



# Beaufort County 2018 Stormwater Management Implementation Guide: An Update to the 2006 Stormwater Management Plan Appendices

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Prepared by:



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## Appendix A

### 2018 Updated Supporting Data for Calibogue Sound Watershed



**Calibogue Land Use and Curve Number Comparison Table**

<b>Basin Name</b>	<b>Basin ID</b>	<b>2003 CN</b>	<b>CN FUTURE</b>	<b>Percent Change in Land Use (2003 to 2016)</b>	<b>2016 CN</b>	<b>Curve Number Change (2016 - 2003)</b>
Haig Point	HP_M1	77.7	79.0	0.0%	77.6	0.0
Moss Creek East	MCE_M1	78.6	78.6	0.0%	77.9	-0.6
Moss Creek East	MCE_M2	71.3	81.7	41.2%	82.8	11.5
Moss Creek West	MCW_M1	78.0	79.0	1.0%	77.2	-0.7
Moss Creek West	MCW_M2	86.0	86.2	16.4%	88.5	2.5
Melrose	MS_M1	78.1	81.8	0.0%	78.2	0.1
Ramshorn Creek	RC_M1	74.0	82.7	0.0%	74.0	0.0
Wildlife Preserve	WP_M1	73.5	73.6	1.3%	73.1	-0.5
Webb Tract	WT_M1	81.3	83.7	0.0%	81.4	0.1



2018 UPDATE - NODE PEAK WATER SURFACE ELEVATIONS (FT, NAVD88)  
CALIBOGUE SOUND WATERSHED

ICPR Node ID	2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
<b>Haig Point Basin</b>				
HP_M-1	10.1	10.1	10.1	10.1
<b>Moss Creek East Basin</b>				
MCE_M-1	6.3	6.9	7.0	7.3
MCE_M-23	6.8	7.4	7.6	7.9
MCE_T1-6	6.4	6.9	7.0	7.3
MCE_T1-8	6.4	6.9	7.0	7.3
<b>Moss Creek West Basin</b>				
MCW_M-1	6.6	7.3	7.5	8.0
MCW_M-14	6.6	7.3	7.5	8.0
MCW_M-22	6.6	7.3	7.6	8.0
MCW_M-48	7.8	7.9	7.9	8.3
<b>Melrose Basin</b>				
MS_M-1	7.2	7.2	7.2	7.2
<b>Wildlife Preserve Basin</b>				
WP_M-1	5.3	5.9	6.1	6.2
WP_M-16	5.3	6.6	6.7	6.8
WP_M-8	5.3	6.6	6.7	6.8



## Calibogue

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### Road overtopping at Masters Drive

Replace existing 3 - 18" RCP with 10 - 36" RCP

	Units	Unit Cost	Quantity	Cost
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Culvert Construction (includes excavation & backfill)	LF	\$400.00	50	\$20,000.00
D. Beveled End Section	EA	\$800.00	20	\$16,000.00
E. Road Fill and Compaction	CY	\$10.00	0	-
F. Remove and Replace Pavement	SY	\$50.00	378	\$18,900.00
G. Curb and Gutter	LF	\$15.00	136	\$2,000.00
	<b>Subtotal</b>			<b>\$64,000.00</b>
Contingency				\$12,800.00
Engineering/Legal/Administrative				\$7,700.00
	<b>Total</b>			<b>\$85,000.00</b>
	<b>Adjusted for January 2018 Dollars</b>			<b>\$129,000.00</b>

### Road overtopping at Bayley Road

Replace existing 3 - 24" RCP with 3 - 4'x4' box culverts

	Units	Unit Cost	Quantity	Cost
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$905.00	50	\$45,300.00
D. Apron	EA	\$2,405.00	2	\$4,800.00
E. Wingwalls & Parapet	EA	\$3,750.00	2	\$7,500.00
F. Road Fill and Compaction	CY	\$10.00	0	-
G. Remove and Replace Pavement	SY	\$50.00	189	\$9,400.00
H. Curb and Gutter	LF	\$15.00	68	\$1,000.00
	<b>Subtotal</b>			<b>\$76,000.00</b>
Contingency				\$15,200.00
Engineering/Legal/Administrative				\$9,100.00
	<b>Total</b>			<b>\$100,000.00</b>
	<b>Adjusted for January 2018 Dollars</b>			<b>\$152,000.00</b>

### Road overtopping at Colleton River Drive

Replace existing 3 - 18" RCP with 1 - 7'x4' box culverts

Raise road 2.9 ft (length of 660 ft)

	Units	Unit Cost	Quantity	Cost
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00



**Calibogue**

C. Box Culvert Construction (includes excavation & backfill)	LF	\$760.00	60	\$45,600.00
D. Apron	EA	\$2,150.00	2	\$4,300.00
E. Wingwalls & Parapet	EA	\$3,240.00	2	\$65,000.00
F. Road Fill and Compaction	CY	\$10.00	3,964	\$39,600.00
G. Remove and Replace Pavement	SY	\$50.00	4,400	\$220,000.00
H. Curb and Gutter	LF	\$15.00	1,320	\$19,800.00
<b>Subtotal</b>				<b>\$402,000.00</b> <i>(corrected from 2006 table)</i>
Contingency				\$80,400.00 <i>(corrected from 2006 table)</i>
Engineering/Legal/Administrative				\$48,240.00 <i>(corrected from 2006 table)</i>
<b>Total</b>				<b>\$531,000.00</b> <i>(corrected from 2006 table)</i>
<b>Adjusted for January 2018 Dollars</b>				<b>\$805,000.00</b>

**Road overtopping at Cooper River Landing Road**  
**Replace existing 1 - 30" RCP with 4 - 8'x5' box culverts**  
**Raise road 2.4 ft (length of 670 ft)**

	Units	Unit Cost	Quantity	Cost
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$2,575.00	30	\$77,300.00
D. Apron	EA	\$6,700.00	2	\$13,400.00
E. Wingwalls & Parapet	EA	\$7,580.00	2	\$15,200.00
F. Road Fill and Compaction	CY	\$10.00	1,513	\$15,100.00
G. Remove and Replace Pavement	SY	\$50.00	2,233	\$111,700.00
H. Curb and Gutter	LF	\$15.00	1,340	\$20,100.00
<b>Subtotal</b>				<b>\$260,000.00</b>
Contingency				\$52,000.00
Engineering/Legal/Administrative				\$31,200.00
<b>Total</b>				<b>\$343,000.00</b>
<b>Adjusted for January 2018 Dollars</b>				<b>\$520,000.00</b>

**Road overtopping at Freeport Road**  
**Replace existing 1 - 18" CMP with 12 - 36" RCP**  
**Raise road 1.4 ft (length of 640 ft)**

	Units	Unit Cost	Quantity	Cost
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Culvert Construction (includes excavation & backfill)	LF	\$480.00	30	\$14,400.00
D. Beveled End Section	EA	\$800.00	24	\$19,200.00
E. Road Fill and Compaction	CY	\$10.00	895	\$9,000.00
F. Remove and Replace Pavement	SY	\$50.00	2,133	\$106,700.00
G. Curb and Gutter	LF	\$15.00	1,280	\$19,200.00
<b>Subtotal</b>				<b>\$176,000.00</b>

**Calibogue**

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Contingency	\$35,200.00
Engineering/Legal/Administrative	\$21,100.00
<i>Total</i>	<b>\$232,000.00</b>
<b>Adjusted for January 2018 Dollars</b>	<b>\$352,000.00</b>



## Appendix B

2018 Updated Supporting Data for  
May River Watershed

**May Land Use and Curve Number Comparison Table**

Basin Name	Basin ID	2003 CN	CN FUTURE	Percent Change in Land Use (2003 to 2016)	2016 CN	Curve Number Change (2016 - 2003)
Alljoy Landing	AL_M1	71.3	79.1	4.18%	71.6	0.3
*Bluffton East	BE_M1	84.5	87.1	25.81%	86.1	1.5
Bluffton East	BE_M2	88.1	89.3	9.21%	89.5	1.5
Buckingham	BH_M1	78.0	78.0	4.44%	76.8	-1.1
Buckingham	BH_M2	82.5	83.1	4.81%	82.2	-0.3
Buck Island	BI_M1	65.2	71.4	0.00%	64.4	-0.8
Buck Island	BI_M2	79.3	79.3	0.00%	80.4	1.1
Buck Island	BI_M3	79.0	81.7	12.60%	80.2	1.3
*Bluffton West	BW_M1	82.0	82.5	3.46%	85.6	3.6
May River	MR_M1	72.2	78.1	10.84%	73.3	1.2
Rose Dhu Creek	RDC_M1	69.2	71.4	52.48%	80.6	11.4
Rose Dhu Creek	RDC_M2	71.3	76.2	60.24%	84.3	12.9
Rose Dhu Creek	RDC_M3	87.3	89.3	26.05%	82.0	-5.3
Rose Dhu Creek	RDC_M4	75.8	80.0	14.58%	77.9	2.1
Rose Dhu Creek	RDC_M5	75.2	83.1	21.2%	83.3	8.1
Rose Dhu Creek	RDC_M6	78.5	84.8	7.53%	79.3	0.7
Rose Dhu Creek	RDC_M7	81.8	86.4	0.00%	79.3	-2.5
Rose Dhu Creek	RDC_M8	86.8	86.8	0.00%	88.1	1.4
Rose Dhu Creek	RDC_T1A	76.8	79.9	47.16%	82.4	5.6
Rose Dhu Creek	RDC_T1B	75.5	83.6	4.28%	74.6	-0.9
Rose Dhu Creek	RDC_T2	71.7	76.6	56.07%	81.9	10.3
**Rose Dhu Creek	RDC_T3A	74.5	83.0	48.37%	84.1	9.6
Rose Dhu Creek	RDC_T3B	75.2	78.4	16.07%	82.0	6.7
Rose Dhu Creek	RDC_T4	72.7	80.6	51.9%	81.7	9.0
Rose Dhu Creek	RDC_T5	77.1	83.4	54.19%	77.0	-0.1
Stoney Creek	SC_M1	68.5	75.4	14.97%	70.7	2.1
Stoney Creek	SC_M2	70.3	76.1	18.61%	73.4	3.2
Stoney Creek	SC_M3	85.5	87.9	46.68%	81.9	-3.6
Stoney Creek	SC_M4	85.9	89.3	43.95%	82.2	-3.7

**May Land Use and Curve Number Comparison Table**

<b>Basin Name</b>	<b>Basin ID</b>	<b>2003 CN</b>	<b>CN FUTURE</b>	<b>Percent Change in Land Use (2003 to 2016)</b>	<b>2016 CN</b>	<b>Curve Number Change (2016 - 2003)</b>
Stoney Creek	SC_M5	78.0	85.3	34.25%	82.5	4.5
Stoney Creek	SC_T1A	81.8	85.5	29.10%	77.8	-4.0
Stoney Creek	SC_T1B	81.0	82.3	4.68%	79.5	-1.5
Stoney Creek	SC_T1C	76.7	81.5	15.93%	78.8	2.1
Stoney Creek	SC_T1D	66.7	71.2	20.37%	71.7	5.0
Stoney Creek	SC_T2	79.1	82.3	24.25%	80.6	1.5
Stoney Creek	SC_T3	87.2	89.5	32.19%	81.2	-6.0
Stoney Creek	SC_T4A	74.8	82.0	11.66%	81.4	6.6
Stoney Creek	SC_T4B	74.9	80.0	14.41%	76.7	1.8
Stoney Creek	SC_T5	82.6	86.8	32.23%	82.7	0.0
Ulmer	U_M1	76.3	80.2	11.50%	76.9	0.6
Ulmer	U_M2	80.8	86.0	28.34%	84.5	3.7

\*Land Use Coverage and Curve Number comparisons are not applicable due to updated basin delineations

\*\*Curve numbers were updated, however, this basin was not in ICPR file, and therefore not updated in ICPR modeling



2018 UPDATE - NODE PEAK WATER SURFACE ELEVATIONS (FT, NAVD88)  
MAY RIVER WATERSHED

ICPR Node ID	2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
<b>Bluffton East Basin</b>				
BE_M-36	19.6	20.1	20.2	20.3
<b>Buckingham Basin</b>				
BH_M-20	7.7	7.9	7.9	8.0
BH_M-76	11.5	12.4	12.6	13.2
<b>Bluffton West Basin</b>				
BW_M-19	16.5	18.4	19.2	20.8
BW_T1-19	22.9	23.6	23.8	24.3
BW_T1-8	18.1	18.7	18.9	19.4
<b>May River Basin</b>				
MR_M-8	6.7	8.6	9.2	10.8
<b>Rose Dhu Creek Basin</b>				
RDC_M-46	12.9	14.2	14.6	15.3
RDC_M-60	13.1	14.4	14.7	15.3
RDC_M-70	14.3	14.7	14.8	15.4
RDC_M-80	14.5	14.8	14.8	15.4
RDC_M-84	14.7	15.5	15.7	16.1
RDC_M-90	14.6	15.0	15.1	15.5
RDC_T3-1	15.1	15.8	16.0	16.5
RDC_T3-14	16.7	17.1	17.3	17.8
RDC_T3-24	20.3	20.4	20.4	20.5
RDC_T3-26	22.4	22.7	22.8	23.1
RDC_T3-51	22.4	22.7	22.8	23.1
RDC_T3-60	22.4	22.8	22.9	23.1
RDC_T8-10	13.0	14.2	14.6	15.3
<b>Stoney Creek Basin</b>				
SC_T1-212	24.6	25.3	25.4	25.9
SC_T4-46	17.2	17.6	17.7	18.1
SC_T6-9	11.5	12.8	12.9	13.1
<b>Ulmer Basin</b>				
U_M-31	14.6	15.4	15.7	16.3

**May River****Road overtopping at Ulmer Road****Replace existing 1 - 36" RCP and 1 - 30" RCP with 1 - 8'x4' box culvert****Raise road 1.8 ft (length of 1,200 ft)**

	Units	Unit Cost	Quantity	Cost
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$710.00	37	\$26,270.00
D. Apron	EA	\$2,100.00	2	\$4,200.00
E. Wingwalls & Parapet	EA	\$4,000.00	2	\$8,000.00
F. Road Fill and Compaction	CY	\$10.00	2,933	\$29,300.00
G. Remove and Replace Pavement	SY	\$50.00	5,333	\$266,700.00
H. Curb and Gutter	LF	\$15.00	2,400	\$36,000.00
	<b>Subtotal</b>			<b>\$378,000.00</b>
	Contingency			\$75,600.00
	Engineering/Legal/Administrative			\$45,400.00
	<b>Total</b>			<b>\$499,000.00</b>
	<b>Adjusted for January 2018 Dollars</b>			<b>\$756,000.00</b>

**Road overtopping at SC 46****Replace existing 2 - 36" CMP with 2 - 5'x5' box culverts**

	Units	Unit Cost	Quantity	Cost
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$770.00	60	\$46,200.00
D. Apron	EA	\$2,500.00	2	\$5,000.00
E. Wingwalls & Parapet	EA	\$4,150.00	2	\$8,300.00
F. Road Fill and Compaction	CY	\$10.00	0	-
G. Remove and Replace Pavement	SY	\$50.00	207	\$10,300.00
H. Curb and Gutter	LF	\$15.00	62	\$900.00
	<b>Subtotal</b>			<b>\$78,000.00</b>
	Contingency			\$15,600.00
	Engineering/Legal/Administrative			\$9,400.00
	<b>Total</b>			<b>\$103,000.00</b>
	<b>Adjusted for January 2018 Dollars</b>			<b>\$156,000.00</b>

**Road overtopping at Palmetto Bluff Road****Add 2 - 48" RCP to existing 2 - 48" and 1 - 36" RCP**

	Units	Unit Cost	Quantity	Cost
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Culvert Construction (includes excavation & backfill)	LF	\$156.00	50	\$7,800.00
D. Beveled End Section	EA	\$2,100.00	4	\$8,400.00
E. Road Fill and Compaction	CY	\$10.00	0	
F. Remove and Replace Pavement	SY	\$50.00	161	\$8,100.00
G. Curb and Gutter	LF	\$15.00	58	\$900.00
	<b>Subtotal</b>			<b>\$33,000.00</b>
	Contingency			\$6,600.00
	Engineering/Legal/Administrative			\$4,000.00
	<b>Total</b>			<b>\$44,000.00</b>
	<b>Adjusted for January 2018 Dollars</b>			<b>\$67,000.00</b>

May River

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**Road overtopping at Alljoy Road**

**Replace existing 1 - 48" CMP with 1 - 5'x5' box colvert**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$475.00	140	\$66,500.00
D. Apron	EA	\$1,650.00	2	\$3,300.00
E. Wingwalls & Parapet	EA	\$3,625.00	2	\$7,300.00
F. Road Fill and Compaction	CY	\$10.00	0	-
G. Remove and Replace Pavement	SY	\$50.00	404	\$20,200.00
H. Curb and Gutter	LF	\$15.00	52	\$800.00
	<b>Subtotal</b>			<b>\$106,000.00</b>
Contingency				\$21,200.00
Engineering/Legal/Administrative				\$12,700.00
	<b>Total</b>			<b>\$140,000.00</b>
	<b>Adjusted for January 2018 Dollars</b>			<b>\$212,000.00</b>

**Road overtopping at Confederate Avenue**

**Replace existing 2 - 36" RCP with 2 - 8'x4' box culverts**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$1,270.00	40	\$50,800.00
D. Apron	EA	\$3,365.00	2	\$6,700.00
E. Wingwalls & Parapet	EA	\$4,900.00	2	\$9,800.00
F. Road Fill and Compaction	CY	\$10.00	0	-
G. Remove and Replace Pavement	SY	\$50.00	204	\$10,200.00
H. Curb and Gutter	LF	\$15.00	92	\$1,400.00
	<b>Subtotal</b>			<b>\$86,400.00</b>
Contingency				\$17,200.00
Engineering/Legal/Administrative				\$10,300.00
	<b>Total</b>			<b>\$114,000.00</b>
	<b>Adjusted for January 2018 Dollars</b>			<b>\$173,000.00</b>

**Road overtopping at May River Road (State HWY 46)**

**Raise Road from elevation 18.1 ft to 18.3 ft NAVD(Length of 500 ft.)**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$7,500.00	1	\$7,500.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$5,000.00	1	\$5,000.00
C. Road Fill and Compaction	CY	\$25.00	250	\$6,250.00
D. Remove and Replace Pavement	SY	\$75.00	1,000	\$75,000.00
E. Curb and Gutter	LF	\$25.00	1,000	\$25,000.00
	<b>Subtotal</b>			<b>\$118,750.00</b>
Contingency (20% of subtotal)				\$23,750.00
Engineering/Legal/Administrative (12% of subtotal)				\$14,250.00
	<b>Total</b>			<b>\$157,000.00</b>

**\$157,000.00 New Project for Update**

## Appendix C

### 2006 Supporting Data for Chechessee River Watershed

**Appendix C**  
**Chechessee River**



TABLE C-1  
CHANNEL INPUT DATA  
CHECHESSEE RIVER WATERSHED

ICPR Channel ID	Length (ft)	Maximum Depth (ft)	Top Width (ft)	Manning's n
<b>Callawassee Road West Basin</b>				
CRW_M-1	395	7.1	235	0.035
CRW_M-2	1,485	7.3	1,255	0.035
CRW_M-3	1,052	6.1	985	0.035
CRW_T1-1	770	8.3	950	0.035
CRW_T1-2	441	8.2	385	0.035
CRW_T1-4	573	7.3	295	0.035
<b>Foot Point Basin</b>				
FP_M-1	1,085	4.0	89	0.070
<b>Spring Island 2 Basin</b>				
No channels in this basin				

TABLE C-2  
WEIR INPUT DATA  
CHECHESSEE RIVER WATERSHED

ICPR Weir ID	Type	Crest Elevation (ft)	Geometry	Span (ft)	Rise (ft)
<b>Callawassee Road West Basin</b>					
CRW_T1-5B	Paved Road	11.5	Irregular	553	N/A
<b>Foot Point Basin</b>					
FP_M-2A	Vertical	4.5	Rectangular	20	31
FP_M-2B	Horizontal	7.1	Circular	36	36
FP_M-3B	Paved Road	8.3	Irregular	632	N/A
<b>Spring Island 2 Basin</b>					
SI2_M-1	Horizontal	4.8	Circular	12	12
SI2_M-2B	Paved Road	7.6	Irregular	274	N/A

TABLE C-3  
TIDE GATES  
CHECHESSEE RIVER WATERSHED

ICPR Conduit ID	Tide Gate Description
<b>Callawassee Road West Basin</b>	
No tide gates in this basin	
<b>Foot Point Basin</b>	
No tide gates in this basin	
<b>Spring Island 2 Basin</b>	
No tide gates in this basin	

TABLE C-4  
 STORAGE AREA INPUT DATA  
 CHECHESSEE RIVER WATERSHED

ICPR Node ID	Minimum Stage (ft)	Minimum Surface Area (ac)	Maximum Stage (ft)	Maximum Surface Area (ac)
<b>Callawassee Road West Basin</b>				
CRW_T1-18	9	0.03	20	91.22
<b>Foot Point Basin</b>				
FP_M-13	3	0.03	24	319.11
<b>Spring Island 2 Basin</b>				
SI2_M-2	5	0.15	24	105.44

TABLE C-5  
 SUBBASIN PEAK FLOW VALUES FOR 2-YEAR DESIGN STORM  
 CHECHESSEE RIVER WATERSHED

ICPR Subbasin ID	Tributary Area (acres)	Peak Flow (cfs)				
		Undeveloped	Existing Uncontrolled	Existing Controlled	Future Uncontrolled	Future Controlled
<b>Callawassee Road West Basin</b>						
CRW_M1	305	61	87	73	107	73
CRW_T1A	129	26	35	30	41	30
CRW_T1B	92	28	37	28	43	28
<b>Foot Point Basin</b>						
FP_M1	347	19	51	19	51	19
<b>Spring Island 2 Basin</b>						
SI2_M1	105	55	76	55	76	55
AVERAGE	347	19	51	19	51	19



TABLE C-6  
 SUBBASIN PEAK FLOW VALUES FOR 10-YEAR DESIGN STORM  
 CHECHESSEE RIVER WATERSHED

ICPR Subbasin ID	Tributary Area (acres)	Peak Flow (cfs)				
		Undeveloped	Existing Uncontrolled	Existing Controlled	Future Uncontrolled	Future Controlled
<b>Callawassee Road West Basin</b>						
CRW_M1	305	149	193	169	226	169
CRW_T1A	129	68	82	74	93	74
CRW_T1B	92	73	88	73	98	73
<b>Foot Point Basin</b>						
FP_M1	347	69	137	69	137	69
<b>Spring Island 2 Basin</b>						
SI2_M1	105	117	148	117	148	117
AVERAGE	347	69	137	69	137	69

TABLE C-7  
SUBBASIN PEAK FLOW VALUES FOR 25-YEAR DESIGN STORM  
CHECHESSEE RIVER WATERSHED

ICPR Subbasin ID	Tributary Area (acres)	Peak Flow (cfs)				
		Undeveloped	Existing Uncontrolled	Existing Controlled	Future Uncontrolled	Future Controlled
<b>Callawassee Road West Basin</b>						
CRW_M1	305	189	239	212	277	212
CRW_T1A	129	87	103	94	115	94
CRW_T1B	92	93	110	93	122	93
<b>Foot Point Basin</b>						
FP_M1	347	94	176	94	176	94
<b>Spring Island 2 Basin</b>						
SI2_M1	105	143	178	143	178	143
AVERAGE	347	94	176	94	176	94

TABLE C-8  
SUBBASIN PEAK FLOW VALUES FOR 100-YEAR DESIGN STORM  
CHECHESSEE RIVER WATERSHED

ICPR Subbasin ID	Tributary Area (acres)	Peak Flow (cfs)				
		Undeveloped	Existing Uncontrolled	Existing Controlled	Future Uncontrolled	Future Controlled
<b>Callawassee Road West Basin</b>						
CRW_M1	305	271	334	334	380	380
CRW_T1A	129	126	148	148	162	162
CRW_T1B	92	135	157	157	172	172
<b>Foot Point Basin</b>						
FP_M1	347	152	260	260	260	260
<b>Spring Island 2 Basin</b>						
SI2_M1	105	196	238	238	238	238
AVERAGE	347	152	260	260	260	260

TABLE C-9  
 NODE PEAK WATER SURFACE ELEVATIONS  
 CHECHESSEE RIVER WATERSHED  
 EXISTING LAND USE

ICPR Node ID	Initial Elevation (ft)	Existing Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
<b>Callawassee Road West Basin</b>					
CRW_M-0	5.6	5.6	5.6	5.6	5.6
CRW_M-4	5.6	5.6	5.6	5.6	5.6
CRW_M-19	5.6	5.8	6.3	6.4	6.7
CRW_M-29	5.6	7.9	8.6	8.8	9.0
CRW_T1-5	5.6	5.7	5.8	5.9	6.1
CRW_T1-10	5.6	5.8	6.6	7.0	7.5
CRW_T1-11	5.6	5.9	6.8	7.2	7.9
CRW_T1-17	5.2	6.8	8.5	8.6	8.9
CRW_T1-18	5.7	11.1	12.0	12.0	12.1
<b>Foot Point Basin</b>					
FP_M-0	5.6	5.6	5.6	5.6	5.6
FP_M-11	5.6	5.6	5.6	5.6	6.0
FP_M-12	5.6	5.7	5.7	5.7	6.0
FP_M-13	5.6	6.7	7.7	8.0	8.6
<b>Spring Island 2 Basin</b>					
SI2_M-0	5.6	5.6	5.6	5.6	5.6
SI2_M-1	5.6	6.4	6.7	6.7	6.8
SI2_M-2	5.7	7.3	8.0	8.1	8.3

TABLE C-10  
 NODE PEAK WATER SURFACE ELEVATIONS  
 CHECHESSEE RIVER WATERSHED  
 FUTURE LAND USE

ICPR Node ID	Initial Elevation (ft)	Future Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
<b>Callawassee Road West Basin</b>					
CRW_M-0	5.6	5.6	5.6	5.6	5.6
CRW_M-4	5.6	5.6	5.6	5.6	5.6
CRW_M-19	5.6	5.8	6.3	6.4	6.8
CRW_M-29	5.6	7.9	8.6	8.8	9.1
CRW_T1-5	5.6	5.7	5.8	5.9	6.2
CRW_T1-10	5.6	5.8	6.6	7.0	7.7
CRW_T1-11	5.6	5.9	6.9	7.2	8.0
CRW_T1-17	5.2	6.8	8.6	8.6	9.1
CRW_T1-18	5.7	11.3	12.0	12.0	12.1
<b>Foot Point Basin</b>					
FP_M-0	5.6	5.6	5.6	5.6	5.6
FP_M-11	5.6	5.6	5.6	5.6	6.0
FP_M-12	5.6	5.7	5.7	5.7	6.0
FP_M-13	5.6	6.7	7.7	8.0	8.6
<b>Spring Island 2 Basin</b>					
SI2_M-0	5.6	5.6	5.6	5.6	5.6
SI2_M-1	5.6	6.4	6.7	6.7	6.8
SI2_M-2	5.7	7.3	8.0	8.1	8.3

TABLE C-11  
 NODE PEAK WATER SURFACE ELEVATIONS  
 CHECHESSEE RIVER WATERSHED  
 FUTURE LAND USE WITH PLAN

ICPR Node ID	Initial Elevation (ft)	Future Improved Land Use		
		Improved Location?	25-Year Design Storm	100-Year Design Storm
<b>Callawassee Road West Basin</b>				
CRW_M-0	5.6		5.6	5.6
CRW_M-4	5.6		5.6	5.6
CRW_M-19	5.6		6.4	6.8
CRW_M-29	5.6		8.8	9.1
CRW_T1-5	5.6		5.9	6.1
CRW_T1-10	5.6		7.0	7.5
CRW_T1-11	5.6		7.2	7.8
CRW_T1-17	5.2		8.9	8.9
CRW_T1-18	5.7	Yes	10.5	11.7
<b>Foot Point Basin</b>				
FP_M-0	5.6		5.6	5.6
FP_M-11	5.6		5.6	6.0
FP_M-12	5.6		5.7	6.0
FP_M-13	5.6		8.0	8.6
<b>Spring Island 2 Basin</b>				
SI2_M-0	5.6		5.6	5.6
SI2_M-1	5.6		6.5	6.7
SI2_M-2	5.7	Yes	7.5	8.0



TABLE C-12  
 CONDUIT PEAK FLOWS  
 CHECHESSEE RIVER WATERSHED  
 EXISTING LAND USE

ICPR Conduit ID	Type	Existing Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
<b>Callawassee Road West Basin</b>					
CRW_M-1	Channel	251	360	374	391
CRW_M-2	Channel	73	169	212	329
CRW_M-3	Channel	73	169	212	332
CRW_T1-1	Channel	49	142	185	283
CRW_T1-2	Channel	49	142	185	284
CRW_T1-3A	Pipe	0	0	4	15
CRW_T1-3B	Pipe	0	18	32	58
CRW_T1-3C	Pipe	49	113	130	177
CRW_T1-3D	Pipe	0	11	20	35
CRW_T1-4	Channel	19	68	91	154
CRW_T1-5A	Pipe	19	20	20	20
CRW_T1-5B	Weir	0	52	75	127
<b>Foot Point Basin</b>					
FP_M-1	Channel	1	1	2	14
FP_M-2A	Weir	1	1	2	2
FP_M-2B	Weir	0	0	0	0
FP_M-3A	Pipe	1	1	2	2
FP_M-3B	Weir	0	0	0	13

TABLE C-13  
 CONDUIT PEAK FLOWS  
 CHECHESSEE RIVER WATERSHED  
 FUTURE LAND USE

ICPR Conduit ID	Type	Future Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
<b>Callawassee Road West Basin</b>					
CRW_M-1	Channel	251	361	373	374
CRW_M-2	Channel	73	169	212	374
CRW_M-3	Channel	73	169	212	378
CRW_T1-1	Channel	49	147	187	311
CRW_T1-2	Channel	49	147	187	312
CRW_T1-3A	Pipe	0	0	4	17
CRW_T1-3B	Pipe	0	19	32	66
CRW_T1-3C	Pipe	49	115	130	191
CRW_T1-3D	Pipe	0	12	20	39
CRW_T1-4	Channel	19	73	93	176
CRW_T1-5A	Pipe	19	20	20	20
CRW_T1-5B	Weir	0	56	76	142
<b>Foot Point Basin</b>					
FP_M-1	Channel	1	1	2	14
FP_M-2A	Weir	1	1	2	2
FP_M-2B	Weir	0	0	0	0
FP_M-3A	Pipe	1	1	2	2
FP_M-3B	Weir	0	0	0	13

TABLE C-14  
 CONDUIT PEAK FLOWS  
 CHECHESSEE RIVER WATERSHED  
 FUTURE LAND USE WITH PLAN

ICPR Conduit ID	Type	Future Improved Land Use		
		Improved Conduit?	25-Year Design Storm	100-Year Design Storm
<b>Callawasee Road West Basin</b>				
CRW_M-1	Channel		211	374
CRW_M-2	Channel		211	374
CRW_M-3	Channel		211	378
CRW_T1-1	Channel		144	241
CRW_T1-2	Channel		144	241
CRW_T1-3A	Pipe		0	11
CRW_T1-3B	Pipe		18	48
CRW_T1-3C	Pipe		114	152
CRW_T1-3D	Pipe		11	30
CRW_T1-4	Channel		144	241
CRW_T1-5A	Pipe	Yes	144	193
CRW_T1-5B	Weir		0	48
<b>Foot Point Basin</b>				
FP_M-1	Channel		2	14
FP_M-2A	Weir		2	2
FP_M-2B	Weir		0	0
FP_M-3A	Pipe		2	2
FP_M-3B	Weir		0	13

**Road overtopping at Callawassee Drive**  
**Replace existing 1 - 18" RCP with 1 - 48" RCP**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$ 5,000.00	1	\$ 5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$ 2,500.00	1	\$ 2,500.00
C. Culvert Construction (includes excavation & backfill)	LF	\$ 78.00	45	\$ 3,500.00
D. Beveled End Section	EA	\$ 2,100.00	2	\$ 4,200.00
F. Road Fill and Compaction	CY	\$ 10.00	0	\$ -
G. Remove and Replace Pavement	SY	\$ 50.00	120	\$ 6,000.00
H. Curb and Gutter	LF	\$ 15.00	48	\$ 700.00
	<b>Subtotal</b>			<b>\$ 22,000.00</b>
	Contingency (20% of subtotal)			\$ 4,400.00
	Engineering/Legal/Administrative (12% of subtotal)			\$ 2,600.00
	<b>Total</b>			<b>\$ 29,000.00</b>

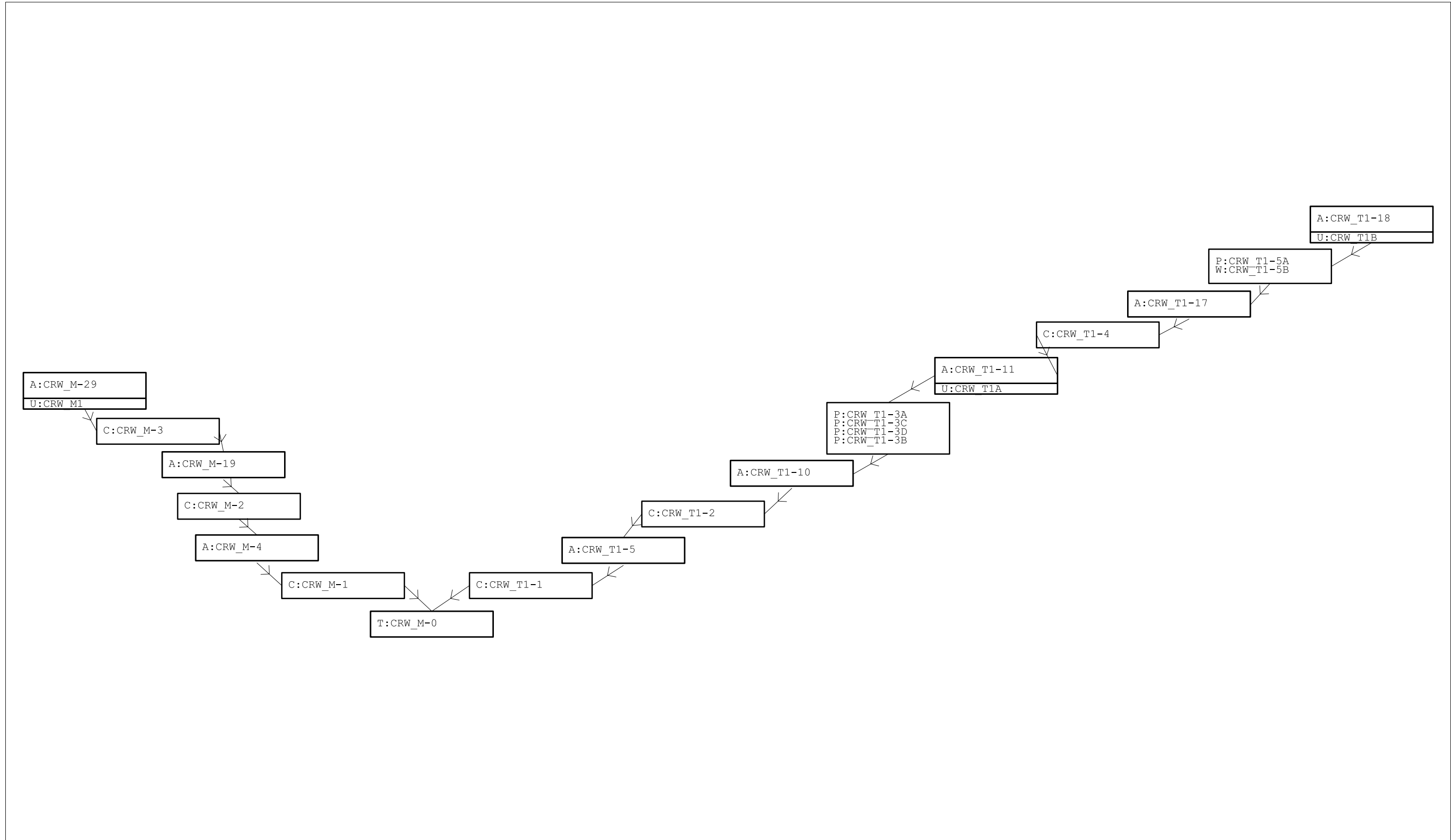
**Road overtopping at Shrimp Pond Road**

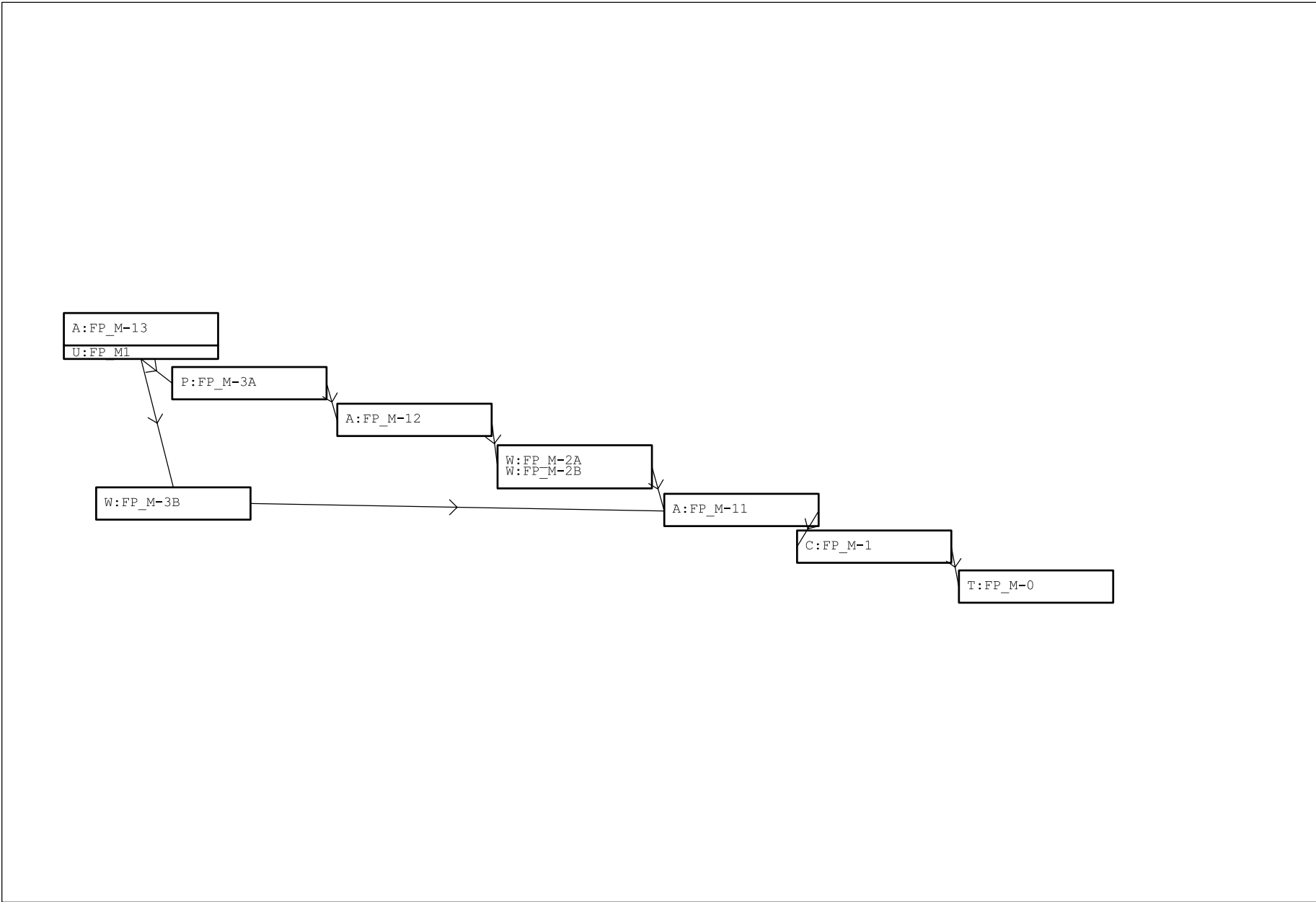
**Replace existing 1 - 15" RCP with 4 - 36" RCP**

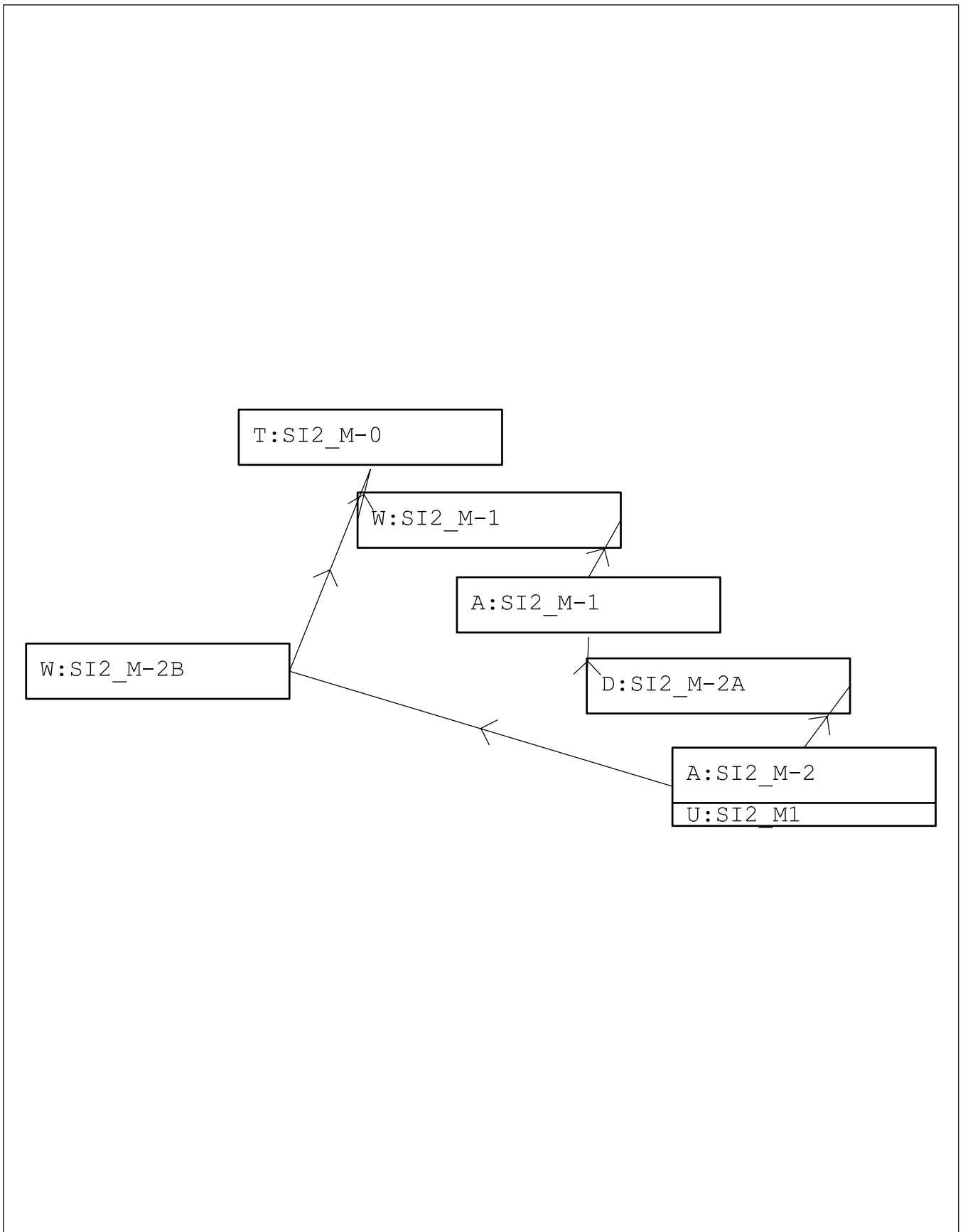
**Replace existing riser structure with rectangular riser with 1 - 24"x72" horizontal weir**

**Replace existing bubbler with rectangular bubbler with 1 - 24"x72" horizontal weir**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$ 5,000.00	1	\$ 5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$ 2,500.00	1	\$ 2,500.00
C. Culvert Construction (includes excavation & backfill)	LF	\$ 160.00	45	\$ 7,200.00
D. Beveled End Section	EA	\$ 800.00	8	\$ 6,400.00
E. Road Fill and Compaction	CY	\$ 10.00	0	\$ -
F. Remove and Replace Pavement	SY	\$ 50.00	190	\$ 9,500.00
G. Curb and Gutter	LF	\$ 15.00	76	\$ 1,100.00
H. Riser Structure	EA	\$ 2,000.00	2	\$ 4,000.00
	<b>Subtotal</b>			<b>\$ 36,000.00</b>
Contingency (20% of subtotal)				\$ 7,200.00
Engineering/Legal/Administrative (12% of subtotal)				\$ 4,300.00
	<b>Total</b>			<b>\$ 48,000.00</b>









## Appendix D

### 2018 Updated Supporting Data for Colleton River Watershed

**Colleton Land Use and Curve Number Comparison Table**

<b>Basin Name</b>	<b>Basin ID</b>	<b>2003 CN</b>	<b>CN FUTURE</b>	<b>Percent Change in Land Use (2003 to 2016)</b>	<b>2016 CN</b>	<b>Curve Number Change (2016 - 2003)</b>
Berkeley Creek	BC_M1	85.1	85.1	2.8%	84.1	-0.9
Berkeley Creek	BC_M2	83.9	84.3	23.0%	85.9	2.0
Berkeley Creek	BC_M3	86.7	88.6	7.5%	84.6	-2.1
Berkeley Creek	BC_T1A	89.5	89.5	4.9%	85.4	-4.0
Berkeley Creek	BC_T1B	86.1	90.5	2.7%	82.6	-3.5
Belfair East	BRE_M1	60.7	60.7	1.7%	64.5	3.8
Belfair East	BRE_M2	77.8	77.8	8.3%	80.8	2.9
Burnt Church	BTC_M1	82.7	83.0	14.0%	82.3	-0.5
Burnt Church	BTC_M2	91.8	93.6	25.1%	92.4	0.6
*Burnt Church	BTC_M3	85.9	90.7	20.2%	87.7	1.8
Callawassee Island	CI_M1	74.2	74.2	0.4%	76.0	1.8
Camp St. Marys	CSM_M1	72.0	74.7	6.4%	71.3	-0.7
Camp St. Marys	CSM_M2	80.8	81.7	0.0%	88.5	7.7
Camp St. Marys	CSM_T1	63.0	63.0	0.3%	81.0	17.9
Kitty's Crossing	KC_M1	71.5	71.5	6.7%	78.9	7.4
Kitty's Crossing	KC_M2	87.7	91.0	18.6%	89.5	1.8
*Kitty's Crossing	KC_M3	86.3	87.3	10.2%	87.7	1.4
*Kitty's Crossing	KC_M4	84.1	87.0	17.4%	88.3	4.2
Okatie Center	OC_M1	90.6	91.1	4.9%	89.2	-1.4
Okatie West	OW_M1	77.2	86.1	16.5%	80.4	3.2
Okatie West	OW_M2	71.8	79.4	14.3%	77.0	5.3
Okatie West	OW_M3	84.0	86.4	27.1%	88.3	4.3
Okatie West	OW_M4	81.2	86.3	34.6%	85.8	4.6
Okatie West	OW_T1A	73.6	78.5	41.8%	82.8	9.3
Okatie West	OW_T1B	73.0	83.6	27.0%	81.0	8.0
Okatie West	OW_T1C	79.1	86.2	24.1%	86.1	7.0
Okatie West	OW_T2	84.1	86.6	36.9%	88.5	4.4
Okatie West	OW_T3A	81.5	87.1	17.4%	83.5	2.0
Okatie West	OW_T3B	79.4	82.4	6.3%	79.3	-0.1
Pinkney Colony South	PCS_M1	81.3	81.3	6.1%	76.8	-4.5
Pinkney Colony South	PCS_M2	86.4	90.0	4.0%	86.0	-0.4
Pinkney Colony South	PCS_M3	83.7	85.3	4.2%	83.1	-0.6
Pepper Hall	PH_M1	79.3	81.5	4.3%	81.3	2.1
Pepper Hall	PH_M2	84.0	88.4	10.6%	84.0	0.0
Rose Hill East	RHE_M1	76.8	76.8	5.3%	74.0	-2.8
Rose Hill East	RHE_M2	90.4	90.4	4.4%	90.0	-0.4

**Colleton Land Use and Curve Number Comparison Table**

<b>Basin Name</b>	<b>Basin ID</b>	<b>2003 CN</b>	<b>CN FUTURE</b>	<b>Percent Change in Land Use (2003 to 2016)</b>	<b>2016 CN</b>	<b>Curve Number Change (2016 - 2003)</b>
Rose Hill East	RHE_M3	84.3	84.5	10.3%	83.2	-1.1
Simmonsville/Hidden Lakes Canal	SHLC_M1	74.9	74.9	5.5%	76.5	1.6
Simmonsville/Hidden Lakes Canal	SHLC_M2	80.2	80.2	15.5%	81.6	1.4
Simmonsville/Hidden Lakes Canal	SHLC_M3	88.4	89.0	13.6%	88.4	0.0
Simmonsville/Hidden Lakes Canal	SHLC_M4	89.2	90.0	11.5%	85.8	-3.4
Simmonsville/Hidden Lakes Canal	SHLC_M5	75.2	78.3	14.0%	75.2	0.0
Simmonsville/Hidden Lakes Canal	SHLC_T1	71.7	71.7	8.0%	75.3	3.6
Simmonsville/Hidden Lakes Canal	SHLC_T2	81.3	84.2	11.7%	80.7	-0.6
Spring Island 1	SI1_M1	76.5	76.5	34.3%	75.6	-1.0
Spring Island 3	SI3_M1	79.7	79.8	11.9%	79.5	-0.2
Spring Island 4	SI4_M1	77.3	77.3	0.0%	76.6	-0.6
Spring Island 5	SI5_M1	62.4	62.4	0.0%	58.1	-4.3
Sawmill Creek	SMC_M1	82.2	82.9	2.8%	82.6	0.4
Sawmill Creek	SMC_M2	89.3	90.9	22.2%	91.8	2.5
Sawmill Creek	SMC_M3	85.9	87.0	5.1%	85.4	-0.5
Sawmill Creek	SMC_T1	87.9	89.2	14.7%	89.7	1.9
Sawmill Creek East	SMCE_M1	73.9	74.8	0.8%	73.5	-0.4
Sawmill Creek West	SMCW_M1	65.7	72.2	0.0%	66.3	0.7
Wadell	W_M1	67.8	67.9	8.4%	69.3	1.4
Wadell	W_M2	73.5	73.5	0.0%	73.3	-0.2

\*Land Use Coverage and Curve Number comparisons are not applicable due to updated basin delineations

2018 UPDATE - NODE PEAK WATER SURFACE ELEVATIONS (FT, NAVD88)  
COLLETON RIVER WATERSHED

ICPR Node ID	2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
<b>Berkeley Creek Basin</b>				
BC_T1-62	19.3	19.9	20.1	20.7
<b>Belfair East Basin</b>				
BRE_M-32	10.5	10.5	10.5	10.5
<b>Burnt Church Basin</b>				
BTC_M-49	13.1	13.4	13.4	13.4
BTC_M-69	15.1	15.1	15.1	15.1
BTC_M-72	19.2	19.5	19.5	19.5
BTC_T1-6	21.0	21.6	21.7	21.8
BTC_T2-15	10.9	11.3	11.3	11.4
<b>Callawassee Island Basin</b>				
CI_M-5	7.1	7.7	7.8	7.9
<b>Camp St. Mary's Basin</b>				
CSM_M-27	17.9	18.5	18.6	18.8
CSM_T1-20	16.5	17.9	18.4	19.5
<b>Kitty's Crossing Basin</b>				
KC_M-121	20.2	20.6	20.6	20.7
<b>Okatie Center Basin</b>				
OC_M-32	14.2	15.0	15.2	15.7
<b>Okatie West Basin</b>				
OW_T1-139	16.8	18.1	18.5	18.9
OW_T3-36	20.4	21.0	21.0	21.2
<b>Pinkney Colony South Basin</b>				
PCS_M-51	19.6	20.3	20.5	20.8
<b>Pepper Hall Basin</b>				
PH_M-1	6.2	7.3	7.3	7.3
PH_M-23	14.2	14.3	14.3	14.3
<b>Rose Hill East Basin</b>				
RHE_M-48	17.2	17.5	17.5	17.7
RHE_M-69	18.7	19.6	19.8	20.0
<b>Simmonsville/ Hidden Lakes Canal Basin</b>				
SHLC_M-1	6.6	6.7	6.7	6.7
SHLC_M-172	19.8	20.8	21.0	21.0
SHLC_M-18	9.6	10.3	10.5	10.5
SHLC_T1-11	9.6	10.4	10.5	10.6
SHLC_T2-23	24.6	25.3	25.5	26.0
<b>Spring Island 1 Basin</b>				
SI1_M-1	8.9	8.9	8.9	8.9
<b>Spring Island 3 Basin</b>				

2018 UPDATE - NODE PEAK WATER SURFACE ELEVATIONS (FT, NAVD88)  
COLLETON RIVER WATERSHED

ICPR Node ID	2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
SI3_M-1	6.7	8.2	8.4	8.5
SI3_M-16	15.5	16.4	16.5	16.5
Spring Island 4 Basin				
SI4_M-1	11.9	13.4	13.9	14.8
Spring Island 5 Basin				
SI5_M-1	7.3	7.4	7.4	7.4
Sawmill Creek Basin				
SMC_M-100	13.0	13.6	13.8	14.2
Wadell Basin				
W_M-24	15.7	16.5	16.6	16.8
W_M-47	16.9	17.4	17.5	17.7

**Colleton****Road overtopping at Meridian Point Drive****Excavate channel section under bridge**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Excavation	CY	\$10.00	30	\$300.00
	<b>Subtotal</b>			<b>\$8,000.00</b>
Contingency (20% of subtotal)				\$1,600.00
Engineering/Legal/Administrative (12% of subtotal)				\$1,000.00
	<b>Total</b>			<b>\$11,000.00</b>
<b>Adjusted for January 2018 Dollars</b>				<b>\$17,000.00</b>

**Road overtopping at Fording Island Road (US Hwy 278)****Replace existing 1 - 24" RCP with 2 - 6'x4' box culverts**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$1,000.00	130	\$130,000.00
D. Apron	EA	\$1,500.00	2	\$3,000.00
E. Wingwalls & Parapet	EA	\$3,100.00	2	\$6,200.00
F. Road Fill and Compaction	CY	\$10.00	0	-
G. Remove and Replace Pavement	SY	\$50.00	220	\$11,000.00
H. Curb and Gutter	LF	\$15.00	132	\$2,000.00
	<b>Subtotal</b>			<b>\$160,000.00</b>
Contingency (20% of subtotal)				\$32,000.00
Engineering/Legal/Administrative (12% of subtotal)				\$19,200.00
	<b>Total</b>			<b>\$211,000.00</b>
<b>Adjusted for January 2018 Dollars</b>				<b>\$320,000.00</b>

**Road overtopping at Fording Island Road (US Hwy 278)****Add 1 - 48" RCP to existing 1 - 30" RCP**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00

**Colleton**

C. Culvert Construction (includes excavation & backfill)	LF	\$78.00	175	\$13,700.00
D. Beveled End Section	EA	\$2,100.00	2	\$4,200.00
E. Road Fill and Compaction	CY	\$10.00	0	-
F. Remove and Replace Pavement	SY	\$50.00	160	\$8,000.00
G. Curb and Gutter	LF	\$15.00	96	\$1,400.00
<b>Subtotal</b>				<b>\$35,000.00</b>
Contingency (20% of subtotal)				\$7,000.00
Engineering/Legal/Administrative (12% of subtotal)				\$4,200.00
<b>Total</b>				<b>\$46,000.00</b>
<b>Adjusted for January 2018 Dollars</b>				<b>\$70,000.00</b>

**Road overtopping at Winding Oak Drive****Add 1 - 36" RCP to existing 2 - 15" RCP**

	Units	Unit Cost	Quantity	Cost
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Culvert Construction (includes excavation & backfill)	LF	\$40.00	35	\$1,400.00
D. Beveled End Section	EA	\$800.00	2	\$1,600.00
E. Road Fill and Compaction	CY	\$10.00	0	-
F. Remove and Replace Pavement	SY	\$50.00	89	\$4,500.00
G. Curb and Gutter	LF	\$15.00	46	\$700.00
<b>Subtotal</b>				<b>\$16,000.00</b>
Contingency (20% of subtotal)				\$3,200.00
Engineering/Legal/Administrative (12% of subtotal)				\$1,900.00
<b>Total</b>				<b>\$21,000.00</b>
<b>Adjusted for January 2018 Dollars</b>				<b>\$32,000.00</b>

**Road overtopping at Camp St. Mary Road****Replace existing 1 - 30" RCP and 1 - 24" RCP with 2 - 5'x4' box culverts**

	Units	Unit Cost	Quantity	Cost
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$685.00	40	\$27,400.00
D. Apron	EA	\$2,060.00	2	\$4,100.00
E. Wingwalls & Parapet	EA	\$3,480.00	2	\$7,000.00

**Colleton**

F. Road Fill and Compaction	CY	\$10.00	0	-
G. Remove and Replace Pavement	SY	\$50.00	138	\$6,900.00
H. Curb and Gutter	LF	\$15.00	62	\$900.00
<b>Subtotal</b>				<b>\$53,800.00</b>
Contingency (20% of subtotal)				\$10,800.00
Engineering/Legal/Administrative (12% of subtotal)				\$6,500.00
<b>Total</b>				<b>\$71,000.00</b>
<b>Adjusted for January 2018 Dollars</b>				<b>\$108,000.00</b>

**Road overtopping at Fording Island Road (US Hwy 278)****Replace existing 2 - 42" RCP with 2 - 7'x4' box culverts**

	Units	Unit Cost	Quantity	Cost
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$1,075.00	200	\$215,000.00
D. Apron	EA	\$3,060.00	2	\$6,100.00
E. Wingwalls & Parapet	EA	\$4,625.00	2	\$9,300.00
F. Road Fill and Compaction	CY	\$10.00	0	-
G. Remove and Replace Pavement	SY	\$50.00	778	\$38,900.00
H. Curb and Gutter	LF	\$15.00	70	\$1,100.00
<b>Subtotal</b>				<b>\$278,000.00</b>
Contingency (20% of subtotal)				\$55,600.00
Engineering/Legal/Administrative (12% of subtotal)				\$33,400.00
<b>Total</b>				<b>\$367,000.00</b>
<b>Adjusted for January 2018 Dollars</b>				<b>\$556,000.00</b>

**Road overtopping at Bull Road****Add 9 - 36" RCP to existing 2 - 36" RCP**

	Units	Unit Cost	Quantity	Cost
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Culvert Construction (includes excavation & backfill)	LF	\$360.00	45	\$16,200.00
D. Beveled End Section	EA	\$800.00	18	\$14,400.00
E. Road Fill and Compaction	CY	\$10.00	0	-
F. Remove and Replace Pavement	SY	\$50.00	275	\$13,800.00
G. Curb and Gutter	LF	\$15.00	110	\$1,700.00



**Colleton**

<b>Subtotal</b>	<b>\$54,000.00</b>
Contingency (20% of subtotal)	\$10,800.00
Engineering/Legal/Administrative (12% of subtotal)	\$6,500.00
<b>Total</b>	<b>\$71,000.00</b>
<b>Adjusted for January 2018 Dollars</b>	<b>\$108,000.00</b>

**Road overtopping at Okatie Highway (State Hwy 170)****Replace existing 1 - 24" RCP with 4 - 6'x4' box culverts**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$1,750.00	50	\$87,500.00
D. Apron	EA	\$5,250.00	2	\$10,500.00
E. Wingwalls & Parapet	EA	\$10,850.00	2	\$21,700.00
F. Road Fill and Compaction	CY	\$10.00	0	-
G. Remove and Replace Pavement	SY	\$50.00	222	\$11,100.00
H. Curb and Gutter	LF	\$15.00	80	\$1,200.00
<b>Subtotal</b>				<b>\$140,000.00</b>
Contingency (20% of subtotal)				\$28,000.00
Engineering/Legal/Administrative (12% of subtotal)				\$16,800.00
<b>Total</b>				<b>\$185,000.00</b>
<b>Adjusted for January 2018 Dollars</b>				<b>\$280,000.00</b>

**Road overtopping at Pinkney Colony Road****Replace existing 2 - 24" RCP with 8 - 36" RCP**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Culvert Construction (includes excavation & backfill)	LF	\$320.00	30	\$9,600.00
D. Beveled End Section	EA	\$800.00	16	\$12,800.00
E. Road Fill and Compaction	CY	\$10.00	0	-
F. Remove and Replace Pavement	SY	\$50.00	193	\$9,700.00
G. Curb and Gutter	LF	\$15.00	116	\$1,700.00
<b>Subtotal</b>				<b>\$41,000.00</b>

**Colleton**

Contingency (20% of subtotal)	\$8,200.00
Engineering/Legal/Administrative (12% of subtotal)	\$4,900.00

**Total** **\$54,000.00**

**Adjusted for January 2018 Dollars** **\$82,000.00**

**Road overtopping at Fording Island Road (US Hwy 278)****Add 1 - 4'x4' box culvert to existing 2 - 30" RCP**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$375.00	220	\$82,500.00
D. Apron	EA	\$1,250.00	2	\$2,500.00
E. Wingwalls & Parapet	EA	\$2,875.00	2	\$5,800.00
F. Road Fill and Compaction	CY	\$10.00	0	-
G. Remove and Replace Pavement	SY	\$50.00	660	\$33,000.00
H. Curb and Gutter	LF	\$15.00	54	\$800.00

**Subtotal** **\$132,000.00**

Contingency (20% of subtotal) \$26,400.00

Engineering/Legal/Administrative (12% of subtotal) \$15,800.00

**Total** **\$174,000.00**

**Adjusted for January 2018 Dollars** **\$264,000.00**

**Road overtopping at Graves Road****Replace existing 1 - 18" CMP with 4 - 36" RCP**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Culvert Construction (includes excavation & backfill)	LF	\$160.00	30	\$4,800.00
D. Beveled End Section	EA	\$800.00	8	\$6,400.00
E. Road Fill and Compaction	CY	\$10.00	0	-
F. Remove and Replace Pavement	SY	\$50.00	127	\$6,300.00
G. Curb and Gutter	LF	\$15.00	76	\$1,100.00

**Subtotal** **\$26,000.00**

Contingency (20% of subtotal) \$5,200.00

Engineering/Legal/Administrative (12% of subtotal) \$3,100.00

**Colleton**

<b>Total</b>	<b>\$34,000.00</b>
<b>Adjusted for January 2018 Dollars</b>	<b>\$52,000.00</b>

**Road overtopping at Clubhouse Drive****Replace existing 4 - 36" RCP with 4 - 48" RCP**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Culvert Construction (includes excavation & backfill)	LF	\$312.00	60	\$18,700.00
D. Beveled End Section	EA	\$2,100.00	8	\$16,800.00
E. Road Fill and Compaction	CY	\$10.00	0	-
F. Remove and Replace Pavement	SY	\$50.00	130	\$6,500.00
G. Curb and Gutter	LF	\$15.00	78	\$1,200.00
<b>Subtotal</b>				<b>\$51,000.00</b>
Contingency (20% of subtotal)				\$10,200.00
Engineering/Legal/Administrative (12% of subtotal)				\$6,100.00

<b>Total</b>	<b>\$67,000.00</b>
<b>Adjusted for January 2018 Dollars</b>	<b>\$102,000.00</b>

**Road overtopping at Belfair Oaks Boulevard****Replace existing 3 - 42" RCP with 3 - 8'x4' box culverts****Add one more weir for a total of three**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$1,825.00	35	\$63,900.00
D. Apron	EA	\$4,630.00	2	\$9,300.00
E. Wingwalls & Parapet	EA	\$5,800.00	2	\$11,600.00
F. Road Fill and Compaction	CY	\$10.00	0	-
G. Remove and Replace Pavement	SY	\$50.00	179	\$8,900.00
H. Curb and Gutter	LF	\$15.00	92	\$1,400.00
I. Riser Structure	EA	\$2,000.00	1	\$2,000.00
<b>Subtotal</b>				<b>\$105,000.00</b>
Contingency (20% of subtotal)				\$21,000.00
Engineering/Legal/Administrative (12% of subtotal)				\$12,600.00

<b>Total</b>	<b>\$139,000.00</b>
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**Colleton****Adjusted for January 2018 Dollars****\$211,000.00****Road overtopping at Tower Road****Replace existing 1 - 48" CMP with 1 - 8'x5' box culvert**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$750.00	40	\$30,000.00
D. Apron	EA	\$2,450.00	2	\$4,900.00
E. Wingwalls & Parapet	EA	\$4,725.00	2	\$9,500.00
F. Road Fill and Compaction	CY	\$10.00	0	-
G. Remove and Replace Pavement	SY	\$50.00	124	\$6,200.00
H. Curb and Gutter	LF	\$15.00	56	\$800.00
				<b><i>Subtotal</i></b>
				<b><i>\$59,000.00</i></b>

Contingency (20% of subtotal)

\$11,800.00

Engineering/Legal/Administrative (12% of subtotal)

\$7,100.00

***Total******\$78,000.00*****Adjusted for January 2018 Dollars****\$118,000.00****Road overtopping at Hyon Road****Replace existing 1 - 48" CMP with 1 - 8'x5' box culverts**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$750.00	30	\$22,500.00
D. Apron	EA	\$2,450.00	2	\$4,900.00
E. Wingwalls & Parapet	EA	\$4,725.00	2	\$9,500.00
F. Road Fill and Compaction	CY	\$10.00	0	-
G. Remove and Replace Pavement	SY	\$50.00	93	\$4,700.00
H. Curb and Gutter	LF	\$15.00	56	\$8,000.00
				<b><i>Subtotal</i></b>
				<b><i>\$50,000.00</i></b>

Contingency (20% of subtotal)

\$10,000.00

Engineering/Legal/Administrative (12% of subtotal)

\$6,000.00

***Total******\$66,000.00*****Adjusted for January 2018 Dollars****\$100,000.00**

**Colleton**

**Road overtopping at Spring Island Drive**

**Add 1 - 36" RCP to existing 2 - 36" RCP**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Culvert Construction (includes excavation & backfill)	LF	\$40.00	50	\$2,000.00
D. Beveled End Section	EA	\$800.00	2	\$1,600.00
E. Road Fill and Compaction	CY	\$10.00	0	-
F. Remove and Replace Pavement	SY	\$50.00	128	\$6,400.00
G. Curb and Gutter	LF	\$15.00	46	\$700.00
	<b>Subtotal</b>			<b>\$18,000.00</b>
	Contingency (20% of subtotal)			\$3,600.00
	Engineering/Legal/Administrative (12% of subtotal)			\$2,200.00
	<b>Total</b>			<b>\$24,000.00</b>
	<b>Adjusted for January 2018 Dollars</b>			<b>\$36,000.00</b>

**Road overtopping at Fording Island Road (US Hwy 278)**

**Replace existing 3 - 30" RCP with 2 - 9'x5' box culverts**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$1,230.00	220	\$270,600.00
D. Apron	EA	\$4,130.00	2	\$8,300.00
E. Wingwalls & Parapet	EA	\$5,800.00	2	\$11,600.00
F. Road Fill and Compaction	CY	\$10.00	0	-
G. Remove and Replace Pavement	SY	\$50.00	260	\$13,000.00
H. Curb and Gutter	LF	\$15.00	156	\$2,300.00
	<b>Subtotal</b>			<b>\$313,000.00</b>
	Contingency (20% of subtotal)			\$62,600.00
	Engineering/Legal/Administrative (12% of subtotal)			\$37,600.00
	<b>Total</b>			<b>\$413,000.00</b>
	<b>Adjusted for January 2018 Dollars</b>			<b>\$626,000.00</b>

**Road overtopping at Mulrain Way**

**Replace existing 1 - 36" RCP with 3 - 7'x4' box culverts**

**Colleton**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$1,620.00	100	\$162,000.00
D. Apron	EA	\$4,590.00	2	\$9,200.00
E. Wingwalls & Parapet	EA	\$6,940.00	2	\$13,900.00
F. Road Fill and Compaction	CY	\$10.00	0	-
G. Remove and Replace Pavement	SY	\$50.00	191	\$9,600.00
H. Curb and Gutter	LF	\$15.00	86	\$1,300.00
<b>Subtotal</b>				<b>\$204,000.00</b>
Contingency (20% of subtotal)				\$40,800.00
Engineering/Legal/Administrative (12% of subtotal)				\$24,500.00
<b>Total</b>				<b>\$269,000.00</b>
<b>Adjusted for January 2018 Dollars</b>				<b>\$408,000.00</b>

**Road overtopping at Sawmill Creek Road  
Replace existing 1 - 18" RCP with 3 - 36" RCP**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Culvert Construction (includes excavation & backfill)	LF	\$120.00	50	\$6,000.00
D. Beveled End Section	EA	\$800.00	6	\$4,800.00
E. Road Fill and Compaction	CY	\$10.00	0	-
F. Remove and Replace Pavement	SY	\$50.00	156	\$7,800.00
G. Curb and Gutter	LF	\$15.00	56	\$800.00
<b>Subtotal</b>				<b>\$27,000.00</b>
Contingency (20% of subtotal)				\$5,400.00
Engineering/Legal/Administrative (12% of subtotal)				\$3,200.00
<b>Total</b>				<b>\$36,000.00</b>
<b>Adjusted for January 2018 Dollars</b>				<b>\$55,000.00</b>

## Appendix E

2018 Updated Supporting Data for  
New River Watershed

**New Land Use and Curve Number Comparison Table**

<b>Basin Name</b>	<b>Basin ID</b>	<b>2003 CN</b>	<b>CN FUTURE</b>	<b>Percent Change in Land Use (2003 to 2016)</b>	<b>2016 CN</b>	<b>Curve Number Change (2016 - 2003)</b>
Bloody Point	BP_M1	78.7	78.8	3.64%	77.4	-1.3
*Bluffton Trail	BT_M1	81.7	85.6	23.15%	87.1	5.4
Bluffton Trail	BT_M2	74.0	79.0	21.99%	76.9	2.8
Daufuskie South	DS_M1	77.1	81.2	1.23%	76.5	-0.6
Daufuskie South	DS_M2	79.5	84.1	5.13%	76.9	-2.6
Eigelberger	E_M1	79.2	81.8	0.61%	76.7	-2.5
Jones Tract North	JTN_M1	85.8	90.1	10.10%	86.2	0.4
Jones Tract North	JTN_M2	77.5	85.1	66.45%	87.5	10.0
Jones Tract North	JTN_T2	84.6	89.5	25.53%	89.8	5.2
Mungen	M_M1	65.0	68.9	7.02%	64.0	-1.1
Mungen	M_M2	66.9	71.7	6.20%	65.8	-1.2
New River East	NRE_M1	81.0	86.2	61.41%	88.9	7.9
New River East	NRE_M2	91.4	91.4	0.40%	89.9	-1.5
Oak Ridge	OR_M1	69.5	73.3	5.53%	66.0	-3.5
Oak Ridge	OR_M2	77.7	82.7	0.38%	76.3	-1.4
Pritchardville West	PW_M1	69.3	76.0	59.03%	82.6	13.4
Pritchardville West	PW_M2	72.2	78.2	25.67%	79.8	7.6
Pritchardville West	PW_M3	70.2	76.8	76.66%	86.8	16.5
SC 170 / SC146	SC170_M1	81.1	87.3	11.33%	84.4	3.3
SC 170 / SC146	SC170_M2	73.5	82.8	64.43%	88.8	15.3
SC 170 / SC146	SC170_T1	63.3	72.0	44.80%	67.6	4.3

\*\*Curve numbers were updated, however, this basin was not in ICPR file, and therefore not updated in ICPR modeling



2018 UPDATE - NODE PEAK WATER SURFACE ELEVATIONS (FT, NAVD88)  
NEW RIVER WATERSHED

ICPR Node ID	2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
<b>Bloody Point Basin</b>				
BP_M-19	5.6	5.6	5.6	5.6
<b>Daufuskie South Basin</b>				
DS_M-124	13.4	13.8	13.9	14.2
<b>Eigelburger Basin</b>				
E_M-12	7.4	7.8	7.8	7.8
<b>Mungen Basin</b>				
M_M-50	10.5	10.6	10.7	10.8
<b>New River East Basin</b>				
NRE_M-58	11.3	11.8	11.9	12.3
<b>Oak Ridge Basin</b>				
OR_M-99	7.0	7.6	7.8	8.4
<b>SC-170/ SC-146 Basin</b>				
SC170_M-141	32.4	33.3	33.6	34.4
SC170_M-32	6.3	6.7	6.8	7.0
SC170_T1-1	13.4	13.7	13.9	14.5

**New**

**Road overtopping at Benjies Point Road**

**Add 7 - 36" RCP to existing 2 - 36" RCP**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Culvert Construction (includes excavation & backfill)	LF	\$280.00	30	\$8,400.00
D. Beveled End Section	EA	\$800.00	14	\$11,200.00
E. Road Fill and Compaction	CY	\$10.00	0	-
F. Remove and Replace Pavement	SY	\$50.00	177	\$8,800.00
G. Curb and Gutter	LF	\$15.00	106	\$1,600.00
	<b>Subtotal</b>			<b>\$38,000.00</b>
Contingency				\$7,600.00
Engineering/Legal/Administrative				\$4,600.00
	<b>Total</b>			<b>\$50,000.00</b>
	<b>Adjusted for January 2018 Dollars</b>			<b>\$76,000.00</b>

**Road overtopping at Prospect Road**

**Replace existing 1 - 15" CMP with 2 - 36" RCP**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Culvert Construction (includes excavation & backfill)	LF	\$80.00	25	\$2,000.00
D. Beveled End Section	EA	\$800.00	4	\$3,200.00
E. Road Fill and Compaction	CY	\$10.00	0	-
F. Remove and Replace Pavement	SY	\$50.00	78	\$3,900.00
G. Curb and Gutter	LF	\$15.00	56	\$800.00
	<b>Subtotal</b>			<b>\$17,000.00</b>
Contingency (20% of subtotal)				\$3,400.00
Engineering/Legal/Administrative (12% of subtotal)				\$2,000.00
	<b>Total</b>			<b>\$22,000.00</b>
	<b>Adjusted for January 2018 Dollars</b>			<b>\$33,000.00</b>

**Road overtopping at Prospect Road**

**Replace existing 1 - 24" CMP with 4 - 8'x4' box culverts**

**Raise road 1.8 feet (length of 360 ft)**

**New**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$2,480.00	30	\$74,400.00
D. Apron	EA	\$5,850.00	2	\$11,700.00
E. Wingwalls & Parapet	EA	\$6,725.00	2	\$13,500.00
F. Road Fill and Compaction	CY	\$10.00	703	\$7,000.00
G. Remove and Replace Pavement	SY	\$50.00	1,200	\$60,000.00
H. Curb and Gutter	LF	\$15.00	720	\$10,800.00
<b>Subtotal</b>				<b>\$185,000.00</b>
Contingency (20% of subtotal)				\$37,000.00
Engineering/Legal/Administrative (12% of subtotal)				\$22,200.00
<b>Total</b>				<b>\$224,000.00</b>
<b>Adjusted for January 2018 Dollars</b>				<b>\$339,000.00</b>

**Road overtopping at School Road**  
**Replace existing 1 - 18" RCP with 4 - 36" RCP**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Culvert Construction (includes excavation & backfill)	LF	\$160.00	30	\$4,800.00
D. Beveled End Section	EA	\$800.00	8	\$6,400.00
E. Road Fill and Compaction	CY	\$10.00	0	-
F. Remove and Replace Pavement	SY	\$50.00	93	\$4,700.00
G. Curb and Gutter	LF	\$15.00	56	\$800.00
<b>Subtotal</b>				<b>\$24,000.00</b>
Contingency (20% of subtotal)				\$4,800.00
Engineering/Legal/Administrative (12% of subtotal)				\$2,900.00
<b>Total</b>				<b>\$32,000.00</b>
<b>Adjusted for January 2018 Dollars</b>				<b>\$48,000.00</b>

**Road overtopping at Prospect Road**  
**Add 3 - 36" RCP to existing 1 - 36" CMP**  
**Raise road 1.0 ft (length of 260 ft)**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$5,000.00	1	\$5,000.00

**New**

B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Culvert Construction (includes excavation & backfill)	LF	\$120.00	25	\$3,000.00
D. Beveled End Section	EA	\$800.00	6	\$4,800.00
E. Road Fill and Compaction	CY	\$10.00	229	\$2,300.00
F. Remove and Replace Pavement	SY	\$50.00	92	\$4,600.00
G. Curb and Gutter	LF	\$15.00	66	\$1,000.00
<b>Subtotal</b>				<b>\$23,000.00</b>

Contingency (20% of subtotal) \$4,600.00  
Engineering/Legal/Administrative (12% of subtotal) \$2,800.00

**Total** **\$30,000.00**

**Adjusted for January 2018 Dollars** **\$45,000.00**

**Road overtopping at Beach Drive**  
**Raise road 0.8 feet (length of 170 ft)**

	Units	Unit Cost	Quantity	Cost
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Culvert Construction (includes excavation & backfill)	LF	\$80.00	0	-
D. Beveled End Section	EA	\$800.00	0	-
E. Road Fill and Compaction	CY	\$10.00	123	\$1,200.00
F. Remove and Replace Pavement	SY	\$50.00	756	\$37,800.00
G. Curb and Gutter	LF	\$15.00	340	\$5,100.00
<b>Subtotal</b>				<b>\$52,000.00</b>

Contingency (20% of subtotal) \$10,400.00  
Engineering/Legal/Administrative (12% of subtotal) \$6,200.00

**Total** **\$69,000.00**

**Adjusted for January 2018 Dollars** **\$105,000.00**

## Appendix F

2018 Updated Supporting Data for  
Beaufort River Watershed

**Beaufort Land Use and Curve Number Comparison Table**

Basin Name	Basin ID	2003 CN	CN FUTURE	Percent Change in Land Use (2003 to 2016)	2016 CN	Curve Number Change (2016 - 2003)
Albergotti Creek	AC_M1	92.8	92.8	8.09%	91.5	-1.3
Albergotti Creek	AC_M2	90.4	90.4	0.28%	90.4	0.0
Albergotti Creek	AC_M3	90.0	90.0	1.01%	90.1	0.1
Battery Creek East	BCE_M1	77.0	78.7	4.23%	78.2	1.2
Burton Hill	BH_M1	79.2	89.8	17.79%	79.4	0.2
Burton Hill	BH_M2	86.0	88.4	13.42%	81.3	-4.6
Ballpark Road	BR_M1	73.0	76.9	21.22%	74.3	1.3
Battery Creek North	BYCN_M1	80.5	91.9	35.67%	84.2	3.7
Battery Creek West	BYCW_M1	78.9	82.2	8.00%	76.3	-2.6
Capers Creek	CC_M1	79.0	80.8	16.04%	78.4	-0.6
Capers Road	CR_M1	78.1	80.6	10.57%	75.0	-3.1
Grober Hill	GH_M1	88.1	89.3	1.15%	84.0	-4.2
Grober Hill	GH_M2	85.7	87.5	2.41%	81.9	-3.8
Salt Creek	SC_M1	86.9	88.6	11.79%	83.9	-3.1
Salt Creek	SC_M2	84.3	87.5	2.64%	83.4	-0.9
Salt Creek	SC_M3	82.7	86.9	21.95%	82.5	-0.3
Salt Creek South	SCS_M1	76.4	81.7	5.12%	75.0	-1.4
Southside	SHE_M1	83.2	83.3	0.93%	83.4	0.2
Southside	SHE_M2	82.5	82.7	2.72%	82.3	-0.1
Southside	SHE_T1	84.5	84.7	1.98%	85.2	0.7
Shanklin Road	SR_M1	80.8	81.6	0.53%	80.9	0.1
Shanklin Road	SR_M2	84.3	89.4	7.52%	82.3	-2.1
Wallace Creek	WC_M1	79.7	80.8	2.78%	78.1	-1.6
Wallace Creek	WC_M2	82.2	84.3	2.17%	82.0	-0.2

2018 UPDATE - NODE PEAK WATER SURFACE ELEVATIONS (FT, NAVD88)  
BEAUFORT RIVER WATERSHED

ICPR Node ID	2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
Albergotti Creek Basin				
AC_M-35	7.4	7.8	7.8	7.8
Battery Creek East Basin				
BCE_M-11	7.5	7.9	7.9	7.9
BCE_M-8	6.8	7.9	7.9	7.9
Burton Hill Basin				
BH_M-31	11.3	13.0	13.4	13.6
Ballpark Road Basin				
BR_M-11	6.1	6.1	6.1	6.1
Battery Creek North Basin				
BYCN_M-21	12.2	13.7	14.1	14.2
Battery Creek West Basin				
BYCW_M-23	7.9	8.0	8.0	8.0
Grober Hill Basin				
GH_M-39	14.2	15.5	15.9	16.2
Salt Creek Basin				
SC_M-96	29.6	30.6	30.8	31.2
Southside Basin				
SHE_M-1	6.5	7.1	7.3	7.9
SHE_M-28	10.0	11.1	11.5	12.5
SHE_T1-12	11.3	12.5	13.0	14.2
Shanklin Road Basin				
SR_M-34	11.7	12.5	12.5	12.6
SR_M-79	19.0	19.0	19.0	19.0
Wallace Creek Basin				
WC_M-27	7.2	8.4	8.6	8.7

**Beaufort****Road overtopping at Halifax Drive****Replace existing 1 - 24" RCP with 1 - 8'x4' box culvert****Raise road 1.8 ft (length of 1,340 ft)**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$710.00	40	\$28,400.00
D. Apron	EA	\$2,100.00	2	\$4,200.00
E. Wingwalls & Parapet	EA	\$4,000.00	2	\$8,000.00
F. Road Fill and Compaction	CY	\$10.00	3,630	\$36,300.00
G. Remove and Replace Pavement	SY	\$50.00	5,956	\$297,800.00
H. Curb and Gutter	LF	\$15.00	2,680	\$40,200.00
<b>Subtotal</b>				<b>\$422,000.00</b>
Contingency (20% of subtotal)				\$84,400.00
Engineering/Legal/Administrative (12% of subtotal)				\$50,600.00
<b>Total</b>				<b>\$557,000.00</b>
<b>Adjusted for January 2018 Dollars</b>				<b>\$844,000.00</b>

**Road overtopping at Battery Creek Road****Replace existing 1 - 36" RCP and 1 - 24" RCP with 1 - 10'x5' box culvert**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$825.00	60	\$49,500.00
D. Apron	EA	\$2,508.33	2	\$5,000.00
E. Wingwalls & Parapet	EA	\$2,941.67	2	\$5,900.00
F. Road Fill and Compaction	CY	\$10.00	0	-
G. Remove and Replace Pavement	SY	\$50.00	100	\$5,000.00
H. Curb and Gutter	LF	\$15.00	60	\$900.00
<b>Subtotal</b>				<b>\$74,000.00</b>
Contingency (20% of subtotal)				\$14,800.00
Engineering/Legal/Administrative (12% of subtotal)				\$8,900.00
<b>Total</b>				<b>\$98,000.00</b>
<b>Adjusted for January 2018 Dollars</b>				<b>\$148,000.00</b>

**Road overtopping at June Way****Replace existing 1 - 48" RCP with 2 - 8'x5' box culverts**



**Beaufort**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$1,500.00	45	\$67,500.00
D. Apron	EA	\$4,900.00	2	\$9,800.00
E. Wingwalls & Parapet	EA	\$9,450.00	2	\$18,900.00
F. Road Fill and Compaction	CY	\$10.00	0	-
G. Remove and Replace Pavement	SY	\$50.00	185	\$9,300.00
H. Curb and Gutter	LF	\$15.00	74	\$1,100.00
	<b>Subtotal</b>			<b>\$114,100.00</b>
	Contingency (20% of subtotal)			\$22,800.00
	Engineering/Legal/Administrative (12% of subtotal)			\$13,700.00
	<b>Total</b>			<b>\$151,000.00</b>
	<b>Adjusted for January 2018 Dollars</b>			<b>\$229,000.00</b>

**Road overtopping at Robert Smalls Parkway (State Hwy 170)  
Replace existing 1 - 48" RCP with 1 - 8'x5' box culvert**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$750.00	180	\$135,000.00
D. Apron	EA	\$2,450.00	2	\$4,900.00
E. Wingwalls & Parapet	EA	\$4,725.00	2	\$9,500.00
F. Road Fill and Compaction	CY	\$10.00	0	-
G. Remove and Replace Pavement	SY	\$50.00	436	\$21,800.00
H. Curb and Gutter	LF	\$15.00	56	\$800.00
	<b>Subtotal</b>			<b>\$180,000.00</b>
	Contingency (20% of subtotal)			\$36,000.00
	Engineering/Legal/Administrative (12% of subtotal)			\$21,600.00
	<b>Total</b>			<b>\$238,000.00</b>
	<b>Adjusted for January 2018 Dollars</b>			<b>\$361,000.00</b>

**Road overtopping at Robert Smalls Parkway (State Hwy 170)  
Replace existing 1 - 30" RCP with 1 - 6'x4' box culvert**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$5,000.00	1	\$5,000.00

**Beaufort**

B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$500.00	120	\$60,000.00
D. Apron	EA	\$1,500.00	2	\$3,000.00
E. Wingwalls & Parapet	EA	\$3,100.00	2	\$6,200.00
F. Road Fill and Compaction	CY	\$10.00	0	-
G. Remove and Replace Pavement	SY	\$50.00	173	\$8,700.00
H. Curb and Gutter	LF	\$15.00	52	\$800.00
<b>Subtotal</b>				<b>\$86,000.00</b>

Contingency (20% of subtotal)	\$17,200.00
Engineering/Legal/Administrative (12% of subtotal)	\$10,300.00

<b>Total</b>	<b>\$114,000.00</b>
<b>Adjusted for January 2018 Dollars</b>	<b>\$173,000.00</b>

**Road overtopping at Parris Island Gateway (State Hwy 802)**

Replace existing 2 - 48" RCP with 2 - 10'x5' box culverts with tide gates

	Units	Unit Cost	Quantity	Cost
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$1,650.00	100	\$165,000.00
D. Apron	EA	\$5,020.00	2	\$10,000.00
E. Wingwalls & Parapet	EA	\$5,890.00	2	\$11,800.00
F. Tide Gates	EA		2	-
G. Road Fill and Compaction	CY	\$10.00	0	-
H. Remove and Replace Pavement	SY	\$50.00	260	\$13,000.00
I. Curb and Gutter	LF	\$15.00	78	\$1,200.00
<b>Subtotal</b>				<b>\$209,000.00</b>

Contingency (20% of subtotal)	\$41,800.00
Engineering/Legal/Administrative (12% of subtotal)	\$25,100.00

<b>Total</b>	<b>\$276,000.00</b>
<b>Adjusted for January 2018 Dollars</b>	<b>\$418,000.00</b>

**Road overtopping at Munich Road**

Replace existing 2 - 48" RCP with 3 - 8'x4' box culverts

	Units	Unit Cost	Quantity	Cost
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00

**Beaufort**

C. Box Culvert Construction (includes excavation & backfill)	LF	\$1,825.00	80	\$146,000.00
D. Apron	EA	\$4,630.00	2	\$9,300.00
E. Wingwalls & Parapet	EA	\$5,800.00	2	\$11,600.00
F. Road Fill and Compaction	CY	\$10.00	0	-
G. Remove and Replace Pavement	SY	\$50.00	153	\$7,700.00
H. Curb and Gutter	LF	\$15.00	92	\$1,400.00
<b>Subtotal</b>				<b>\$184,000.00</b>

Contingency (20% of subtotal)	\$36,800.00
Engineering/Legal/Administrative (12% of subtotal)	\$22,100.00

<b>Total</b>	<b>\$243,000.00</b>
<b>Adjusted for January 2018 Dollars</b>	<b>\$368,000.00</b>

**Road overtopping at Gothe Hill Road****Replace existing 2 - 30" RCP with 2 - 42" RCP**

	Units	Unit Cost	Quantity	Cost
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Culvert Construction (includes excavation & backfill)	LF	\$118.00	40	\$4,700.00
D. Beveled End Section	EA	\$1,800.00	4	\$7,200.00
E. Road Fill and Compaction	CY	\$10.00	0	-
F. Remove and Replace Pavement	SY	\$50.00	129	\$6,400.00
G. Curb and Gutter	LF	\$15.00	58	\$900.00
<b>Subtotal</b>				<b>\$27,000.00</b>

Contingency (20% of subtotal)	\$5,400.00
Engineering/Legal/Administrative (12% of subtotal)	\$3,200.00

<b>Total</b>	<b>\$36,000.00</b>
<b>Adjusted for January 2018 Dollars</b>	<b>\$55,000.00</b>

**Road overtopping at Robert Smalls Parkway (State Hwy 170)****Replace existing 1 - 30" RCP with 1 - 5'x4' box culvert**

	Units	Unit Cost	Quantity	Cost
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$456.67	120	\$54,800.40
D. Apron	EA	\$1,373.33	2	\$2,700.00
E. Wingwalls & Parapet	EA	\$2,320.00	2	\$4,600.00
F. Road Fill and Compaction	CY	\$10.00	0	-

**Beaufort**

G. Remove and Replace Pavement	SY	\$50.00	167	\$8,300.00
H. Curb and Gutter	LF	\$15.00	50	\$800.00
<b>Subtotal</b>				<b>\$79,000.00</b>

Contingency (20% of subtotal)	\$15,800.00
Engineering/Legal/Administrative (12% of subtotal)	\$9,500.00

<b>Total</b>	<b>\$104,000.00</b>
<b>Adjusted for January 2018 Dollars</b>	<b>\$158,000.00</b>

**Road overtopping at Laurel Bay Road****Add 1 - 48" RCP to existing 2 - 36" RCP**

	Units	Unit Cost	Quantity	Cost
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Culvert Construction (includes excavation & backfill)	LF	\$78.00	100	\$7,800.00
D. Beveled End Section	EA	\$2,100.00	2	\$4,200.00
E. Road Fill and Compaction	CY	\$10.00	0	-
F. Remove and Replace Pavement	SY	\$50.00	80	\$4,000.00
G. Curb and Gutter	LF	\$15.00	48	\$700.00
<b>Subtotal</b>				<b>\$24,000.00</b>

Contingency (20% of subtotal)	\$4,800.00
Engineering/Legal/Administrative (12% of subtotal)	\$2,900.00

<b>Total</b>	<b>\$32,000.00</b>
<b>Adjusted for January 2018 Dollars</b>	<b>\$48,000.00</b>

**Road overtopping at Battery Creek Road****Replace existing 2 - 30" RCP with 1 - 6'x4' box culvert****Raise road 1.7 ft (length of 750 ft)**

	Units	Unit Cost	Quantity	Cost
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$500.00	40	\$20,000.00
D. Apron	EA	\$1,500.00	2	\$3,000.00
E. Wingwalls & Parapet	EA	\$3,100.00	2	\$6,200.00
F. Road Fill and Compaction	CY	\$10.00	2,018	\$20,200.00
G. Remove and Replace Pavement	SY	\$50.00	3,333	\$166,700.00
H. Curb and Gutter	LF	\$15.00	1,500	\$22,500.00
<b>Subtotal</b>				<b>\$246,000.00</b>

**Beaufort**

Contingency (20% of subtotal)	\$49,200.00
Engineering/Legal/Administrative (12% of subtotal)	\$29,500.00
<b>Total</b>	<b>\$325,000.00</b>
<b>Adjusted for January 2018 Dollars</b>	<b>\$492,000.00</b>

**Road overtopping at Roseida Road****Replace existing 2 - 48" RCP with 1 - 12'x8' box culvert****Raise road 1.7 ft (length of 570 ft)**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$1,571.43	50	\$78,600.00
D. Apron	EA	\$3,028.57	2	\$6,100.00
E. Wingwalls & Parapet	EA	\$3,314.29	2	\$6,600.00
F. Road Fill and Compaction	CY	\$10.00	1,272	\$12,700.00
G. Remove and Replace Pavement	SY	\$50.00	1,900	\$95,000.00
H. Curb and Gutter	LF	\$15.00	1,140	\$17,100.00
<b>Subtotal</b>				<b>\$224,000.00</b>
Contingency (20% of subtotal)				\$44,800.00
Engineering/Legal/Administrative (12% of subtotal)				\$26,900.00
<b>Total</b>				<b>\$296,000.00</b>
<b>Adjusted for January 2018 Dollars</b>				<b>\$448,000.00</b>

**Road overtopping at Laurel Bay Road****Add 1 - 48" RCP to existing 2 - 4'x4' box culverts**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$78.00	60	\$4,700.00
D. Beveled End Section	EA	\$2,100.00	2	\$4,200.00
E. Road Fill and Compaction	CY	\$10.00	0	-
F. Remove and Replace Pavement	SY	\$50.00	80	\$4,000.00
G. Curb and Gutter	LF	\$15.00	48	\$700.00
<b>Subtotal</b>				<b>\$21,000.00</b>
Contingency (20% of subtotal)				\$4,200.00
Engineering/Legal/Administrative (12% of subtotal)				\$2,500.00
<b>Total</b>				<b>\$28,000.00</b>

**Beaufort****Adjusted for January 2018 Dollars****\$42,000.00****Road overtopping at Fort Sumter Drive****Replace existing 2 - 48" RCP with 1 - 12'x6' box culvert**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$618.75	20	\$12,400.00
D. Apron	EA	\$1,881.25	2	\$3,800.00
E. Wingwalls & Parapet	EA	\$2,206.25	2	\$4,400.00
F. Road Fill and Compaction	CY	\$10.00	0	-
G. Remove and Replace Pavement	SY	\$50.00	71	\$3,600.00
H. Curb and Gutter	LF	\$15.00	64	\$1,000.00
	<b>Subtotal</b>			<b>\$33,000.00</b>
	Contingency (20% of subtotal)			\$6,600.00
	Engineering/Legal/Administrative (12% of subtotal)			\$4,000.00
	<b>Total</b>			<b>\$44,000.00</b>
	<b>Adjusted for January 2018 Dollars</b>			<b>\$67,000.00</b>

**Road overtopping at Orange Grove Road****Replace existing 2 - 30" RCP with 1 - 8'x4' box culvert**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$710.00	40	\$28,400.00
D. Apron	EA	\$2,100.00	2	\$4,200.00
E. Wingwalls & Parapet	EA	\$4,000.00	2	\$8,000.00
F. Road Fill and Compaction	CY	\$10.00	0	-
G. Remove and Replace Pavement	SY	\$50.00	124	\$6,200.00
H. Curb and Gutter	LF	\$15.00	56	\$800.00
	<b>Subtotal</b>			<b>\$55,000.00</b>
	Contingency (20% of subtotal)			\$11,000.00
	Engineering/Legal/Administrative (12% of subtotal)			\$6,600.00
	<b>Total</b>			<b>\$73,000.00</b>
	<b>Adjusted for January 2018 Dollars</b>			<b>\$111,000.00</b>

## Appendix G

2018 Updated Supporting Data for  
Coosaw River Watershed

**Coosaw Land Use and Curve Number Comparison Table**

Basin Name	Basin ID	2003 CN	CN FUTURE	Percent Change in Land Use (2003 to 2016)	2016 CN	Curve Number Change (2016 - 2003)
Air Station	AS_M1	89.8	89.8	8.6%	88.3	-1.5
Air Station	AS_M2	90.9	90.9	8.3%	78.8	-12.2
Air Station	AS_M3	91.8	91.8	19.8%	86.5	-5.3
Air Station	AS_M4	83.7	86.0	2.1%	82.0	-1.7
Air Station	AS_M5	84.8	85.6	8.8%	84.4	-0.4
Air Station	AS_M6	75.3	83.4	10.6%	79.9	4.5
Air Station	AS_M7	81.4	85.7	8.2%	82.0	0.6
Air Station	AS_T1	88.3	92.0	4.8%	78.6	-9.7
Air Station	AS_T2	69.3	77.5	25.4%	70.3	1.0
Brickyard Creek	BC_M1	69.1	71.2	3.7%	69.7	0.6
Brickyard Creek	BC_M2	78.7	81.5	4.9%	77.1	-1.6
Briars Creek South	BCS_M1	82.4	82.5	2.2%	78.8	-3.6
Briars Creek West	BCW_M1	76.2	76.2	1.2%	76.9	0.7
Briars Creek West	BCW_M2	78.5	80.8	0.0%	78.9	0.3
Briars Creek West	BCW_T1	81.0	81.2	0.0%	80.2	-0.8
Branford Creek East	BDCE_M1	86.9	86.9	0.2%	89.6	2.6
Branford Creek East	BDCE_M2	86.5	86.5	1.6%	91.2	4.7
Branford Creek East	BDCE_M3	84.4	84.7	26.1%	87.9	3.5
Branford Creek East	BDCE_M4	79.6	80.2	6.0%	77.9	-1.7
Branford Creek East	BDCE_M5	83.2	83.3	31.7%	85.6	2.4
Branford Creek East	BDCE_M6	82.9	85.1	6.8%	89.3	6.4
Branford Creek East	BDCE_T1	86.8	88.2	6.6%	88.4	1.6
Branford Creek East	BDCE_T1A	85.4	85.6	0.4%	91.7	6.3
Branford Creek East	BDCE_T1B	80.1	80.1	0.0%	83.2	3.1
Branford Creek East	BDCE_T1C	81.8	81.9	1.9%	83.8	2.1
Branford Creek East	BDCE_T1D	80.9	80.9	7.9%	81.9	1.0
Branford Creek East	BDCE_T2	82.5	84.7	7.6%	85.3	2.8
Branford Creek East	BDCE_T3	84.1	85.4	7.5%	86.0	2.0
Branford Creek East	BDCE_T3A	84.6	86.3	11.3%	85.5	0.9



**Coosaw Land Use and Curve Number Comparison Table**

<b>Basin Name</b>	<b>Basin ID</b>	<b>2003 CN</b>	<b>CN FUTURE</b>	<b>Percent Change in Land Use (2003 to 2016)</b>	<b>2016 CN</b>	<b>Curve Number Change (2016 - 2003)</b>
Browns Island	BI_M1	78.2	80.1	8.3%	78.6	0.4
Coosaw River	CWR_M1	64.6	65.4	5.3%	64.4	-0.2
Dale	DE_M1	76.7	77.5	3.7%	75.1	-1.6
Dale	DE_M2	82.0	83.3	5.7%	80.6	-1.5
Dale	DE_M3	80.5	80.7	1.2%	80.6	0.2
Dale	DE_M4	87.9	88.3	1.7%	86.4	-1.5
Dale	DE_T1	83.5	84.3	5.3%	84.0	0.5
HalfMoon Island	HM_M1	86.4	87.5	41.9%	81.3	-5.1
Laurel Hill	LH_M1	73.1	76.7	6.6%	69.1	-4.1
Lobeco	LO_M1	88.0	88.1	1.5%	87.2	-0.9
Lobeco	LO_M2	78.4	82.0	8.7%	79.0	0.6
Lobeco	LO_M3	81.9	82.1	1.6%	82.0	0.1
McCalleys Creek	MC_M1	71.5	76.5	11.7%	72.5	1.1
Mulligan Creek	MNC_M1	92.1	92.1	19.7%	88.7	-3.4
True Blue Creek North	TBCN_M1	84.6	85.0	0.0%	80.5	-4.1
True Blue Creek North	TBCN_M2	80.2	80.2	0.0%	78.5	-1.7
True Blue Creek North	TBCN_M3	82.0	84.0	0.8%	83.0	1.0
True Blue Creek North	TBCN_M4	74.8	75.0	2.8%	75.2	0.4
True Blue Creek South	TBCS_M1	80.4	80.4	0.0%	77.7	-2.7
True Blue Creek South	TBCS_M2	79.1	79.1	6.4%	76.5	-2.7

2018 UPDATE - NODE PEAK WATER SURFACE ELEVATIONS (FT, NAVD88)  
COOSAW RIVER WATERSHED

ICPR Node ID	2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
<b>Air Station Basin</b>				
AS_M-112	22.9	25.9	26.8	30.0
AS_M-128	25.2	27.7	28.1	30.0
AS_M-268	33.7	34.1	34.2	34.3
AS_T1-38	30.9	31.6	31.8	32.4
<b>Brickyard Creek Basin</b>				
BC_M-11	6.5	6.7	6.7	6.7
BC_M-48	14.5	14.5	14.5	14.5
<b>Branford Creek East Basin</b>				
BDCE_M-240	6.9	8.0	8.4	9.5
BDCE_M-285	8.7	9.7	10.0	10.5
BDCE_M-90	5.1	5.2	5.2	5.3
BDCE_T1-133	6.8	7.7	7.8	8.0
BDCE_T1-281	8.6	8.6	8.6	8.5
BDCE_T3-46	6.7	7.1	7.2	7.5
BDCE_T4-20	5.6	6.3	6.6	7.3
<b>Coosaw River Basin</b>				
CWR_M-17	10.5	12.0	12.0	12.3
CWR_M-20	11.5	12.1	12.4	12.2
<b>Dale Basin</b>				
DE_M-134	17.2	17.9	18.1	18.7
DE_T1-67	6.5	7.2	7.5	8.3
<b>Laurel Hill Basin</b>				
LH_M-10	4.7	4.7	4.7	4.7
LH_M-13	8.8	8.8	8.8	8.8
<b>Lobeco Basin</b>				
LO_M-53	10.5	12.1	12.7	14.1
LO_M-60	14.1	14.1	14.1	14.2
<b>True Blue Creek North Basin</b>				
TBCN_M-126	15.4	15.4	15.4	15.4
TBCN_M-89	8.8	9.4	9.5	9.5
<b>True Blue Creek South Basin</b>				
TBCS_M-57	9.3	9.6	9.6	9.6

**Coosaw****Road overtopping at R.C. West Road N.****Replace existing 2 - 72" RCP with 2 - 12'x6' box culverts**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$2,200.00	215	\$473,000.00
D. Apron	EA	\$4,240.00	2	\$8,500.00
E. Wingwalls & Parapet	EA	\$4,640.00	2	\$9,300.00
F. Road Fill and Compaction	CY	\$10.00	0	-
G. Remove and Replace Pavement	SY	\$50.00	150	\$7,500.00
H. Curb and Gutter	LF	\$15.00	90	\$1,400.00
	<b>Subtotal</b>			<b>\$507,000.00</b>
	Contingency (20% of subtotal)			\$101,400.00
	Engineering/Legal/Administrative (12% of subtotal)			\$60,800.00
	<b>Total</b>			<b>\$669,000.00</b>
	<b>Adjusted for January 2018 Dollars</b>			<b>\$1,014,000.00</b>

**Road overtopping at T-31****Replace existing 2 - 60" RCP with 2 - 12'x6' box culverts**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$1,860.00	1,200	\$2,232,000.00
D. Apron	EA	\$5,650.00	2	\$11,300.00
E. Wingwalls & Parapet	EA	\$6,620.00	2	\$13,200.00
F. Road Fill and Compaction	CY	\$10.00	0	-
G. Remove and Replace Pavement	SY	\$50.00	0	-
H. Curb and Gutter	LF	\$15.00	0	-
	<b>Subtotal</b>			<b>\$2,264,000.00</b>
	Contingency (20% of subtotal)			\$452,800.00
	Engineering/Legal/Administrative (12% of subtotal)			\$271,700.00
	<b>Total</b>			<b>\$2,989,000.00</b>
	<b>Adjusted for January 2018 Dollars</b>			<b>\$4,529,000.00</b>

**Road overtopping at R.C. West Road N****Replace existing 2 - 48" RCP and 2 - 60"x38" arches with 2 - 12'x6' with 2 - 12'x6' box culverts****Raise road 1.3 ft (length of 1,710 ft)**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$2,200.00	120	\$264,000.00

**Coosaw**

D. Apron	EA	\$4,240.00	2	\$8,500.00
E. Wingwalls & Parapet	EA	\$4,640.00	2	\$9,300.00
F. Road Fill and Compaction	CY	\$10.00	5,094	\$50,900.00
G. Remove and Replace Pavement	SY	\$50.00	5,700	\$285,000.00
H. Curb and Gutter	LF	\$15.00	3,420	\$51,300.00
<b>Subtotal</b>				<b>\$677,000.00</b>

Contingency (20% of subtotal)	\$135,400.00
Engineering/Legal/Administrative (12% of subtotal)	\$81,200.00

<b>Total</b>	<b>\$894,000.00</b>
<b>Adjusted for January 2018 Dollars</b>	<b>\$1,355,000.00</b>

**Road overtopping at Trask Parkway (US Hwy 17)****Replace existing 1 - 30" RCP and 1 - 5.5'x5' box culvert with 2 - 14'x7' box culverts**

	Units	Unit Cost	Quantity	Cost
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$2,750.00	215	\$591,300.00
D. Apron	EA	\$5,300.00	2	\$10,600.00
E. Wingwalls & Parapet	EA	\$5,800.00	2	\$11,600.00
F. Road Fill and Compaction	CY	\$10.00	0	-
G. Remove and Replace Pavement	SY	\$50.00	327	\$16,300.00
H. Curb and Gutter	LF	\$15.00	98	\$1,500.00
<b>Subtotal</b>				<b>\$639,000.00</b>

Contingency (20% of subtotal)	\$127,800.00
Engineering/Legal/Administrative (12% of subtotal)	\$76,700.00

<b>Total</b>	<b>\$844,000.00</b>
<b>Adjusted for January 2018 Dollars</b>	<b>\$1,279,000.00</b>

**Road overtopping at Trask Parkway (US Hwy 17)****Replace existing 1 - 18" RCP with 1 - 8'x4' box culvert**

	Units	Unit Cost	Quantity	Cost
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$710.00	200	\$142,000.00
D. Apron	EA	\$2,100.00	2	\$4,200.00
E. Wingwalls & Parapet	EA	\$4,000.00	2	\$8,000.00
F. Road Fill and Compaction	CY	\$10.00	0	-
G. Remove and Replace Pavement	SY	\$50.00	187	\$9,300.00
H. Curb and Gutter	LF	\$15.00	56	\$800.00
<b>Subtotal</b>				<b>\$172,000.00</b>

Contingency (20% of subtotal)	\$34,400.00
Engineering/Legal/Administrative (12% of subtotal)	\$20,600.00

Coosaw

<b>Total</b>	<b>\$227,000.00</b>
<b>Adjusted for January 2018 Dollars</b>	<b>\$344,000.00</b>

**Road overtopping at Walling Grove Road**

**Replace existing 2 - 46"x30" box culverts with 2 - 10'x5' box culverts**

	Units	Unit Cost	Quantity	Cost
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$1,650.00	46	\$75,900.00
D. Apron	EA	\$5,020.00	2	\$10,000.00
E. Wingwalls & Parapet	EA	\$5,890.00	2	\$11,800.00
F. Road Fill and Compaction	CY	\$10.00	0	-
G. Remove and Replace Pavement	SY	\$50.00	137	\$6,800.00
H. Curb and Gutter	LF	\$15.00	82	\$1,200.00
<b>Subtotal</b>				<b>\$113,000.00</b>

Contingency (20% of subtotal)	\$22,600.00
Engineering/Legal/Administrative (12% of subtotal)	\$13,600.00

<b>Total</b>	<b>\$149,000.00</b>
<b>Adjusted for January 2018 Dollars</b>	<b>\$226,000.00</b>

**Road overtopping at Big Estate Road**

**Replace existing 1 - 72" RCP with 1 - 8'x4' box culvert**

**Raise road 1.3 ft (length of 170 ft)**

	Units	Unit Cost	Quantity	Cost
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$710.00	45	\$32,000.00
D. Apron	EA	\$2,100.00	2	\$4,200.00
E. Wingwalls & Parapet	EA	\$4,000.00	2	\$8,000.00
F. Road Fill and Compaction	CY	\$10.00	399	\$4,000.00
G. Remove and Replace Pavement	SY	\$50.00	567	\$28,300.00
H. Curb and Gutter	LF	\$15.00	340	\$5,100.00
<b>Subtotal</b>				<b>\$89,000.00</b>

Contingency (20% of subtotal)	\$17,800.00
Engineering/Legal/Administrative (12% of subtotal)	\$10,700.00

<b>Total</b>	<b>\$118,000.00</b>
<b>Adjusted for January 2018 Dollars</b>	<b>\$179,000.00</b>

**Road overtopping at Walling Grove Road**

**Raise Road from elevation 11.5 ft to 12.5 ft NAVD(Length of 500 ft.)**

	Units	Unit Cost	Quantity	Cost
A. Mobilization	EA	\$7,500.00	1	\$7,500.00

**Coosaw**

B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$5,000.00	1	\$5,000.00
C. Road Fill and Compaction	CY	\$25.00	800	\$20,000.00
D. Remove and Replace Pavement	SY	\$75.00	800	\$60,000.00
E. Curb and Gutter	LF	\$25.00	1,000	\$25,000.00
<b>Subtotal</b>				<b>\$117,500.00</b>

Contingency (20% of subtotal)	\$23,500.00
Engineering/Legal/Administrative (12% of subtotal)	\$14,100.00

**Total** **\$155,000.00** *New Project for Update*

**Road overtopping at Wimbee Landing Road**  
**Replace existing 1 - 48" RCP with 1 - 6'x4' box culvert**

	Units	Unit Cost	Quantity	Cost
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$500.00	60	\$30,000.00
D. Apron	EA	\$1,500.00	2	\$3,000.00
E. Wingwalls & Parapet	EA	\$3,100.00	2	\$6,200.00
F. Road Fill and Compaction	CY	\$10.00	0	-
G. Remove and Replace Pavement	SY	\$50.00	87	\$4,300.00
H. Curb and Gutter	LF	\$15.00	52	\$800.00
<b>Subtotal</b>				<b>\$52,000.00</b>

Contingency (20% of subtotal)	\$10,400.00
Engineering/Legal/Administrative (12% of subtotal)	\$6,200.00

**Total** **\$69,000.00**  
**Adjusted for January 2018 Dollars** **\$105,000.00**

**Road overtopping at Wimbee Landing Road**  
**Raise road 0.6 ft (length of 530 ft)**

	Units	Unit Cost	Quantity	Cost
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Road Fill and Compaction	CY	\$10.00	424	\$4,200.00
D. Remove and Replace Pavement	SY	\$50.00	1,767	\$88,300.00
E. Curb and Gutter	LF	\$15.00	1,060	\$15,900.00
<b>Subtotal</b>				<b>\$116,000.00</b>

Contingency (20% of subtotal)	\$23,200.00
Engineering/Legal/Administrative (12% of subtotal)	\$13,900.00

**Total** **\$153,000.00**  
**Adjusted for January 2018 Dollars** **\$232,000.00**

**Road overtopping at Keans Neck Road**  
**Replace existing 1 - 24" RCP and 2 - 18" RCP with 2 - 48" RCP**

**Coosaw**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Culvert Construction (includes excavation & backfill)	LF	\$156.00	30	\$4,700.00
D. Beveled End Section	EA	\$2,100.00	4	\$8,400.00
E. Road Fill and Compaction	CY	\$10.00	0	-
F. Remove and Replace Pavement	SY	\$50.00	100	\$5,000.00
G. Curb and Gutter	LF	\$15.00	60	\$900.00
<b>Subtotal</b>				<b>\$27,000.00</b>
Contingency (20% of subtotal)				\$5,400.00
Engineering/Legal/Administrative (12% of subtotal)				\$3,200.00
<b>Total</b>				<b>\$36,000.00</b>
<b>Adjusted for January 2018 Dollars</b>				<b>\$55,000.00</b>

**Road overtopping at Gadwell Drive**  
**Replace existing 1 - 15" RCP with 2 - 36" RCP**  
**Raise road 1.0 ft (length of 320 ft)**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Culvert Construction (includes excavation & backfill)	LF	\$80.00	30	\$2,400.00
D. Beveled End Section	EA	\$800.00	4	\$3,200.00
E. Road Fill and Compaction	CY	\$10.00	455	\$4,500.00
F. Remove and Replace Pavement	SY	\$50.00	0	-
G. Curb and Gutter	LF	\$15.00	0	-
<b>Subtotal</b>				<b>\$18,000.00</b>
Contingency (20% of subtotal)				\$3,600.00
Engineering/Legal/Administrative (12% of subtotal)				\$2,200.00
<b>Total</b>				<b>\$24,000.00</b>
<b>Adjusted for January 2018 Dollars</b>				<b>\$36,000.00</b>

**Road overtopping at Keans Neck Road**  
**Replace existing 1 - 30" RCP with 1 - 10'x5' box culvert**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$825.00	40	\$33,000.00
D. Apron	EA	\$2,510.00	2	\$5,000.00
E. Wingwalls & Parapet	EA	\$2,950.00	2	\$5,900.00
F. Road Fill and Compaction	CY	\$10.00	0	-
G. Remove and Replace Pavement	SY	\$50.00	97	\$4,800.00

**Coosaw**

H. Curb and Gutter	LF	\$15.00	58	\$900.00
<b>Subtotal</b>				<b>\$57,000.00</b>
Contingency (20% of subtotal)				\$11,400.00
Engineering/Legal/Administrative (12% of subtotal)				\$6,800.00
<b>Total</b>				<b>\$75,000.00</b>
<b>Adjusted for January 2018 Dollars</b>				<b>\$114,000.00</b>

**Road overtopping at Stroban Road****Replace existing 1 - 36" RCP with 1 - 8'x4' box culvert**

	Units	Unit Cost	Quantity	Cost
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$710.00	50	\$35,500.00
D. Apron	EA	\$2,100.00	2	\$4,200.00
E. Wingwalls & Parapet	EA	\$4,000.00	2	\$8,000.00
F. Road Fill and Compaction	CY	\$10.00	0	-
G. Remove and Replace Pavement	SY	\$50.00	93	\$4,700.00
H. Curb and Gutter	LF	\$15.00	56	\$800.00
<b>Subtotal</b>				<b>\$61,000.00</b>
Contingency (20% of subtotal)				\$12,200.00
Engineering/Legal/Administrative (12% of subtotal)				\$7,300.00
<b>Total</b>				<b>\$81,000.00</b>
<b>Adjusted for January 2018 Dollars</b>				<b>\$123,000.00</b>

**Road overtopping at Kinlock Road****Replace existing 1 - 30" RCP with 1 - 7'x4' box culvert**

	Units	Unit Cost	Quantity	Cost
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$540.00	40	\$21,600.00
D. Apron	EA	\$1,530.00	2	\$3,100.00
E. Wingwalls & Parapet	EA	\$2,320.00	2	\$4,600.00
F. Road Fill and Compaction	CY	\$10.00	0	-
G. Remove and Replace Pavement	SY	\$50.00	90	\$4,500.00
H. Curb and Gutter	LF	\$15.00	54	\$800.00
<b>Subtotal</b>				<b>\$42,000.00</b>
Contingency (20% of subtotal)				\$8,400.00
Engineering/Legal/Administrative (12% of subtotal)				\$5,000.00
<b>Total</b>				<b>\$55,000.00</b>
<b>Adjusted for January 2018 Dollars</b>				<b>\$83,000.00</b>



## Appendix H

### 2006 Supporting Data for Whale Branch West Watershed

TABLE H-1  
CHANNEL INPUT DATA  
WHALE BRANCH WEST WATERSHED

ICPR Channel ID	Length (ft)	Maximum Depth (ft)	Top Width (ft)	Manning's n
<b>Brewton West Basin</b>				
BW_M-2	1,082	13.4	1,675	0.070
BW_M-3	705	13.3	2,670	0.070
BW_M-5	1,248	12.1	3,305	0.070
BW_M-6	1,868	8.2	1,685	0.070
BW_M-8	1,323	9.3	2,165	0.035
BW_M-9	733	6.7	1,665	0.070
BW_M-11	1,238	9.1	1,550	0.035
BW_T1-1	2,720	4.3	1,670	0.070
BW_T1-2	1,042	12.1	2,845	0.070
<b>Gardens Corner North Basin</b>				
GCN_M-2	964	14.3	2,185	0.070
GCN_M-3	1,207	13.5	2,595	0.070
GCN_M-5	1,341	13.6	1,505	0.070
<b>Gardens Corner South Basin</b>				
GCS_M-2	727	11.5	2,660	0.035
GCS_M-3	758	12.2	1,050	0.035
GCS_M-4	720	11.5	1,475	0.035
<b>Grays Hill North Basin</b>				
GHN_M-1	971	6.5	675	0.035
GHN_M-3	1,022	2.7	735	0.035
GHN_M-5	528	3.7	570	0.035
GHN_M-7	425	5.8	747	0.070
GHN_M-9	652	4.1	1,126	0.070
<b>Huspa Creek North Basin</b>				
HACN_M-0	885	10.4	1,875	0.035
HACN_M-2	1,072	13.5	1,175	0.035
HACN_M-3	1,159	11.7	1,000	0.070
<b>Huspa Creek South Basin</b>				
HACS_M-2	367	4.8	1,330	0.035
<b>Huspa Creek West Basin</b>				
HACW_M-2	347	8.7	1,800	0.035
HACW_M-3	872	9.6	1,883	0.035
<b>Scotts Neck East Basin</b>				
SNE_M-2	932	9.8	1,600	0.070

TABLE H-2  
WEIR INPUT DATA  
WHALE BRANCH WEST WATERSHED

ICPR Weir ID	Type	Crest Elevation (ft)	Geometry	Span (ft)	Rise (ft)
<b>Brewton West Basin</b>					
BW_M-1B	Paved Road	6.5	Irregular	1,739	N/A
BW_M-10C	Paved Road	12.5	Irregular	1,658	N/A
<b>Gardens Corner North Basin</b>					
GCN_M-1C	Paved Road	9.5	Irregular	1,365	N/A
<b>Gardens Corner South Basin</b>					
GCS_M-1B	Paved Road	9.0	Irregular	2,469	N/A
<b>Grays Hill North Basin</b>					
GHN_M-2B	Paved Road	32.5	Irregular	860	N/A
GHN_M-8B	Paved Road	38.1	Irregular	584	N/A
GHN_M-10B	Gravel Road	36.3	Irregular	612	N/A
<b>Huspa Creek North Basin</b>					
HACN_M-1B	Paved Road	11.5	Irregular	1,811	N/A
<b>Huspa Creek South Basin</b>					
HACS_M-1B	Gravel Road	6.0	Irregular	804	N/A
HACS_M-3B	Paved Road	9.5	Irregular	1,376	N/A
<b>Huspa Creek West Basin</b>					
HACW_M-1B	Paved Road	8.0	Irregular	644	N/A
<b>Scotts Neck East Basin</b>					
SNE_M-1B	Paved Road	7.7	Irregular	546	N/A

TABLE H-3  
TIDE GATES  
WHALE BRANCH WEST WATERSHED

ICPR Conduit ID	Tide Gate Description
<b>Brewton West Basin</b>	
No tide gates in this basin	
<b>Gardens Corner North Basin</b>	
No tide gates in this basin	
<b>Gardens Corner South Basin</b>	
No tide gates in this basin	
<b>Grays Hill North Basin</b>	
No tide gates in this basin	
<b>Huspa Creek North Basin</b>	
No tide gates in this basin	
<b>Huspa Creek South Basin</b>	
No tide gates in this basin	
<b>Huspa Creek West Basin</b>	
No tide gates in this basin	
<b>Scotts Neck East Basin</b>	
No tide gates in this basin	

TABLE H-4  
STORAGE AREA INPUT DATA  
WHALE BRANCH WEST WATERSHED

ICPR Node ID	Minimum Stage (ft)	Minimum Surface Area (ac)	Maximum Stage (ft)	Maximum Surface Area (ac)
<b>Brewton West Basin</b>				
BW_M-36	6	0.69	7	12.88
BW_M-90	8	0.05	25	248.94
BW_T1-25	7	6.85	22	266.94
<b>Gardens Corner North Basin</b>				
No storage areas in this basin.				
<b>Gardens Corner South Basin</b>				
GCS_M-26	7	0.29	27	263.03
<b>Grays Hill North Basin</b>				
GHN_M-55	34	0.16	44	231.54
<b>Huspa Creek North Basin</b>				
HACN_M-37	10	0.53	31	222.88
<b>Huspa Creek South Basin</b>				
HACS_M-9	7	0.10	26	217.35
<b>Huspa Creek West Basin</b>				
HACW_M-19	8	0.02	29	177.09
<b>Scotts Neck East Basin</b>				
SNE_M-13	3	0.01	40	199.27

TABLE H-5  
SUBBASIN PEAK FLOW VALUES FOR 2-YEAR DESIGN STORM  
WHALE BRANCH WEST WATERSHED

ICPR Subbasin ID	Tributary Area (acres)	Peak Flow (cfs)				
		Undeveloped	Existing Uncontrolled	Existing Controlled	Future Uncontrolled	Future Controlled
<b>Brewton West Basin</b>						
BW_M1	177	120	129	129	129	129
BW_M2	226	198	226	226	226	226
BW_M3	536	429	484	484	484	484
BW_T1	416	350	377	377	377	377
<b>Gardens Corner North Basin</b>						
GCN_M1	206	66	94	89	125	89
GCN_M2	412	136	144	144	151	144
<b>Gardens Corner South Basin</b>						
GCS_M1	386	159	240	240	256	240
GCS_M2	283	99	172	172	191	172
<b>Grays Hill North Basin</b>						
GHN_M1	363	23	42	42	73	42
<b>Huspa Creek North Basin</b>						
HACN_M1	402	111	143	143	157	143
<b>Huspa Creek South Basin</b>						
HACS_M1	246	102	134	123	146	123
<b>Huspa Creek West Basin</b>						
HACW_M1	309	141	195	195	202	195
<b>Scotts Neck East Basin</b>						
SNE_M1	268	121	156	123	160	123
AVERAGE	325	158	195	191	206	191

TABLE H-6  
SUBBASIN PEAK FLOW VALUES FOR 10-YEAR DESIGN STORM  
WHALE BRANCH WEST WATERSHED

ICPR Subbasin ID	Tributary Area (acres)	Peak Flow (cfs)				
		Undeveloped	Existing Uncontrolled	Existing Controlled	Future Uncontrolled	Future Controlled
<b>Brewton West Basin</b>						
BW_M1	177	217	229	229	230	229
BW_M2	226	339	375	375	375	375
BW_M3	536	739	812	812	812	812
BW_T1	416	581	615	615	615	615
<b>Gardens Corner North Basin</b>						
GCN_M1	206	154	198	191	244	191
GCN_M2	412	284	296	296	307	296
<b>Gardens Corner South Basin</b>						
GCS_M1	386	315	434	434	454	434
GCS_M2	283	200	306	306	333	306
<b>Grays Hill North Basin</b>						
GHN_M1	363	67	104	104	157	104
<b>Huspa Creek North Basin</b>						
HACN_M1	402	239	288	288	309	288
<b>Huspa Creek South Basin</b>						
HACS_M1	246	206	254	237	270	237
<b>Huspa Creek West Basin</b>						
HACW_M1	309	281	361	361	370	361
<b>Scotts Neck East Basin</b>						
SNE_M1	268	242	295	246	301	246
AVERAGE	325	297	351	346	367	346

TABLE H-7  
SUBBASIN PEAK FLOW VALUES FOR 25-YEAR DESIGN STORM  
WHALE BRANCH WEST WATERSHED

ICPR Subbasin ID	Tributary Area (acres)	Peak Flow (cfs)				
		Undeveloped	Existing Uncontrolled	Existing Controlled	Future Uncontrolled	Future Controlled
<b>Brewton West Basin</b>						
BW_M1	177	257	270	270	270	270
BW_M2	226	395	434	434	434	434
BW_M3	536	862	942	942	942	942
BW_T1	416	673	710	710	710	710
<b>Gardens Corner North Basin</b>						
GCN_M1	206	192	242	234	293	234
GCN_M2	412	346	360	360	373	360
<b>Gardens Corner South Basin</b>						
GCS_M1	386	380	512	512	533	512
GCS_M2	283	243	360	360	390	360
<b>Grays Hill North Basin</b>						
GHN_M1	363	87	132	132	193	132
<b>Huspa Creek North Basin</b>						
HACN_M1	402	293	348	348	372	348
<b>Huspa Creek South Basin</b>						
HACS_M1	246	250	302	284	321	284
<b>Huspa Creek West Basin</b>						
HACW_M1	309	338	428	428	438	428
<b>Scotts Neck East Basin</b>						
SNE_M1	268	294	351	298	359	298
AVERAGE	325	355	415	409	433	409



TABLE H-8  
SUBBASIN PEAK FLOW VALUES FOR 100-YEAR DESIGN STORM  
WHALE BRANCH WEST WATERSHED

ICPR Subbasin ID	Tributary Area (acres)	Peak Flow (cfs)				
		Undeveloped	Existing Uncontrolled	Existing Controlled	Future Uncontrolled	Future Controlled
<b>Brewton West Basin</b>						
BW_M1	177	335	350	350	350	350
BW_M2	226	507	552	552	552	552
BW_M3	536	1,108	1,201	1,201	1,201	1,201
BW_T1	416	855	897	897	897	897
<b>Gardens Corner North Basin</b>						
GCN_M1	206	272	332	332	393	393
GCN_M2	412	474	492	492	507	507
<b>Gardens Corner South Basin</b>						
GCS_M1	386	512	668	668	691	691
GCS_M2	283	329	467	467	503	503
<b>Grays Hill North Basin</b>						
GHN_M1	363	536	585	191	596	268
<b>Huspa Creek North Basin</b>						
HACN_M1	402	338	401	472	422	501
<b>Huspa Creek South Basin</b>						
HACS_M1	246	456	562	401	573	422
<b>Huspa Creek West Basin</b>						
HACW_M1	309	322	437	562	478	573
<b>Scotts Neck East Basin</b>						
SNE_M1	268	610	688	465	762	475
AVERAGE	325	512	587	542	610	564

TABLE H-9  
 NODE PEAK WATER SURFACE ELEVATIONS  
 WHALE BRANCH WEST WATERSHED  
 EXISTING LAND USE

ICPR Node ID	Initial Elevation (ft)	Existing Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
<b>Brewton West Basin</b>					
BW_M-2	5.6	5.6	5.6	5.6	5.6
BW_M-3	5.6	6.8	7.0	7.1	7.2
BW_M-14	5.6	6.8	7.0	7.1	7.2
BW_M-21	5.6	6.8	7.0	7.1	7.2
BW_M-23	5.6	8.9	9.6	9.9	10.4
BW_M-36	6.8	8.9	9.6	9.9	10.4
BW_M-54	7.5	8.9	9.6	9.9	10.4
BW_M-68	8.4	9.4	9.7	10.0	10.4
BW_M-75	8.2	9.5	9.9	10.2	10.7
BW_M-76	7.9	11.9	12.7	12.8	12.9
BW_M-90	8.9	11.9	12.7	12.8	13.0
BW_T1-15	7.9	8.9	9.6	9.9	10.4
BW_T1-25	7.4	9.1	9.6	9.9	10.4
<b>Gardens Corner North Basin</b>					
GCN_M-1	5.6	5.6	5.6	5.6	5.6
GCN_M-4	5.6	6.3	7.2	7.6	8.3
GCN_M-15	5.6	6.3	7.2	7.6	8.3
GCN_M-27	5.6	6.3	7.3	7.6	8.3
GCN_M-40	5.6	6.4	7.3	7.7	8.4
<b>Gardens Corner South Basin</b>					
GCS_M-3	5.6	5.6	5.6	5.6	5.6
GCS_M-5	5.6	8.1	9.1	9.2	9.3
GCS_M-12	5.6	8.1	9.1	9.2	9.3
GCS_M-20	6.2	8.1	9.2	9.2	9.3
GCS_M-26	7.4	8.8	9.2	9.3	9.5
<b>Grays Hill North Basin</b>					
GHN_M-14	17.5	17.5	17.5	17.5	17.5
GHN_M-24	29.3	30.1	30.4	30.5	30.7
GHN_M-25	29.9	31.6	32.7	32.7	32.8
GHN_M-35	34.3	35.3	35.5	35.7	35.9
GHN_M-41	35.2	36.1	36.5	36.7	37.0
GHN_M-45	35.1	36.2	36.6	36.8	37.2
GHN_M-46	30.5	36.4	36.7	36.9	37.2

TABLE H-9  
 NODE PEAK WATER SURFACE ELEVATIONS  
 WHALE BRANCH WEST WATERSHED  
 EXISTING LAND USE

ICPR Node ID	Initial Elevation (ft)	Existing Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
GHN_M-48	35.8	38.1	38.3	38.4	38.5
GHN_M-55	37.4	37.7	38.2	38.3	38.4
<b>Huspa Creek North Basin</b>					
HACN_M-5	5.6	5.6	5.6	5.6	5.6
HACN_M-14	5.6	8.5	9.1	9.5	10.0
HACN_M-15	5.9	10.7	11.8	11.9	12.0
HACN_M-25	8.7	10.8	11.8	11.9	12.1
HACN_M-37	10.3	11.6	12.0	12.1	12.2
<b>Huspa Creek South Basin</b>					
HACS_M-3	5.6	5.6	5.6	5.6	5.6
HACS_M-4	5.6	6.8	7.1	7.2	7.4
HACS_M-8	6.8	7.8	8.1	8.2	8.4
HACS_M-9	7.5	9.9	10.1	10.1	10.2
<b>Huspa Creek West Basin</b>					
HACW_M-6	5.6	5.6	5.6	5.6	5.6
HACW_M-7	5.6	8.5	8.8	8.8	9.0
HACW_M-10	5.6	8.6	8.9	9.0	9.3
HACW_M-19	7.6	9.9	10.6	10.9	11.4
<b>Scotts Neck East Basin</b>					
SNE_M-3	5.6	5.6	5.6	5.6	5.6
SNE_M-4	5.6	6.8	7.8	7.9	8.1
SNE_M-13	5.6	6.8	7.8	7.9	8.1

TABLE H-10  
 NODE PEAK WATER SURFACE ELEVATIONS  
 WHALE BRANCH WEST WATERSHED  
 FUTURE LAND USE

ICPR Node ID	Initial Elevation (ft)	Future Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
<b>Brewton West Basin</b>					
BW_M-2	5.6	5.6	5.6	5.6	5.6
BW_M-3	5.6	6.8	7.0	7.1	7.2
BW_M-14	5.6	6.8	7.0	7.1	7.2
BW_M-21	5.6	6.8	7.0	7.1	7.2
BW_M-23	5.6	8.9	9.6	9.9	10.4
BW_M-36	6.8	8.9	9.6	9.9	10.4
BW_M-54	7.5	8.9	9.6	9.9	10.4
BW_M-68	8.4	9.4	9.7	10.0	10.4
BW_M-75	8.2	9.5	9.9	10.2	10.7
BW_M-76	7.9	11.9	12.7	12.8	12.9
BW_M-90	8.9	11.9	12.7	12.8	13.0
BW_T1-15	7.9	8.9	9.6	9.9	10.4
BW_T1-25	7.4	9.1	9.6	9.9	10.4
<b>Gardens Corner North Basin</b>					
GCN_M-1	5.6	5.6	5.6	5.6	5.6
GCN_M-4	5.6	6.4	7.4	7.7	8.4
GCN_M-15	5.6	6.4	7.4	7.7	8.4
GCN_M-27	5.6	6.4	7.4	7.8	8.4
GCN_M-40	5.6	6.5	7.4	7.8	8.5
<b>Gardens Corner South Basin</b>					
GCS_M-3	5.6	5.6	5.6	5.6	5.6
GCS_M-5	5.6	8.2	9.2	9.2	9.4
GCS_M-12	5.6	8.2	9.2	9.2	9.4
GCS_M-20	6.2	8.2	9.2	9.2	9.4
GCS_M-26	7.4	8.8	9.2	9.3	9.5
<b>Grays Hill North Basin</b>					
GHN_M-14	17.5	17.5	17.5	17.5	17.5
GHN_M-24	29.3	30.1	30.4	30.6	30.9
GHN_M-25	29.9	31.6	32.7	32.7	32.9
GHN_M-35	34.3	35.4	35.6	35.7	36.1
GHN_M-41	35.2	36.1	36.5	36.8	37.4
GHN_M-45	35.1	36.2	36.7	36.9	37.6
GHN_M-46	30.5	36.4	36.7	36.9	37.5

TABLE H-10  
 NODE PEAK WATER SURFACE ELEVATIONS  
 WHALE BRANCH WEST WATERSHED  
 FUTURE LAND USE

ICPR Node ID	Initial Elevation (ft)	Future Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
GHN_M-48	35.8	38.1	38.3	38.4	38.6
GHN_M-55	37.4	37.9	38.3	38.3	38.4
<b>Huspa Creek North Basin</b>					
HACN_M-5	5.6	5.6	5.6	5.6	5.6
HACN_M-14	5.6	8.5	9.2	9.6	10.0
HACN_M-15	5.9	10.9	11.8	11.9	12.1
HACN_M-25	8.7	10.9	11.8	11.9	12.1
HACN_M-37	10.3	11.6	12.0	12.1	12.3
<b>Huspa Creek South Basin</b>					
HACS_M-3	5.6	5.6	5.6	5.6	5.6
HACS_M-4	5.6	6.8	7.1	7.2	7.5
HACS_M-8	6.8	7.8	8.1	8.2	8.5
HACS_M-9	7.5	9.9	10.1	10.1	10.2
<b>Huspa Creek West Basin</b>					
HACW_M-6	5.6	5.6	5.6	5.6	5.6
HACW_M-7	5.6	8.5	8.8	8.8	9.0
HACW_M-10	5.6	8.6	8.9	9.1	9.3
HACW_M-19	7.6	9.9	10.6	10.9	11.4
<b>Scotts Neck East Basin</b>					
SNE_M-3	5.6	5.6	5.6	5.6	5.6
SNE_M-4	5.6	6.8	7.8	7.9	8.1
SNE_M-13	5.6	6.8	7.8	7.9	8.1

TABLE H-11  
 NODE PEAK WATER SURFACE ELEVATIONS  
 WHALE BRANCH WEST WATERSHED  
 FUTURE LAND USE WITH PLAN

ICPR Node ID	Initial Elevation (ft)	Future Improved Land Use		
		Improved Location?	25-Year Design Storm	100-Year Design Storm
<b>Brewton West Basin</b>				
BW_M-2	5.6		5.6	5.6
BW_M-3	5.6	Yes	6.3	6.6
BW_M-14	5.6		6.4	6.7
BW_M-21	5.6		6.4	6.7
BW_M-23	5.6		10.2	10.7
BW_M-36	6.8		10.2	10.7
BW_M-54	7.5		10.2	10.7
BW_M-68	8.4		10.2	10.7
BW_M-75	8.2		10.2	10.7
BW_M-76	7.9	Yes	12.4	12.8
BW_M-90	8.9		12.4	12.8
BW_T1-15	7.9		10.2	10.7
BW_T1-25	7.4		10.2	10.7
<b>Gardens Corner North Basin</b>				
GCN_M-1	5.6		5.6	5.6
GCN_M-4	5.6		7.7	8.4
GCN_M-15	5.6		7.7	8.4
GCN_M-27	5.6		7.8	8.4
GCN_M-40	5.6		7.8	8.5
<b>Gardens Corner South Basin</b>				
GCS_M-3	5.6		5.6	5.6
GCS_M-5	5.6	Yes	9.3	10.1
GCS_M-12	5.6		9.3	10.1
GCS_M-20	6.2		9.3	10.1
GCS_M-26	7.4		9.3	10.1
<b>Grays Hill North Basin</b>				
GHN_M-14	17.5		17.5	17.5
GHN_M-24	29.3		30.8	31.0
GHN_M-25	29.9	Yes	32.0	32.7
GHN_M-35	34.3		36.3	36.4
GHN_M-41	35.2		37.0	37.5
GHN_M-45	35.1		37.3	37.7
GHN_M-46	30.5		37.3	37.7

TABLE H-11  
 NODE PEAK WATER SURFACE ELEVATIONS  
 WHALE BRANCH WEST WATERSHED  
 FUTURE LAND USE WITH PLAN

ICPR Node ID	Initial Elevation (ft)	Future Improved Land Use		
		Improved Location?	25-Year Design Storm	100-Year Design Storm
GHN_M-48	35.8	Yes	38.1	38.5
GHN_M-55	37.4		37.8	38.0
<b>Huspa Creek North Basin</b>				
HACN_M-5	5.6		5.6	5.6
HACN_M-14	5.6		9.7	10.0
HACN_M-15	5.9	Yes	11.4	11.8
HACN_M-25	8.7		11.4	11.9
HACN_M-37	10.3		12.1	12.4
<b>Huspa Creek South Basin</b>				
HACS_M-3	5.6		5.6	5.6
HACS_M-4	5.6		7.2	7.4
HACS_M-8	6.8		8.1	8.4
HACS_M-9	7.5	Yes	10.6	11.1
<b>Huspa Creek West Basin</b>				
HACW_M-6	5.6		5.6	5.6
HACW_M-7	5.6	Yes	9.2	9.6
HACW_M-10	5.6		9.3	9.7
HACW_M-19	7.6		11.2	11.4
<b>Scotts Neck East Basin</b>				
SNE_M-3	5.6		5.6	5.6
SNE_M-4	5.6	Yes	7.3	7.8
SNE_M-13	5.6		7.3	7.8

TABLE H-12  
CONDUIT PEAK FLOWS  
WHALE BRANCH WEST WATERSHED  
EXISTING LAND USE

ICPR Conduit ID	Type	Existing Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
<b>Brewton West Basin</b>					
BW_M-1A	Pipe	24	25	26	27
BW_M-1B	Weir	50	144	190	287
BW_M-2	Channel	134	171	218	316
BW_M-3	Channel	179	72	54	59
BW_M-4	Pipe	45	51	54	58
BW_M-5	Channel	200	172	151	137
BW_M-6	Channel	41	95	164	327
BW_M-8	Channel	52	142	252	489
BW_M-9	Channel	44	150	259	500
BW_M-10A	Pipe	21	26	27	27
BW_M-10B	Pipe	21	26	27	27
BW_M-10C	Weir	0	101	212	461
BW_M-11	Channel	125	179	266	512
BW_T1-1	Channel	117	193	224	302
BW_T1-2	Channel	118	250	305	426
<b>Gardens Corner North Basin</b>					
GCN_M-1A	Pipe	64	98	109	130
GCN_M-1B	Pipe	54	84	93	117
GCN_M-1C	Weir	0	0	0	0
GCN_M-2	Channel	120	192	216	264
GCN_M-3	Channel	96	172	204	262
GCN_M-5	Channel	131	266	321	431
<b>Gardens Corner South Basin</b>					
GCS_M-1A	Pipe	130	156	157	160
GCS_M-1B	Weir	0	175	331	656
GCS_M-2	Channel	361	751	596	817
GCS_M-3	Channel	311	323	315	353
GCS_M-4	Channel	165	332	382	457
<b>Grays Hill North Basin</b>					
GHN_M-1	Channel	11	35	51	89
GHN_M-2A	Pipe	11	16	17	18
GHN_M-2B	Weir	0	18	34	71
GHN_M-3	Channel	15	35	51	89
GHN_M-5	Channel	11	35	51	89
GHN_M-7	Channel	11	35	51	89
GHN_M-8A	Pipe	11	11	11	11
GHN_M-8B	Weir	0	24	41	80
GHN_M-9	Channel	5	10	11	14
GHN_M-10A	Pipe	9	10	10	10
GHN_M-10B	Weir	2	31	54	88
<b>Huspa Creek North Basin</b>					
HACN_M-0	Channel	63	126	184	316
HACN_M-1A	Pipe	63	72	72	73
HACN_M-1B	Weir	0	58	119	256
HACN_M-2	Channel	163	203	226	318
HACN_M-3	Channel	179	370	429	541
<b>Huspa Creek South Basin</b>					
HACS_M-1A	Pipe	43	49	50	53
HACS_M-1B	Weir	80	189	234	344



TABLE H-12  
 CONDUIT PEAK FLOWS  
 WHALE BRANCH WEST WATERSHED  
 EXISTING LAND USE

ICPR Conduit ID	Type	Existing Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
HACS_M-2	Channel	123	237	284	397
HACS_M-3A	Pipe	34	36	37	38
HACS_M-3B	Weir	89	201	247	360
<b>Huspa Creek West Basin</b>					
HACW_M-1A	Pipe	103	109	110	114
HACW_M-1B	Weir	89	247	312	441
HACW_M-2	Channel	194	356	423	555
HACW_M-3	Channel	251	357	424	557
<b>Scotts Neck East Basin</b>					
SNE_M-1A	Pipe	51	71	73	75
SNE_M-1B	Weir	0	31	90	220
SNE_M-2	Channel	65	107	164	296

TABLE H-13  
CONDUIT PEAK FLOWS  
WHALE BRANCH WEST WATERSHED  
FUTURE LAND USE

ICPR Conduit ID	Type	Future Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
<b>Brewton West Basin</b>					
BW_M-1A	Pipe	24	25	26	27
BW_M-1B	Weir	50	144	190	287
BW_M-2	Channel	134	171	218	316
BW_M-3	Channel	179	52	54	59
BW_M-4	Pipe	45	51	54	58
BW_M-5	Channel	200	172	151	137
BW_M-6	Channel	41	95	164	326
BW_M-8	Channel	52	142	252	489
BW_M-9	Channel	44	150	259	500
BW_M-10A	Pipe	21	26	27	27
BW_M-10B	Pipe	21	26	27	27
BW_M-10C	Weir	0	101	212	460
BW_M-11	Channel	125	179	266	512
BW_T1-1	Channel	117	193	224	302
BW_T1-2	Channel	118	250	305	426
<b>Gardens Corner North Basin</b>					
GCN_M-1A	Pipe	68	102	112	134
GCN_M-1B	Pipe	57	87	96	120
GCN_M-1C	Weir	0	0	0	0
GCN_M-2	Channel	128	200	225	273
GCN_M-3	Channel	98	175	206	264
GCN_M-5	Channel	137	271	327	437
<b>Gardens Corner South Basin</b>					
GCS_M-1A	Pipe	133	156	157	160
GCS_M-1B	Weir	0	211	373	713
GCS_M-2	Channel	402	691	575	875
GCS_M-3	Channel	317	324	319	377
GCS_M-4	Channel	184	356	408	481
<b>Grays Hill North Basin</b>					
GHN_M-1	Channel	16	67	91	143
GHN_M-2A	Pipe	15	18	18	18
GHN_M-2B	Weir	1	50	73	125
GHN_M-3	Channel	19	67	91	143
GHN_M-5	Channel	19	67	91	143
GHN_M-7	Channel	19	67	91	144
GHN_M-8A	Pipe	11	11	11	11
GHN_M-8B	Weir	8	58	82	135
GHN_M-9	Channel	25	11	14	19
GHN_M-10A	Pipe	10	10	10	10
GHN_M-10B	Weir	11	73	86	95
<b>Huspa Creek North Basin</b>					
HACN_M-0	Channel	65	140	201	340
HACN_M-1A	Pipe	65	72	72	73
HACN_M-1B	Weir	0	73	138	281
HACN_M-2	Channel	171	205	237	343
HACN_M-3	Channel	196	389	452	564
<b>Huspa Creek South Basin</b>					
HACS_M-1A	Pipe	44	50	51	53
HACS_M-1B	Weir	92	217	266	365

TABLE H-13  
 CONDUIT PEAK FLOWS  
 WHALE BRANCH WEST WATERSHED  
 FUTURE LAND USE

ICPR Conduit ID	Type	Future Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
HACS_M-2	Channel	137	267	318	418
HACS_M-3A	Pipe	34	37	38	38
HACS_M-3B	Weir	103	230	280	381
<b>Huspa Creek West Basin</b>					
HACW_M-1A	Pipe	103	109	111	114
HACW_M-1B	Weir	96	256	321	452
HACW_M-2	Channel	200	365	432	566
HACW_M-3	Channel	254	366	433	567
<b>Scotts Neck East Basin</b>					
SNE_M-1A	Pipe	51	71	73	75
SNE_M-1B	Weir	0	33	95	223
SNE_M-2	Channel	65	109	169	299

TABLE H-14  
 CONDUIT PEAK FLOWS  
 WHALE BRANCH WEST WATERSHED  
 FUTURE LAND USE WITH PLAN

ICPR Conduit ID	Type	Future Improved Land Use		
		Improved Conduit?	25-Year Design Storm	100-Year Design Storm
<b>Brewton West Basin</b>				
BW_M-1A	Pipe	Yes	216	254
BW_M-1B	Weir		0	7
BW_M-2	Channel		227	274
BW_M-3	Channel		65	71
BW_M-4	Pipe		65	68
BW_M-5	Channel		165	156
BW_M-6	Channel		176	277
BW_M-8	Channel		223	391
BW_M-9	Channel		224	406
BW_M-10A	Pipe	Yes	225	259
BW_M-10B	Pipe	Yes	0	155
BW_M-10C	Weir		N/A	N/A
BW_M-11	Channel		308	414
BW_T1-1	Channel		198	277
BW_T1-2	Channel		303	423
<b>Gardens Corner North Basin</b>				
GCN_M-1A	Pipe		113	134
GCN_M-1B	Pipe		96	120
GCN_M-1C	Weir		0	0
GCN_M-2	Channel		235	273
GCN_M-3	Channel		194	264
GCN_M-5	Channel		318	437
<b>Gardens Corner South Basin</b>				
GCS_M-1A	Pipe	Yes	317	350
GCS_M-1B	Weir		0	0
GCS_M-2	Channel		437	533
GCS_M-3	Channel		354	346
GCS_M-4	Channel		394	513
<b>Grays Hill North Basin</b>				
GHN_M-1	Channel		96	168
GHN_M-2A	Pipe	Yes	96	129
GHN_M-2B	Weir		0	39
GHN_M-3	Channel		97	171
GHN_M-5	Channel		95	168
GHN_M-7	Channel		96	168
GHN_M-8A	Pipe		96	103
GHN_M-8B	Weir		0	76
GHN_M-9	Channel		13	38
GHN_M-10A	Pipe	Yes	11	11
GHN_M-10B	Weir		119	228
<b>Huspa Creek North Basin</b>				
HACN_M-0	Channel		229	324
HACN_M-1A	Pipe	Yes	229	240
HACN_M-1B	Weir		0	88
HACN_M-2	Channel		303	382
HACN_M-3	Channel		427	568
<b>Huspa Creek South Basin</b>				
HACS_M-1A	Pipe		49	52
HACS_M-1B	Weir		202	309

TABLE H-14  
 CONDUIT PEAK FLOWS  
 WHALE BRANCH WEST WATERSHED  
 FUTURE LAND USE WITH PLAN

ICPR Conduit ID	Type	Future Improved Land Use		
		Improved Conduit?	25-Year Design Storm	100-Year Design Storm
HACS_M-2	Channel		251	362
HACS_M-3A	Pipe	Yes	251	295
HACS_M-3B	Weir		0	68
<b>Huspa Creek West Basin</b>				
HACW_M-1A	Pipe	Yes	424	473
HACW_M-1B	Weir		0	76
HACW_M-2	Channel		430	550
HACW_M-3	Channel		456	694
<b>Scotts Neck East Basin</b>				
SNE_M-1A	Pipe	Yes	172	202
SNE_M-1B	Weir		0	38
SNE_M-2	Channel		196	241

**Road overtopping at Tomotley Plantation Road**  
**Replace existing 1 - 24"x27" box culvert with 2 - 5'x4' box culverts**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$ 5,000.00	1	\$ 5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$ 2,500.00	1	\$ 2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$ 685.00	30	\$ 20,600.00
D. Apron	EA	\$ 2,060.00	2	\$ 4,100.00
E. Wingwalls and Parapet	EA	\$ 3,480.00	2	\$ 7,000.00
F. Road Fill and Compaction	CY	\$ 10.00	0	\$ -
G. Remove and Replace Pavement	SY	\$ 50.00	103	\$ 5,200.00
H. Curb and Gutter	LF	\$ 15.00	62	\$ 900.00
	<b>Subtotal</b>			<b>\$ 45,000.00</b>
	Contingency (20% of subtotal)			\$ 9,000.00
	Engineering/Legal/Administrative (12% of subtotal)			\$ 5,400.00
	<b>Total</b>			<b>\$ 59,000.00</b>

**Road overtopping at Old Sheldon Church Road**  
**Replace existing 2 - 24" CMP with 2 - 6'x4' box culverts**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$ 5,000.00	1	\$ 5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$ 2,500.00	1	\$ 2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$ 1,000.00	60	\$ 60,000.00
D. Apron	EA	\$ 3,000.00	2	\$ 6,000.00
E. Wingwalls and Parapet	EA	\$ 6,200.00	2	\$ 12,400.00
F. Road Fill and Compaction	CY	\$ 10.00	0	\$ -
G. Remove and Replace Pavement	SY	\$ 50.00	110	\$ 5,500.00
H. Curb and Gutter	LF	\$ 15.00	66	\$ 1,000.00
	<b>Subtotal</b>			<b>\$ 92,000.00</b>
	Contingency (20% of subtotal)			\$ 18,400.00
	Engineering/Legal/Administrative (12% of subtotal)			\$ 11,000.00
	<b>Total</b>			<b>\$ 121,000.00</b>

**Road overtopping at Trask Parkway**  
**Replace existing 1 - 48" RCP with 1 - 10'x6' box culvert**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$ 5,000.00	1	\$ 5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$ 2,500.00	1	\$ 2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$ 1,240.00	160	\$ 198,400.00
D. Apron	EA	\$ 3,770.00	2	\$ 7,500.00
E. Wingwalls and Parapet	EA	\$ 4,420.00	2	\$ 8,800.00
F. Road Fill and Compaction	CY	\$ 10.00	0	\$ -
G. Remove and Replace Pavement	SY	\$ 50.00	200	\$ 10,000.00
H. Curb and Gutter	LF	\$ 15.00	120	\$ 1,800.00
	<b>Subtotal</b>			<b>\$ 234,000.00</b>
	Contingency (20% of subtotal)			\$ 46,800.00
	Engineering/Legal/Administrative (12% of subtotal)			\$ 28,100.00
	<b>Total</b>			<b>\$ 309,000.00</b>



**Road overtopping at Jonesfield Road**  
**Replace existing 1 - 24" CMP with 1 - 8'x4' box culvert**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$ 5,000.00	1	\$ 5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$ 2,500.00	1	\$ 2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$ 710.00	60	\$ 42,600.00
D. Apron	EA	\$ 2,100.00	2	\$ 4,200.00
E. Wingwalls and Parapet	EA	\$ 4,000.00	2	\$ 8,000.00
F. Road Fill and Compaction	CY	\$ 10.00	0	\$ -
G. Remove and Replace Pavement	SY	\$ 50.00	93	\$ 4,700.00
H. Curb and Gutter	LF	\$ 15.00	56	\$ 800.00
	<b>Subtotal</b>			<b>\$ 68,000.00</b>
	Contingency (20% of subtotal)			\$ 13,600.00
	Engineering/Legal/Administrative (12% of subtotal)			\$ 8,200.00
	<b>Total</b>			<b>\$ 90,000.00</b>

**Road overtopping at Clarendon Road**  
**Replace existing 1 - 18" RCP with 4 - 30" RCP**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$ 5,000.00	1	\$ 5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$ 2,500.00	1	\$ 2,500.00
C. Culvert Construction (includes excavation & backfill)	LF	\$ 140.00	60	\$ 8,400.00
D. Beveled End Section	EA	\$ 700.00	8	\$ 5,600.00
E. Road Fill and Compaction	CY	\$ 10.00	0	\$ -
F. Remove and Replace Pavement	SY	\$ 50.00	120	\$ 6,000.00
G. Curb and Gutter	LF	\$ 15.00	72	\$ 1,100.00
	<b>Subtotal</b>			<b>\$ 29,000.00</b>
	Contingency (20% of subtotal)			\$ 5,800.00
	Engineering/Legal/Administrative (12% of subtotal)			\$ 3,500.00
	<b>Total</b>			<b>\$ 38,000.00</b>

**Road overtopping at Old Sheldon Church Road**  
**Replace existing 1 - 36" RCP with 1 - 7'x4' box culvert**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$ 5,000.00	1	\$ 5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$ 2,500.00	1	\$ 2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$ 720.00	40	\$ 28,800.00
D. Apron	EA	\$ 2,040.00	2	\$ 4,100.00
E. Wingwalls and Parapet	EA	\$ 3,090.00	2	\$ 6,200.00
F. Road Fill and Compaction	CY	\$ 10.00	0	\$ -
G. Remove and Replace Pavement	SY	\$ 50.00	120	\$ 6,000.00
H. Curb and Gutter	LF	\$ 15.00	54	\$ 800.00
	<b>Subtotal</b>			<b>\$ 53,000.00</b>
	Contingency (20% of subtotal)			\$ 10,600.00
	Engineering/Legal/Administrative (12% of subtotal)			\$ 6,400.00
	<b>Total</b>			<b>\$ 70,000.00</b>

**Road overtopping at Paige Point Road**  
**Replace existing 1 - 30" RCP with 2 - 6'x4' box culverts**  
**Raise road 1.5 ft (length of 690 ft)**

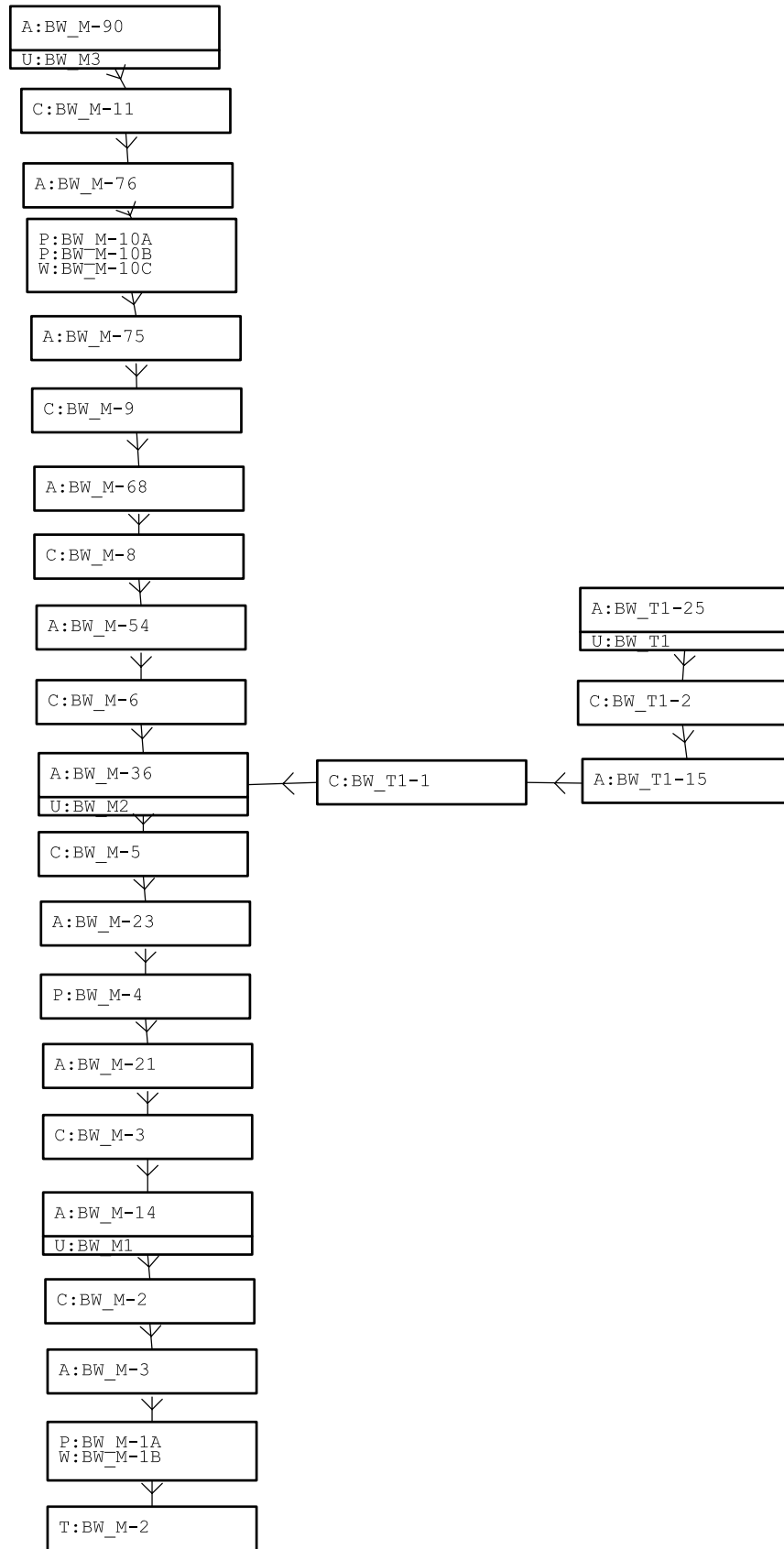
	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$ 5,000.00	1	\$ 5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$ 2,500.00	1	\$ 2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$ 1,000.00	40	\$ 40,000.00
D. Apron	EA	\$ 3,000.00	2	\$ 6,000.00
E. Wingwalls and Parapet	EA	\$ 6,200.00	2	\$ 12,400.00
F. Road Fill and Compaction	CY	\$ 10.00	1,325	\$ 13,200.00
G. Remove and Replace Pavement	SY	\$ 50.00	2,300	\$ 115,000.00
H. Curb and Gutter	LF	\$ 15.00	1,380	\$ 20,700.00
	<b>Subtotal</b>			<b>\$ 215,000.00</b>
	Contingency (20% of subtotal)			\$ 43,000.00
	Engineering/Legal/Administrative (12% of subtotal)			\$ 25,800.00
	<b>Total</b>			<b>\$ 284,000.00</b>

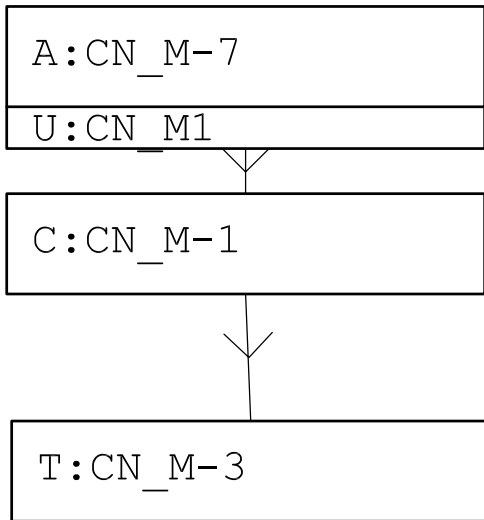
**Road overtopping at Huspah Court South**  
**Replace existing 1 - 48" RCP with 1 - 12'x6' box culvert**  
**Raise road 1.5 ft (length of 460 ft)**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$ 5,000.00	1	\$ 5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$ 2,500.00	1	\$ 2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$ 1,375.00	55	\$ 75,600.00
D. Apron	EA	\$ 2,650.00	2	\$ 5,300.00
E. Wingwalls and Parapet	EA	\$ 2,900.00	2	\$ 5,800.00
F. Road Fill and Compaction	CY	\$ 10.00	820	\$ 8,200.00
G. Remove and Replace Pavement	SY	\$ 50.00	1,533	\$ 76,700.00
H. Curb and Gutter	LF	\$ 15.00	920	\$ 13,800.00
	<b>Subtotal</b>			<b>\$ 193,000.00</b>
	Contingency (20% of subtotal)			\$ 38,600.00
	Engineering/Legal/Administrative (12% of subtotal)			\$ 23,200.00
	<b>Total</b>			<b>\$ 255,000.00</b>

**Road overtopping at Water Park Road**  
**Replace existing 1 - 48"x24" box culvert with 4 - 36" RCP**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$ 5,000.00	1	\$ 5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$ 2,500.00	1	\$ 2,500.00
C. Culvert Construction (includes excavation & backfill)	LF	\$ 160.00	30	\$ 4,800.00
D. Beveled End Section	EA	\$ 800.00	8	\$ 6,400.00
E. Road Fill and Compaction	CY	\$ 10.00	0	\$ -
F. Remove and Replace Pavement	SY	\$ 50.00	127	\$ 6,300.00
G. Curb and Gutter	LF	\$ 15.00	76	\$ 1,100.00
	<b>Subtotal</b>			<b>\$ 26,000.00</b>
	Contingency (20% of subtotal)			\$ 5,200.00
	Engineering/Legal/Administrative (12% of subtotal)			\$ 3,100.00
	<b>Total</b>			<b>\$ 34,000.00</b>







A:GCN\_M-40

U:GCN\_M2

C:GCN\_M-5

A:GCN\_M-27

C:GCN\_M-3

A:GCN\_M-15

U:GCN\_M1

C:GCN\_M-2

A:GCN\_M-4

P:GCN\_M-1A  
P:GCN\_M-1B  
W:GCN\_M-1C

T:GCN\_M-1

A:GCS\_M-26  
U:GCS\_M2

C:GCS\_M-4

A:GCS\_M-20

C:GCS\_M-3

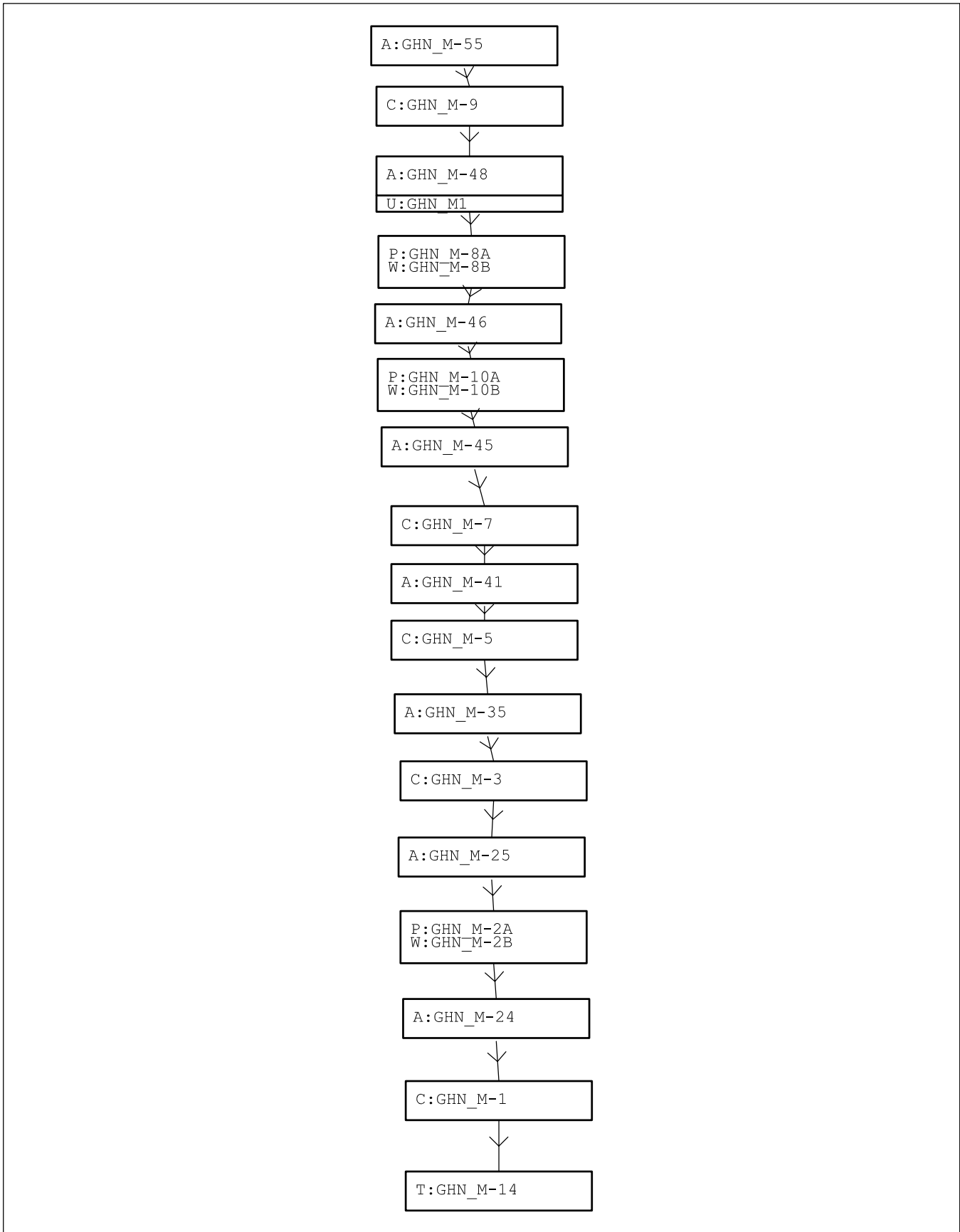
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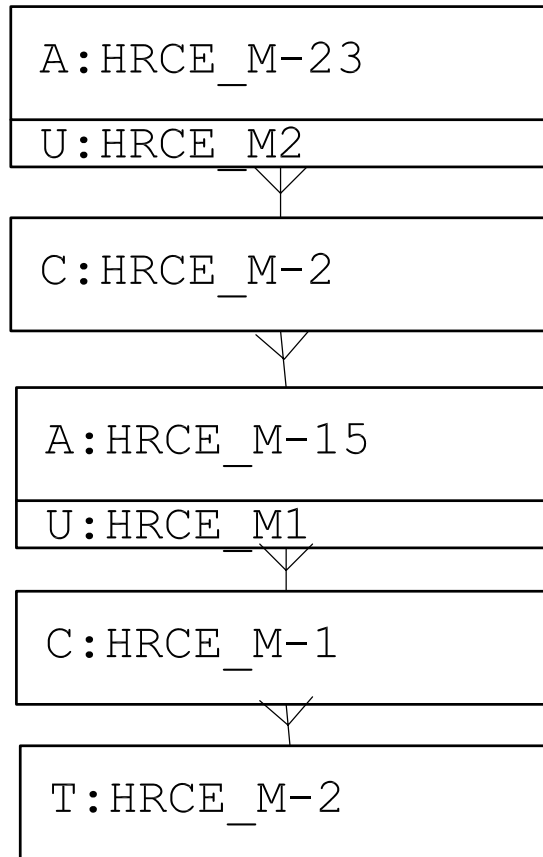
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A:GCS\_M-5

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T:GCS\_M-3





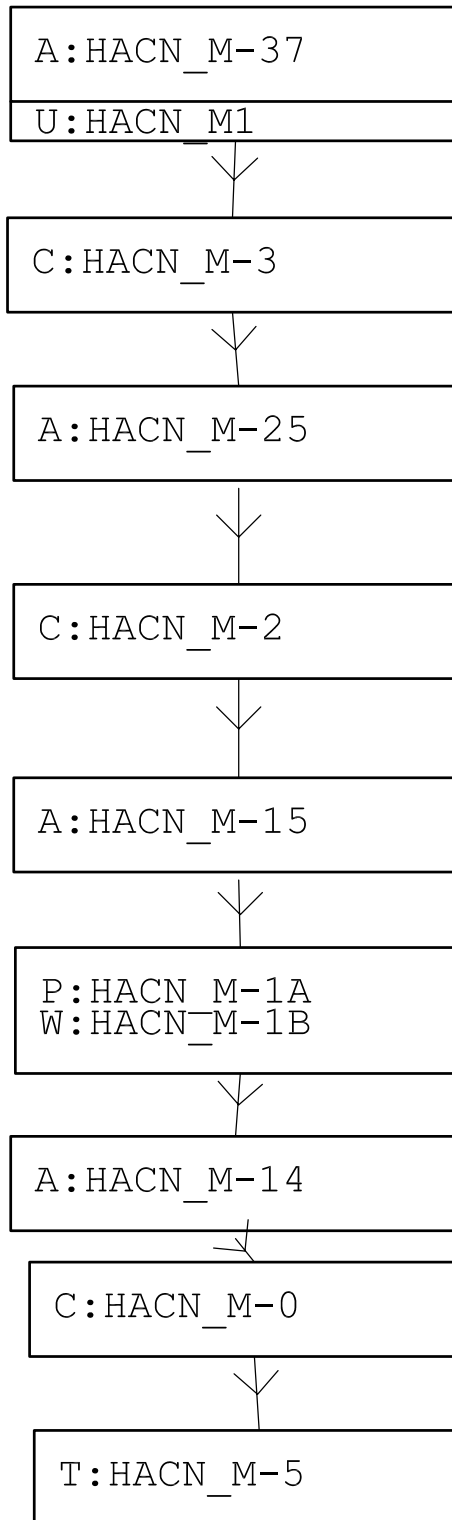
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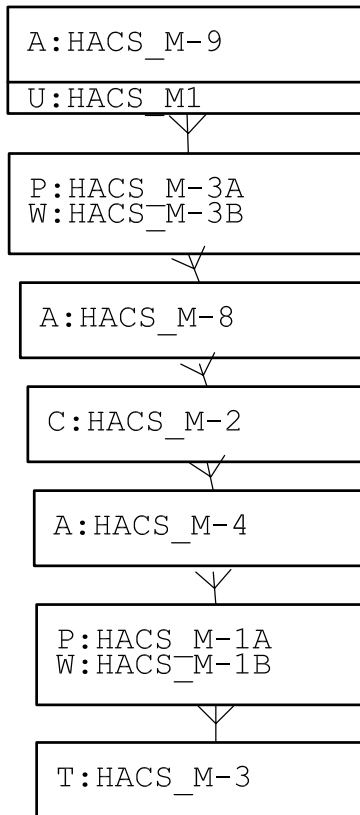


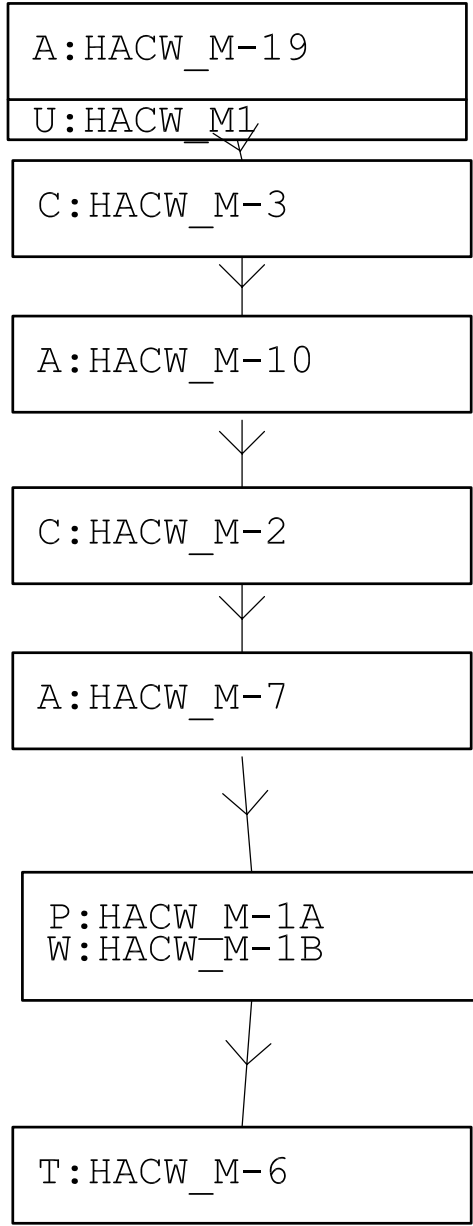
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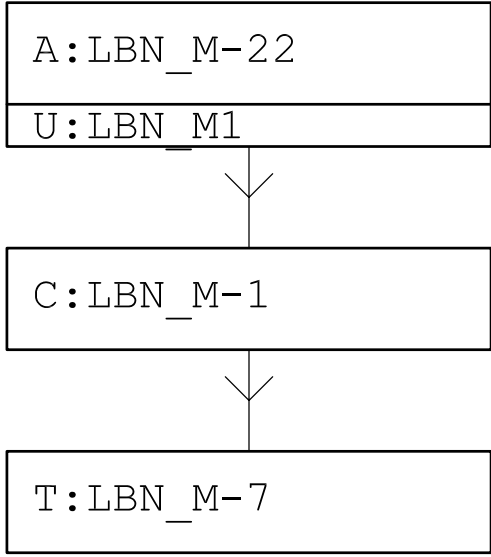
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A : SNE \_ M-13

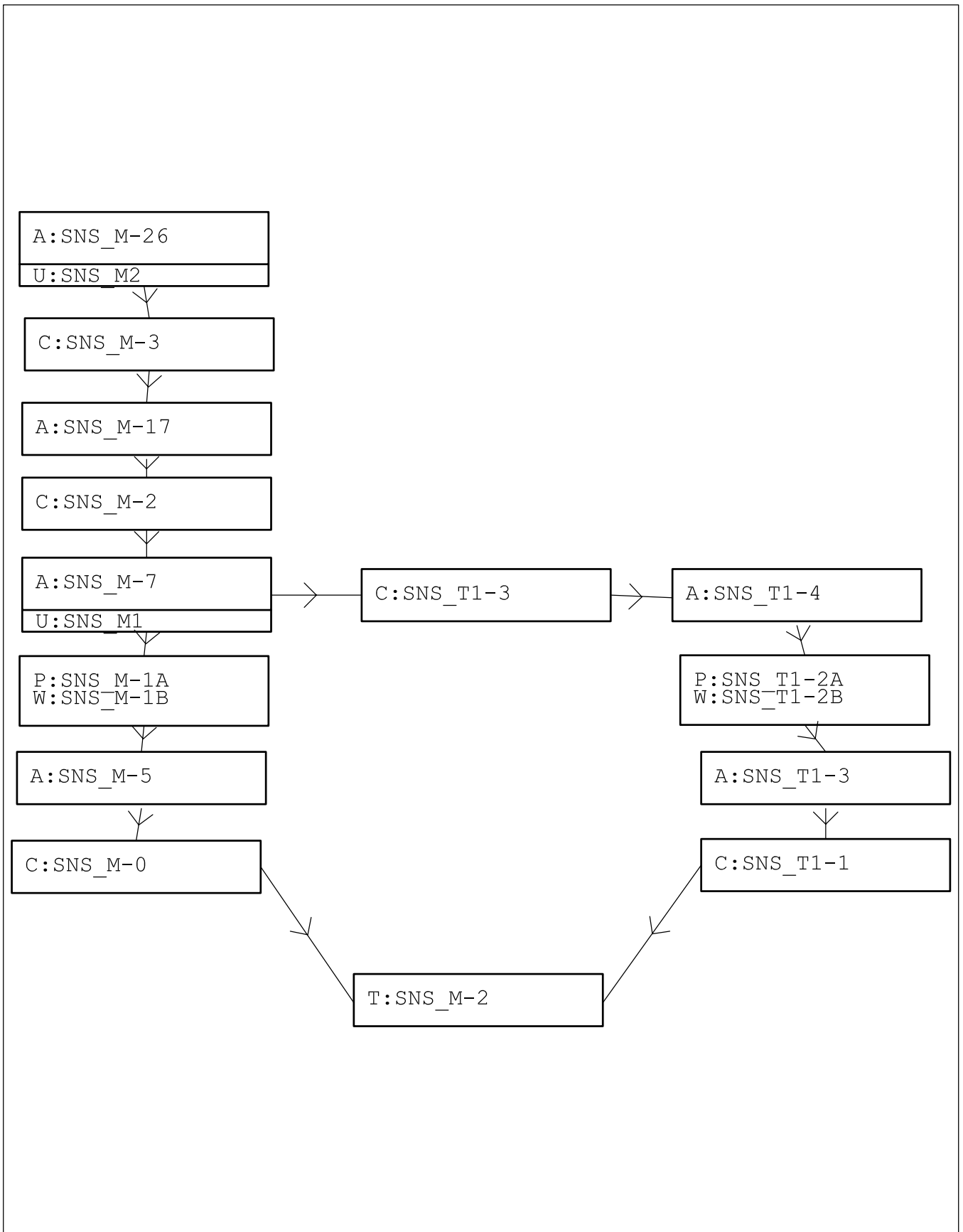
U : SNE \_ M1

C : SNE \_ M-2

A : SNE \_ M-4

P : SNE \_ M-1A  
W : SNE \_ M-1B

T : SNE \_ M-3

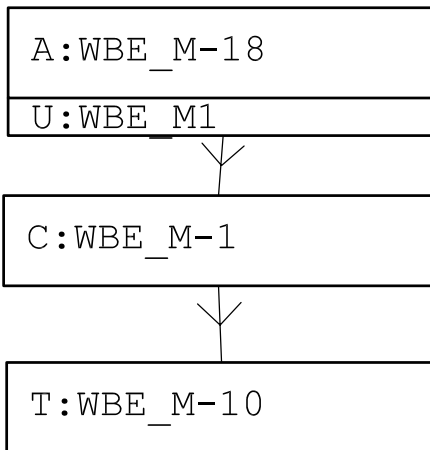


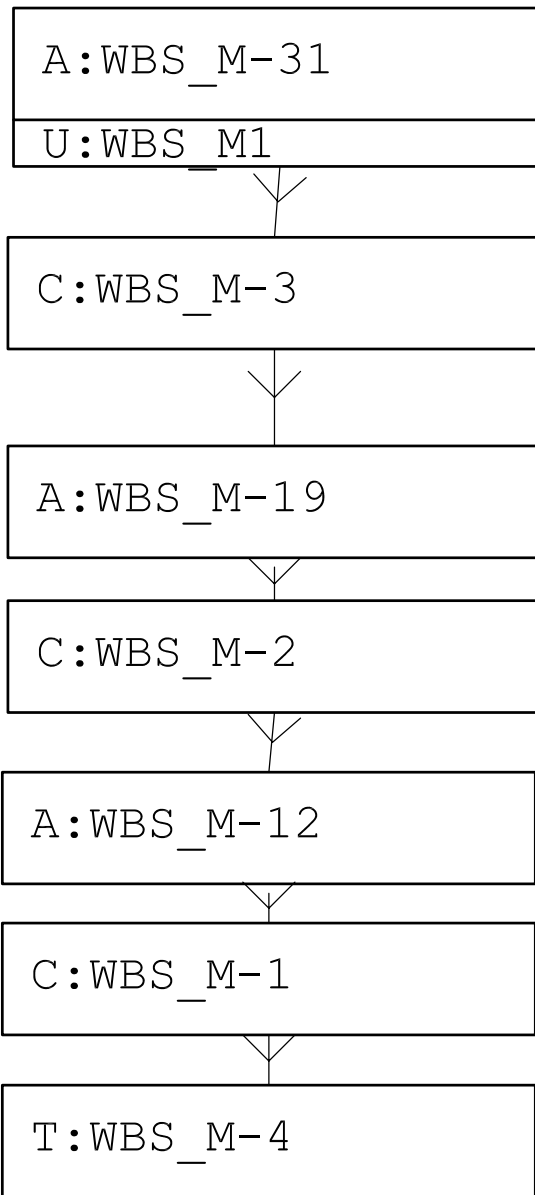
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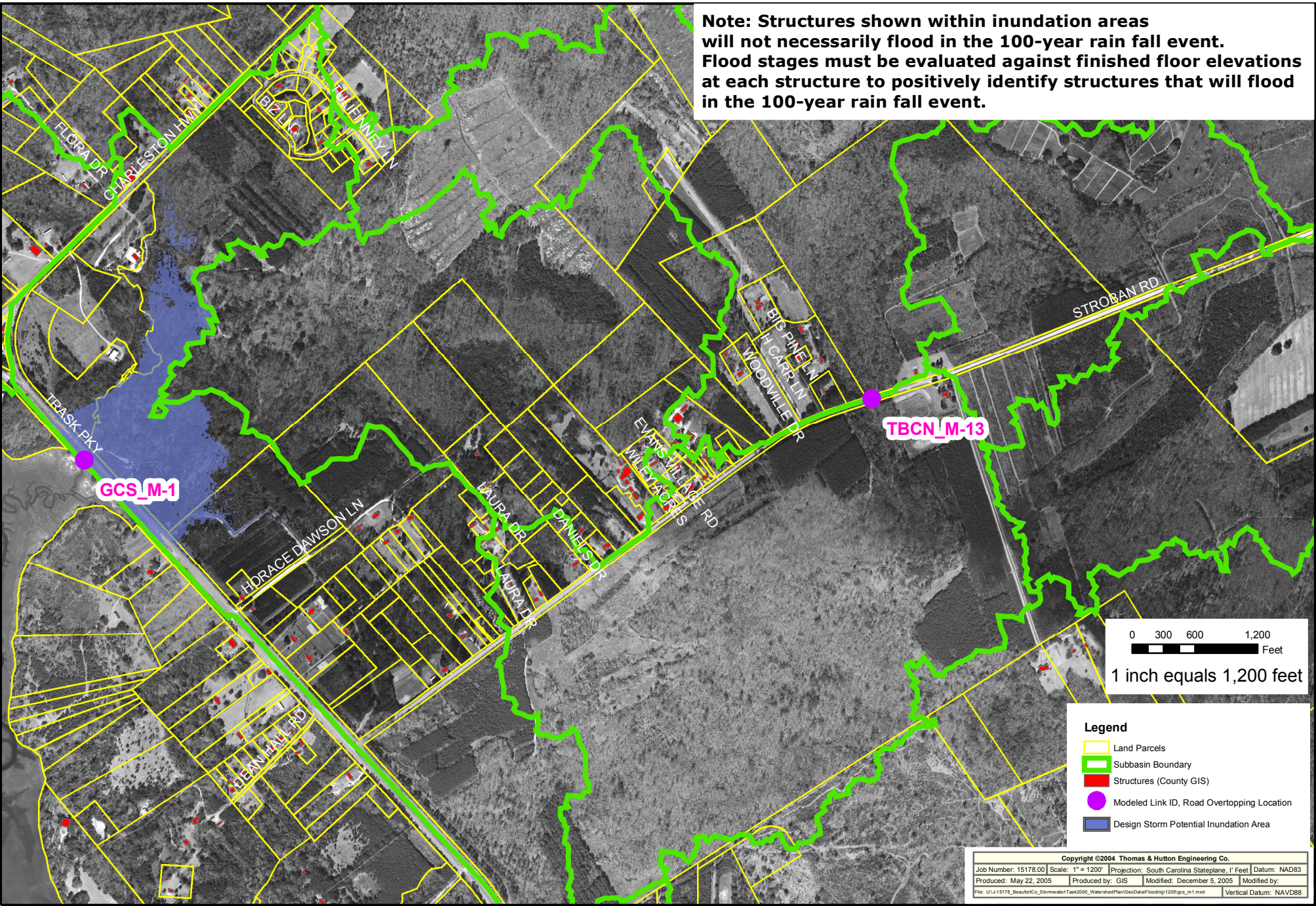
T:SN\_M-6







**Note: Structures shown within inundation areas will not necessarily flood in the 100-year rain fall event. Flood stages must be evaluated against finished floor elevations at each structure to positively identify structures that will flood in the 100-year rain fall event.**



0 300 600 1,200  
Feet  
1 inch equals 1,200 feet

- Legend**
- Land Parcels
  - Subbasin Boundary
  - Structures (County GIS)
  - Modeled Link ID, Road Overlapping Location
  - Design Storm Potential Inundation Area

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Job Number: 15178.00	Scale: 1" = 1200'	Projection: South Carolina Stateplane, 1' Feet	Datum: NAD83
Produced: May 22, 2005	Produced by: GIS	Modified: December 5, 2005	Modified by:
File: U:\1-15178_BeaufortCo_SbrmwaterTask2000_WatershedPlan\GeoData\Flooding\1209\gcs_m1.mxd			Vertical Datum: NAVD88

**THOMAS & HUTTON ENGINEERING CO.**  
50 PARK OF COMMERCE WAY  
SAVANNAH, GEORGIA 31405  
(912) 234-5300

# Modeled 100-Year Design Storm Potential Inundation Area Whale Branch West Watershed - Gardens Corner South Basin

Figure H-1

**CDM** Camp Dresser & McKee Inc.

**Disclaimer**  
Thomas & Hutton Engineering Co. compiled the map information only from the following sources:

DATA	SOURCE	DATE
Parcels	Beaufort County	2005
Aerial Photography	Beaufort County	2002
Buildings	Beaufort County	2005

Thomas & Hutton used the above data "as is", and has made no independent investigation of the data nor makes any representation as to the accuracy or completeness of the data. Please see each source for available documentation of the respective data sets.

DATA	SOURCE	DATE
Subbasins	T&H / CDM	2004
Design Storm Potential Inundation Area	T&H / CDM	2005



## Appendix I

2018 Updated Supporting Data for  
Morgan River Watershed



**Morgan Land Use and Curve Number Comparison Table**

<b>Basin Name</b>	<b>Basin ID</b>	<b>2003 CN</b>	<b>CN FUTURE</b>	<b>Percent Change in Land Use (2003 to 2016)</b>	<b>2016 CN</b>	<b>Curve Number Change (2016 - 2003)</b>
Coffin Creek	CNC_M1	73.6	76.8	0.0%	73.5	-0.1
Coffin Creek	CNC_M2	73.3	79.7	4.9%	73.2	-0.2
Factory Creek	FC_M1	72.6	74.6	11.0%	73.3	0.7
Factory Creek	FC_M2	78.5	80.5	8.9%	79.1	0.6
Lucy Point	LP_M1	77.0	77.7	6.2%	77.2	0.2
Rock Springs Creek	RSC_M1	77.5	78.6	6.3%	78.0	0.4
Rock Springs Creek	RSC_M2	81.3	81.8	0.1%	81.3	0.0
Village Creek	VC_M1	79.1	81.2	21.1%	71.6	-7.5
Village Creek	VC_M2	76.6	78.6	8.3%	76.6	0.0
Village Creek	VC_T1	69.6	73.6	8.6%	72.0	2.4
Village Creek	VC_T2	71.2	75.8	33.7%	70.9	-0.3

2018 UPDATE - NODE PEAK WATER SURFACE ELEVATIONS (FT, NAVD88)  
MORGAN RIVER WATERSHED

ICPR Node ID	2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
Coffin Creek Basin				
CNC_M-22	5.7	5.8	5.8	5.8
Factory Creek Basin				
FC_M-23	10.0	10.1	10.1	10.1
FC_M-62	11.9	11.9	11.8	11.7
Lucy Point Basin				
LP_M-25	18.0	18.3	18.4	18.4
Rock Springs Creek Basin				
RSC_M-21	17.9	18.7	18.7	18.7
RSC_M-5	12.3	13.7	13.7	13.7
Village Creek Basin				
VC_T1-35	17.2	18.5	18.8	19.4

**Morgan****Road overtopping at Langford Road****Replace existing 1 - 24" RCP with 1 - 8'x4' box culvert****Raise road 1.1 ft (length of 620 ft)**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$710.00	20	\$14,200.00
D. Apron	EA	\$2,100.00	2	\$4,200.00
E. Wingwalls & Parapet	EA	\$4,000.00	2	\$8,000.00
F. Road Fill and Compaction	CY	\$10.00	9,517	\$95,200.00
G. Remove and Replace Pavement	SY	\$50.00	62	\$3,100.00
H. Curb and Gutter	LF	\$15.00	56	\$800.00
	<b>Subtotal</b>			<b>\$133,000.00</b>
	Contingency (20% of subtotal)			\$26,600.00
	Engineering/Legal/Administrative (12% of subtotal)			\$16,000.00
	<b>Total</b>			<b>\$176,000.00</b>
	<b>Adjusted for January 2018 Dollars</b>			<b>\$267,000.00</b>

**Road overtopping at Holly Hall Road****Replace existing 1 - 24" RCP with 3 - 8'x4" box culverts**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$1,825.00	40	\$73,000.00
D. Apron	EA	\$4,630.00	2	\$9,300.00
E. Wingwalls & Parapet	EA	\$5,800.00	2	\$11,600.00
F. Road Fill and Compaction	CY	\$10.00	0	-
G. Remove and Replace Pavement	SY	\$50.00	204	\$10,200.00
H. Curb and Gutter	LF	\$15.00	92	\$1,400.00
	<b>Subtotal</b>			<b>\$113,000.00</b>
	Contingency (20% of subtotal)			\$22,600.00
	Engineering/Legal/Administrative (12% of subtotal)			\$13,600.00
	<b>Total</b>			<b>\$149,000.00</b>
	<b>Adjusted for January 2018 Dollars</b>			<b>\$226,000.00</b>

**Morgan****Road overtopping at Sams Point Road****Replace existing 1 - 36" RCP with 1 - 8'x6' box culvert**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$750.00	40	\$30,000.00
D. Apron	EA	\$2,470.00	2	\$4,900.00
E. Wingwalls & Parapet	EA	\$4,100.00	2	\$8,200.00
F. Road Fill and Compaction	CY	\$10.00	0	-
G. Remove and Replace Pavement	SY	\$50.00	124	\$6,200.00
H. Curb and Gutter	LF	\$15.00	56	\$800.00
<b>Subtotal</b>				<b>\$58,000.00</b>
Contingency (20% of subtotal)				\$11,600.00
Engineering/Legal/Administrative (12% of subtotal)				\$7,000.00
<b>Total</b>				<b>\$77,000.00</b>
<b>Adjusted for January 2018 Dollars</b>				<b>\$117,000.00</b>

**Road overtopping at Wade Hampton Drive****Replace existing 1 - 24" RCP with 1 - 8'x4' box culvert**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$5,000.00	1	\$5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$2,500.00	1	\$2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$710.00	40	\$28,400.00
D. Apron	EA	\$2,100.00	2	\$4,200.00
E. Wingwalls & Parapet	EA	\$4,000.00	2	\$8,000.00
F. Road Fill and Compaction	CY	\$10.00	0	-
G. Remove and Replace Pavement	SY	\$50.00	124	\$6,200.00
H. Curb and Gutter	LF	\$15.00	56	\$800.00
<b>Subtotal</b>				<b>\$55,000.00</b>
Contingency (20% of subtotal)				\$11,000.00
Engineering/Legal/Administrative (12% of subtotal)				\$6,600.00
<b>Total</b>				<b>\$73,000.00</b>
<b>Adjusted for January 2018 Dollars</b>				<b>\$111,000.00</b>

## Appendix J

### 2006 Supporting Data for Broad Creek Watershed

TABLE J-1  
CHANNEL INPUT DATA  
BROAD RIVER WATERSHED

ICPR Channel ID	Length (ft)	Maximum Depth (ft)	Top Width (ft)	Manning's n
<b>Baynard Basin</b>				
BD_M-2	149	5.8	1,265	0.035
BD_M-4	932	4.7	1,008	0.035
BD_M-5	689	5.7	1,900	0.035
<b>Brays Island East Basin</b>				
BIE_M-2	1,336	14.0	2,885	0.070
<b>Broad River Blvd. Basin</b>				
BRB_M-2	437	8.3	985	0.035
BRB_M-4	1,300	9.7	510	0.035
BRB_M-5	768	7.5	480	0.035
BRB_M-6	1,005	11.7	2,323	0.035
BRB_M-7	1,077	7.2	1,216	0.035
BRB_M-8	327	7.3	1,834	0.035
<b>Habersham Creek North Basin</b>				
HCN_M-1	725	10.1	1,095	0.070
HCN_M-2	1,632	15.0	930	0.035
HCN_M-3	867	5.4	485	0.035
HCN_M-5	979	11.6	1,305	0.070
HCN_M-6	516	11.3	2,010	0.035
HCN_M-7	2,951	5.5	1,285	0.035
HCN_M-8	1,166	8.2	1,455	0.070
HCN_M-9	1,062	5.6	1,720	0.070
HCN_T1-1	1,872	5.0	1,055	0.035
HCN_T1-2	662	9.7	725	0.035
<b>Habersham Creek West Basin</b>				
HCW_M-1	1,561	15.3	657	0.070
<b>Laurel Bay South Basin</b>				
LBS_M-2A	1,004	14.0	742	0.070
LBS_M-4	1,103	16.9	745	0.070
LBS_M-5	583	21.6	850	0.035
LBS_M-7	1,159	20.0	910	0.035
LBS_M-8	1,129	17.2	835	0.035
LBS_M-10	557	15.4	535	0.070
LBS_M-11	842	17.3	740	0.035
LBS_M-13	1,203	9.6	885	0.070
LBS_M-14	1,307	12.0	710	0.035

LBS_M-15	868	11.0	890	0.035
LBS_M-16	459	7.3	295	0.035
LBS_M-18	961	10.0	885	0.035
LBS_M-19	512	9.0	485	0.035
LBS_M-22	958	11.1	1,551	0.035
LBS_M-23	1,104	11.2	910	0.035
LBS_M-24	453	9.4	1,245	0.035
LBS_M-26	1,051	6.5	2,256	0.035
LBS_M-27	1,012	13.5	6,035	0.035
<b>Scotts Neck North Basin</b>				
SNN_M-2	1,064	10.6	2,630	0.070
SNN_M-3	1,244	14.5	1,775	0.070
SNN_M-4	418	15.2	1,595	0.070
<b>Tomotley Basin</b>				
TY_M-2	1,280	12.4	2,295	0.070
TY_M-3	1,013	13.9	2,795	0.070
TY_M-4	586	12.1	2,490	0.035
TY_M-6	2,241	9.8	2,175	0.070
TY_M-7	927	10.7	2,085	0.070
TY_M-9	1,795	6.7	1,900	0.070
TY_T1-0	2,004	7.0	1,670	0.070
TY_T1-1	1,153	4.6	1,070	0.070
TY_T1-2	1,179	6.9	1,030	0.035
TY_T1-3	705	5.6	355	0.070
<b>Yemassee West Basin</b>				
YW_M-1	1,466	13.3	3,105	0.070
YW_M-2	879	8.7	2,965	0.070
YW_M-4	1,267	9.3	2,775	0.070
YW_M-5	671	14.8	3,150	0.035
YW_M-7	1,502	13.5	2,635	0.035
YW_M-8	1,265	9.8	2,700	0.035
YW_M-9	1,203	8.3	1,995	0.070
YW_M-10	1,068	10.1	3,480	0.035
YW_T1-1	2,718	6.3	1,660	0.070
YW_T1-2	1,502	4.8	1,770	0.070
YW_T1-3	1,169	5.2	810	0.070
YW_T1-4	650	5.7	1,135	0.070

TABLE J-2  
WEIR INPUT DATA  
BROAD RIVER WATERSHED

ICPR Weir ID	Type	Crest Elevation (ft)	Geometry	Span (ft)	Rise (ft)
<b>Baynard Basin</b>					
BD_M-1D	Paved Road	7.5	Irregular	407	N/A
BD_M-3B	Paved Road	6.0	Irregular	536	N/A
<b>Brays Island East Basin</b>					
BIE_M-1B	Paved Road	8.0	Irregular	605	N/A
<b>Broad River Blvd. Basin</b>					
BRB_M-1C	Paved Road	11.0	Irregular	834	N/A
BRB_M-3C	Paved Road	7.8	Irregular	821	N/A
BRB_M-9B	Paved Road	12.3	Irregular	1,956	N/A
<b>Habersham Creek North Basin</b>					
HCN_M-0C	Paved Road	8.6	Irregular	1,180	N/A
HCN_M-4G	Paved Road	9.5	Irregular	480	N/A
HCN_T1-3C	Paved Road	13.0	Irregular	771	N/A
<b>Habersham Creek West Basin</b>					
HCW_M-2B	Paved Road	10.0	Irregular	819	N/A
<b>Laurel Bay South Basin</b>					
LBS_M-1B	Paved Road	8.8	Irregular	540	N/A
LBS_M-3B	Gravel Road	14.1	Irregular	709	N/A
LBS_M-6C	Paved Road	16.4	Irregular	889	N/A
LBS_M-9C	Paved Road	23.6	Irregular	823	N/A
LBS_M-12C	Paved Road	26.4	Irregular	846	N/A
LBS_M-17B	Paved Road	29.2	Irregular	334	N/A
LBS_M-20B	Paved Road	30.0	Irregular	487	N/A
LBS_M-21B	Paved Road	30.2	Irregular	543	N/A
LBS_M-25B	Paved Road	32.1	Irregular	1,156	N/A
<b>Scotts Neck North Basin</b>					
SNN_M-1C	Paved Road	7.5	Irregular	1,333	N/A
<b>Tomotley Basin</b>					
TY_M-0B	Paved Road	6.5	Irregular	436	N/A
TY_M-5C	Paved Road	8.3	Irregular	2,243	N/A
TY_T1a-0B	Paved Road	7.4	Irregular	551	N/A
TY_T1a-1	Paved Road	1.1	Irregular	1,219	N/A
TY_T1b-0B	Paved Road	7.4	Irregular	215	N/A
TY_T1b-1	Paved Road	3.1	Irregular	132	N/A
<b>Yemassee West Basin</b>					
No weirs in this basin					



TABLE J-3  
TIDE GATES  
BROAD RIVER WATERSHED

ICPR Conduit ID	Tide Gate Description
<b>Baynard Basin</b>	
No tide gates in this basin	
<b>Brays Island East Basin</b>	
No tide gates in this basin	
<b>Broad River Blvd. Basin</b>	
No tide gates in this basin	
<b>Habersham Creek North Basin</b>	
No tide gates in this basin	
<b>Habersham Creek West Basin</b>	
No tide gates in this basin	
<b>Laurel Bay South Basin</b>	
No tide gates in this basin	
<b>Scotts Neck North Basin</b>	
No tide gates in this basin	
<b>Tomotley Basin</b>	
TY_M-0A	metal hinged, good working condition
TY_T1A-0A	metal hinged, good working condition
<b>Yemassee West Basin</b>	
No tide gates in this basin	

TABLE J-4  
STORAGE AREA INPUT DATA  
BROAD RIVER WATERSHED

ICPR Node ID	Minimum Stage (ft)	Minimum Surface Area (ac)	Maximum Stage (ft)	Maximum Surface Area (ac)
<b>Baynard Basin</b>				
BD_M-3	3	0.13	25	177.48
BD_M-19	3	0.13	24	212.26
<b>Brays Island East Basin</b>				
BIE_M-17	5	0.13	38	245.71
<b>Broad River Blvd. Basin</b>				
BRB_M-59	5	0.15	31	596.42
<b>Habersham Creek North Basin</b>				
HCN_M-1	2	0.21	30	231.71
HCN_M-104	10	0.47	38	223.47
HCN_T1-15	8	0.04	36	214.54
<b>Habersham Creek West Basin</b>				
HCW_M-21	0	0.18	38	261.77
<b>Laurel Bay South Basin</b>				
LBS_M-12	6	2.07	8	2.08
LBS_M-31	11	3.50	12	3.50
LBS_M-193	23	0.01	72	241.35
<b>Scotts Neck North Basin</b>				
SNN_M-29	3	1.36	35	167.10
<b>Tomotley Basin</b>				
TY_M-3	0	0.18	5	7.64
TY_M-40	0	0.02	10	218.60
TY_M-123	9	0.01	26	289.41
TY_T1-94	10	0.12	43	190.16
TY_T1a-3	-1	0.24	26	216.73
TY_T1b-3	1	0.21	26	58.79
<b>Yemassee West Basin</b>				
YW_T1-55	11	15.11	46	330.44

TABLE J-5  
SUBBASIN PEAK FLOW VALUES FOR 2-YEAR DESIGN STORM  
BROAD RIVER WATERSHED

ICPR Subbasin ID	Tributary Area (acres)	Peak Flow (cfs)				
		Undeveloped	Existing Uncontrolled	Existing Controlled	Future Uncontrolled	Future Controlled
<b>Baynard Basin</b>						
BD_M1	252	61	164	164	203	164
BD_M2	238	61	173	173	195	173
<b>Brays Island East Basin</b>						
BIE_M1	397	200	249	201	249	201
<b>Broad River Blvd. Basin</b>						
BRB_M1	509	157	317	300	393	300
BRB_M2	293	206	270	268	324	268
BRB_M3	324	127	209	209	265	209
<b>Habersham Creek North Basin</b>						
HCN_M1	306	83	136	136	158	136
HCN_M2	278	91	114	114	135	114
HCN_M3	389	148	173	173	216	173
HCN_M4	233	92	112	111	148	111
HCN_T1	283	98	125	125	166	125
HCS_M1	244					
<b>Habersham Creek West Basin</b>						
HCW_M1	132	28	45	44	67	44
HCW_M2	282	103	153	153	188	153
<b>Laurel Bay South Basin</b>						
LBS_M1	206	32	70	70	84	70
LBS_M2	204	50	99	99	119	99
LBS_M3	166	106	146	146	162	146
LBS_M4	442	188	247	247	407	247
LBS_M5	570	231	325	325	469	325
<b>Scotts Neck North Basin</b>						
SNN_M1	460	182	222	222	258	222
SNN_M2	194	164	184	173	194	173
<b>Tomotley Basin</b>						
TY_M1	386	230	269	269	276	269
TY_M2	310	223	245	245	245	245
TY_M3	251	305	306	306	311	306
TY_M4	416	288	312	312	347	312
TY_T1	114	147	157	157	159	157
TY_T1a	232	116	121	121	122	121
TY_T1b	62	38	54	54	54	54
<b>Yemassee West Basin</b>						
YW_M1	493	326	348	348	348	348
YW_M2	386	247	263	263	263	263
YW_M3	289	284	313	313	353	313
YW_T1	161	97	100	100	101	100
YW_T1a	354	279	323	323	323	323
AVERAGE	300	156	198	196	228	196

TABLE J-6  
SUBBASIN PEAK FLOW VALUES FOR 10-YEAR DESIGN STORM  
BROAD RIVER WATERSHED

ICPR Subbasin ID	Tributary Area (acres)	Peak Flow (cfs)				
		Undeveloped	Existing Uncontrolled	Existing Controlled	Future Uncontrolled	Future Controlled
<b>Baynard Basin</b>						
BD_M1	252	147	308	308	359	308
BD_M2	238	145	317	317	348	317
<b>Brays Island East Basin</b>						
BIE_M1	397	392	461	393	461	393
<b>Broad River Blvd. Basin</b>						
BRB_M1	509	336	576	552	680	552
BRB_M2	293	372	459	456	531	456
BRB_M3	324	269	391	391	472	391
<b>Habersham Creek North Basin</b>						
HCN_M1	306	186	270	270	301	270
HCN_M2	278	205	242	242	273	242
HCN_M3	389	296	332	332	395	332
HCN_M4	233	190	219	217	271	217
HCN_T1	283	203	244	244	304	244
HCS_M1	244					
<b>Habersham Creek West Basin</b>						
HCW_M1	132	70	100	97	134	97
HCW_M2	282	225	304	304	354	304
<b>Laurel Bay South Basin</b>						
LBS_M1	206	91	159	159	185	159
LBS_M2	204	124	203	203	233	203
LBS_M3	166	204	260	260	281	260
LBS_M4	442	378	465	465	682	465
LBS_M5	570	461	599	599	794	599
<b>Scotts Neck North Basin</b>						
SNN_M1	460	369	430	430	484	430
SNN_M2	194	295	323	308	336	308
<b>Tomotley Basin</b>						
TY_M1	386	406	459	459	468	459
TY_M2	310	392	423	423	423	423
TY_M3	251	491	493	493	499	493
TY_M4	416	508	543	543	589	543
TY_T1	114	239	251	251	255	251
TY_T1a	232	227	234	234	235	234
TY_T1b	62	81	106	106	106	106
<b>Yemassee West Basin</b>						
YW_M1	493	564	594	594	595	594
YW_M2	386	430	455	455	455	455
YW_M3	289	486	525	525	578	525
YW_T1	161	181	185	185	185	185
YW_T1a	354	490	551	551	551	551
AVERAGE	300	295	359	355	400	355

TABLE J-7  
SUBBASIN PEAK FLOW VALUES FOR 25-YEAR DESIGN STORM  
BROAD RIVER WATERSHED

ICPR Subbasin ID	Tributary Area (acres)	Peak Flow (cfs)				
		Undeveloped	Existing Uncontrolled	Existing Controlled	Future Uncontrolled	Future Controlled
<b>Baynard Basin</b>						
BD_M1	252	185	366	366	422	366
BD_M2	238	182	375	375	409	375
<b>Brays Island East Basin</b>						
BIE_M1	397	472	547	473	547	473
<b>Broad River Blvd. Basin</b>						
BRB_M1	509	413	681	654	795	654
BRB_M2	293	439	534	531	612	531
BRB_M3	324	329	464	464	554	464
<b>Habersham Creek North Basin</b>						
HCN_M1	306	230	325	325	360	325
HCN_M2	278	254	296	296	331	296
HCN_M3	389	357	398	398	467	398
HCN_M4	233	231	264	261	321	261
HCN_T1	283	247	293	293	359	293
HCS_M1	244					
<b>Habersham Creek West Basin</b>						
HCW_M1	132	89	123	120	162	120
HCW_M2	282	278	366	366	422	366
<b>Laurel Bay South Basin</b>						
LBS_M1	206	119	199	199	227	199
LBS_M2	204	157	246	246	279	246
LBS_M3	166	244	306	306	328	306
LBS_M4	442	458	554	554	792	554
LBS_M5	570	556	710	710	923	710
<b>Scotts Neck North Basin</b>						
SNN_M1	460	449	515	515	577	515
SNN_M2	194	348	379	362	393	362
<b>Tomotley Basin</b>						
TY_M1	386	476	535	535	545	535
TY_M2	310	459	493	493	493	493
TY_M3	251	565	567	567	574	567
TY_M4	416	597	636	636	686	636
TY_T1	114	275	289	289	293	289
TY_T1a	232	272	281	281	282	281
TY_T1b	62	99	127	127	127	127
<b>Yemassee West Basin</b>						
YW_M1	493	659	692	692	693	692
YW_M2	386	505	531	531	531	531
YW_M3	289	566	609	609	667	609
YW_T1	161	215	220	220	219	220
YW_T1a	354	575	641	641	641	641
AVERAGE	300	353	424	420	470	420

TABLE J-8  
SUBBASIN PEAK FLOW VALUES FOR 100-YEAR DESIGN STORM  
BROAD RIVER WATERSHED

ICPR Subbasin ID	Tributary Area (acres)	Peak Flow (cfs)				
		Undeveloped	Existing Uncontrolled	Existing Controlled	Future Uncontrolled	Future Controlled
<b>Baynard Basin</b>						
BD_M1	252	264	482	482	547	547
BD_M2	238	260	491	491	532	532
<b>Brays Island East Basin</b>						
BIE_M1	397	632	719	719	719	719
<b>Broad River Blvd. Basin</b>						
BRB_M1	509	571	891	891	1,023	1,023
BRB_M2	293	573	683	683	775	775
BRB_M3	324	454	614	614	719	719
<b>Habersham Creek North Basin</b>						
HCN_M1	306	322	437	437	478	478
HCN_M2	278	355	407	407	449	449
HCN_M3	389	482	530	530	612	612
HCN_M4	233	315	354	354	421	421
HCN_T1	283	338	393	393	471	471
HCS_M1	244					
<b>Habersham Creek West Basin</b>						
HCW_M1	132	130	171	171	218	218
HCW_M2	282	387	493	493	558	558
<b>Laurel Bay South Basin</b>						
LBS_M1	206	180	281	281	315	315
LBS_M2	204	226	334	334	374	374
LBS_M3	166	324	398	398	422	422
LBS_M4	442	618	732	732	1,009	1,009
LBS_M5	570	750	934	934	1,180	1,180
<b>Scotts Neck North Basin</b>						
SNN_M1	460	610	688	688	762	762
SNN_M2	194	453	490	490	506	506
<b>Tomotley Basin</b>						
TY_M1	386	617	686	686	698	698
TY_M2	310	594	634	634	634	634
TY_M3	251	713	714	714	723	723
TY_M4	416	773	820	820	878	878
TY_T1	114	348	363	363	368	368
TY_T1a	232	365	375	375	376	376
TY_T1b	62	137	169	169	169	169
<b>Yemassee West Basin</b>						
YW_M1	493	850	887	887	888	888
YW_M2	386	652	683	683	683	683
YW_M3	289	727	776	776	844	844
YW_T1	161	283	289	289	288	288
YW_T1a	354	743	821	821	821	821
AVERAGE	300	470	554	554	608	608

TABLE J-9  
 NODE PEAK WATER SURFACE ELEVATIONS  
 BROAD RIVER WATERSHED  
 EXISTING LAND USE

ICPR Node ID	Initial Elevation (ft)	Existing Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
<b>Baynard Basin</b>					
BD_M-0	5.6	5.6	5.6	5.6	5.6
BD_M-1	5.6	6.1	7.2	7.5	7.8
BD_M-2	5.6	6.1	7.2	7.5	7.8
BD_M-3	5.6	6.8	7.3	7.5	7.8
BD_M-12	5.6	6.8	7.3	7.5	7.8
BD_M-19	5.6	6.8	7.4	7.6	7.9
<b>Brays Island East Basin</b>					
BIE_M-2	5.6	5.6	5.6	5.6	5.6
BIE_M-4	5.6	7.7	8.2	8.3	8.4
BIE_M-17	5.6	7.7	8.2	8.3	8.4
<b>Broad River Blvd. Basin</b>					
BRB_M-4	5.6	5.6	5.6	5.6	5.6
BRB_M-6	5.6	8.7	10.0	10.6	11.4
BRB_M-10	5.6	8.7	10.0	10.6	11.4
BRB_M-11	5.6	8.7	10.0	10.6	11.4
BRB_M-24	5.6	8.7	10.0	10.6	11.4
BRB_M-32	5.6	8.7	10.0	10.6	11.4
BRB_M-42	5.7	8.8	10.0	10.6	11.4
BRB_M-53	5.6	8.8	10.0	10.6	11.4
BRB_M-56	5.6	8.9	10.0	10.6	11.4
BRB_M-59	5.6	11.2	12.4	12.7	13.0
<b>Habersham Creek North Basin</b>					
HCN_M-0	5.6	5.6	5.6	5.6	5.6
HCN_M-1	5.6	5.8	6.6	7.2	8.5
HCN_M-10	5.6	5.9	6.7	7.3	8.5
HCN_M-27	5.6	6.5	7.4	7.8	8.8
HCN_M-35	5.6	7.7	8.4	8.6	9.2
HCN_M-37	5.6	9.4	10.2	10.3	10.6
HCN_M-47	6.4	9.5	10.3	10.4	10.7
HCN_M-52	6.6	9.5	10.3	10.5	10.8
HCN_M-81	8.0	10.5	11.0	11.2	11.5
HCN_M-93	8.7	11.1	11.7	11.8	12.2
HCN_T1-7	6.9	9.5	10.4	10.5	10.8

TABLE J-9  
 NODE PEAK WATER SURFACE ELEVATIONS  
 BROAD RIVER WATERSHED  
 EXISTING LAND USE

ICPR Node ID	Initial Elevation (ft)	Existing Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
HCN_T1-13	6.9	10.4	10.6	10.6	10.8
HCN_T1-15	8.9	11.4	12.5	12.9	13.4
<b>Habersham Creek West Basin</b>					
HCW_M-4	5.6	5.6	5.6	5.6	5.6
HCW_M-15	6.2	8.7	9.8	10.1	10.6
HCW_M-21	5.6	10.5	10.8	10.9	11.0
<b>Laurel Bay South Basin</b>					
LBS_M-7	5.6	5.6	5.6	5.6	5.6
LBS_M-12	6.1	9.1	9.3	9.5	9.8
LBS_M-21	6.3	9.1	9.4	9.6	10.2
LBS_M-31	9.8	14.3	14.5	14.6	14.9
LBS_M-41	10.5	14.3	14.5	14.6	15.0
LBS_M-47	8.4	14.3	14.5	14.7	15.2
LBS_M-49	10.6	16.5	16.9	17.1	17.6
LBS_M-60	11.7	16.5	17.0	17.2	17.8
LBS_M-72	14.1	17.1	17.2	17.7	18.7
LBS_M-74	15.7	20.4	23.1	24.1	24.6
LBS_M-79	16.0	20.4	23.1	24.1	24.6
LBS_M-87	11.6	20.5	23.1	24.1	24.6
LBS_M-89	14.1	21.7	25.9	26.8	27.2
LBS_M-101	20.9	22.2	25.9	26.8	27.2
LBS_M-115	21.7	24.9	26.0	26.9	27.4
LBS_M-123	22.5	25.4	26.4	27.1	27.8
LBS_M-128	21.5	25.7	26.8	27.8	28.6
LBS_M-129	20.0	28.7	29.7	29.8	30.1
LBS_M-138	23.7	28.7	29.7	30.0	30.4
LBS_M-143	22.5	28.8	29.9	30.2	30.7
LBS_M-144	22.3	30.4	30.6	30.7	30.9
LBS_M-145	23.5	29.6	30.6	30.7	30.9
LBS_M-156	24.4	29.6	30.6	30.7	30.9
LBS_M-167	23.9	29.6	30.6	30.7	30.9
LBS_M-171	23.1	29.6	30.6	30.7	30.9
LBS_M-172	23.3	29.7	30.8	31.0	31.5
LBS_M-183	24.6	29.7	30.8	31.1	31.5



TABLE J-9  
 NODE PEAK WATER SURFACE ELEVATIONS  
 BROAD RIVER WATERSHED  
 EXISTING LAND USE

ICPR Node ID	Initial Elevation (ft)	Existing Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
LBS_M-193	23.6	29.7	30.8	31.1	31.5
<b>Scotts Neck North Basin</b>					
SNN_M-0	5.6	5.6	5.6	5.6	5.6
SNN_M-2	5.6	6.4	7.2	7.5	7.9
SNN_M-13	5.6	6.4	7.2	7.5	7.9
SNN_M-25	5.6	6.4	7.2	7.5	7.9
SNN_M-29	5.6	6.4	7.2	7.5	7.9
<b>Tomotley Basin</b>					
TY_M-0	5.6	5.6	5.6	5.6	5.6
TY_M-3	5.6	5.7	6.0	6.1	6.3
TY_M-40	5.6	6.4	7.0	7.3	7.8
TY_M-55	5.6	6.4	7.0	7.3	7.8
TY_M-65	5.6	6.4	7.0	7.3	7.8
TY_M-71	5.6	6.4	7.0	7.3	7.8
TY_M-72	5.6	7.6	8.7	8.9	9.0
TY_M-94	5.6	7.6	8.7	8.9	9.1
TY_M-103	6.0	8.2	8.7	9.0	9.2
TY_M-123	10.2	11.7	12.0	12.1	12.2
TY_T1-60	5.6	6.4	7.0	7.3	7.8
TY_T1-72	5.6	6.4	7.0	7.3	7.8
TY_T1-84	6.9	7.4	7.6	7.7	8.0
TY_T1-92	9.2	10.5	10.7	10.8	10.8
TY_T1-94	10.5	12.3	13.2	13.5	14.0
TY_T1a-3	5.6	5.7	6.0	6.1	6.3
TY_T1b-3	5.6	5.7	5.9	6.0	6.2
<b>Yemassee West Basin</b>					
YW_M-5	5.6	5.6	5.6	5.6	5.6
YW_M-20	5.6	5.9	6.1	6.2	6.3
YW_M-29	5.6	6.1	6.4	6.5	6.7
YW_M-41	5.6	6.7	6.8	6.8	6.9
YW_M-48	5.6	6.8	6.9	7.0	7.0
YW_M-50	5.6	8.0	8.9	9.2	9.7
YW_M-65	5.6	8.0	8.9	9.2	9.7
YW_M-77	5.6	8.0	8.9	9.2	9.7

TABLE J-9  
 NODE PEAK WATER SURFACE ELEVATIONS  
 BROAD RIVER WATERSHED  
 EXISTING LAND USE

ICPR Node ID	Initial Elevation (ft)	Existing Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
YW_M-90	7.2	9.0	9.3	9.4	9.7
YW_M-100	5.6	9.0	9.3	9.4	9.7
YW_T1-20	7.7	8.3	8.9	9.2	9.7
YW_T1-35	11.0	12.0	12.2	12.2	12.3
YW_T1-47	11.7	12.2	12.3	12.4	12.4
YW_T1-53	11.4	12.2	12.4	12.4	12.4
YW_T1-55	11.9	12.8	13.3	13.5	13.9

TABLE J-10  
 NODE PEAK WATER SURFACE ELEVATIONS  
 BROAD RIVER WATERSHED  
 FUTURE LAND USE

ICPR Node ID	Initial Elevation (ft)	Future Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
<b>Baynard Basin</b>					
BD_M-0	5.6	5.6	5.6	5.6	5.6
BD_M-1	5.6	6.3	7.4	7.6	7.8
BD_M-2	5.6	6.3	7.4	7.6	7.8
BD_M-3	5.6	6.9	7.4	7.6	7.9
BD_M-12	5.6	6.9	7.4	7.6	7.9
BD_M-19	5.6	6.9	7.5	7.7	8.0
<b>Brays Island East Basin</b>					
BIE_M-2	5.6	5.6	5.6	5.6	5.6
BIE_M-4	5.6	7.7	8.2	8.3	8.4
BIE_M-17	5.6	7.7	8.2	8.3	8.4
<b>Broad River Blvd. Basin</b>					
BRB_M-4	5.6	5.6	5.6	5.6	5.6
BRB_M-6	5.6	9.1	10.3	11.0	11.5
BRB_M-10	5.6	9.1	10.3	11.0	11.5
BRB_M-11	5.6	9.1	10.3	11.0	11.5
BRB_M-24	5.6	9.1	10.3	11.0	11.5
BRB_M-32	5.6	9.1	10.3	11.0	11.5
BRB_M-42	5.7	9.1	10.3	11.0	11.5
BRB_M-53	5.6	9.2	10.3	11.0	11.6
BRB_M-56	5.6	9.2	10.3	11.0	11.6
BRB_M-59	5.6	11.5	12.6	12.8	13.0
<b>Habersham Creek North Basin</b>					
HCN_M-0	5.6	5.6	5.6	5.6	5.6
HCN_M-1	5.6	6.0	6.9	7.6	8.7
HCN_M-10	5.6	6.0	7.0	7.6	8.8
HCN_M-27	5.6	6.6	7.7	8.0	9.1
HCN_M-35	5.6	7.7	8.5	8.8	9.4
HCN_M-37	5.6	9.7	10.3	10.4	10.7
HCN_M-47	6.4	9.8	10.4	10.5	10.8
HCN_M-52	6.6	9.8	10.4	10.6	10.9
HCN_M-81	8.0	10.6	11.1	11.3	11.6
HCN_M-93	8.7	11.2	11.8	12.0	12.3
HCN_T1-7	6.9	9.8	10.5	10.6	11.0

TABLE J-10  
 NODE PEAK WATER SURFACE ELEVATIONS  
 BROAD RIVER WATERSHED  
 FUTURE LAND USE

ICPR Node ID	Initial Elevation (ft)	Future Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
HCN_T1-13	6.9	10.5	10.6	10.6	11.0
HCN_T1-15	8.9	11.8	12.9	13.2	13.5
<b>Habersham Creek West Basin</b>					
HCW_M-4	5.6	5.6	5.6	5.6	5.6
HCW_M-15	6.2	8.9	9.9	10.2	10.9
HCW_M-21	5.6	10.5	10.8	10.9	11.1
<b>Laurel Bay South Basin</b>					
LBS_M-7	5.6	5.6	5.6	5.6	5.6
LBS_M-12	6.1	9.2	9.5	9.7	10.0
LBS_M-21	6.3	9.2	9.7	10.0	10.5
LBS_M-31	9.8	14.4	14.6	14.8	15.0
LBS_M-41	10.5	14.4	14.7	14.9	15.2
LBS_M-47	8.4	14.4	14.8	15.0	15.5
LBS_M-49	10.6	16.7	17.2	17.5	17.9
LBS_M-60	11.7	16.7	17.3	17.6	18.2
LBS_M-72	14.1	17.1	17.8	18.3	19.3
LBS_M-74	15.7	21.0	24.2	24.4	24.9
LBS_M-79	16.0	21.0	24.2	24.4	24.9
LBS_M-87	11.6	21.0	24.2	24.5	25.0
LBS_M-89	14.1	22.8	26.9	27.1	27.4
LBS_M-101	20.9	22.8	26.9	27.1	27.5
LBS_M-115	21.7	25.1	27.1	27.3	27.8
LBS_M-123	22.5	25.8	27.4	27.7	28.3
LBS_M-128	21.5	25.9	28.2	28.5	28.9
LBS_M-129	20.0	29.4	29.9	30.0	30.3
LBS_M-138	23.7	29.4	30.0	30.2	30.7
LBS_M-143	22.5	29.5	30.3	30.5	31.1
LBS_M-144	22.3	30.5	30.7	30.8	31.2
LBS_M-145	23.5	30.4	30.7	30.8	31.2
LBS_M-156	24.4	30.4	30.7	30.8	31.1
LBS_M-167	23.9	30.4	30.7	30.8	31.1
LBS_M-171	23.1	30.4	30.7	30.8	31.1
LBS_M-172	23.3	30.1	31.0	31.3	31.7
LBS_M-183	24.6	30.2	31.0	31.3	31.7

TABLE J-10  
 NODE PEAK WATER SURFACE ELEVATIONS  
 BROAD RIVER WATERSHED  
 FUTURE LAND USE

ICPR Node ID	Initial Elevation (ft)	Future Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
LBS_M-193	23.6	30.2	31.0	31.3	31.7
<b>Scotts Neck North Basin</b>					
SNN_M-0	5.6	5.6	5.6	5.6	5.6
SNN_M-2	5.6	6.5	7.2	7.5	8.0
SNN_M-13	5.6	6.5	7.2	7.5	8.0
SNN_M-25	5.6	6.5	7.2	7.5	8.0
SNN_M-29	5.6	6.5	7.2	7.5	8.0
<b>Tomotley Basin</b>					
TY_M-0	5.6	5.6	5.6	5.6	5.6
TY_M-3	5.6	5.8	6.0	6.1	6.3
TY_M-40	5.6	6.4	7.0	7.3	7.8
TY_M-55	5.6	6.4	7.0	7.3	7.8
TY_M-65	5.6	6.4	7.0	7.3	7.8
TY_M-71	5.6	6.4	7.0	7.3	7.8
TY_M-72	5.6	7.7	8.7	8.9	9.1
TY_M-94	5.6	7.7	8.7	8.9	9.1
TY_M-103	6.0	8.2	8.8	9.0	9.3
TY_M-123	10.2	11.7	12.0	12.1	12.3
TY_T1-60	5.6	6.4	7.0	7.3	7.8
TY_T1-72	5.6	6.4	7.0	7.3	7.8
TY_T1-84	6.9	7.5	7.6	7.8	8.0
TY_T1-92	9.2	10.5	10.7	10.8	10.8
TY_T1-94	10.5	12.4	13.4	13.6	14.1
TY_T1a-3	5.6	5.8	6.0	6.1	6.3
TY_T1b-3	5.6	5.7	5.9	6.0	6.2
<b>Yemassee West Basin</b>					
YW_M-5	5.6	5.6	5.6	5.6	5.6
YW_M-20	5.6	5.9	6.1	6.2	6.3
YW_M-29	5.6	6.1	6.4	6.5	6.7
YW_M-41	5.6	6.7	6.8	6.8	6.9
YW_M-48	5.6	6.8	6.9	7.0	7.0
YW_M-50	5.6	8.1	9.0	9.2	9.7
YW_M-65	5.6	8.1	9.0	9.2	9.8
YW_M-77	5.6	8.1	9.0	9.2	9.8

TABLE J-10  
 NODE PEAK WATER SURFACE ELEVATIONS  
 BROAD RIVER WATERSHED  
 FUTURE LAND USE

ICPR Node ID	Initial Elevation (ft)	Future Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
YW_M-90	7.2	9.1	9.3	9.4	9.8
YW_M-100	5.6	9.1	9.4	9.5	9.8
YW_T1-20	7.7	8.3	9.0	9.2	9.8
YW_T1-35	11.0	12.0	12.2	12.2	12.3
YW_T1-47	11.7	12.2	12.3	12.4	12.4
YW_T1-53	11.4	12.2	12.4	12.4	12.4
YW_T1-55	11.9	12.8	13.3	13.5	13.9

TABLE J-11  
 NODE PEAK WATER SURFACE ELEVATIONS  
 BROAD RIVER WATERSHED  
 FUTURE LAND USE WITH PLAN

ICPR Node ID	Initial Elevation (ft)	Future Improved Land Use		
		Improved Location?	25-Year Design Storm	100-Year Design Storm
<b>Baynard Basin</b>				
BD_M-0	5.6		5.6	5.6
BD_M-1	5.6	Yes	7.2	7.7
BD_M-2	5.6		7.2	7.7
BD_M-3	5.6		7.4	7.7
BD_M-12	5.6		7.4	7.7
BD_M-19	5.6		7.5	7.9
<b>Brays Island East Basin</b>				
BIE_M-2	5.6		5.6	5.6
BIE_M-4	5.6	Yes	7.5	8.1
BIE_M-17	5.6		7.5	8.1
<b>Broad River Blvd. Basin</b>				
BRB_M-4	5.6		5.6	5.6
BRB_M-6	5.6	Yes	7.7	9.2
BRB_M-10	5.6		7.9	9.2
BRB_M-11	5.6	Yes	8.8	9.5
BRB_M-24	5.6		8.9	9.6
BRB_M-32	5.6		9.1	9.7
BRB_M-42	5.7		9.9	10.2
BRB_M-53	5.6		10.0	10.3
BRB_M-56	5.6		10.1	10.4
BRB_M-59	5.6	Yes	11.3	11.8
<b>Habersham Creek North Basin</b>				
HCN_M-0	5.6		5.6	5.6
HCN_M-1	5.6		7.3	8.3
HCN_M-10	5.6		7.4	8.4
HCN_M-27	5.6		7.8	8.6
HCN_M-35	5.6		8.5	9.0
HCN_M-37	5.6	Yes	10.6	11.1
HCN_M-47	6.4		10.7	11.2
HCN_M-52	6.6		10.7	11.2
HCN_M-81	8.0		11.3	11.6
HCN_M-93	8.7		12.0	12.3
HCN_T1-7	6.9		10.7	11.2

TABLE J-11  
 NODE PEAK WATER SURFACE ELEVATIONS  
 BROAD RIVER WATERSHED  
 FUTURE LAND USE WITH PLAN

ICPR Node ID	Initial Elevation (ft)	Future Improved Land Use		
		Improved Location?	25-Year Design Storm	100-Year Design Storm
HCN_T1-13	6.9		10.8	11.3
HCN_T1-15	8.9	Yes	12.7	13.3
<b>Habersham Creek West Basin</b>				
HCW_M-4	5.6		5.6	5.6
HCW_M-15	6.2		10.1	10.8
HCW_M-21	5.6	Yes	10.9	11.4
<b>Laurel Bay South Basin</b>				
LBS_M-7	5.6		5.6	5.6
LBS_M-12	6.1	Yes	7.7	9.2
LBS_M-21	6.3		9.4	10.2
LBS_M-31	9.8		14.8	15.0
LBS_M-41	10.5		14.9	15.2
LBS_M-47	8.4		15.0	15.5
LBS_M-49	10.6	Yes	15.9	16.9
LBS_M-60	11.7		16.2	17.3
LBS_M-72	14.1		18.1	18.9
LBS_M-74	15.7	Yes	23.4	24.3
LBS_M-79	16.0		23.4	24.3
LBS_M-87	11.6		23.5	24.4
LBS_M-89	14.1	Yes	26.1	27.0
LBS_M-101	20.9		26.1	27.1
LBS_M-115	21.7		26.6	27.5
LBS_M-123	22.5		27.3	28.1
LBS_M-128	21.5		28.3	28.7
LBS_M-129	20.0	Yes	28.7	29.4
LBS_M-138	23.7		29.7	30.4
LBS_M-143	22.5		N/A	N/A
LBS_M-144	22.3	Yes	29.9	30.6
LBS_M-145	23.5	Yes	29.9	30.6
LBS_M-156	24.4		29.9	30.6
LBS_M-167	23.9		30.0	30.6
LBS_M-171	23.1		30.0	30.6
LBS_M-172	23.3		30.8	31.4
LBS_M-183	24.6		30.9	31.4



TABLE J-11  
 NODE PEAK WATER SURFACE ELEVATIONS  
 BROAD RIVER WATERSHED  
 FUTURE LAND USE WITH PLAN

ICPR Node ID	Initial Elevation (ft)	Future Improved Land Use		
		Improved Location?	25-Year Design Storm	100-Year Design Storm
LBS_M-193	23.6		30.9	31.4
<b>Scotts Neck North Basin</b>				
SNN_M-0	5.6		5.6	5.6
SNN_M-2	5.6	Yes	7.1	7.6
SNN_M-13	5.6		7.1	7.6
SNN_M-25	5.6		7.1	7.6
SNN_M-29	5.6		7.1	7.6
<b>Tomotley Basin</b>				
TY_M-0	5.6		5.6	5.6
TY_M-3	5.6		6.1	6.3
TY_M-40	5.6		7.4	7.9
TY_M-55	5.6		7.4	7.9
TY_M-65	5.6		7.4	7.9
TY_M-71	5.6		7.4	7.9
TY_M-72	5.6	Yes	8.2	8.7
TY_M-94	5.6		8.2	8.8
TY_M-103	6.0		8.7	8.9
TY_M-123	10.2		12.1	12.3
TY_T1-60	5.6		7.4	7.9
TY_T1-72	5.6		7.4	7.9
TY_T1-84	6.9		7.8	8.1
TY_T1-92	9.2		10.8	10.8
TY_T1-94	10.5		13.6	14.1
TY_T1a-3	5.6		6.1	6.3
TY_T1b-3	5.6		6.0	6.3
<b>Yemassee West Basin</b>				
YW_M-5	5.6		5.6	5.6
YW_M-20	5.6		6.2	6.3
YW_M-29	5.6		6.5	6.7
YW_M-41	5.6		6.8	6.9
YW_M-48	5.6		7.0	7.0
YW_M-50	5.6		9.2	9.7
YW_M-65	5.6		9.2	9.8
YW_M-77	5.6		9.2	9.8

TABLE J-11  
 NODE PEAK WATER SURFACE ELEVATIONS  
 BROAD RIVER WATERSHED  
 FUTURE LAND USE WITH PLAN

ICPR Node ID	Initial Elevation (ft)	Future Improved Land Use		
		Improved Location?	25-Year Design Storm	100-Year Design Storm
YW_M-90	7.2		9.4	9.8
YW_M-100	5.6		9.5	9.8
YW_T1-20	7.7		9.2	9.8
YW_T1-35	11.0		12.2	12.3
YW_T1-47	11.7		12.4	12.4
YW_T1-53	11.4		12.4	12.4
YW_T1-55	11.9		13.5	13.9

TABLE J-12  
CONDUIT PEAK FLOWS  
BROAD RIVER WATERSHED  
EXISTING LAND USE

ICPR Conduit ID	Type	Existing Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
<b>Baynard Basin</b>					
BD_M-1A	Pipe	52	96	103	111
BD_M-1B	Pipe	39	72	78	83
BD_M-1C	Pipe	39	72	78	83
BD_M-1D	Weir	0	0	0	141
BD_M-2	Channel	244	326	259	419
BD_M-3A	Pipe	50	51	51	51
BD_M-3B	Weir	82	228	252	409
BD_M-4	Channel	64	192	206	207
BD_M-5	Channel	62	775	775	775
<b>Brays Island East Basin</b>					
BIE_M-1A	Pipe	46	51	52	53
BIE_M-1B	Weir	0	163	254	436
BIE_M-2	Channel	211	217	317	495
<b>Broad River Blvd. Basin</b>					
BRB_M-1A	Pipe	65	78	83	89
BRB_M-1B	Pipe	124	147	157	169
BRB_M-1C	Weir	0	0	0	330
BRB_M-2	Channel	215	500	555	588
BRB_M-3A	Pipe	24	24	24	24
BRB_M-3B	Pipe	56	57	57	56
BRB_M-3C	Weir	233	1280	1989	2517
BRB_M-4	Channel	112	170	198	337
BRB_M-5	Channel	101	157	177	333
BRB_M-6	Channel	95	149	165	330
BRB_M-7	Channel	86	121	153	342
BRB_M-8	Channel	82	104	180	404
BRB_M-9A	Pipe	80	99	96	100
BRB_M-9B	Weir	0	6	99	353
<b>Habersham Creek North Basin</b>					
HCN_M-0A	Pipe	134	273	330	445
HCN_M-0B	Pipe	174	352	427	575
HCN_M-0C	Weir	0	0	0	0
HCN_M-1	Channel	263	567	693	959
HCN_M-2	Channel	261	579	723	1032
HCN_M-3	Channel	215	487	602	883
HCN_M-4A	Pipe	36	39	39	39
HCN_M-4B	Pipe	36	39	39	39
HCN_M-4C	Pipe	36	39	39	39
HCN_M-4D	Pipe	36	39	39	39
HCN_M-4E	Pipe	36	39	39	39
HCN_M-4F	Pipe	36	39	39	39
HCN_M-4G	Weir	0	268	389	693
HCN_M-5	Channel	223	488	603	888
HCN_M-6	Channel	260	490	604	891
HCN_M-7	Channel	227	456	546	724
HCN_M-8	Channel	243	471	567	765
HCN_M-9	Channel	89	174	209	283
HCN_T1-1	Channel	68	136	137	204
HCN_T1-2	Channel	74	1205	1163	1163
HCN_T1-3A	Pipe	30	51	57	65

TABLE J-12  
CONDUIT PEAK FLOWS  
BROAD RIVER WATERSHED  
EXISTING LAND USE

ICPR Conduit ID	Type	Existing Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
HCN_T1-3B	Pipe	44	63	64	67
HCN_T1-3C	Weir	0	0	0	74
<b>Habersham Creek West Basin</b>					
HCW_M-1	Channel	167	380	467	644
HCW_M-2A	Pipe	66	67	66	65
HCW_M-2B	Weir	77	254	322	458
<b>Laurel Bay South Basin</b>					
LBS_M-1A	Drop Structure	41	42	43	45
LBS_M-1B	Weir	140	339	495	970
LBS_M-2A	Channel	166	324	456	860
LBS_M-3A	Drop Structure	37	40	41	45
LBS_M-3B	Weir	131	284	416	821
LBS_M-4	Channel	169	324	458	871
LBS_M-5	Channel	170	324	463	893
LBS_M-6A	Pipe	88	100	101	103
LBS_M-6B	Pipe	89	100	101	103
LBS_M-6C	Weir	7	152	291	729
LBS_M-7	Channel	194	325	467	910
LBS_M-8	Channel	274	349	472	926
LBS_M-9A	Pipe	105	161	178	186
LBS_M-9B	Pipe	110	164	181	188
LBS_M-9C	Weir	0	0	119	578
LBS_M-10	Channel	169	268	370	731
LBS_M-11	Channel	168	255	371	734
LBS_M-12A	Pipe	88	130	136	136
LBS_M-12B	Pipe	89	130	136	136
LBS_M-12C	Weir	0	0	132	500
LBS_M-13	Channel	198	524	524	749
LBS_M-14	Channel	120	311	349	583
LBS_M-15	Channel	121	323	405	637
LBS_M-16	Channel	121	1440	2166	4127
LBS_M-17A	Pipe	121	135	135	133
LBS_M-17B	Weir	0	173	293	519
LBS_M-18	Channel	362	365	407	615
LBS_M-19	Channel	148	301	412	623
LBS_M-20A	Pipe	101	101	101	99
LBS_M-20B	Weir	69	251	369	595
LBS_M-21A	Pipe	60	71	73	76
LBS_M-21B	Weir	0	32	45	63
LBS_M-22	Channel	59	70	72	79
LBS_M-23	Channel	58	69	71	77
LBS_M-24	Channel	58	67	70	75
LBS_M-25A	Pipe	57	67	69	75
LBS_M-25B	Weir	0	0	0	0
LBS_M-26	Channel	57	67	69	75
LBS_M-27	Channel	48	63	77	134
<b>Scotts Neck North Basin</b>					
SNN_M-1A	Pipe	25	35	38	43
SNN_M-1B	Pipe	25	35	38	43
SNN_M-1C	Weir	0	0	0	56
SNN_M-2	Channel	52	81	92	142

TABLE J-12  
 CONDUIT PEAK FLOWS  
 BROAD RIVER WATERSHED  
 EXISTING LAND USE

ICPR Conduit ID	Type	Existing Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
SNN_M-3	Channel	33	47	51	62
SNN_M-4	Channel	28	39	42	51
<b>Tomotley Basin</b>					
TY_M-0A	Pipe	71	110	125	152
TY_M-0B	Weir	0	0	0	0
TY_M-1	Pipe	186	247	269	311
TY_M-2	Channel	253	392	571	936
TY_M-3	Channel	155	265	440	747
TY_M-4	Channel	170	299	497	841
TY_M-5A	Pipe	87	108	110	110
TY_M-5B	Pipe	87	108	110	110
TY_M-5C	Weir	0	94	297	658
TY_M-6	Channel	514	352	411	658
TY_M-7	Channel	300	466	503	690
TY_M-9	Channel	315	506	582	793
TY_T1-0	Channel	56	80	88	108
TY_T1-1	Channel	121	199	232	298
TY_T1-2	Channel	33	53	78	85
TY_T1-3	Channel	33	53	79	86
TY_T1-4A	Pipe	18	21	22	24
TY_T1-4B	Pipe	16	32	57	62
TY_T1a-0A	Pipe	117	181	205	249
TY_T1a-0B	Weir	0	0	0	0
TY_T1a-1	Weir	6	46	64	98
TY_T1b-0A	Pipe	51	85	98	121
TY_T1b-0B	Weir	0	0	0	0
TY_T1b-1	Weir	8	25	33	49
<b>Yemassee West Basin</b>					
YW_M-1	Channel	352	600	702	900
YW_M-2	Channel	366	621	728	932
YW_M-4	Channel	167	214	226	249
YW_M-5	Channel	168	215	227	249
YW_M-6	Pipe	169	215	227	249
YW_M-7	Channel	165	276	340	464
YW_M-8	Channel	701	711	715	718
YW_M-9	Channel	150	337	420	585
YW_M-10	Channel	196	385	461	612
YW_T1-1	Channel	73	222	243	258
YW_T1-2	Channel	76	148	214	363
YW_T1-3	Channel	7	14	18	25
YW_T1-4	Channel	6	10	11	14
YW_T1-5	Pipe	7	10	11	14

TABLE J-13  
CONDUIT PEAK FLOWS  
BROAD RIVER WATERSHED  
FUTURE LAND USE

ICPR Conduit ID	Type	Future Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
<b>Baynard Basin</b>					
BD_M-1A	Pipe	60	100	106	112
BD_M-1B	Pipe	45	75	80	84
BD_M-1C	Pipe	45	75	80	84
BD_M-1D	Weir	0	0	27	186
BD_M-2	Channel	298	250	292	466
BD_M-3A	Pipe	50	51	51	51
BD_M-3B	Weir	108	241	284	456
BD_M-4	Channel	76	204	209	228
BD_M-5	Channel	73	775	775	775
<b>Brays Island East Basin</b>					
BIE_M-1A	Pipe	46	51	52	53
BIE_M-1B	Weir	0	163	254	436
BIE_M-2	Channel	211	217	317	495
<b>Broad River Blvd. Basin</b>					
BRB_M-1A	Pipe	69	80	86	90
BRB_M-1B	Pipe	131	151	163	170
BRB_M-1C	Weir	0	0	0	461
BRB_M-2	Channel	403	529	552	721
BRB_M-3A	Pipe	24	24	24	23
BRB_M-3B	Pipe	56	57	57	56
BRB_M-3C	Weir	516	1688	2426	2400
BRB_M-4	Channel	130	183	211	412
BRB_M-5	Channel	119	167	184	408
BRB_M-6	Channel	112	157	170	405
BRB_M-7	Channel	96	126	184	421
BRB_M-8	Channel	89	130	233	490
BRB_M-9A	Pipe	87	97	99	101
BRB_M-9B	Weir	0	41	160	445
<b>Habersham Creek North Basin</b>					
HCN_M-0A	Pipe	161	305	368	466
HCN_M-0B	Pipe	209	394	476	603
HCN_M-0C	Weir	0	0	0	195
HCN_M-1	Channel	288	646	784	1140
HCN_M-2	Channel	287	672	825	1169
HCN_M-3	Channel	245	568	701	1016
HCN_M-4A	Pipe	38	39	39	38
HCN_M-4B	Pipe	38	39	39	38
HCN_M-4C	Pipe	38	39	39	38
HCN_M-4D	Pipe	38	39	39	38
HCN_M-4E	Pipe	38	39	39	38
HCN_M-4F	Pipe	38	39	39	38
HCN_M-4G	Weir	18	353	494	840
HCN_M-5	Channel	248	568	702	1026
HCN_M-6	Channel	291	570	705	1029
HCN_M-7	Channel	288	529	623	832
HCN_M-8	Channel	276	532	635	879
HCN_M-9	Channel	107	207	247	327
HCN_T1-1	Channel	81	135	155	238
HCN_T1-2	Channel	397	1345	926	1211
HCN_T1-3A	Pipe	37	56	60	66

TABLE J-13  
CONDUIT PEAK FLOWS  
BROAD RIVER WATERSHED  
FUTURE LAND USE

ICPR Conduit ID	Type	Future Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
HCN_T1-3B	Pipe	54	64	66	69
HCN_T1-3C	Weir	0	0	18	125
<b>Habersham Creek West Basin</b>					
HCW_M-1	Channel	196	401	486	756
HCW_M-2A	Pipe	65	64	64	63
HCW_M-2B	Weir	98	264	331	530
<b>Laurel Bay South Basin</b>					
LBS_M-1A	Drop Structure	42	43	44	46
LBS_M-1B	Weir	211	524	793	1325
LBS_M-2A	Channel	231	495	735	1173
LBS_M-3A	Drop Structure	38	42	44	47
LBS_M-3B	Weir	194	457	693	1135
LBS_M-4	Channel	232	502	740	1191
LBS_M-5	Channel	233	510	746	1225
LBS_M-6A	Pipe	90	96	97	101
LBS_M-6B	Pipe	90	96	97	101
LBS_M-6C	Weir	65	338	572	1067
LBS_M-7	Channel	234	516	749	1247
LBS_M-8	Channel	308	528	752	1275
LBS_M-9A	Pipe	118	179	184	188
LBS_M-9B	Pipe	123	182	187	190
LBS_M-9C	Weir	0	177	387	947
LBS_M-10	Channel	203	445	627	1022
LBS_M-11	Channel	201	456	628	1027
LBS_M-12A	Pipe	101	138	138	146
LBS_M-12B	Pipe	101	138	138	146
LBS_M-12C	Weir	0	222	384	804
LBS_M-13	Channel	469	524	634	1050
LBS_M-14	Channel	179	416	547	822
LBS_M-15	Channel	177	432	581	877
LBS_M-16	Channel	178	2519	3034	4905
LBS_M-17A	Pipe	132	135	135	133
LBS_M-17B	Weir	46	329	432	771
LBS_M-18	Channel	364	422	521	862
LBS_M-19	Channel	181	424	524	869
LBS_M-20A	Pipe	102	99	97	96
LBS_M-20B	Weir	122	382	486	887
LBS_M-21A	Pipe	65	73	75	76
LBS_M-21B	Weir	0	44	106	71
LBS_M-22	Channel	64	72	74	83
LBS_M-23	Channel	63	71	73	82
LBS_M-24	Channel	62	69	72	80
LBS_M-25A	Pipe	62	69	72	80
LBS_M-25B	Weir	0	0	0	0
LBS_M-26	Channel	61	68	70	81
LBS_M-27	Channel	52	75	106	182
<b>Scotts Neck North Basin</b>					
SNN_M-1A	Pipe	26	36	39	43
SNN_M-1B	Pipe	26	36	39	43
SNN_M-1C	Weir	0	0	0	73
SNN_M-2	Channel	57	83	95	160

TABLE J-13  
CONDUIT PEAK FLOWS  
BROAD RIVER WATERSHED  
FUTURE LAND USE

ICPR Conduit ID	Type	Future Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
SNN_M-3	Channel	35	48	52	65
SNN_M-4	Channel	30	40	43	55
<b>Tomotley Basin</b>					
TY_M-0A	Pipe	72	111	126	153
TY_M-0B	Weir	0	0	0	0
TY_M-1	Pipe	189	249	272	314
TY_M-2	Channel	256	412	618	987
TY_M-3	Channel	160	301	484	791
TY_M-4	Channel	176	341	546	889
TY_M-5A	Pipe	90	109	110	111
TY_M-5B	Pipe	90	109	110	111
TY_M-5C	Weir	0	134	347	707
TY_M-6	Channel	465	290	449	695
TY_M-7	Channel	326	482	518	731
TY_M-9	Channel	343	533	616	840
TY_T1-0	Channel	57	80	89	109
TY_T1-1	Channel	123	203	236	303
TY_T1-2	Channel	36	56	78	86
TY_T1-3	Channel	36	56	79	88
TY_T1-4A	Pipe	18	21	22	24
TY_T1-4B	Pipe	18	35	57	63
TY_T1a-0A	Pipe	117	182	206	251
TY_T1a-0B	Weir	0	0	0	0
TY_T1a-1	Weir	5	45	63	97
TY_T1b-0A	Pipe	52	86	98	121
TY_T1b-0B	Weir	0	0	0	0
TY_T1b-1	Weir	8	25	32	49
<b>Yemassee West Basin</b>					
YW_M-1	Channel	356	605	707	905
YW_M-2	Channel	369	627	734	938
YW_M-4	Channel	171	215	228	251
YW_M-5	Channel	172	216	228	250
YW_M-6	Pipe	172	217	228	250
YW_M-7	Channel	179	292	354	484
YW_M-8	Channel	702	714	719	729
YW_M-9	Channel	169	359	443	617
YW_M-10	Channel	233	423	500	663
YW_T1-1	Channel	73	221	239	250
YW_T1-2	Channel	76	155	223	373
YW_T1-3	Channel	7	14	18	25
YW_T1-4	Channel	6	10	11	14
YW_T1-5	Pipe	7	10	11	14



TABLE J-14  
 CONDUIT PEAK FLOWS  
 BROAD RIVER WATERSHED  
 FUTURE LAND USE WITH PLAN

ICPR Conduit ID	Type	Future Improved Land Use		
		Improved Conduit?	25-Year Design Storm	100-Year Design Storm
<b>Baynard Basin</b>				
BD_M-1A	Pipe	Yes	387.9	446.0
BD_M-1B	Pipe		0.0	53.4
BD_M-1C	Pipe		N/A	N/A
BD_M-1D	Weir		N/A	N/A
BD_M-2	Channel		388.1	499.5
BD_M-3A	Pipe		56.7	56.9
BD_M-3B	Weir		361.0	484.8
BD_M-4	Channel		213.1	245.9
BD_M-5	Channel		774.6	774.8
<b>Brays Island East Basin</b>				
BIE_M-1A	Pipe	Yes	292.7	333.9
BIE_M-1B	Weir		0.0	20.3
BIE_M-2	Channel		346.8	450.9
<b>Broad River Blvd. Basin</b>				
BRB_M-1A	Pipe	Yes	920.9	1068.8
BRB_M-1B	Pipe		0.0	0.0
BRB_M-1C	Weir		N/A	N/A
BRB_M-2	Channel		922.4	1070.0
BRB_M-3A	Pipe	Yes	925.3	960.1
BRB_M-3B	Pipe		0.0	575.1
BRB_M-3C	Weir		N/A	N/A
BRB_M-4	Channel		542.7	617.7
BRB_M-5	Channel		521.3	605.1
BRB_M-6	Channel		511.3	594.6
BRB_M-7	Channel		521.9	588.9
BRB_M-8	Channel		559.4	615.6
BRB_M-9A	Pipe	Yes	582.9	640.5
BRB_M-9B	Weir		0.0	0.0
<b>Habersham Creek North Basin</b>				
HCN_M-0A	Pipe		344.6	432.4
HCN_M-0B	Pipe		445.5	559.0
HCN_M-0C	Weir		0.0	0.0
HCN_M-1	Channel		693.1	909.8
HCN_M-2	Channel		696.0	950.5
HCN_M-3	Channel		566.3	798.0
HCN_M-4A	Pipe	Yes	566.3	767.4
HCN_M-4B	Pipe		0.0	68.8
HCN_M-4C	Pipe		N/A	N/A
HCN_M-4D	Pipe		N/A	N/A
HCN_M-4E	Pipe		N/A	N/A
HCN_M-4F	Pipe		N/A	N/A
HCN_M-4G	Weir		N/A	N/A
HCN_M-5	Channel		569.7	805.7
HCN_M-6	Channel		596.0	810.1
HCN_M-7	Channel		622.2	829.7
HCN_M-8	Channel		633.4	878.4
HCN_M-9	Channel		246.8	326.7
HCN_T1-1	Channel		173.9	212.4
HCN_T1-2	Channel		912.4	1116.3
HCN_T1-3A	Pipe	Yes	56.0	63.5

TABLE J-14  
 CONDUIT PEAK FLOWS  
 BROAD RIVER WATERSHED  
 FUTURE LAND USE WITH PLAN

ICPR Conduit ID	Type	Future Improved Land Use		
		Improved Conduit?	25-Year Design Storm	100-Year Design Storm
HCN_T1-3B	Pipe		63.1	66.9
HCN_T1-3C	Weir		63.1	66.9
<b>Habersham Creek West Basin</b>				
HCW_M-1	Channel		472.2	726.5
HCW_M-2A	Pipe	Yes	354.4	370.5
HCW_M-2B	Weir		0.0	213.5
<b>Laurel Bay South Basin</b>				
LBS_M-1A	Drop Structure	Yes	828.4	1085.1
LBS_M-1B	Weir		0.0	232.1
LBS_M-2A	Channel		724.1	1144.2
LBS_M-3A	Drop Structure		43.8	46.9
LBS_M-3B	Weir		680.5	1100.3
LBS_M-4	Channel		724.3	1149.7
LBS_M-5	Channel		724.5	1155.4
LBS_M-6A	Pipe	Yes	724.6	1031.9
LBS_M-6B	Pipe		0.0	125.7
LBS_M-6C	Weir		N/A	N/A
LBS_M-7	Channel		724.8	1160.2
LBS_M-8	Channel		725.7	1171.2
LBS_M-9A	Pipe	Yes	725.6	933.4
LBS_M-9B	Pipe		0.0	272.8
LBS_M-9C	Weir		N/A	N/A
LBS_M-10	Channel		615.9	954.4
LBS_M-11	Channel		611.9	956.9
LBS_M-12A	Pipe	Yes	614.2	648.7
LBS_M-12B	Pipe		0.0	344.2
LBS_M-12C	Weir		N/A	N/A
LBS_M-13	Channel		669.5	968.5
LBS_M-14	Channel		559.7	803.5
LBS_M-15	Channel		574.8	852.1
LBS_M-16	Channel		2718.9	4456.7
LBS_M-17A	Pipe	Yes	584.0	873.7
LBS_M-17B	Weir		0.0	42.0
LBS_M-18	Channel		583.9	819.5
LBS_M-19	Channel		N/A	N/A
LBS_M-20A	Pipe	Yes	589.8	733.8
LBS_M-20B	Weir		0.0	278.8
LBS_M-21A	Pipe	Yes	137.9	127.5
LBS_M-21B	Weir		0.0	40.3
LBS_M-22	Channel		121.0	122.1
LBS_M-23	Channel		110.0	120.3
LBS_M-24	Channel		110.0	120.3
LBS_M-25A	Pipe		110.1	120.3
LBS_M-25B	Weir		0.0	0.0
LBS_M-26	Channel		111.0	122.8
LBS_M-27	Channel		149.8	190.3
<b>Scotts Neck North Basin</b>				
SNN_M-1A	Pipe	Yes	179.8	208.5
SNN_M-1B	Pipe		0.0	3.5
SNN_M-1C	Weir		N/A	N/A
SNN_M-2	Channel		183.2	214.8

TABLE J-14  
 CONDUIT PEAK FLOWS  
 BROAD RIVER WATERSHED  
 FUTURE LAND USE WITH PLAN

ICPR Conduit ID	Type	Future Improved Land Use		
		Improved Conduit?	25-Year Design Storm	100-Year Design Storm
SNN_M-3	Channel		101.5	121.6
SNN_M-4	Channel		84.9	100.2
<b>Tomotley Basin</b>				
TY_M-0A	Pipe		128.9	156.6
TY_M-0B	Weir		N/A	N/A
TY_M-1	Pipe		281.2	318.1
TY_M-2	Channel		618.3	772.1
TY_M-3	Channel		433.1	591.4
TY_M-4	Channel		495.2	670.7
TY_M-5A	Pipe	Yes	513.6	566.7
TY_M-5B	Pipe		0.0	150.8
TY_M-5C	Weir		N/A	N/A
TY_M-6	Channel		408.7	531.7
TY_M-7	Channel		599.1	718.8
TY_M-9	Channel		616.2	774.7
TY_T1-0	Channel		76.4	105.1
TY_T1-1	Channel		232.2	298.1
TY_T1-2	Channel		78.2	86.7
TY_T1-3	Channel		78.9	88.4
TY_T1-4A	Pipe		22.0	24.4
TY_T1-4B	Pipe		57.4	63.2
TY_T1a-0A	Pipe		211.4	256.8
TY_T1a-0B	Weir		0.0	0.0
TY_T1a-1	Weir		56.8	89.1
TY_T1b-0A	Pipe		100.5	124.2
TY_T1b-0B	Weir		0.0	0.0
TY_T1b-1	Weir		31.1	46.7
<b>Yemassee West Basin</b>				
YW_M-1	Channel		707.5	905.3
YW_M-2	Channel		734.0	938.0
YW_M-4	Channel		227.7	250.6
YW_M-5	Channel		228.3	250.1
YW_M-6	Pipe		228.4	250.2
YW_M-7	Channel		353.6	483.9
YW_M-8	Channel		719.2	731.0
YW_M-9	Channel		443.0	617.1
YW_M-10	Channel		500.5	662.7
YW_T1-1	Channel		239.4	250.1
YW_T1-2	Channel		222.8	373.3
YW_T1-3	Channel		18.0	24.8
YW_T1-4	Channel		11.4	14.4
YW_T1-5	Pipe		11.5	14.5

**Road overtopping at Baynard Road**  
**Replace existing 1 - 48" RCP and 2 - 42" RCP with 1 - 10'x5' box culvert**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$ 5,000.00	1	\$ 5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$ 2,500.00	1	\$ 2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$ 825.00	55	\$ 45,400.00
D. Apron	EA	\$ 2,510.00	2	\$ 5,000.00
E. Wingwalls and Parapet	EA	\$ 2,950.00	2	\$ 5,900.00
F. Road Fill and Compaction	CY	\$ 10.00	0	\$ -
G. Remove and Replace Pavement	SY	\$ 50.00	100	\$ 5,000.00
H. Curb and Gutter	LF	\$ 15.00	60	\$ 900.00
	<b>Subtotal</b>			<b>\$ 70,000.00</b>
	Contingency (20% of subtotal)			\$ 14,000.00
	Engineering/Legal/Administrative (12% of subtotal)			\$ 8,400.00
	<b>Total</b>			<b>\$ 92,000.00</b>

**Road overtopping at Savannah Highway (State Hwy 802)**  
**Replace existing 1 - 36" CMP with 1 - 8'x5' box culvert**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$ 5,000.00	1 \$	5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$ 2,500.00	1 \$	2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$ 750.00	60 \$	45,000.00
D. Apron	EA	\$ 2,450.00	2 \$	4,900.00
E. Wingwalls and Parapet	EA	\$ 4,725.00	2 \$	9,500.00
F. Road Fill and Compaction	CY	\$ 10.00	0 \$	-
G. Remove and Replace Pavement	SY	\$ 50.00	93 \$	4,700.00
H. Curb and Gutter	LF	\$ 15.00	56 \$	800.00
	<b>Subtotal</b>		<b>\$</b>	<b>72,000.00</b>
	Contingency (20% of subtotal)		\$	14,400.00
	Engineering/Legal/Administrative (12% of subtotal)		\$	8,600.00
	<b>Total</b>		<b>\$</b>	<b>95,000.00</b>

**Road overtopping at Savannah Highway (State Hwy 802)**  
**Replace existing 1 - 36" RCP and 1 - 48" RCP with 1 - 16'x8' box culvert**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$ 5,000.00	1	\$ 5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$ 2,500.00	1	\$ 2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$ 1,840.00	100	\$ 184,000.00
D. Apron	EA	\$ 3,540.00	2	\$ 7,100.00
E. Wingwalls and Parapet	EA	\$ 3,870.00	2	\$ 7,700.00
F. Road Fill and Compaction	CY	\$ 10.00	0	\$ -
G. Remove and Replace Pavement	SY	\$ 50.00	120	\$ 6,000.00
H. Curb and Gutter	LF	\$ 15.00	72	\$ 1,100.00
	<b>Subtotal</b>			<b>\$ 213,000.00</b>
	Contingency (20% of subtotal)			\$ 42,600.00
	Engineering/Legal/Administrative (12% of subtotal)			\$ 25,600.00
	<b>Total</b>			<b>\$ 281,000.00</b>

**Road overtopping at Grober Hill Road**  
**Replace existing 1 - 24" RCP and 1 - 36" RCP with 3 - 10'x5' box culverts**  
**Raise road 1.2 ft (length of 400 ft)**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$ 5,000.00	1	\$ 5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$ 2,500.00	1	\$ 2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$ 2,475.00	40	\$ 99,000.00
D. Apron	EA	\$ 7,525.00	2	\$ 15,100.00
E. Wingwalls and Parapet	EA	\$ 8,825.00	2	\$ 17,700.00
F. Road Fill and Compaction	CY	\$ 10.00	596	\$ 6,000.00
G. Remove and Replace Pavement	SY	\$ 50.00	1,333	\$ 66,700.00
H. Curb and Gutter	LF	\$ 15.00	800	\$ 12,000.00
	<b>Subtotal</b>			<b>\$ 224,000.00</b>
	Contingency (20% of subtotal)			\$ 44,800.00
	Engineering/Legal/Administrative (12% of subtotal)			\$ 26,900.00
	<b>Total</b>			<b>\$ 296,000.00</b>

**Road overtopping at Robert Smalls Parkway (State Hwy 170)**  
**Replace existing 1 - 48" RCP with 3 - 8'x4' box culverts**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$ 5,000.00	1	\$ 5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$ 2,500.00	1	\$ 2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$ 1,825.00	220	\$ 401,500.00
D. Apron	EA	\$ 4,630.00	2	\$ 9,300.00
E. Wingwalls and Parapet	EA	\$ 5,800.00	2	\$ 11,600.00
F. Road Fill and Compaction	CY	\$ 10.00	0	\$ -
G. Remove and Replace Pavement	SY	\$ 50.00	153	\$ 7,700.00
H. Curb and Gutter	LF	\$ 15.00	92	\$ 1,400.00
	<b>Subtotal</b>			<b>\$ 439,000.00</b>
	Contingency (20% of subtotal)			\$ 87,800.00
	Engineering/Legal/Administrative (12% of subtotal)			\$ 52,700.00
	<b>Total</b>			<b>\$ 580,000.00</b>



**Road overtopping at Burton Wells Road**  
**Replace existing 6 - 30" RCP with 3 - 7'x4' box culverts**  
**Raise road 1.5 ft (length of 570 ft)**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$ 5,000.00	1	\$ 5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$ 2,500.00	1	\$ 2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$ 1,620.00	60	\$ 97,200.00
D. Apron	EA	\$ 4,590.00	2	\$ 9,200.00
E. Wingwalls and Parapet	EA	\$ 6,940.00	2	\$ 13,900.00
F. Road Fill and Compaction	CY	\$ 10.00	1,147	\$ 11,500.00
G. Remove and Replace Pavement	SY	\$ 50.00	1,900	\$ 95,000.00
H. Curb and Gutter	LF	\$ 15.00	1,140	\$ 17,100.00
	<b>Subtotal</b>			<b>\$ 251,000.00</b>
	Contingency (20% of subtotal)			\$ 50,200.00
	Engineering/Legal/Administrative (12% of subtotal)			\$ 30,100.00
	<b>Total</b>			<b>\$ 331,000.00</b>

**Road overtopping at Pine Grove Road  
Add 1 - 36" RCP to existing 2 - 36" RCP**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$ 5,000.00	1 \$	5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$ 2,500.00	1 \$	2,500.00
C. Culvert Construction (includes excavation & backfill)	LF	\$ 40.00	60 \$	2,400.00
D. Beveled End Section	EA	\$ 800.00	2 \$	1,600.00
E. Road Fill and Compaction	CY	\$ 10.00	0 \$	-
F. Remove and Replace Pavement	SY	\$ 50.00	77 \$	3,800.00
G. Curb and Gutter	LF	\$ 15.00	46 \$	700.00
	<b>Subtotal</b>		<b>\$</b>	<b>16,000.00</b>
	Contingency (20% of subtotal)		\$	3,200.00
	Engineering/Legal/Administrative (12% of subtotal)		\$	1,900.00
	<b>Total</b>		<b>\$</b>	<b>21,000.00</b>

**Road overtopping at Cherokee Farms Road**  
**Replace existing 1 - 36" RCP with 2 - 8'x4' box culverts**  
**Raise road 1.0 ft (length of 290 ft)**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$ 5,000.00	1	\$ 5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$ 2,500.00	1	\$ 2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$ 1,270.00	30	\$ 38,100.00
D. Apron	EA	\$ 3,370.00	2	\$ 6,700.00
E. Wingwalls and Parapet	EA	\$ 4,900.00	2	\$ 9,800.00
F. Road Fill and Compaction	CY	\$ 10.00	337	\$ 3,400.00
G. Remove and Replace Pavement	SY	\$ 50.00	967	\$ 48,300.00
H. Curb and Gutter	LF	\$ 15.00	580	\$ 8,700.00
	<b>Subtotal</b>			<b>\$ 123,000.00</b>
	Contingency (20% of subtotal)			\$ 24,600.00
	Engineering/Legal/Administrative (12% of subtotal)			\$ 14,800.00
	<b>Total</b>			<b>\$ 162,000.00</b>

**Road overtopping at Heronwyck Plantation Road**

**Replace existing 1 - 30" RCP with 2 - 11'x7' box culverts**

**Replace existing 1 - 36"x36" horizontal weir riser with 4 - 72"x72" horizontal weir risers**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$ 5,000.00	1	\$ 5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$ 2,500.00	1	\$ 2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$ 1,860.00	35	\$ 65,100.00
D. Apron	EA	\$ 5,650.00	2	\$ 11,300.00
E. Wingwalls and Parapet	EA	\$ 6,620.00	2	\$ 13,200.00
F. Road Fill and Compaction	CY	\$ 10.00	0	\$ -
G. Remove and Replace Pavement	SY	\$ 50.00	143	\$ 7,200.00
H. Curb and Gutter	LF	\$ 15.00	86	\$ 1,300.00
I. Riser Structure	EA	\$ 2,000.00	4	\$ 8,000.00
	<b>Subtotal</b>			<b>\$ 114,000.00</b>
	Contingency (20% of subtotal)			\$ 22,800.00
	Engineering/Legal/Administrative (12% of subtotal)			\$ 13,700.00
	<b>Total</b>			<b>\$ 151,000.00</b>

**Road overtopping at Morrell Drive**  
**Replace existing 2 - 42" RCP with 2 - 12'x6' box culverts**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$ 5,000.00	1 \$	5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$ 2,500.00	1 \$	2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$ 1,860.00	60 \$	111,600.00
D. Apron	EA	\$ 5,650.00	2 \$	11,300.00
E. Wingwalls and Parapet	EA	\$ 6,620.00	2 \$	13,200.00
F. Road Fill and Compaction	CY	\$ 10.00	0 \$	-
G. Remove and Replace Pavement	SY	\$ 50.00	150 \$	7,500.00
H. Curb and Gutter	LF	\$ 15.00	90 \$	1,400.00
	<b>Subtotal</b>			<b>\$ 153,000.00</b>
	Contingency (20% of subtotal)		\$	30,600.00
	Engineering/Legal/Administrative (12% of subtotal)		\$	18,400.00
	<b>Total</b>		<b>\$</b>	<b>202,000.00</b>

**Road overtopping at Joe Frazier Road**  
**Replace existing 2 - 48" RCP with 2 - 8'x4' box culverts**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$ 5,000.00	1	\$ 5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$ 2,500.00	1	\$ 2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$ 1,420.00	60	\$ 85,200.00
D. Apron	EA	\$ 4,200.00	2	\$ 8,400.00
E. Wingwalls and Parapet	EA	\$ 8,000.00	2	\$ 16,000.00
F. Road Fill and Compaction	CY	\$ 10.00	0	\$ -
G. Remove and Replace Pavement	SY	\$ 50.00	123	\$ 6,200.00
H. Curb and Gutter	LF	\$ 15.00	74	\$ 1,100.00
	<b>Subtotal</b>			<b>\$ 124,000.00</b>
	Contingency (20% of subtotal)			\$ 24,800.00
	Engineering/Legal/Administrative (12% of subtotal)			\$ 14,900.00
	<b>Total</b>			<b>\$ 164,000.00</b>

**Road overtopping at Laurel Bay Road**  
**Replace existing 2 - 48" RCP with 1 - 10'x6' box culvert**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$ 5,000.00	1 \$	5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$ 2,500.00	1 \$	2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$ 990.00	50 \$	49,500.00
D. Apron	EA	\$ 3,010.00	2 \$	6,000.00
E. Wingwalls and Parapet	EA	\$ 3,530.00	2 \$	7,100.00
F. Road Fill and Compaction	CY	\$ 10.00	0 \$	-
G. Remove and Replace Pavement	SY	\$ 50.00	100 \$	5,000.00
H. Curb and Gutter	LF	\$ 15.00	60 \$	900.00
	<b>Subtotal</b>		<b>\$</b>	<b>76,000.00</b>
	Contingency (20% of subtotal)		\$	15,200.00
	Engineering/Legal/Administrative (12% of subtotal)		\$	9,100.00
	<b>Total</b>		<b>\$</b>	<b>100,000.00</b>

**Road overtopping at Mroz Road**  
**Replace existing 1 - 48" RCP with 2 - 12'x6' box culverts**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$ 5,000.00	1	\$ 5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$ 2,500.00	1	\$ 2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$ 1,860.00	90	\$ 167,400.00
D. Apron	EA	\$ 5,650.00	2	\$ 11,300.00
E. Wingwalls and Parapet	EA	\$ 6,620.00	2	\$ 13,200.00
F. Road Fill and Compaction	CY	\$ 10.00	0	\$ -
G. Remove and Replace Pavement	SY	\$ 50.00	250	\$ 12,500.00
H. Curb and Gutter	LF	\$ 15.00	90	\$ 1,400.00
	<b>Subtotal</b>			<b>\$ 213,000.00</b>
	Contingency (20% of subtotal)			\$ 42,600.00
	Engineering/Legal/Administrative (12% of subtotal)			\$ 25,600.00
	<b>Total</b>			<b>\$ 281,000.00</b>



**Road overtopping at Schein Loop**  
**Replace existing 1 - 48" CMP with 2 - 12'x8' box culverts**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$ 5,000.00	1	\$ 5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$ 2,500.00	1	\$ 2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$ 2,750.00	65	\$ 178,800.00
D. Apron	EA	\$ 5,300.00	2	\$ 10,600.00
E. Wingwalls and Parapet	EA	\$ 5,800.00	2	\$ 11,600.00
F. Road Fill and Compaction	CY	\$ 10.00	0	\$ -
G. Remove and Replace Pavement	SY	\$ 50.00	150	\$ 7,500.00
H. Curb and Gutter	LF	\$ 15.00	90	\$ 1,400.00
	<b>Subtotal</b>			<b>\$ 217,000.00</b>
	Contingency (20% of subtotal)			\$ 43,400.00
	Engineering/Legal/Administrative (12% of subtotal)			\$ 26,000.00
	<b>Total</b>			<b>\$ 286,000.00</b>

**Road overtopping at Schein Road**  
**Replace existing 1 - 48" CMP with 2 - 9'x6' box culverts**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$ 5,000.00	1	\$ 5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$ 2,500.00	1	\$ 2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$ 1,475.00	50	\$ 73,800.00
D. Apron	EA	\$ 4,950.00	2	\$ 9,900.00
E. Wingwalls and Parapet	EA	\$ 6,950.00	2	\$ 13,900.00
F. Road Fill and Compaction	CY	\$ 10.00	0	\$ -
G. Remove and Replace Pavement	SY	\$ 50.00	130	\$ 6,500.00
H. Curb and Gutter	LF	\$ 15.00	78	\$ 1,200.00
	<b>Subtotal</b>			<b>\$ 113,000.00</b>
	Contingency (20% of subtotal)			\$ 22,600.00
	Engineering/Legal/Administrative (12% of subtotal)			\$ 13,600.00
	<b>Total</b>			<b>\$ 149,000.00</b>

**Road overtopping at William Campbell Road**  
**Replace existing 2 - 30" RCP with 1 - 6'x4' box culvert**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$ 5,000.00	1 \$	5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$ 2,500.00	1 \$	2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$ 500.00	45 \$	22,500.00
D. Apron	EA	\$ 1,500.00	2 \$	3,000.00
E. Wingwalls and Parapet	EA	\$ 3,100.00	2 \$	6,200.00
F. Road Fill and Compaction	CY	\$ 10.00	0 \$	-
G. Remove and Replace Pavement	SY	\$ 50.00	87 \$	4,300.00
H. Curb and Gutter	LF	\$ 15.00	52 \$	800.00
	<b>Subtotal</b>		<b>\$</b>	<b>44,000.00</b>
	Contingency (20% of subtotal)		\$	8,800.00
	Engineering/Legal/Administrative (12% of subtotal)		\$	5,300.00
	<b>Total</b>		<b>\$</b>	<b>58,000.00</b>

**Road overtopping at Cotton Hill Road**  
**Replace existing 2 - 48" RCP with 1 - 12'x6' box culvert**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$ 5,000.00	1 \$	5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$ 2,500.00	1 \$	2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$ 990.00	50 \$	49,500.00
D. Apron	EA	\$ 3,010.00	2 \$	6,000.00
E. Wingwalls and Parapet	EA	\$ 3,530.00	2 \$	7,100.00
F. Road Fill and Compaction	CY	\$ 10.00	0 \$	-
G. Remove and Replace Pavement	SY	\$ 50.00	107 \$	5,300.00
H. Curb and Gutter	LF	\$ 15.00	64 \$	1,000.00
	<b>Subtotal</b>		<b>\$</b>	<b>76,000.00</b>
	Contingency (20% of subtotal)		\$	15,200.00
	Engineering/Legal/Administrative (12% of subtotal)		\$	9,100.00
	<b>Total</b>		<b>\$</b>	<b>100,000.00</b>

A:BD\_M-19  
U:BD\_M2

C:BD\_M-5

A:BD\_M-12

C:BD\_M-4

A:BD\_M-3  
U:BD\_M1

P:BD\_M-3A  
W:BD\_M-3B

A:BD\_M-2

C:BD\_M-2

A:BD\_M-1

P:BD\_M-1A  
P:BD\_M-1B  
P:BD\_M-1C  
W:BD\_M-1D

T:BD\_M-0

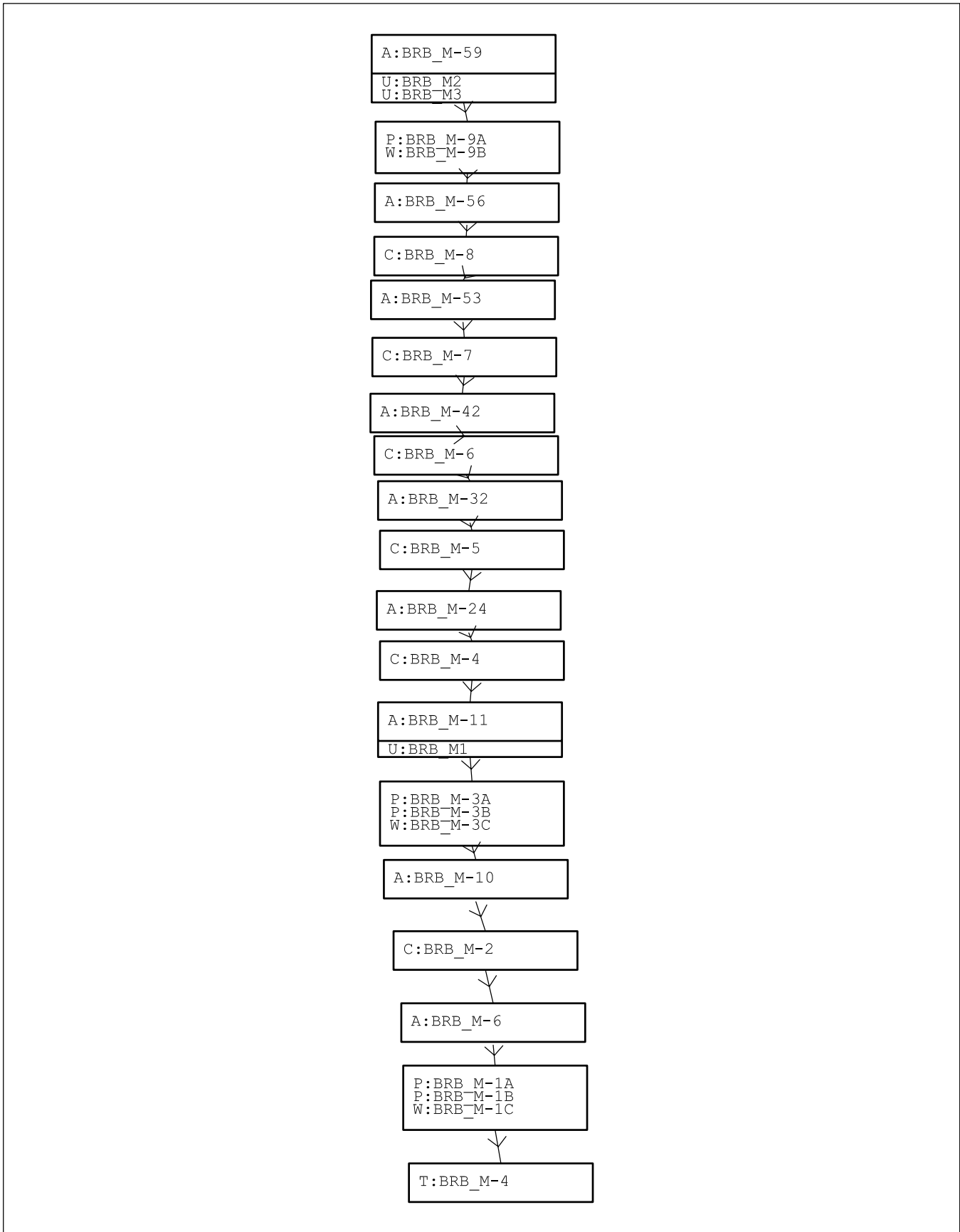
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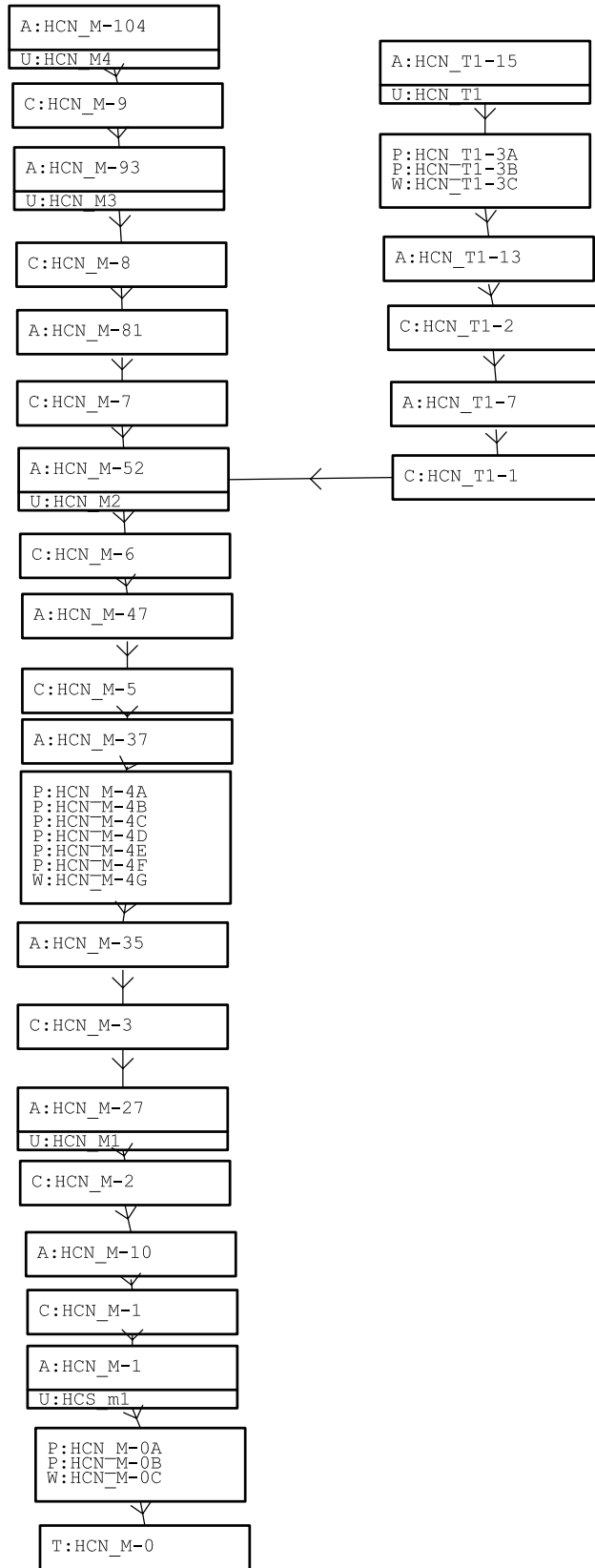
C:BIE\_M-2

A:BIE\_M-4

P:BIE\_M-1A  
W:BIE\_M-1B

T:BIE\_M-2







A:HCW\_M-21  
U:HCW\_M2

P:HCW\_M-3A  
W:HCW\_M-3B

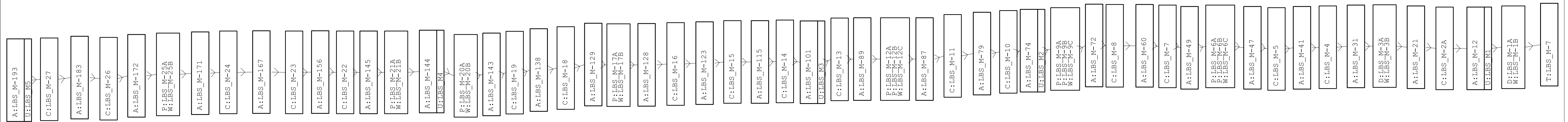
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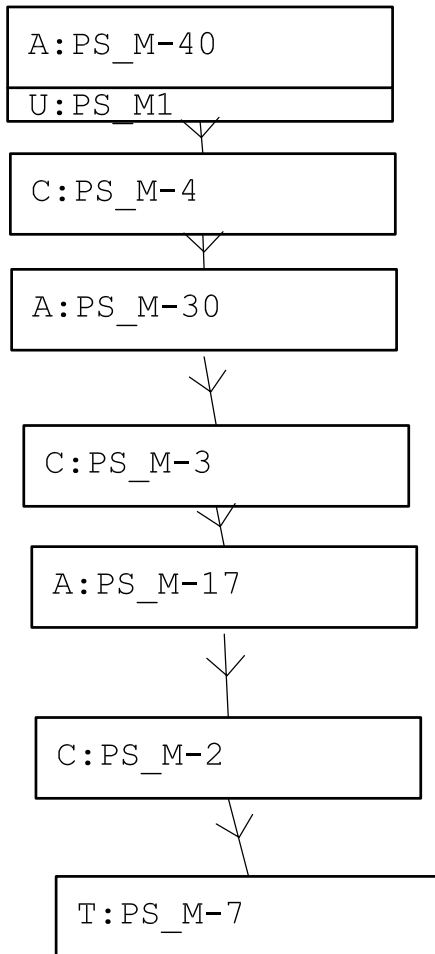
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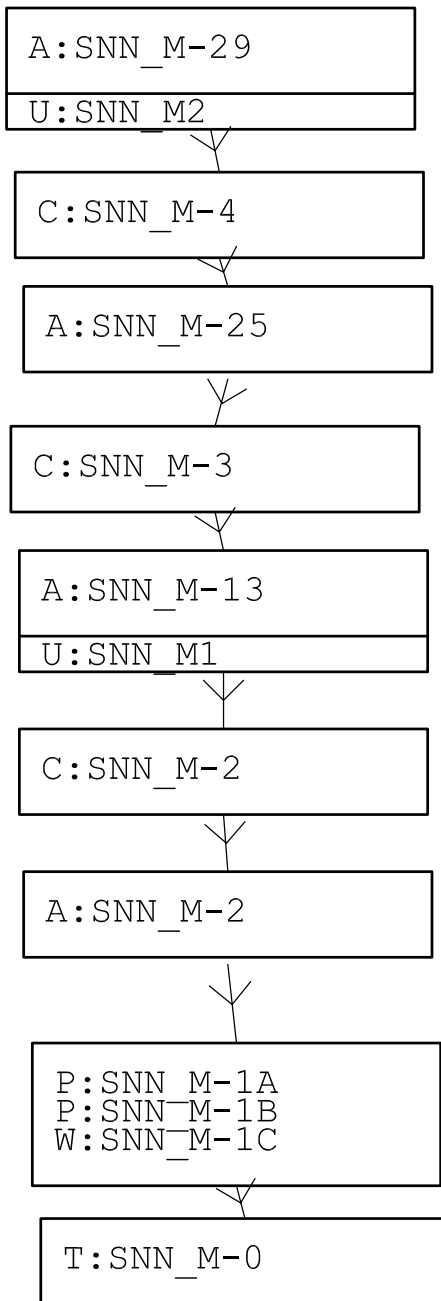
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C:HCW\_M-1

T:HCW\_M-4  
U:HCW\_M1





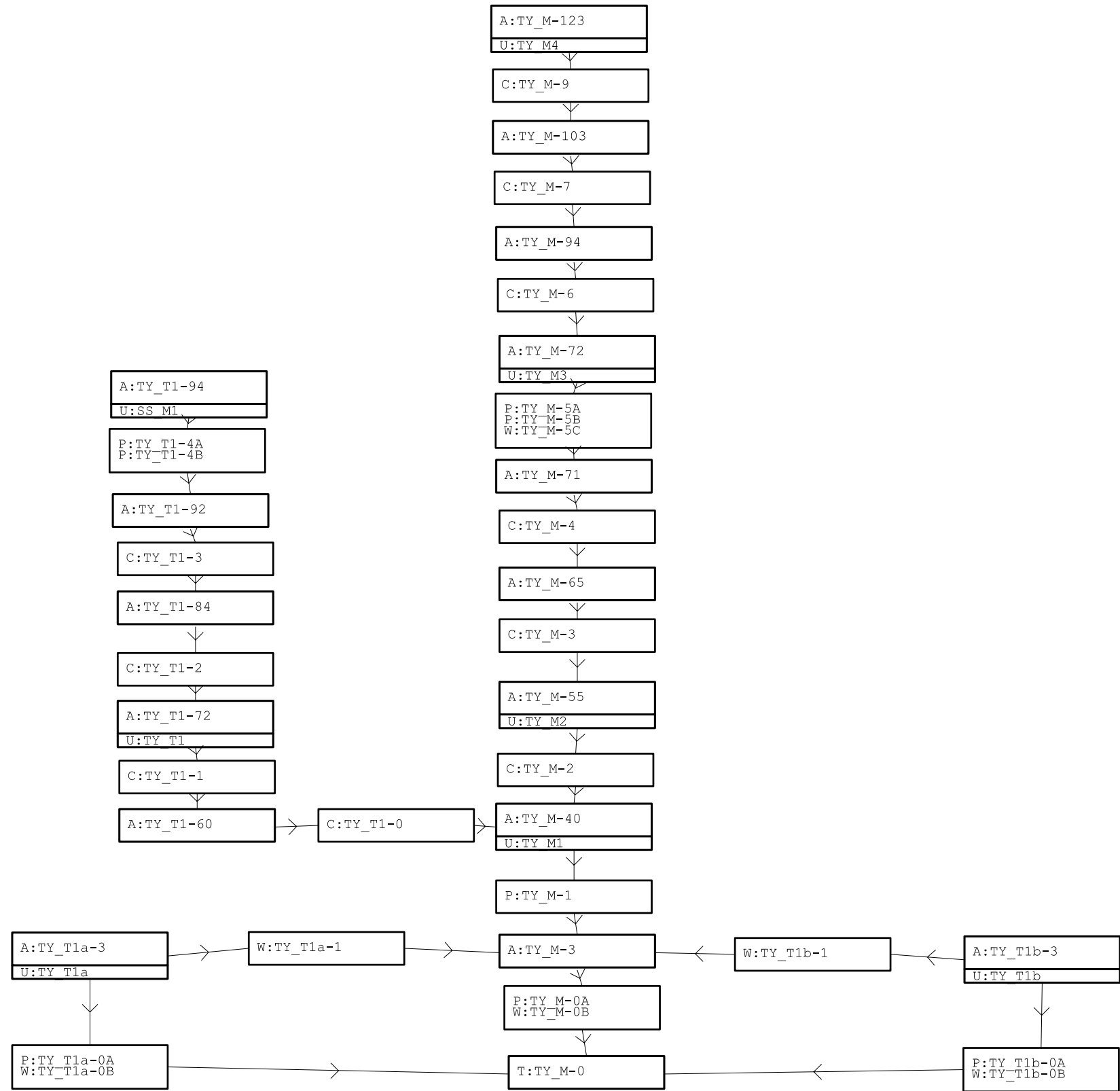


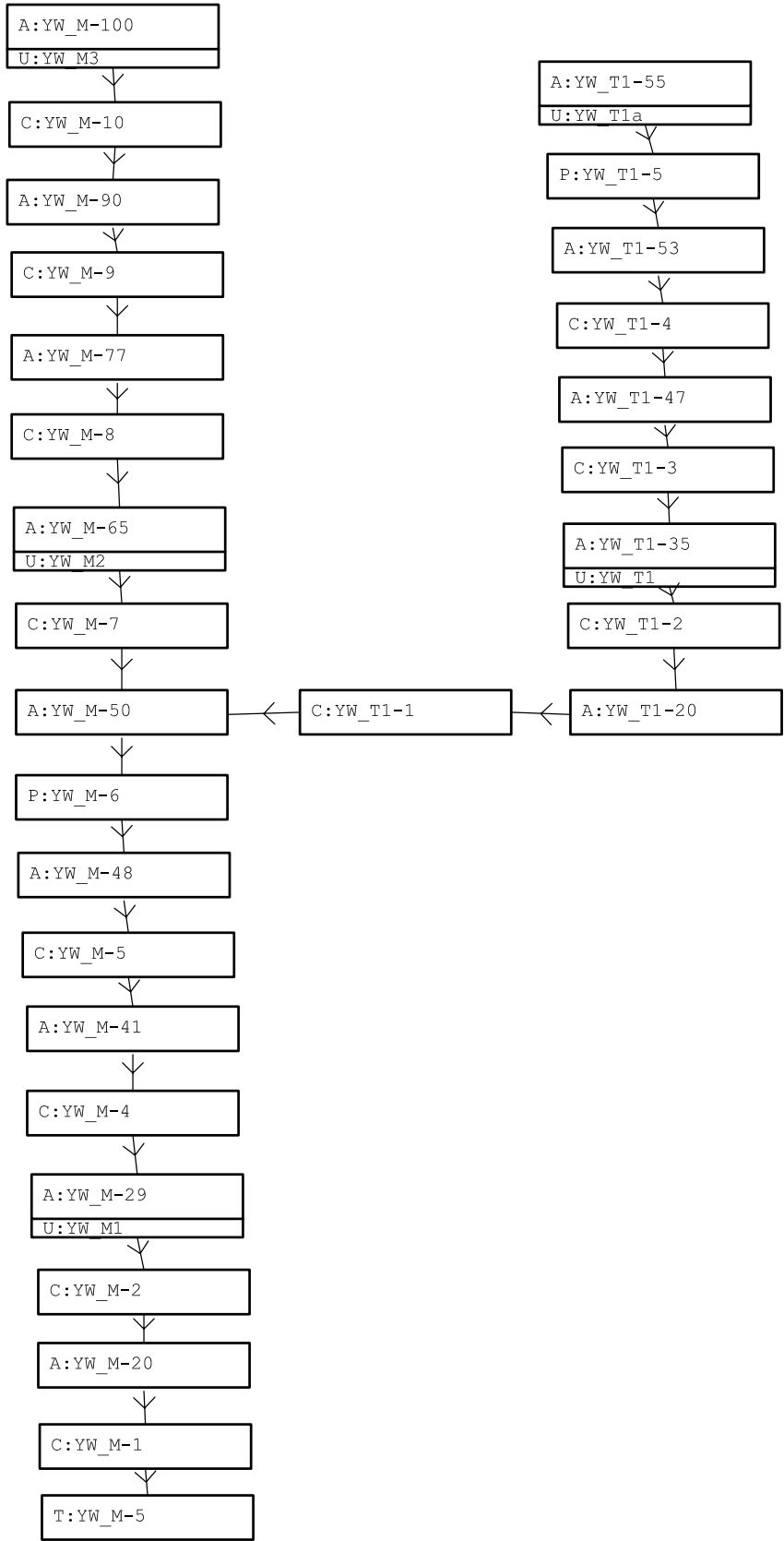
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U: SNW\_M1

C: SNW\_M-1

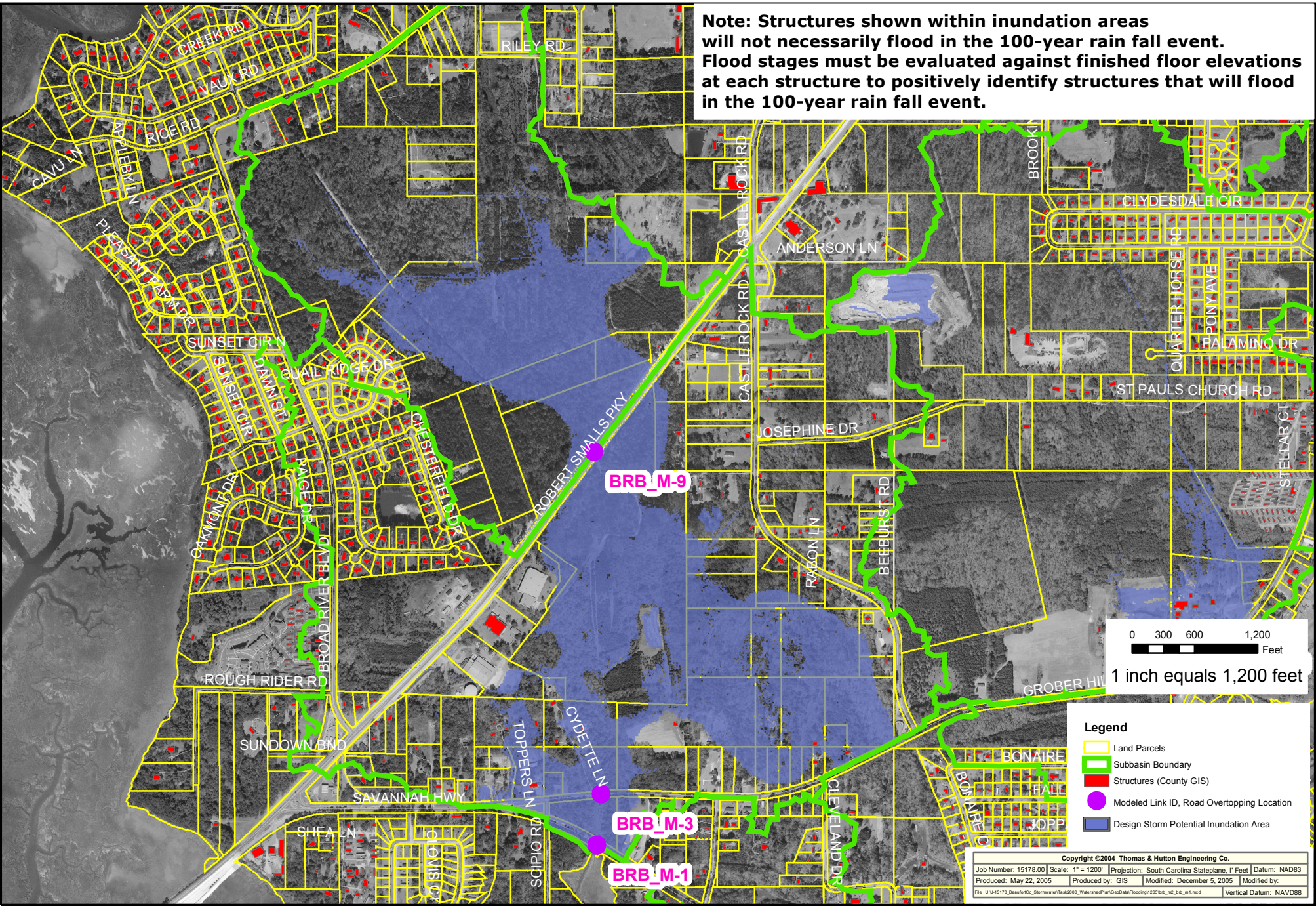
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**Note: Structures shown within inundation areas will not necessarily flood in the 100-year rain fall event. Flood stages must be evaluated against finished floor elevations at each structure to positively identify structures that will flood in the 100-year rain fall event.**



0 300 600 1,200 Feet  
1 inch equals 1,200 feet

- Legend**
- Land Parcels
  - Subbasin Boundary
  - Structures (County GIS)
  - Modeled Link ID, Road Overlapping Location
  - Design Storm Potential Inundation Area

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 Job Number: 15178.00 Scale: 1" = 1200' Projection: South Carolina Stateplane, 1' Feet Datum: NAD83  
 Produced: May 22, 2005 Produced by: GIS Modified: December 5, 2005 Modified by:  
 File: U:\15178\_BeaufortCo\_Stormwater\Task2005\_WatershedPlan\GIS\Map\Boding1205brb\_m2\_bas\_m1.mxd Vertical Datum: NAVD88

**Disclaimer**  
 Thomas & Hutton Engineering Co. compiled the map information from the following sources:

DATA	SOURCE	DATE
Parcels	Beaufort County	2005
Aerial Photography	Beaufort County	2002
Buildings	Beaufort County	2002

Thomas & Hutton used the above data "as is", and has made no independent investigation of the data nor makes any representation as to the accuracy or completeness of the data. Please see each source for available documentation of its respective data sets.

DATA	SOURCE	DATE
Subbasins	T&H / CDM	2004
Design Storm Potential Inundation Area	T&H / CDM	2005

**Modeled 100-Year Design Storm Potential Inundation Area**  
**Broad Watershed - Broad River Boulevard Basin**  
 Figure J-1



## Appendix K

### 2006 Supporting Data for Combahee River Watershed

TABLE K-1  
CHANNEL INPUT DATA  
COMBAHEE WATERSHED

ICPR Channel ID	Length (ft)	Maximum Depth (ft)	Top Width (ft)	Manning's n
<b>Combahee East Basin</b>				
CE_M-1	1,460	7.3	2,695	0.070
CE_M-2	1,149	7.4	2,440	0.070
CE_M-3	902	8.8	2,106	0.035
CE_M-4	1,183	6.2	3,783	0.035
CE_M-5	854	6.5	4,380	0.070
<b>Combahee Middle Basin</b>				
No channels in this basin				
<b>Combahee North Basin</b>				
CHN_M-2	990	8.0	1,737	0.070
CHN_M-18	600	7.6	2,262	0.070
<b>Combahee West Basin</b>				
CW_M-2	1,876	6.6	3,060	0.070
CW_M-3	1,300	10.9	3,462	0.070
CW_M-4	1,300	8.9	2,269	0.070
CW_M-5	1,452	9.8	2,380	0.070
CW_M-6	1,400	10.1	2,642	0.070
CW_M-7	1,200	10.3	2,664	0.070
CW_M-8	775	10.9	2,995	0.070
CW_M-9	1,400	9.4	2,426	0.070
CW_M-11	750	8.4	2,890	0.070
CW_M-12	614	7.0	2,554	0.070
CW_M-14	2,000	6.3	1,844	0.070
CW_M-15	1,300	7.2	3,063	0.035
CW_M-16	1,300	8.0	3,038	0.070
CW_M-17	1,317	15.2	3,298	0.070
CW_M-18	1,209	8.3	2,302	0.070
CW_M-19	509	12.0	2,738	0.070
CW_T2-1	1,320	8.3	613	0.035
CW_T2-3	1,080	5.4	774	0.035
CW_T2-4	1,030	8.3	816	0.035
CW_T2-5	730	6.0	637	0.070
CW_T2-6	1,040	7.9	907	0.035
CW_T2-7	1,070	5.5	892	0.070
CW_T3-1	880	4.3	630	0.070
CW_T3-3	1,000	9.8	1,027	0.070
CW_T3-4	1,700	10.2	1,293	0.035
CW_T4-1	1,970	5.3	1,929	0.070
<b>Yemassee East Basin</b>				
YE_M-2	935	8.1	2,920	0.070
YE_M-3	905	10.5	2,635	0.070

TABLE K-2  
WEIR INPUT DATA  
COMBAHEE WATERSHED

ICPR Weir ID	Type	Crest Elevation (ft)	Geometry	Span (ft)	Rise (ft)
<b>Combahee East Basin</b>					
CE_M-0B	Paved Road	6.0	Rectangular	500	N/A
<b>Combahee Middle Basin</b>					
No weirs in this basin					
<b>Combahee North Basin</b>					
No weirs in this basin					
<b>Combahee West Basin</b>					
CW_M-10B	Paved Road	4.0	Rectangular	1,000	N/A
CW_M-13E	Paved Road	5.0	Rectangular	1,000	N/A
CW_T2-2C	Paved Road	7.7	Irregular	615	N/A
CW_T3-2C	Paved Road	5.4	Irregular	694	N/A
<b>Yemassee East Basin</b>					
YE_M-1B	Gravel Road	8.6	Irregular	1,296	N/A
YE_M-4B	Paved Road	9.4	Irregular	2,111	N/A

TABLE K-3  
TIDE GATES  
COMBAHEE WATERSHED

ICPR Conduit ID	Tide Gate Description
<b>Combahee East Basin</b>	
	No tide gates in this basin
<b>Combahee Middle Basin</b>	
	No tide gates in this basin
<b>Combahee North Basin</b>	
	No tide gates in this basin
<b>Combahee West Basin</b>	
	No tide gates in this basin
<b>Yemassee East Basin</b>	
	No tide gates in this basin

TABLE K-4  
 STORAGE AREA INPUT DATA  
 COMBAHEE WATERSHED

ICPR Node ID	Minimum Stage (ft)	Minimum Surface Area (ac)	Maximum Stage (ft)	Maximum Surface Area (ac)
<b>Combahee East Basin</b>				
No storage nodes in this basin				
<b>Combahee Middle Basin</b>				
CM_M-1	0	0.56	6	46.96
CM_M-2	0	0.01	12	160.42
<b>Combahee North Basin</b>				
No storage nodes in this basin				
<b>Combahee West Basin</b>				
CW_M-1	0	37.22	12	189.17
CW_M-239	3	0.88	23	257.46
<b>Yemassee East Basin</b>				
YE_M-24	4	1.43	23	130.99

TABLE K-5  
SUBBASIN PEAK FLOW VALUES FOR 2-YEAR DESIGN STORM  
COMBAHEE WATERSHED

ICPR Subbasin ID	Tributary Area (acres)	Peak Flow (cfs)				
		Undeveloped	Existing Uncontrolled	Existing Controlled	Future Uncontrolled	Future Controlled
<b>Combahee East Basin</b>						
CE_M1	344	164	171	171	171	171
CE_M2	411	213	241	241	241	241
CE_M3	314	146	155	155	155	155
<b>Combahee Middle Basin</b>						
CM_M1	207	163	166	166	166	166
<b>Combahee North Basin</b>						
CHN_M1	358	201	230	230	230	230
<b>Combahee West Basin</b>						
CW_M1	121	121	135	135	135	135
CW_M2	326	168	176	176	176	176
CW_M3	91	66	80	80	80	80
CW_M4	661	400	446	446	446	446
CW_M5	362	282	314	314	314	314
CW_M6	319	230	265	265	265	265
CW_M7	257	239	240	240	240	240
CW_T1	314	214	229	229	229	229
CW_T2	412	192	200	200	201	200
CW_T3	450	208	247	247	247	247
CW_T4	320	269	287	287	287	287
<b>Yemassee East Basin</b>						
YE_M1	167	167	187	187	187	187
YE_M2	281	281	281	281	281	281
AVERAGE	301	196	213	213	213	213

TABLE K-6  
SUBBASIN PEAK FLOW VALUES FOR 10-YEAR DESIGN STORM  
COMBAHEE WATERSHED

ICPR Subbasin ID	Tributary Area (acres)	Peak Flow (cfs)				
		Undeveloped	Existing Uncontrolled	Existing Controlled	Future Uncontrolled	Future Controlled
<b>Combahee East Basin</b>						
CE_M1	344	304	314	314	314	314
CE_M2	411	382	420	420	420	420
CE_M3	314	274	287	287	287	287
<b>Combahee Middle Basin</b>						
CM_M1	207	270	275	275	275	275
<b>Combahee North Basin</b>						
CHN_M1	358	360	400	400	400	400
<b>Combahee West Basin</b>						
CW_M1	121	205	223	223	223	223
CW_M2	326	320	331	331	331	331
CW_M3	91	126	145	145	145	145
CW_M4	661	711	777	777	777	777
CW_M5	362	484	525	525	525	525
CW_M6	319	401	447	447	447	447
CW_M7	257	399	402	402	402	402
CW_T1	314	354	375	375	375	375
CW_T2	412	357	367	367	369	367
CW_T3	450	391	448	448	448	448
CW_T4	320	441	465	465	465	465
<b>Yemassee East Basin</b>						
YE_M1	167	283	308	308	308	308
YE_M2	281	281	281	281	281	281
AVERAGE	301	334	357	357	357	357

TABLE K-7  
SUBBASIN PEAK FLOW VALUES FOR 25-YEAR DESIGN STORM  
COMBAHEE WATERSHED

ICPR Subbasin ID	Tributary Area (acres)	Peak Flow (cfs)				
		Undeveloped	Existing Uncontrolled	Existing Controlled	Future Uncontrolled	Future Controlled
<b>Combahee East Basin</b>						
CE_M1	344	361	372	372	372	372
CE_M2	411	449	492	492	492	492
CE_M3	314	327	341	341	341	341
<b>Combahee Middle Basin</b>						
CM_M1	207	312	319	319	319	319
<b>Combahee North Basin</b>						
CHN_M1	358	424	467	467	467	467
<b>Combahee West Basin</b>						
CW_M1	121	238	258	258	258	258
CW_M2	326	382	395	395	395	395
CW_M3	91	151	172	172	172	172
CW_M4	661	836	909	909	909	909
CW_M5	362	564	609	609	609	609
CW_M6	319	469	520	520	520	520
CW_M7	257	463	466	466	466	466
CW_T1	314	410	433	433	433	433
CW_T2	412	424	435	435	437	435
CW_T3	450	466	529	529	529	529
CW_T4	320	510	535	535	535	535
<b>Yemassee East Basin</b>						
YE_M1	167	329	356	356	356	356
YE_M2	281	281	281	281	281	281
AVERAGE	301	389	415	415	415	415



TABLE K-8  
SUBBASIN PEAK FLOW VALUES FOR 100-YEAR DESIGN STORM  
COMBAHEE WATERSHED

ICPR Subbasin ID	Tributary Area (acres)	Peak Flow (cfs)				
		Undeveloped	Existing Uncontrolled	Existing Controlled	Future Uncontrolled	Future Controlled
<b>Combahee East Basin</b>						
CE_M1	344	476	488	488	488	488
CE_M2	411	585	635	635	635	635
CE_M3	314	432	448	448	448	448
<b>Combahee Middle Basin</b>						
CM_M1	207	397	405	405	405	405
<b>Combahee North Basin</b>						
CHN_M1	358	551	602	602	602	602
<b>Combahee West Basin</b>						
CW_M1	121	304	327	327	327	327
CW_M2	326	508	523	523	523	523
CW_M3	91	200	224	224	224	224
CW_M4	661	1,086	1,172	1,172	1,172	1,172
CW_M5	362	724	775	775	775	775
CW_M6	319	605	665	665	665	665
CW_M7	257	590	593	593	593	593
CW_T1	314	522	549	549	549	549
CW_T2	412	560	570	570	573	570
CW_T3	450	617	691	691	691	691
CW_T4	320	646	676	676	676	676
<b>Yemassee East Basin</b>						
YE_M1	167	420	451	451	451	451
YE_M2	281	281	281	281	281	281
AVERAGE	301	500	530	530	530	530

TABLE K-9  
 NODE PEAK WATER SURFACE ELEVATIONS  
 COMBAHEE WATERSHED  
 EXISTING LAND USE

ICPR Node ID	Initial Elevation (ft)	Existing Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
<b>Combahee East Basin</b>					
CE_M-0	4.7	4.7	4.7	4.7	4.7
CE_M-5	4.7	5.5	6.1	6.2	6.4
CE_M-16	4.7	5.5	6.1	6.2	6.4
CE_M-27	4.7	5.5	6.1	6.2	6.4
CE_M-36	4.7	5.5	6.1	6.2	6.4
CE_M-48	4.7	5.5	6.1	6.2	6.4
CE_M-57	4.7	5.5	6.1	6.2	6.4
<b>Combahee Middle Basin</b>					
CM_M-0	4.7	4.7	4.7	4.7	4.7
CM_M-1	4.7	4.7	4.7	4.7	4.7
CM_M-2	4.7	5.0	5.3	5.4	5.6
<b>Combahee North Basin</b>					
CHN_M-0	4.7	4.7	4.7	4.7	4.7
CHN_M-3	4.7	5.4	6.2	6.5	7.0
CHN_M-11	4.7	5.4	6.2	6.5	7.0
CHN_M-18	4.7	5.4	6.2	6.5	7.0
<b>Combahee West Basin</b>					
CW_M-0	4.7	4.7	4.7	4.7	4.7
CW_M-1	4.7	5.1	5.5	5.7	6.0
CW_M-42	4.7	5.1	5.5	5.7	6.0
CW_M-52	4.7	5.1	5.5	5.7	6.0
CW_M-74	4.7	5.1	5.5	5.7	6.0
CW_M-91	4.7	5.1	5.5	5.7	6.0
CW_M-101	4.7	5.1	5.6	5.7	6.1
CW_M-112	4.7	5.2	5.6	5.7	6.1
CW_M-121	4.7	5.2	5.6	5.7	6.1
CW_M-133	4.7	5.2	5.6	5.7	6.1
CW_M-135	4.7	5.2	5.6	5.7	6.1
CW_M-144	4.7	5.2	5.6	5.7	6.1
CW_M-150	4.7	5.2	5.6	5.7	6.1
CW_M-152	4.7	5.2	5.6	5.7	6.1
CW_M-175	4.7	5.2	5.6	5.7	6.1
CW_M-191	4.7	5.2	5.6	5.7	6.1

TABLE K-9  
 NODE PEAK WATER SURFACE ELEVATIONS  
 COMBAHEE WATERSHED  
 EXISTING LAND USE

ICPR Node ID	Initial Elevation (ft)	Existing Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
CW_M-205	4.7	5.2	5.6	5.7	6.1
CW_M-218	4.7	5.3	5.6	5.7	6.1
CW_M-230	4.7	5.3	5.6	5.7	6.1
CW_M-235	4.7	5.3	5.6	5.7	6.1
CW_M-239	4.7	5.6	6.1	6.3	6.7
CW_T2-13	4.7	5.8	6.5	6.7	7.0
CW_T2-14	4.7	7.9	8.2	8.2	8.4
CW_T2-25	7.2	9.0	9.3	9.5	9.9
CW_T2-36	9.9	12.2	12.6	12.6	12.8
CW_T2-43	13.2	14.5	14.8	14.9	15.2
CW_T2-55	11.3	15.1	15.5	15.7	16.0
CW_T2-66	13.8	15.1	15.5	15.7	16.0
CW_T3-0	4.7	5.2	5.6	5.7	6.1
CW_T3-1	4.7	5.7	5.9	5.9	6.1
CW_T3-12	5.7	6.7	7.5	7.8	8.2
CW_T3-31	6.5	9.4	10.0	10.2	10.6
CW_T4-20	4.7	5.2	5.6	5.7	6.1
		<b>Yemassee East Basin</b>			
YE_M-13	4.7	6.1	6.9	7.2	7.7
YE_M-2	4.7	4.7	4.7	4.7	4.7
YE_M-22	5.0	6.1	6.9	7.2	7.7
YE_M-24	4.7	6.5	7.5	7.8	8.6
YE_M-3	4.7	6.1	6.9	7.2	7.7

TABLE K-10  
 NODE PEAK WATER SURFACE ELEVATIONS  
 COMBAHEE WATERSHED  
 FUTURE LAND USE

ICPR Node ID	Initial Elevation (ft)	Future Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
<b>Combahee East Basin</b>					
CE_M-0	4.7	4.7	4.7	4.7	4.7
CE_M-5	4.7	5.5	6.1	6.2	6.4
CE_M-16	4.7	5.5	6.1	6.2	6.4
CE_M-27	4.7	5.5	6.1	6.2	6.4
CE_M-36	4.7	5.5	6.1	6.2	6.4
CE_M-48	4.7	5.5	6.1	6.2	6.4
CE_M-57	4.7	5.5	6.1	6.2	6.4
<b>Combahee Middle Basin</b>					
CM_M-0	4.7	4.7	4.7	4.7	4.7
CM_M-1	4.7	4.7	4.7	4.7	4.7
CM_M-2	4.7	5.0	5.3	5.4	5.6
<b>Combahee North Basin</b>					
CHN_M-0	4.7	4.7	4.7	4.7	4.7
CHN_M-3	4.7	5.4	6.2	6.5	7.0
CHN_M-11	4.7	5.4	6.2	6.5	7.0
CHN_M-18	4.7	5.4	6.2	6.5	7.0
<b>Combahee West Basin</b>					
CW_M-0	4.7	4.7	4.7	4.7	4.7
CW_M-1	4.7	5.1	5.5	5.7	6.0
CW_M-42	4.7	5.1	5.5	5.7	6.0
CW_M-52	4.7	5.1	5.5	5.7	6.0
CW_M-74	4.7	5.1	5.5	5.7	6.0
CW_M-91	4.7	5.1	5.5	5.7	6.0
CW_M-101	4.7	5.1	5.6	5.7	6.1
CW_M-112	4.7	5.2	5.6	5.7	6.1
CW_M-121	4.7	5.2	5.6	5.7	6.1
CW_M-133	4.7	5.2	5.6	5.7	6.1
CW_M-135	4.7	5.2	5.6	5.7	6.1
CW_M-144	4.7	5.2	5.6	5.7	6.1
CW_M-150	4.7	5.2	5.6	5.7	6.1
CW_M-152	4.7	5.2	5.6	5.7	6.1
CW_M-175	4.7	5.2	5.6	5.7	6.1
CW_M-191	4.7	5.2	5.6	5.7	6.1

TABLE K-10  
 NODE PEAK WATER SURFACE ELEVATIONS  
 COMBAHEE WATERSHED  
 FUTURE LAND USE

ICPR Node ID	Initial Elevation (ft)	Future Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
CW_M-205	4.7	5.2	5.6	5.7	6.1
CW_M-218	4.7	5.3	5.6	5.7	6.1
CW_M-230	4.7	5.3	5.6	5.7	6.1
CW_M-235	4.7	5.3	5.6	5.7	6.1
CW_M-239	4.7	5.6	6.1	6.3	6.7
CW_T2-13	4.7	5.8	6.5	6.7	7.0
CW_T2-14	4.7	7.9	8.2	8.2	8.4
CW_T2-25	7.2	9.0	9.3	9.5	9.9
CW_T2-36	9.9	12.2	12.6	12.6	12.8
CW_T2-43	13.2	14.5	14.8	14.9	15.2
CW_T2-55	11.3	15.1	15.5	15.7	16.0
CW_T2-66	13.8	15.1	15.5	15.7	16.0
CW_T3-0	4.7	5.2	5.6	5.7	6.1
CW_T3-1	4.7	5.7	5.9	5.9	6.1
CW_T3-12	5.7	6.7	7.5	7.8	8.2
CW_T3-31	6.5	9.4	10.0	10.2	10.6
CW_T4-20	4.7	5.2	5.6	5.7	6.1
		<b>Yemassee East Basin</b>			
YE_M-13	4.7	6.1	6.9	7.2	7.7
YE_M-2	4.7	4.7	4.7	4.7	4.7
YE_M-22	5.0	6.1	6.9	7.2	7.7
YE_M-24	4.7	6.5	7.5	7.8	8.6
YE_M-3	4.7	6.1	6.9	7.2	7.7

TABLE K-11  
 NODE PEAK WATER SURFACE ELEVATIONS  
 COMBAHEE WATERSHED  
 FUTURE LAND USE WITH PLAN

ICPR Node ID	Initial Elevation (ft)	Future Improved Land Use		
		Improved Location?	25-Year Design Storm	100-Year Design Storm
<b>Combahee East Basin</b>				
CE_M-0	4.7		4.7	4.7
CE_M-5	4.7	Yes	5.9	6.2
CE_M-16	4.7		5.9	6.2
CE_M-27	4.7		5.9	6.2
CE_M-36	4.7		5.9	6.2
CE_M-48	4.7		5.9	6.2
CE_M-57	4.7		5.9	6.2
<b>Combahee Middle Basin</b>				
CM_M-0	4.7		4.7	4.7
CM_M-1	4.7		4.7	4.7
CM_M-2	4.7		5.4	5.6
<b>Combahee North Basin</b>				
CHN_M-0	4.7		4.7	4.7
CHN_M-3	4.7		6.5	7.0
CHN_M-11	4.7		6.5	7.0
CHN_M-18	4.7		6.5	7.0
<b>Combahee West Basin</b>				
CW_M-0	4.7		4.7	4.7
CW_M-1	4.7		5.7	6.0
CW_M-42	4.7		5.7	6.0
CW_M-52	4.7		5.7	6.0
CW_M-74	4.7		5.7	6.0
CW_M-91	4.7		5.7	6.1
CW_M-101	4.7		5.7	6.1
CW_M-112	4.7		5.7	6.1
CW_M-121	4.7		5.7	6.1
CW_M-133	4.7		5.7	6.1
CW_M-135	4.7		5.7	6.1
CW_M-144	4.7		5.7	6.1
CW_M-150	4.7		5.7	6.1
CW_M-152	4.7		5.7	6.1
CW_M-175	4.7		5.7	6.1
CW_M-191	4.7		5.7	6.1

TABLE K-11  
 NODE PEAK WATER SURFACE ELEVATIONS  
 COMBAHEE WATERSHED  
 FUTURE LAND USE WITH PLAN

ICPR Node ID	Initial Elevation (ft)	Future Improved Land Use		
		Improved Location?	25-Year Design Storm	100-Year Design Storm
CW_M-205	4.7		5.7	6.1
CW_M-218	4.7		5.8	6.1
CW_M-230	4.7		5.8	6.1
CW_M-235	4.7		5.8	6.1
CW_M-239	4.7		6.3	6.7
CW_T2-13	4.7		6.4	6.9
CW_T2-14	4.7	Yes	7.6	8.0
CW_T2-25	7.2		9.4	9.6
CW_T2-36	9.9		12.8	13.0
CW_T2-43	13.2		14.9	15.1
CW_T2-55	11.3		15.7	16.0
CW_T2-66	13.8		15.7	16.0
CW_T3-0	4.7		5.7	6.1
CW_T3-1	4.7		5.9	6.1
CW_T3-12	5.7		7.8	8.2
CW_T3-31	6.5		10.2	10.6
CW_T4-20	4.7		5.7	6.1
<b>Yemassee East Basin</b>				
YE_M-13	4.7		7.2	7.7
YE_M-2	4.7		4.7	4.7
YE_M-22	5.0		7.2	7.7
YE_M-24	4.7		7.8	8.6
YE_M-3	4.7		7.2	7.7

TABLE K-12  
 CONDUIT PEAK FLOWS  
 COMBAHEE WATERSHED  
 EXISTING LAND USE

ICPR Conduit ID	Type	Existing Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
<b>Combahee East Basin</b>					
CE_M-0A	Drop Structure	22	32	35	40
CE_M-0B	Weir	0	40	136	359
CE_M-1	Channel	65	114	172	401
CE_M-2	Channel	53	59	114	269
CE_M-3	Channel	106	184	215	279
CE_M-4	Channel	55	25	51	117
CE_M-5	Channel	90	161	193	257
<b>Combahee Middle Basin</b>					
CM_M-1A	Pipe	12	16	18	20
CM_M-1B	Pipe	7	9	10	12
CM_M-2A	Pipe	10	13	14	16
CM_M-2B	Pipe	10	13	14	16
<b>Combahee North Basin</b>					
CHN_M-1A	Pipe	62	89	98	113
CHN_M-1B	Pipe	62	89	98	113
CHN_M-2	Channel	132	201	227	287
CHN_M-18	Channel	193	325	379	483
<b>Combahee West Basin</b>					
CW_M-1A	Pipe	407	572	628	728
CW_M-1B	Pipe	226	318	349	405
CW_M-2	Channel	588	889	991	1197
CW_M-3	Channel	430	564	620	732
CW_M-4	Channel	438	664	732	857
CW_M-5	Channel	464	801	906	1092
CW_M-6	Channel	514	957	1103	1350
CW_M-7	Channel	579	1110	1293	1601
CW_M-8	Channel	474	655	713	789
CW_M-9	Channel	266	426	460	500
CW_M-10A	Pipe	0	1	1	1
CW_M-10B	Pipe	1	1	1	1
CW_M-10C	Pipe	0	0	0	0
CW_M-10D	Weir	280	502	564	659
CW_M-11	Channel	290	544	622	744
CW_M-12	Channel	307	617	724	895
CW_M-13A	Pipe	17	18	18	18
CW_M-13B	Pipe	17	18	18	18
CW_M-13C	Pipe	17	18	18	18
CW_M-13D	Pipe	7	7	7	7
CW_M-13E	Weir	277	623	743	937
CW_M-14	Channel	206	405	472	593
CW_M-15	Channel	108	139	141	172
CW_M-16	Channel	105	164	177	200
CW_M-17	Channel	102	200	236	310
CW_M-18	Channel	30	51	58	71
CW_M-19	Channel	22	35	40	51
CW_M-25	Pipe	21	33	38	47
CW_T2-1	Channel	296	454	509	629
CW_T2-2A	Pipe	59	59	59	58
CW_T2-2B	Pipe	59	59	59	58
CW_T2-2C	Weir	73	226	288	425



TABLE K-12  
 CONDUIT PEAK FLOWS  
 COMBAHEE WATERSHED  
 EXISTING LAND USE

ICPR Conduit ID	Type	Existing Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
CW_T2-3	Channel	230	337	395	519
CW_T2-4	Channel	192	342	396	522
CW_T2-5	Channel	195	336	393	521
CW_T2-6	Channel	181	339	401	528
CW_T2-7	Channel	8	14	16	19
CW_T3-1	Channel	1875	1961	1959	1942
CW_T3-2A	Pipe	1	1	1	1
CW_T3-2B	Pipe	2	2	2	2
CW_T3-2C	Weir	236	423	504	659
CW_T3-3	Channel	239	427	507	662
CW_T3-4	Channel	243	445	526	687
CW_T4-1	Channel	210	383	450	581
<b>Yemassee East Basin</b>					
YE_M-1A	Pipe	34	42	45	49
YE_M-1B	Weir	0	0	0	0
YE_M-2	Channel	29	38	41	45
YE_M-3	Channel	24	32	35	40
YE_M-4A	Pipe	24	32	35	40
YE_M-4B	Weir	0	0	0	0

TABLE K-13  
 CONDUIT PEAK FLOWS  
 COMBAHEE WATERSHED  
 FUTURE LAND USE

ICPR Conduit ID	Type	Future Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
<b>Combahee East Basin</b>					
CE_M-0A	Drop Structure	22	32	35	40
CE_M-0B	Weir	0	40	136	359
CE_M-1	Channel	65	376	172	401
CE_M-2	Channel	53	539	114	269
CE_M-3	Channel	106	663	215	279
CE_M-4	Channel	59	591	51	117
CE_M-5	Channel	90	955	193	257
<b>Combahee Middle Basin</b>					
CM_M-1A	Pipe	12	16	18	20
CM_M-1B	Pipe	7	9	10	12
CM_M-2A	Pipe	10	13	14	16
CM_M-2B	Pipe	10	13	14	16
<b>Combahee North Basin</b>					
CHN_M-1A	Pipe	62	89	98	113
CHN_M-1B	Pipe	62	89	98	113
CHN_M-2	Channel	132	201	227	287
CHN_M-18	Channel	193	325	379	483
<b>Combahee West Basin</b>					
CW_M-1A	Pipe	407	572	628	728
CW_M-1B	Pipe	226	318	349	405
CW_M-2	Channel	588	892	992	1197
CW_M-3	Channel	430	566	621	732
CW_M-4	Channel	438	664	731	855
CW_M-5	Channel	464	801	905	1090
CW_M-6	Channel	514	956	1102	1349
CW_M-7	Channel	579	1110	1293	1600
CW_M-8	Channel	471	654	712	788
CW_M-9	Channel	266	426	460	499
CW_M-10A	Pipe	0	2	1	1
CW_M-10B	Pipe	1	2	1	1
CW_M-10C	Pipe	0	1	0	0
CW_M-10D	Weir	280	2606	564	659
CW_M-11	Channel	290	587	622	744
CW_M-12	Channel	307	617	724	895
CW_M-13A	Pipe	17	18	18	18
CW_M-13B	Pipe	17	18	18	18
CW_M-13C	Pipe	17	18	18	18
CW_M-13D	Pipe	7	7	7	7
CW_M-13E	Weir	277	623	743	937
CW_M-14	Channel	206	405	472	593
CW_M-15	Channel	108	139	141	172
CW_M-16	Channel	105	164	177	200
CW_M-17	Channel	102	200	236	310
CW_M-18	Channel	30	51	58	71
CW_M-19	Channel	22	75	40	51
CW_M-25	Pipe	21	33	38	47
CW_T2-1	Channel	297	452	509	629
CW_T2-2A	Pipe	59	59	59	58
CW_T2-2B	Pipe	59	59	59	58
CW_T2-2C	Weir	74	228	290	427

TABLE K-13  
 CONDUIT PEAK FLOWS  
 COMBAHEE WATERSHED  
 FUTURE LAND USE

ICPR Conduit ID	Type	Future Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
CW_T2-3	Channel	230	338	397	520
CW_T2-4	Channel	192	344	399	523
CW_T2-5	Channel	196	338	396	522
CW_T2-6	Channel	182	341	403	530
CW_T2-7	Channel	8	14	16	19
CW_T3-1	Channel	1885	1966	1958	1941
CW_T3-2A	Pipe	1	1	1	1
CW_T3-2B	Pipe	2	2	2	2
CW_T3-2C	Weir	236	423	504	659
CW_T3-3	Channel	240	427	507	662
CW_T3-4	Channel	243	445	526	687
CW_T4-1	Channel	211	383	450	581
<b>Yemassee East Basin</b>					
YE_M-1A	Pipe	34	42	45	49
YE_M-1B	Weir	0	0	0	0
YE_M-2	Channel	29	38	41	45
YE_M-3	Channel	24	32	35	40
YE_M-4A	Pipe	24	32	35	40
YE_M-4B	Weir	0	0	0	0

TABLE K-14  
CONDUIT PEAK FLOWS  
COMBAHEE WATERSHED  
FUTURE LAND USE WITH PLAN

ICPR Conduit ID	Type	Future Improved Land Use		
		Improved Conduit?	25-Year Design Storm	100-Year Design Storm
<b>Combahee East Basin</b>				
CE_M-0A	Drop Structure	Yes	198	226
CE_M-0B	Weir		0	165
CE_M-1	Channel		222	416
CE_M-2	Channel		133	531
CE_M-3	Channel		261	702
CE_M-4	Channel		66	574
CE_M-5	Channel		204	935
<b>Combahee Middle Basin</b>				
CM_M-1A	Pipe		18	18
CM_M-1B	Pipe		10	10
CM_M-2A	Pipe		14	14
CM_M-2B	Pipe		14	14
<b>Combahee North Basin</b>				
CHN_M-1A	Pipe		98	98
CHN_M-1B	Pipe		98	98
CHN_M-2	Channel		227	227
CHN_M-18	Channel		379	379
<b>Combahee West Basin</b>				
CW_M-1A	Pipe		629	729
CW_M-1B	Pipe		350	405
CW_M-2	Channel		997	1204
CW_M-3	Channel		628	735
CW_M-4	Channel		744	871
CW_M-5	Channel		916	1107
CW_M-6	Channel		1108	1360
CW_M-7	Channel		1295	1604
CW_M-8	Channel		713	796
CW_M-9	Channel		458	517
CW_M-10A	Pipe		1	1
CW_M-10B	Pipe		1	2
CW_M-10C	Pipe		0	0
CW_M-10D	Weir		563	2857
CW_M-11	Channel		620	747
CW_M-12	Channel		722	892
CW_M-13A	Pipe		18	18
CW_M-13B	Pipe		18	18
CW_M-13C	Pipe		18	18
CW_M-13D	Pipe		7	7
CW_M-13E	Weir		741	935
CW_M-14	Channel		470	592
CW_M-15	Channel		141	174
CW_M-16	Channel		176	199
CW_M-17	Channel		236	310
CW_M-18	Channel		58	71
CW_M-19	Channel		40	144
CW_M-25	Pipe		38	47
CW_T2-1	Channel		394	537
CW_T2-2A	Pipe	Yes	196	213
CW_T2-2B	Pipe	Yes	196	213
CW_T2-2C	Weir		0	115

TABLE K-14  
 CONDUIT PEAK FLOWS  
 COMBAHEE WATERSHED  
 FUTURE LAND USE WITH PLAN

ICPR Conduit ID	Type	Future Improved Land Use		
		Improved Conduit?	25-Year Design Storm	100-Year Design Storm
CW_T2-3	Channel		623	806
CW_T2-4	Channel		424	546
CW_T2-5	Channel		423	539
CW_T2-6	Channel		410	541
CW_T2-7	Channel		16	19
CW_T3-1	Channel		1958	1940
CW_T3-2A	Pipe		1	1
CW_T3-2B	Pipe		2	2
CW_T3-2C	Weir		504	659
CW_T3-3	Channel		507	662
CW_T3-4	Channel		526	687
CW_T4-1	Channel		450	581
<b>Yemassee East Basin</b>				
YE_M-1A	Pipe		45	45
YE_M-1B	Weir		0	0
YE_M-2	Channel		41	41
YE_M-3	Channel		35	35
YE_M-4A	Pipe		35	35
YE_M-4B	Weir		0	0

**Road overtopping at River Road**

**Replace existing 1 - 36" RCP with 1 - 6'x6' box culvert**

**Replace existing 1 - 3'x3' vertical weir drop structure with 2 drop structures,  
each with 3 - 4'x4' vertical weirs and 1 - 4'x4' horizontal weir**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$ 5,000.00	1	\$ 5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$ 2,500.00	1	\$ 2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$ 650.00	55	\$ 35,800.00
D. Apron	EA	\$ 2,140.00	2	\$ 4,300.00
E. Wingwalls and Parapet	EA	\$ 3,440.00	2	\$ 6,900.00
F. Road Fill and Compaction	CY	\$ 10.00	0	\$ -
G. Remove and Replace Pavement	SY	\$ 50.00	159	\$ 7,900.00
H. Curb and Gutter	LF	\$ 15.00	52	\$ 800.00
I. Grate Inlet	EA	\$ 2,000.00	2	\$ 4,000.00
	<b>Subtotal</b>			<b>\$ 67,000.00</b>
	Contingency (20% of subtotal)			\$ 13,400.00
	Engineering/Legal/Administrative (12% of subtotal)			\$ 8,000.00
	<b>Total</b>			<b>\$ 88,000.00</b>

**Road overtopping at Twickenham Plantation Road**  
**Replace existing 2 - 36" CMP with 3 - 8'x5' box culverts**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$ 5,000.00	1	\$ 5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$ 2,500.00	1	\$ 2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$ 1,940.00	25	\$ 48,500.00
D. Apron	EA	\$ 5,030.00	2	\$ 10,100.00
E. Wingwalls and Parapet	EA	\$ 5,690.00	2	\$ 11,400.00
F. Road Fill and Compaction	CY	\$ 10.00	0	\$ -
G. Remove and Replace Pavement	SY	\$ 50.00	139	\$ 6,900.00
H. Curb and Gutter	LF	\$ 15.00	100	\$ 1,500.00
	<b>Subtotal</b>			<b>\$ 86,000.00</b>
	Contingency (20% of subtotal)			\$ 17,200.00
	Engineering/Legal/Administrative (12% of subtotal)			\$ 10,300.00
	<b>Total</b>			<b>\$ 114,000.00</b>

A:CE\_M-57



C:CE\_M-5



A:CE\_M-48



C:CE\_M-4



A:CE\_M-36



C:CE\_M-3



A:CE\_M-27



C:CE\_M-2



A:CE\_M-16

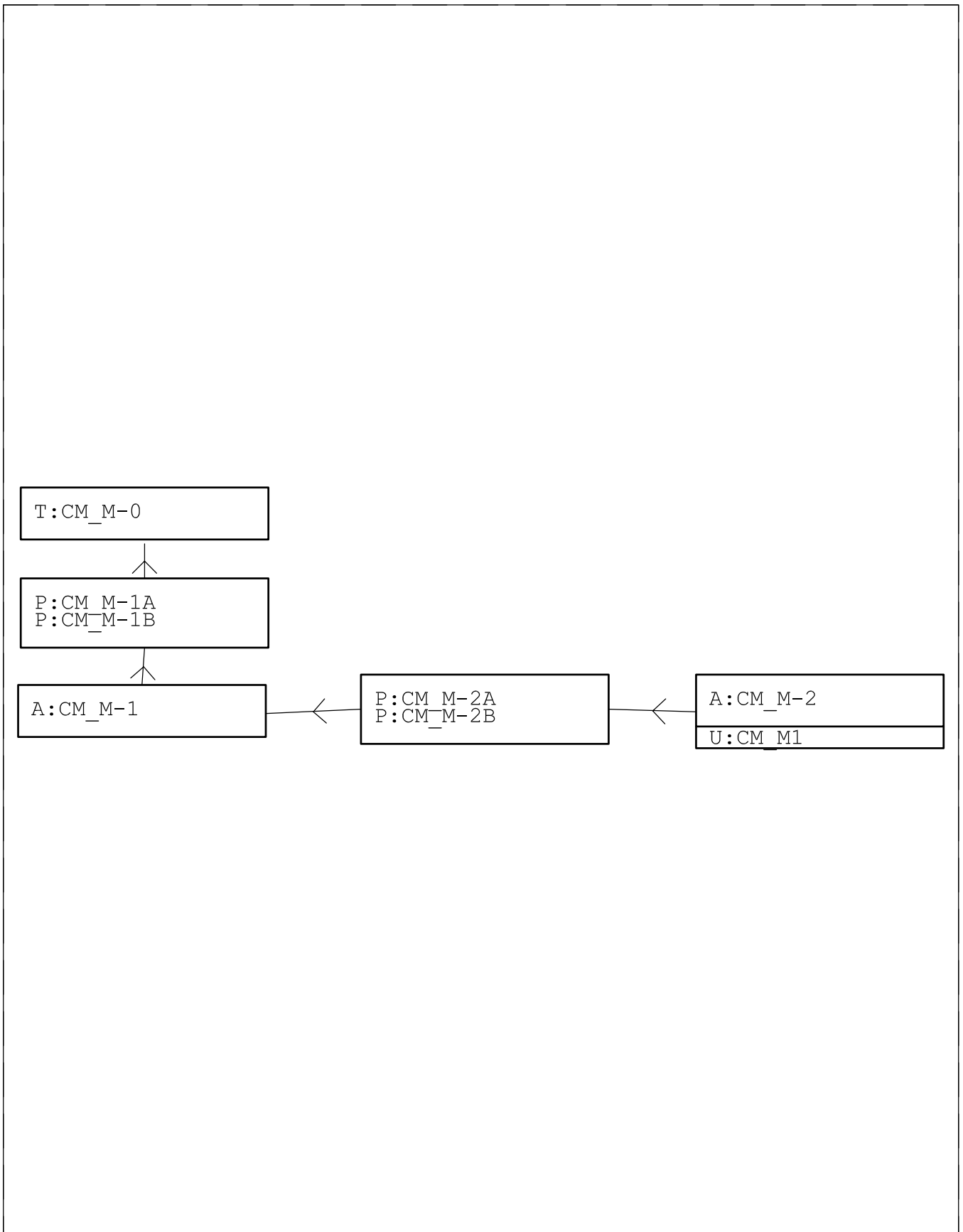


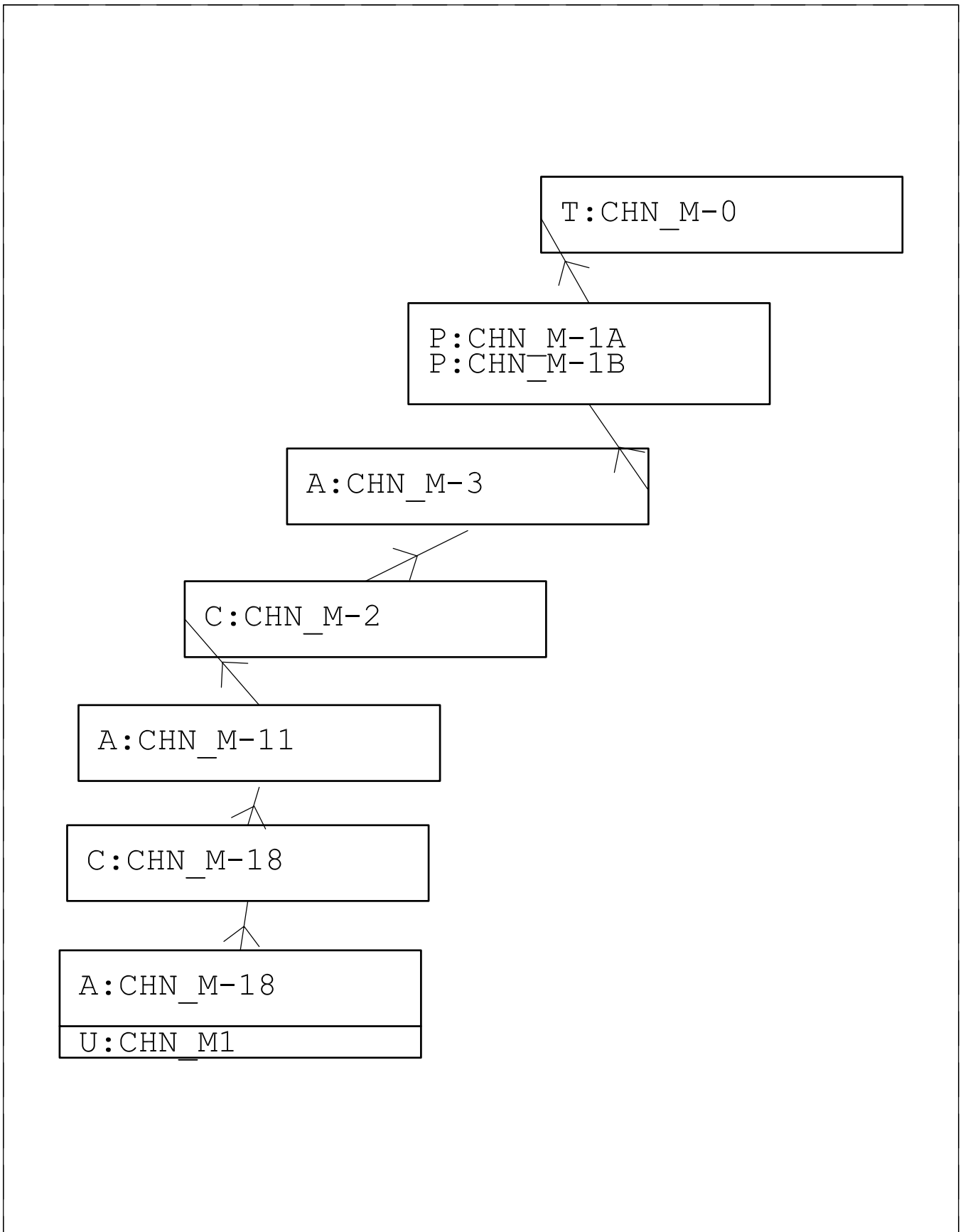
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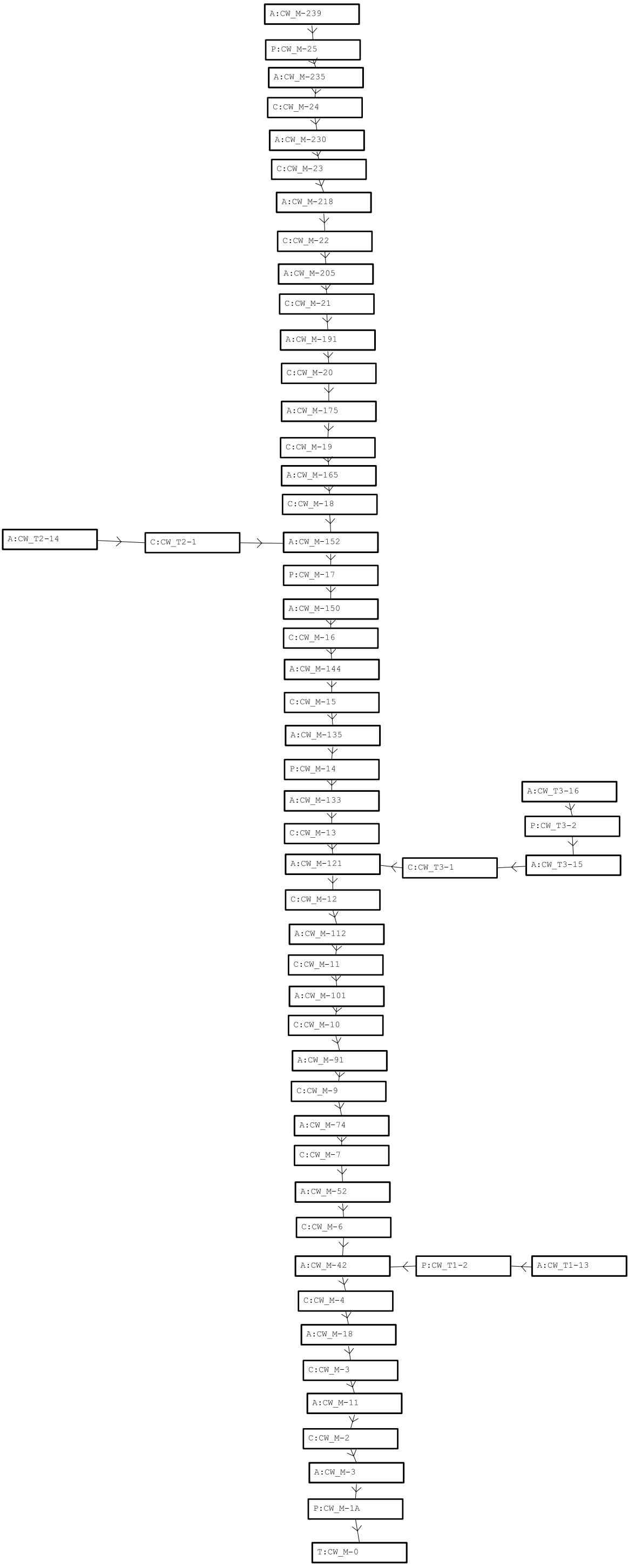


T:CE\_M-5









A:YE\_M-24



P:YE\_M-4



A:YE\_M-22



C:YE\_M-3



A:YE\_M-13



C:YE\_M-2



A:YE\_M-3



P:YE\_M-1



T:YE\_M-2

## Appendix L

### 2006 Supporting Data for Coastal Watershed

TABLE L-1  
CHANNEL INPUT DATA  
COASTAL WATERSHED

ICPR Channel ID	Length (ft)	Maximum Depth (ft)	Top Width (ft)	Manning's n
<b>County Landing Basin</b>				
CL_M-2	1,075	6.0	1,196	0.035
CL_M-3	1,116	5.5	1,139	0.035
CL_M-4	568	3.3	1,264	0.035
CL_M-5	942	5.0	955	0.035
CL_M-6	1,042	5.3	965	0.070
CL_M-7	915	5.6	480	0.035
CL_M-8	513	6.4	605	0.035
<b>Harbor River Basin</b>				
HR_M-2	1,130	5.0	1,270	0.035
HR_M-3	723	6.1	2,175	0.035
HR_M-4	1,319	3.6	747	0.070
<b>Longwood Basin</b>				
LD_M-2	1,570	4.1	1,093	0.070
LD_M-3	1,033	6.5	1,205	0.070
LD_T1-1	1,300	4.0	642	0.070
LD_T1-2	1,450	4.5	700	0.070
<b>Scott Creek Basin</b>				
STC_M-2	300	7.5	316	0.035
STC_M-4	330	7.5	582	0.035
STC_M-6	1,203	6.3	505	0.035
<b>South Frogmore Basin</b>				
SHF_M-2	1,180	8.3	1,050	0.035
SHF_M-3	936	5.8	2,150	0.035
SHF_M-4	1,005	5.0	1,080	0.070
<b>Sod Farm Basin</b>				
SF_M-1	986	6.3	215	0.035
SF_M-3	776	6.8	962	0.035
<b>Station Creek Basin</b>				
SNC_M-1	963	6.3	792	0.035
SNC_M-2	1,063	4.0	602	0.035
SNC_M-3	1,202	5.2	1,210	0.035
SNC_M-4	1,058	7.3	730	0.035
SNC_M-5	1,126	7.5	1,254	0.035

TABLE L-2  
WEIR INPUT DATA  
COASTAL WATERSHED

ICPR Weir ID	Type	Crest Elevation (ft)	Geometry	Span (ft)	Rise (ft)
<b>County Landing Basin</b>					
No weirs in this basin					
<b>Harbor River Basin</b>					
No weirs in this basin					
<b>Longwood Basin</b>					
No weirs in this basin					
<b>Scott Creek Basin</b>					
STC_M-1C	Paved Road	8.1	Irregular	410	N/A
STC_M-3B	Paved Road	7.4	Rectangular	400	N/A
STC_M-5B	Paved Road	7.0	Rectangular	400	N/A
<b>South Frogmore Basin</b>					
SHF_M-1C	Paved Road	5.9	Irregular	844	N/A
<b>Sod Farm Basin</b>					
No weirs in this basin					
<b>Station Creek Basin</b>					
SNC_M-0B	Paved Road	7.9	Rectangular	200	N/A

TABLE L-3  
TIDE GATES  
COASTAL WATERSHED

ICPR Conduit ID	Tide Gate Description
<b>County Landing Basin</b>	
No tide gates in this basin	
<b>Harbor River Basin</b>	
No tide gates in this basin	
<b>Longwood Basin</b>	
No tide gates in this basin	
<b>Scott Creek Basin</b>	
No tide gates in this basin	
<b>South Frogmore Basin</b>	
No tide gates in this basin	
<b>Sod Farm Basin</b>	
No tide gates in this basin	
<b>Station Creek Basin</b>	
No tide gates in this basin	



TABLE L-4  
 STORAGE AREA INPUT DATA  
 COASTAL WATERSHED

ICPR Node ID	Minimum Stage (ft)	Minimum Surface Area (ac)	Maximum Stage (ft)	Maximum Surface Area (ac)
<b>County Landing Basin</b>				
No storage nodes in this basin				
<b>Harbor River Basin</b>				
No storage nodes in this basin				
<b>Longwood Basin</b>				
No storage nodes in this basin				
<b>Scott Creek Basin</b>				
No storage nodes in this basin				
<b>South Frogmore Basin</b>				
No storage nodes in this basin				
<b>Sod Farm Basin</b>				
No storage nodes in this basin				
<b>Station Creek Basin</b>				
No storage nodes in this basin				

TABLE L-5  
SUBBASIN PEAK FLOW VALUES FOR 2-YEAR DESIGN STORM  
COASTAL WATERSHED

ICPR Subbasin ID	Tributary Area (acres)	Peak Flow (cfs)				
		Undeveloped	Existing Uncontrolled	Existing Controlled	Future Uncontrolled	Future Controlled
<b>County Landing Basin</b>						
CL_M1	374	208	219	219	209	219
CL_M2	387	161	171	171	204	171
<b>Harbor River Basin</b>						
HR_M1	379	78	96	96	117	96
HR_M2	271	79	80	80	116	80
<b>Longwood Basin</b>						
LD_M1	367	145	155	155	198	155
LD_T1	313	90	90	90	126	90
<b>Scott Creek Basin</b>						
STC_M1	452	192	226	226	244	226
<b>South Frogmore Basin</b>						
SHF_M1	513	180	222	222	250	222
<b>Sod Farm Basin</b>						
SF_M1	149	62	72	72	72	72
SF_M2	364	177	178	178	211	178
<b>Station Creek Basin</b>						
SNC_M1	286	103	123	123	126	123
SNC_M2	260	154	155	155	155	155
AVERAGE	346	140	154	154	173	154

TABLE L-6  
SUBBASIN PEAK FLOW VALUES FOR 10-YEAR DESIGN STORM  
COASTAL WATERSHED

ICPR Subbasin ID	Tributary Area (acres)	Peak Flow (cfs)				
		Undeveloped	Existing Uncontrolled	Existing Controlled	Future Uncontrolled	Future Controlled
<b>County Landing Basin</b>						
CL_M1	374	377	391	391	379	391
CL_M2	387	307	323	323	369	323
<b>Harbor River Basin</b>						
HR_M1	379	180	210	210	243	210
HR_M2	271	162	164	164	218	164
<b>Longwood Basin</b>						
LD_M1	367	278	292	292	354	292
LD_T1	313	197	197	197	253	197
<b>Scott Creek Basin</b>						
STC_M1	452	376	426	426	453	426
<b>South Frogmore Basin</b>						
SHF_M1	513	369	434	434	478	434
<b>Sod Farm Basin</b>						
SF_M1	149	132	148	148	148	148
SF_M2	364	342	344	344	392	344
<b>Station Creek Basin</b>						
SNC_M1	286	206	235	235	240	235
SNC_M2	260	279	280	280	280	280
AVERAGE	346	273	295	295	323	295

TABLE L-7  
SUBBASIN PEAK FLOW VALUES FOR 25-YEAR DESIGN STORM  
COASTAL WATERSHED

ICPR Subbasin ID	Tributary Area (acres)	Peak Flow (cfs)				
		Undeveloped	Existing Uncontrolled	Existing Controlled	Future Uncontrolled	Future Controlled
<b>County Landing Basin</b>						
CL_M1	374	445	460	460	447	460
CL_M2	387	367	385	385	435	385
<b>Harbor River Basin</b>						
HR_M1	379	224	259	259	296	259
HR_M2	271	197	199	199	259	199
<b>Longwood Basin</b>						
LD_M1	367	332	348	348	416	348
LD_T1	313	243	243	243	306	243
<b>Scott Creek Basin</b>						
STC_M1	452	453	508	508	537	508
<b>South Frogmore Basin</b>						
SHF_M1	513	449	523	523	572	523
<b>Sod Farm Basin</b>						
SF_M1	149	162	179	179	179	179
SF_M2	364	410	412	412	466	412
<b>Station Creek Basin</b>						
SNC_M1	286	248	282	282	287	282
SNC_M2	260	329	331	331	331	331
AVERAGE	346	329	353	353	384	353

TABLE L-8  
SUBBASIN PEAK FLOW VALUES FOR 100-YEAR DESIGN STORM  
COASTAL WATERSHED

ICPR Subbasin ID	Tributary Area (acres)	Peak Flow (cfs)				
		Undeveloped	Existing Uncontrolled	Existing Controlled	Future Uncontrolled	Future Controlled
<b>County Landing Basin</b>						
CL_M1	374	581	598	598	584	598
CL_M2	387	488	510	510	568	510
<b>Harbor River Basin</b>						
HR_M1	379	318	361	361	407	361
HR_M2	271	268	272	272	343	272
<b>Longwood Basin</b>						
LD_M1	367	442	461	461	541	461
LD_T1	313	338	338	338	413	338
<b>Scott Creek Basin</b>						
STC_M1	452	607	672	672	707	672
<b>South Frogmore Basin</b>						
SHF_M1	513	613	703	703	760	703
<b>Sod Farm Basin</b>						
SF_M1	149	222	244	244	243	244
SF_M2	364	547	550	550	614	550
<b>Station Creek Basin</b>						
SNC_M1	286	335	375	375	382	375
SNC_M2	260	430	433	433	433	433
AVERAGE	346	441	471	471	507	471

TABLE L-9  
 NODE PEAK WATER SURFACE ELEVATIONS  
 COASTAL WATERSHED  
 EXISTING LAND USE

ICPR Node ID	Initial Elevation (ft)	Existing Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
<b>County Landing Basin</b>					
CL_M-1	4.7	4.7	4.7	4.7	4.7
CL_M-3	4.7	7.1	8.3	8.7	9.5
CL_M-14	4.7	7.2	8.3	8.7	9.5
CL_M-25	4.7	7.2	8.3	8.7	9.5
CL_M-31	4.7	7.2	8.3	8.7	9.5
CL_M-40	4.7	7.2	8.3	8.7	9.5
CL_M-51	5.1	7.5	8.3	8.7	9.5
CL_M-60	6.6	10.3	10.8	10.9	11.1
CL_M-65	9.4	13.0	13.6	13.7	14.1
<b>Harbor River Basin</b>					
HR_M-0	4.7	4.7	4.7	4.7	4.7
HR_M-3	4.7	8.5	9.8	10.3	11.3
HR_M-14	5.5	8.6	9.8	10.3	11.3
HR_M-21	6.4	8.6	9.8	10.3	11.3
HR_M-34	7.3	9.1	9.8	10.3	11.3
<b>Longwood Basin</b>					
LD_M-0	4.7	4.7	4.7	4.7	4.7
LD_M-1	4.7	4.7	4.8	4.9	5.2
LD_M-16	4.7	5.6	6.1	6.3	6.5
LD_M-27	4.7	5.8	6.3	6.5	6.8
LD_T1-10	5.1	6.5	6.9	7.3	7.8
LD_T1-25	5.6	7.9	8.7	9.0	9.4
<b>Scott Creek Basin</b>					
STC_M-0	4.7	4.7	4.7	4.7	4.7
STC_M-2	4.7	7.6	8.8	8.9	9.1
STC_M-3	4.7	7.6	8.8	8.9	9.1
STC_M-4	4.7	7.7	8.8	9.0	9.1
STC_M-6	4.7	7.7	8.8	9.0	9.2
STC_M-7	4.7	7.7	8.8	9.0	9.2
STC_M-14	4.7	8.3	9.2	10.0	10.4
<b>South Frogmore Basin</b>					
SHF_M-0	4.7	4.7	4.7	4.7	4.7
SHF_M-1	4.7	5.4	6.0	6.1	6.3

TABLE L-9  
 NODE PEAK WATER SURFACE ELEVATIONS  
 COASTAL WATERSHED  
 EXISTING LAND USE

ICPR Node ID	Initial Elevation (ft)	Existing Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
SHF_M-3	4.7	5.4	6.0	6.1	6.3
SHF_M-13	4.7	5.4	6.0	6.1	6.3
SHF_M-23	4.7	5.4	6.1	6.2	6.3
<b>Sod Farm Basin</b>					
SF_M-3	4.7	4.7	4.7	4.7	4.7
SF_M-13	4.7	7.6	9.2	9.6	9.9
SF_M-21	7.9	10.2	10.9	11.5	11.4
<b>Station Creek Basin</b>					
SNC_M-0	4.7	4.7	4.7	4.7	4.7
SNC_M-5	4.7	7.8	8.3	8.4	8.6
SNC_M-15	4.7	7.8	8.4	8.5	8.8
SNC_M-25	4.7	7.8	8.4	8.5	8.8
SNC_M-37	4.7	7.8	8.4	8.6	8.9
SNC_M-48	4.7	8.0	8.5	8.7	9.0
SNC_M-59	4.7	8.0	8.6	8.8	9.0

TABLE L-10  
 NODE PEAK WATER SURFACE ELEVATIONS  
 COASTAL WATERSHED  
 FUTURE LAND USE

ICPR Node ID	Initial Elevation (ft)	Future Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
<b>County Landing Basin</b>					
CL_M-1	4.7	4.7	4.7	4.7	4.7
CL_M-3	4.7	7.2	8.3	8.8	9.6
CL_M-14	4.7	7.2	8.4	8.8	9.6
CL_M-25	4.7	7.3	8.4	8.8	9.6
CL_M-31	4.7	7.3	8.4	8.8	9.6
CL_M-40	4.7	7.3	8.4	8.8	9.6
CL_M-51	5.1	7.5	8.4	8.8	9.6
CL_M-60	6.6	10.3	10.8	10.9	11.2
CL_M-65	9.4	13.0	13.6	13.7	14.2
<b>Harbor River Basin</b>					
HR_M-0	4.7	4.7	4.7	4.7	4.7
HR_M-3	4.7	8.9	10.2	10.6	11.6
HR_M-14	5.5	8.9	10.2	10.6	11.6
HR_M-21	6.4	8.9	10.2	10.6	11.6
HR_M-34	7.3	9.1	10.2	10.6	11.6
<b>Longwood Basin</b>					
LD_M-0	4.7	4.7	4.7	4.7	4.7
LD_M-1	4.7	4.7	4.9	5.0	5.4
LD_M-16	4.7	5.8	6.2	6.3	6.6
LD_M-27	4.7	6.0	6.4	6.6	6.9
LD_T1-10	5.1	6.5	7.4	7.7	8.0
LD_T1-25	5.6	8.3	9.1	9.3	9.6
<b>Scott Creek Basin</b>					
STC_M-0	4.7	4.7	4.7	4.7	4.7
STC_M-2	4.7	7.8	8.8	9.0	9.1
STC_M-3	4.7	7.8	8.9	9.0	9.2
STC_M-4	4.7	7.8	8.9	9.0	9.2
STC_M-6	4.7	7.8	8.9	9.0	9.2
STC_M-7	4.7	7.8	8.9	9.0	9.2
STC_M-14	4.7	8.3	9.5	10.1	10.5
<b>South Frogmore Basin</b>					
SHF_M-0	4.7	4.7	4.7	4.7	4.7
SHF_M-1	4.7	5.5	6.1	6.2	6.3



TABLE L-10  
 NODE PEAK WATER SURFACE ELEVATIONS  
 COASTAL WATERSHED  
 FUTURE LAND USE

ICPR Node ID	Initial Elevation (ft)	Future Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
SHF_M-3	4.7	5.5	6.1	6.2	6.3
SHF_M-13	4.7	5.5	6.1	6.2	6.3
SHF_M-23	4.7	5.5	6.1	6.2	6.4
<b>Sod Farm Basin</b>					
SF_M-3	4.7	4.7	4.7	4.7	4.7
SF_M-13	4.7	7.6	9.2	9.6	10.1
SF_M-21	7.9	10.2	11.0	11.6	11.5
<b>Station Creek Basin</b>					
SNC_M-0	4.7	4.7	4.7	4.7	4.7
SNC_M-5	4.7	7.8	8.3	8.4	8.6
SNC_M-15	4.7	7.8	8.4	8.5	8.8
SNC_M-25	4.7	7.8	8.4	8.5	8.8
SNC_M-37	4.7	7.9	8.4	8.6	8.9
SNC_M-48	4.7	8.0	8.5	8.7	9.0
SNC_M-59	4.7	8.0	8.6	8.8	9.0

TABLE L-11  
 NODE PEAK WATER SURFACE ELEVATIONS  
 COASTAL WATERSHED  
 FUTURE LAND USE WITH PLAN

ICPR Node ID	Initial Elevation (ft)	Future Improved Land Use		
		Improved Location?	25-Year Design Storm	100-Year Design Storm
<b>County Landing Basin</b>				
CL_M-1	4.7		4.7	4.7
CL_M-3	4.7		8.8	9.6
CL_M-14	4.7		8.8	9.6
CL_M-25	4.7		8.8	9.6
CL_M-31	4.7		8.8	9.6
CL_M-40	4.7		8.8	9.6
CL_M-51	5.1		8.8	9.6
CL_M-60	6.6		10.9	11.2
CL_M-65	9.4		13.7	14.2
<b>Harbor River Basin</b>				
HR_M-0	4.7		4.7	4.7
HR_M-3	4.7		10.6	11.6
HR_M-14	5.5		10.6	11.6
HR_M-21	6.4		10.6	11.6
HR_M-34	7.3		10.6	11.6
<b>Longwood Basin</b>				
LD_M-0	4.7		4.7	4.7
LD_M-1	4.7		5.0	5.4
LD_M-16	4.7		6.3	6.6
LD_M-27	4.7		6.6	6.9
LD_T1-10	5.1		7.7	8.0
LD_T1-25	5.6		9.3	9.6
<b>Scott Creek Basin</b>				
STC_M-0	4.7		4.7	4.7
STC_M-2	4.7	Yes	7.2	8.6
STC_M-3	4.7		7.4	8.6
STC_M-4	4.7		7.9	8.6
STC_M-6	4.7		8.0	8.7
STC_M-7	4.7		8.0	8.7
STC_M-14	4.7		9.1	9.7
<b>South Frogmore Basin</b>				
SHF_M-0	4.7		4.7	4.7
SHF_M-1	4.7	Yes	5.6	6.0

TABLE L-11  
 NODE PEAK WATER SURFACE ELEVATIONS  
 COASTAL WATERSHED  
 FUTURE LAND USE WITH PLAN

ICPR Node ID	Initial Elevation (ft)	Future Improved Land Use		
		Improved Location?	25-Year Design Storm	100-Year Design Storm
SHF_M-3	4.7		5.7	6.0
SHF_M-13	4.7		5.7	6.1
SHF_M-23	4.7		5.7	6.1
<b>Sod Farm Basin</b>				
SF_M-3	4.7		4.7	4.7
SF_M-13	4.7		9.6	10.1
SF_M-21	7.9		11.6	11.5
<b>Station Creek Basin</b>				
SNC_M-0	4.7		4.7	4.7
SNC_M-5	4.7	Yes	7.7	8.2
SNC_M-15	4.7		8.1	8.5
SNC_M-25	4.7		8.1	8.6
SNC_M-37	4.7		8.3	8.7
SNC_M-48	4.7		8.7	8.9
SNC_M-59	4.7		8.8	9.0

TABLE L-12  
 CONDUIT PEAK FLOWS  
 COASTAL WATERSHED  
 EXISTING LAND USE

ICPR Conduit ID	Type	Existing Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
<b>County Landing Basin</b>					
CL_M-1	Pipe	123	150	159	175
CL_M-2	Channel	124	157	168	191
CL_M-3	Channel	203	354	407	510
CL_M-4	Channel	299	536	619	782
CL_M-5	Channel	367	677	790	1007
CL_M-6	Channel	171	318	376	487
CL_M-7	Channel	170	321	383	508
CL_M-8	Channel	171	323	384	510
<b>Harbor River Basin</b>					
HR_M-1	Pipe	79	91	95	103
HR_M-2	Channel	57	75	78	84
HR_M-3	Channel	47	50	54	60
HR_M-4	Channel	101	204	236	287
<b>Longwood Basin</b>					
LD_M-1A	Pipe	116	239	291	397
LD_M-1B	Pipe	91	189	231	317
LD_M-2	Channel	124	246	301	409
LD_M-3	Channel	144	275	329	439
LD_T1-1	Channel	87	183	223	313
LD_T1-2	Channel	88	191	233	323
<b>Scott Creek Basin</b>					
STC_M-1A	Pipe	95	113	115	117
STC_M-1B	Pipe	95	113	115	117
STC_M-1C	Weir	0	145	222	410
STC_M-2	Channel	196	410	451	645
STC_M-3A	Pipe	122	123	123	123
<b>South Frogmore Basin</b>					
SHF_M-1A	Pipe	35	48	50	52
SHF_M-1B	Pipe	35	48	50	52
SHF_M-1C	Weir	0	58	138	305
SHF_M-2	Channel	79	156	239	411
SHF_M-3	Channel	131	249	295	423
SHF_M-4	Channel	205	407	489	657
<b>Sod Farm Basin</b>					
SF_M-1	Channel	177	338	405	545
SF_M-3	Channel	178	343	412	549
<b>Station Creek Basin</b>					
SNC_M-0A	Pipe	72	77	78	80
SNC_M-0B	Weir	0	140	205	340
SNC_M-1	Channel	75	217	283	420
SNC_M-2	Channel	124	220	287	426
SNC_M-3	Channel	181	352	423	563
SNC_M-4	Channel	228	461	552	737

TABLE L-13  
 CONDUIT PEAK FLOWS  
 COASTAL WATERSHED  
 FUTURE LAND USE

ICPR Conduit ID	Type	Future Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
<b>County Landing Basin</b>					
CL_M-1	Pipe	125	152	161	177
CL_M-2	Channel	127	157	169	194
CL_M-3	Channel	205	360	414	536
CL_M-4	Channel	302	545	630	824
CL_M-5	Channel	371	688	804	1063
CL_M-6	Channel	178	325	383	544
CL_M-7	Channel	171	323	385	567
CL_M-8	Channel	172	323	385	568
<b>Harbor River Basin</b>					
HR_M-1	Pipe	82	94	97	105
HR_M-2	Channel	63	78	81	87
HR_M-3	Channel	51	53	56	62
HR_M-4	Channel	105	214	252	367
<b>Longwood Basin</b>					
LD_M-1A	Pipe	138	279	336	466
LD_M-1B	Pipe	109	221	267	374
LD_M-2	Channel	149	286	341	463
LD_M-3	Channel	154	291	346	513
LD_T1-1	Channel	148	227	274	394
LD_T1-2	Channel	124	244	292	407
<b>Scott Creek Basin</b>					
STC_M-1A	Pipe	98	114	115	118
STC_M-1B	Pipe	98	114	115	118
STC_M-1C	Weir	0	159	256	445
STC_M-2	Channel	202	442	487	680
STC_M-3A	Pipe	122	123	123	122
<b>South Frogmore Basin</b>					
SHF_M-1A	Pipe	37	49	50	53
SHF_M-1B	Pipe	37	49	50	53
SHF_M-1C	Weir	0	84	166	341
SHF_M-2	Channel	89	183	268	448
SHF_M-3	Channel	137	249	296	462
SHF_M-4	Channel	206	407	491	707
<b>Sod Farm Basin</b>					
SF_M-1	Channel	178	344	412	604
SF_M-3	Channel	179	345	413	608
<b>Station Creek Basin</b>					
SNC_M-0A	Pipe	72	77	78	80
SNC_M-0B	Weir	0	141	207	343
SNC_M-1	Channel	75	218	285	423
SNC_M-2	Channel	124	221	289	428
SNC_M-3	Channel	183	355	428	569
SNC_M-4	Channel	231	465	557	745

TABLE L-14  
 CONDUIT PEAK FLOWS  
 COASTAL WATERSHED  
 FUTURE LAND USE WITH PLAN

ICPR Conduit ID	Type	Future Improved Land Use		
		Improved Conduit?	25-Year Design Storm	100-Year Design Storm
<b>County Landing Basin</b>				
CL_M-1	Pipe		161	177
CL_M-2	Channel		169	194
CL_M-3	Channel		414	536
CL_M-4	Channel		630	824
CL_M-5	Channel		804	1063
CL_M-6	Channel		383	544
CL_M-7	Channel		385	567
CL_M-8	Channel		385	568
<b>Harbor River Basin</b>				
HR_M-1	Pipe		97	97
HR_M-2	Channel		81	81
HR_M-3	Channel		56	56
HR_M-4	Channel		252	252
<b>Longwood Basin</b>				
LD_M-1A	Pipe		336	466
LD_M-1B	Pipe		267	374
LD_M-2	Channel		341	463
LD_M-3	Channel		346	513
LD_T1-1	Channel		274	394
LD_T1-2	Channel		292	407
<b>Scott Creek Basin</b>				
STC_M-1A	Pipe	Yes	254	311
STC_M-1B	Pipe	Yes	254	311
STC_M-1C	Weir		0	29
STC_M-2	Channel		507	657
STC_M-3A	Pipe		150	150
<b>South Frogmore Basin</b>				
SHF_M-1A	Pipe	Yes	150	177
SHF_M-1B	Pipe	Yes	150	177
SHF_M-1C	Weir		0	32
SHF_M-2	Channel		322	388
SHF_M-3	Channel		396	520
SHF_M-4	Channel		507	733
<b>Sod Farm Basin</b>				
SF_M-1	Channel		412	412
SF_M-3	Channel		413	413
<b>Station Creek Basin</b>				
SNC_M-0A	Pipe	Yes	304	334
SNC_M-0B	Weir		0	89
SNC_M-1	Channel		305	423
SNC_M-2	Channel		397	506
SNC_M-3	Channel		475	633
SNC_M-4	Channel		559	752

**Road overtopping at Seaside Road**  
**Replace existing 2 - 42" RCP with 1 - 12'x7' box culvert**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$ 5,000.00	1	\$ 5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$ 2,500.00	1	\$ 2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$ 1,080.00	60	\$ 64,800.00
D. Apron	EA	\$ 3,640.00	2	\$ 7,300.00
E. Wingwalls and Parapet	EA	\$ 4,770.00	2	\$ 9,500.00
F. Road Fill and Compaction	CY	\$ 10.00	0	\$ -
G. Remove and Replace Pavement	SY	\$ 50.00	213	\$ 10,700.00
H. Curb and Gutter	LF	\$ 15.00	64	\$ 1,000.00
	<b>Subtotal</b>			<b>\$ 101,000.00</b>
	Contingency (20% of subtotal)			\$ 20,200.00
	Engineering/Legal/Administrative (12% of subtotal)			\$ 12,100.00
	<b>Total</b>			<b>\$ 133,000.00</b>

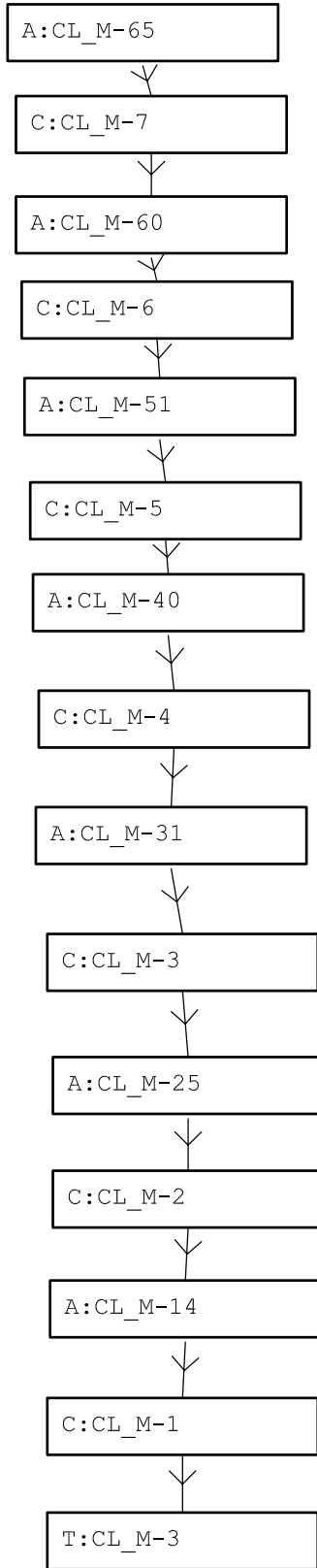
**Road overtopping at Club Bridge Road**  
**Replace existing 2 - 36" RCP with 2 - 5'x5' box culverts**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$ 5,000.00	1 \$	5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$ 2,500.00	1 \$	2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$ 770.00	40 \$	30,800.00
D. Apron	EA	\$ 2,500.00	2 \$	5,000.00
E. Wingwalls and Parapet	EA	\$ 4,150.00	2 \$	8,300.00
F. Road Fill and Compaction	CY	\$ 10.00	0 \$	-
G. Remove and Replace Pavement	SY	\$ 50.00	138 \$	6,900.00
H. Curb and Gutter	LF	\$ 15.00	62 \$	900.00
	<b>Subtotal</b>		<b>\$</b>	<b>59,000.00</b>
	Contingency (20% of subtotal)		\$	11,800.00
	Engineering/Legal/Administrative (12% of subtotal)		\$	7,100.00
	<b>Total</b>		<b>\$</b>	<b>78,000.00</b>



**Road overtopping at Seaside Road**  
**Replace existing 1 - 36" RCP with 1 - 7'x6' box culverts**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$ 5,000.00	1 \$	5,000.00
B. Site Preparation/Restoration Erosion & Sedimentation Control	EA	\$ 2,500.00	1 \$	2,500.00
C. Box Culvert Construction (includes excavation & backfill)	LF	\$ 644.00	50 \$	32,200.00
D. Apron	EA	\$ 2,725.00	2 \$	5,500.00
E. Wingwalls and Parapet	EA	\$ 3,575.00	2 \$	7,200.00
F. Road Fill and Compaction	CY	\$ 10.00	0 \$	-
G. Remove and Replace Pavement	SY	\$ 50.00	150 \$	7,500.00
H. Curb and Gutter	LF	\$ 15.00	54 \$	800.00
	<b>Subtotal</b>		<b>\$</b>	<b>61,000.00</b>
	Contingency (20% of subtotal)		\$	12,200.00
	Engineering/Legal/Administrative (12% of subtotal)		\$	7,300.00
	<b>Total</b>		<b>\$</b>	<b>81,000.00</b>



A:HR\_M-34



C:HR\_M-3



A:HR\_M-21



C:HR\_M-2



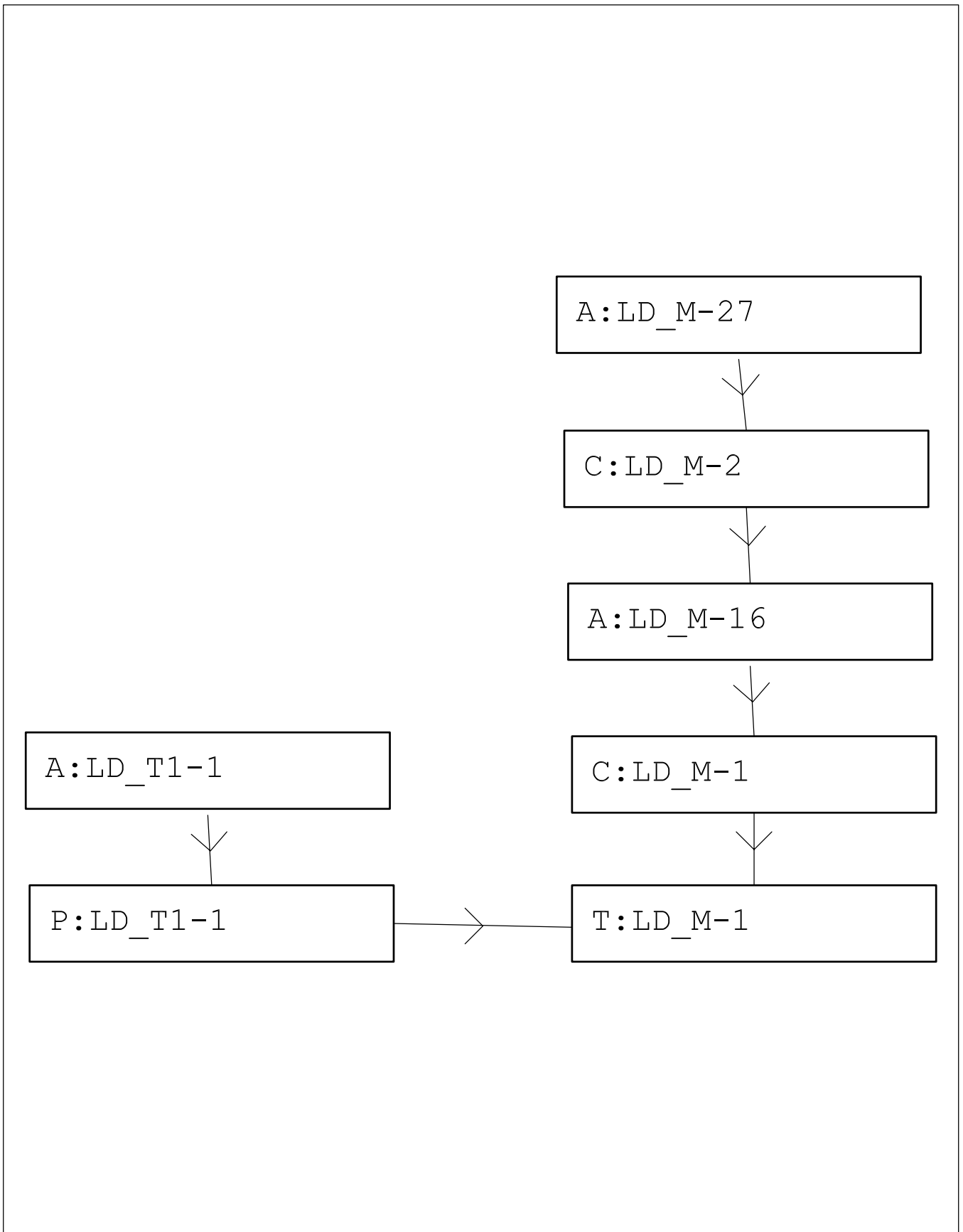
A:HR\_M-14



C:HR\_M-1



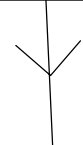
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A:STC\_M-14

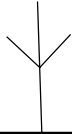


C:STC\_M-1



T:STC\_M-2

A:SF\_M-21



C:SF\_M-3



A:SF\_M-13



C:SF\_M-1

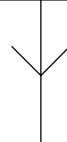


T:SF\_M-3

A:SHF\_M-23



C:SHF\_M-2



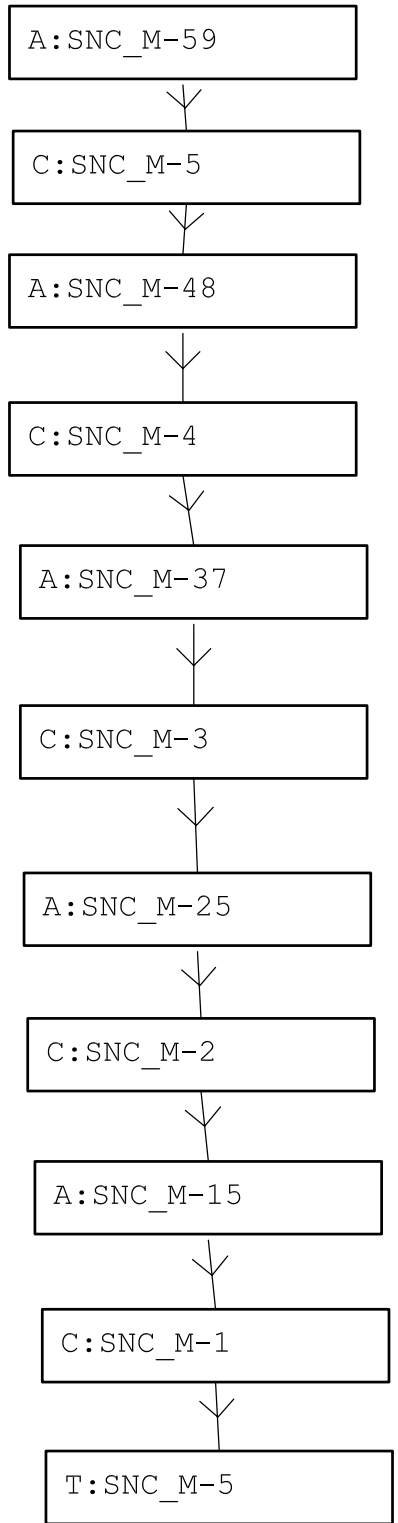
A:SHF\_M-13



C:SHF\_M-1



T:SHF\_M-3





## Appendix M

2006 Supporting Data for  
Hilton Head Island  
Hydrology/Hydraulics

TABLE M-1  
CHANNEL INPUT DATA  
HILTON HEAD ISLAND WATERSHED

ICPR Channel ID	Length (ft)	Maximum Depth (ft)	Top Width (ft)	Manning's n
<b>Sea Pines - Baynard Cove Outfall - Major Basin 1</b>				
<b>BA-SPP-01</b>				
BASP01-C1	999	12.4	150	0.035/0.07
BASP01-C10	404	7.7	585	0.035/0.07
BASP01-C18	550	9.7	600	0.035/0.07
BASP01-C19	500	10.1	470	0.035/0.07
BASP01-C20	471	11.4	470	0.035/0.07
BASP01-C21	600	11.4	470	0.035/0.07
BASP01-C21A	540	7.9	310	0.035/0.07
BASP01-C22	300	14.2	605	0.035/0.07
BASP01-C23	920	14.2	605	0.035/0.07
BASP01-C25	515	14.6	575	0.035/0.07
BASP01-C26	505	14	575	0.035/0.07
BASP01-C27	500	11.6	480	0.035/0.07
BASP01-C28	1000	11	480	0.035/0.07
BASP01-C3	362	11	295	0.035/0.07
BASP01-C30	670	12.2	400	0.035/0.07
BASP01-C34	230	12.6	645	0.035/0.07
BASP01-C34A	600	13.4	735	0.035/0.07
BASP01-C35	770	13.7	735	0.035/0.07
BASP01-C36	800	13.7	540	0.035/0.07
BASP01-C37	410	13.2	540	0.035/0.07
BASP01-C4	490	5.6	305	0.035/0.07
BASP01-C5	235	6.8	385	0.035/0.07
BASP01-C7	700	8.1	600	0.035/0.07
BASP01-C8	400	8.7	755	0.035/0.07
BASP01-C9	505	7.6	585	0.035/0.07
<b>Sea Pines - Baynard Cove Outfall - Major Basin 2</b>				
<b>BA-SPP-02</b>				
BASP02-C1	325	16.3	530	0.035/0.07
BASP02-C2	325	16.3	530	0.035/0.07
BASP02-C3	350	17.3	965	0.035/0.07
BASP02-C4	350	17.3	965	0.035/0.07
BASP02-C5	430	9.1	275	0.035/0.07
BASP02-C6	430	9.1	275	0.035/0.07
BASP02-C7	460	9	490	0.035/0.07

TABLE M-1  
CHANNEL INPUT DATA  
HILTON HEAD ISLAND WATERSHED

ICPR Channel ID	Length (ft)	Maximum Depth (ft)	Top Width (ft)	Manning's n
<b>Sea Pines - Baynard Cove Outfall - Major Basin 3</b>				
<b>BA-SPP-03</b>				
BASP03-C3	425	11.3	520	0.035/0.07
BASP03-C4	530	11.3	520	0.035/0.07
BASP03-C6	300	9.9	360	0.035/0.07
BASP03-C7	255	9.1	160	0.035/0.07
BASP03-C8	260	13.5	280	0.035/0.07
BASP03-C9	350	11.9	420	0.035/0.07
<b>Sea Pines - Braddock Cove Outfall - Major Basin 1</b>				
<b>BC-SPP-01</b>				
No Channels Modeled in this Watershed				
<b>Long Cove Club - Broad Creek - Major Basin 1</b>				
<b>BR-LCC-01</b>				
No Channels Modeled in this Watershed				
<b>Long Cove Club - Broad Creek - Major Basin 2</b>				
<b>BR-LCC-02</b>				
No Channels Modeled in this Watershed				
<b>Point Comfort - Broad Creek - Major Basin 1</b>				
<b>BR-PCT-01</b>				
No Channels Modeled in this Watershed				
<b>Point Comfort - Broad Creek - Major Basin 2</b>				
<b>BR-PCT-02</b>				
No Channels Modeled in this Watershed				
<b>Palmetto Dunes - Broad Creek - Major Basin 1</b>				
<b>BR-PDP-01</b>				
BRPDP01-C10	570	14	565	0.035/0.07
BRPDP01-C101	450	16.6	400	0.035/0.07
BRPDP01-C102	330	18.3	465	0.035/0.07
BRPDP01-C103	500	15.5	290	0.035/0.07
BRPDP01-C104	380	15.5	295	0.035/0.07
BRPDP01-C105	20	14.9	295	0.035/0.07
BRPDP01-C13	50	14.3	750	0.035/0.07
BRPDP01-C14	510	13.5	385	0.035/0.07
BRPDP01-C15	100	13.5	260	0.035/0.07
BRPDP01-C16	390	12.9	365	0.035/0.07
BRPDP01-C17	550	13.4	595	0.035/0.07
BRPDP01-C18	650	16.5	595	0.035/0.07
BRPDP01-C19	490	16.8	490	0.035/0.07
BRPDP01-C2	400	20	360	0.035/0.07
BRPDP01-C20	450	16.8	470	0.035/0.07
BRPDP01-C21	480	16.8	470	0.035/0.07

TABLE M-1  
CHANNEL INPUT DATA  
HILTON HEAD ISLAND WATERSHED

ICPR Channel ID	Length (ft)	Maximum Depth (ft)	Top Width (ft)	Manning's n
BRPDP01-C22	360	17.5	455	0.035/0.07
BRPDP01-C23	180	21.1	350	0.035/0.07
BRPDP01-C24	715	21.1	240	0.035/0.07
BRPDP01-C25	600	21.1	350	0.035/0.07
BRPDP01-C26	530	19.4	350	0.035/0.07
BRPDP01-C27	20	14.8	405	0.035/0.07
BRPDP01-C28	20	14.8	495	0.035/0.07
BRPDP01-C29	390	15.6	715	0.035/0.07
BRPDP01-C3	900	20	360	0.035/0.07
BRPDP01-C30	815	15.6	715	0.035/0.07
BRPDP01-C31	790	14.1	575	0.035/0.07
BRPDP01-C32	750	14.1	575	0.035/0.07
BRPDP01-C33	300	13.1	430	0.035/0.07
BRPDP01-C34	480	12.5	410	0.035/0.07
BRPDP01-C35	600	12.5	610	0.035/0.07
BRPDP01-C36	620	11.8	610	0.035/0.07
BRPDP01-C37	800	12.8	535	0.035/0.07
BRPDP01-C38	580	15.2	520	0.035/0.07
BRPDP01-C39	610	19.5	550	0.035/0.07
BRPDP01-C4	585	15.8	415	0.035/0.07
BRPDP01-C40	590	19.5	550	0.035/0.07
BRPDP01-C46	410	13.1	485	0.035/0.07
BRPDP01-C47	565	12.8	445	0.035/0.07
BRPDP01-C5	650	14	415	0.035/0.07
BRPDP01-C50	660	13.5	415	0.035/0.07
BRPDP01-C51	400	15.5	370	0.035/0.07
BRPDP01-C52	20	17.5	395	0.035/0.07
BRPDP01-C53	400	17.5	395	0.035/0.07
BRPDP01-C54	600	15.1	570	0.035/0.07
BRPDP01-C55	500	16.5	755	0.035/0.07
BRPDP01-C56	620	16	625	0.035/0.07
BRPDP01-C6	610	14.1	375	0.035/0.07
BRPDP01-C60	20	14.8	405	0.035/0.07
BRPDP01-C61	690	13	300	0.035/0.07
BRPDP01-C62	520	15.3	300	0.035/0.07
BRPDP01-C63	550	15.3	360	0.035/0.07
BRPDP01-C64	650	13.8	360	0.035/0.07
BRPDP01-C65	850	14.9	345	0.035/0.07
BRPDP01-C66	560	15.2	465	0.035/0.07
BRPDP01-C67	900	15.2	585	0.035/0.07
BRPDP01-C68	660	15.1	585	0.035/0.07

TABLE M-1  
CHANNEL INPUT DATA  
HILTON HEAD ISLAND WATERSHED

ICPR Channel ID	Length (ft)	Maximum Depth (ft)	Top Width (ft)	Manning's n
BRPDP01-C69	450	14.5	395	0.035/0.07
BRPDP01-C7	320	14.1	580	0.035/0.07
BRPDP01-C70	330	13.7	260	0.035/0.07
BRPDP01-C71	800	13.5	335	0.035/0.07
BRPDP01-C72	530	17	345	0.035/0.07
BRPDP01-C73	450	17	345	0.035/0.07
BRPDP01-C74	500	16.4	340	0.035/0.07
BRPDP01-C8	320	14.9	580	0.035/0.07
BRPDP01-C80	50	13.9	580	0.035/0.07
BRPDP01-C81	410	9.7	330	0.035/0.07
BRPDP01-C82	600	9.7	430	0.035/0.07
BRPDP01-C83	310	6.6	320	0.035/0.07
BRPDP01-C9	520	14.9	565	0.035/0.07
BRPDP01-C90	500	20.5	895	0.035/0.07
BRPDP01-C91	450	20.5	405	0.035/0.07
BRPDP01-C93	390	20.2	475	0.035/0.07
<b>Port Royal Plantation - Broad Creek - Major Basin 1</b>				
<b>BR-PRP-01</b>				
BRPRP01-C1	250	16	150	0.035/0.07
BRPRP01-C10	505	12.7	205	0.035/0.07
BRPRP01-C11	515	11.9	130	0.035/0.07
BRPRP01-C16	500	12.1	265	0.035/0.07
BRPRP01-C17	360	9.8	160	0.035/0.07
BRPRP01-C18	500	9.8	170	0.035/0.07
BRPRP01-C19	250	9.4	185	0.035/0.07
BRPRP01-C2	580	16	170	0.035/0.07
BRPRP01-C20	300	9.4	185	0.035/0.07
BRPRP01-C21	540	9.4	185	0.035/0.07
BRPRP01-C22	250	8	60	0.035/0.07
BRPRP01-C23	100	7	320	0.035/0.07
BRPRP01-C24	230	7	320	0.035/0.07
BRPRP01-C25	600	8.2	320	0.035/0.07
BRPRP01-C26	350	6	130	0.035/0.07
BRPRP01-C27	535	6	145	0.035/0.07
BRPRP01-C28	530	8.7	145	0.035/0.07
BRPRP01-C3	450	10.5	390	0.035/0.07
BRPRP01-C39	60	9.3	160	0.035/0.07
BRPRP01-C4	460	10	390	0.035/0.07
BRPRP01-C40	500	9.3	225	0.035/0.07
BRPRP01-C41	230	9.1	225	0.035/0.07
BRPRP01-C42	500	8.7	290	0.035/0.07

TABLE M-1  
CHANNEL INPUT DATA  
HILTON HEAD ISLAND WATERSHED

ICPR Channel ID	Length (ft)	Maximum Depth (ft)	Top Width (ft)	Manning's n
BRPRP01-C5	470	10.6	140	0.035/0.07
BRPRP01-C6	610	13.4	170	0.035/0.07
BRPRP01-C61	500	7.3	125	0.035/0.07
BRPRP01-C65	500	7.3	105	0.035/0.07
BRPRP01-C7	400	13.4	260	0.035/0.07
BRPRP01-C8	410	14	160	0.035/0.07
BRPRP01-C9	180	12.7	205	0.035/0.07
<b>Wexford Plantation - Broad Creek - Major Basin 1</b>				
<b>BR-WEX-01</b>				
BRWEX01-C1	600	16.8	150	0.035/0.07
BRWEX01-C10	275	14.6	420	0.035/0.07
BRWEX01-C11	290	17.5	420	0.035/0.07
BRWEX01-C12	385	17.5	405	0.035/0.07
BRWEX01-C13	400	16	350	0.035/0.07
BRWEX01-C14	350	12.5	525	0.035/0.07
BRWEX01-C14A	435	8.7	850	0.035/0.07
BRWEX01-C15	250	12.5	525	0.035/0.07
BRWEX01-C16	500	9.9	300	0.035/0.07
BRWEX01-C17	510	13.7	450	0.035/0.07
BRWEX01-C18	190	13.7	450	0.035/0.07
BRWEX01-C19	305	13.7	450	0.035/0.07
BRWEX01-C2	270	16.8	300	0.035/0.07
BRWEX01-C20	280	10.8	495	0.035/0.07
BRWEX01-C21	220	9.5	495	0.035/0.07
BRWEX01-C22	210	7.2	370	0.035/0.07
BRWEX01-C23	70	8.2	465	0.035/0.07
BRWEX01-C24	300	9	920	0.035/0.07
BRWEX01-C25	400	9	920	0.035/0.07
BRWEX01-C26	220	8.6	225	0.035/0.07
BRWEX01-C27	220	7.5	395	0.035/0.07
BRWEX01-C28	100	11.1	395	0.035/0.07
BRWEX01-C29	110	12.3	295	0.035/0.07
BRWEX01-C3	610	14.7	440	0.035/0.07
BRWEX01-C30	390	17.1	620	0.035/0.07
BRWEX01-C31	430	17.1	620	0.035/0.07
BRWEX01-C32	90	15.7	455	0.035/0.07
BRWEX01-C33	140	15.7	455	0.035/0.07
BRWEX01-C34	240	14.6	445	0.035/0.07
BRWEX01-C35	240	14.5	445	0.035/0.07
BRWEX01-C36	220	14.5	320	0.035/0.07
BRWEX01-C4	640	14.7	440	0.035/0.07
BRWEX01-C5	500	14.2	400	0.035/0.07
BRWEX01-C50	310	13.7	525	0.035/0.07

TABLE M-1  
CHANNEL INPUT DATA  
HILTON HEAD ISLAND WATERSHED

ICPR Channel ID	Length (ft)	Maximum Depth (ft)	Top Width (ft)	Manning's n
BRWEX01-C51	490	13.7	575	0.035/0.07
BRWEX01-C52	500	7.7	575	0.035/0.07
BRWEX01-C53	320	7.3	870	0.035/0.07
BRWEX01-C6	500	15.5	360	0.035/0.07
BRWEX01-C7	380	18.6	360	0.035/0.07
BRWEX01-C70	470	16.5	455	0.035/0.07
BRWEX01-C71	230	17.5	340	0.035/0.07
BRWEX01-C72	210	17.5	340	0.035/0.07
BRWEX01-C73	315	16	240	0.035/0.07
BRWEX01-C74	350	13.8	220	0.035/0.07
BRWEX01-C75	370	13.8	175	0.035/0.07
BRWEX01-C8	310	17.9	275	0.035/0.07
BRWEX01-C80	250	15	345	0.035/0.07
BRWEX01-C81	260	15	365	0.035/0.07
BRWEX01-C82	320	12.5	365	0.035/0.07
BRWEX01-C83	270	14.2	350	0.035/0.07
BRWEX01-C84	390	14.2	505	0.035/0.07
BRWEX01-C85	390	13.1	505	0.035/0.07
BRWEX01-C86	240	13.1	310	0.035/0.07
BRWEX01-C9	615	16	410	0.035/0.07
<b>Wexford Plantation - Broad Creek - Major Basin 2</b>				
<b>BR-WEX-02</b>				
BRWEX02-C1	425	19.3	145	0.035/0.07
BRWEX02-C2	380	12.9	190	0.035/0.07
BRWEX02-C3	525	12.9	190	0.035/0.07
BRWEX02-C4	250	13.6	185	0.035/0.07
BRWEX02-C5	465	16	150	0.035/0.07
BRWEX02-C6	605	16	165	0.035/0.07
BRWEX02-C7	545	13	190	0.035/0.07
BRWEX02-C8	322	12.5	215	0.035/0.07
BRWEX02-C9	330	11.9	215	0.035/0.07
<b>Crossings - Broad Creek - Major Basin 1</b>				
<b>BR-XNG-01</b>				
BRXNG01-C1	410	4.9	120	0.035/0.07
BRXNG01-C10	500	12.8	315	0.035/0.07
BRXNG01-C11	505	12.8	315	0.035/0.07
BRXNG01-C12	500	11.7	240	0.035/0.07
BRXNG01-C13	505	9.7	335	0.035/0.07
BRXNG01-C14	500	10.5	335	0.035/0.07
BRXNG01-C2	515	8.5	225	0.035/0.07
BRXNG01-C3	400	11.7	275	0.035/0.07
BRXNG01-C4	240	11.7	275	0.035/0.07
BRXNG01-C5	150	11.7	275	0.035/0.07
BRXNG01-C6	250	7.8	170	0.035/0.07
BRXNG01-C7	200	7.8	470	0.035/0.07
BRXNG01-C8	300	12	230	0.035/0.07
BRXNG01-C9	525	12	270	0.035/0.07

TABLE M-1  
CHANNEL INPUT DATA  
HILTON HEAD ISLAND WATERSHED

ICPR Channel ID	Length (ft)	Maximum Depth (ft)	Top Width (ft)	Manning's n
<b>Crossings - Broad Creek - Major Basin 1 BR-XNG-01</b>				
No Channels Modeled in this Watershed				
<b>Sea Pines - Calibogue Sound - Major Basin 1 CA-SPP-01</b>				
No Channels Modeled in this Watershed				
<b>Sea Pines - Calibogue Sound - Major Basin 2 CA-SPP-02-001</b>				
No Channels Modeled in this Watershed				
<b>Port Royal Plantation - Fish Haul Creek - Major Basin 1 FH-PRP-01</b>				
FHPRP01-C1	850	11.3	1470	0.035/0.07
FHPRP01-C10	300	6.9	305	0.035/0.07
FHPRP01-C11	360	3.2	220	0.035/0.07
FHPRP01-C12	240	7.8	280	0.035/0.07
FHPRP01-C13	500	7.8	280	0.035/0.07
FHPRP01-C14	530	7.2	330	0.035/0.07
FHPRP01-C2	1100	11.3	1470	0.035/0.07
FHPRP01-C3	600	9.5	430	0.035/0.07
FHPRP01-C4	600	9.6	430	0.035/0.07
FHPRP01-C5	550	7.7	435	0.035/0.07
FHPRP01-C6	450	7.7	500	0.035/0.07
FHPRP01-C7	650	6.8	370	0.035/0.07
FHPRP01-C8	500	7	405	0.035/0.07
FHPRP01-C9	470	7	405	0.035/0.07
<b>Sea Pines - Lawton Canal - Major Basin 1 LC-SPP-01</b>				
LCSP01-C1	500	10.8	345	0.035/0.07
LCSP01-C11	290	9.4	315	0.035/0.07
LCSP01-C12	485	8.2	435	0.035/0.07
LCSP01-C13	215	9.5	570	0.035/0.07
LCSP01-C14	400	9.5	570	0.035/0.07
LCSP01-C15	380	7.2	540	0.035/0.07
LCSP01-C16	540	7.2	880	0.035/0.07
LCSP01-C17	450	8.4	895	0.035/0.07
LCSP01-C18	550	8.4	895	0.035/0.07
LCSP01-C19	510	9.7	850	0.035/0.07
LCSP01-C2	325	10.8	370	0.035/0.07
LCSP01-C20	475	9.7	845	0.035/0.07
LCSP01-C21	290	7.5	525	0.035/0.07



TABLE M-1  
CHANNEL INPUT DATA  
HILTON HEAD ISLAND WATERSHED

ICPR Channel ID	Length (ft)	Maximum Depth (ft)	Top Width (ft)	Manning's n
LCSP01-C22	400	9	160	0.035/0.07
LCSP01-C23	500	10.5	160	0.035/0.07
LCSP01-C24	415	10.5	205	0.035/0.07
LCSP01-C25	290	8	205	0.035/0.07
LCSP01-C26	650	10.3	670	0.035/0.07
LCSP01-C3	420	10.8	370	0.035/0.07
LCSP01-C30	876	11.4	890	0.035/0.07
LCSP01-C31	500	10.1	815	0.035/0.07
LCSP01-C32	410	10.1	815	0.035/0.07
LCSP01-C33	410	10.1	815	0.035/0.07
LCSP01-C35	800	10	570	0.035/0.07
LCSP01-C36	575	10	820	0.035/0.07
LCSP01-C37	410	9.7	840	0.035/0.07
LCSP01-C38	750	9.6	840	0.035/0.07
LCSP01-C39	1180	9	835	0.035/0.07
LCSP01-C4	500	10.8	425	0.035/0.07
LCSP01-C49A	400	5.7	480	0.035/0.07
LCSP01-C5	260	9.8	425	0.035/0.07
LCSP01-C50	580	10.8	655	0.035/0.07
LCSP01-C51	475	10.3	750	0.035/0.07
LCSP01-C51A	200	10.3	750	0.035/0.07
LCSP01-C52	240	8.2	150	0.035/0.07
LCSP01-C53	385	7.3	360	0.035/0.07
LCSP01-C6	550	10.9	250	0.035/0.07
LCSP01-C7	500	10.9	270	0.035/0.07
LCSP01-C71	700	11	320	0.035/0.07
LCSP01-C72	300	13	490	0.035/0.07
LCSP01-C73	450	10.8	530	0.035/0.07
LCSP01-C74	550	10.2	735	0.035/0.07
LCSP01-C8	425	10.4	270	0.035/0.07
LCSP01-C85	750	9.4	335	0.035/0.07
LCSP01-C9	400	9.3	200	0.035/0.07
<b>Sea Pines - Point Comfort Creek - Major Basin 1</b>				
<b>PC-SPP-01</b>				
PCSP01-C1	250	10.1	135	0.035/0.07
PCSP01-C10	450	9	165	0.035/0.07
PCSP01-C11	580	11	170	0.035/0.07
PCSP01-C11A	200	11	150	0.035/0.07
PCSP01-C12	530	11.9	170	0.035/0.07
PCSP01-C13	370	11.9	130	0.035/0.07

TABLE M-1  
CHANNEL INPUT DATA  
HILTON HEAD ISLAND WATERSHED

ICPR Channel ID	Length (ft)	Maximum Depth (ft)	Top Width (ft)	Manning's n
PCSPP01-C14	50	9.2	175	0.035/0.07
PCSPP01-C14A	50	10.3	160	0.035/0.07
PCSPP01-C15	600	9.7	345	0.035/0.07
PCSPP01-C2	490	10.2	155	0.035/0.07
PCSPP01-C3	500	10.3	160	0.035/0.07
PCSPP01-C4	335	10.3	160	0.035/0.07
PCSPP01-C5	200	9.2	185	0.035/0.07
PCSPP01-C6	185	9.2	175	0.035/0.07
PCSPP01-C7	300	9.2	210	0.035/0.07
PCSPP01-C8	430	8.9	210	0.035/0.07
PCSPP01-C9	70	8.9	165	0.035/0.07
<b>Sea Pines - Point Comfort Creek - Major Basin 2</b>				
<b>PC-SPP-02</b>				
PCSP02-C1	90	8.2	150	0.035/0.07
PCSP02-C2	370	8.7	150	0.035/0.07
PCSP02-C3	545	8.7	140	0.035/0.07
PCSP02-C3	545	8.7	140	0.035/0.07
<b>Chaplan Area - Broad Creek Outfall - Major Basin 1</b>				
<b>BR-CHP-01</b>				
BRCHP01-C1	268	5.57	32	0.035/0.07
BRCHP01-C10	366	5.92	55	0.035/0.07
BRCHP01-C11	439	5.92	34	0.035/0.07
BRCHP01-C2	244	4.17	18	0.035/0.07
BRCHP01-C2A	244	5	110	0.035/0.07
BRCHP01-C3	130	5.59	30	0.035/0.07
BRCHP01-C4	398	7.77	75	0.035/0.07
BRCHP01-C5	130	4.71	110	0.035/0.07
BRCHP01-C6	456	4.71	110	0.035/0.07
<b>Indigo Run - Broad Creek Outfall - Major Basin 2</b>				
<b>BR-IRP-02</b>				
BRIRP02-C1	400	14.2	350	0.035/0.07
BRIRP02-C2	50	2.83	770	0.035/0.07
BRIRP02-C3	50	6.29	795	0.035/0.07
<b>Airport - Fish Haul Creek Outfall - Major Basin 1</b>				
<b>FH-AIR-01</b>				
FHAIR0-C1	1000	8.03	38	0.035/0.07
<b>Hilton Head Plantation - Jarvis Creek Outfall - Major Basin 1</b>				
<b>JV-HHP-01</b>				
JVHHP01-C50	800	5.02	34	0.035/0.07
JVHHP01-C7A	750	6.88	33	0.035/0.07
<b>Indigo Run - Jarvis Creek Outfall - Major Basin 1</b>				
<b>JV-IRP-01</b>				
JVIRP01-C1	450	4	20	0.035/0.07

TABLE M-1  
CHANNEL INPUT DATA  
HILTON HEAD ISLAND WATERSHED

ICPR Channel ID	Length (ft)	Maximum Depth (ft)	Top Width (ft)	Manning's n
<b>Spanish Wells Plantation - Old House Creek Outfall - Major Basin 1 OH-SPW-01</b>				
OHSPW01-C1	500	5.68	175	0.035/0.07
<b>Hilton Head Plantation - Port Royal Sound Outfall - Major Basin 1 PR-HHP-01</b>				
PRHHP01-C1	300	5.73	290	0.035/0.07
PRHHP01-C2	500	8.53	290	0.035/0.07
PRHHP01-C3	600	13.23	255	0.035/0.07
PRHHP01-C4	100	13.35	250	0.035/0.07
PRHHP01-C5	600	13.35	305	0.035/0.07
<b>Palmetto Hall - Port Royal Sound - Major Basin 1 PR-PHP-01</b>				
PRPHP01-C1	950	6.06	400	0.035/0.07
PRPHP01-C2	500	6.32	400	0.035/0.07
PRPHP01-C3	500	6.32	355	0.035/0.07
<b>Gum Tree - Skull Creek Outfall - Major Basin 1 SK-GUM-01</b>				
SKGUM01-C1	136	8.75	165	0.035/0.07
SKGUM01-C10	110	5.71	90	0.035/0.07
SKGUM01-C11	290	6.65	215	0.035/0.07
SKGUM01-C2	126	7.51	100	0.035/0.07
SKGUM01-C4	360	9.76	425	0.035/0.07
SKGUM01-C5	470	11.98	1240	0.035/0.07
SKGUM01-C6	300	11.98	1240	0.035/0.07
SKGUM01-C7	550	11.08	1035	0.035/0.07
SKGUM01-C8	295	9.14	585	0.035/0.07
SKGUM01-C9	405	9.11	240	0.035/0.07

TABLE M-2  
WEIR INPUT DATA  
HILTON HEAD ISLAND WATERSHED

ICPR Weir ID	Type	Crest Elevation (ft)	Geometry	Span (ft)	Rise (ft)
<b>Sea Pines - Baynard Cove Outfall - Major Basin 1 BA-SPP-01</b>					
BASP01-DW1	Paved Road	7.5	Rectangular	120	99
BASP01-PW1	Paved Road	7.0	Rectangular	100	99
BASP01-PW10	Paved Road	4.5	Rectangular	200	99
BASP01-PW11	Paved Road	3.5	Rectangular	100	99
BASP01-PW12	Paved Road	4.0	Rectangular	150	99
BASP01-PW13	Paved Road	4.0	Rectangular	150	99
BASP01-PW14	Paved Road	10.0	Rectangular	100	99
BASP01-PW15	Paved Road	6.0	Rectangular	100	99
BASP01-PW16	Paved Road	4.0	Rectangular	100	99
BASP01-PW17	Gravel	2.0	Trapezoidal	100	99
BASP01-PW19	Paved Road	3.0	Rectangular	50	99
BASP01-PW2	Paved Road	6.0	Rectangular	100	99
BASP01-PW20	Paved Road	3.0	Rectangular	50	99
BASP01-PW21	Paved Road	3.0	Rectangular	100	99
BASP01-PW22	Paved Road	4.0	Rectangular	100	99
BASP01-PW23	Paved Road	3.0	Rectangular	100	99
BASP01-PW24	Paved Road	6.5	Rectangular	150	99
BASP01-PW25	Paved Road	4.0	Rectangular	100	99
BASP01-PW26	Paved Road	5.0	Rectangular	100	99
BASP01-PW27	Paved Road	5.0	Rectangular	150	99
BASP01-PW28	Paved Road	5.0	Rectangular	100	99
BASP01-PW29	Paved Road	7.0	Rectangular	100	99
BASP01-PW3	Paved Road	5.5	Rectangular	100	99
BASP01-PW4	Paved Road	6.0	Rectangular	100	99
BASP01-PW5	Paved Road	4.5	Rectangular	100	99
BASP01-PW59A	Paved Road	4.0	Rectangular	100	99
BASP01-PW59B	Paved Road	4.0	Rectangular	100	99
BASP01-PW6	Paved Road	4.5	Rectangular	100	99
<b>Sea Pines - Baynard Cove Outfall - Major Basin 2 BA-SPP-02</b>					
BASP02-DW1	Paved Road	6.0	Rectangular	100	99
BASP02-PW1	Paved Road	6.0	Rectangular	100	99
BASP02-PW1A	Paved Road	7.0	Rectangular	100	99
BASP02-PW2	Paved Road	6.0	Rectangular	100	99

TABLE M-2  
WEIR INPUT DATA  
HILTON HEAD ISLAND WATERSHED

ICPR Weir ID	Type	Crest Elevation (ft)	Geometry	Span (ft)	Rise (ft)
BASP02-PW3	Paved Road	7.0	Rectangular	250	99
BASP02-PW4	Paved Road	5.0	Rectangular	100	99
BASP02-PW5	Paved Road	7.0	Rectangular	100	99
BASP02-PW6	Paved Road	5.0	Rectangular	80	99
BASP02-PW7	Paved Road	7.0	Rectangular	80	99
BASP02-PW8	Paved Road	6.0	Rectangular	80	99
<b>Sea Pines - Baynard Cove Outfall - Major Basin 3</b>					
<b>BA-SPP-03</b>					
BASP03-PW1	Paved Road	6.0	Rectangular	100	99
BASP03-PW2	Paved Road	6.0	Rectangular	100	99
BASP03-PW3	Paved Road	6.0	Rectangular	100	99
BASP03-PW4	Paved Road	6.0	Rectangular	100	99
BASP03-PW5	Paved Road	6.0	Rectangular	100	99
BASP03-PW6	Paved Road	7.0	Rectangular	150	99
BASP03-PW7	Paved Road	6.0	Rectangular	150	99
<b>Sea Pines - Braddock Cove Outfall - Major Basin 1</b>					
<b>BC-SPP-01</b>					
BCSP01-DW1	Paved Road	6.5	Rectangular	100	99
BCSP01-DW2	Paved Road	7.0	Rectangular	100	99
<b>Long Cove Club - Broad Creek - Major Basin 1</b>					
<b>BR-LCC-01</b>					
BRLCC01-DW2	Paved Road	6.0	Rectangular	100	99
BRLCC01-DW3	Paved Road	6.0	Rectangular	100	99
BRLCC01-DW3A	Paved Road	7.0	Rectangular	100	99
BRLCC01-DW4	Paved Road	6.0	Rectangular	100	99
BRLCC01-DW5	Gravel	5.0	Rectangular	100	99
BRLCC01-DW6	Gravel	4.5	Rectangular	100	99
BRLCC01-PW1	Paved Road	5.0	Rectangular	100	99
BRLCC01-PW10	Paved Road	7.0	Rectangular	100	99
BRLCC01-PW11	Paved Road	5.5	Rectangular	100	99
BRLCC01-PW12	Paved Road	5.0	Rectangular	100	99
BRLCC01-PW2	Vertical	6.0	Rectangular	100	99
BRLCC01-PW3	Vertical	7.0	Rectangular	100	99
BRLCC01-PW5	Paved Road	7.0	Rectangular	100	99
BRLCC01-PW6	Paved Road	6.0	Rectangular	100	99
BRLCC01-PW7	Paved Road	6.0	Rectangular	100	99
BRLCC01-PW8	Paved Road	7.0	Rectangular	100	99
BRLCC01-PW9	Paved Road	6.0	Rectangular	100	99
<b>Long Cove Club - Broad Creek - Major Basin 2</b>					
<b>BR-LCC-02</b>					
BRLCC02-PW1	Gravel	6.0	Rectangular	100	99

TABLE M-2  
WEIR INPUT DATA  
HILTON HEAD ISLAND WATERSHED

ICPR Weir ID	Type	Crest Elevation (ft)	Geometry	Span (ft)	Rise (ft)
<b>Point Comfort - Broad Creek - Major Basin 1</b>					
<b>BR-PCT-01</b>					
BRPCT01-PW1	Paved Road	6.0	Rectangular	100	99
BRPCT01-PW2	Paved Road	6.0	Rectangular	100	99
BRPCT01-PW3	Vertical	6.0	Rectangular	100	99
BRPCT01-PW4	Vertical	7.0	Rectangular	100	99
BRPCT01-PW5	Vertical	8.0	Rectangular	100	99
BRPCT01-PW6	Paved Road	6.0	Rectangular	100	99
BRPCT01-PW7	Paved Road	7.0	Rectangular	100	99
<b>Point Comfort - Broad Creek - Major Basin 2</b>					
<b>BR-PCT-02</b>					
BRPCT02-PW1	Paved Road	7.0	Rectangular	100	99
BRPCT02-PW2	Paved Road	6.0	Rectangular	100	99
BRPCT02-PW3	Paved Road	6.0	Rectangular	100	99
BRPCT02-PW4	Paved Road	6.0	Rectangular	100	99
BRPCT02-PW5	Paved Road	6.0	Rectangular	100	99
BRPCT02-PW6	Paved Road	6.0	Rectangular	100	99
BRPCT02-W1	Vertical	4.1	Rectangular	240	99
<b>Port Royal Plantation - Broad Creek - Major Basin 1</b>					
<b>BR-PRP-01</b>					
BRPRP01-PW1	Paved Road	7.0	Rectangular	100	99
BRPRP01-PW11	Paved Road	8.0	Rectangular	100	99
BRPRP01-PW12	Paved Road	9.0	Rectangular	100	99
BRPRP01-PW13	Paved Road	13.0	Rectangular	100	99
BRPRP01-PW3	Paved Road	10.0	Rectangular	100	99
BRPRP01-PW40	Paved Road	7.0	Rectangular	100	99
BRPRP01-PW5	Paved Road	10.0	Rectangular	100	99
BRPRP01-PW5A	Paved Road	10.0	Rectangular	100	99
BRPRP01-PW6	Paved Road	10.0	Rectangular	100	99
BRPRP01-PW61	Paved Road	9.0	Rectangular	100	99
BRPRP01-PW66	Paved Road	9.0	Rectangular	100	99
BRPRP01-PW8	Paved Road	9.0	Rectangular	100	99
BRPRP01-PW9	Paved Road	6.0	Rectangular	100	99
BRPRP01-W1	Vertical	2.5	Trapezoidal	60	99
<b>Wexford Plantation - Broad Creek - Major Basin 1</b>					
<b>BR-WEX-01</b>					
BRWEX01-DW50	Paved Road	6.0	Rectangular	100	99
BRWEX01-DW63	Paved Road	9.0	Rectangular	100	99
BRWEX01-PW1	Gravel	6.0	Rectangular	100	99
BRWEX01-PW2	Paved Road	8.0	Rectangular	100	99
BRWEX01-PW3	Paved Road	10.0	Rectangular	100	99

TABLE M-2  
WEIR INPUT DATA  
HILTON HEAD ISLAND WATERSHED

ICPR Weir ID	Type	Crest Elevation (ft)	Geometry	Span (ft)	Rise (ft)
BRWEX01-PW3A	Paved Road	8.0	Rectangular	100	99
BRWEX01-PW4	Paved Road	9.0	Rectangular	100	99
BRWEX01-PW5	Paved Road	8.0	Rectangular	100	99
BRWEX01-PW50	Paved Road	7.0	Rectangular	100	99
BRWEX01-PW60	Paved Road	7.0	Rectangular	100	99
BRWEX01-PW61	Paved Road	4.0	Rectangular	100	99
BRWEX01-PW62	Paved Road	5.0	Rectangular	100	99
BRWEX01-PW63	Paved Road	5.0	Rectangular	100	99
BRWEX01-PW64	Paved Road	5.5	Rectangular	100	99
BRWEX01-PW7	Paved Road	8.0	Rectangular	100	99
BRWEX01-PW70	Paved Road	7.0	Rectangular	100	99
BRWEX01-PW7A	Vertical	6.5	Rectangular	100	99
BRWEX01-W1	Vertical	0.1	Rectangular	30	99
<b>Wexford Plantation - Broad Creek - Major Basin 2</b>					
<b>BR-WEX-02</b>					
BRWEX02-PW1	Paved Road	7.0	Rectangular	100	99
BRWEX02-PW2	Paved Road	7.0	Rectangular	100	99
BRWEX02-W1	Vertical	3.3	Rectangular	600	99
<b>Crossings - Broad Creek - Major Basin 1</b>					
<b>BR-XNG-01</b>					
BRXNG01-DW1	Vertical	7.0	Rectangular	100	99
BRXNG01-PW1	Paved Road	7.0	Rectangular	100	99
BRXNG01-PW1	Paved Road	7.0	Rectangular	100	99
<b>Sea Pines - Calibogue Sound - Major Basin 1</b>					
<b>CA-SPP-01</b>					
CASP01-PW2	Paved Road	6.0	Rectangular	100	99
CASP01-W1	Vertical	6.0	Rectangular	100	99
CASP02-PW1	Paved Road	5.0	Rectangular	100	99
CASP02-W1	Vertical	2.8	Rectangular	36	99
<b>Port Royal Plantation - Fish Haul Creek - Major Basin 1</b>					
<b>FH-PRP-01</b>					
FHPRP01-PW1	Paved Road	6.0	Rectangular	100	99
FHPRP01-PW2	Paved Road	6.0	Rectangular	100	99
FHPRP01-PW3	Paved Road	7.0	Rectangular	100	99
FHPRP01-PW4	Paved Road	9.0	Rectangular	100	99
FHPRP01-PW5	Paved Road	11.0	Rectangular	100	99
<b>Sea Pines - Lawton Canal - Major Basin 1</b>					
<b>LC-SPP-01</b>					
LCSP01-DW1	Gravel	5.0	Rectangular	100	99
LCSP01-DW4	Paved Road	4.5	Rectangular	100	99
LCSP01-DW50	Paved Road	4.0	Rectangular	100	99

TABLE M-2  
WEIR INPUT DATA  
HILTON HEAD ISLAND WATERSHED

ICPR Weir ID	Type	Crest Elevation (ft)	Geometry	Span (ft)	Rise (ft)
LCSP01-DW51	Paved Road	5.0	Rectangular	100	99
LCSP01-DW70	Paved Road	5.0	Rectangular	100	99
LCSP01-PW3	Paved Road	4.5	Rectangular	100	99
LCSP01-PW31	Vertical	4.0	Rectangular	100	99
LCSP01-PW32	Vertical	4.0	Rectangular	100	99
LCSP01-PW4	Vertical	8.0	Rectangular	100	99
LCSP01-PW71	Paved Road	6.0	Rectangular	100	99
LCSP01-PW72	Paved Road	5.0	Rectangular	100	99
LCSP01-PW73	Paved Road	6.0	Rectangular	100	99
LCSP01-PW73A	Paved Road	6.0	Rectangular	100	99
LCSP01-PW85	Vertical	4.5	Rectangular	100	99
LCSP01-W1	Vertical	0.0	Rectangular	144	36
LCSP01-W100	Vertical	0.0	Rectangular	11000	99
LCSP01-W1A	Vertical	2.1	Rectangular	346	99
<b>Sea Pines - Point Comfort Creek - Major Basin 1</b>					
<b>PC-SPP-01</b>					
PCSPP01-DW1	Paved Road	7.0	Rectangular	100	99
PCSPP01-PW1	Paved Road	6.0	Rectangular	100	99
PCSPP01-PW2	Paved Road	7.0	Rectangular	100	99
PCSPP01-PW4	Paved Road	7.0	Rectangular	100	99
PCSPP01-PW5	Paved Road	9.0	Rectangular	100	99
PCSPP01-PW6	Paved Road	10.0	Rectangular	100	99
<b>Sea Pines - Point Comfort Creek - Major Basin 2</b>					
<b>PC-SPP-02</b>					
PCSPP02-PW1	Paved Road	7.0	Rectangular	100	99
PCSPP02-PW2	Paved Road	7.0	Rectangular	100	99
<b>Chaplan Area - Broad Creek Outfall - Major Basin 1</b>					
<b>BR-CHP-01</b>					
BRCHP01-PW1	Paved Road	6.5	Trapezoidal	50	99
BRCHP01-PW10	Vertical	9.0	Trapezoidal	75	99
BRCHP01-PW2	Vertical	6.0	Trapezoidal	50	99
BRCHP01-PW3	Vertical	6.0	Trapezoidal	50	99
BRCHP01-PW4	Paved Road	7.0	Trapezoidal	100	99
BRCHP01-PW5	Vertical	7.5	Trapezoidal	20	99
BRCHP01-PW6	Vertical	7.5	Trapezoidal	20	99
BRCHP01-W1	Vertical	6.1	Irregular	50	99



TABLE M-2  
WEIR INPUT DATA  
HILTON HEAD ISLAND WATERSHED

ICPR Weir ID	Type	Crest Elevation (ft)	Geometry	Span (ft)	Rise (ft)
<b>Indigo Run - Broad Creek Outfall - Major Basin 1 BR-IRP-01</b>					
BRIRP01-DW1	Vertical	6.0	Trapezoidal	50	99
BRIRP01-DW2	Paved Road	14.0	Trapezoidal	100	99
BRIRP01-PW1	Gravel	10.0	Trapezoidal	100	99
BRIRP01-PW10	Paved Road	12.0	Trapezoidal	100	99
BRIRP01-PW11	Paved Road	13.0	Trapezoidal	100	99
BRIRP01-PW12	Gravel	12.0	Trapezoidal	100	99
BRIRP01-PW2	Vertical	8.5	Trapezoidal	10	99
BRIRP01-PW3	Paved Road	14.0	Trapezoidal	100	99
BRIRP01-PW4A	Paved Road	14.5	Trapezoidal	100	99
BRIRP01-PW5	Paved Road	12.0	Trapezoidal	100	99
BRIRP01-PW6	Paved Road	13.0	Trapezoidal	100	99
BRIRP01-PW7	Paved Road	12.0	Trapezoidal	100	99
BRIRP01-PW8	Paved Road	14.0	Trapezoidal	100	99
BRIRP01-PW9	Vertical	12.5	Trapezoidal	100	99
<b>Indigo Run - Broad Creek Outfall - Major Basin 2 BR-IRP-02</b>					
BRIRP02-PW1	Paved Road	10.0	Trapezoidal	100	99
BRIRP02-PW4	Vertical	16.0	Trapezoidal	100	99
BRIRP02-PW5	Vertical	14.0	Trapezoidal	100	99
<b>Airport - Fish Haul Creek Outfall - Major Basin 1 FH-AIR-01</b>					
FHAIR01-PW1	Paved Road	6.0	Trapezoidal	100	99
FHAIR01-PW2	Vertical	13.0	Trapezoidal	100	99
FHAIR01-PW3	Vertical	12.0	Trapezoidal	100	99
FHAIR01-W1	Vertical	4.4	Trapezoidal	8	99
FHAIR01-W2	Vertical	5.2	Trapezoidal	0	99
<b>Gum Tree - Jarvis Creek - Major Basin 1 JV-GUM-01</b>					
JVGUM01-PW1	Paved Road	10.0	Trapezoidal	100	99
JVGUM01-PW2	Paved Road	6.0	Trapezoidal	100	99
<b>Hilton Head Plantation - Jarvis Creek Outfall - Major Basin 1 JV-HHP-01</b>					
JVHHP01-DW1	Paved Road	9.0	Trapezoidal	100	99
JVHHP01-DW100	Vertical	17.5	Trapezoidal	100	99
JVHHP01-DW4	Paved Road	12.0	Trapezoidal	100	99
JVHHP01-DW6	Paved Road	18.0	Trapezoidal	100	99
JVHHP01-PW1	Paved Road	9.5	Trapezoidal	100	99
JVHHP01-PW10	Vertical	15.0	Trapezoidal	50	99
JVHHP01-PW2	Paved Road	13.5	Trapezoidal	100	99

TABLE M-2  
WEIR INPUT DATA  
HILTON HEAD ISLAND WATERSHED

ICPR Weir ID	Type	Crest Elevation (ft)	Geometry	Span (ft)	Rise (ft)
JVHHP01-PW3	Paved Road	9.0	Trapezoidal	100	99
JVHHP01-PW4	Paved Road	9.0	Trapezoidal	100	99
JVHHP01-PW5	Paved Road	11.0	Trapezoidal	75	99
JVHHP01-PW5A	Paved Road	10.0	Trapezoidal	100	99
JVHHP01-PW6	Paved Road	12.5	Trapezoidal	100	99
JVHHP01-PW7	Vertical	11.5	Trapezoidal	50	99
JVHHP01-PW7A	Paved Road	10.0	Trapezoidal	100	99
JVHHP01-PW9	Vertical	14.0	Trapezoidal	100	99
JVHHP01-W1	Vertical	10.0	Trapezoidal	200	99
<b>Indigo Run - Jarvis Creek Outfall - Major Basin 1</b>					
<b>JV-IRP-01</b>					
JVIRP01-DW1	Vertical	8.0	Trapezoidal	100	99
JVIRP01-PW1	Paved Road	17.0	Trapezoidal	100	99
JVIRP01-PW2	Vertical	7.0	Trapezoidal	50	99
<b>Spanish Wells Plantation - Old House Creek Outfall - Major Basin 1</b>					
<b>OH-SPW-01</b>					
OHSPW01-PW1	Paved Road	11.0	Trapezoidal	100	99
OHSPW01-PW2	Vertical	13.0	Trapezoidal	20	99
OHSPW01-PW3	Vertical	13.5	Trapezoidal	20	99
OHSPW01-PW4	Vertical	13.5	Trapezoidal	20	99
OHSPW01-PW5	Paved Road	15.0	Trapezoidal	100	99
OHSPW01-W1	Vertical	7.7	Trapezoidal	0.51	99
<b>Hilton Head Plantation - Park Creek - Major Basin 1</b>					
<b>PA-HHP-01</b>					
PAHHP01-DW1	Vertical	15.0	Trapezoidal	100	99
PAHHP01-DW2	Vertical	7.0	Trapezoidal	15	99
PAHHP01-PW1	Paved Road	8.0	Trapezoidal	100	99
PAHHP01-PW2	Paved Road	10.0	Trapezoidal	100	99
PAHHP01-PW3	Paved Road	15.0	Trapezoidal	50	99
PAHHP01-PW4	Vertical	11.5	Trapezoidal	10	99
PAHHP01-PW5	Vertical	14.0	Trapezoidal	60	99
PAHHP01-PW6	Vertical	9.5	Trapezoidal	30	99
PAHHP01-W1	Vertical	5.6	Rectangular	300	99
<b>Palmetto Hall - Port Royal Sound - Major Basin 1</b>					
<b>PR-PHP-01</b>					
PRHHP01-DW1	Vertical	12.0	Trapezoidal	50	99
PRHHP01-DW2	Vertical	12.5	Trapezoidal	25	99
PRHHP01-DW3	Paved Road	14.0	Trapezoidal	100	99
PRHHP01-DW4	Paved Road	12.0	Trapezoidal	100	99
PRHHP01-PW1	Paved Road	11.0	Trapezoidal	100	99
PRHHP01-PW2	Paved Road	12.0	Trapezoidal	50	99

TABLE M-2  
WEIR INPUT DATA  
HILTON HEAD ISLAND WATERSHED

ICPR Weir ID	Type	Crest Elevation (ft)	Geometry	Span (ft)	Rise (ft)
PRHHP01-PW3	Vertical	12.0	Trapezoidal	50	99
PRHHP01-PW4	Vertical	12.0	Trapezoidal	35	99
PRHHP01-W1	Vertical	4.5	Rectangular	40	99
PRHHP02-DW1	Vertical	15.0	Trapezoidal	100	99
PRHHP02-PW1	Paved Road	14.0	Trapezoidal	100	99
PRHHP02-PW2	Paved Road	15.0	Trapezoidal	50	99
PRPHP01-DW1	Paved Road	13.0	Trapezoidal	100	99
PRPHP01-DW2	Vertical	13.0	Trapezoidal	20	99
PRPHP01-DW3	Paved Road	13.0	Trapezoidal	100	99
PRPHP01-DW4	Vertical	16.0	Trapezoidal	100	99
PRPHP01-PW1	Paved Road	5.0	Trapezoidal	100	99
PRPHP01-PW10	Vertical	13.0	Trapezoidal	100	99
PRPHP01-PW11	Paved Road	15.0	Trapezoidal	50	99
PRPHP01-PW14	Vertical	16.0	Trapezoidal	20	99
PRPHP01-PW15	Vertical	15.0	Trapezoidal	10	99
PRPHP01-PW3	Paved Road	12.0	Trapezoidal	10	99
PRPHP01-PW4	Vertical	13.0	Rectangular	100	99
PRPHP01-PW5	Vertical	14.0	Trapezoidal	100	99
PRPHP01-PW6	Gravel	13.0	Trapezoidal	50	99
<b>Gum Tree - Skull Creek Outfall - Major Basin 1</b>					
<b>SK-GUM-01</b>					
SKGUM01-PW1	Paved Road	8.0	Trapezoidal	100	99
SKGUM01-PW2	Vertical	6.5	Trapezoidal	100	99
SKGUM01-PW3	Vertical	6.0	Trapezoidal	30	99
SKGUM01-PW4	Vertical	7.0	Trapezoidal	50	99
SKGUM01-PW5	Paved Road	9.0	Trapezoidal	100	99
SKGUM01-PW6	Paved Road	8.5	Trapezoidal	20	99
SKGUM01-PW7	Paved Road	10.0	Trapezoidal	50	99
SKGUM01-PW8	Paved Road	10.0	Trapezoidal	100	99
SKGUM01-W1A	Vertical	1.2	Irregular	-	99
SKGUM01-W1B	Vertical	2.0	Irregular	-	99
SKGUM01-W1C	Vertical	0.3	Irregular	-	99
SKGUM01-WOUT	Vertical	5.1	Rectangular	360	99
<b>Hilton Head Plantation - Skull Creek - Major Basin 1</b>					
<b>SK-HHP-01</b>					
SKHHP01-DW1	Paved Road	12.0	Trapezoidal	100	99
SKHHP01-PW1	Vertical	16.0	Trapezoidal	100	99
SKHHP01-PW2A	Paved Road	13.0	Trapezoidal	100	99
SKHHP01-PW4	Vertical	13.0	Trapezoidal	100	99
<b>Hilton Head Plantation - Skull Creek - Major Basin 2</b>					
<b>SK-HHP-02</b>					

TABLE M-2  
WEIR INPUT DATA  
HILTON HEAD ISLAND WATERSHED

ICPR Weir ID	Type	Crest Elevation (ft)	Geometry	Span (ft)	Rise (ft)
SKHHP02-DW1	Paved Road	13.0	Trapezoidal	10	99
SKHHP02-PW1	Vertical	12.0	Trapezoidal	100	99
SKHHP02-PW2	Vertical	13.0	Trapezoidal	50	99
SKHHP02-PW3	Paved Road	14.0	Trapezoidal	100	99
SKHHP02-W1	Vertical	3.6	Rectangular	480	99
SKHHP02-W1	Vertical	3.6	Rectangular	480	99

TABLE M-3  
TIDE GATES  
HILTON HEAD ISLAND WATERSHED

ICPR Conduit ID	Tide Gate Description
<b>Long Cove Club - Broad Creek - Major Basin 2</b>	
BRLCC02-P1	Cast Iron Rodney Hunt
<b>Port Royal Plantation - Broad Creek - Major Basin 1</b>	
BRPRP01-P1	NA
<b>Wexford Plantation - Broad Creek - Major Basin 1</b>	
BRWEX01-P1	Stainless Steel, good condition
<b>Crossings - Broad Creek - Major Basin 1</b>	
BRXNG01-P1	Hinged, poor conditions
<b>Sea Pines Plantation - Lawton Canal - Major Basin 1</b>	
LCSP01-P1	Cast Iron; good condition
<b>Indigo Run Plantation - Broad Creek Outfall - Major Basin 1</b>	
BRIRP01-P1	Good Condition
<b>Indigo Run Plantation - Broad Creek Outfall - Major Basin 2</b>	
BRIRP02-P1	Good Condition
<b>Hilton Head Plantation - Jarvis Creek Outfall - Major Basin 1</b>	
JVHHP01-P1	Aluminum, good condition
<b>Spanish Wells Plantation - Old House Creek Outfall - Major Basin 1</b>	
OHSPW01-P1	NA
<b>Palmetto Dunes - Port Royal Sound - Major Basin 2</b>	
BRPDP01-P1	Cast Iron, Sluice gate, good condition
<b>Sea Pines Plantation - Point Comfort Creek - Major Basin 1</b>	
PCSP01-P1	Good Condition

TABLE M-4  
STORAGE AREA INPUT DATA  
HILTON HEAD ISLAND WATERSHED

ICPR Node ID	Minimum Stage (ft)	Minimum Surface Area (ac)	Maximum Stage (ft)	Maximum Surface Area (ac)
<b>Sea Pines - Baynard Cove Outfall - Major Basin 1 BA-SPP-01</b>				
BASP01-10	0.0	0.0	15.0	0.6
BASP01-22	0.0	0.0	17.0	13.9
BASP01-25	0.0	0.0	5.0	0.2
BASP01-26	0.0	0.0	5.0	1.0
BASP01-27	0.0	0.0	16.0	18.1
BASP01-3	-3.0	0.0	17.0	26.8
BASP01-30	0.0	0.0	13.0	0.7
BASP01-34	-1.0	0.0	18.0	6.6
BASP01-44	0.0	0.0	16.0	1.2
BASP01-46	-1.0	0.0	16.0	13.1
BASP01-52	0.0	0.0	16.0	10.2
BASP01-59	0.0	0.0	15.0	8.4
BASP01-59A	0.0	0.0	8.0	8.4
BASP01-6	0.0	0.0	15.0	1.5
BASP01-61	0.0	0.0	8.0	1.9
BASP01-62	-1.0	0.0	15.0	9.4
BASP01-63	-1.0	0.0	14.0	6.9
BASP01-64	-1.0	0.0	14.0	11.6
BASP01-65	0.0	0.0	14.0	1.4
BASP01-66	0.0	0.0	15.0	1.4
<b>Sea Pines - Baynard Cove Outfall - Major Basin 2 BA-SPP-02</b>				
BASP02-1	0.0	0.0	12.0	1.4
BASP02-13	1.0	0.0	17.0	3.2
BASP02-15	1.0	0.0	19.0	0.7
BASP02-16	1.0	0.0	19.0	4.6
BASP02-18	1.0	0.0	18.0	6.9
<b>Sea Pines - Baynard Cove Outfall - Major Basin 3 BA-SPP-03</b>				
BASP03-11	2.0	0.0	15.0	13.1
BASP03-15	2.0	0.0	15.0	6.6
BASP03-16	1.0	0.0	18.0	3.8
BASP03-18	2.0	0.0	18.0	4.4
BASP03-2	-3.0	0.0	14.0	8.7
BASP03-6	1.0	0.0	18.0	2.0

TABLE M-4  
STORAGE AREA INPUT DATA  
HILTON HEAD ISLAND WATERSHED

ICPR Node ID	Minimum Stage (ft)	Minimum Surface Area (ac)	Maximum Stage (ft)	Maximum Surface Area (ac)
<b>Sea Pines - Braddock Cove Outfall - Major Basin 1 BC-SPP-01</b>				
BCSP01-1	2.0	0.0	13.0	9.4
BCSP01-3	2.0	0.0	7.0	2.8
<b>Long Cove Club - Broad Creek - Major Basin 1 BR-LCC-01</b>				
BRLCC01-1	0.0	0.0	11.0	24.4
BRLCC01-10	1.0	0.0	12.0	3.6
BRLCC01-11	1.0	0.0	12.0	14.4
BRLCC01-12	1.0	0.0	13.0	34.1
BRLCC01-13	0.0	0.0	12.0	6.9
BRLCC01-14	0.0	0.0	12.0	2.0
BRLCC01-15	0.0	0.0	14.0	20.2
BRLCC01-2	1.0	0.0	14.0	7.6
BRLCC01-3	1.0	0.0	14.0	5.3
BRLCC01-4	1.0	0.0	14.0	5.5
BRLCC01-5	1.0	0.0	14.0	15.6
BRLCC01-6	1.0	0.0	17.0	6.6
BRLCC01-7	1.0	0.0	16.0	23.3
BRLCC01-8	1.0	0.0	13.0	17.7
BRLCC01-9	1.0	0.0	14.0	5.4
<b>Long Cove Club - Broad Creek - Major Basin 2 BR-LCC-02</b>				
BRLCC02-1	0.0	0.0	14.0	4.0
<b>Point Comfort - Broad Creek - Major Basin 1 BR-PCT-01</b>				
BRPCT01-4	3.0	0.0	13.0	2.3
BRPCT01-5	3.0	0.0	13.0	1.6
BRPCT01-6	3.0	0.0	13.0	1.0
BRPCT01-7	3.0	0.0	13.0	1.6
<b>Point Comfort - Broad Creek - Major Basin 2 BR-PCT-02</b>				
BRPCT02-4	3.0	0.3	13.0	3.2
BRPCT02-7	3.0	0.0	11.0	3.8
<b>Palmetto Dunes - Broad Creek - Major Basin 1 BR-PDP-01</b>				
BRPDP01-1	0.0	0.0	16.0	2.8
BRPDP01-10	0.0	0.6	9.0	2.2
BRPDP01-106	-1.0	0.0	14.0	23.2
BRPDP01-15	0.0	0.0	8.0	3.1
BRPDP01-28	-5.0	0.0	12.0	9.0
BRPDP01-30	-5.0	0.0	12.0	4.8
BRPDP01-32	1.0	0.0	19.0	24.7
BRPDP01-36	0.0	0.0	12.0	13.1

TABLE M-4  
STORAGE AREA INPUT DATA  
HILTON HEAD ISLAND WATERSHED

ICPR Node ID	Minimum Stage (ft)	Minimum Surface Area (ac)	Maximum Stage (ft)	Maximum Surface Area (ac)
BRPDP01-4	0.0	0.0	14.0	45.8
BRPDP01-40	1.0	0.0	20.0	27.4
BRPDP01-42	0.0	0.0	14.0	11.2
BRPDP01-49	0.0	0.0	12.0	18.5
BRPDP01-52	0.0	0.0	14.0	4.7
BRPDP01-59	-5.0	0.0	11.0	3.8
BRPDP01-61	-5.0	0.0	15.0	6.0
BRPDP01-7	0.0	0.0	13.0	5.7
BRPDP01-70	0.0	0.0	14.0	15.3
<b>Port Royal Plantation - Broad Creek - Major Basin 1</b>				
<b>BR-PRP-01</b>				
BRPRP01-15	2.0	0.0	15.0	32.9
BRPRP01-27	2.0	0.0	19.0	60.0
BRPRP01-33	2.0	0.0	11.0	12.3
BRPRP01-34	2.0	0.0	12.0	14.6
BRPRP01-36	5.0	0.0	18.0	6.9
BRPRP01-37	6.0	0.0	20.0	17.1
BRPRP01-44	2.0	0.0	13.0	45.2
BRPRP01-46	2.0	0.0	12.0	8.8
BRPRP01-47	3.0	0.0	13.0	1.9
BRPRP01-62	2.0	0.0	11.0	2.9
BRPRP01-67	3.0	0.0	11.0	2.7
BRPRP01-8	2.0	0.0	20.0	2.5
<b>Wexford Plantation - Broad Creek - Major Basin 1</b>				
<b>BR-WEX-01</b>				
BRWEX01-11	0.0	0.0	12.0	17.1
BRWEX01-35	3.0	0.0	13.0	7.7
BRWEX01-39	3.0	0.0	12.0	25.3
BRWEX01-45	0.0	0.0	12.0	11.5
BRWEX01-53	-2.0	0.0	8.0	1.4
BRWEX01-54	2.0	0.0	12.0	9.4
BRWEX01-55	2.0	0.0	12.0	17.6
BRWEX01-6	0.0	0.0	12.0	3.3
BRWEX01-60	1.0	0.0	12.0	9.8
BRWEX01-61	1.0	0.0	12.0	11.9
BRWEX01-62	1.0	0.0	13.0	5.2
BRWEX01-63	0.0	0.0	13.0	11.0
BRWEX01-64	1.0	0.0	13.0	3.9
BRWEX01-65	3.0	0.0	14.0	5.1
BRWEX01-71	3.0	0.0	14.0	12.0
BRWEX01-76	3.0	0.0	14.0	13.1
BRWEX01-83	3.0	0.0	13.0	0.5
BRWEX01-84	4.0	0.0	13.0	0.8
BRWEX01-86	2.0	0.0	12.0	4.1



TABLE M-4  
STORAGE AREA INPUT DATA  
HILTON HEAD ISLAND WATERSHED

ICPR Node ID	Minimum Stage (ft)	Minimum Surface Area (ac)	Maximum Stage (ft)	Maximum Surface Area (ac)
<b>Wexford Plantation - Broad Creek - Major Basin 2 BR-WEX-02</b>				
BRWEX02-1	2.0	0.0	12.0	7.5
BRWEX02-12	2.0	0.0	12.0	7.5
BRWEX02-6	2.0	0.0	11.0	2.5
<b>Crossings - Broad Creek - Major Basin 1 BR-XNG-01</b>				
BRXNG01-12	2.0	0.0	12.0	1.3
BRXNG01-15	2.0	0.0	15.0	2.5
BRXNG01-3A	2.0	0.0	12.0	6.1
BRXNG01-7	2.0	0.0	12.0	3.8
BRXNG01-8	2.0	0.0	12.0	0.9
<b>Sea Pines - Calibogue Sound - Major Basin 1 CA-SPP-01</b>				
CASP01-1	2.0	0.0	16.0	2.2
CASP01-2	0.0	0.0	17.0	37.4
<b>Sea Pines - Calibogue Sound - Major Basin 1 CA-SPP-01</b>				
CASP02-1	2.0	0.0	17.0	8.7
<b>Port Royal Plantation - Fish Haul Creek - Major Basin 1 FH-PRP-01</b>				
FHPRP01-13	3.0	0.0	17.0	42.0
FHPRP01-14	3.0	0.0	18.0	22.8
FHPRP01-18	6.0	0.1	13.0	62.3
FHPRP01-5	4.0	0.0	18.0	9.6
<b>Sea Pines - Lawton Canal - Major Basin 1 LC-SPP-01</b>				
LCSP01-15	0.0	0.0	16.0	2.4
LCSP01-16	-2.0	0.0	19.0	97.1
LCSP01-22	0.0	0.0	21.0	10.0
LCSP01-25	0.0	0.0	14.0	2.8
LCSP01-26	3.0	0.0	15.0	6.0
LCSP01-28	0.0	0.0	15.0	119.0
LCSP01-30	1.0	0.0	21.0	2.9
LCSP01-31	1.0	0.0	16.0	1.1
LCSP01-36	1.0	0.0	16.0	4.2
LCSP01-39	1.0	0.0	17.0	6.9
LCSP01-41	1.0	0.0	17.0	36.0
LCSP01-5	0.0	0.0	17.0	56.3
LCSP01-51	-1.0	0.0	17.0	11.9
LCSP01-52	0.0	0.0	17.0	29.4
LCSP01-6	0.0	0.0	15.0	8.5
LCSP01-61	-1.0	0.0	15.0	46.8
LCSP01-72	1.0	0.0	7.0	0.3

TABLE M-4  
STORAGE AREA INPUT DATA  
HILTON HEAD ISLAND WATERSHED

ICPR Node ID	Minimum Stage (ft)	Minimum Surface Area (ac)	Maximum Stage (ft)	Maximum Surface Area (ac)
LCSP01-78	0.0	0.0	16.0	21.4
LCSP01-8	0.0	0.0	15.0	22.2
LCSP01-85	0.0	3.0	10.0	8.4
LCSP01-86	0.0	0.0	16.0	19.7
LCSP01-9	0.0	0.0	17.0	33.0
<b>Sea Pines - Point Comfort Creek - Major Basin 1</b>				
<b>PC-SPP-01</b>				
PCSP01-12	3.0	0.0	12.0	5.4
PCSP01-19	1.0	0.0	12.0	8.6
PCSP01-22	3.0	0.0	12.0	1.6
PCSP01-23	2.0	0.0	12.0	1.6
<b>Sea Pines - Point Comfort Creek - Major Basin 2</b>				
<b>PC-SPP-02</b>				
PCSP02-3	1.0	0.0	10.0	8.2
PCSP02-4	1.0	0.0	11.0	10.8
PCSP02-5	1.0	0.4	12.0	1.6
<b>Chaplan Area - Broad Creek Outfall - Major Basin 1</b>				
<b>BR-CHP-01</b>				
BRCHP01-12	3.0	0.0	15.0	2.1
BRCHP01-16	3.0	0.0	15.0	24.4
<b>Indigo Run - Broad Creek Outfall - Major Basin 1</b>				
<b>BR-IRP-01</b>				
BRIRP01-1	0.0	0.0	13.0	3.1
BRIRP01-10	7.0	0.0	16.0	7.5
BRIRP01-11	8.0	0.0	13.0	4.5
BRIRP01-12	7.0	0.0	15.0	25.2
BRIRP01-1A	4.0	0.0	14.0	2.0
BRIRP01-2	6.0	0.0	16.0	1.4
BRIRP01-2A	8.0	0.0	17.0	1.1
BRIRP01-3	7.0	0.0	18.0	71.2
BRIRP01-4	7.0	0.0	21.0	44.7
BRIRP01-5	7.0	0.0	18.0	21.3
BRIRP01-6	6.0	0.0	16.0	16.9
BRIRP01-7	7.0	0.0	17.0	10.1
BRIRP01-8	6.0	0.0	21.0	1.9
BRIRP01-9	7.0	0.0	17.0	5.8
<b>Indigo Run - Broad Creek Outfall - Major Basin 2</b>				
<b>BR-IRP-02</b>				
BRIRP02-1	0.0	0.0	16.0	10.5
BRIRP02-2	4.0	0.0	18.0	63.9
BRIRP02-3	6.0	0.0	16.0	64.1
BRIRP02-4	7.0	0.0	18.0	36.0
BRIRP02-5	6.0	0.0	17.0	2.8
BRIRP02-6	6.0	0.0	19.0	16.9
BRIRP02-7	5.0	0.0	18.0	22.5

TABLE M-4  
STORAGE AREA INPUT DATA  
HILTON HEAD ISLAND WATERSHED

ICPR Node ID	Minimum Stage (ft)	Minimum Surface Area (ac)	Maximum Stage (ft)	Maximum Surface Area (ac)
<b>Airport - Fish Haul Creek Outfall - Major Basin 1</b>				
<b>FH-AIR-01</b>				
FHAIR01-1	5.0	0.0	17.0	20.9
FHAIR01-2	1.0	0.1	8.0	2.5
FHAIR01-3	6.0	0.0	17.0	20.7
FHAIR01-4	3.0	0.0	17.0	23.3
<b>Gum Tree - Jarvis Creek - Major Basin 1</b>				
<b>JV-GUM-01</b>				
JVGUM01-1	0.0	0.1	14.0	52.5
JVGUM01-2	0.0	0.0	18.0	27.7
<b>Hilton Head Plantation - Jarvis Creek Outfall - Major Basin 1</b>				
<b>JV-HHP-01</b>				
JVHHP01-13	0.0	0.3	14.0	20.6
JVHHP01-14	0.0	0.7	10.0	0.7
JVHHP01-15	0.0	0.2	11.0	1.9
JVHHP01-16	5.0	0.0	13.0	2.6
JVHHP01-17	0.0	2.5	19.0	30.1
JVHHP01-18	5.0	0.0	15.0	8.0
JVHHP01-19A	0.0	0.1	17.0	2.2
JVHHP01-21	9.0	0.7	18.0	2.4
JVHHP01-23	10.0	2.5	21.0	7.6
JVHHP01-24	9.0	0.0	21.0	6.6
JVHHP01-25	10.0	1.0	21.0	6.2
JVHHP01-26	9.0	0.0	19.0	7.1
JVHHP01-6	-3.9	0.3	14.0	1.5
JVHHP01-6A	6.0	0.0	17.0	18.4
JVHHP01-7	-1.0	0.3	13.0	2.5
<b>Indigo Run - Jarvis Creek Outfall - Major Basin 1</b>				
<b>JV-IRP-01</b>				
JVIRP01-2	3.0	0.0	20.0	11.9
JVIRP01-3	1.0	0.0	15.0	16.8
JVIRP01-4	3.0	0.0	16.0	30.1
<b>Spanish Wells Plantation - Old House Creek Outfall - Major Basin 1</b>				
<b>OH-SPW-01</b>				
OHSPW01-2	7.0	0.0	14.0	1.2
OHSPW01-2A	7.0	0.0	14.0	1.8
OHSPW01-3	8.0	0.0	14.0	0.3
OHSPW01-3A	8.0	0.0	17.0	0.9
OHSPW01-4	8.0	0.0	20.0	6.5
OHSPW01-5	8.0	0.0	20.0	3.7
OHSPW01-6	8.0	0.0	19.0	5.3

TABLE M-4  
STORAGE AREA INPUT DATA  
HILTON HEAD ISLAND WATERSHED

ICPR Node ID	Minimum Stage (ft)	Minimum Surface Area (ac)	Maximum Stage (ft)	Maximum Surface Area (ac)
<b>Hilton Head Plantation - Park Creek - Major Basin 1</b>				
<b>PA-HHP-01</b>				
PAHHP01-1A	4.0	0.0	15.0	15.5
PAHHP01-2	4.0	0.0	13.0	7.1
PAHHP01-3	4.0	0.6	18.0	4.1
PAHHP01-4	7.0	0.6	20.0	4.1
PAHHP01-5	7.0	1.5	21.0	42.6
PAHHP01-6	9.0	3.0	21.0	37.7
PAHHP01-7	5.0	0.0	18.0	4.9
PAHHP01-8	1.0	5.7	13.0	20.9
<b>Hilton Head Plantation - Port Royal - Major Basin 1</b>				
<b>PR-HHP-01</b>				
PRHHP01-1	1.0	0.0	18.0	28.2
PRHHP01-10	8.0	0.0	18.0	10.9
PRHHP01-11	8.0	0.0	18.0	6.8
PRHHP01-12	8.0	0.0	18.0	4.4
PRHHP01-12A	10.0	0.0	23.0	88.8
PRHHP01-5	7.0	0.0	19.0	8.2
PRHHP01-8	9.0	0.0	16.0	3.6
PRHHP01-9	7.0	0.0	18.0	20.6
<b>Hilton Head Plantation - Port Royal - Major Basin 2</b>				
<b>PR-HHP-02</b>				
PRHHP02-1	10.0	0.0	19.0	11.3
PRHHP02-2	9.0	0.0	18.0	8.5
PRHHP02-3	9.0	0.0	21.0	8.9
PRHHP02-7	8.0	0.5	19.0	3.1
<b>Palmetto Hall - Port Royal Sound - Major Basin 1</b>				
<b>PR-PHP-01</b>				
PRPHP01-10	8.0	0.0	19.0	6.2
PRPHP01-11	9.0	0.0	23.0	14.3
PRPHP01-12	8.0	0.0	20.0	13.9
PRPHP01-13	6.0	0.0	18.0	3.4
PRPHP01-14	8.0	0.0	17.0	3.7
PRPHP01-15	8.0	0.0	19.0	6.2
PRPHP01-15A	8.0	0.0	19.0	15.4
PRPHP01-16	10.0	0.0	21.0	2.5
PRPHP01-17	9.0	0.0	19.0	2.7
PRPHP01-18	9.0	0.0	21.0	16.1
PRPHP01-5	7.0	0.0	15.0	3.4
PRPHP01-6	9.0	0.0	18.0	4.6
PRPHP01-7	9.0	0.0	20.0	8.6
PRPHP01-8	9.0	0.0	17.0	1.3
PRPHP01-9	9.0	0.0	19.0	2.8

TABLE M-4  
 STORAGE AREA INPUT DATA  
 HILTON HEAD ISLAND WATERSHED

ICPR Node ID	Minimum Stage (ft)	Minimum Surface Area (ac)	Maximum Stage (ft)	Maximum Surface Area (ac)
<b>Gum Tree - Skull Creek Outfall - Major Basin 1</b>				
<b>SK-GUM-01</b>				
SKGUM01-7	1.0	0.0	17.0	10.7
<b>Hilton Head Plantation - Skull Creek - Major Basin 1</b>				
<b>SK-HHP-01</b>				
SKHHP01-2	5.0	0.0	15.0	4.8
SKHHP01-3	5.0	0.0	13.0	4.7
SKHHP01-4	6.0	0.0	20.0	9.3
SKHHP01-5	7.0	0.0	17.0	9.9
<b>Hilton Head Plantation - Skull Creek - Major Basin 2</b>				
<b>SK-HHP-02</b>				
SKHHP02-1A	3.0	0.0	17.0	5.9
SKHHP02-2	5.0	0.0	17.0	3.2
SKHHP02-3	7.0	0.0	18.0	2.4
SKHHP02-4	7.0	0.0	19.0	3.8

TABLE M-5N  
SUBBASIN PEAK FLOW VALUES FOR 2-YEAR DESIGN STORM  
HILTON HEAD ISLAND WATERSHED

ICPR Subbasin ID	Tributary Area (acres)	Peak Flow (cfs)				
		Undeveloped	Existing Uncontrolled	Existing Controlled	Future Uncontrolled	Future Controlled
Chaplan Area - Broad Creek Outfall - Major Basin 1						
BR-CHP-01						
BR-CHP-01-001	39.5	30.1	47.5	47.5	55.5	47.5
BR-CHP-01-002	35.2	8.5	37.9	37.9	56.6	37.9
BR-CHP-01-003	10.3	15.5	22.6	22.6	24.4	22.6
BR-CHP-01-004	178.2	91.0	185.1	185.1	185.1	185.1
Indigo Run - Broad Creek - Major Basin 1						
BR-IRP-01						
BR-IRP-01-001	48.0	32.3	43.9	33.3	54.4	33.3
BR-IRP-01-002	56.1	17.7	40.1	17.8	40.1	17.8
BR-IRP-01-003	265.0	34.4	107.5	39.6	107.5	39.6
BR-IRP-01-004	65.9	57.1	75.1	57.1	75.1	57.1
BR-IRP-01-005	124.3	50.3	92.6	69.1	129.2	69.1
BR-IRP-01-006	60.9	44.4	65.8	45.8	69.5	45.8
BR-IRP-01-007	21.2	26.3	31.9	26.7	35	26.7
BR-IRP-01-008	109.6	32.2	83	82.9	83	82.9
BR-IRP-01-009	28.6	1.6	31.6	31.6	31.6	31.6
BR-IRP-01-010	155.0	25.9	86.9	74.4	104.6	74.4
Indigo Run - Broad Creek - Major Basin 2						
BR-IRP-02						
BR-IRP-02-001	25.2	1.7	19.3	3.8	19.3	3.8
BR-IRP-02-002	144.0	69.6	89.5	70.4	94.8	70.4
BR-IRP-02-003	44.2	14.0	34	14.0	34	14.0
BR-IRP-02-004	81.6	42.3	57.4	42.3	57.4	42.3
BR-IRP-02-005	102.7	27.8	53.8	44.3	60.6	44.3
BR-IRP-02-006	115.0	57.2	77.4	58.1	82	58.1
BR-IRP-02-007	166.3	46.7	109.2	59.6	109.2	59.6
Airport - Fish Haul Creek - Major Basin 1						
FH-AIR-01						
FH-AIR-01-001	92.7	19.2	43.9	38.1	60	38.1
FH-AIR-01-002	85.2	43.3	70.9	70.9	128.3	70.9
FH-AIR-01-003	58.3	1.6	42.2	42.2	50.3	42.2
FH-AIR-01-004	216.7	10.0	118	76.5	157.7	76.5
Gum Tree - Jarvis Creek - Major Basin 1						
JV-GUM-01						
JV-GUM-01-001	222.1	77.8	137.5	137.5	154.6	137.5
Hilton Head Plantation - Jarvis Creek - Major Basin 1						
JV-HHP-01						
JV-HHP-01-001	170.2	27.8	93.1	91.0	99.9	91.0
JV-HHP-01-002	19.7	5.8	22.5	22.5	25.3	22.5
JV-HHP-01-003	128.9	67.9	102.3	98.2	108.1	98.2
JV-HHP-01-004	102.5	40.7	101.1	58.4	119.2	58.4
JV-HHP-01-005	151.6	115.3	144.7	129.7	162	129.7
JV-HHP-01-006	94.0	45.7	88.1	48.0	88.1	48.0
JV-HHP-01-007	101.6	52.2	74.1	52.2	74.1	52.2
JV-HHP-01-008	72.4	44.3	76.3	44.3	76.3	44.3
JV-HHP-01-009	99.9	47.4	68.8	47.4	68.8	47.4
JV-HHP-01-010	27.5	2.4	14	4.9	14.9	4.9
JV-HHP-01-011	112.0	37.5	110.5	90.3	122.9	90.3
Indigo Run - Jarvis Creek - Major Basin 1						
JV-IRP-01						
JV-IRP-01-001	35.4	15.5	41.3	40.1	44.4	40.1
JV-IRP-01-002	99.1	10.8	31.7	12.7	31.7	12.7
JV-IRP-01-003	143.0	5.2	37.8	11.9	37.8	11.9

TABLE M-5N  
SUBBASIN PEAK FLOW VALUES FOR 2-YEAR DESIGN STORM  
HILTON HEAD ISLAND WATERSHED

ICPR Subbasin ID	Tributary Area (acres)	Peak Flow (cfs)				
		Undeveloped	Existing Uncontrolled	Existing Controlled	Future Uncontrolled	Future Controlled
Spanish Wells Plantation - Old House Creek - Major Basin 1						
OH-SPW-01						
OH-SPW-01-001	37.1	3.3	15.4	6.6	15.4	6.6
OH-SPW-01-002	67.6	12.2	28.1	12.7	28.1	12.7
OH-SPW-01-003	32.2	1.9	10.9	3.3	10.9	3.3
Hilton Head Plantation - Park Creek - Major Basin 1						
PA-HHP-01						
PA-HHP-01-001	219.8	110.0	178.4	110.0	178.4	110.0
PA-HHP-01-002	86.8	45.1	77.7	45.1	77.7	45.1
PA-HHP-01-003	124.5	44.3	102.2	44.3	102.2	44.3
PA-HHP-01-004	87.8	51.9	94.7	51.9	94.7	51.9
PA-HHP-01-005	187.9	147.3	219.9	147.3	219.9	147.3
PA-HHP-01-006	132.6	79.0	118.6	79.0	118.6	79.0
Hilton Head Plantation - Port Royal Sound - Major Basin 1						
PR-HHP-01						
PR-HHP-01-001	94.2	23.8	69.6	23.8	69.6	23.8
PR-HHP-01-002	81.1	19.2	62.8	19.2	62.8	19.2
PR-HHP-01-003	357.4	117.2	221.2	117.2	221.2	117.2
PR-HHP-01-004	153.8	99.3	125.8	99.3	125.8	99.3
Hilton Head Plantation - Port Royal Sound - Major Basin 2						
PR-HHP-02						
PR-HHP-02-001	22.6	8.4	28.9	8.7	28.9	8.7
PR-HHP-02-002	63.5	51.1	67.6	51.1	67.6	51.1
PR-HHP-02-003	91.5	28.9	70	28.9	70	28.9
Palmetto Hall - Port Royal Sound - Major Basin 1						
PR-PHP-01						
PR-PHP-01-001	94.0	14.1	35	33.5	55.6	33.5
PR-PHP-01-002	110.7	29.7	59	37.4	62.7	37.4
PR-PHP-01-003	79.9	53.7	80.9	53.7	80.9	53.7
PR-PHP-01-004	158.2	82.8	124.8	83.1	124.8	83.1
PR-PHP-01-005	101.9	45.6	66	47.6	70.2	47.6
PR-PHP-01-006	158.6	52.6	107.4	52.6	107.4	52.6
PR-PHP-01-007	80.3	30.8	52.3	30.8	52.3	30.8
PR-PHP-01-008	101.5	29.7	58.5	41.4	65.8	41.4
Gum Tree - Skull Creek - Major Basin 1						
SK-GUM-01						
SK-GUM-01-001	79.7	45.9	66	66.0	73.8	66.0
SK-GUM-01-002	93.0	56.3	96.3	93.6	96.3	93.6
SK-GUM-01-003	93.2	59.2	71.1	70.9	89.2	70.9
Hilton Head Plantation - Skull Creek - Major Basin 1						
SK-HHP-01						
SK-HHP-01-001	52.5	16.0	32.9	18.1	34.9	18.1
SK-HHP-01-002	11.8	5.7	11	5.7	11	5.7
SK-HHP-01-003	54.7	9.5	37.3	9.5	37.3	9.5
SK-HHP-01-004	109.8	81.7	113.7	81.7	113.7	81.7
Hilton Head Plantation - Skull Creek - Major Basin 2						
SK-HHP-02						
SK-HHP-02-001	41.4	21.2	42.4	21.2	42.4	21.2
SK-HHP-02-002	38.1	17.5	30.6	17.5	30.6	17.5
SK-HHP-02-003	28.1	9.4	23.4	9.4	23.4	9.4

TABLE M-5  
SUBBASIN PEAK FLOW VALUES FOR 2-YEAR DESIGN STORM  
HILTON HEAD ISLAND WATERSHED

ICPR Subbasin ID	Tributary Area (acres)	Peak Flow (cfs)				
		Undeveloped	Existing Uncontrolled	Existing Controlled	Future Uncontrolled	Future Controlled
Sea Pines - Baynard Cove Outfall - Major Basin 1						
BA-SPP-01						
BA-SPP-01-001	51.50	5.2	34.9	9.3	34.9	9.3
BA-SPP-01-002	97.90	0.4	37.8	7.2	37.8	7.2
BA-SPP-01-003	42.40	6.6	33.3	11.4	33.3	11.4
BA-SPP-01-004	34.20	5.7	36.9	11.7	36.9	11.7
BA-SPP-01-005	13.90	3.6	13.4	5.1	13.4	5.1
BA-SPP-01-006	47.60	0.2	12.7	1.6	12.7	1.6
BA-SPP-01-007	57.20	0.9	10.9	1.4	10.9	1.4
BA-SPP-01-008	82.70	0.5	15.9	2.0	15.9	2.0
BA-SPP-01-009	170.20	2.3	56.1	8.6	56.1	8.6
BA-SPP-01-010	91.10	2.9	12.5	3.5	12.5	3.5
BA-SPP-01-011	9.20	2.5	7.7	2.7	7.7	2.7
Sea Pines - Baynard Cove Outfall - Major Basin 2						
BA-SPP-02						
BA-SPP-02-001	31.20	5.3	16.2	6.7	16.2	6.7
BA-SPP-02-002	47.20	1.7	23.6	4.7	23.6	4.7
BA-SPP-02-003	45.80	5.4	30.7	9.5	30.7	9.5
BA-SPP-02-004	11.40	1.1	9.5	2.5	9.5	2.5
BA-SPP-02-005	27.70	0.0	9.5	0.9	13.1	0.9
Sea Pines - Baynard Cove Outfall - Major Basin 3						
BA-SPP-03						
BA-SPP-03-001	40.70	7.3	32.5	10.8	32.5	10.8
BA-SPP-03-002	62.10	3.4	37.9	8.2	37.9	8.2
BA-SPP-03-003	61.00	1.2	13.8	2.1	13.8	2.1
BA-SPP-03-004	13.00	1.7	15.9	3.6	15.9	3.6
Sea Pines - Braddock Cove Outfall - Major Basin 1						
BC-SPP-01						
BC-SPP-01-001	47.40	3.0	43.1	9.9	43.1	9.9
BC-SPP-01-002	29.40	2.2	34.5	6.6	34.5	6.6
Long Cove Club - Broad Creek - Major Basin 1						
BR-LCC-01						
BR-LCC-01-001	32.8	11.1	30.7	14.0	30.7	14.0
BR-LCC-01-002	101.9	32.2	85.9	40.1	85.9	40.1
BR-LCC-01-003	68.4	9.8	57.6	34.4	71.9	34.4
BR-LCC-01-004	114.3	10.0	57.3	42.1	57.3	42.1
BR-LCC-01-005	58.6	27.6	59.6	31.4	59.6	31.4
BR-LCC-01-006	180.2	40.2	103.1	48.1	109.1	48.1
BR-LCC-01-007	31.3	12.6	31.2	14.9	31.2	14.9
BR-LCC-01-008	30.3	1.3	10.8	3.1	10.8	3.1



TABLE M-5  
SUBBASIN PEAK FLOW VALUES FOR 2-YEAR DESIGN STORM  
HILTON HEAD ISLAND WATERSHED

ICPR Subbasin ID	Tributary Area (acres)	Peak Flow (cfs)				
		Undeveloped	Existing Uncontrolled	Existing Controlled	Future Uncontrolled	Future Controlled
Long Cove Club - Broad Creek - Major Basin 2 BR-LCC-02						
BR-LCC-02-001	8.6	6.4	10.5	6.6	10.5	6.6
Point Comfort - Broad Creek - Major Basin 1 BR-PCT-01						
BR-PCT-01-001	5.0	2.9	9.8	3.0	9.8	3.0
BR-PCT-01-002	4.7	5.3	10.3	5.3	10.3	5.3
BR-PCT-01-003	8.5	4.5	15.2	4.5	15.6	4.5
BR-PCT-01-004	2.9	2.1	5.4	2.1	6.2	2.1
BR-PCT-01-005	27.4	9.3	27.5	14.2	34.1	14.2
BR-PCT-01-006	21.3	10.2	32.2	30.1	32.2	30.1
Point Comfort - Broad Creek - Major Basin 2 BR-PCT-02						
BR-PCT-02-001	12.6	8.7	19.2	19.2	20.2	19.2
BR-PCT-02-002	18.5	6.9	19.6	19.6	19.6	19.6
Palmetto Dunes - Broad Creek - Major Basin 1 BR-PDP-01						
BR-PDP-01-001	36.6	2.3	42.6	17.2	44.7	17.2
BR-PDP-01-002	171.1	62.7	122.2	68.9	122.2	68.9
BR-PDP-01-003	21.3	19.6	28.6	20.5	28.6	20.5
BR-PDP-01-004	146.6	24.1	71.5	32.2	71.5	32.2
BR-PDP-01-005	117.8	2.1	58.5	9.5	58.5	9.5
BR-PDP-01-006	97.9	16.5	55.3	20.2	55.3	20.2
BR-PDP-01-007	73.4	0.4	28.7	4.3	28.7	4.3
BR-PDP-01-008	12.0	0.5	8.5	0.6	8.5	0.6
BR-PDP-01-009	273.2	7.8	55.3	8.9	55.3	8.9
BR-PDP-01-010	179.9	9.3	47.1	12.1	47.1	12.1
BR-PDP-01-011	138.5	13.4	61.7	15.0	61.7	15.0
BR-PDP-01-012	162.9	1.1	37.2	4.7	37.2	4.7
BR-PDP-01-013	55.6	6.0	51.6	9.5	51.6	9.5
BR-PDP-01-014	122.7	2.1	45.4	2.4	45.4	2.4
Port Royal Plantation - Broad Creek - Major Basin 1 BR-PRP-01						
BR-PRP-01-001	34.7	34.3	40.4	40.4	44.8	40.4
BR-PRP-01-002	89.6	22.7	70	70.0	74.3	70.0
BR-PRP-01-003	24.6	2.3	12.6	2.5	12.6	2.5
BR-PRP-01-004	68.5	2.6	28.4	2.7	28.4	2.7
BR-PRP-01-005	198.1	6.0	48.4	6.1	48.4	6.1
BR-PRP-01-006	24.0	0.2	13.8	0.2	13.8	0.2
BR-PRP-01-007	106.0	0.6	19.1	0.6	19.1	0.6
BR-PRP-01-008	104.3	6.9	48.6	6.9	48.6	6.9
BR-PRP-01-009	9.4	0.0	0.6	0.0	0.6	0.0
BR-PRP-01-010	162.2	0.9	39.4	0.9	39.4	0.9
BR-PRP-01-011	88.0	0.1	16.6	0.1	16.6	0.1
BR-PRP-01-012	19.9	0.2	1.7	0.2	1.7	0.2
BR-PRP-01-013	17.0	3.3	26.8	3.4	26.8	3.4
BR-PRP-01-014	20.8	4.1	22.7	4.1	22.7	4.1

TABLE M-5  
SUBBASIN PEAK FLOW VALUES FOR 2-YEAR DESIGN STORM  
HILTON HEAD ISLAND WATERSHED

ICPR Subbasin ID	Tributary Area (acres)	Peak Flow (cfs)				
		Undeveloped	Existing Uncontrolled	Existing Controlled	Future Uncontrolled	Future Controlled
Wexford Plantation - Broad Creek - Major Basin 1						
BR-WEX-01						
BR-WEX-01-001	73.7	26.1	58.2	26.9	58.2	26.9
BR-WEX-01-002	32.5	4.6	24.3	4.6	24.3	4.6
BR-WEX-01-003	129.1	21.3	86.2	47.9	86.2	47.9
BR-WEX-01-004	100.1	8.1	60.7	41.1	73.6	41.1
BR-WEX-01-005	184.2	16.0	91.6	24.5	104	24.5
BR-WEX-01-006	36.2	24.5	38.9	25.2	38.9	25.2
BR-WEX-01-006A	63.9	38.0	92.5	46.0	92.5	46.0
BR-WEX-01-007	74.1	10.3	42	14.7	42	14.7
BR-WEX-01-007A	114.6	9.2	52.3	14.5	52.3	14.5
BR-WEX-01-007B	112.9	1.4	32.2	17.0	32.2	17.0
BR-WEX-01-008	142.1	4.1	54.6	15.9	58.2	15.9
BR-WEX-01-009	119.8	0.4	39	22.5	41.8	22.5
BR-WEX-01-009A	14.8	0.3	4.1	0.6	4.1	0.6
BR-WEX-01-010	89.9	0.2	41.2	30.1	43.9	30.1
BR-WEX-01-011	102.5	0.2	25.8	11.3	25.8	11.3
Wexford Plantation - Broad Creek - Major Basin 2						
BR-WEX-02						
BR-WEX-02-001	44.6	27.2	52.9	28.7	52.9	28.7
BR-WEX-02-002	14.0	3.1	4.1	4.1	4.1	4.1
BR-WEX-02-003	49.4	10.5	31.3	13.1	31.3	13.1
BR-WEX-02-004	26.8	10.8	28.4	28.3	28.4	28.3
Crossings - Broad Creek - Major Basin 1						
BR-XNG-01						
BR-XNG-01-001	44.3	61.5	88.6	88.4	88.6	88.4
BR-XNG-01-002	87.3	30.6	63	63.0	80.1	63.0
BR-XNG-01-003	29.5	7.9	27.4	27.4	38.1	27.4
Sea Pines - Calibogue Sound - Major Basin 1						
CA-SPP-01						
CA-SPP-01-001	83.8	18.1	52.8	20.6	56	20.6
Sea Pines - Calibogue Sound - Major Basin 2						
CA-SPP-02-001						
CA-SPP-02-001	40.9	15.8	35.9	18.1	35.9	18.1
Port Royal Plantation - Fish Haul Creek - Major Basin 1						
FH-PRP-01						
FH-PRP-01-001	137.3	43.6	104.7	54.7	104.7	54.7
FH-PRP-01-002	168.8	22.4	71.7	37.4	92.9	37.4
FH-PRP-01-003	21.2	16.2	28.6	16.2	31.5	16.2
FH-PRP-01-004	55.8	36.2	55.8	36.4	58.3	36.4
FH-PRP-01-005	196.9	14.7	87.5	39.2	94	39.2
FH-PRP-01-006	107.0	39.8	119.3	119.3	127.2	119.3

TABLE M-5  
SUBBASIN PEAK FLOW VALUES FOR 2-YEAR DESIGN STORM  
HILTON HEAD ISLAND WATERSHED

ICPR Subbasin ID	Tributary Area (acres)	Peak Flow (cfs)				
		Undeveloped	Existing Uncontrolled	Existing Controlled	Future Uncontrolled	Future Controlled
Sea Pines - Lawton Canal - Major Basin 1 LC-SPP-01						
LC-SPP-01-001	255.4	34.9	76.1	52.0	76.1	52.0
LC-SPP-01-002	98.4	22.8	32.4	30.3	32.4	30.3
LC-SPP-01-003	113.9	2.3	27.2	5.3	27.2	5.3
LC-SPP-01-004	52.3	5.9	25.6	9.6	25.6	9.6
LC-SPP-01-005	48.6	2.9	22.5	6.5	22.5	6.5
LC-SPP-01-006	278.5	51.4	124	89.6	124	89.6
LC-SPP-01-007	35.6	7.3	27.8	27.8	31.1	27.8
LC-SPP-01-008	226.1	181.1	192	192.0	200.6	192.0
LC-SPP-01-009	494.1	26.2	198	184.3	224.2	184.3
LC-SPP-01-010	90.3	4.6	71.5	71.5	75.4	71.5
LC-SPP-01-011	84.5	40.0	42.9	42.9	42.9	42.9
Sea Pines - Point Comfort Creek - Major Basin 1 PC-SPP-01						
PC-SPP-01-001	50.6	12.3	30.5	14.2	30.5	14.2
PC-SPP-01-002	115.7	22.8	109.7	76.9	115.2	76.9
PC-SPP-01-003	28.2	9.8	22.9	11.8	22.9	11.8
PC-SPP-01-004	51.2	18.7	77.6	75.9	77.6	75.9
PC-SPP-01-005	51.2	30.4	71.6	60.2	71.6	60.2
Sea Pines - Point Comfort Creek - Major Basin 2 PC-SPP-02						
PC-SPP-02-001	3.3	1.5	3.5	1.7	3.5	1.7
PC-SPP-02-002	52.5	19.8	48.8	34.0	48.8	34.0
PC-SPP-02-003	28.8	17.6	33.5	20.4	33.5	20.4
PC-SPP-02-004	43.5	39.3	63.4	52.2	63.4	52.2

TABLE M-6N  
SUBBASIN PEAK FLOW VALUES FOR 10-YEAR DESIGN STORM  
HILTON HEAD ISLAND WATERSHED

ICPR Subbasin ID	Tributary Area (acres)	Peak Flow (cfs)				
		Undeveloped	Existing Uncontrolled	Existing Controlled	Future Uncontrolled	Future Controlled
Chaplan Area - Broad Creek Outfall - Major Basin 1						
BR-CHP-01						
BR-CHP-01-001	39.5	61.5	86.1	86.1	96.2	86.1
BR-CHP-01-002	35.2	24.8	71.5	71.5	95.6	71.5
BR-CHP-01-003	10.3	28.2	36.8	36.8	39.2	36.8
BR-CHP-01-004	178.2	187.8	319.4	319.4	319.4	319.4
Indigo Run - Broad Creek - Major Basin 1						
BR-IRP-01						
BR-IRP-01-001	48.0	64.3	81.1	65.8	95.1	65.8
BR-IRP-01-002	56.1	43.9	79.9	44.1	79.9	44.1
BR-IRP-01-003	265.0	91.9	214.1	100.5	214.1	100.5
BR-IRP-01-004	65.9	101.4	125.3	101.4	125.3	101.4
BR-IRP-01-005	124.3	104.9	166.4	132.3	215.6	132.3
BR-IRP-01-006	60.9	84.5	113.3	86.4	118.4	86.4
BR-IRP-01-007	21.2	48.7	56	49.2	59.9	49.2
BR-IRP-01-008	109.6	73.2	149.5	149.3	149.5	149.3
BR-IRP-01-009	28.6	8.2	59.3	59.3	59.3	59.3
BR-IRP-01-010	155.0	74.8	178.6	157.4	205.1	157.4
Indigo Run - Broad Creek - Major Basin 2						
BR-IRP-02						
BR-IRP-02-001	25.2	8.4	40.7	12.2	40.7	12.2
BR-IRP-02-002	144.0	140.3	169.8	141.5	177.9	141.5
BR-IRP-02-003	44.2	35.1	66.7	35.1	66.7	35.1
BR-IRP-02-004	81.6	86.7	109	86.7	109	86.7
BR-IRP-02-005	102.7	64.7	105.2	90.4	115	90.4
BR-IRP-02-006	115.0	112.8	141.7	114.1	147.6	114.1
BR-IRP-02-007	166.3	108.0	204.5	128.0	204.5	128.0
Airport - Fish Haul Creek - Major Basin 1						
FH-AIR-01						
FH-AIR-01-001	92.7	51.6	93.2	83.5	117	83.5
FH-AIR-01-002	85.2	92.9	134.7	134.7	210.9	134.7
FH-AIR-01-003	58.3	7.8	78.8	78.8	90.5	78.8
FH-AIR-01-004	216.7	38.7	228.6	155.6	283.6	155.6
Gum Tree - Jarvis Creek - Major Basin 1						
JV-GUM-01						
JV-GUM-01-001	222.1	171.0	261.7	261.7	285.5	261.7
Hilton Head Plantation - Jarvis Creek - Major Basin 1						
JV-HHP-01						
JV-HHP-01-001	170.2	75.5	181.9	178.5	192.7	178.5
JV-HHP-01-002	19.7	13.7	37.8	37.8	41.7	37.8
JV-HHP-01-003	128.9	131.6	179.2	173.5	187.1	173.5
JV-HHP-01-004	102.5	89.3	177.1	115.1	201	115.1
JV-HHP-01-005	151.6	213.8	254	233.5	276.1	233.5
JV-HHP-01-006	94.0	94.3	154.4	97.6	154.4	97.6
JV-HHP-01-007	101.6	102.9	133.9	102.9	133.9	102.9
JV-HHP-01-008	72.4	91.2	136.9	91.2	136.9	91.2
JV-HHP-01-009	99.9	97.6	128.9	97.6	128.9	97.6
JV-HHP-01-010	27.5	9.6	31.2	14.3	32.9	14.3
JV-HHP-01-011	112.0	88.6	197.6	167.4	215.2	167.4

TABLE M-6N  
SUBBASIN PEAK FLOW VALUES FOR 10-YEAR DESIGN STORM  
HILTON HEAD ISLAND WATERSHED

ICPR Subbasin ID	Tributary Area (acres)	Peak Flow (cfs)				
		Undeveloped	Existing Uncontrolled	Existing Controlled	Future Uncontrolled	Future Controlled
Indigo Run - Jarvis Creek - Major Basin 1						
JV-IRP-01						
JV-IRP-01-001	35.4	36.1	74	72.3	78.3	72.3
JV-IRP-01-002	99.1	31.2	68.7	34.7	68.7	34.7
JV-IRP-01-003	143.0	21.8	88.2	35.5	88.2	35.5
Spanish Wells Plantation - Old House Creek - Major Basin 1						
OH-SPW-01						
OH-SPW-01-001	37.1	14.0	38.4	20.8	38.4	20.8
OH-SPW-01-002	67.6	36.6	65.2	37.5	65.2	37.5
OH-SPW-01-003	32.2	9.6	29.2	12.6	29.2	12.6
Hilton Head Plantation - Park Creek - Major Basin 1						
PA-HHP-01						
PA-HHP-01-001	219.8	225.3	325.3	225.3	325.3	225.3
PA-HHP-01-002	86.8	94.2	141.6	94.2	141.6	94.2
PA-HHP-01-003	124.5	103.3	190.7	103.3	190.7	103.3
PA-HHP-01-004	87.8	108.6	169.7	108.6	169.7	108.6
PA-HHP-01-005	187.9	282.2	384.1	282.2	384.1	282.2
PA-HHP-01-006	132.6	152.6	207.9	152.6	207.9	152.6
Hilton Head Plantation - Port Royal Sound - Major Basin 1						
PR-HHP-01						
PR-HHP-01-001	94.2	64.1	138.6	64.1	138.6	64.1
PR-HHP-01-002	81.1	51.1	121.2	51.1	121.2	51.1
PR-HHP-01-003	357.4	257.6	416	257.6	416	257.6
PR-HHP-01-004	153.8	181.1	217.5	181.1	217.5	181.1
Hilton Head Plantation - Port Royal Sound - Major Basin 2						
PR-HHP-02						
PR-HHP-02-001	22.6	21.8	52.9	22.3	52.9	22.3
PR-HHP-02-002	63.5	97.1	119.8	97.1	119.8	97.1
PR-HHP-02-003	91.5	71.6	136.7	71.6	136.7	71.6
Palmetto Hall - Port Royal Sound - Major Basin 1						
PR-PHP-01						
PR-PHP-01-001	94.0	42.1	79.6	76.8	112.2	76.8
PR-PHP-01-002	110.7	72.3	119.8	84.7	124.1	84.7
PR-PHP-01-003	79.9	107.0	145	107.0	145	107.0
PR-PHP-01-004	158.2	162.8	221.5	163.2	221.5	163.2
PR-PHP-01-005	101.9	95.5	125.4	98.5	131.5	98.5
PR-PHP-01-006	158.6	122.2	206.8	122.2	206.8	122.2
PR-PHP-01-007	80.3	71.6	105.8	71.6	105.8	71.6
PR-PHP-01-008	101.5	70.4	116.3	89.1	127	89.1
Gum Tree - Skull Creek - Major Basin 1						
SK-GUM-01						
SK-GUM-01-001	79.7	92.4	122.2	122.2	132.6	122.2
SK-GUM-01-002	93.0	113.6	170.6	166.7	170.6	166.7
SK-GUM-01-003	93.2	112.5	129.7	129.4	154.3	129.4
Hilton Head Plantation - Skull Creek - Major Basin 1						
SK-HHP-01						
SK-HHP-01-001	52.5	37.1	63.3	40.4	66.3	40.4
SK-HHP-01-002	11.8	13.7	21.7	13.7	21.7	13.7
SK-HHP-01-003	54.7	28.5	75.2	28.5	75.2	28.5
SK-HHP-01-004	109.8	150.8	193.9	150.8	193.9	150.8
Hilton Head Plantation - Skull Creek - Major Basin 2						
SK-HHP-02						
SK-HHP-02-001	41.4	49.1	81.1	49.1	81.1	49.1
SK-HHP-02-002	38.1	42.8	63.2	42.8	63.2	42.8
SK-HHP-02-003	28.1	24.4	46.8	24.4	46.8	24.4

TABLE M-6S  
SUBBASIN PEAK FLOW VALUES FOR 10-YEAR DESIGN STORM  
HILTON HEAD ISLAND WATERSHED

ICPR Subbasin ID	Tributary Area (acres)	Peak Flow (cfs)				
		Undeveloped	Existing Uncontrolled	Existing Controlled	Future Uncontrolled	Future Controlled
Sea Pines - Baynard Cove Outfall - Major Basin 1						
BA-SPP-01						
BA-SPP-01-001	51.50	19.8	72.3	27.1	72.3	27.1
BA-SPP-01-002	97.90	4.9	86.1	19.6	86.1	19.6
BA-SPP-01-003	42.40	22.3	68.1	30.6	68.1	30.6
BA-SPP-01-004	34.20	18.7	68.8	28.4	68.8	28.4
BA-SPP-01-005	13.90	11.1	27	13.5	27	13.5
BA-SPP-01-006	47.60	2.5	33.1	5.9	33.1	5.9
BA-SPP-01-007	57.20	4.7	26.2	5.8	26.2	5.8
BA-SPP-01-008	82.70	4.4	39.8	7.8	39.8	7.8
BA-SPP-01-009	170.20	14.7	127.5	27.8	127.5	27.8
BA-SPP-01-010	91.10	12.4	34.5	13.8	34.5	13.8
BA-SPP-01-011	9.20	6.7	14.9	7.0	14.9	7.0
Sea Pines - Baynard Cove Outfall - Major Basin 2						
BA-SPP-02						
BA-SPP-02-001	31.20	17.3	37	19.8	37	19.8
BA-SPP-02-002	47.20	8.8	52	14.8	52	14.8
BA-SPP-02-003	45.80	19.9	64.7	27.2	64.7	27.2
BA-SPP-02-004	11.40	4.4	19	6.8	19	6.8
BA-SPP-02-005	27.70	0.9	24.9	3.2	31	3.2
Sea Pines - Baynard Cove Outfall - Major Basin 3						
BA-SPP-03						
BA-SPP-03-001	40.70	22.0	63.2	27.7	63.2	27.7
BA-SPP-03-002	62.10	17.0	82.9	26.1	82.9	26.1
BA-SPP-03-003	61.00	7.8	39.1	10.1	39.1	10.1
BA-SPP-03-004	13.00	6.5	29.8	9.6	29.8	9.6
Sea Pines - Braddock Cove Outfall - Major Basin 1						
BC-SPP-01						
BC-SPP-01-001	47.40	14.4	84.8	26.5	84.8	26.5
BC-SPP-01-002	29.40	11.2	66.5	18.8	66.5	18.8
Long Cove Club - Broad Creek - Major Basin 1						
BR-LCC-01						
BR-LCC-01-001	32.8	28.1	58.7	32.7	58.7	32.7
BR-LCC-01-002	101.9	77.8	160.3	90.0	160.3	90.0
BR-LCC-01-003	68.4	30.2	107.6	70.0	126.9	70.0
BR-LCC-01-004	114.3	33.0	116.2	89.4	116.2	89.4
BR-LCC-01-005	58.6	64.1	112.3	69.8	112.3	69.8
BR-LCC-01-006	180.2	106.7	211	119.8	220	119.8
BR-LCC-01-007	31.3	30.3	59	33.9	59	33.9
BR-LCC-01-008	30.3	7.8	28.9	11.7	28.9	11.7
Long Cove Club - Broad Creek - Major Basin 2						
BR-LCC-02						
BR-LCC-02-001	8.6	14.9	21	15.1	21	15.1
Point Comfort - Broad Creek - Major Basin 1						
BR-PCT-01						
BR-PCT-01-001	5.0	7.5	17.5	7.6	17.5	7.6
BR-PCT-01-002	4.7	10.8	17.3	10.8	17.3	10.8
BR-PCT-01-003	8.5	11.9	27.3	11.9	27.8	11.9
BR-PCT-01-004	2.9	5.0	9.7	5.0	10.6	5.0
BR-PCT-01-005	27.4	24.4	52.7	32.0	61.6	32.0
BR-PCT-01-006	21.3	25.1	57.3	54.2	57.3	54.2
Point Comfort - Broad Creek - Major Basin 2						
BR-PCT-02						
BR-PCT-02-001	12.6	19.7	34.6	34.6	35.8	34.6
BR-PCT-02-002	18.5	17.1	36.4	36.4	36.4	36.4

TABLE M-6S  
SUBBASIN PEAK FLOW VALUES FOR 10-YEAR DESIGN STORM  
HILTON HEAD ISLAND WATERSHED

ICPR Subbasin ID	Tributary Area (acres)	Peak Flow (cfs)				
		Undeveloped	Existing Uncontrolled	Existing Controlled	Future Uncontrolled	Future Controlled
Palmetto Dunes - Broad Creek - Major Basin 1 BR-PDP-01						
BR-PDP-01-001	36.6	10.9	78.2	35.9	80.5	35.9
BR-PDP-01-002	171.1	129.2	214.8	138.2	214.8	138.2
BR-PDP-01-003	21.3	36.6	48.6	37.8	48.6	37.8
BR-PDP-01-004	146.6	60.3	136.6	73.4	136.6	73.4
BR-PDP-01-005	117.8	12.7	124.3	27.3	124.3	27.3
BR-PDP-01-006	97.9	44.8	108.6	50.9	108.6	50.9
BR-PDP-01-007	73.4	4.1	64.2	12.4	64.2	12.4
BR-PDP-01-008	12.0	3.7	19.8	3.9	19.8	3.9
BR-PDP-01-009	273.2	36.0	139.5	38.5	139.5	38.5
BR-PDP-01-010	179.9	32.8	105.2	38.1	105.2	38.1
BR-PDP-01-011	138.5	41.1	124.4	43.9	124.4	43.9
BR-PDP-01-012	162.9	9.8	93.9	18.1	93.9	18.1
BR-PDP-01-013	55.6	21.8	97.8	27.6	97.8	27.6
BR-PDP-01-014	122.7	14.6	112.4	15.2	112.4	15.2
Port Royal Plantation - Broad Creek - Major Basin 1 BR-PRP-01						
BR-PRP-01-001	34.7	64.0	72	72.0	78	72.0
BR-PRP-01-002	89.6	60.9	136.2	136.2	142.5	136.2
BR-PRP-01-003	24.6	9.9	30.1	10.2	30.1	10.2
BR-PRP-01-004	68.5	12.6	63.8	12.8	63.8	12.8
BR-PRP-01-005	198.1	28.7	120.1	28.9	120.1	28.9
BR-PRP-01-006	24.0	2.2	31.9	2.2	31.9	2.2
BR-PRP-01-007	106.0	6.4	55.3	6.4	55.3	6.4
BR-PRP-01-008	104.3	24.4	98.4	24.4	98.4	24.4
BR-PRP-01-009	9.4	0.3	2.6	0.3	2.6	0.3
BR-PRP-01-010	162.2	9.4	101.9	9.5	101.9	9.5
BR-PRP-01-011	88.0	2.8	46.9	2.8	46.9	2.8
BR-PRP-01-012	19.9	1.7	7.4	1.7	7.4	1.7
BR-PRP-01-013	17.0	10.8	46.4	10.9	46.4	10.9
BR-PRP-01-014	20.8	12.5	41.8	12.5	41.8	12.5
Wexford Plantation - Broad Creek - Major Basin 1 BR-WEX-01						
BR-WEX-01-001	73.7	63.2	113.8	64.5	113.8	64.5
BR-WEX-01-002	32.5	17.4	52.3	17.4	52.3	17.4
BR-WEX-01-003	129.1	61.4	169.2	105.6	169.2	105.6
BR-WEX-01-004	100.1	31.5	126	90.7	145.9	90.7
BR-WEX-01-005	184.2	53.1	184.4	67.9	203.6	67.9
BR-WEX-01-006	36.2	50.1	70.3	51.1	70.3	51.1
BR-WEX-01-006A	63.9	80.3	155.1	91.3	155.1	91.3
BR-WEX-01-007	74.1	31.8	86.2	39.4	86.2	39.4
BR-WEX-01-007A	114.6	33.6	112.4	43.3	112.4	43.3
BR-WEX-01-007B	112.9	8.7	73.5	41.5	73.5	41.5
BR-WEX-01-008	142.1	21.2	124.4	45.4	130.6	45.4
BR-WEX-01-009	119.8	5.4	94.8	56.5	99.8	56.5
BR-WEX-01-009A	14.8	2.3	12.4	3.1	12.4	3.1
BR-WEX-01-010	89.9	3.1	87	64.3	92.1	64.3
BR-WEX-01-011	102.5	3.9	67.3	31.3	67.3	31.3
Wexford Plantation - Broad Creek - Major Basin 2 BR-WEX-02						
BR-WEX-02-001	44.6	61.0	98	63.1	98	63.1
BR-WEX-02-002	14.0	9.3	11.2	11.2	11.2	11.2
BR-WEX-02-003	49.4	30.6	66	34.9	66	34.9
BR-WEX-02-004	26.8	25.7	52.1	51.9	52.1	51.9
Crossings - Broad Creek - Major Basin 1 BR-XNG-01						
BR-XNG-01-001	44.3	106.7	141.1	140.8	141.1	140.8
BR-XNG-01-002	87.3	71.3	121.7	121.7	145.5	121.7
BR-XNG-01-003	29.5	21.1	51.9	51.9	66.3	51.9

TABLE M-6S  
SUBBASIN PEAK FLOW VALUES FOR 10-YEAR DESIGN STORM  
HILTON HEAD ISLAND WATERSHED

ICPR Subbasin ID	Tributary Area (acres)	Peak Flow (cfs)				
		Undeveloped	Existing Uncontrolled	Existing Controlled	Future Uncontrolled	Future Controlled
Sea Pines - Calibogue Sound - Major Basin 1 CA-SPP-01						
CA-SPP-01-001	83.8	48.3	105	52.3	109.8	52.3
Sea Pines - Calibogue Sound - Major Basin 2 CA-SPP-02-001						
CA-SPP-02-001	40.9	40.1	71.6	43.7	71.6	43.7
Port Royal Plantation - Fish Haul Creek - Major Basin 1 FH-PRP-01						
FH-PRP-01-001	137.3	106.3	201.2	123.6	201.2	123.6
FH-PRP-01-002	168.8	66.2	151.7	92.3	185	92.3
FH-PRP-01-003	21.2	34.8	52.1	34.8	56	34.8
FH-PRP-01-004	55.8	79.7	108.3	80.0	111.8	80.0
FH-PRP-01-005	196.9	52.9	186.6	97.9	196.1	97.9
FH-PRP-01-006	107.0	90.7	205.3	205.3	216.9	205.3
Sea Pines - Lawton Canal - Major Basin 1 LC-SPP-01						
LC-SPP-01-001	255.4	88.7	159	117.9	159	117.9
LC-SPP-01-002	98.4	54.1	70	66.5	70	66.5
LC-SPP-01-003	113.9	11.7	64.2	18.0	64.2	18.0
LC-SPP-01-004	52.3	19.3	54.6	26.0	54.6	26.0
LC-SPP-01-005	48.6	12.2	49.4	19.0	49.4	19.0
LC-SPP-01-006	278.5	126.2	244.4	188.3	244.4	188.3
LC-SPP-01-007	35.6	20.0	52.7	52.7	57.2	52.7
LC-SPP-01-008	226.1	291.0	305.3	305.3	316.4	305.3
LC-SPP-01-009	494.1	92.4	399.3	374.9	441.2	374.9
LC-SPP-01-010	90.3	20.1	135.3	135.3	141.3	135.3
LC-SPP-01-011	84.5	85.0	89.4	89.4	89.4	89.4
Sea Pines - Point Comfort Creek - Major Basin 1 PC-SPP-01						
PC-SPP-01-001	50.6	33.8	64.7	37.0	64.7	37.0
PC-SPP-01-002	115.7	63.0	196.6	146.2	203.5	146.2
PC-SPP-01-003	28.2	25.5	46.7	28.7	46.7	28.7
PC-SPP-01-004	51.2	44.7	127.6	125.2	127.6	125.2
PC-SPP-01-005	51.2	64.4	121.7	105.9	121.7	105.9
Sea Pines - Point Comfort Creek - Major Basin 2 PC-SPP-02						
PC-SPP-02-001	3.3	4.2	7.5	4.5	7.5	4.5
PC-SPP-02-002	52.5	47.3	91.4	69.0	91.4	69.0
PC-SPP-02-003	28.8	37.2	59.8	41.2	59.8	41.2
PC-SPP-02-004	43.5	73.6	105.2	90.6	105.2	90.6



TABLE M-7N  
SUBBASIN PEAK FLOW VALUES FOR 25-YEAR DESIGN STORM  
HILTON HEAD ISLAND WATERSHED

ICPR Subbasin ID	Tributary Area (acres)	Peak Flow (cfs)				
		Undeveloped	Existing Uncontrolled	Existing Controlled	Future Uncontrolled	Future Controlled
Chaplan Area - Broad Creek Outfall - Major Basin 1						
BR-CHP-01						
BR-CHP-01-001	39.5	74.7	101.6	101.6	112.5	101.6
BR-CHP-01-002	35.2	32.4	85.1	85.1	111.2	85.1
BR-CHP-01-003	10.3	33.3	42.5	42.5	45	42.5
BR-CHP-01-004	178.2	228.3	372.9	372.9	372.9	372.9
Indigo Run - Broad Creek - Major Basin 1						
BR-IRP-01						
BR-IRP-01-001	48.0	77.5	96.1	79.2	111.3	79.2
BR-IRP-01-002	56.1	55.7	96.3	55.9	96.3	55.9
BR-IRP-01-003	265.0	118.5	258.4	128.4	258.4	128.4
BR-IRP-01-004	65.9	119.2	145.2	119.2	145.2	119.2
BR-IRP-01-005	124.3	127.9	196.1	158.3	249.9	158.3
BR-IRP-01-006	60.9	100.8	132.2	102.8	137.8	102.8
BR-IRP-01-007	21.2	57.7	65.6	58.2	69.9	58.2
BR-IRP-01-008	109.6	91.1	176.3	176.1	176.3	176.1
BR-IRP-01-009	28.6	12.0	70.5	70.5	70.5	70.5
BR-IRP-01-010	155.0	98.0	216.9	192.6	246.4	192.6
Indigo Run - Broad Creek - Major Basin 2						
BR-IRP-02						
BR-IRP-02-001	25.2	12.1	49.6	16.5	49.6	16.5
BR-IRP-02-002	144.0	169.7	202.5	171.1	212	171.1
BR-IRP-02-003	44.2	44.5	80.1	44.5	80.1	44.5
BR-IRP-02-004	81.6	105.3	130.2	105.3	130.2	105.3
BR-IRP-02-005	102.7	80.8	126.4	109.8	137.2	109.8
BR-IRP-02-006	115.0	135.7	167.7	137.1	174	137.1
BR-IRP-02-007	166.3	135.2	243.3	157.6	243.3	157.6
Airport - Fish Haul Creek - Major Basin 1						
FH-AIR-01						
FH-AIR-01-001	92.7	66.4	114	102.9	140.5	102.9
FH-AIR-01-002	85.2	114.3	160.7	160.7	243.6	160.7
FH-AIR-01-003	58.3	11.4	93.7	93.7	106.6	93.7
FH-AIR-01-004	216.7	54.1	274.1	189.5	334.3	189.5
Gum Tree - Jarvis Creek - Major Basin 1						
JV-GUM-01						
JV-GUM-01-001	222.1	210.9	312.4	312.4	338.5	312.4
Hilton Head Plantation - Jarvis Creek - Major Basin 1						
JV-HHP-01						
JV-HHP-01-001	170.2	97.6	218.4	214.6	230.7	214.6
JV-HHP-01-002	19.7	17.1	43.9	43.9	48.1	43.9
JV-HHP-01-003	128.9	157.8	209.9	203.7	218.6	203.7
JV-HHP-01-004	102.5	110.0	207.4	138.6	233.5	138.6
JV-HHP-01-005	151.6	253.7	297.7	275.3	321.5	275.3
JV-HHP-01-006	94.0	114.6	180.9	118.3	180.9	118.3
JV-HHP-01-007	101.6	123.8	158	123.8	158	123.8
JV-HHP-01-008	72.4	110.8	161.2	110.8	161.2	110.8
JV-HHP-01-009	99.9	118.6	153.4	118.6	153.4	118.6
JV-HHP-01-010	27.5	13.3	38.6	18.8	40.6	18.8
JV-HHP-01-011	112.0	111.4	232.6	199.0	252	199.0

TABLE M-7N  
SUBBASIN PEAK FLOW VALUES FOR 25-YEAR DESIGN STORM  
HILTON HEAD ISLAND WATERSHED

ICPR Subbasin ID	Tributary Area (acres)	Peak Flow (cfs)				
		Undeveloped	Existing Uncontrolled	Existing Controlled	Future Uncontrolled	Future Controlled
Indigo Run - Jarvis Creek - Major Basin 1						
JV-IRP-01						
JV-IRP-01-001	35.4	45.1	87.1	85.2	91.8	85.2
JV-IRP-01-002	99.1	40.9	84.4	44.9	84.4	44.9
JV-IRP-01-003	143.0	31.0	110.3	47.3	110.3	47.3
Spanish Wells Plantation - Old House Creek - Major Basin 1						
OH-SPW-01						
OH-SPW-01-001	37.1	19.5	48.6	27.6	48.6	27.6
OH-SPW-01-002	67.6	48.2	81.3	49.3	81.3	49.3
OH-SPW-01-003	32.2	14.0	37.5	17.6	37.5	17.6
Hilton Head Plantation - Park Creek - Major Basin 1						
PA-HHP-01						
PA-HHP-01-001	219.8	274.1	384.6	274.1	384.6	274.1
PA-HHP-01-002	86.8	114.8	167.4	114.8	167.4	114.8
PA-HHP-01-003	124.5	129.1	226.6	129.1	226.6	129.1
PA-HHP-01-004	87.8	132.4	199.7	132.4	199.7	132.4
PA-HHP-01-005	187.9	338.1	449.7	338.1	449.7	338.1
PA-HHP-01-006	132.6	182.8	243.6	182.8	243.6	182.8
Hilton Head Plantation - Port Royal Sound - Major Basin 1						
PR-HHP-01						
PR-HHP-01-001	94.2	82.4	167.1	82.4	167.1	82.4
PR-HHP-01-002	81.1	65.9	145.1	65.9	145.1	65.9
PR-HHP-01-003	357.4	318.3	495.4	318.3	495.4	318.3
PR-HHP-01-004	153.8	214.4	254.2	214.4	254.2	214.4
Hilton Head Plantation - Port Royal Sound - Major Basin 2						
PR-HHP-02						
PR-HHP-02-001	22.6	27.9	62.6	28.5	62.6	28.5
PR-HHP-02-002	63.5	115.9	140.7	115.9	140.7	115.9
PR-HHP-02-003	91.5	90.9	164.1	90.9	164.1	90.9
Palmetto Hall - Port Royal Sound - Major Basin 1						
PR-PHP-01						
PR-PHP-01-001	94.0	55.2	99.2	96.0	135.7	96.0
PR-PHP-01-002	110.7	91.1	145.1	105.2	149.9	105.2
PR-PHP-01-003	79.9	129.1	170.7	129.1	170.7	129.1
PR-PHP-01-004	158.2	195.9	260.3	196.3	260.3	196.3
PR-PHP-01-005	101.9	116.6	149.6	119.9	156.4	119.9
PR-PHP-01-006	158.6	152.6	247.9	152.6	247.9	152.6
PR-PHP-01-007	80.3	89.6	128.1	89.6	128.1	89.6
PR-PHP-01-008	101.5	88.2	140.2	109.4	152.3	109.4
Gum Tree - Skull Creek - Major Basin 1						
SK-GUM-01						
SK-GUM-01-001	79.7	112.0	145	145.0	156.3	145.0
SK-GUM-01-002	93.0	137.6	200.4	196.1	200.4	196.1
SK-GUM-01-003	93.2	134.5	153.3	153.0	180.2	153.0
Hilton Head Plantation - Skull Creek - Major Basin 1						
SK-HHP-01						
SK-HHP-01-001	52.5	46.3	76	50.0	79.1	50.0
SK-HHP-01-002	11.8	17.2	26.1	17.2	26.1	17.2
SK-HHP-01-003	54.7	37.5	91	37.5	91	37.5
SK-HHP-01-004	109.8	178.7	225.8	178.7	225.8	178.7
Hilton Head Plantation - Skull Creek - Major Basin 2						
SK-HHP-02						
SK-HHP-02-001	41.4	61.4	96.9	61.4	96.9	61.4
SK-HHP-02-002	38.1	53.9	76.8	53.9	76.8	53.9
SK-HHP-02-003	28.1	31.2	56.5	31.2	56.5	31.2

TABLE M-7S  
SUBBASIN PEAK FLOW VALUES FOR 25-YEAR DESIGN STORM  
HILTON HEAD ISLAND WATERSHED

ICPR Subbasin ID	Tributary Area (acres)	Peak Flow (cfs)				
		Undeveloped	Existing Uncontrolled	Existing Controlled	Future Uncontrolled	Future Controlled
Sea Pines - Baynard Cove Outfall - Major Basin 1						
BA-SPP-01						
BA-SPP-01-001	51.50	27.2	88	35.6	88	35.6
BA-SPP-01-002	97.90	8.3	107.3	26.3	107.3	26.3
BA-SPP-01-003	42.40	30.0	82.7	39.5	82.7	39.5
BA-SPP-01-004	34.20	24.9	81.7	35.8	81.7	35.8
BA-SPP-01-005	13.90	14.6	32.7	17.4	32.7	17.4
BA-SPP-01-006	47.60	4.3	42.3	8.5	42.3	8.5
BA-SPP-01-007	57.20	6.9	33	8.3	33	8.3
BA-SPP-01-008	82.70	6.9	50.7	11.1	50.7	11.1
BA-SPP-01-009	170.20	22.6	159	38.5	159	38.5
BA-SPP-01-010	91.10	17.8	44.8	19.5	44.8	19.5
BA-SPP-01-011	9.20	8.6	17.9	8.9	17.9	8.9
Sea Pines - Baynard Cove Outfall - Major Basin 2						
BA-SPP-02						
BA-SPP-02-001	31.20	23.1	46	26.0	46	26.0
BA-SPP-02-002	47.20	13.0	64.2	20.1	64.2	20.1
BA-SPP-02-003	45.80	27.0	79	35.5	79	35.5
BA-SPP-02-004	11.40	6.1	22.9	8.8	22.9	8.8
BA-SPP-02-005	27.70	1.6	31.9	4.5	39	4.5
Sea Pines - Baynard Cove Outfall - Major Basin 3						
BA-SPP-02						
BA-SPP-03-001	40.70	29.0	75.9	35.5	75.9	35.5
BA-SPP-03-002	62.10	24.6	102	35.3	102	35.3
BA-SPP-03-003	61.00	12.1	50.8	15.0	50.8	15.0
BA-SPP-03-004	13.00	9.0	35.4	12.5	35.4	12.5
Sea Pines - Braddock Cove Outfall - Major Basin 1						
BC-SPP-01						
BC-SPP-01-001	47.40	20.6	102	34.6	102	34.6
BC-SPP-01-002	29.40	16.2	79.6	24.9	79.6	24.9
Long Cove Club - Broad Creek - Major Basin 1						
BR-LCC-01						
BR-LCC-01-001	32.8	35.9	70.1	41.0	70.1	41.0
BR-LCC-01-002	101.9	98.3	190.7	111.9	190.7	111.9
BR-LCC-01-003	68.4	40.1	128	85.3	148.9	85.3
BR-LCC-01-004	114.3	44.4	140.8	109.8	140.8	109.8
BR-LCC-01-005	58.6	80.2	133.7	86.5	133.7	86.5
BR-LCC-01-006	180.2	137.7	256	152.5	266.5	152.5
BR-LCC-01-007	31.3	38.2	70.4	42.2	70.4	42.2
BR-LCC-01-008	30.3	11.7	37	16.4	37	16.4
Long Cove Club - Broad Creek - Major Basin 2						
BR-LCC-02						
BR-LCC-02-001	8.6	18.6	25.3	18.8	25.3	18.8
Point Comfort - Broad Creek - Major Basin 1						
BR-PCT-01						
BR-PCT-01-001	5.0	9.6	20.5	9.7	20.5	9.7
BR-PCT-01-002	4.7	13.1	20.1	13.1	20.1	13.1
BR-PCT-01-003	8.5	15.3	32.2	15.3	32.7	15.3
BR-PCT-01-004	2.9	6.3	11.4	6.4	12.4	6.4
BR-PCT-01-005	27.4	31.2	63	39.7	72.7	39.7
BR-PCT-01-006	21.3	31.7	67.3	63.9	67.3	63.9

TABLE M-7S  
SUBBASIN PEAK FLOW VALUES FOR 25-YEAR DESIGN STORM  
HILTON HEAD ISLAND WATERSHED

ICPR Subbasin ID	Tributary Area (acres)	Peak Flow (cfs)				
		Undeveloped	Existing Uncontrolled	Existing Controlled	Future Uncontrolled	Future Controlled
Point Comfort - Broad Creek - Major Basin 2 BR-PCT-02						
BR-PCT-02-001	12.6	24.4	40.7	40.7	42	40.7
BR-PCT-02-002	18.5	21.7	43.2	43.2	43.2	43.2
Palmetto Dunes - Broad Creek - Major Basin 1 BR-PDP-01						
BR-PDP-01-001	36.6	15.6	92.6	44.1	94.9	44.1
BR-PDP-01-002	171.1	157.1	251.8	167.0	251.8	167.0
BR-PDP-01-003	21.3	43.4	56.6	44.7	56.6	44.7
BR-PDP-01-004	146.6	76.7	163.3	91.6	163.3	91.6
BR-PDP-01-005	117.8	19.5	152.1	36.9	152.1	36.9
BR-PDP-01-006	97.9	57.8	130.7	64.7	130.7	64.7
BR-PDP-01-007	73.4	6.8	79.7	16.8	79.7	16.8
BR-PDP-01-008	12.0	5.6	24.7	5.9	24.7	5.9
BR-PDP-01-009	273.2	52.1	177.3	55.1	177.3	55.1
BR-PDP-01-010	179.9	44.9	130.5	51.2	130.5	51.2
BR-PDP-01-011	138.5	54.5	150.6	57.8	150.6	57.8
BR-PDP-01-012	162.9	15.7	119.7	26.0	119.7	26.0
BR-PDP-01-013	55.6	29.8	116.6	36.4	116.6	36.4
BR-PDP-01-014	122.7	23.3	142.6	24.0	142.6	24.0
Port Royal Plantation - Broad Creek - Major Basin 1 BR-PRP-01						
BR-PRP-01-001	34.7	76.0	84.7	84.7	91.3	84.7
BR-PRP-01-002	89.6	78.4	163.4	163.4	170.4	163.4
BR-PRP-01-003	24.6	13.9	37.8	14.3	37.8	14.3
BR-PRP-01-004	68.5	18.3	79.1	18.5	79.1	18.5
BR-PRP-01-005	198.1	41.8	152.3	42.1	152.3	42.1
BR-PRP-01-006	24.0	3.8	39.7	3.8	39.7	3.8
BR-PRP-01-007	106.0	10.6	72.2	10.6	72.2	10.6
BR-PRP-01-008	104.3	33.3	119.3	33.3	119.3	33.3
BR-PRP-01-009	9.4	0.5	3.7	0.5	3.7	0.5
BR-PRP-01-010	162.2	15.5	130.4	15.6	130.4	15.6
BR-PRP-01-011	88.0	4.9	60.9	4.9	60.9	4.9
BR-PRP-01-012	19.9	2.9	10.4	2.9	10.4	2.9
BR-PRP-01-013	17.0	14.4	54.2	14.5	54.2	14.5
BR-PRP-01-014	20.8	16.4	49.5	16.4	49.5	16.4
Wexford Plantation - Broad Creek - Major Basin 1 BR-WEX-01						
BR-WEX-01-001	73.7	79.5	136.6	81.0	136.6	81.0
BR-WEX-01-002	32.5	23.7	64.1	23.7	64.1	23.7
BR-WEX-01-003	129.1	80.6	203.4	131.0	203.4	131.0
BR-WEX-01-004	100.1	43.6	153.7	112.6	175.8	112.6
BR-WEX-01-005	184.2	71.4	223	88.5	244.6	88.5
BR-WEX-01-006	36.2	60.8	83	61.9	83	61.9
BR-WEX-01-006A	63.9	98.2	180.1	110.3	180.1	110.3
BR-WEX-01-007	74.1	42.0	104.6	50.7	104.6	50.7
BR-WEX-01-007A	114.6	46.1	137.9	57.4	137.9	57.4
BR-WEX-01-007B	112.9	13.3	91.4	52.8	91.4	52.8
BR-WEX-01-008	142.1	31.5	154.6	60.4	161.8	60.4
BR-WEX-01-009	119.8	9.2	119.4	72.2	125.2	72.2
BR-WEX-01-009A	14.8	3.8	16.4	4.7	16.4	4.7
BR-WEX-01-010	89.9	5.4	106.7	79.4	112.4	79.4
BR-WEX-01-011	102.5	6.8	86.3	41.2	86.3	41.2
Wexford Plantation - Broad Creek - Major Basin 2 BR-WEX-02						
BR-WEX-02-001	44.6	75.4	116.2	77.7	116.2	77.7
BR-WEX-02-002	14.0	12.3	14.5	14.5	14.5	14.5
BR-WEX-02-003	49.4	40.1	80.7	45.1	80.7	45.1
BR-WEX-02-004	26.8	32.2	61.7	61.5	61.7	61.5

TABLE M-7S  
SUBBASIN PEAK FLOW VALUES FOR 25-YEAR DESIGN STORM  
HILTON HEAD ISLAND WATERSHED

ICPR Subbasin ID	Tributary Area (acres)	Peak Flow (cfs)				
		Undeveloped	Existing Uncontrolled	Existing Controlled	Future Uncontrolled	Future Controlled
Crossings - Broad Creek - Major Basin 1 BR-XNG-01						
BR-XNG-01-001	44.3	124.7	162	161.7	162	161.7
BR-XNG-01-002	87.3	89.1	145.7	145.7	171.8	145.7
BR-XNG-01-003	29.5	27.1	61.9	61.9	77.6	61.9
Sea Pines - Calibogue Sound - Major Basin 1 CA-SPP-01						
CA-SPP-01-001	83.8	62.0	126.8	66.6	132	66.6
Sea Pines - Calibogue Sound - Major Basin 2 CA-SPP-02-001						
CA-SPP-02-001	40.9	51.0	86.5	55.0	86.5	55.0
Port Royal Plantation - Fish Haul Creek - Major Basin 1 FH-PRP-01						
FH-PRP-01-001	137.3	134.1	240.6	153.5	240.6	153.5
FH-PRP-01-002	168.8	87.1	185.5	117.1	223.1	117.1
FH-PRP-01-003	21.2	42.6	61.6	42.6	65.8	42.6
FH-PRP-01-004	55.8	98.2	129.9	98.5	133.6	98.5
FH-PRP-01-005	196.9	72.6	228.6	125.2	239.1	125.2
FH-PRP-01-006	107.0	113.0	239.6	239.6	252.5	239.6
Sea Pines - Lawton Canal - Major Basin 1 LC-SPP-01						
LC-SPP-01-001	255.4	113.2	194	146.8	194	146.8
LC-SPP-01-002	98.4	67.9	86	82.0	86	82.0
LC-SPP-01-003	113.9	17.2	80.5	24.7	80.5	24.7
LC-SPP-01-004	52.3	25.9	66.8	33.6	66.8	33.6
LC-SPP-01-005	48.6	17.1	61	25.1	61	25.1
LC-SPP-01-006	278.5	159.5	294.2	230.3	294.2	230.3
LC-SPP-01-007	35.6	25.8	62.9	62.9	67.9	62.9
LC-SPP-01-008	226.1	334.6	350.4	350.4	362.6	350.4
LC-SPP-01-009	494.1	126.4	484.2	455.7	530.9	455.7
LC-SPP-01-010	90.3	28.5	161.4	161.4	168	161.4
LC-SPP-01-011	84.5	104.0	109	109.0	109	109.0
Sea Pines - Point Comfort Creek - Major Basin 1 PC-SPP-01						
PC-SPP-01-001	50.6	43.7	79.2	47.4	79.2	47.4
PC-SPP-01-002	115.7	0.5	231.5	80.8	238.8	80.8
PC-SPP-01-003	28.2	0.4	56.6	138.4	56.6	138.4
PC-SPP-01-004	51.2	0.9	147.5	195.8	147.5	195.8
PC-SPP-01-005	51.2	1.1	141.6	169.2	141.6	169.2
Sea Pines - Point Comfort Creek - Major Basin 2 PC-SPP-02						
PC-SPP-02-001	3.3	5.5	9.2	5.9	9.2	5.9
PC-SPP-02-002	52.5	59.4	108.7	83.6	108.7	83.6
PC-SPP-02-003	28.8	45.4	70.3	49.8	70.3	49.8
PC-SPP-02-004	43.5	87.6	121.8	106.0	121.8	106.0

TABLE M-8N  
SUBBASIN PEAK FLOW VALUES FOR 100-YEAR DESIGN STORM  
HILTON HEAD ISLAND WATERSHED

ICPR Subbasin ID	Tributary Area (acres)	Peak Flow (cfs)				
		Undeveloped	Existing Uncontrolled	Existing Controlled	Future Uncontrolled	Future Controlled
Chaplan Area - Broad Creek Outfall - Major Basin 1						
BR-CHP-01						
BR-CHP-01-001	39.5	101.2	132.5	132.5	144.7	144.7
BR-CHP-01-002	35.2	48.9	112.5	112.5	142	142.0
BR-CHP-01-003	10.3	43.5	53.8	53.8	56.7	56.7
BR-CHP-01-004	178.2	310.6	479.3	479.3	479.3	479.3
Indigo Run - Broad Creek - Major Basin 1						
BR-IRP-01						
BR-IRP-01-001	48.0	104.3	126.1	126.1	143.5	143.5
BR-IRP-01-002	56.1	80.5	129.5	129.5	129.5	129.5
BR-IRP-01-003	265.0	175.7	348.1	348.1	348.1	348.1
BR-IRP-01-004	65.9	154.6	184.7	184.7	184.7	184.7
BR-IRP-01-005	124.3	174.7	255.4	255.4	318.2	318.2
BR-IRP-01-006	60.9	133.7	169.8	169.8	176.5	176.5
BR-IRP-01-007	21.2	75.8	84.8	84.8	89.6	89.6
BR-IRP-01-008	109.6	128.6	229.8	229.8	229.8	229.8
BR-IRP-01-009	28.6	20.7	93	93.0	93	93.0
BR-IRP-01-010	155.0	147.9	294.7	294.7	329.8	329.8
Indigo Run - Broad Creek - Major Basin 2						
BR-IRP-02						
BR-IRP-02-001	25.2	20.5	67.9	67.9	67.9	67.9
BR-IRP-02-002	144.0	229.3	268.9	268.9	280.3	280.3
BR-IRP-02-003	44.2	64.1	107.1	107.1	107.1	107.1
BR-IRP-02-004	81.6	143.0	172.8	172.8	172.8	172.8
BR-IRP-02-005	102.7	114.3	169.1	169.1	182	182.0
BR-IRP-02-006	115.0	182.1	219.7	219.7	226.8	226.8
BR-IRP-02-007	166.3	191.8	321	321.0	321	321.0
Airport - Fish Haul Creek - Major Basin 1						
FH-AIR-01						
FH-AIR-01-001	92.7	97.8	156.6	156.6	187.8	187.8
FH-AIR-01-002	85.2	158.1	212.8	212.8	308.7	308.7
FH-AIR-01-003	58.3	20.2	123.7	123.7	138.8	138.8
FH-AIR-01-004	216.7	89.0	365.7	365.7	435.4	435.4
Gum Tree - Jarvis Creek - Major Basin 1						
JV-GUM-01						
JV-GUM-01-001	222.1	292.9	414.4	414.4	444.6	444.6
Hilton Head Plantation - Jarvis Creek - Major Basin 1						
JV-HHP-01						
JV-HHP-01-001	170.2	144.6	292.2	292.2	307.3	307.3
JV-HHP-01-002	19.7	24.4	56	56.0	61.1	61.1
JV-HHP-01-003	128.9	210.6	271.2	271.2	281.3	281.3
JV-HHP-01-004	102.5	152.6	267.8	267.8	298.1	298.1
JV-HHP-01-005	151.6	333.5	384.7	384.7	411.8	411.8
JV-HHP-01-006	94.0	155.9	233.7	233.7	233.7	233.7
JV-HHP-01-007	101.6	166.1	206.2	206.2	206.2	206.2
JV-HHP-01-008	72.4	150.5	209.7	209.7	209.7	209.7
JV-HHP-01-009	99.9	161.4	202.4	202.4	202.4	202.4
JV-HHP-01-010	27.5	21.6	53.8	53.8	56.3	56.3
JV-HHP-01-011	112.0	159.0	302.3	302.3	325.2	325.2

TABLE M-8N  
SUBBASIN PEAK FLOW VALUES FOR 100-YEAR DESIGN STORM  
HILTON HEAD ISLAND WATERSHED

ICPR Subbasin ID	Tributary Area (acres)	Peak Flow (cfs)				
		Undeveloped	Existing Uncontrolled	Existing Controlled	Future Uncontrolled	Future Controlled
Indigo Run - Jarvis Creek - Major Basin 1						
JV-IRP-01						
JV-IRP-01-001	35.4	63.8	113.2	113.2	118.7	118.7
JV-IRP-01-002	99.1	61.9	116.9	116.9	116.9	116.9
JV-IRP-01-003	143.0	52.2	156.1	156.1	156.1	156.1
Spanish Wells Plantation - Old House Creek - Major Basin 1						
OH-SPW-01						
OH-SPW-01-001	37.1	32.5	69.9	69.9	69.9	69.9
OH-SPW-01-002	67.6	73.2	115	115.0	115	115.0
OH-SPW-01-003	32.2	24.2	55.3	55.3	55.3	55.3
Hilton Head Plantation - Park Creek - Major Basin 1						
PA-HHP-01						
PA-HHP-01-001	219.8	373.4	502.9	502.9	502.9	502.9
PA-HHP-01-002	86.8	156.8	218.8	218.8	218.8	218.8
PA-HHP-01-003	124.5	182.4	298.6	298.6	298.6	298.6
PA-HHP-01-004	87.8	180.9	259.6	259.6	259.6	259.6
PA-HHP-01-005	187.9	450.5	580.1	580.1	580.1	580.1
PA-HHP-01-006	132.6	243.6	314.6	314.6	314.6	314.6
Hilton Head Plantation - Port Royal Sound - Major Basin 1						
PR-HHP-01						
PR-HHP-01-001	94.2	121.1	224.6	224.6	224.6	224.6
PR-HHP-01-002	81.1	97.2	193.2	193.2	193.2	193.2
PR-HHP-01-003	357.4	443.5	654.5	654.5	654.5	654.5
PR-HHP-01-004	153.8	281.2	327.1	327.1	327.1	327.1
Hilton Head Plantation - Port Royal Sound - Major Basin 2						
PR-HHP-02						
PR-HHP-02-001	22.6	40.9	81.9	81.9	81.9	81.9
PR-HHP-02-002	63.5	153.6	182.3	182.3	182.3	182.3
PR-HHP-02-003	91.5	131.3	219.2	219.2	219.2	219.2
Palmetto Hall - Port Royal Sound - Major Basin 1						
PR-PHP-01						
PR-PHP-01-001	94.0	84.2	139.8	139.8	183.2	183.2
PR-PHP-01-002	110.7	130.5	196.5	196.5	202.1	202.1
PR-PHP-01-003	79.9	173.6	221.9	221.9	221.9	221.9
PR-PHP-01-004	158.2	262.7	337.6	337.6	337.6	337.6
PR-PHP-01-005	101.9	159.5	198.3	198.3	206.4	206.4
PR-PHP-01-006	158.6	215.5	330.7	330.7	330.7	330.7
PR-PHP-01-007	80.3	126.9	173.1	173.1	173.1	173.1
PR-PHP-01-008	101.5	125.6	188.4	188.4	203.1	203.1
Gum Tree - Skull Creek - Major Basin 1						
SK-GUM-01						
SK-GUM-01-001	79.7	151.6	190.5	190.5	203.4	203.4
SK-GUM-01-002	93.0	186.2	259.7	259.7	259.7	259.7
SK-GUM-01-003	93.2	178.7	200.5	200.5	231.9	231.9
Hilton Head Plantation - Skull Creek - Major Basin 1						
SK-HHP-01						
SK-HHP-01-001	52.5	65.5	101.4	101.4	104.8	104.8
SK-HHP-01-002	11.8	24.5	35	35.0	35	35.0
SK-HHP-01-003	54.7	57.3	122.8	122.8	122.8	122.8
SK-HHP-01-004	109.8	234.6	289.3	289.3	289.3	289.3
Hilton Head Plantation - Skull Creek - Major Basin 2						
SK-HHP-02						
SK-HHP-02-001	41.4	86.8	128.7	128.7	128.7	128.7
SK-HHP-02-002	38.1	77.1	104.5	104.5	104.5	104.5
SK-HHP-02-003	28.1	45.5	76	76.0	76	76.0

TABLE M-8S  
SUBBASIN PEAK FLOW VALUES FOR 100-YEAR DESIGN STORM  
HILTON HEAD ISLAND WATERSHED

ICPR Subbasin ID	Tributary Area (acres)	Peak Flow (cfs)				
		Undeveloped	Existing Uncontrolled	Existing Controlled	Future Uncontrolled	Future Controlled
Sea Pines - Baynard Cove Outfall - Major Basin 1						
BA-SPP-01						
BA-SPP-01-001	51.50	43.9	119.9	119.9	119.9	119.9
BA-SPP-01-002	97.90	17.5	151.1	151.1	151.1	151.1
BA-SPP-01-003	42.40	47.0	112.1	112.1	112.1	112.1
BA-SPP-01-004	34.20	38.3	107.5	107.5	107.5	107.5
BA-SPP-01-005	13.90	22.2	44.1	44.1	44.1	44.1
BA-SPP-01-006	47.60	9.2	61.7	61.7	61.7	61.7
BA-SPP-01-007	57.20	12.3	47.2	47.2	47.2	47.2
BA-SPP-01-008	82.70	13.5	73.8	73.8	73.8	73.8
BA-SPP-01-009	170.20	42.6	224.1	224.1	224.1	224.1
BA-SPP-01-010	91.10	30.2	67	67.0	67	67.0
BA-SPP-01-011	9.20	12.7	24	24.0	24	24.0
Sea Pines - Baynard Cove Outfall - Major Basin 2						
BA-SPP-02						
BA-SPP-02-001	31.20	35.8	64.4	64.4	64.4	64.4
BA-SPP-02-002	47.20	22.9	89.2	89.2	89.2	89.2
BA-SPP-02-003	45.80	43.4	108.1	108.1	108.1	108.1
BA-SPP-02-004	11.40	9.9	30.8	30.8	30.8	30.8
BA-SPP-02-005	27.70	4.0	46.6	46.6	55.4	55.4
Sea Pines - Baynard Cove Outfall - Major Basin 3						
BA-SPP-02						
BA-SPP-03-001	40.70	44.1	101.3	101.3	101.3	101.3
BA-SPP-03-002	62.10	42.6	141.1	141.1	141.1	141.1
BA-SPP-03-003	61.00	23.1	76.2	76.2	76.2	76.2
BA-SPP-03-004	13.00	14.5	46.6	46.6	46.6	46.6
Sea Pines - Braddock Cove Outfall - Major Basin 1						
BC-SPP-01						
BC-SPP-01-001	47.40	35.2	136.6	136.6	136.6	136.6
BC-SPP-01-002	29.40	27.6	105.8	105.8	105.8	105.8
Long Cove Club - Broad Creek - Major Basin 1						
BR-LCC-01						
BR-LCC-01-001	32.8	52.1	92.9	92.9	92.9	92.9
BR-LCC-01-002	101.9	141.2	251.7	251.7	251.7	251.7
BR-LCC-01-003	68.4	61.6	169	169.0	192.6	192.6
BR-LCC-01-004	114.3	70.0	190.5	190.5	190.5	190.5
BR-LCC-01-005	58.6	113.4	176.5	176.5	176.5	176.5
BR-LCC-01-006	180.2	203.4	347.2	347.2	360.7	360.7
BR-LCC-01-007	31.3	54.8	93.1	93.1	93.1	93.1
BR-LCC-01-008	30.3	20.9	54.6	54.6	54.6	54.6
Long Cove Club - Broad Creek - Major Basin 2						
BR-LCC-02						
BR-LCC-02-001	8.6	26.2	34	34.0	34	34.0
Point Comfort - Broad Creek - Major Basin 1						
BR-PCT-01						
BR-PCT-01-001	5.0	14.0	26.6	26.6	26.6	26.6
BR-PCT-01-002	4.7	17.7	25.6	25.6	25.6	25.6
BR-PCT-01-003	8.5	22.3	42	42.0	42.4	42.4
BR-PCT-01-004	2.9	9.0	14.8	14.8	15.9	15.9
BR-PCT-01-005	27.4	45.5	83.7	83.7	94.7	94.7
BR-PCT-01-006	21.3	45.6	87.3	87.3	87.3	87.3



TABLE M-8S  
SUBBASIN PEAK FLOW VALUES FOR 100-YEAR DESIGN STORM  
HILTON HEAD ISLAND WATERSHED

ICPR Subbasin ID	Tributary Area (acres)	Peak Flow (cfs)				
		Undeveloped	Existing Uncontrolled	Existing Controlled	Future Uncontrolled	Future Controlled
Point Comfort - Broad Creek - Major Basin 2 BR-PCT-02						
BR-PCT-02-001	12.6	34.0	53	53.0	54.5	54.5
BR-PCT-02-002	18.5	31.3	57	57.0	57	57.0
Palmetto Dunes - Broad Creek - Major Basin 1 BR-PDP-01						
BR-PDP-01-001	36.6	26.5	121.3	121.3	123.6	123.6
BR-PDP-01-002	171.1	213.9	325.7	325.7	325.7	325.7
BR-PDP-01-003	21.3	57.1	72.4	72.4	72.4	72.4
BR-PDP-01-004	146.6	111.4	217.1	217.1	217.1	217.1
BR-PDP-01-005	117.8	36.3	208.8	208.8	208.8	208.8
BR-PDP-01-006	97.9	85.7	175.3	175.3	175.3	175.3
BR-PDP-01-007	73.4	13.9	111.6	111.6	111.6	111.6
BR-PDP-01-008	12.0	10.3	34.8	34.8	34.8	34.8
BR-PDP-01-009	273.2	90.0	257.3	257.3	257.3	257.3
BR-PDP-01-010	179.9	72.1	182.8	182.8	182.8	182.8
BR-PDP-01-011	138.5	84.1	204.4	204.4	204.4	204.4
BR-PDP-01-012	162.9	31.2	174.2	174.2	174.2	174.2
BR-PDP-01-013	55.6	47.3	154.3	154.3	154.3	154.3
BR-PDP-01-014	122.7	45.1	205.9	205.9	205.9	205.9
Port Royal Plantation - Broad Creek - Major Basin 1 BR-PRP-01						
BR-PRP-01-001	34.7	100.1	110	110.0	117.6	117.6
BR-PRP-01-002	89.6	115.2	218.2	218.2	226.3	226.3
BR-PRP-01-003	24.6	23.1	53.6	53.6	53.6	53.6
BR-PRP-01-004	68.5	31.7	110.6	110.6	110.6	110.6
BR-PRP-01-005	198.1	72.7	220	220.0	220	220.0
BR-PRP-01-006	24.0	8.2	55.8	55.8	55.8	55.8
BR-PRP-01-007	106.0	22.0	109.4	109.4	109.4	109.4
BR-PRP-01-008	104.3	53.3	161.8	161.8	161.8	161.8
BR-PRP-01-009	9.4	1.1	6	6.0	6	6.0
BR-PRP-01-010	162.2	31.9	191.3	191.3	191.3	191.3
BR-PRP-01-011	88.0	11.2	90.9	90.9	90.9	90.9
BR-PRP-01-012	19.9	6.1	17.2	17.2	17.2	17.2
BR-PRP-01-013	17.0	22.3	69.8	69.8	69.8	69.8
BR-PRP-01-014	20.8	24.9	64.9	64.9	64.9	64.9
Wexford Plantation - Broad Creek - Major Basin 1 BR-WEX-01						
BR-WEX-01-001	73.7	113.6	182.6	182.6	182.6	182.6
BR-WEX-01-002	32.5	37.8	88.2	88.2	88.2	88.2
BR-WEX-01-003	129.1	121.7	272.2	272.2	272.2	272.2
BR-WEX-01-004	100.1	71.4	210.2	210.2	236	236.0
BR-WEX-01-005	184.2	112.3	301.2	301.2	327.4	327.4
BR-WEX-01-006	36.2	82.5	108.4	108.4	108.4	108.4
BR-WEX-01-006A	63.9	134.6	229.7	229.7	229.7	229.7
BR-WEX-01-007	74.1	64.6	142	142.0	142	142.0
BR-WEX-01-007A	114.6	74.0	190.3	190.3	190.3	190.3
BR-WEX-01-007B	112.9	24.6	128.5	128.5	128.5	128.5
BR-WEX-01-008	142.1	56.0	216.9	216.9	225.9	225.9
BR-WEX-01-009	119.8	19.9	170.7	170.7	178.1	178.1
BR-WEX-01-009A	14.8	7.5	24.9	24.9	24.9	24.9
BR-WEX-01-010	89.9	11.8	147	147.0	153.8	153.8
BR-WEX-01-011	102.5	15.0	126.4	126.4	126.4	126.4
Wexford Plantation - Broad Creek - Major Basin 2 BR-WEX-02						
BR-WEX-02-001	44.6	105.1	152.6	152.6	152.6	152.6
BR-WEX-02-002	14.0	18.7	21.4	21.4	21.4	21.4
BR-WEX-02-003	49.4	60.5	110.5	110.5	110.5	110.5
BR-WEX-02-004	26.8	45.9	80.8	80.8	80.8	80.8

TABLE M-8S  
SUBBASIN PEAK FLOW VALUES FOR 100-YEAR DESIGN STORM  
HILTON HEAD ISLAND WATERSHED

ICPR Subbasin ID	Tributary Area (acres)	Peak Flow (cfs)				
		Undeveloped	Existing Uncontrolled	Existing Controlled	Future Uncontrolled	Future Controlled
Crossings - Broad Creek - Major Basin 1						
BR-XNG-01						
BR-XNG-01-001	44.3	160.5	203.6	203.6	203.6	203.6
BR-XNG-01-002	87.3	125.8	194	194.0	224.4	224.4
BR-XNG-01-003	29.5	40.0	81.8	81.8	100	100.0
Sea Pines - Calibogue Sound - Major Basin 1						
CA-SPP-01						
CA-SPP-01-001	83.8	91.2	170.7	170.7	176.7	176.7
Sea Pines - Calibogue Sound - Major Basin 2						
CA-SPP-02-001						
CA-SPP-02-001	40.9	74.2	116.7	116.7	116.7	116.7
Port Royal Plantation - Fish Haul Creek - Major Basin 1						
FH-PRP-01						
FH-PRP-01-001	137.3	191.9	319.9	319.9	319.9	319.9
FH-PRP-01-002	168.8	132.1	254.5	254.5	300.2	300.2
FH-PRP-01-003	21.2	58.6	80.4	80.4	85.2	85.2
FH-PRP-01-004	55.8	136.1	173.2	173.2	177.4	177.4
FH-PRP-01-005	196.9	116.4	314.5	314.5	326.5	326.5
FH-PRP-01-006	107.0	159.2	307.7	307.7	323.4	323.4
Sea Pines - Lawton Canal - Major Basin 1						
LC-SPP-01						
LC-SPP-01-001	255.4	165.0	265.6	265.6	265.6	265.6
LC-SPP-01-002	98.4	96.7	118.8	118.8	118.8	118.8
LC-SPP-01-003	113.9	30.4	114.6	114.6	114.6	114.6
LC-SPP-01-004	52.3	40.5	91.9	91.9	91.9	91.9
LC-SPP-01-005	48.6	28.5	84.8	84.8	84.8	84.8
LC-SPP-01-006	278.5	230.2	394.9	394.9	394.9	394.9
LC-SPP-01-007	35.6	38.4	83.5	83.5	89.2	89.2
LC-SPP-01-008	226.1	421.6	440.3	440.3	454.7	454.7
LC-SPP-01-009	494.1	203.3	657.2	657.2	712.3	712.3
LC-SPP-01-010	90.3	48.1	213.5	213.5	221.6	221.6
LC-SPP-01-011	84.5	142.7	148.8	148.8	148.8	148.8
Sea Pines - Point Comfort Creek - Major Basin 1						
PC-SPP-01						
PC-SPP-01-001	50.6	65.1	108.7	108.7	108.7	108.7
PC-SPP-01-002	115.7	120.7	301.1	301.1	309.2	309.2
PC-SPP-01-003	28.2	47.8	76.6	76.6	76.6	76.6
PC-SPP-01-004	51.2	79.8	186.9	186.9	186.9	186.9
PC-SPP-01-005	51.2	107.8	181.1	181.1	181.1	181.1
Sea Pines - Point Comfort Creek - Major Basin 2						
PC-SPP-02						
PC-SPP-02-001	3.3	8.2	12.7	12.7	12.7	12.7
PC-SPP-02-002	52.5	84.6	143.3	143.3	143.3	143.3
PC-SPP-02-003	28.8	62.2	91.3	91.3	91.3	91.3
PC-SPP-02-004	43.5	115.4	154.8	154.8	154.8	154.8

TABLE M-9  
 NODE PEAK WATER SURFACE ELEVATIONS  
 HILTON HEAD ISLAND WATERSHED  
 EXISTING LAND USE

ICPR Node ID	Initial Elevation (ft)	Existing Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
<b>SPP - Baynard Cove - Major Basin 1</b>					
BASP01-1	1.9	3.0	4.0	4.4	5.7
BASP01-10	1.9	2.8	3.9	4.4	6.3
BASP01-11	1.9	2.5	3.4	3.8	5.5
BASP01-12	1.9	2.5	3.4	3.8	5.5
BASP01-13	1.9	2.5	3.4	3.8	5.5
BASP01-14	1.9	2.4	3.3	3.7	4.9
BASP01-15	1.9	2.4	3.3	3.7	4.9
BASP01-16	1.9	2.4	3.3	3.7	4.9
BASP01-22	1.9	2.4	3.3	3.6	4.8
BASP01-23	1.9	2.4	3.3	3.6	4.8
BASP01-24	1.9	2.5	3.2	3.6	4.8
BASP01-25	1.9	2.4	3.2	3.6	4.8
BASP01-26	1.9	2.4	3.2	3.6	4.8
BASP01-27	1.9	2.4	3.2	3.6	4.8
BASP01-28	1.9	2.4	3.2	3.6	4.8
BASP01-29	1.9	2.4	3.2	3.6	4.8
BASP01-3	1.9	3.0	4.0	4.4	5.7
BASP01-30	1.9	2.4	3.2	3.6	4.8
BASP01-31	1.9	2.4	3.2	3.6	4.8
BASP01-32	1.9	2.4	3.2	3.6	4.8
BASP01-33	1.9	2.4	3.2	3.6	4.8
BASP01-34	1.9	2.4	3.2	3.6	4.8
BASP01-35	1.9	3.1	4.4	4.9	6.6
BASP01-37	1.9	3.1	4.4	5.0	6.6
BASP01-38	1.9	3.1	4.5	5.2	6.7
BASP01-39	1.9	3.1	4.5	5.2	6.7
BASP01-4	1.9	3.1	4.3	4.9	6.6
BASP01-40	1.9	3.1	4.5	5.2	6.7
BASP01-41	1.9	3.1	4.5	5.2	6.7
BASP01-43	1.9	3.1	4.6	5.2	6.7
BASP01-44	1.9	3.2	5.0	5.6	6.7
BASP01-46	1.9	2.4	3.3	3.6	4.8
BASP01-47	1.9	2.4	3.3	3.6	4.8
BASP01-48	1.9	2.4	3.3	3.6	4.8
BASP01-5	1.9	3.1	4.3	4.9	6.6
BASP01-52	1.9	2.4	3.3	3.6	4.8
BASP01-53	1.9	2.4	3.3	3.6	4.8
BASP01-54	1.9	2.4	3.3	3.6	4.8
BASP01-55	1.9	2.4	3.3	3.6	4.8
BASP01-56	1.9	2.4	3.3	3.6	4.8
BASP01-57	1.9	2.4	3.3	3.6	4.8
BASP01-58	1.9	2.4	3.2	3.6	4.8
BASP01-59	1.9	2.4	3.2	3.6	4.8
BASP01-59A	1.9	2.4	3.2	3.6	4.8
BASP01-6	1.9	3.0	4.3	4.8	6.6
BASP01-60	1.9	2.4	3.2	3.6	4.8
BASP01-61	1.9	2.4	3.2	3.6	4.8
BASP01-62	1.9	2.4	3.2	3.6	4.8
BASP01-63	1.9	2.4	3.3	3.6	4.8
BASP01-64	1.9	2.4	3.3	3.6	4.8
BASP01-65	1.9	2.4	3.3	3.6	4.8
BASP01-66	1.9	2.5	3.3	3.6	4.8
BASP01-7	1.9	3.0	4.3	4.8	6.6
BASP01-8	1.9	3.0	4.3	4.8	6.6
BASP01-OUT	3.0	3.0	3.0	3.0	3.0

TABLE M-9  
 NODE PEAK WATER SURFACE ELEVATIONS  
 HILTON HEAD ISLAND WATERSHED  
 EXISTING LAND USE

	Initial Elevation	Existing Land Use			
		2-Year	10-Year	25-Year	100-Year
<b>SPP - Baynard Cove - Major Basin 2</b>					
BASP02-1	3.3	3.6	3.9	4.0	4.2
BASP02-10	3.3	3.8	4.9	5.4	7.0
BASP02-11	3.3	4.3	5.8	6.3	7.2
BASP02-12	3.3	4.3	5.8	6.3	7.2
BASP02-13	3.3	4.5	5.8	6.3	7.2
BASP02-15	3.3	4.5	5.7	6.1	7.0
BASP02-16	3.3	4.5	5.7	6.1	7.0
BASP02-17	3.3	4.3	5.3	5.8	7.0
BASP02-18	3.3	4.3	5.4	5.8	7.0
BASP02-2	3.3	3.7	4.2	4.4	5.5
BASP02-3	3.3	3.7	4.2	4.4	5.5
BASP02-4	3.3	3.7	4.3	4.5	5.5
BASP02-5	3.3	3.8	4.7	5.1	6.7
BASP02-6	3.3	3.8	4.7	5.2	6.7
BASP02-7	3.3	3.8	4.7	5.2	6.7
BASP02-8	3.3	3.8	4.9	5.4	7.0
BASP02-9	3.3	3.8	4.9	5.4	7.0
BASP02-OUT	3.0	3.0	3.0	3.0	3.0
<b>SPP - Baynard Cove - Major Basin 3</b>					
BASP03-10	3.3	4.1	5.8	6.3	7.2
BASP03-11	3.3	4.1	5.8	6.3	7.2
BASP03-12	3.3	4.1	5.7	6.2	7.2
BASP03-13	3.3	4.1	5.7	6.2	7.2
BASP03-14	3.3	4.1	5.6	6.2	7.2
BASP03-15	3.3	4.1	5.6	6.2	7.2
BASP03-16	3.3	4.1	5.6	6.1	6.8
BASP03-18	3.3	4.1	5.6	6.1	6.8
BASP03-2	3.3	4.0	5.6	6.1	7.2
BASP03-4	3.3	4.1	5.8	6.3	7.2
BASP03-5	3.3	4.1	5.8	6.3	7.2
BASP03-6	3.3	4.1	5.8	6.3	7.2
BASP03-8	3.3	4.1	5.8	6.3	7.2
BASP03-9	3.3	4.1	5.8	6.3	7.2
BASP03-OUT	3.0	3.0	3.0	3.0	3.0
<b>SPP - Braddack Cove - Major Basin 1</b>					
BCSP01-1	2.1	3.2	4.3	4.7	5.5
BCSP01-2	2.1	3.6	5.0	5.5	6.4
BCSP01-3	2.1	4.4	6.4	7.1	8.2
BCSP01-OUT	3.0	3.0	3.0	3.0	3.0
<b>LCC - Broad Creek - Major Basin 1</b>					
BRLCC01-1	3.0	4.1	4.9	5.1	5.7
BRLCC01-10	3.0	4.1	4.8	5.0	5.6
BRLCC01-11	3.0	4.1	4.8	5.1	5.6
BRLCC01-12	3.0	4.2	4.9	5.2	5.9
BRLCC01-13	1.5	2.8	4.3	4.8	5.6
BRLCC01-14	1.5	2.8	4.3	4.7	5.6
BRLCC01-15	1.5	2.9	4.3	4.7	5.6
BRLCC01-2	3.0	4.9	5.9	6.2	7.0
BRLCC01-3	3.0	4.6	5.6	6.2	7.1
BRLCC01-4	3.6	4.9	6.3	6.7	7.3
BRLCC01-5	3.6	4.9	6.4	6.9	7.6
BRLCC01-6	3.6	4.9	6.3	6.9	7.6
BRLCC01-7	3.0	4.9	6.3	6.9	7.6
BRLCC01-8	3.0	4.3	5.2	5.6	6.3
BRLCC01-9	3.0	4.1	4.7	5.0	5.5
BRLCC01-OUT	3.0	3.0	3.0	3.0	3.0

TABLE M-9  
 NODE PEAK WATER SURFACE ELEVATIONS  
 HILTON HEAD ISLAND WATERSHED  
 EXISTING LAND USE

	Initial Elevation	Existing Land Use			
		2-Year	10-Year	25-Year	100-Year
<b>LCC - Broad Creek - Major Basin 2</b>					
BRLCC02-1	3.0	3.0	3.0	3.0	3.2
BRLCC02-OUT	3.0	3.0	3.0	3.0	3.0
<b>PCT - Broad Creek - Major Basin 1</b>					
BRPCT01-2	3.1	4.4	5.1	5.4	6.0
BRPCT01-3	3.1	4.4	5.2	5.5	6.0
BRPCT01-4	3.1	4.5	5.2	5.5	6.1
BRPCT01-5	3.1	4.5	5.2	5.6	6.1
BRPCT01-6	3.1	4.5	5.2	5.6	6.1
BRPCT01-7	3.1	4.5	6.0	6.4	7.3
BRPCT01-8	3.1	4.8	6.5	7.2	8.0
BRPCT01-OUT	3.0	3.0	3.0	3.0	3.0
<b>PCT - Broad Creek - Major Basin 2</b>					
BRPCT02-1	4.1	4.5	4.6	4.6	4.7
BRPCT02-2	4.1	4.6	4.8	4.9	5.1
BRPCT02-3	4.1	4.7	5.0	5.1	5.4
BRPCT02-4	4.1	4.8	5.2	5.4	5.8
BRPCT02-5	4.1	5.0	5.4	5.7	6.3
BRPCT02-6	4.1	5.1	5.6	5.9	6.4
BRPCT02-7	4.1	5.2	5.9	6.2	6.6
BRPCT02-OUT	3.0	3.0	3.0	3.0	3.0
<b>PDP - Broad Creek - Major Basin 1</b>					
BRPDP01-1	1.0	1.1	1.6	1.8	2.5
BRPDP01-10	1.0	1.1	1.7	1.9	2.8
BRPDP01-101	1.0	1.1	1.7	1.9	2.8
BRPDP01-102	1.0	1.1	1.7	1.9	2.9
BRPDP01-103	1.0	1.1	1.7	1.9	2.9
BRPDP01-104	1.0	1.1	1.7	1.9	2.9
BRPDP01-105	1.0	1.1	1.7	1.9	2.9
BRPDP01-106	1.0	1.1	1.7	1.9	2.8
BRPDP01-13	1.0	1.1	1.7	1.9	2.9
BRPDP01-14	1.0	1.1	1.7	1.9	2.9
BRPDP01-15	1.0	1.1	1.7	1.9	2.9
BRPDP01-16	1.0	1.1	1.7	1.9	2.9
BRPDP01-17	1.0	1.1	1.7	1.9	2.9
BRPDP01-18	1.0	1.1	1.7	1.9	2.9
BRPDP01-19	1.0	1.1	1.7	1.9	2.9
BRPDP01-1A	1.0	1.1	1.6	1.8	2.5
BRPDP01-2	1.0	1.1	1.6	1.8	2.5
BRPDP01-20	1.0	1.1	1.7	1.9	2.9
BRPDP01-21	1.0	1.1	1.7	1.9	2.9
BRPDP01-22	1.0	1.1	1.7	1.9	2.9
BRPDP01-23	1.0	1.1	1.7	1.9	2.9
BRPDP01-25	1.0	1.1	1.6	1.8	2.5
BRPDP01-26	1.0	1.1	1.6	1.8	2.5
BRPDP01-27	1.0	1.1	1.6	1.8	2.7
BRPDP01-28	1.0	1.1	1.7	1.9	2.9
BRPDP01-29	1.0	1.1	1.7	1.9	3.0
BRPDP01-3	1.0	1.1	1.6	1.8	2.6
BRPDP01-30	1.0	1.1	1.7	1.9	3.0
BRPDP01-31	1.0	1.1	1.7	1.9	3.0
BRPDP01-32	1.0	1.1	1.7	1.9	3.0
BRPDP01-33	1.0	1.1	1.7	1.9	3.0
BRPDP01-34	1.0	1.1	1.7	1.9	3.0
BRPDP01-34A	1.0	1.1	1.7	1.9	3.0
BRPDP01-35	1.0	1.1	1.7	1.9	3.0
BRPDP01-36	1.0	1.1	1.7	1.9	3.0
BRPDP01-37	1.0	1.1	1.7	1.9	3.0
BRPDP01-38	1.0	1.1	1.7	1.9	3.0

TABLE M-9  
 NODE PEAK WATER SURFACE ELEVATIONS  
 HILTON HEAD ISLAND WATERSHED  
 EXISTING LAND USE

	Initial Elevation	Existing Land Use			
		2-Year	10-Year	25-Year	100-Year
BRPDP01-39	1.0	1.1	1.7	1.9	3.0
BRPDP01-4	1.0	1.1	1.6	1.8	2.7
BRPDP01-40	1.0	1.1	1.7	1.9	3.0
BRPDP01-41	1.0	1.1	1.7	1.9	3.0
BRPDP01-42	1.0	1.1	1.7	1.9	3.0
BRPDP01-43	1.0	1.1	1.7	1.9	3.0
BRPDP01-44	1.0	1.1	1.7	1.9	3.0
BRPDP01-45	1.0	1.1	1.7	1.9	3.0
BRPDP01-47	1.0	1.1	1.7	1.9	2.9
BRPDP01-49	1.0	1.1	1.7	1.9	2.9
BRPDP01-5	1.0	1.1	1.6	1.8	2.7
BRPDP01-51	1.0	1.1	1.7	1.9	2.9
BRPDP01-52	1.0	1.1	1.7	1.9	2.9
BRPDP01-53	1.0	1.1	1.7	1.9	2.9
BRPDP01-54	1.0	1.1	1.7	1.9	3.0
BRPDP01-55	1.0	1.1	1.7	1.9	3.0
BRPDP01-56	1.0	1.1	1.7	1.9	3.0
BRPDP01-57	1.0	1.1	1.7	1.9	3.0
BRPDP01-58	1.0	1.1	1.7	1.9	3.0
BRPDP01-59	1.0	1.1	1.7	1.9	3.0
BRPDP01-6	1.0	1.1	1.6	1.8	2.8
BRPDP01-60	1.0	1.1	1.7	1.9	3.0
BRPDP01-61	1.0	1.1	1.7	1.9	3.0
BRPDP01-62	1.0	1.1	1.7	1.9	3.0
BRPDP01-63	1.0	1.1	1.7	1.9	3.0
BRPDP01-64	1.0	1.1	1.7	1.9	3.0
BRPDP01-65	1.0	1.1	1.7	1.9	3.0
BRPDP01-66	1.0	1.1	1.7	1.9	3.0
BRPDP01-67	1.0	1.1	1.7	1.9	3.0
BRPDP01-68	1.0	1.1	1.7	1.9	3.0
BRPDP01-69	1.0	1.1	1.7	1.9	3.0
BRPDP01-7	1.0	1.1	1.6	1.8	2.8
BRPDP01-70	1.0	1.1	1.7	1.9	3.0
BRPDP01-71	1.0	1.1	1.7	1.9	3.0
BRPDP01-72	1.0	1.1	1.7	1.9	3.0
BRPDP01-73	1.0	1.1	1.7	1.9	3.0
BRPDP01-74	1.0	1.1	1.7	1.9	3.0
BRPDP01-75	1.0	1.1	1.7	1.9	3.0
BRPDP01-8	1.0	1.1	1.7	1.9	2.8
BRPDP01-80	1.0	1.1	1.6	1.9	2.8
BRPDP01-81	1.0	1.1	1.6	1.9	2.9
BRPDP01-82	1.0	1.1	1.7	1.9	2.9
BRPDP01-83	1.0	1.1	1.7	1.9	2.9
BRPDP01-9	1.0	1.1	1.7	1.9	2.8
BRPDP01-90	1.0	1.1	1.6	1.8	2.3
BRPDP01-91	1.0	1.1	1.6	1.8	2.3
BRPDP01-92	1.0	1.1	1.6	1.8	2.3
BRPDP01-93	1.0	1.1	1.6	1.9	2.8
BRPDP01-OUTA	3.0	3.0	3.0	3.0	3.0
BRPDP01-OUTB	3.0	3.0	3.0	3.0	3.0

TABLE M-9  
 NODE PEAK WATER SURFACE ELEVATIONS  
 HILTON HEAD ISLAND WATERSHED  
 EXISTING LAND USE

	Initial Elevation	Existing Land Use			
		2-Year	10-Year	25-Year	100-Year
<b>PRP - Broad Creek - Major Basin 1</b>					
BRPRP01-1	1.7	3.0	3.0	3.0	3.1
BRPRP01-11	1.7	3.4	4.6	5.1	7.3
BRPRP01-12	1.7	3.4	4.7	5.3	7.4
BRPRP01-13	1.7	3.4	4.7	5.3	7.4
BRPRP01-14	1.7	3.4	4.8	5.3	7.5
BRPRP01-14A	1.7	3.4	4.8	5.3	7.5
BRPRP01-15	1.7	3.4	4.8	5.4	7.5
BRPRP01-2	1.7	3.0	3.2	3.4	4.5
BRPRP01-20	1.7	3.4	4.8	5.4	7.6
BRPRP01-21	2.6	3.5	4.8	5.4	7.5
BRPRP01-22	2.5	3.5	4.8	5.4	7.5
BRPRP01-23	2.5	3.5	4.8	5.4	7.5
BRPRP01-23A	2.5	3.5	4.8	5.4	7.5
BRPRP01-24	2.5	3.5	4.8	5.5	7.5
BRPRP01-25	2.5	3.4	4.8	5.5	7.4
BRPRP01-26	2.5	3.3	4.9	5.5	7.4
BRPRP01-27	2.5	3.3	4.9	5.5	7.4
BRPRP01-28	2.5	3.3	4.9	5.5	7.4
BRPRP01-29	2.5	3.3	4.9	5.5	7.4
BRPRP01-3	1.7	3.0	3.7	4.0	5.5
BRPRP01-30	2.5	3.3	4.9	5.5	7.5
BRPRP01-31	2.5	3.3	4.9	5.5	7.5
BRPRP01-32	2.5	3.3	4.9	5.5	7.5
BRPRP01-32A	2.5	3.3	4.9	5.5	7.5
BRPRP01-33	2.5	3.3	4.9	5.5	7.5
BRPRP01-34	2.5	3.3	4.9	5.5	7.5
BRPRP01-36	5.1	5.1	5.1	5.5	7.5
BRPRP01-37	6.1	6.3	6.6	6.8	7.9
BRPRP01-4	1.7	3.2	4.0	4.5	6.1
BRPRP01-40	2.5	3.3	4.9	5.5	7.4
BRPRP01-41	2.5	3.3	4.9	5.5	7.4
BRPRP01-42	2.5	3.3	4.9	5.5	7.4
BRPRP01-43	2.5	3.3	4.9	5.5	7.5
BRPRP01-44	2.5	3.3	4.9	5.5	7.5
BRPRP01-46	2.5	3.3	4.9	5.5	7.7
BRPRP01-47	4.1	4.1	4.9	5.5	7.7
BRPRP01-5	1.7	3.2	4.2	4.6	6.2
BRPRP01-6	1.7	3.4	4.5	4.9	6.5
BRPRP01-61	2.5	3.5	4.8	5.4	7.5
BRPRP01-62	2.5	3.5	4.8	5.4	7.6
BRPRP01-66	2.9	3.9	4.9	5.4	7.5
BRPRP01-67	3.0	3.9	4.9	5.5	7.6
BRPRP01-7	1.7	3.4	4.5	4.9	6.6
BRPRP01-8	1.7	3.4	4.5	4.9	7.0
BRPRP01-9	1.7	3.4	4.6	5.1	7.3
BRPRP01-OUT	3.0	3.0	3.0	3.0	3.0
<b>WEX - Broad Creek - Major Basin 1</b>					
BRWEX01-1	-2.9	0.6	0.6	1.1	1.1
BRWEX01-10	0.1	2.9	4.6	5.0	5.8
BRWEX01-11	0.1	2.9	4.6	5.0	5.8
BRWEX01-12	0.1	3.0	4.6	5.0	5.8
BRWEX01-13	0.1	3.0	4.6	5.0	5.8
BRWEX01-14	0.1	3.0	4.6	5.0	5.8
BRWEX01-15	0.1	3.0	4.6	5.0	5.8
BRWEX01-16	0.1	3.0	4.6	5.1	5.9
BRWEX01-17	0.1	3.0	4.6	5.1	5.9
BRWEX01-17A	0.1	3.0	4.8	5.3	6.1
BRWEX01-18	0.9	3.3	4.9	5.4	6.2
BRWEX01-19	1.1	3.6	5.2	5.7	6.5

TABLE M-9  
 NODE PEAK WATER SURFACE ELEVATIONS  
 HILTON HEAD ISLAND WATERSHED  
 EXISTING LAND USE

	Initial Elevation	Existing Land Use			
		2-Year	10-Year	25-Year	100-Year
BRWEX01-2	0.1	2.8	4.4	4.8	5.5
BRWEX01-20	1.1	3.6	5.3	5.7	6.5
BRWEX01-21	1.1	3.6	5.3	5.7	6.5
BRWEX01-22	1.1	3.6	5.3	5.7	6.5
BRWEX01-23	1.1	3.6	5.3	5.7	6.6
BRWEX01-24	1.1	3.6	5.3	5.7	6.6
BRWEX01-25	1.1	3.6	5.3	5.7	6.6
BRWEX01-26	1.1	4.0	5.4	5.9	6.7
BRWEX01-27	1.1	4.2	5.5	5.9	6.7
BRWEX01-28	1.1	4.2	5.5	5.9	6.8
BRWEX01-29	1.1	3.6	5.1	5.8	6.8
BRWEX01-3	0.1	2.8	4.4	4.8	5.6
BRWEX01-30	1.1	3.6	5.1	5.8	6.7
BRWEX01-31	1.1	3.6	5.1	5.8	6.7
BRWEX01-32	1.8	3.6	5.1	5.8	6.7
BRWEX01-33	3.0	3.6	5.1	5.8	6.7
BRWEX01-34	3.1	4.0	4.8	5.7	6.7
BRWEX01-35	3.1	4.1	4.4	5.7	6.7
BRWEX01-36	3.1	4.1	4.4	5.7	6.7
BRWEX01-37	3.1	4.1	4.4	5.6	6.6
BRWEX01-38	3.1	4.1	4.4	5.6	6.6
BRWEX01-39	3.1	4.1	4.4	5.6	6.6
BRWEX01-4	0.1	2.8	4.4	4.8	5.6
BRWEX01-41	3.1	4.1	4.4	5.6	6.6
BRWEX01-42	3.1	4.1	4.4	5.6	6.6
BRWEX01-44	3.1	4.1	4.4	5.6	6.6
BRWEX01-45	3.1	4.1	4.4	5.6	6.6
BRWEX01-46	3.1	4.1	4.4	5.6	6.6
BRWEX01-47	3.1	4.1	4.4	5.6	6.6
BRWEX01-5	0.1	2.8	4.4	4.8	5.6
BRWEX01-50	1.1	3.6	5.3	5.7	6.5
BRWEX01-51	1.1	3.6	5.3	5.7	6.5
BRWEX01-52	1.1	3.6	5.3	5.7	6.5
BRWEX01-53	1.1	3.6	5.3	5.7	6.5
BRWEX01-54	3.2	4.3	5.3	5.7	6.6
BRWEX01-55	4.0	5.3	6.0	6.3	6.7
BRWEX01-6	0.1	2.8	4.4	4.8	5.6
BRWEX01-60	1.1	3.6	5.2	5.8	6.8
BRWEX01-61	1.1	3.8	5.2	5.8	6.8
BRWEX01-62	1.1	3.8	5.3	5.8	6.8
BRWEX01-63	1.1	3.9	5.4	5.9	6.8
BRWEX01-64	4.1	4.1	5.2	5.7	6.7
BRWEX01-65	4.1	4.1	5.2	5.7	6.7
BRWEX01-7	0.1	2.8	4.4	4.8	5.6
BRWEX01-70	3.1	4.1	4.4	5.6	6.6
BRWEX01-71	3.1	4.1	4.4	5.6	6.6
BRWEX01-72	3.1	4.1	4.4	5.6	6.6
BRWEX01-73	3.1	4.1	4.4	5.6	6.6
BRWEX01-74	3.1	4.1	4.4	5.6	6.6
BRWEX01-75	3.1	4.1	4.4	5.6	6.6
BRWEX01-76	3.2	4.1	4.4	5.6	6.7
BRWEX01-8	0.1	2.8	4.4	4.8	5.6
BRWEX01-80	3.1	4.1	4.4	5.6	6.6
BRWEX01-81	3.1	4.1	4.4	5.6	6.6
BRWEX01-82	3.1	4.1	4.4	5.6	6.6
BRWEX01-83	3.1	4.1	4.4	5.6	6.6
BRWEX01-84	3.1	4.1	4.4	5.6	6.6
BRWEX01-85	3.1	4.1	4.4	5.6	6.7
BRWEX01-86	3.1	4.1	4.4	5.6	6.7
BRWEX01-9	0.1	2.8	4.4	4.8	5.6
BRWEX01-OUT	3.0	3.0	3.0	3.0	3.0



TABLE M-9  
 NODE PEAK WATER SURFACE ELEVATIONS  
 HILTON HEAD ISLAND WATERSHED  
 EXISTING LAND USE

	Initial Elevation	Existing Land Use			
		2-Year	10-Year	25-Year	100-Year
<b>WEX - Broad Creek - Major Basin 2</b>					
BRWEX02-1	3.3	3.7	3.9	4.0	4.3
BRWEX02-10	3.3	4.4	6.4	7.1	7.9
BRWEX02-11	3.3	4.4	6.4	7.1	7.9
BRWEX02-12	3.3	4.4	6.4	7.1	7.9
BRWEX02-2	3.3	4.1	5.1	5.4	7.2
BRWEX02-3	3.3	4.4	6.4	7.1	7.9
BRWEX02-4	3.3	4.4	6.4	7.1	7.9
BRWEX02-5	3.3	4.4	6.4	7.1	7.9
BRWEX02-6	3.3	4.4	6.4	7.1	7.9
BRWEX02-7	3.3	4.4	6.4	7.1	7.9
BRWEX02-8	3.3	4.4	6.4	7.1	7.9
BRWEX02-9	3.3	4.4	6.4	7.1	7.9
BRWEX02-OUT	3.0	3.0	3.0	3.0	3.0
<b>XNG - Broad Creek - Major Basin 1</b>					
BRXNG01-1	3.0	4.4	5.1	5.4	5.9
BRXNG01-10	3.7	5.2	6.1	6.5	7.3
BRXNG01-11	3.7	5.2	6.1	6.5	7.3
BRXNG01-12	3.7	5.2	6.1	6.5	7.3
BRXNG01-13	3.7	5.2	6.1	6.5	7.3
BRXNG01-14	3.7	5.2	6.1	6.5	7.3
BRXNG01-15	4.1	5.2	6.1	6.5	7.3
BRXNG01-1A	3.0	3.9	4.6	5.0	5.5
BRXNG01-2	3.0	4.7	5.5	5.8	6.3
BRXNG01-3	3.0	4.8	5.6	5.9	6.4
BRXNG01-3A	3.0	4.9	5.7	6.0	6.5
BRXNG01-4	3.0	4.9	5.7	6.0	6.5
BRXNG01-5	3.0	4.9	5.8	6.1	6.6
BRXNG01-6	3.0	5.0	5.8	6.1	6.7
BRXNG01-7	3.7	5.2	6.1	6.5	7.3
BRXNG01-8	3.7	5.2	6.1	6.5	7.3
BRXNG01-9	3.7	5.2	6.1	6.5	7.3
BRXNG01-OUT	3.0	3.0	3.0	3.0	3.0
<b>SPP - Calibogue Sound - Major Basin 1</b>					
CASP01-1	3.0	3.0	3.0	3.3	3.7
CASP01-2	3.0	3.0	3.7	4.2	4.7
CASP01-OUT	3.0	3.0	3.0	3.0	3.0
<b>SPP - Calibogue Sound - Major Basin 2</b>					
CASP02-1	3.0	4.8	5.5	5.8	6.1
CASP02-1A	3.0	4.1	4.7	5.3	5.6
CASP02-OUT	3.0	3.0	3.0	3.0	3.0
<b>PRP - Fish Haul Creek - Major Basin 1</b>					
FHPRP01-1	3.0	3.0	3.0	3.0	3.0
FHPRP01-10	3.0	4.7	6.5	7.1	8.1
FHPRP01-11	3.0	4.7	6.5	7.1	8.1
FHPRP01-12	3.0	4.8	6.5	7.1	8.1
FHPRP01-13	3.0	5.0	6.5	7.1	8.1
FHPRP01-14	3.0	5.1	6.5	7.1	8.1
FHPRP01-15	3.0	5.1	6.5	7.1	8.1
FHPRP01-16	3.0	5.5	6.6	7.2	8.1
FHPRP01-17	3.0	5.9	6.6	7.2	8.2
FHPRP01-18	4.1	8.4	9.6	9.9	10.4
FHPRP01-2	3.0	3.0	3.0	3.0	3.0
FHPRP01-3	3.0	3.4	4.4	4.8	6.0
FHPRP01-4	3.0	3.4	4.4	4.8	6.0
FHPRP01-5	3.0	3.4	4.4	4.8	6.0
FHPRP01-6	3.0	4.2	4.7	5.0	6.4
FHPRP01-7	3.0	4.2	4.7	5.1	6.4
FHPRP01-8	3.0	4.3	4.7	5.1	6.4
FHPRP01-9	3.0	4.6	6.5	7.1	8.1
FHPRP01-OUT	3.0	3.0	3.0	3.0	3.0

TABLE M-9  
 NODE PEAK WATER SURFACE ELEVATIONS  
 HILTON HEAD ISLAND WATERSHED  
 EXISTING LAND USE

	Initial Elevation	Existing Land Use			
		2-Year	10-Year	25-Year	100-Year
<b>SPP - Lawton Canal - Major Basin 1</b>					
LCSP01-5	-0.9	0.8	1.1	1.3	2.1
LCSP01-1	-0.9	1.6	2.2	2.4	2.7
LCSP01-10	-0.9	1.7	2.6	3.1	3.9
LCSP01-11	-0.9	1.7	2.6	3.1	3.9
LCSP01-12	-0.9	1.7	2.6	3.1	3.9
LCSP01-13	0.0	2.0	3.1	3.5	4.3
LCSP01-14	0.0	2.0	3.1	3.5	4.3
LCSP01-15	0.0	2.0	3.1	3.5	4.3
LCSP01-16	0.0	2.0	3.1	3.5	4.3
LCSP01-17	0.0	2.0	3.2	3.6	4.3
LCSP01-18	0.0	2.1	3.2	3.6	4.3
LCSP01-19	0.0	2.1	3.2	3.6	4.3
LCSP01-2	-0.9	1.6	2.2	2.4	2.6
LCSP01-20	0.0	2.1	3.2	3.6	4.3
LCSP01-21	0.0	2.1	3.2	3.6	4.3
LCSP01-22	0.0	2.1	3.3	3.7	4.4
LCSP01-24	0.0	2.8	3.6	3.9	4.6
LCSP01-25	0.0	2.8	3.7	4.0	4.7
LCSP01-26	0.0	2.8	3.7	4.0	4.7
LCSP01-26A	0.0	2.8	3.7	4.0	4.7
LCSP01-27	0.0	2.9	3.7	4.0	4.7
LCSP01-28	0.0	2.9	3.7	4.0	4.7
LCSP01-3	-0.9	1.7	2.2	2.4	2.8
LCSP01-30	2.1	2.5	2.9	3.0	3.4
LCSP01-31	2.1	2.5	2.9	3.0	3.4
LCSP01-32	2.1	2.5	2.9	3.0	3.4
LCSP01-32A	2.1	2.5	2.9	3.0	3.4
LCSP01-33	2.1	2.6	3.2	3.4	4.2
LCSP01-34	2.1	2.6	3.2	3.4	4.2
LCSP01-36	2.1	2.9	3.7	4.0	4.7
LCSP01-37	2.1	2.9	3.7	4.0	4.7
LCSP01-38	2.1	2.9	3.7	4.0	4.7
LCSP01-39	2.1	2.9	3.7	4.0	4.7
LCSP01-3A	-0.9	1.7	2.2	2.4	2.8
LCSP01-4	-0.9	1.7	2.2	2.4	2.8
LCSP01-40	2.1	2.9	3.7	4.0	4.7
LCSP01-41	2.1	2.9	3.7	4.0	4.7
LCSP01-4A	-0.9	1.7	2.6	2.9	3.5
LCSP01-5	-0.9	1.7	2.6	3.0	3.6
LCSP01-50	1.5	2.2	2.7	2.9	3.3
LCSP01-51	1.5	2.2	2.7	2.9	3.3
LCSP01-52	1.5	2.4	2.9	3.1	3.6
LCSP01-53	1.5	2.4	2.9	3.1	3.6
LCSP01-54	1.5	2.4	2.9	3.1	3.6
LCSP01-55	1.5	2.4	2.9	3.1	3.6
LCSP01-56	1.5	2.4	2.9	3.1	3.6
LCSP01-57	1.5	2.4	3.2	3.5	4.2
LCSP01-58	1.5	2.4	3.3	3.5	4.2
LCSP01-59	1.5	2.5	3.6	3.9	4.8
LCSP01-6	-0.9	1.7	2.7	3.0	3.6
LCSP01-60	1.8	2.5	3.6	3.9	4.8
LCSP01-61	2.5	3.0	4.0	4.4	5.6
LCSP01-7	-0.9	1.7	2.7	3.0	3.6
LCSP01-70	1.5	2.4	3.0	3.3	3.7
LCSP01-71	1.5	2.5	3.1	3.3	3.7
LCSP01-72	1.5	2.5	3.2	3.5	3.9
LCSP01-73	1.5	2.5	3.5	3.8	4.4
LCSP01-74	1.5	2.6	3.5	3.8	4.4
LCSP01-75	1.5	2.6	3.7	4.1	5.1
LCSP01-76	1.5	2.6	3.7	4.1	5.1
LCSP01-77	1.9	2.7	3.8	4.1	4.8
LCSP01-78	1.9	2.7	3.8	4.2	4.8
LCSP01-8	-0.9	1.7	2.7	3.0	3.6
LCSP01-85	-0.9	1.7	2.6	3.1	3.9
LCSP01-86	-0.9	1.8	2.7	3.1	4.0
LCSP01-9	-0.9	1.7	2.7	3.0	3.6
LCSP01-OUT	3.0	3.0	3.0	3.0	3.0

TABLE M-9  
 NODE PEAK WATER SURFACE ELEVATIONS  
 HILTON HEAD ISLAND WATERSHED  
 EXISTING LAND USE

	Initial Elevation	Existing Land Use			
		2-Year	10-Year	25-Year	100-Year
<b>SPP - Point Comfort Creek - Major Basin 1</b>					
PCSPP01-1	0.0	3.4	4.2	4.7	5.7
PCSPP01-10	0.2	5.9	7.5	8.0	8.7
PCSPP01-11	0.3	5.9	7.5	8.0	8.7
PCSPP01-12	0.7	6.0	7.5	8.0	8.7
PCSPP01-13	0.0	3.5	4.3	4.7	5.8
PCSPP01-14	0.0	3.5	4.4	4.8	5.8
PCSPP01-15	0.0	3.5	4.4	4.8	5.8
PCSPP01-16	0.0	3.5	4.4	4.8	5.8
PCSPP01-17	2.6	3.5	4.4	4.8	5.8
PCSPP01-18	2.6	3.6	4.5	4.9	5.9
PCSPP01-19	3.9	6.2	7.1	7.4	8.4
PCSPP01-2	0.0	3.5	4.3	4.7	5.8
PCSPP01-20	0.2	5.5	7.4	7.9	8.7
PCSPP01-21	1.1	6.2	7.9	8.4	9.3
PCSPP01-22	1.1	6.3	7.9	8.4	9.3
PCSPP01-23	1.1	6.9	8.7	9.4	10.7
PCSPP01-3	0.0	3.5	4.4	4.8	5.8
PCSPP01-4	0.0	3.6	4.4	4.8	5.8
PCSPP01-5	0.0	3.6	4.5	4.9	5.9
PCSPP01-6	0.0	3.6	4.5	4.9	5.9
PCSPP01-7	0.0	5.4	7.4	7.9	8.7
PCSPP01-8	0.0	5.5	7.4	7.9	8.7
PCSPP01-9	0.0	5.8	7.5	8.0	8.7
PCSPP01-OUT	3.0	3.0	3.0	3.0	3.0
<b>SPP - PCT Creek - Major Basin 2</b>					
PCSPP02-1	3.0	3.0	3.0	3.0	3.4
PCSPP02-2	3.0	3.0	3.6	3.8	4.2
PCSPP02-3	3.0	3.2	3.9	4.1	4.5
PCSPP02-4	3.0	4.1	5.6	6.1	6.8
PCSPP02-5	3.0	7.8	8.7	9.0	9.5
PCSPP02-OUT	3.0	3.0	3.0	3.0	3.0
<b>Chaplan - Broad Creek Outfall - Major Basin 1</b>					
BRCHP01-1	3.0	3.8	3.8	3.8	3.9
BRCHP01-10	4.3	7.8	8.5	8.7	9.2
BRCHP01-11	4.4	8.0	8.7	9.0	9.6
BRCHP01-12	5.1	8.1	8.8	9.1	9.7
BRCHP01-13	5.2	8.6	9.3	9.5	9.9
BRCHP01-14	5.8	8.6	9.4	9.6	10.1
BRCHP01-15	5.8	8.7	9.6	9.8	10.4
BRCHP01-16	5.8	9.0	9.9	10.2	10.8
BRCHP01-2	3.0	3.9	3.9	3.9	3.9
BRCHP01-3	3.0	4.9	4.9	4.9	5.0
BRCHP01-4	3.0	5.0	5.0	5.1	5.1
BRCHP01-5	3.0	5.8	6.4	6.6	6.8
BRCHP01-6	3.0	5.8	6.4	6.6	6.8
BRCHP01-7	3.0	6.3	7.3	7.4	7.6
BRCHP01-8	4.1	6.7	7.6	7.9	8.3
BRCHP01-9	4.2	7.8	8.5	8.7	9.2
BRCHP01-OUT	3.0	3.0	3.0	3.0	3.0
BRCHP01-OUT1	5.0	5.0	5.0	5.0	5.0
<b>Indigo Run - Broad Creek - Major Basin 1</b>					
BRIRP01-1	3.0	5.5	6.6	6.9	7.3
BRIRP01-10	9.1	11.3	12.4	12.9	13.7
BRIRP01-11	9.4	11.2	12.4	12.8	13.7
BRIRP01-12	9.4	11.2	12.4	12.8	13.7
BRIRP01-1A	7.1	7.1	7.2	7.4	7.7
BRIRP01-2	7.1	7.1	8.0	8.3	8.8
BRIRP01-2A	7.1	7.4	8.7	9.2	9.9
BRIRP01-3	9.1	10.3	11.1	11.8	12.9
BRIRP01-4	9.1	10.4	11.3	11.9	13.1
BRIRP01-5	9.1	11.1	12.2	12.3	13.1
BRIRP01-6	9.1	11.2	12.3	12.6	13.2
BRIRP01-7	9.1	11.2	12.3	12.6	13.2
BRIRP01-8	9.1	11.3	12.4	12.9	13.7
BRIRP01-9	9.1	11.3	12.4	12.9	13.7
BRIRP01-OUT	3	3.0	3.0	3.0	3.0

TABLE M-9  
 NODE PEAK WATER SURFACE ELEVATIONS  
 HILTON HEAD ISLAND WATERSHED  
 EXISTING LAND USE

	Initial Elevation	Existing Land Use			
		2-Year	10-Year	25-Year	100-Year
<b>Indigo Run - Broad Creek - Major Basin 2</b>					
BRIRP02-1	3.0	3.0	3.0	3.0	3.0
BRIRP02-2	3.0	5.5	7.9	9.0	10.0
BRIRP02-2A	3.0	6.0	8.6	9.6	11.1
BRIRP02-3	8.7	9.8	10.1	10.2	10.2
BRIRP02-4	9.0	9.9	10.2	10.3	10.4
BRIRP02-5	3.0	8.5	11.2	12.1	13.4
BRIRP02-6	3.0	9.6	11.5	12.2	13.7
BRIRP02-7	3.0	10.0	12.3	13.1	14.2
BRIRP02-OUT	3.0	3.0	3.0	3.0	3.0
<b>Airport - Fish Haul Creek - Major Basin 1</b>					
FHAIR01-3	3.0	6.4	7.2	7.5	8.1
FHAIR01-4	3.0	6.8	8.1	8.6	9.5
FHAIR01-OUT	3.0	3.0	3.0	3.0	3.0
<b>Gum Tree- Jarvis Creek - Major Basin 1</b>					
JVGUM01-1	3.0	4.6	5.5	5.8	6.6
JVGUM01-2	3.0	4.8	5.8	6.1	6.6
JVGUM01-OUT	3.0	3.0	3.0	3.0	3.0
<b>HHP- Jarvis Creek - Major Basin 1</b>					
JVHHP01-13	6.1	7.7	8.9	9.4	10.2
JVHHP01-14	6.1	8.0	9.3	9.7	10.3
JVHHP01-15	6.1	8.5	9.7	9.9	10.4
JVHHP01-16	6.1	8.6	10.0	10.2	10.7
JVHHP01-17	8.9	10.1	11.6	12.2	12.6
JVHHP01-18	8.9	8.9	9.5	10.1	11.0
JVHHP01-19	4.6	8.5	9.7	9.9	10.4
JVHHP01-19A	8.0	8.5	9.7	9.9	10.4
JVHHP01-20	10.6	11.5	11.6	11.6	11.6
JVHHP01-21	10.7	12.8	13.0	13.1	13.2
JVHHP01-22	10.7	15.6	16.4	16.7	17.2
JVHHP01-23	13.1	17.0	17.8	18.0	18.1
JVHHP01-24	14.1	15.8	16.2	16.2	16.4
JVHHP01-25	10.7	17.8	19.8	20.6	22.4
JVHHP01-26	11.4	11.4	11.4	11.4	11.4
JVHHP01-6	-0.9	3.6	3.8	4.2	6.3
JVHHP01-6A	10.0	10.8	10.9	11.0	11.1
JVHHP01-7	-0.4	4.2	5.7	6.4	8.3
JVHHP01-OUT1	3.6	3.6	3.6	3.6	3.6
JVHHP01-OUT2	10.0	10.0	10.0	10.0	10.0
<b>Indigo Run - Jarvis Creek - Major Basin 1</b>					
JVIRP01-1	3.0	4.3	6.2	6.9	8.4
JVIRP01-2	5.2	5.5	6.4	7.1	8.5
JVIRP01-3	5.2	5.5	6.6	7.2	8.5
JVIRP01-4	3.2	5.3	6.4	7.1	8.5
JVIRP01-OUT	3.0	3.0	3.0	3.0	3.0
<b>Spanish Wells - Old HouseCreek - Major Basin 1</b>					
OHSPW01-1	5.4	6.1	6.7	6.9	7.7
OHSPW01-2	5.9	6.7	7.4	7.8	8.9
OHSPW01-2A	7.0	8.9	9.7	10.0	10.8
OHSPW01-3	9.5	10.1	11.9	13.9	15.1
OHSPW01-3A	10.4	11.1	12.8	13.9	15.1
OHSPW01-4	9.5	11.6	13.7	14.0	15.1
OHSPW01-5	9.5	13.1	14.0	14.2	15.1
OHSPW01-6	9.5	12.8	13.9	14.3	15.1
OHSPW01-OUT	3.0	3.0	3.0	3.0	3.0
<b>HHP - Park Creek - Major Basin 1</b>					
PAHHP01-1	5.6	7.1	7.9	8.2	8.8
PAHHP01-1A	5.6	7.6	8.5	8.7	9.0
PAHHP01-2	5.6	7.8	9.2	9.6	10.2
PAHHP01-3	5.6	10.2	12.3	13.0	15.5
PAHHP01-4	10.8	12.9	14.3	15.0	15.8
PAHHP01-5	10.8	12.9	14.3	15.0	15.8
PAHHP01-6	10.8	12.9	14.5	15.1	15.9
PAHHP01-7	5.6	9.1	10.2	10.4	11.2
PAHHP01-8	5.7	7.5	8.4	8.7	9.1
PAHHP01-OUT	3.0	3.0	3.0	3.0	3.0

TABLE M-9  
 NODE PEAK WATER SURFACE ELEVATIONS  
 HILTON HEAD ISLAND WATERSHED  
 EXISTING LAND USE

	Initial Elevation	Existing Land Use			
		2-Year	10-Year	25-Year	100-Year
<b>HHP - Port Royal Sound - Major Basin 1</b>					
PRHHP01-1	4.5	8.2	9.2	9.7	11.1
PRHHP01-10	8.6	9.8	12.2	12.6	13.0
PRHHP01-11	8.6	9.7	11.4	12.4	13.0
PRHHP01-12	8.7	10.7	12.6	12.7	13.0
PRHHP01-12A	12.4	12.9	13.2	13.3	13.6
PRHHP01-2	4.5	8.4	9.5	10.0	11.4
PRHHP01-3	4.5	8.4	9.5	10.0	11.4
PRHHP01-4	4.5	8.4	9.5	10.0	11.4
PRHHP01-5	4.5	8.4	9.5	10.0	11.4
PRHHP01-6	4.5	8.4	9.5	10.0	11.4
PRHHP01-7	4.5	8.4	9.5	10.0	11.4
PRHHP01-8	7.1	9.0	10.6	12.0	12.9
PRHHP01-8A	7.1	9.0	12.0	12.2	12.9
PRHHP01-9	7.1	10.6	12.5	12.6	13.0
PRHHP01-OUT	3.0	3.0	3.0	3.0	3.0
PRHHP02-1	10.4	11.3	12.1	12.3	13.2
PRHHP02-2	10.4	11.5	13.4	14.1	14.6
PRHHP02-3	10.4	15.2	15.7	15.9	16.4
PRHHP02-5	7.3	8.6	8.9	8.9	9.0
PRHHP02-6	7.9	8.9	9.2	9.2	9.3
PRHHP02-7	8.7	12.3	14.3	14.7	15.8
PRHHP02-OUT	3.0	3.0	3.0	3.0	3.0
<b>Palmetto Hall - Port Royal Sound - Major Basin 1</b>					
PRPHP01-1	5.9	5.9	5.9	5.9	5.9
PRPHP01-10	11.1	14.1	15.0	15.6	16.5
PRPHP01-11	13.1	14.7	16.1	16.2	16.6
PRPHP01-12	11.1	14.1	15.0	15.6	16.6
PRPHP01-13	8.1	8.9	10.0	11.6	13.4
PRPHP01-14	8.1	10.4	11.6	12.4	13.8
PRPHP01-15	8.1	12.3	14.1	14.8	15.5
PRPHP01-15A	8.1	11.7	13.0	13.5	14.2
PRPHP01-16	11.1	17.0	17.9	18.9	20.9
PRPHP01-17	11.1	16.3	17.9	18.9	20.9
PRPHP01-18	11.1	15.7	17.9	18.9	20.9
PRPHP01-2	5.9	7.6	8.0	8.1	8.6
PRPHP01-3	5.9	7.7	8.2	8.3	8.9
PRPHP01-4	9.0	9.0	9.0	9.0	9.0
PRPHP01-4A	9.0	9.0	9.0	9.0	9.6
PRPHP01-4B	9.0	9.0	9.0	9.0	9.5
PRPHP01-4C	3.0	8.7	9.3	9.7	10.2
PRPHP01-4D	9.0	9.0	9.1	10.1	11.4
PRPHP01-5	8.1	9.7	12.3	13.2	13.5
PRPHP01-6	9.1	11.1	13.8	14.1	14.6
PRPHP01-7	9.1	11.4	13.8	14.1	14.7
PRPHP01-8	9.1	13.5	15.0	15.5	16.5
PRPHP01-9	9.1	14.1	15.0	15.6	16.5
PRPHP01-OUT	3.0	3.0	3.0	3.0	3.0
<b>Gum Tree - Skull Creek - Major Basin 1</b>					
SKGUM01-1	3.0	5.1	5.8	6.0	6.4
SKGUM01-10	3.0	6.6	7.8	8.1	8.6
SKGUM01-11	3.0	6.7	8.2	8.5	9.1
SKGUM01-12	3.0	6.8	8.2	8.5	9.1
SKGUM01-13	3.0	6.9	8.3	8.6	9.2
SKGUM01-14	3.0	7.2	8.9	9.2	9.8
SKGUM01-15	4.7	7.2	8.9	9.3	9.8
SKGUM01-16	5.0	7.2	8.9	9.3	9.8
SKGUM01-17	6.1	7.2	8.9	9.3	9.8
SKGUM01-18	6.4	7.2	8.9	9.3	9.8
SKGUM01-19	6.4	7.2	8.9	9.3	9.8
SKGUM01-1A	3.0	5.1	5.7	5.9	6.1
SKGUM01-2	3.0	5.1	5.8	6.0	6.4
SKGUM01-3	3.0	5.1	5.8	6.1	6.6
SKGUM01-4	3.0	5.1	5.9	6.2	6.6
SKGUM01-4A	3.0	5.1	5.9	6.3	6.7
SKGUM01-5	3.0	5.3	6.2	6.4	6.9
SKGUM01-6	3.0	5.4	6.3	6.6	7.1
SKGUM01-7	3.0	5.8	7.0	7.3	7.9
SKGUM01-9	3.0	6.2	7.4	7.7	8.2
SKGUM01-9A	3.0	6.5	7.7	8.0	8.5
SKGUM01-OUT	5.1	5.1	5.1	5.1	5.1

TABLE M-9  
 NODE PEAK WATER SURFACE ELEVATIONS  
 HILTON HEAD ISLAND WATERSHED  
 EXISTING LAND USE

	Initial Elevation	Existing Land Use			
		2-Year	10-Year	25-Year	100-Year
<b>HHP - Skull Creek - Major Basin 1</b>					
SKHHP01-1	3.8	9.1	10.7	11.6	12.5
SKHHP01-1A	5.1	9.7	11.8	13.2	14.4
SKHHP01-2	5.1	9.9	12.6	13.3	14.4
SKHHP01-3	7.1	10.8	12.6	13.3	14.4
SKHHP01-4	7.1	11.3	13.2	13.4	14.5
SKHHP01-5	7.1	9.7	11.5	12.3	13.7
SKHHP01-OUT	3.0	3.0	3.0	3.0	3.0
<b>HHP - Skull Creek - Major Basin 2</b>					
SKHHP02-1	3.6	4.0	4.2	4.2	4.3
SKHHP02-1A	7.1	8.7	10.0	10.6	12.5
SKHHP02-2	7.1	9.5	11.6	12.1	12.5
SKHHP02-3	7.1	9.5	12.0	12.6	12.9
SKHHP02-4	7.8	9.5	12.0	12.6	12.9
SKHHP02-OUT	3.0	3.0	3.0	3.0	3.0

TABLE M-10  
 NODE PEAK WATER SURFACE ELEVATIONS  
 HILTON HEAD ISLAND WATERSHED  
 FUTURE LAND USE

ICPR Node ID	Initial Elevation (ft)	Future Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
<b>SPP - Baynard Cove - Major Basin 1</b>					
BASP01-1	1.9	3.0	4.0	4.4	5.7
BASP01-10	1.9	2.8	3.9	4.4	6.3
BASP01-11	1.9	2.5	3.4	3.8	5.5
BASP01-12	1.9	2.5	3.4	3.8	5.5
BASP01-13	1.9	2.5	3.4	3.8	5.5
BASP01-14	1.9	2.4	3.3	3.7	4.9
BASP01-15	1.9	2.4	3.3	3.7	4.9
BASP01-16	1.9	2.4	3.3	3.7	4.9
BASP01-22	1.9	2.4	3.3	3.6	4.8
BASP01-23	1.9	2.4	3.3	3.6	4.8
BASP01-24	1.9	2.5	3.2	3.6	4.8
BASP01-25	1.9	2.4	3.2	3.6	4.8
BASP01-26	1.9	2.4	3.2	3.6	4.8
BASP01-27	1.9	2.4	3.2	3.6	4.8
BASP01-28	1.9	2.4	3.2	3.6	4.8
BASP01-29	1.9	2.4	3.2	3.6	4.8
BASP01-3	1.9	3.0	4.0	4.4	5.7
BASP01-30	1.9	2.4	3.2	3.6	4.8
BASP01-31	1.9	2.4	3.2	3.6	4.8
BASP01-32	1.9	2.4	3.2	3.6	4.8
BASP01-33	1.9	2.4	3.2	3.6	4.8
BASP01-34	1.9	2.4	3.2	3.6	4.8
BASP01-35	1.9	3.1	4.4	4.9	6.6
BASP01-37	1.9	3.1	4.4	5.0	6.6
BASP01-38	1.9	3.1	4.5	5.2	6.7
BASP01-39	1.9	3.1	4.5	5.2	6.7
BASP01-4	1.9	3.1	4.3	4.9	6.6
BASP01-40	1.9	3.1	4.5	5.2	6.7
BASP01-41	1.9	3.1	4.5	5.2	6.7
BASP01-43	1.9	3.1	4.6	5.2	6.7
BASP01-44	1.9	3.2	5.0	5.6	6.7
BASP01-46	1.9	2.4	3.3	3.6	4.8
BASP01-47	1.9	2.4	3.3	3.6	4.8
BASP01-48	1.9	2.4	3.3	3.6	4.8
BASP01-5	1.9	3.1	4.3	4.9	6.6
BASP01-52	1.9	2.4	3.3	3.6	4.8
BASP01-53	1.9	2.4	3.3	3.6	4.8
BASP01-54	1.9	2.4	3.3	3.6	4.8
BASP01-55	1.9	2.4	3.3	3.6	4.8
BASP01-56	1.9	2.4	3.3	3.6	4.8
BASP01-57	1.9	2.4	3.3	3.6	4.8
BASP01-58	1.9	2.4	3.2	3.6	4.8
BASP01-59	1.9	2.4	3.2	3.6	4.8
BASP01-59A	1.9	2.4	3.2	3.6	4.8
BASP01-6	1.9	3.0	4.3	4.8	6.6
BASP01-60	1.9	2.4	3.2	3.6	4.8
BASP01-61	1.9	2.4	3.2	3.6	4.8
BASP01-62	1.9	2.4	3.2	3.6	4.8
BASP01-63	1.9	2.4	3.3	3.6	4.8
BASP01-64	1.9	2.4	3.3	3.6	4.8
BASP01-65	1.9	2.4	3.3	3.6	4.8
BASP01-66	1.9	2.5	3.3	3.6	4.8
BASP01-7	1.9	3.0	4.3	4.8	6.6
BASP01-8	1.9	3.0	4.3	4.8	6.6
BASP01-OUT	3.0	3.0	3.0	3.0	3.0

TABLE M-10  
 NODE PEAK WATER SURFACE ELEVATIONS  
 HILTON HEAD ISLAND WATERSHED  
 FUTURE LAND USE

	Initial Elevation	Future Land Use			
		2-Year	10-Year	25-Year	100-Year
<b>SPP - Baynard Cove - Major Basin 2</b>					
BASP02-1	3.3	3.6	3.9	4.0	4.2
BASP02-10	3.3	3.8	4.9	5.4	7.0
BASP02-11	3.3	4.3	5.8	6.3	7.2
BASP02-12	3.3	4.3	5.8	6.3	7.2
BASP02-13	3.3	4.5	5.8	6.3	7.2
BASP02-15	3.3	4.5	5.7	6.1	7.1
BASP02-16	3.3	4.5	5.7	6.1	7.1
BASP02-17	3.3	4.3	5.3	5.8	7.1
BASP02-18	3.3	4.3	5.4	5.8	7.1
BASP02-2	3.3	3.7	4.2	4.4	5.5
BASP02-3	3.3	3.7	4.2	4.4	5.5
BASP02-4	3.3	3.7	4.3	4.5	5.6
BASP02-5	3.3	3.8	4.7	5.1	6.7
BASP02-6	3.3	3.8	4.7	5.2	6.7
BASP02-7	3.3	3.8	4.7	5.2	6.7
BASP02-8	3.3	3.8	4.9	5.4	7.0
BASP02-9	3.3	3.8	4.9	5.4	7.0
BASP02-OUT	3.0	3.0	3.0	3.0	3.0
<b>SPP - Baynard Cove - Major Basin 3</b>					
BASP03-10	3.3	4.1	5.8	6.3	7.2
BASP03-11	3.3	4.1	5.8	6.3	7.2
BASP03-12	3.3	4.1	5.7	6.2	7.2
BASP03-13	3.3	4.1	5.7	6.2	7.2
BASP03-14	3.3	4.1	5.6	6.2	7.2
BASP03-15	3.3	4.1	5.6	6.2	7.2
BASP03-16	3.3	4.1	5.6	6.1	6.8
BASP03-18	3.3	4.1	5.6	6.1	6.8
BASP03-2	3.3	4.0	5.6	6.1	7.2
BASP03-4	3.3	4.1	5.8	6.3	7.2
BASP03-5	3.3	4.1	5.8	6.3	7.2
BASP03-6	3.3	4.1	5.8	6.3	7.2
BASP03-8	3.3	4.1	5.8	6.3	7.2
BASP03-9	3.3	4.1	5.8	6.3	7.2
BASP03-OUT	3.0	3.0	3.0	3.0	3.0
<b>SPP - Braddack Cove - Major Basin 2</b>					
BCSP01-1	2.1	3.2	4.3	4.7	5.5
BCSP01-2	2.1	3.6	5.0	5.5	6.4
BCSP01-3	2.1	4.4	6.4	7.1	8.2
BCSP01-OUT	3.0	3.0	3.0	3.0	3.0
<b>LCC - Broad Creek - Major Basin 2</b>					
BRLCC01-1	3.0	4.2	4.9	5.2	5.7
BRLCC01-10	3.0	4.1	4.8	5.0	5.6
BRLCC01-11	3.0	4.1	4.8	5.1	5.7
BRLCC01-12	3.0	4.2	4.9	5.2	6.0
BRLCC01-13	1.5	2.9	4.3	4.8	5.6
BRLCC01-14	1.5	2.9	4.3	4.8	5.6
BRLCC01-15	1.5	2.9	4.3	4.8	5.6
BRLCC01-2	3.0	5.1	6.1	6.4	7.1
BRLCC01-3	3.0	4.7	5.8	6.3	7.1
BRLCC01-4	3.6	4.9	6.3	6.7	7.3
BRLCC01-5	3.6	5.0	6.5	6.9	7.7
BRLCC01-6	3.6	5.0	6.4	6.9	7.6
BRLCC01-7	3.0	5.0	6.4	6.9	7.6
BRLCC01-8	3.0	4.3	5.3	5.6	6.3
BRLCC01-9	3.0	4.1	4.8	5.0	5.5
BRLCC01-OUT	3.0	3.0	3.0	3.0	3.0



TABLE M-10  
 NODE PEAK WATER SURFACE ELEVATIONS  
 HILTON HEAD ISLAND WATERSHED  
 FUTURE LAND USE

	Initial Elevation	Future Land Use			
		2-Year	10-Year	25-Year	100-Year
<b>LCC - Broad Creek - Major Basin 3</b>					
BRLCC02-1	3.0	3.0	3.0	3.0	3.2
BRLCC02-OUT	3.0	3.0	3.0	3.0	3.0
<b>PCT - Broad Creek - Major Basin 2</b>					
BRPCT01-2	3.1	4.4	5.2	5.5	6.1
BRPCT01-3	3.1	4.5	5.2	5.5	6.1
BRPCT01-4	3.1	4.5	5.3	5.6	6.1
BRPCT01-5	3.1	4.5	5.3	5.6	6.2
BRPCT01-6	3.1	4.5	5.3	5.6	6.2
BRPCT01-7	3.1	4.5	6.0	6.5	7.4
BRPCT01-8	3.1	4.8	6.6	7.3	8.1
BRPCT01-OUT	3.0	3.0	3.0	3.0	3.0
<b>PCT - Broad Creek - Major Basin 3</b>					
BRPCT02-1	4.1	4.5	4.6	4.6	4.7
BRPCT02-2	4.1	4.6	4.8	4.9	5.1
BRPCT02-3	4.1	4.7	5.0	5.1	5.4
BRPCT02-4	4.1	4.8	5.2	5.4	5.8
BRPCT02-5	4.1	5.0	5.4	5.7	6.3
BRPCT02-6	4.1	5.1	5.6	5.9	6.4
BRPCT02-7	4.1	5.2	5.9	6.2	6.6
BRPCT02-OUT	3.0	3.0	3.0	3.0	3.0
<b>PDP - Broad Creek - Major Basin 2</b>					
BRPDP01-1	1.0	1.1	1.6	1.8	2.5
BRPDP01-10	1.0	1.1	1.7	1.9	2.8
BRPDP01-101	1.0	1.1	1.7	1.9	2.8
BRPDP01-102	1.0	1.1	1.7	1.9	2.9
BRPDP01-103	1.0	1.1	1.7	1.9	2.9
BRPDP01-104	1.0	1.1	1.7	1.9	2.9
BRPDP01-105	1.0	1.1	1.7	1.9	2.9
BRPDP01-106	1.0	1.1	1.7	1.9	2.8
BRPDP01-13	1.0	1.1	1.7	1.9	2.9
BRPDP01-14	1.0	1.1	1.7	1.9	2.9
BRPDP01-15	1.0	1.1	1.7	1.9	2.9
BRPDP01-16	1.0	1.1	1.7	1.9	2.9
BRPDP01-17	1.0	1.1	1.7	1.9	2.9
BRPDP01-18	1.0	1.1	1.7	1.9	2.9
BRPDP01-19	1.0	1.1	1.7	1.9	2.9
BRPDP01-1A	1.0	1.1	1.6	1.8	2.5
BRPDP01-2	1.0	1.1	1.6	1.8	2.5
BRPDP01-20	1.0	1.1	1.7	1.9	2.9
BRPDP01-21	1.0	1.1	1.7	1.9	2.9
BRPDP01-22	1.0	1.1	1.7	1.9	2.9
BRPDP01-23	1.0	1.1	1.7	1.9	2.9
BRPDP01-25	1.0	1.1	1.6	1.8	2.5
BRPDP01-26	1.0	1.1	1.6	1.8	2.5
BRPDP01-27	1.0	1.1	1.6	1.8	2.7
BRPDP01-28	1.0	1.1	1.7	1.9	2.9
BRPDP01-29	1.0	1.1	1.7	1.9	3.0
BRPDP01-3	1.0	1.1	1.6	1.8	2.6
BRPDP01-30	1.0	1.1	1.7	1.9	3.0
BRPDP01-31	1.0	1.1	1.7	1.9	3.0
BRPDP01-32	1.0	1.1	1.7	1.9	3.0
BRPDP01-33	1.0	1.1	1.7	1.9	3.0
BRPDP01-34	1.0	1.1	1.7	1.9	3.0
BRPDP01-34A	1.0	1.1	1.7	1.9	3.0
BRPDP01-35	1.0	1.1	1.7	1.9	3.0
BRPDP01-36	1.0	1.1	1.7	1.9	3.0
BRPDP01-37	1.0	1.1	1.7	1.9	3.0
BRPDP01-38	1.0	1.1	1.7	1.9	3.0

TABLE M-10  
 NODE PEAK WATER SURFACE ELEVATIONS  
 HILTON HEAD ISLAND WATERSHED  
 FUTURE LAND USE

	Initial Elevation	Future Land Use			
		2-Year	10-Year	25-Year	100-Year
BRPDP01-39	1.0	1.1	1.7	1.9	3.0
BRPDP01-4	1.0	1.1	1.6	1.8	2.7
BRPDP01-40	1.0	1.1	1.7	1.9	3.0
BRPDP01-41	1.0	1.1	1.7	1.9	3.0
BRPDP01-42	1.0	1.1	1.7	1.9	3.0
BRPDP01-43	1.0	1.1	1.7	1.9	3.0
BRPDP01-44	1.0	1.1	1.7	1.9	3.0
BRPDP01-45	1.0	1.1	1.7	1.9	3.0
BRPDP01-47	1.0	1.1	1.7	1.9	2.9
BRPDP01-49	1.0	1.1	1.7	1.9	2.9
BRPDP01-5	1.0	1.1	1.6	1.8	2.7
BRPDP01-51	1.0	1.1	1.7	1.9	2.9
BRPDP01-52	1.0	1.1	1.7	1.9	2.9
BRPDP01-53	1.0	1.1	1.7	1.9	2.9
BRPDP01-54	1.0	1.1	1.7	1.9	3.0
BRPDP01-55	1.0	1.1	1.7	1.9	3.0
BRPDP01-56	1.0	1.1	1.7	1.9	3.0
BRPDP01-57	1.0	1.1	1.7	1.9	3.0
BRPDP01-58	1.0	1.1	1.7	1.9	3.0
BRPDP01-59	1.0	1.1	1.7	1.9	3.0
BRPDP01-6	1.0	1.1	1.6	1.8	2.8
BRPDP01-60	1.0	1.1	1.7	1.9	3.0
BRPDP01-61	1.0	1.1	1.7	1.9	3.0
BRPDP01-62	1.0	1.1	1.7	1.9	3.0
BRPDP01-63	1.0	1.1	1.7	1.9	3.0
BRPDP01-64	1.0	1.1	1.7	1.9	3.0
BRPDP01-65	1.0	1.1	1.7	1.9	3.0
BRPDP01-66	1.0	1.1	1.7	1.9	3.0
BRPDP01-67	1.0	1.1	1.7	1.9	3.0
BRPDP01-68	1.0	1.1	1.7	1.9	3.0
BRPDP01-69	1.0	1.1	1.7	1.9	3.0
BRPDP01-7	1.0	1.1	1.6	1.8	2.8
BRPDP01-70	1.0	1.1	1.7	1.9	3.0
BRPDP01-71	1.0	1.1	1.7	1.9	3.0
BRPDP01-72	1.0	1.1	1.7	1.9	3.0
BRPDP01-73	1.0	1.1	1.7	1.9	3.0
BRPDP01-74	1.0	1.1	1.7	1.9	3.0
BRPDP01-75	1.0	1.1	1.7	1.9	3.0
BRPDP01-8	1.0	1.1	1.7	1.9	2.8
BRPDP01-80	1.0	1.1	1.6	1.9	2.8
BRPDP01-81	1.0	1.1	1.7	1.9	2.9
BRPDP01-82	1.0	1.1	1.7	1.9	2.9
BRPDP01-83	1.0	1.1	1.7	1.9	2.9
BRPDP01-9	1.0	1.1	1.7	1.9	2.8
BRPDP01-90	1.0	1.1	1.6	1.8	2.3
BRPDP01-91	1.0	1.1	1.6	1.8	2.3
BRPDP01-92	1.0	1.1	1.6	1.8	2.3
BRPDP01-93	1.0	1.1	1.6	1.9	2.8
BRPDP01-OUTA	3.0	3.0	3.0	3.0	3.0
BRPDP01-OUTB	3.0	3.0	3.0	3.0	3.0

TABLE M-10  
 NODE PEAK WATER SURFACE ELEVATIONS  
 HILTON HEAD ISLAND WATERSHED  
 FUTURE LAND USE

	Initial Elevation	Future Land Use			
		2-Year	10-Year	25-Year	100-Year
<b>PRP - Broad Creek - Major Basin 2</b>					
BRPRP01-1	1.7	3.0	3.0	3.0	3.1
BRPRP01-11	1.7	3.4	4.6	5.1	7.3
BRPRP01-12	1.7	3.5	4.7	5.3	7.4
BRPRP01-13	1.7	3.5	4.8	5.3	7.4
BRPRP01-14	1.7	3.5	4.8	5.3	7.5
BRPRP01-14A	1.7	3.5	4.8	5.3	7.5
BRPRP01-15	1.7	3.5	4.8	5.4	7.6
BRPRP01-2	1.7	3.0	3.2	3.4	4.5
BRPRP01-20	1.7	3.5	4.8	5.4	7.6
BRPRP01-21	2.6	3.5	4.8	5.4	7.5
BRPRP01-22	2.5	3.5	4.8	5.4	7.5
BRPRP01-23	2.5	3.5	4.8	5.4	7.5
BRPRP01-23A	2.5	3.5	4.8	5.4	7.5
BRPRP01-24	2.5	3.5	4.8	5.5	7.5
BRPRP01-25	2.5	3.4	4.8	5.5	7.4
BRPRP01-26	2.5	3.3	4.9	5.5	7.4
BRPRP01-27	2.5	3.3	4.9	5.5	7.4
BRPRP01-28	2.5	3.3	4.9	5.5	7.4
BRPRP01-29	2.5	3.3	4.9	5.5	7.4
BRPRP01-3	1.7	3.0	3.7	4.0	5.5
BRPRP01-30	2.5	3.3	4.9	5.5	7.5
BRPRP01-31	2.5	3.3	4.9	5.5	7.5
BRPRP01-32	2.5	3.3	4.9	5.5	7.5
BRPRP01-32A	2.5	3.3	4.9	5.5	7.5
BRPRP01-33	2.5	3.3	4.9	5.5	7.5
BRPRP01-34	2.5	3.3	4.9	5.5	7.5
BRPRP01-36	5.1	5.1	5.1	5.5	7.5
BRPRP01-37	6.1	6.3	6.6	6.8	7.9
BRPRP01-4	1.7	3.2	4.1	4.5	6.1
BRPRP01-40	2.5	3.3	4.9	5.5	7.4
BRPRP01-41	2.5	3.3	4.9	5.5	7.4
BRPRP01-42	2.5	3.3	4.9	5.5	7.4
BRPRP01-43	2.5	3.3	4.9	5.5	7.5
BRPRP01-44	2.5	3.3	4.9	5.5	7.5
BRPRP01-46	2.5	3.3	4.9	5.5	7.7
BRPRP01-47	4.1	4.1	4.9	5.5	7.7
BRPRP01-5	1.7	3.3	4.2	4.6	6.3
BRPRP01-6	1.7	3.5	4.5	4.9	6.5
BRPRP01-61	2.5	3.5	4.8	5.4	7.5
BRPRP01-62	2.5	3.5	4.8	5.4	7.6
BRPRP01-66	2.9	3.9	4.9	5.4	7.5
BRPRP01-67	3.0	3.9	4.9	5.5	7.6
BRPRP01-7	1.7	3.5	4.5	4.9	6.6
BRPRP01-8	1.7	3.5	4.5	4.9	7.0
BRPRP01-9	1.7	3.4	4.6	5.1	7.3
BRPRP01-OUT	3.0	3.0	3.0	3.0	3.0
<b>WEX - Broad Creek - Major Basin 2</b>					
BRWEX01-1	-2.9	0.6	0.6	1.1	1.1
BRWEX01-10	0.1	3.0	4.6	5.0	5.8
BRWEX01-11	0.1	3.0	4.6	5.0	5.9
BRWEX01-12	0.1	3.0	4.6	5.0	5.9
BRWEX01-13	0.1	3.0	4.6	5.1	5.9
BRWEX01-14	0.1	3.0	4.6	5.1	5.9
BRWEX01-15	0.1	3.0	4.6	5.1	5.9
BRWEX01-16	0.1	3.0	4.7	5.1	5.9
BRWEX01-17	0.1	3.0	4.7	5.1	5.9
BRWEX01-17A	0.1	3.1	4.8	5.3	6.1
BRWEX01-18	0.9	3.3	5.0	5.4	6.2
BRWEX01-19	1.1	3.6	5.2	5.7	6.6

TABLE M-10  
 NODE PEAK WATER SURFACE ELEVATIONS  
 HILTON HEAD ISLAND WATERSHED  
 FUTURE LAND USE

	Initial Elevation	Future Land Use			
		2-Year	10-Year	25-Year	100-Year
BRWEX01-2	0.1	2.9	4.4	4.8	5.6
BRWEX01-20	1.1	3.6	5.3	5.8	6.6
BRWEX01-21	1.1	3.7	5.3	5.8	6.6
BRWEX01-22	1.1	3.7	5.3	5.8	6.6
BRWEX01-23	1.1	3.7	5.3	5.8	6.6
BRWEX01-24	1.1	3.7	5.3	5.8	6.6
BRWEX01-25	1.1	3.7	5.3	5.8	6.6
BRWEX01-26	1.1	4.0	5.5	5.9	6.7
BRWEX01-27	1.1	4.2	5.5	5.9	6.8
BRWEX01-28	1.1	4.2	5.5	5.9	6.8
BRWEX01-29	1.1	3.6	5.2	5.8	6.8
BRWEX01-3	0.1	2.9	4.4	4.8	5.6
BRWEX01-30	1.1	3.6	5.1	5.8	6.8
BRWEX01-31	1.1	3.6	5.1	5.8	6.8
BRWEX01-32	1.8	3.6	5.1	5.8	6.8
BRWEX01-33	3.0	3.6	5.1	5.8	6.8
BRWEX01-34	3.1	4.0	4.8	5.7	6.8
BRWEX01-35	3.1	4.1	4.4	5.7	6.7
BRWEX01-36	3.1	4.1	4.4	5.7	6.7
BRWEX01-37	3.1	4.1	4.4	5.6	6.7
BRWEX01-38	3.1	4.1	4.4	5.6	6.7
BRWEX01-39	3.1	4.1	4.4	5.6	6.7
BRWEX01-4	0.1	2.9	4.4	4.8	5.6
BRWEX01-41	3.1	4.1	4.4	5.6	6.7
BRWEX01-42	3.1	4.1	4.4	5.6	6.7
BRWEX01-44	3.1	4.1	4.4	5.6	6.7
BRWEX01-45	3.1	4.1	4.4	5.6	6.7
BRWEX01-46	3.1	4.1	4.4	5.6	6.7
BRWEX01-47	3.1	4.1	4.4	5.6	6.7
BRWEX01-5	0.1	2.9	4.4	4.8	5.6
BRWEX01-50	1.1	3.6	5.3	5.8	6.6
BRWEX01-51	1.1	3.7	5.3	5.8	6.6
BRWEX01-52	1.1	3.7	5.3	5.8	6.6
BRWEX01-53	1.1	3.7	5.3	5.8	6.6
BRWEX01-54	3.2	4.3	5.3	5.8	6.7
BRWEX01-55	4.0	5.3	6.0	6.3	6.7
BRWEX01-6	0.1	2.9	4.4	4.8	5.6
BRWEX01-60	1.1	3.6	5.2	5.8	6.8
BRWEX01-61	1.1	3.8	5.2	5.8	6.8
BRWEX01-62	1.1	3.8	5.3	5.8	6.8
BRWEX01-63	1.1	3.9	5.4	5.9	6.9
BRWEX01-64	4.1	4.1	5.2	5.7	6.7
BRWEX01-65	4.1	4.1	5.2	5.7	6.7
BRWEX01-7	0.1	2.9	4.4	4.8	5.6
BRWEX01-70	3.1	4.1	4.4	5.6	6.7
BRWEX01-71	3.1	4.1	4.4	5.6	6.7
BRWEX01-72	3.1	4.1	4.4	5.6	6.7
BRWEX01-73	3.1	4.1	4.4	5.6	6.7
BRWEX01-74	3.1	4.1	4.4	5.6	6.7
BRWEX01-75	3.1	4.1	4.4	5.6	6.7
BRWEX01-76	3.2	4.1	4.4	5.6	6.7
BRWEX01-8	0.1	2.9	4.4	4.8	5.6
BRWEX01-80	3.1	4.1	4.4	5.6	6.7
BRWEX01-81	3.1	4.1	4.4	5.6	6.7
BRWEX01-82	3.1	4.1	4.4	5.6	6.7
BRWEX01-83	3.1	4.1	4.4	5.6	6.7
BRWEX01-84	3.1	4.1	4.4	5.6	6.7
BRWEX01-85	3.1	4.1	4.4	5.6	6.7
BRWEX01-86	3.1	4.1	4.4	5.6	6.7
BRWEX01-9	0.1	2.9	4.4	4.8	5.6
BRWEX01-OUT	3.0	3.0	3.0	3.0	3.0

TABLE M-10  
 NODE PEAK WATER SURFACE ELEVATIONS  
 HILTON HEAD ISLAND WATERSHED  
 FUTURE LAND USE

	Initial Elevation	Future Land Use			
		2-Year	10-Year	25-Year	100-Year
<b>WEX - Broad Creek - Major Basin 3</b>					
BRWEX02-1	3.3	3.7	3.9	4.0	4.3
BRWEX02-10	3.3	4.4	6.4	7.1	7.9
BRWEX02-11	3.3	4.4	6.4	7.1	7.9
BRWEX02-12	3.3	4.4	6.4	7.1	7.9
BRWEX02-2	3.3	4.1	5.1	5.4	7.2
BRWEX02-3	3.3	4.4	6.4	7.1	7.9
BRWEX02-4	3.3	4.4	6.4	7.1	7.9
BRWEX02-5	3.3	4.4	6.4	7.1	7.9
BRWEX02-6	3.3	4.4	6.4	7.1	7.9
BRWEX02-7	3.3	4.4	6.4	7.1	7.9
BRWEX02-8	3.3	4.4	6.4	7.1	7.9
BRWEX02-9	3.3	4.4	6.4	7.1	7.9
BRWEX02-OUT	3.0	3.0	3.0	3.0	3.0
<b>XNG - Broad Creek - Major Basin 2</b>					
BRXNG01-1	3.0	4.6	5.3	5.6	6.1
BRXNG01-10	3.7	5.5	6.3	6.7	7.5
BRXNG01-11	3.7	5.5	6.3	6.7	7.5
BRXNG01-12	3.7	5.5	6.4	6.7	7.5
BRXNG01-13	3.7	5.5	6.4	6.7	7.6
BRXNG01-14	3.7	5.5	6.4	6.7	7.6
BRXNG01-15	4.1	5.5	6.4	6.8	7.6
BRXNG01-1A	3.0	4.1	4.9	5.2	5.7
BRXNG01-2	3.0	4.9	5.7	6.0	6.5
BRXNG01-3	3.0	5.0	5.8	6.1	6.6
BRXNG01-3A	3.0	5.1	5.9	6.2	6.7
BRXNG01-4	3.0	5.1	5.9	6.2	6.7
BRXNG01-5	3.0	5.2	6.0	6.3	6.8
BRXNG01-6	3.0	5.2	6.0	6.3	6.8
BRXNG01-7	3.7	5.5	6.3	6.7	7.5
BRXNG01-8	3.7	5.5	6.3	6.7	7.5
BRXNG01-9	3.7	5.5	6.3	6.7	7.5
BRXNG01-OUT	3.0	3.0	3.0	3.0	3.0
<b>SPP - Calibogue Sound - Major Basin 2</b>					
CASP01-1	3.0	3.0	3.0	3.3	3.7
CASP01-2	3.0	3.0	3.7	4.1	4.8
CASP01-OUT	3.0	3.0	3.0	3.0	3.0
<b>SPP - Calibogue Sound - Major Basin 3</b>					
CASP02-1	3.0	4.8	5.5	5.8	6.1
CASP02-1A	3.0	4.1	4.7	5.0	5.6
CASP02-OUT	3.0	3.0	3.0	3.0	3.0
<b>PRP - Fish Haul Creek - Major Basin 2</b>					
FHPRP01-1	3.0	3.0	3.0	3.0	3.0
FHPRP01-10	3.0	4.7	6.5	7.2	8.2
FHPRP01-11	3.0	4.8	6.5	7.2	8.2
FHPRP01-12	3.0	4.9	6.5	7.2	8.2
FHPRP01-13	3.0	5.0	6.6	7.2	8.2
FHPRP01-14	3.0	5.1	6.6	7.2	8.2
FHPRP01-15	3.0	5.1	6.6	7.2	8.2
FHPRP01-16	3.0	5.6	6.6	7.2	8.3
FHPRP01-17	3.0	5.9	6.6	7.2	8.3
FHPRP01-18	4.1	8.5	9.7	9.9	10.5
FHPRP01-2	3.0	3.0	3.0	3.0	3.0
FHPRP01-3	3.0	3.4	4.5	4.9	6.3
FHPRP01-4	3.0	3.4	4.5	4.9	6.3
FHPRP01-5	3.0	3.4	4.5	4.9	6.3
FHPRP01-6	3.0	4.2	4.7	5.1	6.6
FHPRP01-7	3.0	4.2	4.7	5.1	6.6
FHPRP01-8	3.0	4.3	4.7	5.1	6.6
FHPRP01-9	3.0	4.7	6.5	7.2	8.2
FHPRP01-OUT	3.0	3.0	3.0	3.0	3.0

TABLE M-10  
 NODE PEAK WATER SURFACE ELEVATIONS  
 HILTON HEAD ISLAND WATERSHED  
 FUTURE LAND USE

	Initial Elevation	Future Land Use			
		2-Year	10-Year	25-Year	100-Year
<b>SPP - Lawton Canal - Major Basin 2</b>					
LCSP01-5	-0.9	0.8	1.1	1.4	2.1
LCSP01-1	-0.9	1.6	2.2	2.4	2.7
LCSP01-10	-0.9	1.8	2.7	3.2	4.0
LCSP01-11	-0.9	1.8	2.7	3.2	4.0
LCSP01-12	-0.9	1.8	2.7	3.2	4.0
LCSP01-13	0.0	2.1	3.2	3.5	4.3
LCSP01-14	0.0	2.1	3.2	3.5	4.3
LCSP01-15	0.0	2.1	3.2	3.6	4.4
LCSP01-16	0.0	2.1	3.2	3.6	4.4
LCSP01-17	0.0	2.1	3.2	3.6	4.4
LCSP01-18	0.0	2.1	3.2	3.6	4.4
LCSP01-19	0.0	2.1	3.2	3.6	4.4
LCSP01-2	-0.9	1.6	2.2	2.4	2.7
LCSP01-20	0.0	2.1	3.2	3.6	4.4
LCSP01-21	0.0	2.1	3.2	3.6	4.4
LCSP01-22	0.0	2.2	3.3	3.7	4.5
LCSP01-24	0.0	2.9	3.7	4.0	4.7
LCSP01-25	0.0	3.0	3.7	4.1	4.8
LCSP01-26	0.0	3.0	3.7	4.1	4.8
LCSP01-26A	0.0	3.0	3.7	4.1	4.8
LCSP01-27	0.0	3.0	3.8	4.1	4.7
LCSP01-28	0.0	3.0	3.8	4.1	4.7
LCSP01-3	-0.9	1.6	2.2	2.5	2.8
LCSP01-30	2.1	2.6	2.9	3.0	3.5
LCSP01-31	2.1	2.6	2.9	3.0	3.5
LCSP01-32	2.1	2.6	2.9	3.0	3.5
LCSP01-32A	2.1	2.6	2.9	3.0	3.5
LCSP01-33	2.1	2.7	3.2	3.4	4.2
LCSP01-34	2.1	2.7	3.2	3.4	4.2
LCSP01-36	2.1	3.0	3.8	4.1	4.7
LCSP01-37	2.1	3.0	3.8	4.1	4.7
LCSP01-38	2.1	3.0	3.8	4.1	4.7
LCSP01-39	2.1	3.0	3.8	4.1	4.7
LCSP01-3A	-0.9	1.6	2.2	2.5	2.8
LCSP01-4	-0.9	1.6	2.2	2.5	2.8
LCSP01-40	2.1	3.0	3.8	4.1	4.7
LCSP01-41	2.1	3.0	3.8	4.1	4.7
LCSP01-4A	-0.9	1.7	2.6	2.9	3.5
LCSP01-5	-0.9	1.7	2.7	3.0	3.6
LCSP01-50	1.5	2.2	2.7	2.9	3.3
LCSP01-51	1.5	2.2	2.7	2.9	3.3
LCSP01-52	1.5	2.4	2.9	3.1	3.6
LCSP01-53	1.5	2.4	2.9	3.1	3.6
LCSP01-54	1.5	2.4	2.9	3.1	3.6
LCSP01-55	1.5	2.4	2.9	3.1	3.6
LCSP01-56	1.5	2.4	2.9	3.1	3.6
LCSP01-57	1.5	2.4	3.2	3.5	4.2
LCSP01-58	1.5	2.4	3.3	3.5	4.2
LCSP01-59	1.5	2.5	3.6	3.9	4.8
LCSP01-6	-0.9	1.7	2.7	3.0	3.6
LCSP01-60	1.8	2.5	3.6	3.9	4.8
LCSP01-61	2.5	3.0	4.0	4.4	5.6
LCSP01-7	-0.9	1.7	2.7	3.0	3.6
LCSP01-70	1.5	2.4	3.0	3.3	3.7
LCSP01-71	1.5	2.4	3.1	3.3	3.7
LCSP01-72	1.5	2.5	3.2	3.5	3.9
LCSP01-73	1.5	2.5	3.5	3.8	4.4
LCSP01-74	1.5	2.6	3.5	3.8	4.4
LCSP01-75	1.5	2.6	3.7	4.1	5.1
LCSP01-76	1.5	2.6	3.7	4.1	5.1
LCSP01-77	1.9	2.7	3.8	4.1	4.8
LCSP01-78	1.9	2.7	3.8	4.2	4.8
LCSP01-8	-0.9	1.7	2.7	3.0	3.6
LCSP01-85	-0.9	1.8	2.7	3.2	4.0
LCSP01-86	-0.9	1.8	2.7	3.2	4.0
LCSP01-9	-0.9	1.7	2.7	3.0	3.6
LCSP01-OUT	3.0	3.0	3.0	3.0	3.0

TABLE M-10  
 NODE PEAK WATER SURFACE ELEVATIONS  
 HILTON HEAD ISLAND WATERSHED  
 FUTURE LAND USE

	Initial Elevation	Future Land Use			
		2-Year	10-Year	25-Year	100-Year
<b>SPP - Point Comfort Creek - Major Basin 2</b>					
PCSPP01-1	0.0	3.4	4.2	4.7	5.7
PCSPP01-10	0.2	5.9	7.5	8.0	8.8
PCSPP01-11	0.3	5.9	7.5	8.0	8.8
PCSPP01-12	0.7	6.0	7.5	8.0	8.8
PCSPP01-13	0.0	3.5	4.3	4.8	5.8
PCSPP01-14	0.0	3.5	4.4	4.8	5.8
PCSPP01-15	0.0	3.5	4.4	4.8	5.8
PCSPP01-16	0.0	3.5	4.4	4.8	5.8
PCSPP01-17	2.6	3.5	4.4	4.8	5.8
PCSPP01-18	2.6	3.7	4.5	4.9	5.9
PCSPP01-19	3.9	6.2	7.2	7.4	8.4
PCSPP01-2	0.0	3.5	4.3	4.8	5.8
PCSPP01-20	0.2	5.6	7.4	7.9	8.7
PCSPP01-21	1.1	6.2	7.9	8.4	9.3
PCSPP01-22	1.1	6.3	7.9	8.4	9.4
PCSPP01-23	1.1	6.9	8.7	9.4	10.7
PCSPP01-3	0.0	3.5	4.4	4.8	5.8
PCSPP01-4	0.0	3.6	4.4	4.9	5.9
PCSPP01-5	0.0	3.7	4.5	4.9	5.9
PCSPP01-6	0.0	3.7	4.5	4.9	5.9
PCSPP01-7	0.0	5.4	7.4	7.9	8.7
PCSPP01-8	0.0	5.6	7.4	7.9	8.7
PCSPP01-9	0.0	5.8	7.5	8.0	8.7
PCSPP01-OUT	3.0	3.0	3.0	3.0	3.0
<b>SPP - PCT Creek - Major Basin 3</b>					
PCSPP02-1	3.0	3.0	3.0	3.0	3.4
PCSPP02-2	3.0	3.0	3.6	3.8	4.2
PCSPP02-3	3.0	3.2	3.9	4.1	4.5
PCSPP02-4	3.0	4.1	5.6	6.1	6.8
PCSPP02-5	3.0	7.8	8.7	9.0	9.5
PCSPP02-OUT	3.0	3.0	3.0	3.0	3.0
<b>Chaplan - Broad Creek Outfall - Major Basin 1</b>					
BRCHP01-1	3.0	3.8	3.8	3.8	3.8
BRCHP01-10	4.3	7.8	8.5	8.7	9.2
BRCHP01-11	4.4	8.0	8.7	9.0	9.6
BRCHP01-12	5.1	8.1	8.8	9.1	9.7
BRCHP01-13	5.2	8.6	9.3	9.5	9.9
BRCHP01-14	5.8	8.6	9.4	9.6	10.1
BRCHP01-15	5.8	8.7	9.6	9.8	10.4
BRCHP01-16	5.8	9.0	9.9	10.2	10.8
BRCHP01-2	3.0	3.9	3.9	3.9	3.9
BRCHP01-3	3.0	4.9	4.9	4.9	5.0
BRCHP01-4	3.0	5.0	5.0	5.1	5.1
BRCHP01-5	3.0	5.9	6.4	6.5	6.8
BRCHP01-6	3.0	5.9	6.4	6.5	6.8
BRCHP01-7	3.0	6.6	7.2	7.4	7.6
BRCHP01-8	4.1	6.8	7.6	7.9	8.3
BRCHP01-9	4.2	7.8	8.5	8.7	9.2
BRCHP01-OUT	3.0	3.0	3.0	3.0	3.0
BRCHP01-OUT1	5.0	5.0	5.0	5.0	5.0
<b>Indigo Run - Broad Creek - Major Basin 1</b>					
BRIRP01-1	3.0	5.7	6.8	7.0	7.4
BRIRP01-10	9.1	11.4	12.5	13.0	13.8
BRIRP01-11	9.4	11.3	12.5	12.9	13.8
BRIRP01-12	9.4	11.3	12.5	12.9	13.8
BRIRP01-1A	7.1	7.1	7.3	7.5	7.7
BRIRP01-2	7.1	7.2	8.2	8.4	8.9
BRIRP01-2A	7.1	7.5	8.8	9.2	9.9
BRIRP01-3	9.1	10.3	11.2	11.8	13.0
BRIRP01-4	9.1	10.5	11.4	12.0	13.2
BRIRP01-5	9.1	11.4	12.3	12.5	13.2
BRIRP01-6	9.1	11.4	12.4	12.7	13.3
BRIRP01-7	9.1	11.4	12.4	12.7	13.3
BRIRP01-8	9.1	11.4	12.5	13.0	13.8
BRIRP01-9	9.1	11.4	12.5	13.0	13.8
BRIRP01-OUT	3	3.0	3.0	3.0	3.0

TABLE M-10  
 NODE PEAK WATER SURFACE ELEVATIONS  
 HILTON HEAD ISLAND WATERSHED  
 FUTURE LAND USE

	Initial Elevation	Future Land Use			
		2-Year	10-Year	25-Year	100-Year
<b>Indigo Run - Broad Creek - Major Basin 2</b>					
BRIRP02-1	3.0	3.0	3.0	3.0	3.0
BRIRP02-2	3.0	5.7	8.1	9.1	10.0
BRIRP02-2A	3.0	6.2	8.8	9.8	11.2
BRIRP02-3	8.7	9.8	10.1	10.2	10.2
BRIRP02-4	9.0	9.9	10.2	10.3	10.4
BRIRP02-5	3.0	8.6	11.3	12.2	13.5
BRIRP02-6	3.0	9.7	11.6	12.3	13.7
BRIRP02-7	3.0	10.0	12.4	13.1	14.2
BRIRP02-OUT	3.0	3.0	3.0	3.0	3.0
<b>Airport - Fish Haul Creek - Major Basin 1</b>					
FHAIR01-3	3.0	6.6	7.4	7.7	8.3
FHAIR01-4	3.0	6.9	8.4	8.9	9.9
FHAIR01-OUT	3.0	3.0	3.0	3.0	3.0
<b>Gum Tree- Jarvis Creek - Major Basin 1</b>					
JVGUM01-1	3.0	4.7	5.5	5.9	6.8
JVGUM01-2	3.0	5.0	5.9	6.2	6.8
JVGUM01-OUT	3.0	3.0	3.0	3.0	3.0
<b>HHP- Jarvis Creek - Major Basin 1</b>					
JVHHP01-13	6.1	7.8	9.0	9.5	10.3
JVHHP01-14	6.1	8.1	9.4	9.7	10.5
JVHHP01-15	6.1	8.7	9.7	9.9	10.6
JVHHP01-16	6.1	8.8	10.1	10.2	10.8
JVHHP01-17	8.9	10.2	11.7	12.2	12.6
JVHHP01-18	8.9	8.9	9.6	10.2	11.1
JVHHP01-19	4.6	8.7	9.7	10.0	10.6
JVHHP01-19A	8.0	8.7	9.7	10.0	10.6
JVHHP01-20	10.6	11.5	11.6	11.6	11.6
JVHHP01-21	10.7	12.8	13.0	13.1	13.2
JVHHP01-22	10.7	15.6	16.4	16.7	17.2
JVHHP01-23	13.1	17.0	17.8	18.0	18.1
JVHHP01-24	14.1	15.8	16.2	16.2	16.4
JVHHP01-25	10.7	17.8	19.8	20.6	22.4
JVHHP01-26	11.4	11.4	11.4	11.4	11.4
JVHHP01-6	-0.9	3.6	3.8	4.3	6.6
JVHHP01-6A	10.0	10.8	10.9	11.0	11.1
JVHHP01-7	-0.4	4.3	5.8	6.6	8.7
JVHHP01-OUT1	3.6	3.6	3.6	3.6	3.6
JVHHP01-OUT2	10.0	10.0	10.0	10.0	10.0
<b>Indigo Run - Jarvis Creek - Major Basin 1</b>					
JVIRP01-1	3.0	4.3	6.2	6.9	8.4
JVIRP01-2	5.2	5.5	6.4	7.1	8.5
JVIRP01-3	5.2	5.5	6.6	7.2	8.5
JVIRP01-4	3.2	5.3	6.4	7.1	8.5
JVIRP01-OUT	3.0	3.0	3.0	3.0	3.0
<b>Spanish Wells - Old HouseCreek - Major Basin 1</b>					
OHSPW01-1	5.4	6.1	6.7	6.9	7.7
OHSPW01-2	5.9	6.7	7.4	7.8	8.9
OHSPW01-2A	7.0	8.9	9.7	10.0	10.8
OHSPW01-3	9.5	10.1	11.9	13.9	15.1
OHSPW01-3A	10.4	11.1	12.8	13.9	15.1
OHSPW01-4	9.5	11.6	13.7	14.0	15.1
OHSPW01-5	9.5	13.1	14.0	14.2	15.1
OHSPW01-6	9.5	12.8	13.9	14.3	15.1
OHSPW01-OUT	3.0	3.0	3.0	3.0	3.0
<b>HHP - Park Creek - Major Basin 1</b>					
PAHHP01-1	5.6	7.1	7.9	8.2	8.8
PAHHP01-1A	5.6	7.6	8.5	8.7	9.0
PAHHP01-2	5.6	7.8	9.2	9.6	10.2
PAHHP01-3	5.6	10.2	12.3	13.0	15.5
PAHHP01-4	10.8	12.9	14.3	15.0	15.8
PAHHP01-5	10.8	12.9	14.3	15.0	15.8
PAHHP01-6	10.8	12.9	14.5	15.1	15.9
PAHHP01-7	5.6	9.1	10.2	10.4	11.2
PAHHP01-8	5.7	7.5	8.4	8.7	9.1
PAHHP01-OUT	3.0	3.0	3.0	3.0	3.0



TABLE M-10  
 NODE PEAK WATER SURFACE ELEVATIONS  
 HILTON HEAD ISLAND WATERSHED  
 FUTURE LAND USE

	Initial Elevation	Future Land Use			
		2-Year	10-Year	25-Year	100-Year
<b>HHP - Port Royal Sound - Major Basin 1</b>					
PRHHP01-1	4.5	8.2	9.2	9.8	11.1
PRHHP01-10	8.6	9.8	12.2	12.5	13.0
PRHHP01-11	8.6	9.7	11.4	12.1	13.0
PRHHP01-12	8.7	10.7	12.6	12.7	13.0
PRHHP01-12A	12.4	12.9	13.2	13.3	13.6
PRHHP01-2	4.5	8.4	9.5	10.2	11.4
PRHHP01-3	4.5	8.4	9.5	10.2	11.4
PRHHP01-4	4.5	8.4	9.5	10.2	11.4
PRHHP01-5	4.5	8.4	9.5	10.2	11.4
PRHHP01-6	4.5	8.4	9.5	10.2	11.4
PRHHP01-7	4.5	8.4	9.5	10.2	11.4
PRHHP01-8	7.1	9.0	10.6	11.5	12.9
PRHHP01-8A	7.1	9.0	12.0	12.2	12.9
PRHHP01-9	7.1	10.6	12.5	12.6	13.0
PRHHP01-OUT	3.0	3.0	3.0	3.0	3.0
PRHHP02-1	10.4	11.3	12.1	12.3	13.2
PRHHP02-2	10.4	11.5	13.4	14.1	14.6
PRHHP02-3	10.4	15.2	15.7	15.9	16.4
PRHHP02-5	7.3	8.6	8.9	8.9	9.0
PRHHP02-6	7.9	8.9	9.2	9.2	9.3
PRHHP02-7	8.7	12.3	14.3	14.7	15.8
PRHHP02-OUT	3.0	3.0	3.0	3.0	3.0
<b>Palmetto Hall - Port Royal Sound - Major Basin 1</b>					
PRPHP01-1	5.9	5.9	5.9	5.9	5.9
PRPHP01-10	11.1	14.2	15.1	15.6	16.6
PRPHP01-11	13.1	14.7	16.1	16.2	16.6
PRPHP01-12	11.1	14.2	15.1	15.6	16.6
PRPHP01-13	8.1	9.0	10.1	11.7	13.5
PRPHP01-14	8.1	10.4	11.7	12.5	13.8
PRPHP01-15	8.1	12.3	14.1	14.8	15.5
PRPHP01-15A	8.1	11.8	13.0	13.5	14.2
PRPHP01-16	11.1	17.0	17.9	18.9	21.0
PRPHP01-17	11.1	16.3	17.9	18.9	20.9
PRPHP01-18	11.1	15.7	17.9	18.9	20.9
PRPHP01-2	5.9	7.7	8.1	8.3	8.7
PRPHP01-3	5.9	7.8	8.3	8.5	9.0
PRPHP01-4	9.0	9.0	9.0	9.0	9.0
PRPHP01-4A	9.0	9.0	9.0	9.1	9.6
PRPHP01-4B	9.0	9.0	9.0	9.0	9.6
PRPHP01-4C	3.0	8.7	9.4	9.7	10.3
PRPHP01-4D	9.0	9.0	9.2	10.1	11.4
PRPHP01-5	8.1	9.7	12.4	13.2	13.5
PRPHP01-6	9.1	11.3	13.8	14.1	14.6
PRPHP01-7	9.1	11.6	13.8	14.2	14.7
PRPHP01-8	9.1	13.6	15.0	15.6	16.5
PRPHP01-9	9.1	14.2	15.1	15.6	16.6
PRPHP01-OUT	3.0	3.0	3.0	3.0	3.0
<b>Gum Tree - Skull Creek - Major Basin 1</b>					
SKGUM01-1	3.0	5.3	5.9	6.1	6.4
SKGUM01-10	3.0	6.7	7.9	8.2	8.6
SKGUM01-11	3.0	6.9	8.2	8.6	9.2
SKGUM01-12	3.0	6.9	8.3	8.6	9.2
SKGUM01-13	3.0	7.0	8.3	8.7	9.2
SKGUM01-14	3.0	7.3	8.9	9.3	9.8
SKGUM01-15	4.7	7.3	9.0	9.3	9.8
SKGUM01-16	5.0	7.3	9.0	9.3	9.8
SKGUM01-17	6.1	7.3	9.0	9.3	9.8
SKGUM01-18	6.4	7.3	9.0	9.3	9.8
SKGUM01-19	6.4	7.3	9.0	9.3	9.8
SKGUM01-1A	3.0	5.3	5.8	5.9	6.1
SKGUM01-2	3.0	5.3	5.9	6.1	6.4
SKGUM01-3	3.0	5.3	5.9	6.2	6.6
SKGUM01-4	3.0	5.3	6.0	6.3	6.7
SKGUM01-4A	3.0	5.3	6.1	6.4	6.8
SKGUM01-5	3.0	5.5	6.3	6.5	7.0
SKGUM01-6	3.0	5.6	6.5	6.7	7.2
SKGUM01-7	3.0	6.0	7.1	7.4	8.0
SKGUM01-9	3.0	6.3	7.5	7.7	8.2
SKGUM01-9A	3.0	6.7	7.8	8.1	8.6
SKGUM01-OUT	5.1	5.1	5.1	5.1	5.1

TABLE M-10  
 NODE PEAK WATER SURFACE ELEVATIONS  
 HILTON HEAD ISLAND WATERSHED  
 FUTURE LAND USE

	Initial Elevation	Future Land Use			
		2-Year	10-Year	25-Year	100-Year
<b>HHP - Skull Creek - Major Basin 1</b>					
SKHHP01-1	3.8	9.1	10.7	11.6	12.5
SKHHP01-1A	5.1	9.7	11.8	13.2	14.4
SKHHP01-2	5.1	9.9	12.6	13.3	14.4
SKHHP01-3	7.1	10.8	12.6	13.3	14.4
SKHHP01-4	7.1	11.3	13.2	13.4	14.5
SKHHP01-5	7.1	9.8	11.6	12.4	13.7
SKHHP01-OUT	3.0	3.0	3.0	3.0	3.0
<b>HHP - Skull Creek - Major Basin 2</b>					
SKHHP02-1	3.6	4.1	4.2	4.2	4.3
SKHHP02-1A	7.1	8.8	10.0	10.6	12.5
SKHHP02-2	7.1	9.7	11.6	12.1	12.5
SKHHP02-3	7.1	9.7	12.0	12.6	12.9
SKHHP02-4	7.8	9.7	12.0	12.6	12.9
SKHHP02-OUT	3.0	3.0	3.0	3.0	3.0

TABLE M-11  
 NODE PEAK WATER SURFACE ELEVATIONS  
 HILTON HEAD ISLAND WATERSHED  
 FUTURE LAND USE WITH PLAN

ICPR Node ID	Initial Elevation (ft)	Future Improved Land Use		
		Improved Location?	25-Year Design Storm	100-Year Design Storm
<b>SPP - Baynard Cove - Major Basin 1</b>				
BASP01-1	1.9		4.4	5.7
BASP01-10	1.9		4.4	6.3
BASP01-11	1.9		3.8	5.5
BASP01-12	1.9		3.8	5.5
BASP01-13	1.9		3.8	5.5
BASP01-14	1.9		3.7	4.9
BASP01-15	1.9		3.7	4.9
BASP01-16	1.9		3.7	4.9
BASP01-22	1.9		3.6	4.8
BASP01-23	1.9		3.6	4.8
BASP01-24	1.9		3.6	4.8
BASP01-25	1.9		3.6	4.8
BASP01-26	1.9		3.6	4.8
BASP01-27	1.9		3.6	4.8
BASP01-28	1.9		3.6	4.8
BASP01-29	1.9		3.6	4.8
BASP01-3	1.9		4.4	5.7
BASP01-30	1.9		3.6	4.8
BASP01-31	1.9		3.6	4.8
BASP01-32	1.9		3.6	4.8
BASP01-33	1.9		3.6	4.8
BASP01-34	1.9		3.6	4.8
BASP01-35	1.9		4.9	6.6
BASP01-37	1.9		5.0	6.6
BASP01-38	1.9		5.2	6.7
BASP01-39	1.9		5.2	6.7
BASP01-4	1.9		4.9	6.6
BASP01-40	1.9		5.2	6.7
BASP01-41	1.9		5.2	6.7
BASP01-43	1.9		5.2	6.7
BASP01-44	1.9		5.6	6.7
BASP01-46	1.9		3.6	4.8
BASP01-47	1.9		3.6	4.8
BASP01-48	1.9		3.6	4.8
BASP01-5	1.9		4.9	6.6
BASP01-52	1.9		3.6	4.8
BASP01-53	1.9		3.6	4.8
BASP01-54	1.9		3.6	4.8
BASP01-55	1.9		3.6	4.8
BASP01-56	1.9		3.6	4.8
BASP01-57	1.9		3.6	4.8
BASP01-58	1.9		3.6	4.8
BASP01-59	1.9		3.6	4.8
BASP01-59A	1.9		3.6	4.8
BASP01-6	1.9		4.8	6.6
BASP01-60	1.9		3.6	4.8
BASP01-61	1.9		3.6	4.8
BASP01-62	1.9		3.6	4.8
BASP01-63	1.9		3.6	4.8
BASP01-64	1.9		3.6	4.8
BASP01-65	1.9		3.6	4.8
BASP01-66	1.9		3.6	4.8
BASP01-7	1.9		4.8	6.6
BASP01-8	1.9		4.8	6.6
BASP01-OUT	3.0		3.0	3.0

TABLE M-11  
 NODE PEAK WATER SURFACE ELEVATIONS  
 HILTON HEAD ISLAND WATERSHED  
 FUTURE LAND USE WITH PLAN

	Initial Elevation	Future Improved Land Use		
		Improved	25-Year	100-Year
<b>SPP - Baynard Cove - Major Basin 2</b>				
BASP02-1	3.3		3.8	4.5
BASP02-10	3.3		5.0	6.8
BASP02-11	3.3		5.7	7.0
BASP02-12	3.3	YES	5.7	7.0
BASP02-13	3.3		5.8	7.0
BASP02-15	3.3		5.7	6.8
BASP02-16	3.3		5.7	6.8
BASP02-17	3.3		5.3	7.0
BASP02-18	3.3		5.4	7.0
BASP02-2	3.3		4.1	5.1
BASP02-3	3.3		4.1	5.1
BASP02-4	3.3		4.2	5.2
BASP02-5	3.3		4.6	6.2
BASP02-6	3.3		4.6	6.2
BASP02-7	3.3		4.6	6.2
BASP02-8	3.3		5.0	6.8
BASP02-9	3.3		5.0	6.8
BASP02-OUT	3.0		3.0	3.0
<b>SPP - Baynard Cove - Major Basin 3</b>				
BASP03-10	3.3		5.9	7.0
BASP03-11	3.3	YES	5.9	7.0
BASP03-12	3.3		5.8	7.0
BASP03-13	3.3	YES	5.8	7.0
BASP03-14	3.3		5.8	7.0
BASP03-15	3.3		5.8	7.0
BASP03-16	3.3		5.6	6.3
BASP03-18	3.3		5.6	6.3
BASP03-2	3.3	YES	5.3	6.6
BASP03-4	3.3		5.8	7.0
BASP03-5	3.3	YES	5.8	7.0
BASP03-6	3.3		5.8	7.0
BASP03-8	3.3		5.8	7.0
BASP03-9	3.3		5.8	7.0
BASP03-OUT	3.0		3.0	3.0
<b>SPP - Braddack Cove - Major Basin 1</b>				
BCSP01-1	2.1	YES	4.3	5.2
BCSP01-2	2.1	YES	4.7	5.9
BCSP01-3	2.1	YES	5.0	6.6
BCSP01-OUT	3.0		3.0	3.0
<b>LCC - Broad Creek - Major Basin 1</b>				
BRLCC01-1	3.0		5.2	5.6
BRLCC01-10	3.0		5.0	5.5
BRLCC01-11	3.0		5.1	5.6
BRLCC01-12	3.0		5.2	5.9
BRLCC01-13	1.5		4.8	5.6
BRLCC01-14	1.5		4.8	5.6
BRLCC01-15	1.5		4.8	5.6
BRLCC01-2	3.0		6.4	7.0
BRLCC01-3	3.0		6.3	7.0
BRLCC01-4	3.6		6.7	7.3
BRLCC01-5	3.6		6.9	7.7
BRLCC01-6	3.6		6.9	7.8
BRLCC01-7	3.0		6.9	7.8
BRLCC01-8	3.0		5.6	6.2
BRLCC01-9	3.0		5.0	5.5
BRLCC01-OUT	3.0		3.0	3.0

TABLE M-11  
 NODE PEAK WATER SURFACE ELEVATIONS  
 HILTON HEAD ISLAND WATERSHED  
 FUTURE LAND USE WITH PLAN

	Initial Elevation	Future Improved Land Use		
		Improved	25-Year	100-Year
<b>LCC - Broad Creek - Major Basin 2</b>				
BRLLC02-1	3.0		3.0	3.2
BRLLC02-OUT	3.0		3.0	3.0
<b>PCT - Broad Creek - Major Basin 1</b>				
BRPCT01-2	3.1		5.5	6.1
BRPCT01-3	3.1		5.5	6.1
BRPCT01-4	3.1		5.6	6.1
BRPCT01-5	3.1		5.6	6.2
BRPCT01-6	3.1		5.6	6.2
BRPCT01-7	3.1		5.6	6.6
BRPCT01-8	3.1		6.4	7.7
BRPCT01-OUT	3.0		3.0	3.0
<b>PCT - Broad Creek - Major Basin 2</b>				
BRPCT02-1	4.1		4.6	4.7
BRPCT02-2	4.1		4.9	5.1
BRPCT02-3	4.1		5.1	5.4
BRPCT02-4	4.1		5.4	5.8
BRPCT02-5	4.1		5.7	6.3
BRPCT02-6	4.1		5.9	6.4
BRPCT02-7	4.1		6.2	6.6
BRPCT02-OUT	3.0		3.0	3.0
<b>PDP - Broad Creek - Major Basin 1</b>				
BRPDP01-1	1.0		1.8	2.5
BRPDP01-10	1.0		1.9	2.8
BRPDP01-101	1.0		1.9	2.8
BRPDP01-102	1.0		1.9	2.9
BRPDP01-103	1.0		1.9	2.9
BRPDP01-104	1.0		1.9	2.9
BRPDP01-105	1.0		1.9	2.9
BRPDP01-106	1.0		1.9	2.8
BRPDP01-13	1.0		1.9	2.9
BRPDP01-14	1.0		1.9	2.9
BRPDP01-15	1.0		1.9	2.9
BRPDP01-16	1.0		1.9	2.9
BRPDP01-17	1.0		1.9	2.9
BRPDP01-18	1.0		1.9	2.9
BRPDP01-19	1.0		1.9	2.9
BRPDP01-1A	1.0		1.8	2.5
BRPDP01-2	1.0		1.8	2.5
BRPDP01-20	1.0		1.9	2.9
BRPDP01-21	1.0		1.9	2.9
BRPDP01-22	1.0		1.9	2.9
BRPDP01-23	1.0		1.9	2.9
BRPDP01-25	1.0		1.8	2.5
BRPDP01-26	1.0		1.8	2.5
BRPDP01-27	1.0		1.8	2.7
BRPDP01-28	1.0		1.9	2.9
BRPDP01-29	1.0		1.9	3.0
BRPDP01-3	1.0		1.8	2.6
BRPDP01-30	1.0		1.9	3.0
BRPDP01-31	1.0		1.9	3.0
BRPDP01-32	1.0		1.9	3.0
BRPDP01-33	1.0		1.9	3.0
BRPDP01-34	1.0		1.9	3.0
BRPDP01-34A	1.0		1.9	3.0
BRPDP01-35	1.0		1.9	3.0
BRPDP01-36	1.0		1.9	3.0
BRPDP01-37	1.0		1.9	3.0
BRPDP01-38	1.0		1.9	3.0

TABLE M-11  
 NODE PEAK WATER SURFACE ELEVATIONS  
 HILTON HEAD ISLAND WATERSHED  
 FUTURE LAND USE WITH PLAN

	Initial Elevation	Future Improved Land Use		
		Improved	25-Year	100-Year
BRPDP01-39	1.0		1.9	3.0
BRPDP01-4	1.0		1.8	2.7
BRPDP01-40	1.0		1.9	3.0
BRPDP01-41	1.0		1.9	3.0
BRPDP01-42	1.0		1.9	3.0
BRPDP01-43	1.0		1.9	3.0
BRPDP01-44	1.0		1.9	3.0
BRPDP01-45	1.0		1.9	3.0
BRPDP01-47	1.0		1.9	2.9
BRPDP01-49	1.0		1.9	2.9
BRPDP01-5	1.0		1.8	2.7
BRPDP01-51	1.0		1.9	2.9
BRPDP01-52	1.0		1.9	2.9
BRPDP01-53	1.0		1.9	2.9
BRPDP01-54	1.0		1.9	3.0
BRPDP01-55	1.0		1.9	3.0
BRPDP01-56	1.0		1.9	3.0
BRPDP01-57	1.0		1.9	3.0
BRPDP01-58	1.0		1.9	3.0
BRPDP01-59	1.0		1.9	3.0
BRPDP01-6	1.0		1.8	2.8
BRPDP01-60	1.0		1.9	3.0
BRPDP01-61	1.0		1.9	3.0
BRPDP01-62	1.0		1.9	3.0
BRPDP01-63	1.0		1.9	3.0
BRPDP01-64	1.0		1.9	3.0
BRPDP01-65	1.0		1.9	3.0
BRPDP01-66	1.0		1.9	3.0
BRPDP01-67	1.0		1.9	3.0
BRPDP01-68	1.0		1.9	3.0
BRPDP01-69	1.0		1.9	3.0
BRPDP01-7	1.0		1.8	2.8
BRPDP01-70	1.0		1.9	3.0
BRPDP01-71	1.0		1.9	3.0
BRPDP01-72	1.0		1.9	3.0
BRPDP01-73	1.0		1.9	3.0
BRPDP01-74	1.0		1.9	3.0
BRPDP01-75	1.0		1.9	3.0
BRPDP01-8	1.0		1.9	2.8
BRPDP01-80	1.0		1.9	2.8
BRPDP01-81	1.0		1.9	2.9
BRPDP01-82	1.0		1.9	2.9
BRPDP01-83	1.0		1.9	2.9
BRPDP01-9	1.0		1.9	2.8
BRPDP01-90	1.0		1.8	2.3
BRPDP01-91	1.0		1.8	2.3
BRPDP01-92	1.0		1.8	2.3
BRPDP01-93	1.0		1.9	2.8
BRPDP01-OUTA	3.0		3.0	3.0
BRPDP01-OUTB	3.0		3.0	3.0

TABLE M-11  
 NODE PEAK WATER SURFACE ELEVATIONS  
 HILTON HEAD ISLAND WATERSHED  
 FUTURE LAND USE WITH PLAN

	Initial Elevation	Future Improved Land Use		
		Improved	25-Year	100-Year
<b>PRP - Broad Creek - Major Basin 1</b>				
BRPRP01-1	1.7		3.0	3.1
BRPRP01-11	1.7		5.1	7.3
BRPRP01-12	1.7		5.3	7.4
BRPRP01-13	1.7		5.3	7.4
BRPRP01-14	1.7		5.3	7.5
BRPRP01-14A	1.7		5.3	7.5
BRPRP01-15	1.7		5.4	7.6
BRPRP01-2	1.7		3.4	4.5
BRPRP01-20	1.7		5.4	7.6
BRPRP01-21	2.6		5.4	7.5
BRPRP01-22	2.5		5.4	7.5
BRPRP01-23	2.5		5.4	7.5
BRPRP01-23A	2.5		5.4	7.5
BRPRP01-24	2.5		5.5	7.5
BRPRP01-25	2.5		5.5	7.4
BRPRP01-26	2.5		5.5	7.4
BRPRP01-27	2.5		5.5	7.4
BRPRP01-28	2.5		5.5	7.4
BRPRP01-29	2.5		5.5	7.4
BRPRP01-3	1.7		4.0	5.5
BRPRP01-30	2.5		5.5	7.5
BRPRP01-31	2.5		5.5	7.5
BRPRP01-32	2.5		5.5	7.5
BRPRP01-32A	2.5		5.5	7.5
BRPRP01-33	2.5		5.5	7.5
BRPRP01-34	2.5		5.5	7.5
BRPRP01-36	5.1		5.5	7.5
BRPRP01-37	6.1		6.8	7.9
BRPRP01-4	1.7		4.5	6.1
BRPRP01-40	2.5		5.5	7.4
BRPRP01-41	2.5		5.5	7.4
BRPRP01-42	2.5		5.5	7.4
BRPRP01-43	2.5		5.5	7.5
BRPRP01-44	2.5		5.5	7.5
BRPRP01-46	2.5		5.5	7.7
BRPRP01-47	4.1		5.5	7.7
BRPRP01-5	1.7		4.6	6.3
BRPRP01-6	1.7		4.9	6.5
BRPRP01-61	2.5		5.4	7.5
BRPRP01-62	2.5		5.4	7.6
BRPRP01-66	2.9		5.4	7.5
BRPRP01-67	3.0		5.5	7.6
BRPRP01-7	1.7		4.9	6.6
BRPRP01-8	1.7		4.9	7.0
BRPRP01-9	1.7		5.1	7.3
BRPRP01-OUT	3.0		3.0	3.0
<b>WEX - Broad Creek - Major Basin 1</b>				
BRWEX01-1	-2.9		1.1	1.1
BRWEX01-10	0.1		5.0	5.8
BRWEX01-11	0.1		5.0	5.9
BRWEX01-12	0.1		5.0	5.9
BRWEX01-13	0.1		5.1	5.9
BRWEX01-14	0.1		5.1	5.9
BRWEX01-15	0.1		5.1	5.9
BRWEX01-16	0.1		5.1	5.9
BRWEX01-17	0.1		5.1	5.9
BRWEX01-17A	0.1		5.3	6.1
BRWEX01-18	0.9		5.4	6.2
BRWEX01-19	1.1		5.7	6.6

TABLE M-11  
 NODE PEAK WATER SURFACE ELEVATIONS  
 HILTON HEAD ISLAND WATERSHED  
 FUTURE LAND USE WITH PLAN

	Initial Elevation	Future Improved Land Use		
		Improved	25-Year	100-Year
BRWEX01-2	0.1		4.8	5.6
BRWEX01-20	1.1		5.8	6.6
BRWEX01-21	1.1		5.8	6.6
BRWEX01-22	1.1		5.8	6.6
BRWEX01-23	1.1		5.8	6.6
BRWEX01-24	1.1		5.8	6.6
BRWEX01-25	1.1		5.8	6.6
BRWEX01-26	1.1		5.9	6.7
BRWEX01-27	1.1		5.9	6.8
BRWEX01-28	1.1		5.9	6.8
BRWEX01-29	1.1		5.8	6.8
BRWEX01-3	0.1		4.8	5.6
BRWEX01-30	1.1		5.8	6.8
BRWEX01-31	1.1		5.8	6.8
BRWEX01-32	1.8		5.8	6.8
BRWEX01-33	3.0		5.8	6.8
BRWEX01-34	3.1		5.7	6.8
BRWEX01-35	3.1		5.7	6.7
BRWEX01-36	3.1		5.7	6.7
BRWEX01-37	3.1		5.6	6.7
BRWEX01-38	3.1		5.6	6.7
BRWEX01-39	3.1		5.6	6.7
BRWEX01-4	0.1		4.8	5.6
BRWEX01-41	3.1		5.6	6.7
BRWEX01-42	3.1		5.6	6.7
BRWEX01-44	3.1		5.6	6.7
BRWEX01-45	3.1		5.6	6.7
BRWEX01-46	3.1		5.6	6.7
BRWEX01-47	3.1		5.6	6.7
BRWEX01-5	0.1		4.8	5.6
BRWEX01-50	1.1		5.8	6.6
BRWEX01-51	1.1		5.8	6.6
BRWEX01-52	1.1		5.8	6.6
BRWEX01-53	1.1		5.8	6.6
BRWEX01-54	3.2		5.8	6.7
BRWEX01-55	4.0		6.3	6.7
BRWEX01-6	0.1		4.8	5.6
BRWEX01-60	1.1		5.8	6.8
BRWEX01-61	1.1		5.8	6.8
BRWEX01-62	1.1		5.8	6.8
BRWEX01-63	1.1		5.9	6.9
BRWEX01-64	4.1		5.7	6.7
BRWEX01-65	4.1		5.7	6.7
BRWEX01-7	0.1		4.8	5.6
BRWEX01-70	3.1		5.6	6.7
BRWEX01-71	3.1		5.6	6.7
BRWEX01-72	3.1		5.6	6.7
BRWEX01-73	3.1		5.6	6.7
BRWEX01-74	3.1		5.6	6.7
BRWEX01-75	3.1		5.6	6.7
BRWEX01-76	3.2		5.6	6.7
BRWEX01-8	0.1		4.8	5.6
BRWEX01-80	3.1		5.6	6.7
BRWEX01-81	3.1		5.6	6.7
BRWEX01-82	3.1		5.6	6.7
BRWEX01-83	3.1		5.6	6.7
BRWEX01-84	3.1		5.6	6.7
BRWEX01-85	3.1		5.6	6.7
BRWEX01-86	3.1		5.6	6.7
BRWEX01-9	0.1		4.8	5.6
BRWEX01-OUT	3.0		3.0	3.0



TABLE M-11  
 NODE PEAK WATER SURFACE ELEVATIONS  
 HILTON HEAD ISLAND WATERSHED  
 FUTURE LAND USE WITH PLAN

	Initial Elevation	Future Improved Land Use		
		Improved	25-Year	100-Year
<b>WEX - Broad Creek - Major Basin 2</b>				
BRWEX02-1	3.3		4.0	4.3
BRWEX02-10	3.3		7.1	7.9
BRWEX02-11	3.3		7.1	7.9
BRWEX02-12	3.3		7.1	7.9
BRWEX02-2	3.3		5.4	7.2
BRWEX02-3	3.3		7.1	7.9
BRWEX02-4	3.3		7.1	7.9
BRWEX02-5	3.3		7.1	7.9
BRWEX02-6	3.3		7.1	7.9
BRWEX02-7	3.3		7.1	7.9
BRWEX02-8	3.3		7.1	7.9
BRWEX02-9	3.3		7.1	7.9
BRWEX02-OUT	3.0		3.0	3.0
<b>XNG - Broad Creek - Major Basin 1</b>				
BRXNG01-1	3.0		5.6	6.1
BRXNG01-10	3.7		6.7	7.5
BRXNG01-11	3.7		6.7	7.5
BRXNG01-12	3.7		6.7	7.5
BRXNG01-13	3.7		6.7	7.6
BRXNG01-14	3.7		6.7	7.6
BRXNG01-15	4.1		6.8	7.6
BRXNG01-1A	3.0		5.2	5.7
BRXNG01-2	3.0		6.0	6.5
BRXNG01-3	3.0		6.1	6.6
BRXNG01-3A	3.0		6.2	6.7
BRXNG01-4	3.0		6.2	6.7
BRXNG01-5	3.0		6.3	6.8
BRXNG01-6	3.0		6.3	6.8
BRXNG01-7	3.7		6.7	7.5
BRXNG01-8	3.7		6.7	7.5
BRXNG01-9	3.7		6.7	7.5
BRXNG01-OUT	3.0		3.0	3.0
<b>SPP - Calibogue Sound - Major Basin 1</b>				
CASP01-1	3.0		3.3	3.7
CASP01-2	3.0		4.1	4.8
CASP01-OUT	3.0		3.0	3.0
<b>SPP - Calibogue Sound - Major Basin 2</b>				
CASP02-1	3.0		5.8	6.1
CASP02-1A	3.0		5.0	5.6
CASP02-OUT	3.0		3.0	3.0
<b>PRP - Fish Haul Creek - Major Basin 1</b>				
FHPRP01-1	3.0		3.0	3.0
FHPRP01-10	3.0		7.2	8.2
FHPRP01-11	3.0		7.2	8.2
FHPRP01-12	3.0		7.2	8.2
FHPRP01-13	3.0		7.2	8.2
FHPRP01-14	3.0		7.2	8.2
FHPRP01-15	3.0		7.2	8.2
FHPRP01-16	3.0		7.2	8.3
FHPRP01-17	3.0		7.2	8.3
FHPRP01-18	4.1		9.9	10.5
FHPRP01-2	3.0		3.0	3.0
FHPRP01-3	3.0		4.9	6.3
FHPRP01-4	3.0		4.9	6.3
FHPRP01-5	3.0		4.9	6.3
FHPRP01-6	3.0		5.1	6.6
FHPRP01-7	3.0		5.1	6.6
FHPRP01-8	3.0		5.1	6.6
FHPRP01-9	3.0		7.2	8.2
FHPRP01-OUT	3.0		3.0	3.0

TABLE M-11  
 NODE PEAK WATER SURFACE ELEVATIONS  
 HILTON HEAD ISLAND WATERSHED  
 FUTURE LAND USE WITH PLAN

	Initial Elevation	Future Improved Land Use		
		Improved	25-Year	100-Year
<b>SPP - Lawton Canal - Major Basin 1</b>				
LCSP01-.5	-0.9		1.4	2.1
LCSP01-1	-0.9		2.4	2.7
LCSP01-10	-0.9		3.2	4.0
LCSP01-11	-0.9		3.2	4.0
LCSP01-12	-0.9		3.2	4.0
LCSP01-13	0.0		3.5	4.3
LCSP01-14	0.0		3.5	4.3
LCSP01-15	0.0		3.6	4.4
LCSP01-16	0.0		3.6	4.4
LCSP01-17	0.0		3.6	4.4
LCSP01-18	0.0		3.6	4.4
LCSP01-19	0.0		3.6	4.4
LCSP01-2	-0.9		2.4	2.7
LCSP01-20	0.0		3.6	4.4
LCSP01-21	0.0		3.6	4.4
LCSP01-22	0.0		3.7	4.5
LCSP01-24	0.0		4.0	4.7
LCSP01-25	0.0		4.1	4.8
LCSP01-26	0.0		4.1	4.8
LCSP01-26A	0.0		4.1	4.8
LCSP01-27	0.0		4.1	4.7
LCSP01-28	0.0		4.1	4.7
LCSP01-3	-0.9		2.5	2.8
LCSP01-30	2.1		3.0	3.5
LCSP01-31	2.1		3.0	3.5
LCSP01-32	2.1		3.0	3.5
LCSP01-32A	2.1		3.0	3.5
LCSP01-33	2.1		3.4	4.2
LCSP01-34	2.1		3.4	4.2
LCSP01-36	2.1		4.1	4.7
LCSP01-37	2.1		4.1	4.7
LCSP01-38	2.1		4.1	4.7
LCSP01-39	2.1		4.1	4.7
LCSP01-3A	-0.9		2.5	2.8
LCSP01-4	-0.9		2.5	2.8
LCSP01-40	2.1		4.1	4.7
LCSP01-41	2.1		4.1	4.7
LCSP01-4A	-0.9		2.9	3.5
LCSP01-5	-0.9		3.0	3.6
LCSP01-50	1.5		2.9	3.3
LCSP01-51	1.5		2.9	3.3
LCSP01-52	1.5		3.1	3.6
LCSP01-53	1.5		3.1	3.6
LCSP01-54	1.5		3.1	3.6
LCSP01-55	1.5		3.1	3.6
LCSP01-56	1.5		3.1	3.6
LCSP01-57	1.5		3.5	4.2
LCSP01-58	1.5		3.5	4.2
LCSP01-59	1.5		3.9	4.8
LCSP01-6	-0.9		3.0	3.6
LCSP01-60	1.8		3.9	4.8
LCSP01-61	2.5		4.4	5.6
LCSP01-7	-0.9		3.0	3.6
LCSP01-70	1.5		3.3	3.7
LCSP01-71	1.5		3.3	3.7
LCSP01-72	1.5		3.5	3.9
LCSP01-73	1.5		3.8	4.4
LCSP01-74	1.5		3.8	4.4
LCSP01-75	1.5		4.1	5.1
LCSP01-76	1.5		4.1	5.1
LCSP01-77	1.9		4.1	4.8
LCSP01-78	1.9		4.2	4.8
LCSP01-8	-0.9		3.0	3.6
LCSP01-85	-0.9		3.2	4.0
LCSP01-86	-0.9		3.2	4.0
LCSP01-9	-0.9		3.0	3.6
LCSP01-OUT	3.0		3.0	3.0

TABLE M-11  
 NODE PEAK WATER SURFACE ELEVATIONS  
 HILTON HEAD ISLAND WATERSHED  
 FUTURE LAND USE WITH PLAN

	Initial Elevation	Future Improved Land Use		
		Improved	25-Year	100-Year
<b>SPP - Point Comfort Creek - Major Basin 1</b>				
PCSP01-1	0.0		5.7	5.7
PCSP01-10	0.2		6.9	8.8
PCSP01-11	0.3		7.0	8.8
PCSP01-12	0.7		7.0	8.8
PCSP01-13	0.0		5.8	5.8
PCSP01-14	0.0		5.8	5.8
PCSP01-15	0.0		5.8	5.8
PCSP01-16	0.0		5.8	5.8
PCSP01-17	2.6		5.8	5.8
PCSP01-18	2.6		5.9	5.9
PCSP01-19	3.9		7.2	8.4
PCSP01-2	0.0		5.8	5.8
PCSP01-20	0.2		6.6	8.7
PCSP01-21	1.1		7.7	9.3
PCSP01-22	1.1		7.7	9.4
PCSP01-23	1.1		9.2	10.7
PCSP01-3	0.0		5.8	5.8
PCSP01-4	0.0		5.8	5.9
PCSP01-5	0.0		5.9	5.9
PCSP01-6	0.0		5.9	5.9
PCSP01-7	0.0		6.4	8.7
PCSP01-8	0.0		6.6	8.7
PCSP01-9	0.0		6.9	8.7
PCSP01-OUT	3.0		3.0	3.0
<b>SPP - PCT Creek - Major Basin 2</b>				
PCSP02-1	3.0		3.1	3.4
PCSP02-2	3.0		3.8	4.2
PCSP02-3	3.0		4.1	4.5
PCSP02-4	3.0		6.2	6.8
PCSP02-5	3.0		9.5	9.5
PCSP02-OUT	3.0		3.0	3.0
<b>Chaplan - Broad Creek Outfall - Major Basin 1</b>				
BRCHP01-1	3.0		3.8	3.8
BRCHP01-10	4.3		8.7	9.2
BRCHP01-11	4.4		9.0	9.6
BRCHP01-12	5.1		9.1	9.7
BRCHP01-13	5.2		9.5	9.9
BRCHP01-14	5.8		9.6	10.1
BRCHP01-15	5.8		9.8	10.4
BRCHP01-16	5.8		10.2	10.8
BRCHP01-2	3.0		3.9	3.9
BRCHP01-3	3.0		4.9	5.0
BRCHP01-4	3.0		5.1	5.1
BRCHP01-5	3.0		6.5	6.8
BRCHP01-6	3.0		6.5	6.8
BRCHP01-7	3.0		7.4	7.6
BRCHP01-8	4.1		7.9	8.3
BRCHP01-9	4.2		8.7	9.2
BRCHP01-OUT	3.0		3.0	3.0
BRCHP01-OUT1	5.0		5.0	5.0
<b>Indigo Run - Broad Creek - Major Basin 1</b>				
BRIRP01-1	3.0		6.8	7.2
BRIRP01-10	9.1	YES	11.5	12.5
BRIRP01-11	9.4	YES	11.8	12.9
BRIRP01-12	9.4		12.1	12.9
BRIRP01-1A	7.1		7.3	7.5
BRIRP01-2	7.1		8.1	8.6
BRIRP01-2A	7.1		9.0	9.5
BRIRP01-3	9.1		11.1	12.1
BRIRP01-4	9.1		11.1	12.1
BRIRP01-5	9.1		11.2	12.2
BRIRP01-6	9.1		10.7	11.7
BRIRP01-7	9.1	YES	11.2	12.1
BRIRP01-8	9.1	YES	11.4	12.5
BRIRP01-9	9.1	YES	11.5	12.5
BRIRP01-OUT	3		3.0	3.0

TABLE M-11  
 NODE PEAK WATER SURFACE ELEVATIONS  
 HILTON HEAD ISLAND WATERSHED  
 FUTURE LAND USE WITH PLAN

	Initial Elevation	Future Improved Land Use		
		Improved	25-Year	100-Year
		<b>Indigo Run - Broad Creek - Major Basin 2</b>		
BRIRP02-1	3.0		3.0	3.0
BRIRP02-2	3.0		9.1	10.0
BRIRP02-2A	3.0		9.7	11.2
BRIRP02-3	8.7		10.2	10.2
BRIRP02-4	9.0		10.3	10.4
BRIRP02-5	3.0		11.6	13.5
BRIRP02-6	3.0		12.3	13.7
BRIRP02-7	3.0		13.0	14.2
BRIRP02-OUT	3.0		3.0	3.0

TABLE M-11  
 NODE PEAK WATER SURFACE ELEVATIONS  
 HILTON HEAD ISLAND WATERSHED  
 FUTURE LAND USE WITH PLAN

	Initial Elevation	Future Improved Land Use		
		Improved	25-Year	100-Year
<b>Airport - Fish Haul Creek - Major Basin 1</b>				
FHAIR01-3	3.0		7.9	8.3
FHAIR01-4	3.0		9.0	9.9
FHAIR01-OUT	3.0		3.0	3.0
<b>Gum Tree - Jarvis Creek - Major Basin 1</b>				
JVGUM01-1	3.0		5.9	6.8
JVGUM01-2	3.0		6.2	6.8
JVGUM01-OUT	3.0		3.0	3.0
<b>HHP - Jarvis Creek - Major Basin 1</b>				
JVHHP01-13	6.1		9.7	10.3
JVHHP01-14	6.1		10.1	10.5
JVHHP01-15	6.1		10.2	10.6
JVHHP01-16	6.1		10.4	10.8
JVHHP01-17	8.9		12.2	12.6
JVHHP01-18	8.9		10.2	11.1
JVHHP01-19	4.6		10.2	10.6
JVHHP01-19A	8.0		10.2	10.6
JVHHP01-20	10.6		11.6	11.6
JVHHP01-21	10.7		13.1	13.2
JVHHP01-22	10.7		16.7	17.2
JVHHP01-23	13.1		17.9	18.1
JVHHP01-24	14.1		16.2	16.4
JVHHP01-25	10.7		20.6	22.4
JVHHP01-26	11.4		11.4	11.4
JVHHP01-6	-0.9		4.6	6.6
JVHHP01-6A	10.0		11.0	11.1
JVHHP01-7	-0.4		6.9	8.7
JVHHP01-OUT1	3.6		3.6	3.6
JVHHP01-OUT2	10.0		10.0	10.0
<b>Indigo Run - Jarvis Creek - Major Basin 1</b>				
JVIRP01-1	3.0		7.2	8.4
JVIRP01-2	5.2		7.4	8.5
JVIRP01-3	5.2		7.4	8.5
JVIRP01-4	3.2		7.3	8.5
JVIRP01-OUT	3.0		3.0	3.0

TABLE M-11  
 NODE PEAK WATER SURFACE ELEVATIONS  
 HILTON HEAD ISLAND WATERSHED  
 FUTURE LAND USE WITH PLAN

	Initial Elevation	Future Improved Land Use		
		Improved	25-Year	100-Year
<b>Spanish Wells - Old House Creek - Major Basin 1</b>				
OHSPW01-1	5.4		7.1	7.7
OHSPW01-2	5.9		8.0	8.9
OHSPW01-2A	7.0		10.2	10.8
OHSPW01-3	9.5		13.9	15.1
OHSPW01-3A	10.4		13.9	15.1
OHSPW01-4	9.5		14.0	15.1
OHSPW01-5	9.5		14.3	15.1
OHSPW01-6	9.5		14.2	15.1
OHSPW01-OUT	3.0		3.0	3.0
<b>HHP - Park Creek - Major Basin 1</b>				
PAHHP01-1	5.6		8.2	8.8
PAHHP01-1A	5.6		8.7	9.0
PAHHP01-2	5.6		9.5	10.2
PAHHP01-3	5.6		12.8	15.5
PAHHP01-4	10.8		15.0	15.8
PAHHP01-5	10.8		15.0	15.8
PAHHP01-6	10.8		15.1	15.9
PAHHP01-7	5.6		10.8	11.2
PAHHP01-8	5.7		8.5	9.1
PAHHP01-OUT	3.0		3.0	3.0

TABLE M-11  
 NODE PEAK WATER SURFACE ELEVATIONS  
 HILTON HEAD ISLAND WATERSHED  
 FUTURE LAND USE WITH PLAN

	Initial Elevation	Future Improved Land Use		
		Improved	25-Year	100-Year
<b>HHP - Port Royal Sound - Major Basin 1</b>				
PRHHP01-1	4.5		9.5	11.1
PRHHP01-10	8.6		12.5	13.0
PRHHP01-11	8.6		12.4	13.0
PRHHP01-12	8.7		12.7	13.0
PRHHP01-12A	12.4		13.3	13.6
PRHHP01-2	4.5		9.8	11.4
PRHHP01-3	4.5		9.8	11.4
PRHHP01-4	4.5		9.8	11.4
PRHHP01-5	4.5		9.9	11.4
PRHHP01-6	4.5		9.9	11.4
PRHHP01-7	4.5		9.9	11.4
PRHHP01-8	7.1		11.9	12.9
PRHHP01-8A	7.1		12.1	12.9
PRHHP01-9	7.1		12.5	13.0
PRHHP01-OUT	3.0		3.0	3.0
PRHHP02-1	10.4		12.3	13.2
PRHHP02-2	10.4		14.1	14.6
PRHHP02-3	10.4		16.0	16.4
PRHHP02-5	7.3		8.9	9.0
PRHHP02-6	7.9		9.2	9.3
PRHHP02-7	8.7		14.7	15.8
PRHHP02-OUT	3.0		3.0	3.0
<b>Palmetto Hall - Port Royal Sound - Major Basin 1</b>				
PRPHP01-1	5.9		5.9	5.9
PRPHP01-10	11.1		15.5	16.6
PRPHP01-11	13.1		16.2	16.6
PRPHP01-12	11.1		15.5	16.6
PRPHP01-13	8.1		12.2	13.5
PRPHP01-14	8.1		12.7	13.8
PRPHP01-15	8.1		14.8	15.5
PRPHP01-15A	8.1		13.6	14.2
PRPHP01-16	11.1		18.9	21.0
PRPHP01-17	11.1		18.9	20.9
PRPHP01-18	11.1		18.9	20.9
PRPHP01-2	5.9		8.3	8.7
PRPHP01-3	5.9		8.5	8.9
PRPHP01-4	9.0		9.0	9.0
PRPHP01-4A	9.0		9.0	9.6
PRPHP01-4B	9.0		9.0	9.6
PRPHP01-4C	3.0		9.7	10.3
PRPHP01-4D	9.0		10.4	11.4
PRPHP01-5	8.1		13.1	13.5
PRPHP01-6	9.1		14.1	14.6
PRPHP01-7	9.1		14.1	14.7
PRPHP01-8	9.1		15.5	16.5
PRPHP01-9	9.1		15.5	16.6
PRPHP01-OUT	3.0		3.0	3.0

TABLE M-11  
 NODE PEAK WATER SURFACE ELEVATIONS  
 HILTON HEAD ISLAND WATERSHED  
 FUTURE LAND USE WITH PLAN

	Initial Elevation	Future Improved Land Use		
		Improved	25-Year	100-Year
<b>Gum Tree - Skull Creek - Major Basin 1</b>				
SKGUM01-1	3.0		6.1	6.4
SKGUM01-10	3.0		8.2	8.6
SKGUM01-11	3.0		8.6	9.2
SKGUM01-12	3.0		8.6	9.2
SKGUM01-13	3.0		8.7	9.2
SKGUM01-14	3.0		9.3	9.8
SKGUM01-15	4.7		9.3	9.8
SKGUM01-16	5.0		9.3	9.8
SKGUM01-17	6.1		9.3	9.8
SKGUM01-18	6.4		9.3	9.8
SKGUM01-19	6.4		9.3	9.8
SKGUM01-1A	3.0		5.9	6.1
SKGUM01-2	3.0		6.1	6.4
SKGUM01-3	3.0		6.2	6.6
SKGUM01-4	3.0		6.3	6.7
SKGUM01-4A	3.0		6.4	6.8
SKGUM01-5	3.0		6.5	7.0
SKGUM01-6	3.0		6.7	7.2
SKGUM01-7	3.0		7.4	8.0
SKGUM01-9	3.0		7.8	8.2
SKGUM01-9A	3.0		8.1	8.6
SKGUM01-OUT	5.1		5.1	5.1



TABLE M-11  
 NODE PEAK WATER SURFACE ELEVATIONS  
 HILTON HEAD ISLAND WATERSHED  
 FUTURE LAND USE WITH PLAN

	Initial Elevation	Future Improved Land Use		
		Improved	25-Year	100-Year
<b>HHP - Skull Creek - Major Basin 1</b>				
SKHHP01-1	3.8		11.6	12.5
SKHHP01-1A	5.1		13.2	14.4
SKHHP01-2	5.1		13.3	14.4
SKHHP01-3	7.1		13.3	14.4
SKHHP01-4	7.1		13.4	14.5
SKHHP01-5	7.1		12.4	13.7
SKHHP01-OUT	3.0		3.0	3.0
<b>HHP - Skull Creek - Major Basin 2</b>				
SKHHP02-1	3.6		4.2	4.3
SKHHP02-1A	7.1		10.7	12.5
SKHHP02-2	7.1		12.1	12.5
SKHHP02-3	7.1		12.4	12.9
SKHHP02-4	7.8		12.4	12.9
SKHHP02-OUT	3.0		3.0	3.0

TABLE M-12  
 CONDUIT PEAK FLOWS  
 HILTON HEAD ISLAND WATERSHED  
 EXISTING LAND USE

ICPR Conduit ID	Type	Existing Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
<b>SPP - Baynard Cove - Major Basin 1</b>					
BASP01-C1	Channel	21.5	54.5	65.8	90.9
BASP01-C10	Channel	3.4	8.5	11.6	21.4
BASP01-C18	Channel	1.8	7.9	9.3	15.2
BASP01-C19	Channel	55.2	41.0	45.4	30.3
BASP01-C20	Channel	990.9	741.4	704.7	753.1
BASP01-C21	Channel	65.0	50.3	57.1	48.2
BASP01-C21A	Channel	13.2	23.8	44.2	42.4
BASP01-C22	Channel	25.3	59.2	72.5	108.3
BASP01-C23	Channel	14.3	30.1	34.7	32.9
BASP01-C25	Channel	16.4	31.4	36.3	30.8
BASP01-C26	Channel	28.3	34.6	38.6	48.5
BASP01-C27	Channel	40.7	50.6	43.1	65.3
BASP01-C28	Channel	95.5	101.3	96.7	95.4
BASP01-C3	Channel	17.5	42.3	50.5	86.7
BASP01-C30	Channel	0.8	3.4	4.9	9.8
BASP01-C34	Channel	0.0	0.0	35.6	65.0
BASP01-C34A	Channel	5.5	14.6	20.2	87.8
BASP01-C35	Channel	5.6	4.9	6.0	11.2
BASP01-C36	Channel	3.2	4.9	0.0	5.9
BASP01-C37	Channel	0.0	0.0	16.1	23.7
BASP01-C4	Channel	3.7	11.0	17.0	45.2
BASP01-C5	Channel	3.7	10.7	14.2	27.3
BASP01-C7	Channel	3.0	8.9	12.0	23.6
BASP01-C8	Channel	8.3	8.7	16.8	22.5
BASP01-C9	Channel	2.8	8.6	11.7	21.9
BASP01-D1	Drop Structure	21.5	54.5	65.7	91.1
BASP01-DW1	Weir	0.0	0.0	0.0	0.0
BASP01-P1	Pipe	17.3	41.9	49.9	83.9
BASP01-P10	Pipe	0.8	2.2	2.7	4.2
BASP01-P11	Pipe	4.3	10.2	12.5	23.6
BASP01-P12	Pipe	2.3	6.0	7.9	15.5
BASP01-P13	Pipe	0.9	4.1	5.4	7.3
BASP01-P14	Pipe	14.5	30.8	35.5	31.6
BASP01-P15	Pipe	5.1	11.2	12.8	13.5
BASP01-P16	Pipe	1.2	4.4	6.3	6.7
BASP01-P17	Pipe	0.7	1.5	1.8	2.3
BASP01-P18	Pipe	0.9	3.2	4.6	9.4
BASP01-P19	Pipe	4.3	13.6	18.7	52.8
BASP01-P2	Pipe	3.8	10.8	16.7	28.0
BASP01-P20	Pipe	4.4	14.0	19.3	44.3
BASP01-P21	Pipe	5.5	12.7	15.6	35.5
BASP01-P22	Pipe	0.4	0.7	0.8	0.9
BASP01-P23	Pipe	0.2	0.4	0.5	0.8
BASP01-P24	Pipe	0.6	2.5	3.5	5.2
BASP01-p25	Pipe	1.3	2.3	1.7	0.2
BASP01-P26	Pipe	1.5	1.2	0.8	0.2
BASP01-P27	Pipe	2.7	3.4	3.5	3.5
BASP01-P28	Pipe	3.1	4.4	4.8	6.0
BASP01-P29	Pipe	0.8	1.7	2.0	3.1
BASP01-P3	Pipe	3.7	10.7	14.2	27.3
BASP01-P4	Pipe	2.9	9.0	12.1	24.1
BASP01-P5	Pipe	2.8	8.7	11.7	21.2
BASP01-P59A	Pipe	0.2	0.5	0.8	1.6
BASP01-P59B	Pipe	1.3	0.9	1.4	1.4
BASP01-P6	Pipe	1.5	4.1	5.2	8.3
BASP01-P7	Pipe	0.0	7.1	0.0	8.0
BASP01-P8	Pipe	7.8	7.7	8.3	0.0

TABLE M-12  
CONDUIT PEAK FLOWS  
HILTON HEAD ISLAND WATERSHED  
EXISTING LAND USE

ICPR Conduit ID	Type	Existing Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
BASP01-P8A	Pipe	0.0	6.4	0.0	7.1
BASP01-P9	Pipe	0.9	4.9	6.1	16.8
BASP01-PW1	Weir	0.0	0.0	0.0	0.0
BASP01-PW10	Weir	0.0	0.0	0.0	3.5
BASP01-PW11	Weir	0.0	0.0	1.0	28.2
BASP01-PW12	Weir	0.0	0.0	0.0	9.1
BASP01-PW13	Weir	0.0	0.0	0.0	7.3
BASP01-PW14	Weir	0.0	0.0	0.0	0.0
BASP01-PW15	Weir	0.0	0.0	0.0	11.9
BASP01-PW16	Weir	0.0	0.0	0.0	7.1
BASP01-PW17	Weir	0.2	2.1	3.4	8.0
BASP01-PW19	Weir	0.0	1.7	4.1	17.3
BASP01-PW2	Weir	0.0	0.0	0.0	8.8
BASP01-PW20	Weir	0.0	1.9	4.5	26.2
BASP01-PW21	Weir	0.0	4.3	12.8	52.3
BASP01-PW22	Weir	0.0	0.0	0.0	0.7
BASP01-PW23	Weir	0.0	0.0	0.1	0.5
BASP01-PW24	Weir	0.0	0.0	0.0	0.0
BASP01-PW25	Weir	0.0	0.0	0.0	0.0
BASP01-PW26	Weir	0.0	0.0	0.0	0.0
BASP01-PW27	Weir	0.0	0.0	0.0	0.0
BASP01-PW28	Weir	0.0	0.0	0.0	0.0
BASP01-PW29	Weir	0.0	0.0	0.0	0.0
BASP01-PW3	Weir	0.0	0.0	0.0	0.0
BASP01-PW4	Weir	0.0	0.0	0.0	0.0
BASP01-PW5	Weir	0.0	0.0	0.0	3.9
BASP01-PW59A	Weir	0.0	0.0	0.0	2.4
BASP01-PW59B	Weir	0.0	0.0	0.0	0.4
BASP01-PW6	Weir	0.0	0.0	0.0	2.7
<b>SPP - Baynard Cove - Major Basin 2</b>					
BASP02-C1	Channel	18.7	42.1	51.0	83.6
BASP02-C2	Channel	18.7	42.3	51.3	84.3
BASP02-C3	Channel	18.7	42.5	51.7	85.9
BASP02-C4	Channel	14.7	30.7	36.7	56.5
BASP02-C5	Channel	14.0	29.8	35.6	56.0
BASP02-C6	Channel	8.9	13.8	16.2	20.0
BASP02-C7	Channel	9.0	14.3	15.2	26.1
BASP02-D1	Drop Structure	18.6	42.0	50.8	83.5
BASP02-DW1	Weir	0.0	0.0	0.0	0.0
BASP02-P1	Pipe	18.7	42.4	51.4	72.3
BASP02-P1a	Pipe	18.6	42.1	50.9	83.5
BASP02-P2	Pipe	14.5	30.4	36.4	44.0
BASP02-P3	Pipe	8.9	13.2	14.8	18.9
BASP02-P4	Pipe	9.1	12.6	14.4	18.5
BASP02-P5	Pipe	3.8	6.5	7.7	10.6
BASP02-P6	Pipe	3.4	5.9	6.4	7.1
BASP02-P7	Pipe	2.0	3.0	3.3	4.1
BASP02-P8	Pipe	2.0	3.0	3.3	4.1
BASP02-PW1	Weir	0.0	0.0	0.0	15.8
BASP02-PW1A	Weir	0.0	0.0	0.0	0.0
BASP02-PW2	Weir	0.0	0.0	0.0	24.9
BASP02-PW3	Weir	0.0	0.0	0.0	5.4
BASP02-PW4	Weir	0.0	13.0	16.7	49.7
BASP02-PW5	Weir	0.0	0.0	0.0	0.1
BASP02-PW6	Weir	0.0	1.9	5.2	8.7
BASP02-PW7	Weir	0.0	0.0	0.0	0.1
BASP02-PW8	Weir	0.0	0.0	0.0	3.4

TABLE M-12  
 CONDUIT PEAK FLOWS  
 HILTON HEAD ISLAND WATERSHED  
 EXISTING LAND USE

ICPR Conduit ID	Type	Existing Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
<b>SPP - Baynard Cove - Major Basin 3</b>					
BASP03-C3	Channel	16.1	27.8	32.4	43.4
BASP03-C4	Channel	14.4	26.7	33.5	70.5
BASP03-C6	Channel	5.5	11.2	12.3	13.8
BASP03-C7	Channel	5.4	10.9	12.1	13.0
BASP03-C8	Channel	4.0	8.1	8.7	9.2
BASP03-C9	Channel	12.2	26.3	32.0	37.3
BASP03-D1	Drop Structure	21.0	28.4	30.4	33.7
BASP03-P1	Pipe	21.3	40.2	48.5	90.1
BASP03-P2	Pipe	5.6	11.3	12.5	12.9
BASP03-P3	Pipe	5.5	11.0	12.2	12.6
BASP03-P4	Pipe	4.0	8.2	8.8	9.3
BASP03-P5	Pipe	3.9	8.0	8.7	9.1
BASP03-P6	Pipe	2.0	4.2	4.9	5.2
BASP03-P7	Pipe	1.0	2.2	2.6	2.8
BASP03-PW1	Weir	0.0	0.0	4.2	29.9
BASP03-PW2	Weir	0.0	0.0	2.8	8.7
BASP03-PW3	Weir	0.0	0.0	3.8	9.8
BASP03-PW4	Weir	0.0	0.0	1.0	5.4
BASP03-PW5	Weir	0.0	0.0	0.8	4.9
BASP03-PW6	Weir	0.0	0.0	0.0	0.0
BASP03-PW7	Weir	0.0	0.0	0.0	0.0
<b>SPP - Braddock Cove - Major Basin 1</b>					
BCSP01-D1	Drop Structure	14.0	27.7	33.1	43.4
BCSP01-D2	Drop Structure	4.7	6.7	7.4	8.7
BCSP01-DW1	Weir	0.0	0.0	0.0	0.0
BCSP01-DW2	Weir	0.0	0.0	0.0	0.0
BCSP01-P1	Pipe	4.7	6.7	7.4	8.7
<b>LCC - Broad Creek - Major Basin 1</b>					
BRLCC01-D1	Drop Structure	47.4	85.3	101.9	133.8
BRLCC01-D2	Drop Structure	14.9	19.0	23.4	24.7
BRLCC01-D3	Drop Structure	3.5	4.4	3.8	4.0
BRLCC01-D3A	Drop Structure	0.0	6.6	10.5	24.2
BRLCC01-D4	Drop Structure	11.4	15.4	16.7	23.8
BRLCC01-D5	Drop Structure	5.6	9.1	7.8	6.4
BRLCC01-D6	Drop Structure	9.9	16.1	15.0	13.2
BRLCC01-DW2	Weir	0.0	0.0	2.9	28.1
BRLCC01-DW3	Weir	0.0	4.3	15.9	39.2
BRLCC01-DW3A	Weir	0.0	0.0	0.0	11.9
BRLCC01-DW4	Weir	0.0	0.0	0.0	0.0
BRLCC01-DW5	Weir	0.0	0.0	0.0	4.7
BRLCC01-DW6	Weir	0.0	0.0	2.1	11.2
BRLCC01-P1	Pipe	3.1	3.9	3.8	3.9
BRLCC01-P10	Pipe	1.2	1.4	1.4	1.7
BRLCC01-P11	Pipe	4.1	5.4	5.7	6.4
BRLCC01-P12	Pipe	6.4	10.3	9.0	7.6
BRLCC01-P2	Pipe	9.2	15.9	17.4	19.8
BRLCC01-P3	Pipe	0.0	0.0	2.5	5.1
BRLCC01-P5	Pipe	19.0	25.6	27.6	27.7
BRLCC01-P6	Pipe	12.1	16.3	17.4	19.9
BRLCC01-P7	Pipe	1.7	3.5	4.2	5.8
BRLCC01-P8	Pipe	2.8	4.7	5.5	6.8
BRLCC01-P9	Pipe	4.1	6.5	7.2	8.7
BRLCC01-PW1	Weir	0.0	9.1	18.1	39.4
BRLCC01-PW10	Weir	0.0	0.0	0.0	0.0
BRLCC01-PW11	Weir	0.0	0.0	0.0	3.1
BRLCC01-PW12	Weir	0.0	0.0	0.0	4.9
BRLCC01-PW2	Weir	0.0	6.2	15.9	37.5
BRLCC01-PW3	Weir	0.0	0.0	0.0	3.1
BRLCC01-PW5	Weir	0.0	0.0	0.0	12.8
BRLCC01-PW6	Weir	0.0	0.0	0.0	3.7
BRLCC01-PW7	Weir	0.0	0.0	0.0	0.0
BRLCC01-PW8	Weir	0.0	0.0	0.0	0.0
BRLCC01-PW9	Weir	0.0	0.0	0.0	0.0
<b>LCC - Broad Creek - Major Basin 2</b>					
BRLCC02-P1	Pipe	6.5	6.7	7.1	7.9
BRLCC02-PW1	Weir	0.0	0.0	0.0	0.0

TABLE M-12  
 CONDUIT PEAK FLOWS  
 HILTON HEAD ISLAND WATERSHED  
 EXISTING LAND USE

ICPR Conduit ID	Type	Existing Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
<b>PCT - Broad Creek - Major Basin 1</b>					
BRPCT01-P1	Pipe	5.9	9.8	11.4	14.8
BRPCT01-P2	Pipe	4.7	7.0	7.9	9.6
BRPCT01-P3	Pipe	4.7	7.0	7.9	9.6
BRPCT01-P4	Pipe	4.4	7.9	9.4	7.5
BRPCT01-P5	Pipe	1.2	1.9	2.2	1.9
BRPCT01-P6	Pipe	23.2	43.7	48.9	57.6
BRPCT01-P7	Pipe	11.6	16.9	19.4	18.9
BRPCT01-PW1	Weir	0.0	0.0	0.0	0.2
BRPCT01-PW2	Weir	0.0	0.0	0.0	0.2
BRPCT01-PW3	Weir	0.0	0.0	0.0	0.9
BRPCT01-PW4	Weir	0.0	0.0	0.0	0.0
BRPCT01-PW5	Weir	0.0	0.0	0.0	0.0
BRPCT01-PW6	Weir	0.0	0.0	7.4	38.4
BRPCT01-PW7	Weir	0.0	0.0	2.8	27.9
<b>PCT - Broad Creek - Major Basin 2</b>					
BRPCT02-P1	Pipe	16.4	23.0	25.3	30.4
BRPCT02-P2	Pipe	16.4	23.0	25.3	30.4
BRPCT02-P3	Pipe	16.4	23.0	25.3	30.4
BRPCT02-P4	Pipe	9.7	12.8	13.9	16.3
BRPCT02-P5	Pipe	9.6	12.8	13.9	14.3
BRPCT02-P6	Pipe	9.6	12.8	13.5	13.2
BRPCT02-PW1	Weir	0.0	0.0	0.0	0.0
BRPCT02-PW2	Weir	0.0	0.0	0.0	0.0
BRPCT02-PW3	Weir	0.0	0.0	0.0	0.0
BRPCT02-PW4	Weir	0.0	0.0	0.0	3.5
BRPCT02-PW5	Weir	0.0	0.0	0.0	7.6
BRPCT02-PW6	Weir	0.0	0.0	1.7	11.5
BRPCT02-W1	Weir	16.4	23.0	25.3	30.4
<b>PDP - Broad Creek - Major Basin 1</b>					
BRPDP01-C10	Channel	12.2	57.7	72.8	39.5
BRPDP01-C101	Channel	11.2	13.1	13.7	13.9
BRPDP01-C102	Channel	9.9	11.9	12.4	12.3
BRPDP01-C103	Channel	7.5	9.7	10.2	11.6
BRPDP01-C104	Channel	10.3	15.6	17.2	32.6
BRPDP01-C105	Channel	10.3	15.6	17.2	32.6
BRPDP01-C13	Channel	49.3	87.8	100.5	147.3
BRPDP01-C14	Channel	76.2	115.1	128.4	179.0
BRPDP01-C15	Channel	76.2	115.1	128.4	179.0
BRPDP01-C16	Channel	79.9	237.0	184.9	193.0
BRPDP01-C17	Channel	71.0	111.4	125.0	167.6
BRPDP01-C18	Channel	54.7	97.1	111.0	156.5
BRPDP01-C19	Channel	39.8	57.3	62.1	97.6
BRPDP01-C2	Channel	299.2	519.0	558.5	628.8
BRPDP01-C20	Channel	32.2	50.5	55.6	80.2
BRPDP01-C21	Channel	28.1	46.0	51.4	136.5
BRPDP01-C22	Channel	26.7	43.0	48.6	67.1
BRPDP01-C23	Channel	191.4	382.5	432.0	433.4
BRPDP01-C24	Channel	188.3	312.6	339.5	429.7
BRPDP01-C25	Channel	181.8	281.5	323.5	414.0
BRPDP01-C26	Channel	176.4	275.2	316.4	407.9
BRPDP01-C27	Channel	205.8	335.5	384.3	587.6
BRPDP01-C28	Channel	109.6	206.8	239.2	421.1
BRPDP01-C29	Channel	106.4	203.5	235.9	419.2
BRPDP01-C3	Channel	294.1	476.5	527.1	621.9
BRPDP01-C30	Channel	98.8	195.5	227.6	410.7
BRPDP01-C31	Channel	80.7	147.4	162.8	236.5
BRPDP01-C32	Channel	72.5	138.9	154.4	226.3
BRPDP01-C33	Channel	66.5	132.8	148.3	220.6
BRPDP01-C34	Channel	54.9	116.1	129.7	203.6
BRPDP01-C35	Channel	45.1	106.0	119.5	200.2
BRPDP01-C36	Channel	35.7	96.5	109.9	207.1
BRPDP01-C37	Channel	30.5	45.5	55.5	77.2
BRPDP01-C38	Channel	24.7	35.0	48.2	146.7
BRPDP01-C39	Channel	24.7	37.5	48.2	146.7
BRPDP01-C4	Channel	287.1	447.7	506.7	613.7

TABLE M-12  
 CONDUIT PEAK FLOWS  
 HILTON HEAD ISLAND WATERSHED  
 EXISTING LAND USE

ICPR Conduit ID	Type	Existing Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
BRPDP01-C40	Channel	26.4	36.9	48.9	166.8
BRPDP01-C46	Channel	43.4	49.2	46.8	38.0
BRPDP01-C47	Channel	42.0	49.8	48.8	22.8
BRPDP01-C5	Channel	280.1	425.0	483.6	595.6
BRPDP01-C50	Channel	37.5	65.2	74.8	155.4
BRPDP01-C51	Channel	33.1	59.1	68.5	3145.5
BRPDP01-C52	Channel	28.1	55.2	65.1	233.0
BRPDP01-C53	Channel	26.3	53.3	63.1	98.0
BRPDP01-C54	Channel	24.5	51.4	61.1	93.8
BRPDP01-C55	Channel	20.2	46.9	56.4	87.7
BRPDP01-C56	Channel	13.4	36.5	43.7	77.0
BRPDP01-C6	Channel	275.2	417.9	475.9	590.1
BRPDP01-C60	Channel	85.6	165.9	154.3	237.5
BRPDP01-C61	Channel	82.1	125.1	130.0	160.1
BRPDP01-C62	Channel	74.4	116.8	121.1	149.2
BRPDP01-C63	Channel	69.0	111.3	115.2	145.2
BRPDP01-C64	Channel	56.7	87.7	80.1	65.4
BRPDP01-C65	Channel	55.2	106.6	106.8	109.9
BRPDP01-C66	Channel	47.9	98.1	101.0	118.9
BRPDP01-C67	Channel	32.6	63.3	61.2	77.8
BRPDP01-C68	Channel	29.5	103.5	105.4	118.8
BRPDP01-C69	Channel	29.5	103.5	105.4	118.8
BRPDP01-C7	Channel	270.9	412.0	469.5	584.9
BRPDP01-C70	Channel	18.5	99.5	104.4	130.0
BRPDP01-C71	Channel	16.1	97.8	104.7	154.6
BRPDP01-C72	Channel	20.0	178.8	185.2	188.6
BRPDP01-C73	Channel	74.8	3752.0	3750.4	300.1
BRPDP01-C74	Channel	82.1	3752.0	3750.4	887.0
BRPDP01-C8	Channel	86.1	138.1	162.8	256.8
BRPDP01-C80	Channel	173.1	282.3	323.2	432.4
BRPDP01-C81	Channel	168.1	278.0	316.4	424.5
BRPDP01-C82	Channel	153.9	260.2	297.2	403.3
BRPDP01-C83	Channel	137.2	241.2	278.2	388.4
BRPDP01-C9	Channel	12.2	57.7	72.8	39.5
BRPDP01-C90	Channel	139.9	193.6	215.9	291.1
BRPDP01-C91	Channel	133.6	187.2	209.4	284.4
BRPDP01-C93	Channel	127.2	180.5	202.9	277.1
BRPDP01-P10	Pipe	53.8	50.0	72.5	91.7
BRPDP01-P100	Pipe	11.2	13.1	13.7	13.9
BRPDP01-P11	Pipe	12.5	34.7	41.0	73.4
BRPDP01-P11A	Pipe	25.6	77.3	23.8	0.0
BRPDP01-P12	Pipe	215.0	0.0	306.1	429.6
BRPDP01-P13	Pipe	121.1	98.7	188.4	137.6
BRPDP01-P14	Pipe	141.6	246.4	283.5	392.3
BRPDP01-P15	Pipe	129.2	182.6	204.9	279.6
BRPDP01-P1A	Pipe	636.3	1245.4	1422.5	1070.3
BRPDP01-P1B	Pipe	148.8	202.8	225.1	300.5
BRPDP01-P2	Pipe	301.3	578.8	662.2	631.4
BRPDP01-P3	Pipe	15.3	50.2	65.2	31.4
BRPDP01-P4	Pipe	82.6	122.3	135.5	179.7
BRPDP01-P5	Pipe	38.2	55.8	49.6	84.2
BRPDP01-P6	Pipe	205.1	334.8	383.6	587.1
BRPDP01-P7	Pipe	76.5	143.0	158.5	231.1
BRPDP01-P8	Pipe	131.1	121.2	164.8	207.0
BRPDP01-P9	Pipe	0.0	386.8	0.0	0.0
<b>PRP - Broad Creek - Major Basin 1</b>					
BRPRP01-C1	Channel	69.9	135.4	163.1	276.5
BRPRP01-C10	Channel	21.1	55.4	79.0	158.8
BRPRP01-C11	Channel	18.1	49.7	71.7	144.7
BRPRP01-C16	Channel	14.1	48.0	92.5	239.5
BRPRP01-C17	Channel	7.5	23.8	83.7	174.0
BRPRP01-C18	Channel	4.1	20.1	33.9	98.6
BRPRP01-C19	Channel	4.2	19.8	33.6	98.0
BRPRP01-C2	Channel	45.5	90.7	113.1	238.9
BRPRP01-C20	Channel	1.9	18.9	32.5	94.2
BRPRP01-C21	Channel	1.8	18.7	32.2	93.7
BRPRP01-C22	Channel	1.8	18.6	32.0	93.4

TABLE M-12  
 CONDUIT PEAK FLOWS  
 HILTON HEAD ISLAND WATERSHED  
 EXISTING LAND USE

ICPR Conduit ID	Type	Existing Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
BRPRP01-C23	Channel	0.5	6.9	13.0	49.4
BRPRP01-C24	Channel	0.4	5.6	10.7	39.0
BRPRP01-C25	Channel	0.4	5.6	10.6	37.1
BRPRP01-C26	Channel	0.6	5.7	10.6	35.8
BRPRP01-C27	Channel	0.4	5.1	9.9	34.2
BRPRP01-C28	Channel	0.5	4.9	9.6	31.8
BRPRP01-C3	Channel	45.1	90.3	112.8	238.3
BRPRP01-C39	Channel	1.3	11.6	20.9	75.0
BRPRP01-C4	Channel	44.8	90.1	112.6	238.5
BRPRP01-C40	Channel	1.3	11.5	18.8	48.4
BRPRP01-C41	Channel	2.1	11.4	18.7	46.5
BRPRP01-C42	Channel	2.1	11.3	18.5	45.3
BRPRP01-C5	Channel	44.5	89.9	112.4	239.0
BRPRP01-C6	Channel	26.2	63.4	81.3	162.8
BRPRP01-C61	Channel	3.7	11.0	14.4	46.5
BRPRP01-C65	Channel	6.7	12.8	16.6	45.3
BRPRP01-C7	Channel	24.5	62.6	79.7	158.2
BRPRP01-C8	Channel	21.8	55.3	78.7	165.2
BRPRP01-C9	Channel	21.4	55.3	78.7	190.9
BRPRP01-P1	Pipe	53.9	103.6	124.2	187.0
BRPRP01-P10	Pipe	1.0	1.9	3.3	14.5
BRPRP01-P11	Pipe	1.6	1.9	4.9	110.3
BRPRP01-P12	Pipe	6.6	6.6	10.5	17.2
BRPRP01-P13	Pipe	0.2	1.7	2.9	14.5
BRPRP01-P2	Pipe	25.4	48.0	59.1	117.9
BRPRP01-P3	Pipe	14.4	38.0	52.7	98.9
BRPRP01-P4	Pipe	11.5	25.3	28.8	63.1
BRPRP01-P40	Pipe	7.0	19.0	18.6	45.8
BRPRP01-P46	Pipe	1.0	9.4	15.5	123.5
BRPRP01-P47	Pipe	0.0	2.3	1.1	1.8
BRPRP01-P5	Pipe	21.6	55.2	78.6	310.4
BRPRP01-P5A	Pipe	23.3	50.3	72.4	145.3
BRPRP01-P6	Pipe	1.8	5.7	42.3	48.0
BRPRP01-P61	Pipe	3.4	10.9	14.4	61.9
BRPRP01-P66	Pipe	4.2	12.7	16.6	46.4
BRPRP01-P7	Pipe	5.9	19.5	153.3	171.8
BRPRP01-P8	Pipe	2.8	16.0	24.6	36.3
BRPRP01-P9	Pipe	0.7	2.0	3.3	13.3
BRPRP01-PW1	Weir	0.0	0.0	0.0	0.0
BRPRP01-PW11	Weir	0.0	0.0	0.0	0.0
BRPRP01-PW12	Weir	0.0	0.0	0.0	0.0
BRPRP01-PW13	Weir	0.0	0.0	0.0	0.0
BRPRP01-PW3	Weir	0.0	0.0	0.0	0.0
BRPRP01-PW40	Weir	0.0	0.0	0.0	7.0
BRPRP01-PW5	Weir	0.0	0.0	0.0	0.0
BRPRP01-PW5A	Weir	0.0	0.0	0.0	0.0
BRPRP01-PW6	Weir	0.0	0.0	0.0	0.0
BRPRP01-PW61	Weir	0.0	0.0	0.0	0.0
BRPRP01-PW66	Weir	0.0	0.0	0.0	0.0
BRPRP01-PW8	Weir	0.0	0.0	0.0	0.0
BRPRP01-PW9	Weir	0.0	0.0	0.0	10.1
BRPRP01-W1	Weir	0.2	3.8	8.0	104.0
		<b>WEX - Broad Creek - Major Basin 1</b>			
BRWEX01-C1	Channel	36.0	71.1	81.2	102.1
BRWEX01-C10	Channel	79.6	155.3	191.0	288.7
BRWEX01-C11	Channel	76.1	151.1	171.2	191.9
BRWEX01-C12	Channel	76.1	151.1	171.2	191.9
BRWEX01-C13	Channel	80.0	154.7	172.6	185.1
BRWEX01-C14	Channel	81.9	155.1	173.2	184.4
BRWEX01-C14A	Channel	81.0	154.9	172.9	184.7
BRWEX01-C15	Channel	106.5	153.7	173.4	331.3
BRWEX01-C16	Channel	84.5	95.3	95.9	121.1
BRWEX01-C17	Channel	86.9	91.4	92.2	121.1
BRWEX01-C18	Channel	98.7	128.1	132.1	159.4
BRWEX01-C19	Channel	90.6	94.3	95.4	125.6
BRWEX01-C2	Channel	37.7	72.5	82.1	103.3
BRWEX01-C20	Channel	90.9	93.7	94.5	125.3

TABLE M-12  
CONDUIT PEAK FLOWS  
HILTON HEAD ISLAND WATERSHED  
EXISTING LAND USE

ICPR Conduit ID	Type	Existing Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
BRWEX01-C21	Channel	44.0	43.2	44.0	42.8
BRWEX01-C22	Channel	17.1	34.5	50.5	131.8
BRWEX01-C23	Channel	5.0	3.4	10.3	35.4
BRWEX01-C24	Channel	6.1	4.9	16.3	43.0
BRWEX01-C25	Channel	6.8	6.4	40.2	49.1
BRWEX01-C26	Channel	6.8	6.5	13.0	49.1
BRWEX01-C27	Channel	7.3	8.8	13.5	51.9
BRWEX01-C28	Channel	28.3	26.1	32.2	82.9
BRWEX01-C29	Channel	85.1	100.5	115.0	176.7
BRWEX01-C3	Channel	79.3	179.1	198.8	253.6
BRWEX01-C30	Channel	79.4	99.9	115.9	186.1
BRWEX01-C31	Channel	45.9	52.6	58.2	63.8
BRWEX01-C32	Channel	64.9	97.3	116.7	100.9
BRWEX01-C33	Channel	58.6	82.2	96.7	142.1
BRWEX01-C34	Channel	58.6	82.2	96.7	142.1
BRWEX01-C35	Channel	48.7	42.5	54.4	56.9
BRWEX01-C36	Channel	48.7	42.6	54.3	57.0
BRWEX01-C4	Channel	231.2	241.9	239.2	316.0
BRWEX01-C5	Channel	223.7	233.4	231.3	239.1
BRWEX01-C50	Channel	37.3	77.3	67.9	81.9
BRWEX01-C51	Channel	35.7	72.8	63.9	76.4
BRWEX01-C52	Channel	27.2	50.6	44.7	52.9
BRWEX01-C53	Channel	40.6	51.4	76.6	145.6
BRWEX01-C6	Channel	79.7	155.7	176.5	238.9
BRWEX01-C7	Channel	79.3	155.5	176.9	238.9
BRWEX01-C70	Channel	26.8	29.6	35.8	50.1
BRWEX01-C71	Channel	39.7	93.9	143.8	87.3
BRWEX01-C72	Channel	38.1	86.4	139.9	74.9
BRWEX01-C73	Channel	38.1	86.4	95.6	74.9
BRWEX01-C74	Channel	38.2	38.2	60.6	73.3
BRWEX01-C75	Channel	65.5	65.5	65.5	77.1
BRWEX01-C8	Channel	76.2	151.0	183.3	260.0
BRWEX01-C80	Channel	48.7	42.6	54.3	57.0
BRWEX01-C81	Channel	54.0	50.6	60.5	66.4
BRWEX01-C82	Channel	54.0	50.6	60.5	66.4
BRWEX01-C83	Channel	49.7	50.2	61.3	70.2
BRWEX01-C84	Channel	26.6	66.0	77.5	117.6
BRWEX01-C85	Channel	26.6	66.0	77.5	117.6
BRWEX01-C86	Channel	29.4	65.2	78.2	129.2
BRWEX01-C9	Channel	77.9	153.2	187.5	275.5
BRWEX01-D50	Drop Structure	35.4	46.7	49.1	49.4
BRWEX01-D60	Drop Structure	0.0	3.1	3.8	5.3
BRWEX01-DW50	Weir	0.0	0.0	3.5	16.1
BRWEX01-DW63	Weir	0.0	0.0	0.0	0.0
BRWEX01-P1	Pipe	35.7	67.8	69.3	27.1
BRWEX01-P2	Pipe	80.2	156.0	176.6	239.1
BRWEX01-P3	Pipe	74.7	148.7	168.9	227.7
BRWEX01-P3A	Pipe	80.0	154.7	172.6	185.1
BRWEX01-P4	Pipe	81.6	155.1	173.1	184.5
BRWEX01-P5	Pipe	98.7	128.1	132.1	159.4
BRWEX01-P50	Pipe	8.1	18.6	19.4	21.1
BRWEX01-P50A	Pipe	42.2	52.8	55.1	58.1
BRWEX01-P60	Pipe	30.1	42.8	49.1	50.6
BRWEX01-P61	Pipe	25.9	27.4	19.4	26.9
BRWEX01-P62	Pipe	13.1	15.4	16.9	15.9
BRWEX01-P63	Pipe	13.4	18.5	19.7	17.8
BRWEX01-P64	Pipe	0.0	1.3	1.7	2.0
BRWEX01-P7	Pipe	28.3	26.1	32.2	82.9
BRWEX01-P70	Pipe	66.6	66.6	66.6	77.1
BRWEX01-P7A	Pipe	388.7	110.3	110.2	86.7
BRWEX01-PS	Rating Curve	75.0	75.0	150.0	150.0
BRWEX01-PS2	Rating Curve	92.0	92.0	92.0	92.0
BRWEX01-PW1	Weir	0.0	0.0	0.0	0.0
BRWEX01-PW2	Weir	0.0	0.0	0.0	0.0
BRWEX01-PW3	Weir	0.0	0.0	0.0	0.0
BRWEX01-PW3A	Weir	0.0	0.0	0.0	0.0
BRWEX01-PW4	Weir	0.0	0.0	0.0	0.0



TABLE M-12  
 CONDUIT PEAK FLOWS  
 HILTON HEAD ISLAND WATERSHED  
 EXISTING LAND USE

ICPR Conduit ID	Type	Existing Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
BRWEX01-PW5	Weir	0.0	0.0	0.0	0.0
BRWEX01-PW50	Weir	0.0	0.0	0.0	0.0
BRWEX01-PW60	Weir	0.0	0.0	0.0	0.0
BRWEX01-PW61	Weir	0.0	32.0	43.6	41.6
BRWEX01-PW62	Weir	0.0	3.2	12.0	18.6
BRWEX01-PW63	Weir	0.0	6.7	19.8	30.3
BRWEX01-PW64	Weir	0.0	0.0	0.5	1.5
BRWEX01-PW7	Weir	0.0	0.0	0.0	0.0
BRWEX01-PW70	Weir	0.0	0.0	0.0	0.0
BRWEX01-PW7A	Weir	0.0	0.0	0.0	0.0
BRWEX01-W1	Weir	36.0	71.1	81.2	102.1
<b>WEX - Broad Creek - Major Basin 2</b>					
BRWEX02-C1	Channel	12.8	24.5	27.4	40.0
BRWEX02-C2	Channel	17.9	35.0	41.4	52.8
BRWEX02-C3	Channel	17.9	35.0	41.4	52.8
BRWEX02-C4	Channel	13.7	20.8	23.0	16.1
BRWEX02-C5	Channel	20.0	34.5	40.2	46.3
BRWEX02-C6	Channel	20.0	34.5	40.2	46.3
BRWEX02-C7	Channel	24.2	43.4	51.1	64.5
BRWEX02-C8	Channel	28.3	51.9	61.5	82.7
BRWEX02-C9	Channel	28.3	51.9	61.5	82.7
BRWEX02-P1	Pipe	13.0	24.2	27.0	37.2
BRWEX02-P2	Pipe	12.9	24.2	26.5	26.5
BRWEX02-PW1	Weir	0.0	0.0	0.0	2.5
BRWEX02-PW2	Weir	0.0	0.0	0.6	22.5
BRWEX02-W1	Weir	41.1	83.1	98.9	157.0
<b>XNG - Broad Creek - Major Basin 1</b>					
BRXNG01-C1	Channel	64.0	115.3	138.2	180.6
BRXNG01-C10	Channel	13.8	24.8	29.8	40.0
BRXNG01-C11	Channel	12.8	22.9	27.5	36.4
BRXNG01-C12	Channel	12.9	22.8	27.3	36.8
BRXNG01-C13	Channel	15.5	27.9	34.0	47.7
BRXNG01-C14	Channel	23.3	34.8	42.1	58.5
BRXNG01-C2	Channel	64.1	115.4	138.3	180.7
BRXNG01-C3	Channel	51.4	94.8	114.2	150.6
BRXNG01-C4	Channel	51.3	94.5	113.9	150.2
BRXNG01-C5	Channel	50.6	93.3	112.1	146.7
BRXNG01-C6	Channel	50.6	93.5	112.3	146.7
BRXNG01-C7	Channel	50.7	93.7	112.5	146.8
BRXNG01-C8	Channel	26.7	39.9	46.5	59.0
BRXNG01-C9	Channel	14.3	25.4	30.5	42.7
BRXNG01-D1	Drop Structure	50.8	93.8	112.6	146.9
BRXNG01-P1	Pipe	64.0	115.3	138.2	180.6
BRXNG01-P2	Pipe	15.6	27.8	33.7	50.4
<b>SPP - Calibogue Sound - Major Basin 1</b>					
CASP01-P1	Pipe	33.3	44.0	49.1	57.4
CASP01-P2	Pipe	32.7	44.3	49.7	59.0
CASP01-PW2	Weir	0.0	0.0	0.0	0.0
CASP01-W1	Weir	0.0	0.0	0.0	0.0
<b>SPP - Calibogue Sound - Major Basin 2</b>					
CASP02-P1	Pipe	14.7	15.5	15.5	15.5
CASP02-PW1	Weir	0.0	10.1	17.6	31.7
CASP02-W1	Weir	13.9	25.0	31.7	44.0
<b>PRP - Fish Haul Creek - Major Basin 1</b>					
FHPRP01-C1	Channel	321.1	459.5	507.9	586.5
FHPRP01-C10	Channel	99.1	136.6	153.6	226.1
FHPRP01-C11	Channel	100.9	159.6	186.8	325.9
FHPRP01-C12	Channel	110.4	184.0	218.2	398.3
FHPRP01-C13	Channel	72.6	90.2	98.4	102.4
FHPRP01-C14	Channel	72.7	93.2	102.6	113.8
FHPRP01-C2	Channel	188.8	263.8	284.0	332.2
FHPRP01-C3	Channel	138.4	223.7	246.6	292.8
FHPRP01-C4	Channel	100.5	122.3	136.1	183.0
FHPRP01-C5	Channel	102.2	122.6	135.2	179.5
FHPRP01-C6	Channel	98.6	120.8	132.6	170.5
FHPRP01-C7	Channel	105.8	123.6	136.5	165.6
FHPRP01-C8	Channel	95.7	123.4	136.8	153.0

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 EXISTING LAND USE

ICPR Conduit ID	Type	Existing Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
FHPRP01-C9	Channel	98.4	132.7	147.1	202.6
FHPRP01-P1	Pipe	159.5	235.3	256.4	306.2
FHPRP01-P2	Pipe	100.5	122.3	136.1	183.0
FHPRP01-P3	Pipe	100.7	121.2	132.2	136.5
FHPRP01-P3A	Pipe	2.7	2.8	2.6	2.4
FHPRP01-P4	Pipe	35.6	40.9	41.8	42.0
FHPRP01-P5	Pipe	37.5	43.1	44.0	44.2
FHPRP01-PW1	Weir	0.0	0.0	0.0	0.0
FHPRP01-PW2	Weir	0.0	0.0	0.0	6.4
FHPRP01-PW3	Weir	0.0	0.0	0.8	31.4
FHPRP01-PW4	Weir	0.0	12.6	22.8	45.0
FHPRP01-PW5	Weir	0.0	0.0	0.0	0.0
<b>SPP - Lawton Canal - Major Basin 1</b>					
LCSP01-C1	Channel	171.8	292.3	336.2	825.2
LCSP01-C11	Channel	43.2	75.2	94.5	114.1
LCSP01-C12	Channel	46.7	79.6	98.6	121.4
LCSP01-C13	Channel	51.0	87.3	105.6	130.6
LCSP01-C14	Channel	51.0	87.3	105.6	130.6
LCSP01-C15	Channel	51.3	84.0	103.4	129.1
LCSP01-C16	Channel	717.1	709.0	708.4	432.3
LCSP01-C17	Channel	103.3	168.8	194.2	246.9
LCSP01-C18	Channel	125.8	214.2	252.5	320.8
LCSP01-C19	Channel	173.1	303.6	363.7	525.3
LCSP01-C2	Channel	170.7	284.8	332.3	414.2
LCSP01-C20	Channel	173.1	303.6	363.7	525.3
LCSP01-C21	Channel	176.8	991.2	1021.0	1124.4
LCSP01-C22	Channel	177.2	312.1	376.3	537.8
LCSP01-C23	Channel	177.8	313.0	376.6	537.4
LCSP01-C24	Channel	139.8	143.3	143.5	140.6
LCSP01-C25	Channel	44.0	56.4	53.7	60.3
LCSP01-C26	Channel	179.2	179.2	179.2	179.2
LCSP01-C3	Channel	115.6	162.9	180.7	222.0
LCSP01-C30	Channel	3.4	6.6	7.8	11.6
LCSP01-C31	Channel	13.4	19.7	21.3	27.9
LCSP01-C32	Channel	13.4	19.7	21.3	27.9
LCSP01-C33	Channel	17.3	24.2	26.1	35.2
LCSP01-C35	Channel	2.2	14.8	18.3	45.4
LCSP01-C36	Channel	3.4	12.7	23.8	129.5
LCSP01-C37	Channel	0.0	25.0	75.7	1720.6
LCSP01-C38	Channel	6.3	13.4	15.7	68.6
LCSP01-C39	Channel	52.0	84.5	88.7	95.4
LCSP01-C4	Channel	112.1	157.8	175.4	204.2
LCSP01-C49A	Channel	8.0	15.6	19.4	27.7
LCSP01-C5	Channel	111.7	157.5	174.9	203.7
LCSP01-C50	Channel	0.6	6.0	7.2	9.9
LCSP01-C51	Channel	2.2	5.8	6.5	8.5
LCSP01-C51A	Channel	2.2	5.8	6.5	8.5
LCSP01-C52	Channel	1.4	5.5	6.1	8.2
LCSP01-C53	Channel	1.4	5.5	6.1	8.1
LCSP01-C6	Channel	111.1	158.9	179.8	208.7
LCSP01-C7	Channel	58.5	104.7	122.8	154.0
LCSP01-C71	Channel	13.1	26.0	29.5	44.1
LCSP01-C72	Channel	13.2	26.6	30.3	49.7
LCSP01-C73	Channel	13.3	27.0	30.9	58.2
LCSP01-C74	Channel	6.2	136.5	136.3	136.0
LCSP01-C8	Channel	58.5	104.7	122.8	154.0
LCSP01-C85	Channel	14.0	15.3	21.3	17.9
LCSP01-C9	Channel	55.9	95.8	110.9	141.7
LCSP01-D1	Drop Structure	2.9	6.4	7.9	13.1
LCSP01-D4	Drop Structure	46.7	79.6	98.6	121.4
LCSP01-D50	Drop Structure	11.0	20.5	22.5	25.8
LCSP01-D51	Drop Structure	7.8	16.4	20.4	29.1
LCSP01-D70	Drop Structure	6.2	14.8	16.5	17.5
LCSP01-DW1	Weir	0.0	0.0	0.0	0.0
LCSP01-DW4	Weir	0.0	0.0	0.0	0.0
LCSP01-DW50	Weir	0.0	0.0	0.0	0.0
LCSP01-DW51	Weir	0.0	0.0	0.0	0.0

TABLE M-12  
 CONDUIT PEAK FLOWS  
 HILTON HEAD ISLAND WATERSHED  
 EXISTING LAND USE

ICPR Conduit ID	Type	Existing Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
LCSP01-DW70	Weir	0.0	0.0	0.0	0.0
LCSP01-P1	Pipe	153.2	221.9	242.4	274.3
LCSP01-P2	Pipe	111.8	157.6	175.1	203.9
LCSP01-P3	Pipe	55.5	88.4	99.4	128.9
LCSP01-P31	Pipe	13.4	19.7	21.3	27.7
LCSP01-P32	Pipe	17.3	24.2	26.1	28.8
LCSP01-P4	Pipe	43.6	56.2	53.8	59.8
LCSP01-P51	Pipe	0.3	1.7	3.4	4.5
LCSP01-P52	Pipe	1.4	5.5	6.1	8.2
LCSP01-P53	Pipe	1.4	5.5	6.1	8.2
LCSP01-P54	Pipe	1.4	5.6	6.2	8.1
LCSP01-P71	Pipe	13.0	25.7	29.1	42.7
LCSP01-P72	Pipe	13.2	26.3	29.9	45.5
LCSP01-P73	Pipe	13.3	26.7	30.5	52.2
LCSP01-P73A	Pipe	13.2	26.4	30.0	46.3
LCSP01-P85	Pipe	13.7	12.6	12.3	12.7
LCSP01-PSRC	Rating Curve	66.8	133.7	133.7	200.5
LCSP01-PW3	Weir	0.0	0.0	0.0	0.0
LCSP01-PW31	Weir	0.0	0.0	0.0	1.5
LCSP01-PW32	Weir	0.0	0.0	0.0	13.5
LCSP01-PW4	Weir	0.0	0.0	0.0	0.0
LCSP01-PW71	Weir	0.0	0.0	0.0	0.0
LCSP01-PW72	Weir	0.0	0.0	0.0	0.0
LCSP01-PW73	Weir	0.0	0.0	0.0	0.0
LCSP01-PW73A	Weir	0.0	0.0	0.0	0.0
LCSP01-PW85	Weir	0.0	0.0	0.0	0.0
LCSP01-W1	Weir	67.8	121.2	128.6	163.6
LCSP01-W100	Weir	8784.1	8784.1	8784.1	8784.1
LCSP01-W1A	Weir	0.0	1.8	16.6	39.2
<b>SPP - PCT Creek - Major Basin 1</b>					
PCSP01-C1	Channel	182.3	255.0	279.9	327.4
PCSP01-C10	Channel	53.5	66.7	75.5	74.6
PCSP01-C11	Channel	7.2	10.0	9.8	9.6
PCSP01-C11A	Channel	9.0	12.0	11.7	11.4
PCSP01-C12	Channel	4.5	6.8	7.1	6.0
PCSP01-C13	Channel	3.1	7.4	8.6	13.6
PCSP01-C14	Channel	0.0	1.5	7.1	37.2
PCSP01-C14A	Channel	3.3	8.7	10.2	17.7
PCSP01-C15	Channel	49.2	52.9	57.5	70.3
PCSP01-C2	Channel	177.8	251.0	277.1	329.3
PCSP01-C3	Channel	162.6	213.7	230.3	258.6
PCSP01-C4	Channel	162.5	214.0	231.4	258.9
PCSP01-C5	Channel	167.8	223.2	241.9	269.6
PCSP01-C6	Channel	167.8	223.3	242.4	274.7
PCSP01-C7	Channel	168.1	227.4	259.4	328.5
PCSP01-C8	Channel	92.1	117.5	127.1	152.7
PCSP01-C9	Channel	92.8	114.0	121.5	148.4
PCSP01-D1	Drop Structure	0.0	0.0	0.0	0.0
PCSP01-DW1	Weir	0.0	1.5	7.1	37.2
PCSP01-P1	Pipe	112.3	159.3	174.8	202.6
PCSP01-P1A	Pipe	71.7	97.0	106.1	127.3
PCSP01-P2	Pipe	167.8	216.9	219.9	217.0
PCSP01-P3	Pipe	9.0	12.0	11.7	11.4
PCSP01-P4	Pipe	3.1	7.9	9.2	16.2
PCSP01-P5	Pipe	45.8	64.4	64.9	69.3
PCSP01-P6	Pipe	63.3	78.1	83.8	96.0
PCSP01-PW1	Weir	0.0	0.0	0.0	0.0
PCSP01-PW2	Weir	0.0	6.4	22.0	56.3
PCSP01-PW4	Weir	0.0	0.0	0.0	0.0
PCSP01-PW5	Weir	0.0	0.0	0.0	4.4
PCSP01-PW6	Weir	0.0	0.0	0.0	16.4
<b>SPP - PCT Creek - Major Basin 2</b>					
PCSP02-C1	Channel	89.4	139.5	156.1	191.5
PCSP02-C2	Channel	89.1	139.5	156.0	191.4
PCSP02-C3	Channel	87.3	138.2	154.5	186.8
PCSP02-P1	Pipe	52.0	73.7	79.5	88.7
PCSP02-P2	Pipe	25.8	26.0	26.2	26.6

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HILTON HEAD ISLAND WATERSHED  
EXISTING LAND USE

ICPR Conduit ID	Type	Existing Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
PCSPP02-PW1	Weir	0.0	0.0	0.0	0.0
PCSPP02-PW2	Weir	19.3	58.2	73.6	106.4
<b>Chaplan - Broad Creek Outfall - Major Basin 1</b>					
BRCHP01-C1	Channel	57.5	58.2	58.6	59.4
BRCHP01-C10	Channel	51.0	102.4	128.8	184.5
BRCHP01-C11	Channel	51.1	102.4	128.8	184.7
BRCHP01-C2	Channel	104.3	104.3	104.3	104.3
BRCHP01-C2A	Channel	40.6	112.5	151.2	229.8
BRCHP01-C3	Channel	57.6	115.3	146.2	212.0
BRCHP01-C4	Channel	57.5	115.3	146.1	211.9
BRCHP01-C5	Channel	52.7	105.1	132.1	189.3
BRCHP01-C6	Channel	52.6	104.9	131.9	188.9
BRCHP01-P1	Pipe	58.2	58.2	58.6	59.4
BRCHP01-P10	Pipe	29.0	35.5	35.6	34.9
BRCHP01-P10A	Pipe	23.8	32.6	33.0	32.7
BRCHP01-P2	Pipe	57.5	58.2	58.6	59.4
BRCHP01-P3	Pipe	56.8	74.9	79.0	85.7
BRCHP01-P4	Pipe	57.6	74.7	74.7	75.0
BRCHP01-P5	Pipe	39.5	40.3	40.2	40.1
BRCHP01-P6	Pipe	32.9	40.1	42.6	46.7
BRCHP01-PW1	Weir	0.0	0.0	0.0	0.0
BRCHP01-PW10	Weir	0.0	46.7	81.8	148.2
BRCHP01-PW2	Weir	0.0	0.0	0.0	0.0
BRCHP01-PW3	Weir	0.0	39.6	66.4	125.4
BRCHP01-PW4	Weir	0.0	42.1	74.6	143.7
BRCHP01-PW5	Weir	11.1	65.7	92.1	148.0
BRCHP01-PW6	Weir	19.7	65.0	89.6	142.7
BRCHP01-W1	Weir	51.1	102.4	128.9	184.8
<b>Indigo Run - Broad Creek - Major Basin 1</b>					
BRIRP01-D1	Drop Structure	0.0	3.5	8.0	18.4
BRIRP01-D2	Drop Structure	120.5	191.1	209.7	234.1
BRIRP01-DW1	Weir	180.8	201.6	217.2	242.6
BRIRP01-DW2	Weir	0.0	0.0	0.0	0.0
BRIRP01-P1	Pipe	127.5	202.3	221.8	258.8
BRIRP01-P10	Pipe	13.7	18.1	9.4	2.5
BRIRP01-P10A	Pipe	3.7	4.9	2.5	0.7
BRIRP01-P11	Pipe	7.3	7.9	8.1	3.0
BRIRP01-P11A	Pipe	6.5	8.2	8.4	3.1
BRIRP01-P12	Pipe	11.4	6.2	7.6	13.9
BRIRP01-P2	Pipe	127.6	207.0	227.1	260.4
BRIRP01-P3	Pipe	120.5	191.1	209.7	234.1
BRIRP01-P4A	Pipe	30.1	37.5	42.4	54.2
BRIRP01-P4B	Pipe	46.2	57.6	65.2	83.3
BRIRP01-P5	Pipe	55.1	67.0	65.5	65.8
BRIRP01-P6	Pipe	38.0	53.6	55.8	64.7
BRIRP01-P7	Pipe	25.5	35.2	34.3	26.2
BRIRP01-P8	Pipe	26.5	36.6	40.7	44.4
BRIRP01-P8A	Pipe	14.8	20.5	22.8	24.9
BRIRP01-P9	Pipe	19.4	26.7	25.6	18.3
BRIRP01-PW1	Weir	0.0	0.0	0.0	0.0
BRIRP01-PW10	Weir	0.0	13.2	17.7	35.6
BRIRP01-PW11	Weir	0.0	0.0	0.0	30.0
BRIRP01-PW12	Weir	0.0	10.4	12.6	24.7
BRIRP01-PW2	Weir	0.0	0.0	0.0	5.4
BRIRP01-PW3	Weir	0.0	0.0	0.0	0.0
BRIRP01-PW4A	Weir	0.0	0.0	0.0	0.0
BRIRP01-PW5	Weir	0.0	22.7	64.4	153.7
BRIRP01-PW6	Weir	0.0	0.0	0.0	32.8
BRIRP01-PW7	Weir	0.0	21.7	31.8	47.4
BRIRP01-PW8	Weir	0.0	0.0	0.0	0.0
BRIRP01-PW9	Weir	0.0	0.0	3.6	26.4
BRIRP02-C1	Channel	144.7	234.2	268.1	289.6
BRIRP02-C2	Channel	42.8	104.4	229.0	258.5
BRIRP02-C3	Channel	45.0	89.1	106.6	161.8
BRIRP02-P1	Pipe	137.6	218.9	248.8	275.0
BRIRP02-P2	Pipe	50.3	56.2	59.9	66.2
BRIRP02-P3	Pipe	23.2	24.7	27.0	30.9

TABLE M-12  
 CONDUIT PEAK FLOWS  
 HILTON HEAD ISLAND WATERSHED  
 EXISTING LAND USE

ICPR Conduit ID	Type	Existing Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
BRIRP02-P4	Pipe	16.2	17.7	18.4	19.8
BRIRP02-P5	Pipe	27.4	32.5	33.8	35.4
BRIRP02-PW1	Weir	0.0	0.0	0.0	0.0
BRIRP02-PW4	Weir	0.0	0.0	0.0	0.0
BRIRP02-PW5	Weir	0.0	0.0	0.0	20.9
<b>Airport - Fish Haul - Major Basin 1</b>					
FHAIR0-C1	Channel	83.9	145.3	167.0	205.0
FHAIR01-P1	Pipe	70.2	135.6	143.6	155.5
FHAIR01-P1A	Pipe	70.2	135.6	143.6	155.5
FHAIR01-P2	Pipe	35.0	54.8	62.9	74.2
FHAIR01-P3	Pipe	40.2	70.1	79.6	93.8
FHAIR01-PW1	Weir	0.0	0.0	46.4	188.4
FHAIR01-PW2	Weir	0.0	0.0	0.0	0.0
FHAIR01-PW3	Weir	0.0	0.0	0.0	0.0
FHAIR01-W1	Weir	94.0	163.2	180.3	251.8
FHAIR01-W2	Weir	8.4	32.4	44.3	76.7
<b>Gum Tree - Jarvis Creek - Major Basin 1</b>					
JVGUM01-P1	Pipe	91.5	124.0	137.9	172.0
JVGUM01-P2	Pipe	101.2	116.8	121.4	123.5
JVGUM01-PW1	Weir	0.0	0.0	0.0	0.0
JVGUM01-PW2	Weir	0.0	0.0	14.5	138.0
<b>HHP - Jarvis Creek - Major Basin 1</b>					
JVHHP01-C50	Channel	7.8	10.0	12.0	14.2
JVHHP01-C7A	Channel	7.8	14.4	15.3	110.4
JVHHP01-D1	Drop Structure	334.5	532.7	550.8	550.3
JVHHP01-D100	Drop Structure	0.0	0.0	0.0	0.0
JVHHP01-D4	Drop Structure	22.0	48.0	55.5	56.2
JVHHP01-D4A	Drop Structure	68.3	68.3	68.3	71.0
JVHHP01-D5	Drop Structure	3.0	3.2	3.2	3.4
JVHHP01-D6	Drop Structure	0.0	0.0	0.0	0.0
JVHHP01-DW1	Weir	0.0	0.0	86.2	449.0
JVHHP01-DW100	Weir	0.0	0.0	0.0	0.0
JVHHP01-DW4	Weir	0.0	0.0	18.5	140.8
JVHHP01-DW6	Weir	0.0	0.0	0.0	0.0
JVHHP01-P1	Pipe	0.0	149.5	253.3	524.7
JVHHP01-P10	Pipe	7.8	8.8	9.0	9.3
JVHHP01-P11	Pipe	8.3	9.3	9.6	9.9
JVHHP01-P12	Pipe	5.4	6.4	6.9	8.0
JVHHP01-P2	Pipe	344.1	518.8	603.0	845.1
JVHHP01-P2A	Pipe	2.7	30.7	50.4	114.8
JVHHP01-P4	Pipe	108.7	137.8	138.8	137.6
JVHHP01-P4A	Pipe	54.3	68.9	69.4	68.8
JVHHP01-P5	Pipe	19.8	37.9	37.7	39.4
JVHHP01-P5A	Pipe	52.0	99.6	99.1	103.5
JVHHP01-P6	Pipe	0.0	0.0	0.0	0.0
JVHHP01-P7	Pipe	0.9	0.9	1.0	1.0
JVHHP01-P7A	Pipe	7.5	18.0	19.1	21.5
JVHHP01-P9	Pipe	0.0	0.0	0.0	0.0
JVHHP01-PS	Rating Curve	400.0	400.0	400.0	400.0
JVHHP01-PW1	Weir	0.0	0.0	0.0	0.0
JVHHP01-PW10	Weir	0.0	0.0	0.0	0.0
JVHHP01-PW2	Weir	0.0	0.0	0.0	0.0
JVHHP01-PW3	Weir	0.0	61.4	170.1	431.4
JVHHP01-PW5	Weir	0.0	0.0	0.0	0.0
JVHHP01-PW5A	Weir	0.0	1.2	31.1	179.3
JVHHP01-PW6	Weir	0.0	0.0	0.0	0.0
JVHHP01-PW7	Weir	0.0	0.0	0.0	0.0
JVHHP01-PW7A	Weir	0.0	0.0	0.0	13.7
JVHHP01-PW9	Weir	0.0	0.0	0.0	0.0
JVHHP01-W1	Weir	474.6	575.5	611.4	694.0
<b>Indigo Run - Jarvis Creek - Major Basin 1</b>					
JVIRP01-C1	Channel	19.2	39.0	47.2	50.2
JVIRP01-D1	Drop Structure	3.3	19.3	22.8	22.6
JVIRP01-DW1	Weir	0.0	0.0	0.0	23.4
JVIRP01-P1	Pipe	36.4	57.6	64.0	75.1
JVIRP01-P2	Pipe	3.6	21.4	24.4	29.4
JVIRP01-P3	Pipe	-1.0	3.1	4.0	4.6

TABLE M-12  
 CONDUIT PEAK FLOWS  
 HILTON HEAD ISLAND WATERSHED  
 EXISTING LAND USE

ICPR Conduit ID	Type	Existing Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
JVIRP01-PW1	Weir	0.0	0.0	0.0	0.0
JVIRP01-PW2	Weir	0.0	0.0	12.4	33.7
<b>Spanish Wells - Old House Creek - Major Basin 1</b>					
OHSPW01-C1	Channel	6.6	20.9	28.0	49.8
OHSPW01-D1	Drop Structure	2.0	6.8	11.0	12.9
OHSPW01-P1	Pipe	1.7	7.2	10.0	17.5
OHSPW01-P1A	Pipe	4.9	13.7	18.0	32.3
OHSPW01-P2	Pipe	2.0	6.9	9.8	10.0
OHSPW01-P3	Pipe	2.1	4.1	4.4	4.9
OHSPW01-P4	Pipe	5.0	7.9	8.2	9.3
OHSPW01-P5	Pipe	2.3	2.5	3.4	2.9
OHSPW01-PW1	Weir	0.0	0.0	0.0	0.0
OHSPW01-PW2	Weir	0.0	0.0	14.8	32.4
OHSPW01-PW3	Weir	0.0	4.8	18.4	41.1
OHSPW01-PW4	Weir	0.0	24.6	37.9	87.6
OHSPW01-PW5	Weir	0.0	0.0	0.0	5.4
OHSPW01-W1	Weir	6.6	20.9	28.0	51.5
<b>HHP - Park Creek - Major Basin 1</b>					
PAHHP01-D1	Drop Structure	46.4	76.3	83.9	83.5
PAHHP01-D2	Drop Structure	40.6	44.4	45.5	47.6
PAHHP01-DW1	Weir	0.0	0.0	0.9	166.3
PAHHP01-DW2	Weir	17.5	93.3	128.6	196.6
PAHHP01-P1	Pipe	153.0	189.2	189.5	191.0
PAHHP01-P2	Pipe	125.9	197.6	218.1	264.6
PAHHP01-P3	Pipe	90.9	127.4	131.6	172.2
PAHHP01-P4	Pipe	53.1	75.2	83.5	184.2
PAHHP01-P5	Pipe	4.9	9.1	8.1	5.5
PAHHP01-P6	Pipe	45.7	59.5	60.5	62.5
PAHHP01-PW1	Weir	0.0	113.3	175.8	341.0
PAHHP01-PW2	Weir	0.0	0.0	0.0	19.9
PAHHP01-PW3	Weir	0.0	0.0	0.0	56.9
PAHHP01-PW4	Weir	0.1	0.2	0.3	1.6
PAHHP01-PW5	Weir	0.0	47.6	76.8	122.8
PAHHP01-PW6	Weir	0.0	57.5	83.1	231.7
PAHHP01-W1	Weir	153.0	286.0	334.4	455.3
<b>HHP - Port Royal Sound - Major Basin 1</b>					
PRHHP01-C1	Channel	73.7	114.0	130.9	213.7
PRHHP01-C2	Channel	75.1	121.5	141.3	217.5
PRHHP01-C3	Channel	81.4	131.4	153.7	222.9
PRHHP01-C4	Channel	65.5	95.6	106.1	204.0
PRHHP01-C5	Channel	67.1	99.5	111.0	206.3
PRHHP01-D1	Drop Structure	23.7	53.2	55.8	56.5
PRHHP01-D2	Drop Structure	12.2	21.4	22.6	22.7
PRHHP01-D3	Drop Structure	8.3	15.6	17.7	20.2
PRHHP01-D4	Drop Structure	10.0	13.6	13.6	10.2
PRHHP01-DW1	Weir	0.0	0.0	18.9	132.6
PRHHP01-DW2	Weir	0.0	1.9	6.9	14.6
PRHHP01-DW3	Weir	0.0	0.0	0.0	0.0
PRHHP01-DW4	Weir	0.0	1.0	10.3	21.9
PRHHP01-P1	Pipe	31.0	47.2	54.1	71.8
PRHHP01-P1A	Pipe	42.6	65.0	74.5	98.8
PRHHP01-P2	Pipe	24.7	31.3	31.8	32.1
PRHHP01-P2A	Pipe	46.1	54.1	54.7	53.7
PRHHP01-P3	Pipe	0.1	2.8	5.9	5.7
PRHHP01-P4	Pipe	2.4	3.3	3.5	2.3
PRHHP01-PW1	Weir	0.0	0.0	0.0	75.1
PRHHP01-PW2	Weir	0.0	52.9	83.2	166.8
PRHHP01-PW3	Weir	0.0	0.0	0.6	4.7
PRHHP01-PW4	Weir	0.0	0.0	3.5	7.6
PRHHP01-W1	Weir	77.1	110.2	125.2	181.4
<b>HHP - Port Royal Sound - Major Basin 2</b>					
PRHHP02-D1	Drop Structure	26.6	68.0	85.3	148.8
PRHHP02-DW1	Weir	0.0	0.0	0.0	0.0
PRHHP02-P1	Pipe	30.2	75.4	88.8	101.7
PRHHP02-P2	Pipe	24.7	26.1	26.2	26.7
PRHHP02-P3	Pipe	5.1	7.4	7.8	8.7
PRHHP02-P4	Pipe	5.1	7.4	7.8	8.7

TABLE M-12  
 CONDUIT PEAK FLOWS  
 HILTON HEAD ISLAND WATERSHED  
 EXISTING LAND USE

ICPR Conduit ID	Type	Existing Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
PRHHP02-P5	Pipe	5.1	7.4	7.8	8.7
PRHHP02-PW1	Weir	0.0	0.0	16.1	130.4
PRHHP02-PW2	Weir	9.7	94.2	140.8	290.7
<b>Palm Hall - Port Royal Sound - Major Basin 1</b>					
PRPHP01-C1	Channel	65.8	112.9	133.1	219.6
PRPHP01-C2	Channel	66.7	115.2	135.1	220.2
PRPHP01-C3	Channel	396.5	396.5	396.5	396.5
PRPHP01-D1	Drop Structure	14.2	21.6	23.7	23.3
PRPHP01-D10	Drop Structure	10.2	10.6	10.7	11.2
PRPHP01-D1A	Drop Structure	13.1	19.9	21.8	21.4
PRPHP01-D1D	Drop Structure	15.8	22.8	30.2	36.5
PRPHP01-D2	Drop Structure	6.5	7.8	6.3	4.5
PRPHP01-D3	Drop Structure	0.7	1.1	1.2	1.2
PRPHP01-D4	Drop Structure	7.2	7.3	7.1	6.9
PRPHP01-DW1	Weir	0.0	0.0	20.4	105.3
PRPHP01-DW2	Weir	0.0	48.7	81.8	144.8
PRPHP01-DW3	Weir	14.4	46.2	62.8	100.1
PRPHP01-DW4	Weir	0.0	3.6	23.1	69.6
PRPHP01-P1	Pipe	31.7	31.7	31.7	31.7
PRPHP01-P10	Pipe	2.8	1.7	1.7	1.7
PRPHP01-P11	Pipe	8.7	9.6	9.0	9.3
PRPHP01-P12	Pipe	14.9	18.2	19.3	20.8
PRPHP01-P13	Pipe	7.0	6.7	6.0	4.5
PRPHP01-P14	Pipe	5.0	0.6	0.5	0.4
PRPHP01-P15	Pipe	1.0	0.6	0.5	0.4
PRPHP01-P1A	Pipe	29.4	29.4	29.4	29.4
PRPHP01-P1B	Pipe	31.4	31.4	31.4	31.4
PRPHP01-P1C	Pipe	10.3	10.3	10.3	10.3
PRPHP01-P1D	Pipe	21.7	21.7	21.7	21.7
PRPHP01-P2	Pipe	18.3	27.1	32.3	36.0
PRPHP01-P2-1	Pipe	24.5	35.7	42.8	46.4
PRPHP01-P2A	Pipe	13.1	19.9	21.8	21.4
PRPHP01-P2B	Pipe	10.7	10.7	10.7	10.7
PRPHP01-P2C	Pipe	15.8	22.8	30.2	36.5
PRPHP01-P3	Pipe	11.2	18.0	18.7	19.5
PRPHP01-P4	Pipe	12.0	14.1	14.4	14.9
PRPHP01-P5	Pipe	10.4	10.9	10.8	11.0
PRPHP01-P6	Pipe	5.9	5.2	4.4	3.1
PRPHP01-PW10	Weir	274.4	274.4	274.4	274.4
PRPHP01-PW11	Weir	0.0	0.0	0.0	0.0
PRPHP01-PW14	Weir	0.0	7.2	7.7	8.9
PRPHP01-PW15	Weir	3.3	6.0	6.4	7.5
PRPHP01-PW3	Weir	0.0	61.3	86.5	146.3
PRPHP01-PW4	Weir	8.4	74.8	103.5	156.1
PRPHP01-PW5	Weir	15.6	99.4	117.6	167.9
PRPHP01-PW6	Weir	6.8	33.0	37.4	53.7
<b>Gum Tree - Skull Creek - Major Basin 1</b>					
SKGUM01-C1	Channel	4.6	49.8	70.0	97.7
SKGUM01-C10	Channel	1.1	1.8	1.8	1.7
SKGUM01-C11	Channel	0.5	0.9	0.9	1.3
SKGUM01-C2	Channel	6.5	49.8	70.0	97.7
SKGUM01-C4	Channel	163.8	299.8	354.1	467.1
SKGUM01-C5	Channel	147.0	233.7	265.0	328.5
SKGUM01-C6	Channel	148.8	237.5	271.9	347.2
SKGUM01-C7	Channel	85.8	143.6	164.6	207.3
SKGUM01-C8	Channel	92.8	155.8	185.9	246.1
SKGUM01-C9	Channel	227.9	230.9	230.3	252.7
SKGUM01-P1	Pipe	3.2	49.8	70.0	97.7
SKGUM01-P2	Pipe	5.8	49.8	70.0	97.7
SKGUM01-P3	Pipe	166.4	212.8	221.3	238.7
SKGUM01-P4	Pipe	148.0	188.7	189.2	187.0
SKGUM01-P5	Pipe	84.2	128.1	144.1	168.6
SKGUM01-P6	Pipe	105.5	144.1	152.3	163.6
SKGUM01-P7	Pipe	18.2	17.8	17.4	16.9
SKGUM01-P8	Pipe	1.1	1.8	1.8	1.7
SKGUM01-PW1	Weir	0.0	0.0	0.0	0.0

TABLE M-12  
 CONDUIT PEAK FLOWS  
 HILTON HEAD ISLAND WATERSHED  
 EXISTING LAND USE

ICPR Conduit ID	Type	Existing Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
SKGUM01-PW3	Weir	0.0	94.1	139.2	234.8
SKGUM01-PW4	Weir	0.0	87.7	124.8	199.3
SKGUM01-PW5	Weir	0.0	0.0	0.0	17.0
SKGUM01-PW6	Weir	0.0	16.7	42.7	103.6
SKGUM01-PW7	Weir	0.0	0.0	0.0	0.0
SKGUM01-PW8	Weir	0.0	0.0	0.0	0.0
SKGUM01-W1A	Weir	7.3	49.8	70.0	97.7
SKGUM01-W1B	Weir	160.6	255.8	295.2	381.8
SKGUM01-W1C	Weir	162.5	297.9	351.6	463.4
SKGUM01-WOUT	Weir	1.2	49.8	70.0	97.7
<b>HHP - Skull Creek - Major Basin 1</b>					
SKHHP01-D1	Drop Structure	22.8	32.1	32.8	33.9
SKHHP01-DW1	Weir	0.0	58.4	108.0	259.1
SKHHP01-P1	Pipe	54.8	73.9	85.3	95.8
SKHHP01-P100	Pipe	-5.1	-6.7	-7.6	-10.9
SKHHP01-P2	Pipe	46.3	62.5	75.5	89.4
SKHHP01-P2A	Pipe	24.0	41.2	43.2	49.4
SKHHP01-P4	Pipe	23.9	29.3	29.5	23.0
SKHHP01-P5	Pipe	10.1	13.4	13.6	16.6
SKHHP01-PW1	Weir	0.0	0.0	0.0	0.0
SKHHP01-PW2A	Weir	0.0	0.0	46.5	68.0
SKHHP01-PW4	Weir	0.0	39.3	84.6	180.9
<b>HHP - Skull Creek - Major Basin 2</b>					
SKHHP02-D1	Drop Structure	40.1	61.7	66.5	76.8
SKHHP02-DW1	Weir	0.0	0.0	0.0	0.0
SKHHP02-P1	Pipe	20.9	33.3	33.1	33.2
SKHHP02-P2	Pipe	13.4	19.6	21.2	20.9
SKHHP02-P3	Pipe	5.2	7.9	8.5	8.0
SKHHP02-PW1	Weir	0.0	0.0	15.7	71.3
SKHHP02-PW2	Weir	0.0	0.0	0.0	0.0
SKHHP02-PW3	Weir	0.0	0.0	0.0	0.0
SKHHP02-W1	Weir	40.1	61.7	66.5	76.8

\*\* NOTE: Peak Flow Values taken from ICPR Link Maximum Table - Refer to ICPR and Link Graphs or I



TABLE M-13  
CONDUIT PEAK FLOWS  
HILTON HEAD ISLAND WATERSHED  
FUTURE LAND USE

ICPR Conduit ID	Type	Future Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
<b>SPP - Baynard Cove - Major Basin 1</b>					
BASP01-C1	Channel	21.5	54.5	65.8	90.9
BASP01-C10	Channel	3.4	8.5	11.6	21.4
BASP01-C18	Channel	1.8	7.9	9.3	15.2
BASP01-C19	Channel	55.2	41.0	54.6	26.6
BASP01-C20	Channel	990.9	741.4	858.6	827.6
BASP01-C21	Channel	65.0	50.3	67.3	44.5
BASP01-C21A	Channel	13.2	23.8	44.2	41.2
BASP01-C22	Channel	25.3	59.2	72.5	108.3
BASP01-C23	Channel	14.3	30.1	34.7	32.9
BASP01-C25	Channel	16.4	31.4	36.3	30.8
BASP01-C26	Channel	28.3	34.6	38.6	48.5
BASP01-C27	Channel	40.7	50.6	43.1	65.3
BASP01-C28	Channel	95.5	101.3	96.7	95.4
BASP01-C3	Channel	17.5	42.3	50.5	86.7
BASP01-C30	Channel	0.8	3.4	4.9	9.8
BASP01-C34	Channel	0.0	0.0	35.6	65.0
BASP01-C34A	Channel	5.5	14.6	20.2	87.8
BASP01-C35	Channel	5.6	4.9	6.1	11.2
BASP01-C36	Channel	3.2	4.9	0.0	7.8
BASP01-C37	Channel	0.0	0.0	16.1	6.9
BASP01-C4	Channel	3.7	11.0	17.0	45.2
BASP01-C5	Channel	3.7	10.7	14.2	27.3
BASP01-C7	Channel	3.0	8.9	12.0	23.6
BASP01-C8	Channel	8.3	8.7	16.8	22.5
BASP01-C9	Channel	2.8	8.6	11.7	21.9
BASP01-D1	Drop Structure	21.5	54.5	65.7	91.1
BASP01-DW1	Weir	0.0	0.0	0.0	0.0
BASP01-P1	Pipe	17.3	41.9	49.9	83.9
BASP01-P10	Pipe	0.8	2.2	2.7	4.2
BASP01-P11	Pipe	4.3	10.2	12.5	23.6
BASP01-P12	Pipe	2.3	6.0	7.9	15.5
BASP01-P13	Pipe	0.9	4.1	5.4	7.3
BASP01-P14	Pipe	14.5	30.8	35.5	31.6
BASP01-P15	Pipe	5.1	11.2	12.8	13.5
BASP01-P16	Pipe	1.2	4.4	6.3	6.7
BASP01-P17	Pipe	0.7	1.5	1.8	2.3
BASP01-P18	Pipe	0.9	3.2	4.6	9.4
BASP01-P19	Pipe	4.3	13.6	18.7	52.8
BASP01-P2	Pipe	3.8	10.8	16.7	28.0
BASP01-P20	Pipe	4.4	14.0	19.3	44.3
BASP01-P21	Pipe	5.5	12.7	15.6	35.5
BASP01-P22	Pipe	0.4	0.7	0.8	1.0
BASP01-P23	Pipe	0.2	0.4	0.5	0.8
BASP01-P24	Pipe	0.6	2.5	3.5	5.2
BASP01-p25	Pipe	1.3	2.3	1.7	0.2
BASP01-P26	Pipe	1.5	1.2	0.8	0.2
BASP01-P27	Pipe	2.7	3.4	3.5	3.5
BASP01-P28	Pipe	3.1	4.4	4.8	6.0
BASP01-P29	Pipe	0.8	1.7	2.0	3.1
BASP01-P3	Pipe	3.7	10.7	14.2	27.3
BASP01-P4	Pipe	2.9	9.0	12.1	24.1
BASP01-P5	Pipe	2.8	8.7	11.7	21.2
BASP01-P59A	Pipe	0.2	0.5	0.8	1.6
BASP01-P59B	Pipe	1.3	0.9	1.4	1.4
BASP01-P6	Pipe	1.5	4.1	5.2	8.3
BASP01-P7	Pipe	0.0	7.1	0.0	8.0
BASP01-P8	Pipe	7.8	7.7	8.3	0.0

TABLE M-13  
CONDUIT PEAK FLOWS  
HILTON HEAD ISLAND WATERSHED  
FUTURE LAND USE

ICPR Conduit ID	Type	Future Land Use			
		2-Year	10-Year	25-Year	100-Year
		Design Storm	Design Storm	Design Storm	Design Storm
BASP01-P8A	Pipe	0.0	6.4	0.0	7.1
BASP01-P9	Pipe	0.9	4.9	6.1	16.8
BASP01-PW1	Weir	0.0	0.0	0.0	0.0
BASP01-PW10	Weir	0.0	0.0	0.0	3.5
BASP01-PW11	Weir	0.0	0.0	1.0	28.2
BASP01-PW12	Weir	0.0	0.0	0.0	9.1
BASP01-PW13	Weir	0.0	0.0	0.0	7.3
BASP01-PW14	Weir	0.0	0.0	0.0	0.0
BASP01-PW15	Weir	0.0	0.0	0.0	11.9
BASP01-PW16	Weir	0.0	0.0	0.0	7.1
BASP01-PW17	Weir	0.2	2.1	3.4	8.0
BASP01-PW19	Weir	0.0	1.7	4.1	17.3
BASP01-PW2	Weir	0.0	0.0	0.0	8.8
BASP01-PW20	Weir	0.0	1.9	4.5	26.2
BASP01-PW21	Weir	0.0	4.3	12.8	52.3
BASP01-PW22	Weir	0.0	0.0	0.0	0.8
BASP01-PW23	Weir	0.0	0.0	0.1	0.5
BASP01-PW24	Weir	0.0	0.0	0.0	0.0
BASP01-PW25	Weir	0.0	0.0	0.0	0.0
BASP01-PW26	Weir	0.0	0.0	0.0	0.0
BASP01-PW27	Weir	0.0	0.0	0.0	0.0
BASP01-PW28	Weir	0.0	0.0	0.0	0.0
BASP01-PW29	Weir	0.0	0.0	0.0	0.0
BASP01-PW3	Weir	0.0	0.0	0.0	0.0
BASP01-PW4	Weir	0.0	0.0	0.0	0.0
BASP01-PW5	Weir	0.0	0.0	0.0	3.9
BASP01-PW59A	Weir	0.0	0.0	0.0	2.4
BASP01-PW59B	Weir	0.0	0.0	0.0	0.4
BASP01-PW6	Weir	0.0	0.0	0.0	2.7
<b>SPP - Baynard Cove - Major Basin 2</b>					
BASP02-C1	Channel	18.7	42.2	51.0	83.6
BASP02-C2	Channel	18.7	42.3	51.3	84.4
BASP02-C3	Channel	18.7	42.5	51.7	85.9
BASP02-C4	Channel	14.7	30.7	36.7	56.6
BASP02-C5	Channel	14.0	29.8	35.6	56.1
BASP02-C6	Channel	8.9	13.8	16.3	20.2
BASP02-C7	Channel	9.0	14.3	15.2	26.2
BASP02-D1	Drop Structure	18.6	42.0	50.9	83.5
BASP02-DW1	Weir	0.0	0.0	0.0	0.0
BASP02-P1	Pipe	18.7	42.4	51.4	72.3
BASP02-P1a	Pipe	18.6	42.1	50.9	83.5
BASP02-P2	Pipe	14.5	30.4	36.4	44.1
BASP02-P3	Pipe	8.9	13.2	14.8	19.0
BASP02-P4	Pipe	9.1	12.6	14.4	18.5
BASP02-P5	Pipe	3.8	6.5	7.8	10.7
BASP02-P6	Pipe	3.4	6.0	6.4	7.2
BASP02-P7	Pipe	2.0	3.0	3.4	4.2
BASP02-P8	Pipe	2.0	3.0	3.3	4.1
BASP02-PW1	Weir	0.0	0.0	0.0	15.9
BASP02-PW1A	Weir	0.0	0.0	0.0	0.0
BASP02-PW2	Weir	0.0	0.0	0.0	25.0
BASP02-PW3	Weir	0.0	0.0	0.0	5.7
BASP02-PW4	Weir	0.0	13.0	16.7	49.8
BASP02-PW5	Weir	0.0	0.0	0.0	0.3
BASP02-PW6	Weir	0.0	1.9	5.3	8.8
BASP02-PW7	Weir	0.0	0.0	0.0	0.7
BASP02-PW8	Weir	0.0	0.0	0.0	3.5

TABLE M-13  
CONDUIT PEAK FLOWS  
HILTON HEAD ISLAND WATERSHED  
FUTURE LAND USE

ICPR Conduit ID	Type	Future Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
<b>SPP - Baynard Cove - Major Basin 3</b>					
BASP03-C3	Channel	16.1	27.8	32.4	43.4
BASP03-C4	Channel	14.4	26.7	33.5	70.5
BASP03-C6	Channel	5.5	11.2	12.3	13.8
BASP03-C7	Channel	5.4	10.9	12.1	13.0
BASP03-C8	Channel	4.0	8.1	8.7	9.2
BASP03-C9	Channel	12.2	26.3	32.0	37.3
BASP03-D1	Drop Structure	21.0	28.4	30.4	33.7
BASP03-P1	Pipe	21.3	40.2	48.5	90.1
BASP03-P2	Pipe	5.6	11.3	12.5	12.9
BASP03-P3	Pipe	5.5	11.0	12.2	12.6
BASP03-P4	Pipe	4.0	8.2	8.8	9.3
BASP03-P5	Pipe	3.9	8.0	8.7	9.1
BASP03-P6	Pipe	2.0	4.2	4.9	5.2
BASP03-P7	Pipe	1.0	2.2	2.6	2.8
BASP03-PW1	Weir	0.0	0.0	4.2	29.9
BASP03-PW2	Weir	0.0	0.0	2.8	8.7
BASP03-PW3	Weir	0.0	0.0	3.8	9.8
BASP03-PW4	Weir	0.0	0.0	1.0	5.4
BASP03-PW5	Weir	0.0	0.0	0.8	4.9
BASP03-PW6	Weir	0.0	0.0	0.0	0.0
BASP03-PW7	Weir	0.0	0.0	0.0	0.0
<b>SPP - Braddock Cove - Major Basin 1</b>					
BCSP01-D1	Drop Structure	14.0	27.7	33.1	43.4
BCSP01-D2	Drop Structure	4.7	6.7	7.4	8.7
BCSP01-DW1	Weir	0.0	0.0	0.0	0.0
BCSP01-DW2	Weir	0.0	0.0	0.0	0.0
BCSP01-P1	Pipe	4.7	6.7	7.4	8.7
<b>LCC - Broad Creek - Major Basin 1</b>					
BRLCC01-D1	Drop Structure	48.7	86.5	103.9	137.1
BRLCC01-D2	Drop Structure	16.4	20.0	23.6	24.6
BRLCC01-D3	Drop Structure	3.3	4.2	3.8	4.0
BRLCC01-D3A	Drop Structure	0.9	8.3	11.2	25.2
BRLCC01-D4	Drop Structure	11.5	15.5	16.8	24.2
BRLCC01-D5	Drop Structure	5.7	8.5	7.9	6.2
BRLCC01-D6	Drop Structure	10.1	15.3	15.1	12.7
BRLCC01-DW2	Weir	0.0	0.6	5.5	29.3
BRLCC01-DW3	Weir	0.0	5.4	16.6	40.2
BRLCC01-DW3A	Weir	0.0	0.0	0.0	13.1
BRLCC01-DW4	Weir	0.0	0.0	0.0	0.0
BRLCC01-DW5	Weir	0.0	0.0	0.0	5.0
BRLCC01-DW6	Weir	0.0	0.0	2.5	11.5
BRLCC01-P1	Pipe	3.2	3.9	3.8	3.9
BRLCC01-P10	Pipe	1.0	1.4	1.4	1.7
BRLCC01-P11	Pipe	4.2	5.4	5.7	6.4
BRLCC01-P12	Pipe	6.5	9.7	9.1	7.4
BRLCC01-P2	Pipe	9.2	15.6	17.1	19.4
BRLCC01-P3	Pipe	0.0	1.4	2.7	5.5
BRLCC01-P5	Pipe	19.2	26.4	27.8	27.7
BRLCC01-P6	Pipe	12.2	16.4	17.3	20.0
BRLCC01-P7	Pipe	1.8	3.6	4.3	5.9
BRLCC01-P8	Pipe	2.8	4.8	5.5	6.9
BRLCC01-P9	Pipe	4.2	6.5	7.3	8.7
BRLCC01-PW1	Weir	0.0	10.3	19.0	40.4
BRLCC01-PW10	Weir	0.0	0.0	0.0	0.0
BRLCC01-PW11	Weir	0.0	0.0	0.0	3.4
BRLCC01-PW12	Weir	0.0	0.0	0.0	5.2
BRLCC01-PW2	Weir	0.0	6.9	16.1	38.2
BRLCC01-PW3	Weir	0.0	0.0	0.0	3.7
BRLCC01-PW5	Weir	0.0	0.0	0.0	13.7
BRLCC01-PW6	Weir	0.0	0.0	0.0	4.4
BRLCC01-PW7	Weir	0.0	0.0	0.0	0.0
BRLCC01-PW8	Weir	0.0	0.0	0.0	0.0
BRLCC01-PW9	Weir	0.0	0.0	0.0	0.0
<b>LCC - Broad Creek - Major Basin 2</b>					
BRLCC02-P1	Pipe	6.5	6.7	7.1	7.9
BRLCC02-PW1	Weir	0.0	0.0	0.0	0.0

TABLE M-13  
CONDUIT PEAK FLOWS  
HILTON HEAD ISLAND WATERSHED  
FUTURE LAND USE

ICPR Conduit ID	Type	Future Land Use			
		2-Year	10-Year	25-Year	100-Year
		Design Storm	Design Storm	Design Storm	Design Storm
<b>PCT - Broad Creek - Major Basin 1</b>					
BRPCT01-P1	Pipe	6.0	9.9	11.5	14.8
BRPCT01-P2	Pipe	4.8	7.1	8.0	9.7
BRPCT01-P3	Pipe	4.8	7.1	8.0	9.6
BRPCT01-P4	Pipe	4.4	8.1	9.6	7.5
BRPCT01-P5	Pipe	1.6	2.0	2.3	1.9
BRPCT01-P6	Pipe	23.5	44.2	49.2	58.8
BRPCT01-P7	Pipe	12.0	17.5	19.9	18.0
BRPCT01-PW1	Weir	0.0	0.0	0.0	0.3
BRPCT01-PW2	Weir	0.0	0.0	0.0	0.5
BRPCT01-PW3	Weir	0.0	0.0	0.0	1.1
BRPCT01-PW4	Weir	0.0	0.0	0.0	0.0
BRPCT01-PW5	Weir	0.0	0.0	0.0	0.0
BRPCT01-PW6	Weir	0.0	0.1	8.2	44.4
BRPCT01-PW7	Weir	0.0	0.0	3.9	30.8
<b>PCT - Broad Creek - Major Basin 2</b>					
BRPCT02-P1	Pipe	16.6	23.2	25.5	30.5
BRPCT02-P2	Pipe	16.6	23.1	25.5	30.5
BRPCT02-P3	Pipe	16.6	23.1	25.5	30.5
BRPCT02-P4	Pipe	9.7	12.8	14.0	16.3
BRPCT02-P5	Pipe	9.7	12.8	14.0	14.3
BRPCT02-P6	Pipe	9.7	12.8	13.5	13.2
BRPCT02-PW1	Weir	0.0	0.0	0.0	0.0
BRPCT02-PW2	Weir	0.0	0.0	0.0	0.0
BRPCT02-PW3	Weir	0.0	0.0	0.0	0.0
BRPCT02-PW4	Weir	0.0	0.0	0.0	3.7
BRPCT02-PW5	Weir	0.0	0.0	0.0	7.7
BRPCT02-PW6	Weir	0.0	0.0	1.8	11.6
BRPCT02-W1	Weir	16.6	23.1	25.5	30.5
<b>PDP - Broad Creek - Major Basin 1</b>					
BRPDP01-C10	Channel	12.2	57.7	72.8	39.5
BRPDP01-C101	Channel	11.2	13.1	13.7	13.9
BRPDP01-C102	Channel	9.9	11.9	12.4	12.3
BRPDP01-C103	Channel	7.5	9.7	10.2	11.7
BRPDP01-C104	Channel	10.3	15.6	17.2	32.6
BRPDP01-C105	Channel	10.3	15.6	17.2	32.6
BRPDP01-C13	Channel	49.3	87.8	100.6	147.4
BRPDP01-C14	Channel	76.2	115.2	128.4	179.0
BRPDP01-C15	Channel	76.2	115.2	128.4	179.0
BRPDP01-C16	Channel	79.9	217.3	271.2	208.8
BRPDP01-C17	Channel	71.0	111.5	125.0	167.6
BRPDP01-C18	Channel	54.7	97.1	111.0	156.6
BRPDP01-C19	Channel	39.8	57.3	62.1	91.0
BRPDP01-C2	Channel	299.4	519.2	558.6	629.0
BRPDP01-C20	Channel	32.2	50.6	55.6	84.4
BRPDP01-C21	Channel	28.1	46.0	51.4	76.5
BRPDP01-C22	Channel	26.7	43.0	48.6	67.1
BRPDP01-C23	Channel	191.5	382.8	432.0	433.5
BRPDP01-C24	Channel	188.5	312.8	339.5	429.8
BRPDP01-C25	Channel	181.9	281.7	323.6	414.1
BRPDP01-C26	Channel	176.5	275.4	316.4	408.0
BRPDP01-C27	Channel	205.9	335.6	384.4	587.8
BRPDP01-C28	Channel	109.6	206.9	239.2	421.3
BRPDP01-C29	Channel	106.5	203.6	235.9	419.3
BRPDP01-C3	Channel	294.2	476.9	527.1	622.1
BRPDP01-C30	Channel	98.8	195.5	227.6	410.9
BRPDP01-C31	Channel	80.7	147.4	162.9	236.6
BRPDP01-C32	Channel	72.5	138.9	154.4	226.4
BRPDP01-C33	Channel	66.6	132.8	148.3	220.7
BRPDP01-C34	Channel	54.9	116.1	129.7	203.6
BRPDP01-C35	Channel	45.1	106.0	119.5	200.3
BRPDP01-C36	Channel	35.7	96.5	110.0	207.1
BRPDP01-C37	Channel	30.5	45.5	55.5	77.2
BRPDP01-C38	Channel	24.7	35.1	48.2	146.7
BRPDP01-C39	Channel	24.7	37.5	48.2	146.7
BRPDP01-C4	Channel	287.2	448.0	506.7	613.8

TABLE M-13  
CONDUIT PEAK FLOWS  
HILTON HEAD ISLAND WATERSHED  
FUTURE LAND USE

ICPR Conduit ID	Type	Future Land Use			
		2-Year	10-Year	25-Year	100-Year
		Design Storm	Design Storm	Design Storm	Design Storm
BRPDP01-C40	Channel	26.4	37.0	48.9	166.8
BRPDP01-C46	Channel	43.4	49.2	46.8	27.4
BRPDP01-C47	Channel	42.0	49.8	48.8	18.0
BRPDP01-C5	Channel	280.3	425.3	483.7	595.8
BRPDP01-C50	Channel	37.6	65.3	74.8	155.4
BRPDP01-C51	Channel	33.2	59.3	68.5	3125.1
BRPDP01-C52	Channel	28.2	55.2	65.2	232.3
BRPDP01-C53	Channel	26.3	53.3	63.2	98.0
BRPDP01-C54	Channel	24.5	51.4	61.1	93.8
BRPDP01-C55	Channel	20.2	46.9	56.4	87.7
BRPDP01-C56	Channel	13.4	36.5	43.8	77.0
BRPDP01-C6	Channel	275.4	418.2	475.9	590.2
BRPDP01-C60	Channel	85.6	128.7	154.3	237.6
BRPDP01-C61	Channel	82.2	125.1	130.0	160.1
BRPDP01-C62	Channel	74.5	116.9	121.1	149.2
BRPDP01-C63	Channel	69.0	111.3	115.3	145.3
BRPDP01-C64	Channel	56.8	87.7	80.1	65.5
BRPDP01-C65	Channel	55.3	106.7	106.8	110.0
BRPDP01-C66	Channel	47.9	98.1	101.1	118.7
BRPDP01-C67	Channel	32.6	63.4	61.2	77.9
BRPDP01-C68	Channel	29.5	103.4	105.3	118.8
BRPDP01-C69	Channel	29.5	103.4	105.3	118.8
BRPDP01-C7	Channel	271.1	412.2	469.6	585.1
BRPDP01-C70	Channel	18.5	99.3	104.6	130.0
BRPDP01-C71	Channel	16.1	97.6	105.0	154.6
BRPDP01-C72	Channel	20.3	178.9	185.2	188.6
BRPDP01-C73	Channel	70.8	3505.3	3534.0	68.2
BRPDP01-C74	Channel	79.4	3505.3	3534.0	892.4
BRPDP01-C8	Channel	85.9	138.2	162.8	257.0
BRPDP01-C80	Channel	173.2	282.4	323.2	432.5
BRPDP01-C81	Channel	168.2	278.1	316.5	424.5
BRPDP01-C82	Channel	154.0	260.3	297.2	403.4
BRPDP01-C83	Channel	137.3	241.3	278.2	388.5
BRPDP01-C9	Channel	12.2	57.7	72.8	39.5
BRPDP01-C90	Channel	140.0	193.7	216.0	291.1
BRPDP01-C91	Channel	133.7	187.3	209.5	284.4
BRPDP01-C93	Channel	127.3	180.6	202.9	277.2
BRPDP01-P10	Pipe	53.8	50.0	72.5	91.7
BRPDP01-P100	Pipe	11.2	13.1	13.7	13.9
BRPDP01-P11	Pipe	12.5	34.7	41.0	73.5
BRPDP01-P11A	Pipe	25.6	77.3	24.7	0.0
BRPDP01-P12	Pipe	214.9	0.0	306.2	429.7
BRPDP01-P13	Pipe	121.1	98.6	188.4	137.6
BRPDP01-P14	Pipe	141.7	246.5	283.6	392.3
BRPDP01-P15	Pipe	129.3	182.7	204.9	279.6
BRPDP01-P1A	Pipe	637.8	1246.8	1422.3	1070.6
BRPDP01-P1B	Pipe	148.9	202.9	225.1	300.5
BRPDP01-P2	Pipe	301.5	579.2	662.3	631.6
BRPDP01-P3	Pipe	15.3	50.3	65.2	31.5
BRPDP01-P4	Pipe	82.6	122.3	135.5	179.8
BRPDP01-P5	Pipe	38.2	44.1	56.1	108.7
BRPDP01-P6	Pipe	205.2	335.0	383.7	587.3
BRPDP01-P7	Pipe	76.5	143.1	158.5	231.1
BRPDP01-P8	Pipe	131.1	121.2	164.8	207.0
BRPDP01-P9	Pipe	0.0	387.1	0.0	0.0
<b>PRP - Broad Creek - Major Basin 1</b>					
BRPRP01-C1	Channel	78.6	139.7	167.2	277.5
BRPRP01-C10	Channel	21.4	55.5	79.1	158.8
BRPRP01-C11	Channel	18.3	49.8	71.8	144.7
BRPRP01-C16	Channel	14.2	48.1	92.5	237.3
BRPRP01-C17	Channel	7.5	23.9	83.7	173.0
BRPRP01-C18	Channel	4.1	20.2	33.9	98.7
BRPRP01-C19	Channel	4.2	19.9	33.6	98.1
BRPRP01-C2	Channel	46.7	91.9	114.2	239.8
BRPRP01-C20	Channel	1.9	19.0	32.6	94.3
BRPRP01-C21	Channel	1.8	18.8	32.3	93.8
BRPRP01-C22	Channel	1.8	18.6	32.1	93.4
BRPRP01-C23	Channel	0.5	6.9	13.0	49.5
BRPRP01-C24	Channel	0.4	5.6	10.8	39.1
BRPRP01-C25	Channel	0.4	5.6	10.6	37.1
BRPRP01-C26	Channel	0.6	5.7	10.7	35.8
BRPRP01-C27	Channel	0.4	5.1	10.0	34.3
BRPRP01-C28	Channel	0.5	5.0	9.7	31.8
BRPRP01-C3	Channel	46.2	91.6	113.9	239.2
BRPRP01-C39	Channel	1.3	11.6	21.2	70.7
BRPRP01-C4	Channel	45.9	91.3	113.7	239.4
BRPRP01-C40	Channel	1.3	11.6	18.9	48.5
BRPRP01-C41	Channel	2.2	11.5	18.7	46.6
BRPRP01-C42	Channel	2.1	11.3	18.5	45.3
BRPRP01-C5	Channel	45.7	91.2	113.5	239.9

TABLE M-13  
CONDUIT PEAK FLOWS  
HILTON HEAD ISLAND WATERSHED  
FUTURE LAND USE

ICPR Conduit ID	Type	Future Land Use			
		2-Year	10-Year	25-Year	100-Year
		Design Storm	Design Storm	Design Storm	Design Storm
BRPRP01-C6	Channel	26.6	63.6	81.4	163.4
BRPRP01-C61	Channel	3.8	11.0	14.4	46.3
BRPRP01-C65	Channel	6.7	12.8	16.6	45.3
BRPRP01-C7	Channel	24.8	62.8	79.8	158.8
BRPRP01-C8	Channel	22.1	55.4	78.8	165.2
BRPRP01-C9	Channel	21.7	55.4	78.8	191.0
BRPRP01-P1	Pipe	58.4	107.8	128.4	190.2
BRPRP01-P10	Pipe	1.0	1.9	3.3	14.4
BRPRP01-P11	Pipe	1.6	1.9	4.9	110.3
BRPRP01-P12	Pipe	6.6	6.6	10.5	17.2
BRPRP01-P13	Pipe	0.2	1.7	2.9	14.5
BRPRP01-P2	Pipe	26.7	48.6	59.6	118.0
BRPRP01-P3	Pipe	14.6	38.1	52.8	99.3
BRPRP01-P4	Pipe	11.6	25.4	28.8	63.4
BRPRP01-P40	Pipe	7.8	19.3	18.7	45.8
BRPRP01-P46	Pipe	1.2	9.4	15.5	123.4
BRPRP01-P47	Pipe	0.0	1.5	2.5	1.8
BRPRP01-P5	Pipe	21.9	55.3	78.6	310.5
BRPRP01-P5A	Pipe	23.4	50.4	72.5	145.3
BRPRP01-P6	Pipe	1.8	5.7	42.3	47.9
BRPRP01-P61	Pipe	3.4	10.9	14.4	61.8
BRPRP01-P66	Pipe	4.2	12.7	16.6	46.4
BRPRP01-P7	Pipe	6.0	19.6	153.3	171.5
BRPRP01-P8	Pipe	2.8	18.8	24.7	36.4
BRPRP01-P9	Pipe	0.7	2.0	3.3	13.2
BRPRP01-PW1	Weir	0.0	0.0	0.0	0.0
BRPRP01-PW11	Weir	0.0	0.0	0.0	0.0
BRPRP01-PW12	Weir	0.0	0.0	0.0	0.0
BRPRP01-PW13	Weir	0.0	0.0	0.0	0.0
BRPRP01-PW3	Weir	0.0	0.0	0.0	0.0
BRPRP01-PW40	Weir	0.0	0.0	0.0	7.0
BRPRP01-PW5	Weir	0.0	0.0	0.0	0.0
BRPRP01-PW5A	Weir	0.0	0.0	0.0	0.0
BRPRP01-PW6	Weir	0.0	0.0	0.0	0.0
BRPRP01-PW61	Weir	0.0	0.0	0.0	0.0
BRPRP01-PW66	Weir	0.0	0.0	0.0	0.0
BRPRP01-PW8	Weir	0.0	0.0	0.0	0.0
BRPRP01-PW9	Weir	0.0	0.0	0.0	10.1
BRPRP01-W1	Weir	0.2	3.8	8.0	104.0
<b>WEX - Broad Creek - Major Basin 1</b>					
BRWEX01-C1	Channel	37.0	71.8	82.0	103.4
BRWEX01-C10	Channel	81.3	156.1	192.9	314.4
BRWEX01-C11	Channel	77.7	151.9	172.3	191.1
BRWEX01-C12	Channel	77.7	151.9	172.3	191.1
BRWEX01-C13	Channel	81.4	155.6	173.9	184.8
BRWEX01-C14	Channel	83.2	155.9	174.4	184.0
BRWEX01-C14A	Channel	82.3	155.7	174.1	184.3
BRWEX01-C15	Channel	106.5	153.8	173.5	351.7
BRWEX01-C16	Channel	84.5	96.2	97.0	121.7
BRWEX01-C17	Channel	86.9	91.8	91.8	121.8
BRWEX01-C18	Channel	99.0	128.4	132.0	159.7
BRWEX01-C19	Channel	90.6	94.6	95.1	126.4
BRWEX01-C2	Channel	39.1	73.2	82.9	104.4
BRWEX01-C20	Channel	90.9	94.0	94.3	126.1
BRWEX01-C21	Channel	44.0	44.3	43.9	42.8
BRWEX01-C22	Channel	17.0	34.6	49.3	134.3
BRWEX01-C23	Channel	5.0	2.3	8.7	38.6
BRWEX01-C24	Channel	6.1	4.9	14.4	46.4
BRWEX01-C25	Channel	6.8	6.4	39.4	52.7
BRWEX01-C26	Channel	6.8	6.5	11.7	52.7
BRWEX01-C27	Channel	7.3	8.8	12.1	55.5
BRWEX01-C28	Channel	28.6	26.1	32.1	86.0
BRWEX01-C29	Channel	85.1	100.3	113.4	179.8
BRWEX01-C3	Channel	83.0	179.1	202.2	258.8
BRWEX01-C30	Channel	79.5	99.7	114.1	189.0
BRWEX01-C31	Channel	46.2	52.2	56.1	66.0
BRWEX01-C32	Channel	70.4	96.5	112.5	119.3
BRWEX01-C33	Channel	59.0	81.1	96.7	148.0
BRWEX01-C34	Channel	59.0	81.1	96.7	148.0
BRWEX01-C35	Channel	46.7	57.6	52.7	59.4
BRWEX01-C36	Channel	46.6	57.5	52.6	59.5
BRWEX01-C4	Channel	230.1	237.0	217.2	332.4
BRWEX01-C5	Channel	223.4	230.2	178.6	243.1
BRWEX01-C50	Channel	38.3	81.2	71.9	81.9
BRWEX01-C51	Channel	36.7	76.4	67.5	76.5
BRWEX01-C52	Channel	27.9	52.9	47.0	69.5
BRWEX01-C53	Channel	40.5	52.6	78.7	50.0
BRWEX01-C6	Channel	81.5	156.9	178.8	243.0
BRWEX01-C7	Channel	81.1	156.6	179.2	242.9
BRWEX01-C70	Channel	28.0	29.6	34.7	50.3

TABLE M-13  
CONDUIT PEAK FLOWS  
HILTON HEAD ISLAND WATERSHED  
FUTURE LAND USE

ICPR Conduit ID	Type	Future Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
BRWEX01-C71	Channel	39.7	90.9	143.4	98.9
BRWEX01-C72	Channel	38.1	84.5	140.0	90.6
BRWEX01-C73	Channel	38.1	84.5	95.6	90.6
BRWEX01-C74	Channel	38.2	38.2	60.6	72.8
BRWEX01-C75	Channel	65.5	65.5	65.5	76.5
BRWEX01-C8	Channel	77.9	151.8	185.7	283.8
BRWEX01-C80	Channel	46.6	57.5	52.6	59.5
BRWEX01-C81	Channel	51.6	62.4	60.7	69.1
BRWEX01-C82	Channel	51.6	62.4	60.7	69.1
BRWEX01-C83	Channel	47.5	56.7	61.4	73.1
BRWEX01-C84	Channel	27.3	65.9	77.6	122.7
BRWEX01-C85	Channel	27.3	65.9	77.6	122.7
BRWEX01-C86	Channel	29.3	65.2	78.3	134.8
BRWEX01-C9	Channel	79.6	154.1	189.7	300.5
BRWEX01-D50	Drop Structure	35.4	46.8	49.1	49.5
BRWEX01-D60	Drop Structure	0.0	3.0	3.8	5.3
BRWEX01-DW50	Weir	0.0	0.0	3.5	16.3
BRWEX01-DW63	Weir	0.0	0.0	0.0	0.0
BRWEX01-P1	Pipe	36.8	68.6	70.3	28.5
BRWEX01-P2	Pipe	82.1	157.2	178.6	243.1
BRWEX01-P3	Pipe	76.5	149.7	170.3	231.5
BRWEX01-P3A	Pipe	81.4	155.6	173.9	184.8
BRWEX01-P4	Pipe	82.9	155.8	174.3	184.0
BRWEX01-P5	Pipe	99.0	128.4	132.0	159.7
BRWEX01-P50	Pipe	8.0	18.6	19.3	20.8
BRWEX01-P50A	Pipe	42.2	52.6	54.7	57.1
BRWEX01-P60	Pipe	30.0	41.1	46.3	50.7
BRWEX01-P61	Pipe	25.7	26.6	19.2	26.4
BRWEX01-P62	Pipe	13.0	15.0	16.6	15.8
BRWEX01-P63	Pipe	13.3	18.5	19.7	17.6
BRWEX01-P64	Pipe	0.0	1.2	1.7	2.0
BRWEX01-P7	Pipe	28.6	26.1	32.1	86.0
BRWEX01-P70	Pipe	66.6	66.6	66.6	76.5
BRWEX01-P7A	Pipe	387.9	117.0	108.1	86.3
BRWEX01-PS	Rating Curve	75.0	75.0	150.0	150.0
BRWEX01-PS2	Rating Curve	92.0	92.0	92.0	92.0
BRWEX01-PW1	Weir	0.0	0.0	0.0	0.0
BRWEX01-PW2	Weir	0.0	0.0	0.0	0.0
BRWEX01-PW3	Weir	0.0	0.0	0.0	0.0
BRWEX01-PW3A	Weir	0.0	0.0	0.0	0.0
BRWEX01-PW4	Weir	0.0	0.0	0.0	0.0

TABLE M-13  
CONDUIT PEAK FLOWS  
HILTON HEAD ISLAND WATERSHED  
FUTURE LAND USE

ICPR Conduit ID	Type	Future Land Use			
		2-Year	10-Year	25-Year	100-Year
		Design Storm	Design Storm	Design Storm	Design Storm
BRWEX01-PW5	Weir	0.0	0.0	0.0	0.0
BRWEX01-PW50	Weir	0.0	0.0	0.0	0.0
BRWEX01-PW60	Weir	0.0	0.0	0.0	0.0
BRWEX01-PW61	Weir	0.0	32.0	43.5	42.1
BRWEX01-PW62	Weir	0.0	3.3	12.0	18.7
BRWEX01-PW63	Weir	0.0	6.7	19.7	29.4
BRWEX01-PW64	Weir	0.0	0.0	0.5	1.5
BRWEX01-PW7	Weir	0.0	0.0	0.0	0.0
BRWEX01-PW70	Weir	0.0	0.0	0.0	0.0
BRWEX01-PW7A	Weir	0.0	0.0	0.0	0.0
BRWEX01-W1	Weir	36.8	71.8	82.0	103.4
<b>WEX - Broad Creek - Major Basin 2</b>					
BRWEX02-C1	Channel	12.8	24.5	27.4	40.0
BRWEX02-C2	Channel	17.9	35.0	41.4	52.8
BRWEX02-C3	Channel	17.9	35.0	41.4	52.8
BRWEX02-C4	Channel	13.9	20.8	23.0	16.1
BRWEX02-C5	Channel	20.1	34.5	40.2	46.3
BRWEX02-C6	Channel	20.1	34.5	40.2	46.3
BRWEX02-C7	Channel	24.2	43.4	51.1	64.5
BRWEX02-C8	Channel	28.3	51.9	61.5	82.7
BRWEX02-C9	Channel	28.3	51.9	61.5	82.7
BRWEX02-P1	Pipe	13.0	24.2	27.0	37.2
BRWEX02-P2	Pipe	13.0	24.2	26.5	26.5
BRWEX02-PW1	Weir	0.0	0.0	0.0	2.5
BRWEX02-PW2	Weir	0.0	0.0	0.6	22.5
BRWEX02-W1	Weir	41.1	83.1	98.9	157.0
<b>XNG - Broad Creek - Major Basin 1</b>					
BRXNG01-C1	Channel	74.8	131.1	154.2	197.7
BRXNG01-C10	Channel	18.7	27.6	34.8	43.1
BRXNG01-C11	Channel	17.1	25.4	32.2	38.8
BRXNG01-C12	Channel	20.8	29.2	34.6	47.1
BRXNG01-C13	Channel	22.4	38.8	45.7	61.1
BRXNG01-C14	Channel	23.8	47.4	55.6	73.8
BRXNG01-C2	Channel	74.9	131.2	154.4	197.8
BRXNG01-C3	Channel	63.8	107.6	127.1	164.2
BRXNG01-C4	Channel	63.8	107.2	126.8	163.7
BRXNG01-C5	Channel	66.5	105.8	126.0	159.2
BRXNG01-C6	Channel	66.7	106.0	126.0	159.3
BRXNG01-C7	Channel	66.9	106.4	126.1	159.5
BRXNG01-C8	Channel	29.1	41.8	47.3	61.3
BRXNG01-C9	Channel	19.6	28.5	35.8	44.0
BRXNG01-D1	Drop Structure	67.0	106.6	137.4	159.6
BRXNG01-P1	Pipe	74.8	131.1	154.1	197.7
BRXNG01-P2	Pipe	21.9	31.6	39.6	52.4
<b>SPP - Calibogue Sound - Major Basin 1</b>					
CASP01-P1	Pipe	33.4	44.1	49.3	57.9
CASP01-P2	Pipe	32.8	44.5	49.8	59.5
CASP01-PW2	Weir	0.0	0.0	0.0	0.0
CASP01-W1	Weir	0.0	0.0	0.0	0.0
<b>SPP - Calibogue Sound - Major Basin 2</b>					
CASP02-P1	Pipe	14.7	15.5	15.5	15.5
CASP02-PW1	Weir	0.0	10.1	17.6	31.7
CASP02-W1	Weir	13.9	25.0	31.7	44.0
<b>PRP - Fish Haul Creek - Major Basin 1</b>					
FHPRP01-C1	Channel	323.4	461.8	510.2	595.0
FHPRP01-C10	Channel	99.2	137.3	153.3	224.9
FHPRP01-C11	Channel	100.9	160.7	187.2	332.2
FHPRP01-C12	Channel	111.2	185.2	218.8	408.8
FHPRP01-C13	Channel	73.4	91.6	99.3	101.0
FHPRP01-C14	Channel	73.6	94.8	103.9	113.7
FHPRP01-C2	Channel	191.1	266.2	286.4	342.5
FHPRP01-C3	Channel	140.5	225.8	248.5	300.8
FHPRP01-C4	Channel	101.5	124.1	139.4	191.5
FHPRP01-C5	Channel	103.5	124.1	138.3	186.9
FHPRP01-C6	Channel	98.9	122.0	134.0	175.0
FHPRP01-C7	Channel	105.4	124.3	136.2	168.4
FHPRP01-C8	Channel	96.1	123.7	136.4	154.8
FHPRP01-C9	Channel	98.5	133.3	146.9	199.5
FHPRP01-P1	Pipe	161.9	237.8	259.0	316.6
FHPRP01-P2	Pipe	101.5	124.1	139.4	190.8
FHPRP01-P3	Pipe	99.1	122.2	131.6	136.1
FHPRP01-P3A	Pipe	2.7	2.7	2.6	2.4
FHPRP01-P4	Pipe	36.1	41.2	41.9	42.0
FHPRP01-P5	Pipe	38.0	43.3	44.1	44.2
FHPRP01-PW1	Weir	0.0	0.0	0.0	4.2
FHPRP01-PW2	Weir	0.0	0.0	0.0	12.6
FHPRP01-PW3	Weir	0.0	0.0	1.7	36.2
FHPRP01-PW4	Weir	0.0	14.2	24.5	46.6
FHPRP01-PW5	Weir	0.0	0.0	0.0	0.0



TABLE M-13  
CONDUIT PEAK FLOWS  
HILTON HEAD ISLAND WATERSHED  
FUTURE LAND USE

ICPR Conduit ID	Type	Future Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
<b>SPP - Lawton Canal - Major Basin 1</b>					
LCSP01-C1	Channel	173.2	293.9	337.1	855.9
LCSP01-C11	Channel	44.6	76.4	95.3	114.5
LCSP01-C12	Channel	48.1	80.8	99.7	122.5
LCSP01-C13	Channel	52.6	88.6	106.6	132.0
LCSP01-C14	Channel	52.6	88.6	106.6	132.0
LCSP01-C15	Channel	53.8	85.1	104.6	130.3
LCSP01-C16	Channel	717.2	717.1	184.7	711.4
LCSP01-C17	Channel	110.0	170.7	197.0	268.7
LCSP01-C18	Channel	133.5	217.4	251.8	343.3
LCSP01-C19	Channel	185.2	306.5	367.7	563.9
LCSP01-C2	Channel	172.0	286.1	333.1	415.1
LCSP01-C20	Channel	185.2	306.5	367.7	563.9
LCSP01-C21	Channel	190.2	996.1	1041.1	1154.6
LCSP01-C22	Channel	191.0	324.6	392.5	579.1
LCSP01-C23	Channel	191.6	326.1	393.7	578.4
LCSP01-C24	Channel	140.8	138.7	143.2	140.1
LCSP01-C25	Channel	46.7	59.0	54.8	60.4
LCSP01-C26	Channel	179.2	179.2	179.2	179.2
LCSP01-C3	Channel	116.8	164.1	182.2	225.6
LCSP01-C30	Channel	3.6	6.8	8.0	12.0
LCSP01-C31	Channel	13.6	20.1	21.8	29.0
LCSP01-C32	Channel	13.6	20.1	21.8	29.0
LCSP01-C33	Channel	17.6	24.7	26.7	36.7
LCSP01-C35	Channel	2.5	15.3	21.6	45.4
LCSP01-C36	Channel	5.9	13.1	90.2	123.4
LCSP01-C37	Channel	7.7	26.4	1721.8	1437.3
LCSP01-C38	Channel	6.4	16.8	47.9	69.3
LCSP01-C39	Channel	62.6	86.8	91.0	98.0
LCSP01-C4	Channel	113.4	159.1	176.1	208.1
LCSP01-C49A	Channel	8.0	15.6	19.4	27.7
LCSP01-C5	Channel	113.0	158.7	175.6	207.6
LCSP01-C50	Channel	0.6	6.0	7.2	9.9
LCSP01-C51	Channel	2.2	5.8	6.5	8.4
LCSP01-C51A	Channel	2.2	5.8	6.5	8.4
LCSP01-C52	Channel	1.4	5.5	6.1	8.2
LCSP01-C53	Channel	1.4	5.5	6.1	8.1
LCSP01-C6	Channel	112.4	159.9	180.8	211.4
LCSP01-C7	Channel	61.5	105.8	125.0	155.5
LCSP01-C71	Channel	13.1	26.0	29.5	44.1
LCSP01-C72	Channel	13.2	26.6	30.3	49.7
LCSP01-C73	Channel	13.3	27.0	30.9	58.2
LCSP01-C74	Channel	6.2	136.5	136.3	136.1
LCSP01-C8	Channel	61.5	105.8	125.0	155.5
LCSP01-C85	Channel	13.3	15.3	22.8	20.1
LCSP01-C9	Channel	57.8	96.8	112.6	143.2
LCSP01-D1	Drop Structure	3.2	6.6	8.2	13.6
LCSP01-D4	Drop Structure	48.1	80.8	99.7	122.5
LCSP01-D50	Drop Structure	11.0	20.5	22.5	25.7
LCSP01-D51	Drop Structure	7.8	16.4	20.5	29.1
LCSP01-D70	Drop Structure	6.2	14.8	16.5	17.5
LCSP01-DW1	Weir	0.0	0.0	0.0	0.0
LCSP01-DW4	Weir	0.0	0.0	0.0	0.0
LCSP01-DW50	Weir	0.0	0.0	0.0	0.0
LCSP01-DW51	Weir	0.0	0.0	0.0	0.0
LCSP01-DW70	Weir	0.0	0.0	0.0	0.0
LCSP01-P1	Pipe	154.0	222.9	242.9	276.0
LCSP01-P2	Pipe	113.1	158.8	175.8	207.8
LCSP01-P3	Pipe	57.4	89.2	100.5	130.6
LCSP01-P31	Pipe	13.6	20.1	21.8	28.2
LCSP01-P32	Pipe	17.6	24.7	26.7	29.0
LCSP01-P4	Pipe	46.3	58.7	54.1	59.9
LCSP01-P51	Pipe	0.3	1.7	3.4	4.5
LCSP01-P52	Pipe	1.4	5.5	6.1	8.2
LCSP01-P53	Pipe	1.4	5.5	6.1	8.2
LCSP01-P54	Pipe	1.4	5.6	6.2	8.1
LCSP01-P71	Pipe	13.0	25.7	29.1	42.7
LCSP01-P72	Pipe	13.1	26.3	29.9	45.5
LCSP01-P73	Pipe	13.3	26.7	30.5	52.2
LCSP01-P73A	Pipe	13.2	26.4	30.0	46.3
LCSP01-P85	Pipe	13.8	13.1	12.8	13.1
LCSP01-PSRC	Rating Curve	66.8	133.7	133.7	200.5
LCSP01-PW3	Weir	0.0	0.0	0.0	0.0
LCSP01-PW31	Weir	0.0	0.0	0.0	2.3
LCSP01-PW32	Weir	0.0	0.0	0.6	15.0
LCSP01-PW4	Weir	0.0	0.0	0.0	0.0
LCSP01-PW71	Weir	0.0	0.0	0.0	0.0
LCSP01-PW72	Weir	0.0	0.0	0.0	0.0
LCSP01-PW73	Weir	0.0	0.0	0.0	0.0
LCSP01-PW73A	Weir	0.0	0.0	0.0	0.0

TABLE M-13  
CONDUIT PEAK FLOWS  
HILTON HEAD ISLAND WATERSHED  
FUTURE LAND USE

ICPR Conduit ID	Type	Future Land Use			
		2-Year	10-Year	25-Year	100-Year
		Design Storm	Design Storm	Design Storm	Design Storm
LCSP01-PW85	Weir	0.0	0.0	0.0	0.0
LCSP01-W1	Weir	67.2	121.4	129.1	163.2
LCSP01-W100	Weir	8784.1	8784.1	8784.1	8784.1
LCSP01-W1A	Weir	0.0	1.9	18.7	39.5
<b>SPP - PCT Creek - Major Basin 1</b>					
PCSP01-C1	Channel	182.6	255.7	280.7	328.9
PCSP01-C10	Channel	53.6	66.9	76.1	75.7
PCSP01-C11	Channel	7.3	10.2	9.8	9.6
PCSP01-C11A	Channel	9.2	12.1	11.7	11.4
PCSP01-C12	Channel	4.1	6.8	7.1	6.0
PCSP01-C13	Channel	3.1	7.4	8.6	13.8
PCSP01-C14	Channel	0.0	1.6	7.4	37.9
PCSP01-C14A	Channel	3.3	8.8	11.5	18.2
PCSP01-C15	Channel	49.4	53.1	57.7	70.6
PCSP01-C2	Channel	178.1	251.7	278.0	331.1
PCSP01-C3	Channel	162.9	214.3	231.2	259.9
PCSP01-C4	Channel	162.8	214.7	232.2	260.4
PCSP01-C5	Channel	168.1	223.9	242.6	271.4
PCSP01-C6	Channel	168.1	223.8	242.9	276.9
PCSP01-C7	Channel	168.4	227.9	260.5	332.1
PCSP01-C8	Channel	92.4	118.4	128.5	154.8
PCSP01-C9	Channel	93.0	114.8	122.5	150.4
PCSP01-D1	Drop Structure	0.0	0.0	0.0	0.0
PCSP01-DW1	Weir	0.0	1.6	7.4	37.9
PCSP01-P1	Pipe	112.4	159.8	175.4	203.4
PCSP01-P1A	Pipe	71.9	97.2	106.3	127.9
PCSP01-P2	Pipe	168.1	217.2	220.0	217.6
PCSP01-P3	Pipe	9.2	12.1	11.7	11.4
PCSP01-P4	Pipe	3.1	7.9	9.2	16.4
PCSP01-P5	Pipe	46.0	64.7	65.4	69.5
PCSP01-P6	Pipe	63.1	77.9	83.6	95.5
PCSP01-PW1	Weir	0.0	0.0	0.0	0.0
PCSP01-PW2	Weir	0.0	6.7	22.6	57.9
PCSP01-PW4	Weir	0.0	0.0	0.0	0.0
PCSP01-PW5	Weir	0.0	0.0	0.0	5.1
PCSP01-PW6	Weir	0.0	0.0	0.0	17.1
<b>SPP - PCT Creek - Major Basin 2</b>					
PCSP02-C1	Channel	89.4	139.5	156.1	191.5
PCSP02-C2	Channel	89.1	139.5	156.0	191.4
PCSP02-C3	Channel	87.3	138.2	154.5	186.8
PCSP02-P1	Pipe	52.0	73.7	79.5	88.7
PCSP02-P2	Pipe	25.8	26.0	26.2	26.6
PCSP02-PW1	Weir	0.0	0.0	0.0	0.0
PCSP02-PW2	Weir	19.3	58.2	73.6	106.4
<b>Chaplan - Broad Creek Outfall - Major Basin 1</b>					
BRHP01-C1	Channel	57.5	58.1	58.5	59.3
BRHP01-C10	Channel	51.2	102.8	129.3	185.2
BRHP01-C11	Channel	51.2	102.8	129.3	185.4
BRHP01-C2	Channel	104.3	104.3	104.3	104.3
BRHP01-C2A	Channel	60.7	147.3	185.9	266.4
BRHP01-C3	Channel	62.1	113.2	143.0	207.1
BRHP01-C4	Channel	62.3	113.2	142.9	207.0
BRHP01-C5	Channel	52.9	105.4	132.5	189.9
BRHP01-C6	Channel	52.8	105.3	132.3	189.5
BRHP01-P1	Pipe	58.2	58.4	58.8	59.6
BRHP01-P10	Pipe	29.1	35.4	35.2	33.7
BRHP01-P10A	Pipe	23.9	32.6	32.9	31.9
BRHP01-P2	Pipe	57.5	58.2	58.5	59.3
BRHP01-P3	Pipe	61.3	74.6	78.6	85.3
BRHP01-P4	Pipe	62.1	74.8	74.9	74.9
BRHP01-P5	Pipe	39.5	40.3	40.2	40.1
BRHP01-P6	Pipe	33.0	40.2	42.7	46.9
BRHP01-PW1	Weir	0.0	0.0	0.0	0.0
BRHP01-PW10	Weir	0.0	47.0	82.2	148.7
BRHP01-PW2	Weir	0.0	0.0	0.0	0.0
BRHP01-PW3	Weir	0.0	37.8	63.6	121.0
BRHP01-PW4	Weir	0.0	39.9	71.2	138.6
BRHP01-PW5	Weir	11.2	65.8	92.1	148.1
BRHP01-PW6	Weir	19.9	65.2	89.8	143.0
BRHP01-W1	Weir	51.3	102.9	129.4	185.5
<b>Indigo Run - Broad Creek - Major Basin 1</b>					
BRIRP01-D1	Drop Structure	0.0	6.4	11.2	19.7
BRIRP01-D2	Drop Structure	124.6	194.4	211.6	235.7
BRIRP01-DW1	Weir	180.8	211.9	224.0	247.7
BRIRP01-DW2	Weir	0.0	0.0	0.0	0.0
BRIRP01-P1	Pipe	138.5	215.3	232.7	263.4
BRIRP01-P10	Pipe	14.7	18.2	5.5	2.5
BRIRP01-P10A	Pipe	4.0	4.9	1.5	0.7
BRIRP01-P11	Pipe	7.5	8.0	8.5	1.6
BRIRP01-P11A	Pipe	7.2	8.3	8.7	1.7

TABLE M-13  
CONDUIT PEAK FLOWS  
HILTON HEAD ISLAND WATERSHED  
FUTURE LAND USE

ICPR Conduit ID	Type	Future Land Use			
		2-Year	10-Year	25-Year	100-Year
		Design Storm	Design Storm	Design Storm	Design Storm
BRIRP01-P12	Pipe	12.4	7.3	8.9	16.8
BRIRP01-P2	Pipe	141.4	219.9	236.6	266.7
BRIRP01-P3	Pipe	124.6	194.4	211.6	235.7
BRIRP01-P4	Pipe	30.8	39.9	45.2	55.1
BRIRP01-P4B	Pipe	47.3	61.3	69.4	84.6
BRIRP01-P5	Pipe	61.0	67.4	65.4	72.0
BRIRP01-P6	Pipe	40.0	54.5	56.1	65.3
BRIRP01-P7	Pipe	26.9	35.7	33.3	22.2
BRIRP01-P8	Pipe	25.7	35.4	39.4	41.9
BRIRP01-P8A	Pipe	14.4	19.9	22.1	23.5
BRIRP01-P9	Pipe	20.8	27.0	25.8	18.4
BRIRP01-PW1	Weir	0.0	0.0	0.0	0.0
BRIRP01-PW10	Weir	0.0	15.5	19.0	37.9
BRIRP01-PW11	Weir	0.0	0.0	0.0	31.8
BRIRP01-PW12	Weir	0.0	11.7	13.3	26.2
BRIRP01-PW2	Weir	0.0	0.0	0.0	7.7
BRIRP01-PW3	Weir	0.0	0.0	0.0	0.0
BRIRP01-PW4A	Weir	0.0	0.0	0.0	0.0
BRIRP01-PW5	Weir	0.0	59.1	109.4	166.1
BRIRP01-PW6	Weir	0.0	0.0	0.0	42.2
BRIRP01-PW7	Weir	0.0	24.9	34.2	50.1
BRIRP01-PW8	Weir	0.0	0.0	0.0	0.0
BRIRP01-PW9	Weir	0.0	0.0	7.5	28.7
BRIRP02-C1	Channel	151.1	240.3	272.1	291.7
BRIRP02-C2	Channel	47.6	111.6	234.2	270.5
BRIRP02-C3	Channel	45.1	89.5	112.1	174.6
BRIRP02-P1	Pipe	144.1	225.1	252.7	276.2
BRIRP02-P2	Pipe	50.3	56.5	60.4	66.4
BRIRP02-P3	Pipe	23.3	25.1	27.5	31.1
BRIRP02-P4	Pipe	16.2	17.8	18.4	19.8
BRIRP02-P5	Pipe	27.4	32.5	33.8	35.3
BRIRP02-PW1	Weir	0.0	0.0	0.0	2.4
BRIRP02-PW4	Weir	0.0	0.0	0.0	0.0
BRIRP02-PW5	Weir	0.0	0.0	0.0	21.6
<b>Airport - Fish Haul - Major Basin 1</b>					
FHAIR0-C1	Channel	90.4	152.8	173.9	225.3
FHAIR0-P1	Pipe	83.4	141.6	148.7	155.5
FHAIR0-P1A	Pipe	83.4	141.6	148.7	155.5
FHAIR0-P2	Pipe	37.3	60.9	69.1	79.7
FHAIR0-P3	Pipe	43.0	77.9	87.4	100.7
FHAIR0-PW1	Weir	0.0	31.3	86.9	277.1
FHAIR0-PW2	Weir	0.0	0.0	0.0	0.0
FHAIR0-PW3	Weir	0.0	0.0	0.0	0.0
FHAIR0-W1	Weir	115.4	178.2	207.7	288.0
FHAIR0-W2	Weir	13.3	43.0	56.0	94.8
<b>Gum Tree - Jarvis Creek - Major Basin 1</b>					
JVGUM01-P1	Pipe	95.2	127.4	142.2	177.0
JVGUM01-P2	Pipe	102.1	119.0	122.9	121.6
JVGUM01-PW1	Weir	0.0	0.0	0.0	0.0
JVGUM01-PW2	Weir	0.0	0.0	30.4	161.1
<b>HHP - Jarvis Creek - Major Basin 1</b>					
JVHHP01-C50	Channel	7.8	10.2	12.1	14.2
JVHHP01-C7A	Channel	7.8	14.8	105.7	86.5
JVHHP01-D1	Drop Structure	349.2	542.5	551.3	550.4
JVHHP01-D100	Drop Structure	0.0	0.0	0.0	0.0
JVHHP01-D4	Drop Structure	23.6	49.5	55.7	56.1
JVHHP01-D4A	Drop Structure	68.3	68.3	68.3	72.2
JVHHP01-D5	Drop Structure	3.0	3.2	3.2	3.4
JVHHP01-D6	Drop Structure	0.0	0.0	0.0	0.0
JVHHP01-DW1	Weir	0.0	0.1	112.7	512.5
JVHHP01-DW100	Weir	0.0	0.0	0.0	0.0
JVHHP01-DW4	Weir	0.0	0.0	27.9	151.7
JVHHP01-DW6	Weir	0.0	0.0	0.0	0.0
JVHHP01-P1	Pipe	4.0	159.4	276.7	558.0
JVHHP01-P10	Pipe	7.8	8.8	9.0	9.3
JVHHP01-P11	Pipe	8.3	9.3	9.6	9.9
JVHHP01-P12	Pipe	5.4	6.4	6.9	8.0
JVHHP01-P2	Pipe	355.3	526.9	621.8	850.8
JVHHP01-P2A	Pipe	3.7	32.5	55.0	151.5
JVHHP01-P4	Pipe	115.8	138.3	138.2	119.1
JVHHP01-P4A	Pipe	57.9	69.1	69.1	59.6
JVHHP01-P5	Pipe	20.2	37.9	38.4	39.1
JVHHP01-P5A	Pipe	53.2	99.6	100.9	102.8
JVHHP01-P6	Pipe	0.0	0.0	0.0	0.0
JVHHP01-P7	Pipe	0.9	0.9	1.0	1.0
JVHHP01-P7A	Pipe	8.3	18.5	19.8	21.3
JVHHP01-P9	Pipe	0.0	0.0	0.0	0.0
JVHHP01-PS	Rating Curve	400.0	400.0	400.0	400.0
JVHHP01-PW1	Weir	0.0	0.0	0.0	0.0
JVHHP01-PW10	Weir	0.0	0.0	0.0	0.0

TABLE M-13  
CONDUIT PEAK FLOWS  
HILTON HEAD ISLAND WATERSHED  
FUTURE LAND USE

ICPR Conduit ID	Type	Future Land Use			
		2-Year	10-Year	25-Year	100-Year
		Design Storm	Design Storm	Design Storm	Design Storm
JVHHP01-PW2	Weir	0.0	0.0	0.0	0.0
JVHHP01-PW3	Weir	0.0	83.7	203.9	631.1
JVHHP01-PW5	Weir	0.0	0.0	0.0	0.0
JVHHP01-PW5A	Weir	0.0	3.6	37.7	212.0
JVHHP01-PW6	Weir	0.0	0.0	0.0	0.0
JVHHP01-PW7	Weir	0.0	0.0	0.0	0.0
JVHHP01-PW7A	Weir	0.0	0.0	0.0	15.8
JVHHP01-PW9	Weir	0.0	0.0	0.0	0.0
JVHHP01-W1	Weir	481.8	578.3	613.9	705.3
<b>Indigo Run - Jarvis Creek - Major Basin 1</b>					
JVIRP01-C1	Channel	19.2	39.0	47.2	50.2
JVIRP01-D1	Drop Structure	3.3	19.3	22.9	22.6
JVIRP01-DW1	Weir	0.0	0.0	0.0	23.4
JVIRP01-P1	Pipe	36.8	57.6	64.0	75.1
JVIRP01-P2	Pipe	3.6	21.4	24.4	29.4
JVIRP01-P3	Pipe	-0.9	3.5	4.3	4.8
JVIRP01-PW1	Weir	0.0	0.0	0.0	0.0
JVIRP01-PW2	Weir	0.0	0.0	12.5	33.9
<b>Spanish Wells - Old House Creek - Major Basin 1</b>					
OHSPW01-C1	Channel	6.6	20.9	28.0	49.8
OHSPW01-D1	Drop Structure	2.0	6.8	11.0	12.9
OHSPW01-P1	Pipe	1.7	7.2	10.0	17.5
OHSPW01-P1A	Pipe	4.9	13.7	18.0	32.3
OHSPW01-P2	Pipe	2.0	6.9	9.8	10.0
OHSPW01-P3	Pipe	2.1	4.1	4.4	4.9
OHSPW01-P4	Pipe	5.0	7.9	8.2	9.3
OHSPW01-P5	Pipe	2.3	2.5	3.4	2.9
OHSPW01-PW1	Weir	0.0	0.0	0.0	0.0
OHSPW01-PW2	Weir	0.0	0.0	14.8	32.4
OHSPW01-PW3	Weir	0.0	4.8	18.4	41.1
OHSPW01-PW4	Weir	0.0	24.6	37.9	87.6
OHSPW01-PW5	Weir	0.0	0.0	0.0	5.4
OHSPW01-W1	Weir	6.6	20.9	28.0	51.5
<b>HHP - Park Creek - Major Basin 1</b>					
PAHHP01-D1	Drop Structure	46.4	76.3	83.9	83.5
PAHHP01-D2	Drop Structure	40.6	44.4	45.5	47.6
PAHHP01-DW1	Weir	0.0	0.0	1.0	166.4
PAHHP01-DW2	Weir	17.5	93.3	128.6	196.6
PAHHP01-P1	Pipe	153.0	189.2	189.5	191.0
PAHHP01-P2	Pipe	125.9	197.6	218.1	264.6
PAHHP01-P3	Pipe	90.9	127.4	131.6	172.2
PAHHP01-P4	Pipe	53.1	75.3	83.5	184.2
PAHHP01-P5	Pipe	4.9	9.1	8.1	5.5
PAHHP01-P6	Pipe	45.7	59.5	60.5	62.5
PAHHP01-PW1	Weir	0.0	113.3	175.8	341.0
PAHHP01-PW2	Weir	0.0	0.0	0.0	19.9
PAHHP01-PW3	Weir	0.0	0.0	0.0	56.9
PAHHP01-PW4	Weir	0.1	0.2	0.3	1.6
PAHHP01-PW5	Weir	0.0	47.6	76.8	122.8
PAHHP01-PW6	Weir	0.0	57.5	83.1	231.7
PAHHP01-W1	Weir	153.0	286.0	334.4	455.3
<b>HHP - Port Royal Sound - Major Basin 1</b>					
PRHHP01-C1	Channel	73.7	114.0	136.0	213.7
PRHHP01-C2	Channel	75.1	121.5	145.8	217.5
PRHHP01-C3	Channel	81.4	131.4	157.4	222.9
PRHHP01-C4	Channel	65.5	95.6	114.2	204.0
PRHHP01-C5	Channel	67.1	99.5	120.8	206.3
PRHHP01-D1	Drop Structure	23.7	53.2	52.2	56.5
PRHHP01-D2	Drop Structure	12.2	21.4	23.8	22.7
PRHHP01-D3	Drop Structure	8.3	15.6	18.3	20.2
PRHHP01-D4	Drop Structure	10.0	13.6	15.4	10.2
PRHHP01-DW1	Weir	0.0	0.0	13.1	132.6
PRHHP01-DW2	Weir	0.0	1.9	5.3	14.6
PRHHP01-DW3	Weir	0.0	0.0	0.0	0.0
PRHHP01-DW4	Weir	0.0	1.0	8.2	21.9
PRHHP01-P1	Pipe	31.0	47.2	56.3	71.8
PRHHP01-P1A	Pipe	42.6	65.0	77.5	98.8
PRHHP01-P2	Pipe	24.7	31.3	30.7	32.1
PRHHP01-P2A	Pipe	46.1	54.1	72.8	53.7
PRHHP01-P3	Pipe	0.1	2.8	4.4	5.7
PRHHP01-P4	Pipe	2.4	3.3	4.1	2.3
PRHHP01-PW1	Weir	0.0	0.0	0.0	75.1
PRHHP01-PW2	Weir	0.0	52.9	72.0	166.8
PRHHP01-PW3	Weir	0.0	0.0	0.0	4.7
PRHHP01-PW4	Weir	0.0	0.0	2.3	7.6
PRHHP01-W1	Weir	77.1	110.2	129.9	181.4
<b>HHP - Port Royal Sound - Major Basin 2</b>					
PRHHP02-D1	Drop Structure	26.6	68.0	85.3	148.8
PRHHP02-DW1	Weir	0.0	0.0	0.0	0.0
PRHHP02-P1	Pipe	30.2	75.4	88.8	101.7

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HILTON HEAD ISLAND WATERSHED  
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ICPR Conduit ID	Type	Future Land Use			
		2-Year	10-Year	25-Year	100-Year
		Design Storm	Design Storm	Design Storm	Design Storm
PRHHP02-P2	Pipe	24.7	26.1	26.2	26.7
PRHHP02-P3	Pipe	5.1	7.4	7.8	8.7
PRHHP02-P4	Pipe	5.1	7.4	7.8	8.7
PRHHP02-P5	Pipe	5.1	7.4	7.8	8.7
PRHHP02-PW1	Weir	0.0	0.0	16.1	130.4
PRHHP02-PW2	Weir	9.7	94.2	140.8	290.7
<b>Palm Hall - Port Royal Sound - Major Basin 1</b>					
PRPHP01-C1	Channel	74.2	129.0	150.9	241.3
PRPHP01-C2	Channel	74.5	129.6	151.9	245.7
PRPHP01-C3	Channel	396.5	396.5	396.5	396.5
PRPHP01-D1	Drop Structure	14.4	21.8	23.7	23.3
PRPHP01-D10	Drop Structure	10.2	10.6	10.7	11.2
PRPHP01-D1A	Drop Structure	13.3	20.1	21.8	21.4
PRPHP01-D1D	Drop Structure	16.2	23.2	30.7	36.5
PRPHP01-D2	Drop Structure	6.7	7.7	6.2	4.4
PRPHP01-D3	Drop Structure	1.0	1.4	1.5	1.5
PRPHP01-D4	Drop Structure	7.1	7.2	7.1	6.8
PRPHP01-DW1	Weir	0.0	0.0	22.0	110.0
PRPHP01-DW2	Weir	0.0	51.0	84.1	147.5
PRPHP01-DW3	Weir	14.8	47.1	63.7	101.3
PRPHP01-DW4	Weir	0.0	3.8	23.4	67.8
PRPHP01-P1	Pipe	31.7	31.7	31.7	31.7
PRPHP01-P10	Pipe	2.7	1.7	1.7	1.7
PRPHP01-P11	Pipe	8.7	9.4	9.0	9.2
PRPHP01-P12	Pipe	14.8	18.2	19.3	20.7
PRPHP01-P13	Pipe	7.0	6.7	5.9	4.5
PRPHP01-P14	Pipe	5.0	0.6	0.5	0.4
PRPHP01-P15	Pipe	0.9	0.6	0.5	0.4
PRPHP01-P1A	Pipe	29.4	29.4	29.4	29.4
PRPHP01-P1B	Pipe	31.4	31.4	31.4	31.4
PRPHP01-P1C	Pipe	10.3	10.3	10.3	10.3
PRPHP01-P1D	Pipe	21.7	21.7	21.7	21.7
PRPHP01-P2	Pipe	18.7	27.8	32.5	36.1
PRPHP01-P2-1	Pipe	24.8	36.5	43.1	46.4
PRPHP01-P2A	Pipe	13.3	20.1	21.8	21.4
PRPHP01-P2B	Pipe	10.7	10.7	10.7	10.7
PRPHP01-P2C	Pipe	16.2	23.2	30.7	36.5
PRPHP01-P3	Pipe	12.0	18.2	18.8	19.5
PRPHP01-P4	Pipe	12.3	14.2	14.4	15.0
PRPHP01-P5	Pipe	10.4	10.9	10.8	11.0
PRPHP01-P6	Pipe	6.2	6.0	5.2	3.9
PRPHP01-PW1	Weir	274.4	274.4	274.4	274.4
PRPHP01-PW10	Weir	0.0	0.0	0.0	0.0
PRPHP01-PW11	Weir	0.0	0.0	0.0	50.0
PRPHP01-PW14	Weir	0.0	7.2	7.7	8.9
PRPHP01-PW15	Weir	3.3	6.0	6.5	7.5
PRPHP01-PW3	Weir	0.0	63.5	88.7	148.9
PRPHP01-PW4	Weir	12.4	77.8	106.3	158.6
PRPHP01-PW5	Weir	22.7	101.7	119.0	173.4
PRPHP01-PW6	Weir	9.8	33.9	37.6	53.4
<b>Gum Tree - Skull Creek - Major Basin 1</b>					
SKGUM01-C1	Channel	21.4	57.1	75.4	101.3
SKGUM01-C10	Channel	1.2	1.8	1.8	1.7
SKGUM01-C11	Channel	0.6	0.9	0.9	1.3
SKGUM01-C2	Channel	7.4	57.1	75.5	101.3
SKGUM01-C4	Channel	170.0	321.2	377.0	489.3
SKGUM01-C5	Channel	152.3	240.3	270.7	336.1
SKGUM01-C6	Channel	154.1	243.9	278.3	355.4
SKGUM01-C7	Channel	85.8	142.8	162.7	206.3
SKGUM01-C8	Channel	90.4	156.6	185.8	245.8
SKGUM01-C9	Channel	226.8	228.9	228.1	252.6
SKGUM01-P1	Pipe	7.0	57.1	75.4	101.3
SKGUM01-P2	Pipe	6.8	57.1	75.5	101.3
SKGUM01-P3	Pipe	172.3	214.7	223.6	242.1
SKGUM01-P4	Pipe	153.3	186.7	186.7	183.2
SKGUM01-P5	Pipe	84.4	128.8	144.9	163.8
SKGUM01-P6	Pipe	103.2	142.6	150.8	161.3
SKGUM01-P7	Pipe	17.7	17.2	16.9	16.4
SKGUM01-P8	Pipe	1.2	1.8	1.8	1.7
SKGUM01-PW1	Weir	0.0	0.0	0.0	0.0
SKGUM01-PW3	Weir	0.0	113.2	159.2	254.1
SKGUM01-PW4	Weir	0.0	96.1	132.3	209.4
SKGUM01-PW5	Weir	0.0	0.0	0.0	24.6
SKGUM01-PW6	Weir	0.0	19.1	45.5	106.4
SKGUM01-PW7	Weir	0.0	0.0	0.0	0.0
SKGUM01-PW8	Weir	0.0	0.0	0.0	0.0
SKGUM01-W1A	Weir	7.4	57.1	75.5	101.3
SKGUM01-W1B	Weir	166.0	269.1	310.4	399.4
SKGUM01-W1C	Weir	168.9	319.1	374.2	485.3
SKGUM01-WOUT	Weir	7.3	57.1	75.4	101.3

TABLE M-13  
CONDUIT PEAK FLOWS  
HILTON HEAD ISLAND WATERSHED  
FUTURE LAND USE

ICPR Conduit ID	Type	Future Land Use			
		2-Year Design Storm	10-Year Design Storm	25-Year Design Storm	100-Year Design Storm
<b>HHP - Skull Creek - Major Basin 1</b>					
SKHHP01-D1	Drop Structure	22.8	32.0	32.7	33.8
SKHHP01-DW1	Weir	0.0	58.5	108.2	259.1
SKHHP01-P1	Pipe	55.1	74.1	85.6	96.0
SKHHP01-P100	Pipe	-5.1	-6.7	-7.6	-10.9
SKHHP01-P2	Pipe	46.1	62.4	75.2	89.1
SKHHP01-P2A	Pipe	24.0	41.1	43.1	49.2
SKHHP01-P4	Pipe	23.8	29.3	29.5	23.0
SKHHP01-P5	Pipe	10.5	13.5	13.9	16.7
SKHHP01-PW1	Weir	0.0	0.0	0.0	0.0
SKHHP01-PW2A	Weir	0.0	0.0	47.1	67.7
SKHHP01-PW4	Weir	0.0	39.4	84.7	180.9
<b>HHP - Skull Creek - Major Basin 2</b>					
SKHHP02-D1	Drop Structure	42.4	61.7	66.5	76.8
SKHHP02-DW1	Weir	0.0	0.0	0.0	0.0
SKHHP02-P1	Pipe	22.5	33.3	33.1	33.2
SKHHP02-P2	Pipe	11.7	19.6	21.2	20.9
SKHHP02-P3	Pipe	4.5	7.9	8.5	8.0
SKHHP02-PW1	Weir	0.0	0.0	15.7	71.3
SKHHP02-PW2	Weir	0.0	0.0	0.0	0.0
SKHHP02-PW3	Weir	0.0	0.0	0.0	0.0
SKHHP02-W1	Weir	42.4	61.7	66.5	76.8

\*\* NOTE: Peak Flow Values taken from ICPR Link Maximum Table - Refer to ICPR and Link Graphs

TABLE M-14  
CONDUIT PEAK FLOWS  
HILTON HEAD ISLAND WATERSHED  
FUTURE LAND USE WITH PLAN

ICPR Conduit ID	Type	Future Improved Land Use		
		Improved Conduit?	25-Year Design Storm	100-Year Design Storm
<b>SPP - Baynard Cove - Major Basin 1</b>				
BASP01-C1	Channel		65.8	90.9
BASP01-C10	Channel		11.6	21.4
BASP01-C18	Channel		9.3	15.2
BASP01-C19	Channel		50.4	35.6
BASP01-C20	Channel		1767.0	578.5
BASP01-C21	Channel		60.3	53.0
BASP01-C21A	Channel		44.2	41.6
BASP01-C22	Channel		72.5	108.3
BASP01-C23	Channel		34.7	32.9
BASP01-C25	Channel		36.3	30.8
BASP01-C26	Channel		38.6	48.5
BASP01-C27	Channel		43.1	65.3
BASP01-C28	Channel		96.7	95.4
BASP01-C3	Channel		50.5	86.7
BASP01-C30	Channel		4.9	9.8
BASP01-C34	Channel		60.8	65.0
BASP01-C34A	Channel		20.2	87.8
BASP01-C35	Channel		6.0	11.1
BASP01-C36	Channel		0.0	7.8
BASP01-C37	Channel		16.1	6.9
BASP01-C4	Channel		17.0	45.2
BASP01-C5	Channel		14.2	27.3
BASP01-C7	Channel		12.0	23.6
BASP01-C8	Channel		16.8	22.5
BASP01-C9	Channel		11.7	21.9
BASP01-D1	Drop Structure		65.7	91.1
BASP01-DW1	Weir		0.0	0.0
BASP01-P1	Pipe		49.9	83.9
BASP01-P10	Pipe		2.7	4.2
BASP01-P11	Pipe		12.5	23.6
BASP01-P12	Pipe		7.9	15.5
BASP01-P13	Pipe		5.4	7.3
BASP01-P14	Pipe		35.5	31.6
BASP01-P15	Pipe		12.8	13.5
BASP01-P16	Pipe		6.3	6.7
BASP01-P17	Pipe		1.8	2.3
BASP01-P18	Pipe		4.6	9.4
BASP01-P19	Pipe		18.7	52.8
BASP01-P2	Pipe		16.7	28.0
BASP01-P20	Pipe		19.3	44.3
BASP01-P21	Pipe		15.6	35.5
BASP01-P22	Pipe		0.8	1.0
BASP01-P23	Pipe		0.5	0.8
BASP01-P24	Pipe		3.5	5.2
BASP01-p25	Pipe		1.7	0.2
BASP01-P26	Pipe		0.8	0.2
BASP01-P27	Pipe		3.5	3.5
BASP01-P28	Pipe		4.8	6.0
BASP01-P29	Pipe		2.0	3.1
BASP01-P3	Pipe		14.2	27.3
BASP01-P4	Pipe		12.1	24.1
BASP01-P5	Pipe		11.7	21.2
BASP01-P59A	Pipe		0.8	1.6
BASP01-P59B	Pipe		1.4	1.4
BASP01-P6	Pipe		5.2	8.3
BASP01-P7	Pipe		0.0	6.7
BASP01-P8	Pipe		8.3	9.0

TABLE M-14  
CONDUIT PEAK FLOWS  
HILTON HEAD ISLAND WATERSHED  
FUTURE LAND USE WITH PLAN

ICPR Conduit ID	Type	Future Improved Land Use		
		Improved Conduit?	25-Year Design Storm	100-Year Design Storm
BASP01-P8A	Pipe		0.0	6.1
BASP01-P9	Pipe		6.1	16.8
BASP01-PW1	Weir		0.0	0.0
BASP01-PW10	Weir		0.0	3.5
BASP01-PW11	Weir		1.0	28.2
BASP01-PW12	Weir		0.0	9.1
BASP01-PW13	Weir		0.0	7.3
BASP01-PW14	Weir		0.0	0.0
BASP01-PW15	Weir		0.0	11.9
BASP01-PW16	Weir		0.0	7.1
BASP01-PW17	Weir		3.4	8.0
BASP01-PW19	Weir		4.1	17.3
BASP01-PW2	Weir		0.0	8.8
BASP01-PW20	Weir		4.5	26.2
BASP01-PW21	Weir		12.8	52.3
BASP01-PW22	Weir		0.0	0.8
BASP01-PW23	Weir		0.1	0.5
BASP01-PW24	Weir		0.0	0.0
BASP01-PW25	Weir		0.0	0.0
BASP01-PW26	Weir		0.0	0.0
BASP01-PW27	Weir		0.0	0.0
BASP01-PW28	Weir		0.0	0.0
BASP01-PW29	Weir		0.0	0.0
BASP01-PW3	Weir		0.0	0.0
BASP01-PW4	Weir		0.0	0.0
BASP01-PW5	Weir		0.0	3.9
BASP01-PW59A	Weir		0.0	2.4
BASP01-PW59B	Weir		0.0	0.4
BASP01-PW6	Weir		0.0	2.7
<b>SPP - Baynard Cove - Major Basin 2</b>				
BASP02-C1	Channel		62.3	96.2
BASP02-C2	Channel		62.5	96.3
BASP02-C3	Channel		62.8	97.2
BASP02-C4	Channel		46.6	65.7
BASP02-C5	Channel		46.1	64.0
BASP02-C6	Channel		25.4	33.5
BASP02-C7	Channel		25.8	30.2
BASP02-D1	Drop Structure		62.1	97.6
BASP02-DW1	Weir		0.0	0.0
BASP02-P1	Pipe	Yes	41.3	62.3
BASP02-P1a	Pipe		40.4	62.5
BASP02-P2	Pipe		46.4	57.2
BASP02-P3	Pipe	Yes	25.2	32.0
BASP02-P4	Pipe		20.3	26.2
BASP02-P5	Pipe	Yes	9.0	14.3
BASP02-P6	Pipe		8.2	10.0
BASP02-P7	Pipe	Yes	3.9	5.1
BASP02-P8	Pipe	Yes	3.9	4.8
BASP02-PW1	Weir		0.0	2.4
BASP02-PW1A	Weir		0.0	0.0
BASP02-PW2	Weir		0.0	17.7
BASP02-PW3	Weir		0.0	0.2
BASP02-PW4	Weir		17.1	44.7
BASP02-PW5	Weir		0.0	0.0
BASP02-PW6	Weir		3.2	10.6
BASP02-PW7	Weir		0.0	0.0
BASP02-PW8	Weir		0.0	4.2



TABLE M-14  
CONDUIT PEAK FLOWS  
HILTON HEAD ISLAND WATERSHED  
FUTURE LAND USE WITH PLAN

ICPR Conduit ID	Type	Future Improved Land Use		
		Improved Conduit?	25-Year Design Storm	100-Year Design Storm
<b>SPP - Baynard Cove - Major Basin 3</b>				
BASP03-C3	Channel		45.9	55.3
BASP03-C4	Channel		43.8	72.1
BASP03-C6	Channel		20.8	24.9
BASP03-C7	Channel		20.2	19.2
BASP03-C8	Channel		10.6	12.1
BASP03-C9	Channel		11.1	36.4
BASP03-D1	Drop Structure		50.2	62.2
BASP03-P1	Pipe		61.0	94.9
BASP03-P2	Pipe		20.9	20.0
BASP03-P3	Pipe		20.7	19.4
BASP03-P4	Pipe		10.7	12.3
BASP03-P5	Pipe		10.5	12.0
BASP03-P6	Pipe		5.5	6.8
BASP03-P7	Pipe		2.9	3.6
BASP03-PW1	Weir		0.0	25.5
BASP03-PW2	Weir		0.0	17.2
BASP03-PW3	Weir		0.0	19.6
BASP03-PW4	Weir		0.0	3.0
BASP03-PW5	Weir		0.0	2.7
BASP03-PW6	Weir		0.0	0.0
BASP03-PW7	Weir		0.0	0.0
<b>SPP - Braddock Cove - Major Basin 1</b>				
BCSP01-D1	Drop Structure	Yes	0.0	0.0
BCSP01-D2	Drop Structure	Yes		
BCSP01-DW1	Weir	Yes	0.0	0.0
BCSP01-DW2	Weir	Yes		
BCSP01-P1	Pipe	Yes	0.0	0.0
<b>LCC - Broad Creek - Major Basin 1</b>				
BRLCC01-D1	Drop Structure		103.9	129.6
BRLCC01-D2	Drop Structure	Yes	23.6	24.8
BRLCC01-D3	Drop Structure		3.8	4.0
BRLCC01-D3A	Drop Structure		11.2	9.1
BRLCC01-D4	Drop Structure		16.8	23.2
BRLCC01-D5	Drop Structure		7.9	6.2
BRLCC01-D6	Drop Structure		15.1	12.7
BRLCC01-DW2	Weir		5.5	27.1
BRLCC01-DW3	Weir		16.6	40.7
BRLCC01-DW3A	Weir		0.0	16.7
BRLCC01-DW4	Weir		0.0	0.0
BRLCC01-DW5	Weir		0.0	5.0
BRLCC01-DW6	Weir		2.5	11.5
BRLCC01-P1	Pipe		3.8	3.9
BRLCC01-P10	Pipe		1.4	1.6
BRLCC01-P11	Pipe		5.7	6.4
BRLCC01-P12	Pipe		9.1	7.4
BRLCC01-P2	Pipe		17.1	16.9
BRLCC01-P3	Pipe		2.7	8.9
BRLCC01-P5	Pipe		27.8	30.5
BRLCC01-P6	Pipe		17.3	19.8
BRLCC01-P7	Pipe		4.3	5.8
BRLCC01-P8	Pipe		5.5	6.8
BRLCC01-P9	Pipe		7.3	8.6
BRLCC01-PW1	Weir		19.0	41.4
BRLCC01-PW10	Weir		0.0	0.0
BRLCC01-PW11	Weir		0.0	2.8
BRLCC01-PW12	Weir		0.0	5.2
BRLCC01-PW2	Weir		16.1	38.5
BRLCC01-PW3	Weir		0.0	9.2
BRLCC01-PW5	Weir		0.0	19.9
BRLCC01-PW6	Weir		0.0	2.5
BRLCC01-PW7	Weir		0.0	0.0
BRLCC01-PW8	Weir		0.0	0.0
BRLCC01-PW9	Weir		0.0	0.0
<b>LCC - Broad Creek - Major Basin 2</b>				
BRLCC02-P1	Pipe		7.1	7.8
BRLCC02-PW1	Weir		0.0	0.0

TABLE M-14  
CONDUIT PEAK FLOWS  
HILTON HEAD ISLAND WATERSHED  
FUTURE LAND USE WITH PLAN

ICPR Conduit ID	Type	Future Improved Land Use		
		Improved Conduit?	25-Year Design Storm	100-Year Design Storm
<b>PCT - Broad Creek - Major Basin 1</b>				
BRPCT01-P1	Pipe		11.5	14.8
BRPCT01-P2	Pipe		8.0	9.7
BRPCT01-P3	Pipe		8.0	9.6
BRPCT01-P4	Pipe		9.6	7.5
BRPCT01-P5	Pipe		2.3	1.9
BRPCT01-P6	Pipe	Yes	65.0	95.6
BRPCT01-P7	Pipe	Yes	28.6	30.9
BRPCT01-PW1	Weir		0.0	0.3
BRPCT01-PW2	Weir		0.0	0.5
BRPCT01-PW3	Weir		0.0	1.1
BRPCT01-PW4	Weir		0.0	0.0
BRPCT01-PW5	Weir		0.0	0.0
BRPCT01-PW6	Weir		0.0	12.7
BRPCT01-PW7	Weir		0.0	14.5
<b>PCT - Broad Creek - Major Basin 2</b>				
BRPCT02-P1	Pipe		25.5	30.5
BRPCT02-P2	Pipe		25.5	30.5
BRPCT02-P3	Pipe		25.5	30.5
BRPCT02-P4	Pipe		14.0	16.3
BRPCT02-P5	Pipe		14.0	14.3
BRPCT02-P6	Pipe		13.5	13.2
BRPCT02-PW1	Weir		0.0	0.0
BRPCT02-PW2	Weir		0.0	0.0
BRPCT02-PW3	Weir		0.0	0.0
BRPCT02-PW4	Weir		0.0	3.7
BRPCT02-PW5	Weir		0.0	7.7
BRPCT02-PW6	Weir		1.8	11.6
BRPCT02-W1	Weir		25.5	30.5
<b>PDP - Broad Creek - Major Basin 1</b>				
BRPDP01-C10	Channel		72.8	39.5
BRPDP01-C101	Channel		13.7	13.9
BRPDP01-C102	Channel		12.4	12.3
BRPDP01-C103	Channel		10.2	11.7
BRPDP01-C104	Channel		17.2	32.6
BRPDP01-C105	Channel		17.2	32.6
BRPDP01-C13	Channel		100.6	147.4
BRPDP01-C14	Channel		128.4	179.0
BRPDP01-C15	Channel		128.4	179.0
BRPDP01-C16	Channel		271.2	208.8
BRPDP01-C17	Channel		125.0	167.6
BRPDP01-C18	Channel		111.0	156.6
BRPDP01-C19	Channel		62.1	91.0
BRPDP01-C2	Channel		558.6	629.0
BRPDP01-C20	Channel		55.6	84.4
BRPDP01-C21	Channel		51.4	76.5
BRPDP01-C22	Channel		48.6	67.1
BRPDP01-C23	Channel		432.0	433.5
BRPDP01-C24	Channel		339.5	429.8
BRPDP01-C25	Channel		323.6	414.1
BRPDP01-C26	Channel		316.4	408.0
BRPDP01-C27	Channel		384.4	587.8
BRPDP01-C28	Channel		239.2	421.3
BRPDP01-C29	Channel		235.9	419.3
BRPDP01-C3	Channel		527.1	622.1
BRPDP01-C30	Channel		227.6	410.9
BRPDP01-C31	Channel		162.9	236.6
BRPDP01-C32	Channel		154.4	226.4
BRPDP01-C33	Channel		148.3	220.7
BRPDP01-C34	Channel		129.7	203.6
BRPDP01-C35	Channel		119.5	200.3
BRPDP01-C36	Channel		110.0	207.1
BRPDP01-C37	Channel		55.5	77.2
BRPDP01-C38	Channel		48.2	146.7
BRPDP01-C39	Channel		48.2	146.7
BRPDP01-C4	Channel		506.7	613.8

TABLE M-14  
CONDUIT PEAK FLOWS  
HILTON HEAD ISLAND WATERSHED  
FUTURE LAND USE WITH PLAN

ICPR Conduit ID	Type	Future Improved Land Use		
		Improved Conduit?	25-Year Design Storm	100-Year Design Storm
BRPDP01-C40	Channel		48.9	166.8
BRPDP01-C46	Channel		46.8	27.4
BRPDP01-C47	Channel		48.8	18.0
BRPDP01-C5	Channel		483.7	595.8
BRPDP01-C50	Channel		74.8	155.4
BRPDP01-C51	Channel		68.5	3125.1
BRPDP01-C52	Channel		65.2	232.3
BRPDP01-C53	Channel		63.2	98.0
BRPDP01-C54	Channel		61.1	93.8
BRPDP01-C55	Channel		56.4	87.7
BRPDP01-C56	Channel		43.8	77.0
BRPDP01-C6	Channel		475.9	590.2
BRPDP01-C60	Channel		154.3	237.6
BRPDP01-C61	Channel		130.0	160.1
BRPDP01-C62	Channel		121.1	149.2
BRPDP01-C63	Channel		115.3	145.3
BRPDP01-C64	Channel		80.1	65.5
BRPDP01-C65	Channel		106.8	110.0
BRPDP01-C66	Channel		101.1	118.7
BRPDP01-C67	Channel		61.2	77.9
BRPDP01-C68	Channel		105.3	118.8
BRPDP01-C69	Channel		105.3	118.8
BRPDP01-C7	Channel		469.6	585.1
BRPDP01-C70	Channel		104.6	130.0
BRPDP01-C71	Channel		105.0	154.6
BRPDP01-C72	Channel		185.2	188.6
BRPDP01-C73	Channel		3534.0	68.2
BRPDP01-C74	Channel		3534.0	892.4
BRPDP01-C8	Channel		162.8	257.0
BRPDP01-C80	Channel		323.2	432.5
BRPDP01-C81	Channel		316.5	424.5
BRPDP01-C82	Channel		297.2	403.4
BRPDP01-C83	Channel		278.2	388.5
BRPDP01-C9	Channel		72.8	39.5
BRPDP01-C90	Channel		216.0	291.1
BRPDP01-C91	Channel		209.5	284.4
BRPDP01-C93	Channel		202.9	277.2
BRPDP01-P10	Pipe		72.5	91.7
BRPDP01-P100	Pipe		13.7	13.9
BRPDP01-P11	Pipe		41.0	73.5
BRPDP01-P11A	Pipe		24.7	0.0
BRPDP01-P12	Pipe		306.2	429.7
BRPDP01-P13	Pipe		188.4	137.6
BRPDP01-P14	Pipe		283.6	392.3
BRPDP01-P15	Pipe		204.9	279.6
BRPDP01-P1A	Pipe		1422.3	1070.6
BRPDP01-P1B	Pipe		225.1	300.5
BRPDP01-P2	Pipe		662.3	631.6
BRPDP01-P3	Pipe		65.2	31.5
BRPDP01-P4	Pipe		135.5	179.8
BRPDP01-P5	Pipe		56.1	108.7
BRPDP01-P6	Pipe		383.7	587.3
BRPDP01-P7	Pipe		158.5	231.1
BRPDP01-P8	Pipe		164.8	207.0
BRPDP01-P9	Pipe		0.0	0.0
<b>PRP - Broad Creek - Major Basin 1</b>				
BRPRP01-C1	Channel		167.2	277.5
BRPRP01-C10	Channel		79.1	158.8
BRPRP01-C11	Channel		71.8	144.7
BRPRP01-C16	Channel		92.5	237.3
BRPRP01-C17	Channel		83.7	173.0
BRPRP01-C18	Channel		33.9	98.7
BRPRP01-C19	Channel		33.6	98.1
BRPRP01-C2	Channel		114.2	239.8
BRPRP01-C20	Channel		32.6	94.3
BRPRP01-C21	Channel		32.3	93.8
BRPRP01-C22	Channel		32.1	93.5
BRPRP01-C23	Channel		13.0	49.6
BRPRP01-C24	Channel		10.8	39.1
BRPRP01-C25	Channel		10.6	37.1
BRPRP01-C26	Channel		10.7	35.8
BRPRP01-C27	Channel		10.0	34.3
BRPRP01-C28	Channel		9.7	31.8
BRPRP01-C3	Channel		113.9	239.2
BRPRP01-C39	Channel		21.2	72.9
BRPRP01-C4	Channel		113.7	239.4
BRPRP01-C40	Channel		18.9	48.5
BRPRP01-C41	Channel		18.7	46.6
BRPRP01-C42	Channel		18.5	45.3
BRPRP01-C5	Channel		113.5	239.9

TABLE M-14  
CONDUIT PEAK FLOWS  
HILTON HEAD ISLAND WATERSHED  
FUTURE LAND USE WITH PLAN

ICPR Conduit ID	Type	Future Improved Land Use		
		Improved Conduit?	25-Year Design Storm	100-Year Design Storm
BRPRP01-C6	Channel		81.4	163.4
BRPRP01-C61	Channel		14.4	46.3
BRPRP01-C65	Channel		16.6	45.3
BRPRP01-C7	Channel		79.8	158.8
BRPRP01-C8	Channel		78.8	165.2
BRPRP01-C9	Channel		78.8	191.0
BRPRP01-P1	Pipe		128.4	190.2
BRPRP01-P10	Pipe		3.3	14.4
BRPRP01-P11	Pipe		4.9	110.3
BRPRP01-P12	Pipe		10.5	17.2
BRPRP01-P13	Pipe		2.9	14.5
BRPRP01-P2	Pipe		59.6	118.0
BRPRP01-P3	Pipe		52.8	99.3
BRPRP01-P4	Pipe		28.8	63.4
BRPRP01-P40	Pipe		18.7	45.8
BRPRP01-P46	Pipe		15.5	123.4
BRPRP01-P47	Pipe		1.6	1.8
BRPRP01-P5	Pipe		78.6	310.5
BRPRP01-P5A	Pipe		72.5	145.3
BRPRP01-P6	Pipe		42.3	47.9
BRPRP01-P61	Pipe		14.4	61.8
BRPRP01-P66	Pipe		16.6	46.4
BRPRP01-P7	Pipe		153.3	171.5
BRPRP01-P8	Pipe		24.6	36.4
BRPRP01-P9	Pipe		3.3	13.2
BRPRP01-PW1	Weir		0.0	0.0
BRPRP01-PW11	Weir		0.0	0.0
BRPRP01-PW12	Weir		0.0	0.0
BRPRP01-PW13	Weir		0.0	0.0
BRPRP01-PW3	Weir		0.0	0.0
BRPRP01-PW40	Weir		0.0	7.0
BRPRP01-PW5	Weir		0.0	0.0
BRPRP01-PW5A	Weir		0.0	0.0
BRPRP01-PW6	Weir		0.0	0.0
BRPRP01-PW61	Weir		0.0	0.0
BRPRP01-PW66	Weir		0.0	0.0
BRPRP01-PW8	Weir		0.0	0.0
BRPRP01-PW9	Weir		0.0	10.1
BRPRP01-W1	Weir		8.0	104.0
<b>WEX - Broad Creek - Major Basin 1</b>				
BRWEX01-C1	Channel		82.0	103.4
BRWEX01-C10	Channel		192.9	314.4
BRWEX01-C11	Channel		172.3	191.1
BRWEX01-C12	Channel		172.3	191.1
BRWEX01-C13	Channel		173.9	184.8
BRWEX01-C14	Channel		174.4	184.0
BRWEX01-C14A	Channel		174.1	184.3
BRWEX01-C15	Channel		173.5	351.7
BRWEX01-C16	Channel		97.1	121.8
BRWEX01-C17	Channel		91.8	121.9
BRWEX01-C18	Channel		132.0	159.7
BRWEX01-C19	Channel		95.1	126.5
BRWEX01-C20	Channel		82.9	104.4
BRWEX01-C22	Channel		94.3	126.2
BRWEX01-C21	Channel		43.9	42.8
BRWEX01-C22	Channel		49.3	134.3
BRWEX01-C23	Channel		8.7	38.6
BRWEX01-C24	Channel		14.4	46.4
BRWEX01-C25	Channel		39.4	52.7
BRWEX01-C26	Channel		11.7	52.7
BRWEX01-C27	Channel		12.1	55.5
BRWEX01-C28	Channel		32.1	86.0
BRWEX01-C29	Channel		113.4	179.8
BRWEX01-C3	Channel		202.2	258.8
BRWEX01-C30	Channel		114.1	189.0
BRWEX01-C31	Channel		56.1	66.0
BRWEX01-C32	Channel		112.5	119.3
BRWEX01-C33	Channel		96.7	148.0
BRWEX01-C34	Channel		96.7	148.0
BRWEX01-C35	Channel		52.7	59.4
BRWEX01-C36	Channel		52.6	59.5
BRWEX01-C4	Channel		217.2	332.4
BRWEX01-C5	Channel		178.6	243.1
BRWEX01-C50	Channel		71.9	81.9
BRWEX01-C51	Channel		67.5	76.5
BRWEX01-C52	Channel		47.0	69.5
BRWEX01-C53	Channel		78.7	50.0
BRWEX01-C6	Channel		178.8	243.0
BRWEX01-C7	Channel		179.2	242.9
BRWEX01-C70	Channel		34.7	50.3

TABLE M-14  
CONDUIT PEAK FLOWS  
HILTON HEAD ISLAND WATERSHED  
FUTURE LAND USE WITH PLAN

ICPR Conduit ID	Type	Future Improved Land Use		
		Improved Conduit?	25-Year Design Storm	100-Year Design Storm
BRWEX01-C71	Channel		143.4	98.9
BRWEX01-C72	Channel		140.0	90.6
BRWEX01-C73	Channel		95.6	90.6
BRWEX01-C74	Channel		60.6	72.8
BRWEX01-C75	Channel		65.5	76.5
BRWEX01-C8	Channel		185.7	283.8
BRWEX01-C80	Channel		52.6	59.5
BRWEX01-C81	Channel		60.7	69.1
BRWEX01-C82	Channel		60.7	69.1
BRWEX01-C83	Channel		61.4	73.1
BRWEX01-C84	Channel		77.6	122.7
BRWEX01-C85	Channel		77.6	122.7
BRWEX01-C86	Channel		78.3	134.8
BRWEX01-C9	Channel		189.7	300.5
BRWEX01-D50	Drop Structure		49.1	49.5
BRWEX01-D60	Drop Structure		3.8	5.3
BRWEX01-DW50	Weir		3.5	16.3
BRWEX01-DW63	Weir		0.0	0.0
BRWEX01-P1	Pipe		70.3	28.5
BRWEX01-P2	Pipe		178.6	243.1
BRWEX01-P3	Pipe		170.3	231.5
BRWEX01-P3A	Pipe		173.9	184.8
BRWEX01-P4	Pipe		174.3	184.1
BRWEX01-P5	Pipe		132.0	159.7
BRWEX01-P50	Pipe		19.3	20.8
BRWEX01-P50A	Pipe		54.7	57.1
BRWEX01-P60	Pipe		46.3	50.7
BRWEX01-P61	Pipe	Yes	19.2	26.4
BRWEX01-P62	Pipe		16.6	15.8
BRWEX01-P63	Pipe		19.7	17.6
BRWEX01-P64	Pipe		1.7	2.0
BRWEX01-P7	Pipe		32.1	86.0
BRWEX01-P70	Pipe		66.6	76.5
BRWEX01-P7A	Pipe		108.2	86.3
BRWEX01-PS	Rating Curve		150.0	150.0
BRWEX01-PS2	Rating Curve		92.0	92.0
BRWEX01-PW1	Weir		0.0	0.0
BRWEX01-PW2	Weir		0.0	0.0
BRWEX01-PW3	Weir		0.0	0.0
BRWEX01-PW3A	Weir		0.0	0.0
BRWEX01-PW4	Weir		0.0	0.0

TABLE M-14  
CONDUIT PEAK FLOWS  
HILTON HEAD ISLAND WATERSHED  
FUTURE LAND USE WITH PLAN

ICPR Conduit ID	Type	Future Improved Land Use		
		Improved Conduit?	25-Year Design Storm	100-Year Design Storm
BRWEX01-PW5	Weir		0.0	0.0
BRWEX01-PW50	Weir		0.0	0.0
BRWEX01-PW60	Weir		0.0	0.0
BRWEX01-PW61	Weir		43.5	42.1
BRWEX01-PW62	Weir		12.0	18.7
BRWEX01-PW63	Weir		19.7	29.4
BRWEX01-PW64	Weir		0.5	1.5
BRWEX01-PW7	Weir		0.0	0.0
BRWEX01-PW70	Weir		0.0	0.0
BRWEX01-PW7A	Weir		0.0	0.0
BRWEX01-W1	Weir		82.0	103.4
<b>WEX - Broad Creek - Major Basin 2</b>				
BRWEX02-C1	Channel		27.4	40.0
BRWEX02-C2	Channel		41.4	52.8
BRWEX02-C3	Channel		41.4	52.8
BRWEX02-C4	Channel		23.0	16.1
BRWEX02-C5	Channel		40.2	46.3
BRWEX02-C6	Channel		40.2	46.3
BRWEX02-C7	Channel		51.1	64.5
BRWEX02-C8	Channel		61.5	82.7
BRWEX02-C9	Channel		61.5	82.7
BRWEX02-P1	Pipe		27.0	37.2
BRWEX02-P2	Pipe		26.5	26.5
BRWEX02-PW1	Weir		0.0	2.5
BRWEX02-PW2	Weir		0.6	22.5
BRWEX02-W1	Weir		98.9	157.0
<b>XNG - Broad Creek - Major Basin 1</b>				
BRXNG01-C1	Channel		154.2	197.7
BRXNG01-C10	Channel		34.8	43.1
BRXNG01-C11	Channel		32.2	38.8
BRXNG01-C12	Channel		34.6	47.1
BRXNG01-C13	Channel		45.7	61.1
BRXNG01-C14	Channel		55.6	73.8
BRXNG01-C2	Channel		154.4	197.8
BRXNG01-C3	Channel		127.1	164.2
BRXNG01-C4	Channel		126.8	163.7
BRXNG01-C5	Channel		126.0	159.2
BRXNG01-C6	Channel		126.0	159.3
BRXNG01-C7	Channel		126.1	159.5
BRXNG01-C8	Channel		47.3	61.3
BRXNG01-C9	Channel		35.8	44.0
BRXNG01-D1	Drop Structure		137.4	159.6
BRXNG01-P1	Pipe		154.1	197.7
BRXNG01-P2	Pipe		39.6	52.4
<b>SPP - Calibogue Sound - Major Basin 1</b>				
CASP01-P1	Pipe		49.3	57.9
CASP01-P2	Pipe		49.8	59.5
CASP01-PW2	Weir		0.0	0.0
CASP01-W1	Weir		0.0	0.0
<b>SPP - Calibogue Sound - Major Basin 2</b>				
CASP02-P1	Pipe		15.5	15.5
CASP02-PW1	Weir		17.6	31.7
CASP02-W1	Weir		31.7	44.0
<b>PRP - Fish Haul Creek - Major Basin 1</b>				
FHPRP01-C1	Channel		510.2	595.0
FHPRP01-C10	Channel		153.3	224.9
FHPRP01-C11	Channel		187.2	332.2
FHPRP01-C12	Channel		218.8	408.8
FHPRP01-C13	Channel		99.3	101.0
FHPRP01-C14	Channel		103.9	113.7
FHPRP01-C2	Channel		286.4	342.5
FHPRP01-C3	Channel		248.5	300.2
FHPRP01-C4	Channel		139.4	191.5
FHPRP01-C5	Channel		138.3	186.9
FHPRP01-C6	Channel		134.0	175.0
FHPRP01-C7	Channel		136.2	168.4
FHPRP01-C8	Channel		136.4	154.8
FHPRP01-C9	Channel		146.9	199.5
FHPRP01-P1	Pipe		259.0	316.6
FHPRP01-P2	Pipe		139.4	190.8
FHPRP01-P3	Pipe		131.6	136.1
FHPRP01-P3A	Pipe		2.6	2.4
FHPRP01-P4	Pipe		41.9	42.0
FHPRP01-P5	Pipe		44.1	44.2
FHPRP01-PW1	Weir		0.0	4.2
FHPRP01-PW2	Weir		0.0	12.6
FHPRP01-PW3	Weir		1.7	36.2
FHPRP01-PW4	Weir		24.5	46.6
FHPRP01-PW5	Weir		0.0	0.0

TABLE M-14  
CONDUIT PEAK FLOWS  
HILTON HEAD ISLAND WATERSHED  
FUTURE LAND USE WITH PLAN

ICPR Conduit ID	Type	Future Improved Land Use		
		Improved Conduit?	25-Year Design Storm	100-Year Design Storm
<b>SPP - Lawton Canal - Major Basin 1</b>				
LCSP01-C1	Channel		337.1	855.9
LCSP01-C11	Channel		95.3	114.7
LCSP01-C12	Channel		99.7	122.5
LCSP01-C13	Channel		106.6	132.0
LCSP01-C14	Channel		106.6	132.0
LCSP01-C15	Channel		104.6	130.3
LCSP01-C16	Channel		184.7	631.6
LCSP01-C17	Channel		197.0	268.7
LCSP01-C18	Channel		251.8	343.3
LCSP01-C19	Channel		367.7	564.0
LCSP01-C2	Channel		333.1	415.1
LCSP01-C20	Channel		367.7	564.0
LCSP01-C21	Channel		1046.6	1165.2
LCSP01-C22	Channel		392.5	579.1
LCSP01-C23	Channel		393.7	578.4
LCSP01-C24	Channel		143.2	140.1
LCSP01-C25	Channel		54.8	60.4
LCSP01-C26	Channel		179.2	179.2
LCSP01-C3	Channel		182.2	225.6
LCSP01-C30	Channel		8.0	12.0
LCSP01-C31	Channel		21.8	29.0
LCSP01-C32	Channel		21.8	29.0
LCSP01-C33	Channel		26.7	36.7
LCSP01-C35	Channel		21.4	45.4
LCSP01-C36	Channel		97.8	129.5
LCSP01-C37	Channel		638.6	1720.6
LCSP01-C38	Channel		50.3	68.9
LCSP01-C39	Channel		91.0	98.0
LCSP01-C4	Channel		176.1	208.1
LCSP01-C49A	Channel		19.4	27.7
LCSP01-C5	Channel		175.6	207.6
LCSP01-C50	Channel		7.2	9.9
LCSP01-C51	Channel		6.5	8.4
LCSP01-C51A	Channel		6.5	8.4
LCSP01-C52	Channel		6.1	8.2
LCSP01-C53	Channel		6.1	8.1
LCSP01-C6	Channel		180.8	211.4
LCSP01-C7	Channel		125.0	155.5
LCSP01-C71	Channel		29.5	44.1
LCSP01-C72	Channel		30.3	49.7
LCSP01-C73	Channel		30.9	58.2
LCSP01-C74	Channel		136.3	136.0
LCSP01-C8	Channel		125.0	155.5
LCSP01-C85	Channel		22.8	20.1
LCSP01-C9	Channel		112.6	143.2
LCSP01-D1	Drop Structure		8.2	13.6
LCSP01-D4	Drop Structure		99.7	122.5
LCSP01-D50	Drop Structure		22.5	25.7
LCSP01-D51	Drop Structure		20.5	29.1
LCSP01-D70	Drop Structure		16.5	17.5
LCSP01-DW1	Weir		0.0	0.0
LCSP01-DW4	Weir		0.0	0.0
LCSP01-DW50	Weir		0.0	0.0
LCSP01-DW51	Weir		0.0	0.0
LCSP01-DW70	Weir		0.0	0.0
LCSP01-P1	Pipe		242.9	276.0
LCSP01-P2	Pipe		175.8	207.8
LCSP01-P3	Pipe		100.5	130.6
LCSP01-P31	Pipe		21.8	28.2
LCSP01-P32	Pipe		26.7	29.0
LCSP01-P4	Pipe		54.1	59.9
LCSP01-P51	Pipe		3.4	4.5
LCSP01-P52	Pipe		6.1	8.2
LCSP01-P53	Pipe		6.1	8.2
LCSP01-P54	Pipe		6.2	8.1
LCSP01-P71	Pipe		29.1	42.7
LCSP01-P72	Pipe		29.9	45.5
LCSP01-P73	Pipe		30.5	52.2
LCSP01-P73A	Pipe		30.0	46.3
LCSP01-P85	Pipe		12.8	13.1
LCSP01-PSRC	Rating Curve		133.7	200.5
LCSP01-PW3	Weir		0.0	0.0
LCSP01-PW31	Weir		0.0	2.3
LCSP01-PW32	Weir		0.6	15.0
LCSP01-PW4	Weir		0.0	0.0
LCSP01-PW71	Weir		0.0	0.0
LCSP01-PW72	Weir		0.0	0.0
LCSP01-PW73	Weir		0.0	0.0
LCSP01-PW73A	Weir		0.0	0.0

TABLE M-14  
CONDUIT PEAK FLOWS  
HILTON HEAD ISLAND WATERSHED  
FUTURE LAND USE WITH PLAN

ICPR Conduit ID	Type	Future Improved Land Use		
		Improved Conduit?	25-Year Design Storm	100-Year Design Storm
LCSP01-PW85	Weir		0.0	0.0
LCSP01-W1	Weir		129.2	163.2
LCSP01-W100	Weir		8784.1	8784.1
LCSP01-W1A	Weir		18.6	39.5
<b>SPP - PCT Creek - Major Basin 1</b>				
PCSP01-C1	Channel		329.2	328.9
PCSP01-C10	Channel		100.1	75.7
PCSP01-C11	Channel		12.6	9.6
PCSP01-C11A	Channel		15.5	11.4
PCSP01-C12	Channel		6.9	6.0
PCSP01-C13	Channel		14.4	13.8
PCSP01-C14	Channel		2.9	37.9
PCSP01-C14A	Channel		18.2	18.2
PCSP01-C15	Channel		70.7	70.6
PCSP01-C2	Channel		326.9	331.1
PCSP01-C3	Channel		282.0	259.9
PCSP01-C4	Channel		287.5	260.4
PCSP01-C5	Channel		309.9	271.4
PCSP01-C6	Channel	Yes	311.0	276.9
PCSP01-C7	Channel		313.9	332.1
PCSP01-C8	Channel		143.4	154.8
PCSP01-C9	Channel		145.8	150.4
PCSP01-D1	Drop Structure		0.0	0.0
PCSP01-DW1	Weir		2.9	37.9
PCSP01-P1	Pipe		204.9	203.4
PCSP01-P1A	Pipe		126.2	127.9
PCSP01-P2	Pipe	Yes	309.9	217.6
PCSP01-P3	Pipe		15.5	11.4
PCSP01-P4	Pipe		17.1	16.4
PCSP01-P5	Pipe	Yes	74.3	69.5
PCSP01-P6	Pipe		88.7	95.5
PCSP01-PW1	Weir		0.0	0.0
PCSP01-PW2	Weir		0.0	57.9
PCSP01-PW4	Weir		0.0	0.0
PCSP01-PW5	Weir		0.0	5.1
PCSP01-PW6	Weir		0.0	17.1
<b>SPP - PCT Creek - Major Basin 2</b>				
PCSP02-C1	Channel		158.8	191.5
PCSP02-C2	Channel		158.8	191.4
PCSP02-C3	Channel		157.3	186.8
PCSP02-P1	Pipe	Yes	81.6	88.7
PCSP02-P2	Pipe	Yes	0.0	26.6
PCSP02-PW1	Weir		0.0	0.0
PCSP02-PW2	Weir		102.5	106.4
<b>Chaplan - Broad Creek Outfall - Major Basin 1</b>				
BRCHP01-C1	Channel		58.5	59.3
BRCHP01-C10	Channel		129.3	185.2
BRCHP01-C11	Channel		129.3	185.4
BRCHP01-C2	Channel		104.3	104.3
BRCHP01-C2A	Channel		185.9	266.4
BRCHP01-C3	Channel		143.0	207.1
BRCHP01-C4	Channel		142.9	207.0
BRCHP01-C5	Channel		132.5	189.9
BRCHP01-C6	Channel		132.3	189.5
BRCHP01-P1	Pipe		58.8	59.6
BRCHP01-P10	Pipe		35.2	33.7
BRCHP01-P10A	Pipe		32.9	31.9
BRCHP01-P2	Pipe		58.5	59.3
BRCHP01-P3	Pipe		78.6	85.3
BRCHP01-P4	Pipe		74.9	74.9
BRCHP01-P5	Pipe		40.2	40.1
BRCHP01-P6	Pipe		42.7	46.9
BRCHP01-PW1	Weir		0.0	0.0
BRCHP01-PW10	Weir		82.2	148.7
BRCHP01-PW2	Weir		0.0	0.0
BRCHP01-PW3	Weir		63.6	121.0
BRCHP01-PW4	Weir		71.2	138.6
BRCHP01-PW5	Weir		92.1	148.1
BRCHP01-PW6	Weir		89.8	143.0
BRCHP01-W1	Weir		129.4	185.5
<b>Indigo Run - Broad Creek - Major Basin 1</b>				
BRIRP01-D1	Drop Structure		25.9	31.7
BRIRP01-D2	Drop Structure		198.2	218.6
BRIRP01-DW1	Weir		193.8	214.4
BRIRP01-DW2	Weir		0.0	0.0
BRIRP01-P1	Pipe		219.6	245.8
BRIRP01-P10	Pipe		40.6	52.6
BRIRP01-P10A	Pipe		11.0	14.2
BRIRP01-P11	Pipe		11.9	16.2
BRIRP01-P11A	Pipe		11.2	17.4



TABLE M-14  
CONDUIT PEAK FLOWS  
HILTON HEAD ISLAND WATERSHED  
FUTURE LAND USE WITH PLAN

ICPR Conduit ID	Type	Future Improved Land Use		
		Improved Conduit?	25-Year Design Storm	100-Year Design Storm
BRIRP01-P12	Pipe		30.0	26.8
BRIRP01-P2	Pipe		219.9	247.4
BRIRP01-P3	Pipe		198.3	218.7
BRIRP01-P4A	Pipe		48.0	51.2
BRIRP01-P4B	Pipe		73.7	78.7
BRIRP01-P5	Pipe		60.2	73.1
BRIRP01-P6	Pipe		22.0	29.5
BRIRP01-P7	Pipe		56.3	64.2
BRIRP01-P8	Pipe		36.2	41.5
BRIRP01-P8A	Pipe		20.3	23.3
BRIRP01-P9	Pipe		41.1	51.9
BRIRP01-PW1	Weir		0.0	0.0
BRIRP01-PW10	Weir		0.0	35.3
BRIRP01-PW11	Weir		0.0	0.0
BRIRP01-PW12	Weir		3.4	34.7
BRIRP01-PW2	Weir		0.0	0.4
BRIRP01-PW3	Weir		0.0	0.0
BRIRP01-PW4A	Weir		0.0	0.0
BRIRP01-PW5	Weir		0.0	28.2
BRIRP01-PW6	Weir		0.0	0.0
BRIRP01-PW7	Weir		0.0	14.8
BRIRP01-PW8	Weir		0.0	0.0
BRIRP01-PW9	Weir		0.0	1.2
BRIRP02-C1	Channel		263.4	291.7
BRIRP02-C2	Channel		227.8	270.5
BRIRP02-C3	Channel		131.2	174.6
BRIRP02-P1	Pipe		252.6	276.2
BRIRP02-P2	Pipe		60.2	66.4
BRIRP02-P3	Pipe		27.3	31.1
BRIRP02-P4	Pipe		18.4	19.8
BRIRP02-P5	Pipe		33.7	35.3
BRIRP02-PW1	Weir		0.0	2.4
BRIRP02-PW4	Weir		0.0	0.0
BRIRP02-PW5	Weir		0.0	21.6
<b>Airport - Fish Haul - Major Basin 1</b>				
FHAIR0-C1	Channel		184.8	225.3
FHAIR0-P1	Pipe		147.4	155.5
FHAIR01-P1A	Pipe		147.4	155.5
FHAIR01-P2	Pipe		67.4	79.7
FHAIR01-P3	Pipe		85.3	0.0
FHAIR01-PW1	Weir		138.5	277.1
FHAIR01-PW2	Weir		0.0	0.0
FHAIR01-PW3	Weir		0.0	0.0
FHAIR01-W1	Weir		224.6	288.0
FHAIR01-W2	Weir		64.1	94.8
<b>Gum Tree - Jarvis Creek - Major Basin 1</b>				
JVGUM01-P1	Pipe		142.2	177.0
JVGUM01-P2	Pipe		122.6	121.6
JVGUM01-PW1	Weir		0.0	0.0
JVGUM01-PW2	Weir		29.8	161.1
<b>HHP - Jarvis Creek - Major Basin 1</b>				
JVHHP01-C50	Channel		12.2	14.2
JVHHP01-C7A	Channel		108.6	89.2
JVHHP01-D1	Drop Structure		550.7	550.4
JVHHP01-D100	Drop Structure		0.0	0.0
JVHHP01-D4	Drop Structure		55.7	56.1
JVHHP01-D4A	Drop Structure		68.3	72.2
JVHHP01-D5	Drop Structure		3.2	3.4
JVHHP01-D6	Drop Structure		0.0	0.0
JVHHP01-DW1	Weir		172.3	512.5
JVHHP01-DW100	Weir		0.0	0.0
JVHHP01-DW4	Weir		26.7	151.7
JVHHP01-DW6	Weir		0.0	0.0
JVHHP01-P1	Pipe		328.4	558.0
JVHHP01-P10	Pipe		9.0	9.3
JVHHP01-P11	Pipe		9.6	9.9
JVHHP01-P12	Pipe		6.9	8.0
JVHHP01-P2	Pipe		663.2	850.8
JVHHP01-P2A	Pipe		65.4	151.5
JVHHP01-P4	Pipe		120.6	119.1
JVHHP01-P4A	Pipe		60.3	59.6
JVHHP01-P5	Pipe		36.7	39.1
JVHHP01-P5A	Pipe		96.6	102.8
JVHHP01-P6	Pipe		0.0	0.0
JVHHP01-P7	Pipe		1.0	1.0
JVHHP01-P7A	Pipe		19.4	21.3
JVHHP01-P9	Pipe		0.0	0.0
JVHHP01-PS	Rating Curve		400.0	400.0
JVHHP01-PW1	Weir		0.0	0.0
JVHHP01-PW10	Weir		0.0	0.0

TABLE M-14  
CONDUIT PEAK FLOWS  
HILTON HEAD ISLAND WATERSHED  
FUTURE LAND USE WITH PLAN

ICPR Conduit ID	Type	Future Improved Land Use		
		Improved Conduit?	25-Year Design Storm	100-Year Design Storm
JVHHP01-PW2	Weir		0.0	0.0
JVHHP01-PW3	Weir		355.6	631.1
JVHHP01-PW5	Weir		0.0	0.0
JVHHP01-PW5A	Weir		77.3	212.0
JVHHP01-PW6	Weir		0.0	0.0
JVHHP01-PW7	Weir		0.0	0.0
JVHHP01-PW7A	Weir		6.6	15.8
JVHHP01-PW9	Weir		0.0	0.0
JVHHP01-W1	Weir		622.8	705.3
<b>Indigo Run - Jarvis Creek - Major Basin 1</b>				
JVIRP01-C1	Channel		41.8	50.2
JVIRP01-D1	Drop Structure		20.6	22.6
JVIRP01-DW1	Weir		0.0	23.4
JVIRP01-P1	Pipe		66.4	75.1
JVIRP01-P2	Pipe		26.8	29.4
JVIRP01-P3	Pipe		5.1	4.8
JVIRP01-PW1	Weir		0.0	0.0
JVIRP01-PW2	Weir		14.8	33.9
<b>Spanish Wells - Old House Creek - Major Basin 1</b>				
OHSPW01-C1	Channel		33.6	49.8
OHSPW01-D1	Drop Structure	Yes	10.9	12.9
OHSPW01-P1	Pipe	Yes	13.7	17.5
OHSPW01-P1A	Pipe	Yes	21.4	32.3
OHSPW01-P2	Pipe	Yes	9.6	10.0
OHSPW01-P3	Pipe	Yes	4.4	4.9
OHSPW01-P4	Pipe	Yes	8.4	9.3
OHSPW01-P5	Pipe		3.2	2.9
OHSPW01-PW1	Weir		0.0	0.0
OHSPW01-PW2	Weir		13.3	32.4
OHSPW01-PW3	Weir		16.9	41.1
OHSPW01-PW4	Weir		48.5	87.6
OHSPW01-PW5	Weir		0.0	5.4
OHSPW01-W1	Weir	Yes	33.7	51.5
<b>HHP - Park Creek - Major Basin 1</b>				
PAHHP01-D1	Drop Structure		83.8	83.5
PAHHP01-D2	Drop Structure		45.4	47.6
PAHHP01-DW1	Weir		0.5	166.4
PAHHP01-DW2	Weir		112.9	196.6
PAHHP01-P1	Pipe		190.3	191.0
PAHHP01-P2	Pipe		208.2	264.6
PAHHP01-P3	Pipe		130.5	172.2
PAHHP01-P4	Pipe		82.3	184.2
PAHHP01-P5	Pipe		8.1	5.5
PAHHP01-P6	Pipe		63.1	62.5
PAHHP01-PW1	Weir		180.1	341.0
PAHHP01-PW2	Weir		0.0	19.9
PAHHP01-PW3	Weir		0.0	56.9
PAHHP01-PW4	Weir		0.3	1.6
PAHHP01-PW5	Weir		64.5	122.8
PAHHP01-PW6	Weir		152.7	231.7
PAHHP01-W1	Weir		337.7	455.3
<b>HHP - Port Royal Sound - Major Basin 1</b>				
PRHHP01-C1	Channel		111.4	213.7
PRHHP01-C2	Channel		119.4	217.5
PRHHP01-C3	Channel		160.1	222.9
PRHHP01-C4	Channel		102.4	204.0
PRHHP01-C5	Channel		107.4	206.3
PRHHP01-D1	Drop Structure		55.9	56.5
PRHHP01-D2	Drop Structure		22.7	22.7
PRHHP01-D3	Drop Structure		17.8	20.2
PRHHP01-D4	Drop Structure		13.8	10.2
PRHHP01-DW1	Weir		8.6	132.6
PRHHP01-DW2	Weir		5.5	14.6
PRHHP01-DW3	Weir		0.0	0.0
PRHHP01-DW4	Weir		10.8	21.9
PRHHP01-P1	Pipe		46.5	71.8
PRHHP01-P1A	Pipe		64.1	98.8
PRHHP01-P2	Pipe		32.0	32.1
PRHHP01-P2A	Pipe		54.5	53.7
PRHHP01-P3	Pipe		5.7	5.7
PRHHP01-P4	Pipe		3.5	2.3
PRHHP01-PW1	Weir		0.0	75.1
PRHHP01-PW2	Weir		62.9	166.8
PRHHP01-PW3	Weir		0.0	4.7
PRHHP01-PW4	Weir		3.7	7.6
PRHHP01-W1	Weir		121.3	181.4
<b>HHP - Port Royal Sound - Major Basin 2</b>				
PRHHP02-D1	Drop Structure		81.5	148.8
PRHHP02-DW1	Weir		0.0	0.0
PRHHP02-P1	Pipe		89.8	101.7

TABLE M-14  
CONDUIT PEAK FLOWS  
HILTON HEAD ISLAND WATERSHED  
FUTURE LAND USE WITH PLAN

ICPR Conduit ID	Type	Future Improved Land Use		
		Improved Conduit?	25-Year Design Storm	100-Year Design Storm
PRHHP02-P2	Pipe		26.5	26.7
PRHHP02-P3	Pipe		7.8	8.7
PRHHP02-P4	Pipe		7.8	8.7
PRHHP02-P5	Pipe		7.8	8.7
PRHHP02-PW1	Weir		6.8	130.4
PRHHP02-PW2	Weir		172.5	290.7
<b>Palm Hall - Port Royal Sound - Major Basin 1</b>				
PRPHP01-C1	Channel		161.0	231.5
PRPHP01-C2	Channel		163.6	235.1
PRPHP01-C3	Channel		396.5	396.5
PRPHP01-D1	Drop Structure		23.5	23.2
PRPHP01-D10	Drop Structure		10.9	11.2
PRPHP01-D1A	Drop Structure		21.6	21.4
PRPHP01-D1D	Drop Structure		32.9	36.6
PRPHP01-D2	Drop Structure		6.5	4.9
PRPHP01-D3	Drop Structure		1.5	1.5
PRPHP01-D4	Drop Structure		7.1	6.8
PRPHP01-DW1	Weir		14.3	110.5
PRPHP01-DW2	Weir		81.2	147.5
PRPHP01-DW3	Weir		59.9	101.3
PRPHP01-DW4	Weir		24.2	67.8
PRPHP01-P1	Pipe		31.7	31.7
PRPHP01-P10	Pipe		1.4	1.4
PRPHP01-P11	Pipe		9.0	8.5
PRPHP01-P12	Pipe		18.9	20.5
PRPHP01-P13	Pipe		5.5	4.4
PRPHP01-P14	Pipe		0.5	0.4
PRPHP01-P15	Pipe		0.5	0.4
PRPHP01-P1A	Pipe		29.4	29.4
PRPHP01-P1B	Pipe		31.4	31.4
PRPHP01-P1C	Pipe		10.3	10.3
PRPHP01-P1D	Pipe		21.7	21.7
PRPHP01-P2	Pipe		33.1	36.1
PRPHP01-P2-1	Pipe		44.5	46.5
PRPHP01-P2A	Pipe		21.6	21.4
PRPHP01-P2B	Pipe		10.7	10.7
PRPHP01-P2C	Pipe		32.9	36.6
PRPHP01-P3	Pipe		19.0	19.9
PRPHP01-P4	Pipe		14.6	15.0
PRPHP01-P5	Pipe		11.0	175.0
PRPHP01-P6	Pipe		5.2	350.0
PRPHP01-PW1	Weir		274.4	274.4
PRPHP01-PW10	Weir		0.0	0.0
PRPHP01-PW11	Weir		0.0	50.2
PRPHP01-PW14	Weir		7.7	8.9
PRPHP01-PW15	Weir		6.5	7.5
PRPHP01-PW3	Weir		84.2	148.9
PRPHP01-PW4	Weir		97.6	158.7
PRPHP01-PW5	Weir		128.4	173.4
PRPHP01-PW6	Weir		35.0	53.4
<b>Gum Tree - Skull Creek - Major Basin 1</b>				
SKGUM01-C1	Channel		75.2	101.3
SKGUM01-C10	Channel		1.8	1.7
SKGUM01-C11	Channel		0.9	1.3
SKGUM01-C2	Channel		75.2	101.3
SKGUM01-C4	Channel		374.8	489.3
SKGUM01-C5	Channel		268.5	336.1
SKGUM01-C6	Channel		277.1	355.4
SKGUM01-C7	Channel		162.4	206.3
SKGUM01-C8	Channel		185.8	245.8
SKGUM01-C9	Channel		228.1	252.6
SKGUM01-P1	Pipe		75.2	101.3
SKGUM01-P2	Pipe		75.2	101.3
SKGUM01-P3	Pipe		224.9	242.1
SKGUM01-P4	Pipe		186.6	183.2
SKGUM01-P5	Pipe		144.0	163.8
SKGUM01-P6	Pipe		150.8	161.3
SKGUM01-P7	Pipe		16.9	16.4
SKGUM01-P8	Pipe		1.8	1.7
SKGUM01-PW1	Weir		0.0	0.0
SKGUM01-PW3	Weir		156.1	254.1
SKGUM01-PW4	Weir		133.1	209.4
SKGUM01-PW5	Weir		0.0	24.6
SKGUM01-PW6	Weir		45.4	106.4
SKGUM01-PW7	Weir		0.0	0.0
SKGUM01-PW8	Weir		0.0	0.0
SKGUM01-W1A	Weir		75.2	101.3
SKGUM01-W1B	Weir		311.2	399.4
SKGUM01-W1C	Weir		372.1	485.3
SKGUM01-WOUT	Weir		75.2	101.3

TABLE M-14  
 CONDUIT PEAK FLOWS  
 HILTON HEAD ISLAND WATERSHED  
 FUTURE LAND USE WITH PLAN

ICPR Conduit ID	Type	Future Improved Land Use		
		Improved Conduit?	25-Year Design Storm	100-Year Design Storm
<b>HHP - Skull Creek - Major Basin 1</b>				
SKHHP01-D1	Drop Structure		33.5	33.8
SKHHP01-DW1	Weir		127.9	259.1
SKHHP01-P1	Pipe		84.9	96.0
SKHHP01-P100	Pipe		-7.6	-10.9
SKHHP01-P2	Pipe		75.4	89.1
SKHHP01-P2A	Pipe		44.2	49.2
SKHHP01-P4	Pipe		23.3	23.0
SKHHP01-P5	Pipe		14.8	16.7
SKHHP01-PW1	Weir		0.0	0.0
SKHHP01-PW2A	Weir		42.3	67.7
SKHHP01-PW4	Weir		87.4	180.9
<b>HHP - Skull Creek - Major Basin 2</b>				
SKHHP02-D1	Drop Structure		67.0	76.8
SKHHP02-DW1	Weir		0.0	0.0
SKHHP02-P1	Pipe		32.7	33.2
SKHHP02-P2	Pipe		19.0	20.9
SKHHP02-P3	Pipe		8.2	8.0
SKHHP02-PW1	Weir		16.6	71.3
SKHHP02-PW2	Weir		0.0	0.0
SKHHP02-PW3	Weir		0.0	0.0
SKHHP02-W1	Weir		67.0	76.8

\*\* NOTE: Peak Flow Values taken form ICPR Link Maximum Table - Refer to ICPR and Link Graphs

**Sea Pines - Point Comfort Outfall - PCSP01**  
**Remove 2- 48" pipes, install 8' x 4' Box Culvert under Club Course Drive**  
**Clean Channel from Club Course Drive Upstream**

		Quantity	Units	Unit Cost	Cost
Item	Description	Quantity	Units	Unit Price	Total
1	Site Clearing and Grubbing	JOB	LS	Lump Sum	\$ 5,000.00
2	Grading	JOB	LS	Lump Sum	\$ 6,400.00
3	Erosion and Sedimentation Control	JOB	LS	Lump Sum	\$ 5,000.00
4	Grassing	JOB	LS	Lump Sum	\$ 440.00
5	Tree Protection	JOB	LS	Lump Sum	\$ 1,500.00
6	Selective Demolition	JOB	LS	Lump Sum	\$ 12,740.00
7	Unsuitable Material	JOB	LS	Lump Sum	\$ 3,600.00
8	Traffic Control	JOB	LS	Lump Sum	\$ 25,000.00
				<b>Subtotal - Clearing &amp; Grading</b>	<b>\$ 54,680.00</b>
<b>Water Distribution System</b>					
1	Relocate Existing 8" Water Main (with Ductile Iron)	40	LF	\$ 100.00	\$ 4,000.00
				<b>Subtotal - Water Distribution System</b>	<b>\$ 4,000.00</b>
<b>Sanitary Sewer System</b>					
1	Steel Sleeve and Encase Sewer Line in Concrete	30	LF	\$ 150.00	\$ 4,500.00
				<b>Subtotal - Sanitary Sewer Distribution System</b>	<b>\$ 4,500.00</b>
<b>Storm Drainage</b>					
1	18" RCP	15	LF	\$ 40.00	\$ 600.00
2	24" RCP	15	LF	\$ 50.00	\$ 750.00
3	Miter Pipes to Headwall	2	EA	\$ 1,500.00	\$ 3,000.00
4	Connect Pipe to Existing Pipe	2	EA	\$ 3,000.00	\$ 6,000.00
5	Construct Grate Inlet	1	EA	\$ 3,500.00	\$ 3,500.00
6	4' x 8' Box Culvert w/Headwalls and Apron	JOB	LS	Lump Sum	\$ 110,000.00
7	Type III Rip-Rap with Fabric	230	SY	\$ 95.00	\$ 21,850.00
8	Erosion Control Blanket (North American Green S75BN)	235	SY	\$ 2.50	\$ 587.50
9	Storm Water Management	JOB	LS	Lump Sum	\$ 25,000.00
10	Stone Backfill	50	CY	\$ 60.00	\$ 3,000.00
11	Sand Backfill	100	CY	\$ 15.00	\$ 1,500.00
				<b>Subtotal - Storm Drainage</b>	<b>\$ 175,787.50</b>
<b>Paving</b>					
1	18" Curb & Gutter	15	LF	\$ 40.00	\$ 600.00
2	6" Aggregate Base Course	90	SY	\$ 15.00	\$ 1,350.00
3	2" Asphaltic Concrete Surface Course	85	SY	\$ 10.00	\$ 850.00
				<b>Subtotal - Paving</b>	<b>\$ 2,800.00</b>
<b>Total Summary</b>					
				<b>SUBTOTAL - PROJECT</b>	<b>\$ 241,767.50</b>
				<b>30% CONTINGENCY</b>	<b>\$ 72,530.25</b>
				<b>TOTAL - PROJECT</b>	<b>\$ 314,297.75</b>

**OPINIONS OF PROBABLE COST**

Since the engineer has no control over the cost of labor, materials, equipment, the Contractor's methods of determining prices, or over competitive bidding or market conditions, his Opinions of Probable Construction Costs provided herein are to be made on the basis of his experience and qualifications. These opinions represent his best judgement as a design professional familiar with the construction industry.

**Indigo Run - BRIRP01**

**Additional Outfall**

**Additional 42" RCP Mead Lane**

**Additional 48" RCP Leg O Mutton**

**Additional 42" RCP at the Preserve Crossing**

**Additional 24" under US 278 at Lowest Invert Possible**

**Lower All Lagoon Elevations to 6.5 NAVD 88**

<b>Item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Total</b>
<b>Clearing &amp; Grading</b>					
1	Clearing	Job	LS	Lump Sum	\$ 5,000.00
2	Grading	Job	LS	Lump Sum	\$ 5,000.00
3	Erosion and Sedimentation Control	Job	LS	Lump Sum	\$ 5,000.00
4	Grassing	Job	LS	Lump Sum	\$ 5,000.00
5	Selective Demolition (open cut road)	Job	LS	Lump Sum	\$ 10,000.00
6	Existing Utility Relocation	Job	LS	Lump Sum	\$ 25,000.00
7	Traffic Control	Job	LS	Lump Sum	\$ 55,000.00
<b>Subtotal - Clearing &amp; Grading</b>					<b>\$ 110,000.00</b>
<b>Storm Drainage</b>					
1	Control Structure	1	EA	\$ 15,000.00	\$ 15,000.00
2	66" RCP	910	LF	\$ 300.00	\$ 273,000.00
3	24" RCP (Jack and Boore)	172	LF	\$ 300.00	\$ 51,600.00
4	42" RCP	50	LF	\$ 135.00	\$ 6,750.00
5	48" RCP	230	LF	\$ 150.00	\$ 34,500.00
6	Rip-Rap	200	SY	\$ 100.00	\$ 20,000.00
7	Grate Inlet	1	EA	\$ 10,000.00	\$ 10,000.00
8	Headwalls	6	EA	\$ 10,000.00	\$ 60,000.00
9	Lower Static Water Elevations	Job	LS	Lump Sum	\$ 10,000.00
10	Bubbler	1	EA	\$ 15,000.00	\$ 15,000.00
11	Water Management	Job	LS	Lump Sum	\$ 50,000.00
<b>Subtotal - Storm Drainage</b>					<b>\$ 545,850.00</b>
<b>Paving</b>					
1	Remove and Replace Pavement	Job	LS	Lump Sum	\$ 25,000.00
<b>Subtotal - Paving</b>					<b>\$ 25,000.00</b>
<b>Total Summary</b>					
<b>SUBTOTAL - PROJECT</b>					<b>\$ 680,850.00</b>
<b>30% CONTINGENCY</b>					<b>\$ 204,255.00</b>
<b>TOTAL - PROJECT</b>					<b>\$ 885,105.00</b>

**OPINIONS OF PROBABLE COST**

Since the engineer has no control over the cost of labor, materials, equipment, the Contractor's methods of determining prices, or over competitive bidding or market conditions, his Opinions of Probable Construction Costs provided herein are to be made on the basis of his experience and qualifications. These opinions represent his best judgement as a design professional familiar with the construction industry. This Opinion of Probable Cost does not include easement/property acquisition costs.

**Braddock Cove - BCSP01**

**Replace Drop Structure with 12' min. weir box, 42" RCP barrel;**

**Replace Upstream Barrel Diameters with 36" RCP**

		<b>Quantity</b>	<b>Units</b>	<b>Unit Cost</b>	<b>Cost</b>
1	Clearing	Job	LS	Lump Sum	\$ 1,000.00
2	Grading	Job	LS	Lump Sum	\$ 1,500.00
3	Erosion and Sedimentation Control	Job	LS	Lump Sum	\$ 2,500.00
4	Grassing	Job	LS	Lump Sum	\$ 1,000.00
5	Selective Demolition	Job	LS	Lump Sum	\$ 5,000.00
6	Existing Utility Relocation	Job	LS	Lump Sum	\$ 15,000.00
7	Traffic Control	Job	LS	Lump Sum	\$ 7,500.00
				<b>Subtotal - Clearing &amp; Grading</b>	<b>\$ 33,500.00</b>
<b>Storm Drainage</b>					
1	Outfall Structure	1	EA	\$ 15,000.00	\$ 15,000.00
2	42" RCP	200	LF	\$ 135.00	\$ 27,000.00
3	36" RCP	500	LF	\$ 125.00	\$ 62,500.00
4	Rip-Rap	120	SY	\$ 100.00	\$ 12,000.00
5	Headwalls	4	EA	\$ 5,000.00	\$ 20,000.00
6	Water Management	Job	LS	Lump Sum	\$ 10,000.00
				<b>Subtotal - Storm Drainage</b>	<b>\$ 146,500.00</b>
<b>Paving</b>					
1	Remove and Replace Pavement	Job	LS	Lump Sum	\$ 10,000.00
				<b>Subtotal - Paving</b>	<b>\$ 10,000.00</b>
<b>Total Summary</b>					
				<b>SUBTOTAL - PROJECT</b>	<b>\$ 190,000.00</b>
				<b>30% CONTINGENCY</b>	<b>\$ 57,000.00</b>
				<b>TOTAL - PROJECT</b>	<b>\$ 247,000.00</b>

**OPINIONS OF PROBABLE COST**

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These opinions represent his best judgement as a design professional familiar with the construction

**Baynard Cove - BASPP03  
Upstream Flooding from Outfall Upstream  
Add Additional Control Structure**

		<b>Quantity</b>	<b>Units</b>	<b>Unit Cost</b>	<b>Cost</b>
1	Clearing	Job	LS	Lump Sum	\$ 500.00
2	Grading	Job	LS	Lump Sum	\$ 1,000.00
3	Erosion and Sedimentation Control	Job	LS	Lump Sum	\$ 1,000.00
4	Grassing	Job	LS	Lump Sum	\$ 500.00
5	Selective Demolition	Job	LS	Lump Sum	\$ 5,000.00
6	Existing Utility Relocation	Job	LS	Lump Sum	\$ 10,000.00
7	Traffic Control	Job	LS	Lump Sum	\$ 2,500.00
<b>Subtotal - Clearing &amp; Grading</b>					<b>\$ 20,500.00</b>
<b>Storm Drainage</b>					
1	Outfall Structure	1	EA	\$ 15,000.00	\$ 15,000.00
2	30" RCP	275	LF	\$ 100.00	\$ 27,500.00
3	Rip-Rap	60	SY	\$ 100.00	\$ 6,000.00
4	Headwalls	2	EA	\$ 5,000.00	\$ 10,000.00
5	Water Management	Job	LS	Lump Sum	\$ 10,000.00
<b>Subtotal - Storm Drainage</b>					<b>\$ 68,500.00</b>
<b>Paving</b>					
1	Remove and Replace Pavement	Job	LS	Lump Sum	\$ 7,500.00
<b>Subtotal - Paving</b>					<b>\$ 7,500.00</b>
<b>Total Summary</b>					
<b>SUBTOTAL - PROJECT</b>					<b>\$ 96,500.00</b>
<b>30% CONTINGENCY</b>					<b>\$ 28,950.00</b>
<b>TOTAL - PROJECT</b>					<b>\$ 125,450.00</b>

**OPINIONS OF PROBABLE COST**

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**Baynard Cove - BASPP02**

**Install Additional 36" RCP Downstream of Turnberry Lane**

**Install Additional 30" RCP at Turnberry Lane**

**No Improvements at Baynard Park Road**

**Replace Existing 30" with 42" at Downstream Crossing from Heritage Road**

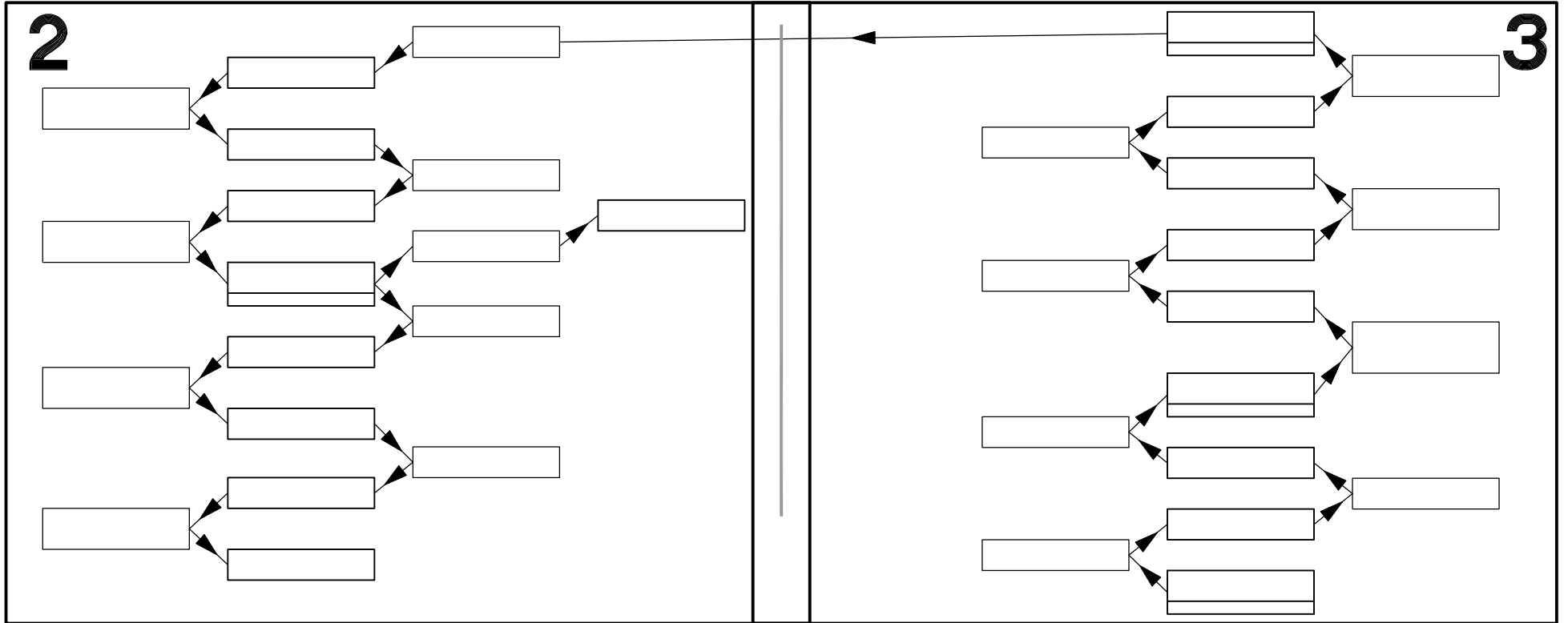
**Replace Existing 30" with 36" at Heritage Road**

		<b>Quantity</b>	<b>Units</b>	<b>Unit Cost</b>	<b>Cost</b>
1	Clearing	Job	LS	Lump Sum	\$ 5,000.00
2	Grading	Job	LS	Lump Sum	\$ 5,000.00
3	Erosion and Sedimentation Control	Job	LS	Lump Sum	\$ 3,000.00
4	Grassing	Job	LS	Lump Sum	\$ 3,000.00
5	Selective Demolition	Job	LS	Lump Sum	\$ 6,000.00
6	Existing Utility Relocation	Job	LS	Lump Sum	\$ 15,000.00
7	Traffic Control	Job	LS	Lump Sum	\$ 5,000.00
				<b>Subtotal - Clearing &amp; Grading</b>	<b>\$ 42,000.00</b>
<b>Storm Drainage</b>					
1	30" RCP	200	LF	\$ 100.00	\$ 20,000.00
2	36" RCP	115	LF	\$ 125.00	\$ 14,375.00
3	42" RCP	275	LF	\$ 135.00	\$ 37,125.00
4	Rip-Rap	100	SY	\$ 100.00	\$ 10,000.00
5	Headwalls	6	EA	\$ 5,000.00	\$ 30,000.00
6	Water Management	Job	LS	Lump Sum	\$ 25,000.00
				<b>Subtotal - Storm Drainage</b>	<b>\$ 136,500.00</b>
<b>Paving</b>					
1	Remove and Replace Pavement	Job	LS	Lump Sum	\$ 15,000.00
				<b>Subtotal - Paving</b>	<b>\$ 15,000.00</b>
<b>Total Summary</b>				<b>SUBTOTAL - PROJECT</b>	<b>\$ 193,500.00</b>
				<b>30% CONTINGENCY</b>	<b>\$ 58,050.00</b>
				<b>TOTAL - PROJECT</b>	<b>\$ 251,550.00</b>

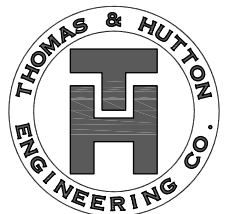
**OPINIONS OF PROBABLE COST**

Since the engineer has no control over the cost of labor, materials, equipment, the Contractor's methods of determining prices, or over competitive bidding or market conditions, his Opinions of Probable Construction Costs provided herein are to be made on the basis of his experience and qualifications. These opinions represent his best judgement as a design professional familiar with the construction industry.

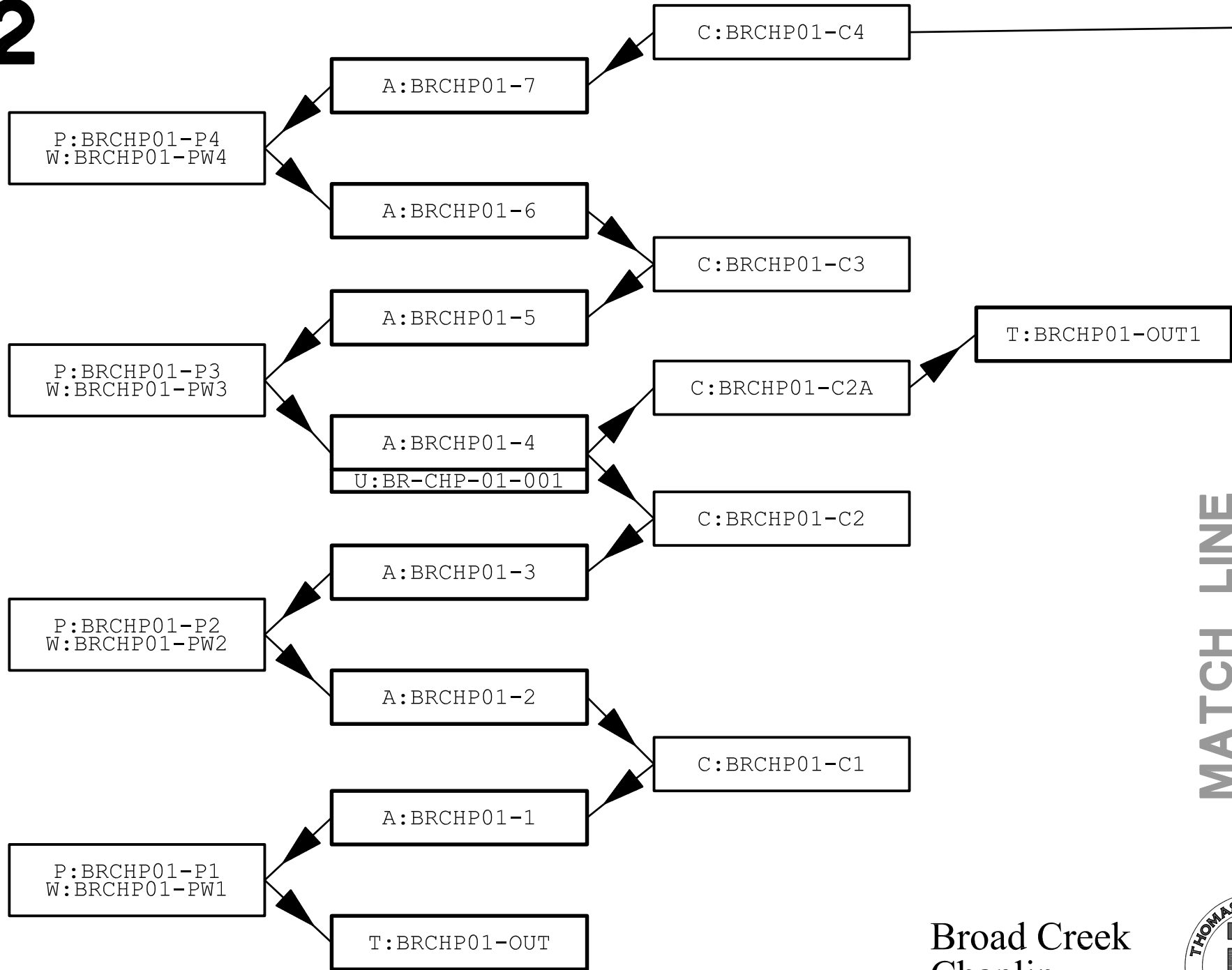
# 1



Broad Creek  
Chaplin  
Major Basin 1

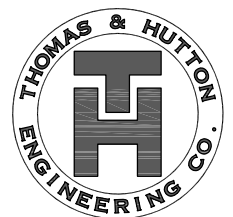


2

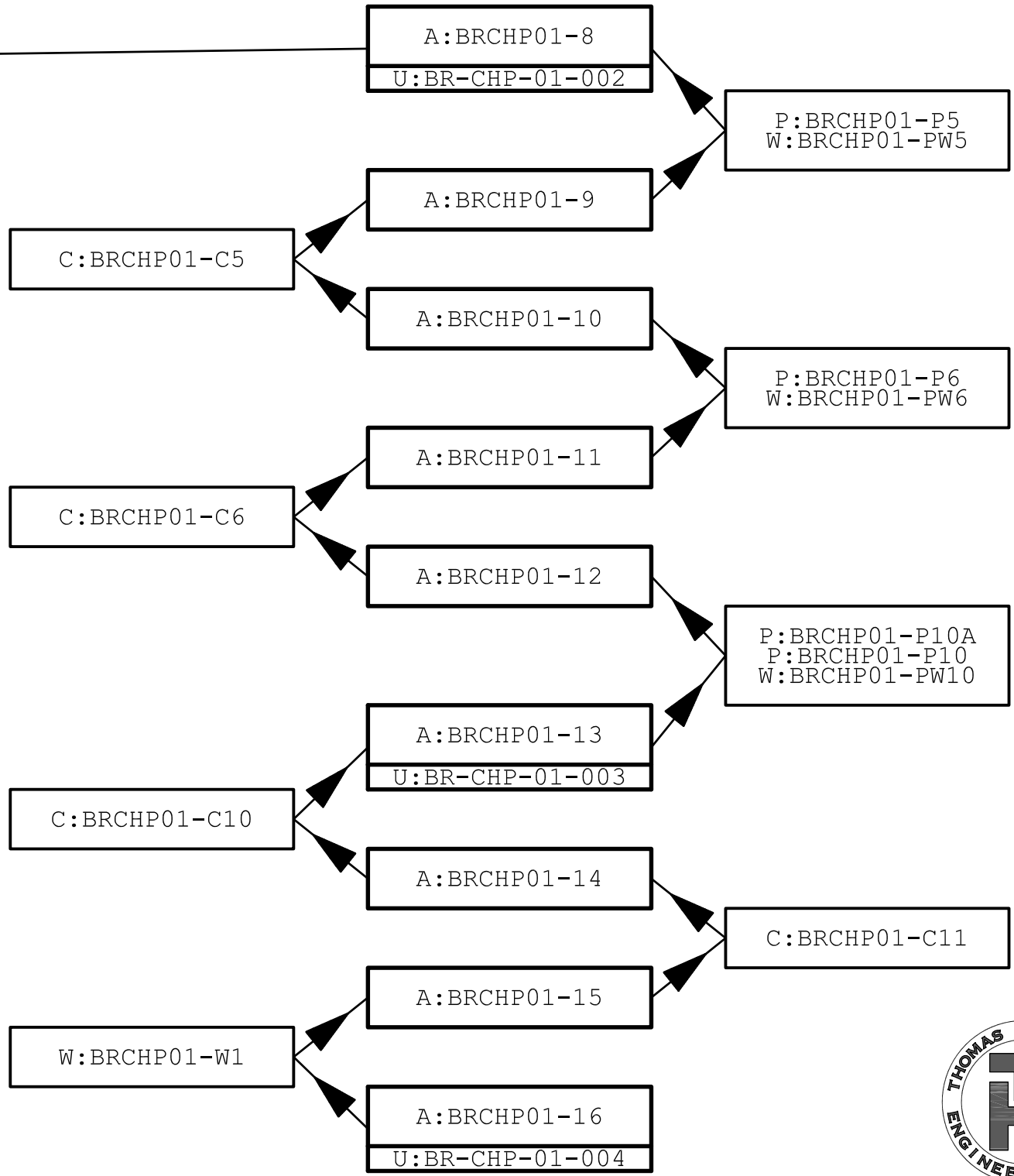


MATCH LINE  
SEE SHEET NO.3

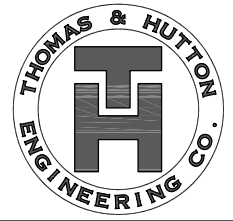
Broad Creek  
Chaplin  
Major Basin 1



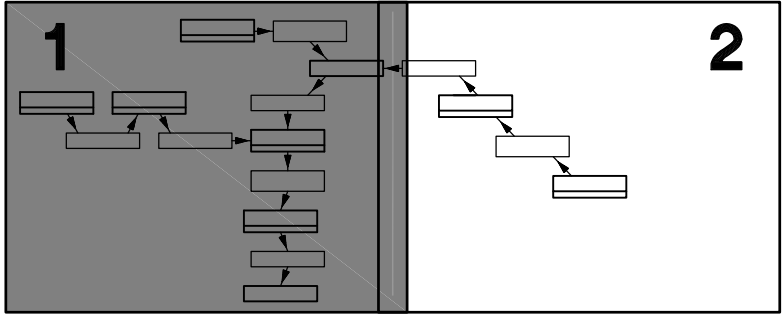
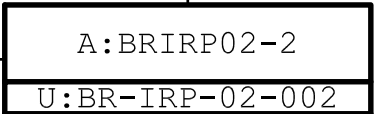
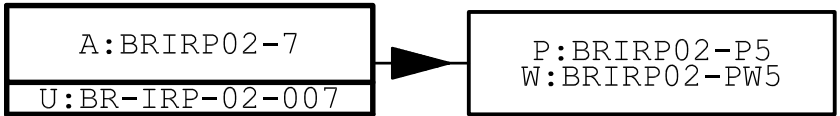
MATCH LINE  
SEE SHEET NO.2



Broad Creek  
Chaplin  
Major Basin 1

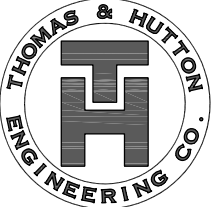


1



MATCH LINE  
SEE SHEET NO.2

Broad Creek  
Indigo Run  
Major Basin 2



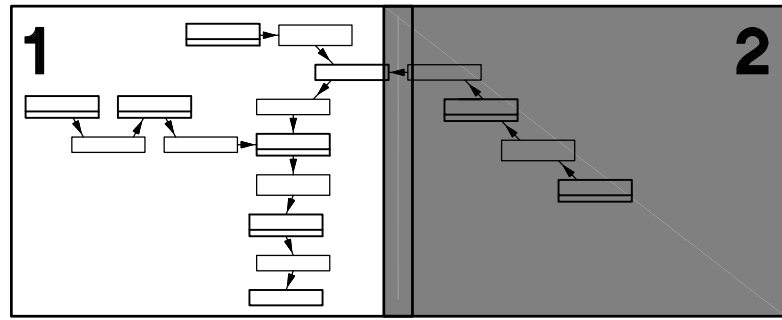
MATCH LINE  
SEE SHEET NO.1

P:BRIRP02-P3

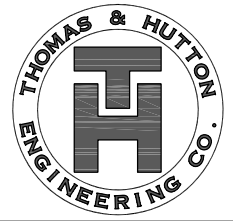
A:BRIRP02-5  
U:BR-IRP-02-003

P:BRIRP02-P4  
W:BRIRP02-PW4

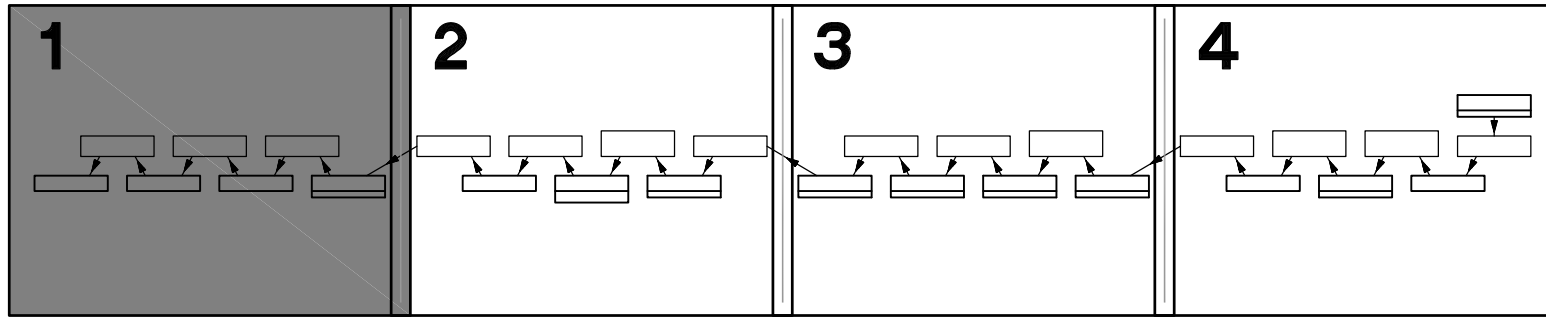
A:BRIRP02-6  
U:BR-IRP-02-006



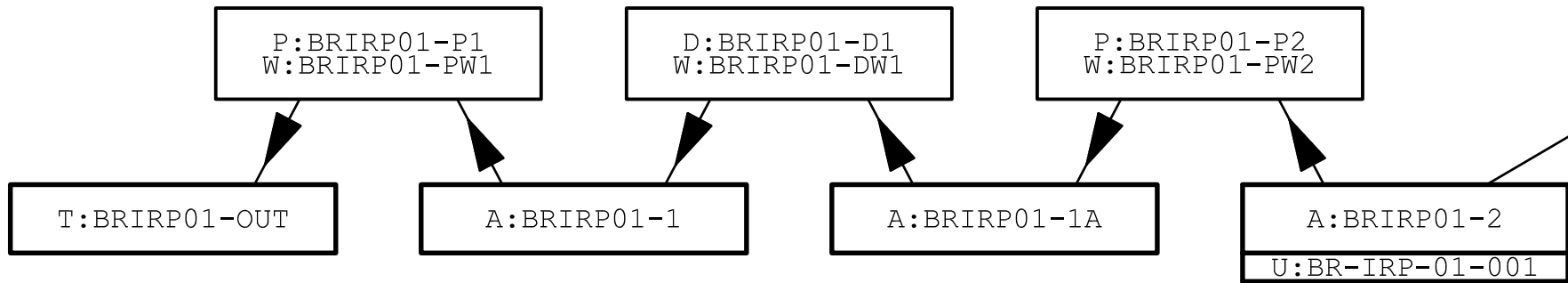
Broad Creek  
Indigo Run  
Major Basin 2



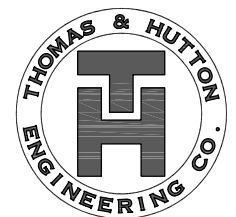
1



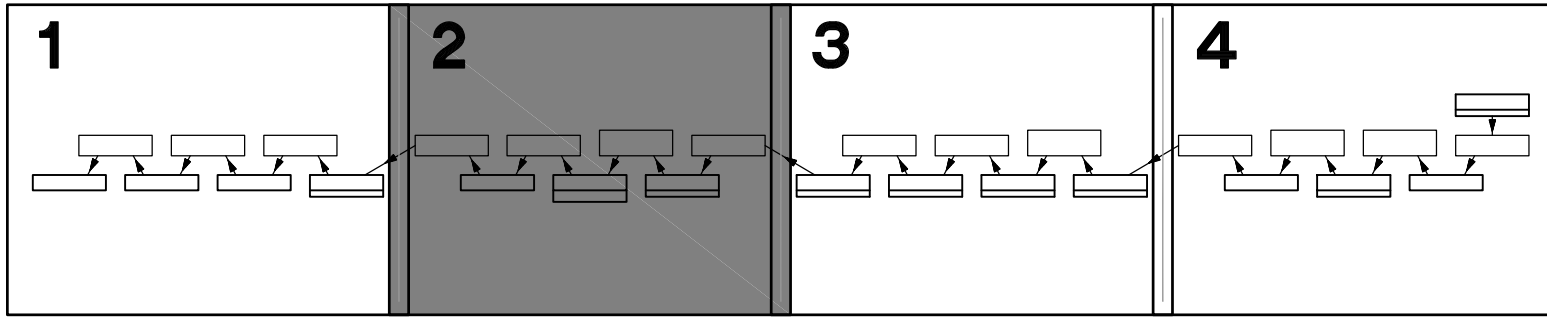
MATCH LINE  
SEE SHEET NO.2



Broad Creek  
Indigo Run  
Major Basin 1



2



P:BRIRP01-P3  
W:BRIRP01-PW3

D:BRIRP01-D2  
W:BRIRP01-DW2

P:BRIRP01-P4A  
P:BRIRP01-P4B  
W:BRIRP01-PW4A

P:BRIRP01-P5  
W:BRIRP01-PW5

A:BRIRP01-2A

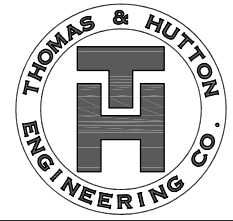
A:BRIRP01-3  
U:BR-IRP-01-002  
U:BR-IRP-01-003

A:BRIRP01-4  
U:BR-IRP-01-004

MATCH LINE  
SEE SHEET NO.1

MATCH LINE  
SEE SHEET NO.3

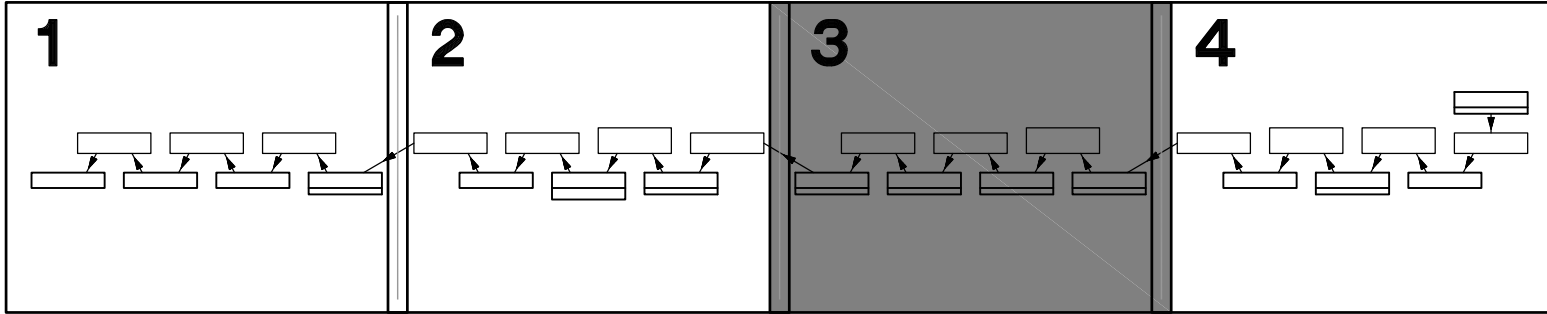
Broad Creek  
Indigo Run  
Major Basin 1





MATCH LINE  
SEE SHEET NO.2

**3**



MATCH LINE  
SEE SHEET NO.4

P:BRIRP01-P6  
W:BRIRP01-PW6

P:BRIRP01-P7  
W:BRIRP01-PW7

P:BRIRP01-P8  
P:BRIRP01-P8A  
W:BRIRP01-PW8

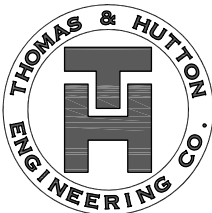
A:BRIRP01-5  
U:BR-IRP-01-005

A:BRIRP01-6  
U:BR-IRP-01-006

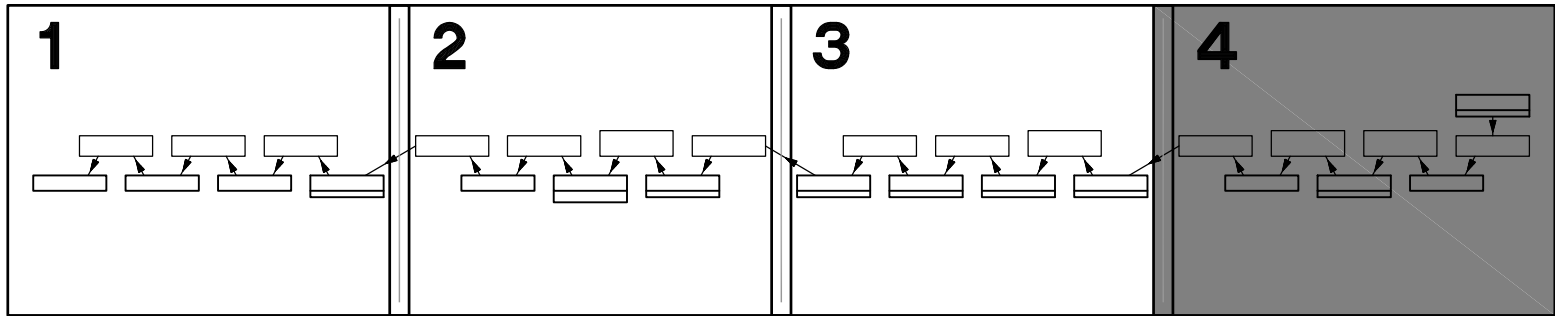
A:BRIRP01-7  
U:BR-IRP-01-007

A:BRIRP01-8  
U:BR-IRP-01-008

Broad Creek  
Indigo Run  
Major Basin 1



# 4



P:BRIRP01-P9  
W:BRIRP01-PW9

P:BRIRP01-P10  
P:BRIRP01-P10A  
W:BRIRP01-PW10

P:BRIRP01-P11  
P:BRIRP01-P11A  
W:BRIRP01-PW11

A:BRIRP01-12  
U:BR-IRP-01-010

P:BRIRP01-P12  
W:BRIRP01-PW12

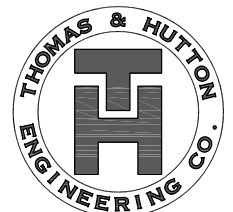
A:BRIRP01-9

A:BRIRP01-10  
U:BR-IRP-01-009

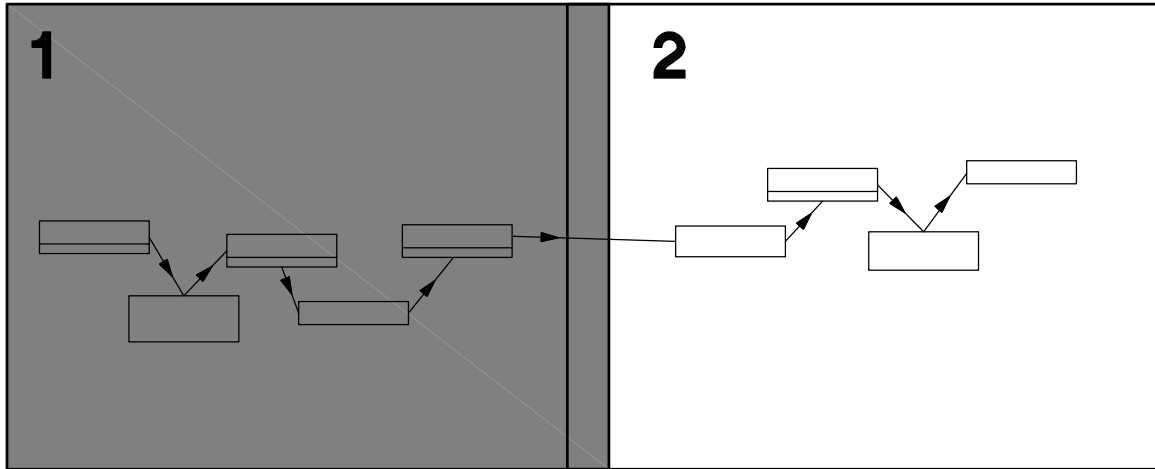
A:BRIRP01-11

MATCH LINE  
SEE SHEET NO.3

Broad Creek  
Indigo Run  
Major Basin 1



# 1



MATCH LINE  
SEE SHT NO.2

A:FHAIR01-4  
U:FH-AIR-01-004

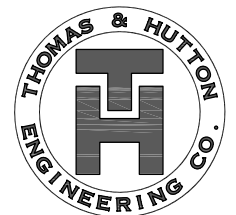
A:FHAIR01-3  
U:FH-AIR-01-003

A:FHAIR01-2  
U:FH-AIR-01-002

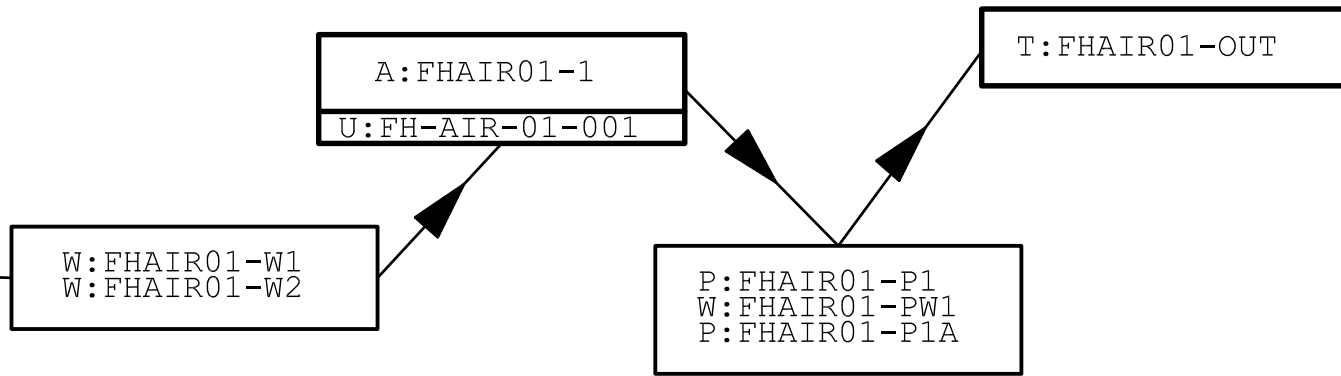
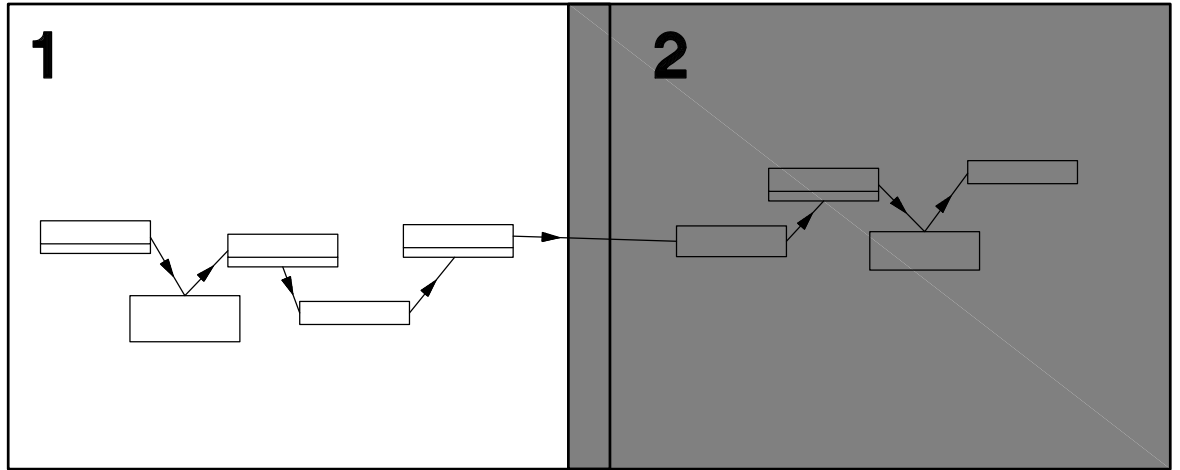
P:FHAIR01-P2  
P:FHAIR01-P3  
W:FHAIR01-PW2  
W:FHAIR01-PW3

C:FHAIR0-C1

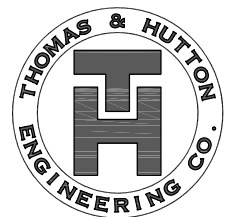
FISH HAUL CREEK  
AIRPORT  
MAJOR BASIN 1



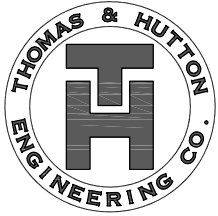
MATCH LINE  
SEE SHT NO.1 **2**



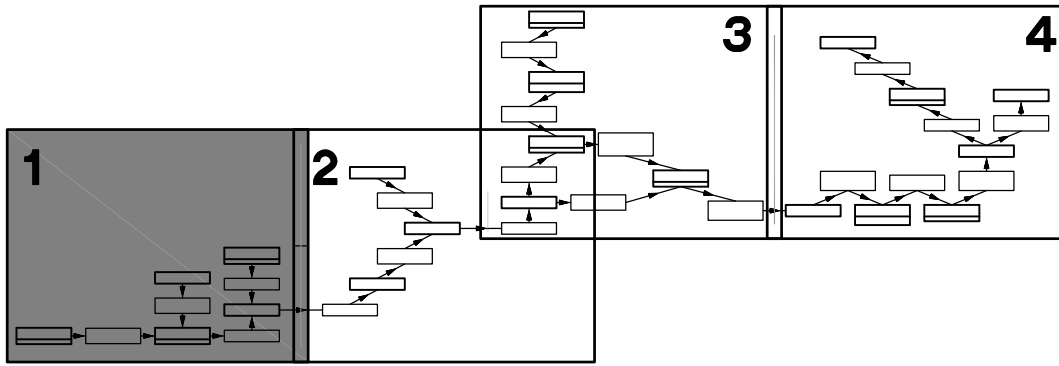
FISH HAUL CREEK  
AIRPORT  
MAJOR BASIN 1



1



# Jarvis Creek Hilton Head Plantation Major Basin 1



A: PAHHP01-6  
U: PA-HHP-01-006

D: JVHHP01-D100  
W: JVHHP01-DW100

A: JVHHP01-23  
U: JV-HHP-01-007

A: JVHHP01-24

D: JVHHP01-D6  
W: JVHHP01-DW6

A: JVHHP01-25  
U: JV-HHP-01-008

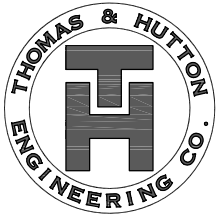
P: JVHHP01-P12

A: JVHHP01-22

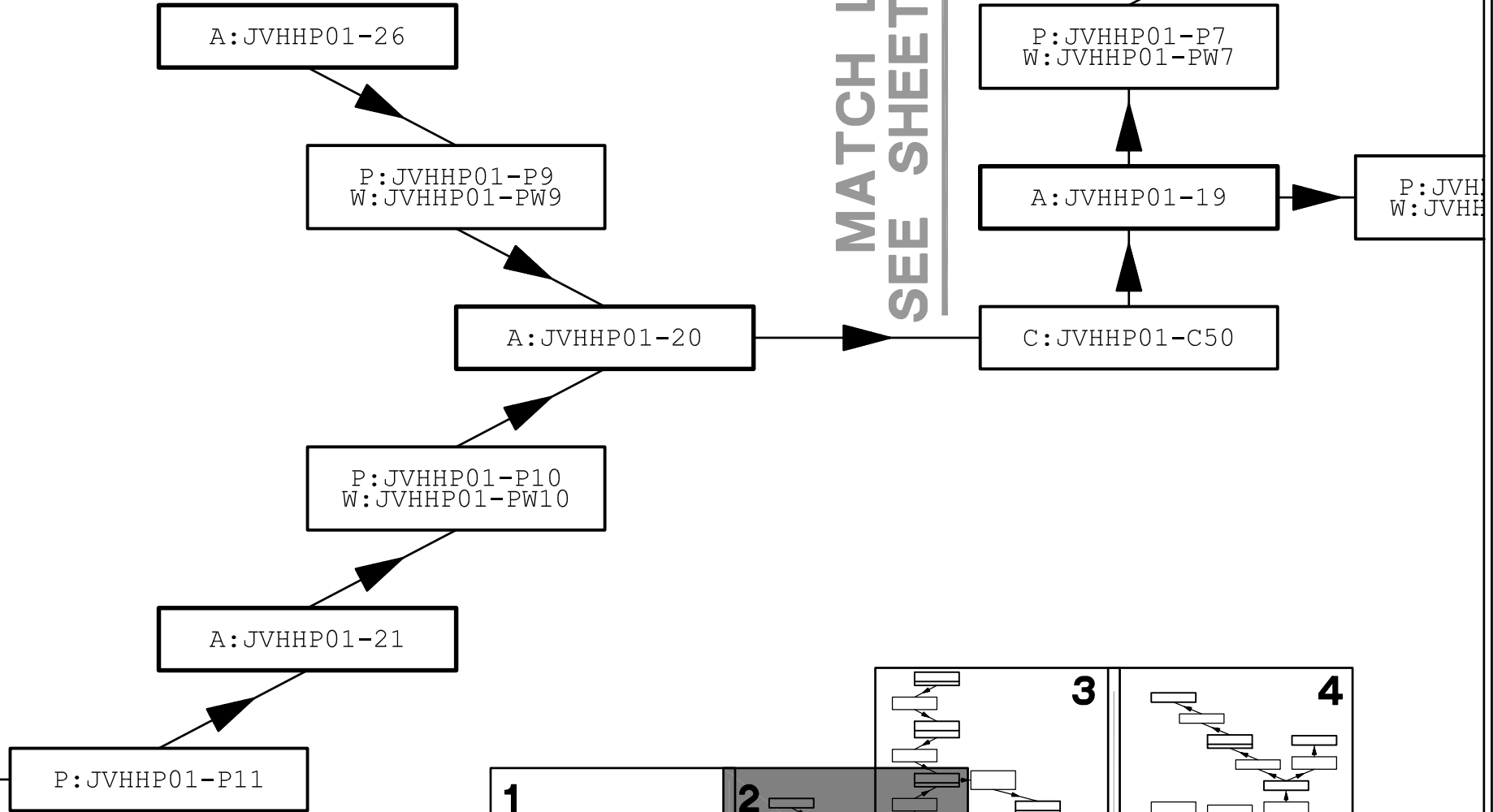
D: JVHHP01-D5

MATCH LINE - SEE SHEET NO.2

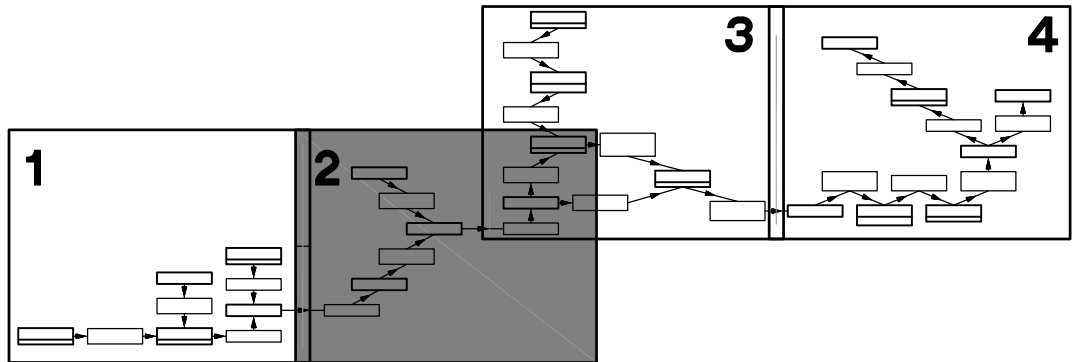
MATCH LINE - SEE SHEET NO.1 **2**



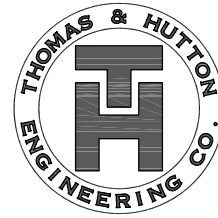
# Jarvis Creek Hilton Head Plantation Major Basin 1



MATCH LINE  
SEE SHEET NO.3



3



Jarvis Creek  
Hilton Head Plantation  
Major Basin 1

A: JVHHP01-18  
U: JV-HHP-01-010

P: JVHHP01-P6  
W: JVHHP01-PW6

A: JVHHP01-17  
U: JV-HHP-01-009  
U: JV-HHP-01-011

D: JVHHP01-D4  
W: JVHHP01-DW4

A: JVHHP01-16  
U: JV-HHP-01-006

P: JVHHP01-P5  
P: JVHHP01-P5A  
W: JVHHP01-PW5  
W: JVHHP01-PW5A

P: JVHHP01-P7  
W: JVHHP01-PW7

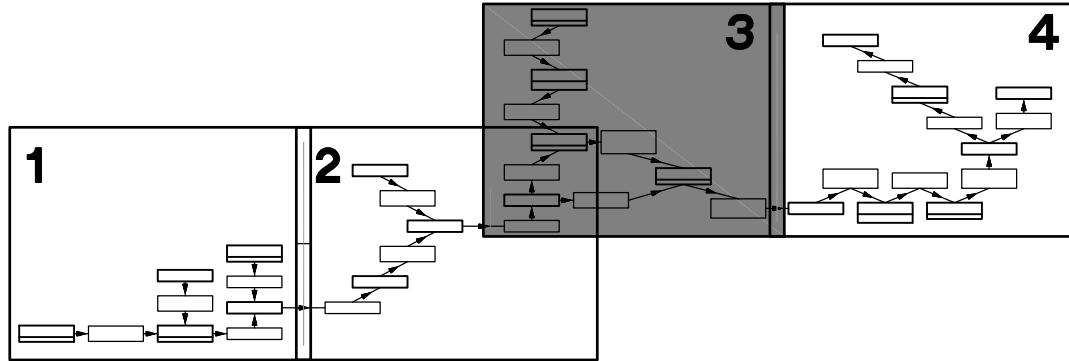
A: JVHHP01-15  
U: JV-HHP-01-005

A: JVHHP01-19

P: JVHHP01-P7A  
W: JVHHP01-PW7A

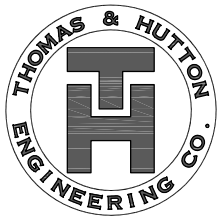
C: JVHHP01-C50

P: JVHHP01-P4  
P: JVHHP01-P4A  
W: JVHHP01-PW4

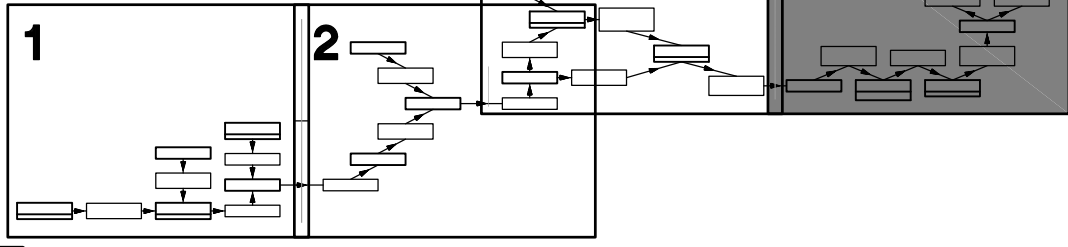
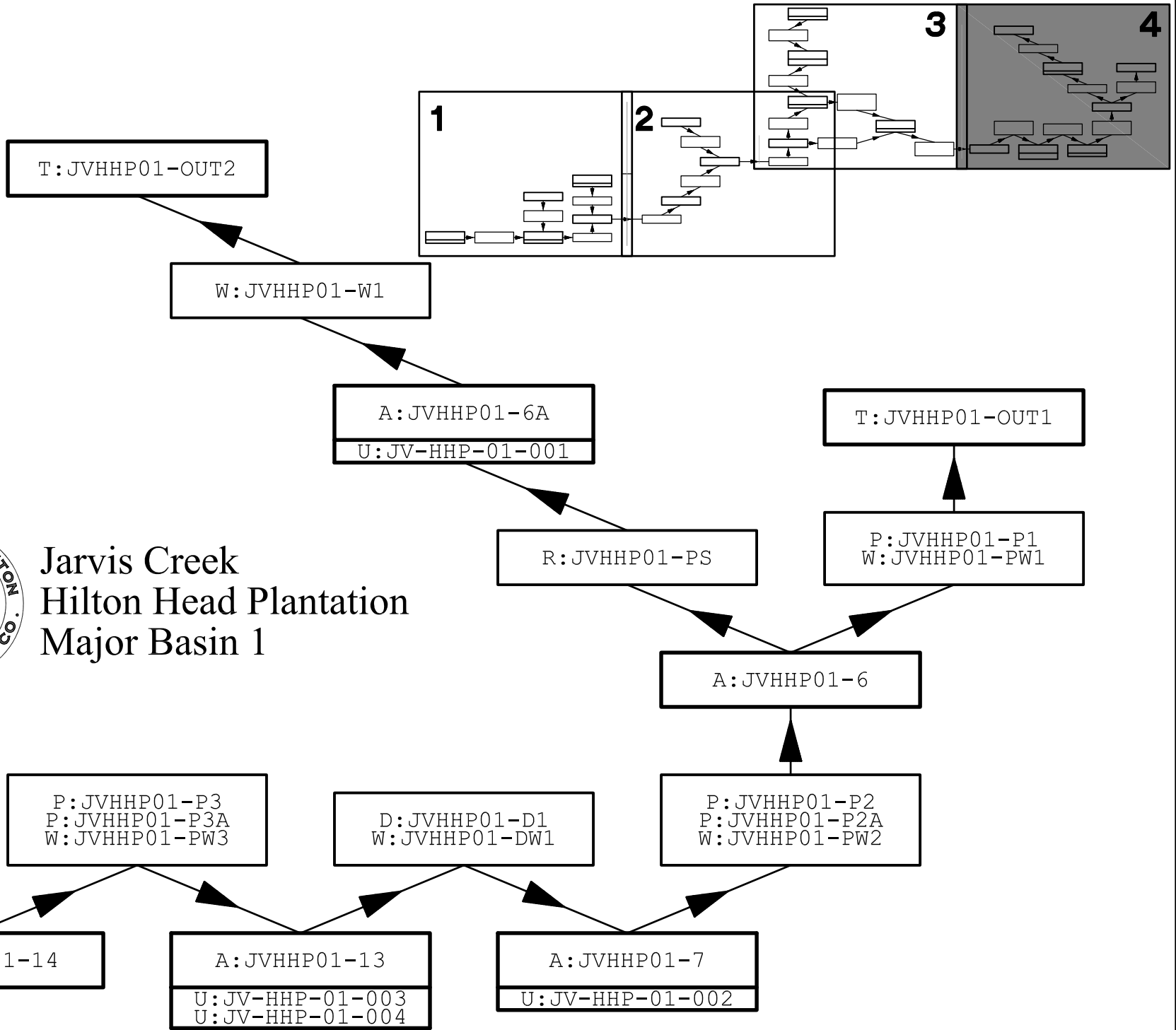


MATCH LINE - SEE SHEET NO.2

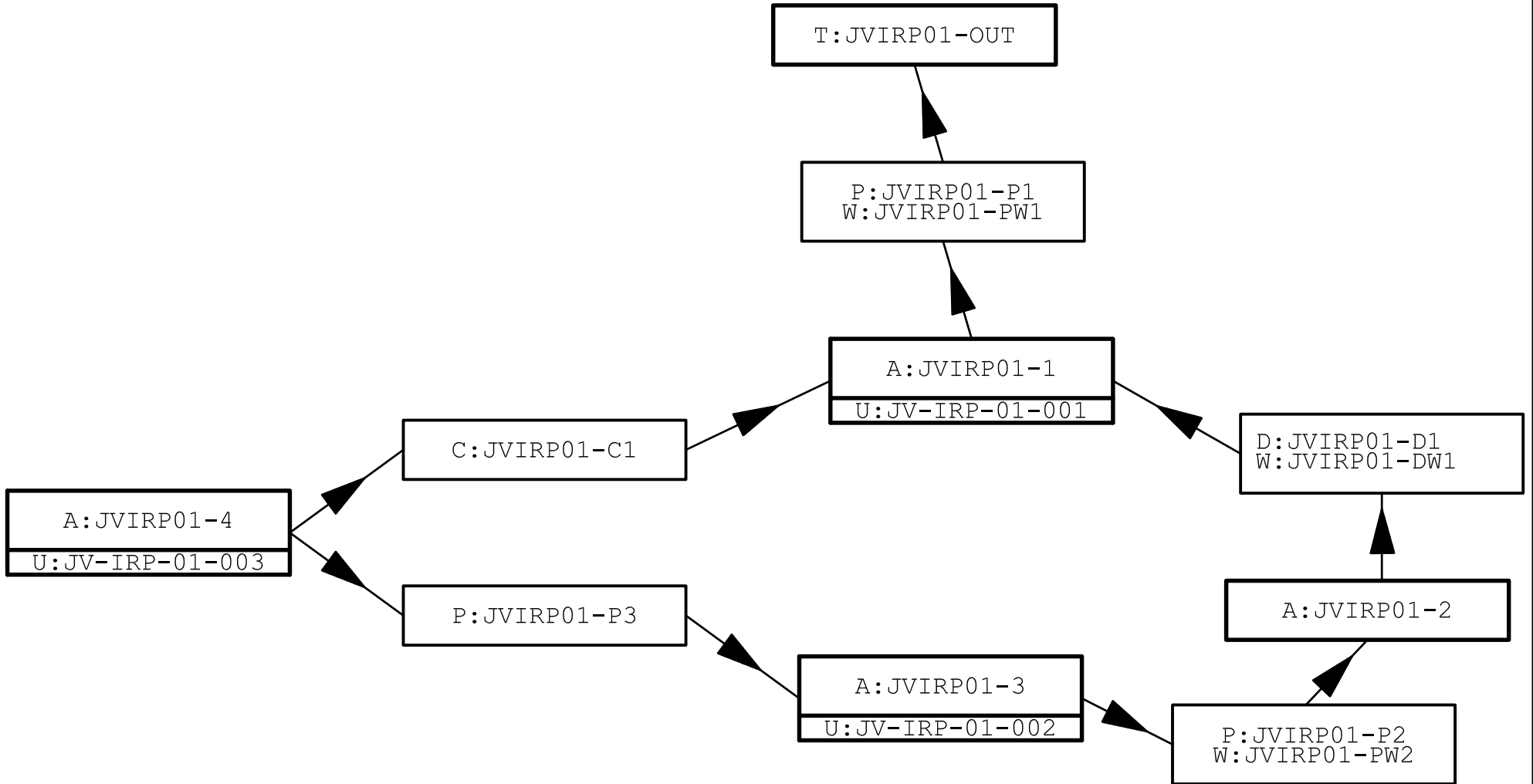
MATCH LINE  
SEE SHEET NO.4



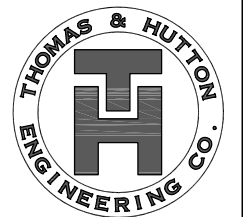
Jarvis Creek  
Hilton Head Plantation  
Major Basin 1

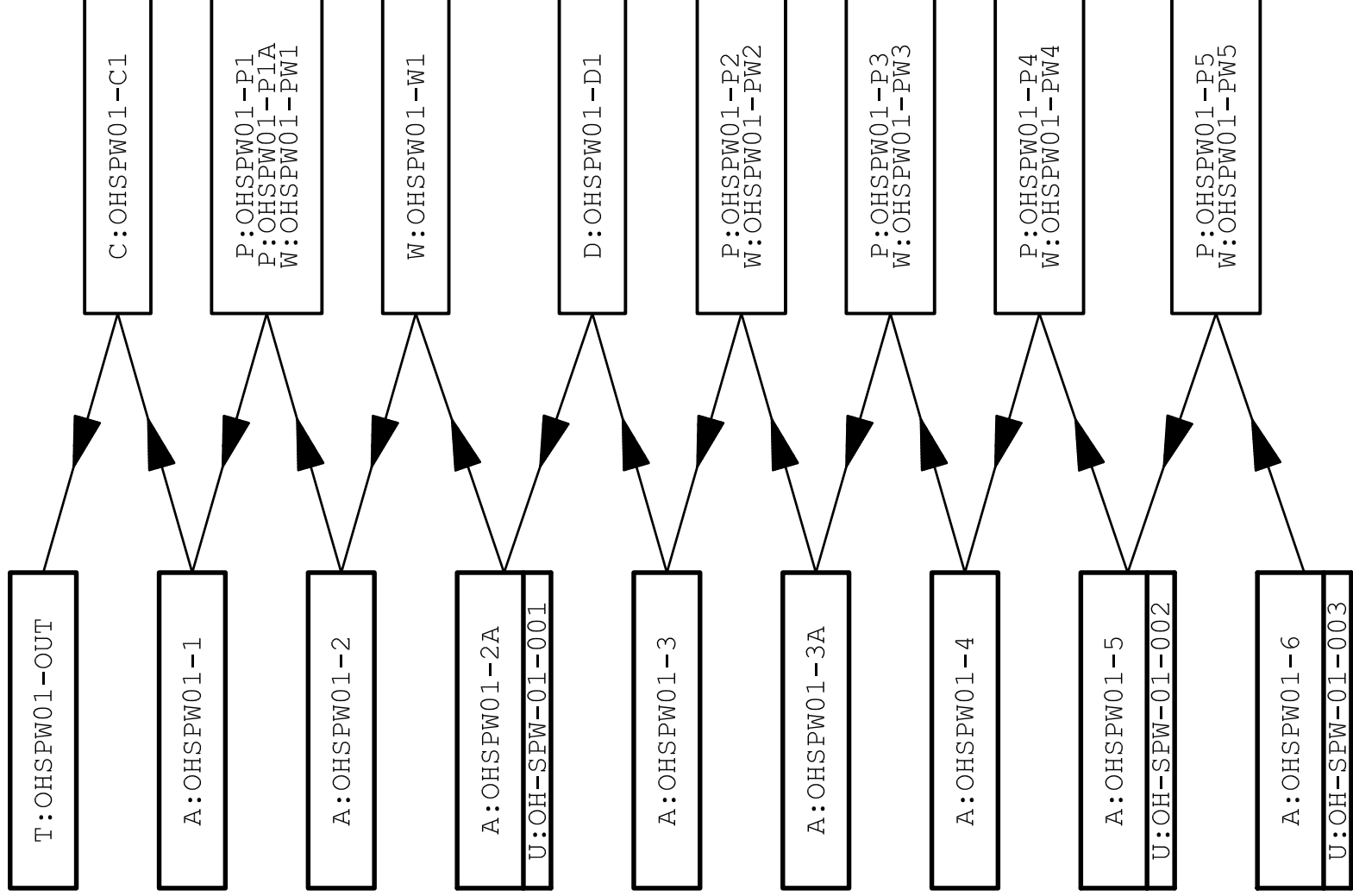
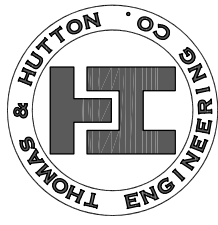






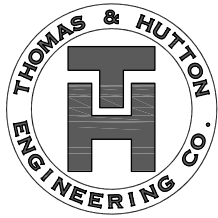
Jarvis Creek  
 Indigo Run  
 Major Basin 1



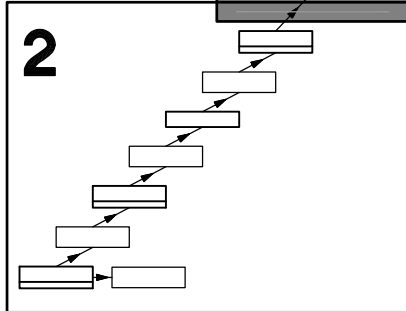
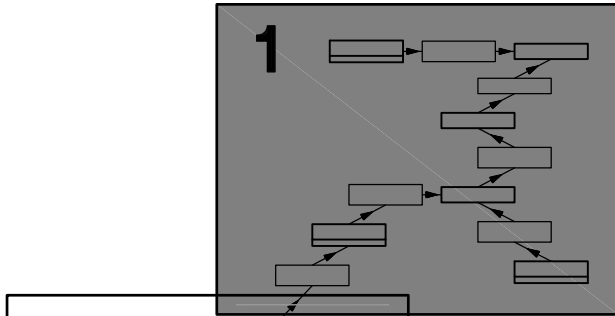
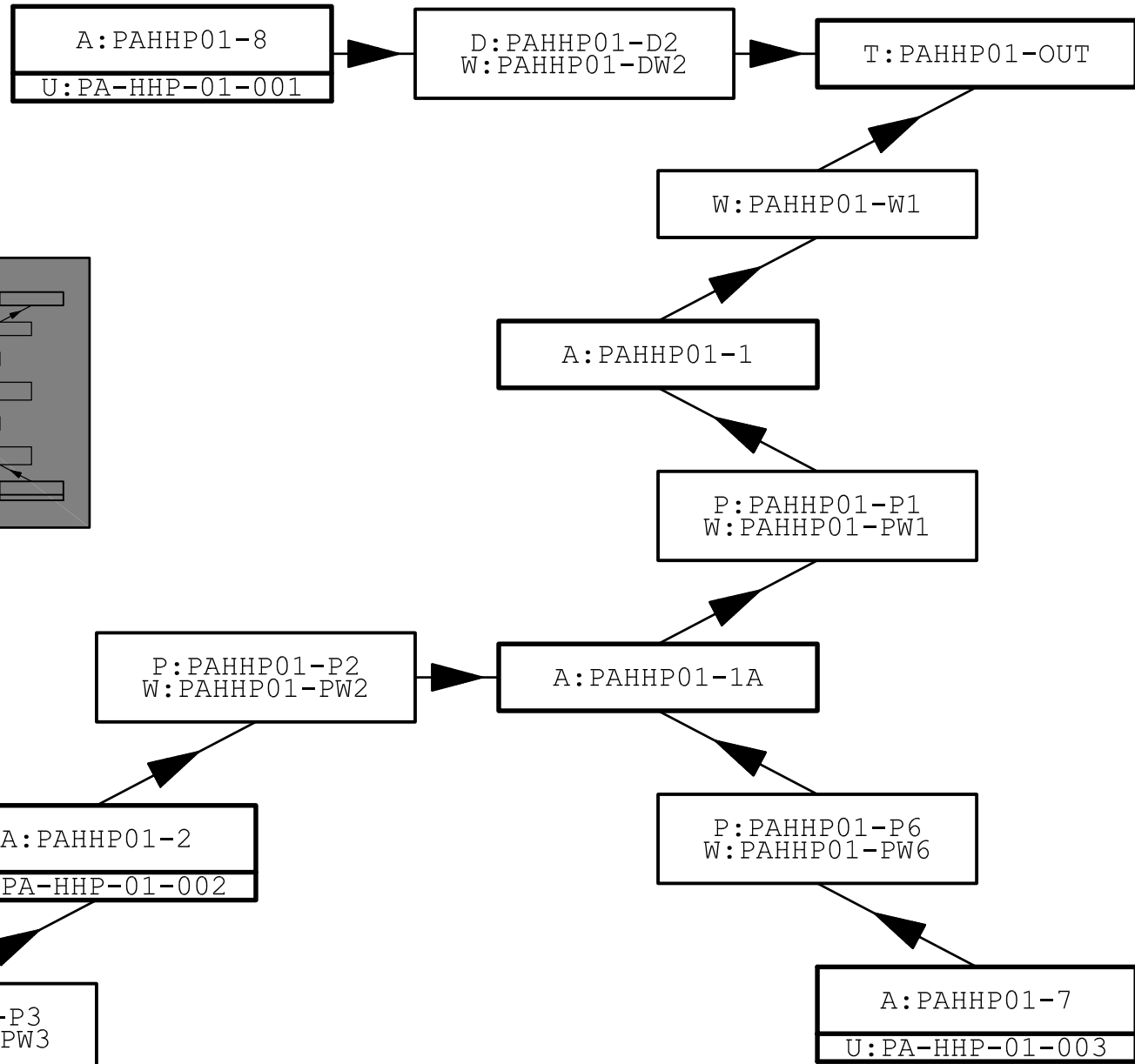


Old House Creek  
Spanish Wells  
Major Basin 1

1



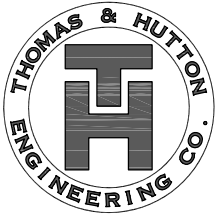
# Park Creek Hilton Head Plantation Major Basin 1



**MATCH LINE - SEE SHEET NO.2**

2

MATCH LINE - SEE SHEET NO.1



Park Creek  
Hilton Head Plantation  
Major Basin 1

A: PAHHP01-3  
U: PA-HHP-01-004

D: PAHHP01-D1  
W: PAHHP01-DW1

A: PAHHP01-4

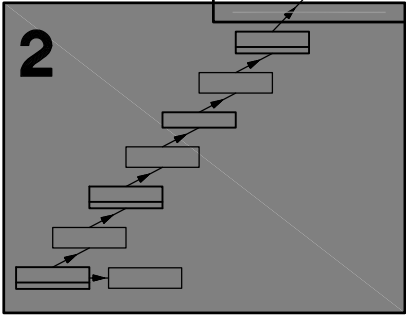
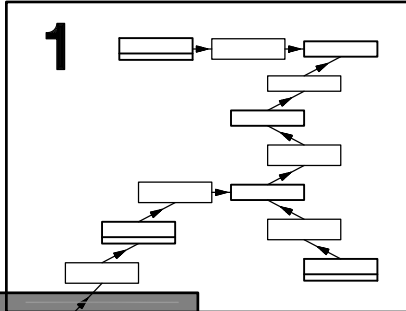
P: PAHHP01-P4  
W: PAHHP01-PW4

A: PAHHP01-5  
U: PA-HHP-01-005

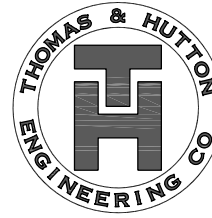
P: PAHHP01-P5  
W: PAHHP01-PW5

A: PAHHP01-6  
U: PA-HHP-01-006

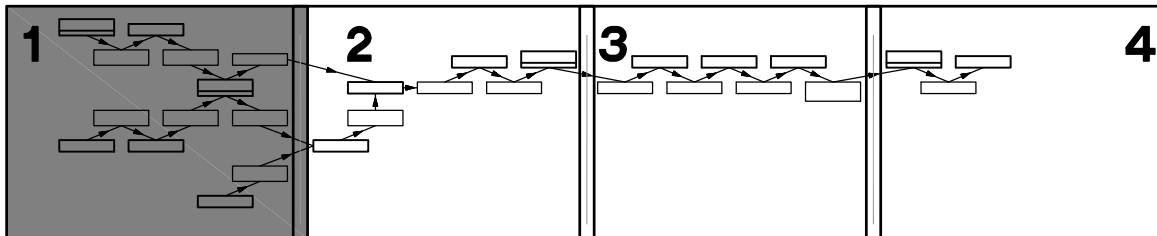
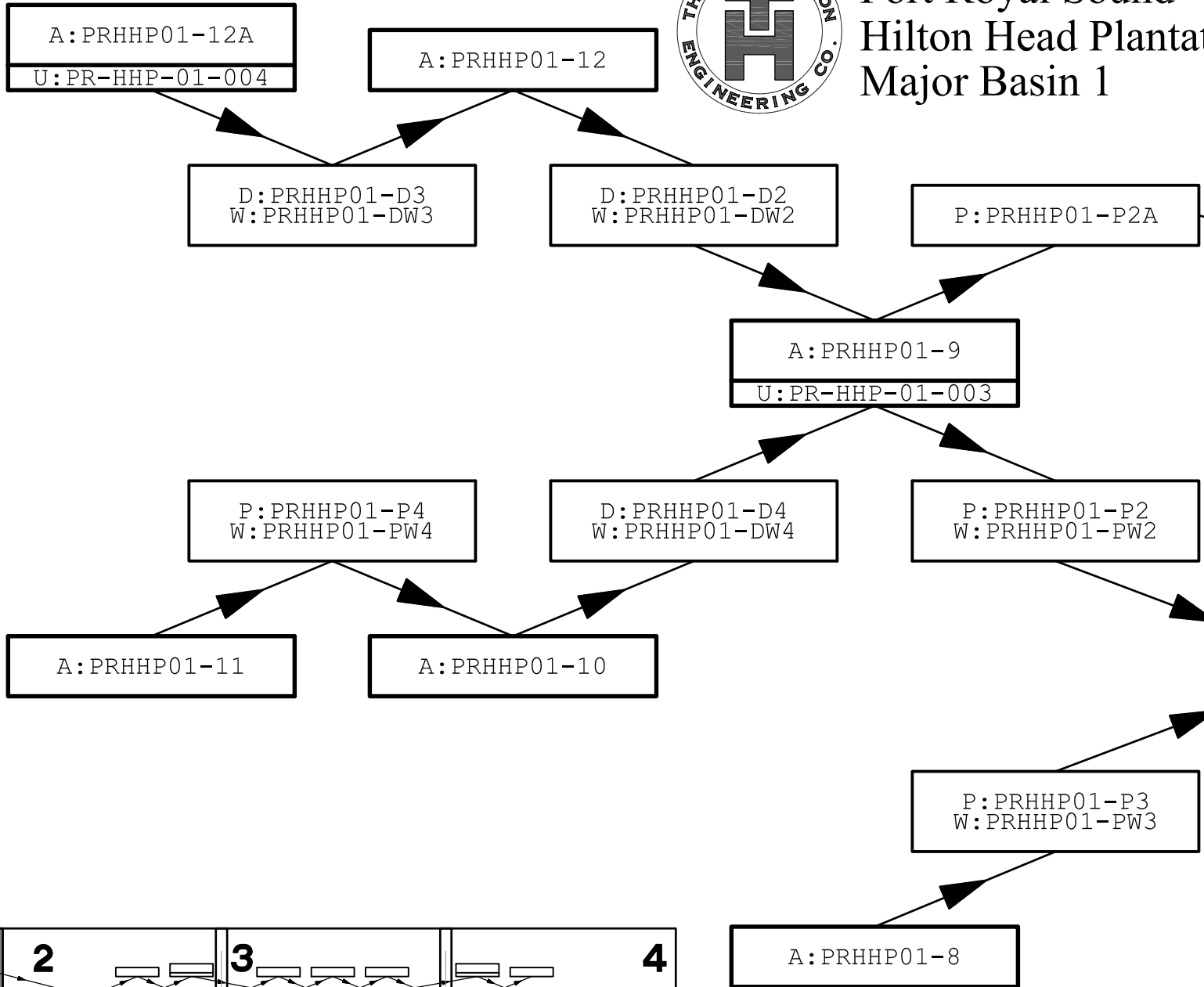
D: JVHHP01-D100  
W: JVHHP01-DW100



1

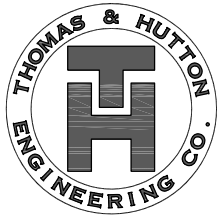


# Port Royal Sound Hilton Head Plantation Major Basin 1



MATCH LINE - SEE SHEET NO.2

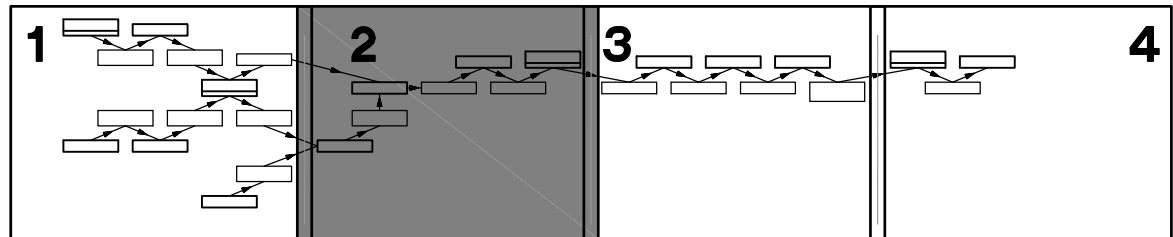
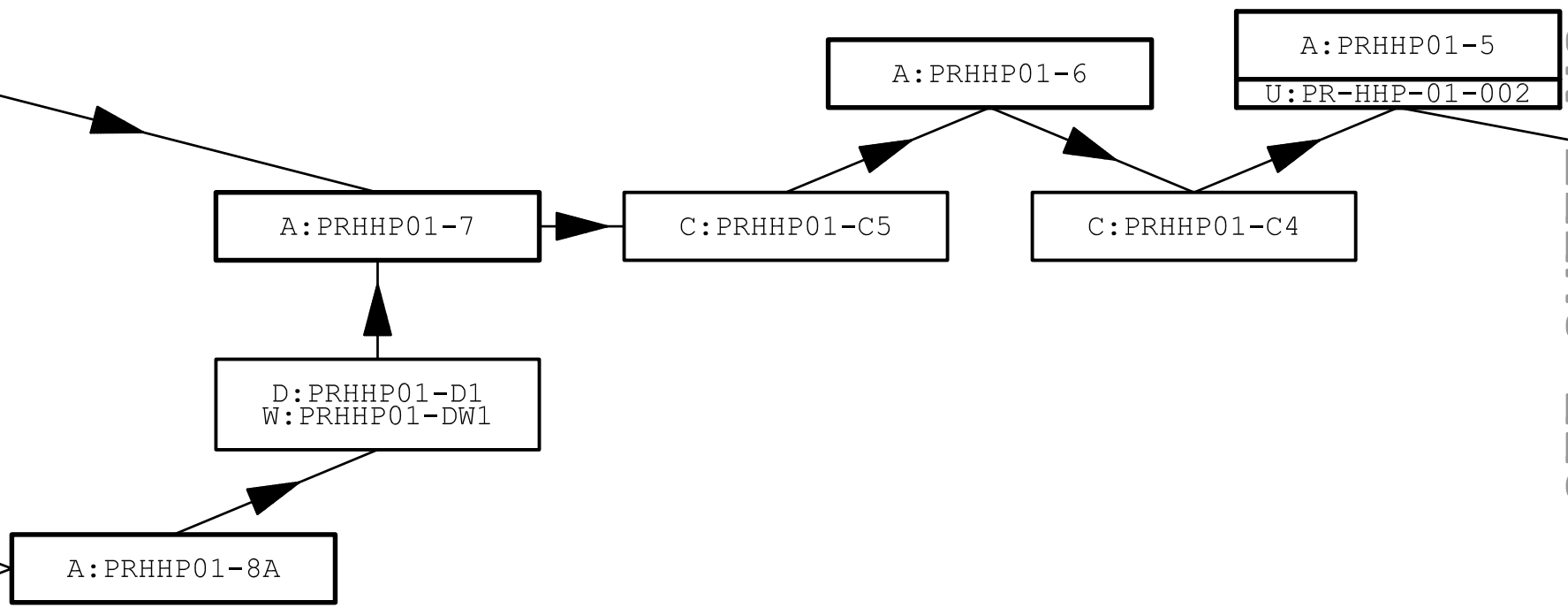
2

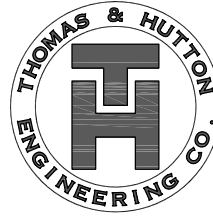


Port Royal Sound  
Hilton Head Plantation  
Major Basin 1

MATCH LINE - SEE SHEET NO.1

MATCH LINE - SEE SHEET NO.3

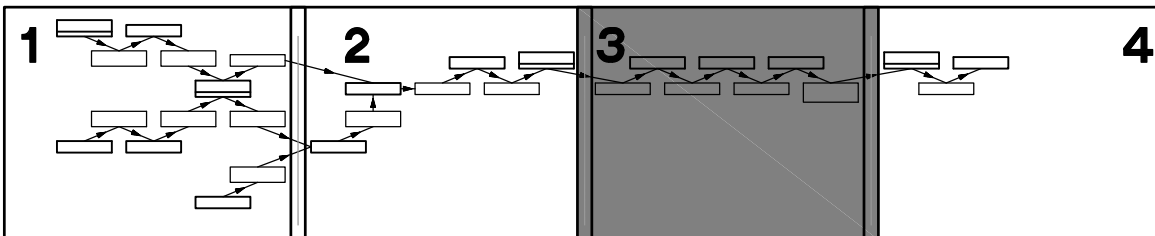
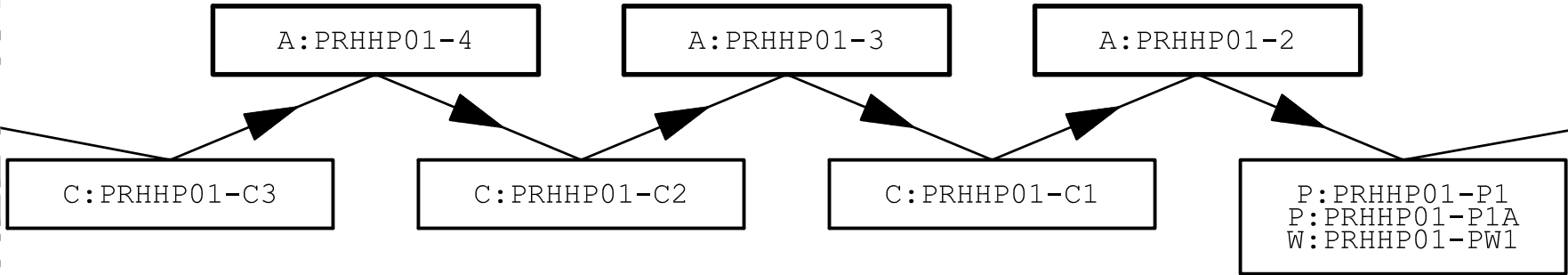




Port Royal Sound  
Hilton Head Plantation  
Major Basin 1

MATCH LINE - SEE SHEET NO.2

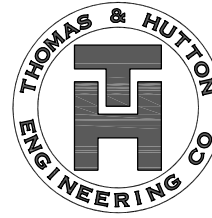
MATCH LINE - SEE SHEET NO.4



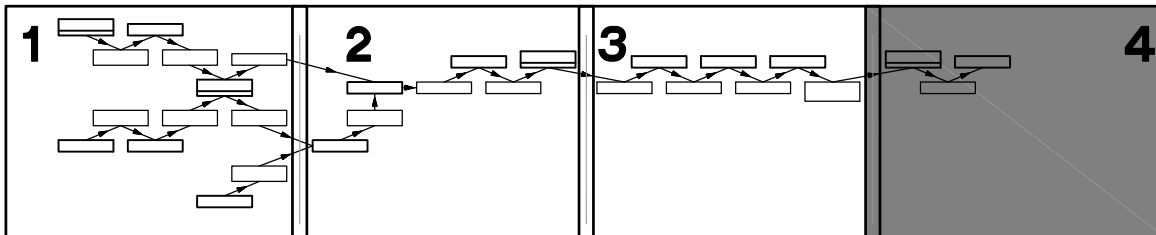
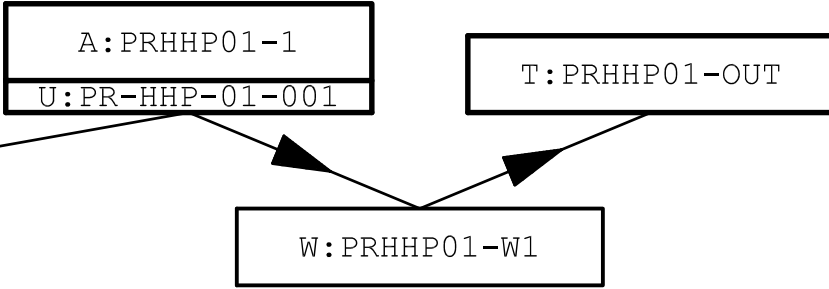
4

NO.3

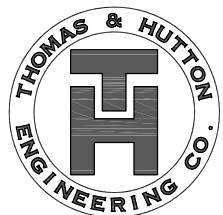
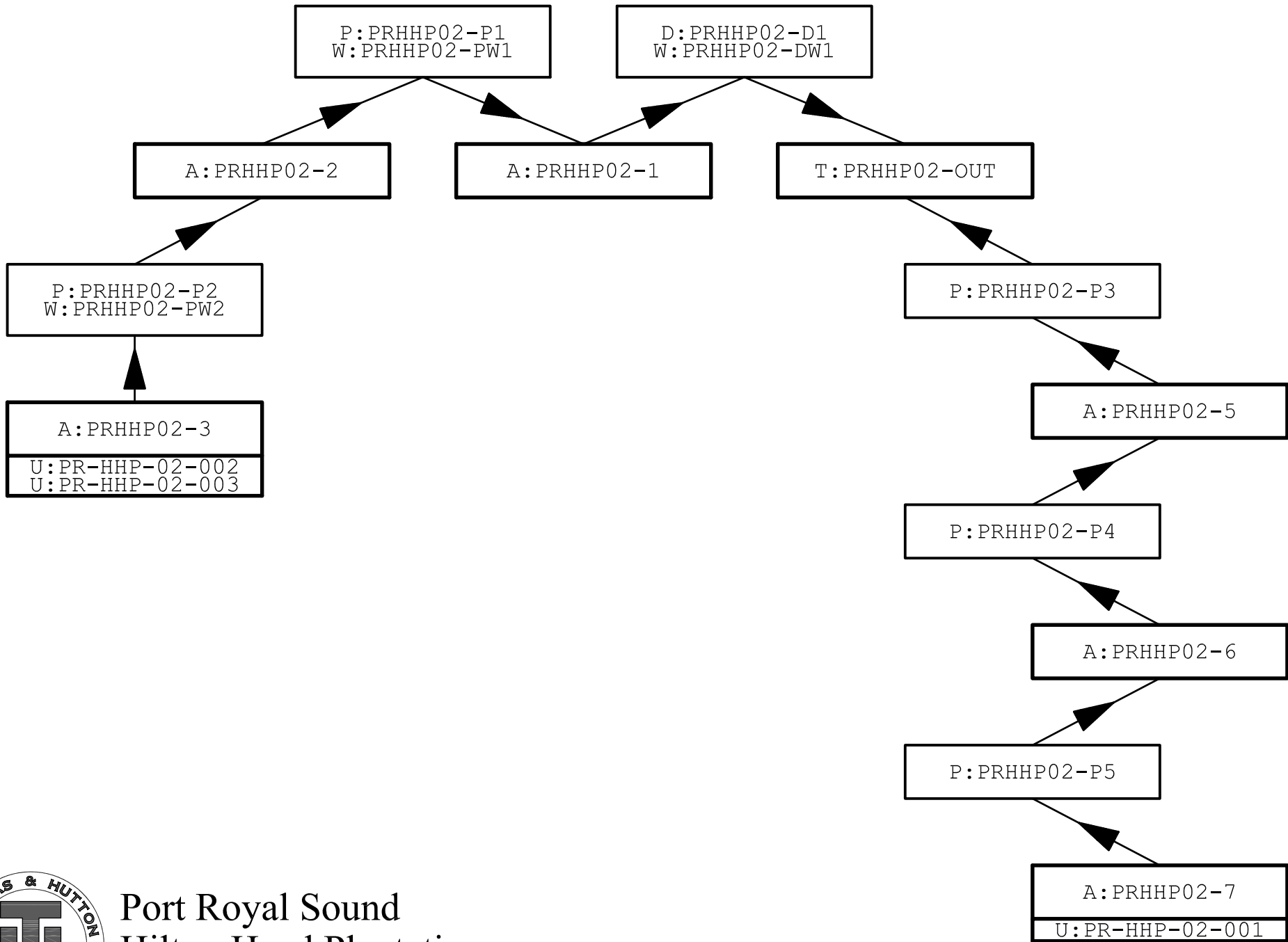
MATCH LINE - SEE SHEET



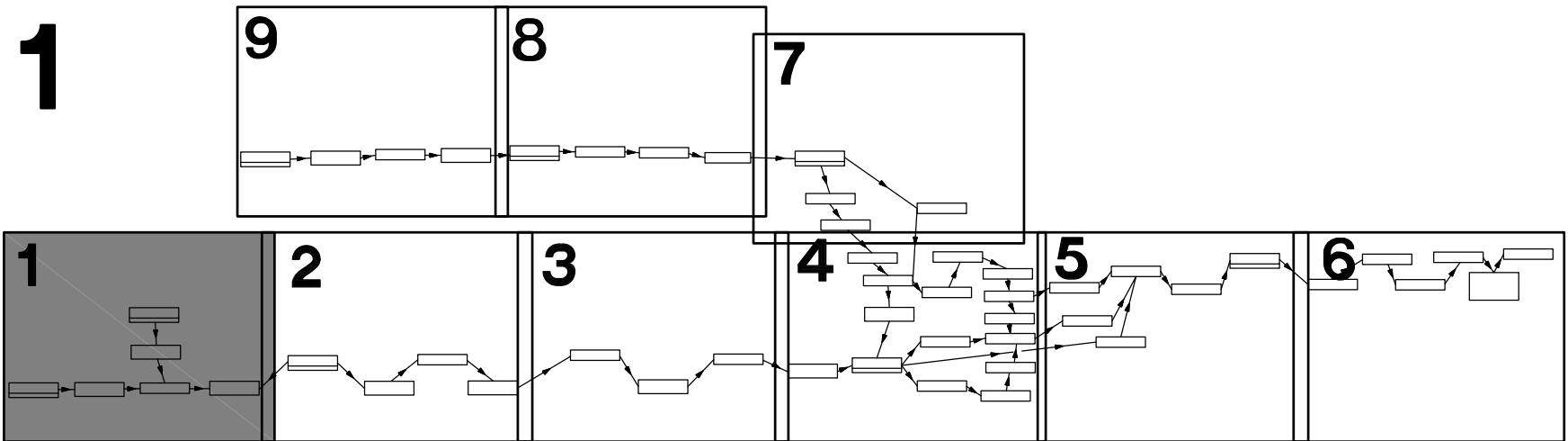
Port Royal Sound  
Hilton Head Plantation  
Major Basin 1







Port Royal Sound  
 Hilton Head Plantation  
 Major Basin 2



MATCH LINE  
SEE SHT NO.2

A: PRPHP01-11  
U: PR-PHP-01-007

D: PRPHP01-D4  
W: PRPHP01-DW4

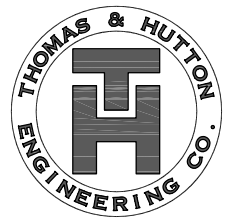
A: PRPHP01-12  
U: PR-PHP-01-008

P: PRPHP01-P6  
W: PRPHP01-PW6

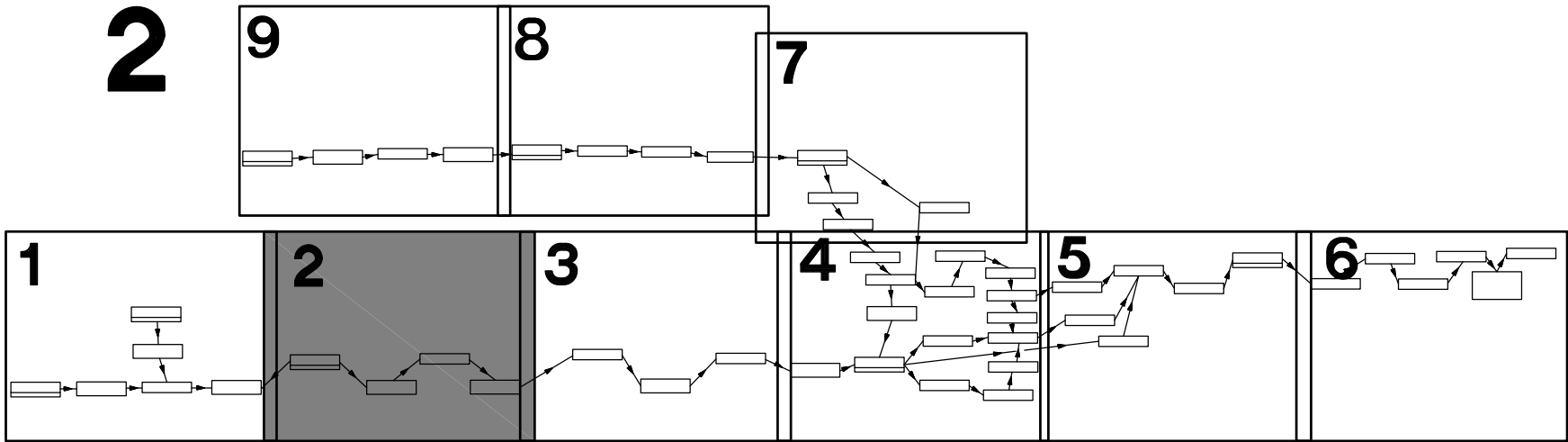
A: PRPHP01-10

D: PRPHP01-D3  
W: PRPHP01-DW3

PORT ROYAL SOUND  
PALMETTO HALL  
MAJOR BASIN 1



MATCH LINE SEE SHT NO.1



MATCH LINE SEE SHT NO.3

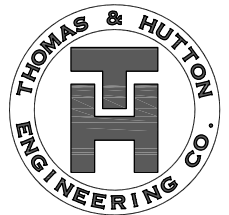
A: PRPHP01-9  
U: PR-PHP-01-006

A: PRPHP01-8

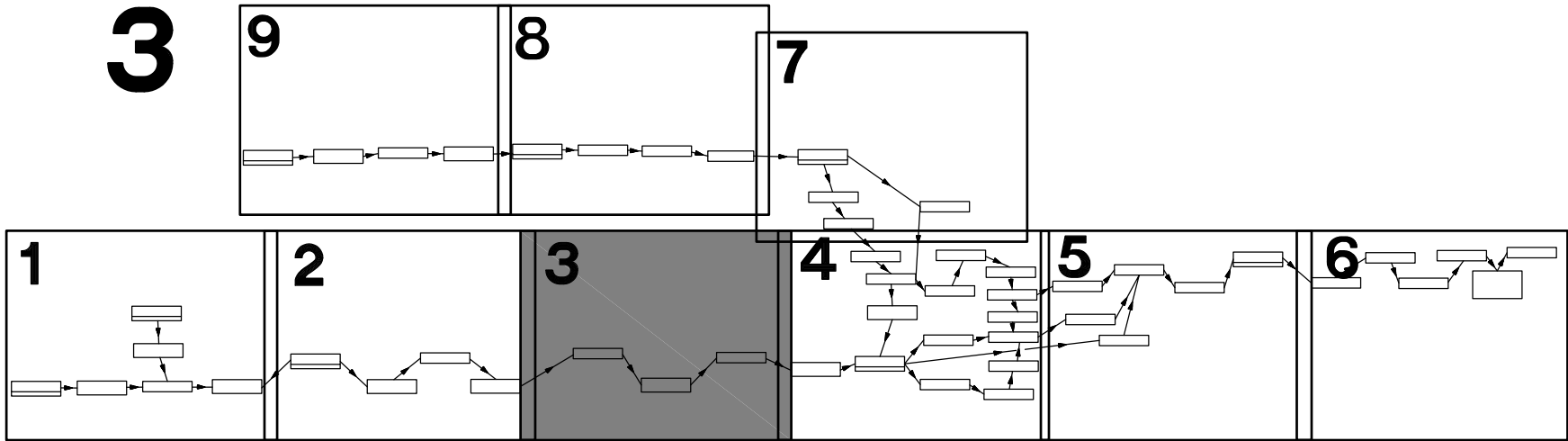
P: PRPHP01-P5  
W: PRPHP01-PW5

P: PRPHP01-P4  
W: PRPHP01-PW4

PORT ROYAL SOUND  
PALMETTO HALL  
MAJOR BASIN 1



MATCH LINE SEE SHT NO.2



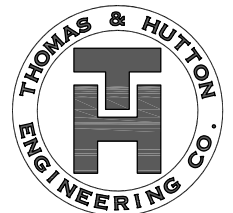
MATCH LINE SEE SHT NO.4

A: PRPHP01-7

A: PRPHP01-6

P: PRPHP01-P3  
W: PRPHP01-PW3

PORT ROYAL SOUND  
PALMETTO HALL  
MAJOR BASIN 1



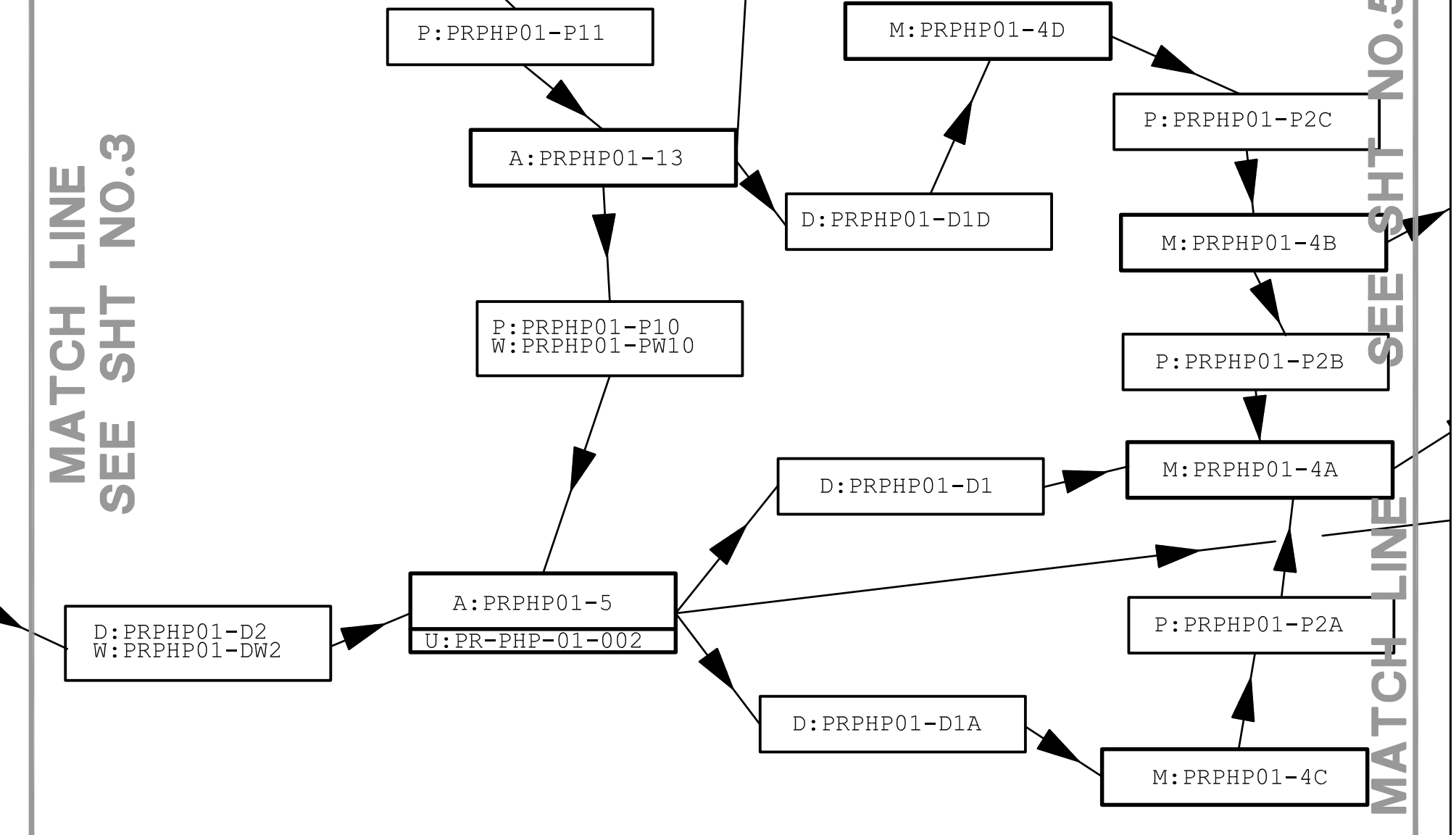
4

MATCH LINE

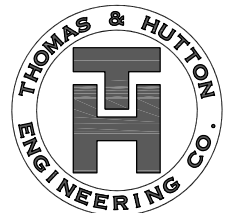
SEE SHT NO.7

MATCH LINE  
SEE SHT NO.3

SEE SHT NO.5  
MATCH LINE

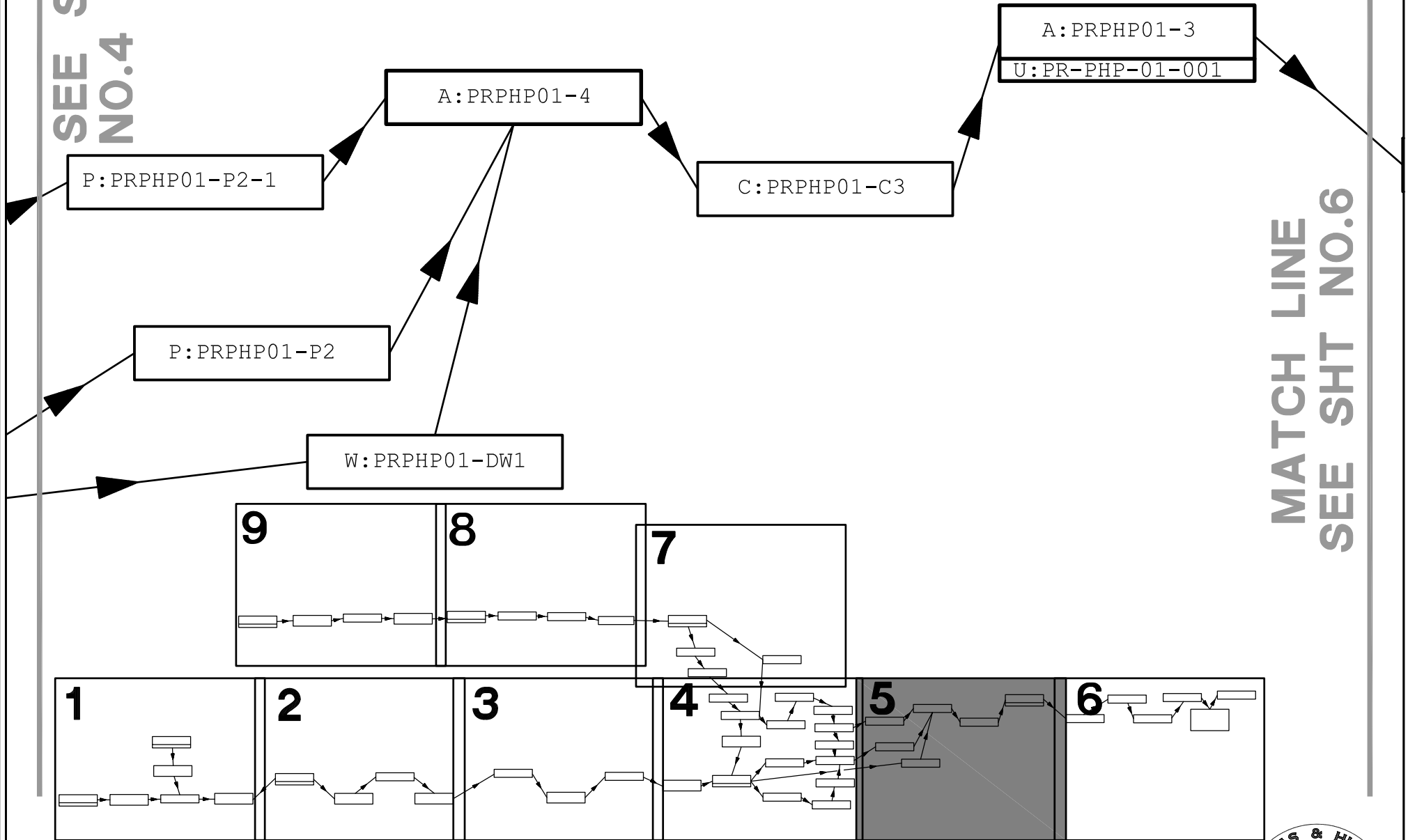


PORT ROYAL SOUND  
PALMETTO HALL  
MAJOR BASIN 1

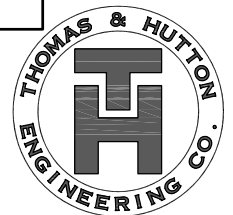


SEE SHT  
NO.4

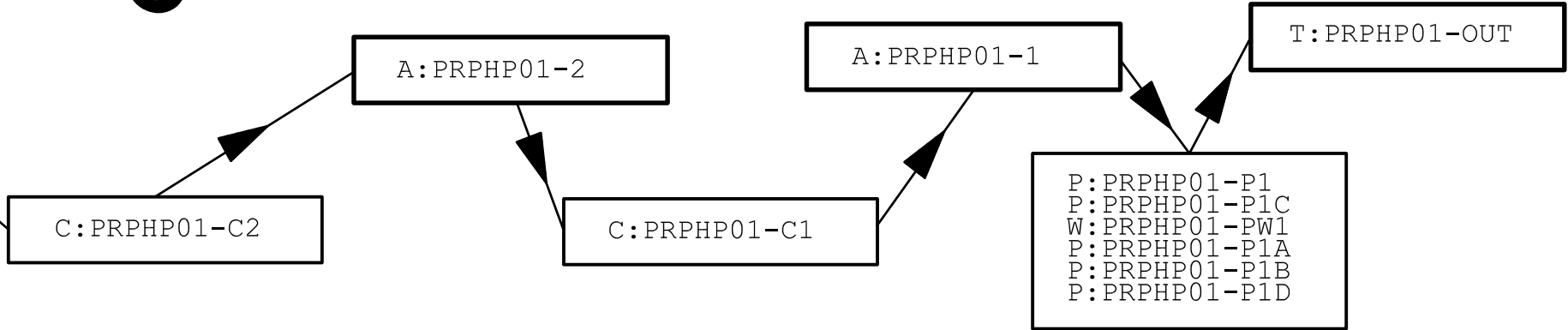
**5**



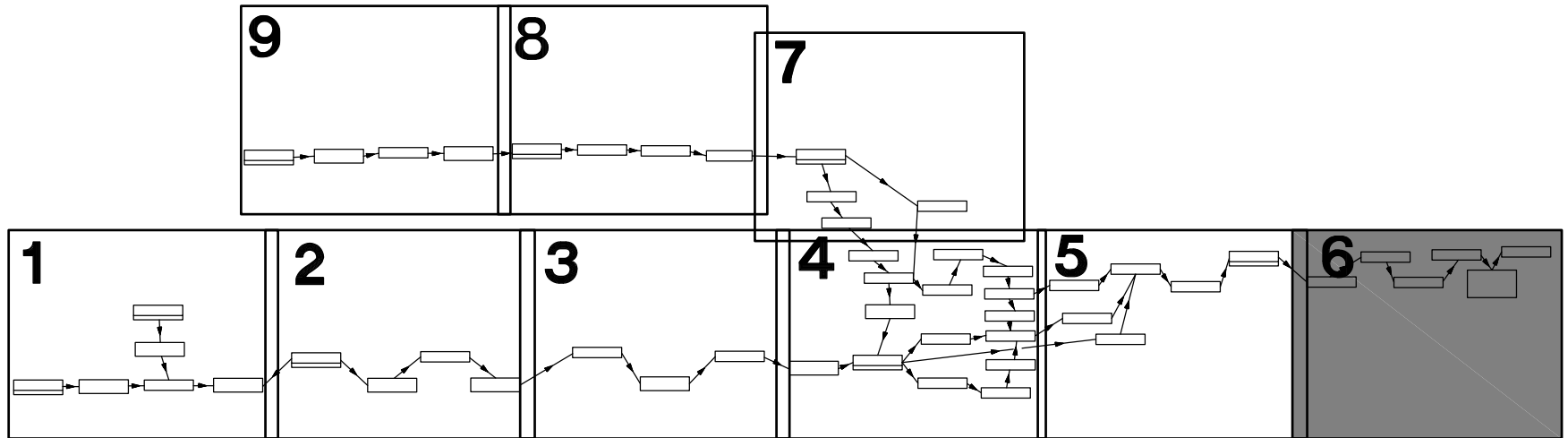
PORT ROYAL SOUND  
PALMETTO HALL  
MAJOR BASIN 1



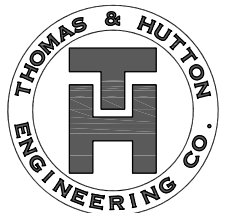
# 6



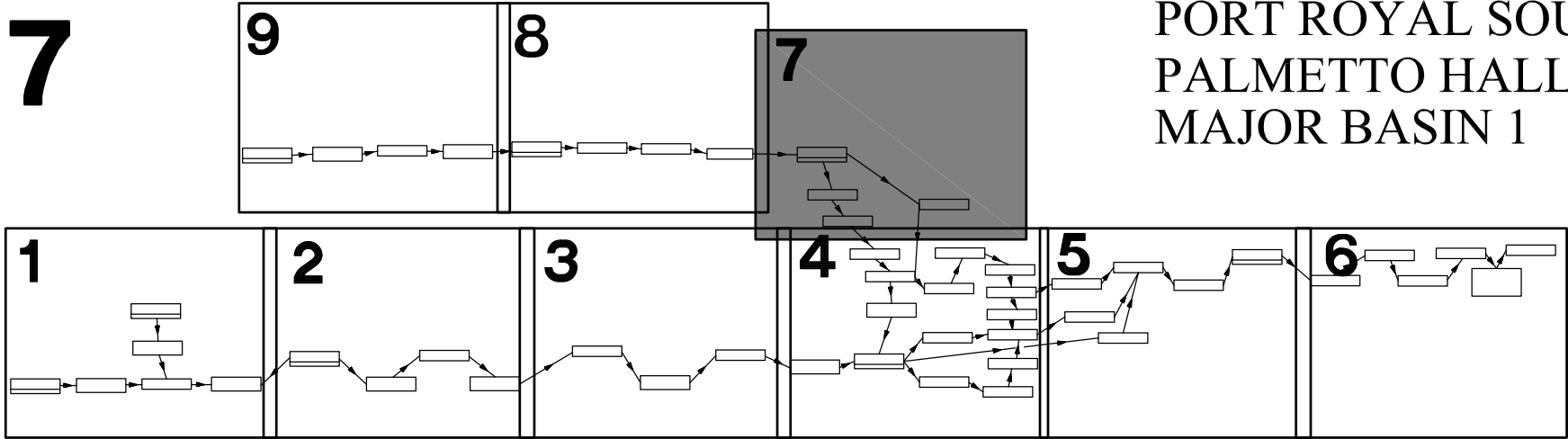
MATCH LINE  
SEE SHT NO.5



PORT ROYAL SOUND  
PALMETTO HALL  
MAJOR BASIN 1



PORT ROYAL SOUND  
PALMETTO HALL  
MAJOR BASIN 1



MATCH LINE  
SEE SHT NO.8

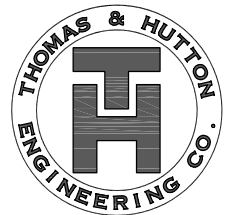
A: PRPHP01-15  
U: PR-PHP-01-003

P: PRPHP01-P12

A: PRPHP01-14

W: PRPHP01-PW11

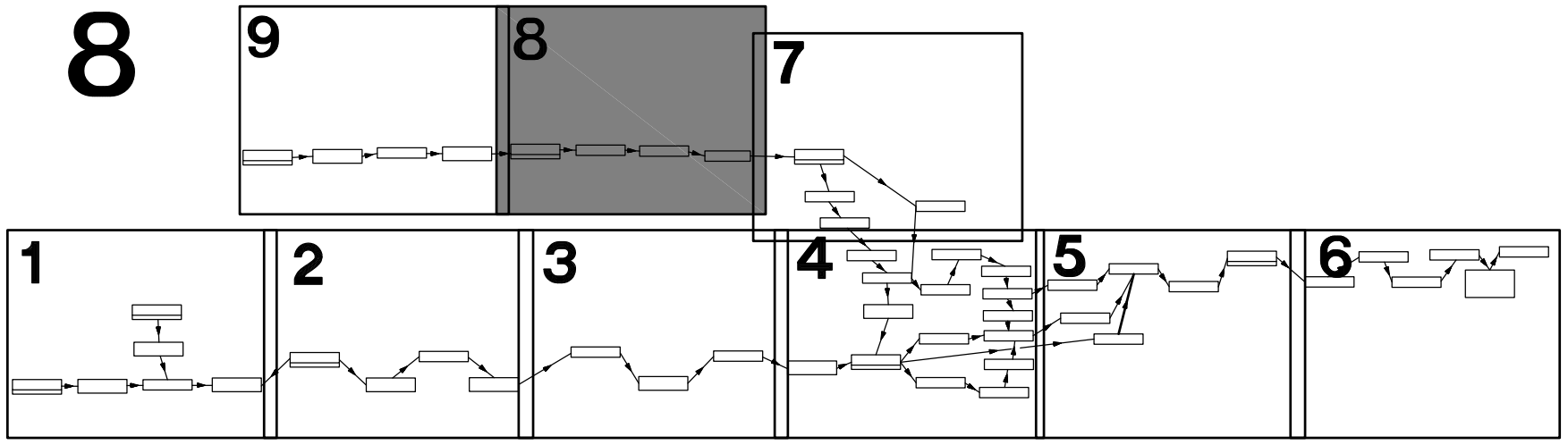
MATCH LINE  
SEE SHT NO.4





MATCH LINE SEE SHT NO.9

MATCH LINE SEE SHT NO.7



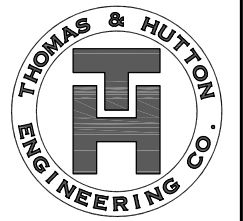
A:PRPHP01-16  
 U:PR-PHP-01-004

D:PRPHP01-D10

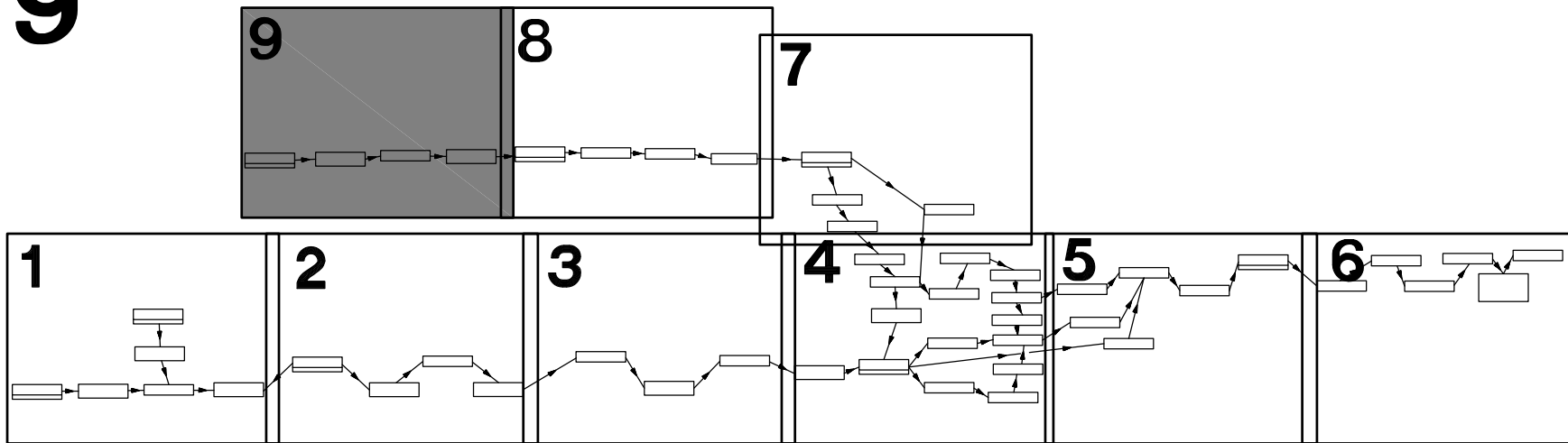
A:PRPHP01-15A

P:PRPHP01-P13

PORT ROYAL SOUND  
 PALMETTO HALL  
 MAJOR BASIN1



9



A: PRPHP01-18  
 U: PR-PHP-01-005

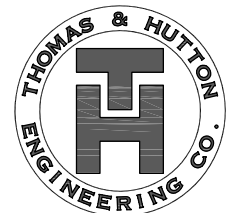
P: PRPHP01-P15  
 W: PRPHP01-PW15

A: PRPHP01-17

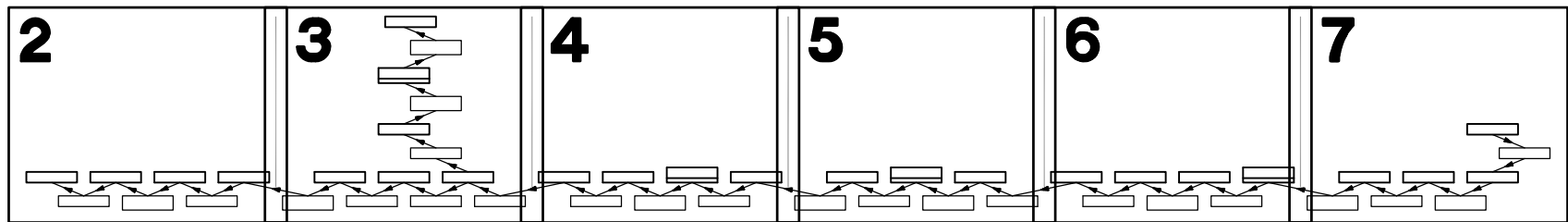
P: PRPHP01-P14  
 W: PRPHP01-PW14

MATCH LINE SEE SHT NO.8

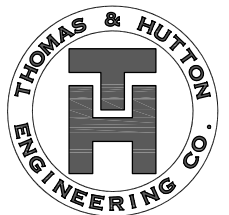
PORT ROYAL SOUND  
 PALMETTO HALL  
 MAJOR BASIN 1



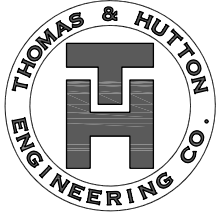
# 1



Skull Creek  
Gum Tree  
Major Basin 1

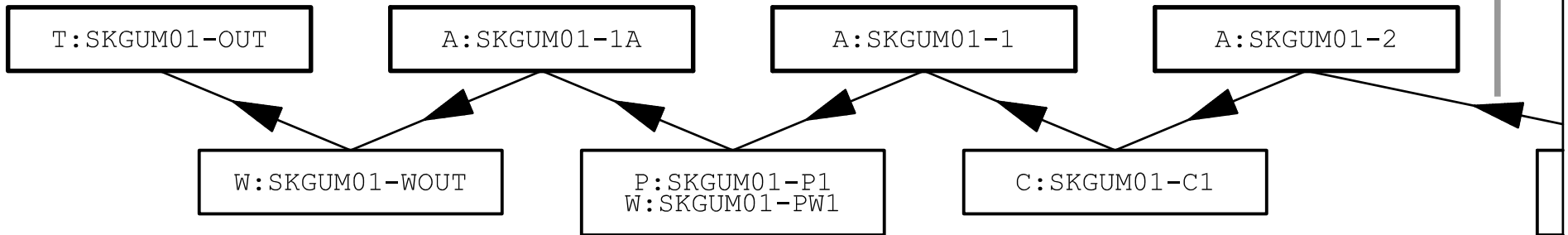


2



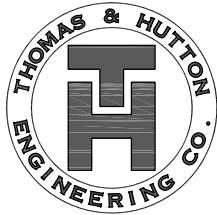
Skull Creek  
Gum Tree  
Major Basin 1

MATCH LINE  
SEE SHEET NO.3



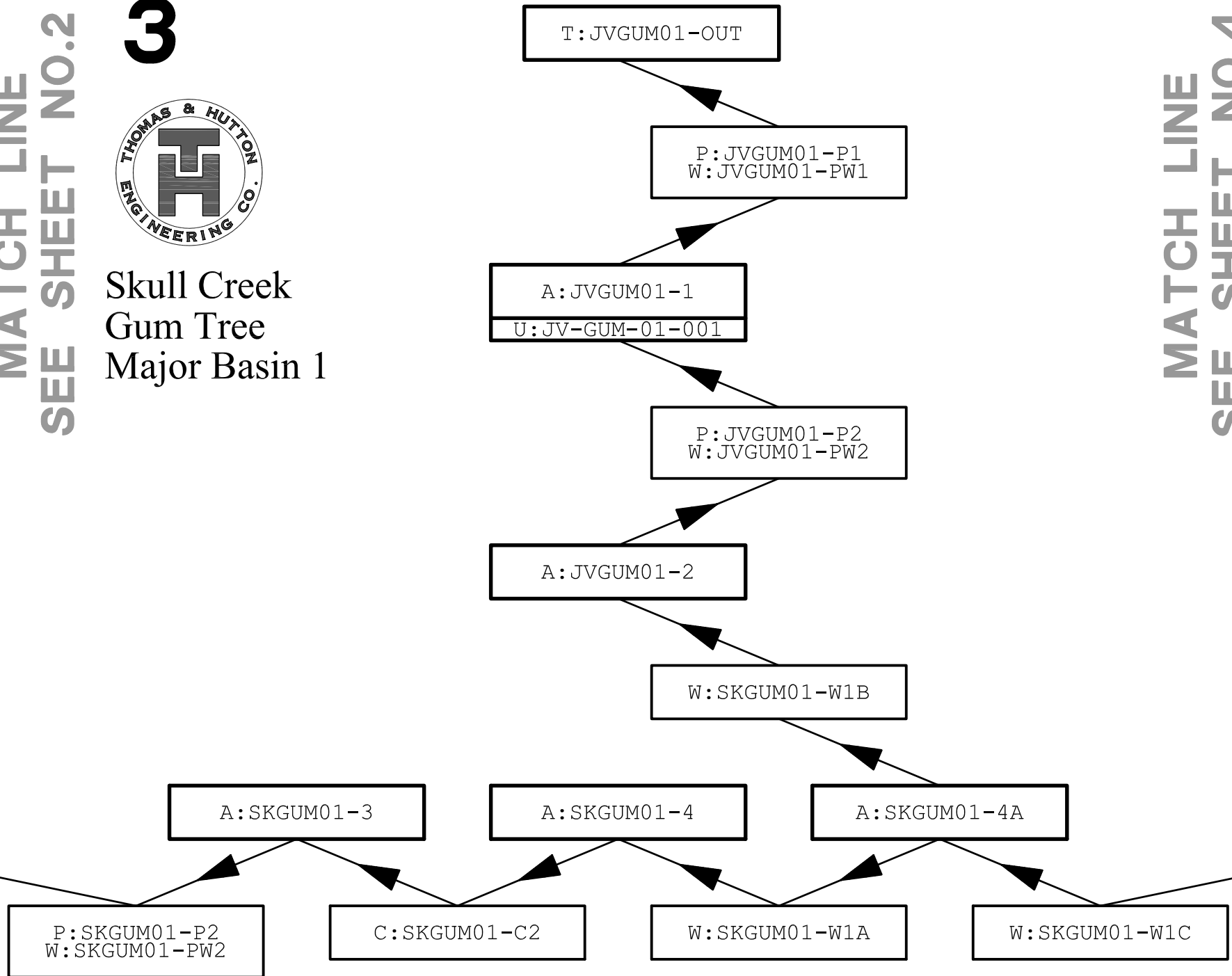
MATCH LINE  
SEE SHEET NO.2

3



Skull Creek  
Gum Tree  
Major Basin 1

MATCH LINE  
SEE SHEET NO.4



MATCH LINE  
SEE SHEET NO.3

4



Skull Creek  
Gum Tree  
Major Basin 1

MATCH LINE  
SEE SHEET NO.5

A:SKGUM01-5

A:SKGUM01-6

A:SKGUM01-7  
U:SK-GUM-01-003

A:SKGUM01-9

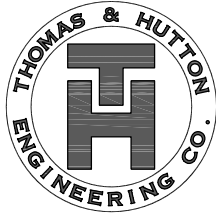
C:SKGUM01-C4

P:SKGUM01-P3  
W:SKGUM01-PW3

C:SKGUM01-C5

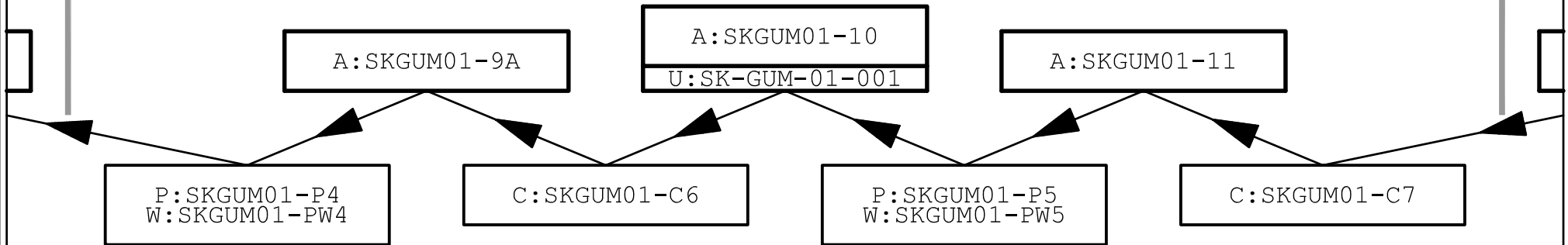
MATCH LINE  
SEE SHEET NO.4

5



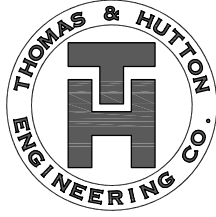
Skull Creek  
Gum Tree  
Major Basin 1

MATCH LINE  
SEE SHEET NO.6



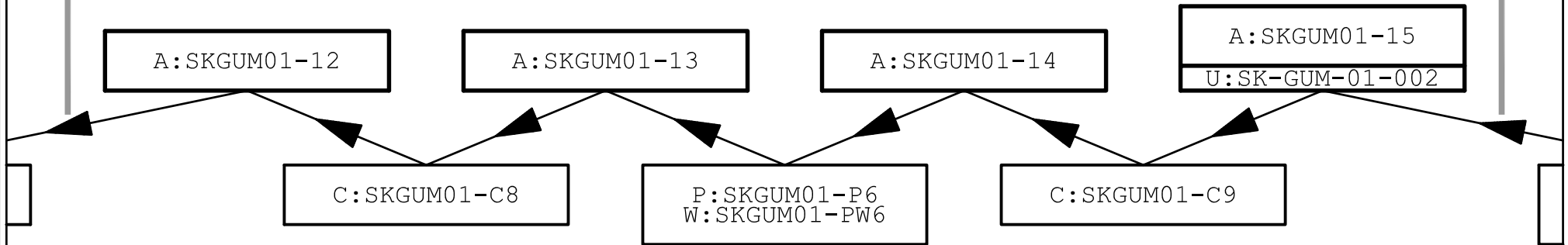
MATCH LINE  
SEE SHEET NO.5

6



Skull Creek  
Gum Tree  
Major Basin 1

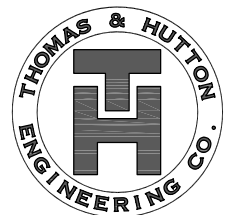
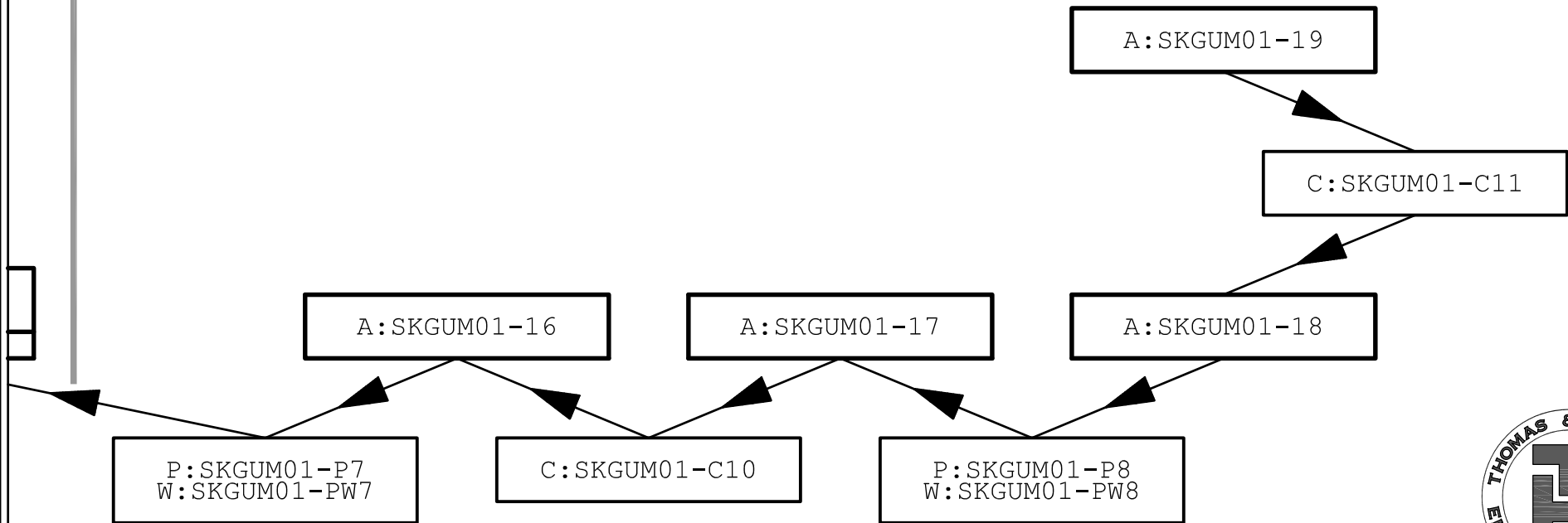
MATCH LINE  
SEE SHEET NO.7



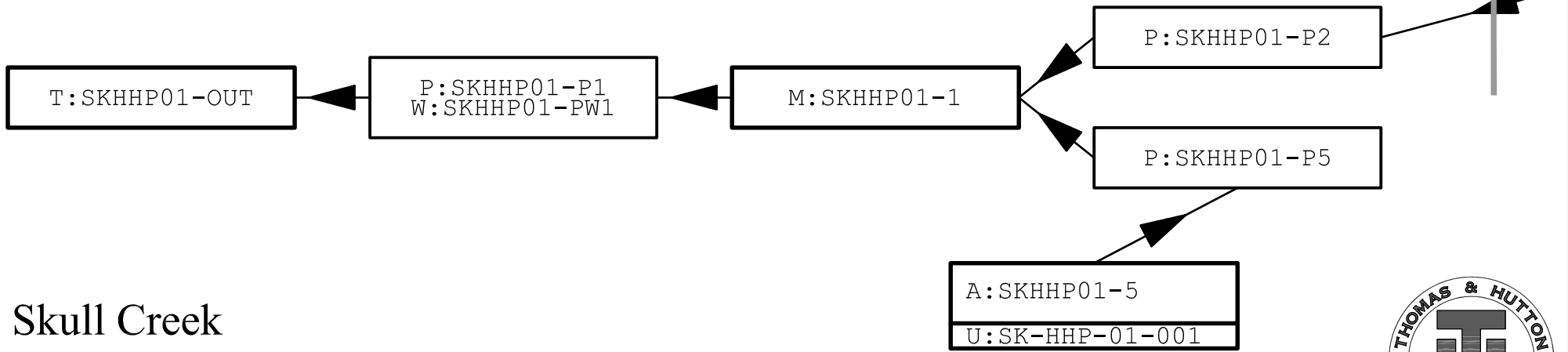
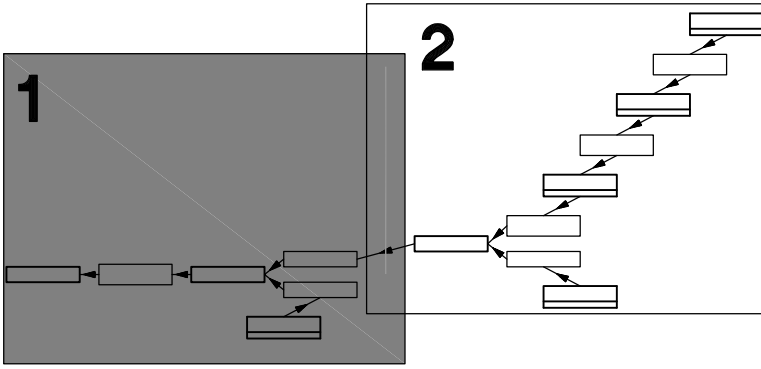


MATCH LINE  
SEE SHEET NO.6

# 7 Skull Creek Gum Tree Major Basin 1

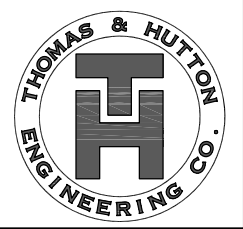


1



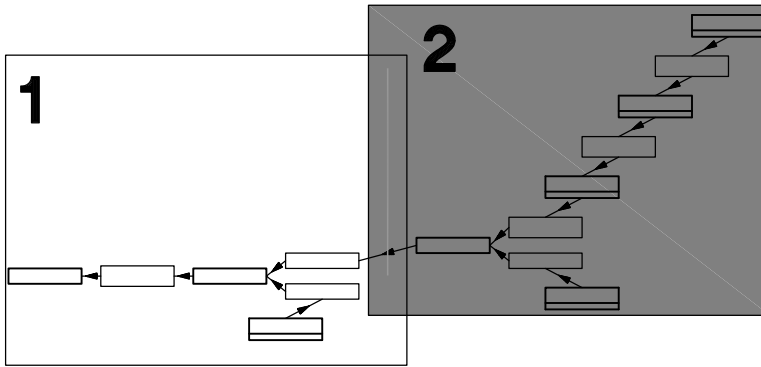
MATCH LINE  
SEE SHEET NO.2

Skull Creek  
Hilton Head Plantation  
Major Basin 1



2

MATCH LINE  
SEE SHEET NO.1



A:SKHHP01-1A

P:SKHHP01-P2A  
W:SKHHP01-PW2A

P:SKHHP01-P100

A:SKHHP01-2  
U:SK-HHP-01-002

D:SKHHP01-D1  
W:SKHHP01-DW1

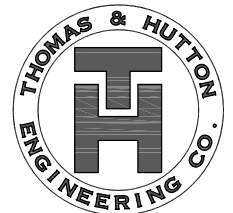
A:SKHHP01-3  
U:SK-HHP-01-003

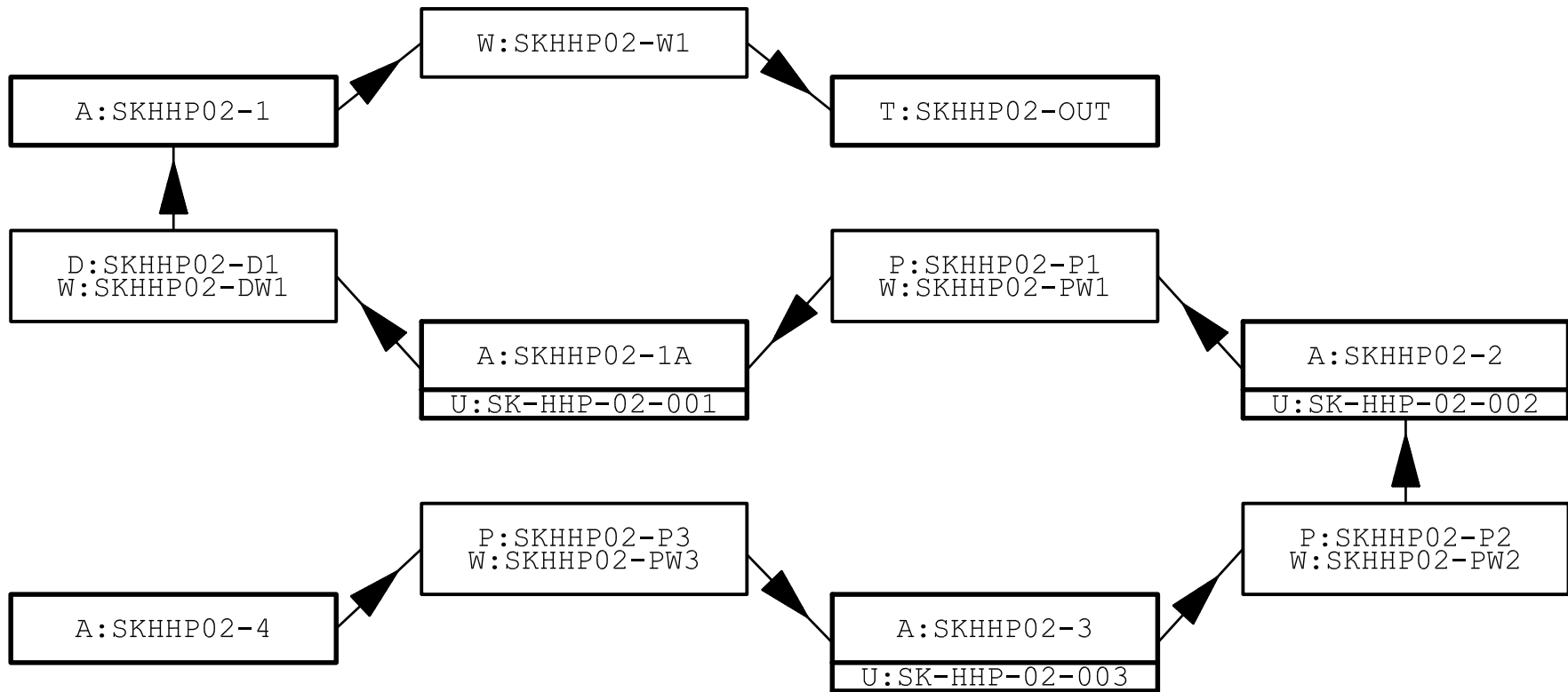
P:SKHHP01-P4  
W:SKHHP01-PW4

A:SKHHP01-4  
U:SK-HHP-01-004

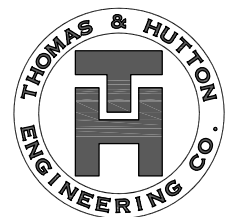
A:PAHHP01-6  
U:PA-HHP-01-006

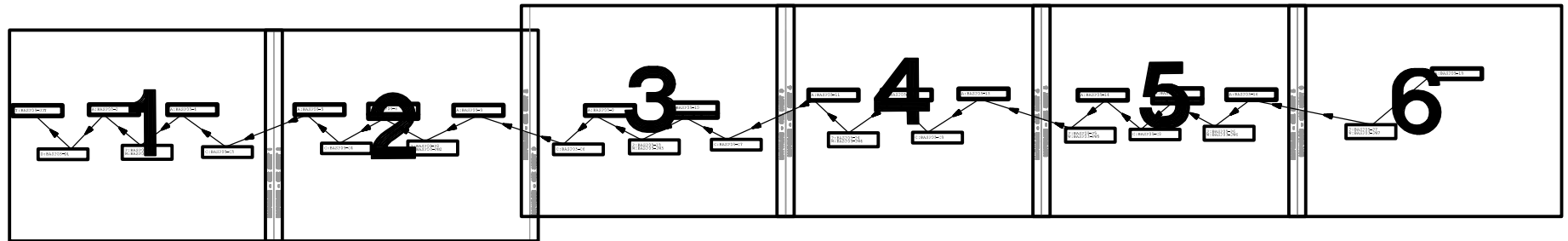
Skull Creek  
Hilton Head Plantation  
Major Basin 1





Skull Creek  
 Hilton Head Plantation  
 Major Basin 2



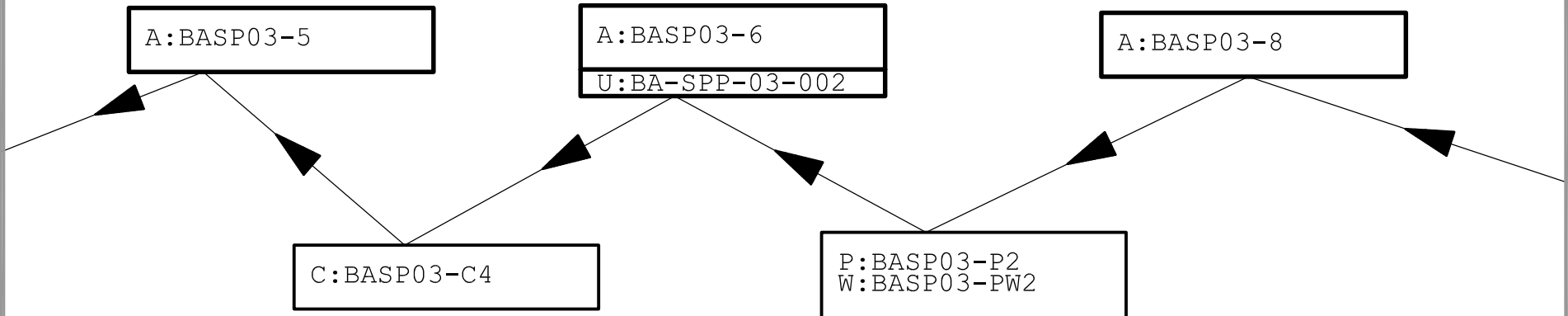


BAYNARD COVE  
BROAD CREEK OUTFALL  
MAJOR BASIN 3





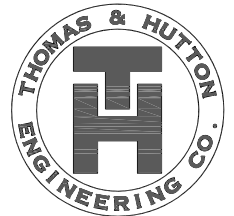
2



MATCHLINE - SEE SHEET 1

MATCHLINE - SEE SHEET 3

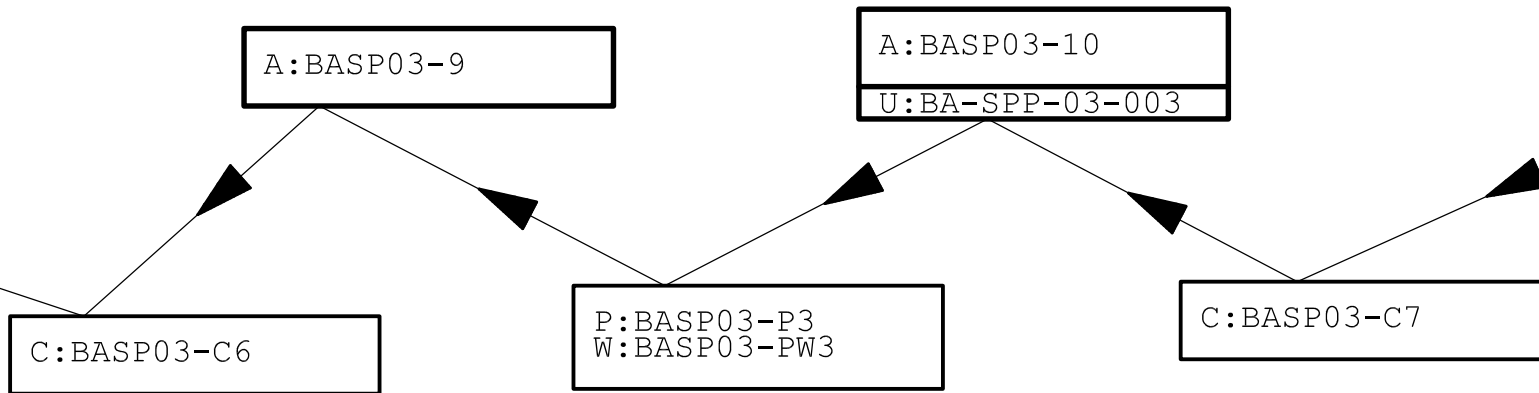
BAYNARD COVE  
BROAD CREEK OUTFALL  
MAJOR BASIN 3



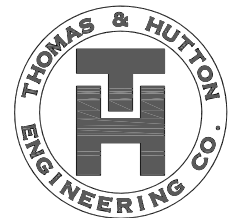
3

MATCHLINE - SEE SHEET 2

MATCHLINE - SEE SHEET 4



BAYNARD COVE  
BROAD CREEK OUTFALL  
MAJOR BASIN 3





4

MATCHLINE - SEE SHEET 3

A: BASP03-11

A: BASP03-12

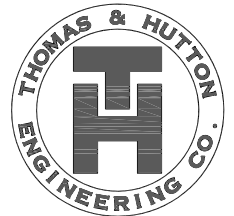
A: BASP03-13

P: BASP03-P4  
W: BASP03-PW4

C: BASP03-C8

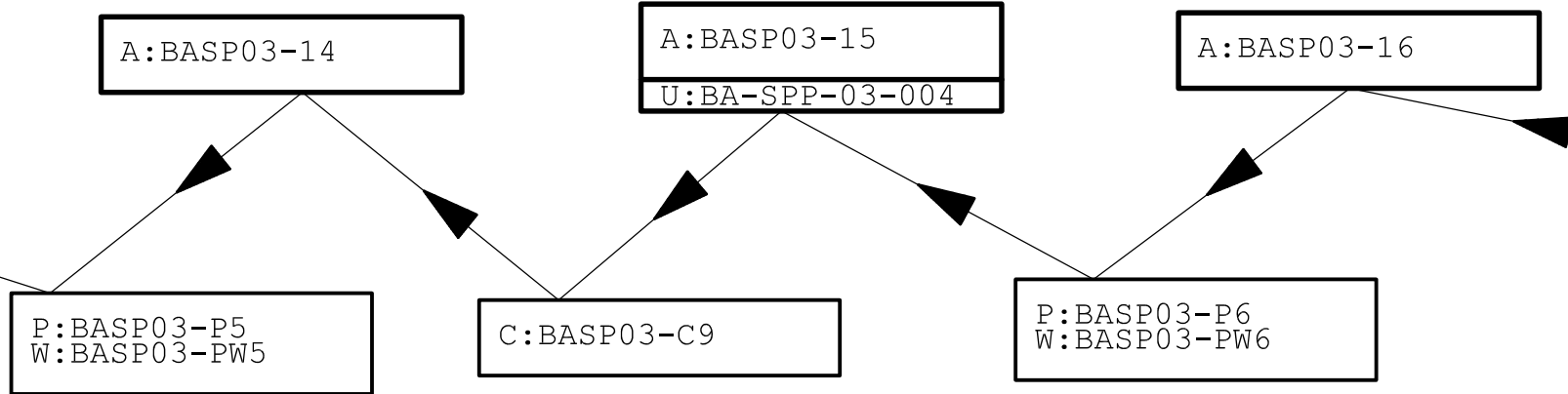
MATCHLINE - SEE SHEET 5

BAYNARD COVE  
BROAD CREEK OUTFALL  
MAJOR BASIN 3



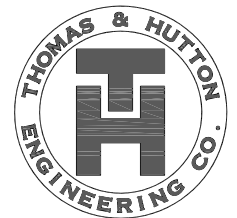
# 5

MATCHLINE - SEE SHEET 4



MATCHLINE - SEE SHEET 6

BAYNARD COVE  
BROAD CREEK OUTFALL  
MAJOR BASIN 3



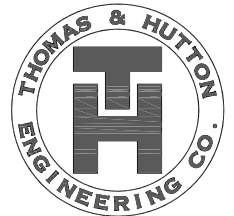
6

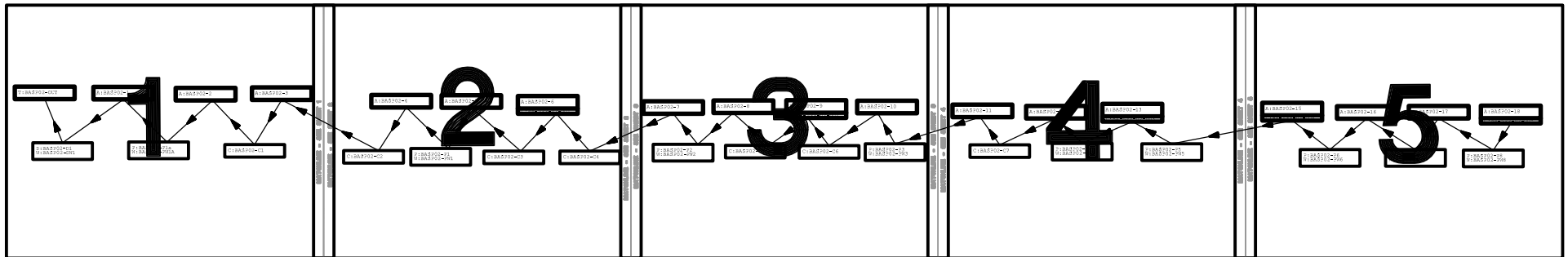
MATCHLINE - SEE SHEET 5

A: BASP03-18

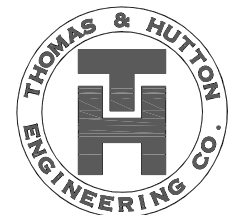
P: BASP03-P7  
W: BASP03-PW7

BAYNARD COVE  
BROAD CREEK OUTFALL  
MAJOR BASIN 3

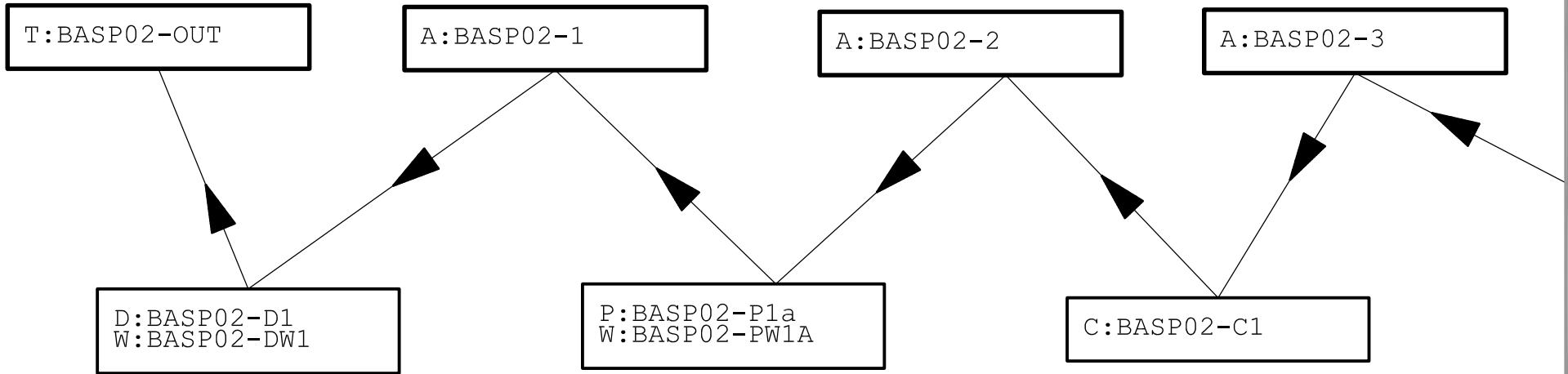




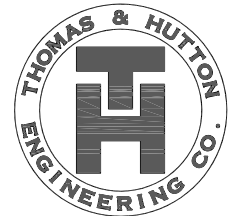
BAYNARD COVE  
 BROAD CREEK OUTFALL  
 MAJOR BASIN 2



1



BAYNARD COVE  
BROAD CREEK OUTFALL  
MAJOR BASIN 2

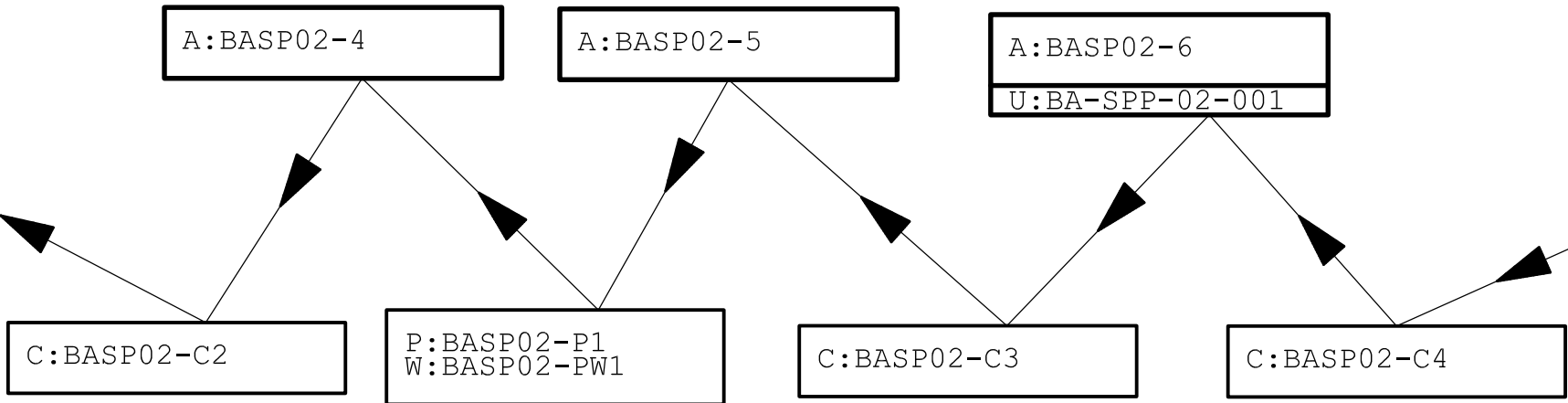


MATCHLINE - SEE SHEET 2

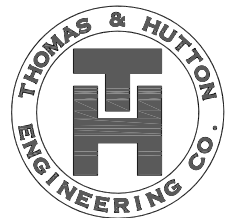
2

MATCHLINE - SEE SHEET 1

MATCHLINE - SEE SHEET 3



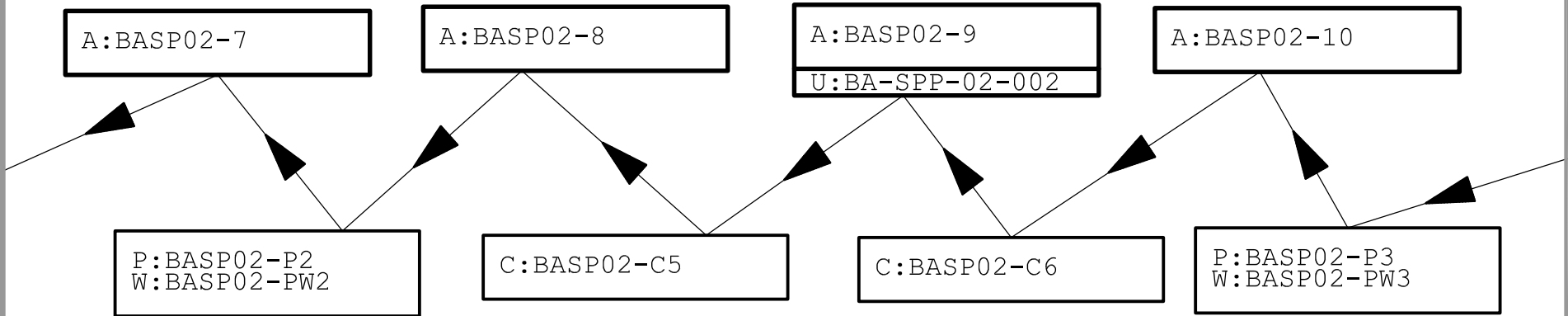
BAYNARD COVE  
BROAD CREEK OUTFALL  
MAJOR BASIN 2



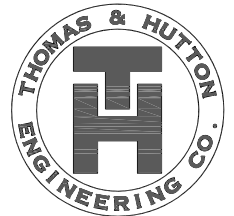
3

MATCHLINE - SEE SHEET 2

MATCHLINE - SEE SHEET 4



BAYNARD COVE  
BROAD CREEK OUTFALL  
MAJOR BASIN 2



4

MATCHLINE - SEE SHEET 3

A: BASP02-11

A: BASP02-12

A: BASP02-13  
U: BA-SPP-02-003

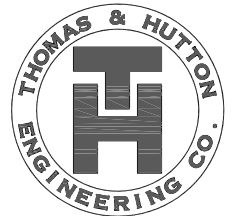
C: BASP02-C7

P: BASP02-P4  
W: BASP02-PW4

P: BASP02-P5  
W: BASP02-PW5

MATCHLINE - SEE SHEET 5

BAYNARD COVE  
BROAD CREEK OUTFALL  
MAJOR BASIN 2





# 5

MATCHLINE - SEE SHEET 4

A: BASP02-15  
U: BA-SPP-02-004

A: BASP02-16

A: BASP02-17

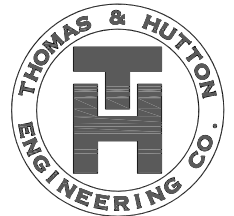
A: BASP02-18  
U: BA-SPP-02-005

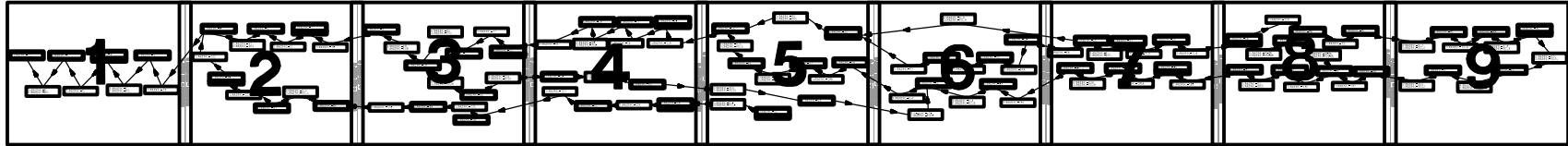
P: BASP02-P6  
W: BASP02-PW6

P: BASP02-P7  
W: BASP02-PW7

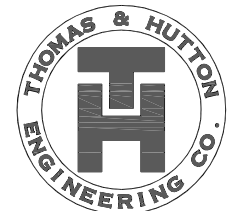
P: BASP02-P8  
W: BASP02-PW8

BAYNARD COVE  
BROAD CREEK OUTFALL  
MAJOR BASIN 2

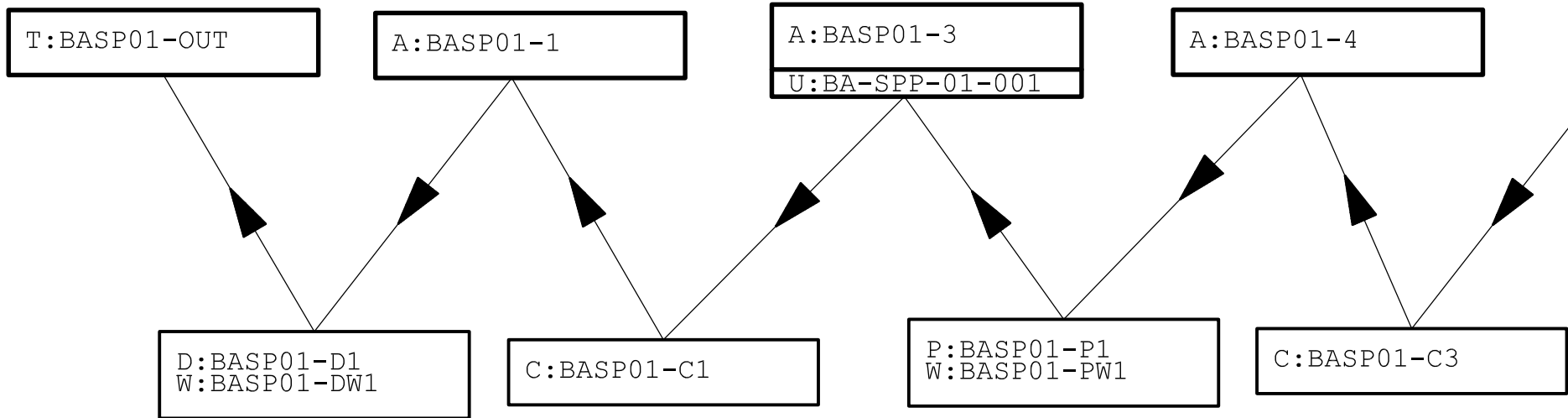




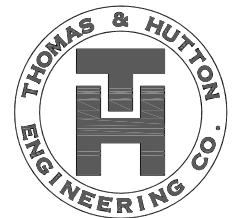
BAYNARD COVE  
BROAD CREEK OUTFALL  
MAJOR BASIN 1



1

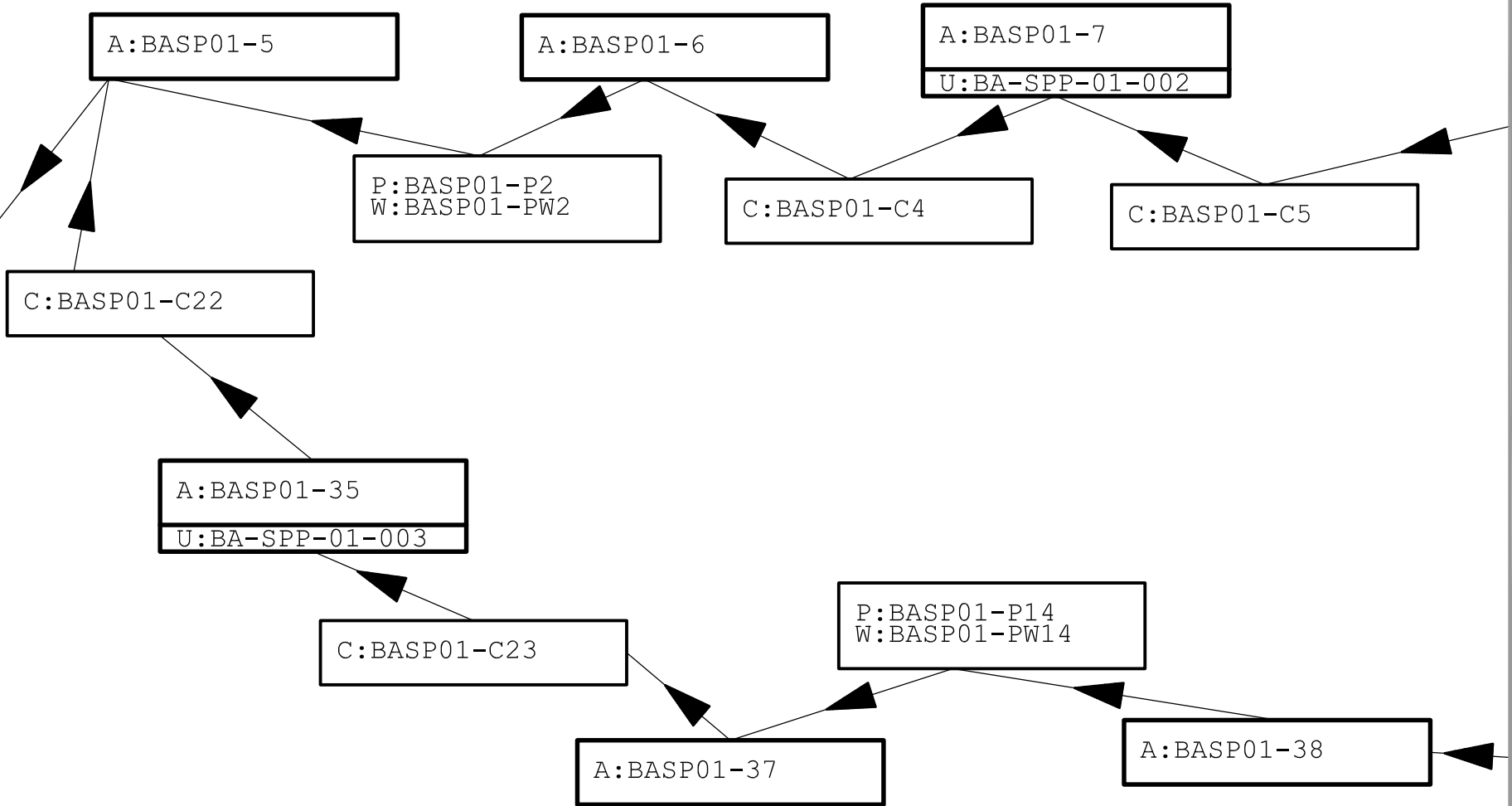


BAYNARD COVE  
BROAD CREEK OUTFALL  
MAJOR BASIN 1



MATCHLINE - SEE SHEET 2

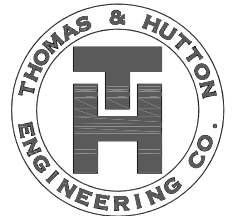
2



MATCHLINE - SEE SHEET 1

MATCHLINE - SEE SHEET 3

BAYNARD COVE  
BROAD CREEK OUTFALL  
MAJOR BASIN 1



3

MATCHLINE - SEE SHEET 2

MATCHLINE - SEE SHEET 4

A: BASP01-8

P: BASP01-P4  
W: BASP01-PW4

C: BASP01-C7

P: BASP01-P3  
W: BASP01-PW3

A: BASP01-11

A: BASP01-12  
U: BA-SPP-01-006

A: BASP01-10

P: BASP01-P28  
W: BASP01-PW28

P: BASP01-P29  
W: BASP01-PW29

A: BASP01-66

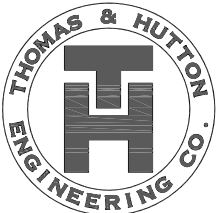
C: BASP01-C25

A: BASP01-39

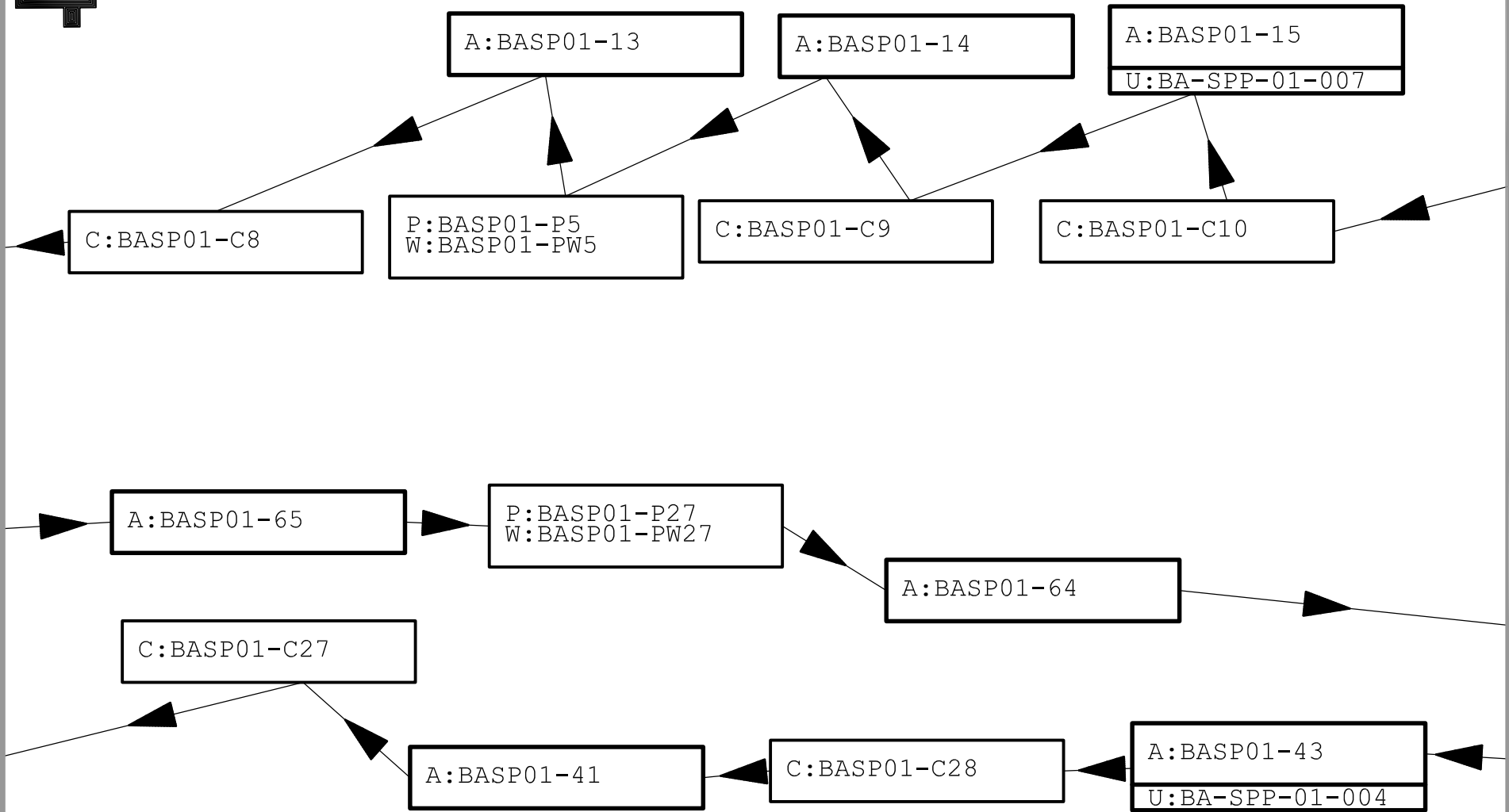
C: BASP01-C26

A: BASP01-40

BAYNARD COVE  
BROAD CREEK OUTFALL  
MAJOR BASIN 1



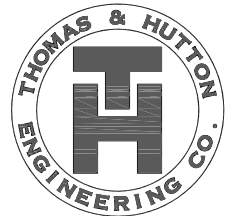
4



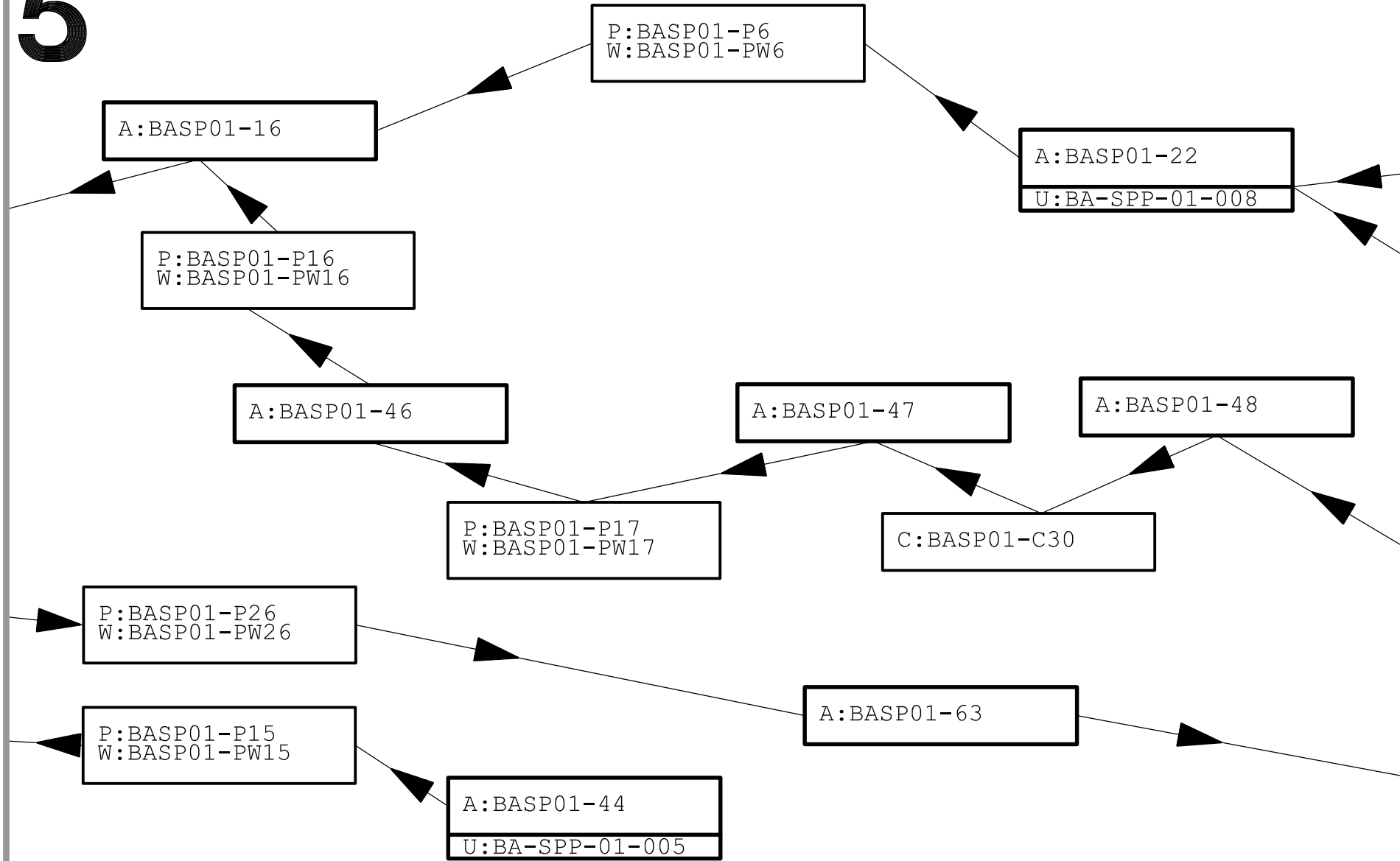
MATCHLINE - SEE SHEET 3

MATCHLINE - SEE SHEET 5

BAYNARD COVE  
BROAD CREEK OUTFALL  
MAJOR BASIN 1



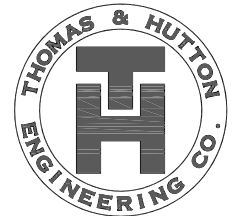
5



MATCHLINE - SEE SHEET 4

MATCHLINE - SEE SHEET 6

BAYNARD COVE  
BROAD CREEK OUTFALL  
MAJOR BASIN 1



6

P: BASP01-P10  
W: BASP01-PW10

A: BASP01-25

M: BASP01-23

M: BASP01-24

P: BASP01-P7

P: BASP01-P8

P: BASP01-P8A

A: BASP01-52

A: BASP01-53

P: BASP01-P18

P: BASP01-P19  
W: BASP01-PW19

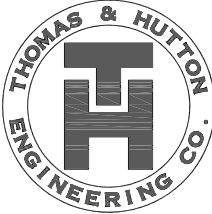
C: BASP01-C34

P: basp01-p25  
W: BASP01-PW25

MATCHLINE - SEE SHEET 5

MATCHLINE - SEE SHEET 7

BAYNARD COVE  
BROAD CREEK OUTFALL  
MAJOR BASIN 1

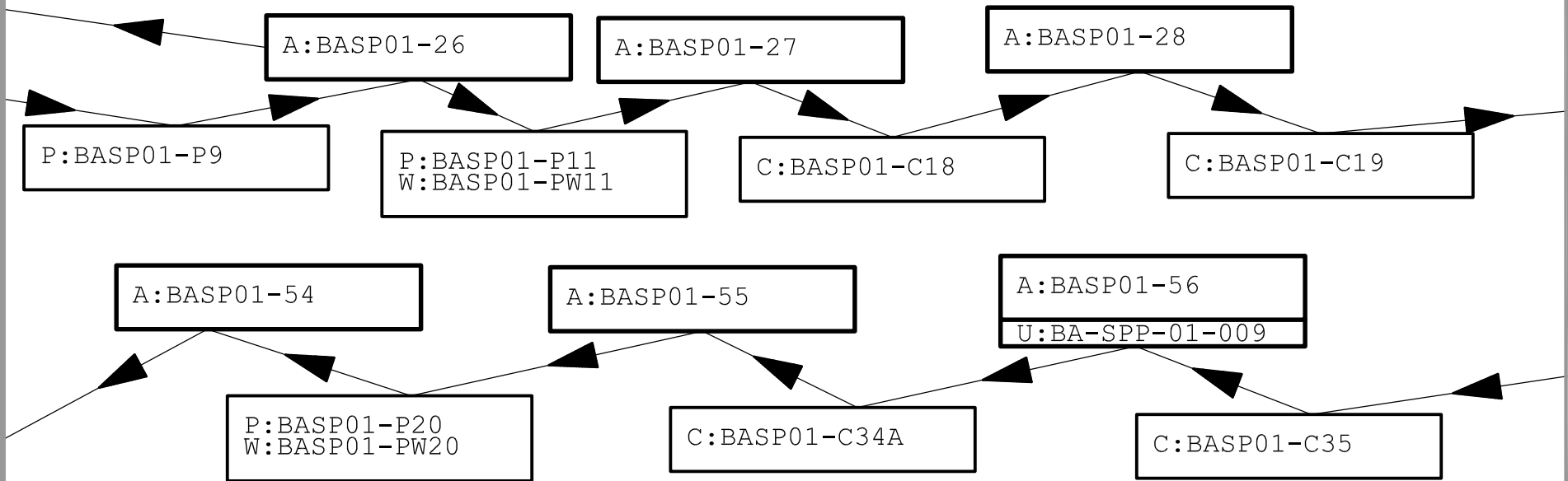




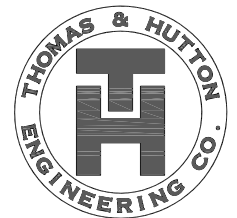
7

MATCHLINE - SEE SHEET 6

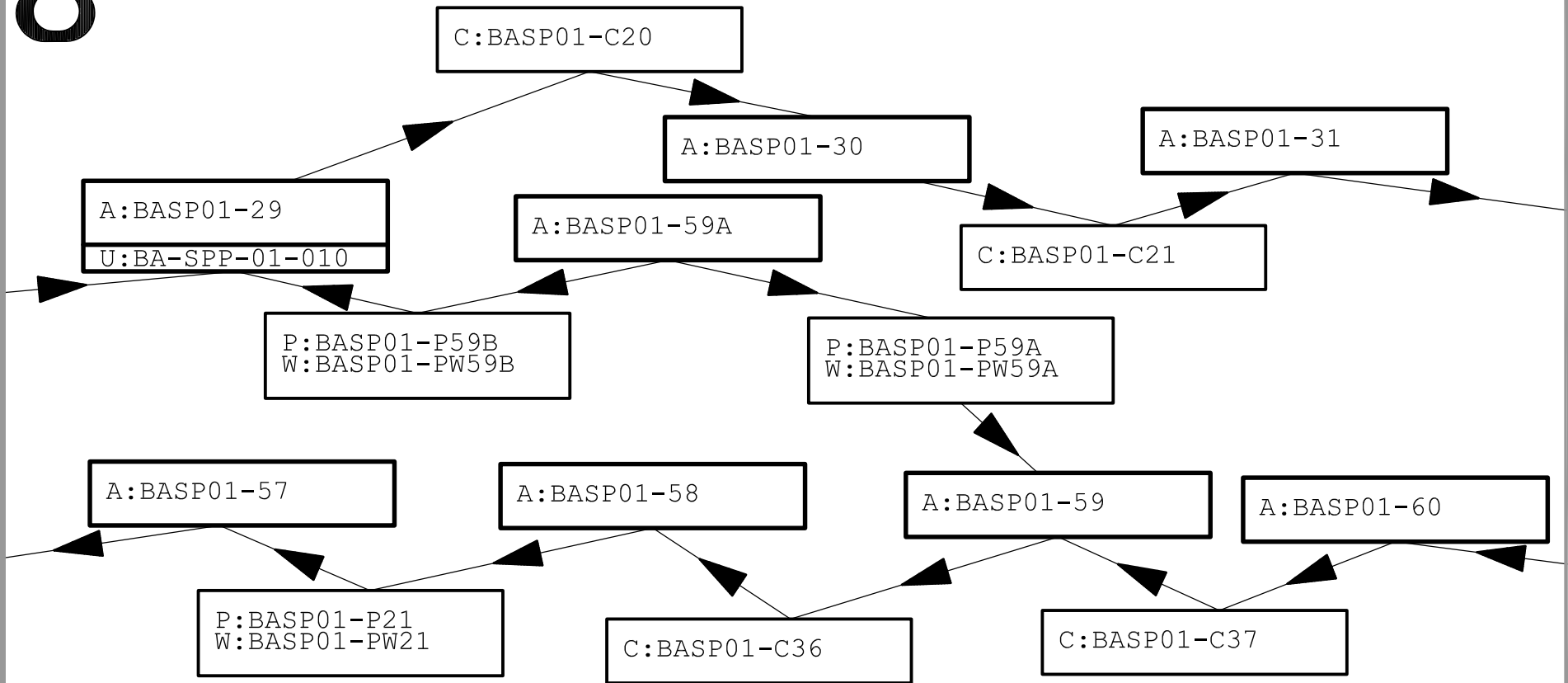
MATCHLINE - SEE SHEET 8



BAYNARD COVE  
BROAD CREEK OUTFALL  
MAJOR BASIN 1



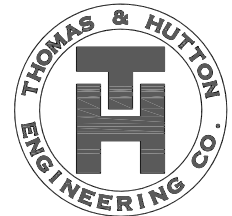
8



MATCHLINE - SEE SHEET 7

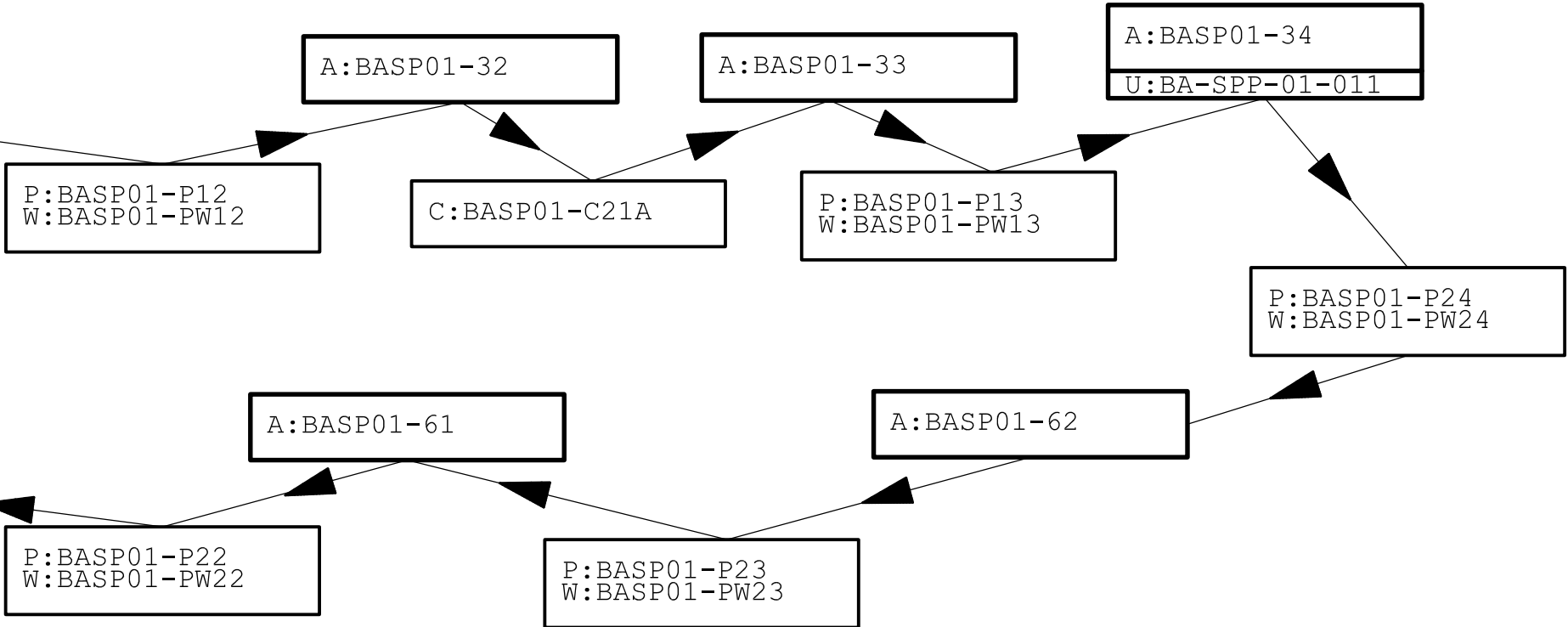
MATCHLINE - SEE SHEET 9

BAYNARD COVE  
BROAD CREEK OUTFALL  
MAJOR BASIN 1

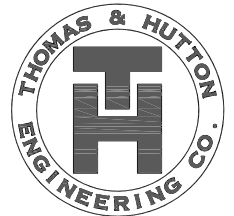


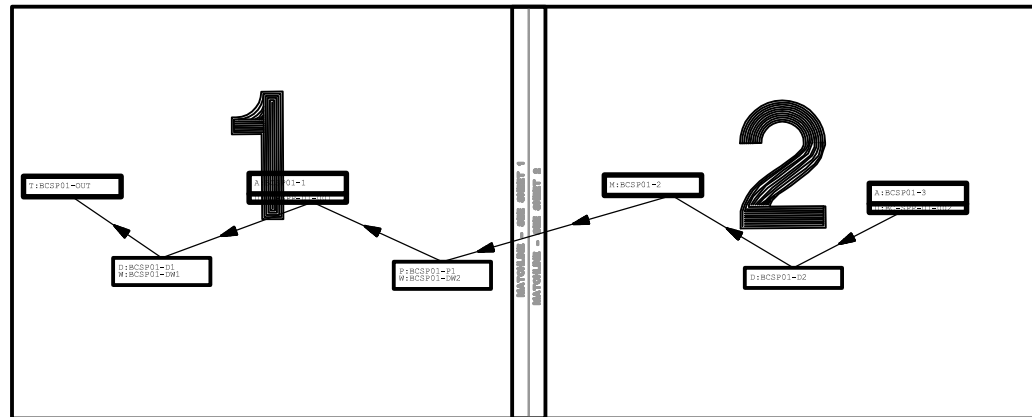
9

MATCHLINE - SEE SHEET 8

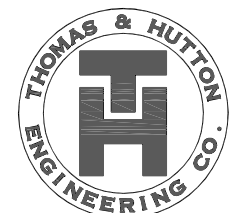


BAYNARD COVE  
BROAD CREEK OUTFALL  
MAJOR BASIN 1





BRADDOCK COVE  
 BROAD CREEK OUTFALL  
 MAJOR BASIN 1



1

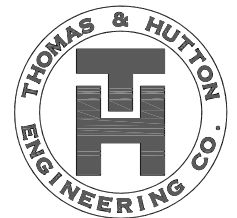
T:BCSP01-OUT

A:BCSP01-1  
U:BC-SPP-01-001

D:BCSP01-D1  
W:BCSP01-DW1

P:BCSP01-P1  
W:BCSP01-DW2

BRADDOCK COVE  
BROAD CREEK OUTFALL  
MAJOR BASIN 1



MATCHLINE - SEE SHEET 2

2

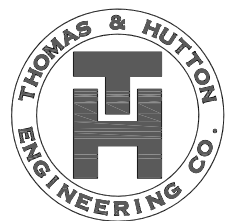
MATCHLINE - SEE SHEET 1

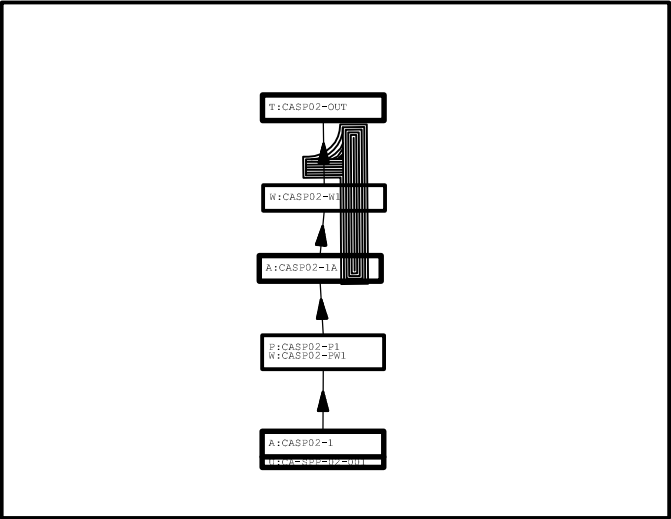
M:BCSP01-2

A:BCSP01-3  
U:BC-SPP-01-002

D:BCSP01-D2

BRADDOCK COVE  
BROAD CREEK OUTFALL  
MAJOR BASIN 1

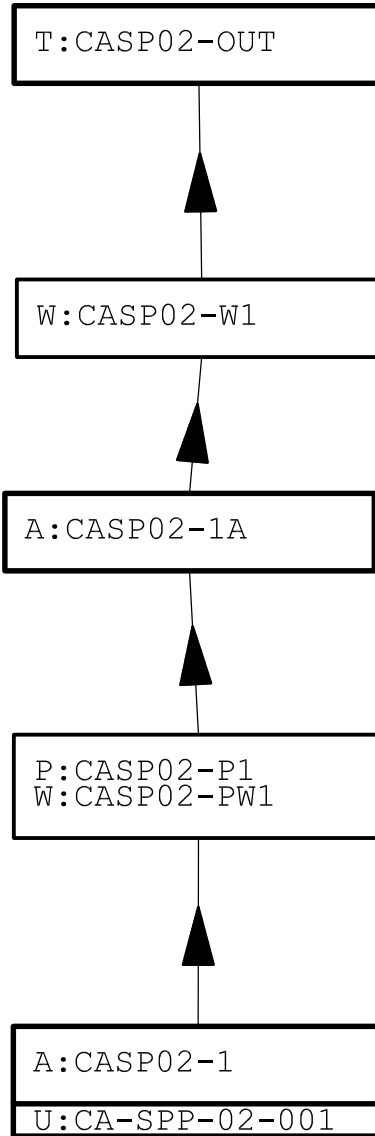




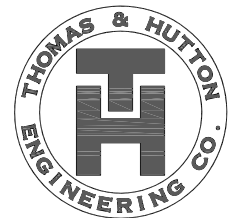
SEA PINES  
CALIBOGUE SOUND  
MAJOR BASIN 2



1



SEA PINES  
CALIBOGUE SOUND  
MAJOR BASIN 2





T:CASP01-OUT

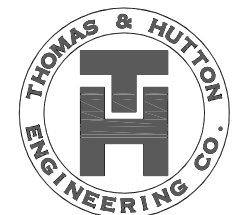
P:CASP01-F1  
W:CASP01-F1

A:CASP01-F1

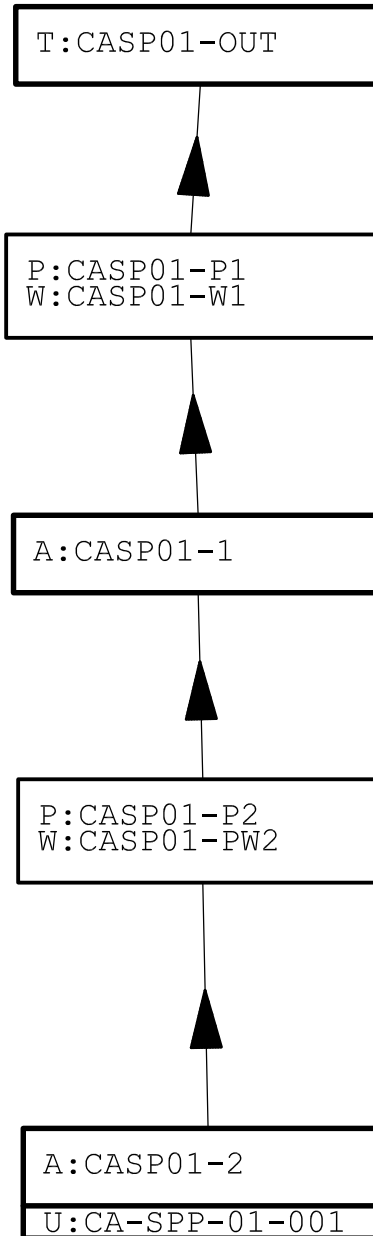
P:CASP01-F2  
W:CASP01-F2

A:CASP01-2

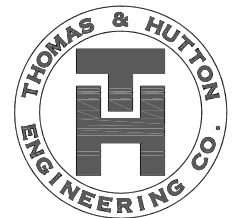
SEA PINES  
CALIBOGUE SOUND  
MAJOR BASIN 1

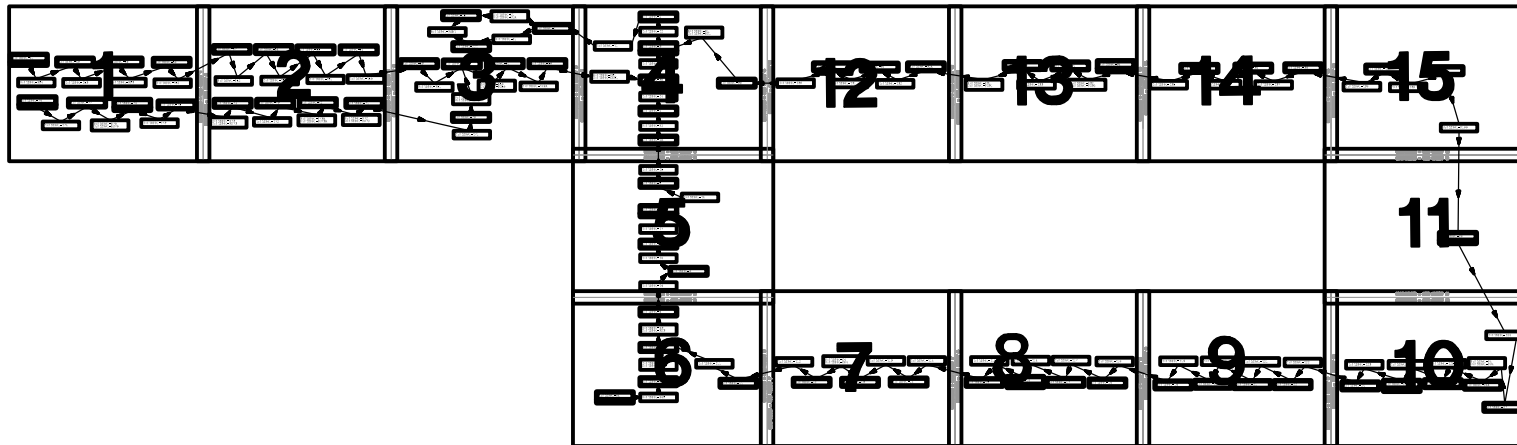


1

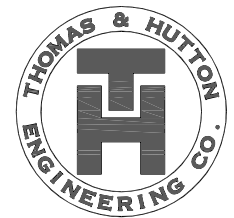


SEA PINES  
CALIBOGUE SOUND  
MAJOR BASIN 1

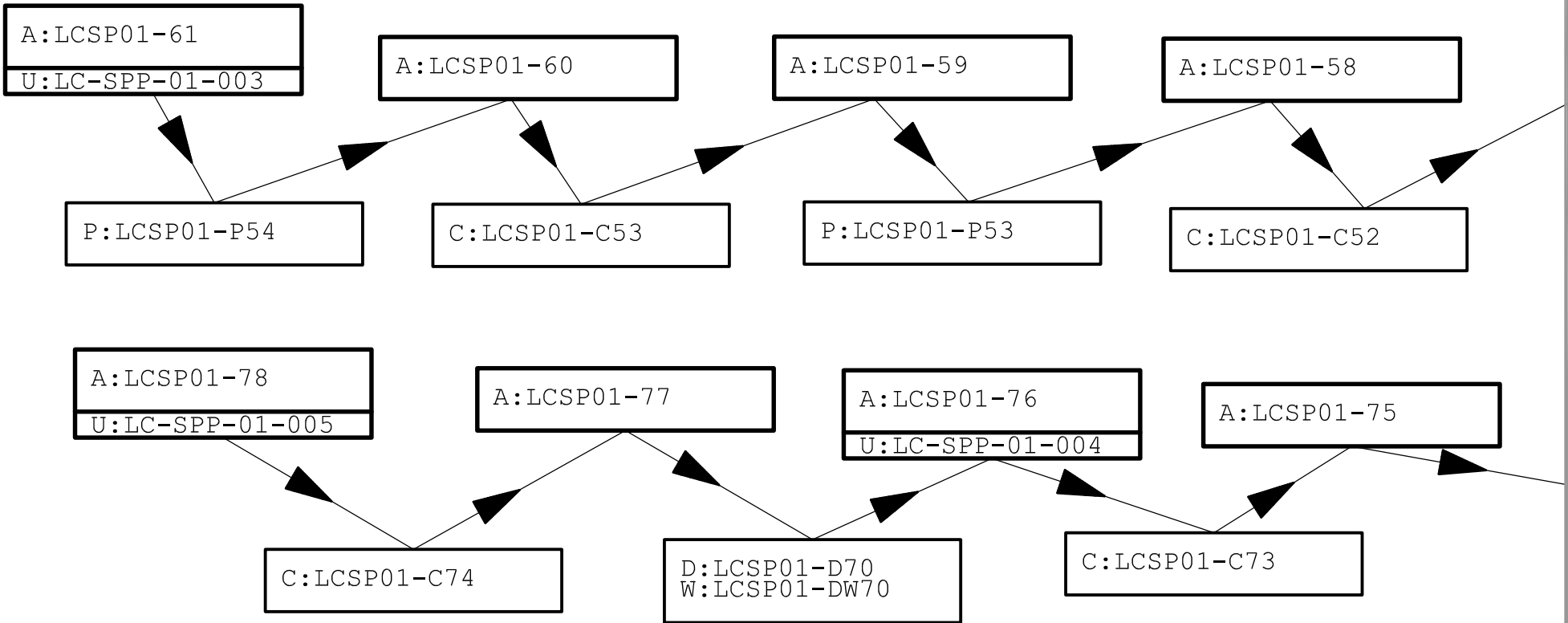




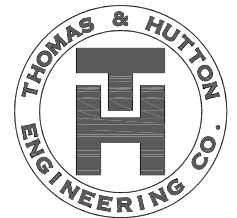
SEA PINES  
LAWTON CANAL  
MAJOR BASIN 1



1



SEA PINES  
LAWTON CANAL  
MAJOR BASIN 1

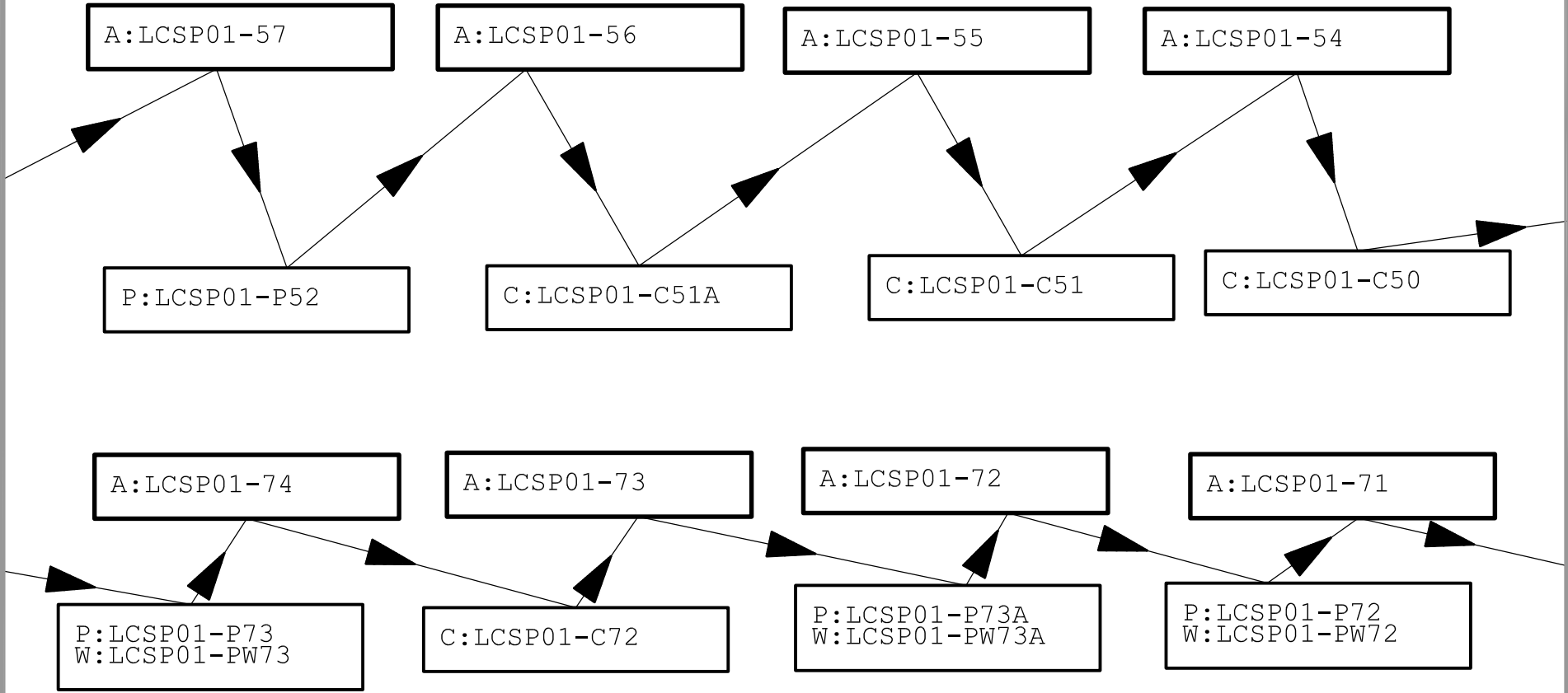


MATCHLINE - SEE SHEET 2

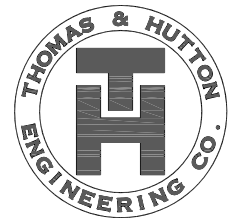
2

MATCHLINE - SEE SHEET 1

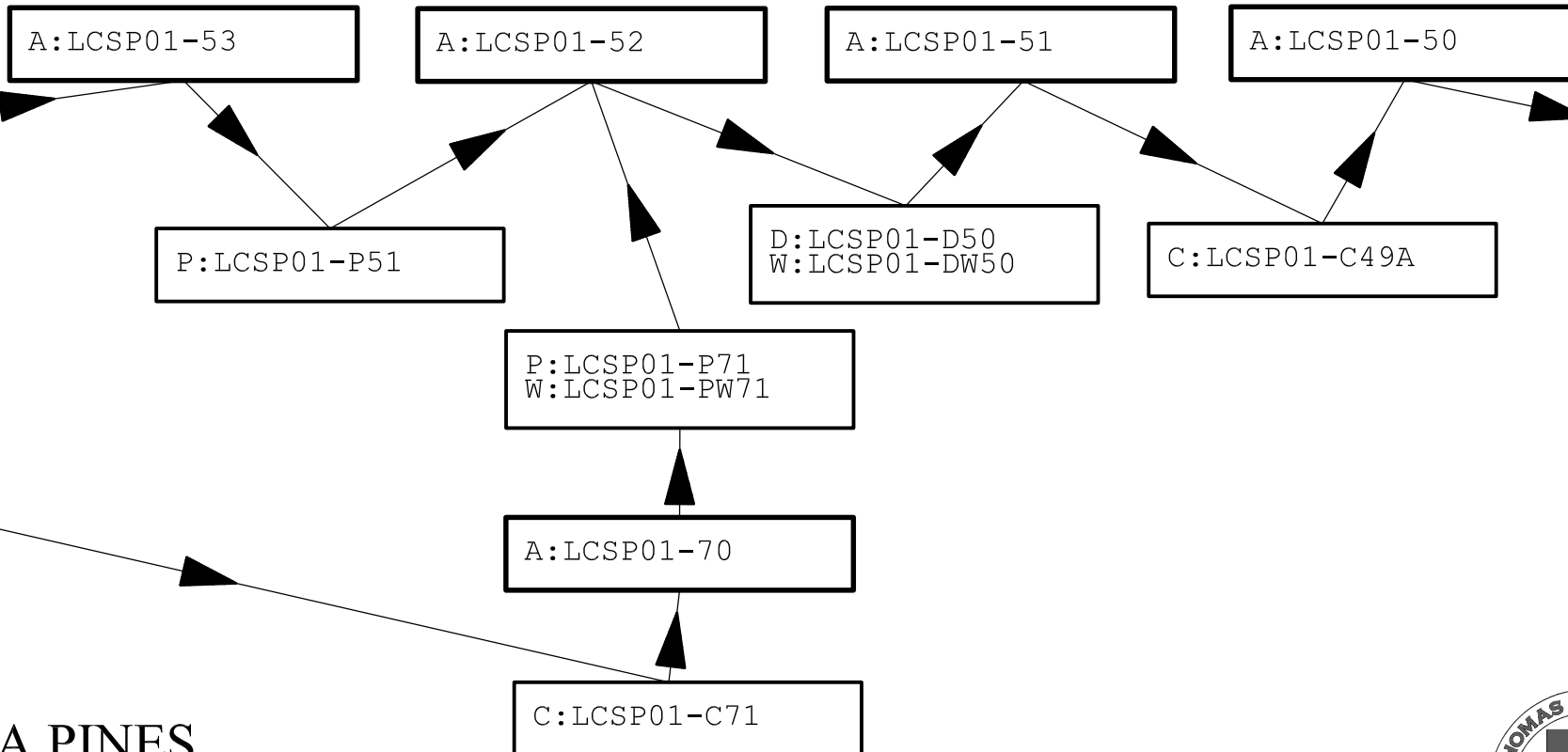
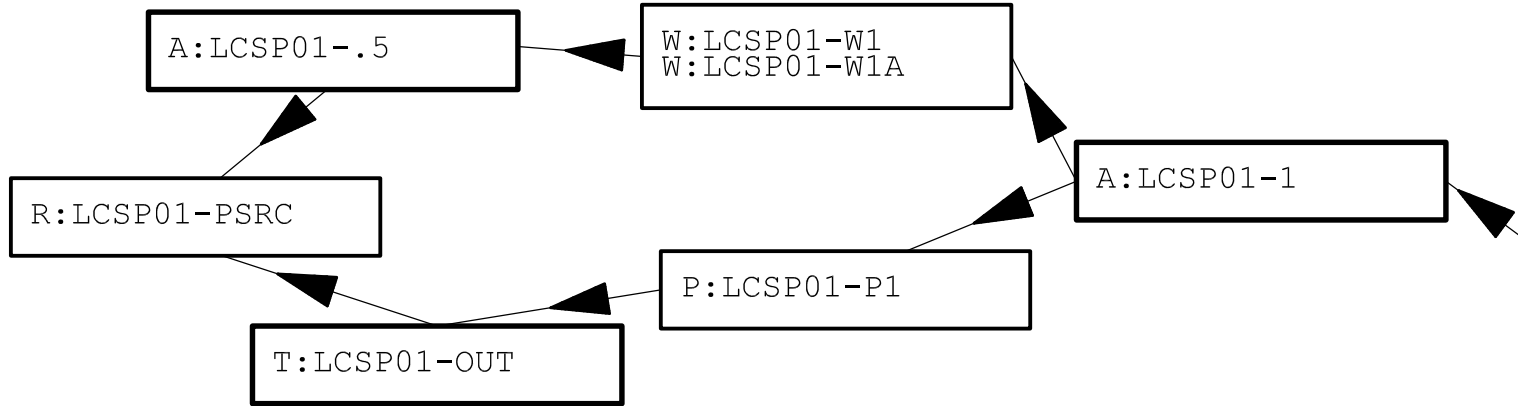
MATCHLINE - SEE SHEET 3



SEA PINES  
LAWTON CANAL  
MAJOR BASIN 1



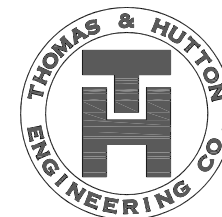
3



MATCHLINE - SEE SHEET 2

MATCHLINE - SEE SHEET 4

SEA PINES  
LAWTON CANAL  
MAJOR BASIN 1



4

C:LCSP01-C1

A:LCSP01-2

C:LCSP01-C2

D:LCSP01-D1  
W:LCSP01-DW1

A:LCSP01-3

U:LC-SPP-01-001

C:LCSP01-C3

D:LCSP01-D51  
W:LCSP01-DW51

A:LCSP01-3A

A:LCSP01-30

C:LCSP01-C4

A:LCSP01-4

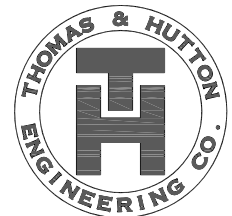
P:LCSP01-P2

A:LCSP01-4A

MATCHLINE - SEE SHEET 3

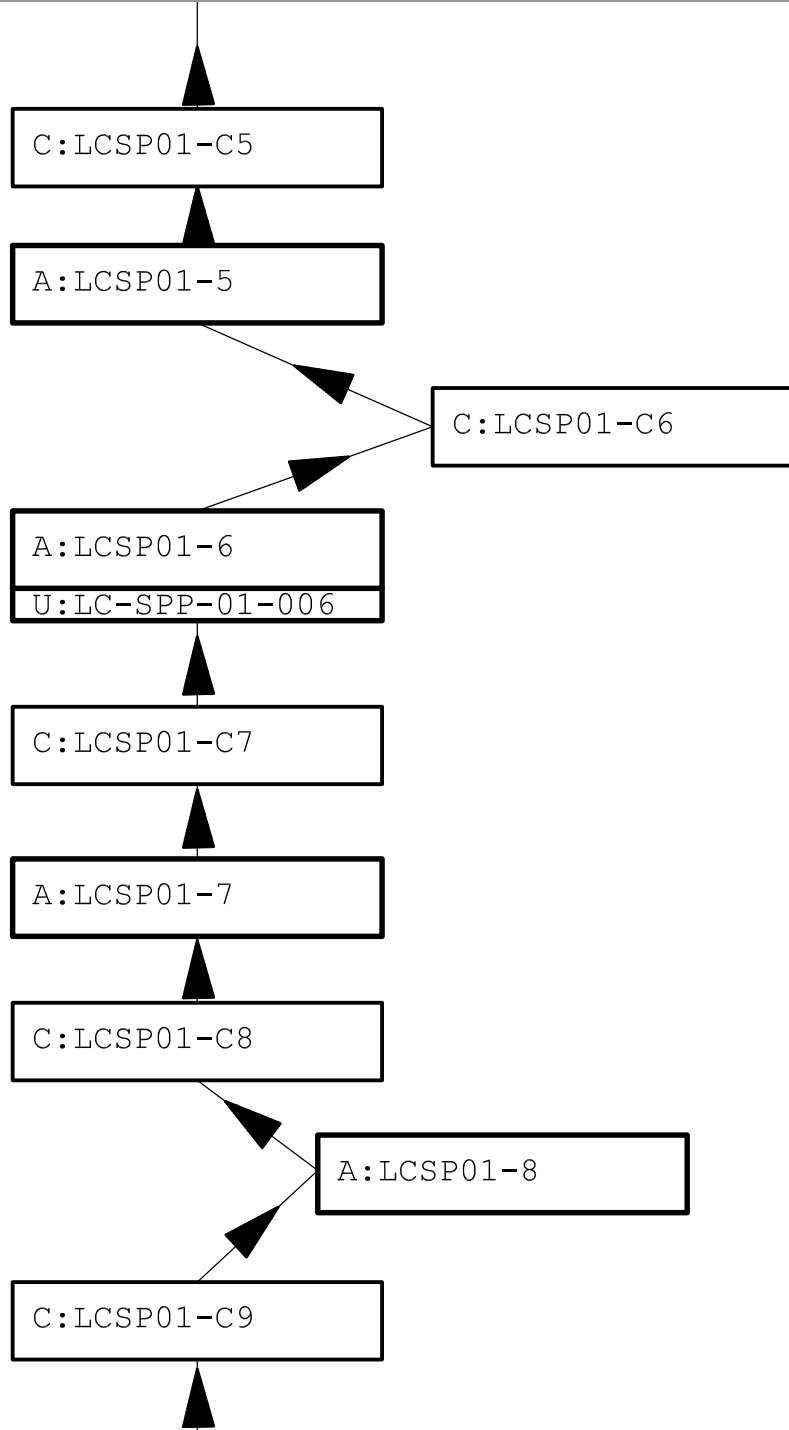
MATCHLINE - SEE SHEET 12

SEA PINES  
LAWTON CANAL  
MAJOR BASIN 1

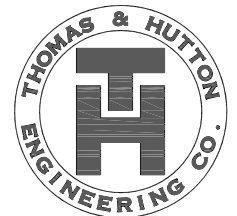


MATCHLINE - SEE SHEET 5

5

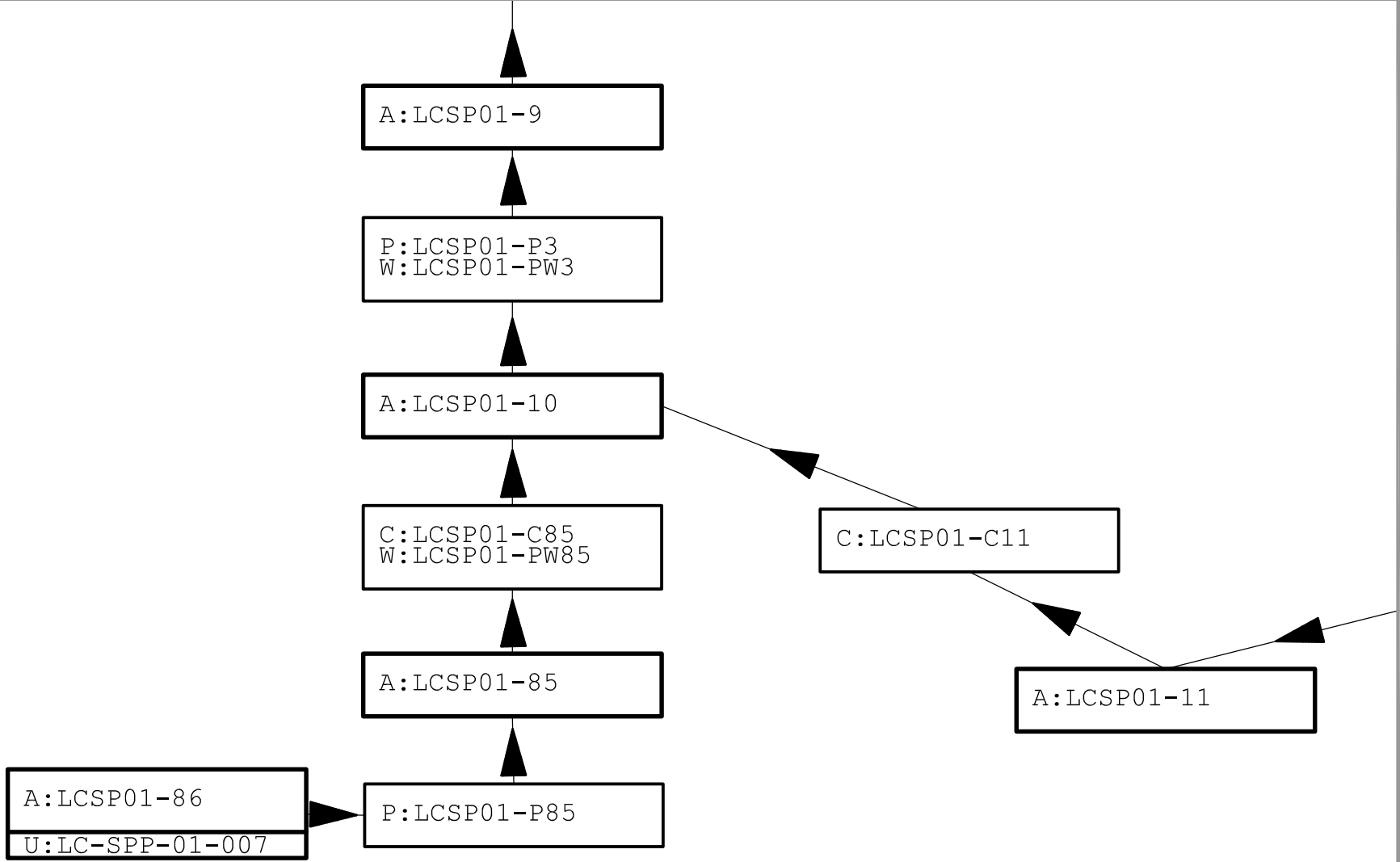


SEA PINES  
LAWTON CANAL  
MAJOR BASIN 1

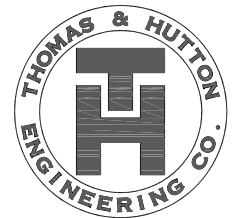




6



SEA PINES  
LAWTON CANAL  
MAJOR BASIN 1



7

MATCHLINE - SEE SHEET 6

MATCHLINE - SEE SHEET 8

C:LCSP01-C12

D:LCSP01-D4  
W:LCSP01-DW4

C:LCSP01-C13

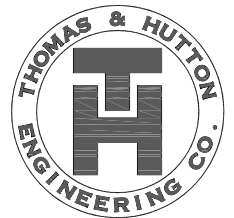
C:LCSP01-C14

A:LCSP01-12

A:LCSP01-13

A:LCSP01-14

SEA PINES  
LAWTON CANAL  
MAJOR BASIN 1



8

MATCHLINE - SEE SHEET 7

MATCHLINE - SEE SHEET 9

C:LCSP01-C15

C:LCSP01-C16

C:LCSP01-C17

C:LCSP01-C18

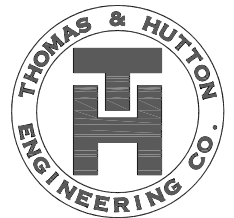
A:LCSP01-15

A:LCSP01-16  
U:LC-SPP-01-008

A:LCSP01-17

A:LCSP01-18

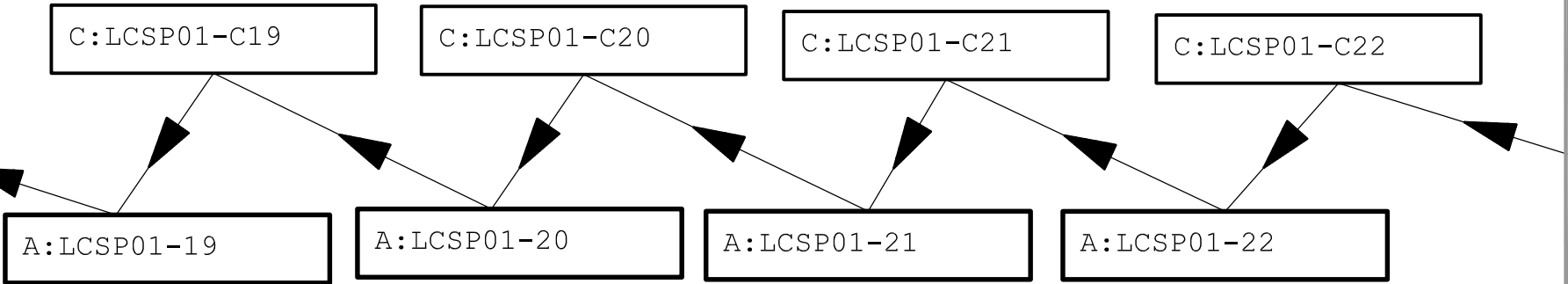
SEA PINES  
LAWTON CANAL  
MAJOR BASIN 1



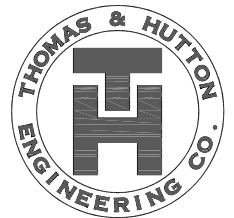
9

MATCHLINE - SEE SHEET 8

MATCHLINE - SEE SHEET 10



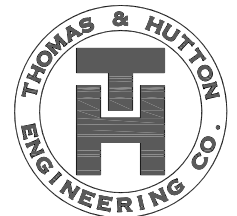
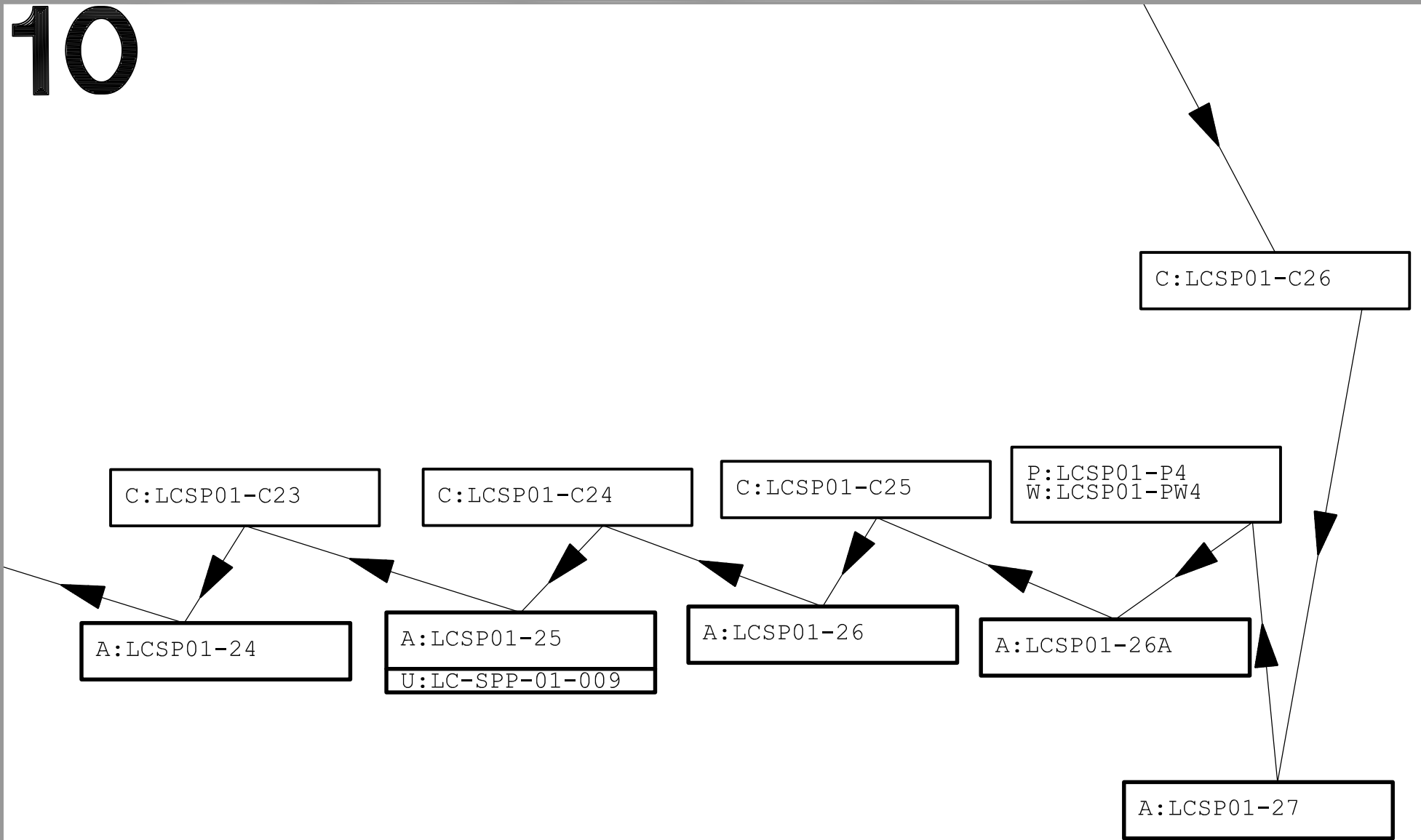
SEA PINES  
LAWTON CANAL  
MAJOR BASIN 1



# 10

MATCHLINE - SEE SHEET 9

## SEA PINES LAWTON CANAL MAJOR BASIN 1

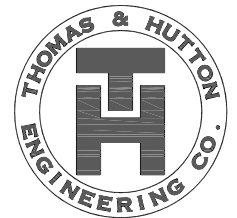


11

A:LCSP01-28

U:LC-SPP-01-010

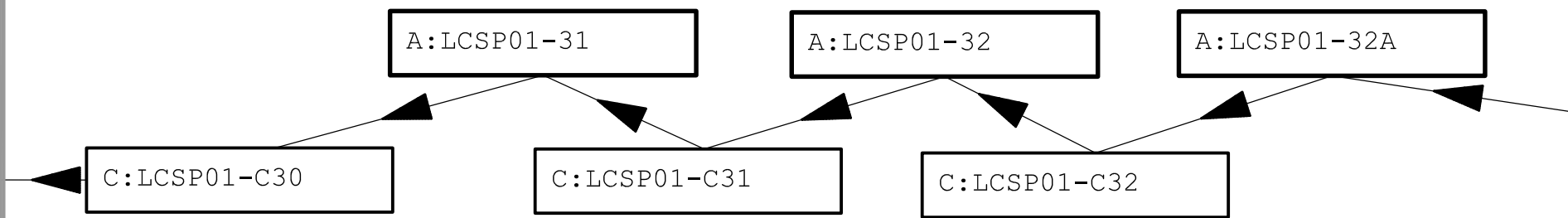
SEA PINES  
LAWTON CANAL  
MAJOR BASIN 1



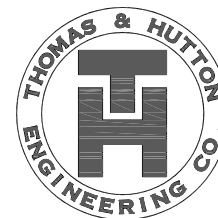
# 12

MATCHLINE - SEE SHEET 4

MATCHLINE - SEE SHEET 13



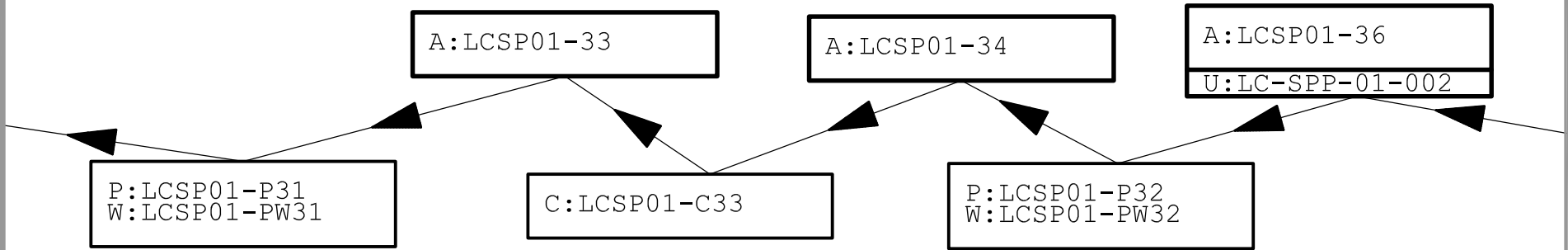
SEA PINES  
LAWTON CANAL  
MAJOR BASIN 1



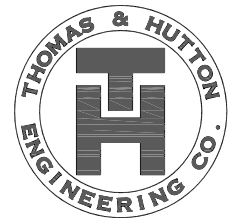
# 13

MATCHLINE - SEE SHEET 12

MATCHLINE - SEE SHEET 14



SEA PINES  
LAWTON CANAL  
MAJOR BASIN 1

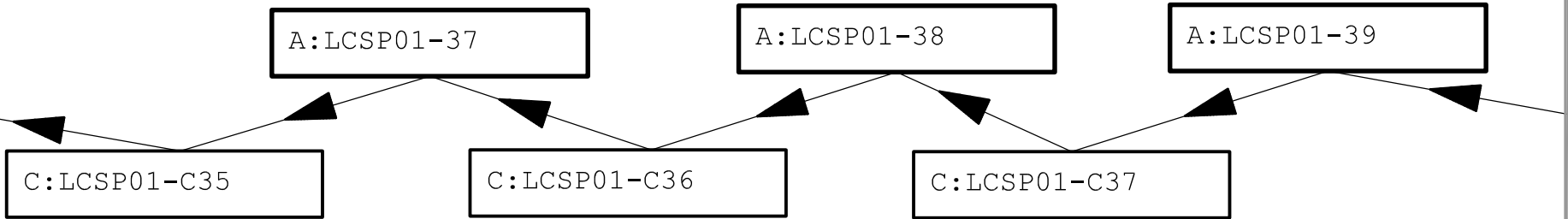




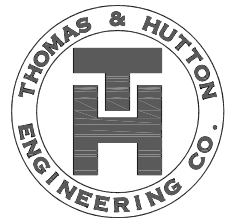
# 14

MATCHLINE - SEE SHEET 13

MATCHLINE - SEE SHEET 15

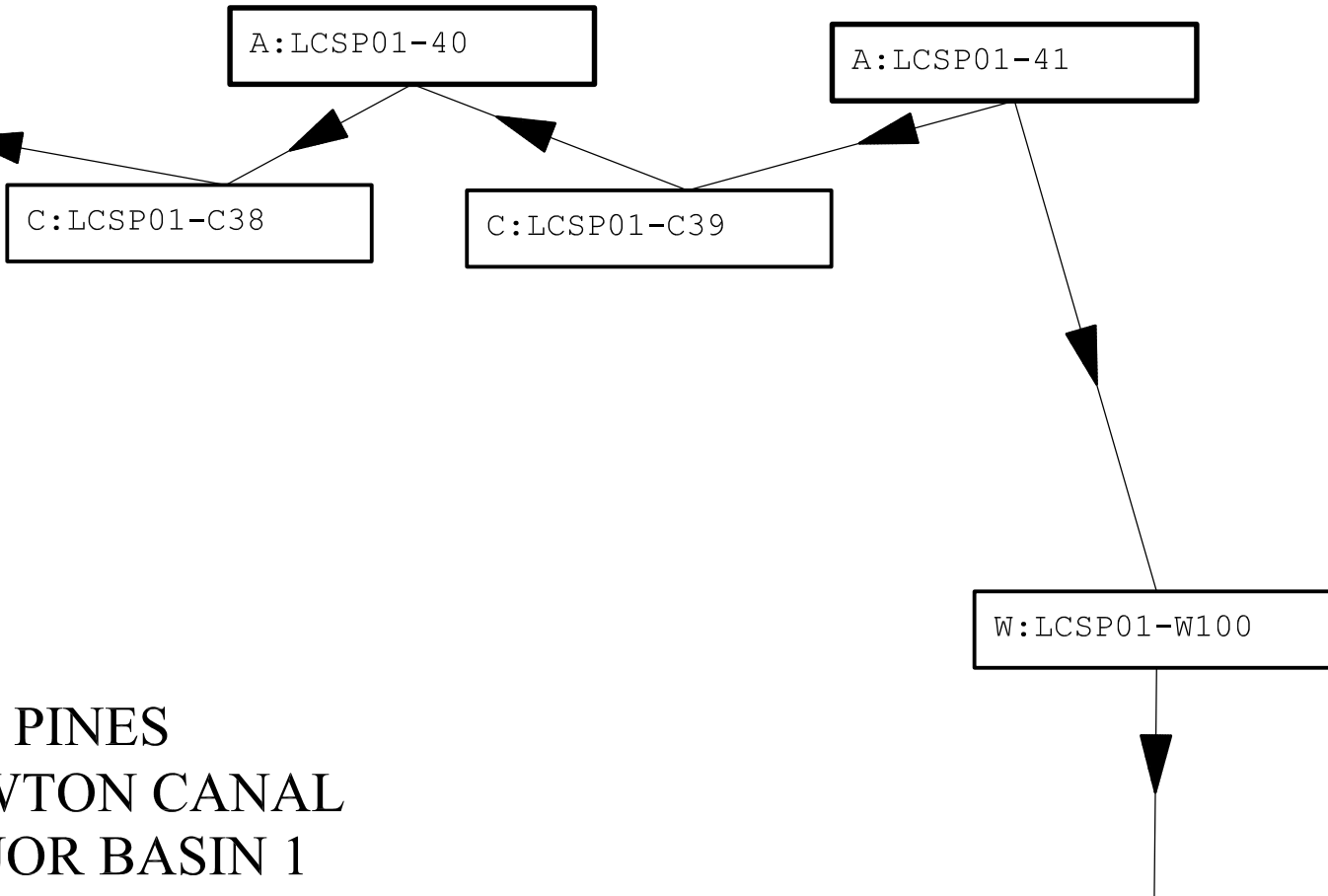


SEA PINES  
LAWTON CANAL  
MAJOR BASIN 1

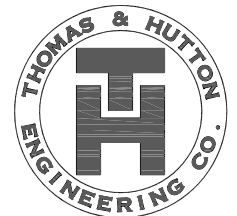


# 15

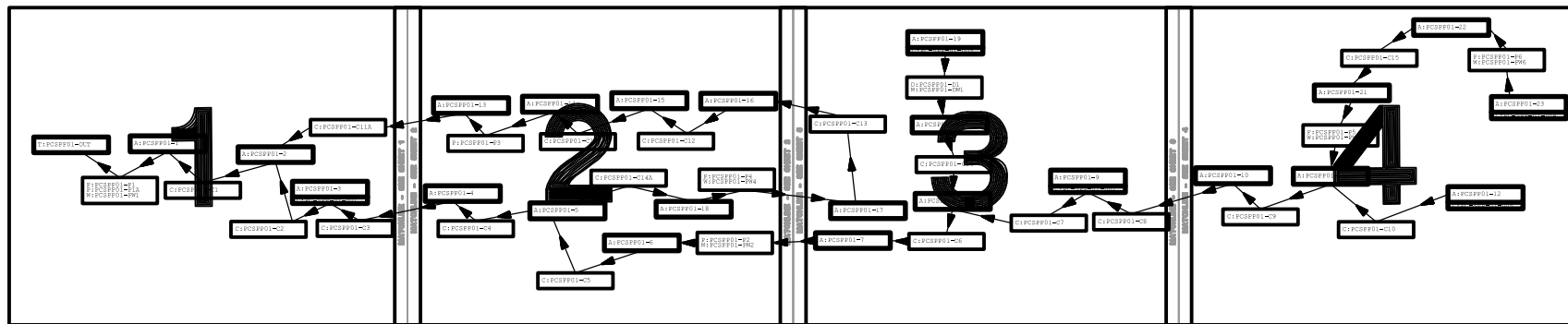
MATCHLINE - SEE SHEET 14



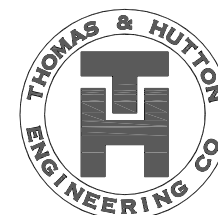
SEA PINES  
LAWTON CANAL  
MAJOR BASIN 1



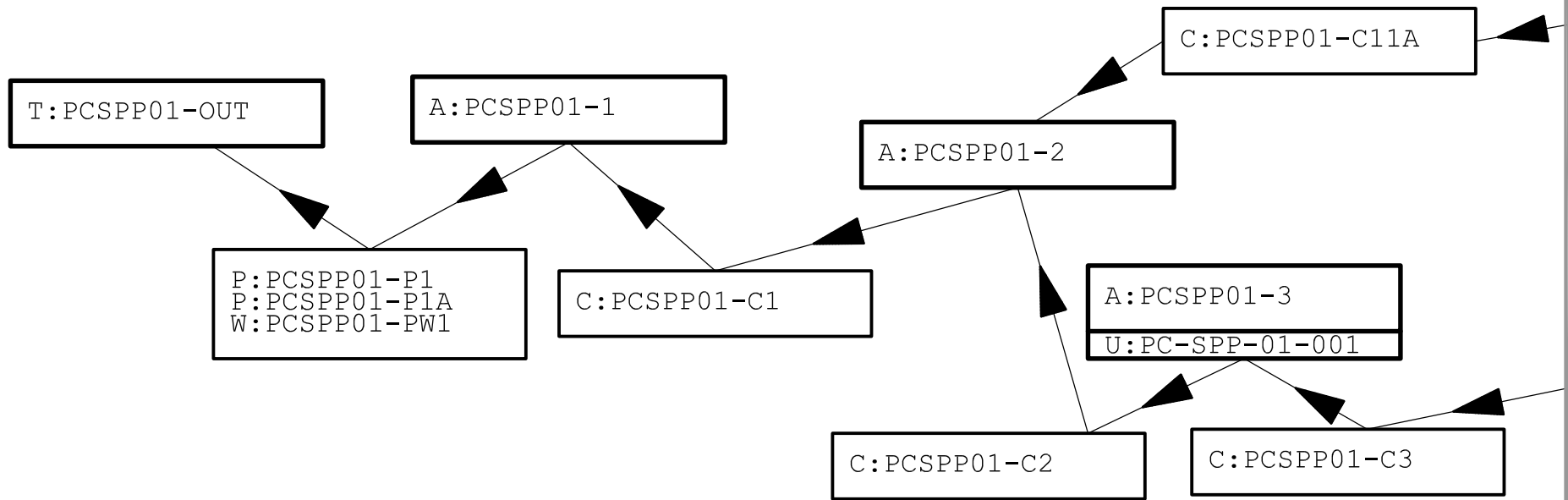
MATCHLINE - SEE SHEET 11



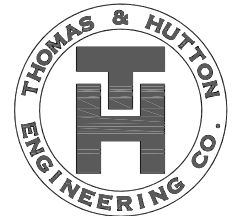
SEA PINES  
 POINT COMFORT CREEK  
 MAJOR BASIN 1



1



SEA PINES  
POINT COMFORT CREEK  
MAJOR BASIN 1

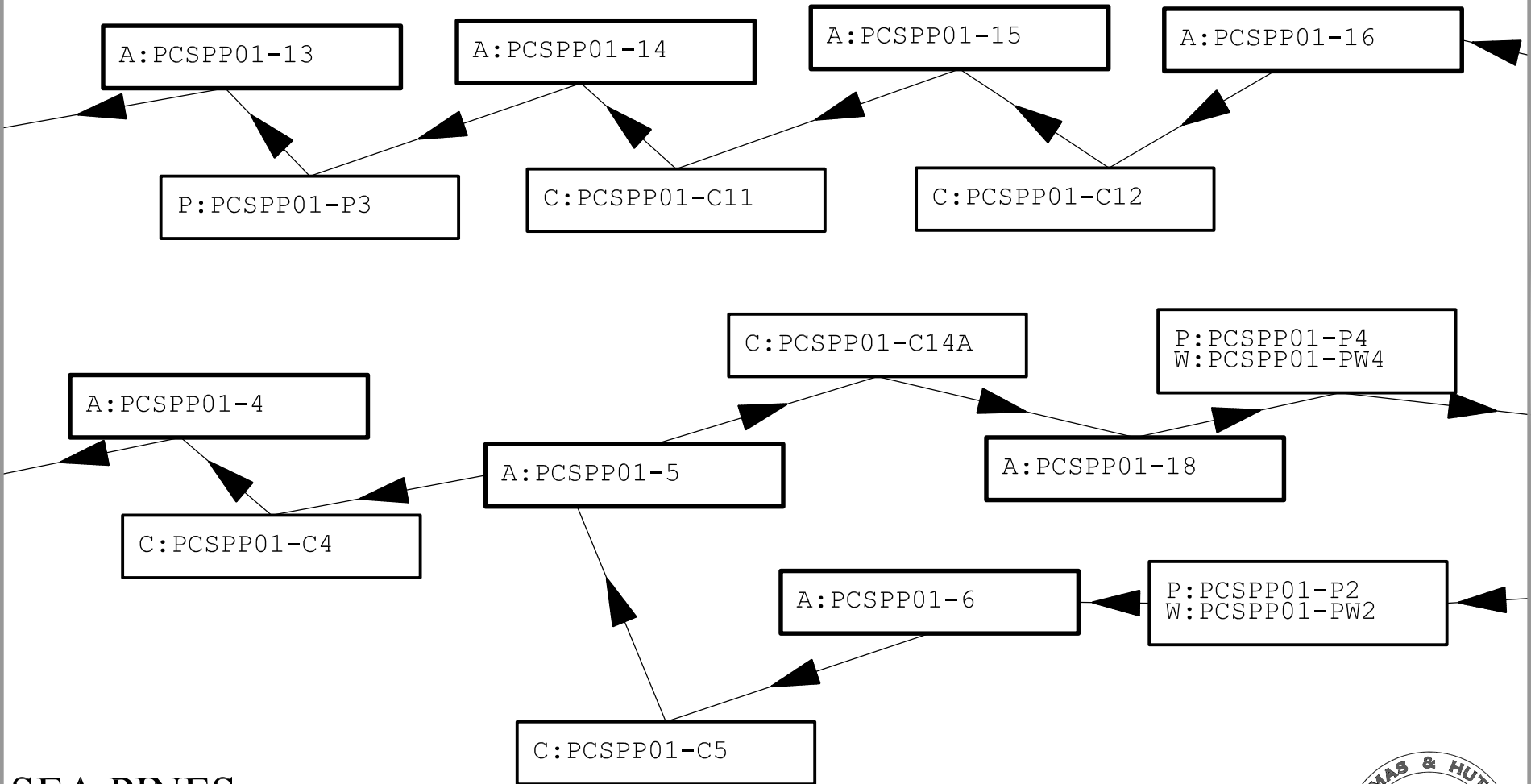


MATCHLINE - SEE SHEET 2

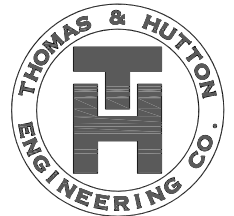
2

MATCHLINE - SEE SHEET 1

MATCHLINE - SEE SHEET 3



SEA PINES  
POINT COMFORT CREEK  
MAJOR BASIN 1



3

MATCHLINE - SEE SHEET 2

A:PCSPP01-19  
U:PC-SPP-01-003

D:PCSPP01-D1  
W:PCSPP01-DW1

C:PCSPP01-C13

A:PCSPP01-20

C:PCSPP01-C14

A:PCSPP01-17

A:PCSPP01-8

A:PCSPP01-9  
U:PC-SPP-01-002

A:PCSPP01-7

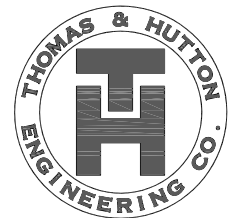
C:PCSPP01-C6

C:PCSPP01-C7

C:PCSPP01-C8

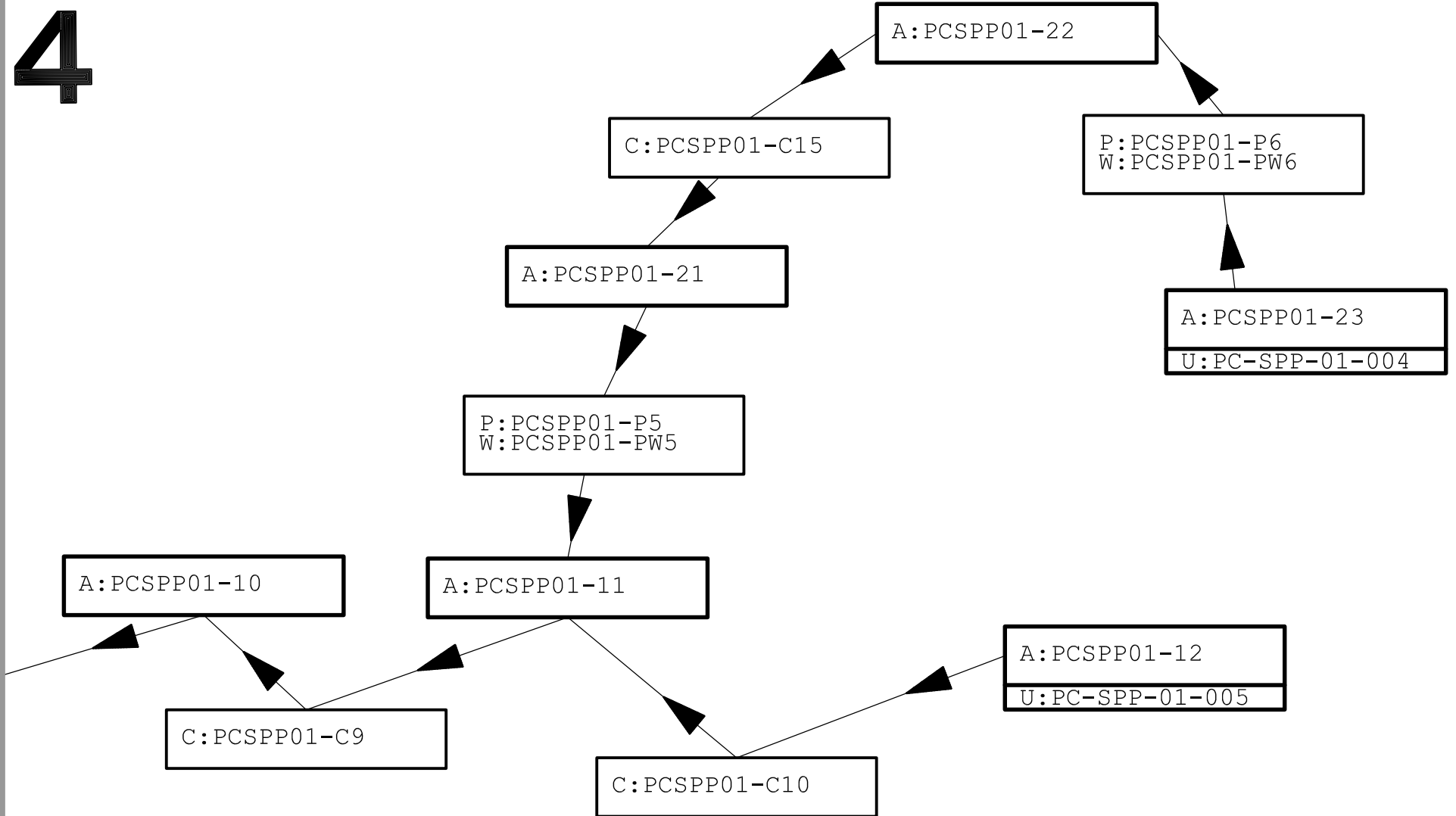
MATCHLINE - SEE SHEET 4

SEA PINES  
POINT COMFORT CREEK  
MAJOR BASIN 1

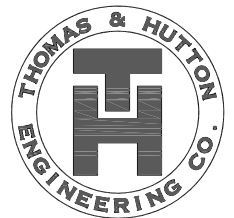


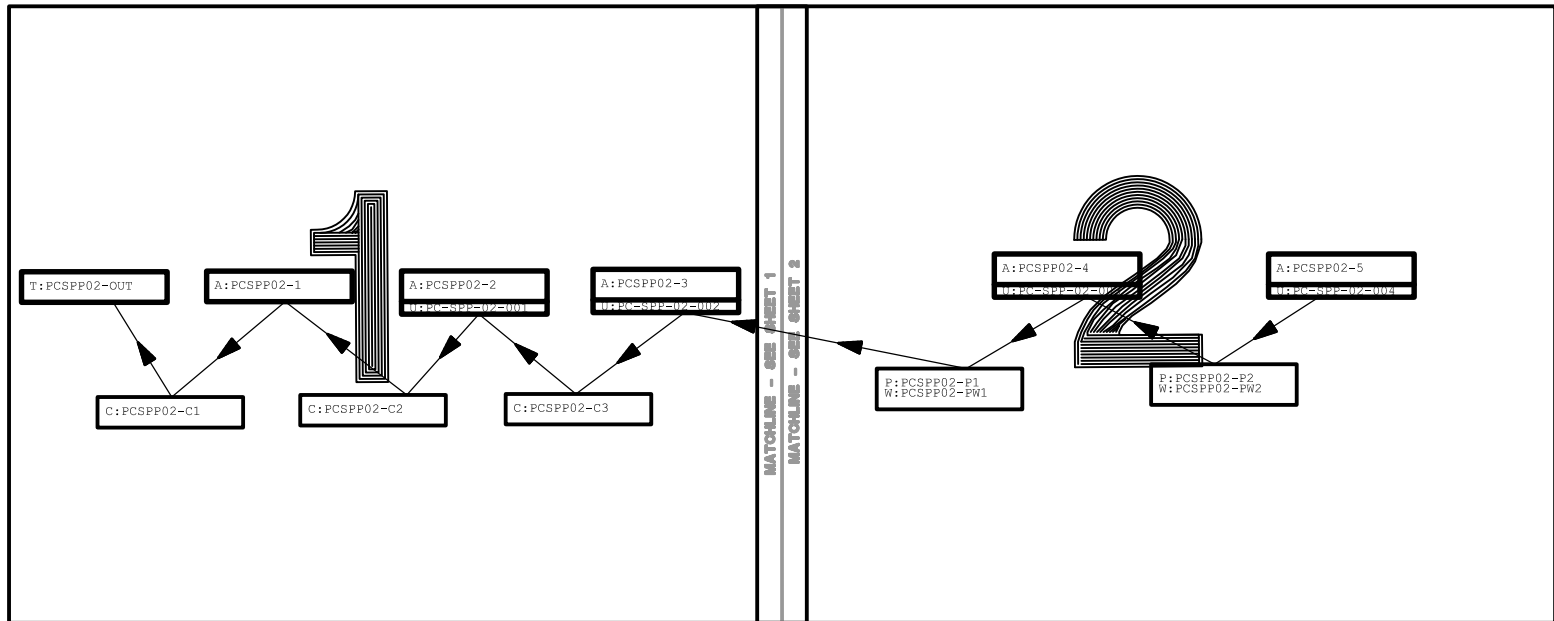
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MATCHLINE - SEE SHEET 3

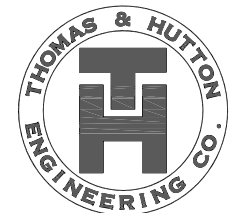


SEA PINES  
POINT COMFORT CREEK  
MAJOR BASIN 1



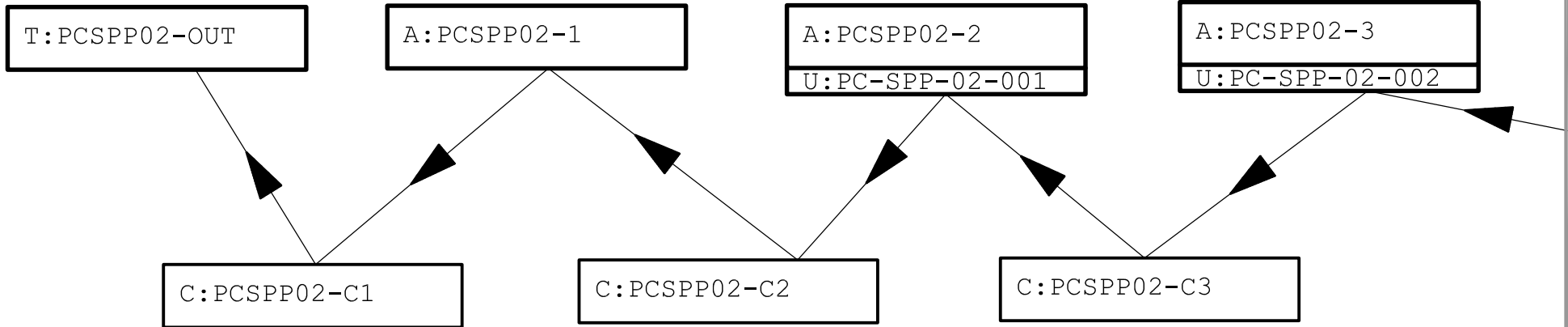


SEA PINES  
 POINT COMFORT CREEK  
 MAJOR BASIN 2

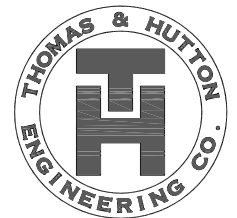




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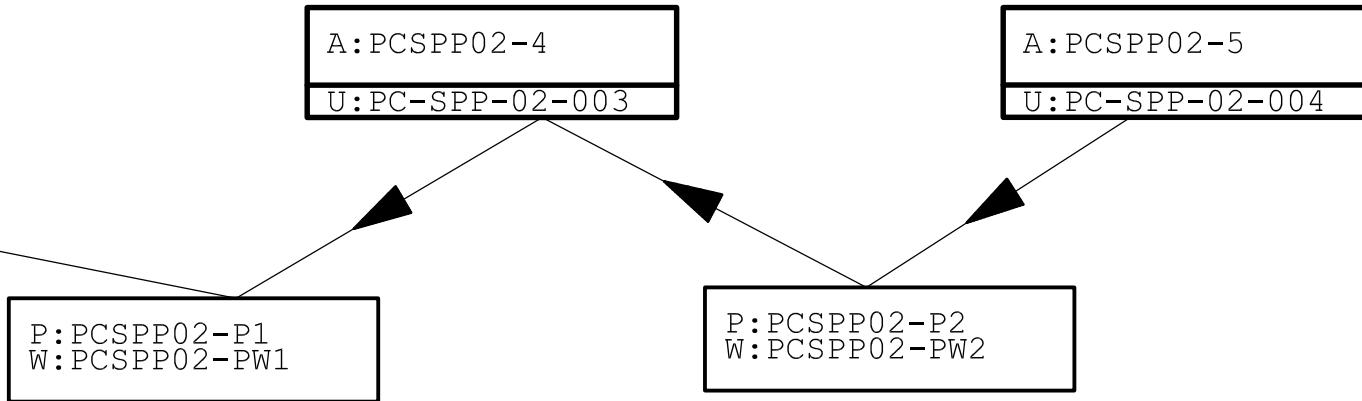
SEA PINES  
POINT COMFORT CREEK  
MAJOR BASIN 2



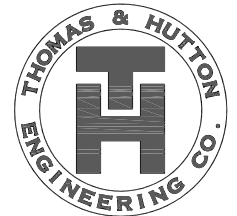
MATCHLINE - SEE SHEET 2

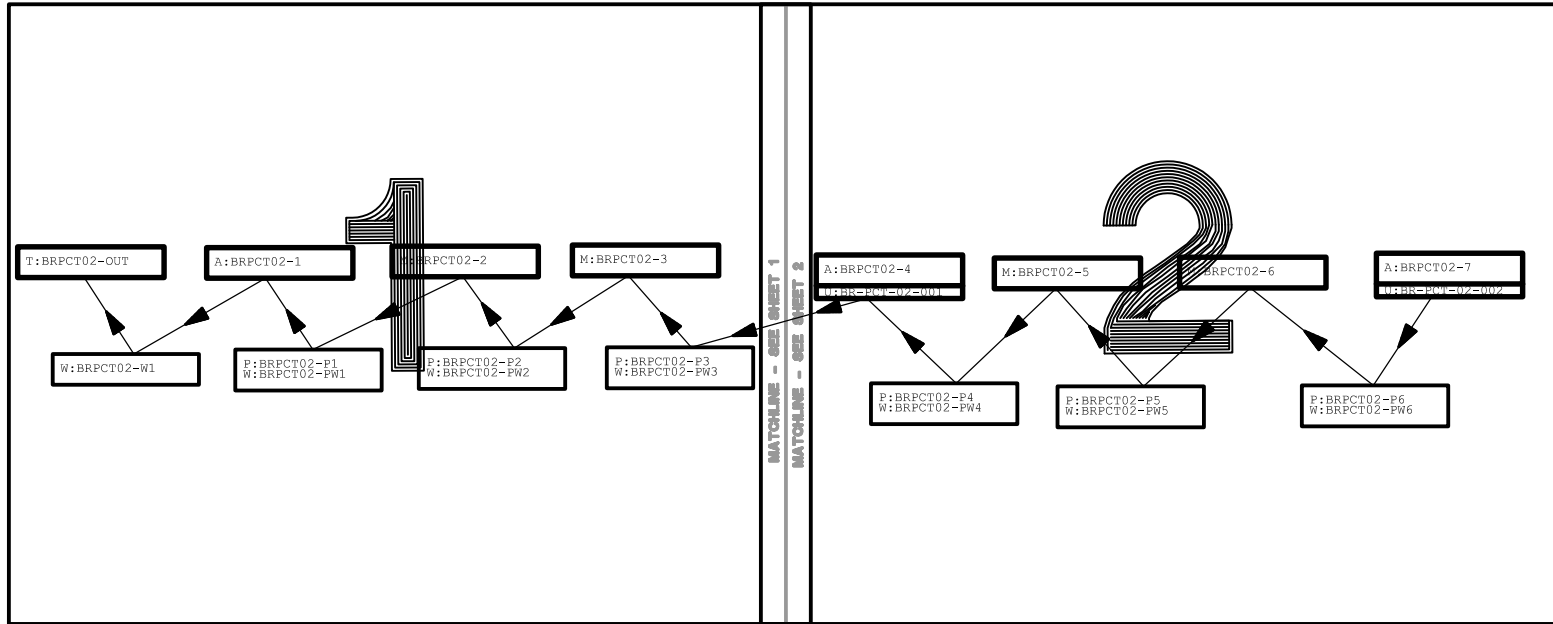
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MATCHLINE - SEE SHEET 1

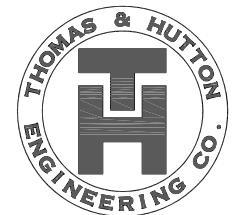


SEA PINES  
POINT COMFORT CREEK  
MAJOR BASIN 2

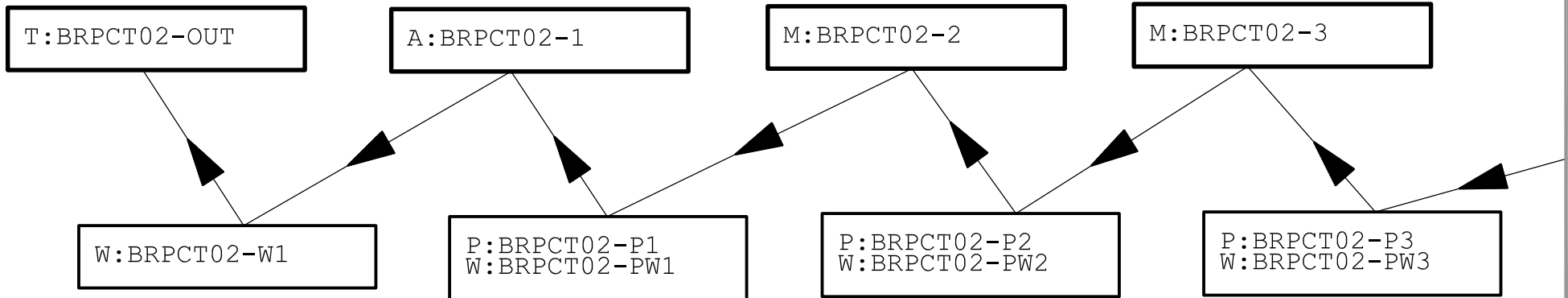




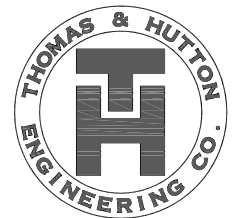
POINT COMFORT  
 BROAD CREEK  
 MAJOR BASIN 2



1



POINT COMFORT  
BROAD CREEK  
MAJOR BASIN 2



MATCHLINE - SEE SHEET 2

2

MATCHLINE - SEE SHEET 1

A:BRPCT02-4  
U:BR-PCT-02-001

M:BRPCT02-5

M:BRPCT02-6

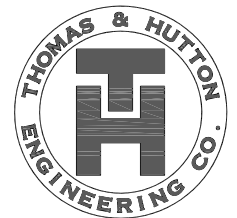
A:BRPCT02-7  
U:BR-PCT-02-002

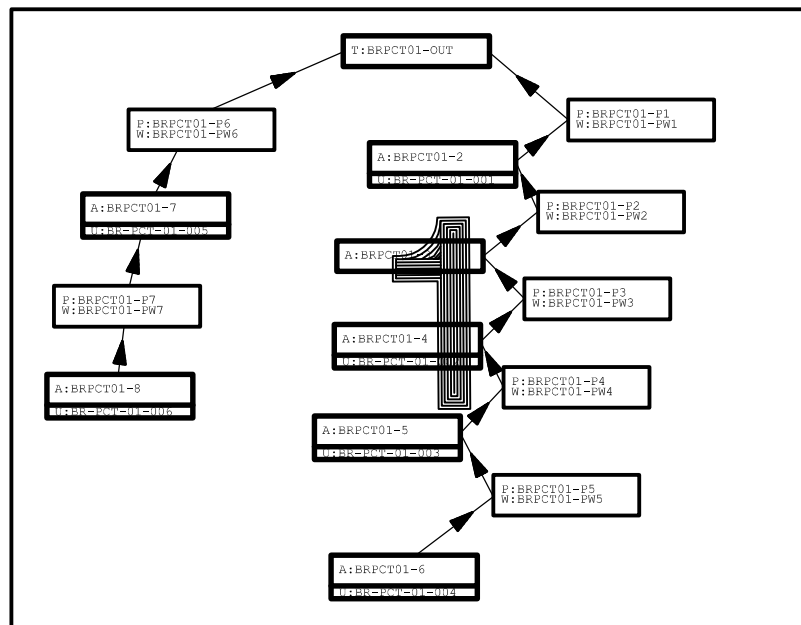
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W:BRPCT02-PW4

P:BRPCT02-P5  
W:BRPCT02-PW5

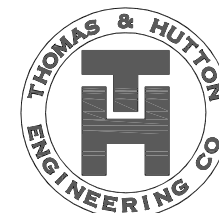
P:BRPCT02-P6  
W:BRPCT02-PW6

POINT COMFORT  
BROAD CREEK  
MAJOR BASIN 2

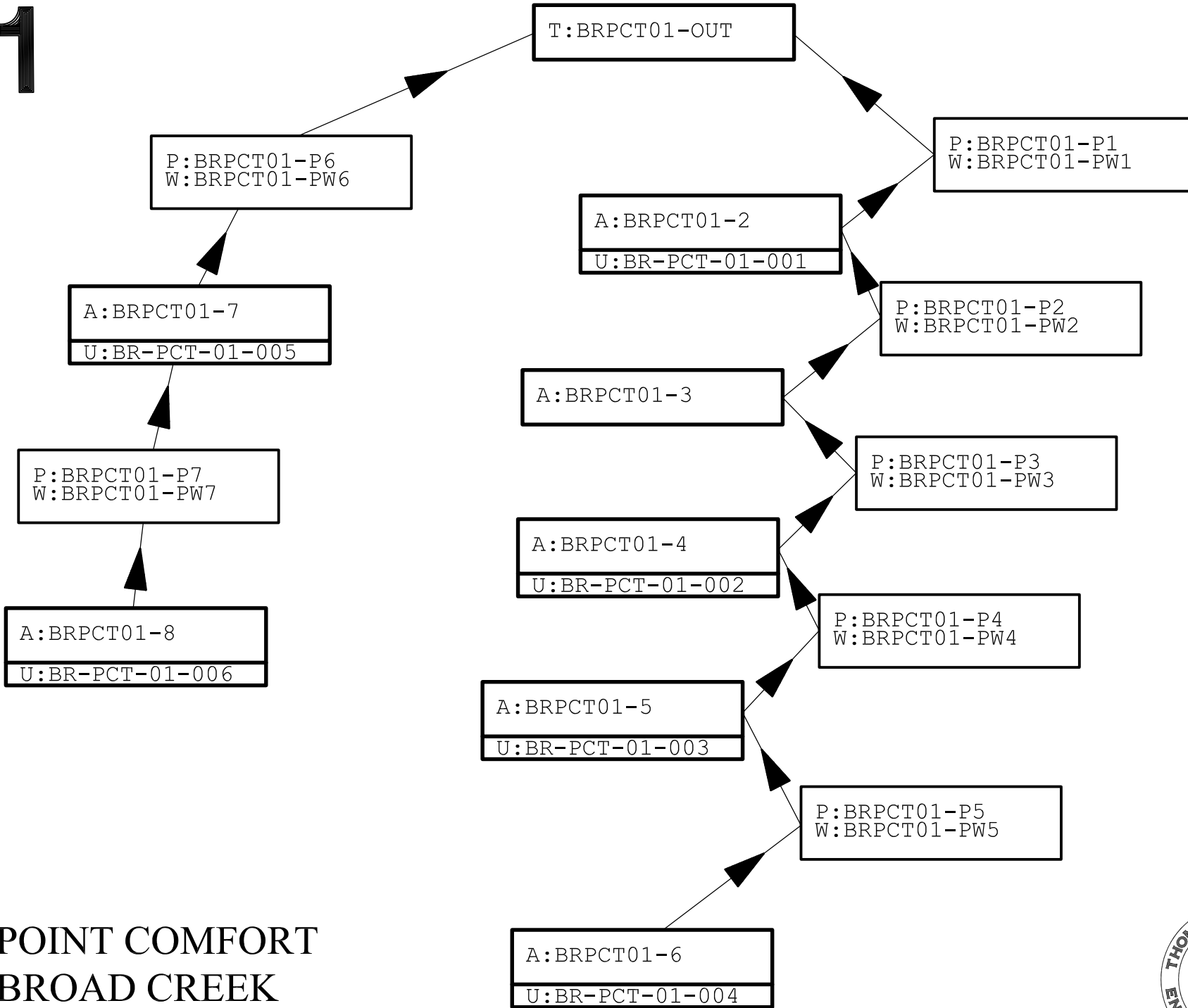




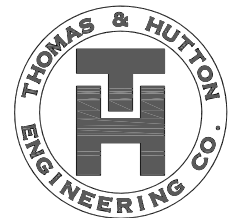
POINT COMFORT  
 BROAD CREEK  
 MAJOR BASIN 1

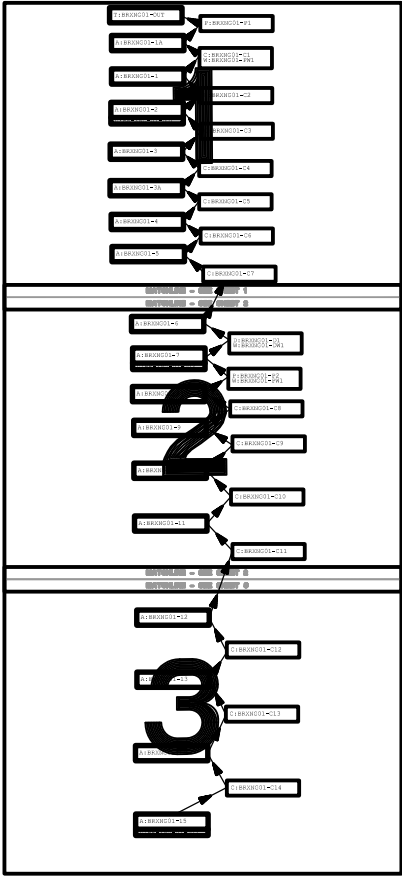


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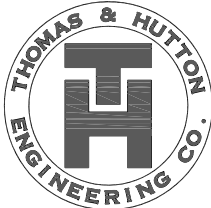


POINT COMFORT  
BROAD CREEK  
MAJOR BASIN 1



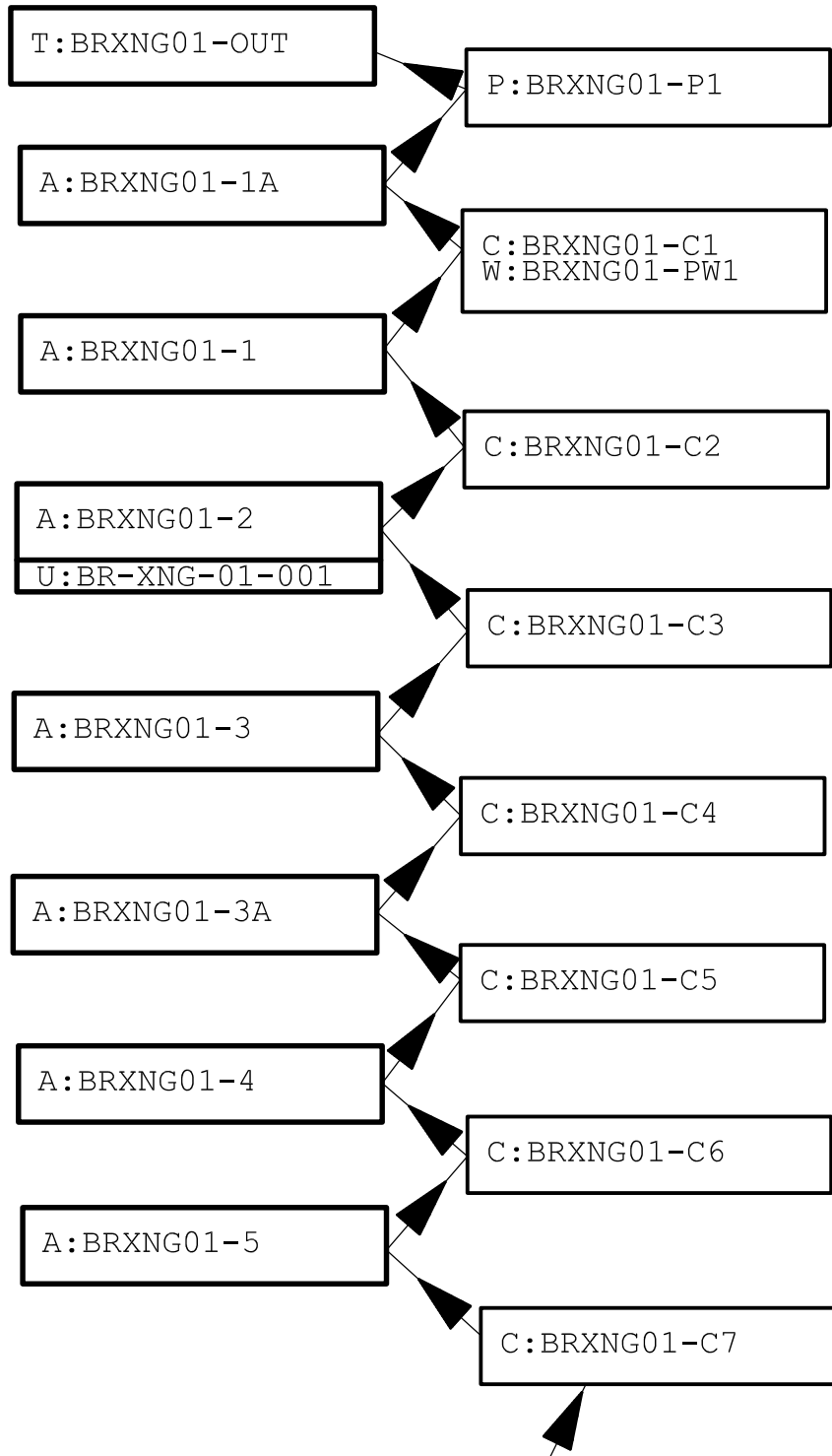


CROSSINGS  
 BROAD CREEK  
 MAJOR BASIN 1

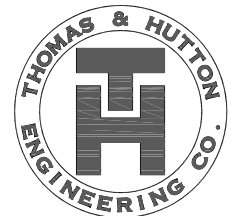




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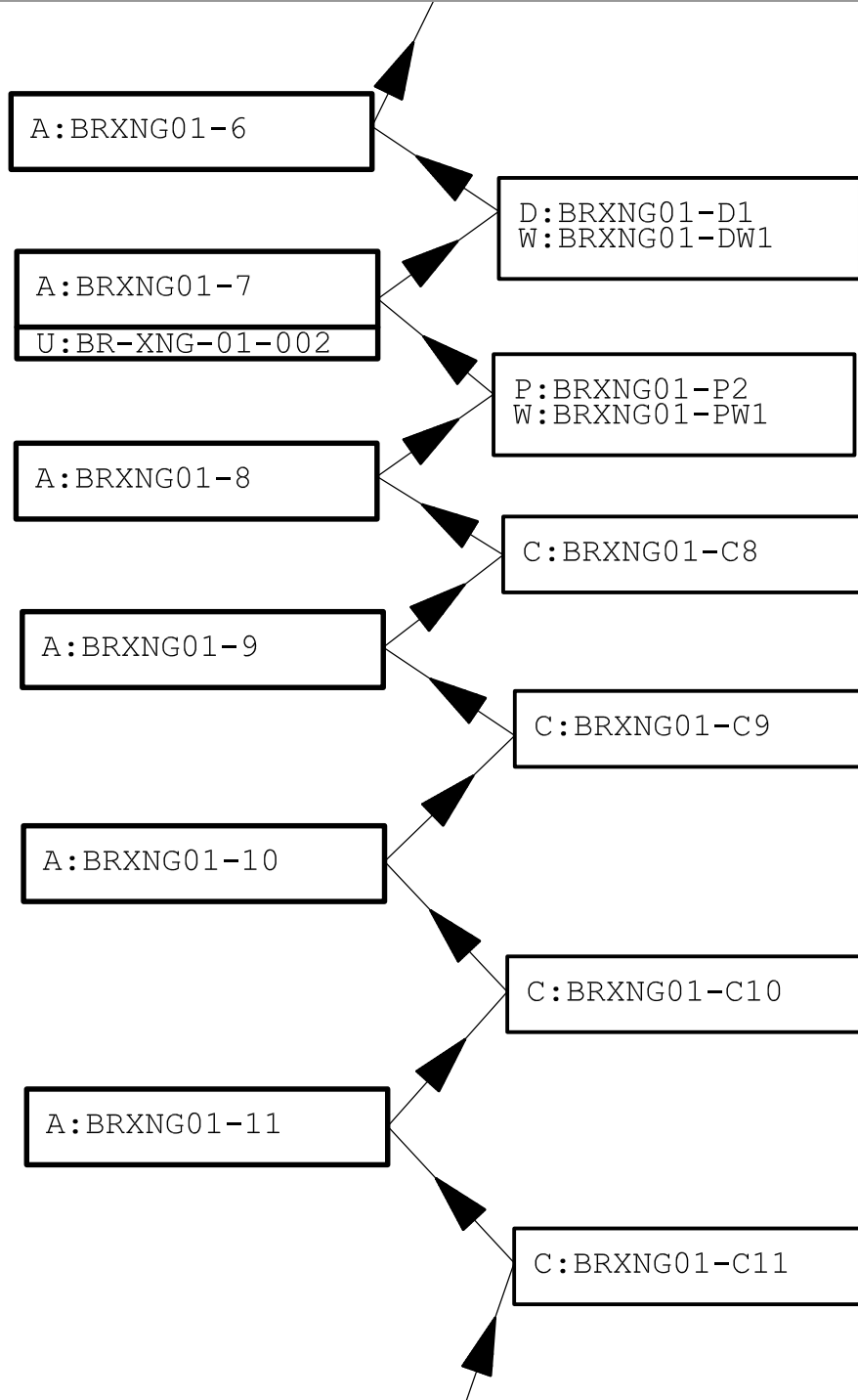


CROSSINGS  
BROAD CREEK  
MAJOR BASIN 1

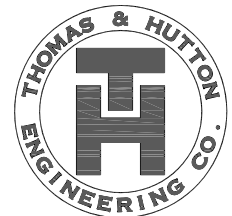


MATCHLINE - SEE SHEET 2

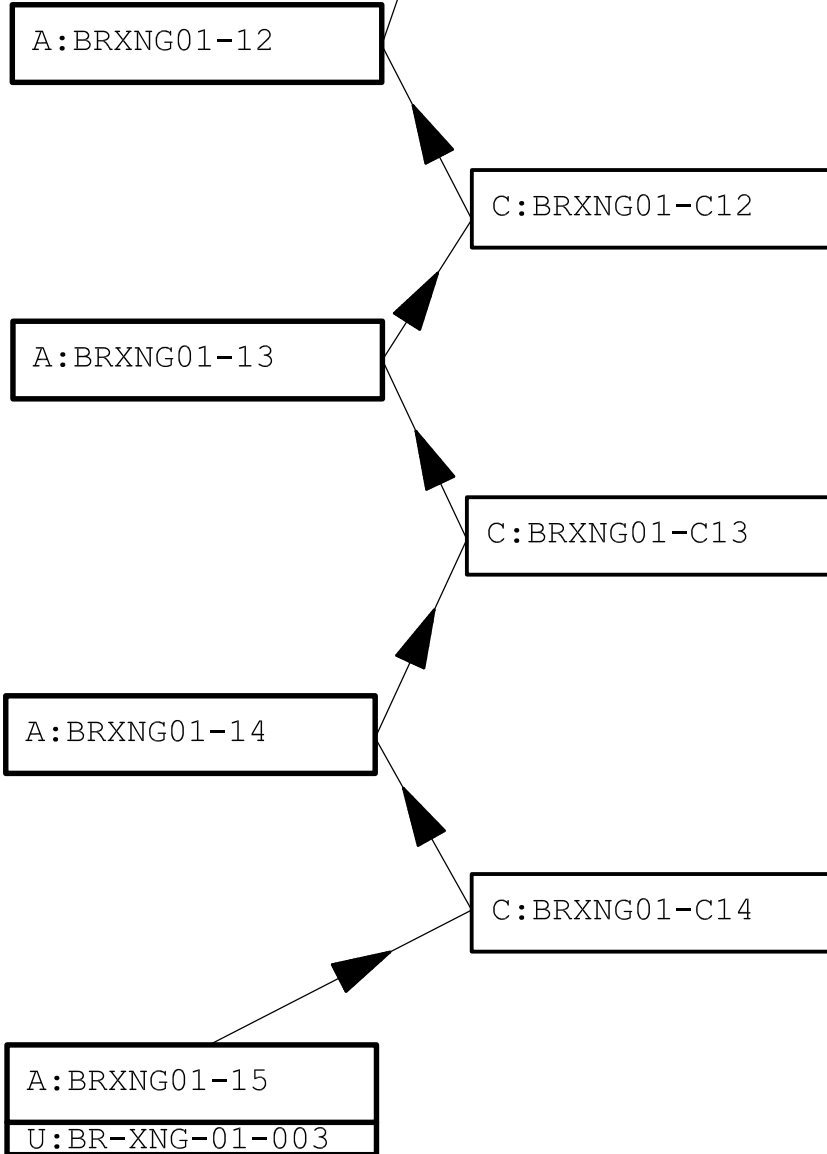
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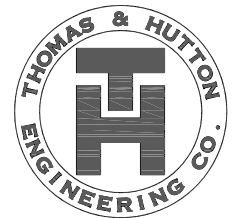
CROSSINGS  
BROAD CREEK  
MAJOR BASIN 1



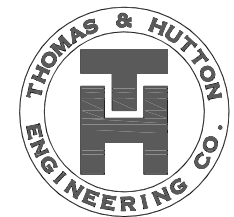
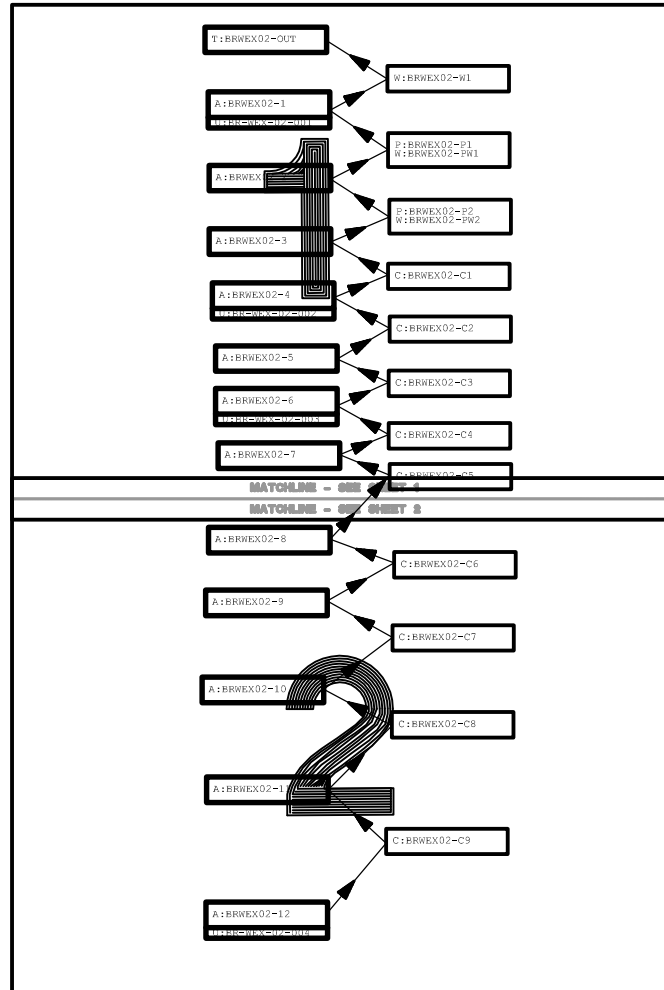
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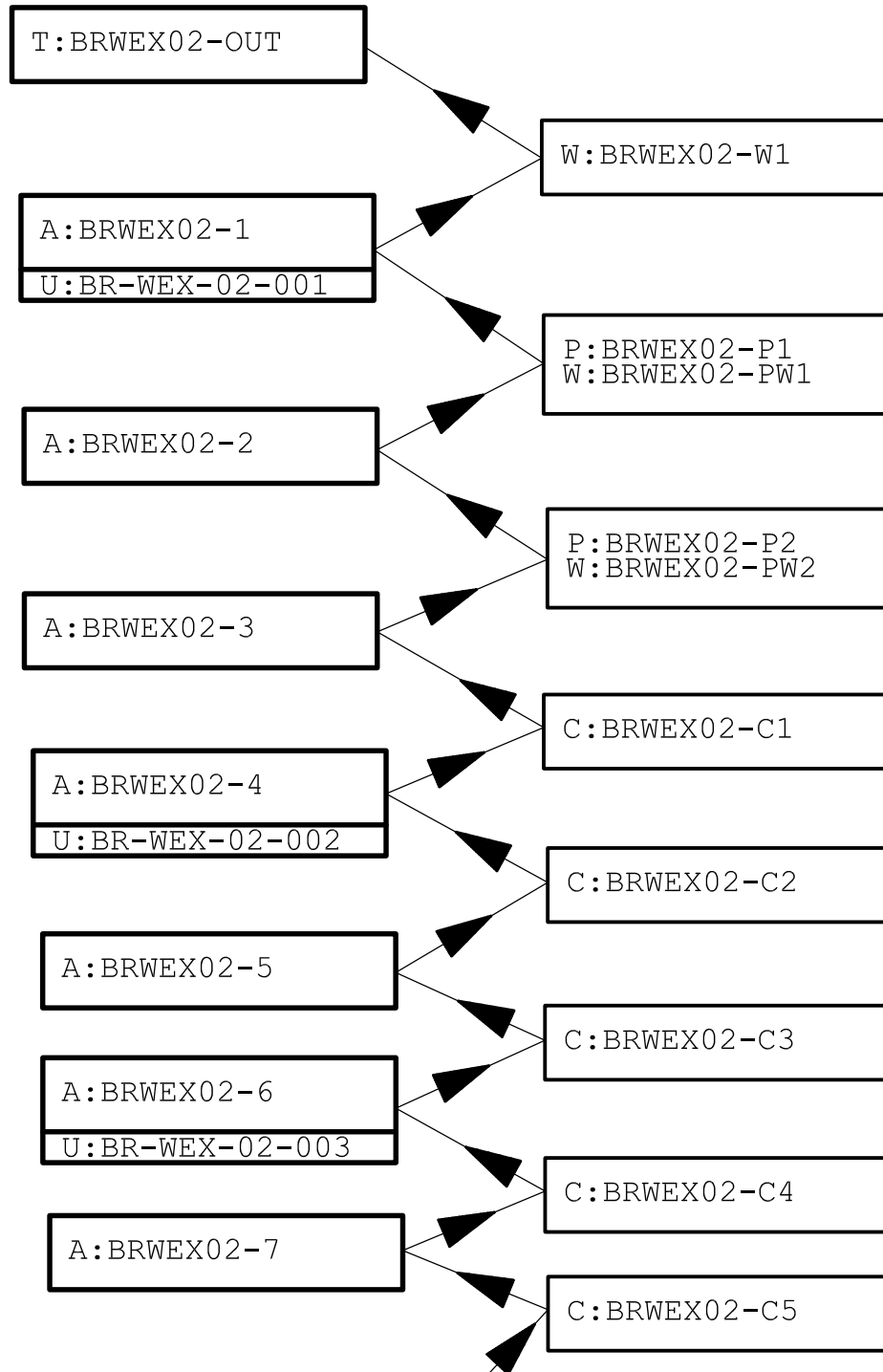
CROSSINGS  
BROAD CREEK  
MAJOR BASIN 1



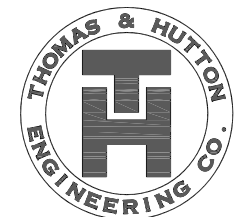
WEXFORD  
 BROAD CREEK  
 MAJOR BASIN 2



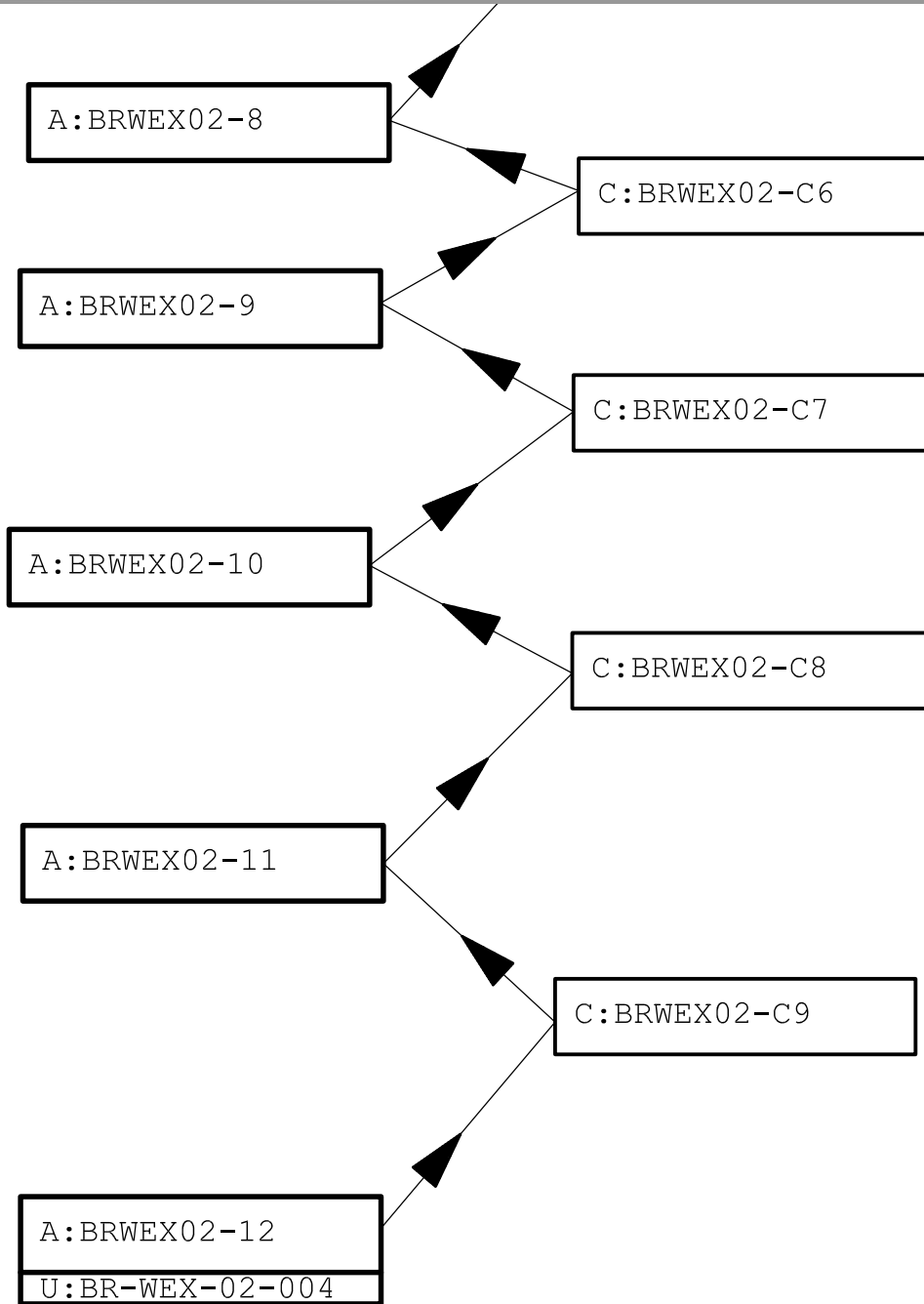
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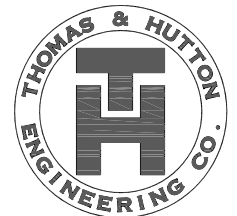
WEXFORD  
BROAD CREEK  
MAJOR BASIN 2



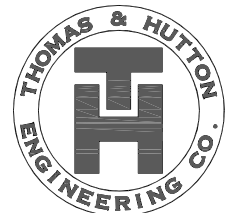
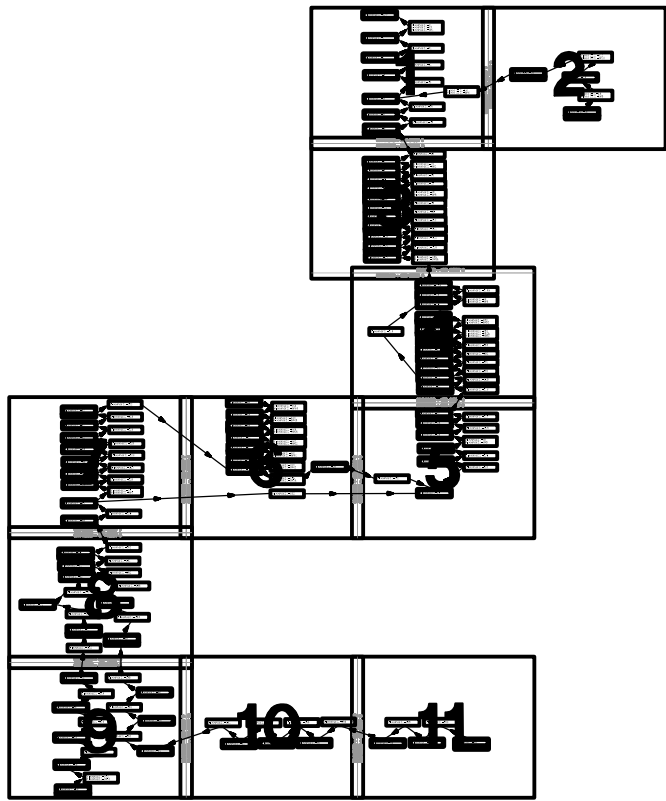
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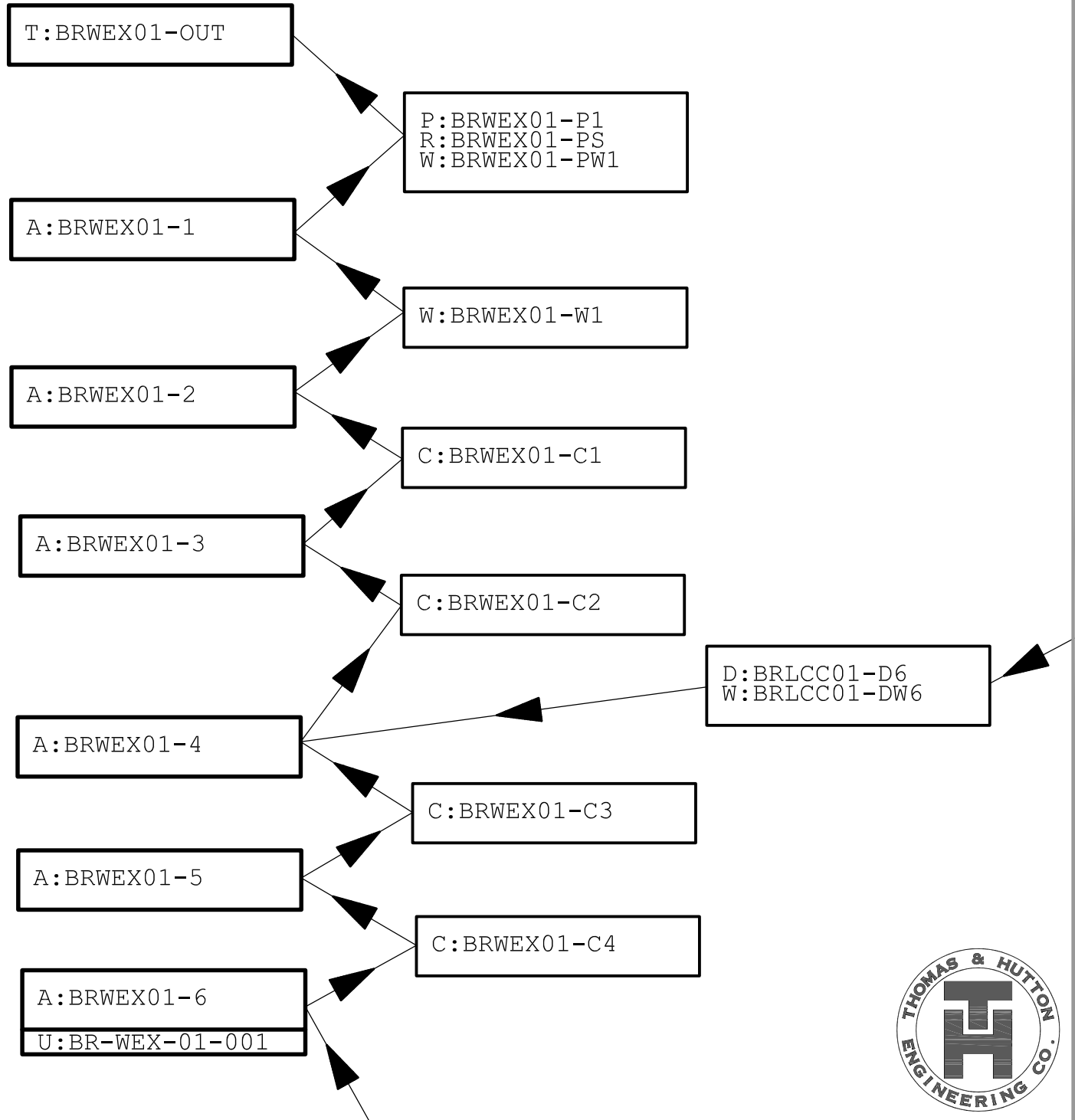
WEXFORD  
BROAD CREEK  
MAJOR BASIN 2



WEXFORD  
BROAD CREEK  
MAJOR BASIN 1



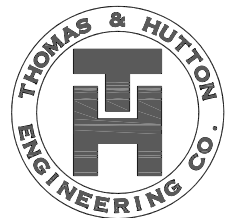
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WEXFORD  
BROAD CREEK  
MAJOR BASIN 1

MATCHLINE - SEE SHEET 2

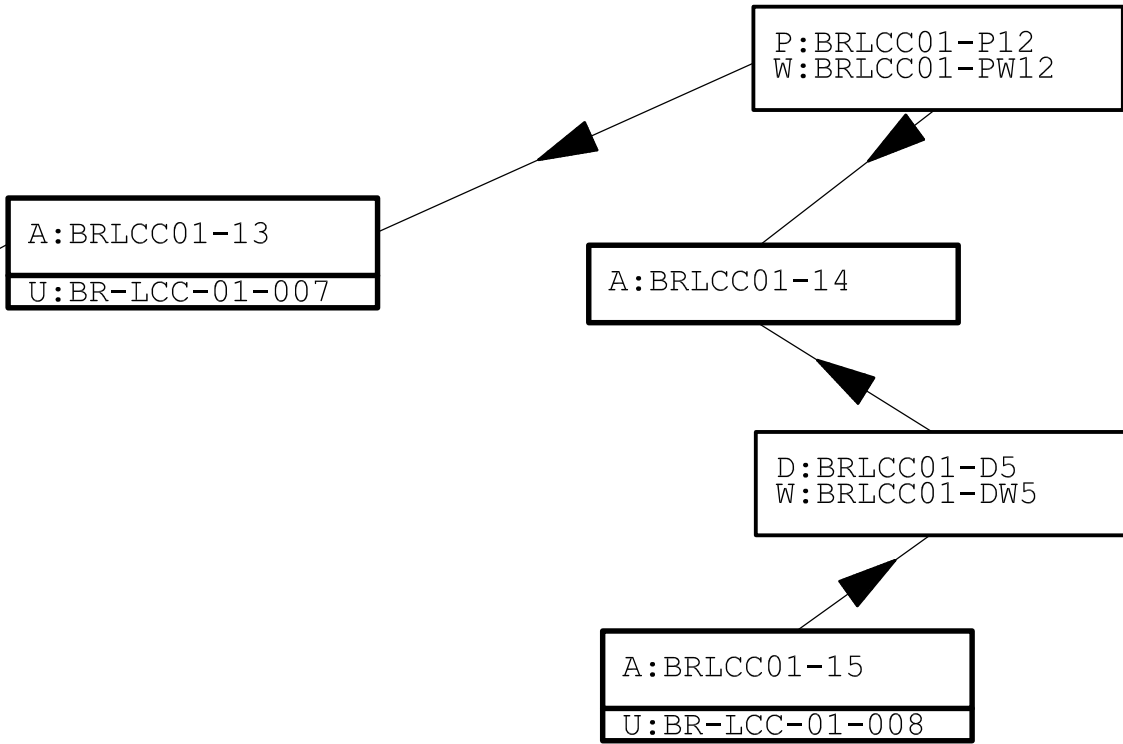
MATCHLINE - SEE SHEET 3



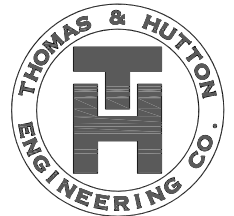


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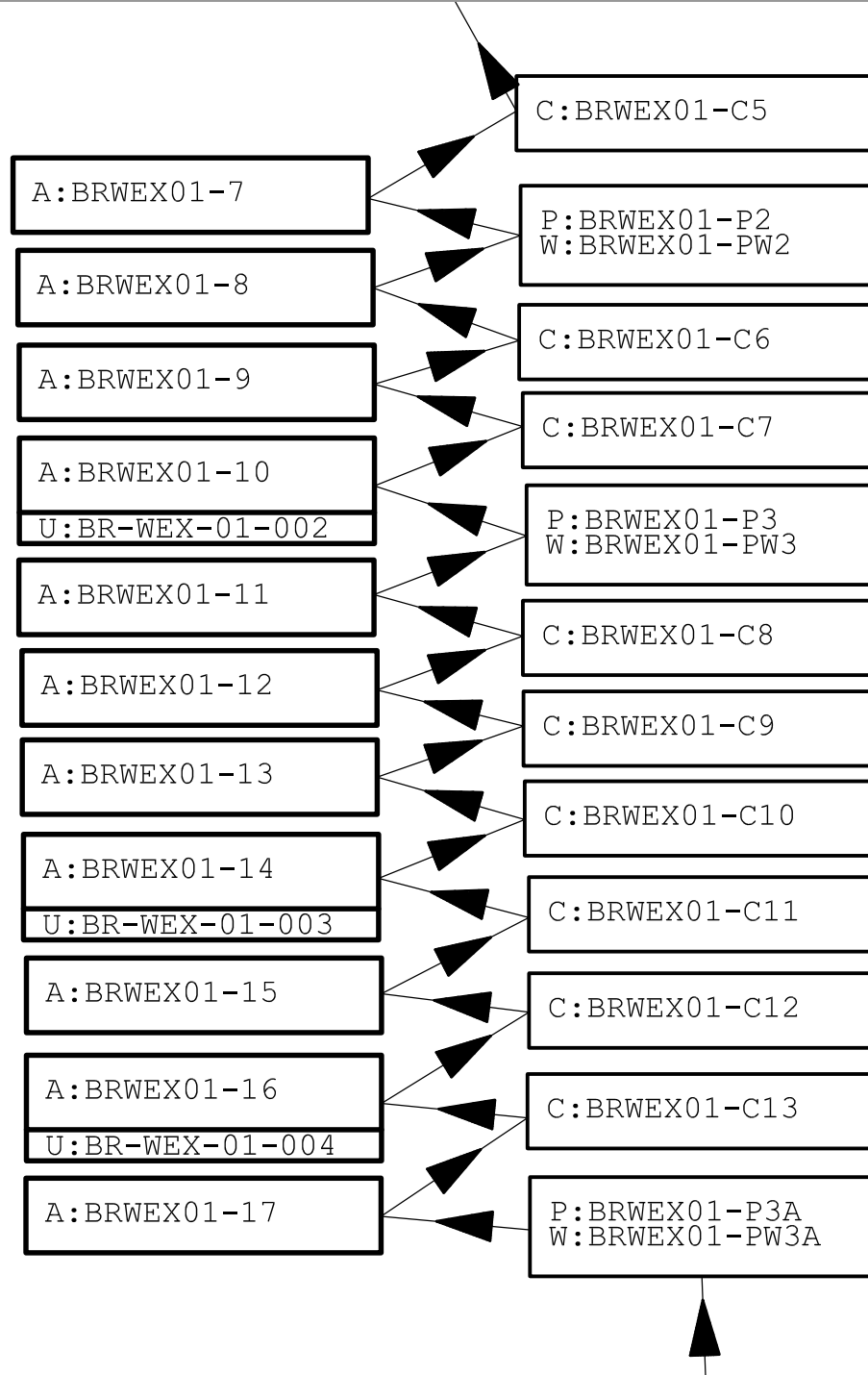
MATCHLINE - SEE SHEET 1



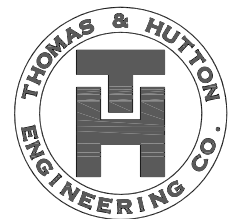
WEXFORD  
BROAD CREEK  
MAJOR BASIN 1



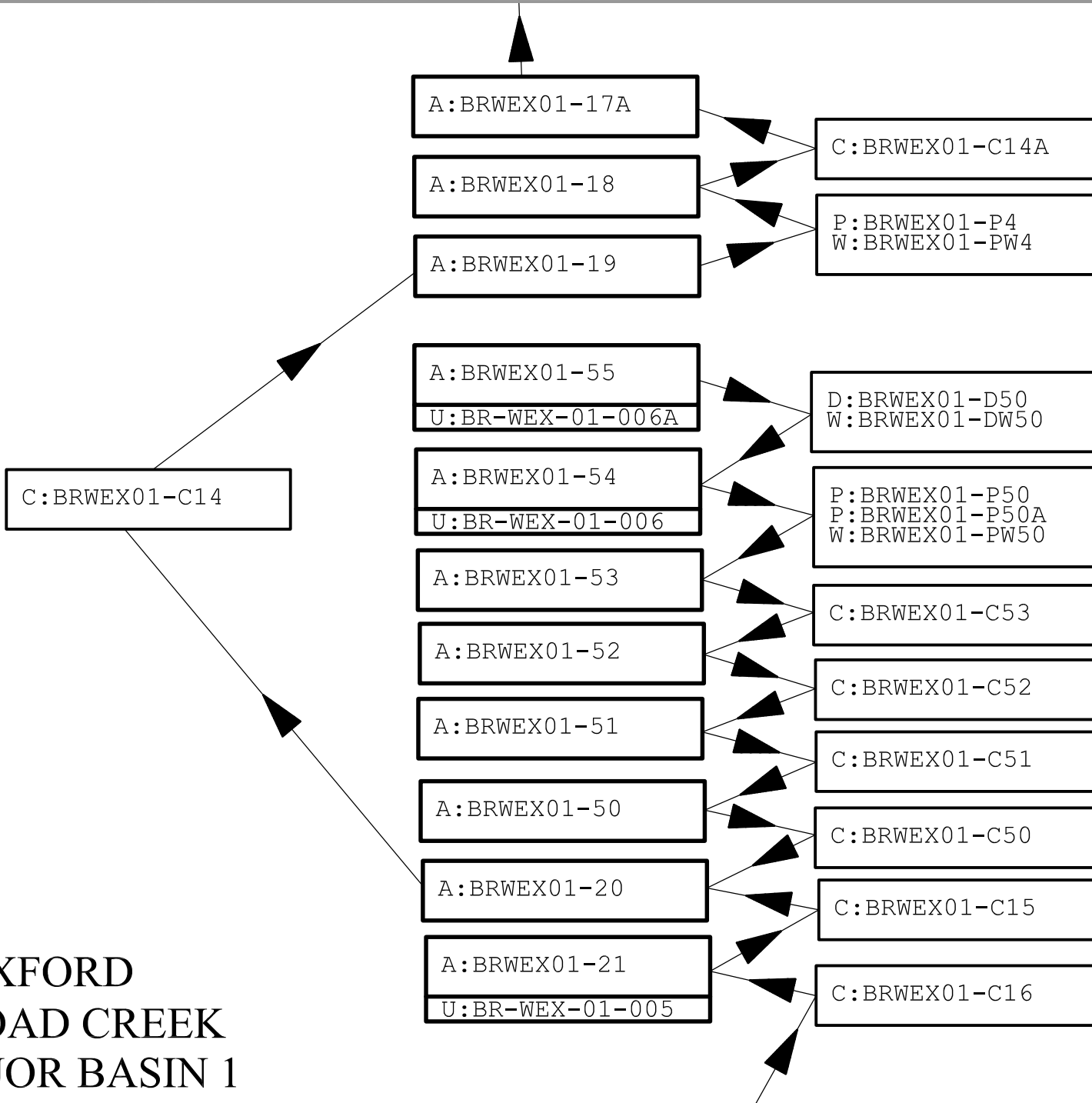
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WEXFORD  
BROAD CREEK  
MAJOR BASIN 1



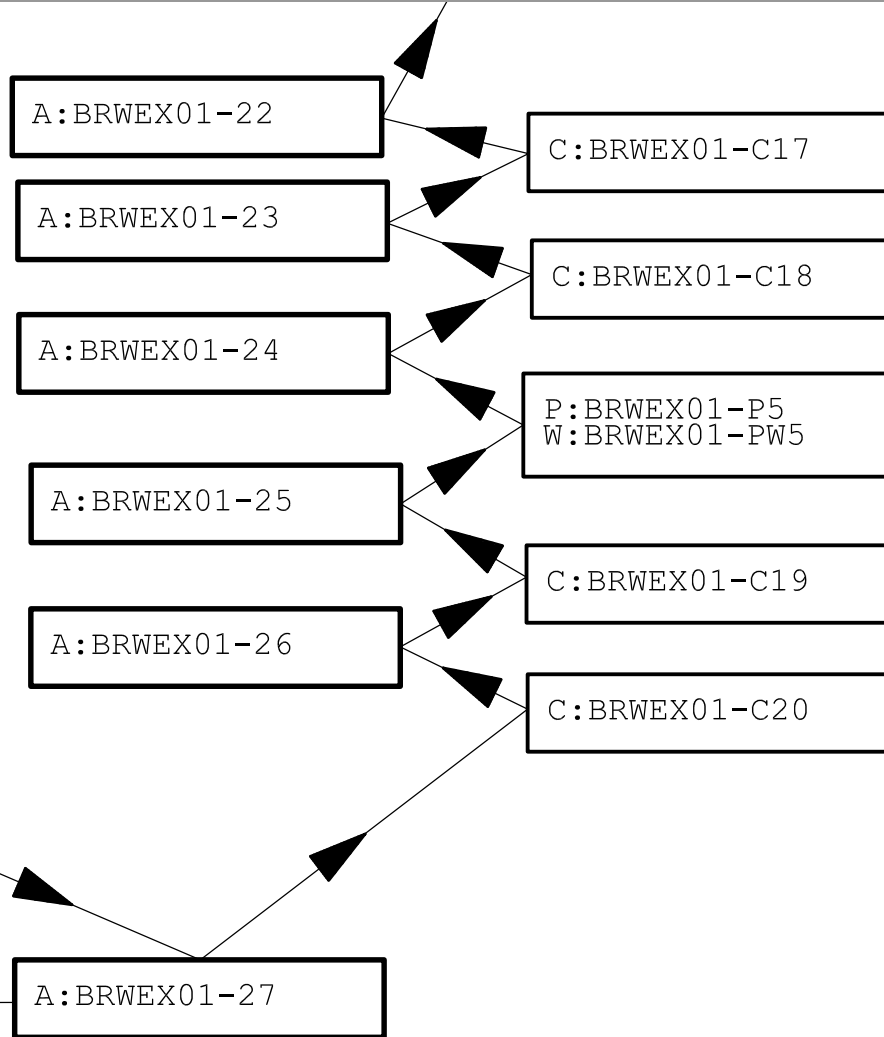
4



WEXFORD  
BROAD CREEK  
MAJOR BASIN 1

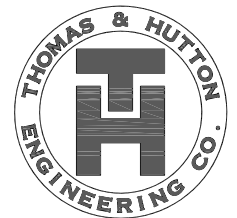


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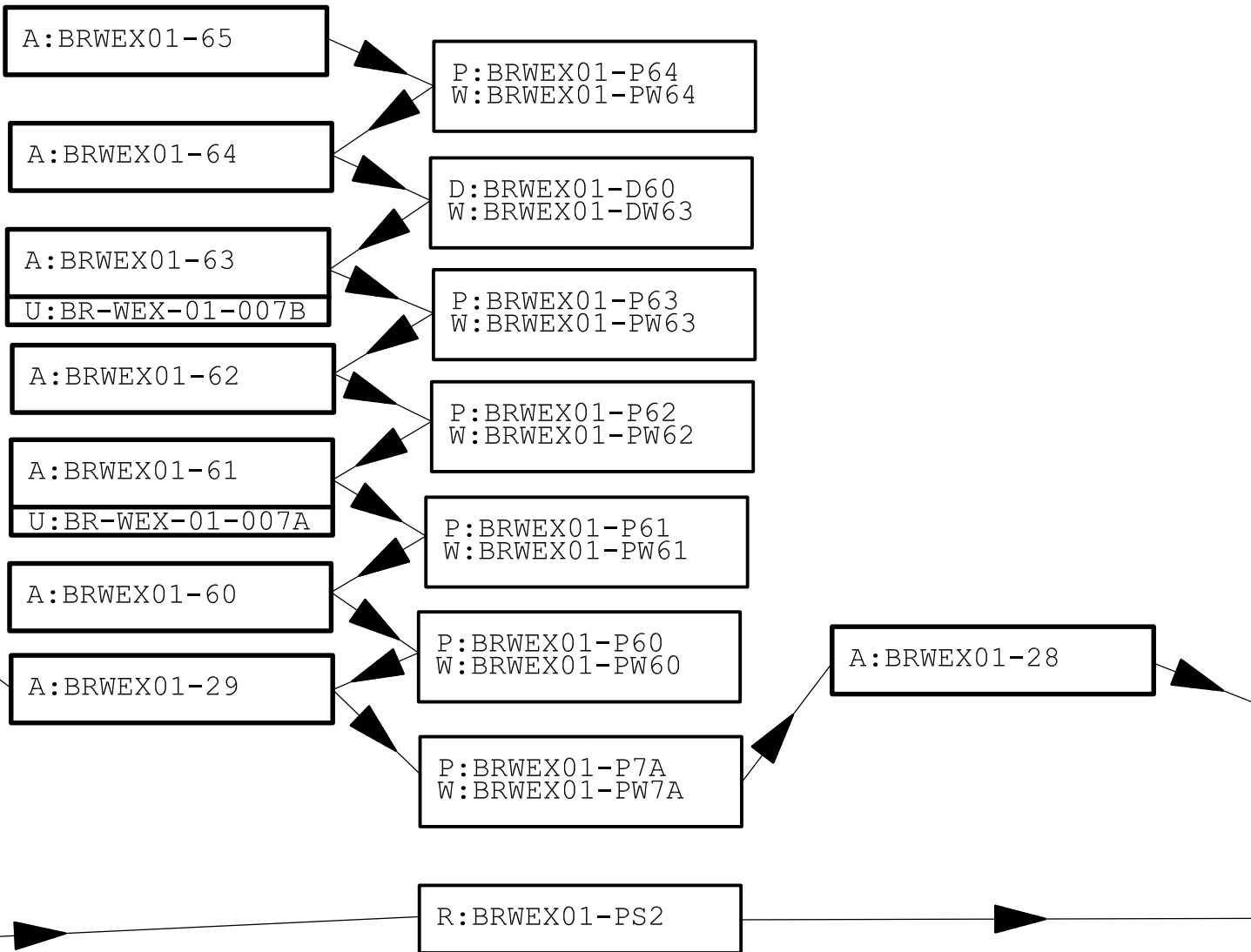


MATCHLINE - SEE SHEET 6

WEXFORD  
BROAD CREEK  
MAJOR BASIN 1



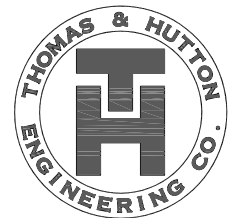
6



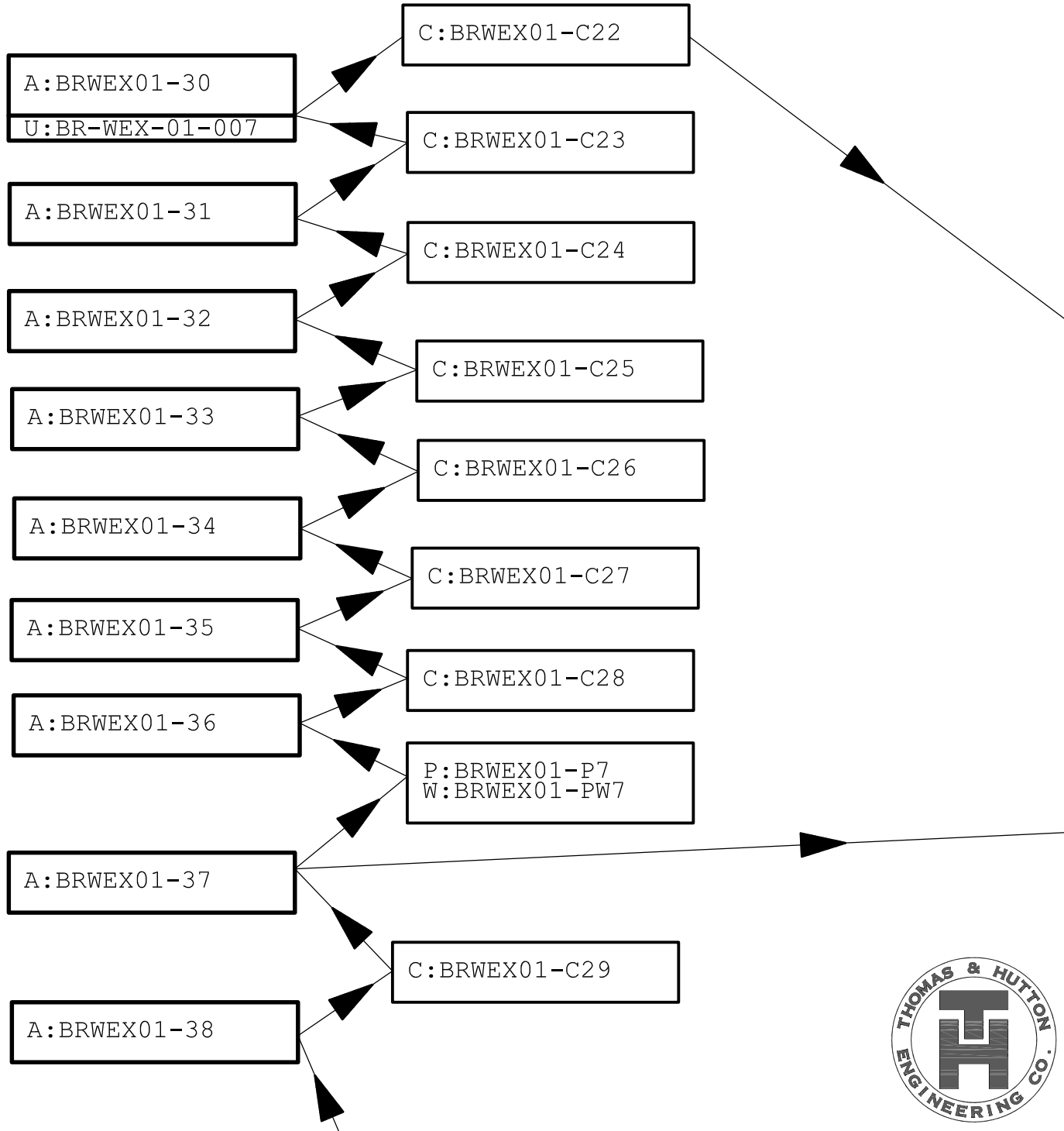
MATCHLINE - SEE SHEET 7

MATCHLINE - SEE SHEET 5

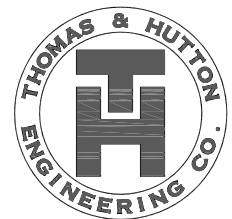
WEXFORD  
BROAD CREEK  
MAJOR BASIN 1



7



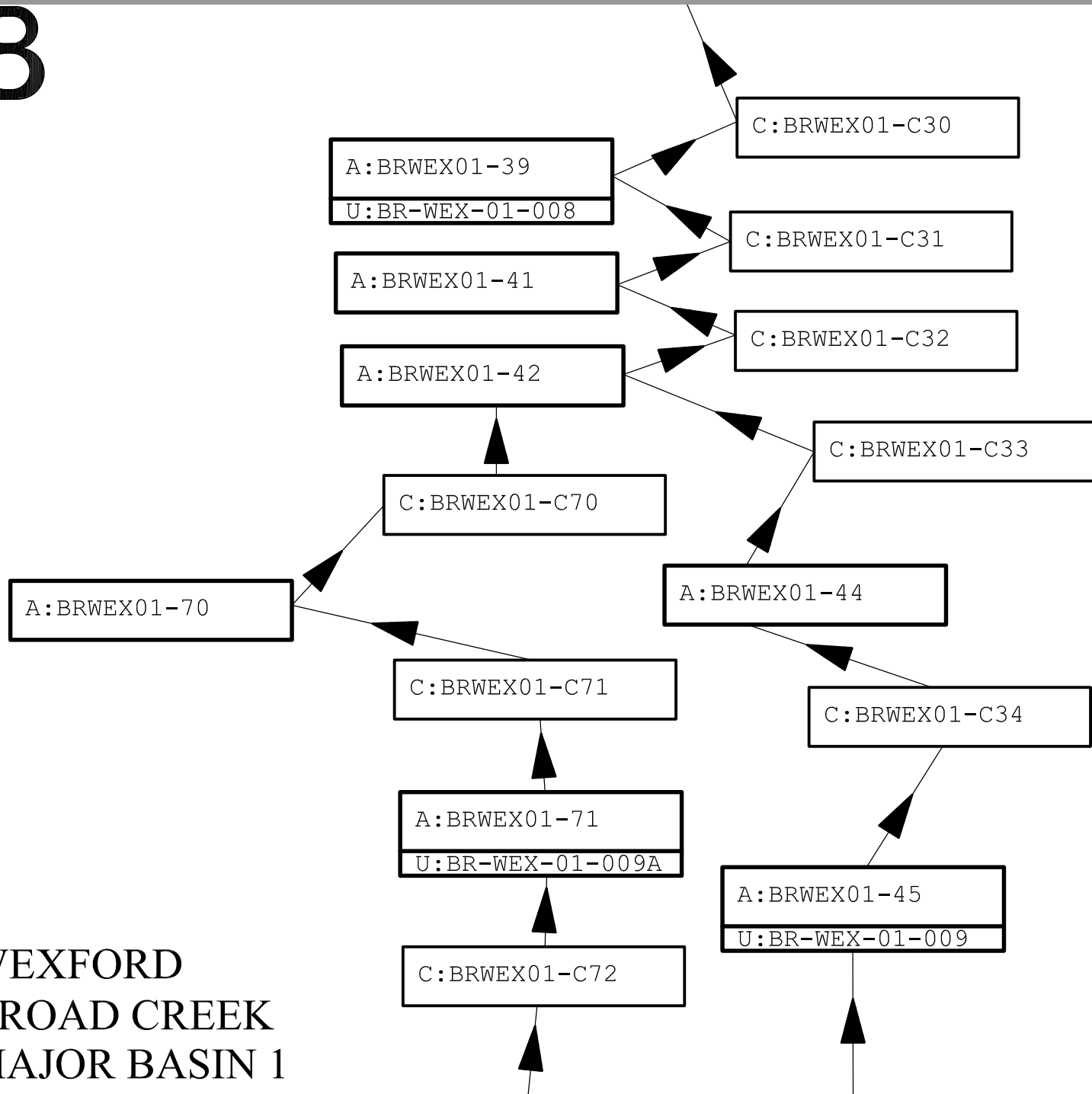
WEXFORD  
BROAD CREEK  
MAJOR BASIN 1



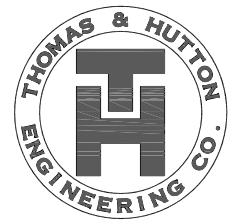
MATCHLINE - SEE SHEET 6

MATCHLINE - SEE SHEET 8

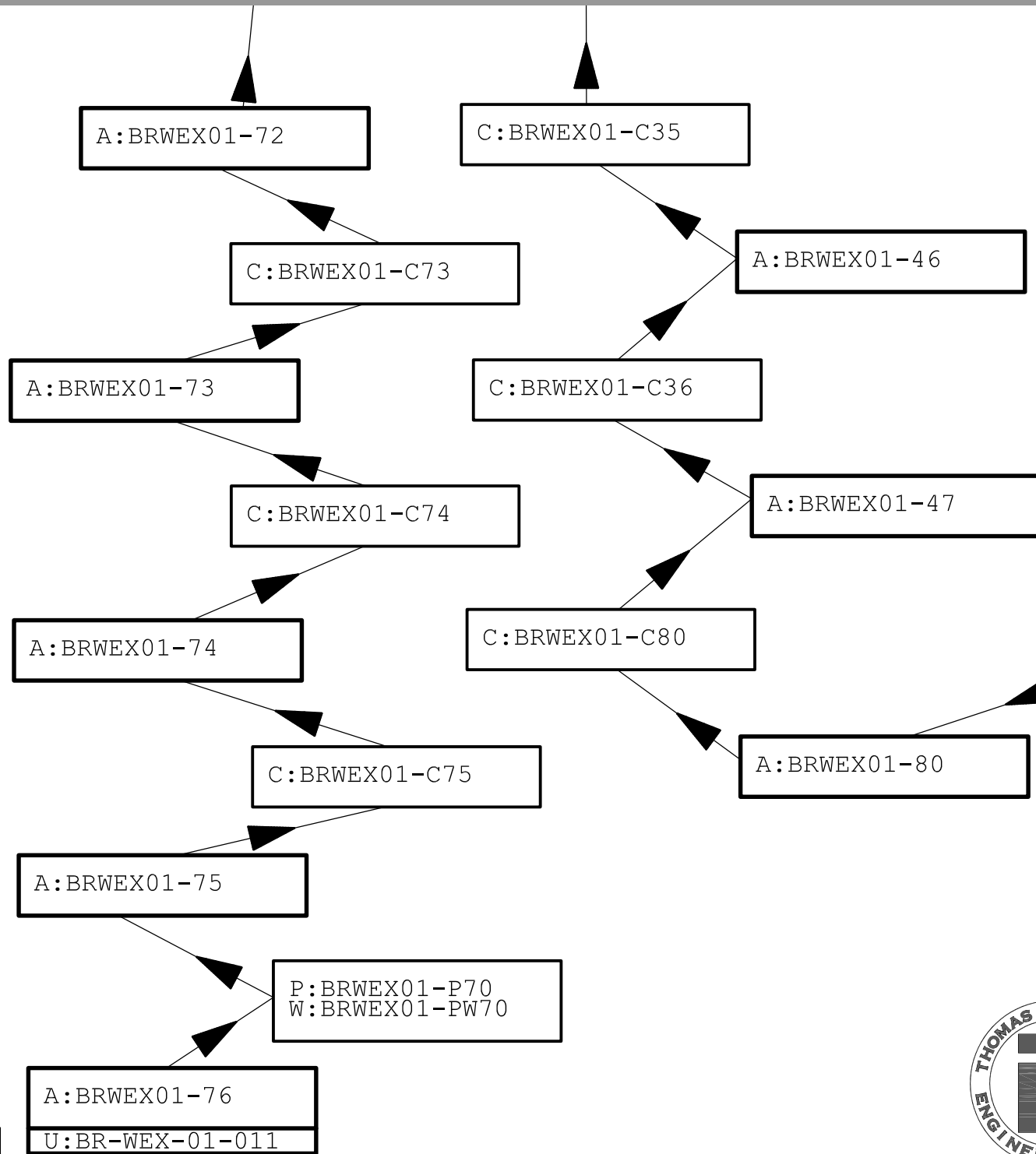
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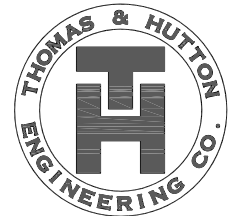
WEXFORD  
BROAD CREEK  
MAJOR BASIN 1



9



WEXFORD  
BROAD CREEK  
MAJOR BASIN 1

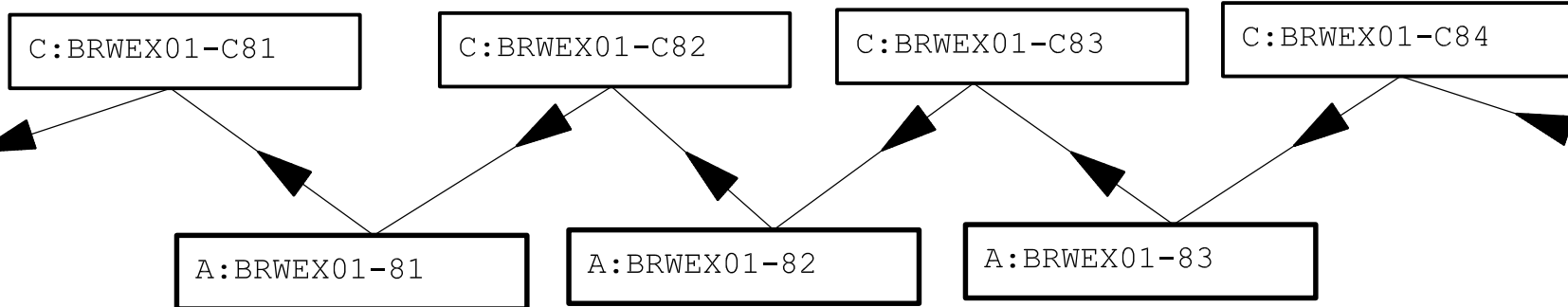




# 10

MATCHLINE - SEE SHEET 9

MATCHLINE - SEE SHEET 11

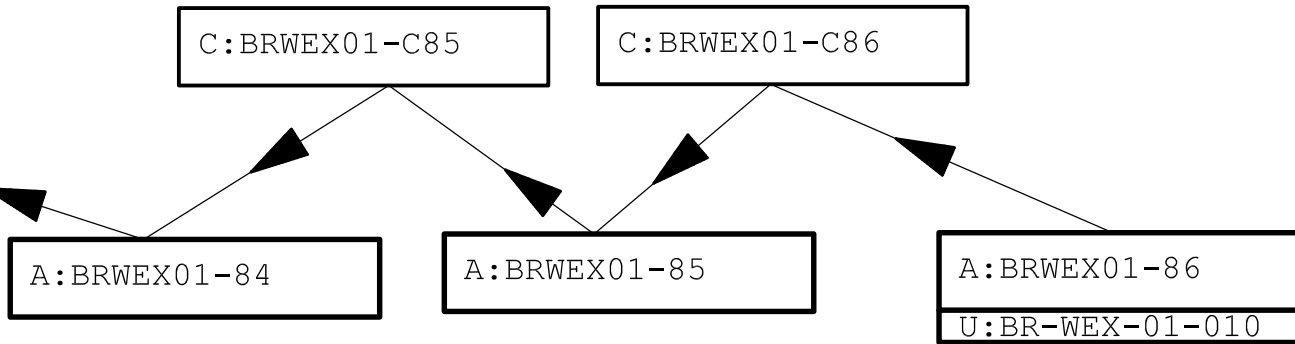


WEXFORD  
BROAD CREEK  
MAJOR BASIN 1

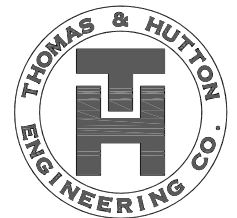


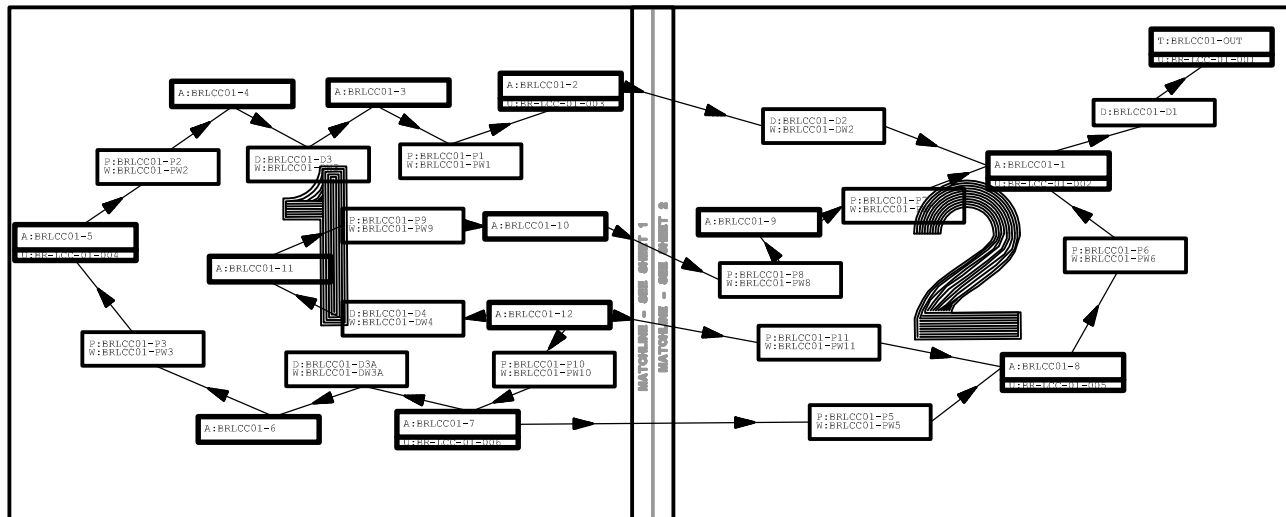
# 11

MATCHLINE - SEE SHEET 10



WEXFORD  
BROAD CREEK  
MAJOR BASIN 1

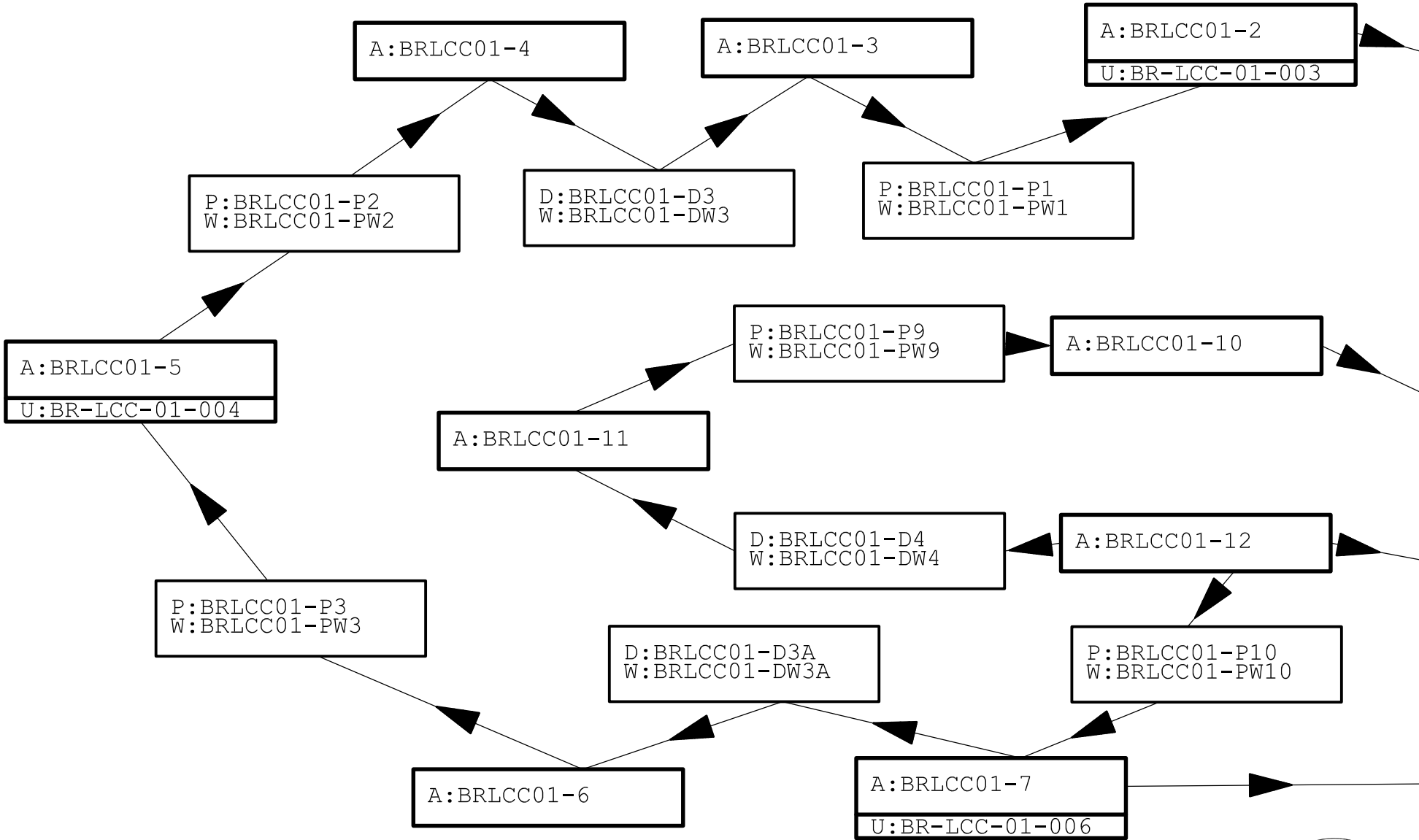




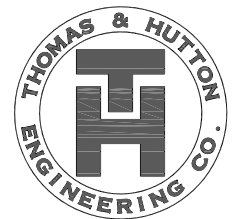
LONG COVE CLUB  
 BROAD CREEK  
 MAJOR BASIN 1



1



LONG COVE CLUB  
BROAD CREEK  
MAJOR BASIN 1

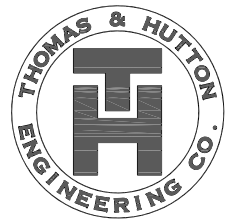
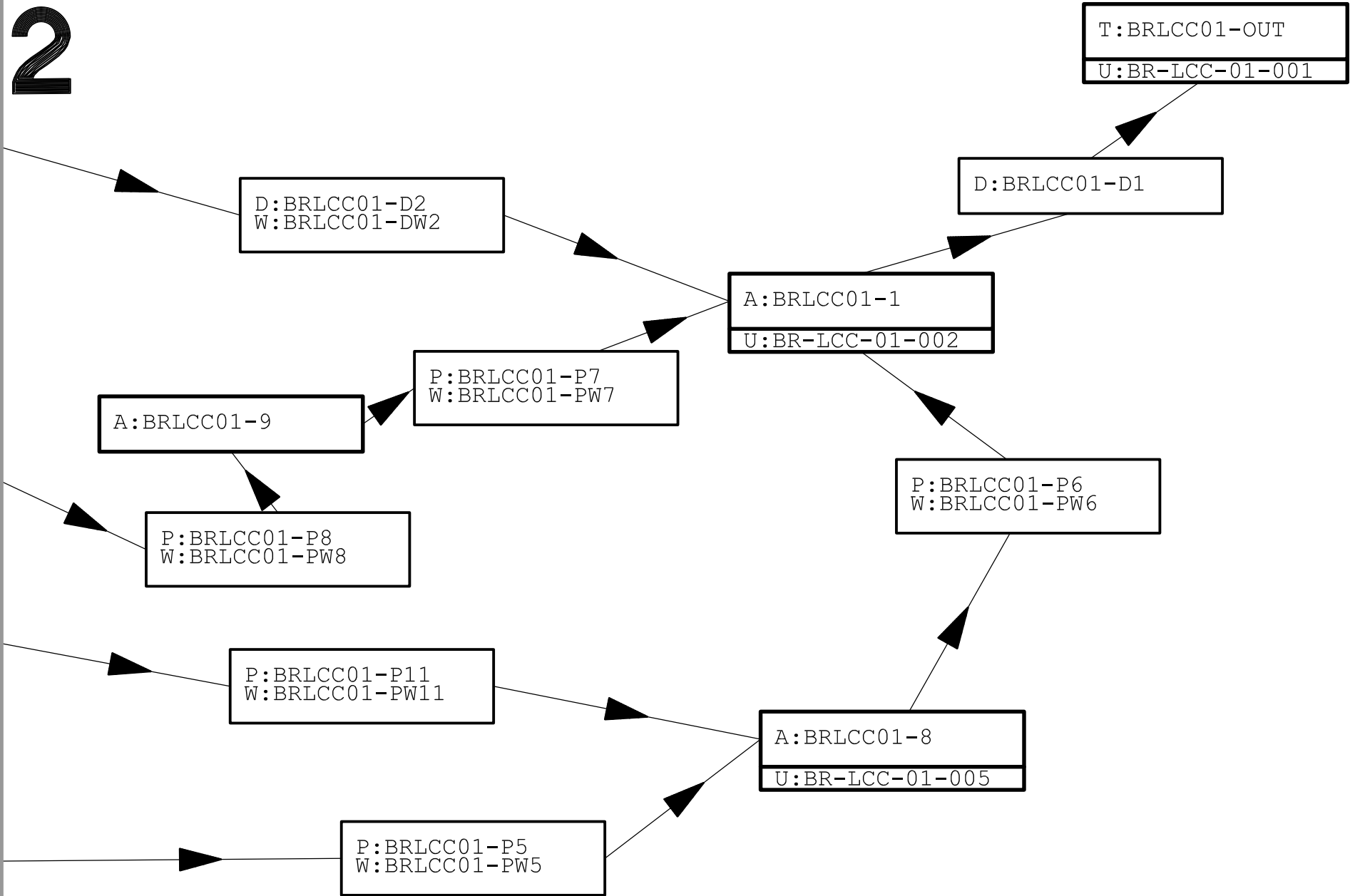


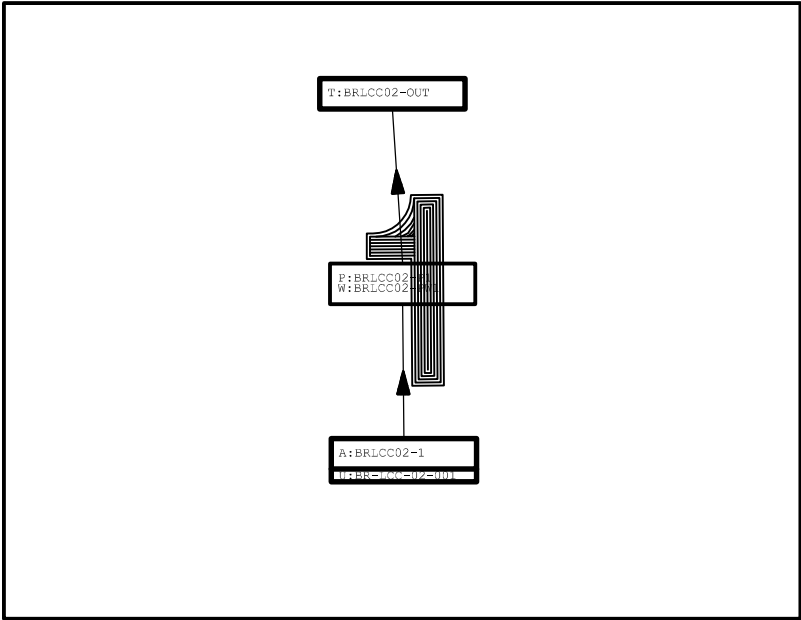
MATCHLINE - SEE SHEET 2

2

MATCHLINE - SEE SHEET 1

LONG COVE CLUB  
BROAD CREEK  
MAJOR BASIN 1

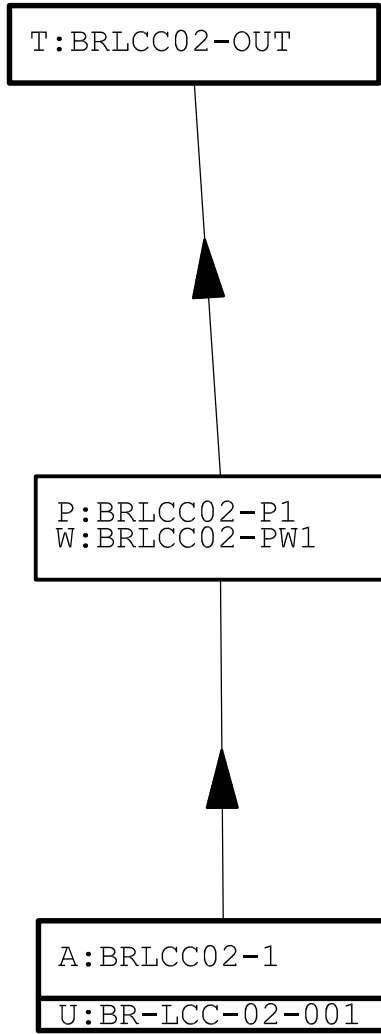




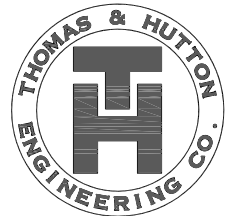
LONG COVE CLUB  
BROAD CREEK  
MAJOR BASIN 2

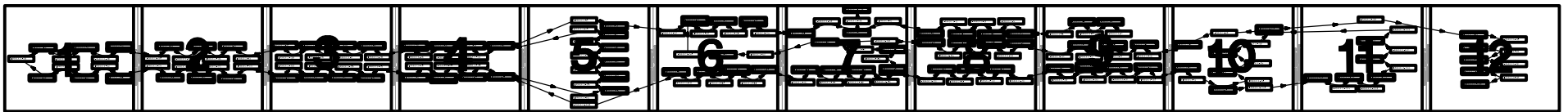


1

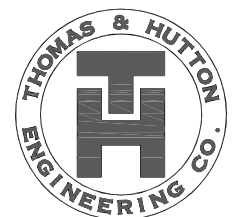


LONG COVE CLUB  
BROAD CREEK  
MAJOR BASIN 2



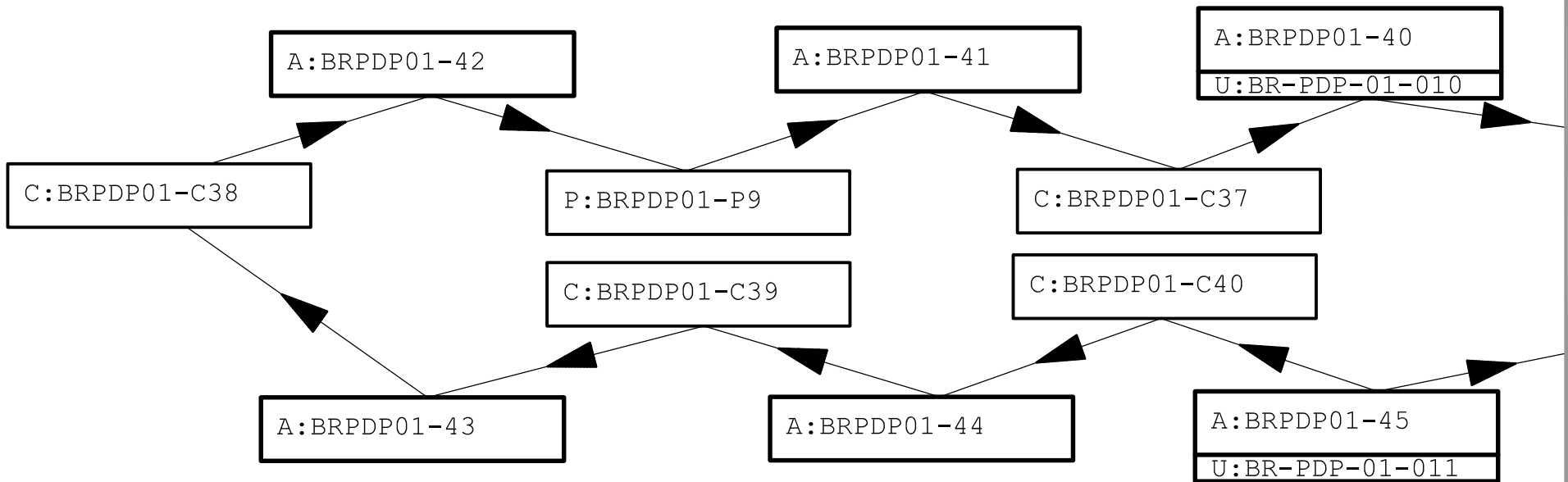


PALMETTO DUNES  
BROAD CREEK OUTFALL  
MAJOR BASIN 1



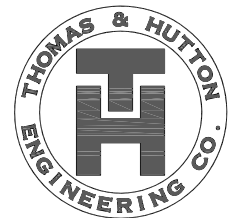


1



MATCHLINE - SEE SHEET 2

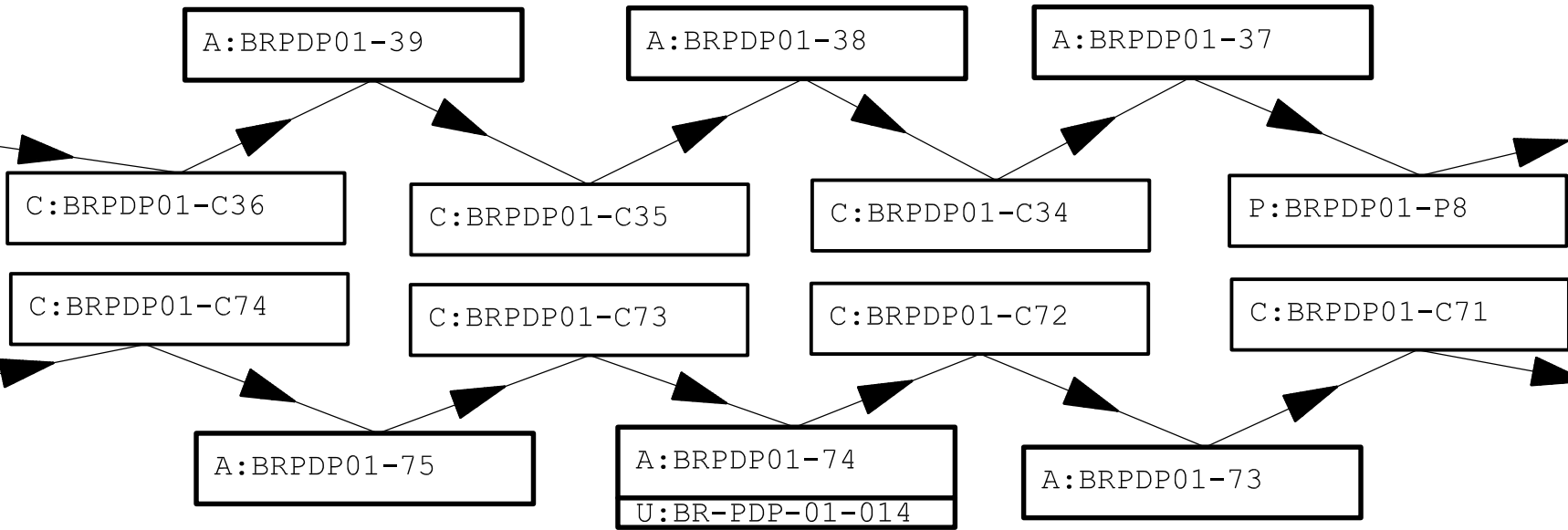
PALMETTO DUNES  
BROAD CREEK OUTFALL  
MAJOR BASIN 1



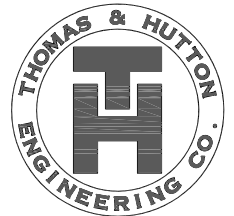
2

MATCHLINE - SEE SHEET 1

MATCHLINE - SEE SHEET 3



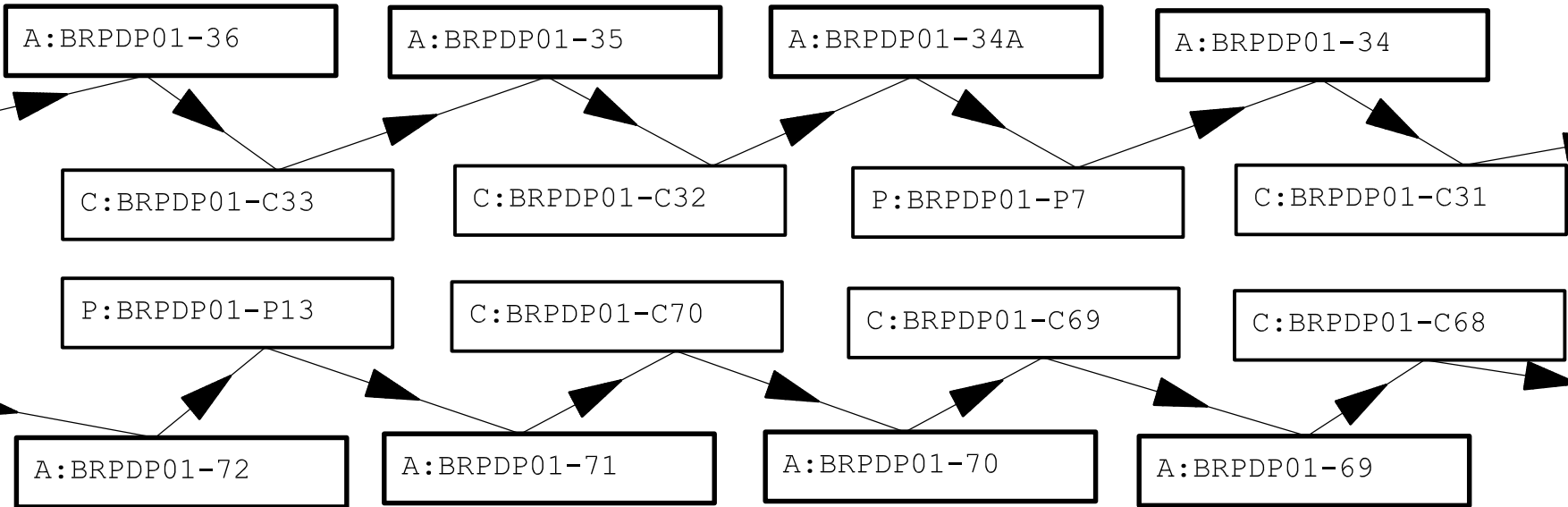
PALMETTO DUNES  
BROAD CREEK OUTFALL  
MAJOR BASIN 1



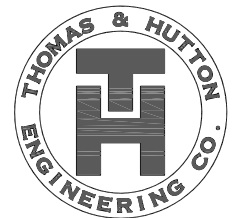
3

MATCHLINE - SEE SHEET 2

MATCHLINE - SEE SHEET 4



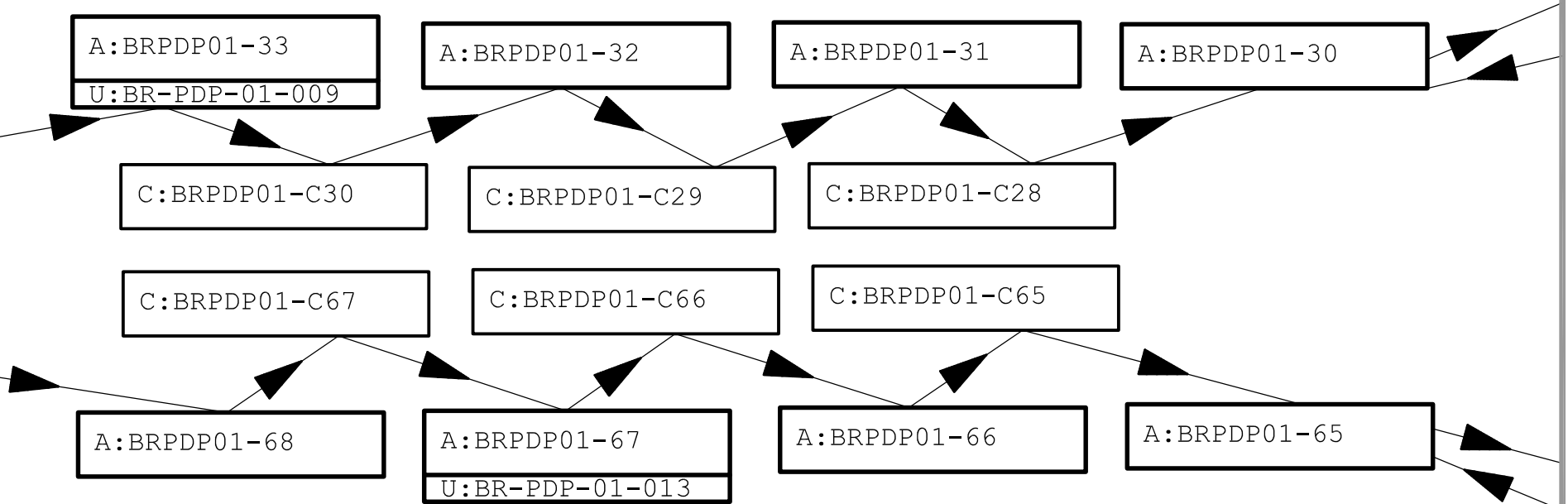
PALMETTO DUNES  
BROAD CREEK OUTFALL  
MAJOR BASIN 1



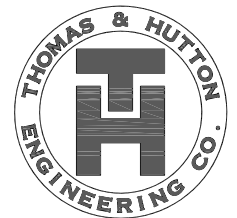
4

MATCHLINE - SEE SHEET 3

MATCHLINE - SEE SHEET 5



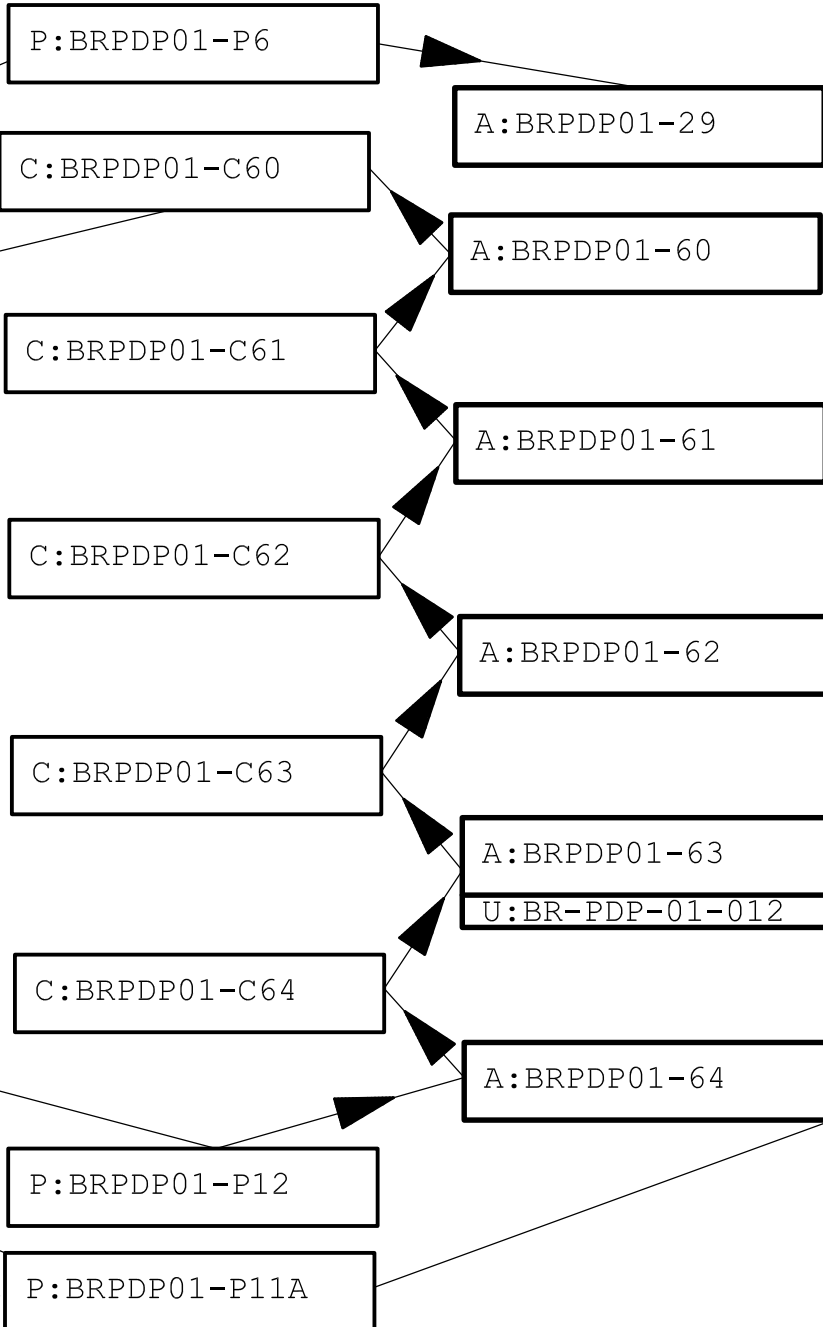
PALMETTO DUNES  
BROAD CREEK OUTFALL  
MAJOR BASIN 1



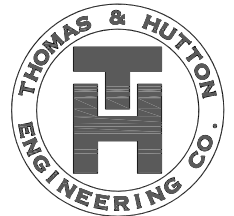
5

MATCHLINE - SEE SHEET 4

PALMETTO DUNES  
BROAD CREEK OUTFALL  
MAJOR BASIN 1



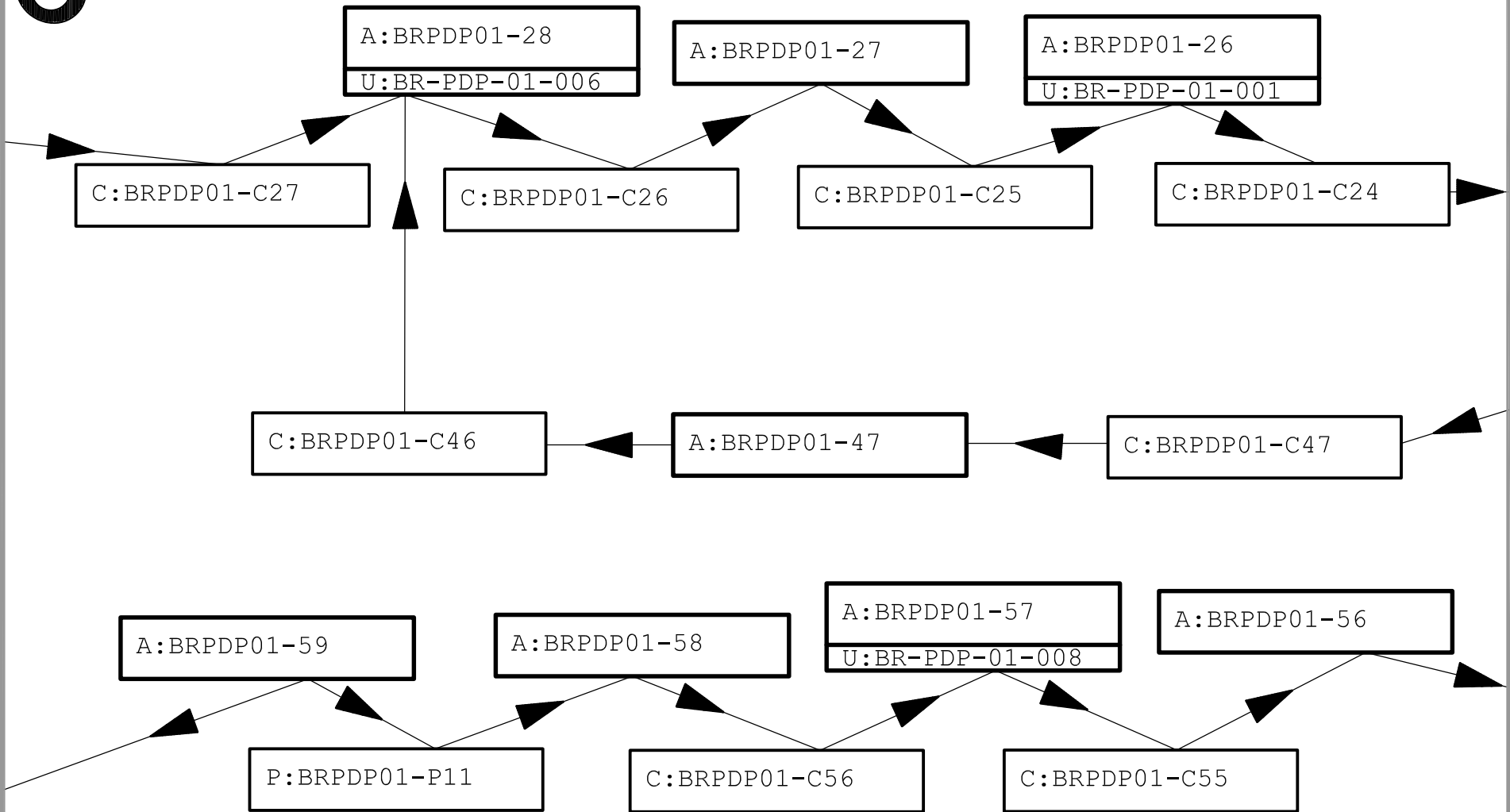
MATCHLINE - SEE SHEET 6



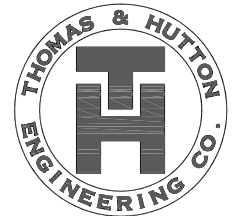
6

MATCHLINE - SEE SHEET 5

MATCHLINE - SEE SHEET 7



PALMETTO DUNES  
BROAD CREEK OUTFALL  
MAJOR BASIN 1



7

T:BRPDP01-OUTA

C:BRPDP01-C23

P:BRPDP01-P1A

P:BRPDP01-P2

A:BRPDP01-25

A:BRPDP01-1

A:BRPDP01-49

C:BRPDP01-C83

C:BRPDP01-C50

A:BRPDP01-51

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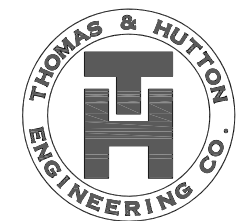
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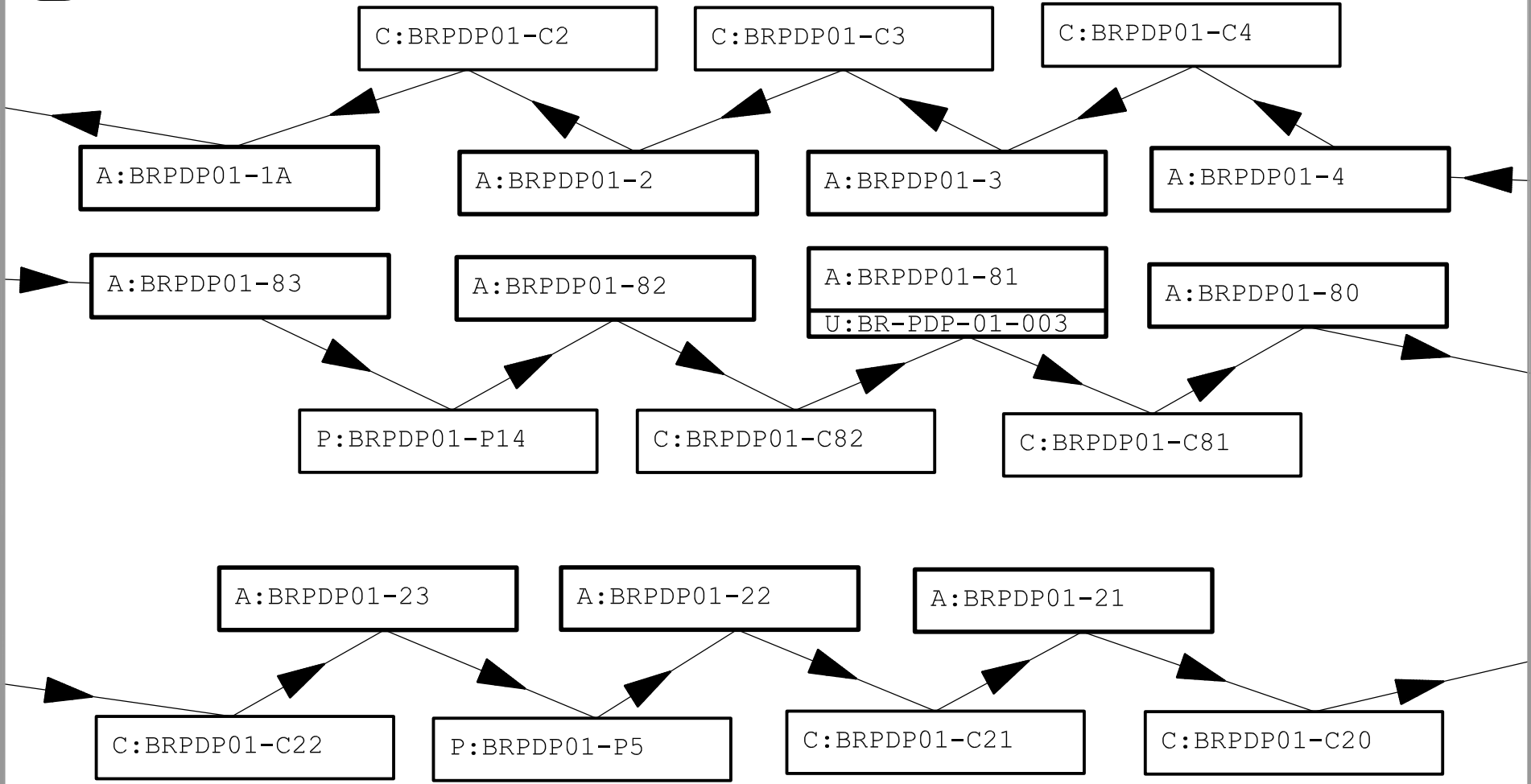
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BROAD CREEK OUTFALL  
MAJOR BASIN 1



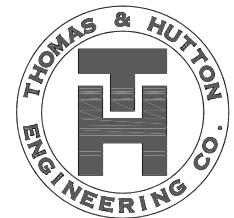
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PALMETTO DUNES  
BROAD CREEK OUTFALL  
MAJOR BASIN 1

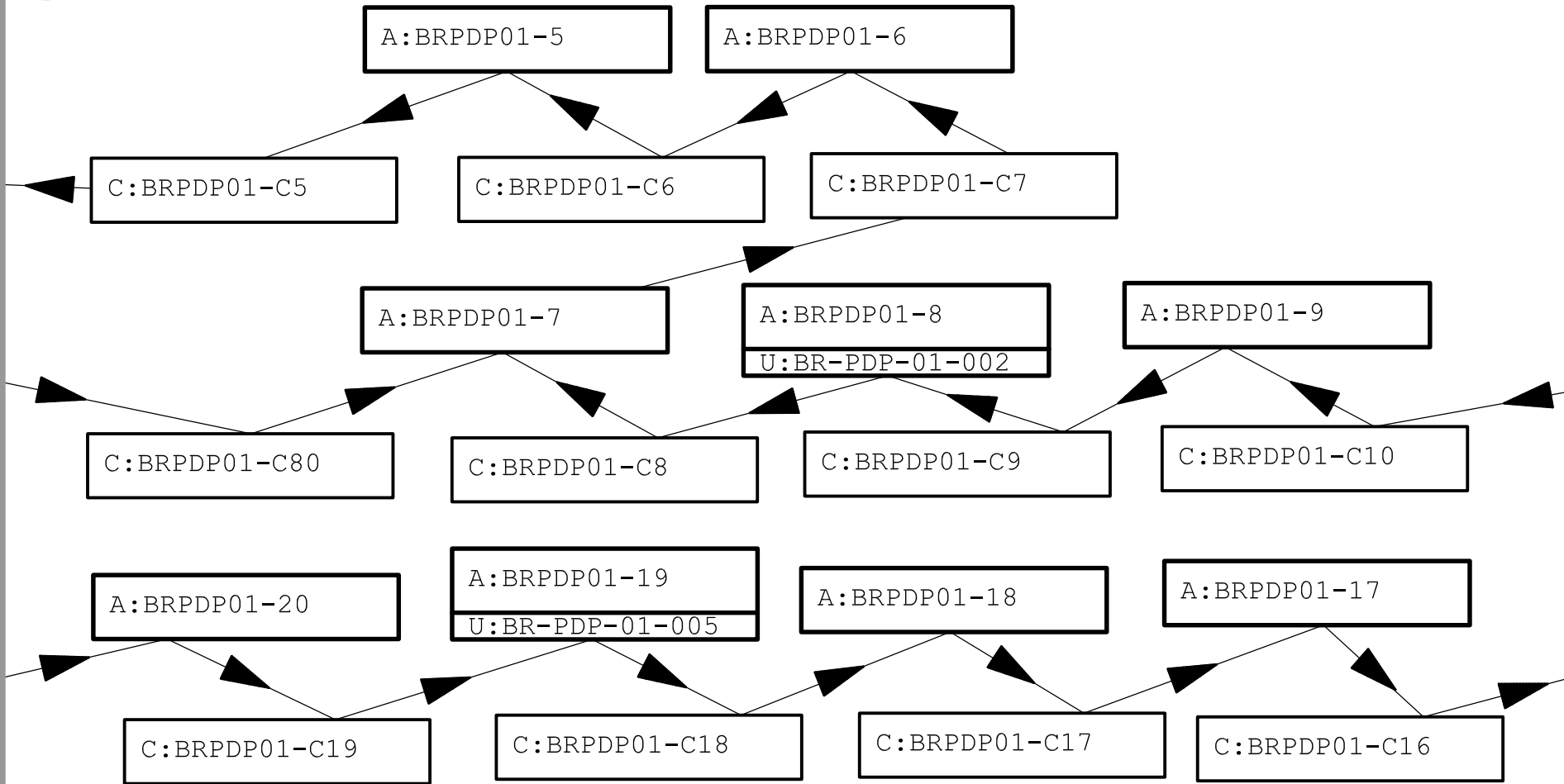




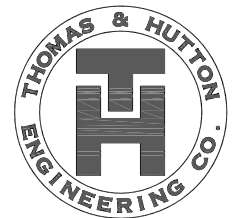
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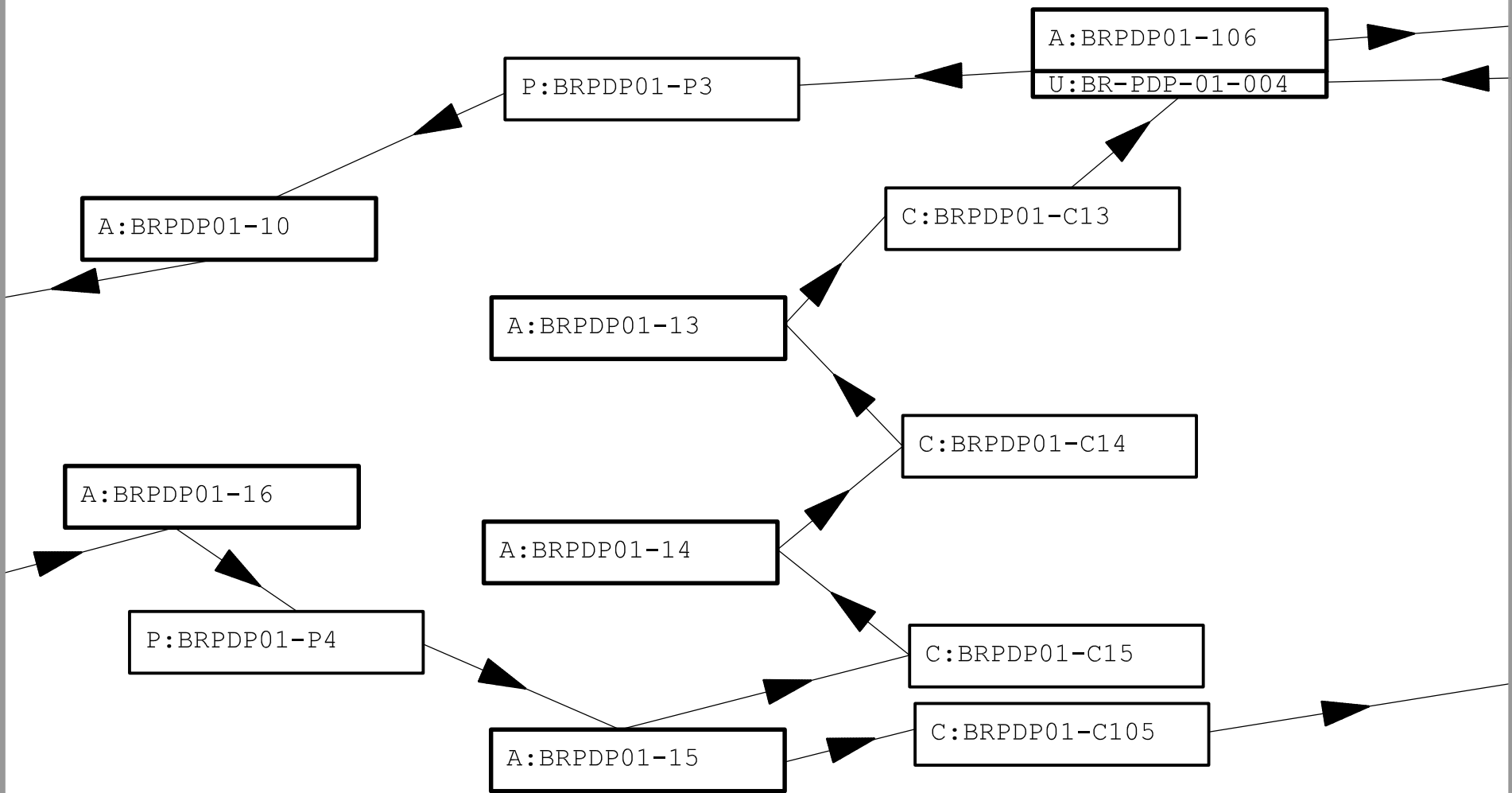


PALMETTO DUNES  
BROAD CREEK OUTFALL  
MAJOR BASIN 1



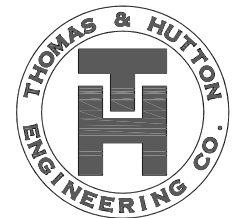
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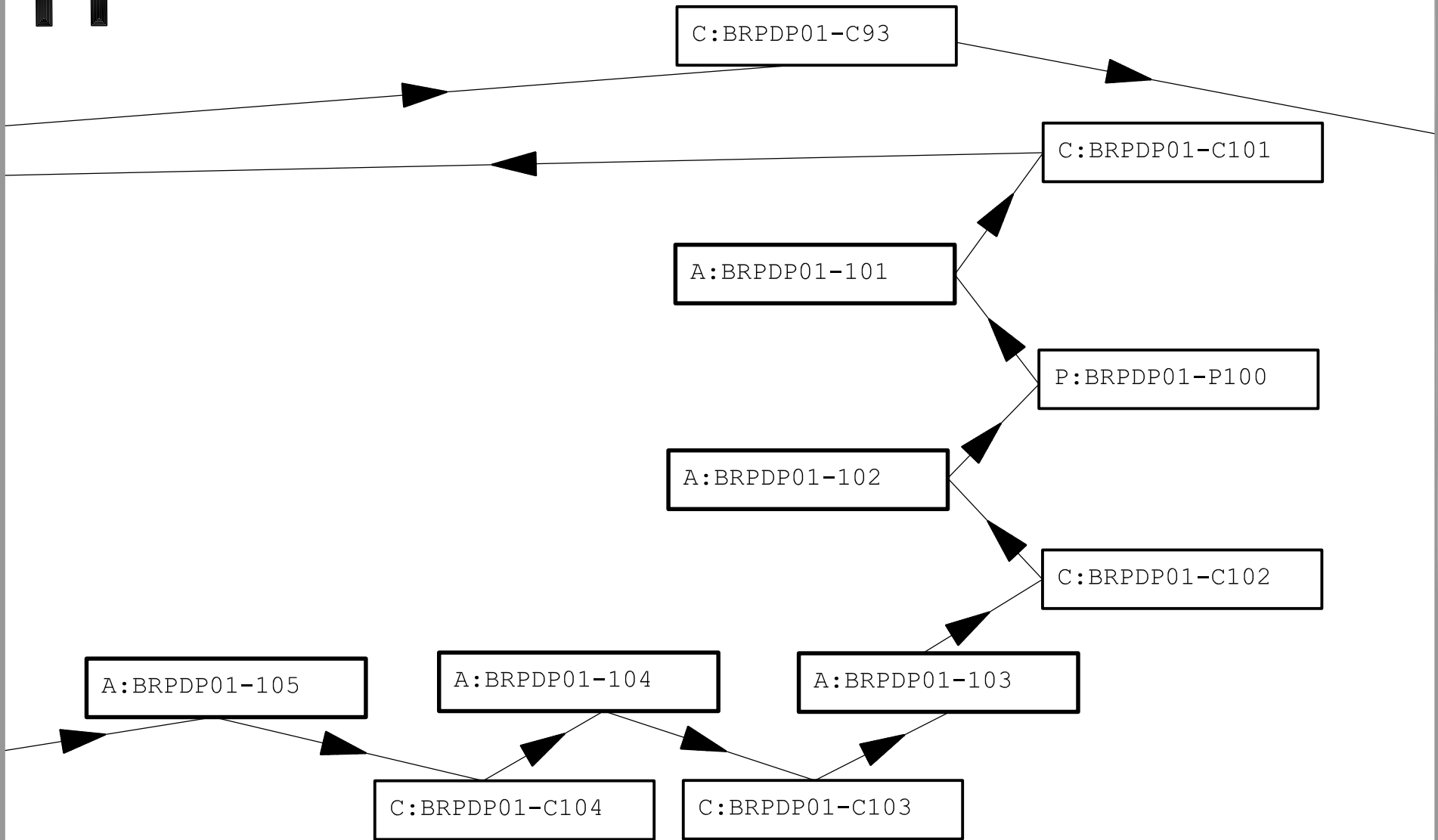
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BROAD CREEK OUTFALL  
MAJOR BASIN 1



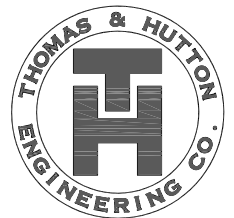
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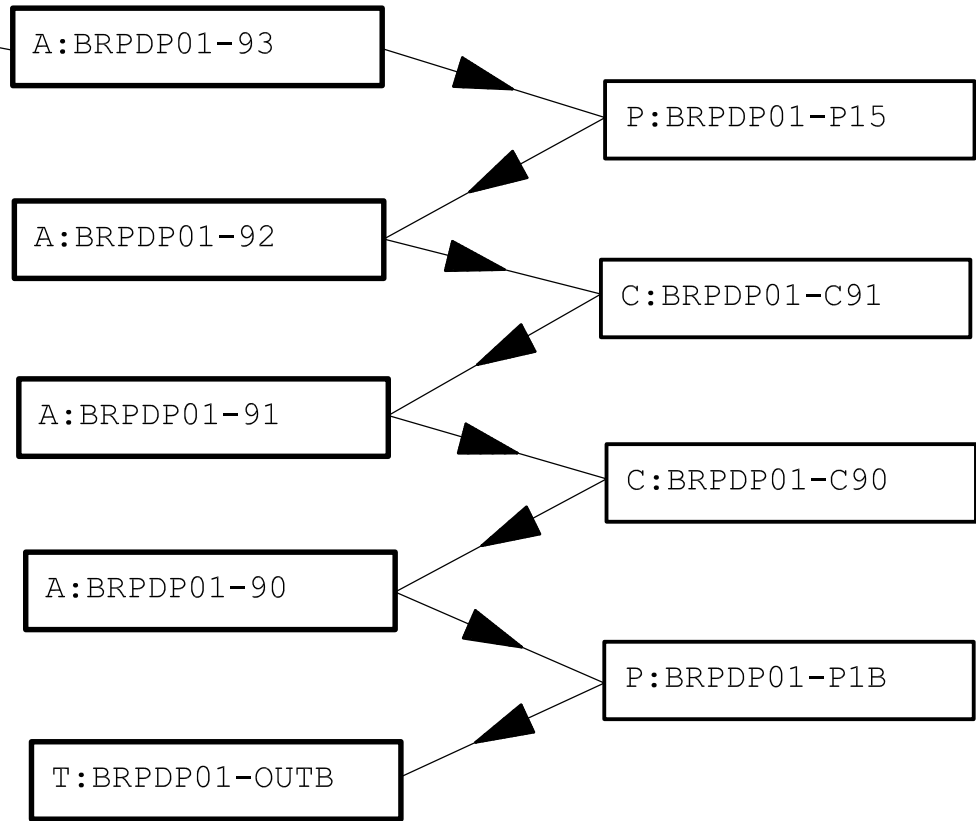


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MAJOR BASIN 1

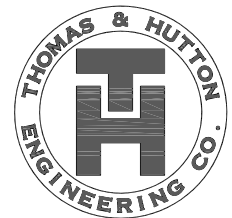


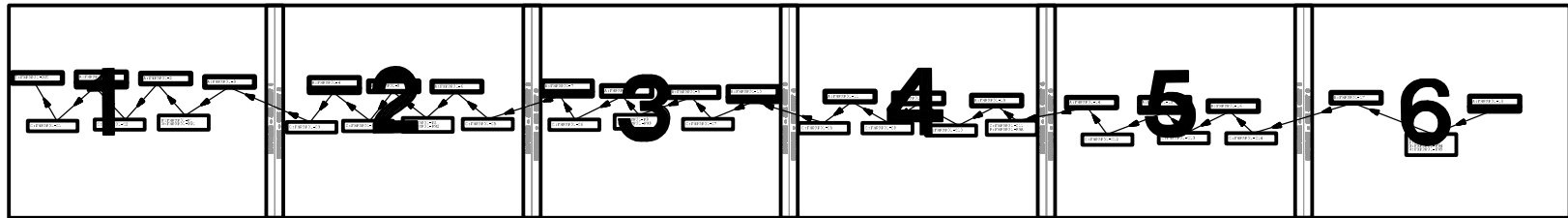
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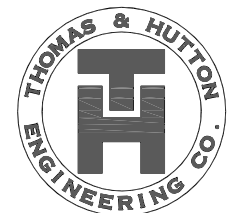


PALMETTO DUNES  
BROAD CREEK OUTFALL  
MAJOR BASIN 1

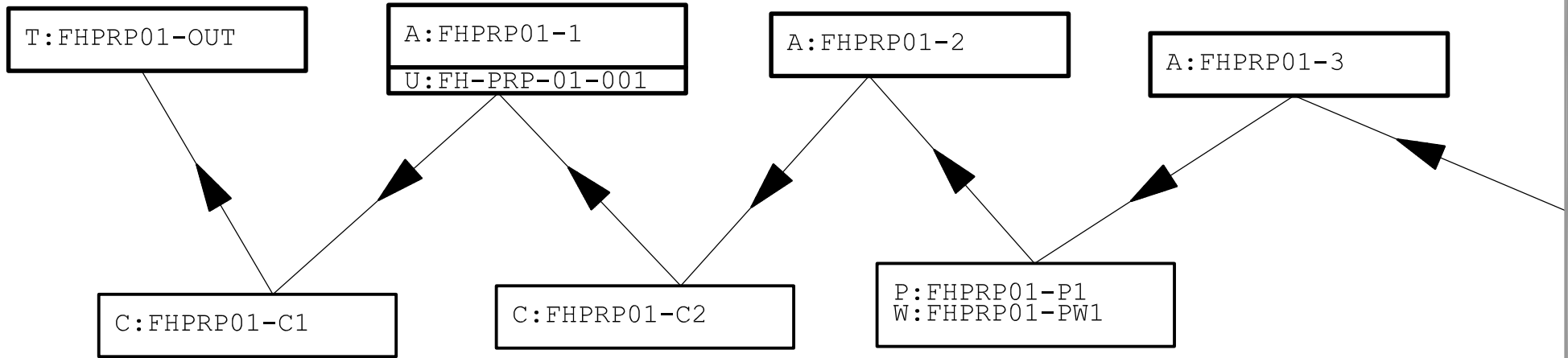




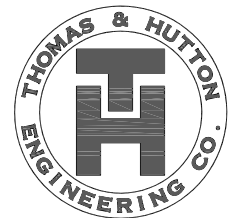
PORT ROYAL  
FISH HAUL CREEK  
MAJOR BASIN 1



1



PORT ROYAL  
FISH HAUL CREEK  
MAJOR BASIN 1

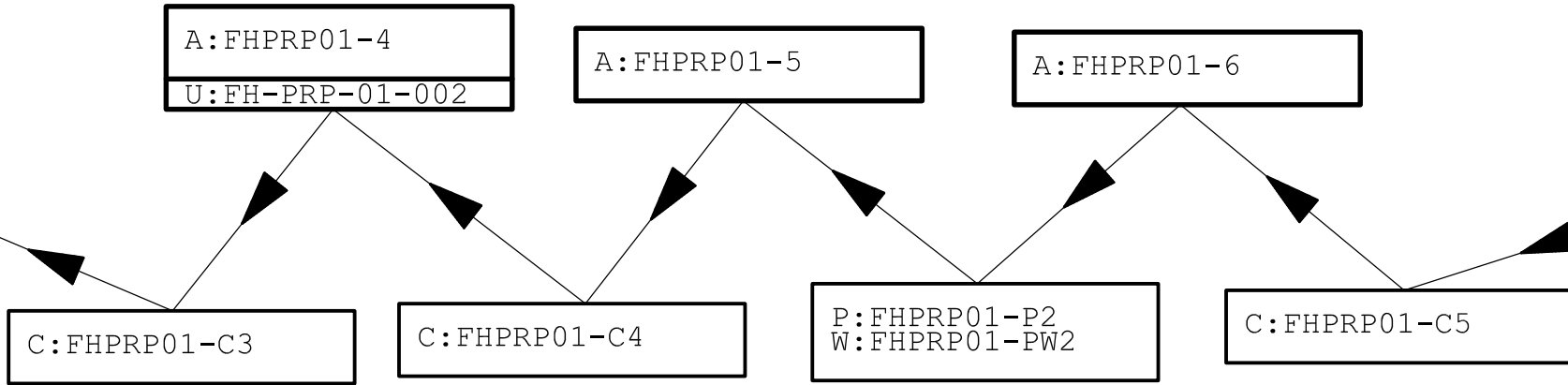


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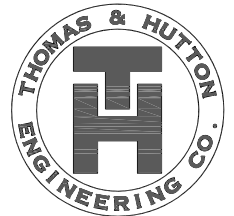
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MATCHLINE - SEE SHEET 3



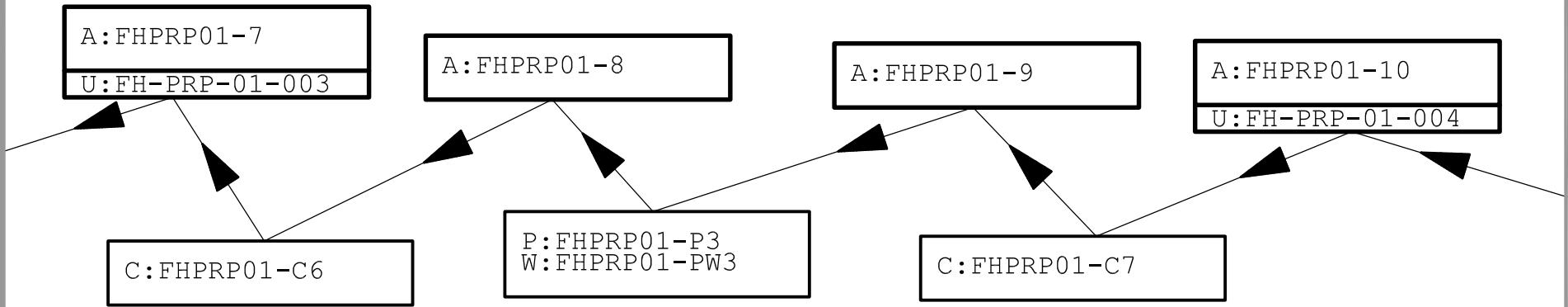
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FISH HAUL CREEK  
MAJOR BASIN 1



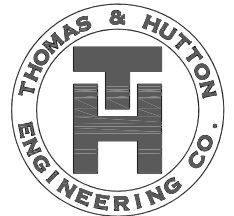
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MATCHLINE - SEE SHEET 4



PORT ROYAL  
FISH HAUL CREEK  
MAJOR BASIN 1

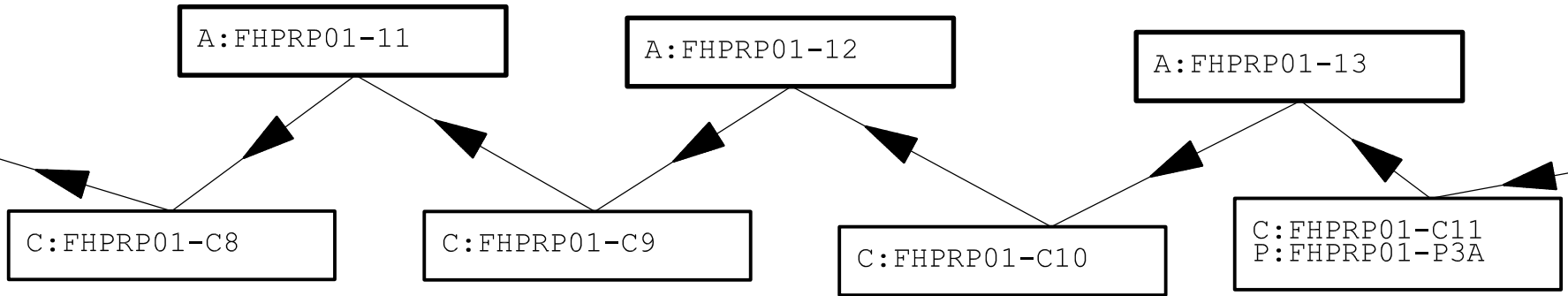




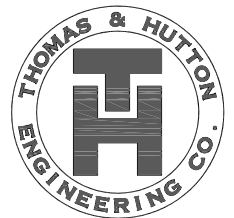
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MATCHLINE - SEE SHEET 3

MATCHLINE - SEE SHEET 5



PORT ROYAL  
FISH HAUL CREEK  
MAJOR BASIN 1



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MATCHLINE - SEE SHEET 6

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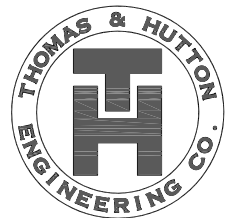
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PORT ROYAL  
FISH HAUL CREEK  
MAJOR BASIN 1



6

MATCHLINE - SEE SHEET 5

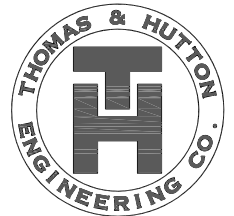
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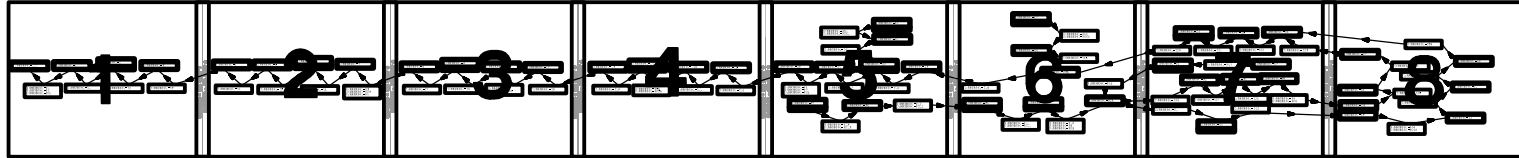
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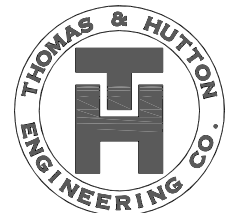
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PORT ROYAL  
FISH HAUL CREEK  
MAJOR BASIN 1

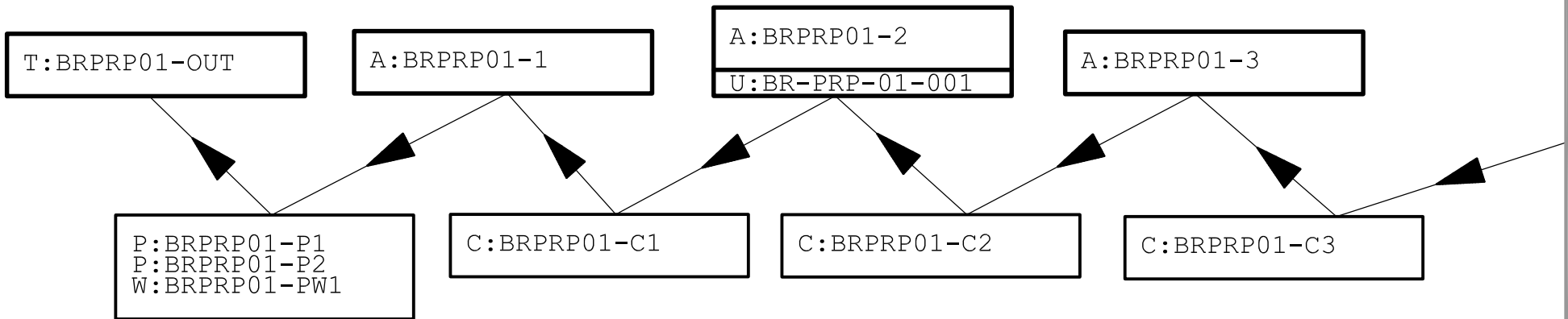




PORT ROYAL  
BROAD CREEK  
MAJOR BASIN 1

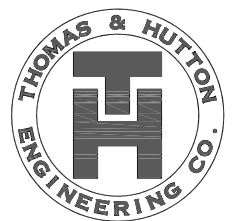


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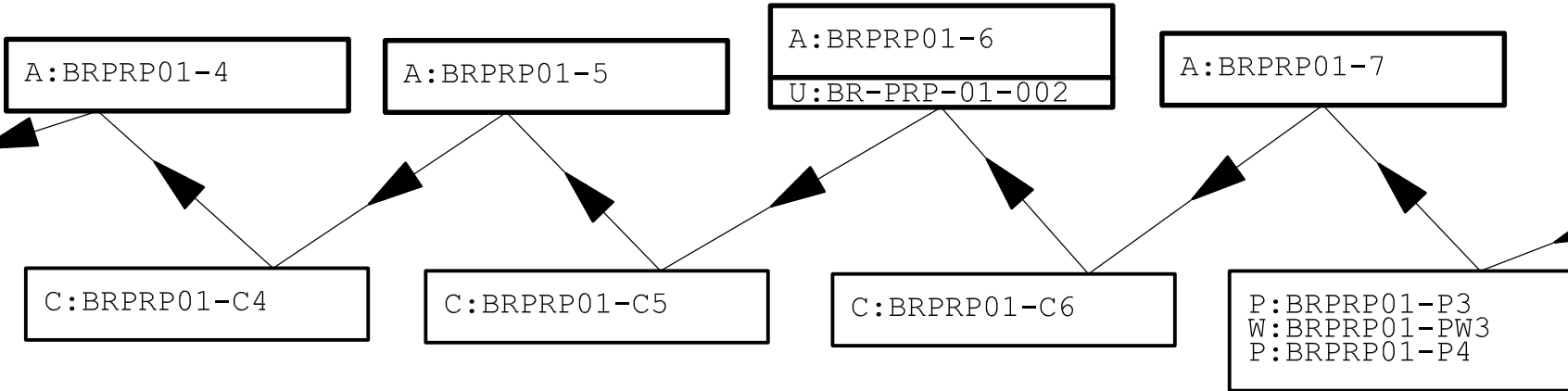
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BROAD CREEK  
MAJOR BASIN 1



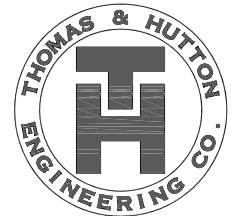
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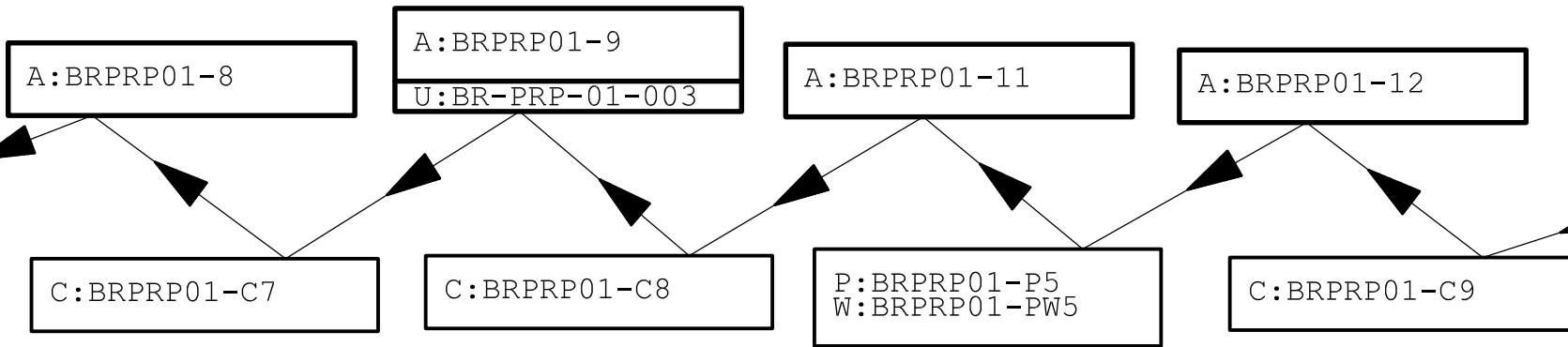
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BROAD CREEK  
MAJOR BASIN 1



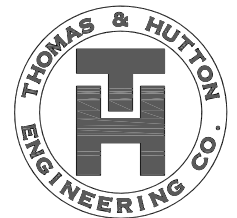
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MATCHLINE - SEE SHEET 4



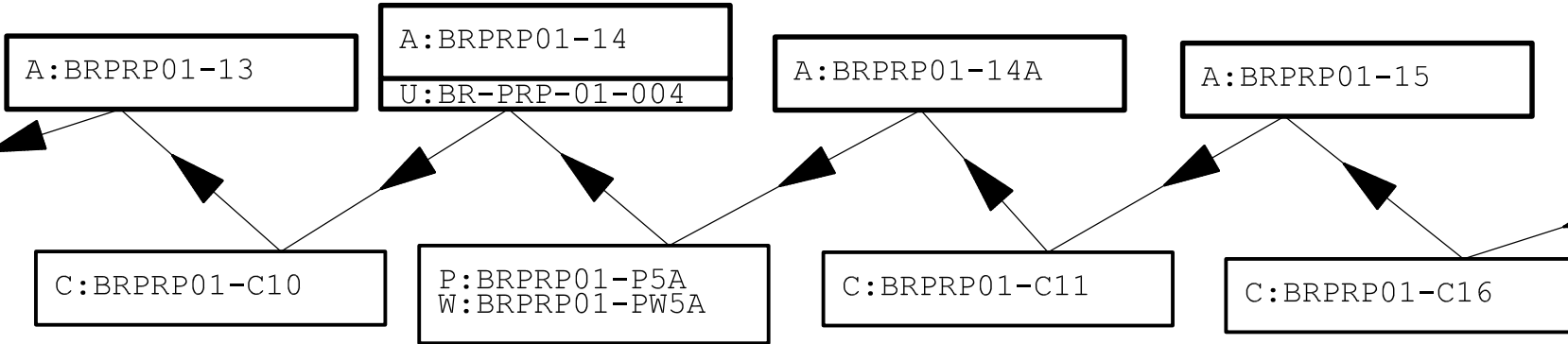
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BROAD CREEK  
MAJOR BASIN 1



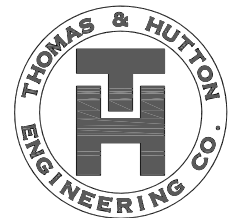
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MATCHLINE - SEE SHEET 5



PORT ROYAL  
BROAD CREEK  
MAJOR BASIN 1

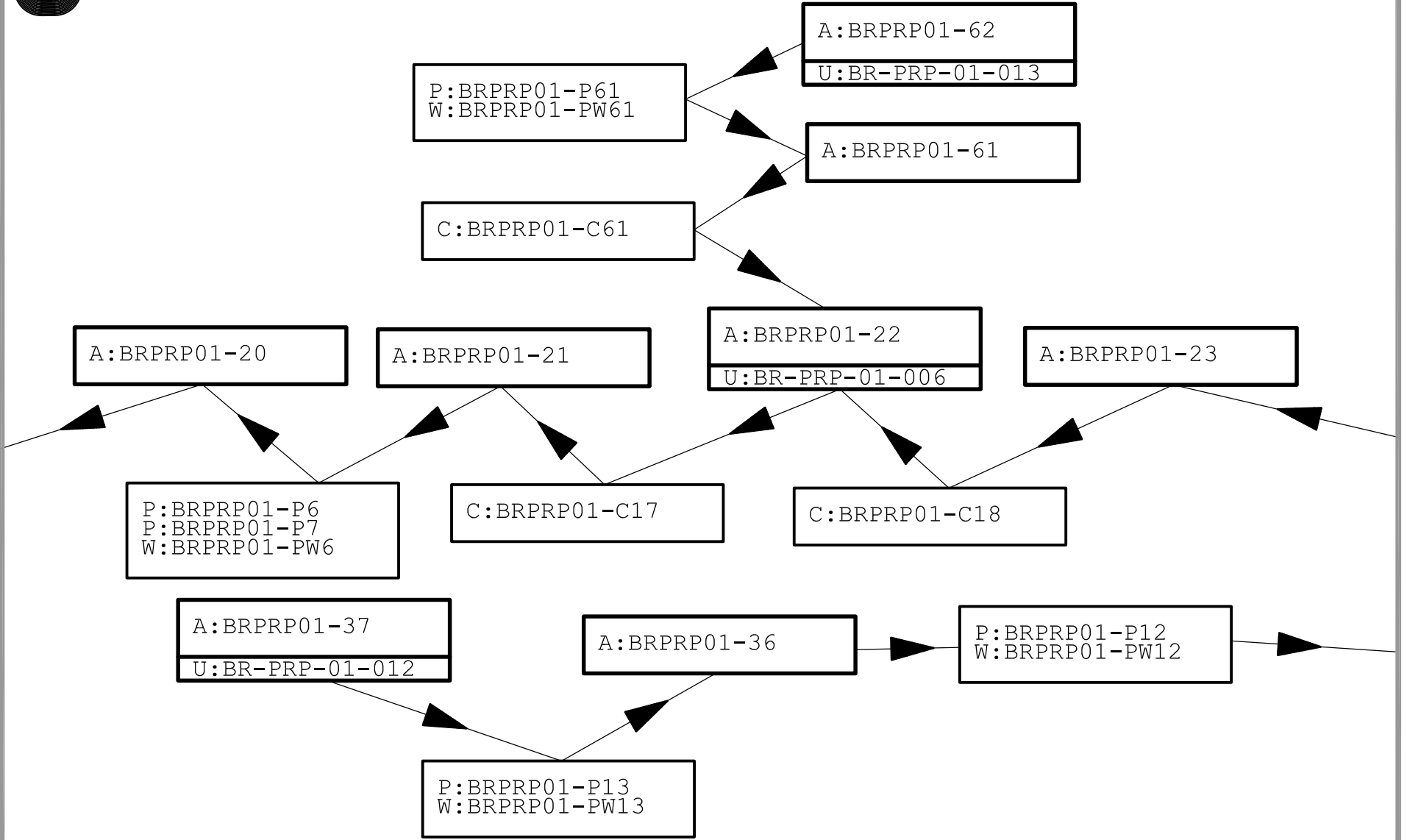




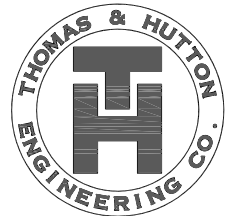
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MATCHLINE - SEE SHEET 4

MATCHLINE - SEE SHEET 6



PORT ROYAL  
BROAD CREEK  
MAJOR BASIN 1



6

MATCHLINE - SEE SHEET 5

MATCHLINE - SEE SHEET 7

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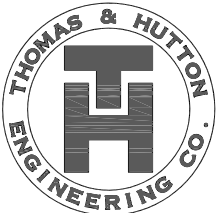
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PORT ROYAL  
BROAD CREEK  
MAJOR BASIN 1



7

MATCHLINE - SEE SHEET 6

MATCHLINE - SEE SHEET 8

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C:BRPRP01-C22

C:BRPRP01-C23

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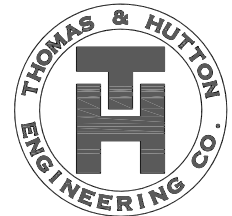
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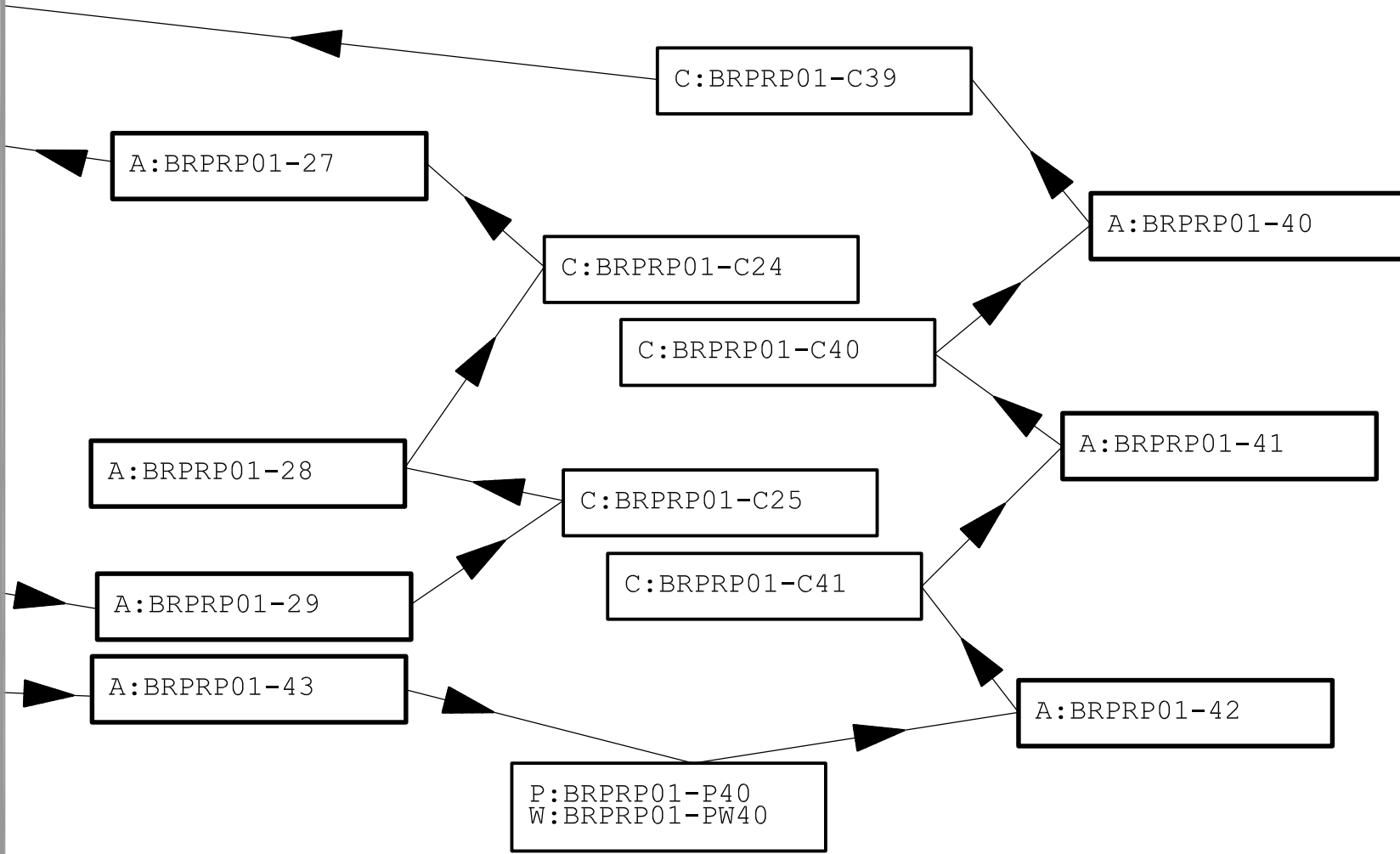
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BROAD CREEK  
MAJOR BASIN 1

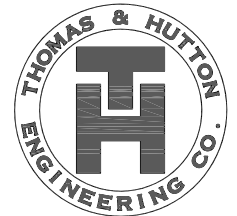


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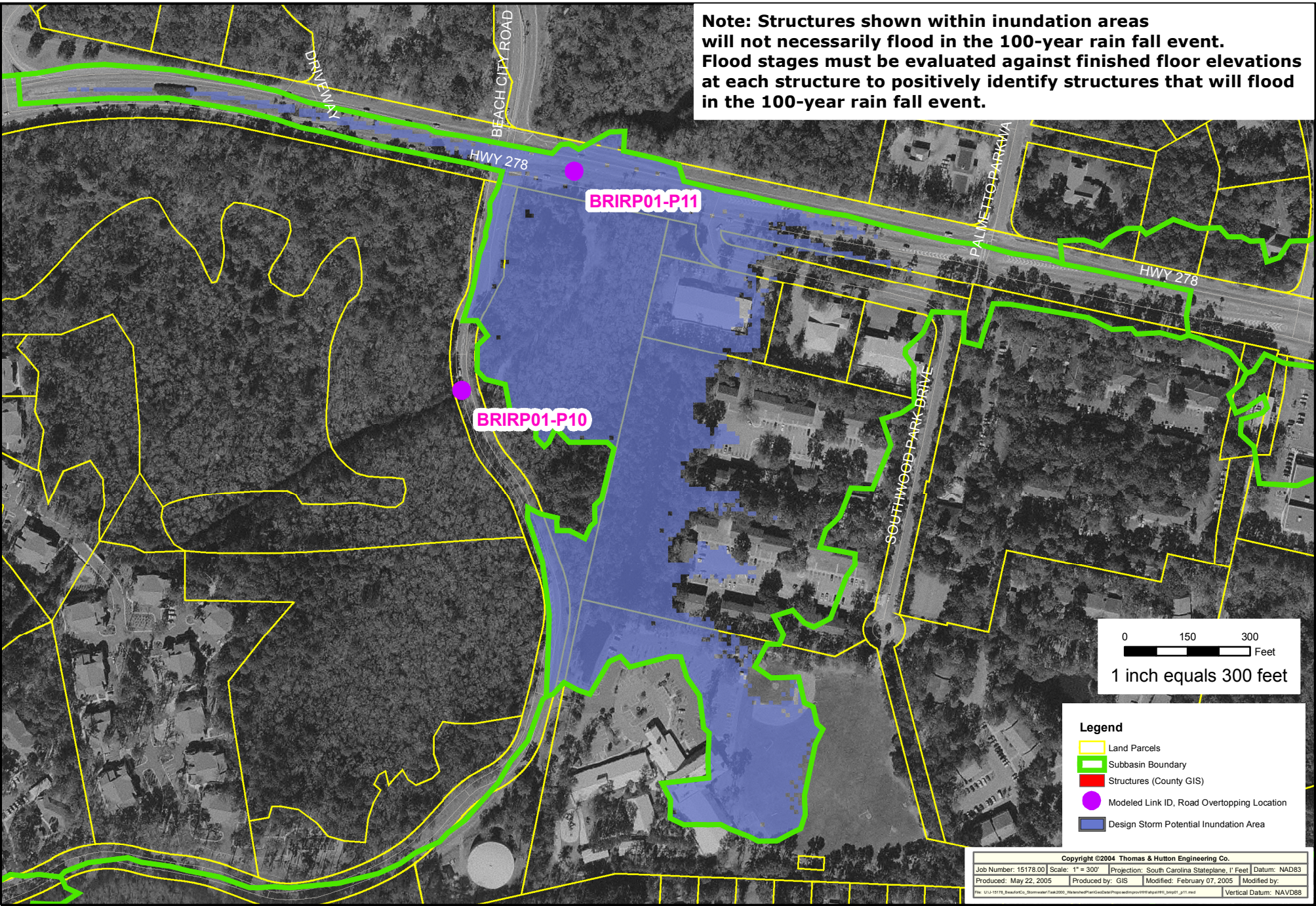


PORT ROYAL  
BROAD CREEK  
MAJOR BASIN 1





Note: Structures shown within inundation areas will not necessarily flood in the 100-year rain fall event. Flood stages must be evaluated against finished floor elevations at each structure to positively identify structures that will flood in the 100-year rain fall event.



0 150 300 Feet  
1 inch equals 300 feet

- Legend**
- Land Parcels
  - Subbasin Boundary
  - Structures (County GIS)
  - Modeled Link ID, Road Overtopping Location
  - Design Storm Potential Inundation Area

Copyright ©2004 Thomas & Hutton Engineering Co.  
 Job Number: 15178.00 Scale: 1" = 300' Projection: South Carolina Stateplane, 1' Feet Datum: NAD83  
 Produced: May 22, 2005 Produced by: GIS Modified: February 07, 2005 Modified by:  
 File: U:\15178\_BeaufortCo\_Stormwater\Task2005\_Web\msh\Plan\GIS\Map\Proposed\prop\15178\_15178\_011.mxd Vertical Datum: NAVD88

**THOMAS & HUTTON ENGINEERING CO.**  
 50 PARK OF COMMERCE WAY  
 SAVANNAH, GEORGIA 31405  
 (912) 234-5300

# Modeled 100-Year Design Storm Potential Inundation Area

## Broad Creek - Subbasin BR-IRP-01

Figure M-1

**CDM** Camp Dresser & McKee Inc.

Disclaimer  
 Thomas & Hutton Engineering Co. compiled the map information only from the following sources:

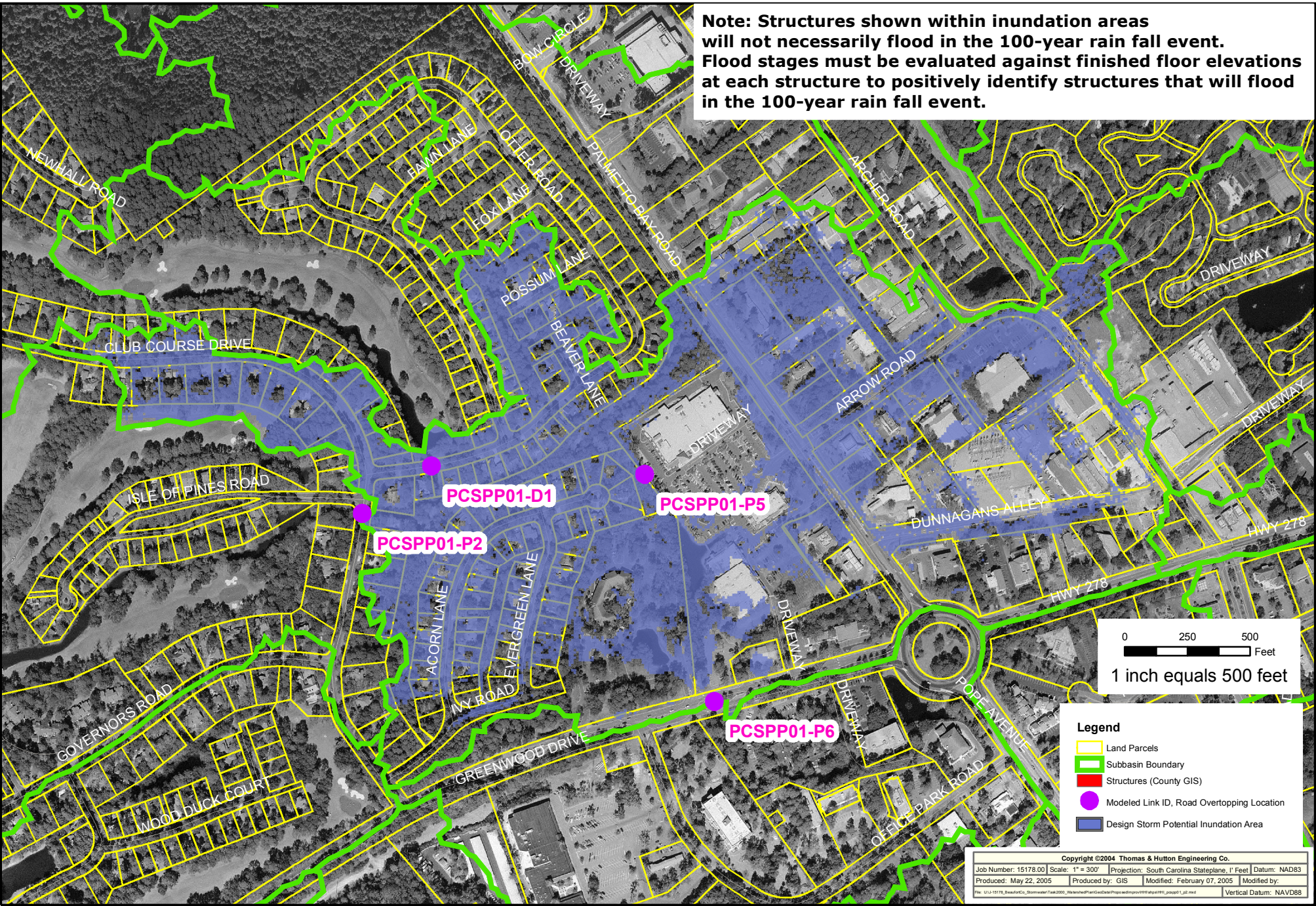
DATA	SOURCE	DATE
Parcels	Beaufort County	2005
Aerial Photography	Beaufort County	2002
Buildings	Beaufort County	2002

Thomas & Hutton used the above data "as is", and has made no independent investigation of the data nor makes any representation as to the accuracy or completeness of the data. Please see each source for available documentation of its respective data sets.

DATA	SOURCE	DATE
Subbasins	T&H / CDM	2004
Design Storm Potential Inundation Area	T&H / CDM	2005



**Note: Structures shown within inundation areas will not necessarily flood in the 100-year rain fall event. Flood stages must be evaluated against finished floor elevations at each structure to positively identify structures that will flood in the 100-year rain fall event.**



0 250 500 Feet  
1 inch equals 500 feet

- Legend**
- Land Parcels
  - Subbasin Boundary
  - Structures (County GIS)
  - Modeled Link ID, Road Overtopping Location
  - Design Storm Potential Inundation Area

Copyright ©2004 Thomas & Hutton Engineering Co.  
 Job Number: 15178.00 Scale: 1" = 300' Projection: South Carolina Stateplane, 1' Feet Datum: NAD83  
 Produced: May 22, 2005 Produced by: GIS Modified: February 07, 2005 Modified by:  
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**Disclaimer**  
 Thomas & Hutton Engineering Co. compiled the map information from the following sources:

DATA	SOURCE	DATE
Parcels	Beaufort County	2005
Aerial Photography	Beaufort County	2002
Buildings	Beaufort County	2002

Thomas & Hutton used the above data "as is", and has made no independent investigation of the data nor makes any representation as to the accuracy or completeness of the data. Please see each source for available documentation of its respective data sets.

DATA	SOURCE	DATE
Subbasins	T&H / CDM	2004
Design Storm Potential Inundation Area	T&H / CDM	2005

**THOMAS & HUTTON ENGINEERING CO.**  
 50 PARK OF COMMERCE WAY  
 SAVANNAH, GEORGIA 31405  
 (912) 234-5300

# Modeled 100-Year Design Storm Potential Inundation Area

## Point Comfort Creek - Subbasin PC-SPP-01

Figure M-2



## Appendix N

### GIS Documentation

# BEAUFORT COUNTY GIS DOCUMENTATION

## Digital Elevation Models

### Introduction: DEM and Stormwater Modeling

The hydrologic basin response in most basins is dominated by surface runoff with flows following the steepest slope. As a result, the **most critical input data set is the elevation data set**. Automated GIS hydrologic techniques require digital terrain data usually in the form of a Digital Elevation Model (DEM), which uses regular grid spacing to represent the land surface. Each pixel of the DEM grid is assigned one average elevation to indicate the average elevation for that grid cell's area. The DEM is used to derive several other data sets that collectively describe the drainage patterns of the basin.

Source: FEMA, Flood Hazard Mapping, 2002

The LiDAR Digital Elevation Model will be utilized in the development of water quantity and water quality models of the primary stormwater management system in Beaufort County. The following outlines how the DEM will be used in the context of the Stormwater Master Plan:

- 1.) Extraction of terrain geometry, including the floodplain. Should utilize the five-foot DEM which has not been hydrologically-enforced for the extraction of terrain geometry (e.g. cross sections);
- 2.) Computation of flow models from a hydrologically enforced DEM
- 3.) Basin and sub-basin delineation; Calculation of hydrologic parameters including basin and subbasin area, mean slope, flow length, time of concentration, and stage-area relationships from hydrologically-enforced DEM

Note: Elevations in which LiDAR did not penetrate (e.g. under water, heavy canopy, etc.) are interpolated elevations. Thus, the LiDAR DEM is unable to express the geometry of the hydrographic feature (e.g. lagoon, river, large ditches, etc). Field data or information from previous engineering studies will supplement the LiDAR information within the Hydrologic/Hydraulic model.

## Methodology

### Task 1 – Development of Triangulated Irregular Network (TIN)

After testing methods of interpolation, it was determined to utilize a Triangulated Irregular Network (TIN) interpolation routine. The TIN methodology best suited the County's LiDAR data of irregularly spaced mass points and breakline information. Due to sheer volume of input data, a GIS software limitation was exceeded when a temporary file size reached 2,097,000 MB. Much effort was extended by Thomas & Hutton and ESRI to determine an appropriate solution, including testing in ArcInfo Tin, ArcMap 3D Analyst, and ArcView 3D Analyst. The only solution was to create groups of tiles (tile sets) that would not exceed the file size limitation during interpolation. On an average, the tile sets contained about 12 tiles before reaching the limitation. This was a trial and error process due the variation of number of points, amount and detail of breaklines, and orientation of tile sets. Complete tile overlap along the boundary of the tile sets were maintained in order to merge the tile sets without introducing the less accurate interpolated data along tile edges.

### Task 2 – Development of 5' County-wide Digital Elevation Model (DEM)

The DEM of five foot resolution was mathematically interpolated from the TIN. The interpolation routine utilized was best suited to maintain the accuracy and precision of the LIDAR points (+/- 6"). The grid cell size, i.e. resolution, is five feet. The 5' DEM will not be manipulated (i.e. hydrologically-enforced). Therefore, it is the elevation model that most closely represents the bare earth points. The 5' DEM should be utilized for the extraction of terrain information (e.g. cross sections of the flood plain).



### **Task 3 – Development of 10’ and 15’ Digital Elevation Model (DEM)**

Due to software limitations, the use of the 5’ DEM was not possible for hydrologic parameter extraction. Therefore, the following solution was implemented:

South of the Broad River, a DEM of ten foot resolution was interpolated from the 5’ DEM. The 10’ DEM will be utilized for extraction of hydrologic parameters. The 10’ DEM is the foundation data set for hydrologic enforcement and basin modeling.

North of the Broad River, a DEM of fifteen foot resolution was interpolated from the 5’ DEM. The 15’ DEM will be utilized for extraction of hydrologic parameters. The north DEM had to be of greater resolution because a 10’ resolution of the area north of the Broad River exceeded the software capacity. The 15’ DEM is the foundation data set for hydrologic enforcement and basin modeling.

### **Task 4 – Development of 25’ Area of Interest Digital Elevation Model (DEM)**

Again, due to software limitations, a DEM of twenty-five foot resolution was interpolated from the 5’ DEM within the County and from USGS, LandResources and previously flown LiDAR DEMs for areas beyond the County boundary. The 25’ DEM will be utilized for analyzing areas that affect the County’s stormwater but are beyond the area where LiDAR was acquired. The following is the list of DEMs and their sources utilized to compile the 25’ DEM:

- o Bennetts Point: SC DNR 30 meter DEM
- o Bluffton: 10 meter LandResources DEM
- o Calfpn Bay: 10 meter LandResources DEM
- o Coosawhatchie: 10 meter LandResources DEM
- o Cummings: SC DNR 30 meter DEM
- o Dale: SC DNR 30 meter DEM
- o Fort Pulaski: SC DNR 30 meter DEM
- o Furman: 1999 LiDAR
- o Grays: 1999 LiDAR
- o Green Pond: SC DNR 30 meter DEM
- o Hardeeville: 10 meter LandResources DEM
- o Hendersonville: SC DNR 30 meter DEM
- o Hilton Head: Beaufort County LiDAR - 2002
- o Jasper: 10 meter LandResources DEM
- o Laurel Bay: SC DNR 30 meter DEM
- o Limehouse: 10 meter LandResources DEM
- o McPhersonville: SC DNR 30 meter DEM
- o Pineland: 10 meter LandResources DEM
- o Pritchardville: 10 meter LandResources DEM
- o Ridgeland: 10 meter LandResources DEM
- o Sheldon: SC DNR 30 meter DEM
- o Sniders Crossroads: SC DNR 30 meter DEM
- o Spring Island: 10 meter LandResources DEM
- o St Helena Sound: SC DNR 30 meter DEM
- o Tillman: 10 meter LandResources DEM
- o Tybee Island North: SC DNR 30 meter DEM
- o Walterboro: SC DNR 30 meter DEM
- o Whitehall: SC DNR Hypsography to DEM
- o Wiggins: SC DNR 30 meter DEM
- o Yemassee: SC DNR 30 meter DEM

## Task 5 – Hydrologic Enforcement of DEM

The level of hydrologic enforcement required is dependant on the scale of the specific application (e.g. county-wide watershed master plan vs. site development). Beaufort County's hydrologically enforced DEM expresses the primary stormwater management system to serve as a first-level-corrected DEM. It should be noted that for site specific hydrologic and hydraulic analysis, additional correction may be required, depending on the location and characteristics of the land and stormwater system. For example, it may require surveyed geometry of conveyances, underground pipe networks and more detailed drainage features which are not expressed in a first-level-corrected DEM.

One of the most time consuming steps of GIS hydrologic analyses is the development of a hydrologically enforced DEM. The preparation of a hydrologically enforced DEM often requires several iterations of determining flow paths and verifying that they are correct. Many factors, such as DEM resolution and accuracy, topographic relief, and culvert crossings, affect the accurate determination of flow paths from the terrain data. Study areas with low relief and several culvert crossings often require special considerations and take more effort to prepare a hydrologically enforced DEM.

Source: FEMA, Flood Hazard Mapping, 2002

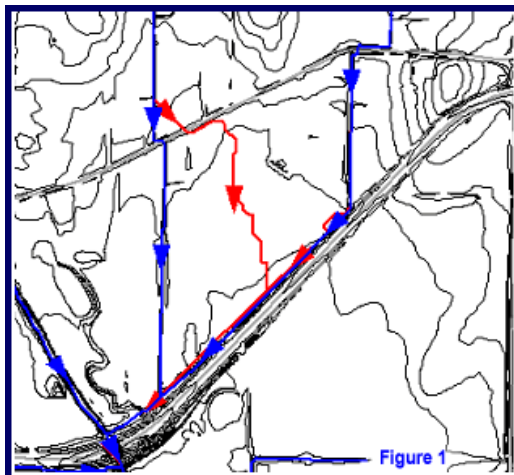


Figure 1 depicts two different stream lines that were derived from the same terrain data source. Differences between the two are the result of not using a hydrologically enforced DEM. The more accurate blue stream line was delineated from a DEM that was corrected by "burning" in culverts, whereas the red stream line was derived from terrain data that did not consider the culvert crossings.

Source: FEMA, Flood Hazard Mapping, 2002

## Task 6– Fill Sinks of Hydrologically Enforced DEM

Sinks are cells that have lower elevations than the surrounding cells. In order to compute GIS-based flow models and perform basin delineation, these sinks must be "filled". If the sinks are not filled, the derived drainage network may be discontinuous. The FILL process was performed to remove all sinks that were lower than their lowest adjacent neighbor.

## Task 7 – Compute Flow direction of Hydrologically Enforced & Filled DEM

The direction of flow is computed by finding the direction of steepest descent, or maximum drop, from each cell. The *FLOW DIRECTION* process was calculated for each grid cell where every cell is assigned one of eight numbers corresponding to the direction that it flows to the neighboring cells.

### Task 8 – Compute Flow Accumulation of Hydrologically Enforced & Filled DEM

The *FLOW ACCUMULATION* function calculates accumulated flow to each cell. This is accomplished by accumulating the weight for all cells that flow into each downslope cell, therefore requiring the flow direction grid as input to the computational process. The cells are assigned a number based on the number of cells flowing into each cell.

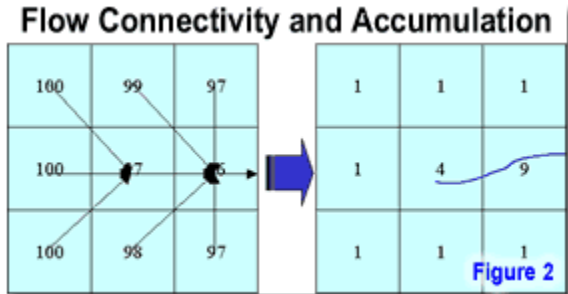


Figure 2 illustrates how a flow accumulation grid is derived. First, differences in elevation between neighboring grid cells are used to determine the flow direction (left side of figure). Using the flow direction, the number of grid cells draining to each grid cell is then totaled. This process produces a new data layer, where the value of each grid cell represents the total number of cells draining through it (right side of figure).

Source: FEMA, Flood Hazard Mapping, 2002

### Task 9 – Calculate Flow Path Network

The results of the flow accumulation grid can be used to delineate a mathematical flow network, i.e. drainage flow network.

### Task 10 – Define Basin and Subbasin Outlets

The Engineer defines outlet points for basin and subbasin delineation. A GIS point coverage was developed to delineate the Engineering-defined outlet points.

North of the Broad: 30' input parameter  
South of the Broad: 20' input parameter  
HHI: 10' input parameter

### Task 11 – Delineate Basins and Subbasins to Engineering-Defined Outlets

The GIS Hydrologic Application delineates basins and subbasins to each outlet. The GIS Hydrologic Application utilizes the flow models (flow direction and flow accumulation) which were ultimately defined by the LiDAR topography

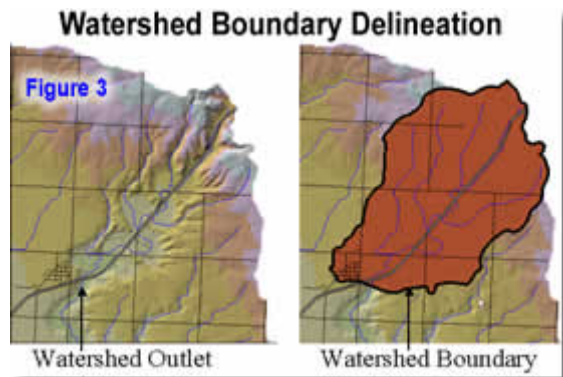


Figure 3 illustrates the watershed delineation process for a user-defined outlet point.

Source: FEMA, Flood Hazard Mapping, 2002

## **Task 12 – Quality Assurance & Quality Control**

Multiple hydrologic corrections were required before attaining the level of correction required to define primary stormwater management system. For each required hydrologic correction run, tasks six through nine were executed until desired results were obtained. Many data sets, such as roads, hydrography, field stormwater inventory, engineering plans, and previous surveys, were analyzed to insure accurate hydrologic enforcement. Local knowledge from County, Municipal and Thomas & Hutton staff was also incorporated during the hydrologic enforcement process

## **Task 13 – Engineering Judgment**

The Engineer reviews the final basin and subbasin delineation. At this point, the Engineer may decide to hand manipulate basin or subbasin boundaries based upon field knowledge. In particular, the Water Quality basins in which the outlet was located in the center of a water body was not always accurately delineated by the automated GIS process. The Engineer utilized the water quality river segments to help refine the automated basin boundaries.

## **Digital Elevation Models - Deliverables**

- Hydrography (shape, polygon): The hydrography was derived from the LiDAR data. This data identifies area water features as extracted from LiDAR. It was developed as input for the digital elevation model; therefore, it has been generalized from the original hydrography breaklines. This data set was also utilized for hydrologic enforcement.
- Digital Elevation Model – 5 Foot Resolution (Grid): DEM derived from the LiDAR data. The process included interpolation of the bare earth points to a Triangulated Irregular Network (TIN), then interpolation from TIN to DEM. This data set has not been hydrologically enforced.
- Digital Elevation Model – 10 / 15 Foot Resolution (Grid): DEM derived from the LiDAR. The 10 foot DEM was developed from an interpolation of the 5 foot digital elevation model. This data set has not been hydro-enforced.
- Digital Elevation Model – 25 Foot Resolution (Grid): DEM derived from the LiDAR, USGS DEMS, LandResources DEM, and previously acquired LiDAR. The 25 foot DEM was developed for the entire area of interest. Thus, it covers area beyond the County boundary. The 25' DEM will be utilized for the analysis of lands affecting Beaufort County primary stormwater management system that are not within the County boundary. This data set has not been hydrologically enforced.
- Linear Hydrologic Correction (shape, line): Developed for hydrologic enforcement of the DEM. Attributes: elevation used for hydrologic enforcement, source information.
- Polygonal Hydrologic Correction (shape, polygon): Developed for hydrologic enforcement of the DEM, compiled from the LiDAR hydrography. Attribute: elevation used for hydrologic enforcement.
- Hydrography Centerline (shape, line): Developed for hydrologic enforcement of the DEM. Attributes: elevation used for hydrologic enforcement.
- Hydrologically Enforced Filled DEM – 10 / 15 Foot Resolution (Grid): Developed for extraction of basin hydrologic characteristics.
- Flow Accumulation Model – 10 / 15 Foot Resolution (Grid): Developed for extraction of basin hydrologic characteristics.
- Flow Direction Model – 10 / 15 Foot Resolution (Grid): Developed for extraction of basin hydrologic characteristics.
- Mathematical Flow Network (Grid): Developed for extraction of basin hydrologic characteristics.
- Basin and subbasin outlets – (shape, point): Engineering defined outlet points developed to delineate basin and subbasins.
- H/H basin and subbasins (Grid): Delineation of each basin and subbasin of the engineering modeled outlet points. Attributes: Basin Name, Subbasin Name, Acreage, Mean CN, Mean Slope, Longest Flow Path. Mean Slope: NOB and SOB - HE Filled DEM, HHI – NonHE Filled DEM.
- H/H Cross Sections (shape, line): Delineation of cross sections extracted from the LiDAR DEM. These cross sections may be modified in ICPR based upon typical field cross sections.
- Water Quality segments (shape, line): Engineering defined stream segments to be modeled for water quality parameters.
- Water Quality basins and subbasins (Grid). Basins and subbasins delineated from the water quality stream segments.

## Existing Conditions Curve Number

### Introduction: Curve Number Parameter

Curve Number (CN) is a drainage parameter used in the United States for the simulation of single storm (short-term) events in ungaged watersheds. The CN characterizes the drainage area in terms of hydrologic soil type and land use / land cover class. With advances in spatial technology, the computation of curve number can be achieved with great accuracy and efficiency using GIS. To derive a CN data set, a soils and land use / land cover data sets are required inputs.

The GIS software generates a curve number grid by assigning a CN value to each grid cell in the basin or subbasin (determined by an overlay of LULC and Soils). Using the curve number grid and the basin boundary, the GIS software computes the mean curve number for each basin and subbasin. Three key factors in determining a CN value are soils, land use, and existing soil moisture conditions. A flow diagram illustrating the steps required to compute GIS-derived curve numbers can be seen in Figure: GIS – Curve Number.

### Soils

The soils coverage for Beaufort County's stormwater management analysis was compiled from the soil data sets developed and distributed by the South Carolina Department of Natural Resources. The following description is from the SC DNR (<http://www.dnr.state.sc.us/pls/gisdata/metadata>):

*This data set is a digital soil survey and is the most detailed level of soil geographic data developed by the National Cooperative Soil Survey. The information was collected by digitizing maps, by compiling information onto a planimetric correct base and digitizing, or by revising digitized maps using remotely sensed and other information.*

*This data set consists of georeferenced digital map data and computerized attribute data. The map data are in a 7.5 minute quadrangle format and include a detailed, field verified inventory of soils and nonsoil areas that normally occur in a repeatable pattern on the landscape and that can be cartographically shown at the scale mapped. Sometimes a special soil features layer (point and line features) is included. This layer displays the location of features too small to delineate at the mapping scale, but they are large enough and contrasting enough to significantly influence use and management. The soil map units are linked to attributes in the Map Unit Interpretations Record relational data base, which gives the proportionate extent of the component soils and their properties.*

The following soils quads were utilized for the entire area of interest for stormwater analysis (Beaufort County and beyond):

- Beaufort
- Bennetts Point
- Black Creek
- Bluffton
- Calpen Bay
- Coosawhatchie
- Cummings
- Dale
- Fort Pulaski
- Fripps Inlet
- Frogmore
- Furman
- Grays
- Green Pond
- Hardeeville
- Hendersonville
- Hilton Head
- Jasper
- Laurel Bay
- Limehouse
- McPhersonville
- Parris Island
- Pineland
- Pritchardville
- Ridgeland
- Sheldon
- Sniders Crossroads
- Spring Island
- St Helena Sound
- St Phillips Island
- Tillman
- Tybee Island North
- Walterboro
- Whitehall
- Wiggins
- Yemassee

## Methodology

### Task 1 – Assign Hydrologic Soil Classes

The primary factors considered in rating the impact of soils on surface runoff are Soil Texture, Degree of Moisture Content, and underlying soil characteristics. The soil ratings are based on the ability of the soils to absorb additional water, assuming that the soils have been previously wetted and are fully saturated. It is also assumed when rating soils that the soil surface is bare of vegetation. The four hydrologic soil types and their corresponding runoff potential are:

1. Type A – Low Runoff Potential
2. Type B – Moderate Runoff Potential
3. Type C – Moderate to High Runoff Potential
4. Type D – High Runoff Potential

A detailed discussion of these soil types and their characteristics can be found with the Natural Resources Conservation Service (NRCS).

Each soils series was assigned (attributed) a hydrologic soils group as defined by NRCS SSURGO database (<http://soils.usda.gov/>). If a soils series had a combination hydrologic soils group (e.g. A/D), that soil was assigned the more conservative (D) value, except in areas along the coast. At the time of developing the soils coverage (2003) the NRCS SSURGO database did not have hydrologic group assignments for:

- ALBANY-BLANTON
- ALBANY-PELHAM-OCILLA
- ARGENT-OKEETEE
- BERTIE-COOSAW-TOMOTLEY
- BORROW PIT
- CHIPLEY-PELHAM-ECHAW
- COASTAL BEACHES
- FRIPP-BARATARI
- FRIPP-LEON
- GRIFTON-OSIER
- HAPLAQUENTS
- HAPLAQUENTS, LOAMY
- HOBCAW
- OKEETEE-EULONIA
- RAINS-LYNCHBURG
- SEEWEE
- TORHUNTA-OSIER
- UNLABELED
- WADMALAW VARIEANT
- YONGES-ARGENT

More research was conducted and the following hydrologic soil group was assigned based upon ancillary information:

- ALBANY-BLANTON: C
- ALBANY-PELHAM-OCILLA: D
- ARGENT-OKEETEE: D
- BERTIE-COOSAW-TOMOTLEY: D
- BORROW PIT: C
- CHIPLEY-PELHAM-ECHAW: D
- COASTAL BEACHES: D
- FRIPP-BARATARI: D
- FRIPP-LEON: D
- GRIFTON-OSIER: D
- HAPLAQUENTS: D
- HAPLAQUENTS, LOAMY: D
- HOBCAW: D
- OKEETEE-EULONIA: D
- RAINS-LYNCHBURG: D
- SEEWEE: B
- TORHUNTA-OSIER: D
- UNLABELED: C
- WADMALAW VARIEANT: D
- YONGES-ARGENT: D

### Task 2– Derive a Soils Grid

From the composite soils coverage, a grid was interpolated based upon hydrologic soils group.

## Existing Conditions Land Use / Land Cover

The land use / land cover (LULC) coverage for Beaufort County's stormwater management analysis was compiled from Beaufort County parcels, Beaufort County zoning, National Wetlands Inventory (NWI) and hydrography (derived from LiDAR and NWI).

## Methodology

### Task 1 – Development of LULC Classification Schema

A LULC classification scheme was generated in order to aggregate the various land uses / land covers throughout the area of interest. The LULC classifications are as shown:

#### LAND USE / LAND COVER (LULC)

Low-Density Residential  
Medium-Density Residential  
High-Density Residential  
Institutional  
Industrial / Transportation  
Commercial / Business  
Golf Courses  
Open Space  
Row Crop  
Silviculture  
Open Water  
Forested Wetland  
Non-Forested Wetland  
Sandy Area  
Forestland  
Grassland

### Task 2 – Development of LULC Coverage within Beaufort County

The following data sources were utilized to compile the LULC:

1994 NWI - Land Use Classification<sup>1</sup>  
2003 LiDAR Hydrography  
1994 NWI - Hydrography<sup>1</sup>  
2003 County's parcels  
2003 County's zoning coverage

<sup>1</sup> NWI Land Use Classification, South Carolina Department of Natural Resources, 1994

Classification priority was assigned based on the following order: Open Water, Forested Wetland, Non-Forested Wetland, Parcel Information, and Zoning.

The NWI hydrography (Open Water) was supplemented with the LiDAR generated hydrography delineation.

The PCS, PCA, and LandTyp were the attributes utilized from the County's 2003 parcel database to develop the LULC.

### Task 3 – Development of LULC Coverage outside of Beaufort County

After researching possible sources, a LULC coverage was compiled from NWI's Land Use for the area beyond the County Boundary. The NWI's Land Use was reclassified into the Beaufort County's LULC classification.

The following table indicates how the NWI Land Use was re-classified into the Beaufort County classifications.

	CLASSIFIED BY T&H / CDM AS
Bay/Estuary	Open Water
Beaches	Sandy Area
Commercial/Services	Commercial / Business
Cropland/Pasture	Row Crop
Deciduous Upland Forest	Forestland
Evergreen Upland Forest	Forestland
Forested Wetland	Forested Wetland
Herbaceous Rangeland	Grassland
Industrial	Industrial / Transportation
Industrial / Commercial Complex	Industrial / Transportation
Mines / Quarries/Pits	Industrial / Transportation
Mixed Upland Forest	Forestland
Mixed Urban	Residential - High Density
Non-Forested Wetland	Non-Forested Wetland
Open Water	Open Water
Orchard / Grove / Vineyard	Silviculture
Other Urban	Residential - High Density
Residential	Residential - Medium Density
Sandy Area	Sandy Area
Shrub / Brush / Brush Rangeland	Grassland
Transitional Areas	Residential - Low Density
Transportation / Utilities	Industrial / Transportation
Upland	Forestland
Upland Planted Pine	Silviculture

### Task 4– Areas Modeled outside of the Beaufort County

For areas outside of Beaufort County that affect the modeling efforts, the land use / land cover classification was updated using 1999 IR NAPP Photography, 2004 Color Aerial Photography, and staff knowledge. Future LULC for these areas was developed utilizing staff knowledge.

### Task 5– Derive a LULC Grid

From the composite LULC coverage, a grid was interpolated based upon land use / land cover classification.



## Existing Conditions Curve Number

The Curve Number (CN) grid is developed from an overlay of the soils grid and the LULC grid.

## Methodology

### Task 1 – Development of Curve Number Assignment

A Curve Number classification was developed for the assignment of curve number based upon soils and LULC. Note: Figure 2-1 – CN Classification details the assigned curve number values.

### Task 2 – Derive a Curve Number Grid

The CN grid is developed from the overlay of the soil grid and LULC grid.

## Existing Conditions - Deliverables

- Soils (shape, polygon): The soils coverage of the area of interest for stormwater analysis. Attributes: Slsmajor1, Slsmminor1, Slsmmajor2, Slsmminor2, Slscode, Slname, Slstype, Slope, Slsecty, Muid, Edgenote, Attrnote, Edit, Qc, Unique\_id, Hydgrp\_1, Hydgrp2, Hyd\_grp, CN\_hyd\_grp, GIS\_Acres  
*Note: all attributes were developed by SC DNR and SSURGO*
- Soils (grid): A grid interpolated from the soils hydrologic group. Ten foot pixel resolution.
- NWI Land Use / Land Cover (coverage, polygon): A land use / land cover coverage compiled from the NWI's Land Use / Land Cover developed by S.C. Department of Natural Resources. Attributes: NWI\_LULC
- Existing Beaufort County Land Use / Land Cover (coverage, polygon): A land use / land cover derived from Beaufort County parcels, Beaufort County zoning, National Wetlands Inventory (NWI) and hydrography (derived from LiDAR and NWI). Attributes: SW\_LULC
- Existing Area of Interest Land Use / Land Cover (coverage, polygon): A land use / land cover derived from NWI land use (reclassified into the Beaufort County LULC) overlaid with the Beaufort County Existing LULC. Attributes: NWI\_LULC, Source, Beaufort\_LULC, SW\_LULC, GIS Acres
- Existing Land Use / Land Cover (grid): The compilation of LULC within Beaufort County and for the area of interest. The grid is an interpolation of the LULC classification. Ten foot pixel resolution.
- Existing Curve Number (Grid): The Existing CN was developed from an overlay of the soils and LULC grids. Ten foot pixel resolution. Value of grid is the CN assignment based upon soils and LULC.

## Future Conditions Curve Number

### Soils

Same as existing conditions.

## Future Conditions Land Use / Land Cover

Areas of Beaufort County that could be developed were designated a future land use / land cover. The designation was completed by the staff at Beaufort County Public Works and Planning Department.

## Methodology

### Task 1 – Development of LULC Classification Schema

Same as Existing Conditions

### Task 2– Identification of “Developable” Areas within Beaufort County

The following Existing Land Use / Land Covers were identified as lands that may be developed in the future:

Open Space  
Row Crop  
Silviculture  
Forestland  
Grassland

### Task 3– Determining Future Land Use / Land Cover

The staff of Beaufort County Public Works and Planning department designated a future land use / land cover to areas of the County that may be developed. The same LULC classifications were utilized in both the existing and future conditions.

## Future Conditions Curve Number

The Future Conditions Curve Number (CN) grid is developed from an overlay of the soils grid and the future conditions LULC grid.

## Methodology

### Task 1 – Development of Curve Number Assignment

The existing conditions Curve Number classification was utilized for future conditions. Note: Exhibit – CN Classification has the details of the engineering assigned curve number values.

### Task 2 – Derive a Curve Number Grid

The CN grid is developed from the overlay of the soil grid and future conditions LULC grid.

## Future Conditions - Deliverables

- Future Conditions Beaufort County Land Use / Land Cover (grid): A land use / land cover derived from existing conditions and staff designation of lands that may be developed. Ten foot pixel resolution. Attributes: Future\_LULC
- Future Conditions Beaufort County Curve Number (grid): The Future Conditions CN was developed from an overlay of the soils and future conditions LULC grids. Ten foot pixel resolution. Value of grid is the CN assignment based upon soils and future conditions LULC.

*Note: The SC DNR Soils was utilized for both future and existing conditions*

# PSMS Inventory

## Introduction: Primary Stormwater Management System

A “mapping grade” inventory of the components of the Primary Stormwater Management System (PSMS) is a data set that is required to complete the hydrologically-enforced digital elevation models of the watersheds, to enable the hydraulic modeling of the watersheds, and to develop costs for improvements, maintenance, and operation.

The quantities of each type of component are also required to estimate the scopes and costs of alternative levels of service for the stormwater management program. The development of the hydrologic model requires the locations of culverts and ditches to accurately create the flow direction aspects of the models.

The hydraulic model must include the characteristics of the following components to compute flow capacities:

- Culverts
- Ditches
- Storm sewers
- Impoundments
- Control structures
- Bridges

The data required to evaluate alternative levels of service includes:

- Miles of ditches
- Number of roadway crossings
- Miles of storm sewers
- Number of drainage structures
- Miles if improved stream channel
- Number of stormwater quantity management facilities
- Number of stormwater quality management facilities

## Methodology

### Task 1 – Development of PSMS Database

The database design is based upon the ArcHydro Data Model. This is the ESRI Industry standard database design for stormwater management. See the ArcHydro Data Model Exhibit for complete details of the database design. The stormwater inventory is in a personal geodatabase (Personnel Geodatabase – Access database) format.

### Task 2 – Field Data Collection

Available mapping of the drainage system is used for initial identification of the inventory locations. As other data, e.g., topography, hydrology, etc., are processed to further refine the Primary Stormwater Management System, additional inventory points are identified

The following describes the field collection procedure:

- Upon arrival at an inventory site, identify an open, flat area that can be expected to yield a LiDAR elevation that will provide vertical reference for the drainage feature. Using GPS equipment, establish coordinates of the reference elevation.
- Establish with GPS the locations of drainage features at the site.
- With conventional survey equipment, level and level rod, establish relative height of level and relative elevations of drainage features at the site.
- Utilizing survey level, level rod, and survey tape, determine relative elevations and locations of ground points that identify the cross-section of the drainage channel at the site (if applicable).
- The elevations and inverts are then adjusted in the computer relative to the 2002 LiDAR topography (NAVD 88).

### Task 3 – Development of Beaufort County Tables

All of the PSMS culvert, bridge, and weir data was collected in the field.

The following tables (including spatial tables) were added to the ArchHydro Data Model:

- Culverts
- Structural Condition (look up table)
- Structural End Treatment (look up table)
- Structural Material (look up table)
- Structural Type (look up table)
- Weir Geometry (look up table)

The Culvert Table (Culverts):

<b>FIELD</b>	<b>DESCRIPTION</b>
OBJECTID	Internal to GIS Software
SHAPE	Internal to GIS Software
HydroID	ArchHydro
CountyCode	Unique County Name
HydroCode	ArchHydro
FType	ArchHydro
Name	ArchHydro
SHAPE_Length	Internal to GIS Software
CountyCode	County Identifier of stormwater feature
Fld_Date	Field Inventory Data
Fld_Name	Field Inventory Name
Road_Name	if Road Crossing, the road name
Fld_Final_DCPT	Field determined outfall water body
Span	Culvert Span
Rise	Culvert Rise
Culvert_Type	Culvert Type
Mtrl	Culvert Material
LN	Culvert Length
Str_Cond	Cursory Condition Assessment
Model_Link_Name	ICPR
Manning_N	ICPR
Road_GPS	Field GPS Benchmark
Rod_Reading	Rod measurement
Benchmark	Elevation derived from LiDAR
Height_of_Instrument	Rod + LiDAR elevation
Rod_Invert_US	Rod Invert
US_Invert_Elev	Height of Instrument - Rod Invert
US_End_Treat	Culvert End Treatment
US_Silting	Amount of Silting (inches)
US_Model_Node	ICPR
Rod_Invert_DS	Rod Invert
DS_Invert_Elev	Height of Instrument - Rod Invert
DS_End_Treat	Culvert End Treatment
DS_Silting	Amount of Silting (inches)
DS_Model_Node	ICPR
Fld_Notes	Field Notes
Source	Method of acquiring information (e.g. field reconnaissance , as-builts, etc)

The Field Cross Section Table (CrossSection):

<b>FIELD</b>	<b>DESCRIPTION</b>
OBJECTID	Internal to GIS Software
SHAPE	Internal to GIS Software
HydroID	ArchHydro
CountyCode	Unique County Name
HydroCode	ArchHydro

ReachCode	ArchHydro
RiverCode	ArchHydro
CSCode	ArchHydro
JunctionID	ArchHydro
CSOrigin	ArchHydro
ProfileM	ArchHydro
Shape_Length	ArchHydro
CSBaseCode	Link back to Culvert table
CS_Invert	Lowest Field Collected elevation along cross section

The Field Cross Section Relate Table (CrossSectionPoint):

<b>FIELD</b>	<b>DESCRIPTION</b>
OBJECTID	Internal to GIS Software
CSCode	ArchHydro
CSBaseCode	Link to Culvert table
CrossM	Measurement or station along CS
Relative_Elevation	Field Elevation
Elevation	Elevation, adjusted to LiDAR benchmark

The Structure Table (Structure):

<b>FIELD</b>	<b>DESCRIPTION</b>
OBJECTID	Internal to GIS Software
SHAPE	Internal to GIS Software
HydroID	ArchHydro
CountyCode	Unique County Name
HydroCode	ArchHydro
FType	ArchHydro
Name	ArchHydro
JunctionID	ArchHydro
Fld Date	Date of Field Inventory
Fld Name	Field Inventory Name
Span	Weir Span
Rise	Weir Rise
Weir Type	Type of Weir
Weir Geometry	Weir Geometry
Rod Reading	Rod measurement
Benchmark	Elevation derived from LiDAR
Height of Instrument	Rod + LiDAR elevation
Rod_Invert	Rod Invert
Weir_Invert_Elev	Height of Instrument – Rod Invert
Fld_Notes	Field notes
GIS_Comment	GIS Comment

The Bridge Table (Bridge):

<b>FIELD</b>	<b>DESCRIPTION</b>
OBJECTID	Internal to GIS Software
SHAPE	Internal to GIS Software
HydroID	ArchHydro
CountyCode	Unique County Name
HydroCode	ArchHydro
Ftype	ArchHydro
Name	ArchHydro
JunctionID	ArchHydro

#### **Task 4 – County Naming Scheme**

Bridges, culverts, structures, and field cross sections were assigned a unique County Name. The unique name is maintained within the CountyCode field. The County naming scheme is as follows:

TaxDistrict-Waterbody-H/HSubbasinName-SequenceNumber

The following is an example of a culvert from the Beaufort watershed:  
120-21-SR\_M2-P800

The following are the codes that are utilized for each waterbody:

Beaufort River	21
Broad River	22
Calibogue Sound	11
Chechessee River	12
Coastal Area	23
Colleton River	13
Combahee River	24
Coosaw River	25
May River	14
Morgan River	26
New River	16
Whale Branch West	27

The Town of Hilton Head developed their own schema which was utilized for stormwater features within the Town's jurisdiction. The following was provided by the Town of Hilton Head Island:

*Each basin name shall consist of four components as follows:*

*AB-CDE-12-345*

<i>AB</i>	<i>= Creek outfall or receiving water body</i>
<i>CDE</i>	<i>= PUD or predominant neighborhood in the watershed</i>
<i>12</i>	<i>= Watershed number (if two or more with same outfall and neighborhood)</i>
<i>345</i>	<i>= Sub-basin number</i>

*Receiving Water Bodies*

<i>BA</i>	<i>Baynard Cove</i>
<i>BC</i>	<i>Braddock Cove</i>
<i>BR</i>	<i>Broad Creek</i>
<i>CA</i>	<i>Calibogue Sound</i>
<i>FH</i>	<i>Fish Haul Creek</i>
<i>FO</i>	<i>Folly Outfall</i>
<i>JV</i>	<i>Jarvis Creek</i>
<i>LC</i>	<i>Lawton Creek</i>
<i>OH</i>	<i>Old House Creek</i>
<i>NC</i>	<i>Non-Contributing</i>
<i>PA</i>	<i>Park Creek</i>
<i>PC</i>	<i>Point Comfort Creek</i>
<i>PR</i>	<i>Port Royal Sound</i>
<i>SK</i>	<i>Skull Creek</i>

*PUD or Neighborhood*

<i>AIR</i>	<i>= Airport</i>
<i>CHP</i>	<i>= Chaplin</i>
<i>FFD</i>	<i>= Folly Field</i>
<i>GAR</i>	<i>= Gardner</i>
<i>HHP</i>	<i>= Hilton Head Plantation</i>
<i>IRP</i>	<i>= Indigo Run</i>
<i>JNK</i>	<i>= Jenkins Island</i>
<i>JON</i>	<i>= Jonesville</i>
<i>LCC</i>	<i>= Long Cove Club</i>
<i>NFB</i>	<i>= North Forest Beach</i>
<i>MIT</i>	<i>= Mitchelville</i>
<i>MUD</i>	<i>= Muddy Creek</i>

*PDP = Palmetto Dunes*  
*PHP = Palmetto Hall*  
*PCT = Point Comfort*  
*PRP = Port Royal*  
*SFB = South Forest Beach*  
*SHC = Shelter Cove*  
*SHP = Shipyard Plantation*  
*SPP = Sea Pines*  
*SPW = Spanish Wells*  
*SQP = Squire Pope*  
*STO = Stoney*  
*WEX = Wexford*  
*XNG = Crossings*

*Watershed number*

*01 thru 99*

*01 shall be the most downstream watershed in that neighborhood/PUD or largest watershed if adjacent outfalls, while 99 shall be the most upstream.*

*Sub-Basin number*

*0001 thru 999*

*001 shall be the most downstream sub-basin in that watershed and numbers shall sequentially progress along the main stem until the first tributary is encountered. Numbers shall then proceed up the tributary to the headwater basin, and then start again at the main stem.*

## **PSMS - Deliverables**

- Primary Stormwater Inventory (geodatabase): The geodatabase was developed from the ESRI's ArcHydro data model. All spatial, relate tables and attribute data is contained in the geodatabase. It is a personal geodatabase (Access). The culvert, weirs, bridges, pump stations, field cross sections are maintained in the geodatabase.
- Field pictures: The digital pictures taken in the field of the PSMS.

## Acquired Water Quality GIS Data

### **Introduction: Water Quality GIS Data**

The following section describes the water quality GIS data acquired from various agencies for the Beaufort County Stormwater Masterplan. These data sets will be delivered to Beaufort County as they were received by each agency.

## Acquired Water Quality GIS Data - Deliverables

- SCDHEC Ambient WQ Monitoring Stations - 2002 303d point features (shape, point)
- SCDHEC Shellfish Monitoring Stations (shape, point)
- SCDHEC Fish Tissue Monitoring Stations (shape, point)
- SCDHEC Shellfish sensitive areas listed on the 2002 202(d) list (shape, polygon)
- SCDHEC Fish Advisory – rivers and streams (shape, arc). Advisory of rivers and streams that are monitored annually in March for mercury.
- NPDES Sites (shape, point). NPDES permitted dischargers (buildings and pipes) required to report monthly to SCDHEC.
- USGS Real Time Stations (shape, point)
- South Carolina Estuarine and Coastal Assessment Program Monitoring Sites – SCDNR (shape,point)
- Town of Hilton Head Monitoring Sites (shape, point). Provided by the Town of Hilton Head.

## Recommendations

Based upon modeling results, the Engineer developed recommendations for both water quantity and water quality issues.

## Recommendation - Deliverables

- H/H locations of recommended improvements (shape, point)
- H/H Potential Regional Detention Sites (shape, polygon)
- WQ Proposed County Monitoring Sites (shape, point)
- WQ Proposed DHEC Monitoring Sites (shape, point)
- WQ Priority Basins for Stormwater Controls (shape, polygon)
- WQ Potential Sites for Bacteria Source Tracking (shape, point)

## Ancillary Data Sets - Deliverables

Various data sets were developed during the analysis of water quantity and water quality.

- Areas of Sanitary Sewer (shape, polygon): The areas of sanitary sewer GIS data set was developed as a guideline to where areas of the County that were served by sanitary sewer. It was compiled from data acquired from BJWSA, other independent sanitary sewer providers, and staff's local knowledge. This data set should be used only for general planning purposes and should not be considered exact areas or acreages of land served by sanitary sewer.
- Spray Fields (shape, polygon): The spray fields GIS data set was compiled from data acquired from BJWSA, other independent sanitary sewer providers, and staff's local knowledge. This data set should be used only for general planning purposes and should not be considered exact areas or acreages of spray fields.
- Problem Areas (shape, polygon): The problem areas GIS data set was developed from input of Beaufort County Public Works staff and Municipal personnel. It is a generalized delineation of where known stormwater problem exists. Attributes: Staff's description of the stormwater problem. This data set should be used only for general planning purposes and should not be considered exact location of stormwater problems.



- Existing Stormwater Controls (shape, polygon): The existing stormwater controls GIS data set was compiled from Engineer's and County's local knowledge of developments that have some level of stormwater controls in place. Attributes: Type of Control (either 25-year peak shaving or BMP Anti-degradation). This data set should be used only for general planning purposes and should not be considered exact areas or acreages of land with existing stormwater controls.
- Potential Flooding Areas (grid): The potential areas of flooding were developed for known water quantity problem locations along evacuation routes. The delineation is not considered actual areas of inundation, but rather a generalized delineation of areas that may potentially flood due to modeled constrictions of the primary stormwater management system.

### **Overall Notes:**

Area of Interest: The working definition of the area of interest for Beaufort County's stormwater management analysis is the land (area) that affects the County's primary stormwater management system. Thus, it encompasses more than area than just Beaufort County. The area of interest was developed based upon engineering judgment utilizing the South Carolina's HUC-14 data set and USGS topographic data sets.

## Appendix O

### 2018 Capital Improvements Plan

## 2018 Update Recommended Capital Improvements Projects

3/3/2018

Project Name	Municipality	2015 Captial Costs	2017 Captial Costs	Notes
Brewer Memorial Park Demonstration Wet Pond Project Feasibility	Beaufort County	\$79,500	\$82,327	From 2015 CIP - In Progress (Funded)
Factory Creek M2	Beaufort County	\$1,740,000	\$1,801,883	From 2015 CIP - In Progress (Funded). Map updated by ATM to show Coleman & Academy Park locations.
Sawmill Creek Overtopping/Forby land	Beaufort County	\$150,000	\$155,335	From 2015 CIP - In Progress (Funded)
Salt Creek South M1	Beaufort County	\$2,045,000	\$2,117,730	From 2015 CIP - In Progress (Funded)
Shanklin Road M2	Beaufort County	\$3,340,000	\$3,458,787	From 2015 CIP - In Progress (Funded)
SC170/Okatie West	Beaufort County	\$975,000	\$1,009,676	From 2015 CIP
Grober Hill M2	Port Royal	\$2,525,000	\$2,614,801	From 2015 CIP
Camp St. Mary M2	Beaufort County	\$3,757,000	\$3,890,617	From 2015 CIP This project is complaint driven (not model driven)
Battery Creek West M1	Beaufort City	\$4,140,000	\$4,287,238	From 2015 CIP
Sawmill Branch 1 Regional BMP	Beaufort County	NA	\$2,063,688	This is across the street from the Forby/Sawmill project currently in progress. This project would be a compliment to the current p recommended to be considered, however can take a lower priority than othres in this list.
Sawmill Branch 2 Regional BMP	Beaufort County	NA	\$1,071,064	
Jarvis Creek 2 Regional BMP	Hilton Head	NA	\$2,443,649	
Broad Creek 4 Regional BMP	Hilton Head	NA	\$991,759	
Rock Springs Creek 1 Regional BMP	Beaufort County	NA	\$430,524	
Lucy Point Creek Regional BMP	Beaufort County	NA	\$438,293	
Albergotti Creek 2 Regional BMP	Beaufort County	NA	\$602,447	This is in close proximity to the Shanklin Road Project (above) as it is currently being designed and relocated due to project needs. located on a separate tributary than the Shanklin Road Project and therefore it is recommended to be considered, however can tal priority than others in this list.
Battery Creek N1 Regional BMP	Beaufort City	NA	\$1,369,982	
Battery Creek N2 Regional BMP	Beaufort City	NA	\$618,543	

\*2017 costs are calculated using historical cost indices from RSMears

Previous (2015) Unfunded Projects	\$11,802,333
NEW ADDITIONAL PROJECTS	\$10,029,949
<b>TOTAL</b>	<b>\$21,832,282</b>

In Progress (Funded) and items from 2015 CIP were reviewed and analyzed against the current update information and are recommended to be retained. Others were removed from the 2015 list. No updates to the attached "cards" were completed with the exception of the Factory Creek M@ project.

# New 2017 CIP Vicinity Map

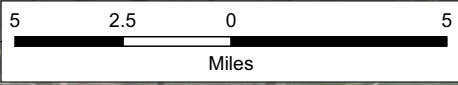
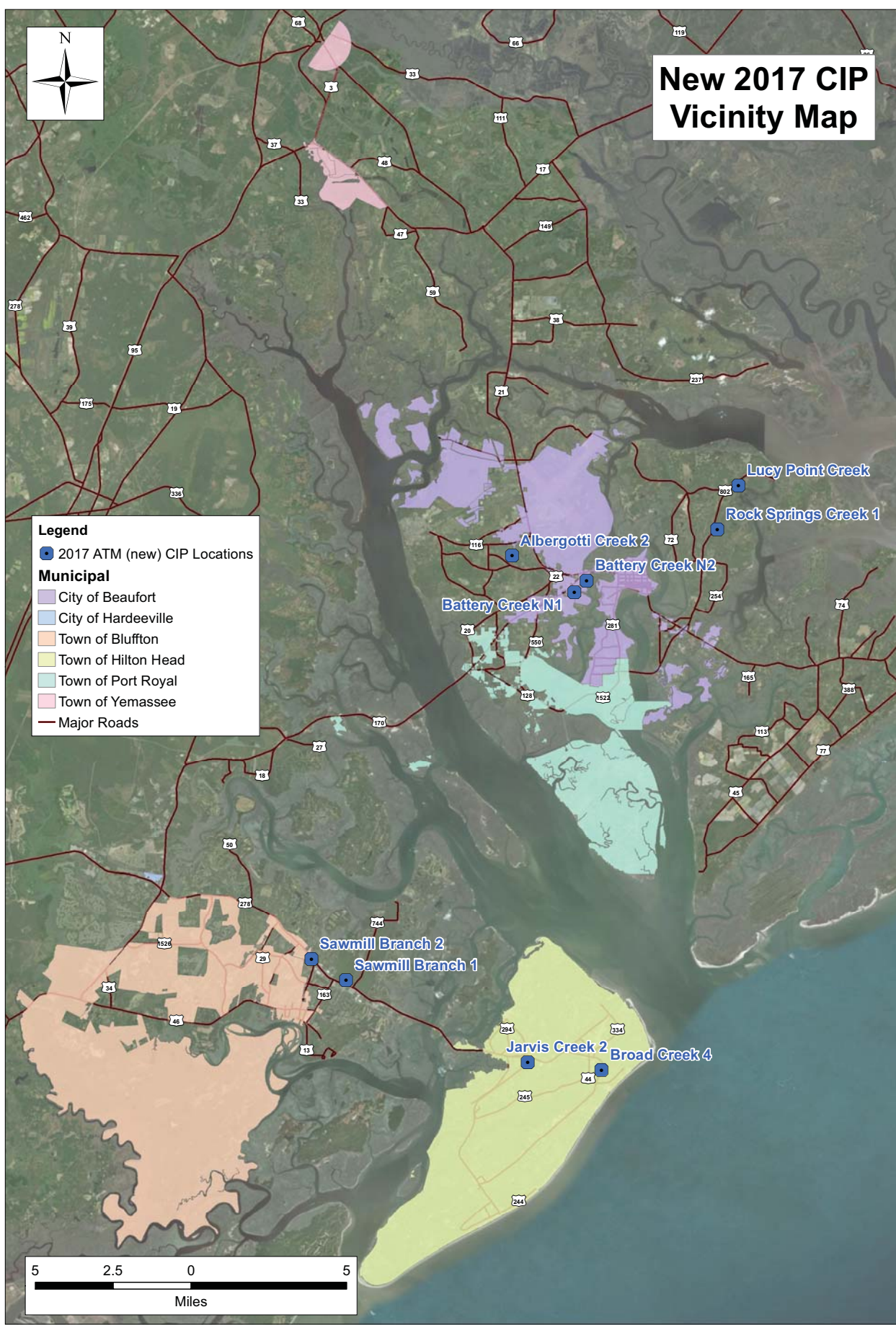


**Legend**

- 2017 ATM (new) CIP Locations

**Municipal**

- City of Beaufort
- City of Hardeeville
- Town of Bluffton
- Town of Hilton Head
- Town of Port Royal
- Town of Yemassee
- Major Roads



CIP Vicinity Map Showing New 2017 Recommended Projects for Beaufort County.

ESRI Aerial Imagery Shown and Municipality and Roads Layers Provided by Beaufort County.





**County Retrofit Project: Brewer Memorial Park Demonstration Wet Pond Project Feasibility**  
**Activity: Demonstration BMP**  
**Township: Lady's Island**

**Project Schedule: FY 2015, 2016 & 2018**

**Project Cost: \$79,500**  
**\$9,500 (2015)**  
**\$20,000 (2016)**  
**\$50,000 (2018)**



Drainage	
TYPE	
	Roadside
	River
	Creek/Stream
	Roadside Pipe
	River/Creek/Marsh BANK
	Road Pipe
	Channel (fka Outfall)
	Crossline Pipe
	Channel Pipe
	Driveway Pipe
	Lateral
	Access Pipe
	Lateral Pipe
	Bleeder Pipe



**1 inch = 167 feet**

Prepared By: BC Stormwater Management Utility  
 Date Print: 5/19/14

**Description:** Retrofit a former bait pond at the Brewer Memorial Park on Lady's Island. The site has runoff from Sea Island Parkway and adjacent properties that discharges directly to Factory Creek without water quality treatment or volume reduction. The site is envisioned as a demonstration site due to the high profile location. The park is being built with separate funding through the Beaufort Open Land Trust and will include a boardwalk and landscaping around the pond, providing opportunity for viewing and public education.



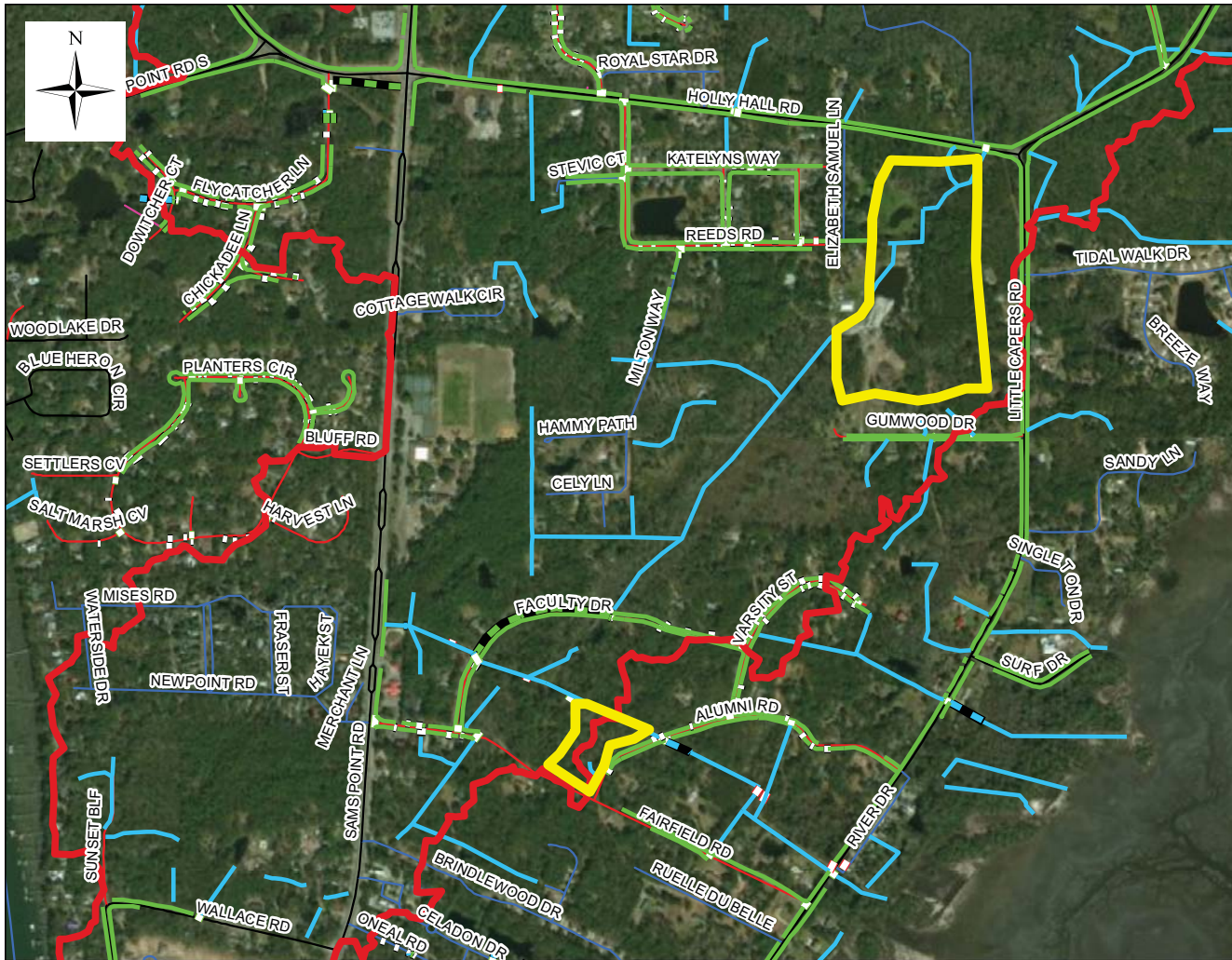
# County Retrofit Project: Factory Creek M2

## Activity: Regional BMP

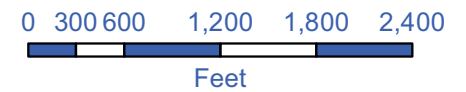
### Township: Lady's Island

**Project Schedule: FY 2018, 2020 & 2022**

**Project Cost: \$1,740,000**  
 \$200,000 (2018)  
 \$340,000 (2020)  
 \$1,200,000 (2022)



Drainage TYPE	
	Access Pipe
	Bleeder Pipe
	Channel
	Creek/Stream
	Roadside
	Roadside Pipe
	Driveway Pipe
	Lateral
	Lateral Pipe
	River
	Road Pipe
	Crossline Pipe



**1 inch = 1,200 feet**

Prepared By:  
 Applied Technology & Management on 3/3/18  
 Based on:  
 BC Stormwater Management Utility Map  
 (Printed 5/9/14)



**Description:** Development in the Factory Creek hydrologic sub-basin in the Rock Springs Creek watershed includes approx. 300 acres of a mix of single family development, and commercial/institutional development built prior to stormwater regulations. There are only a few stormwater best management practices, such as detention basins, in the area. The project would be to construct a regional detention facility to provide stormwater runoff water quality treatment and volume reduction. Due to the grades of the area and the "stop gap measure" to construct a ditch to drain a portion of the wetland, construction will involve a large amount of earthwork, making project cost a limiting factor for project implementation. Rock Springs Creek drains into the Morgan River, which is impaired by bacteria pollution, a major source being urban runoff. The site is located in Beaufort County on Lady's Island.



**County Retrofit Project: Sawmill Creek Overtopping/Forby Land**  
**Activity: Mitigation BMP**  
**Township: Bluffton**

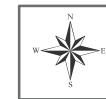
**Project Schedule: FY 2016-2017**

**Project Cost: \$150,000**  
**\$125,000 (2016)**  
**\$25,000 (2017)**



**Drainage**

TYPE	
River	— River
Creek/Stream	— Creek/Stream
River/Creek/Marsh BANK	— River/Creek/Marsh BANK
Channel (fka Outfall)	— Channel (fka Outfall)
Channel Pipe	— Channel Pipe
Lateral	— Lateral
Lateral Pipe	— Lateral Pipe
Roadside	— Roadside
Roadside Pipe	— Roadside Pipe
Road Pipe	— Road Pipe
Crossline Pipe	— Crossline Pipe
Driveway Pipe	— Driveway Pipe
Access Pipe	— Access Pipe
Bleeder Pipe	— Bleeder Pipe



**1 inch = 667 feet**

Prepared By: BC Stormwater Management Utility  
 Date Print: 5/19/14

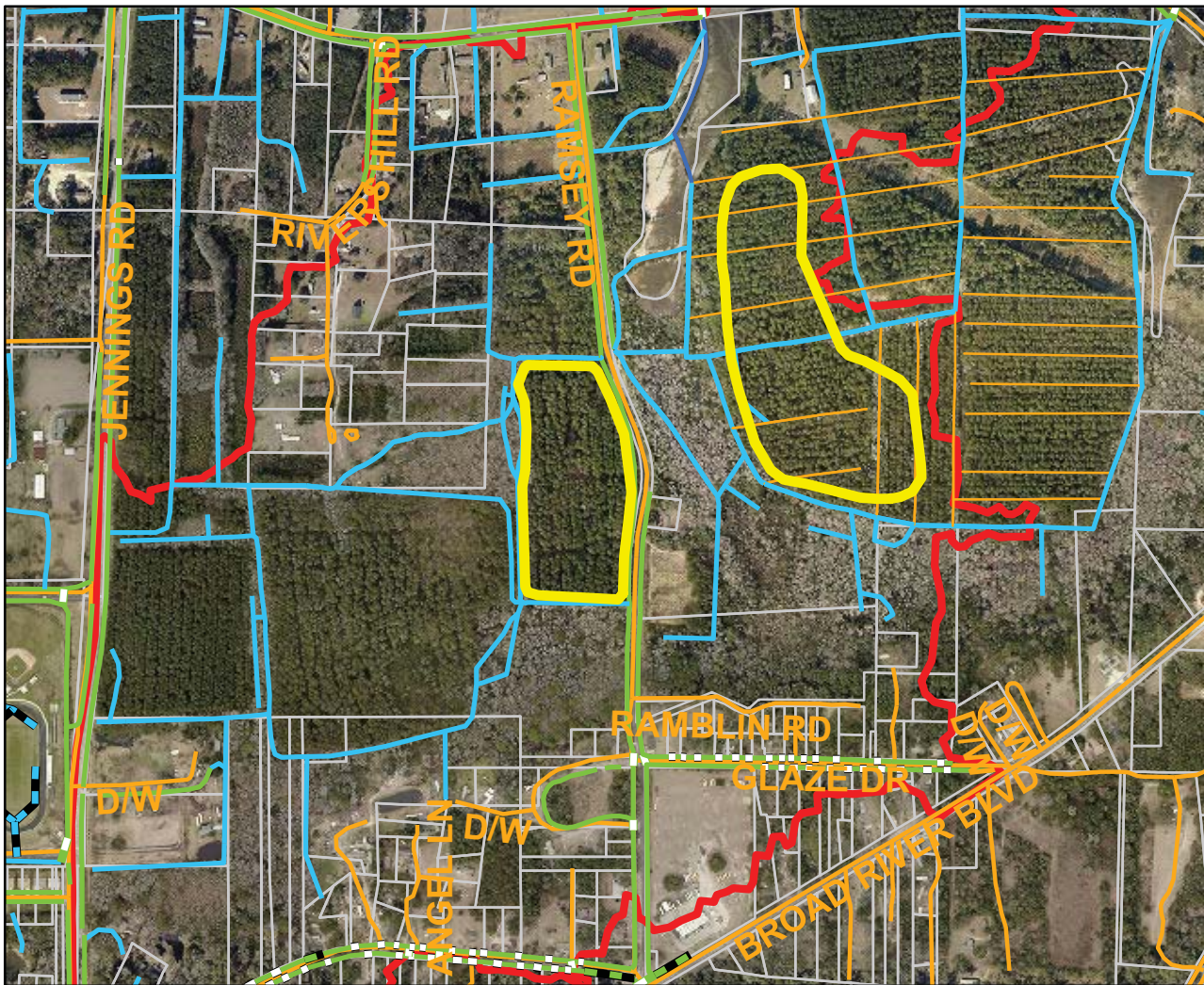
**Description:** Overtopping of US 278 near Sawmill Creek Road during a 100 - year storm event was identified in the 2006 Stormwater Master Plan. US 278 serves as an evacuation route during a hurricane. The project scope is to construct a detention pond via a wetland enhancement to slow stormwater discharge to the existing culverts under US 278 and to provide water quality treatment and runoff volume reduction. The project will be in conjunction with another project to construct a frontage road in the location providing additional interconnectivity along the south side of the highway.



**County Retrofit Project: Salt Creek South M1**  
**Activity: Regional BMP**  
**Township: Port Royal Island**

**Project Schedule: FY 2018-2020**

**Project Cost: \$2,045,000**  
 \$245,000 (2018)  
 \$400,000 (2019)  
 \$1,400,000 (2020)



Drainage	
TYPE	
River	Roadside
Creek/Stream	Roadside Pipe
River/Creek/Marsh BANK	Road Pipe
Channel (fka Outfall)	Crossline Pipe
Channel Pipe	Driveway Pipe
Lateral	Access Pipe
Lateral Pipe	Bleeder Pipe



**1 inch = 833 feet**

Prepared By: BC Stormwater Management Utility  
 Date Print: 5/19/14

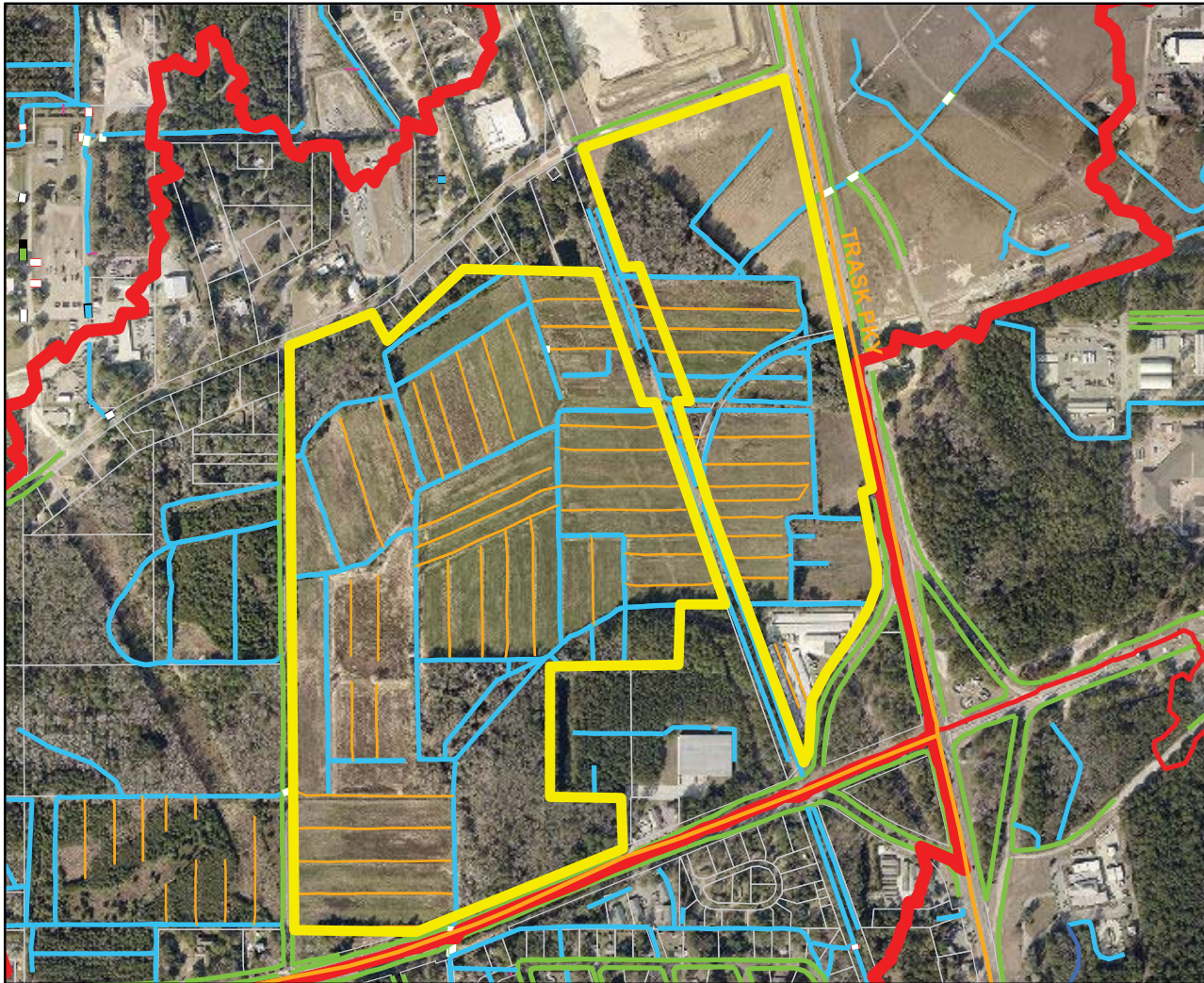
**Description:** Development in the Salt Creek South hydrologic sub-basin in the Albergotti Creek watershed includes approx. 330 acres of rural and single family development built prior to stormwater regulations. There are no stormwater best management practices, such as detention facilities, in the area. The project would be to construct a regional detention facility to provide stormwater runoff water quality treatment and volume reduction. Due to the presence of multiple wetlands in the area, project design would involve delineation and avoidance of the wetlands, making construction cost a limiting factor for project implementation. Albergotti Creek is impaired by bacteria pollution, a major source being urban runoff. The Creek is being proposed for reclassification to allow shellfish harvesting, making this project a higher priority than in the past. The watershed of the site is located within Beaufort County.



**County Retrofit Project: Shanklin Road M2**  
**Activity: Regional BMP**  
**Township: Port Royal Island**

**Project Schedule: FY 2018-2019 & FY 2021**

**Project Cost: \$3,340,000**  
**\$330,000 (2018)**  
**\$660,000 (2019)**  
**\$2,350,000 (2021)**



Drainage	
TYPE	
River	— River
Creek/Stream	— Creek/Stream
River/Creek/Marsh BANK	— River/Creek/Marsh BANK
Channel (fka Outfall)	— Channel (fka Outfall)
Channel Pipe	— Channel Pipe
Lateral	— Lateral
Lateral Pipe	— Lateral Pipe
Roadside	— Roadside
Roadside Pipe	— Roadside Pipe
Road Pipe	— Road Pipe
Crossline Pipe	— Crossline Pipe
Driveway Pipe	— Driveway Pipe
Access Pipe	— Access Pipe
Bleeder Pipe	— Bleeder Pipe



**1 inch = 917 feet**

Prepared By: BC Stormwater Management Utility  
 Date Print: 5/19/14

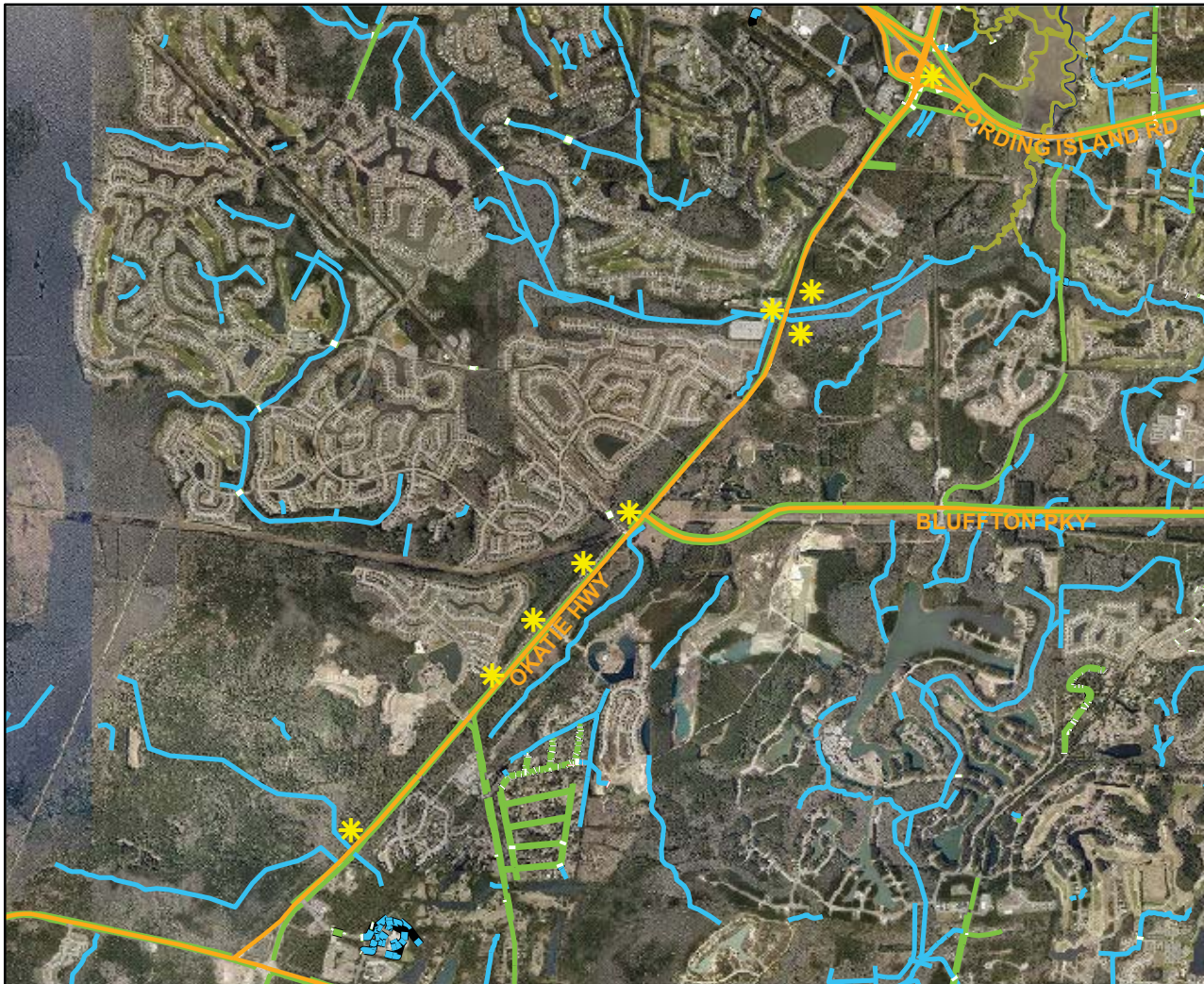
**Description:** Development in the Shanklin Road hydrologic sub-basin in the Albergotti Creek watershed includes approx. 600 acres of rural, single family development, commercial, and industrial built prior to stormwater regulations. There are no stormwater best management practices, such as detention facilities, in the area. The project would be to construct a regional detention facility to provide stormwater runoff water quality treatment and volume reduction. Due to the presence of multiple wetlands in the area, project design would involve delineation and avoidance of the wetlands, making construction cost a limiting factor for project implementation. Albergotti Creek is impaired by bacteria pollution, a major source being urban runoff. The Creek is being proposed for reclassification to allow shellfish harvesting, making this project a higher priority than in the past. The watershed of the site is located within Beaufort County.



**County Retrofit Project: SC170/Okatie West**  
**Activity: Regional/Retrofit BMP**  
**Township: Bluffton**

**Project Schedule: FY 2015-2017**

**Project Cost: \$975,000**  
 \$60,000 (2015)  
 \$315,000 (2016)  
 \$600,000 (2017)



**Drainage**

TYPE	
	River
	Creek/Stream
	River/Creek/Marsh BANK
	Channel (fka Outfall)
	Channel Pipe
	Lateral
	Lateral Pipe
	Roadside Pipe
	Road Pipe
	Crossline Pipe
	Driveway Pipe
	Access Pipe
	Bleeder Pipe



**1 inch = 3,771 feet**

Prepared By: BC Stormwater Management Utility  
 Date Print: 5/19/14

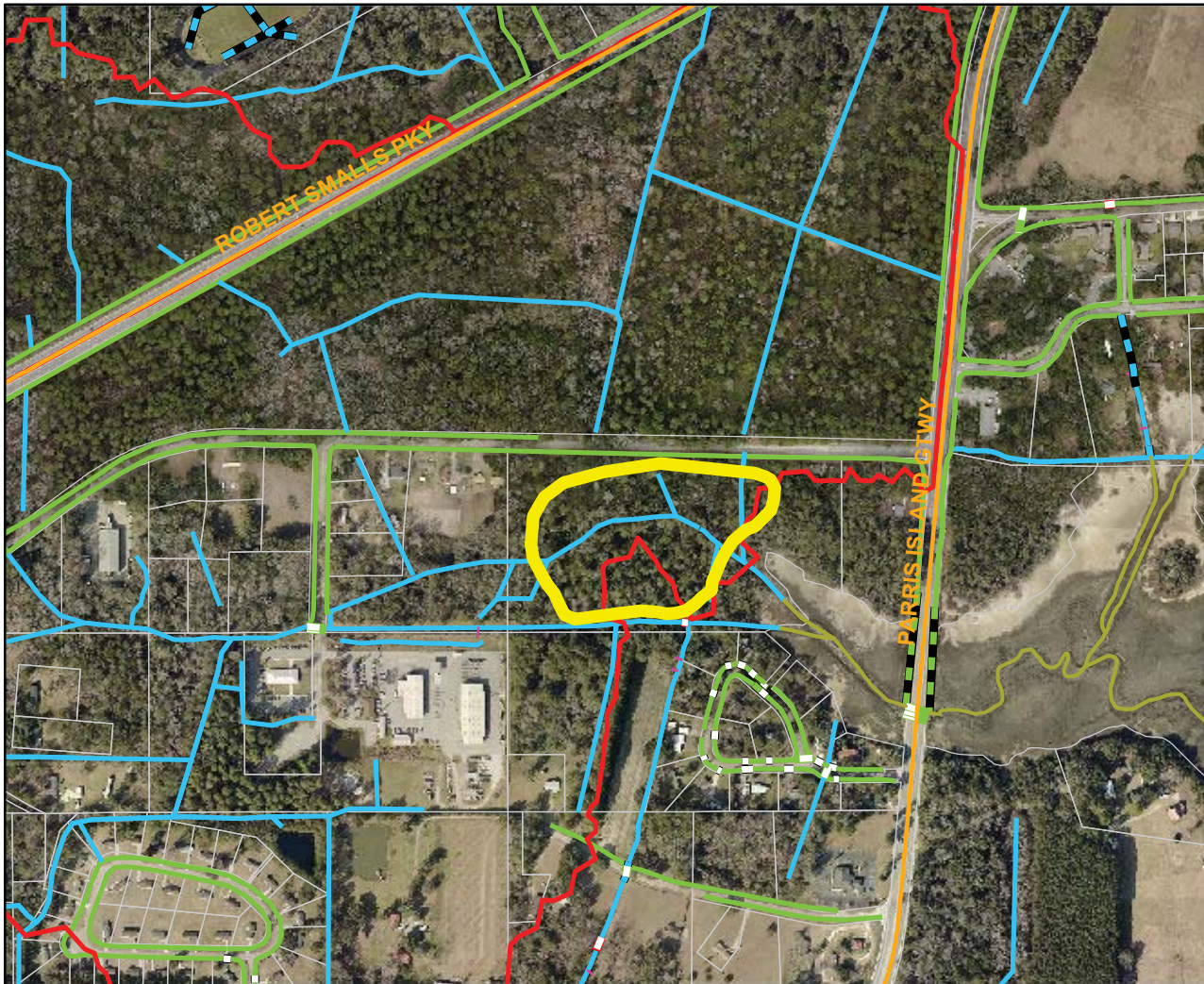
**Description:** The Okatie River watershed has been identified as a high priority watershed for water quality improvements due to bacteria contamination. The east branch of the headwaters was improved in FY2014 with a wetland enhancement project near Island West golf course and subdivision. A similar enhancement or detention basin is planned for the west branch. Increased runoff from the widening of SC170 in the west branch subwatershed basin adds to the need for a retrofit to the watershed to improve stormwater runoff water quality and reduce runoff volume. The project is a series of detention basins along SC170.



**County Retrofit Project: Grober Hill M2**  
**Activity: Regional BMP**  
**Township: Port Royal Island**

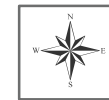
**Project Schedule: FY 2018,2020 & 2022**

**Project Cost: \$2,525,000**  
**\$225,000 (2018))**  
**\$900,000 (2020)**  
**\$1,400,000 (2022)**



**Drainage**

TYPE	
	River
	Creek/Stream
	Roadside
	Roadside Pipe
	Channel (fka Outfall)
	Channel Pipe
	Lateral
	Lateral Pipe
	Road Pipe
	Crossline Pipe
	Driveway Pipe
	Access Pipe
	Bleeder Pipe



**1 inch = 667 feet**

Prepared By: BC Stormwater Management Utility  
 Date Print: 5/19/14

**Description:** Development in the Grober Hill hydrologic sub-basin in the Battery Creek watershed includes approx. 130 acres of single family development built prior to stormwater regulations. There are no stormwater best management practices, such as detention facilities, in the area. The project would be to construct a regional detention facility to provide stormwater runoff water quality treatment and volume reduction. Due to the grades of the area, construction will involve a large amount of earthwork, making project cost a limiting factor for project implementation. Battery Creek is impaired by bacteria pollution, a major source being urban runoff. The site is located in the City of Beaufort.



**County Retrofit Project: Camp St. Mary's M2**  
**Activity: Regional BMP**  
**Township: Bluffton**

**Project Schedule: FY 2021-2023**

**Project Cost: \$3,757,000**  
**\$342,000 (2021)**  
**\$165,000 (2022)**  
**\$3,250,000 (2023)**



Drainage	
TYPE	
	River
	Creek/Stream
	River/Creek/Marsh BANK
	Channel (fka Outfall)
	Channel Pipe
	Lateral
	Lateral Pipe
	Roadside
	Roadside Pipe
	Road Pipe
	Crossline Pipe
	Driveway Pipe
	Access Pipe
	Bleeder Pipe



**1 inch = 1,457 feet**

Prepared By: BC Stormwater Management Utility  
 Date Print: 5/19/14

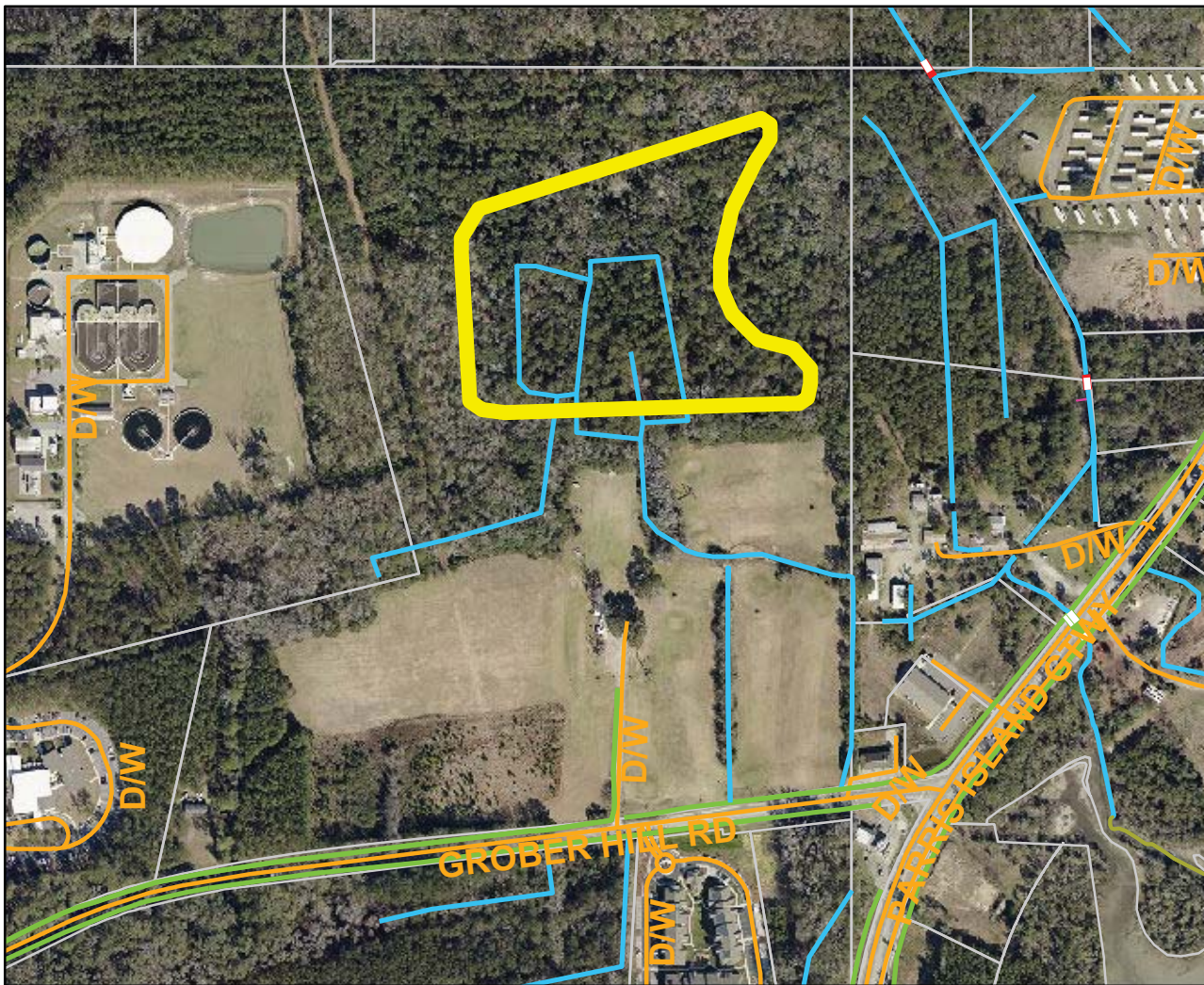
**Description:** Development in the Camp St. Mary hydrologic sub-basin in the Okatie River watershed includes approx. 500 acres of rural and single family development built prior to stormwater regulations. There are no stormwater best management practices, such as detention facilities, in the area. The project would be to construct a regional detention facility to provide stormwater runoff water quality treatment and volume reduction. Due to the presence of multiple wetlands in the area, project design would involve delineation and avoidance of the wetlands, making construction cost a limiting factor for project implementation. Okatie River is impaired by bacteria pollution, a major source being urban runoff. The watershed of the site is located within both Beaufort and Jasper Counties.



**County Retrofit Project: Battery Creek West M1**  
**Activity: Regional BMP**  
**Township: Port Royal Island**

**Project Schedule: FY 2022-2024**

**Project Cost: \$4,140,000**  
**\$375,000 (2022)**  
**\$165,000 (2023)**  
**\$3,600,000 (2024)**



Drainage	
TYPE	
	Roadside
	Roadside Pipe
	River
	Road Pipe
	Creek/Stream
	Crossline Pipe
	River/Creek/Marsh BANK
	Channel (fka Outfall)
	Driveway Pipe
	Channel Pipe
	Lateral
	Access Pipe
	Lateral Pipe
	Bleeder Pipe



**1 inch = 500 feet**

Prepared By: BC Stormwater Management Utility  
 Date Print: 5/19/14

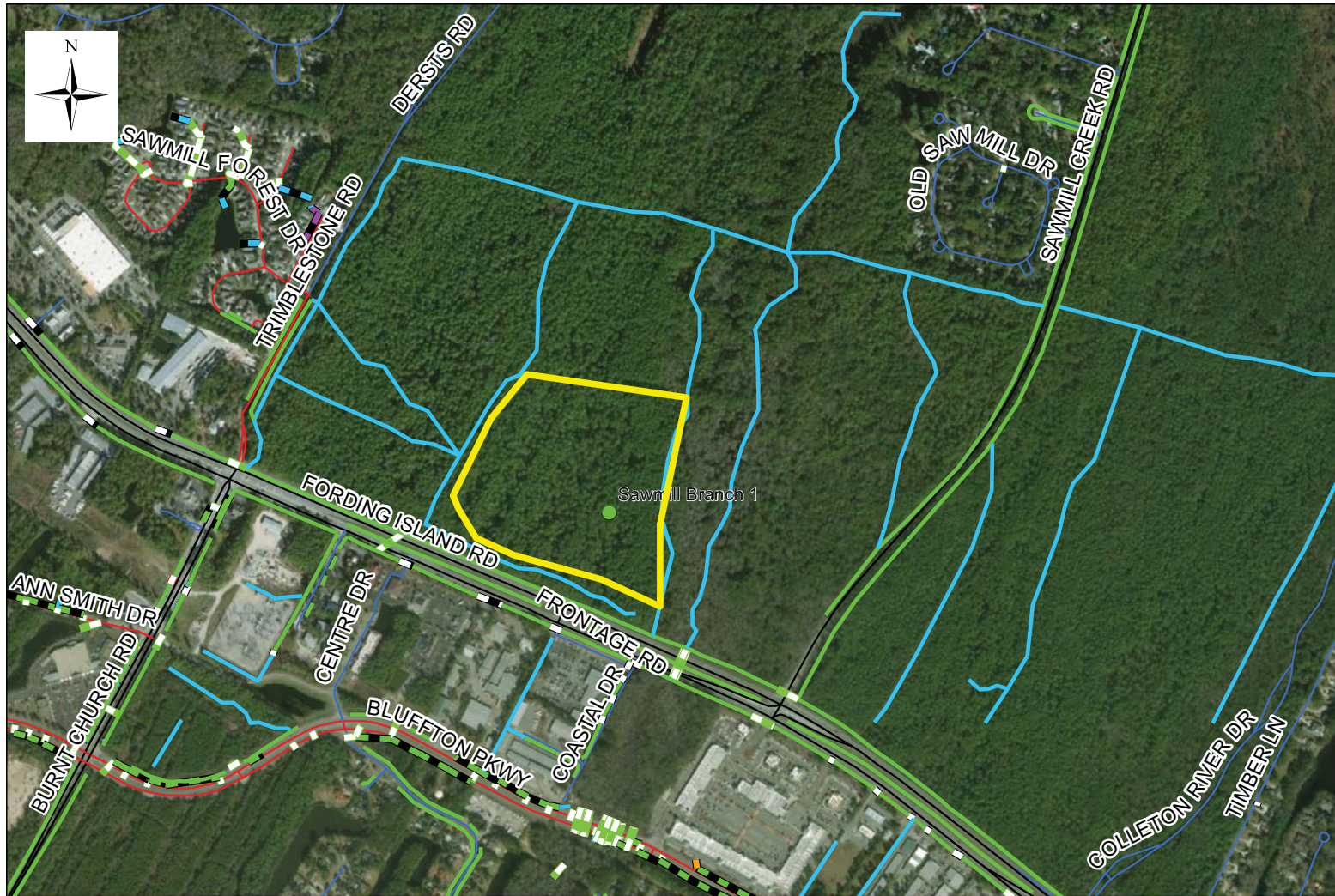
**Description:** Development in the Battery Creek West hydrologic sub-basin in the Battery Creek watershed includes approx. 500 acres of a mix of single family development and commercial development built prior to stormwater regulations. There are only a few stormwater best management practices, such as hydrodynamic separators, in the area. The project would be to construct a regional detention facility to provide stormwater runoff water quality treatment and volume reduction. Due to the grades of the area, construction will involve a large amount of earthwork, making project cost a limiting factor for project implementation. Battery Creek is impaired by bacteria pollution, a major source being urban runoff. The site is located in the Town of Port Royal.



January 2018














## Sawmill Branch 1 Regional BMP Bluffton / Beaufort County

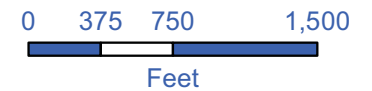
Project Cost  
**\$2,063,688**



### Drainage

#### TYPE

-  Access Pipe
-  Bleeder Pipe
-  Channel Pipe
-  Channel
-  Creek/Stream
-  Crossline Pipe
-  Driveway Pipe
-  Lateral
-  Lateral Pipe
-  River
-  Road Pipe
-  Roadside
-  Roadside Pipe



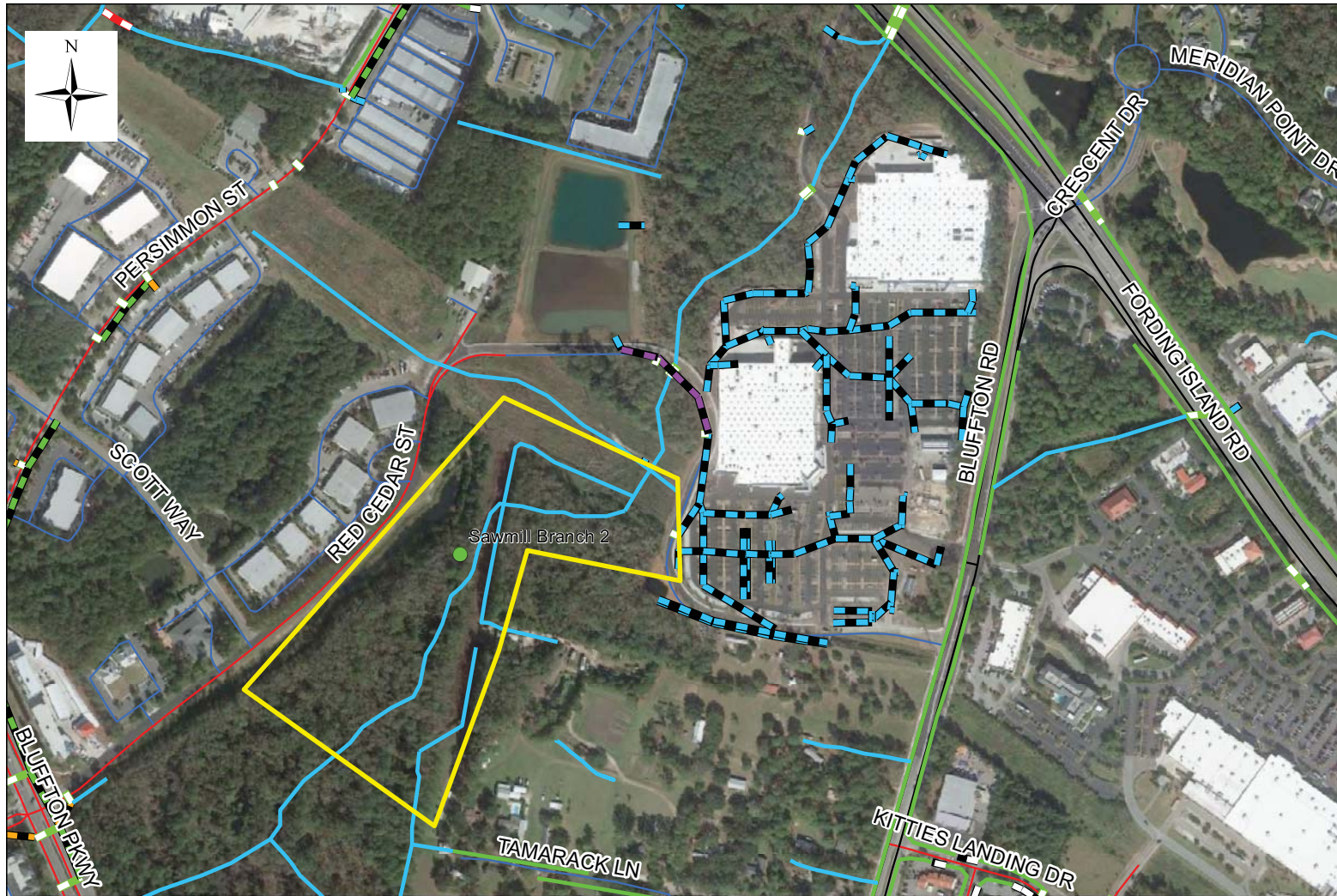
**Description:** Development in the Sawmill Branch 1 hydrologic basin in the Colleton River watershed includes approx. 310 acres of commercial and single-family development built prior to volume control stormwater regulations. There are stormwater best management practices, such as detention facilities, in the area. The project would be to construct a regional detention facility to provide stormwater runoff water quality treatment and volume reduction. Due to the presence of multiple wetlands in the area, project design would involve delineation and avoidance of the wetlands. The watershed of the site is located within Bluffton/Beaufort County.



January 2018














## Sawmill Branch 2 Regional BMP Bluffton / Beaufort County

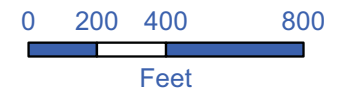
**Project Cost**  
**\$1,071,064**



### Drainage

#### TYPE

-  Access Pipe
-  Bleeder Pipe
-  Channel Pipe
-  Channel
-  Creek/Stream
-  Crossline Pipe
-  Driveway Pipe
-  Lateral
-  Lateral Pipe
-  River
-  Road Pipe
-  Roadside
-  Roadside Pipe



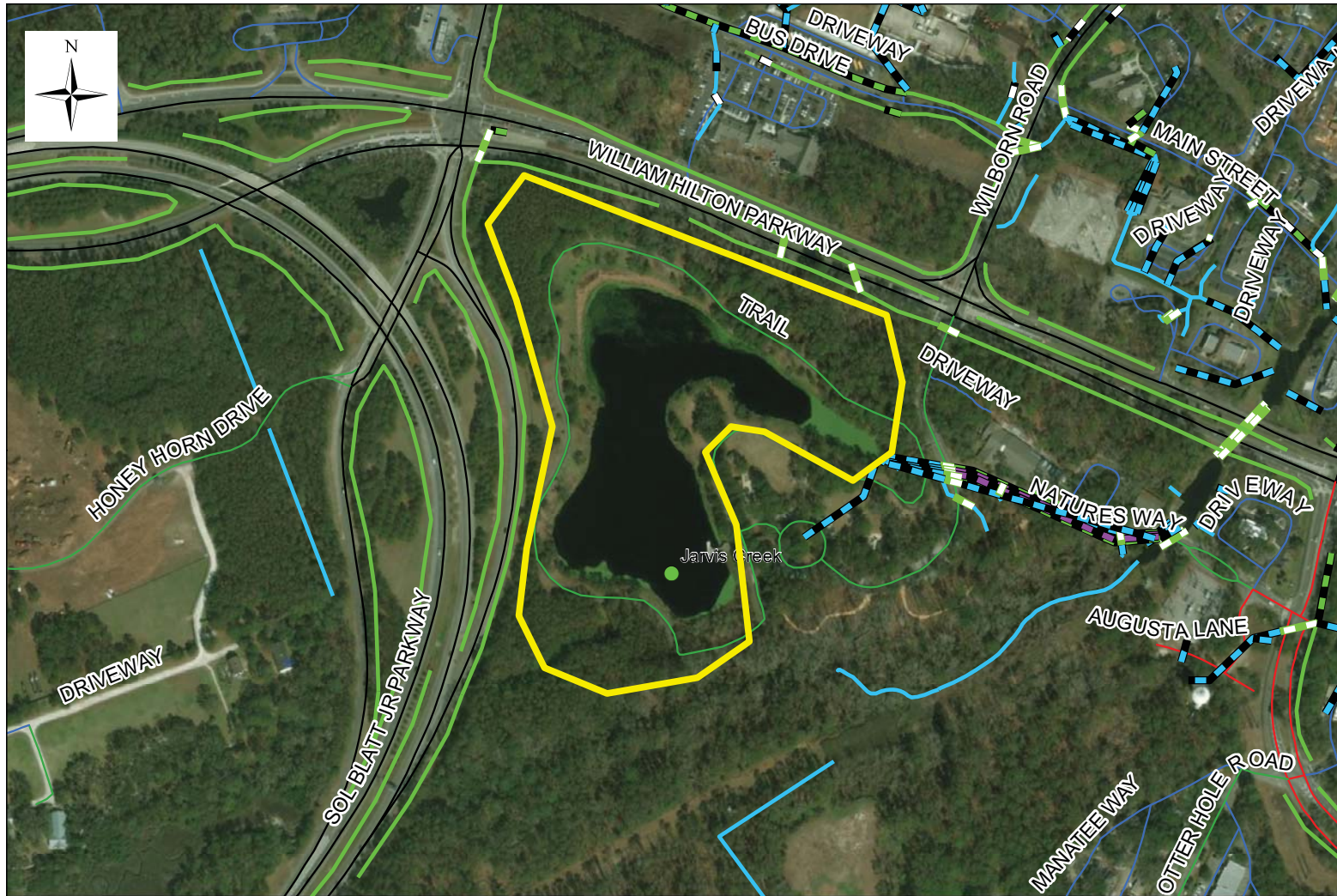
**Description:** Development in the Sawmill Branch 1 hydrologic basin in the Colleton River watershed includes approx. 270 acres of commercial and single-family development built prior to volume control stormwater regulations. There are stormwater best management practices, such as detention facilities, in the area. The project would be to construct a regional detention facility to provide stormwater runoff water quality treatment and volume reduction. Due to the presence of multiple wetlands in the area, project design would involve delineation and avoidance of the wetlands. The watershed of the site is located within Bluffton/Beaufort County.



January 2018














## Jarvis Creek 2 Regional BMP Township: Hilton Head Island

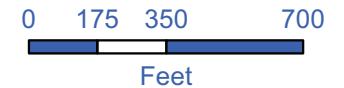
Project Cost  
**\$2,443,649**



### Drainage

#### TYPE

-  Access Pipe
-  Bleeder Pipe
-  Channel Pipe
-  Channel
-  Creek/Stream
-  Crossline Pipe
-  Driveway Pipe
-  Lateral
-  Lateral Pipe
-  River
-  Road Pipe
-  Roadside
-  Roadside Pipe



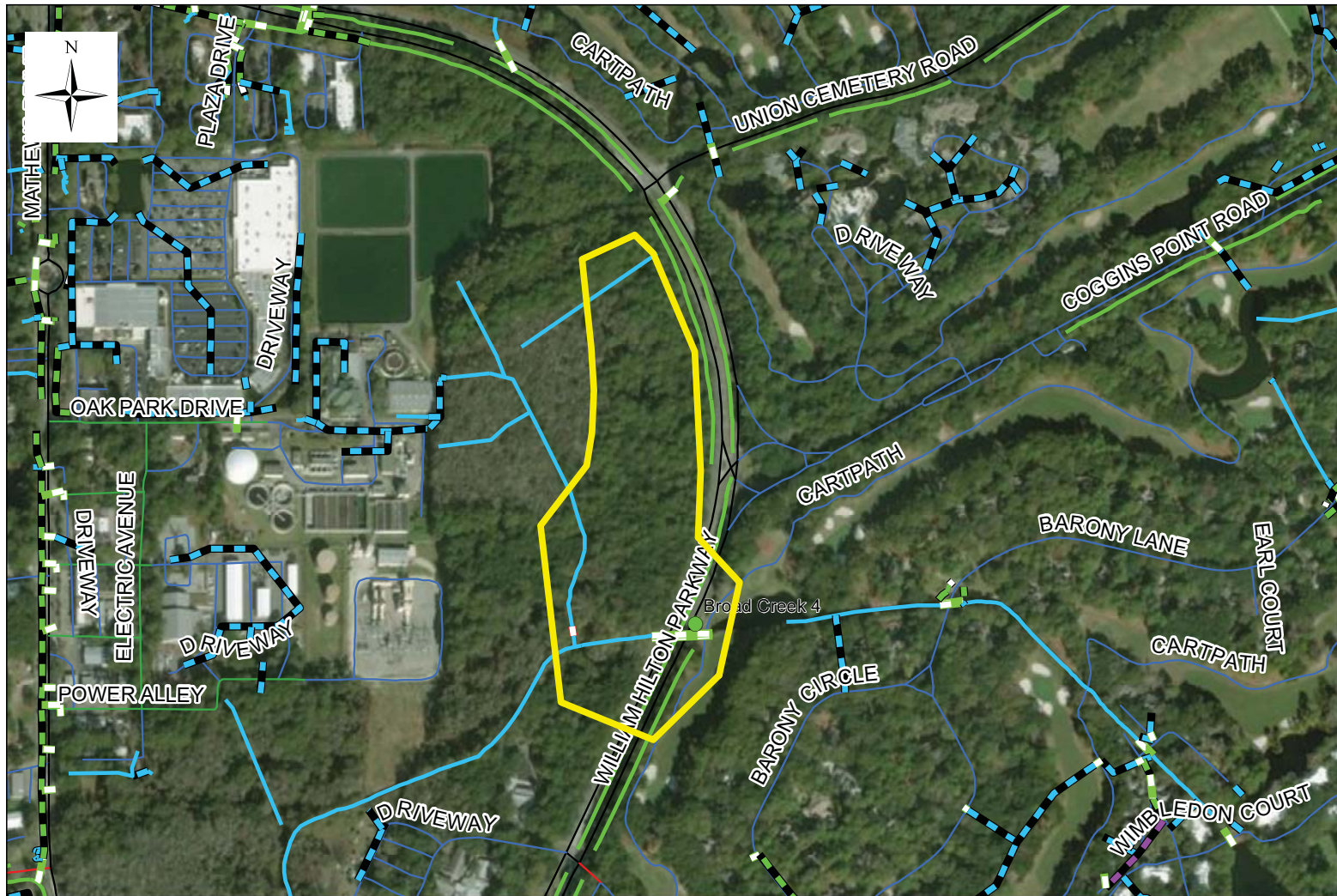
**Description:** Development in the Jarvis Creek 2 hydrologic basin includes approx. 923 acres of commercial, golf course and single-family development built prior to volume control stormwater regulations. There are stormwater best management practices, such as detention facilities, in the area. The project would be to construct modifications to the existing regional wet detention pond in vicinity of William Hilton Parkway and Sol Blatt Jr. Parkway. Proposed modifications include permanent pool expansion, littoral shelf creation and structure modification to provide stormwater runoff water quality treatment and volume reduction. Due to the presence of some wetlands in the area, project design would involve delineation and avoidance of the wetlands. Jarvis Creek is impaired by bacteria pollution.



January 2018














## Broad Creek 4 Regional BMP Township: Hilton Head Island

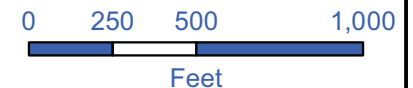
**Project Cost**  
**\$991,759**



### Drainage

#### TYPE

-  Access Pipe
-  Bleeder Pipe
-  Channel Pipe
-  Channel
-  Creek/Stream
-  Crossline Pipe
-  Driveway Pipe
-  Lateral
-  Lateral Pipe
-  River
-  Road Pipe
-  Roadside
-  Roadside Pipe



**Description:** Development in the Broad Creek 4 hydrologic basin includes approx. 750 acres of golf course and single-family development built prior to volume control stormwater regulations. There are stormwater best management practices, such as detention facilities, in the area. The project would be to create additional storage via modified structure from golf course and to construct a regional wet detention pond adjacent to William Hilton Parkway. The project will provide stormwater runoff water quality treatment and volume reduction. Due to the presence of some wetlands in the area, project design would involve delineation and avoidance of the wetlands. Broad Creek is impaired by bacteria pollution.



February 2018

# Rock Springs Creek 1 Regional BMP Township: Lady's Island

Project Cost  
**\$430,524**



### Legend

- Approximate BMP Location
- Watershed Served

### Drainage

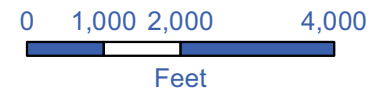
#### TYPE

- Channel
- Creek/Stream
- River

### Streets

#### Owner

- COUNTY
- MUNICIPALITY
- PRIVATE
- STATE
- Parcels



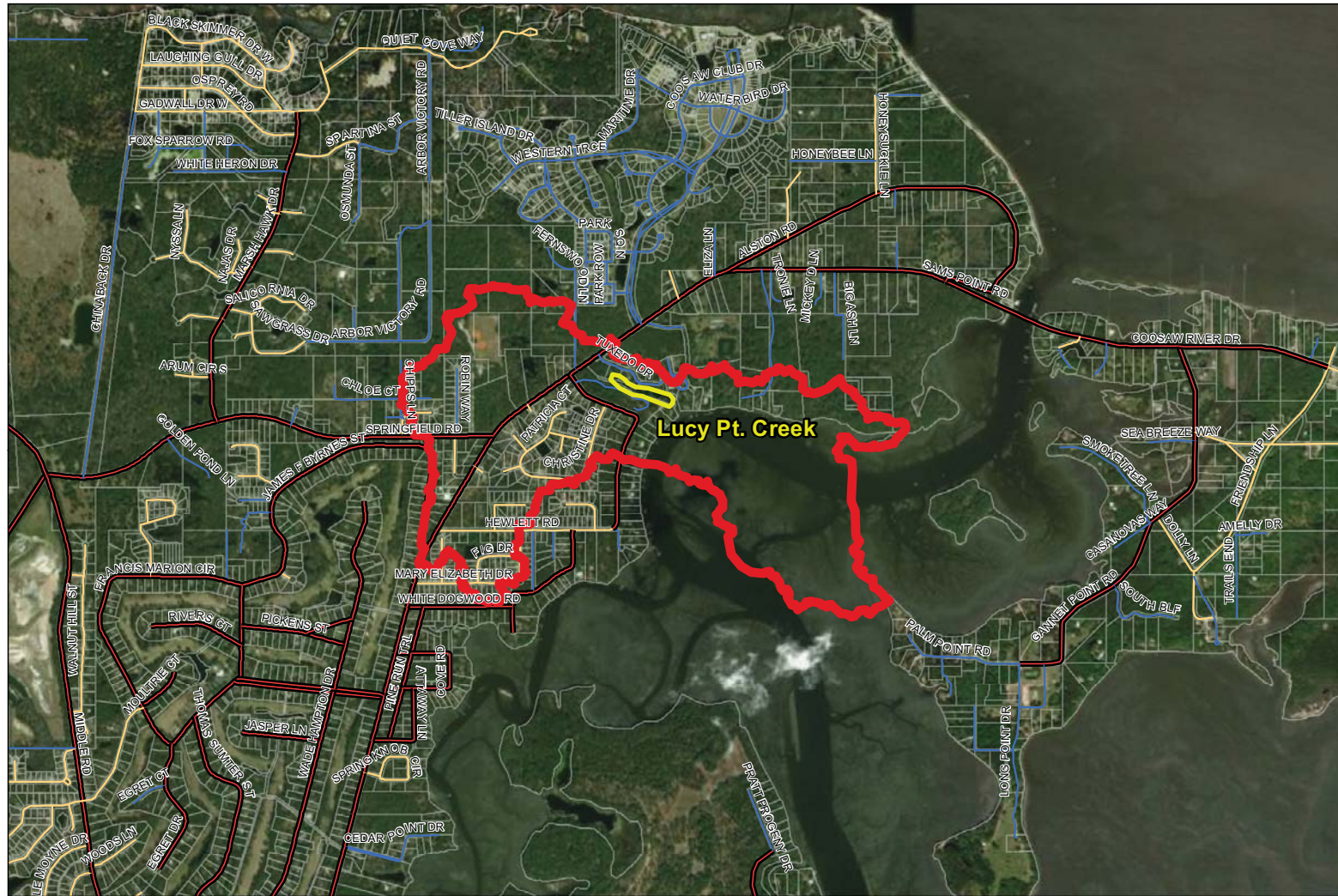
Description: Development in the Rock Springs Creek 1 hydrologic basin includes approx. 194 acres of golf course and single-family development built prior to volume control stormwater regulations. There are stormwater best management practices, such as detention facilities, in the area. The project would be to construct modifications to the existing regional wet detention pond including permanent pool expansion, littoral shelf creation and control structure modifications. The project will provide enhanced stormwater runoff water quality treatment and volume reduction. Rock Springs Creek is impaired by bacteria pollution. The watershed of the site is located within the Lady's Island Township.



February 2018

# Lucy Point Creek Regional BMP Township: Lady's Island

Project Cost  
\$483,293



**Legend**

- Approximate BMP Location
- Watershed Served

**Drainage**

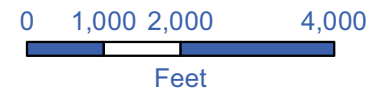
TYPE

- Channel
- Creek/Stream
- River

**Streets**

**Owner**

- COUNTY
- MUNICIPALITY
- PRIVATE
- STATE
- Parcels



Description: Development in the Lucy Point Creek hydrologic sub-basin includes approx. 105 acres of rural and single-family development built prior to stormwater regulations. There are limited stormwater best management practices, such as detention facilities, in the area. The project would be to construct modifications to the existing regional wet detention pond including permanent pool expansion, littoral shelf creation and control structure modifications. The project will provide enhanced stormwater runoff water quality treatment and volume reduction. Due to the presence of some wetlands in the area, project design would involve delineation and avoidance of the wetlands. The watershed of the site is located within the Lady's Island Township.



January 2018














## Albergotti Creek 2 Regional BMP Beaufort County

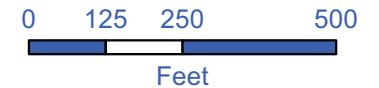


**Project Cost**  
**\$602,447**

### Drainage

#### TYPE

-  Access Pipe
-  Bleeder Pipe
-  Channel Pipe
-  Channel
-  Creek/Stream
-  Crossline Pipe
-  Driveway Pipe
-  Lateral
-  Lateral Pipe
-  River
-  Road Pipe
-  Roadside
-  Roadside Pipe

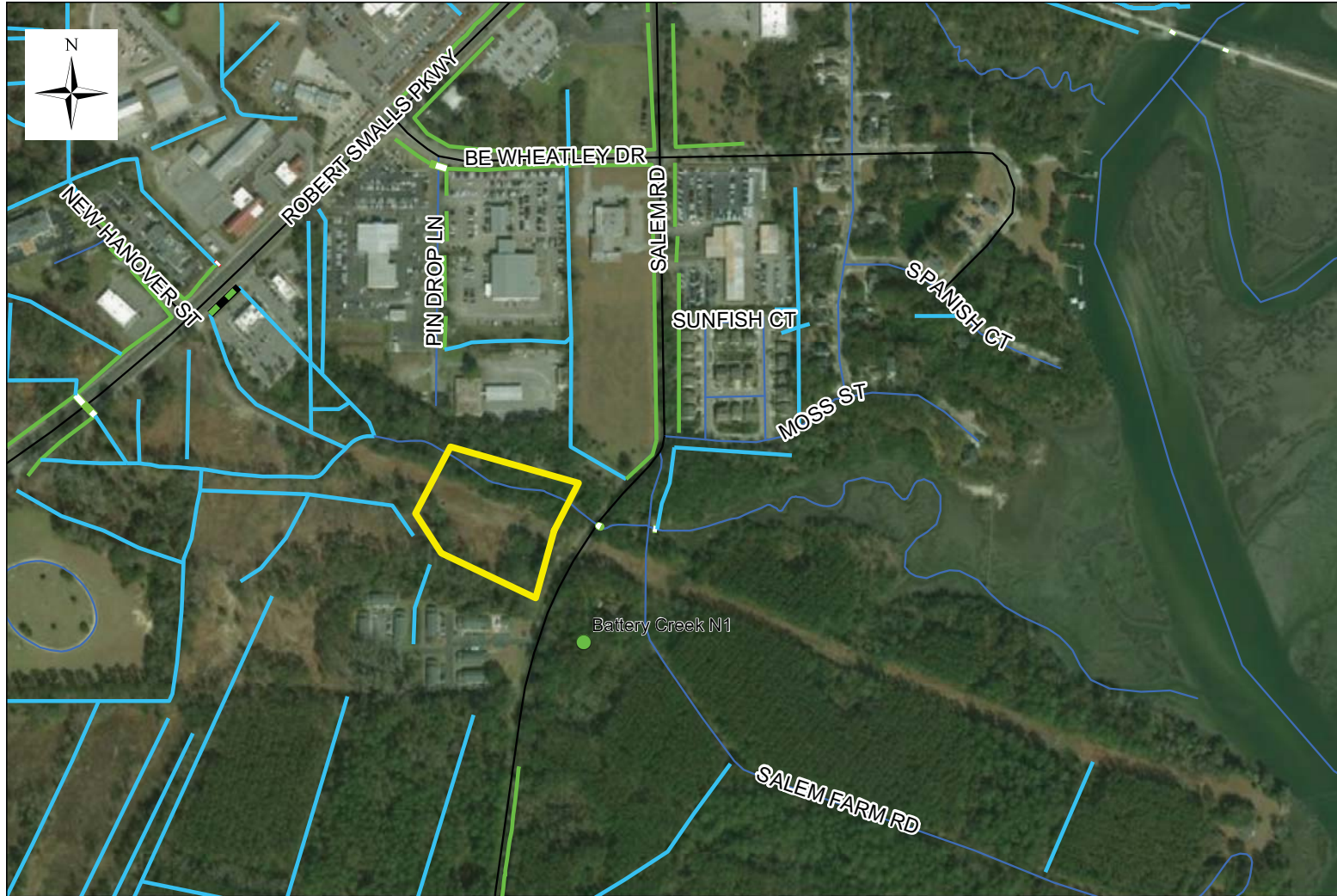


**Description:** Development in the Albergotti Creek 2 hydrologic sub-basin includes approx. 172 acres of rural and single-family development built prior to stormwater regulations. There are no stormwater best management practices, such as detention facilities, in the area. The project would be to construct a regional wet detention facility adjacent to Roseida Road to provide stormwater runoff water quality treatment and volume reduction. Due to the presence of some wetlands in the area, project design would involve delineation and avoidance of the wetlands. Albergotti Creek is impaired by bacteria pollution. The watershed of the site is located within Beaufort County.

January 2018














# Battery Creek N1 Regional BMP Township: Beaufort

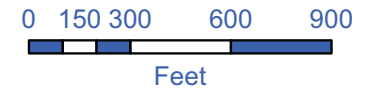
**Project Cost**  
**\$1,369,982**



## Drainage

### TYPE

-  Access Pipe
-  Bleeder Pipe
-  Channel Pipe
-  Channel
-  Creek/Stream
-  Crossline Pipe
-  Driveway Pipe
-  Lateral
-  Lateral Pipe
-  River
-  Road Pipe
-  Roadside
-  Roadside Pipe



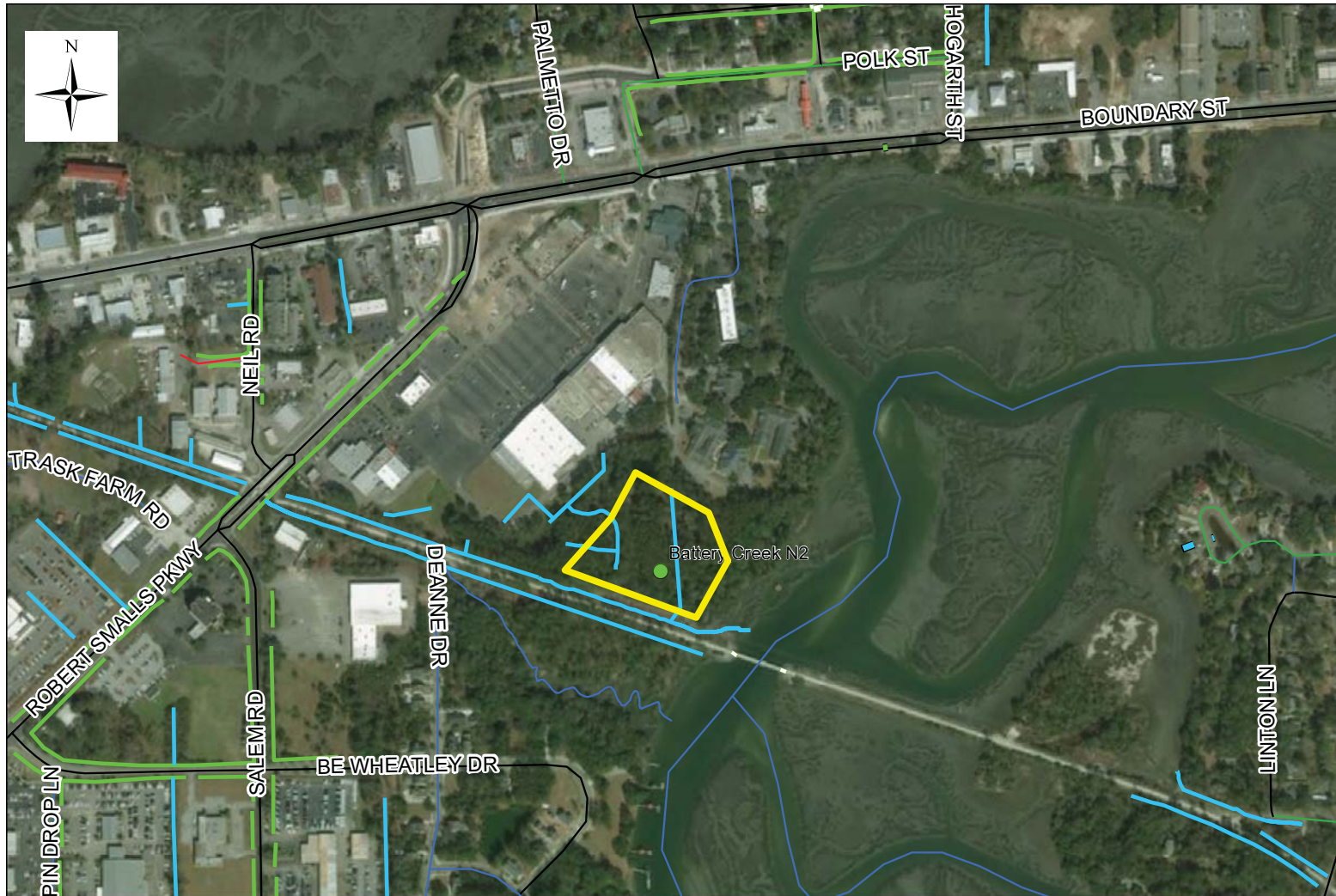
**Description:** Development in the Battery Creek 2 hydrologic sub-basin includes approx. 274 acres of commercial and residential development built prior to volume control stormwater regulations. There are no stormwater best management practices, such as detention facilities, in the area. The project would be to construct a regional wet detention facility adjacent to Salem Road to provide stormwater runoff water quality treatment and volume reduction. Due to the presence of some wetlands in the area, project design would involve delineation and avoidance of the wetlands. Battery Creek is impaired by bacteria pollution. The watershed of the site is located within Beaufort Township.



January 2018














# Battery Creek N2 Regional BMP Township: Beaufort

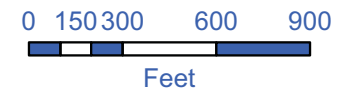
**Project Cost**  
**\$618,543**



## Drainage

### TYPE

-  Access Pipe
-  Bleeder Pipe
-  Channel Pipe
-  Channel
-  Creek/Stream
-  Crossline Pipe
-  Driveway Pipe
-  Lateral
-  Lateral Pipe
-  River
-  Road Pipe
-  Roadside
-  Roadside Pipe



**Description:** Development in the Battery Creek 2 hydrologic sub-basin includes approx. 67 acres of intense commercial development built prior to volume control stormwater regulations. There are limited stormwater best management practices, such as detention facilities, in the area. The project would be to construct a regional wet detention facility adjacent to Spanish Moss Trail to provide stormwater runoff water quality treatment and volume reduction. Due to the presence of some wetlands in the area, project design would involve delineation and avoidance of the wetlands. Battery Creek is impaired by bacteria pollution. The watershed of the site is located within Beaufort Township.

**Regional BMP - Sawmill Branch 1**  
**Add to existing**

**Contributing Area 310 ac**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$5,000.00	2	\$10,000.00
Site Preparation/Restoration Erosion				
B. & Sedimentation Control	EA	\$2,500.00	2	\$5,000.00
C. Land Purchase	AC	\$15,800.00	21	\$331,800.00
D. Clearing and Grubbing	AC	\$5,500.00	10	\$55,000.00
E. Excavation	CY	\$12.00	96800	\$1,161,600.00
F. Outlet Structure	EA	\$10,000.00		\$0.00
				<b>Subtotal</b>
				<b>\$1,563,400.00</b>
				Contingency (20% of Subtotal)
				\$312,680.00
				Engineering/Legal/Administrative (12% of Subtotal)
				\$187,608.00
				<b>Total</b>
				<b>\$2,063,688.00</b>

**Regional BMP - Sawmill Branch 2**  
**Add to existing**

**Contributing Area 270 ac**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$5,000.00	2	\$10,000.00
Site Preparation/Restoration Erosion				
B. & Sedimentation Control	EA	\$2,500.00	2	\$5,000.00
C. Land Purchase	AC	\$15,800.00	16.8	\$265,440.00
D. Clearing and Grubbing	AC	\$5,500.00	4.2	\$23,100.00
E. Excavation	CY	\$12.00	40656	\$487,872.00
F. Outlet Structure	EA	\$10,000.00	2	\$20,000.00
				<b>Subtotal</b>
				<b>\$811,412.00</b>
				Contingency (20% of Subtotal)
				\$162,282.40
				Engineering/Legal/Administrative (12% of Subtotal)
				\$97,369.44
				<b>Total</b>
				<b>\$1,071,063.84</b>







**Regional BMP - Battery Creek N1**  
**Regional wet detention facility**

**Contributing Area** **274 ac**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$5,000.00	2	\$10,000.00
Site Preparation/Restoration Erosion				
B. & Sedimentation Control	EA	\$2,500.00	2	\$5,000.00
C. Land Purchase	AC	\$15,800.00	21.7	\$342,860.00
D. Clearing and Grubbing	AC	\$5,500.00	5.425	\$29,837.50
E. Excavation	CY	\$12.00	52514	\$630,168.00
F. Outlet Structure	EA	\$10,000.00	2	\$20,000.00
<b>Subtotal</b>				<b>\$1,037,865.50</b>
Contingency (20% of Subtotal)				\$207,573.10
Engineering/Legal/Administrative (12% of Subtotal)				\$124,543.86
<b>Total</b>				<b>\$1,369,982.46</b>

**Regional BMP - Battery Creek N2**  
**Regional wet detention facility**

**Contributing Area** **67 ac**

	<b>Units</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Cost</b>
A. Mobilization	EA	\$5,000.00	2	\$10,000.00
Site Preparation/Restoration Erosion				
B. & Sedimentation Control	EA	\$2,500.00	2	\$5,000.00
C. Land Purchase	AC	\$15,800.00	9.38	\$148,237.08
D. Clearing and Grubbing	AC	\$5,500.00	2.345523	\$12,900.38
E. Excavation	CY	\$12.00	22704	\$272,448.00
F. Outlet Structure	EA	\$10,000.00	2	\$20,000.00
<b>Subtotal</b>				<b>\$468,585.46</b>
Contingency (20% of Subtotal)				\$93,717.09
Engineering/Legal/Administrative (12% of Subtotal)				\$56,230.26
<b>Total</b>				<b>\$618,532.81</b>

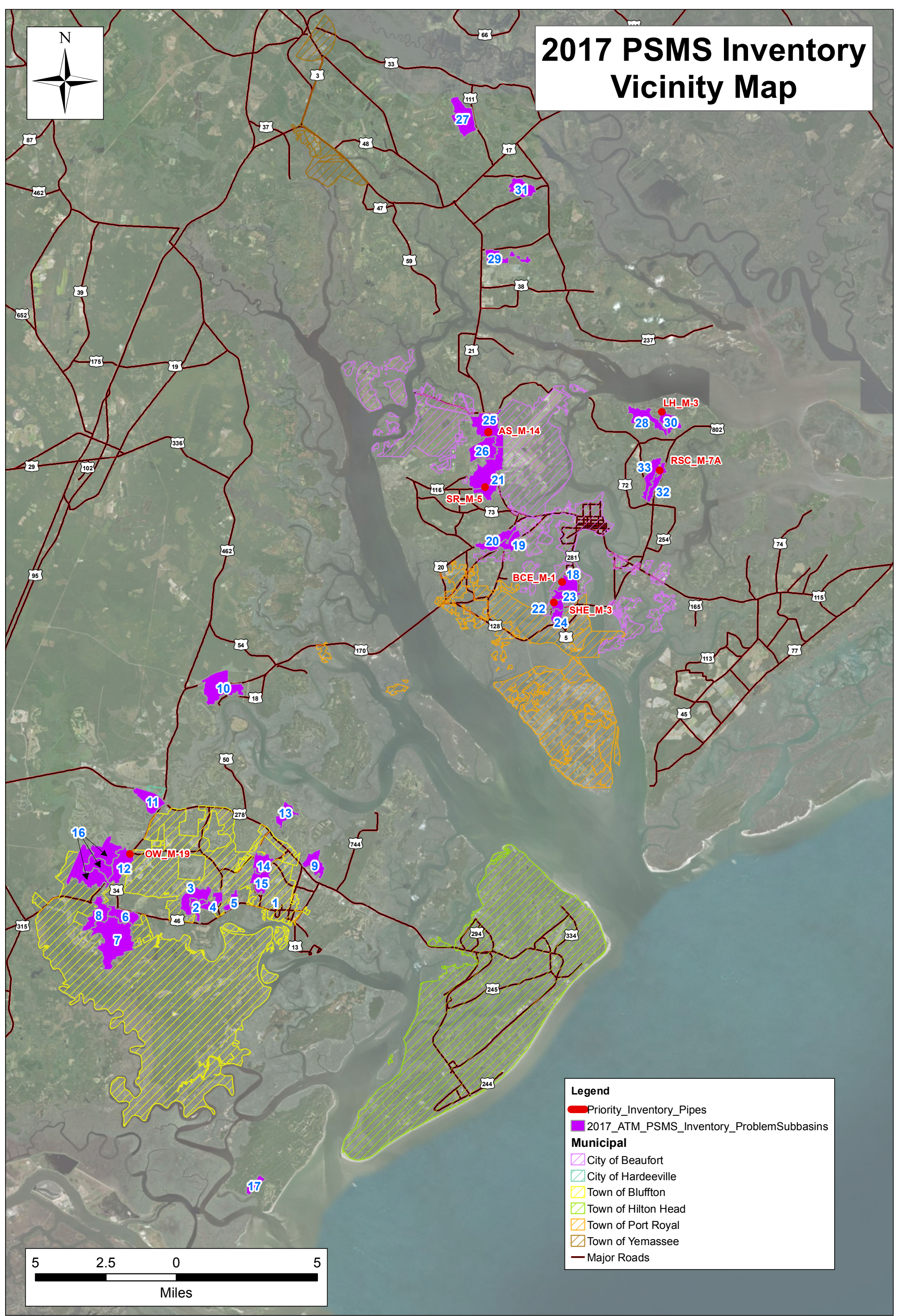


## Appendix P

### 2018 Update Inventory Recommendations



# 2017 PSMS Inventory Vicinity Map



**Legend**

- Priority\_Inventory\_Pipes
- 2017\_ATM\_PSMS\_Inventory\_ProblemSubbasins

**Municipal**

- City of Beaufort
- City of Hardeeville
- Town of Bluffton
- Town of Hilton Head
- Town of Port Royal
- Town of Yemassee
- Major Roads

Inventory Vicinity Map Showing 2017 Inventory Recommendation Locations for Beaufort County. Pipe Locations (red) and Subbasins (purple-dashed) shown signify those with priority inventory needs and recommendations are provided in the accompanying tables (blue labels correspond to "Subbasin Map ID" Number in tables). ESRI Aerial Imagery shown and Municipality and Roads layers provided by Beaufort County.





RECOMMENDED STORMWATER INVENTORY  
CALIBOGUE SOUND WATERSHED

Road Crossing	ICPR Model Link ID	Existing Culvert Dimensions (in x in)	Recommended Inventory Action
			No Inventory needed

RECOMMENDED STORMWATER INVENTORY  
MAY RIVER WATERSHED

Road Crossing	ICPR Model ID	Existing Culvert Dimensions (in x in)	Recommended Inventory Action	Subbasin Map ID
<b>Bluffton West Basin</b>				
No Road Crossing	BW_T1-18 (Node)	N/A	Overtopping identified in ICPR subbasin BW_T1 at node BW_T1-18. This subbasin was not included in the GIS subbasin layer. Inventory needed on geographical location of this subbasin and on upstream and downstream channels of this area once located.	1
<b>Rose Dhu Creek Basin</b>				
No Road Crossing*	RDC_M-46 (Node)	N/A	Overtopping identified in GIS subbasin RDC_M2 at node RDC_M-46 at Hampton Hall Lagoon #23. Inventory needed on upstream and downstream channels.	2
Farnsleigh Avenue*	RDC_M-8A 8B	48"x48" 48"x48"	Appear to be a set of ten pipes in the drainage layer (beneath Farnsleigh Avenue). Inventory is needed to determine existing number of pipes, dimensions, and locations. Located in GIS subbasin RDC_M1 and overtopping identified at storage node RDC_M-60 (comprised of Hampton Hall Lagoons #24A and #24B)	3
Old Bridge Drive	RDC_M-17	2 - 36"x36"	GIS subbasin RDC_M3. Not found in drainage layer. Inventory is needed to determine existing number of pipes, dimensions, and locations.	4
Location Unknown** (Pine Ridge)	RDC_T3-14	42"x42"	Overtopping identified in GIS subbasin RDC_T3B at node RDC_T3-59. Inventory is needed on downstream culverts (ICPR Links RDC_T3-14 and RDC_T3-17) to determine/confirm existing number of pipes, dimensions, and locations.	5
	RDC_T3-17	36"x36"		
No Road Crossing** (Pine Ridge)	RDC_T3-60 (Node)	N/A	Overtopping identified in GIS subbasin RDC_T3B at node RDC_T3-60, which is Wetland #3 from Pine Ridge plans. Inventory needed in this area.	
<b>Stoney Creek Basin</b>				
No Road Crossing	SC_T1-44 (Node)	N/A	Overtopping identified in GIS subbasin SC_T1B at node SC_T1-44. Inventory needed on upstream and downstream channels.	6
No Road Crossing	SC_T1-68 (Node)	N/A	Overtopping identified in GIS subbasin SC_T1C at node SC_T1-68. Inventory needed on upstream and downstream channels.	7
No Road Crossing	SC_T1-212 (Node)	N/A	Overtopping identified in GIS subbasin SC_T1D at node SC_T1-212. Inventory needed on upstream and downstream channels.	8

\* Inventory Locations are in Private Subdivisions (Hampton Hall), Based on 2006 SWMP Information

\*\* Inventory Locations are in Private Subdivisions (Pine Ridge), Based on 2006 SWMP Information

RECOMMENDED STORMWATER INVENTORY  
COLLETON RIVER WATERSHED

Road Crossing	ICPR Model ID	Existing Culvert Dimensions (in x in)	Recommended Inventory Action	Subbasin Map ID
<b>Burnt Church Subwatershed</b>				
Meridian Point Drive	BTC_M-5	Bridge	Located in GIS subbasin BTC_M1 in a private community. Inventory needed on existing channel and bridge, which was identified as a choke point in both the 2006 SWMP and in the updated ICPR modeling.	9
<b>Camp St. Mary's Basin</b>				
Camp St. Mary	CSM_M-4A 4B	30"x30" 24"x24"	At the border of GIS subbasin CSM_M1 and CSM_T1. Not found in drainage layer. Inventory is needed to determine existing number of pipes, dimensions, and locations.	10
<b>Okatie Center Subwatershed</b>				
No Road Crossing	OC_M-5	42"x 42"	In GIS Subbasin OC_M1 at lagoon (ICPR node OC_M-32). Not found in drainage layer and no geographic information in 2006 SWMP report and/or data. Inventory needed to locate pipe and determine/confirm dimensions.	11
<b>Okatie West Subwatershed</b>				
Okatie Highway (State Hwy 170)	OW_M-19	24"x24"	In GIS Subbasin OW_M4. Pipe located on 170 (original 2006 said 46) just south of Bluffton Pky end. Inventory needed to determine/confirm dimensions and inverts.	12
<b>Simmonsville/ Hidden Lakes Canal Subwatershed</b>				
Private Road / Driveway	SHLC_M0	54"x54"	In GIS subbasin SHLC_M1 in private community, a choke point was identified at a 54" by 54" drop structure in ICPR but this pipe is not in the drainage layer. It should be downstream of the three 42" pipe drop structure which crosses Cross Tide Park Rd (link SHLC_M1), and south of Belfair Oaks Blvd	13
Hyon Road	SHLC_M-27	48"x48"	On private land and this location was recommended for improvements in the 2006 SWMP. GIS subbasin SHLC_M4/SHLC_M5, ICPR identified overtopping at node SHLC_M-166. Choke point pipes could not be identified in drainage layer. The pipes cross Hyon Road according to the 2006 SWMP report, however, this road could not be found in the roads layer. Inventory needed to locate pipe and determine/confirm dimensions.	14
Location Unknown	SHLC_M-25	48"x48"	In GIS subbasin SHLC_M5, ICPR identified overtopping at node SHLC_M-163. Choke point pipes could not be identified in drainage layer and no geographic information in 2006 SWMP report and/or data. Inventory needed to locate pipe and determine/confirm dimensions.	15
Location Unknown	SHLC_M-29	54"x54"	In GIS subbasin SHLC_M5, ICPR identified overtopping at node SHLC_M-169. Choke point pipes could not be identified in drainage layer and no geographic information in 2006 SWMP report and/or data. Inventory needed to locate pipe and determine/confirm dimensions.	
Location Unknown	SHLC_M-31	48"x48"	In GIS subbasin SHLC_M5, ICPR identified overtopping at node SHLC_M-172. Choke point pipes could not be identified in drainage layer. Choke point pipes could not be identified in drainage layer and no geographic information in 2006 SWMP report and/or data. Inventory needed to locate pipe and determine/confirm dimensions.	



RECOMMENDED STORMWATER INVENTORY  
COLLETON RIVER WATERSHED

Road Crossing	ICPR Model ID	Existing Culvert Dimensions (in x in)	Recommended Inventory Action	Subbasin Map ID
<b>Jones Tract North Basin</b>				
Location Unknown	JTN_M-1A  1B	27"x27"  34"x34"	In Jones Tract North Group. Choke point pipes could not be identified in drainage layer and no geographic information in 2006 SWMP report and/or data. Inventory needed to locate pipe and determine/confirm dimensions. 2006 SWMP reports "no road crossings" in the Jones Tract North Basin, however, significant development has taken place since then and further inventory is needed.	16
No Road Crossing	JTN_T1-13 (Node)	N/A	Overtopping identified in GIS subbasin JTN_M1 at node JTN_T1-13. Inventory and review needed on upstream and downstream channels and surrounding areas.	
<b>Oak Ridge Basin</b>				
Prospect Road	OR_M-3	36"x36"	In GIS subbasin OR_M1. Not found in drainage layer. Inventory is needed to determine existing number of pipes, dimensions, and locations.	17

RECOMMENDED STORMWATER INVENTORY  
BEAUFORT RIVER WATERSHED

Road Crossing	ICPR Model ID	Existing Culvert Dimensions (in x in)	Recommended Inventory Action	Subbasin Map ID
<b>Battery Creek East Basin</b>				
Battery Creek Road	BCE_M-1A 1B	36"x36" 24"x24"	In GIS subbasin BCE_M1. Pipes are located in drainage layer, however invert elevations do not match that of the ICPR data for BCE_M1A. Inventory needed to review these pipes.	18
June Way	BCE_M-3	48"x48"		
<b>Burton Hill Basin</b>				
Old Jerico Road	BH_M-0A 0B	168"x35" 168"x32"	In GIS subbasin BH_M1. This is at the bridge crossing at Old Jerico Road, where the 2006 SWMP modeled this as two box culverts. Updated modeling identified this as a choke point problem area. Inventory, survey, and review needed for the bridge and this area needs further study.	19
No Road Crossing	BH_M-31 (Node)	N/A	Overtopping identified in GIS subbasin BH_M2 at node BH_M-31. Inventory and review needed on channel and surrounding areas.	20
<b>Shanklin Road Basin</b>				
Laurel Bay Road	SR_M-5A 5B	48"x48" 48"x48"	In GIS subbasin border of SR_M2 and SR_M1. Pipes are located in drainage layer, however invert elevations do not match that of the ICPR data for SR_M-5A and 5B. Inventory needed to review these pipes.	21
<b>Southside Basin</b>				
Battery Creek Road	SHE_M-3A 3B	30"x30" 30"x30"	In GIS subbasins SHE_M1 and SHE_M2. Pipes are located in drainage layer in GIS subbasin SHE_M1, however, both subbasins and these pipes need to be reviewed and studied further as updated ICPR modeling shows the basin is overflowing in two directions.	22
No Road Crossing	SHE_M-4 SHE_M-5 SHE_M-8 (Nodes)	N/A		23
No Road Crossing	SHE_T1-1 (Node)	N/A	Overtopping identified in GIS subbasin SHE_T1 at node SHE_T1-1. Inventory and review needed on channel and surrounding areas.	24
Battery Creek Blvd.	SHE_T1-3	12"x12"	In GIS subbasin SHE_T1. Pipe could not be located in drainage layer and inventory is needed to determine pipe location and dimensions.	

RECOMMENDED STORMWATER INVENTORY  
COOSAW RIVER WATERSHED

Road Crossing	ICPR Model ID	Existing Culvert Dimensions (in x in)	Recommended Inventory Action	Subbasin Map ID
<b>Air Station Basin</b>				
R.C. West Road N	AS_M-14A 14B 14C 14D	48"x48" 48"x48" 60"x38" 60"x38"	In GIS subbasin AS_M4. Possible ICPR and/or GIS mislabeling. ICPR invert data does not match drainage layer. This area was recommended for improvements in the 2006 SWMP and is still a problem in the updated ICPR modeling. Inventory needed to review these pipes.	25
No Road Crossing	AS_T1-2 (Node)	N/A	Overtopping identified in GIS subbasin AS_T1 at node AS_T1-2. Inventory and review needed on upstream and downstream channels.	26
<b>Branford Creek East Basin</b>				
Big Estate Road	BDCE_M-15	24"x24"	In GIS subbasin BDCE_M4. This basin and these pipes need to be reviewed and studied further as updated ICPR modeling shows the basin is overflowing in two directions.	27
Big Estate Road	BDCE_M-17	24"x24"		
<b>Coosaw River Basin</b>				
No Road Crossing	CWR_M-1 (Node)	N/A	Overtopping identified in GIS subbasin CWR_M1 at node CWR_M-1. Inventory and review needed on upstream and downstream channels.	28
<b>Dale Basin</b>				
No Road Crossing	DE_M-134 (Node)	N/A	Overtopping identified in GIS subbasin DE_M4 at node DE_M-134. Inventory and review needed in this subbasin and particularly on roadside channel adjacent to Washington Farm Road.	29
<b>Laurel Hill Basin</b>				
Gadwell Drive	LH_M-3	15"x15"	In GIS subbasin LH_M1. This pipe was located in the older drainage layer previously provided by the County, but is not present in any of the later versions (9/21/16 or 3/7/17). Inventory action may just be to add this back into the later versions or confirm if this 15" pipe is still present at this location.	30
<b>True Blue Creek South Basin</b>				
No Road Crossing	TBCN_M-9 (Node)	N/A	Overtopping identified in GIS subbasin TBCN_M1 at node TBCN_M-9. Inventory and review needed on upstream channel and surrounding areas.	31

RECOMMENDED STORMWATER INVENTORY  
MORGAN RIVER WATERSHED

Road Crossing	ICPR Model ID	Existing Culvert Dimensions (in x in)	Recommended Inventory Action	Subbasin Map ID
<b>Rock Springs Creek Basin</b>				
Location Unknown (Wade Hampton Drive)	RSC_M-5	Unknown	GIS subbasin RSC_M1 / RSC_M2. Possible mislabeling in 2006 SWMP between links RSC_M-5 and RSC_M-7. ICPR data gives dimensions of an 18" by 18" pipe but 2006 report lists as a 24" by 24" pipe associated with the Link RSC_M-5. The 18" by 18" associated with ICPR data for link RSC_M-5 pipe could not be identified in drainage layer, but the RSC_M-7 link was found in the drainage layer.	32 (RSC_M1)
Wade Hampton Drive	RSC_M-7	Unknown	See above. This location was found in drainage layer in GIS subbasin RSC_M2. 2006 SWMP plan recommended improvements to link (pipe) RSC_M-5. Overtopping was identified in updated ICPR modeling with both RSC_M-5 and RSC_M-7 links (pipes) as choke points, and therefore inventory is needed to find/review these pipes, correlate correctly with ICPR, and this location should be studied further.	33 (RSC_M2)

## Appendix Q

### 2018 Update Water Quality Monitoring Technical Memorandum

# TECHNICAL MEMORANDUM

## RECOMMENDATIONS FOR WATER QUALITY MONITORING PROGRAMS

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PREPARED FOR:

BEAUFORT COUNTY STORMWATER MANAGEMENT DEPARTMENT  
BEAUFORT, SOUTH CAROLINA

PREPARED BY:



APPLIED TECHNOLOGY AND MANAGEMENT, INC.  
941 HOUSTON NORTHCUTT BLVD.  
SUITE 201  
MT. PLEASANT, SC 29464

JANUARY 24, 2017

## **Introduction**

In general, a water quality monitoring program can serve a number of purposes in a stormwater management program. These could include:

- Establish baseline water quality
- Identify water quality trends
- Develop data to support water quality modeling

The County has gathered thousands of water quality samples over the past ten years in an effort to identify areas of water quality improvement or degradation in various areas of the estuaries throughout the County. Water quality sampling and testing has been jointly funded by the County and municipalities since its inception during the development of the 2006 SWMP. All locally available monitoring data was collected and statistical analyses performed to characterize the data's central tendencies and variability. Trend analyses were also performed to identify locations of increasing concentrations.

Comparisons to existing water quality standards were made to identify possible excursions of water quality standards as well as locations whose trend indicates an exceedance of water quality standards during the planning horizon. These locations and their contributing watershed were identified using GIS and tied to the existing sub-watersheds already identified in the GIS. This data will be used in other Tasks to help identify areas that may be in need of more in-depth study, particularly those where development has expanded since 2006 and to provide validation data for water quality models.

The purpose of this technical memorandum is to present summary results of the water quality data evaluation and to present recommendations to the methods and timing of water quality sample collection, locations of sampling and sampling protocols all in an effort to maximize the usefulness of each piece of water quality data collected.

## **Regulatory Framework**

Beaufort County currently has a plan for monitoring the water quality of impaired waters for which the South Carolina Department of Health and Environmental Control (SCDHEC) has issued Total Maximum Daily Load (TMDL) requirements. This plan has been set out with a goal of establishing baseline pollutant loads for the impaired water bodies to which the County's Municipal Separate Storm Sewer System (MS4) discharges. This document describes the motivation, procedures, and timeframe for the monitoring program, and includes a description of the County's currently established water quality monitoring stations (WQMS).

Under the Clean Water Act, Section 303(d), state environmental agencies are required to maintain WQMS within their jurisdiction and use the collected data, following SCDHEC protocols, to issue a list of impaired waters. The County's MS4 discharges to several receiving watersheds which drain to impaired WQMS maintained by SCDHEC.

In 2014 SCDHEC provided a TMDL 303D and the County had 42 areas on the list. In 2016 SCDHEC updated their 303D list for 2016 and has added an additional three areas within the County which are labeled New in the table below. Beaufort County has 12 sub-basin watersheds located within the County. The County has broken down the watersheds into the top seven basins which will be monitored.

A list of the existing TMDLs are listed below in Table 1 below.

Table 1: TMDL 303D List

TMDL TARGET DATE(S)++	BASIN	HUC_12	STATION	LOCATION	USE	CAUSE
2015	SALKEHATCHIE	030502071103	16A-08	MORGAN RIVER AT	SHELLFISH	FC
2015	SALKEHATCHIE	030502071103	16A-18	EDDING CREEK AT	SHELLFISH	FC
2015	SALKEHATCHIE	030502071103	16A-19	ROCK SPRINGS	SHELLFISH	FC
2015	SALKEHATCHIE	030502071103	16A-23	EDDING CR AT SMALL	SHELLFISH	FC
2015	SALKEHATCHIE	030502071103	16A-27	COFFIN CREEK MOUTH AT	SHELLFISH	FC
2015	SALKEHATCHIE	030502071103	16A-28	COFFIN CREEK,	SHELLFISH	FC
2015	SALKEHATCHIE	030502071103	16A-30	JENKINS CREEK, 500FT.	SHELLFISH	FC
2015	SALKEHATCHIE	030502071103	16A-38	PINE ISLAND CREEK	SHELLFISH	FC
2016	SALKEHATCHIE	030502080501	15-19	BATTERY CREEK 1000	SHELLFISH	FC
2016	SALKEHATCHIE	030502080501	15-25	BATTERY CREEK -	SHELLFISH	FC
2016	SALKEHATCHIE	030502080503	15-20	CAPERS CR SSG AT	SHELLFISH	FC
2017	SALKEHATCHIE	030502070704	CSTL-098	COMBAHEE RVR AT US 17	AL	DO
2017	SALKEHATCHIE	030502071101	RO-09367	BULL RIVER WHERE	AL	TURBIDITY
2017	SALKEHATCHIE	030502071101	RT-01643	TRIBUTARY TO BULL	AL	TURBIDITY
2017	SALKEHATCHIE	030502071103	RT-032033	COFFIN CK 0.7 MI SE OF	AL	TURBIDITY
2017	SALKEHATCHIE	030502071104	RO-01163	SAINT HELENA SOUND, 7	AL	TURBIDITY
2017	SALKEHATCHIE	030502071104	RO-09371	ST. HELENA SOUND	AL	TURBIDITY
2018	SALKEHATCHIE	030502071101	RO-036037	WIMBEE CK 0.7 MI SE OF	AL	TURBIDITY
2018	SALKEHATCHIE	030502071102	RT-11015	MCCALLEYS CREEK 2.4	AL	TURBIDITY
2018	SALKEHATCHIE	030502071104	MD-281	PARROT CREEK AND	AL	TURBIDITY
2018	SALKEHATCHIE	030502071104	RO-02001	COOSAW RVR NEAR	AL	TURBIDITY
2018	SALKEHATCHIE	030502071104	RO-11314	COOSAW RIVER,	AL	TURBIDITY
2018	SALKEHATCHIE	030502080601	MD-007	POCOTALIGO RVR AT US	AL	TURBIDITY
2018	SALKEHATCHIE	030502080601	MD-007	POCOTALIGO RVR AT US	REC	ENTERO
2018	SALKEHATCHIE	030502080606	RO-01125	COLLETON RIVER AT	AL	DO
2018	SALKEHATCHIE	030502080607	RO-01146	CHECHESSEE RIVER, 6.5 M	AL	DO
2018, 2020	SALKEHATCHIE	030502080607	RO-036032	CHECHESSEE RVR 1.4 MI	AL	DO, CU
2020	SALKEHATCHIE	030502071103	RT-02027	TRIB TO SPARROW NEST	AL	CU
2020	SAVANNAH	030601100301	19-19	MAY RIVER AT FIRST	SHELLFISH	FC
2020	SAVANNAH	030601100301	19-19A	UNNAMED TRIBUTARY	SHELLFISH	FC
2020	SAVANNAH	030601100301	19-19B	BEND IN MAY RIVER	SHELLFISH	FC
2020, 2018	SALKEHATCHIE	030502071101	RO-02005	COOSAW RVR NEAR	AL	CU, TURBIDTY
2020, 2018	SALKEHATCHIE	030502071102	RT-02015	TIDAL CK NEAR CONFL	AL	CU, TURBIDITY
2022	SALKEHATCHIE	030502080605	17-16A	HABERSHAM CREEK	SHELLFISH	FC
2022	SAVANNAH	030601100202	RT-06021	NEW RIVER 3.4 MI SSE	REC	ENTERO
2022	SAVANNAH	030601100304	LC-111	HILTON HEAD ISLAND	REC	ENTERO
2023	SALKEHATCHIE	030502071102	14-02	CAMPBELL CREEK AT	SHELLFISH	FC
2023	SALKEHATCHIE	030502080602	14-14	HUSPAH CREEK AT	SHELLFISH	FC
2023	SALKEHATCHIE	030502080602	14-18	HUSPAH CREEK AT BULL	SHELLFISH	FC
2024	SALKEHATCHIE	030502070706	MD-252	COMBAHEE RVR OFF	AL	TURBIDITY
2024	SALKEHATCHIE	030502100101	RT-10115	JOHNSON CK WEST OF	AL	TURBIDITY
2027	SALKEHATCHIE	030502070704	CSTL-098	COMBAHEE RVR AT US 17	FISH	HG
NEW 2016	SALKEHATCHIE	30502080503	15-20	CAPERS CR SSG AT PENN	SHELLFISH	FC*
NEW 2016	SALKEHATCHIE	30502080608	17-13	BROAD RIVER AT CREEK E	SHELLFISH	FC*
NEW 2016	SALKEHATCHIE	30502080605	17-16A	HABERSHAM CREEK ABOVE	SHELLFISH	FC

The developed plan recommended 18 locations for performing wet and dry sampling on a quarterly basis and specified a watershed rotational schedule for implementation. The recommendations presented below build on the plan submitted to SCDHEC for the MS4.

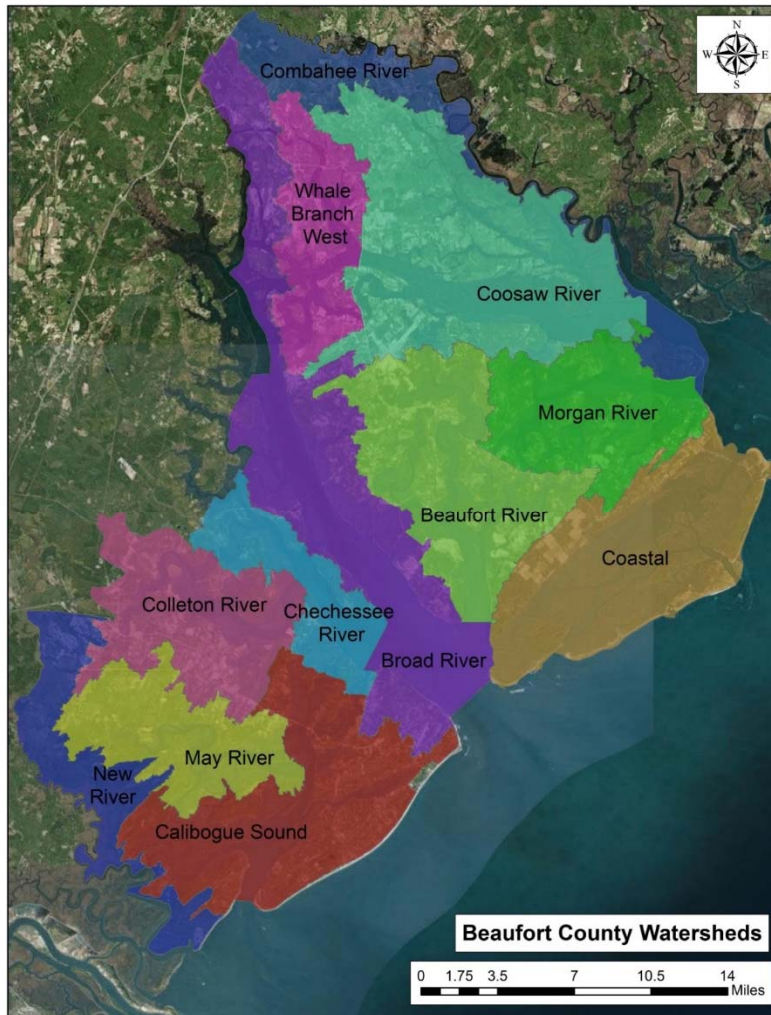
### Monitoring Location Selection

The general goal of the monitoring location selection was to provide representation of the different watersheds across Beaufort County while ensuring that priority areas of existing and future development were monitored. Figure 1 presents the major Beaufort County watersheds. The selection of monitoring priorities was based on a number of criteria. Those criteria include pollutant loading potential, existing water quality based on previous and on-going water quality monitoring activities,



maximum utility of stations with longer-term records for trend analysis and establishment of baseline water quality conditions where the data record is limited or non-existent.

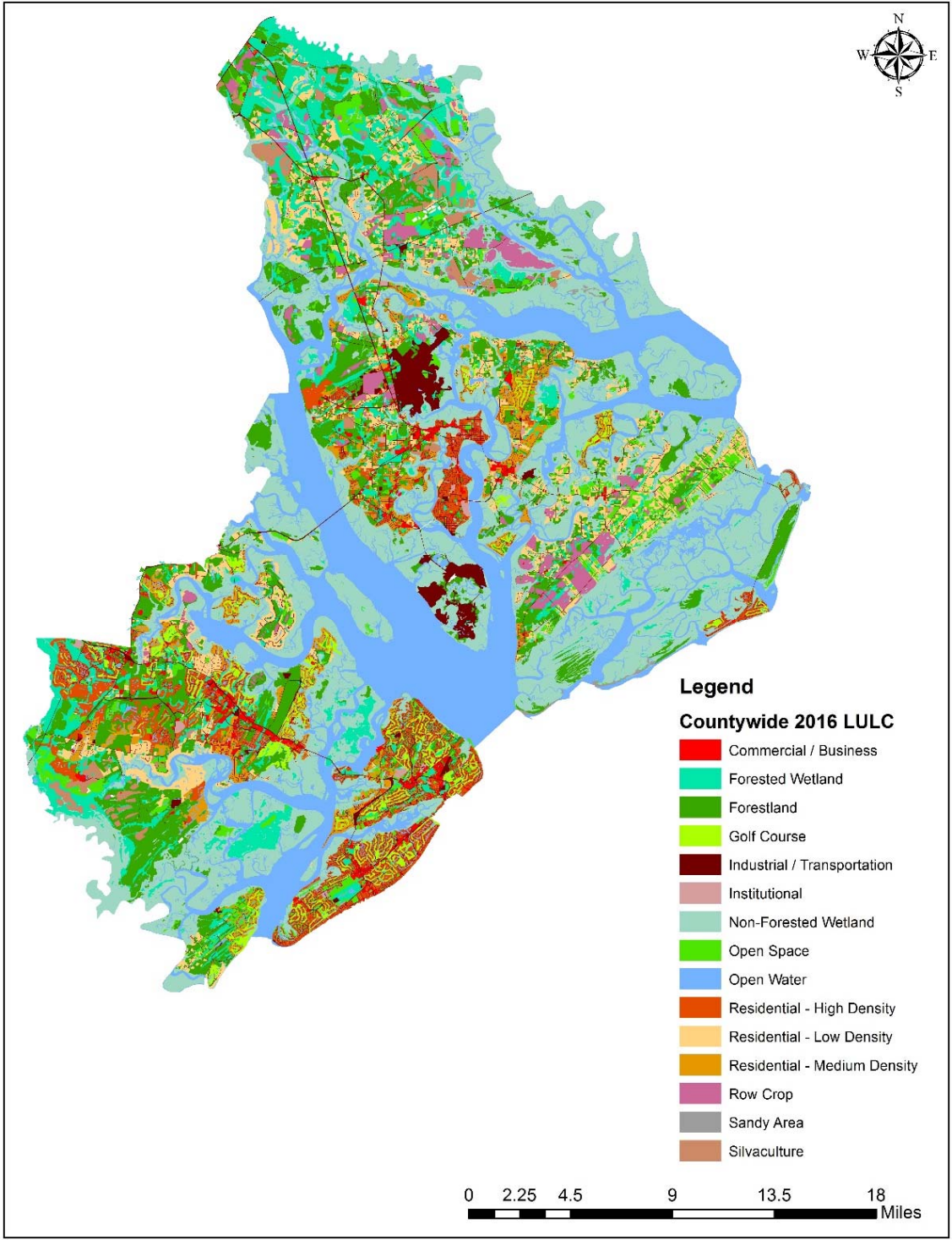
Figure 1: Beaufort County Watersheds



### Pollutant Loading and Land Use

The assessment of pollutant loading potential is based on land use, particularly those land-uses reflecting urbanization and increased impervious area such as residential commercial, institutional and industrial. Land use is summarized in Figure 2. Land use changes occurring over the last ten years were evaluated using existing land-use, land-cover maps and 2016 high-resolution photography. The results of this analysis are summarized in Table 2. Areas with high imperviousness and areas reflecting large increases in imperviousness were deemed to have high pollutant loading potential. Figure 2 presents preliminary results from the Watershed Management Model.

Figure 2: 2016 Land Use



**Table 2: Land Use Comparison**

Difference

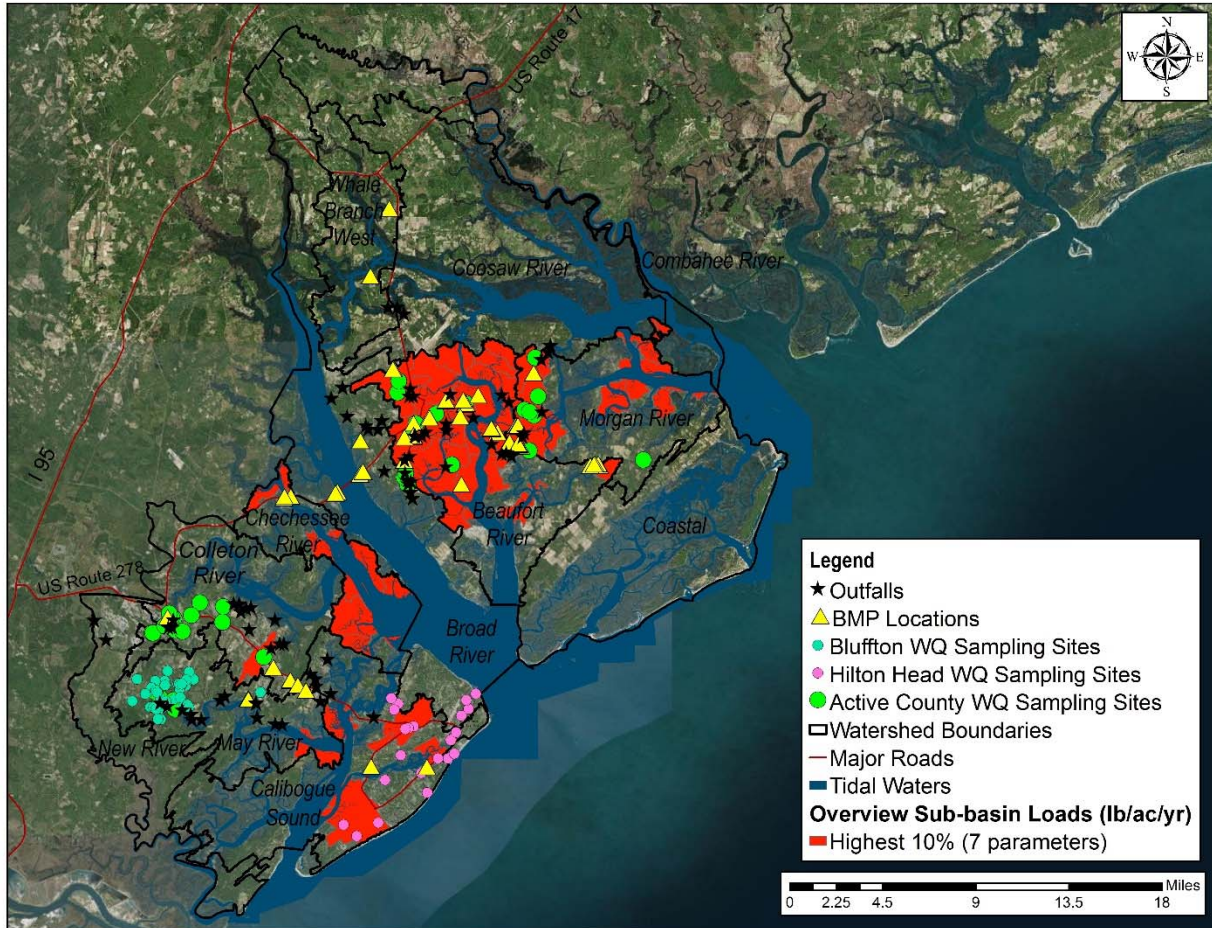
Land Use Type	Beaufort (acres)	Broad (acres)	Calibogue (acres)	Chechessee (acres)	Coastal (acres)	Colleton (acres)	Combahee (acres)	Coosaw (acres)	May River (acres)	Morgan River (acres)	New River (acres)	Whale Branch West (acres)
Agricultural/Pasture	232	827	0	-7	100	471	102	1948	8	87	27	237
Commercial	410	328	273	12	17	552	2	-140	292	-12	66	-51
Forest/Rural Open	2025	2478	-8	311	252	76	1486	1721	-3067	56	-2598	2545
Golf Course	4	-1	533	-263	7	-769	0	-5	-684	169	150	0
High Density Residential	-1390	-587	1064	-92	10	1225	0	37	1762	71	1264	189
Industrial	-550	-159	190	-9	-5	108	-7	-528	182	-8	26	-4
Institutional	-119	-81	67	0	0	-45	0	-5	39	23	4	-9
Low Density Residential	577	-1069	39	46	152	-380	-2284	-4139	99	868	121	-1928
Medium Density Residential	1126	750	268	103	-23	-420	0	92	1379	151	-234	-656
Open Water/Tidal	-104	-442	546	-129	4	-232	-170	-1009	770	-472	87	-292
Silviculture	90	1365	0	0	0	-1067	342	3298	864	0	921	233
Urban Open	-2262	-1269	-277	9	-193	-1784	-201	-1848	-128	-914	482	-694
Wetland/Water	-100	-1462	-220	-89	-318	-481	729	595	-1278	-19	-336	427
TOTAL	-58	679	2474	-108	3	-2748	-1	16	238	0	-19	-3
Urban Imperviousness (acres)	-448	-45	1000	-11	26	968	-214	-822	1599	147	652	-288

% change

Land Use Type	Beaufort	Broad	Calibogue	Chechessee	Coastal	Colleton	Combahee	Coosaw	May River	Morgan River	New River	Whale Branch West
Agricultural/Pasture	17	140	0	---	5	1681	75	102	---	28	---	46
Commercial	45	82	28	306	49	101	15	-52	195	-8	1318	-28
Forest/Rural Open	81	58	0	35	6	1	114	26	-37	2	-35	71
Golf Course	1	0	21	-35	4	-32	0	-8	-56	49	47	0
High Density Residential	-38	-18	24	-86	1	112	0	264	263	295	95	1455
Industrial	-11	-5	8	-3	-1	7	-2	-17	28	-1	6	0
Institutional	-20	-43	44	2	0	-45	0	-5	28	21	5	-38
Low Density Residential	20	-32	51	5	8	-12	-71	-49	4	29	27	-38
Medium Density Residential	109	147	15	28	-25	-16	0	7	177	9	-91	-69
Open Water/Tidal	0	-1	2	-1	0	-2	-1	-3	8	-2	2	-3
Silviculture	55	---	0	0	0	---	---	---	---	0	23027	---
Urban Open	-76	-50	-9	3	-10	-74	-20	-40	-14	-29	53	-46
Wetland/Water	-6	-26	-5	-17	-18	-20	16	10	-46	-2	-6	13
TOTAL	0	1	5	-1	0	-8	0	0	1	0	0	0
Urban Imperviousness	-6	-1	19	-2	2	30	-38	-22	103	9	54	-19



**Figure 3: Preliminary loading analysis (WMM)**



Based on evaluations of updated land use and percent impervious from 2016 aeriels, the following watersheds were determined to be priority for monitoring:

- May River
- Beaufort River
- Colleton River
- Morgan River
- Calibogue Sound
- Broad River
- New River

**Water Quality Data Analyses**

Water quality data from Beaufort County, Town of Bluffton and Hilton Head Island were collected and analyzed for standard statistical parameters and for trends. The results of the analyses are presented in a number of figures. Maps displaying mean values for currently active stations and for those stations which have greater than 1 year of data are presented. These maps are presented at the end of this technical memorandum. Also, box and whisker plots were prepared which present summaries of the

collected data as well as comparisons to other stations in the county. The box and whisker plots provide visual summaries of a data set's central tendency, variability, symmetry and the presence of outliers. They are particularly useful for comparing several related datasets such as water quality monitoring stations within and between watersheds. Parameters presented in the maps are:

- Fecal coliform bacteria
- Total suspended solids (TSS)
- Biochemical oxygen demand (BOD)
- Ammonia nitrogen
- Nitrite and nitrate nitrogen
- Total Kjeldahl nitrogen (TKN)
- Total nitrogen
- Total phosphorus
- Metals (copper, lead and zinc)

Fecal coliform and total phosphorus concentrations were primarily used to identify existing water quality problem areas in the county where monitoring should be continued. Maps presenting mean concentrations for both active stations and those with periods-of-record longer than one-year are presented in Figures 4 through 7 below.

Evaluation of the maps and plots indicate the following stations, listed in Table 3, as having high concentrations for these parameters.

**Table 3: Monitoring Locations indicating ongoing water quality problems**

Station ID	Watershed
BECY15	Beaufort River
BECY18	Beaufort River
BECY9ra	Beaufort River
BECY8r	Beaufort River
BECY6	Beaufort River
BECY17	Beaufort River
Southside	Beaufort River
BECY10	Broad River
Harbor.Manor	Broad River (HHI)
Millers.Pond1	Broad River (HHI)
Fish.Haul	Broad River (HHI)
Broad.Point	Calibogue
Creation.Station	Calibogue
Mathews2	Calibogue
Palmetto Dunes	Calibogue
Gum.Tree	Calibogue
Wexford	Calibogue
Disney	Calibogue
Hilton Head Prep	Calibogue
Jarvis1	Calibogue
CSA	Calibogue
BECY3	Colleton River

BECY16	Colleton River
BECY4R	Colleton River
OKW1	Colleton River
OKW2	Colleton River
OKW3	Colleton River
WM278	Colleton River
BECY4A	Morgan River
BECY13	Morgan River
MR1	Morgan River
MR2	Morgan River
MR3	Morgan River
RS3	Morgan River
BECY1	May River
BECY1.5	May River
BECY2	May River
HH7	May River
HH8	May River
HH9	May River
HH11	May River
MRR6	May River
MRR10	May River
NRP.IN.N	May River
NRP.IN.S	May River
NRP.OUT	May River
PBR9	May River
SC1	May River

### **Recommended Monitoring Locations**

The stations listed in Table 3 represent most of the recommended locations for ongoing monitoring. Some station locations were added in relatively undeveloped regions to expand the extent of sampled waterbodies and to gain a better understanding of natural versus human-induced sources of pollutants. Finally, station locations were also focused in upstream locations of tributaries to minimize tidal influences and better reflect water quality due to stormwater discharges.

The recommended monitoring locations were selected based on consideration of the criteria discussed above and are presented in Figure 8. Table 4 lists the recommended monitoring locations.

**Table 4: Recommended Monitoring Locations**

<b>Station ID</b>	<b>Watershed</b>
BECY15	Beaufort River
BECY18	Beaufort River
BECY9ra	Beaufort River
BECY8r	Beaufort River
BECY6	Beaufort River
BECY17	Beaufort River
Southside	Beaufort River
BECY10	Broad River
Harbor.Manor	Broad River (HHI)
Millers.Pond1	Broad River (HHI)
Fish.Haul	Broad River (HHI)
Broad1	Broad River
Broad2	Broad River
Mathews2	Calibogue
Palmetto Dunes	Calibogue
Gum.Tree	Calibogue
Wexford	Calibogue
Disney	Calibogue
Hilton Head Prep	Calibogue
Jarvis1	Calibogue
CSA	Calibogue
BCS1	Calibogue
BECY3	Colleton River
BECY16	Colleton River
BECY4R	Colleton River
OKW1	Colleton River
OKW2	Colleton River
OKW3	Colleton River
WM278	Colleton River
BECY4A	Morgan River
BECY13	Morgan River
MR1	Morgan River
MR2	Morgan River
MR3	Morgan River
RS3	Morgan River
BECY1	May River
BECY1.5	May River
BECY2	May River
HH7	May River
HH8	May River
HH9	May River
HH11	May River
MRR6	May River
MRR10	May River

NRP.IN.N  
NRP.IN.S  
NRP.OUT  
PBR9  
SC1

May River  
May River  
May River  
May River  
May River

Coastal1  
Coastal2

Coastal  
Coastal

WBW1  
WBW2

Whale Branch West  
Whale Branch West

CSW1  
CSW2

Coosaw River  
Coosaw River

New1

New River



Figure 4: Mean Fecal Coliform concentrations for currently active stations

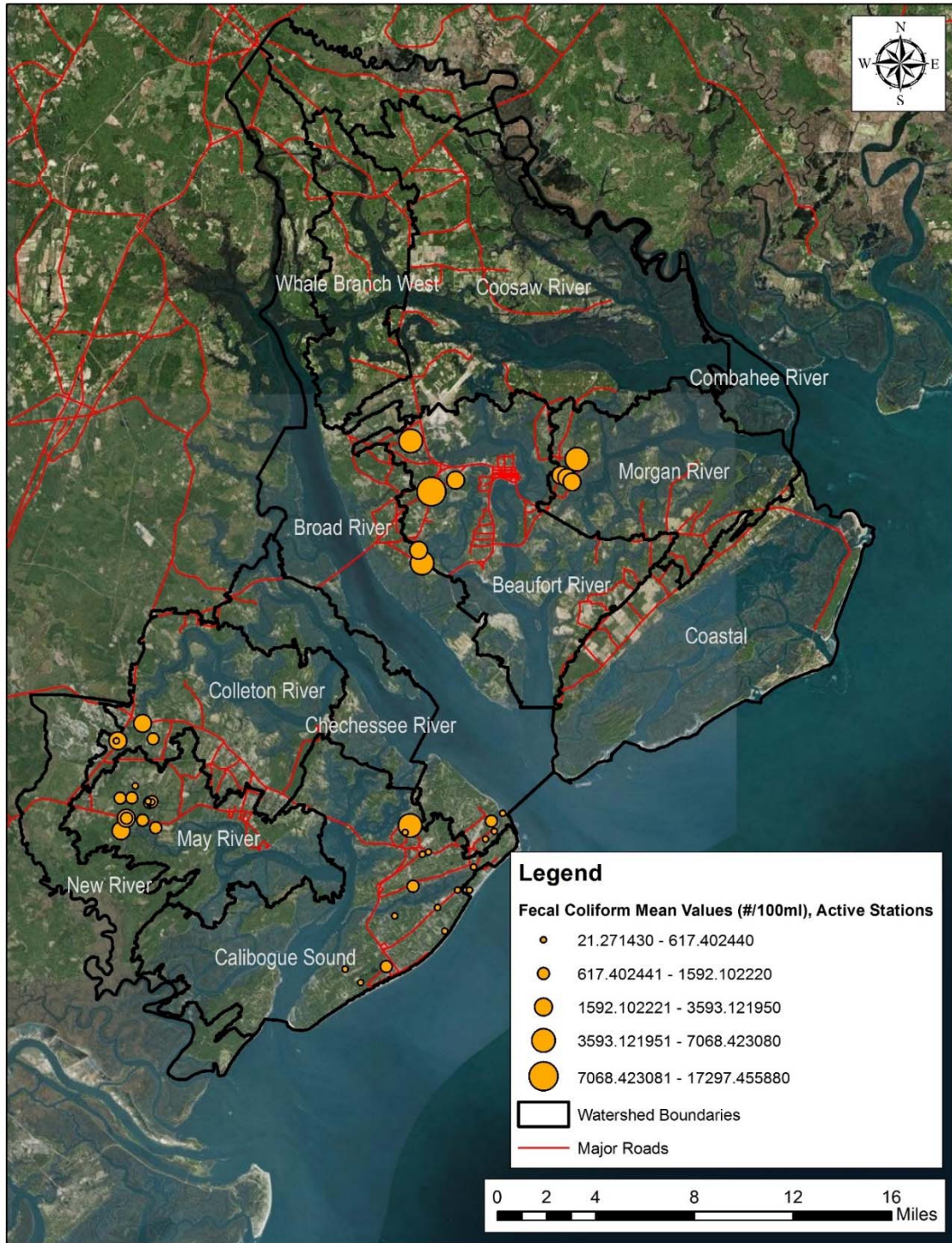




Figure 5: Mean Fecal Coliform concentrations for stations with records longer than 1-year

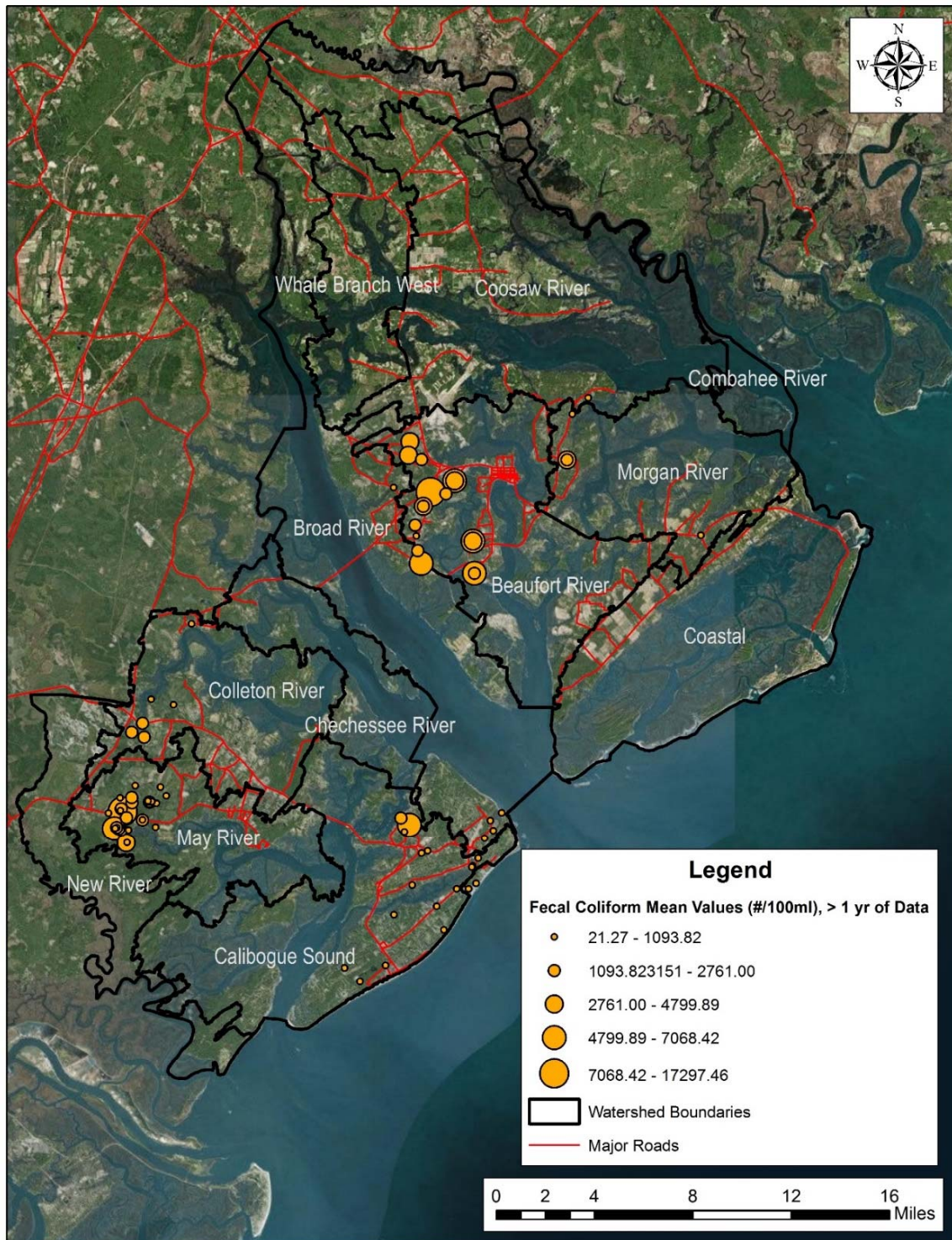




Figure 6: Mean Total Phosphorus concentrations for currently active stations

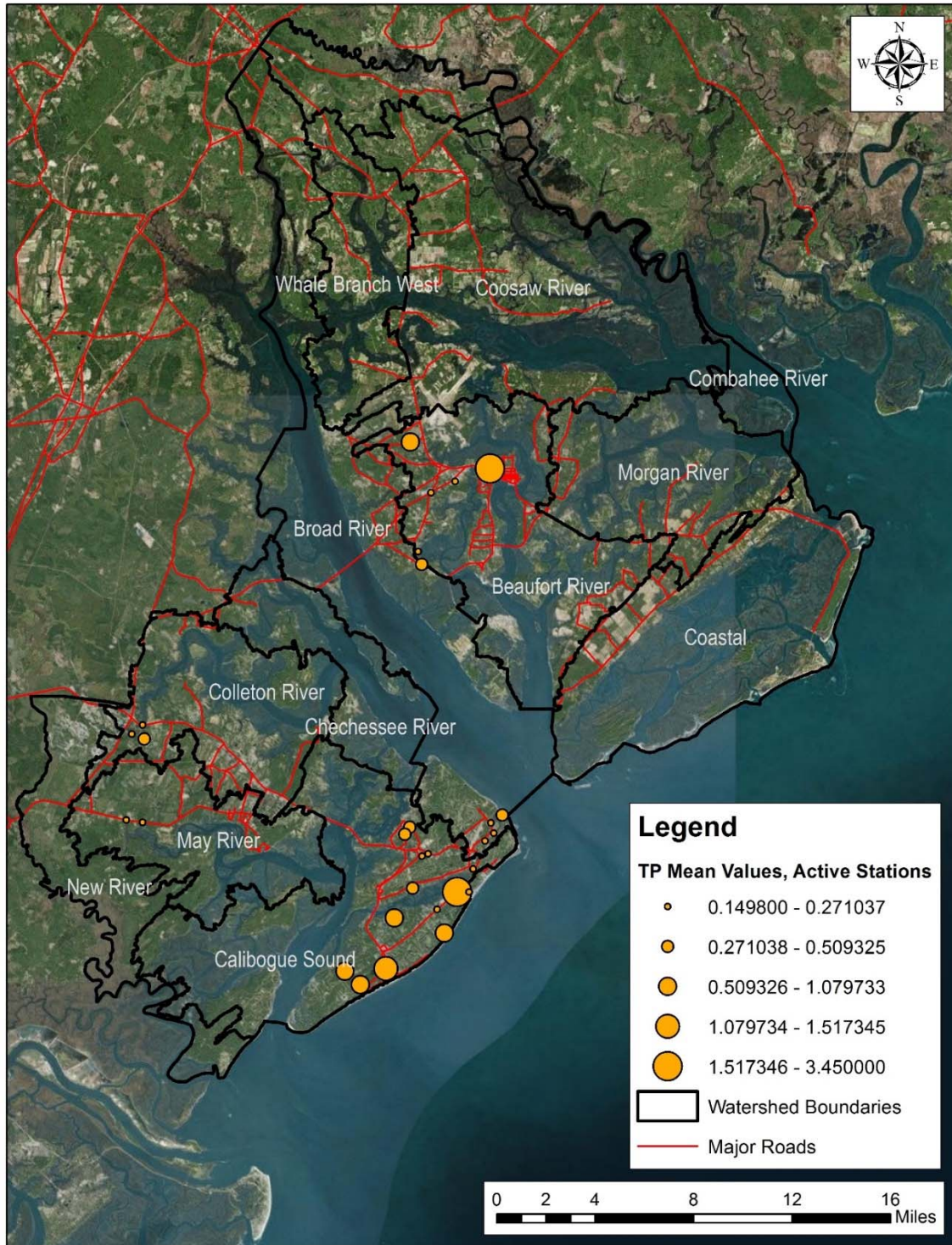




Figure 7: Mean Total Phosphorus concentrations for stations with records longer than 1-year

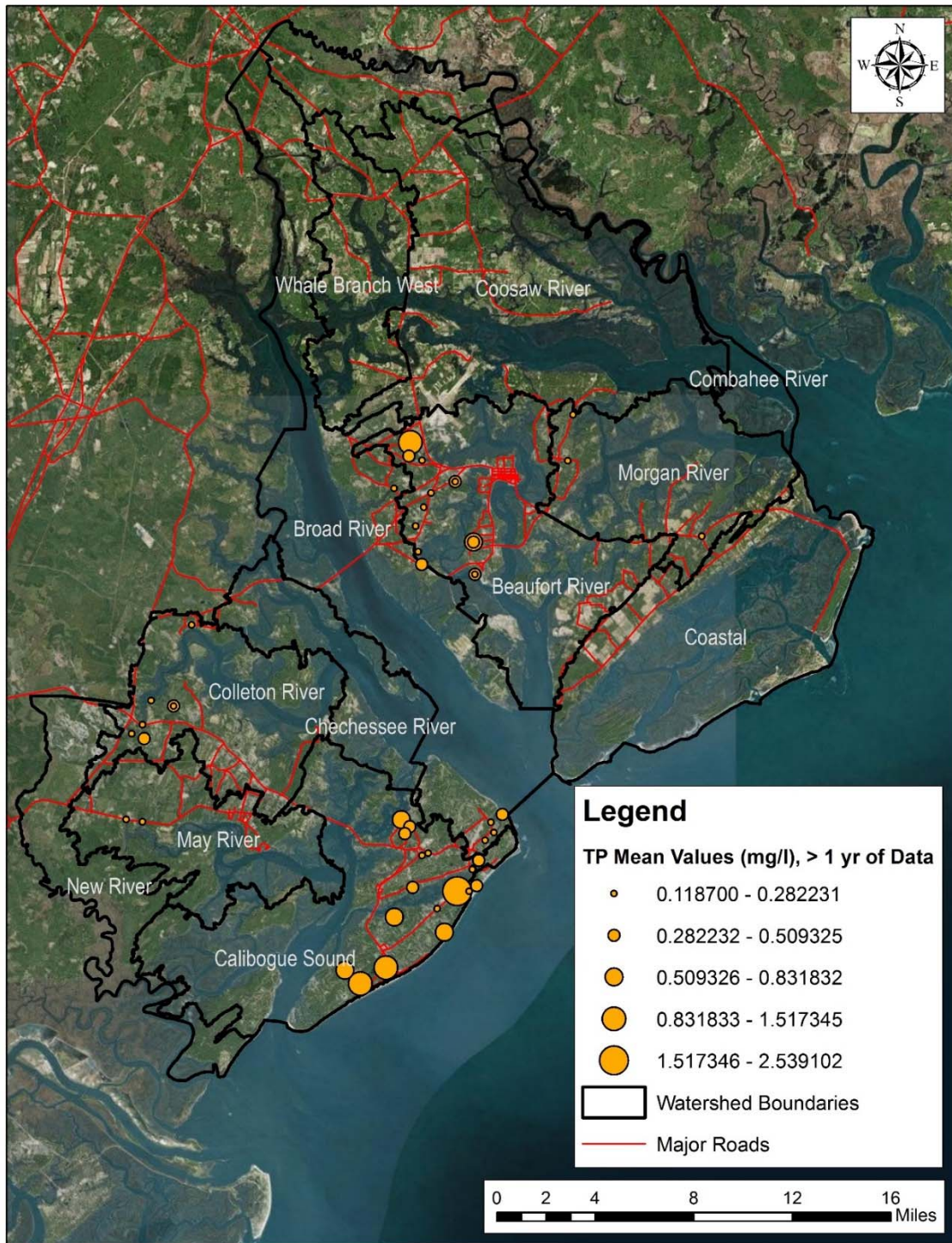
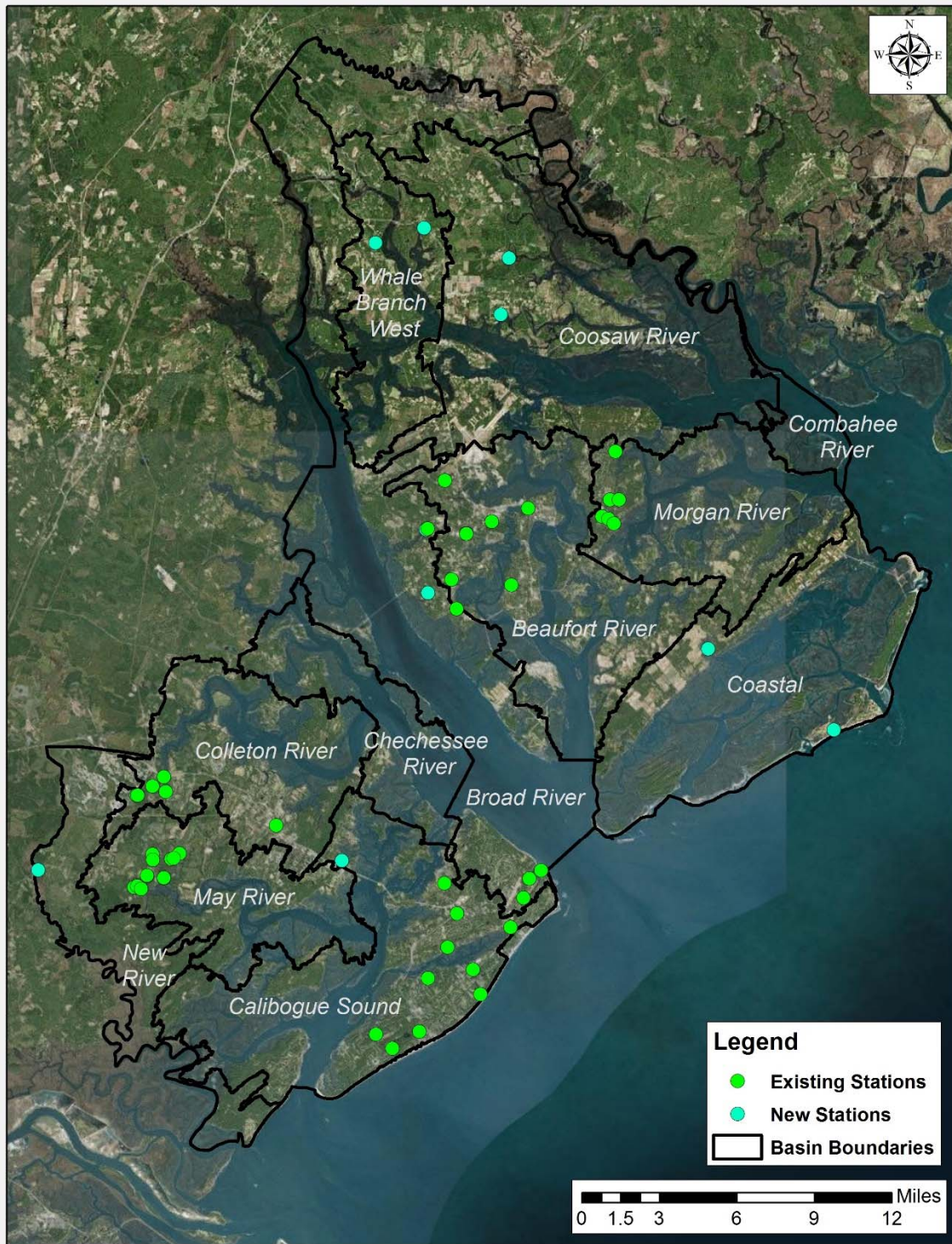




Figure 8: Recommended Monitoring Locations



Sampling would be conducted on a monthly basis. Sampling events will note weather conditions, flow conditions and tidal condition (ebb and flood) Field parameters monitored during each sampling event include temperature, dissolved oxygen (DO), conductivity/salinity, pH and turbidity. Samples will be collected and analyzed for the following parameter list:

- Enterococci (saltwater)
- Escherichia Coli (E Coli) (freshwater)
- Fecal coliform bacteria
- Total suspended solids (TSS)
- Biochemical oxygen demand (BOD)
- Ammonia nitrogen
- Nitrite and nitrate nitrogen
- Total Kjeldahl nitrogen (TKN)
- Total phosphorus
- Chlorophyll-a
- Total organic carbon (TOC) quarterly
- Metals (cadmium, chromium, copper, iron, lead, manganese, mercury, nickel and zinc) quarterly#
- Hardness, quarterly#

Samples collected will be characterized as either “dry” or “wet” samples, based on the amount of precipitation received over the 72 hours preceding sample collection. If less than 0.1 inches of rain fell in the 72 hours before the time of sampling, the sample will be classified as dry weather samples. If 0.1 inches of rain or more fell during the 72-hour period, the sample was categorized as a wet weather sample. By identifying the weather conditions preceding each sampling event, it is hoped that contaminant concentrations can be linked to base- or low-flow conditions, or high-flow associated with stormwater run-off, thus providing valuable diagnostic information regarding potential source(s) of pollution.

Results from the laboratory analysis and field-collected parameters will be compared to the applicable water quality standards and criteria contained in SCDHEC Rule R.61-68, Water Classifications and Standards. Modifications to the plan including stations to be sampled and observed concentrations will be adjusted based on the results obtained. Recommended statistical evaluations include standard descriptive statistics including data distribution, trend analysis (Kendall-Tau) and inter-station comparison (Mann Whitney, Wilcoxon).

Four stations would also include automatic sampling stations, at which sampling will be activated during storm events so that stormwater runoff sampling can be reliably conducted. The four sites will be selected to represent runoff quality from different urban land use types (e.g., industrial, residential/golf course) and observed receiving water quality. In general, the same parameters will be sampled. Measurements of rainfall, stage, velocity and flow rate will also be made at the automatic sampling stations. The purpose of this sampling is to provide additional information to better define relationships be runoff event mean concentrations (EMCs) and receiving water quality. Preliminary pollutant loading modeling has revealed locations where resultant fecal coliform loads from the model were not excessive as compared to other areas but associated receiving waters were known “hot spots” based on evaluation of water quality data (i.e. tidal creek areas of May River and Okatie River). Other factors such

as salinity regime changes, flushing, etc. also have an effect on observed FC levels in receiving waters. In addition to providing local EMC data to support future modeling efforts, this also provides insights as to the importance of the various factors that affect receiving quality. It is anticipated that 12 or more storm event samples will need to be collected at each location to estimate event mean concentrations with a reasonable confidence (95%). The actual number will depend on the variability of the data record at each location.

DHEC stations, classified as “shellfish” stations, will be evaluated concurrently for bacteria and salinity data. The objective is to use the collected data for comparison to the water quality model results, to determine if the model parameters provided a reasonable simulation of bacteria conditions, or whether the model should be refined with adjusted mixing and first-order loss parameter values.

## Appendix R

### 2018 Update Water Quality Data Analysis

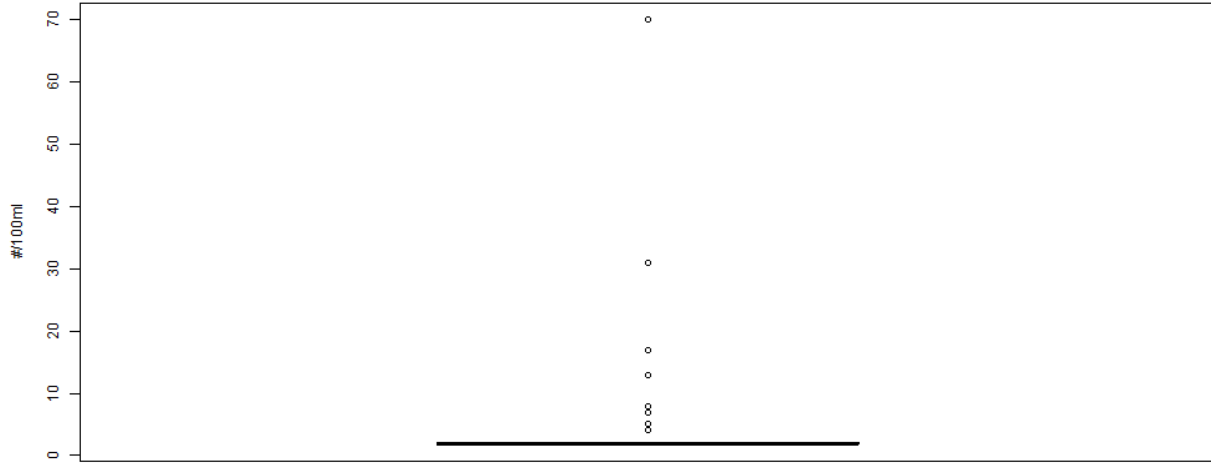


## Box and Whisker

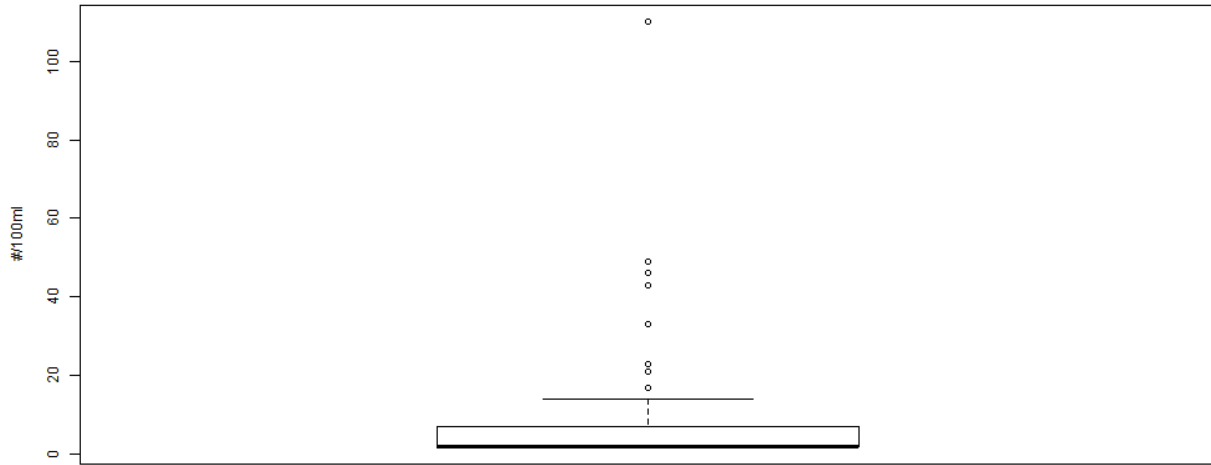




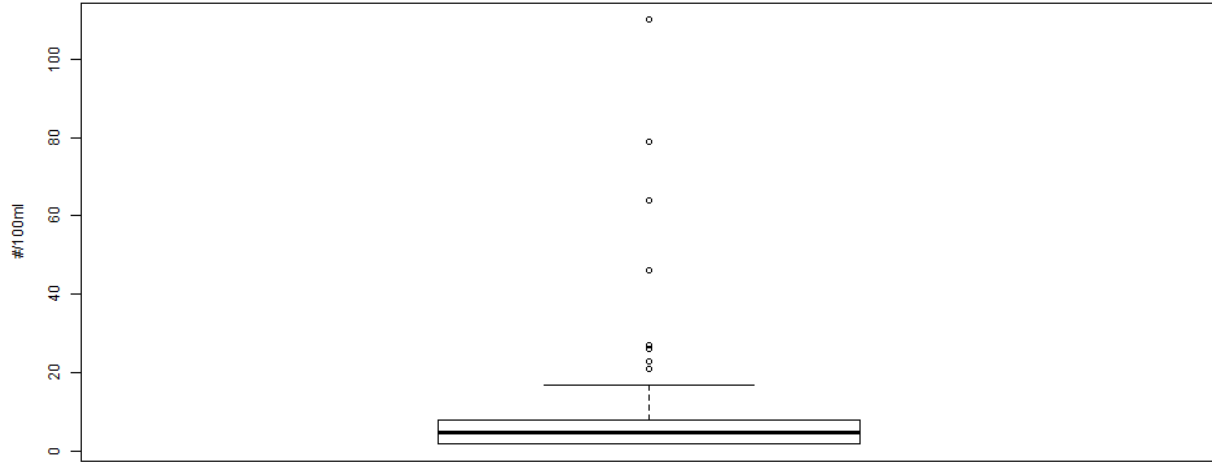
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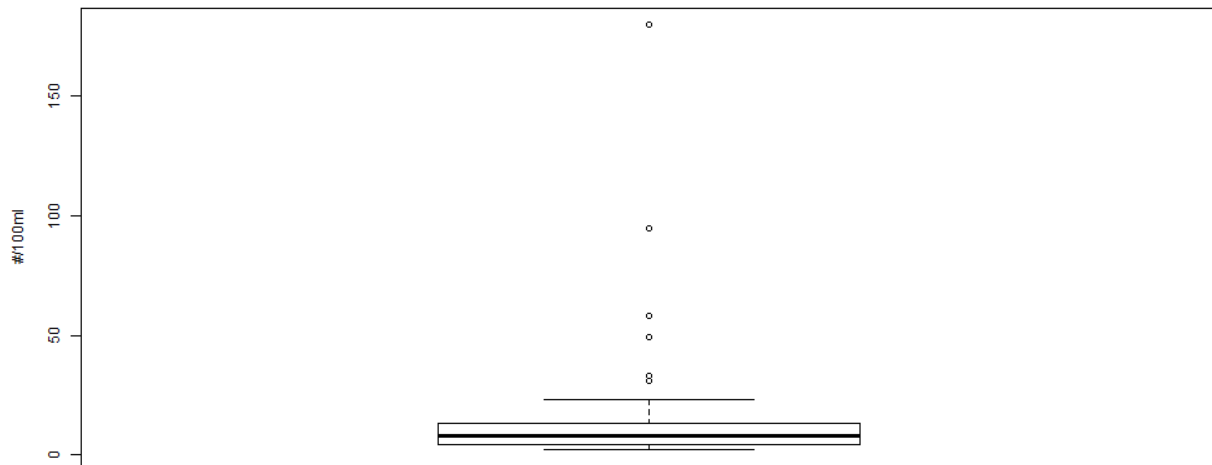
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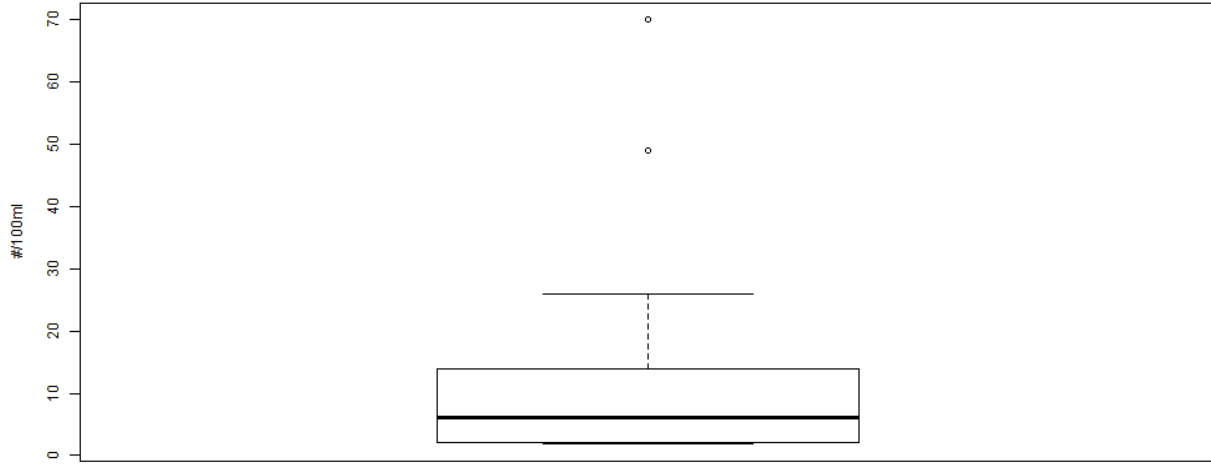
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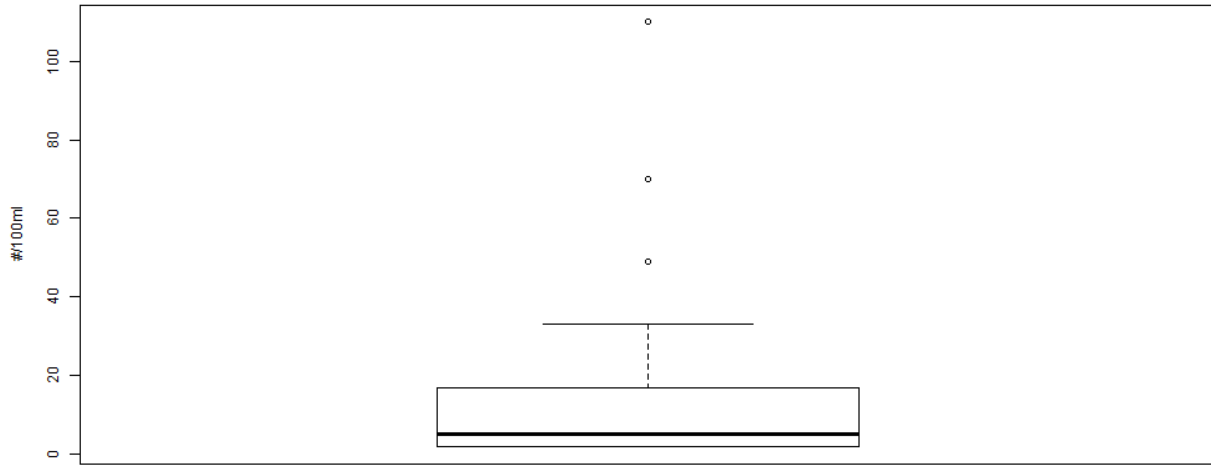
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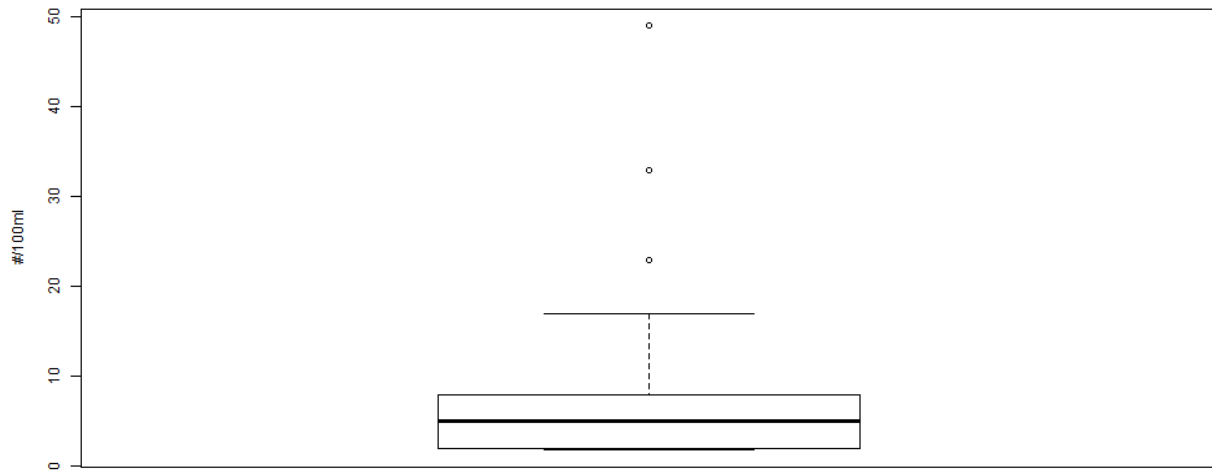
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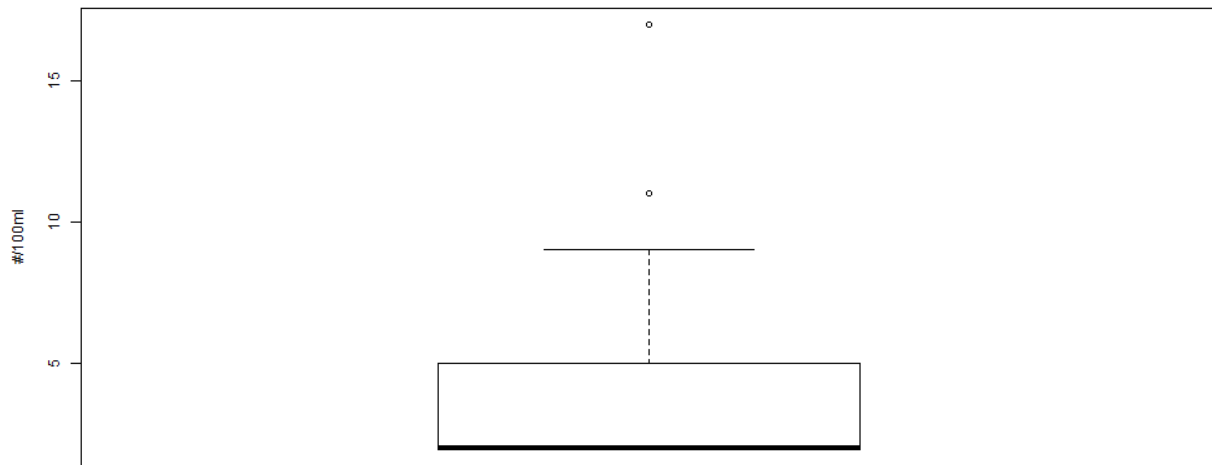
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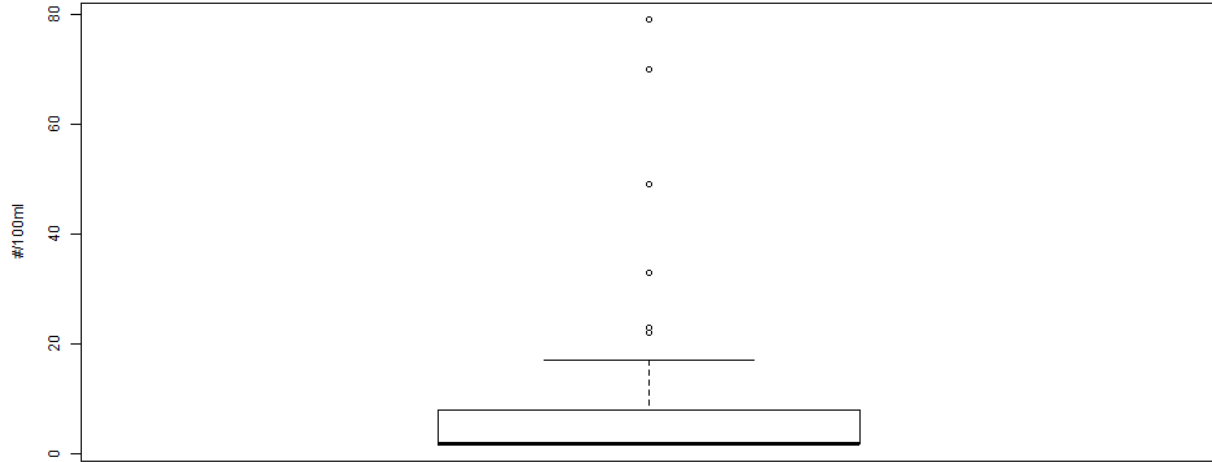
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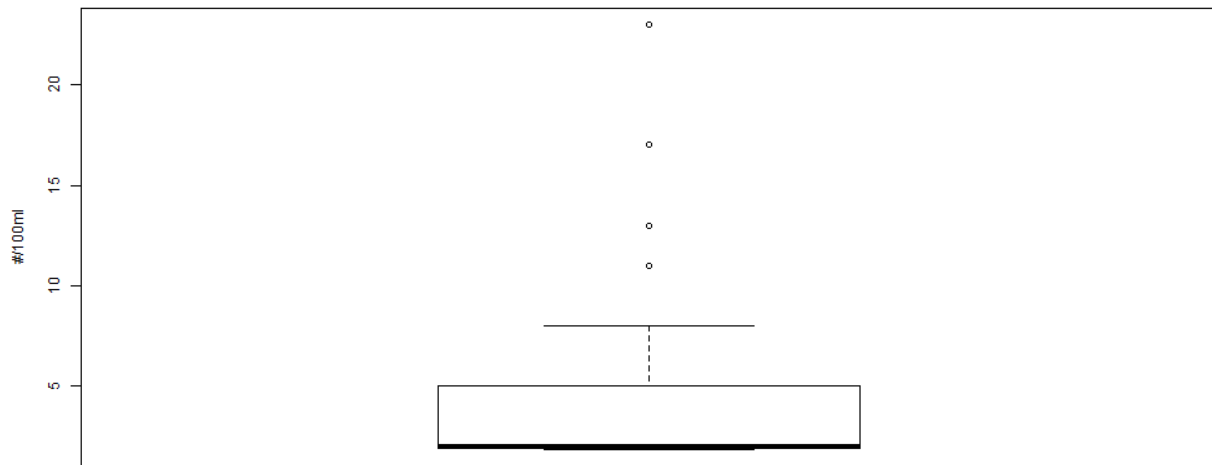
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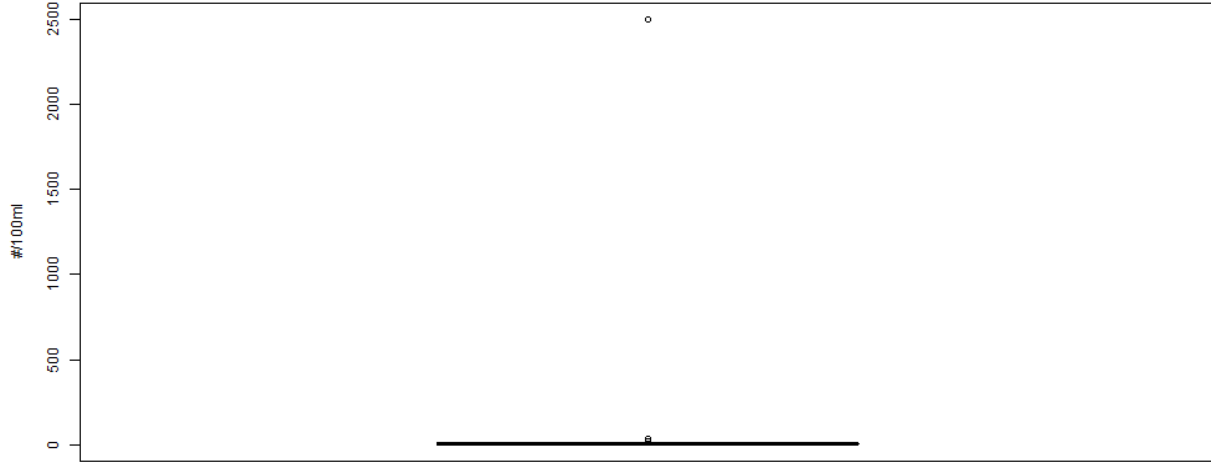


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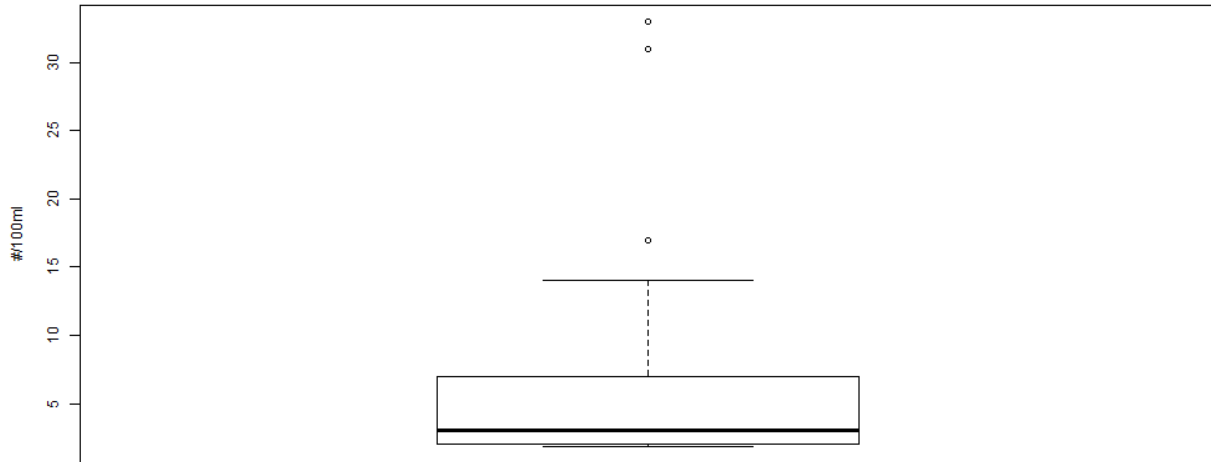




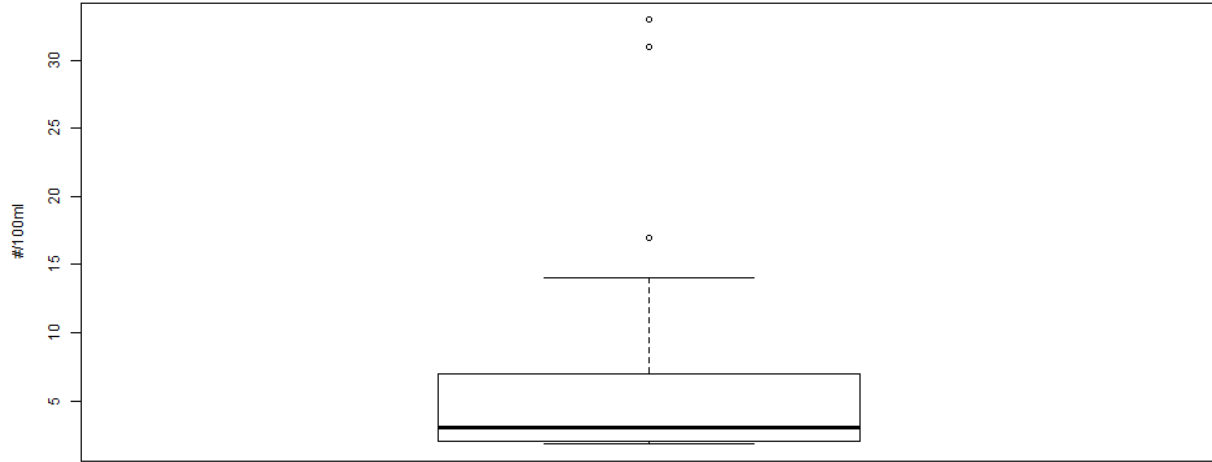
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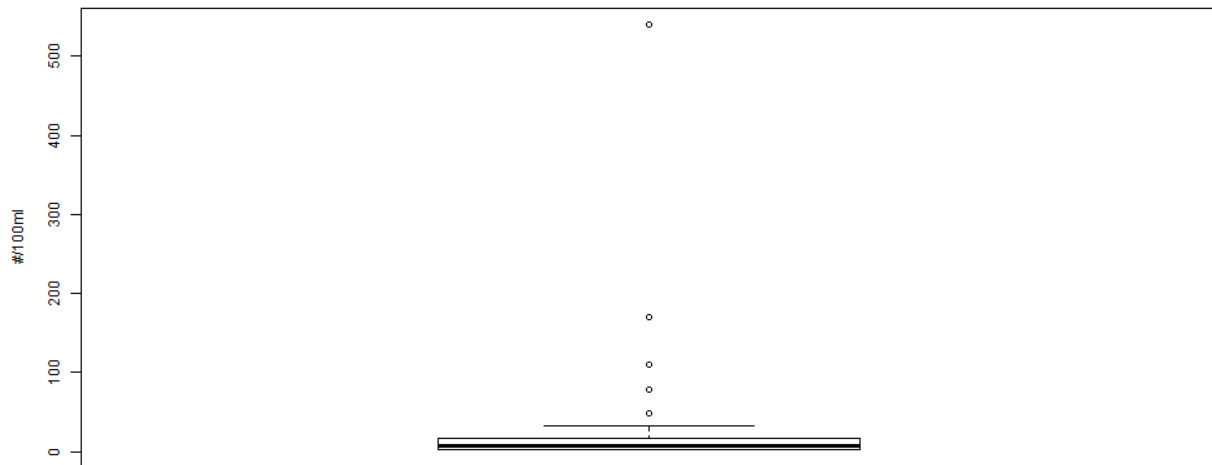
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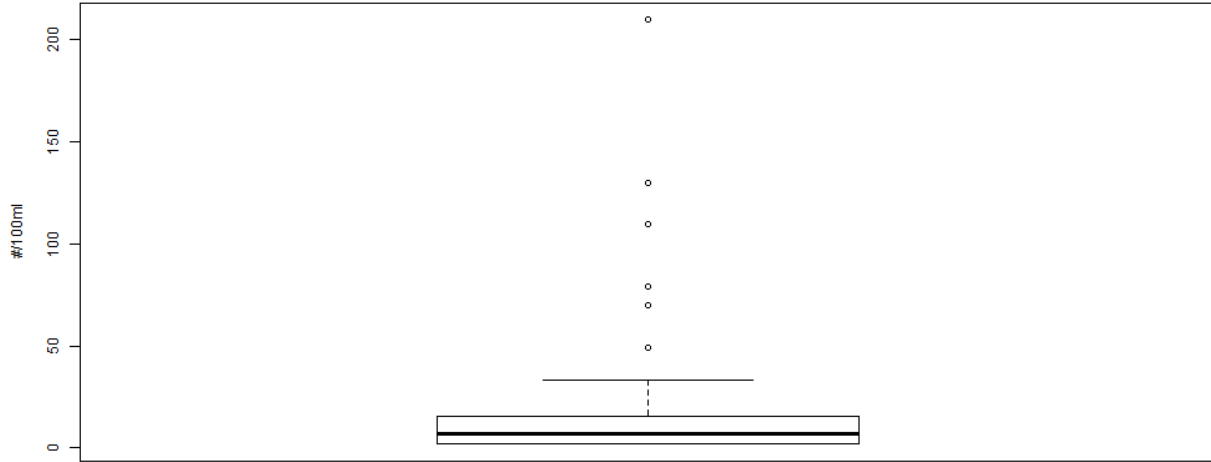
15-18edit



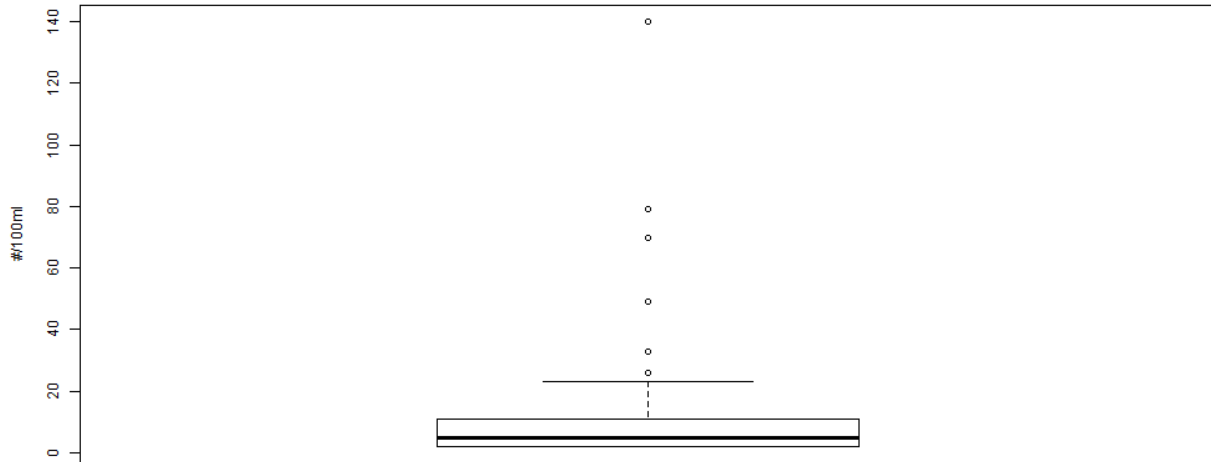
15-19



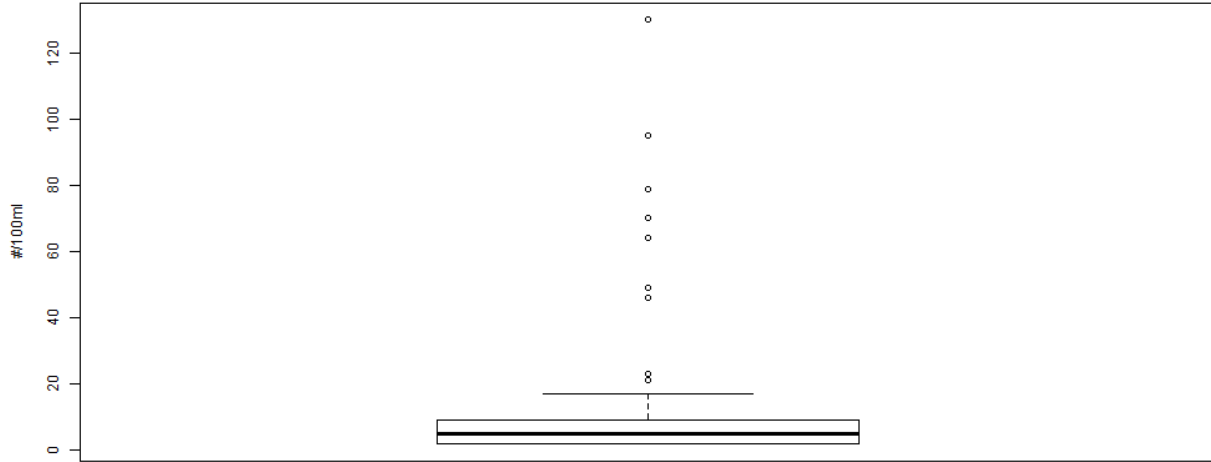
15-20



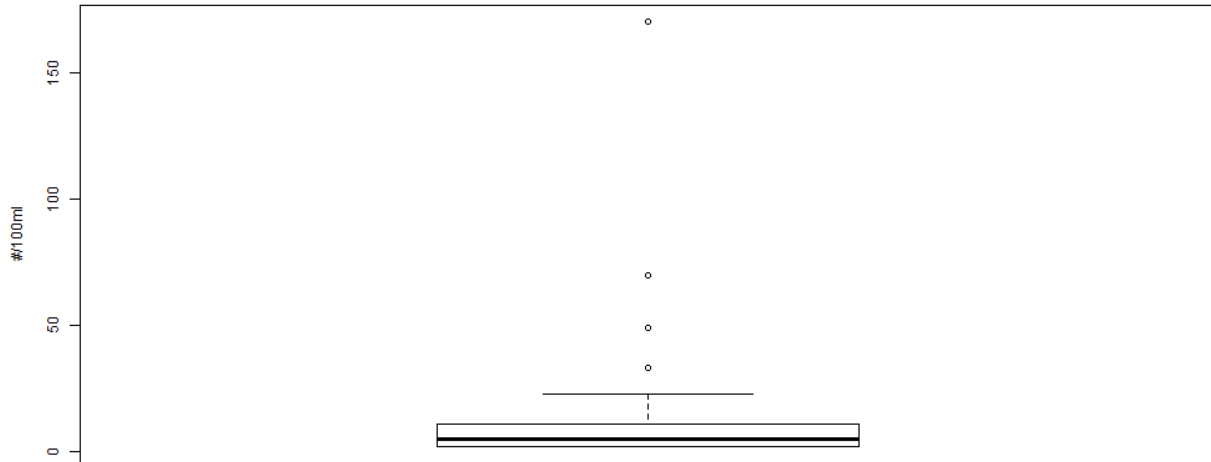
15-21



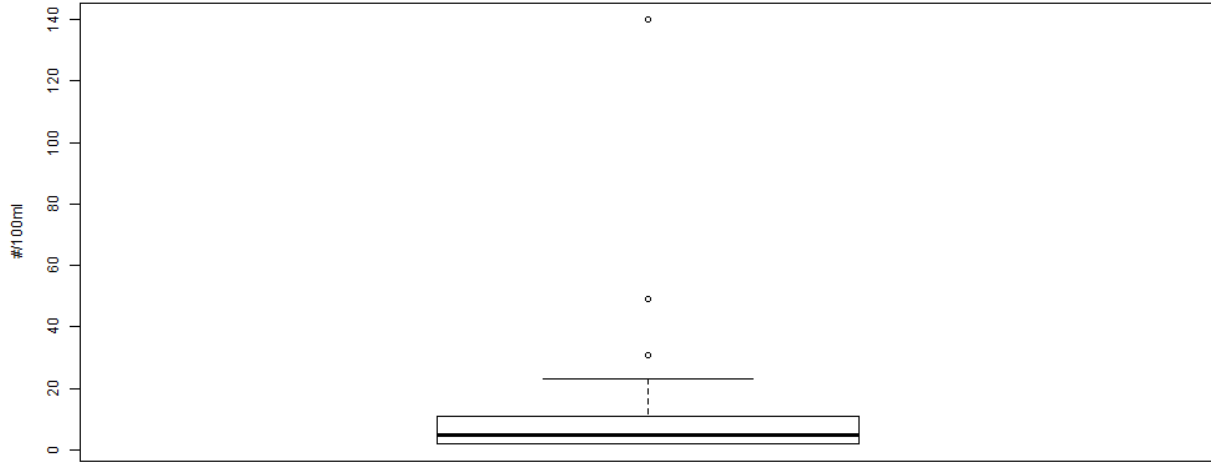
15-23



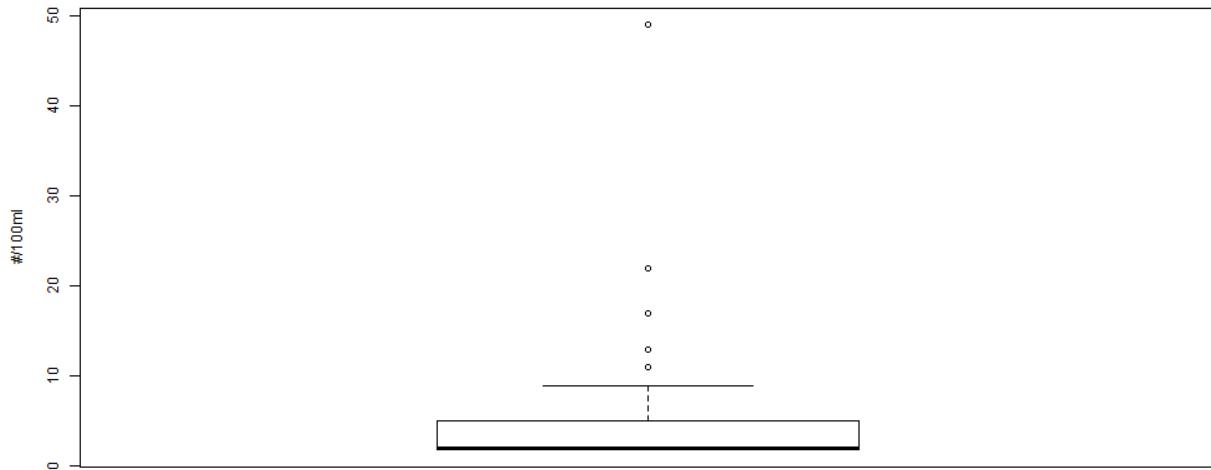
16A-08



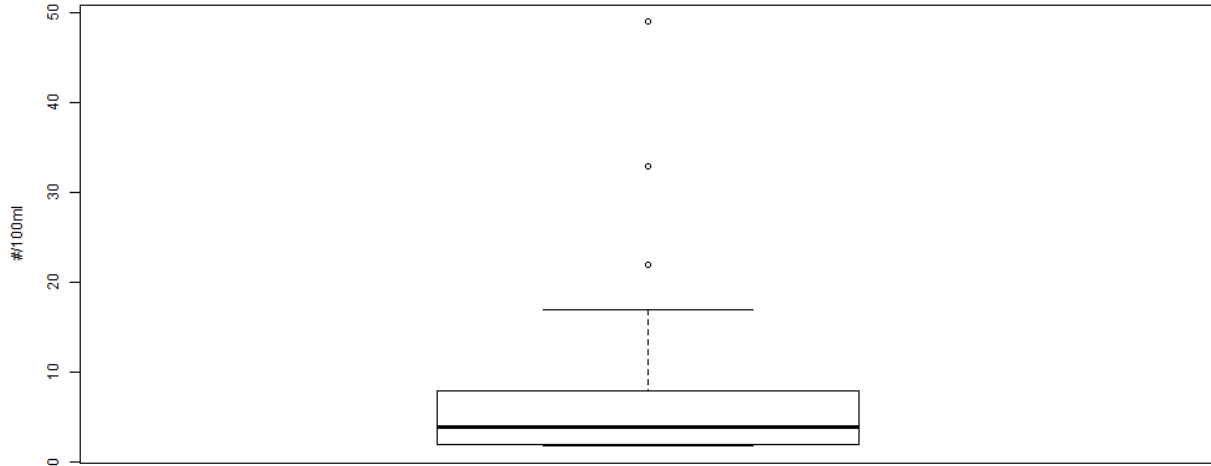
### 16A-09



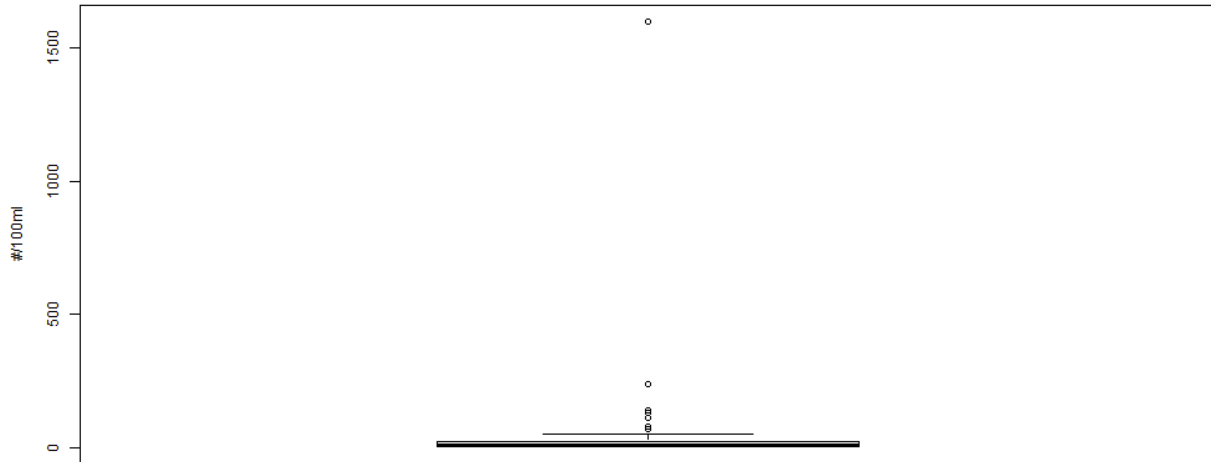
### 16A-10



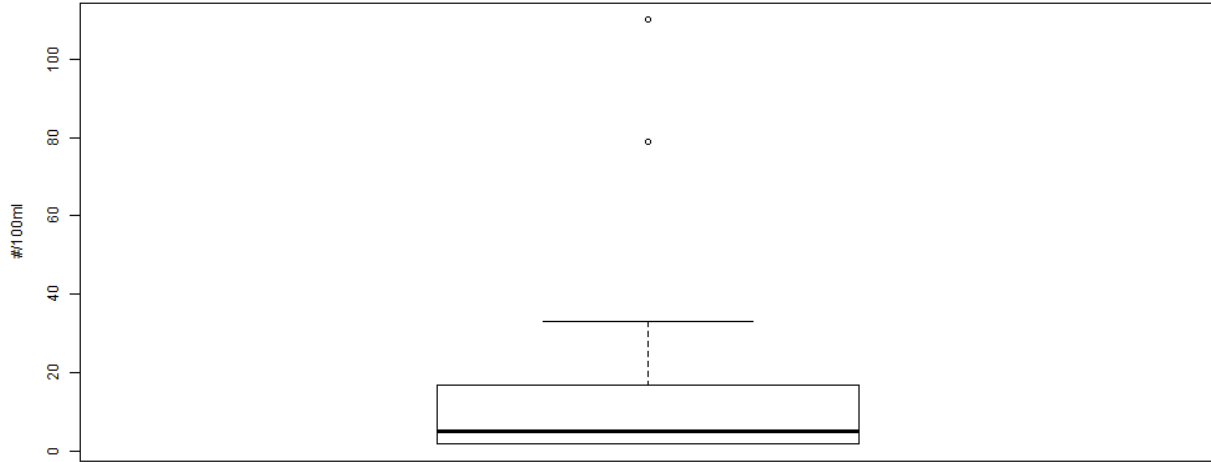
16A-11



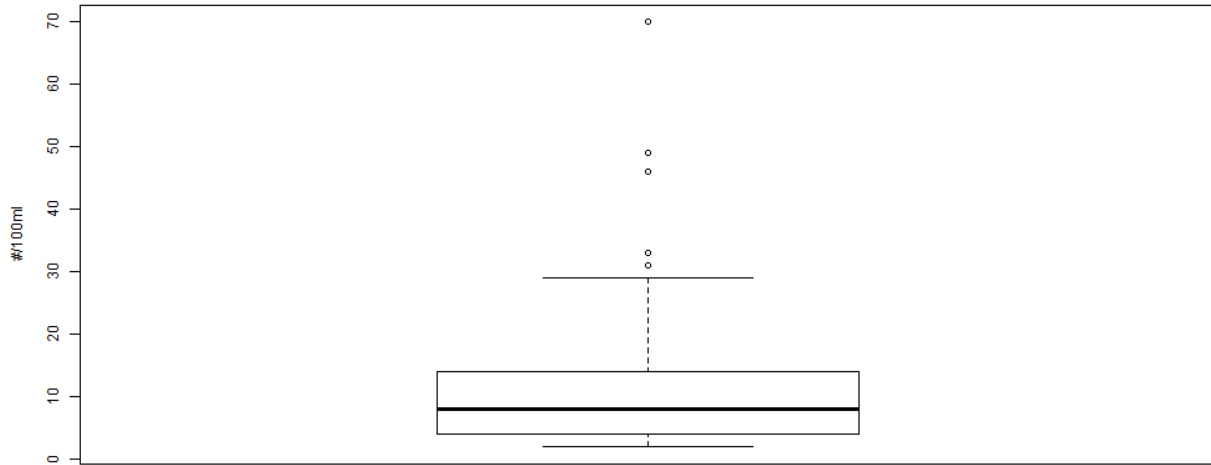
16A-13



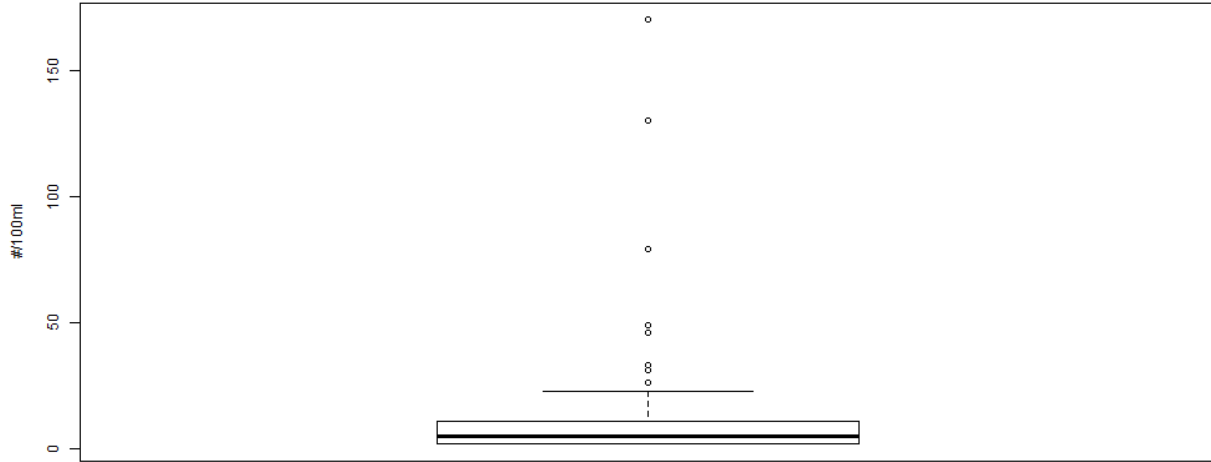
**16A-13A**



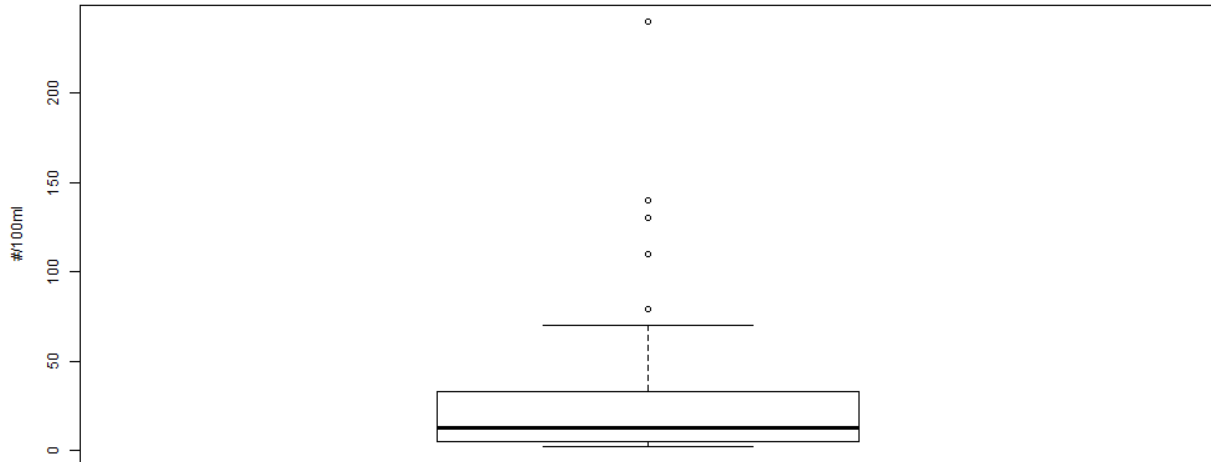
**16A-13B**



16A-14

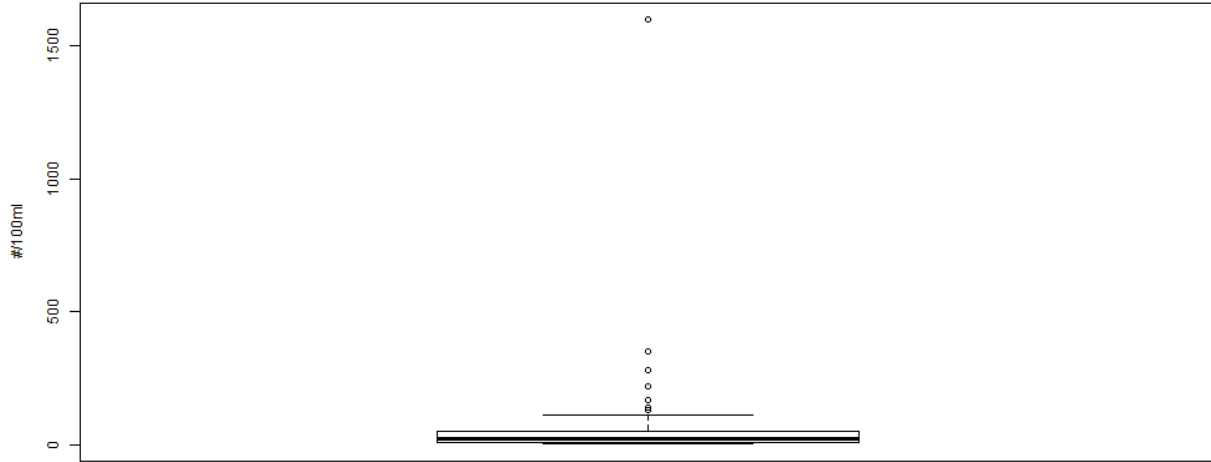


16A-18

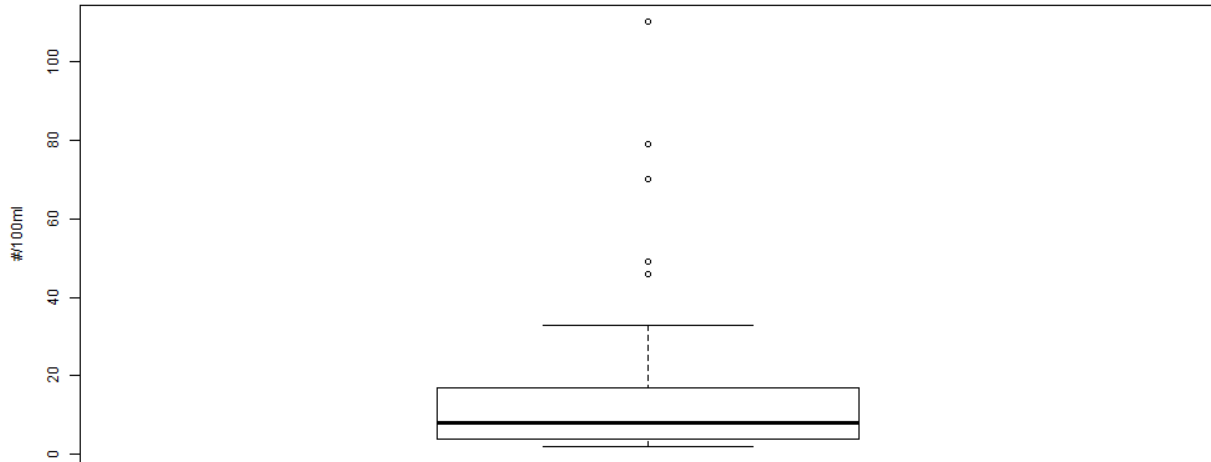




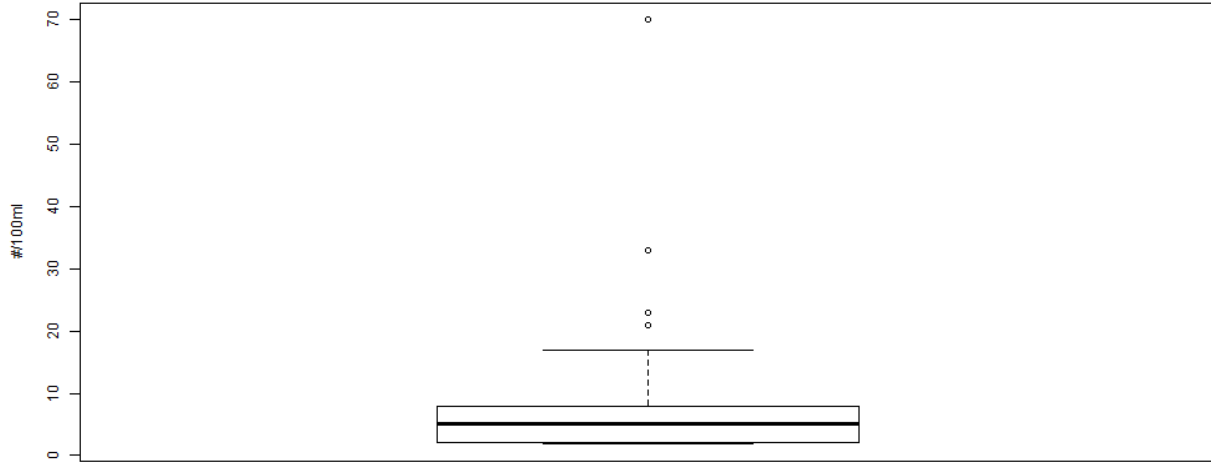
16A-19



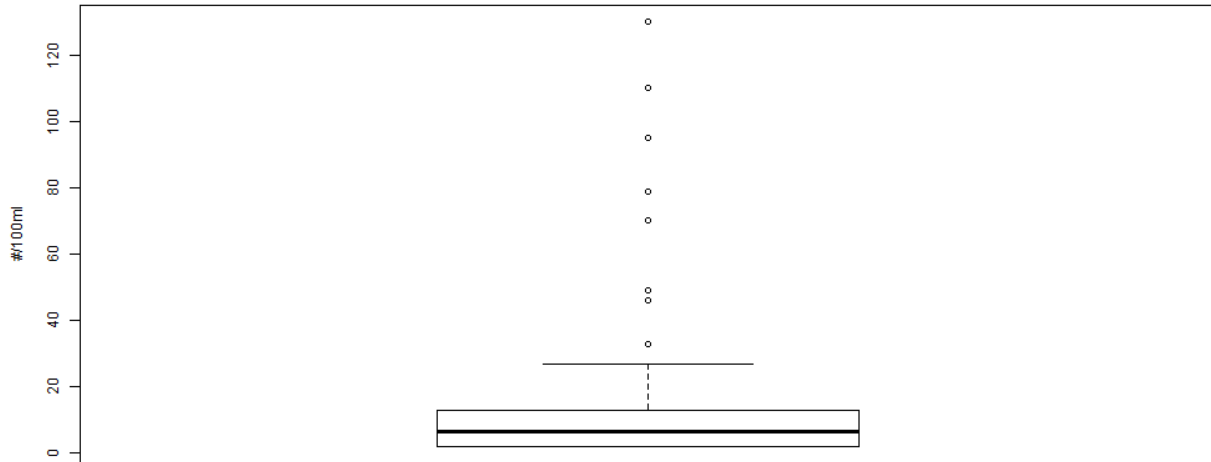
16A-23



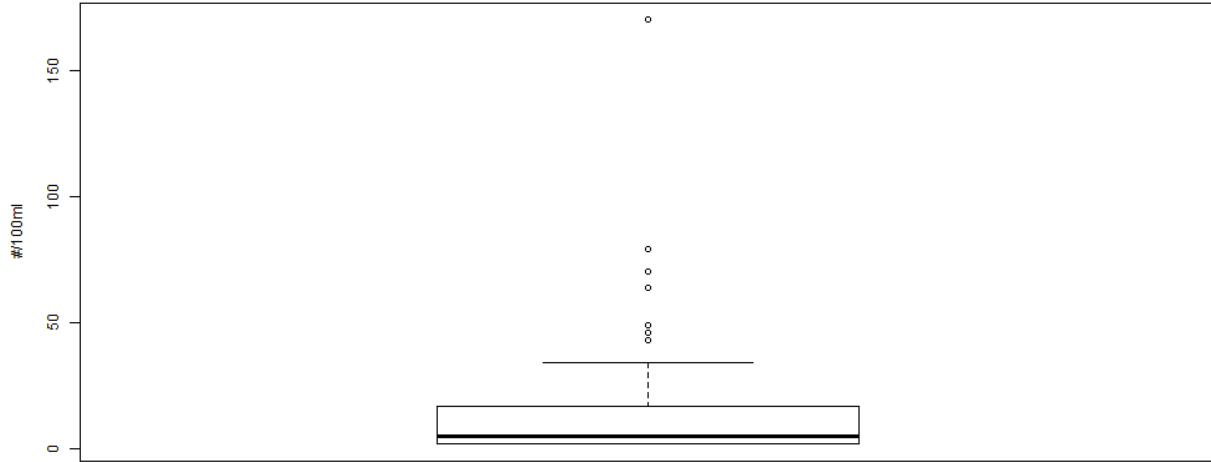
16A-24



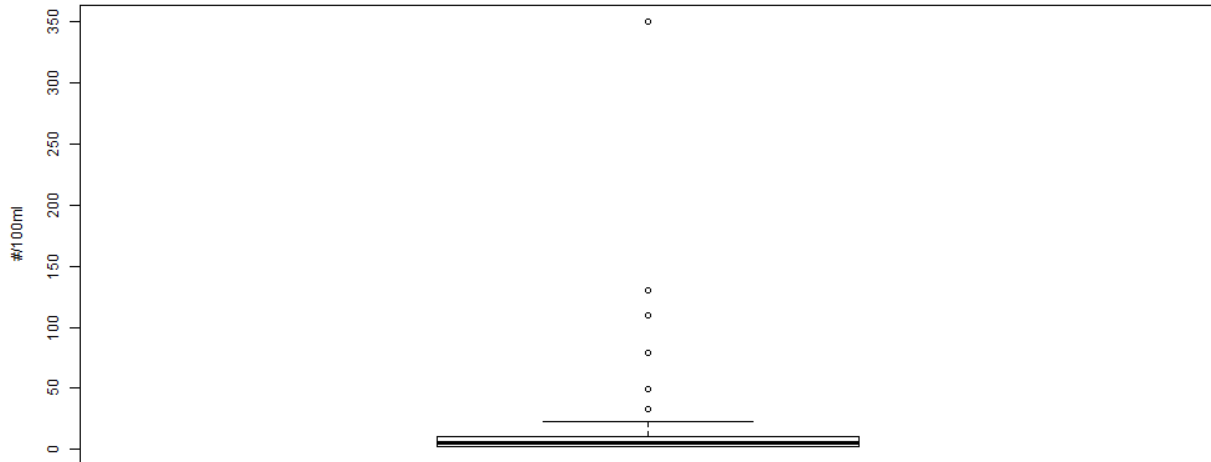
16A-25



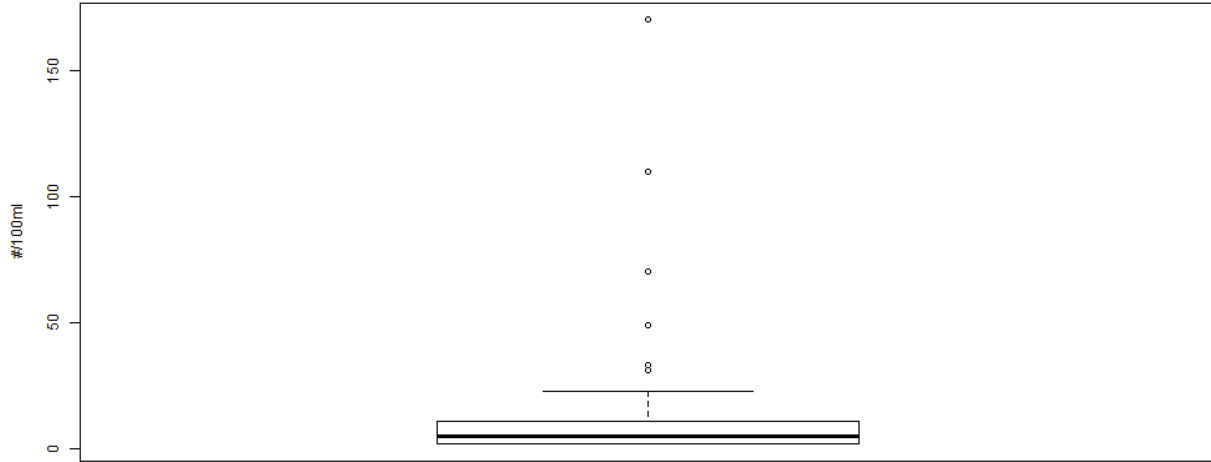
16A-27



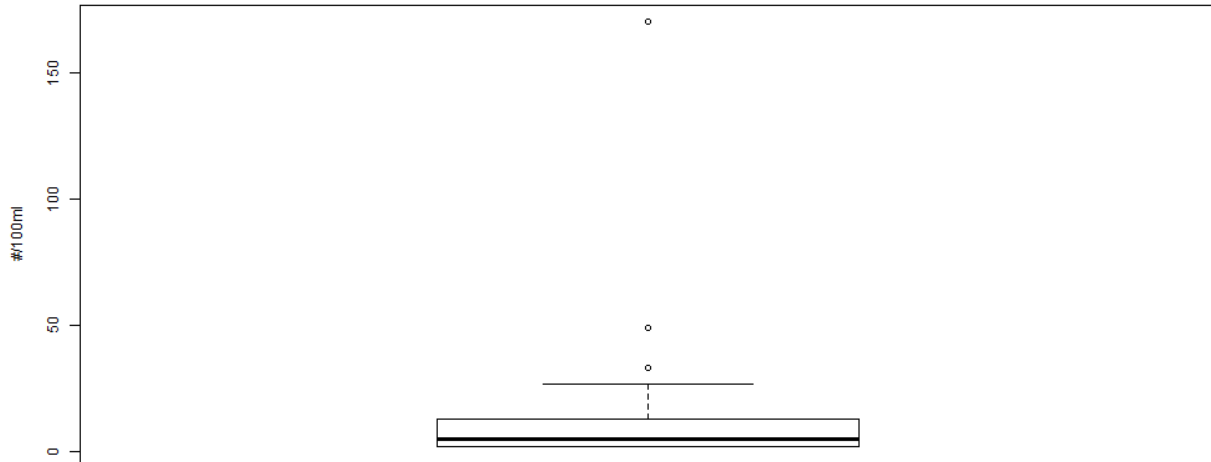
16A-30



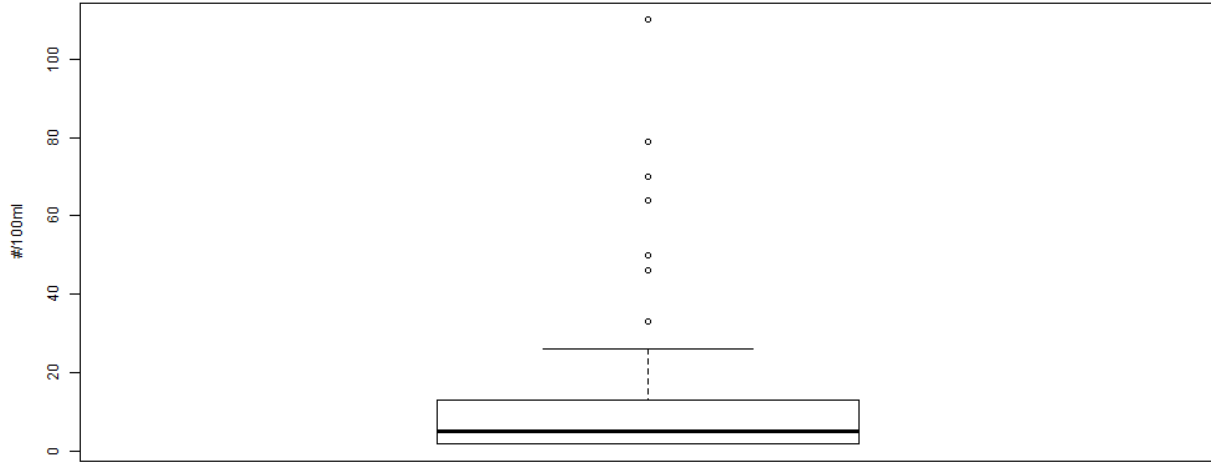
### 18-01



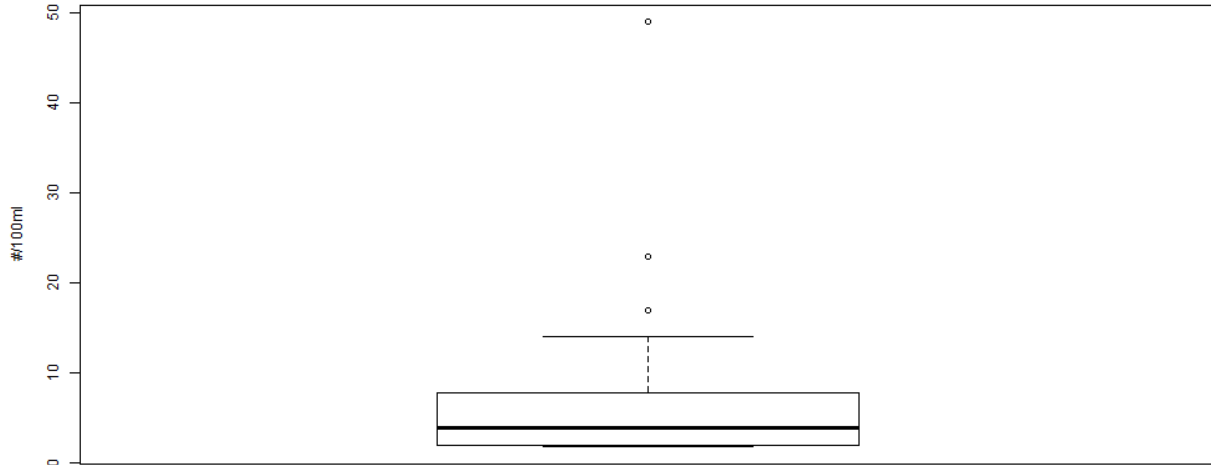
### 18-02



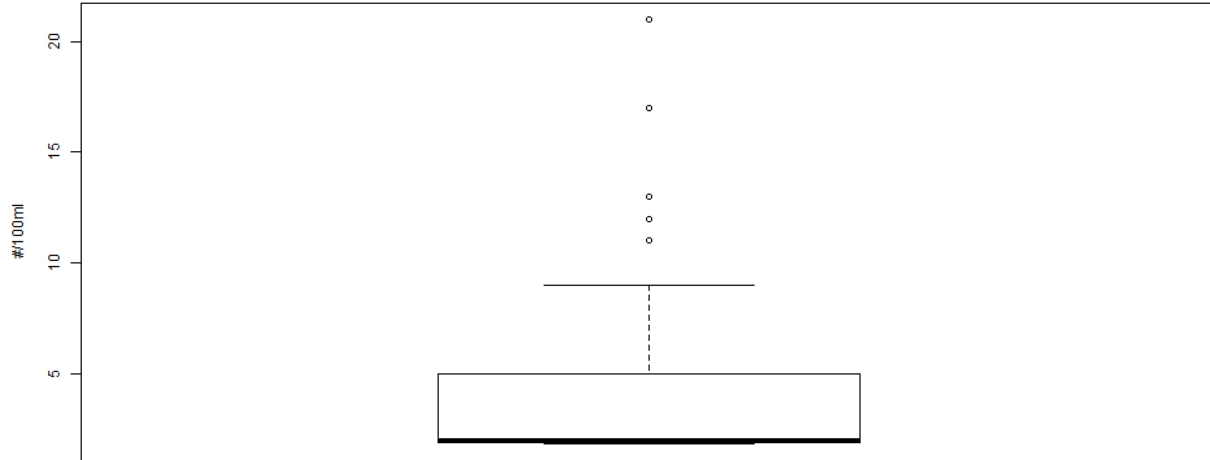
18-03



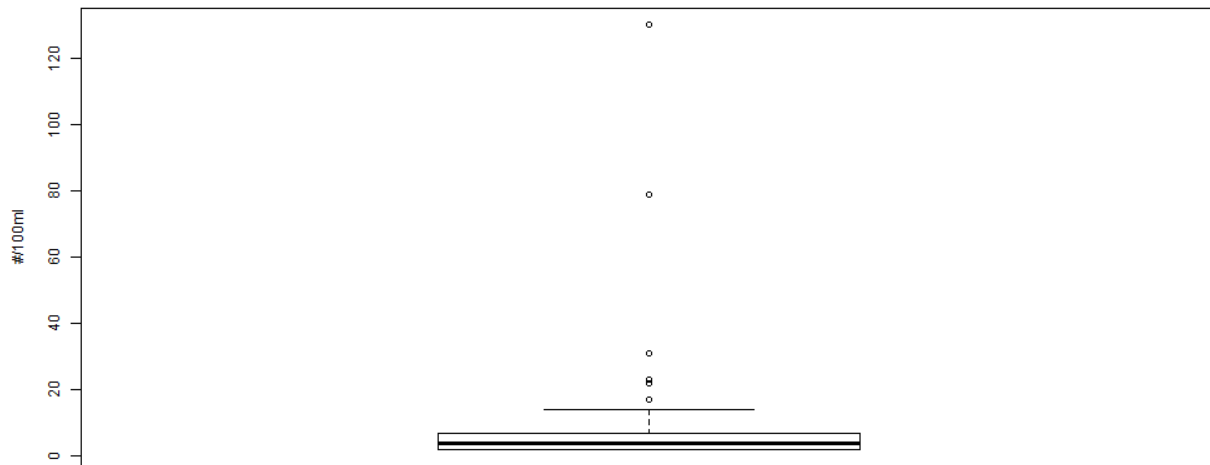
18-04



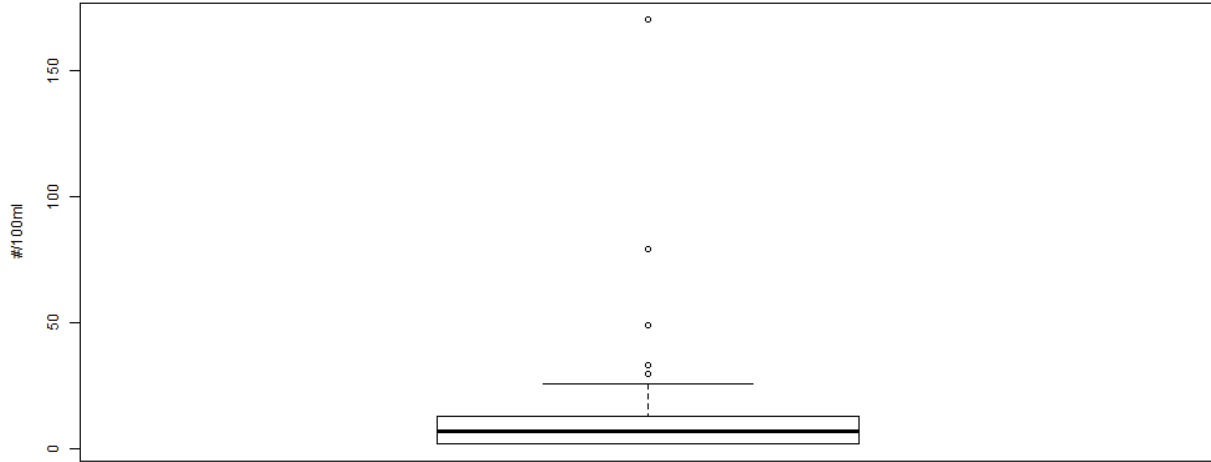
### 18-05



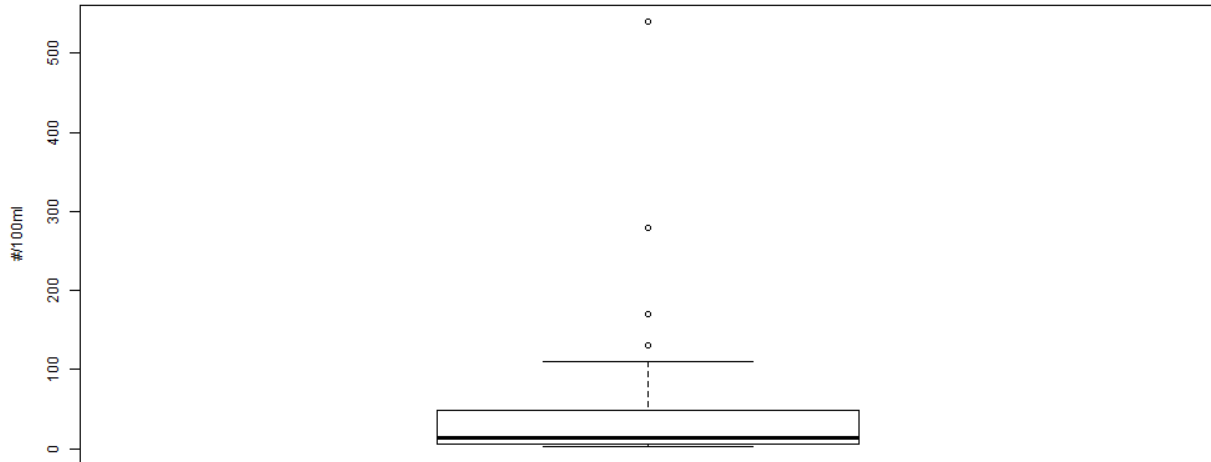
### 18-06



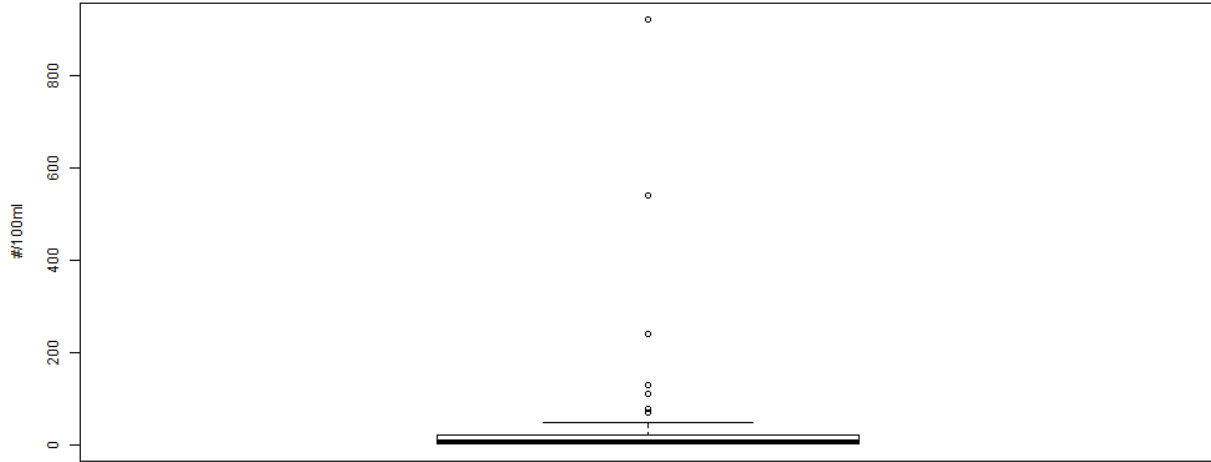
18-07



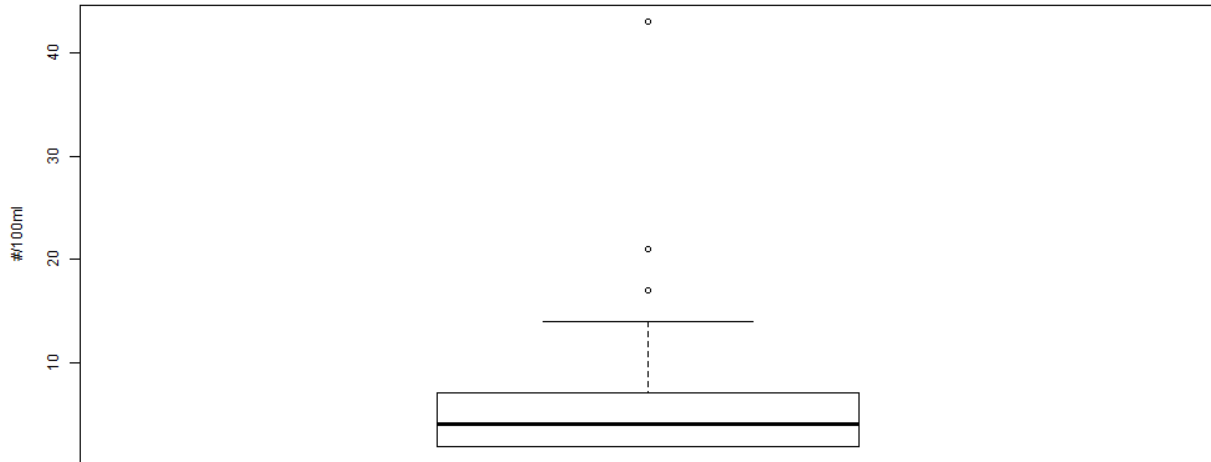
18-08



18-09

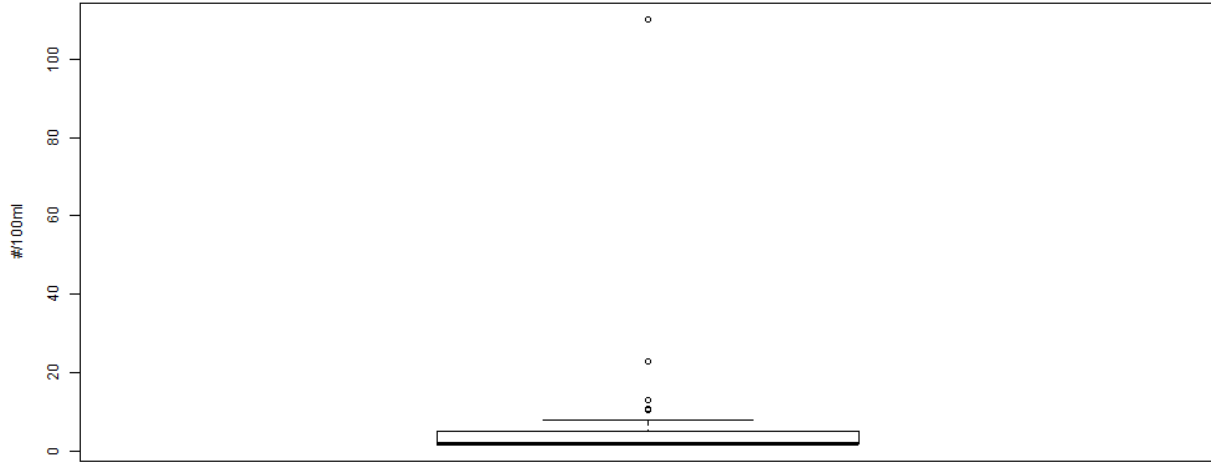


18-15

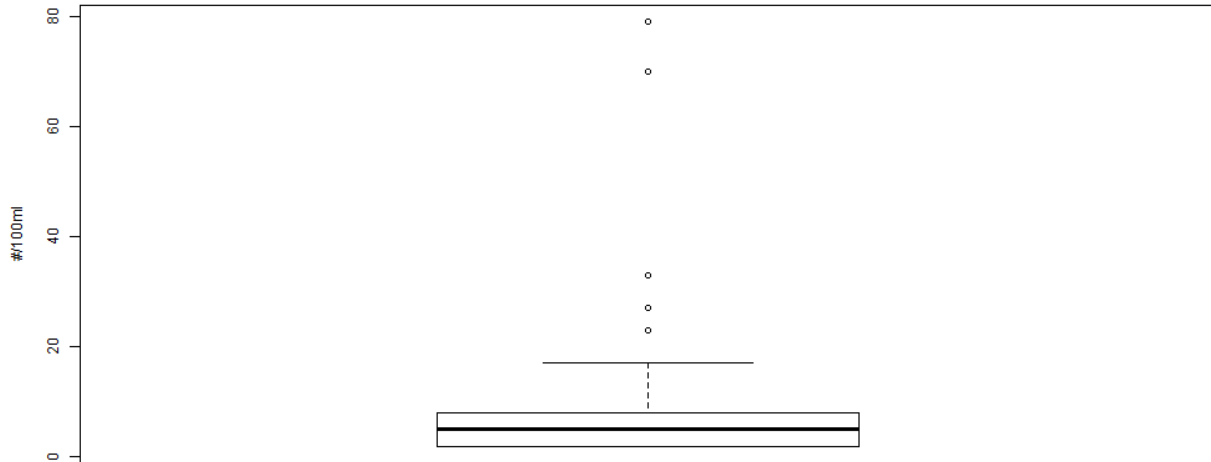




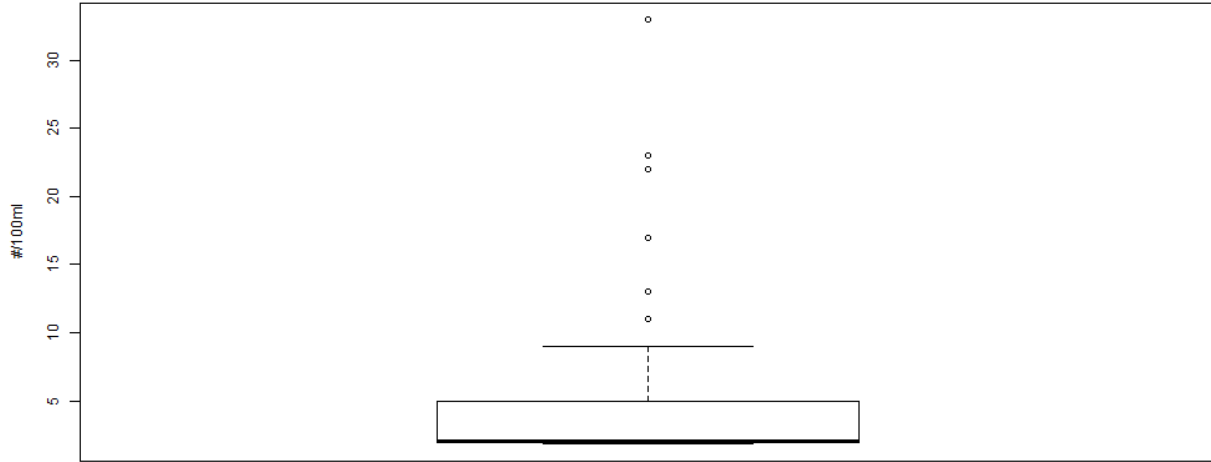
### 19-01



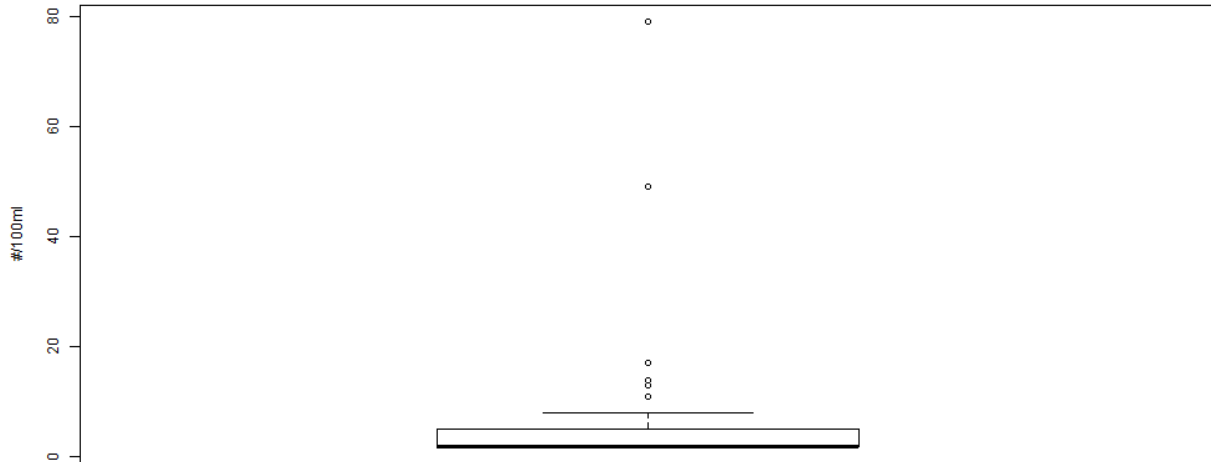
### 19-02



19-03

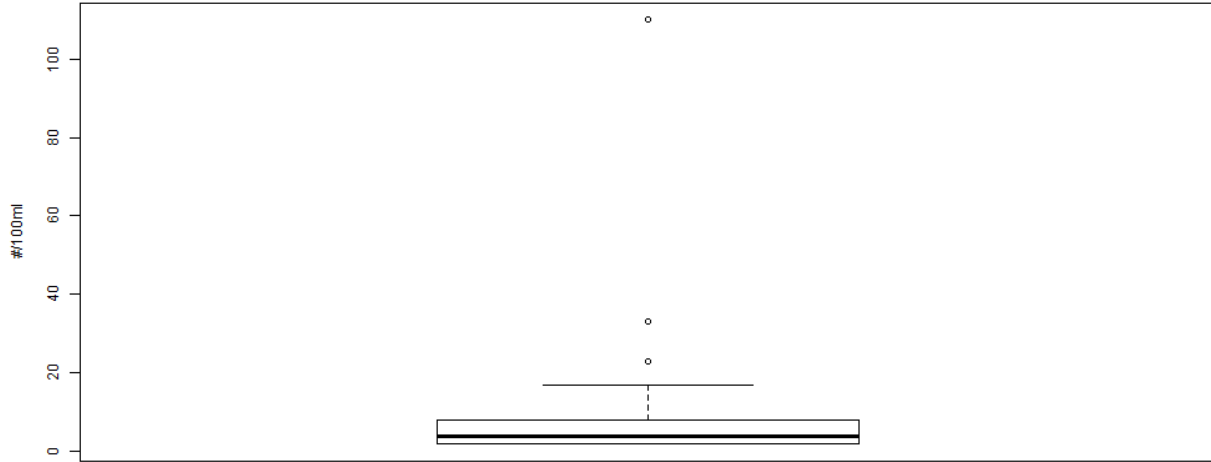


19-09

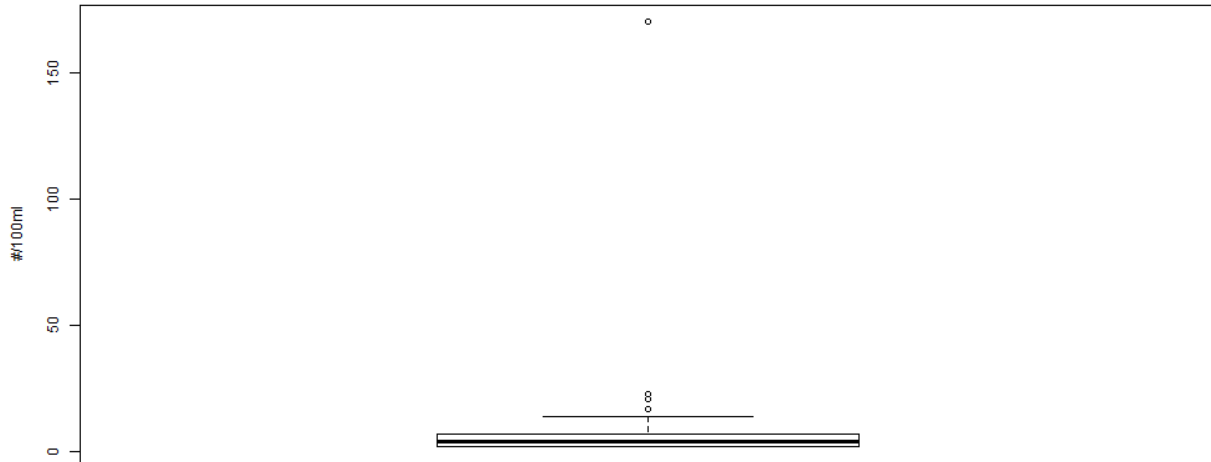




19-16



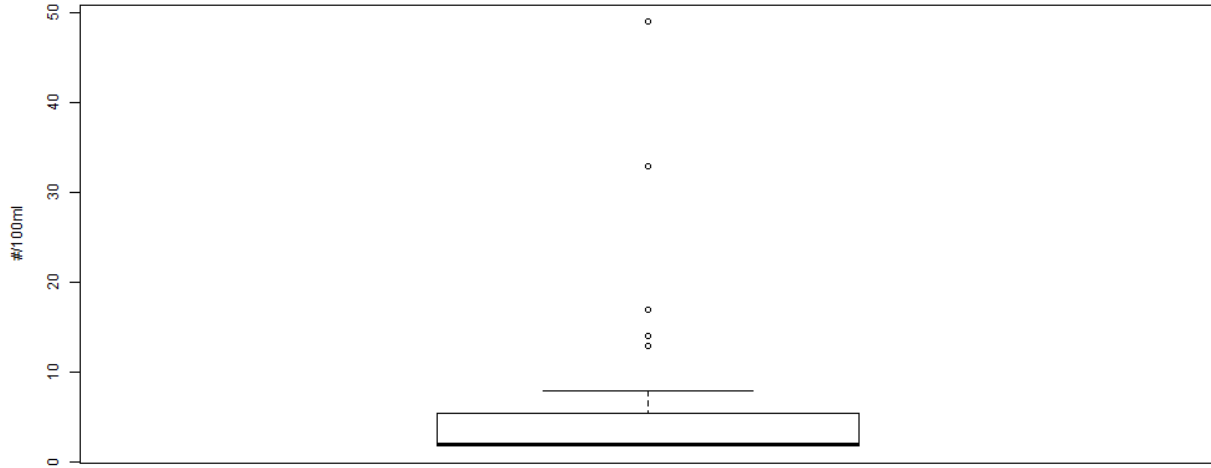
19-18



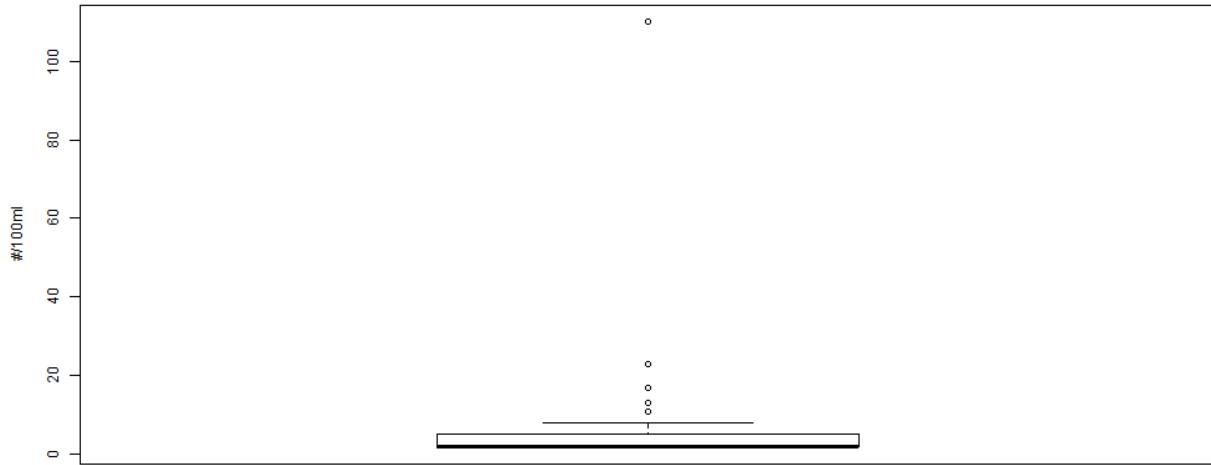




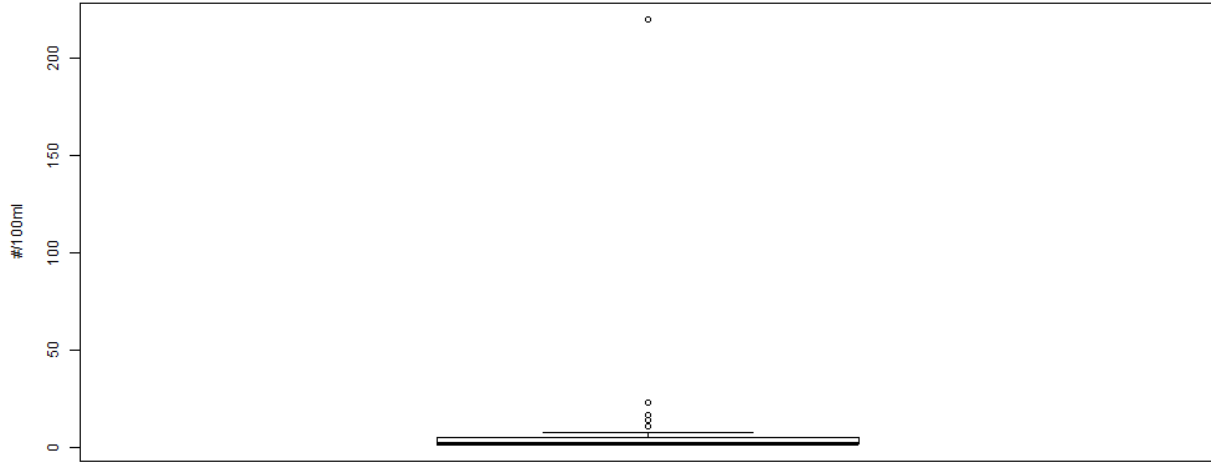
20-06



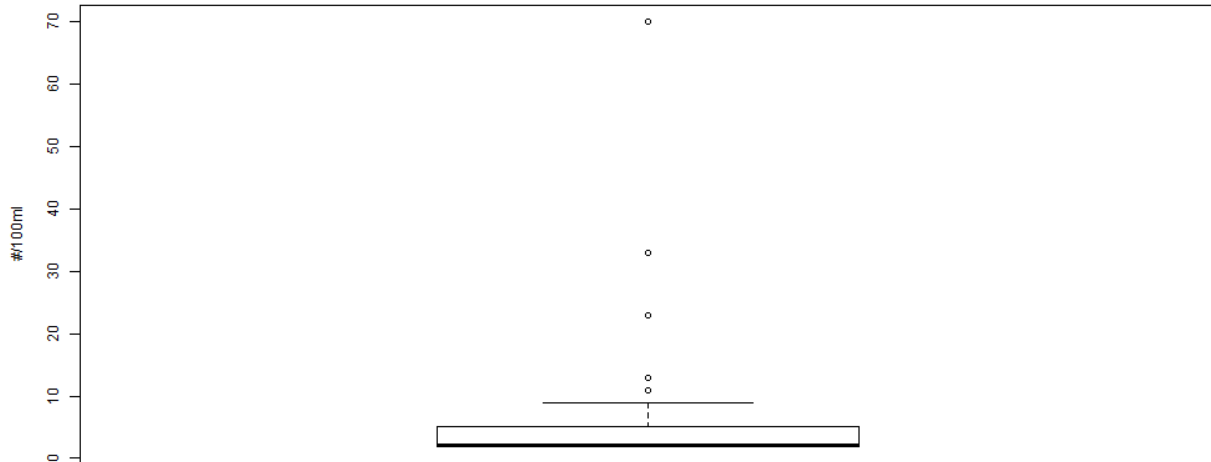
20-07



### 20-10

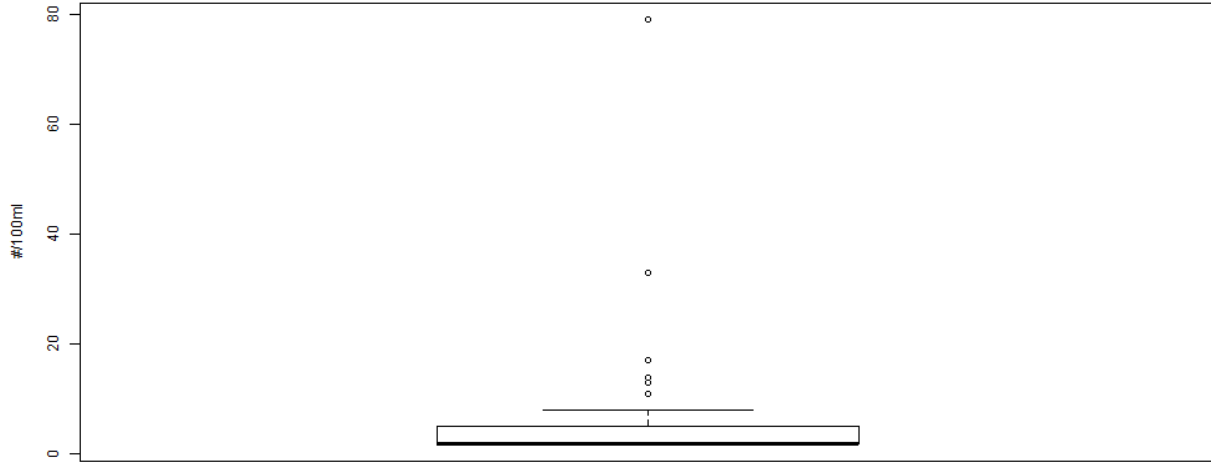


### 20-11

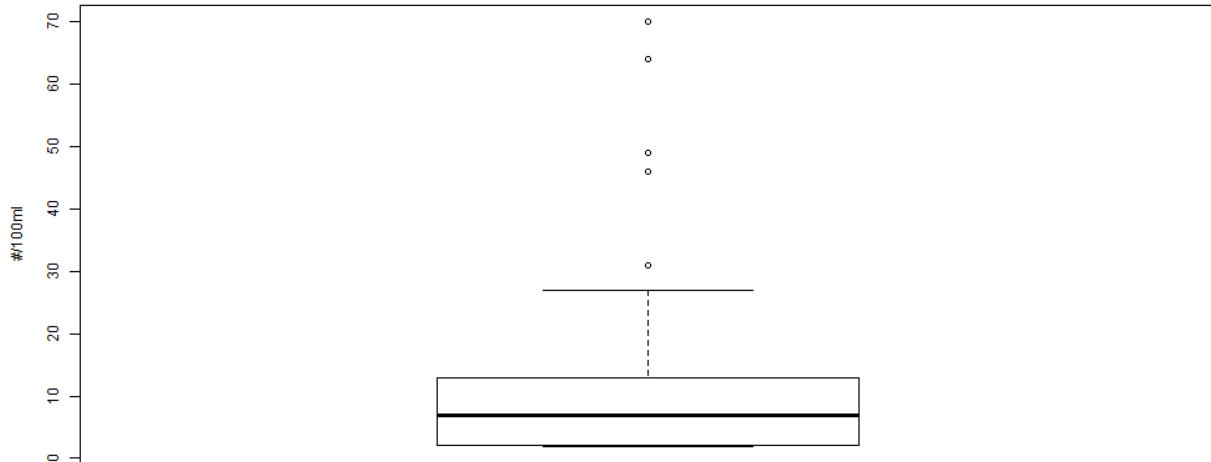




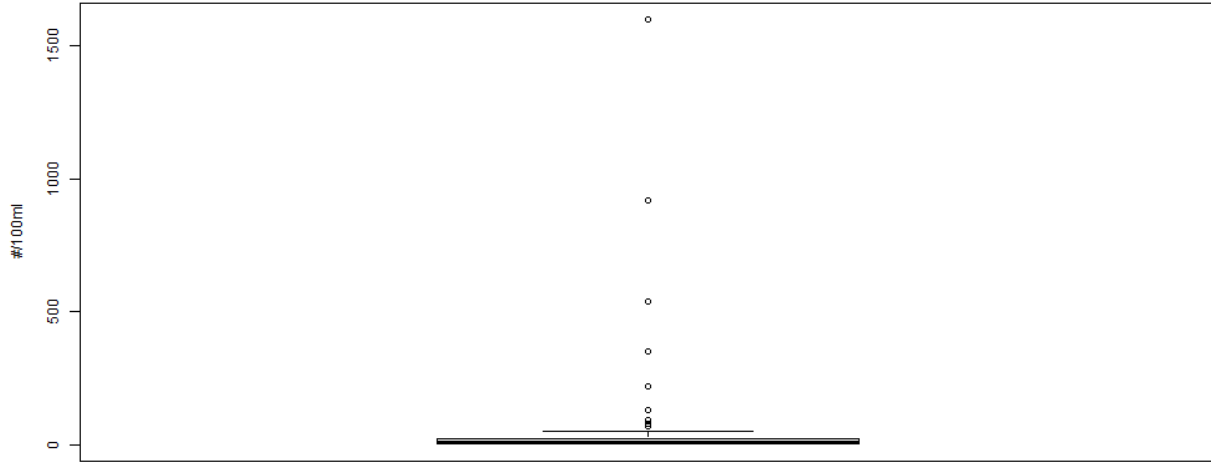
20-12



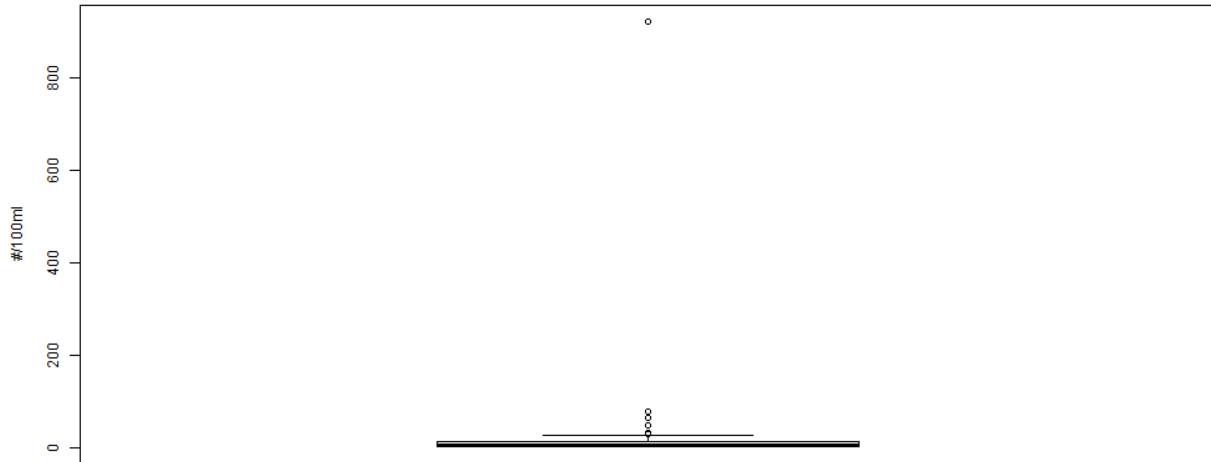
20-15A



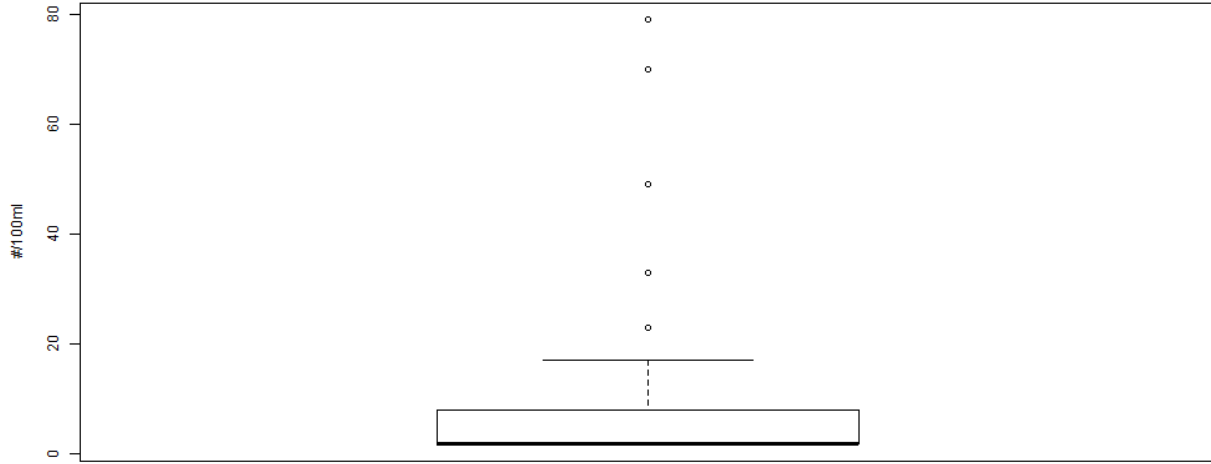
20-16



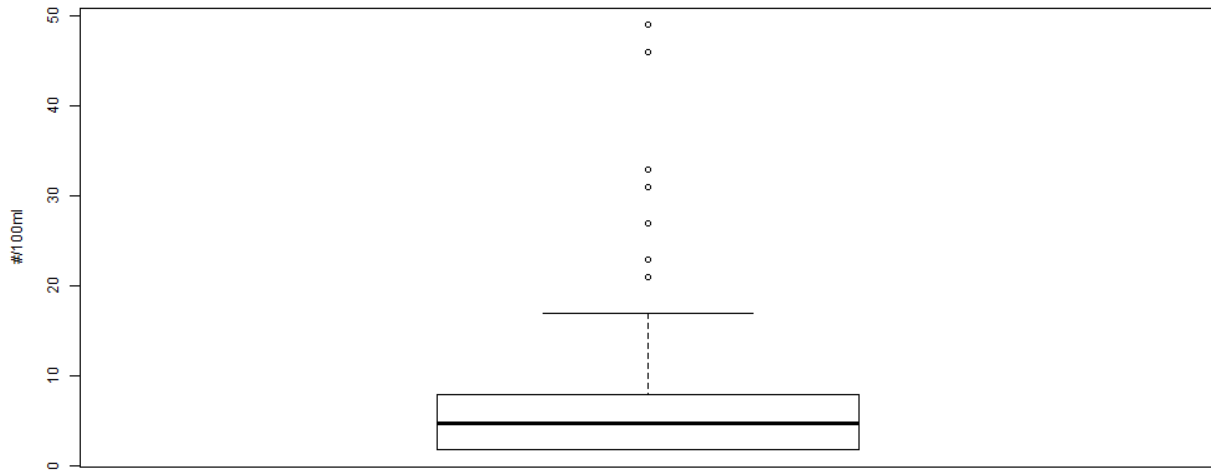
20-18



20-22

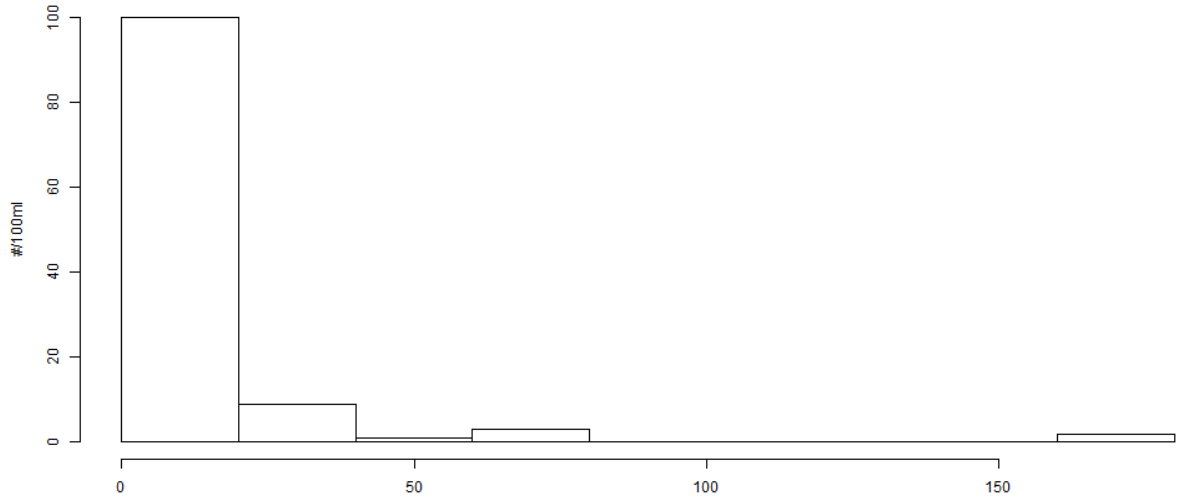


20-23

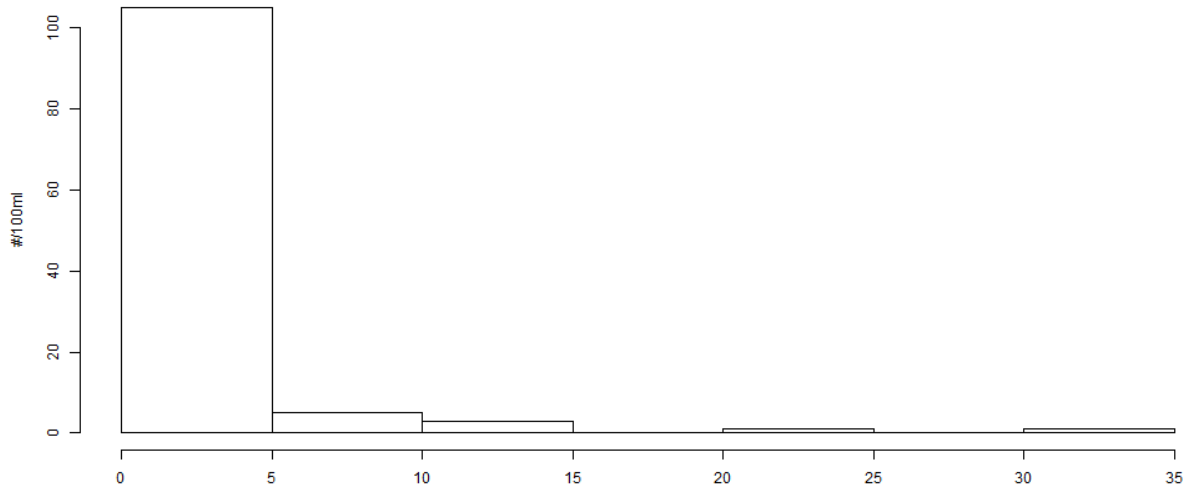


# Histograms

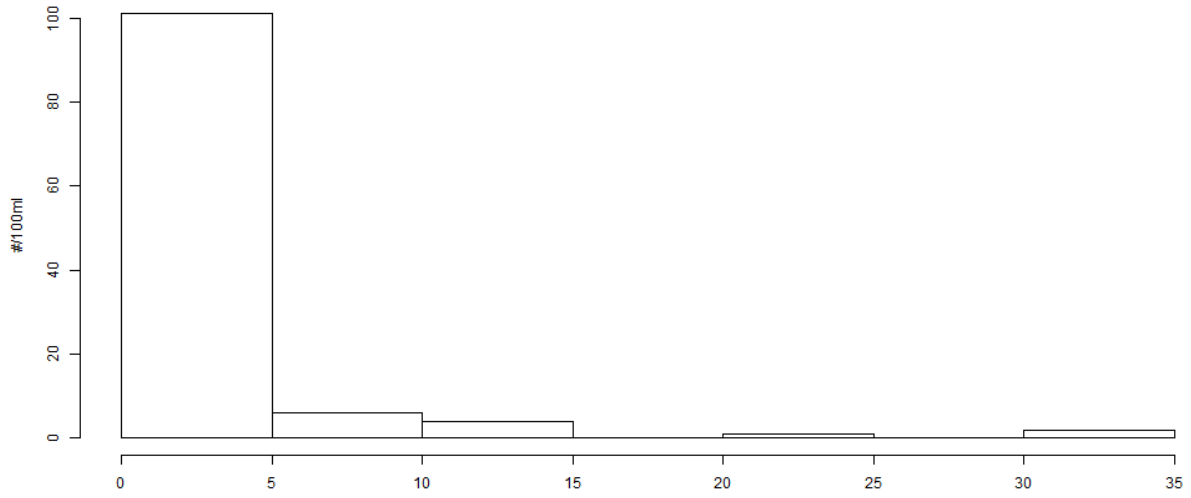
### 14-02



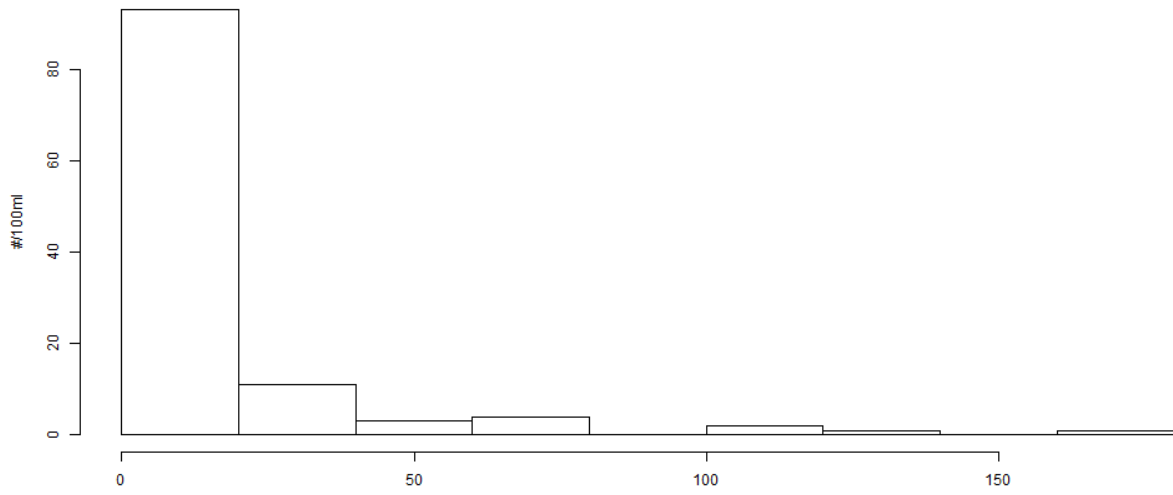
### 14-04



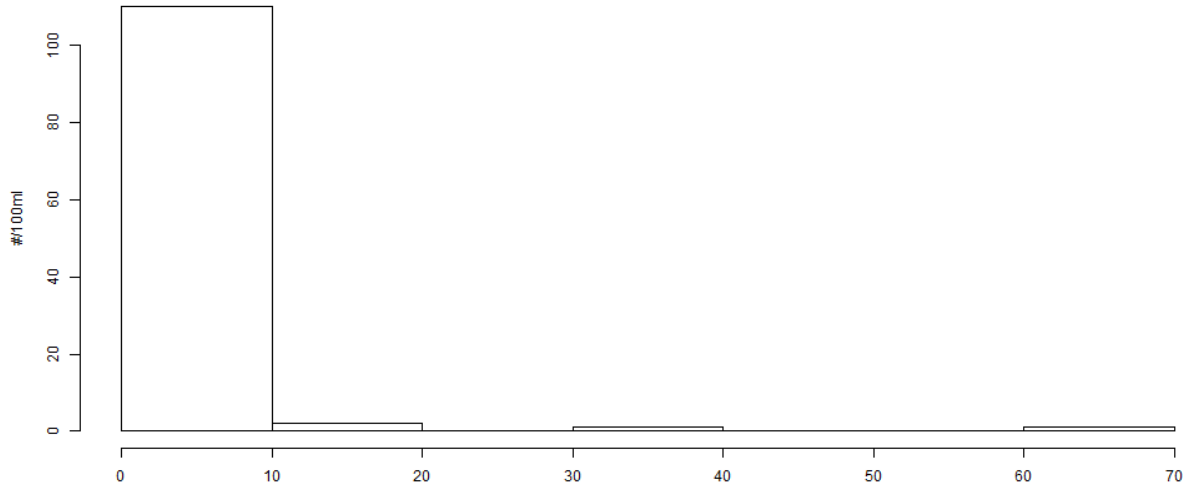
14-10



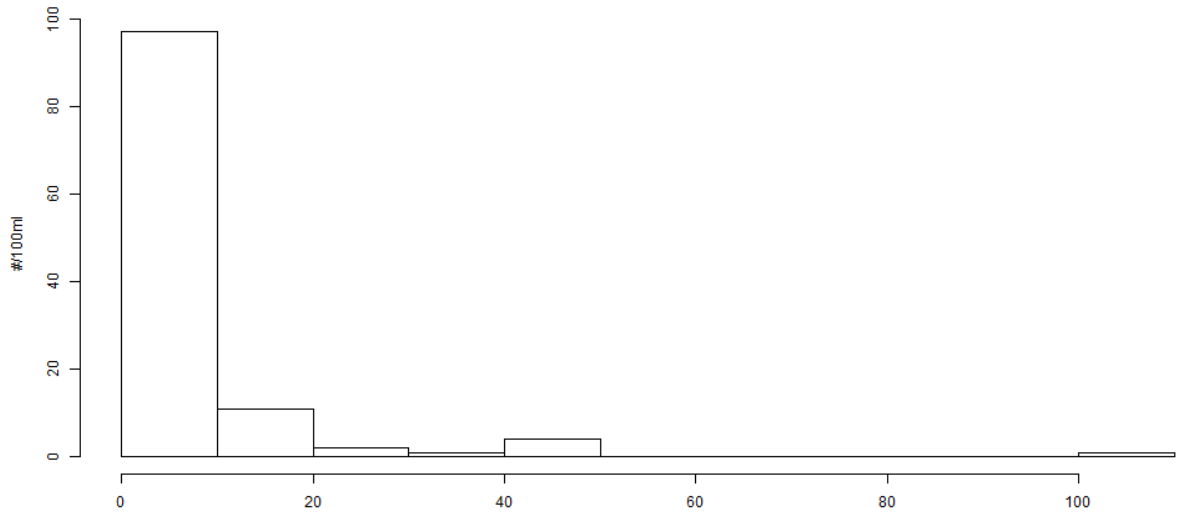
14-13



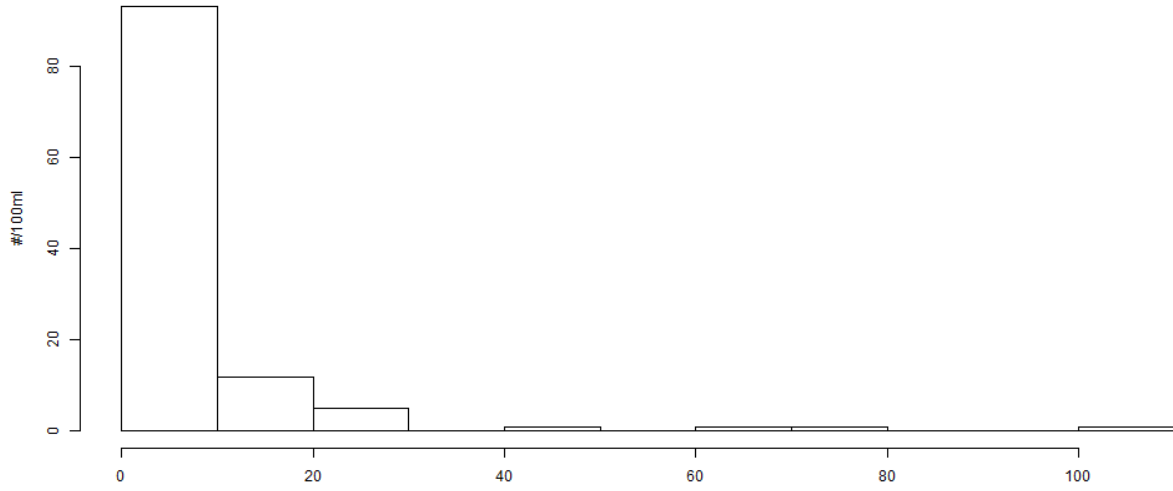
### 14-16A



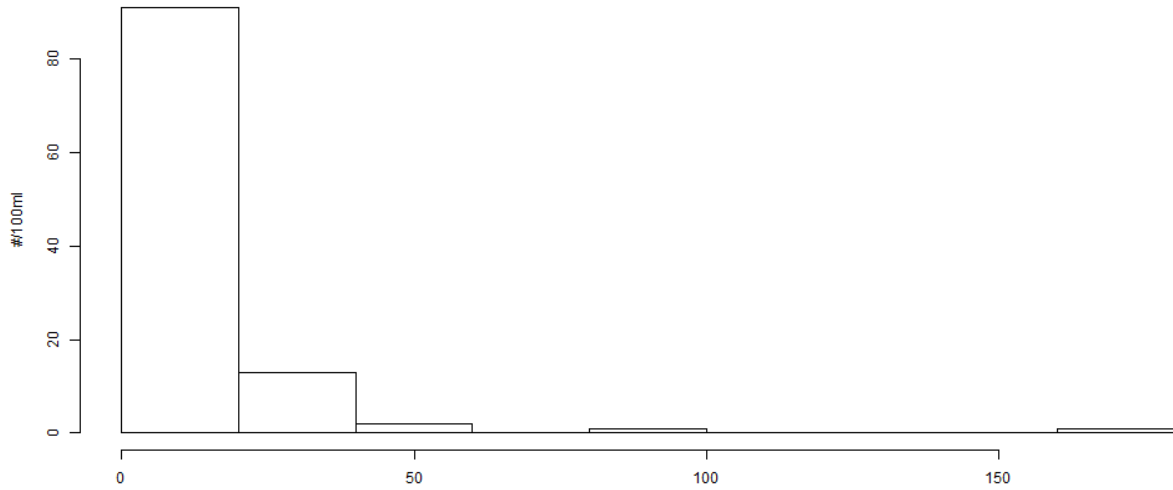
### 15-01



### 15-01A

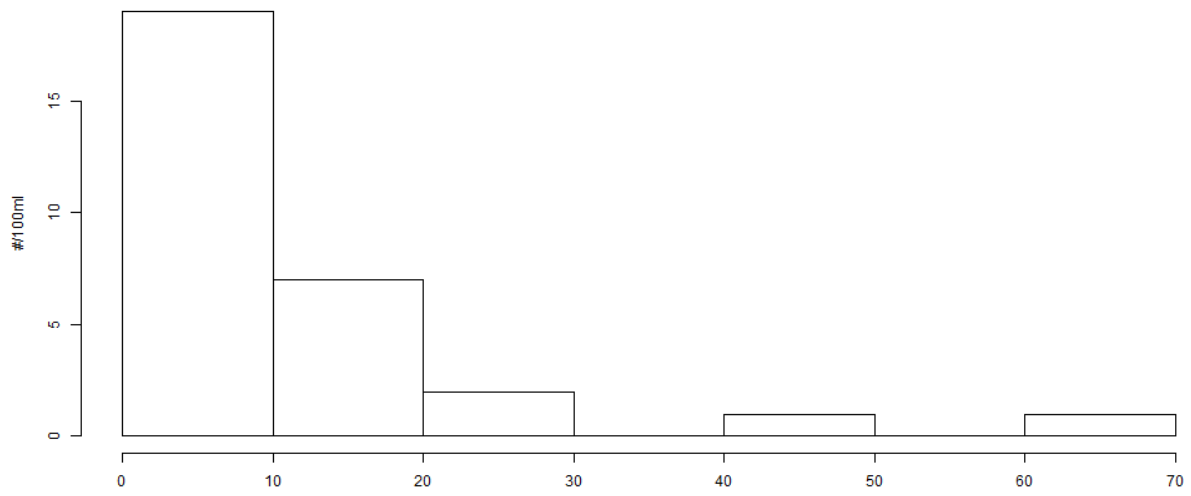


### 15-02

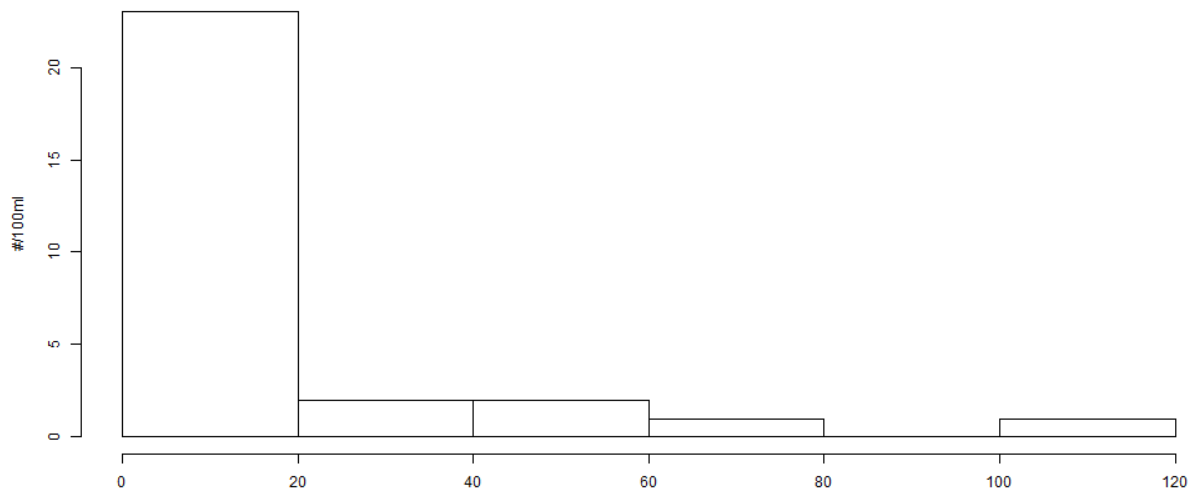




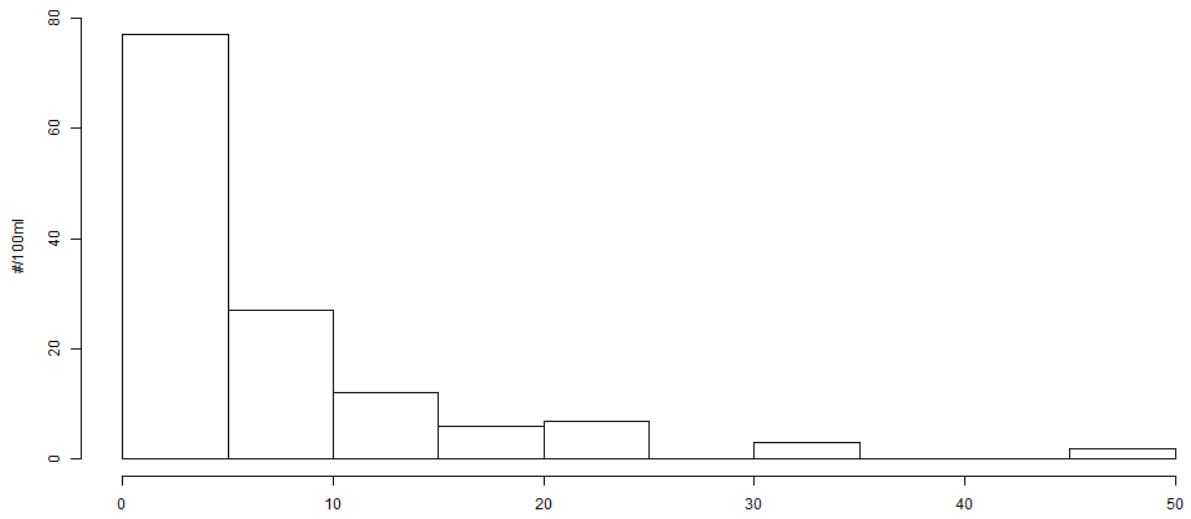
### 15-03



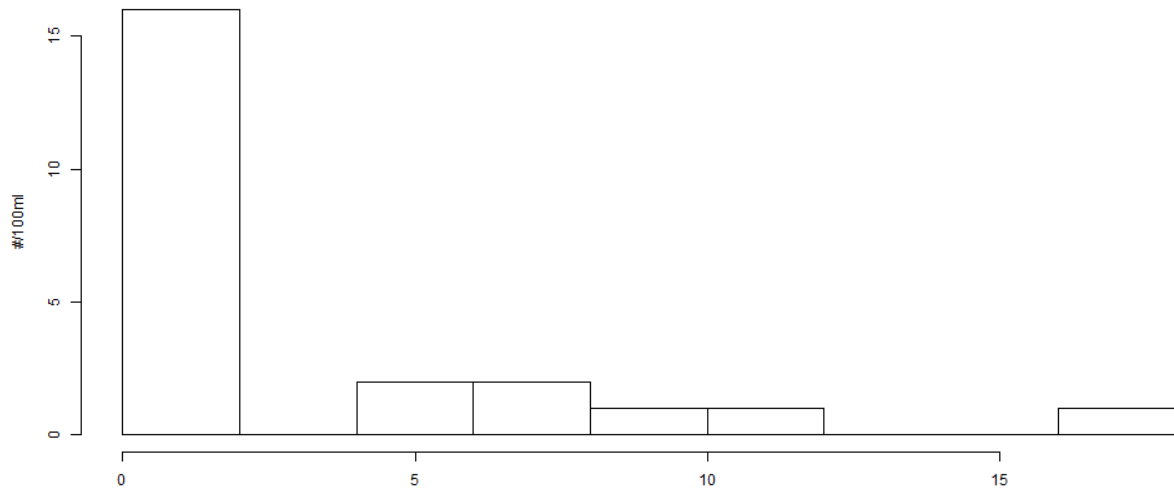
### 15-04



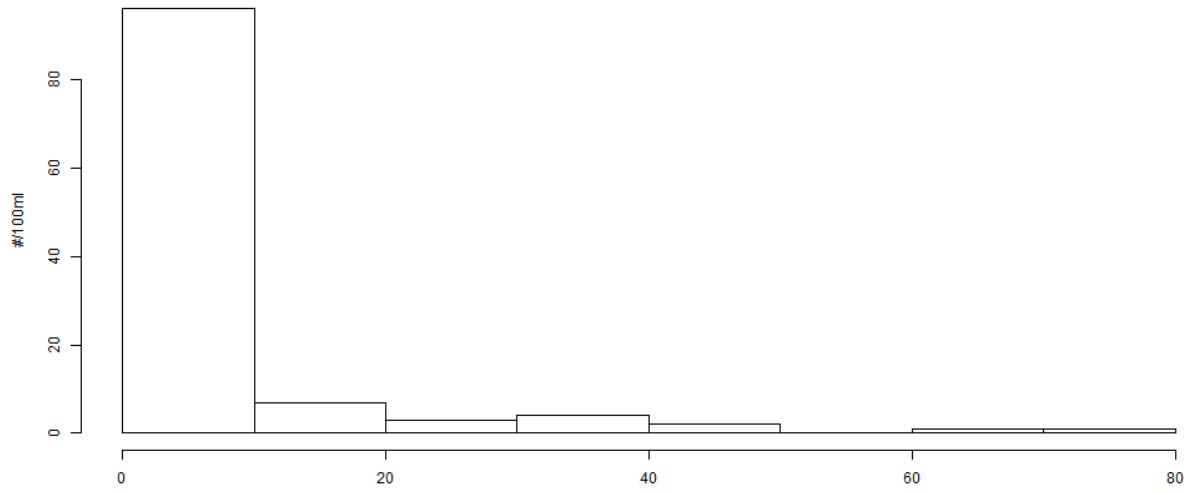
### 15-10



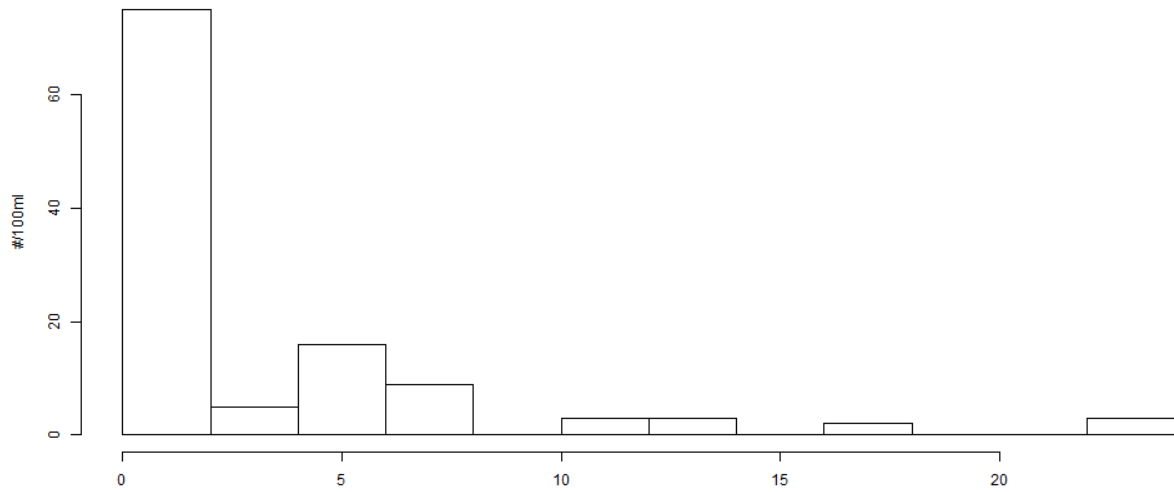
### 15-14



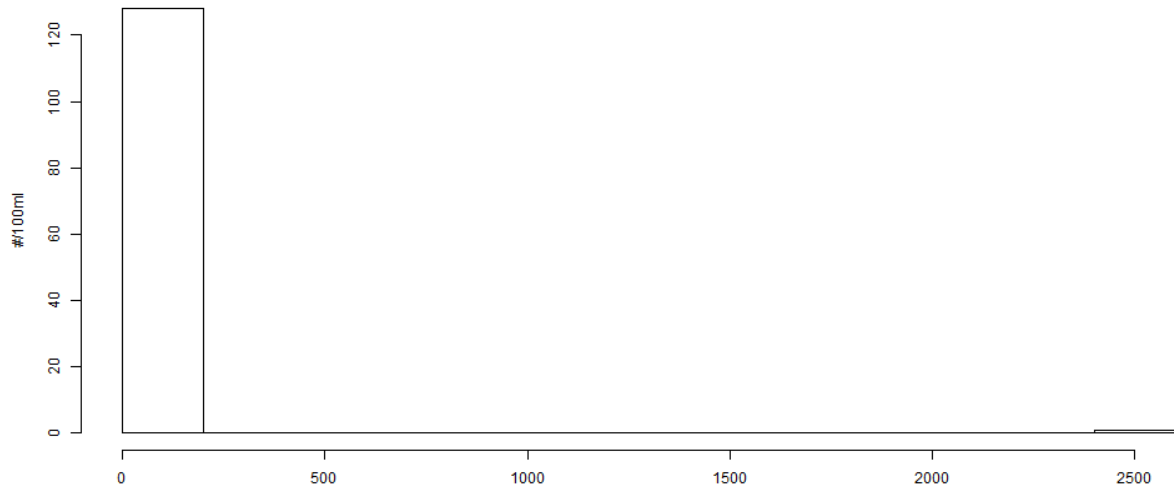
### 15-15



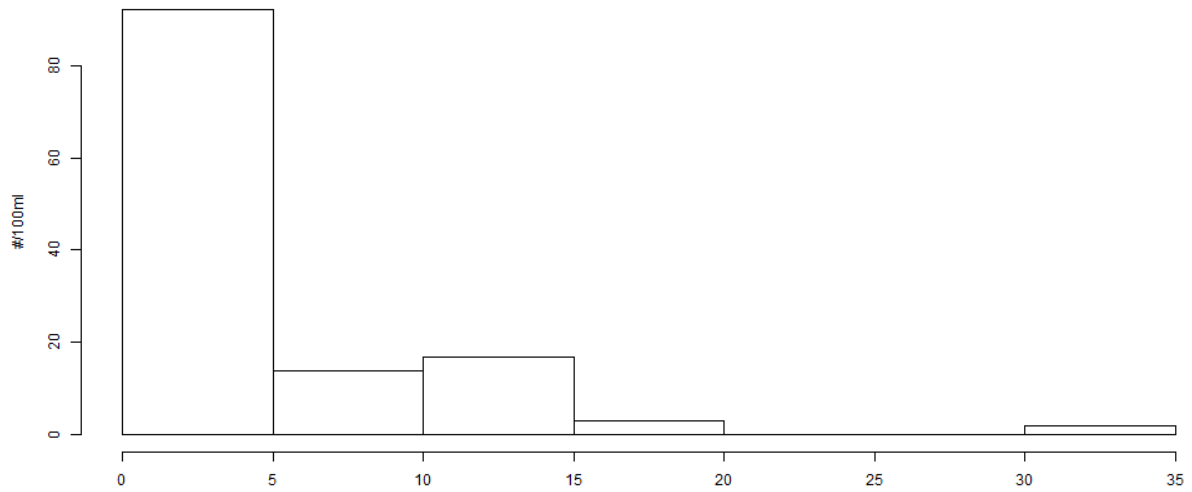
### 15-17



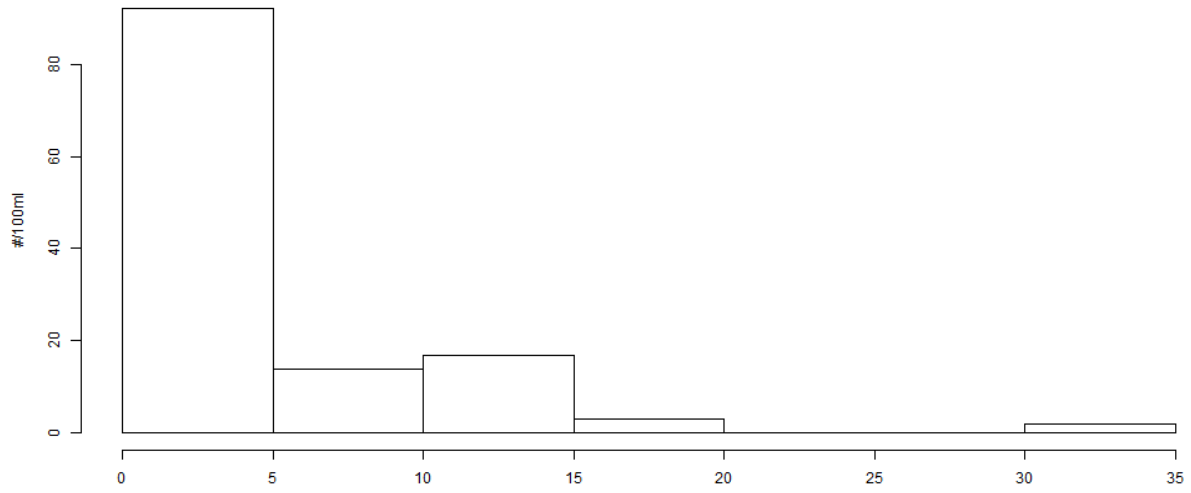
### 15-18



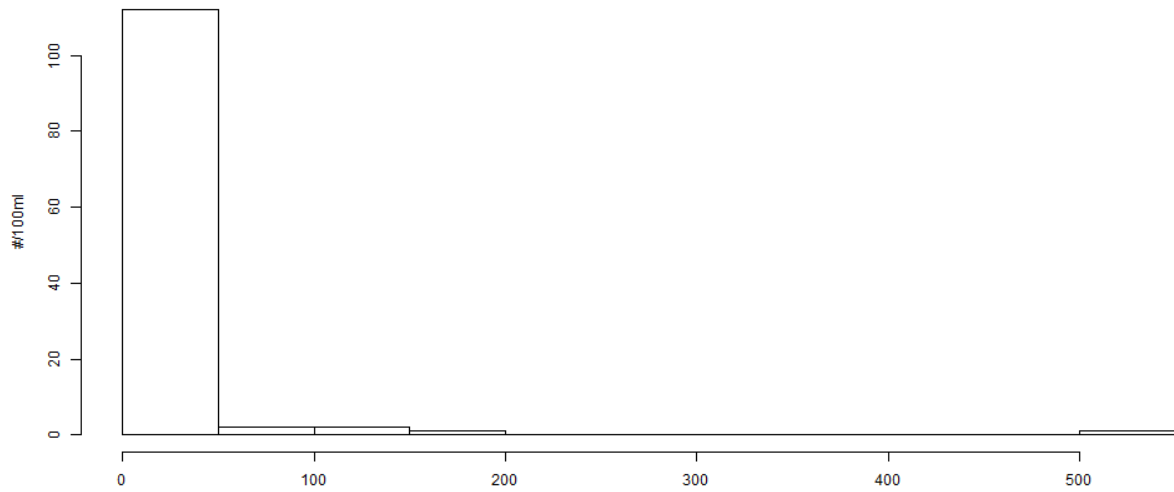
### 15-18\_edit



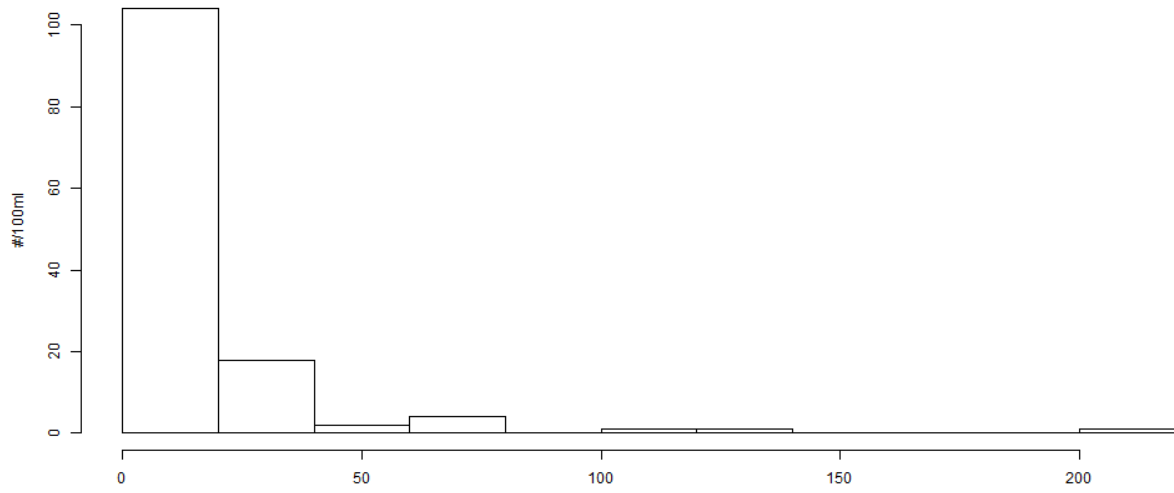
### 15-18edit



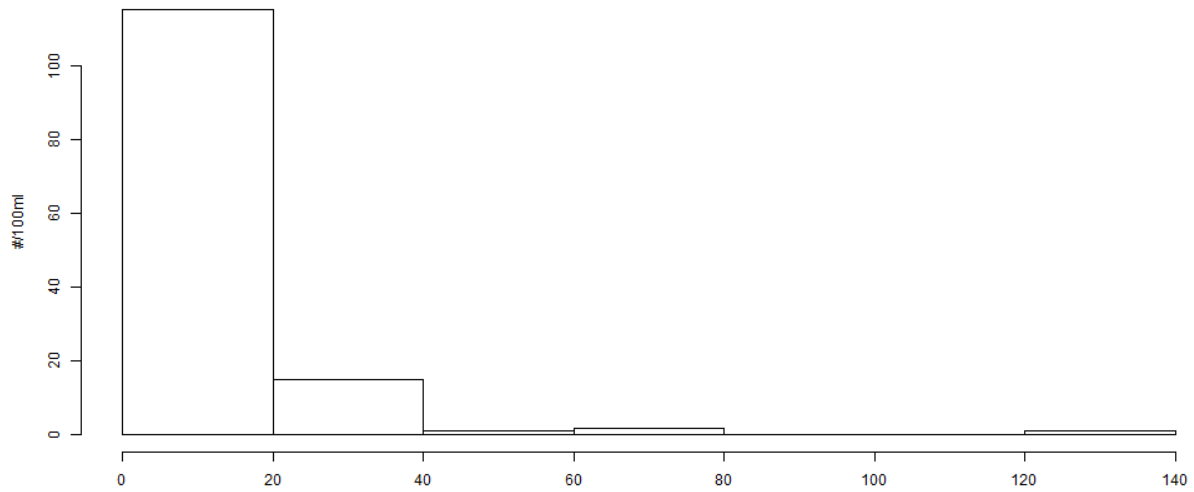
### 15-19



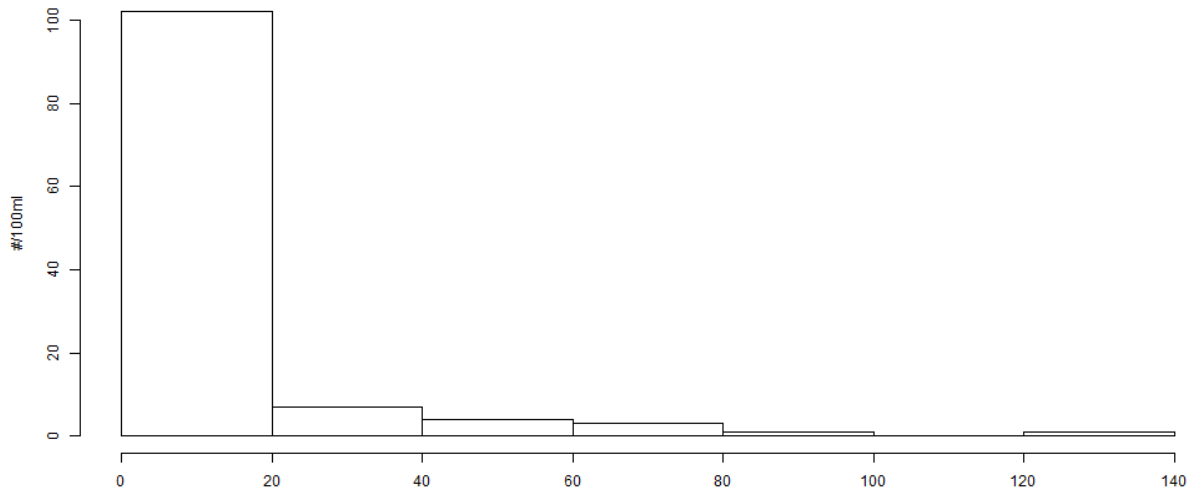
### 15-20



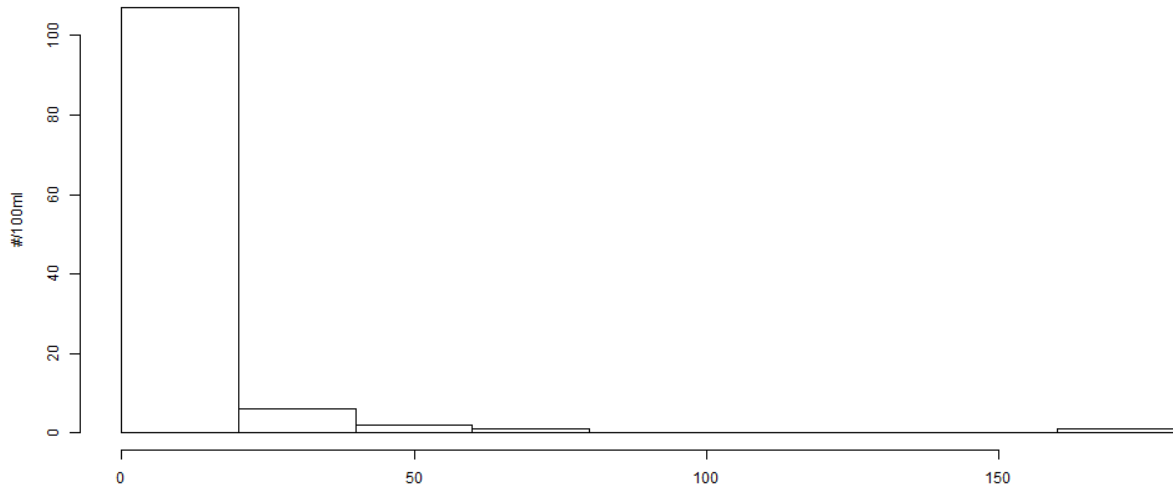
### 15-21



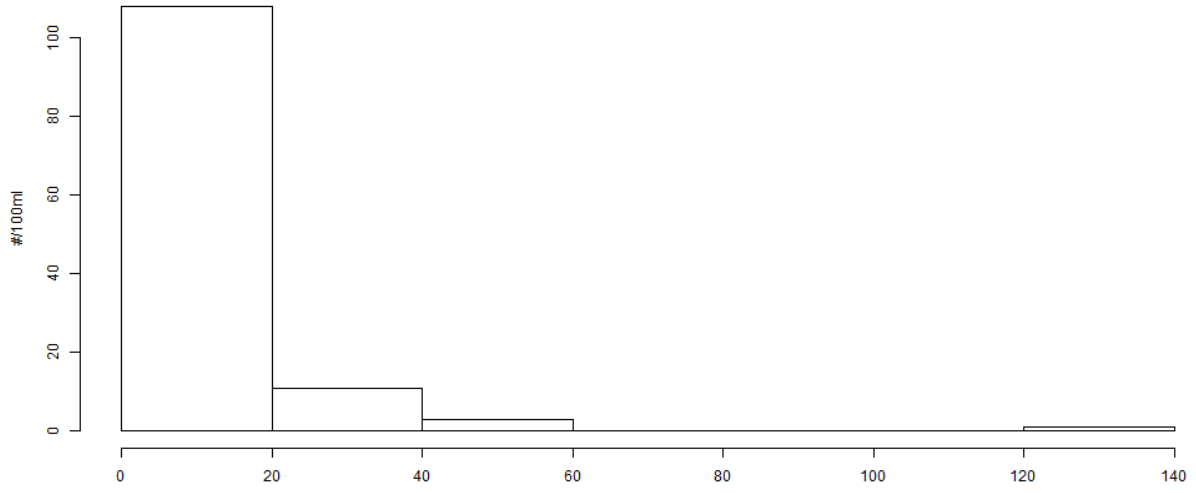
15-23



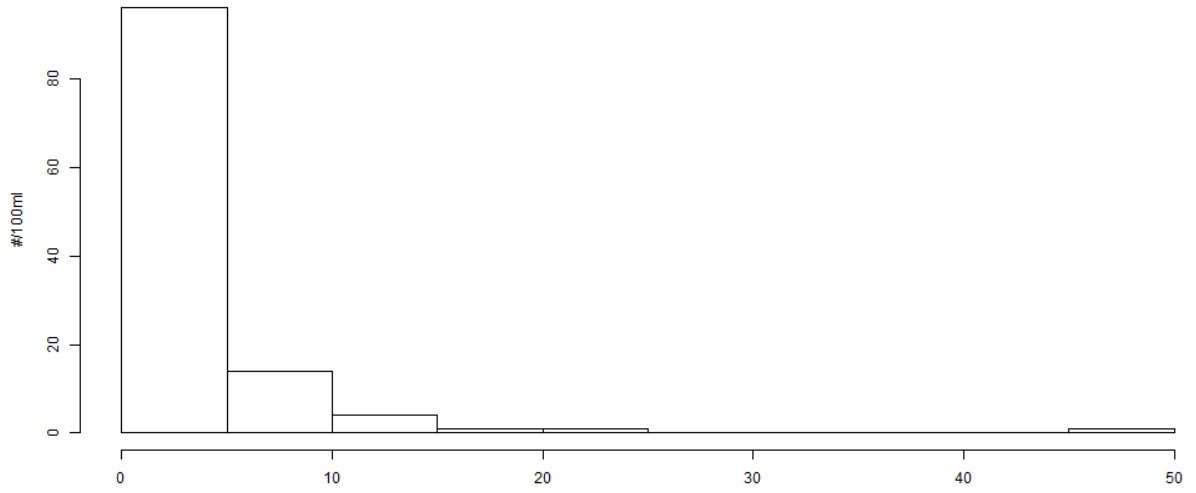
16A-08



### 16A-09

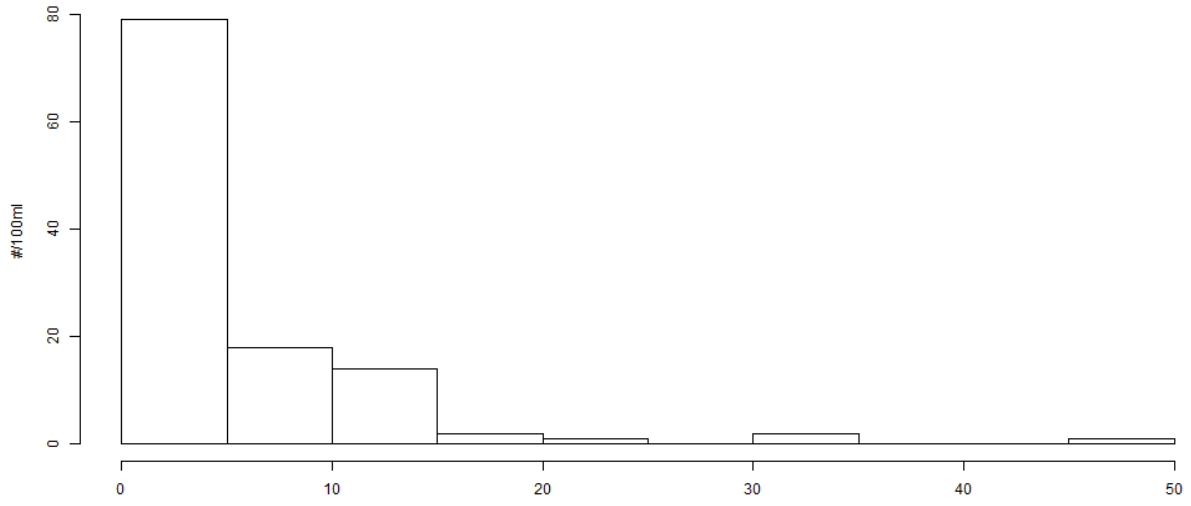


### 16A-10

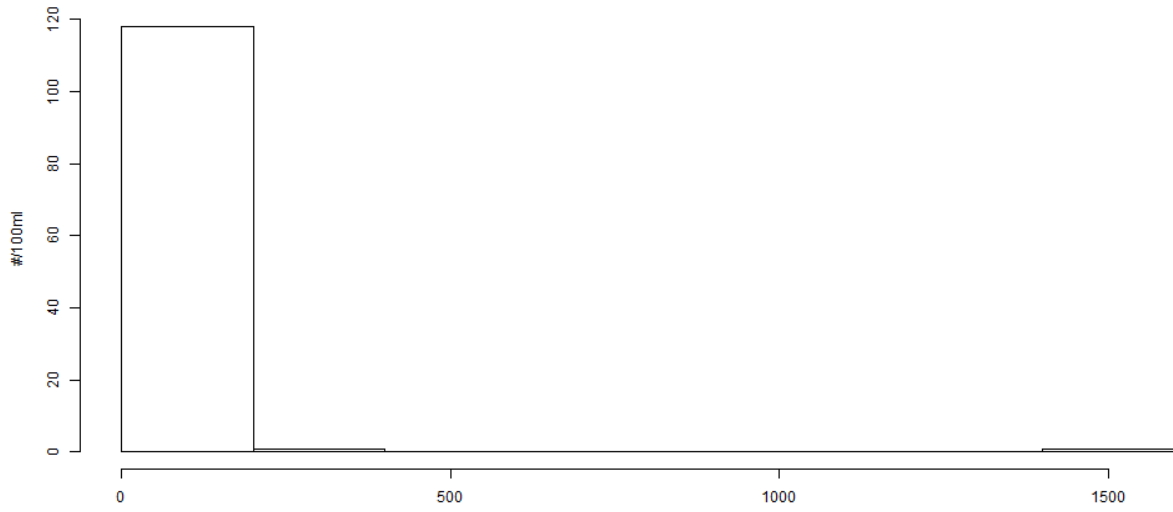




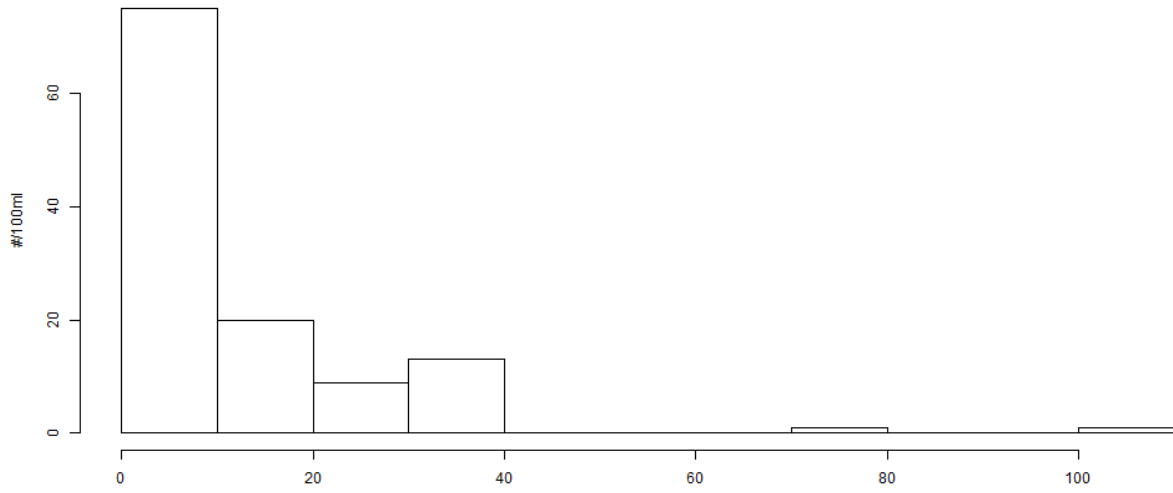
### 16A-11



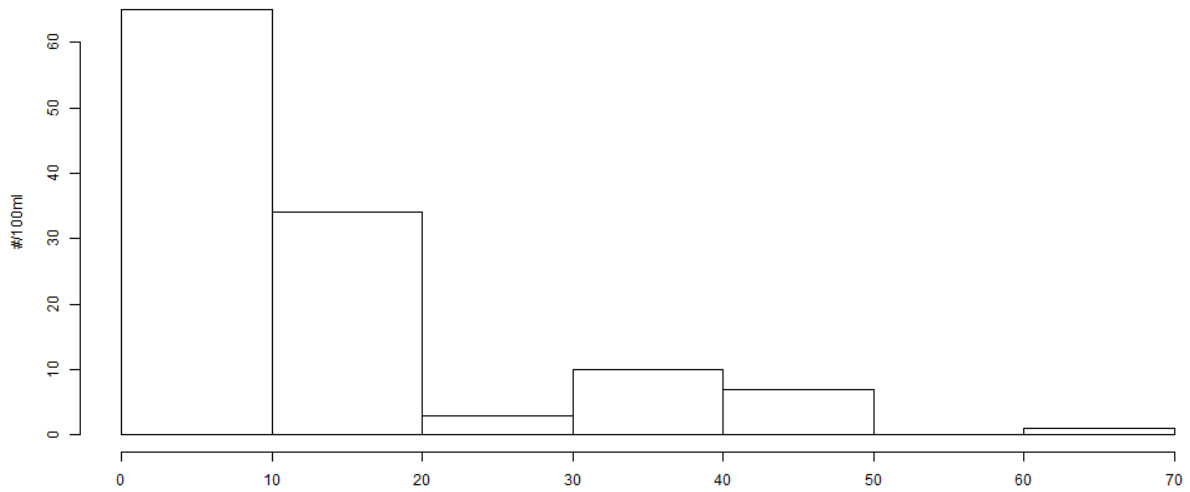
### 16A-13



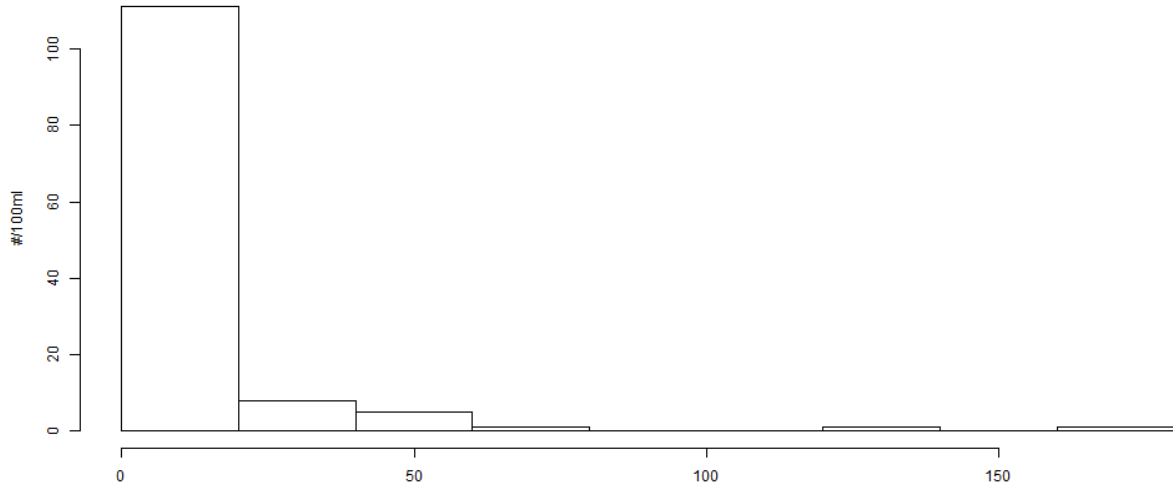
### 16A-13A



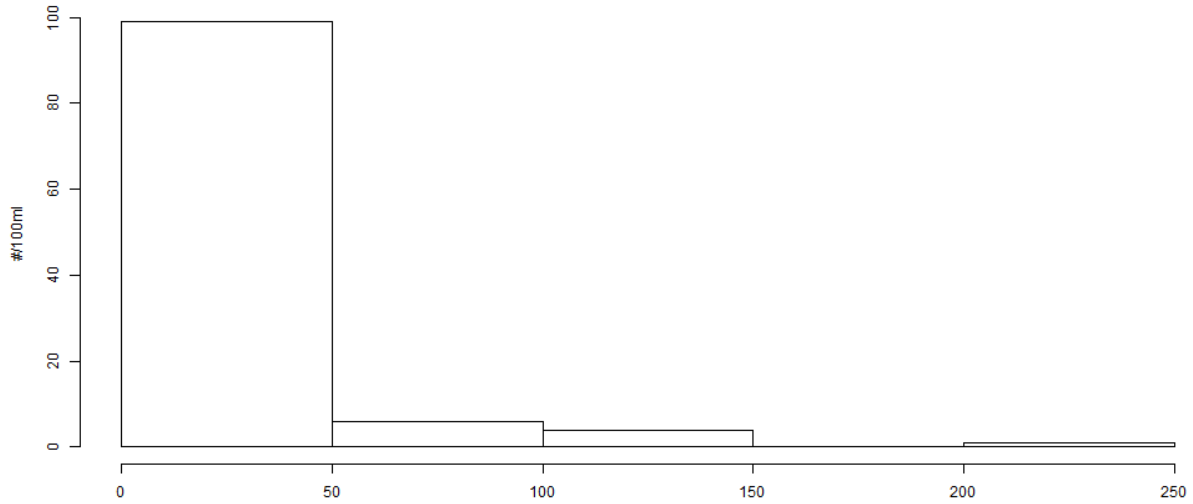
### 16A-13B



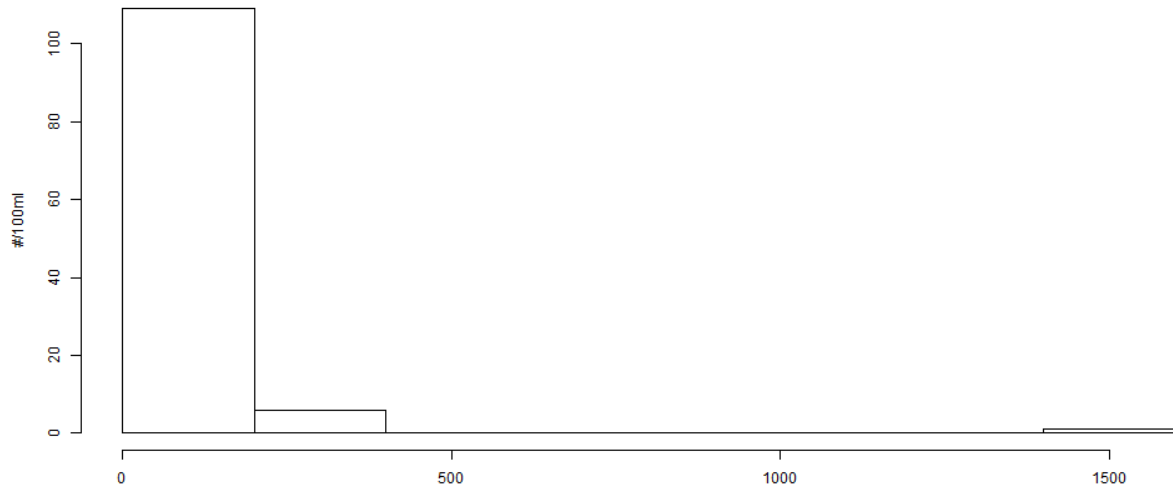
### 16A-14



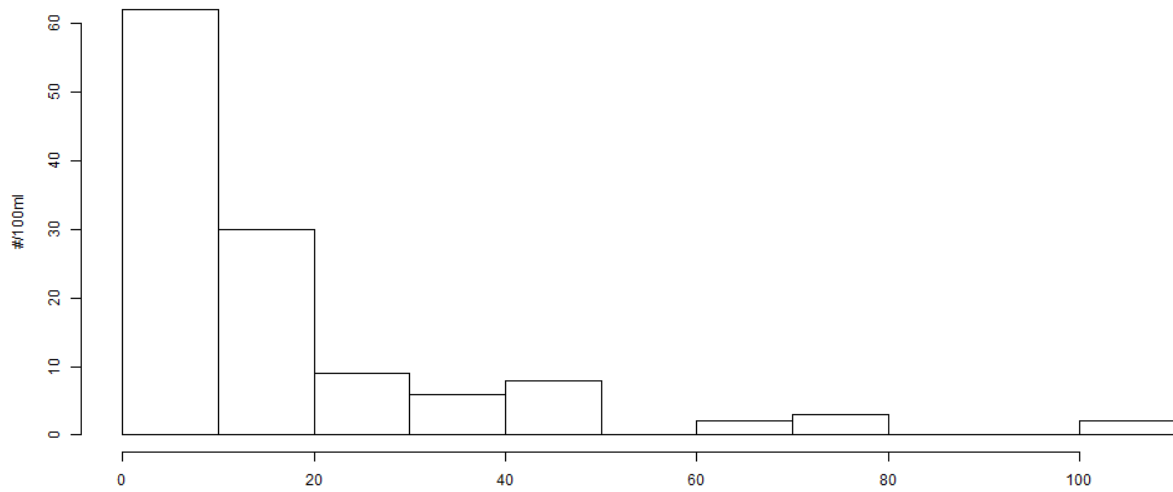
### 16A-18



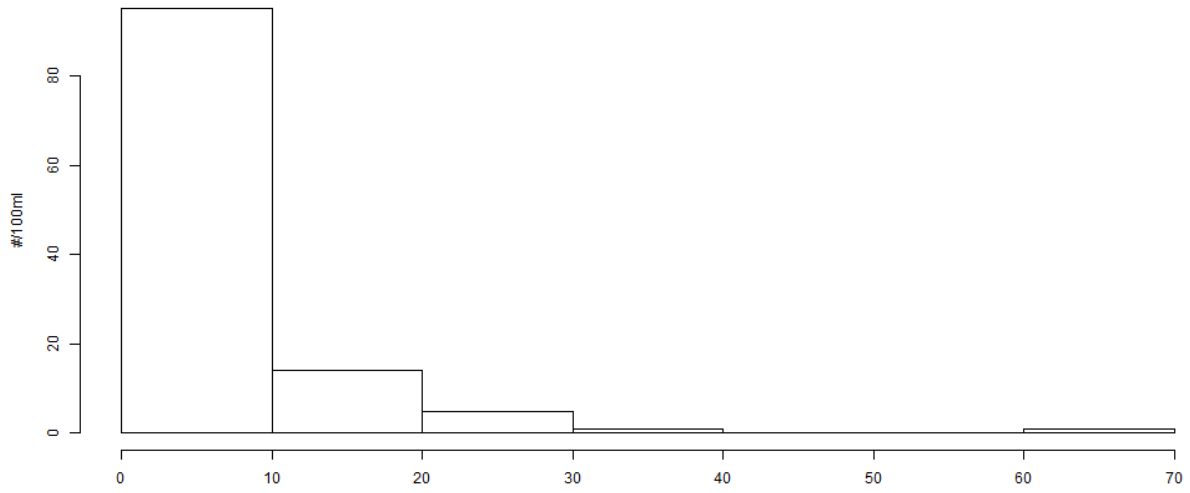
### 16A-19



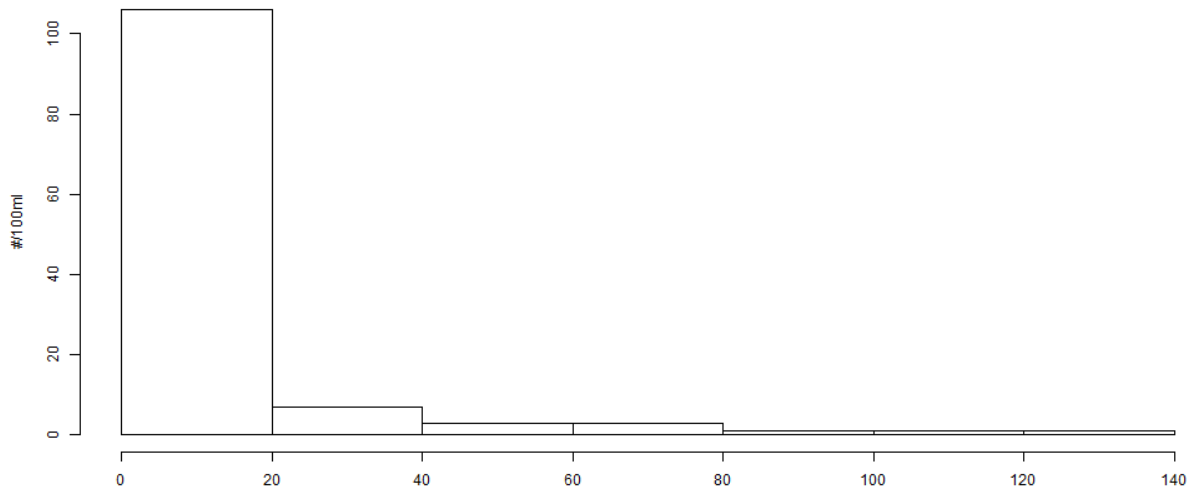
### 16A-23



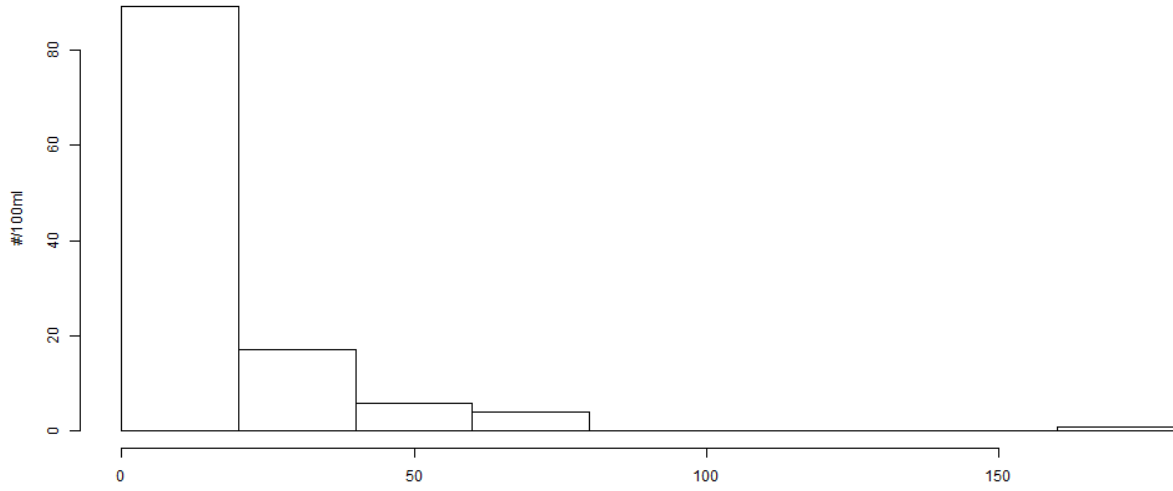
### 16A-24



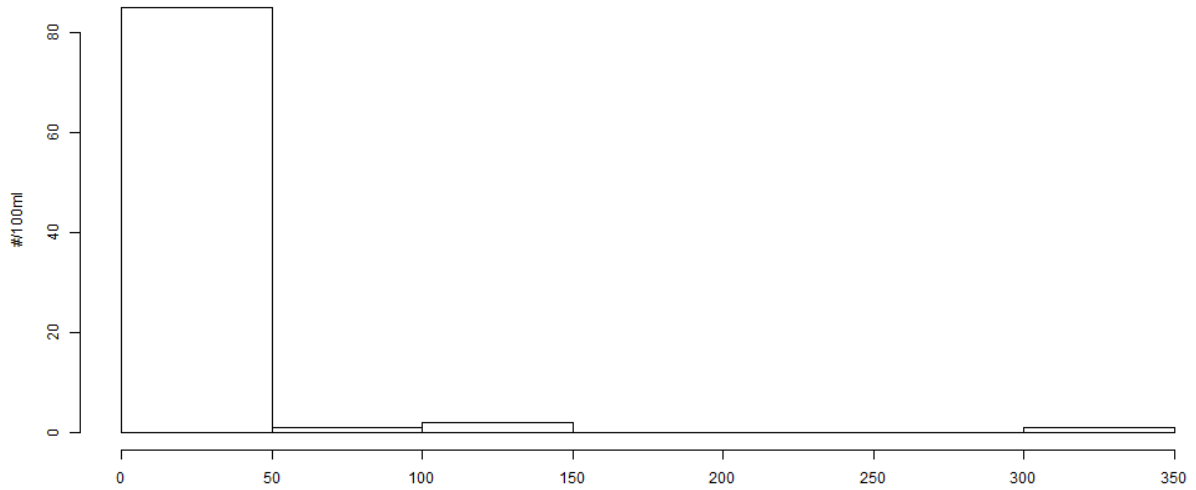
### 16A-25



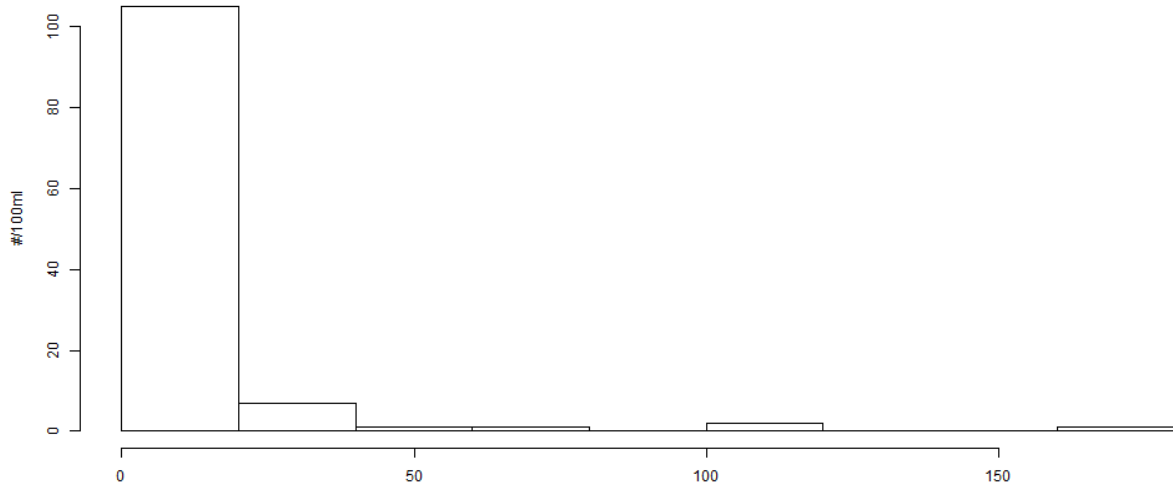
### 16A-27



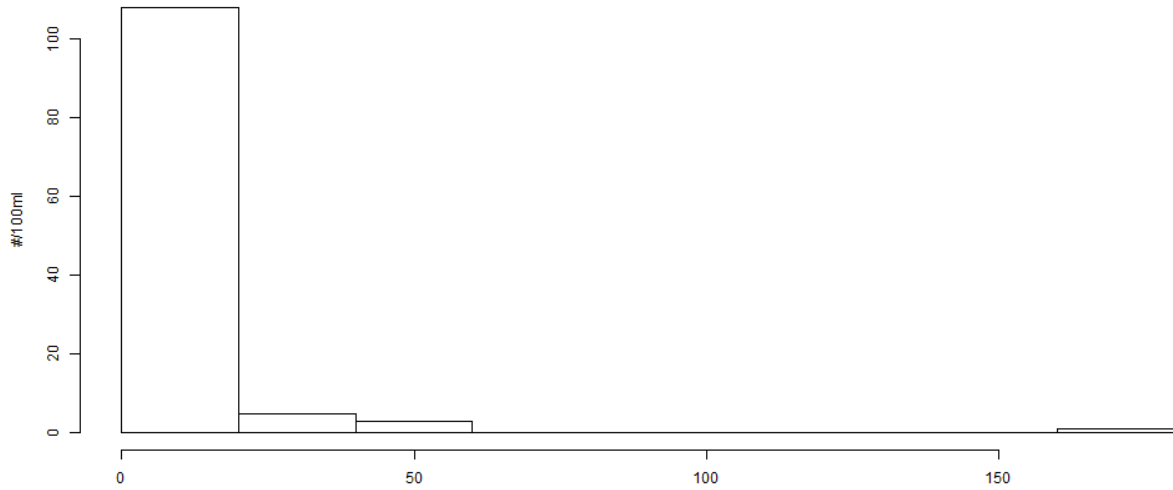
### 16A-30



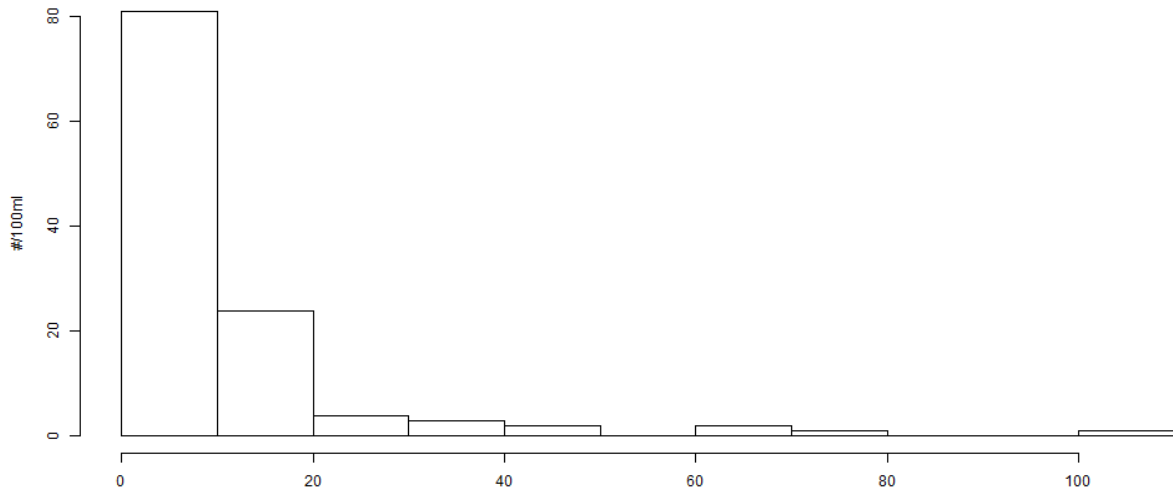
### 18-01



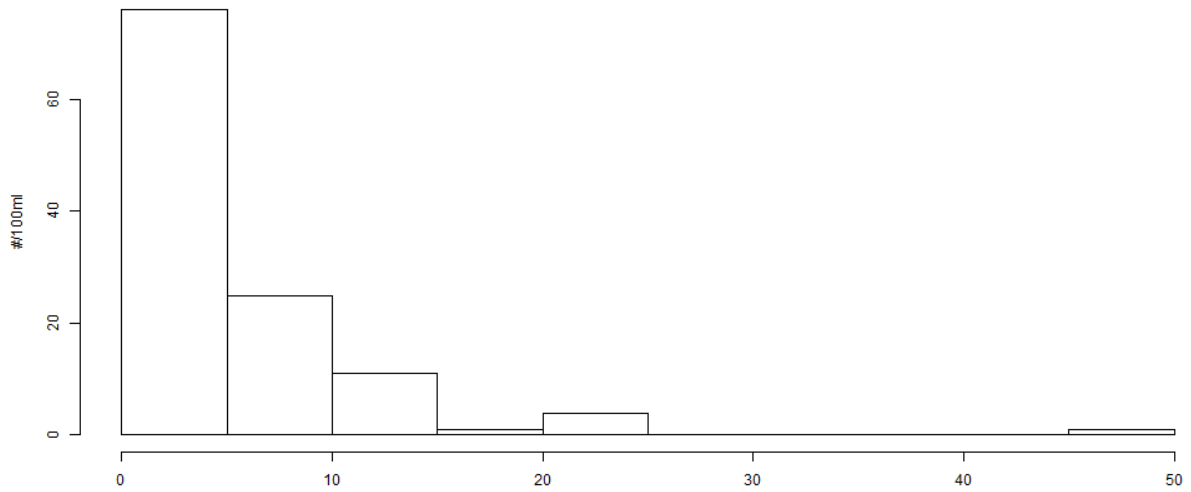
### 18-02



### 18-03

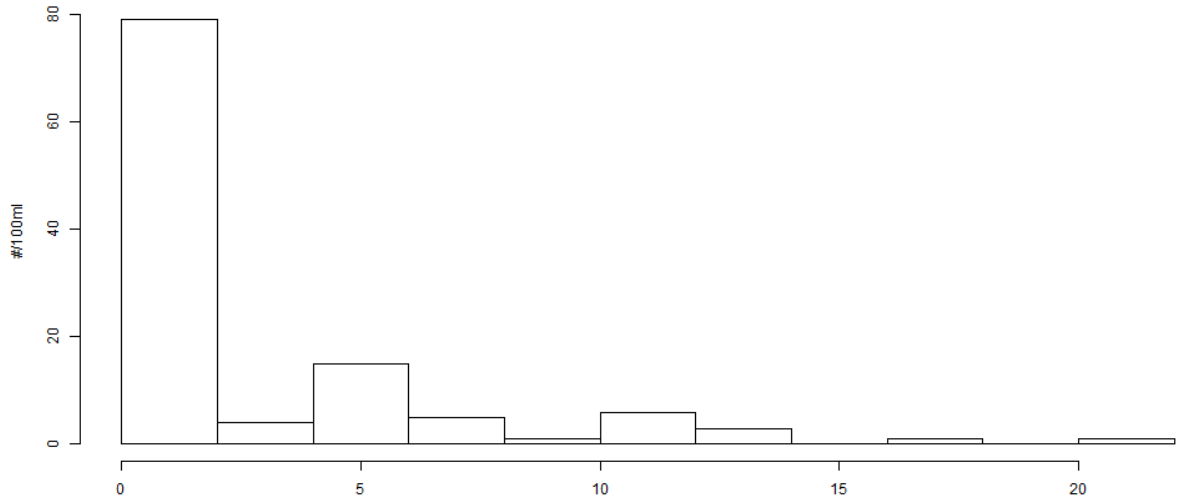


### 18-04

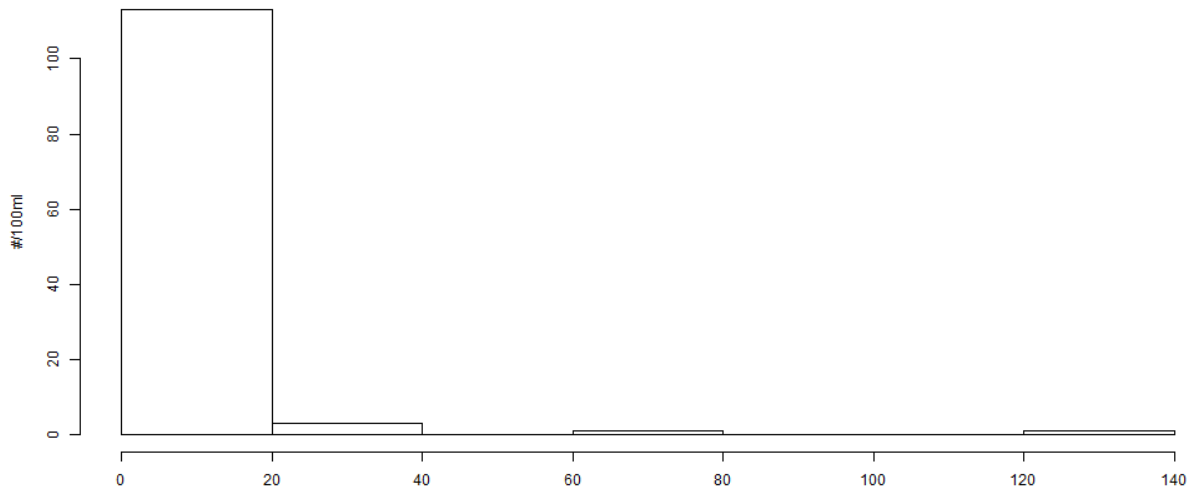




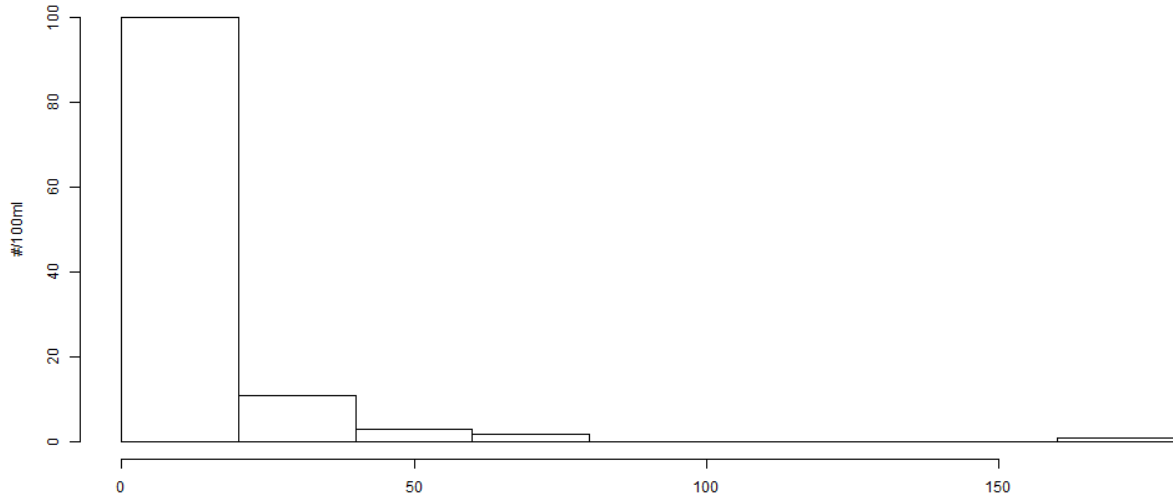
### 18-05



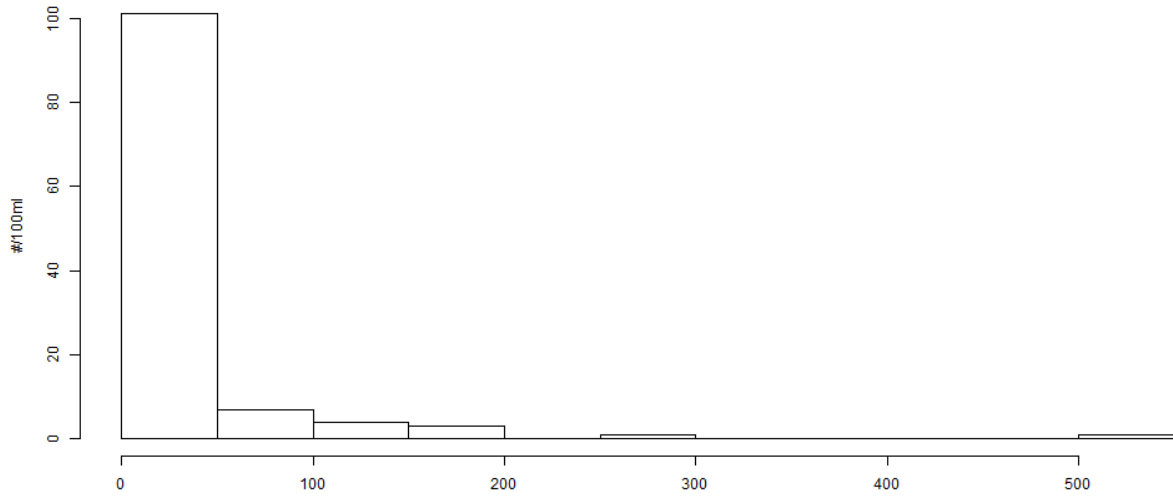
### 18-06



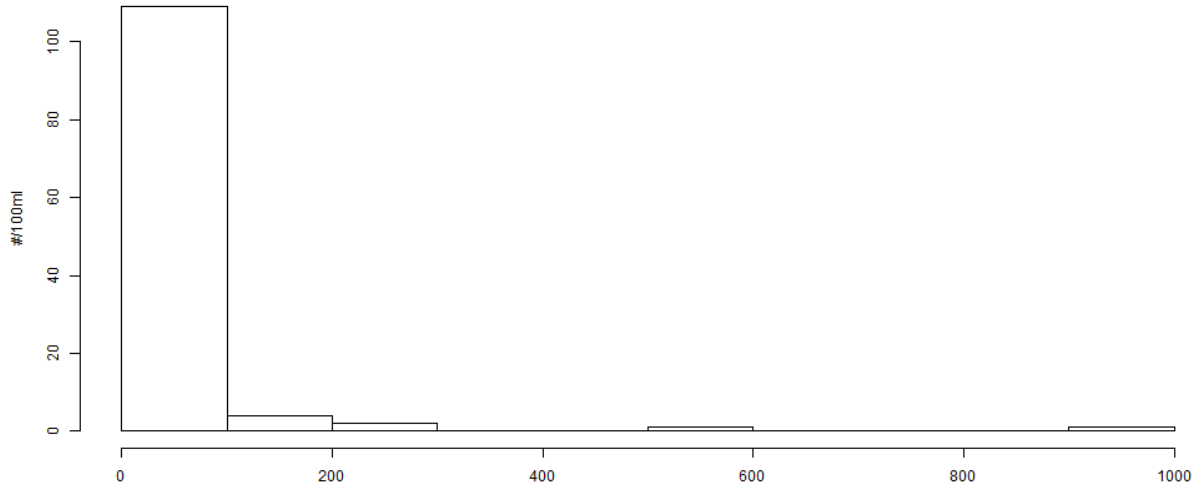
18-07



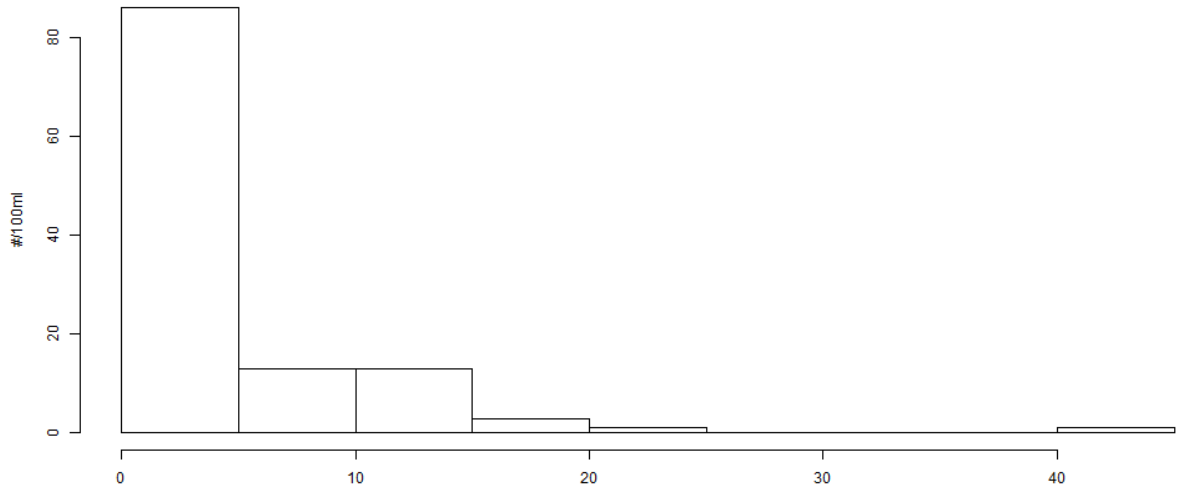
18-08



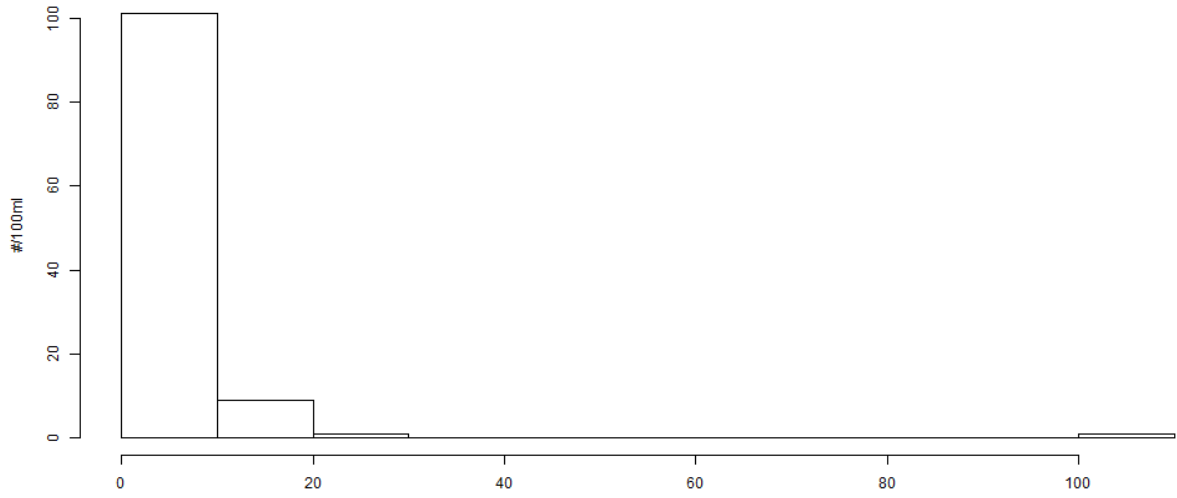
18-09



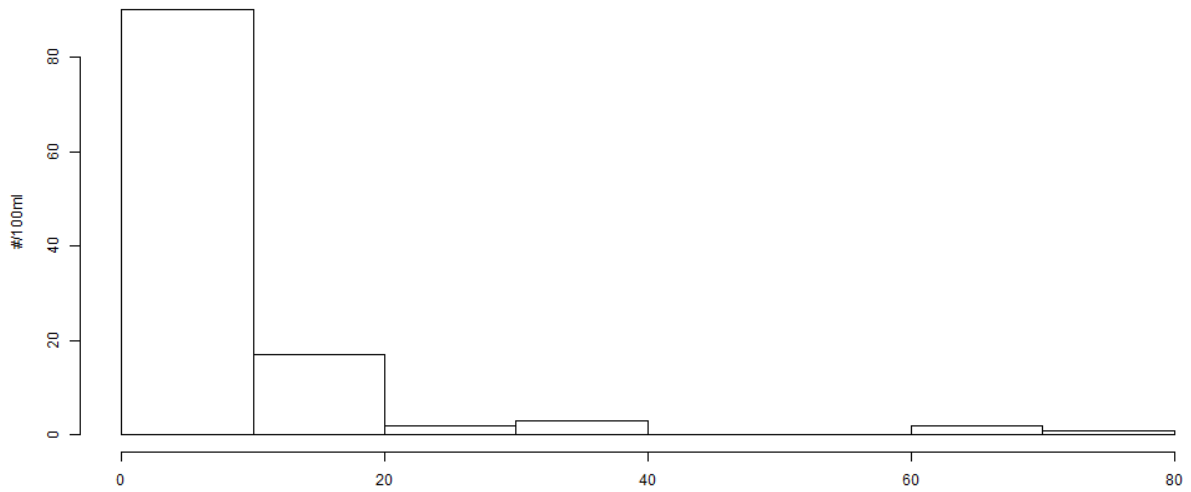
18-15



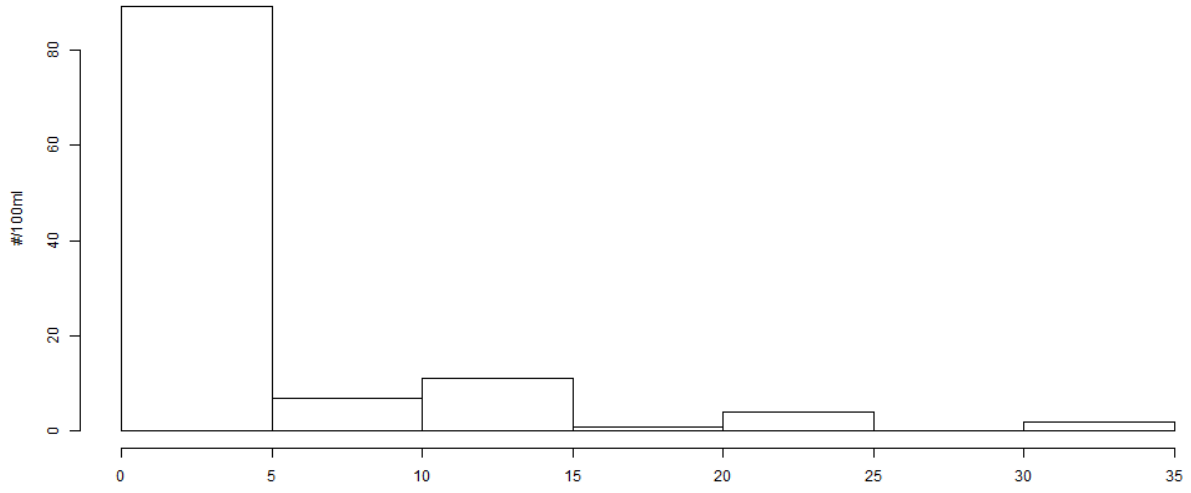
### 19-01



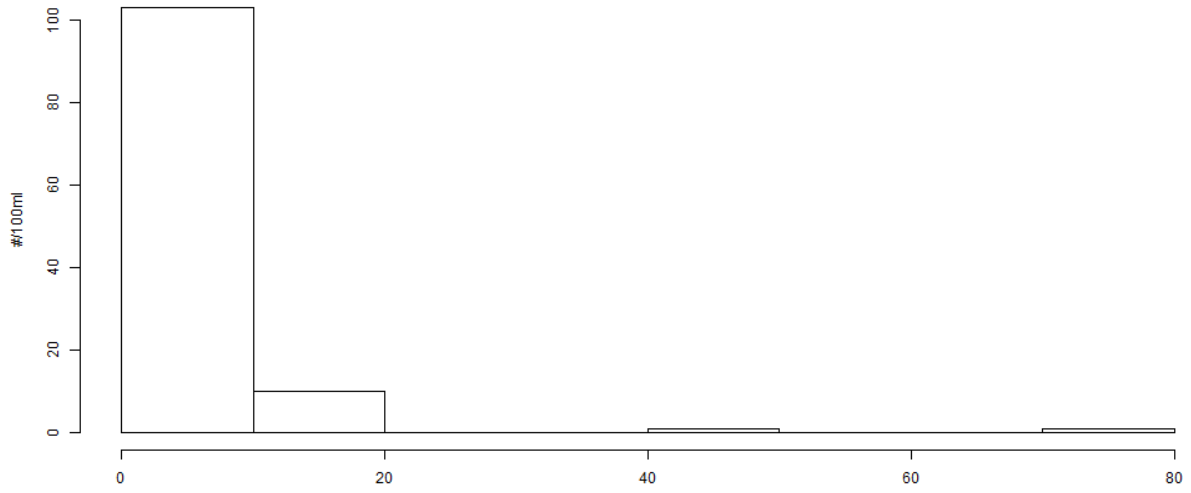
### 19-02



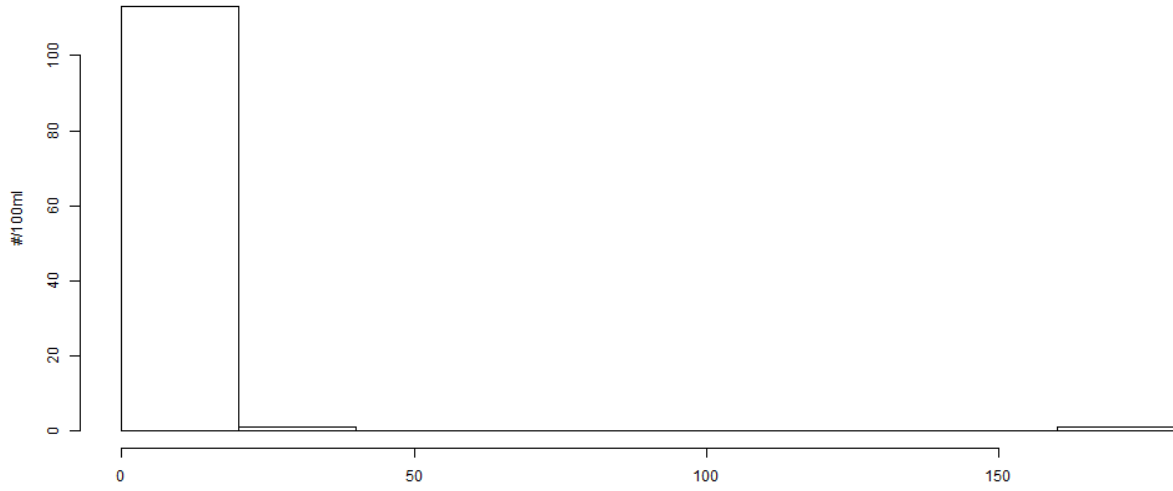
**19-03**



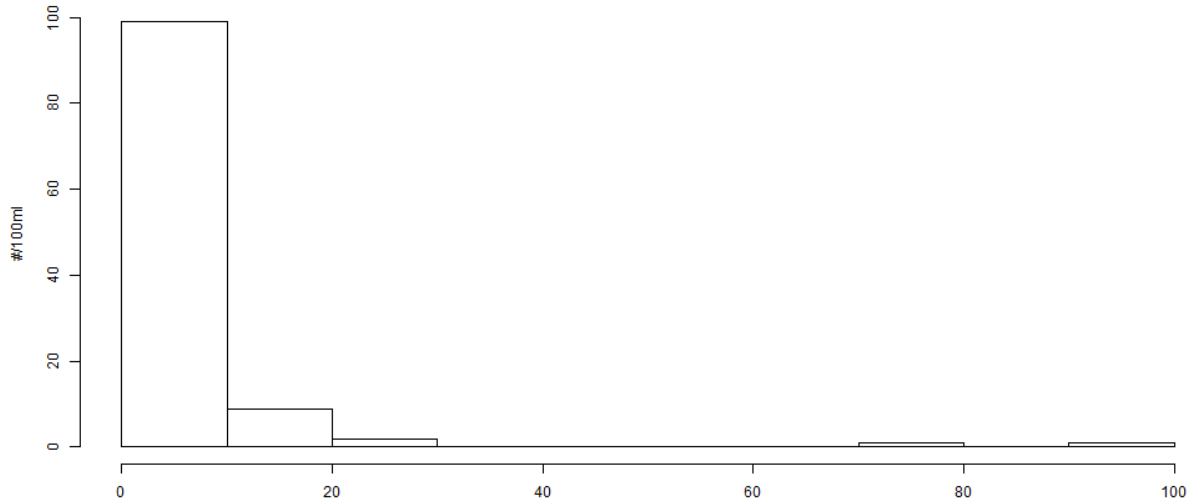
**19-09**



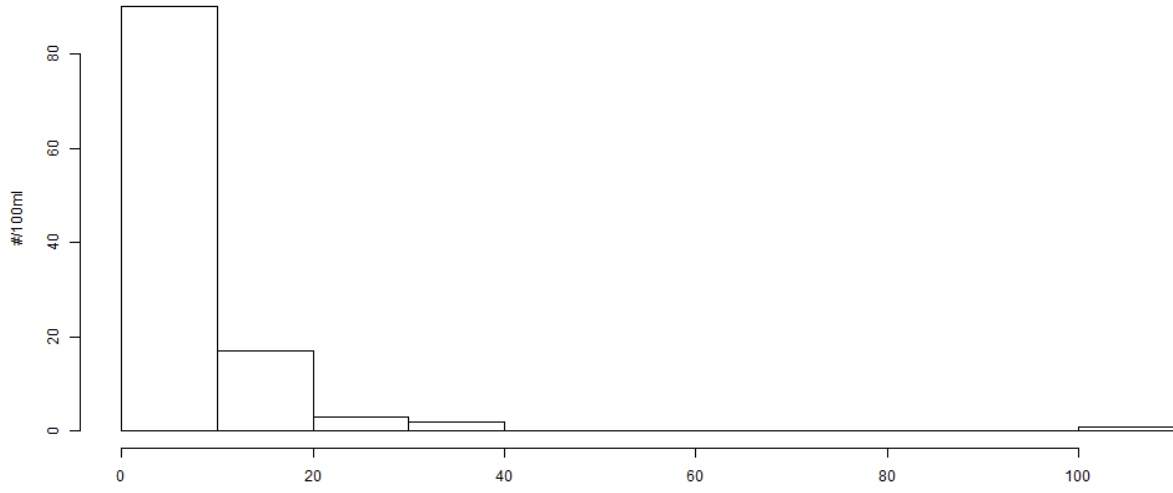
### 19-11



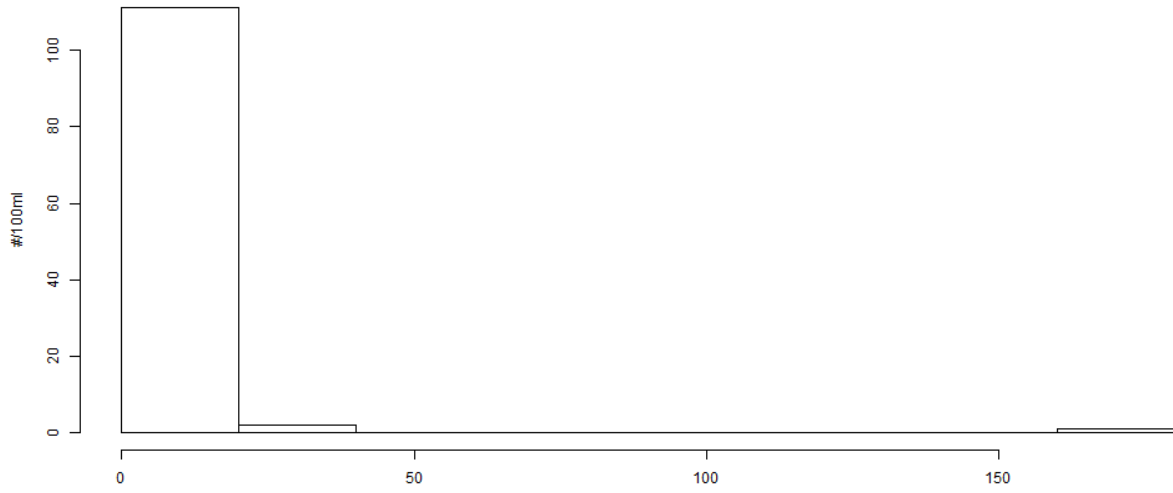
### 19-12



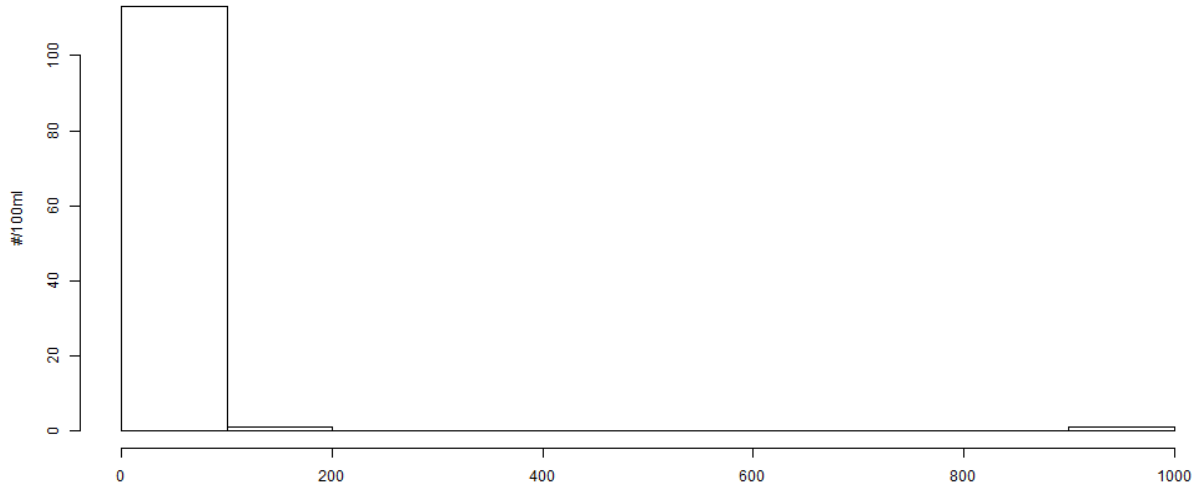
19-16



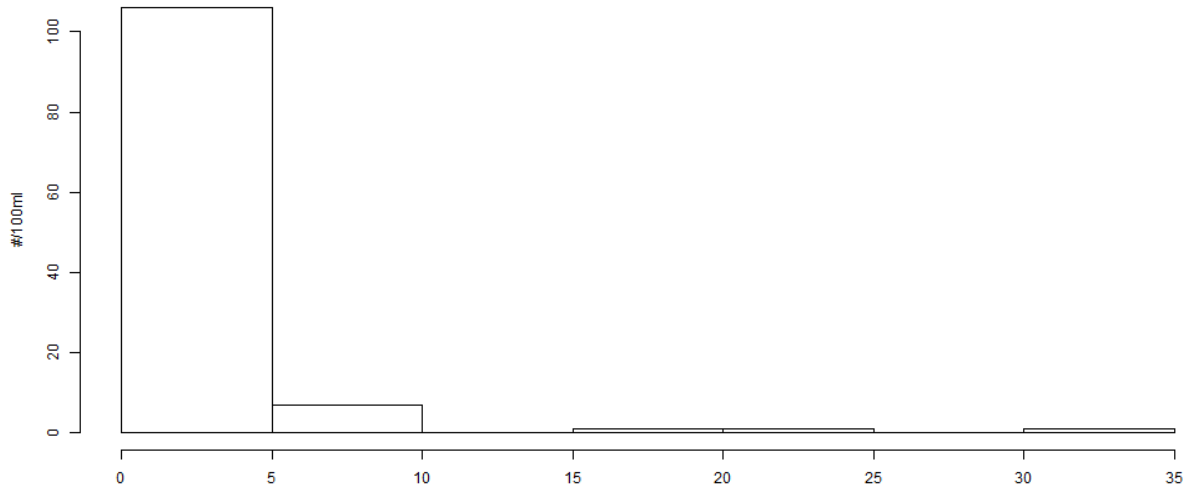
19-18



19-19

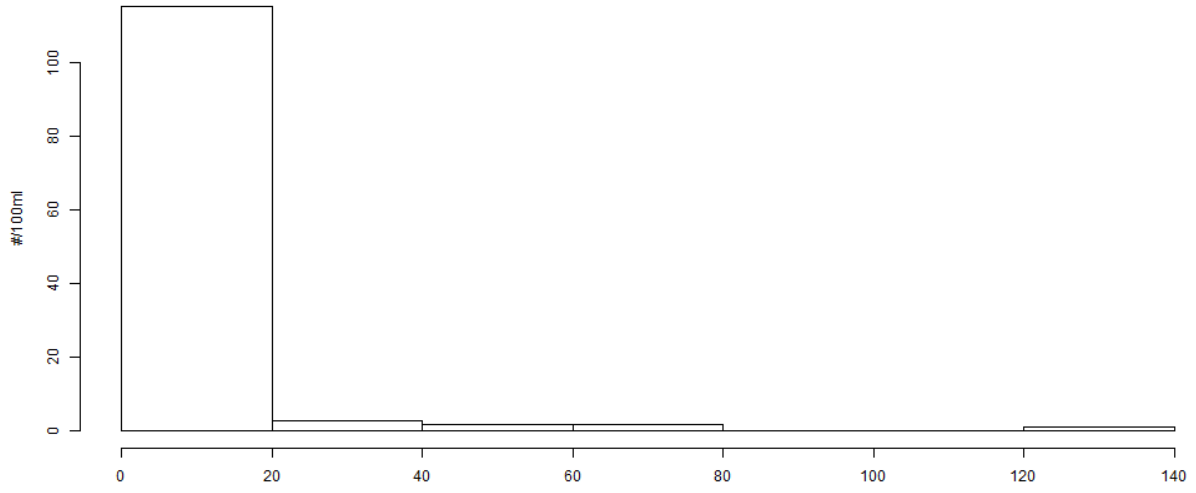


20-02

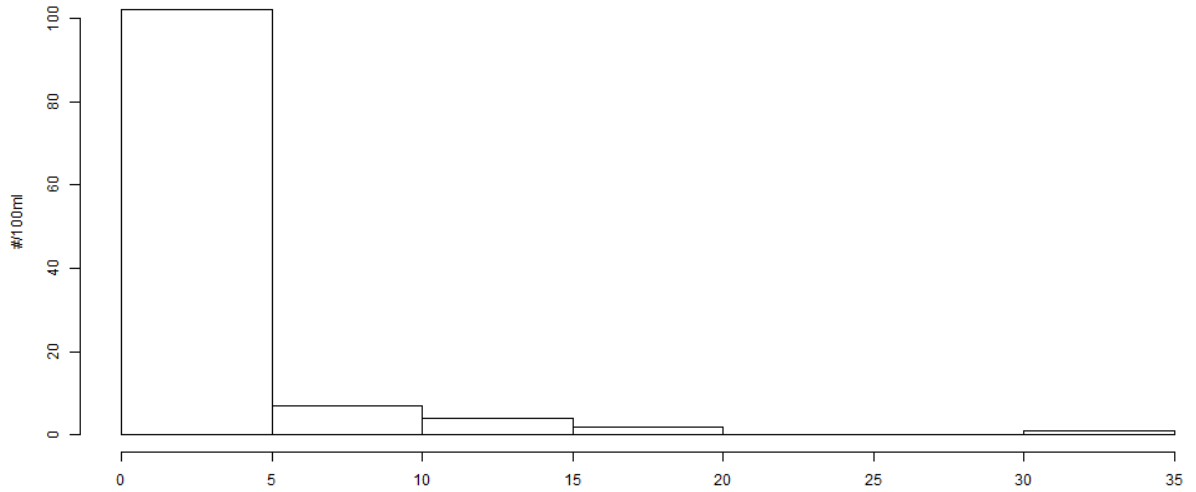




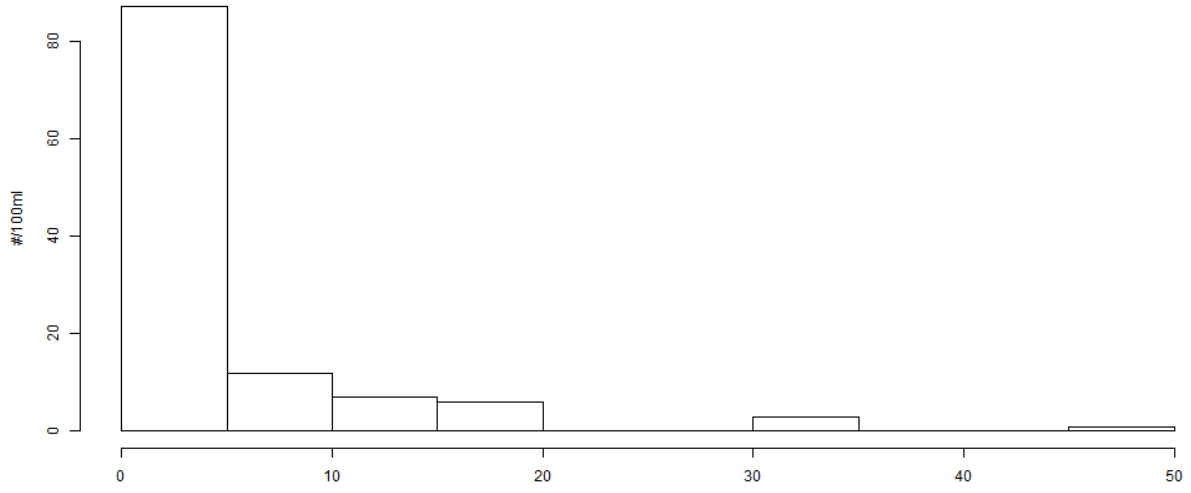
### 20-03



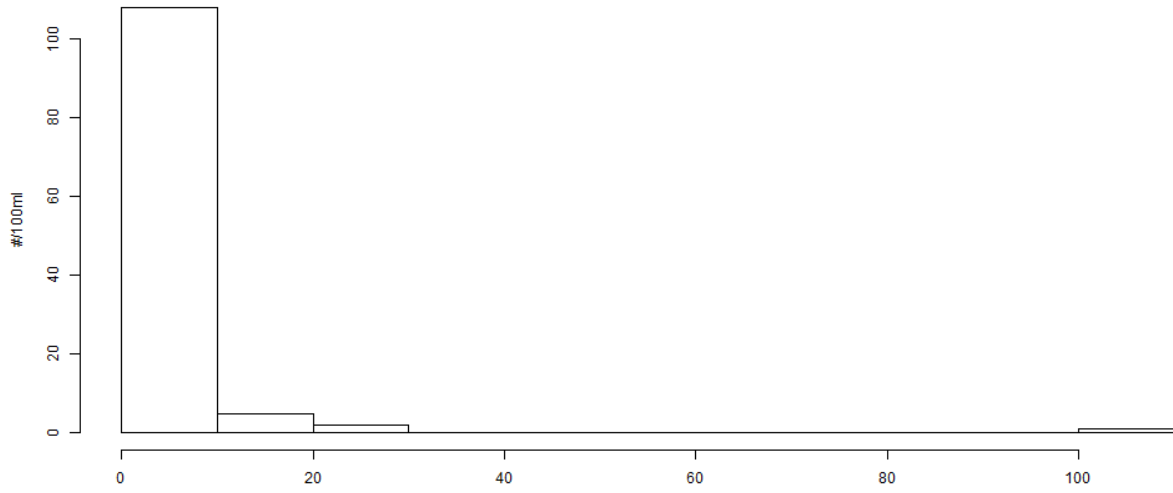
### 20-05



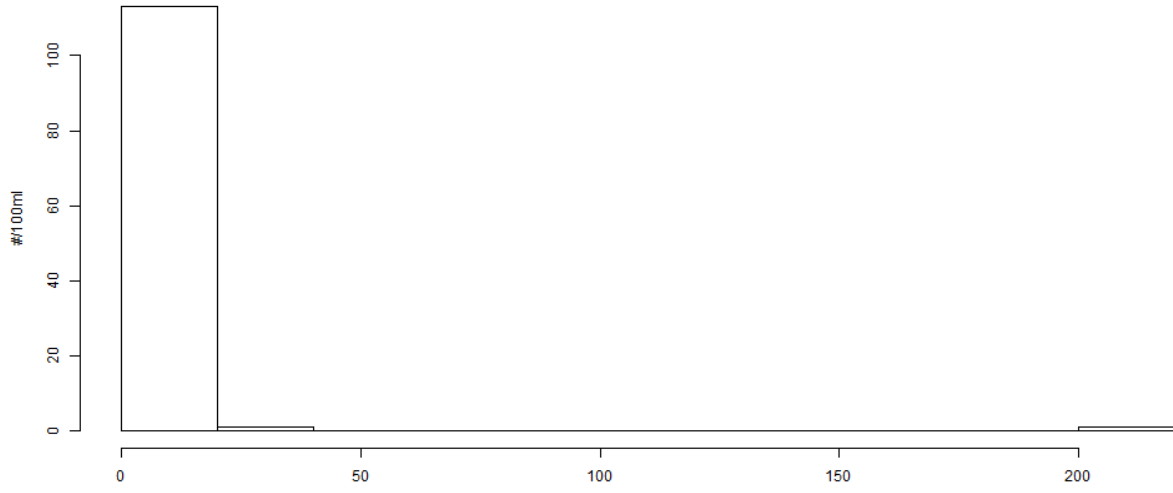
20-06



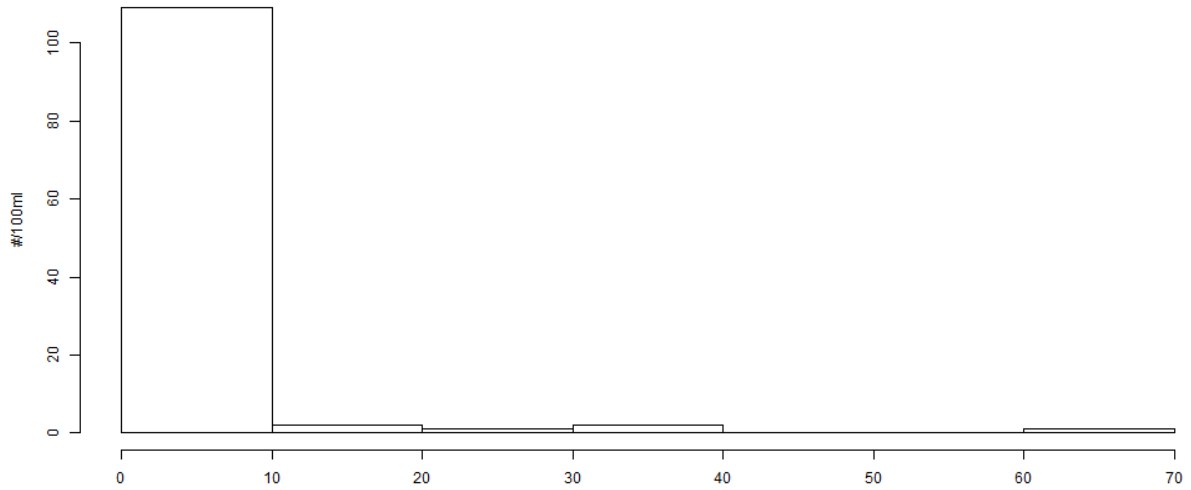
20-07



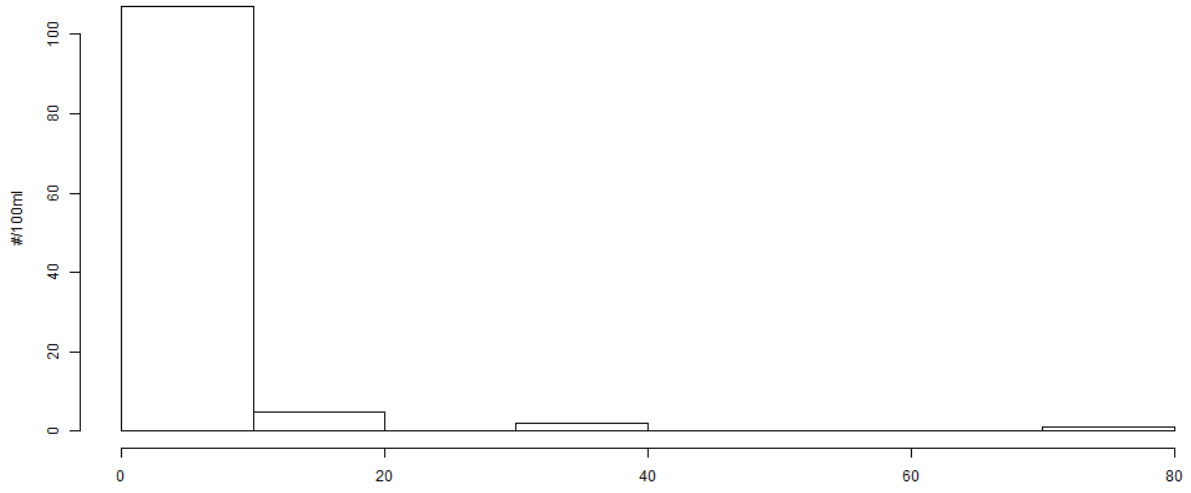
### 20-10



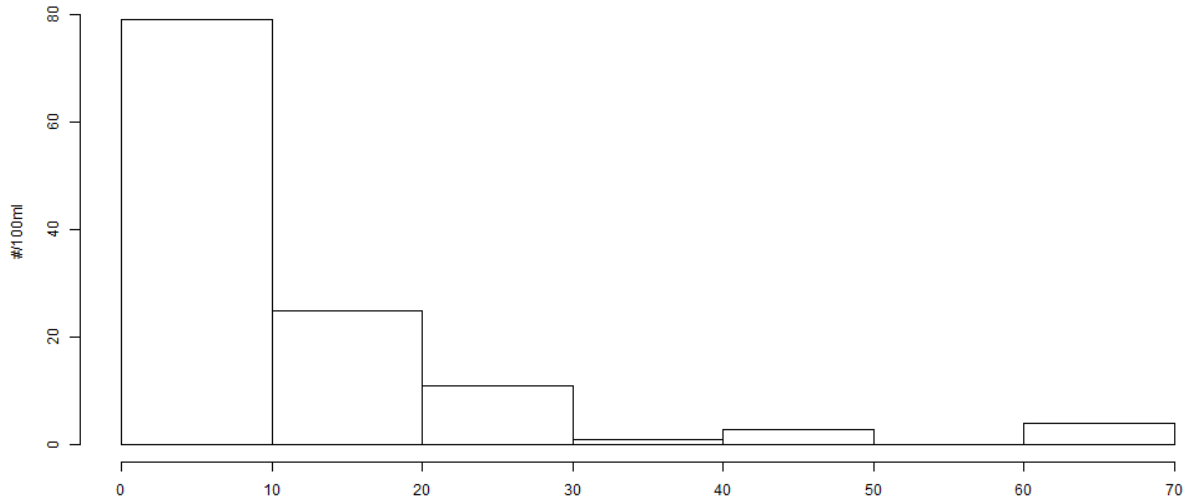
### 20-11



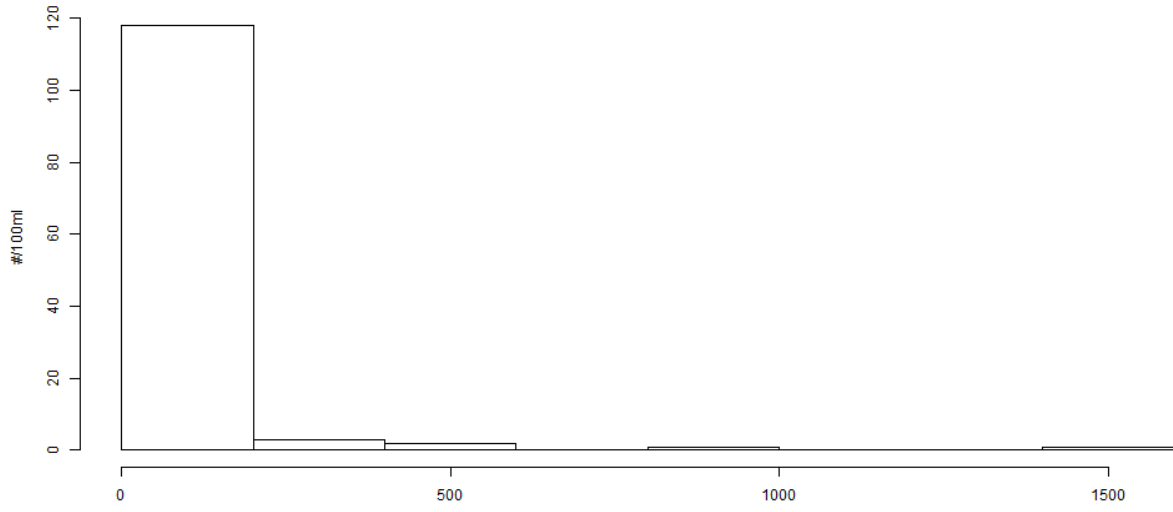
20-12



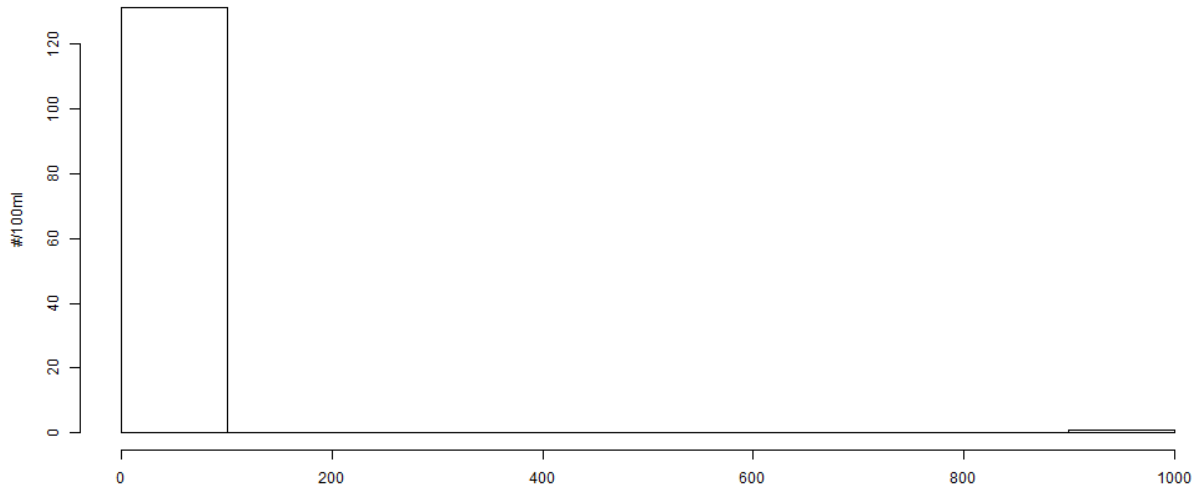
20-15A



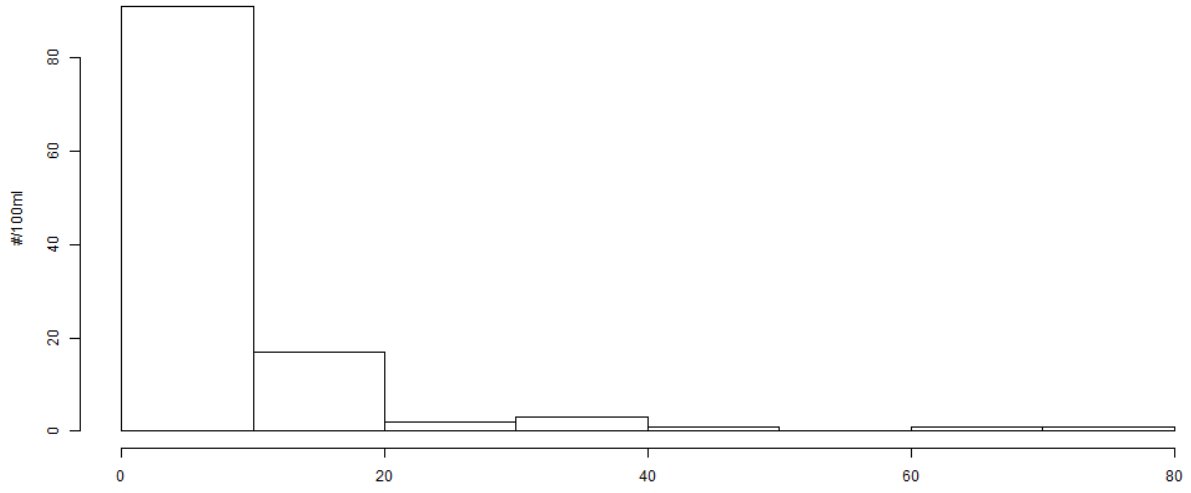
**20-16**



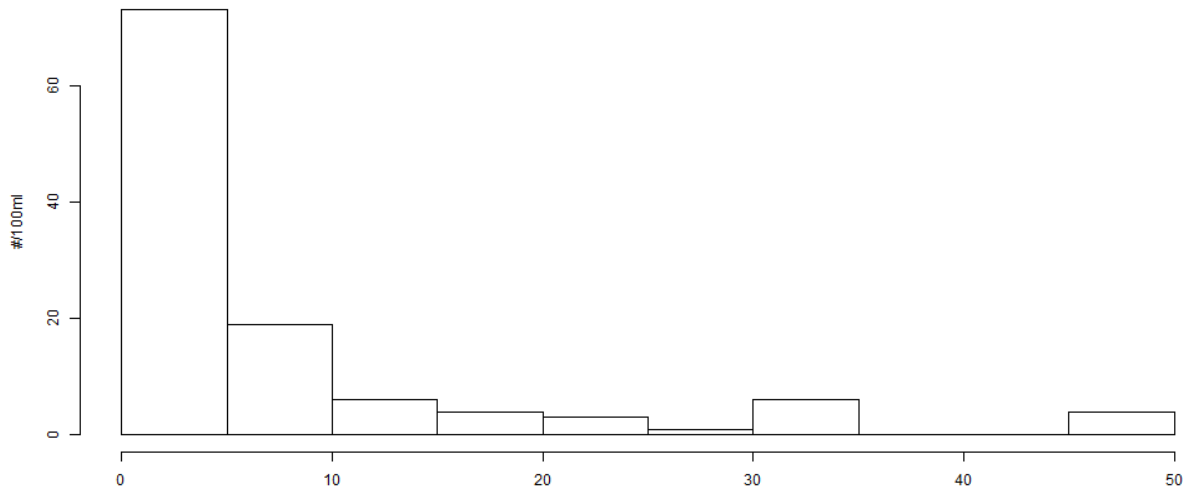
**20-18**



20-22



20-23

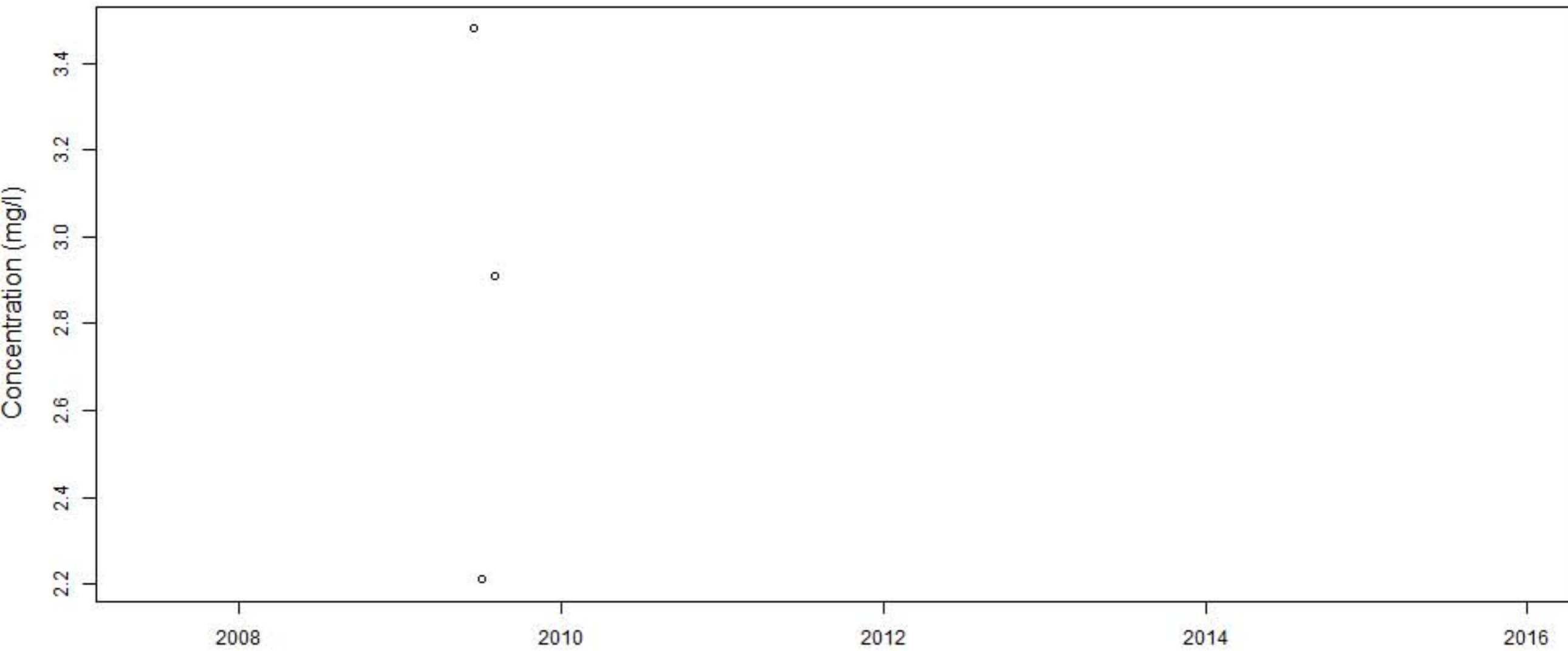


Time Series  
Beaufort County

Timeseries of  
Biochemical Oxygen Demand  
Water Quality Data  
Collected at  
Beaufort County Stations



# BECY.1.5

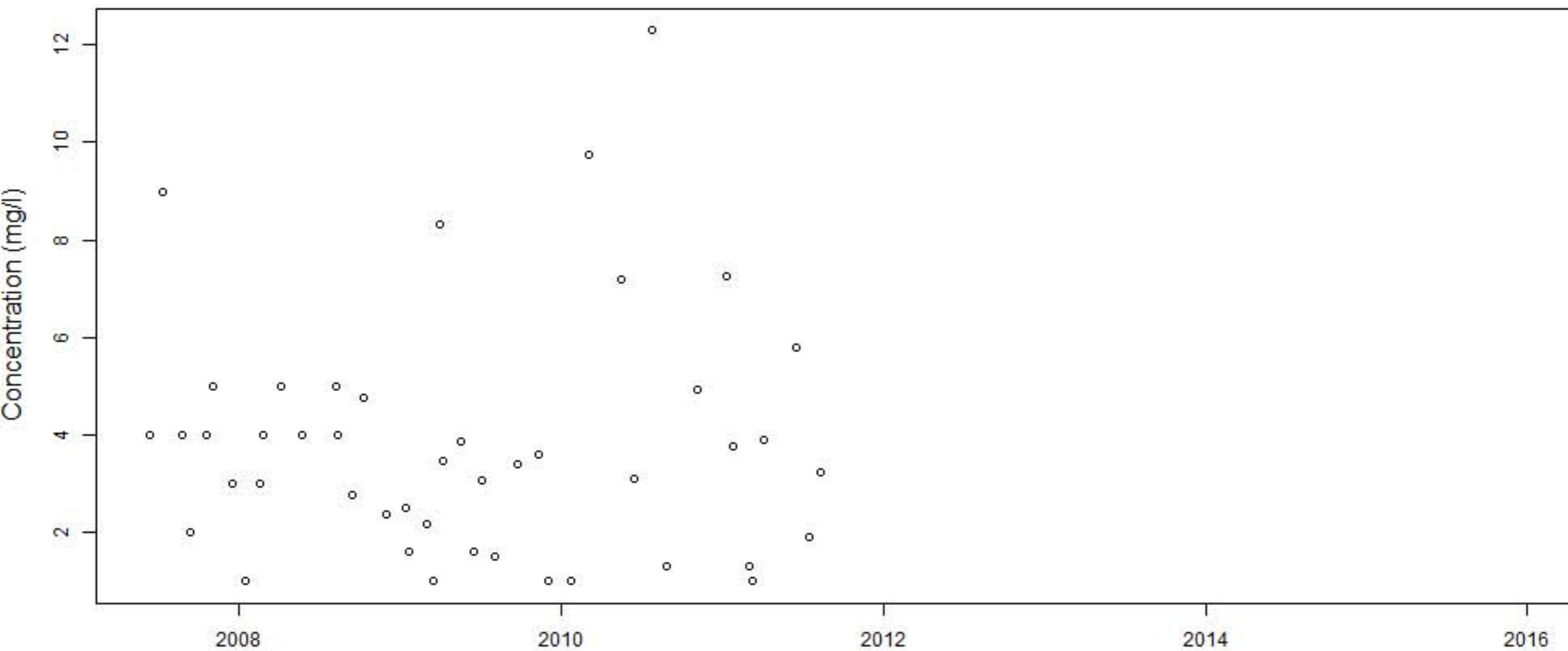






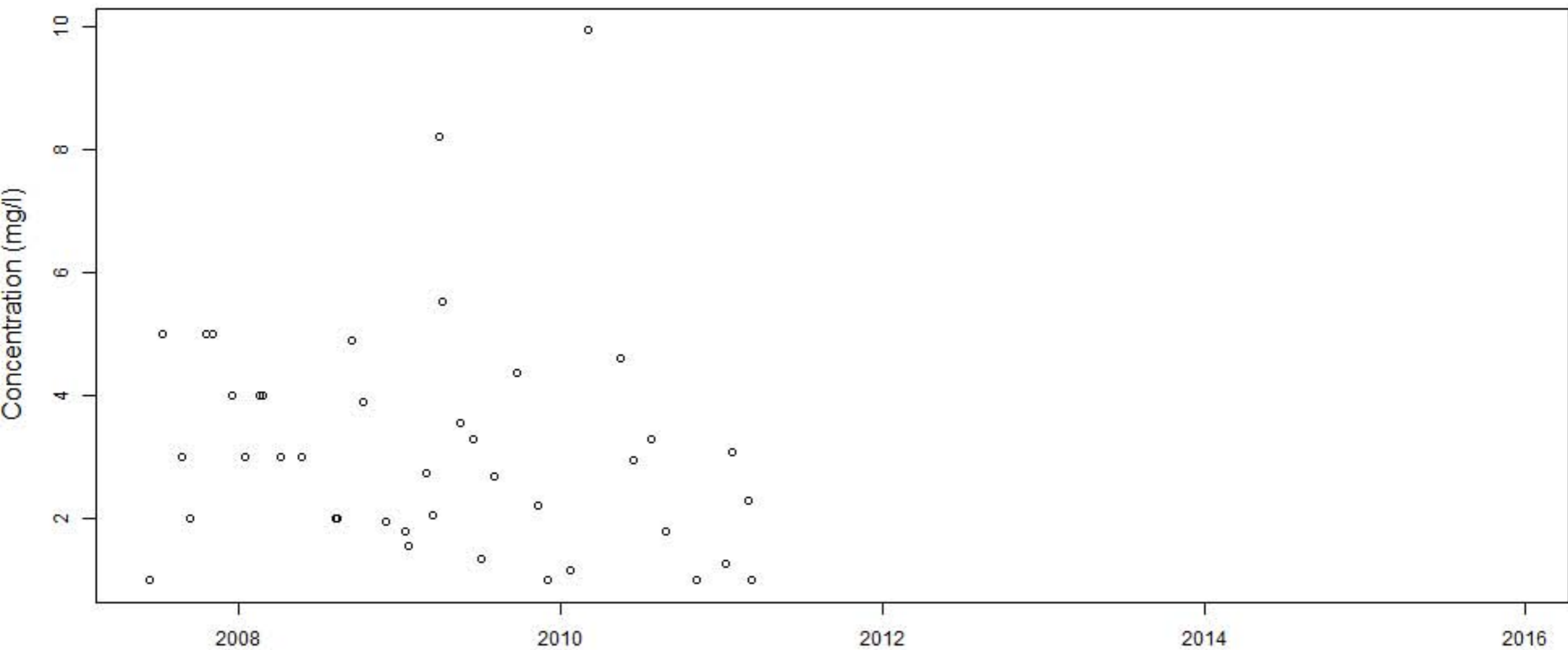


# BECY.12

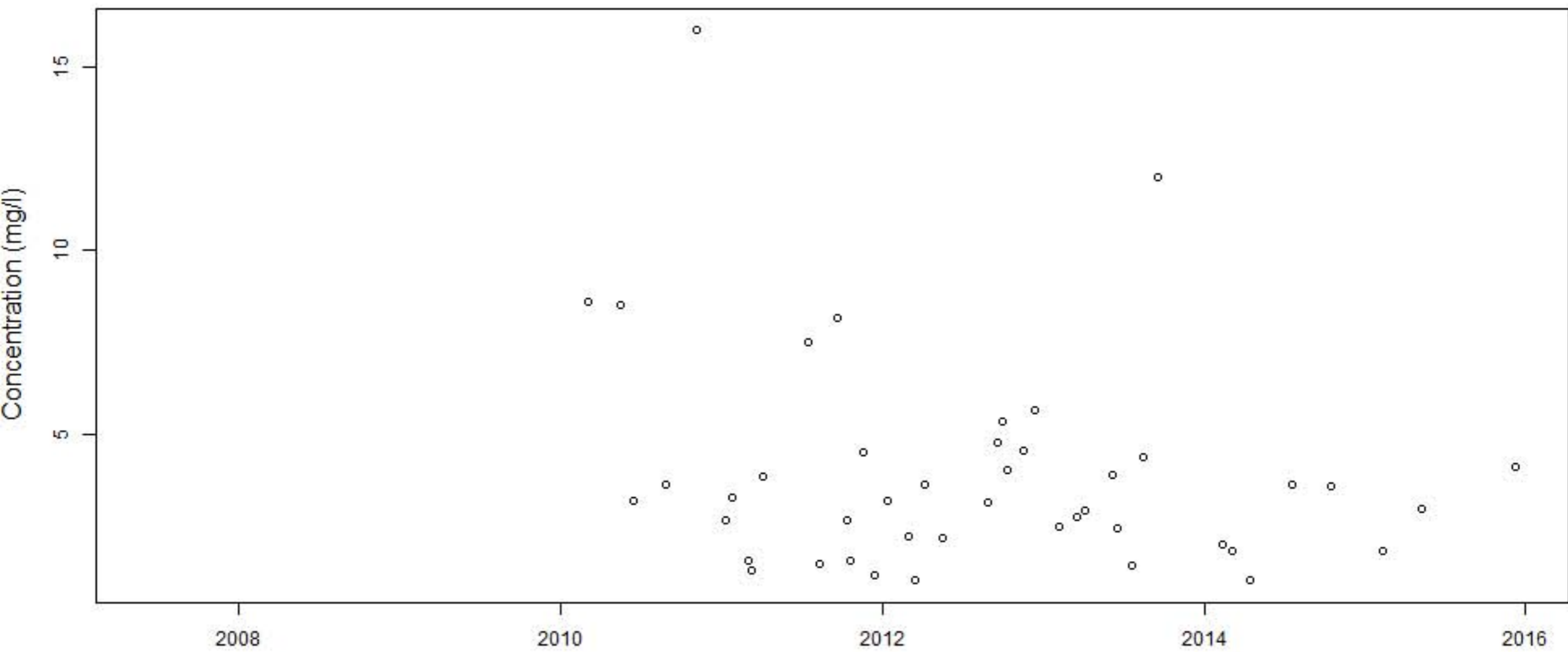




# BECY.14

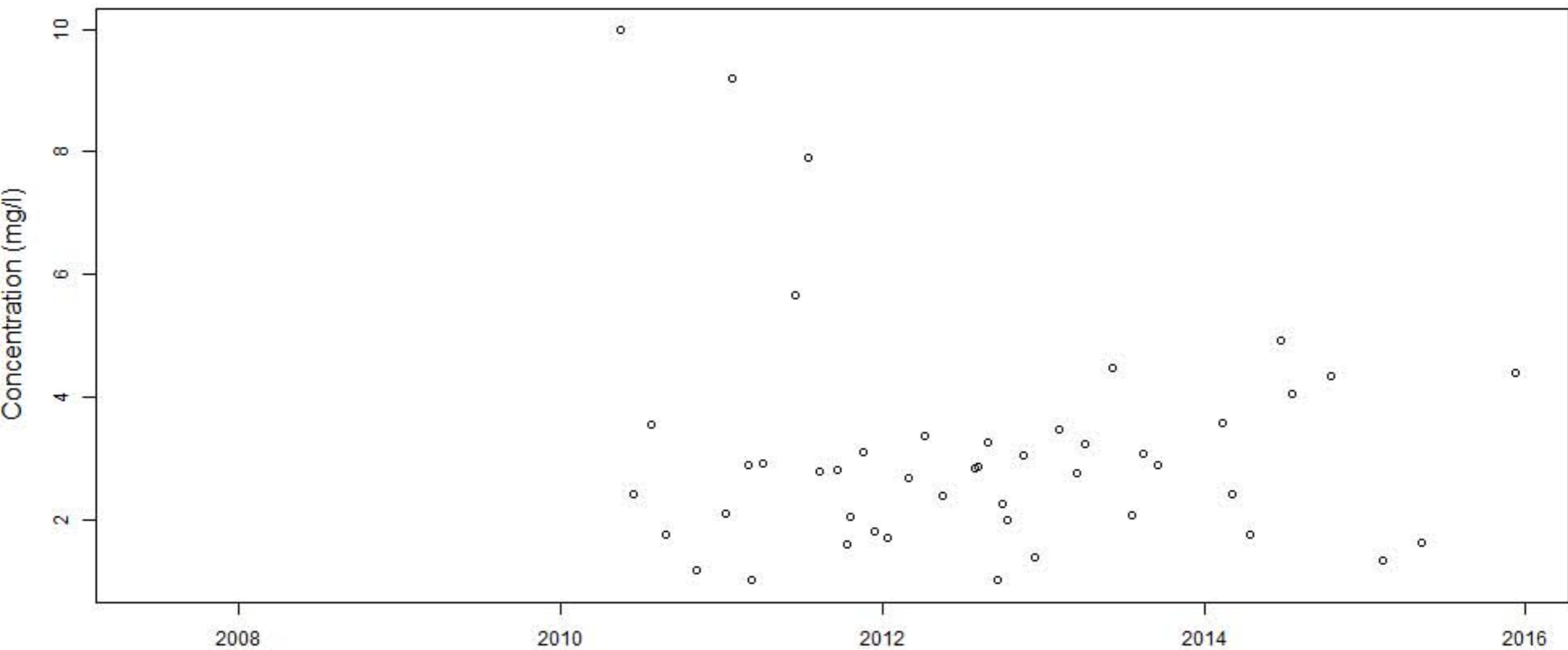


# BECY.15

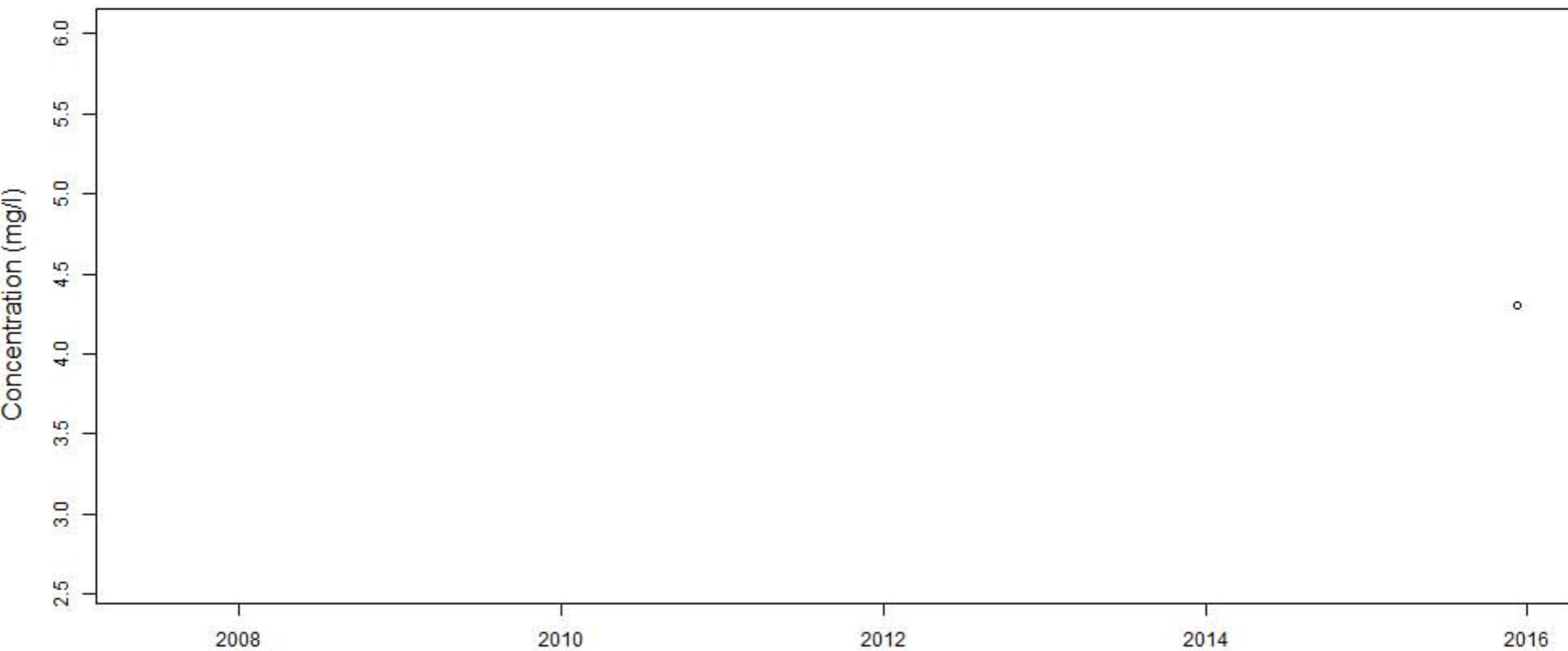




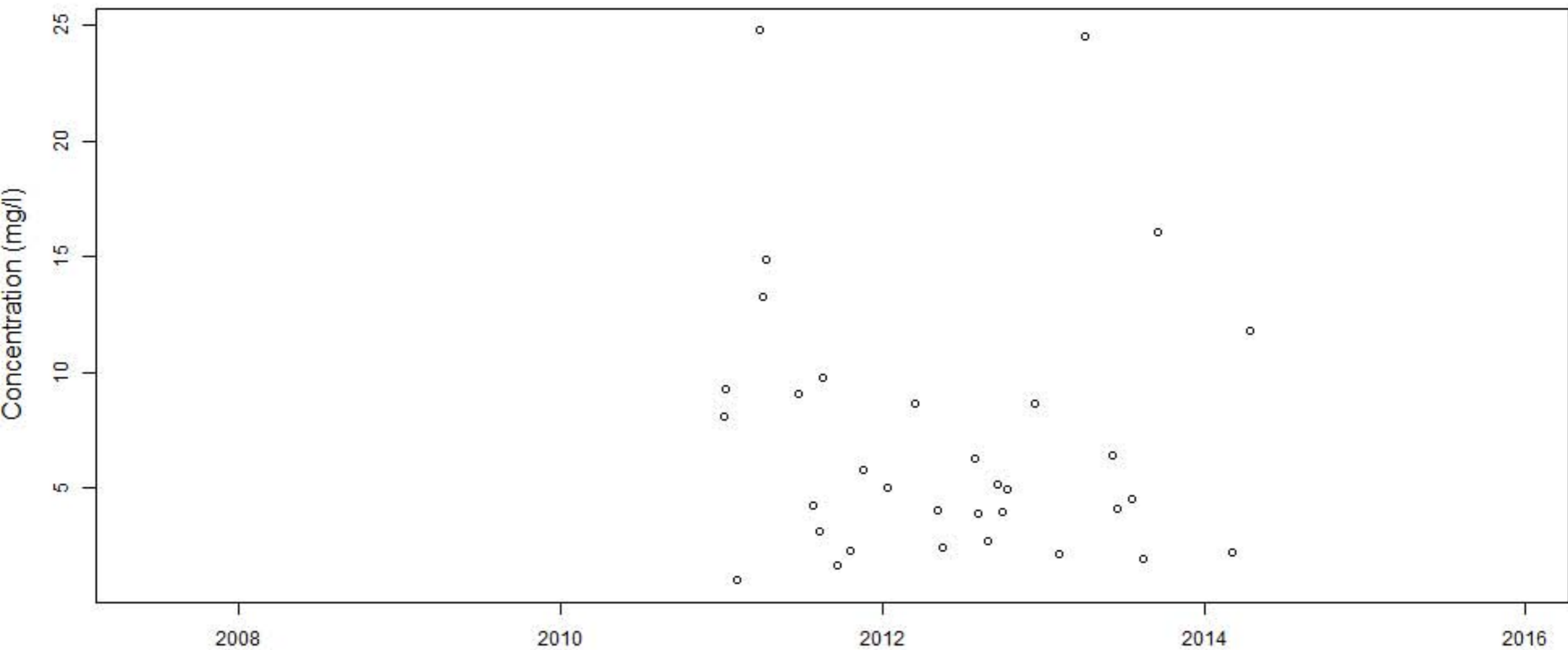
# BECY.16



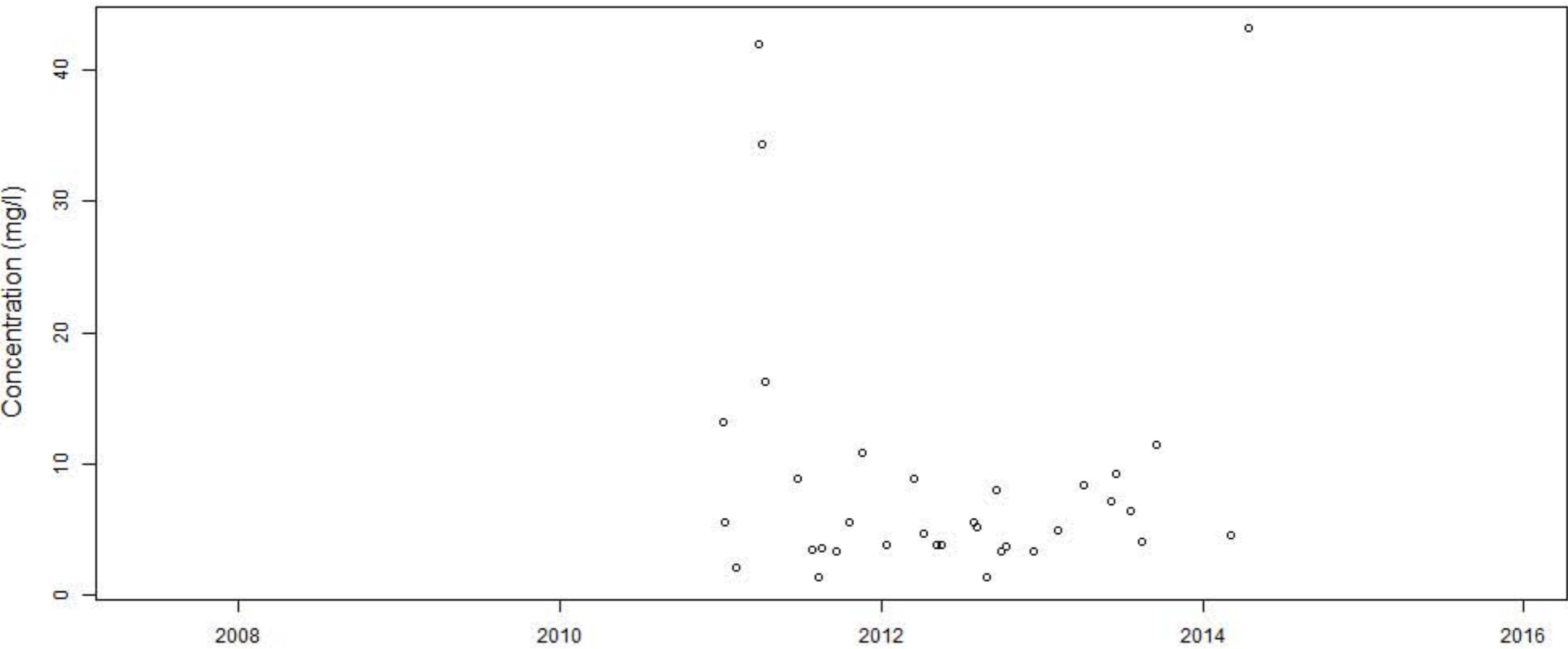
# BECY.17



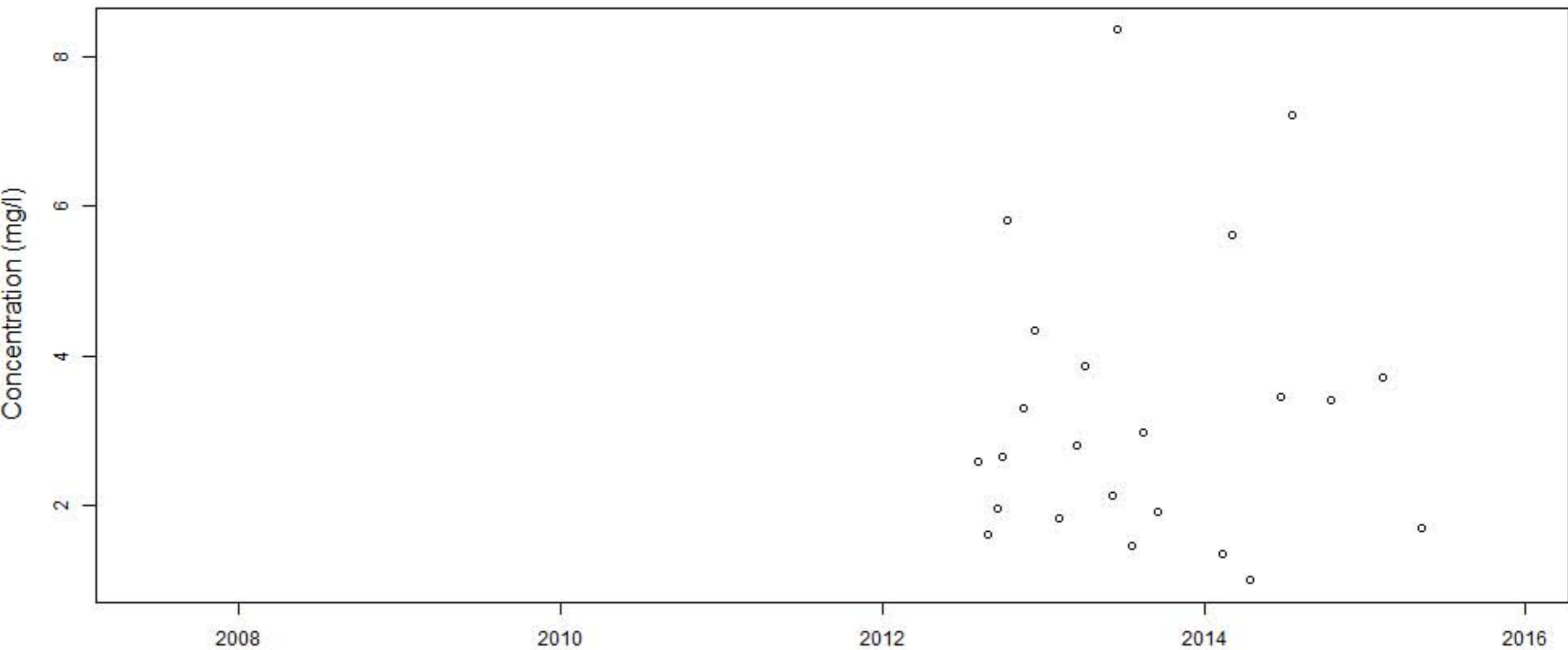
BECY.17a.After



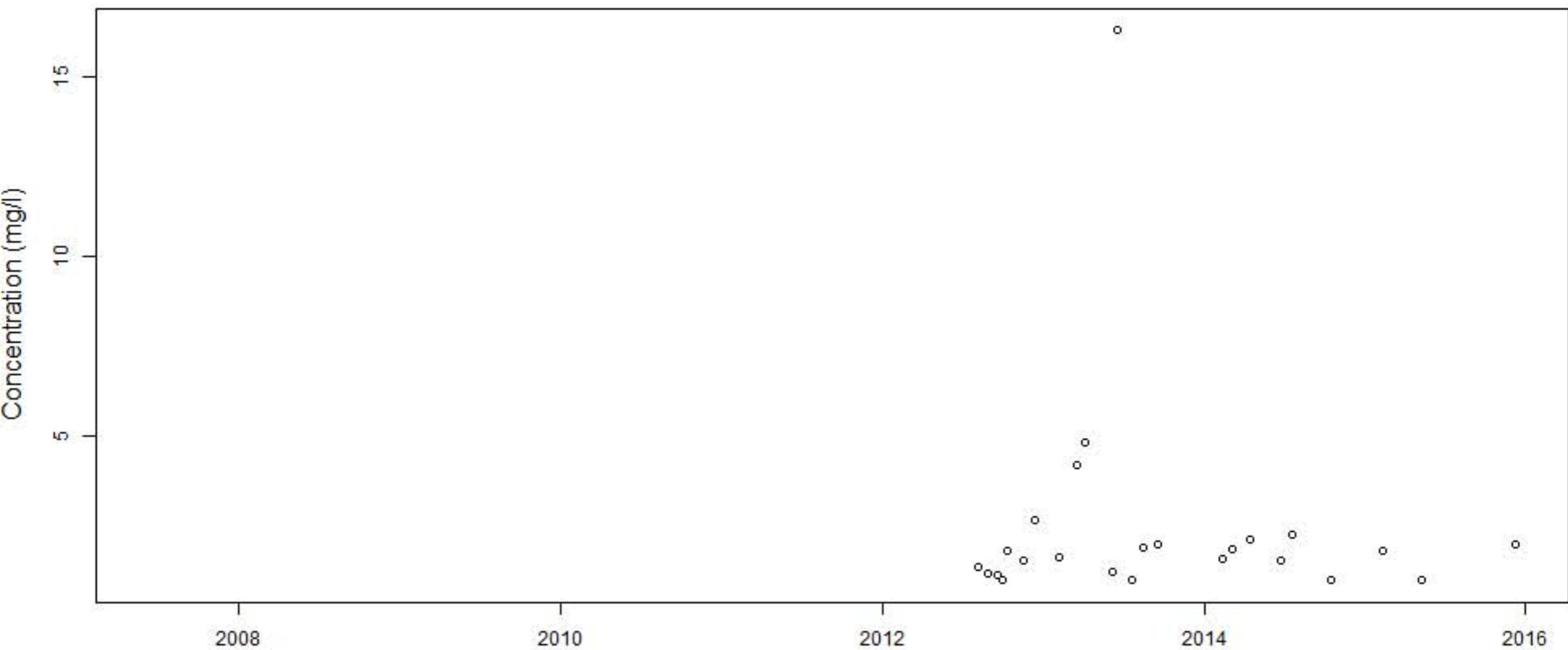
BECY.17a.Grab



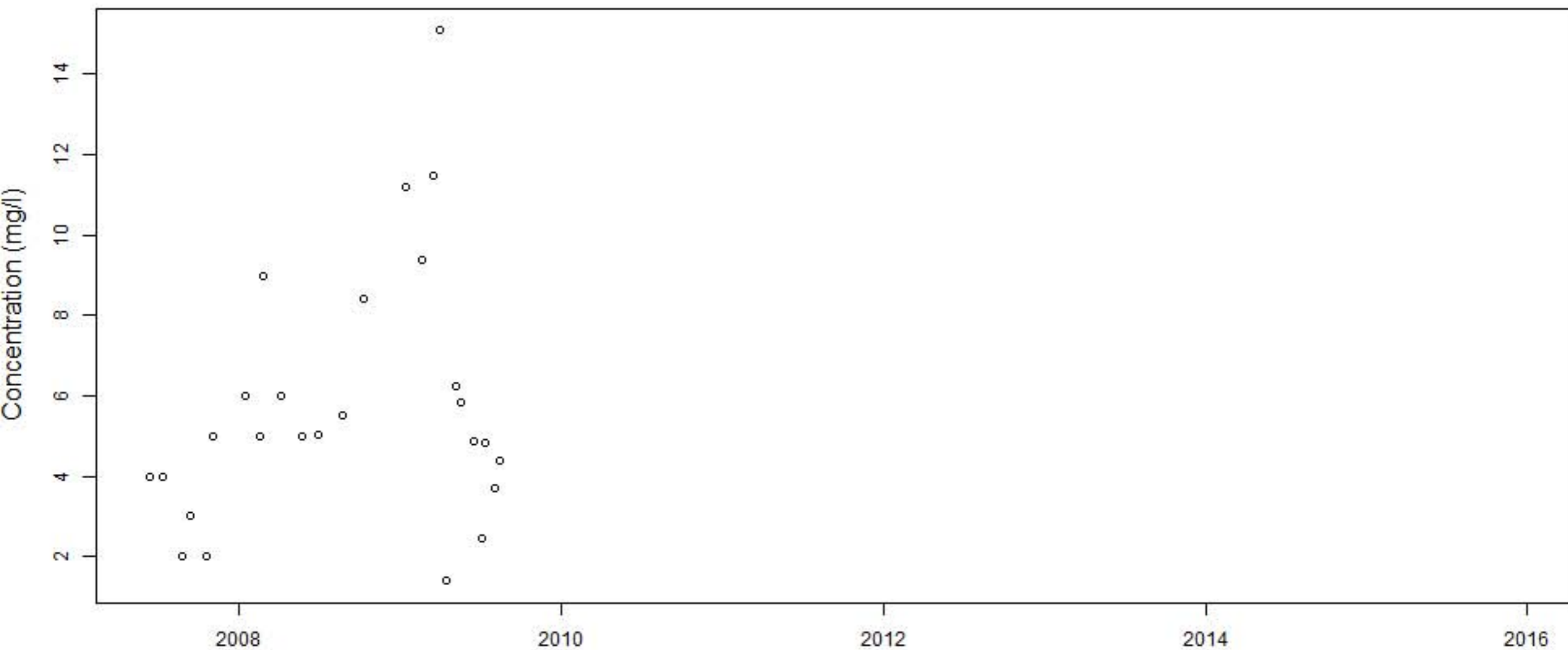
# BECY.18



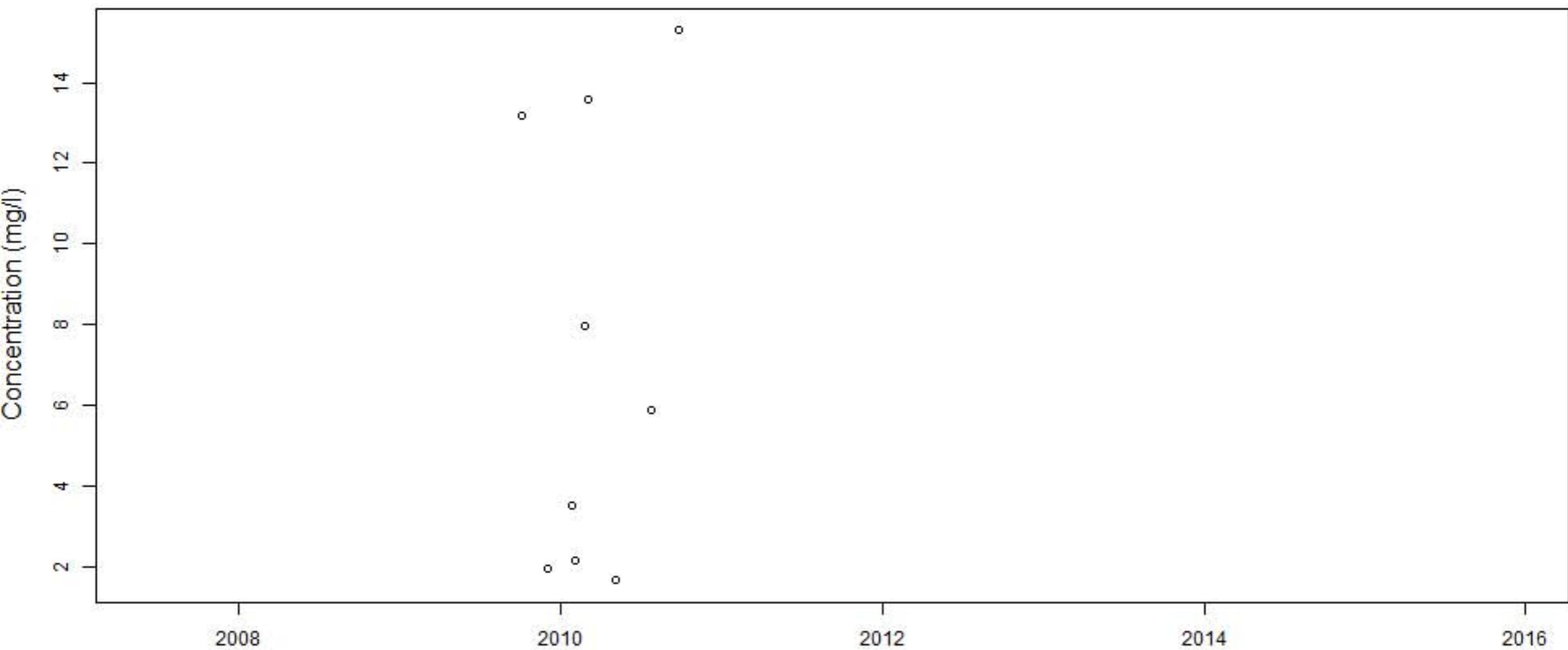
# BECY.19



# BECY.1a.Comp

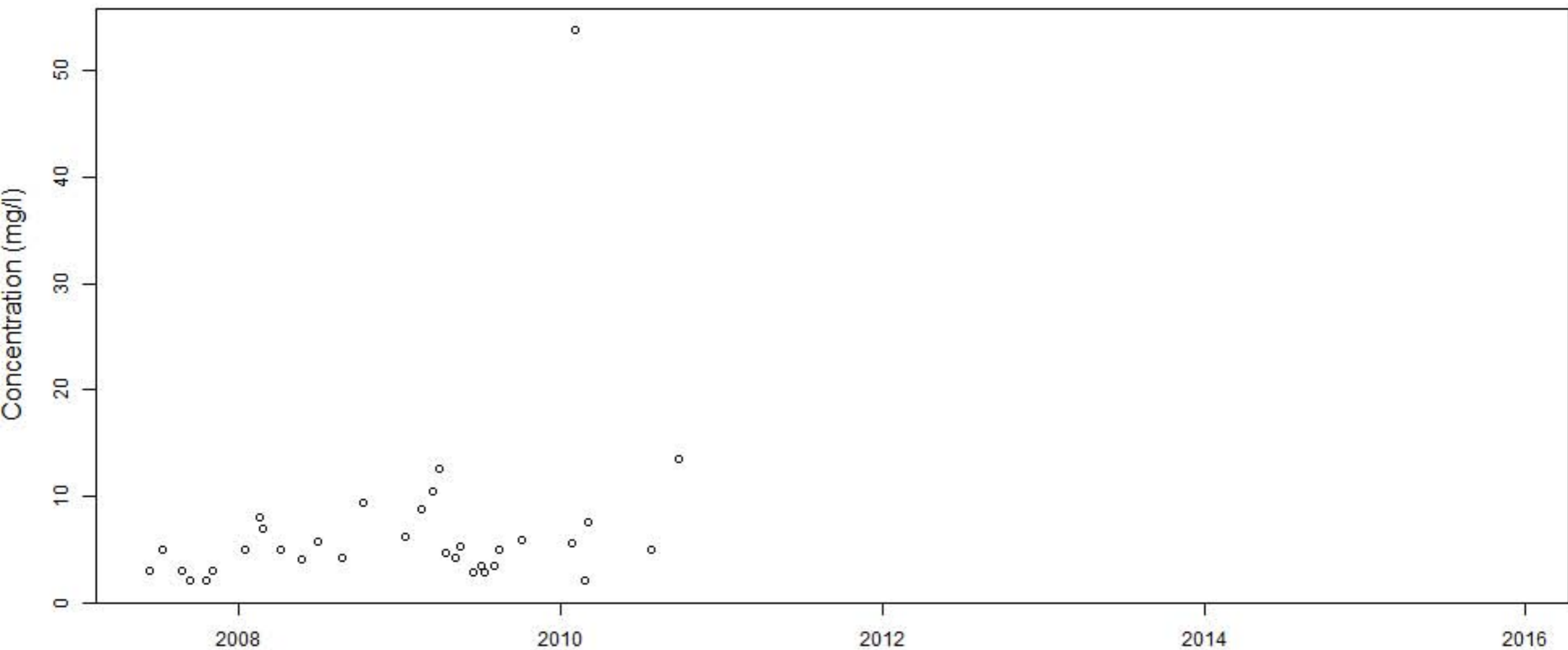


BECY.1a.Grab.After

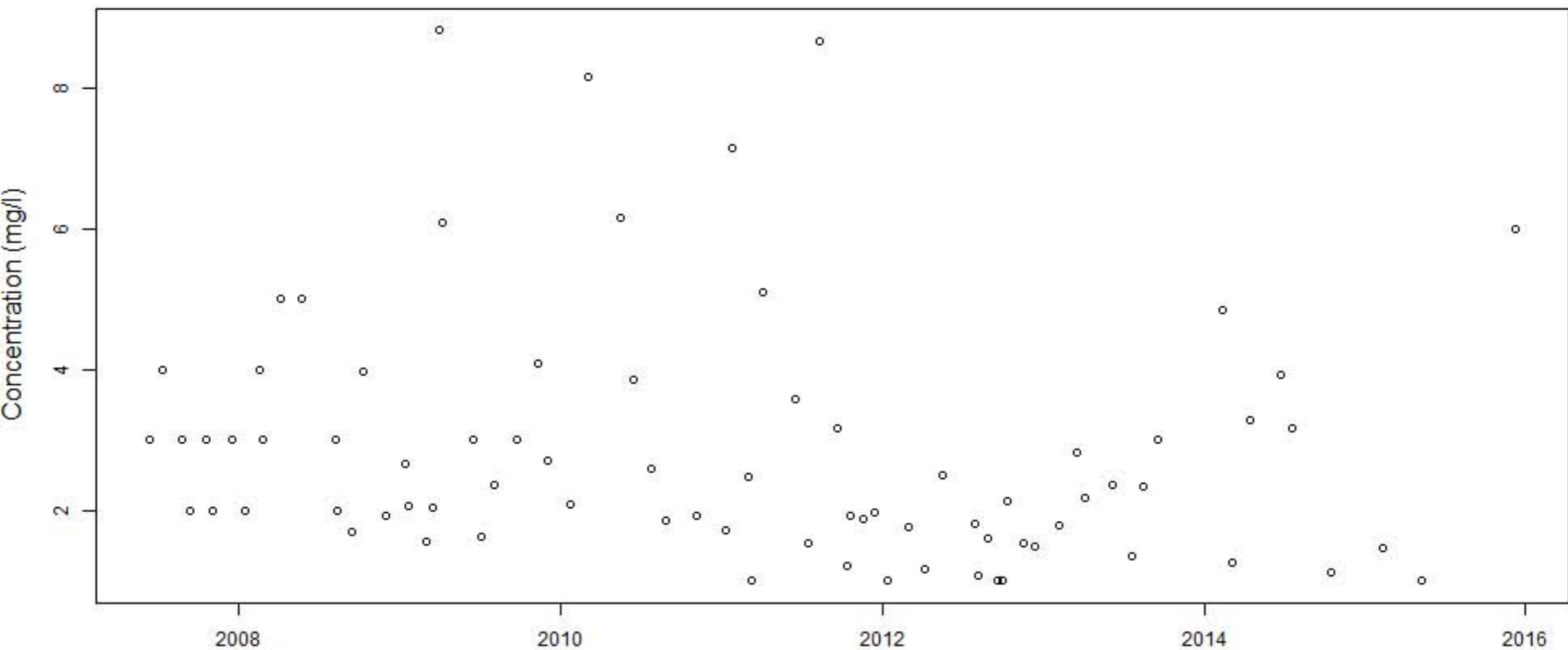




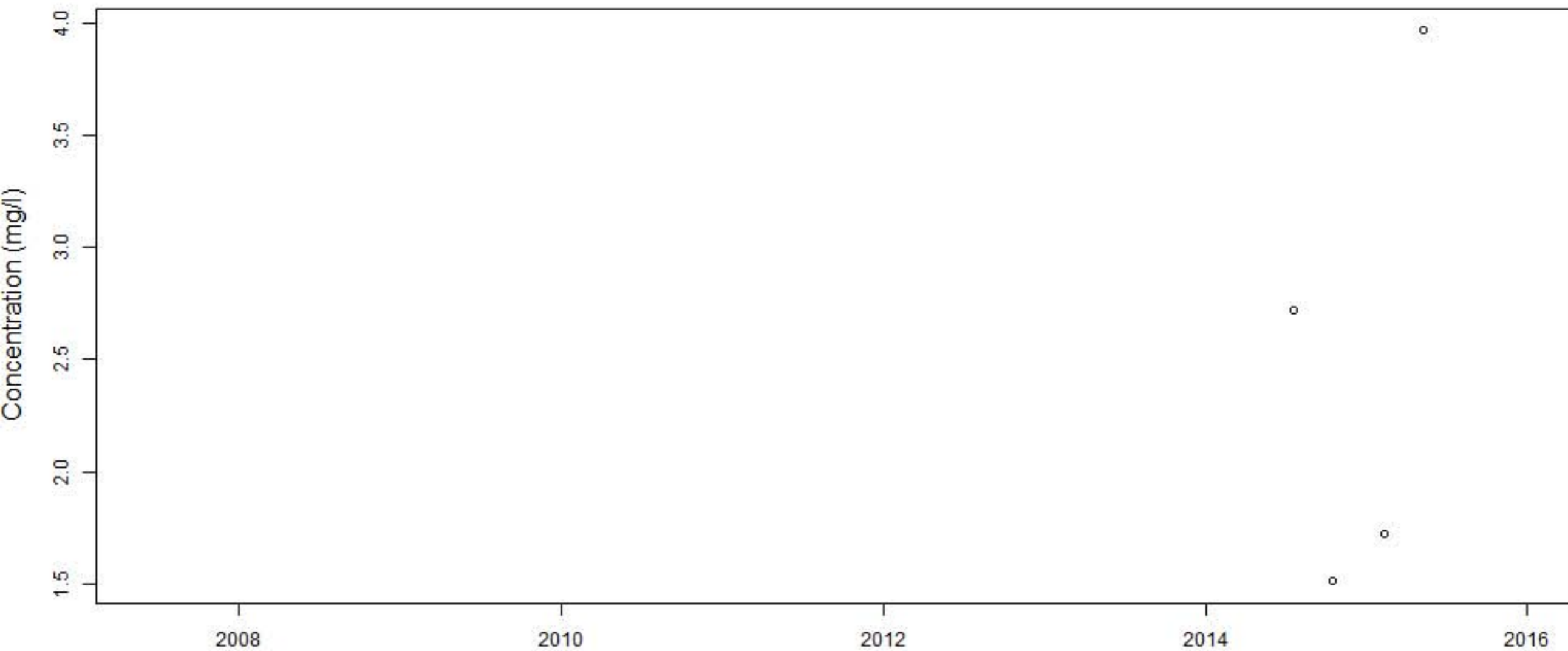
# BECY.1a.Grab



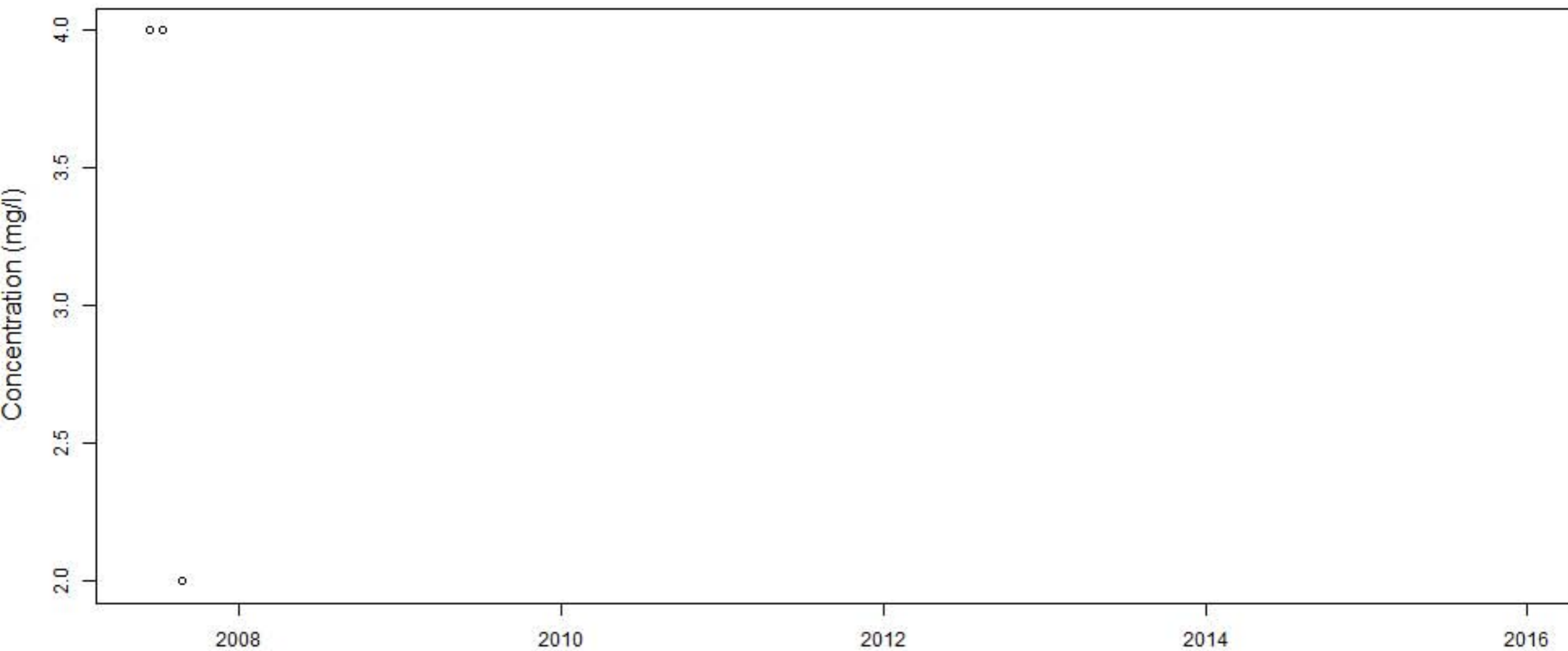
# BECY.2



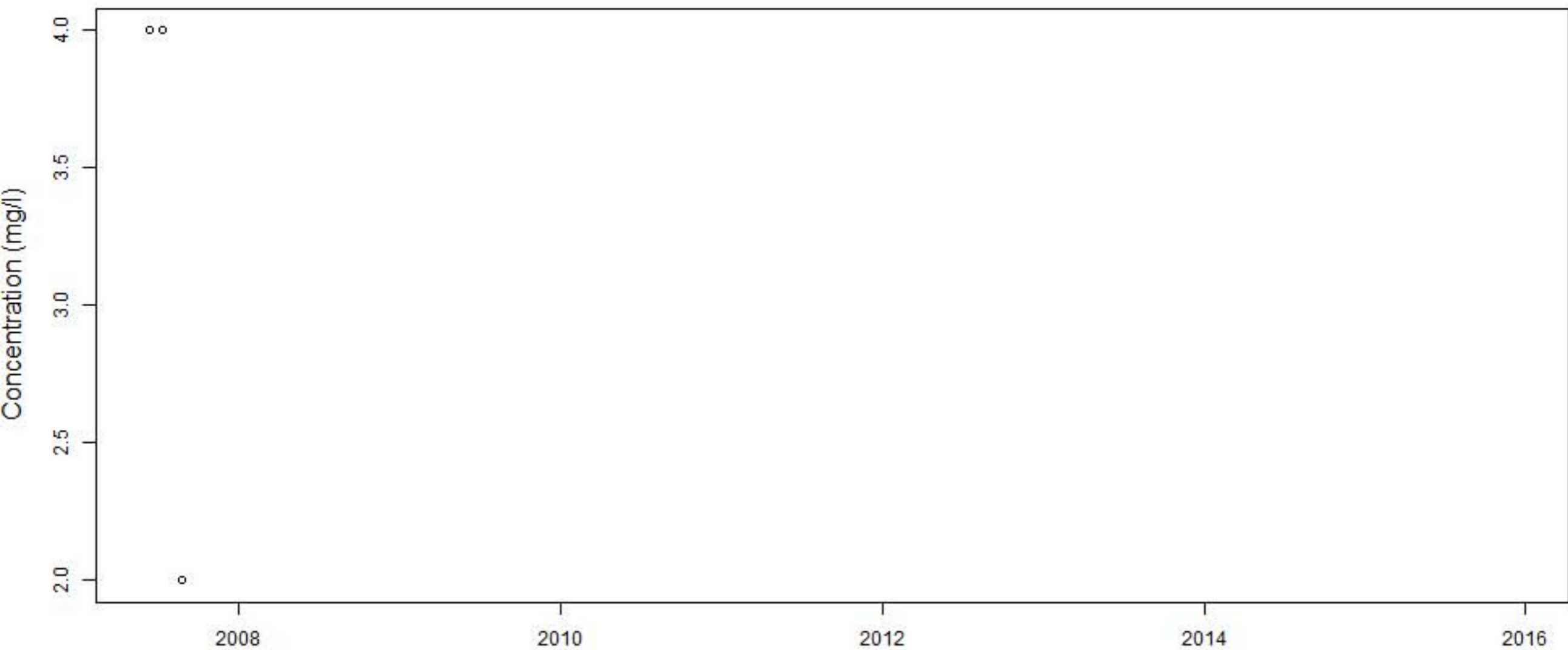
# BECY.20



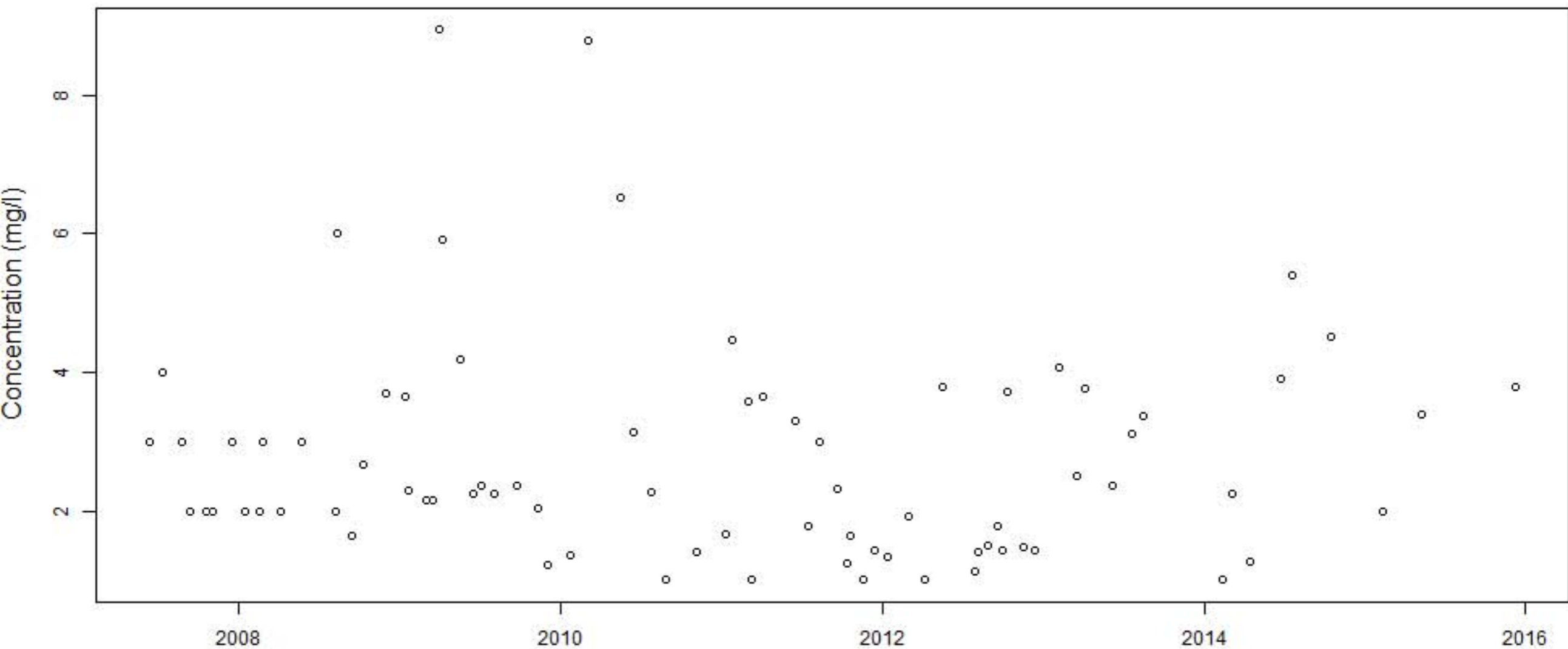
# BECY.2a.Comp



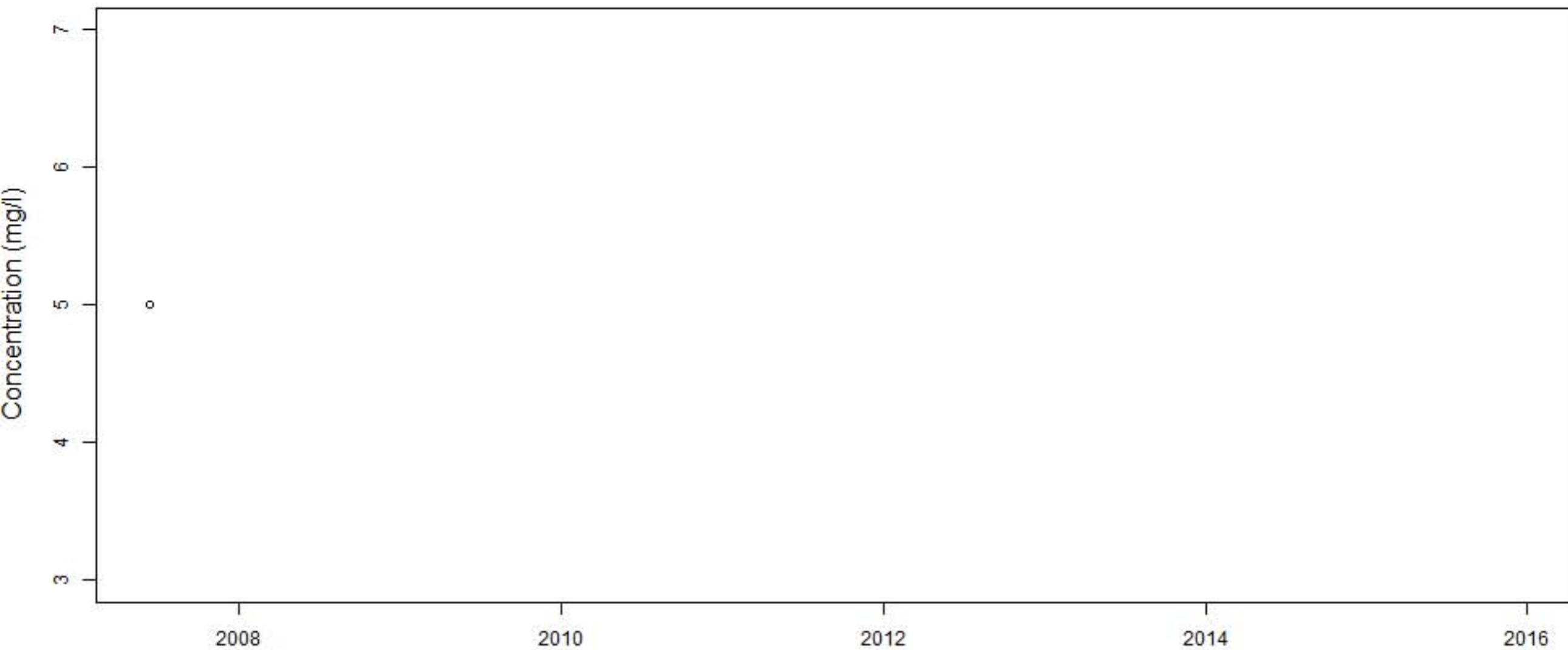
# BECY.2a.Grab



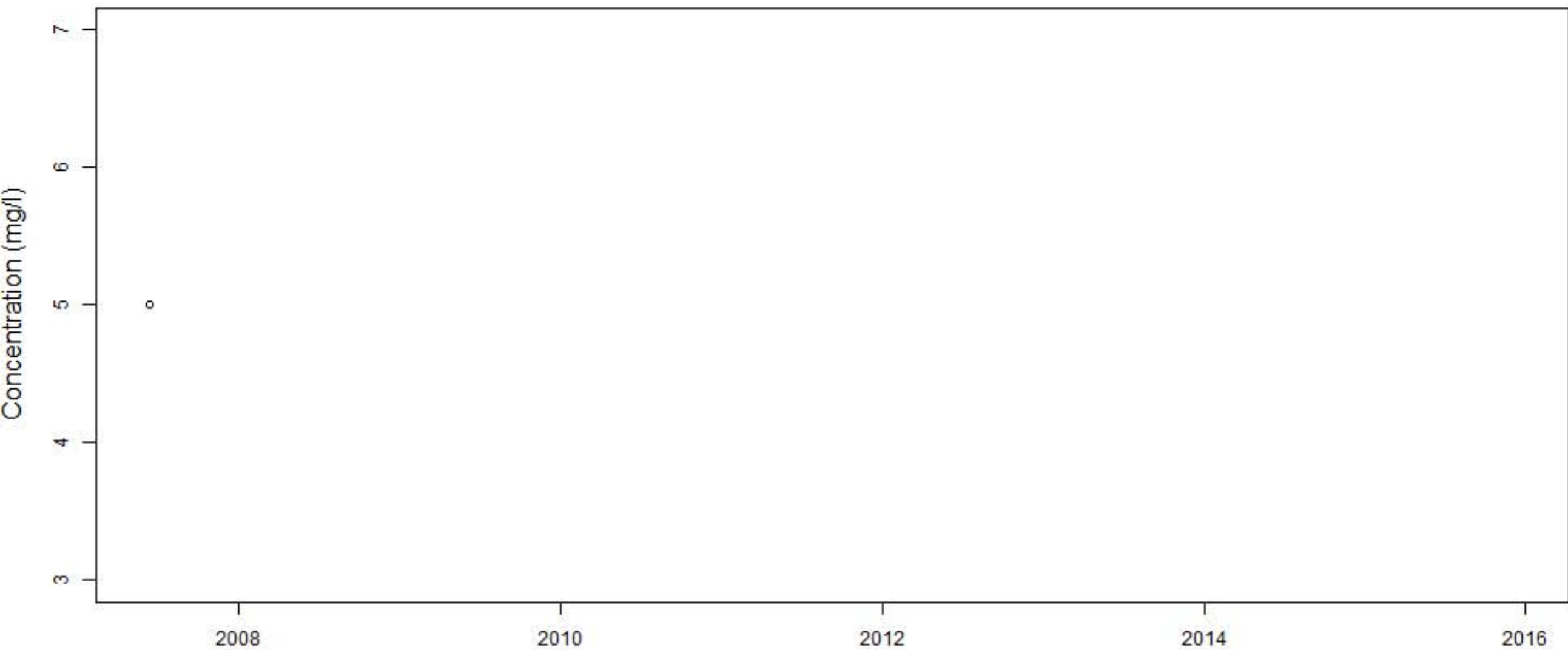
### BECY.3



# BECY.3a.Comp

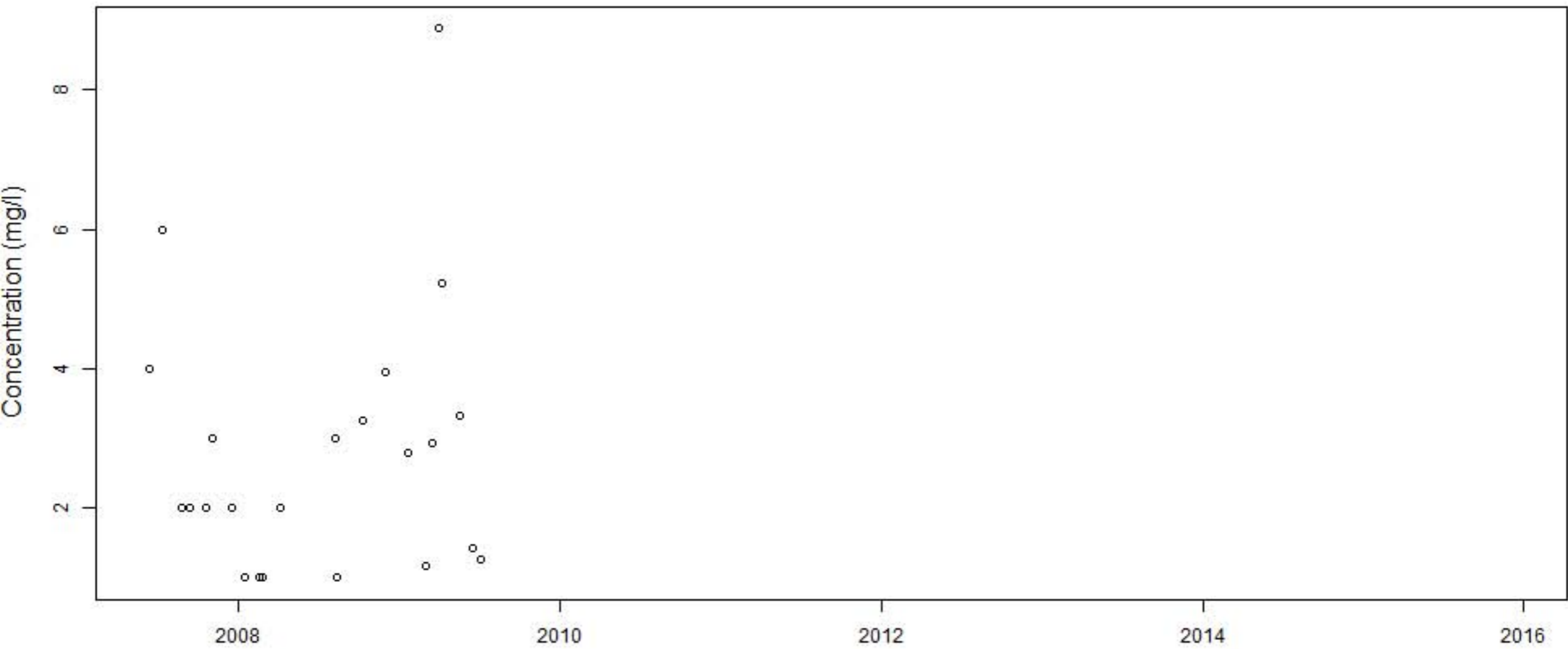


# BECY.3a.Grab



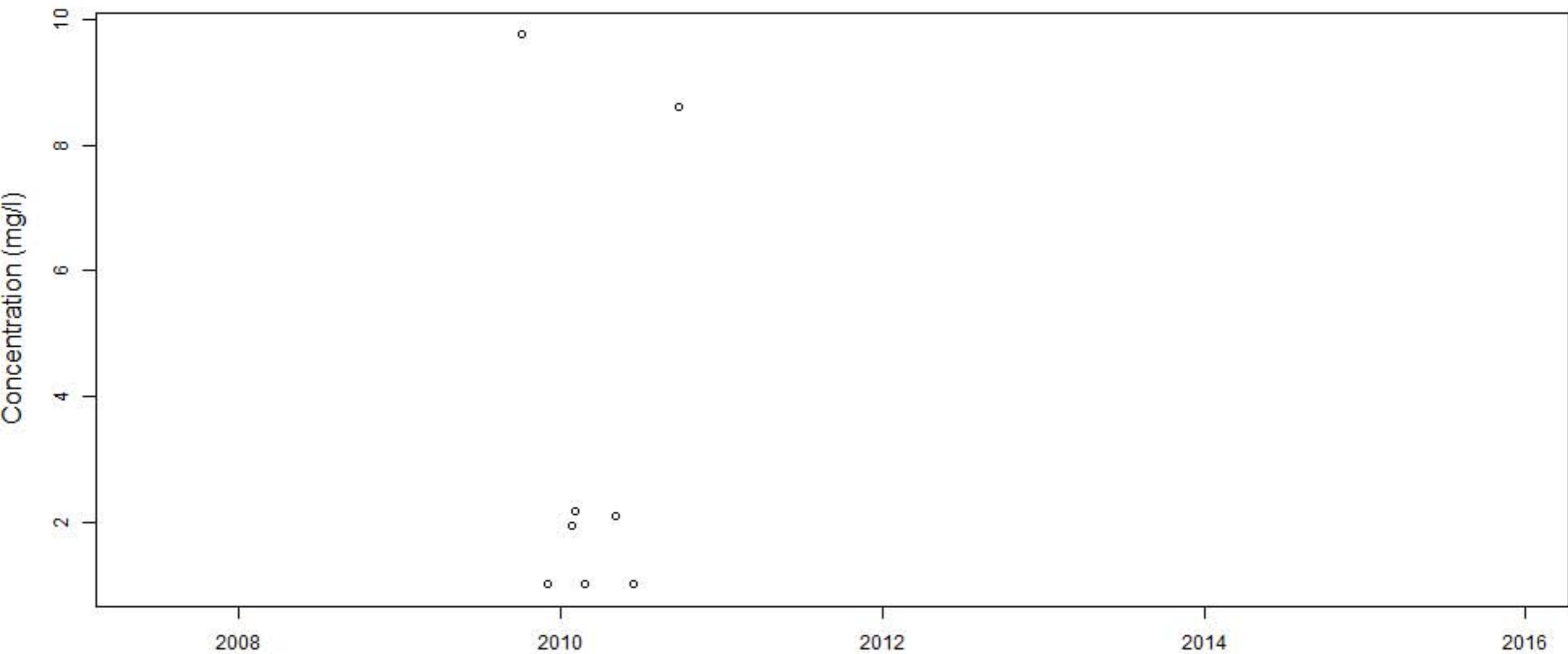


# BECY.4

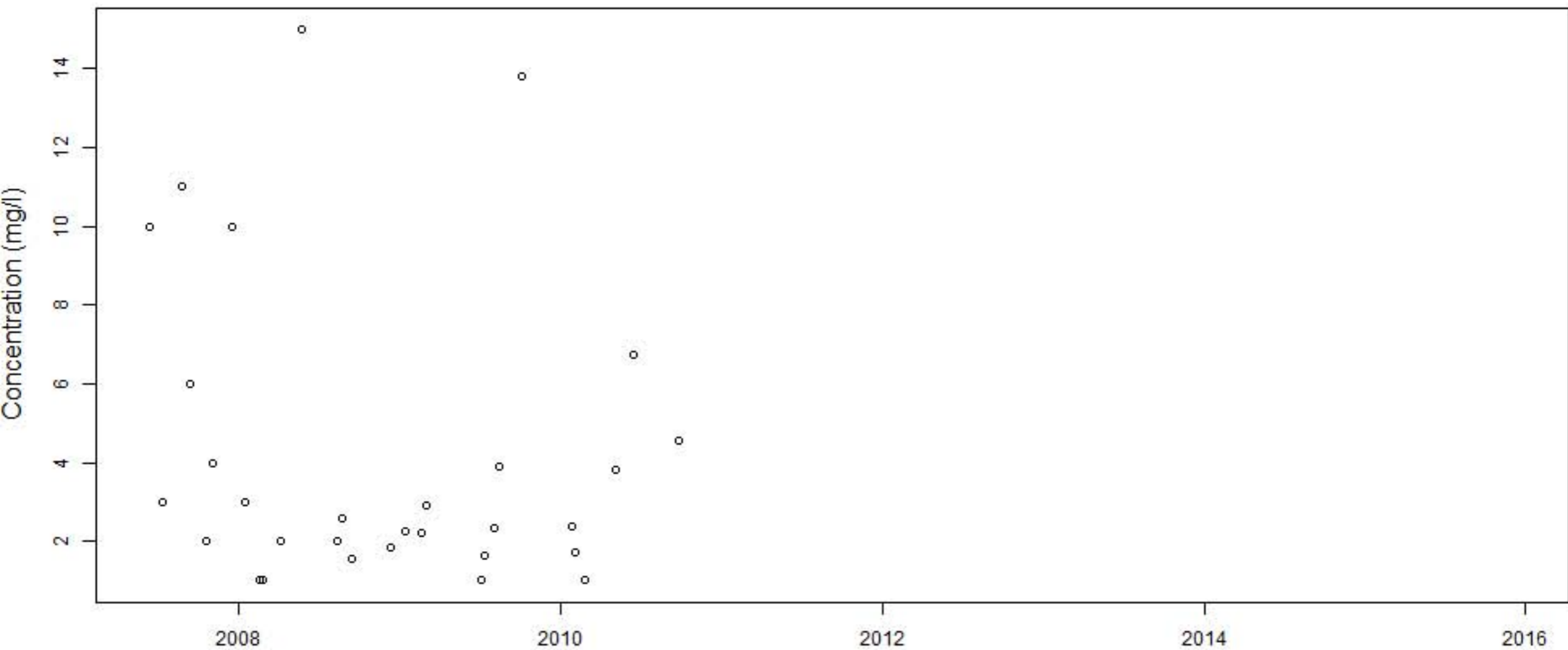




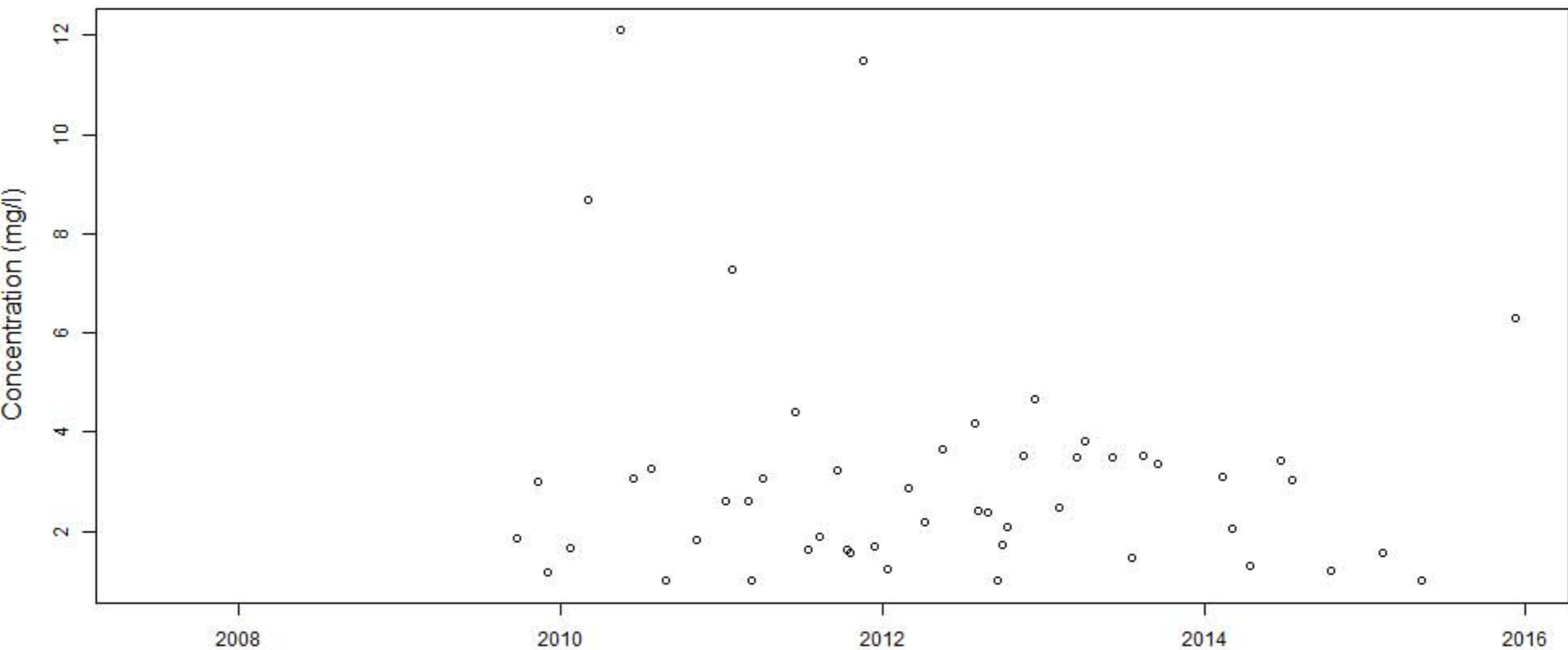
BECY.4a.Grab.After



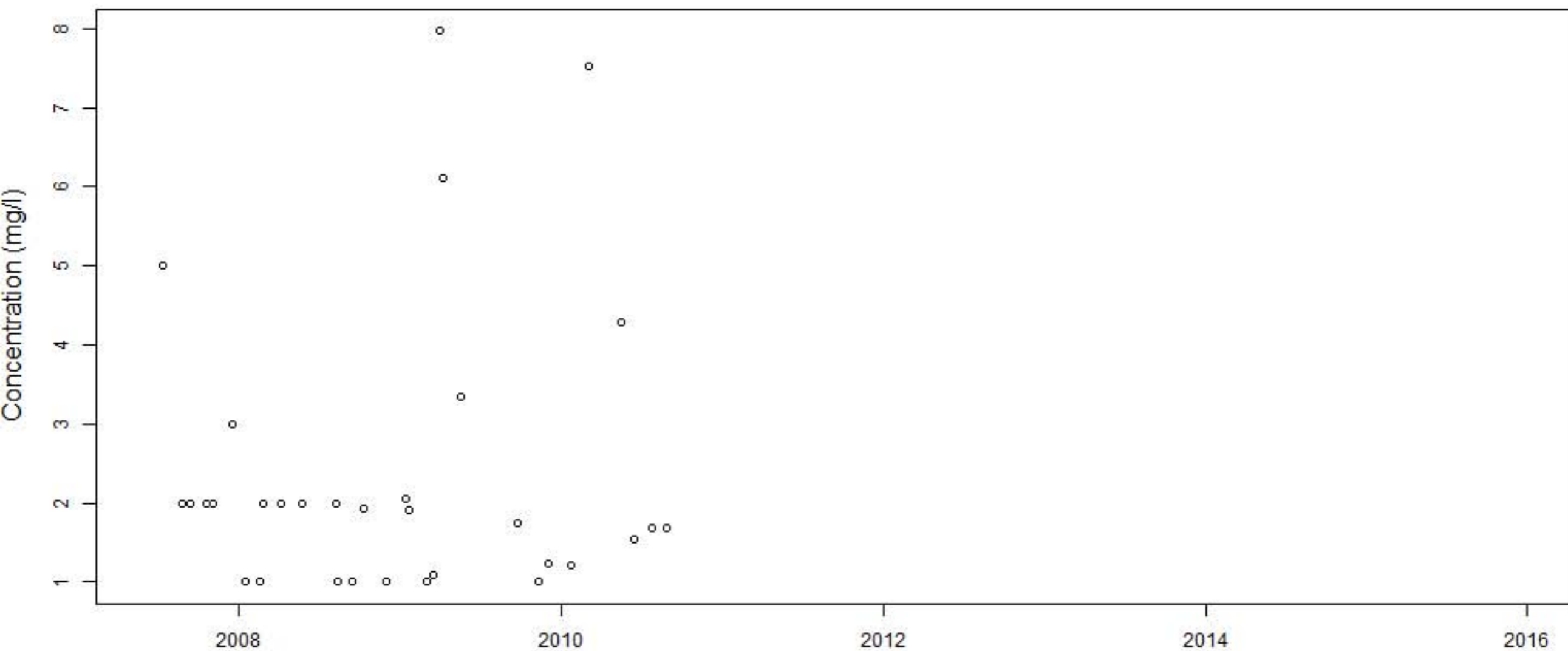
# BECY.4a.Grab



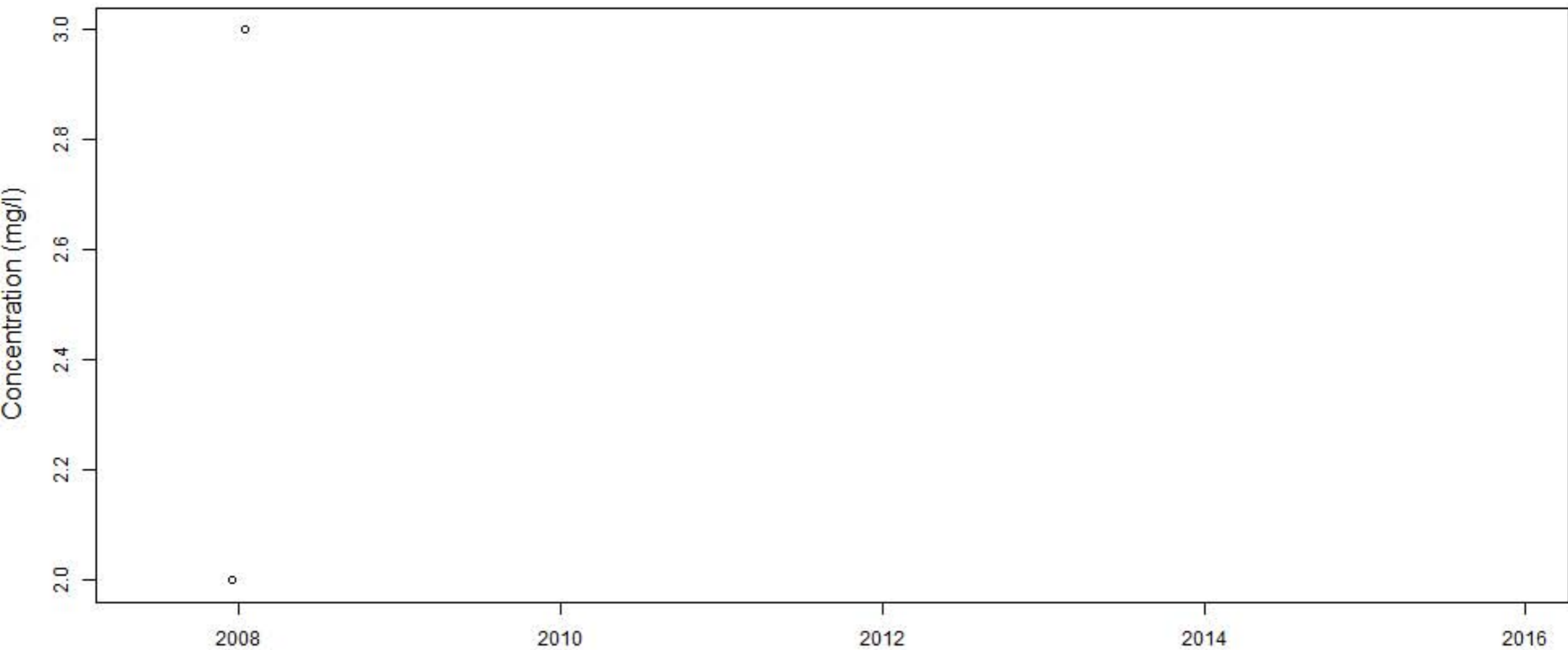
# BECY.4r



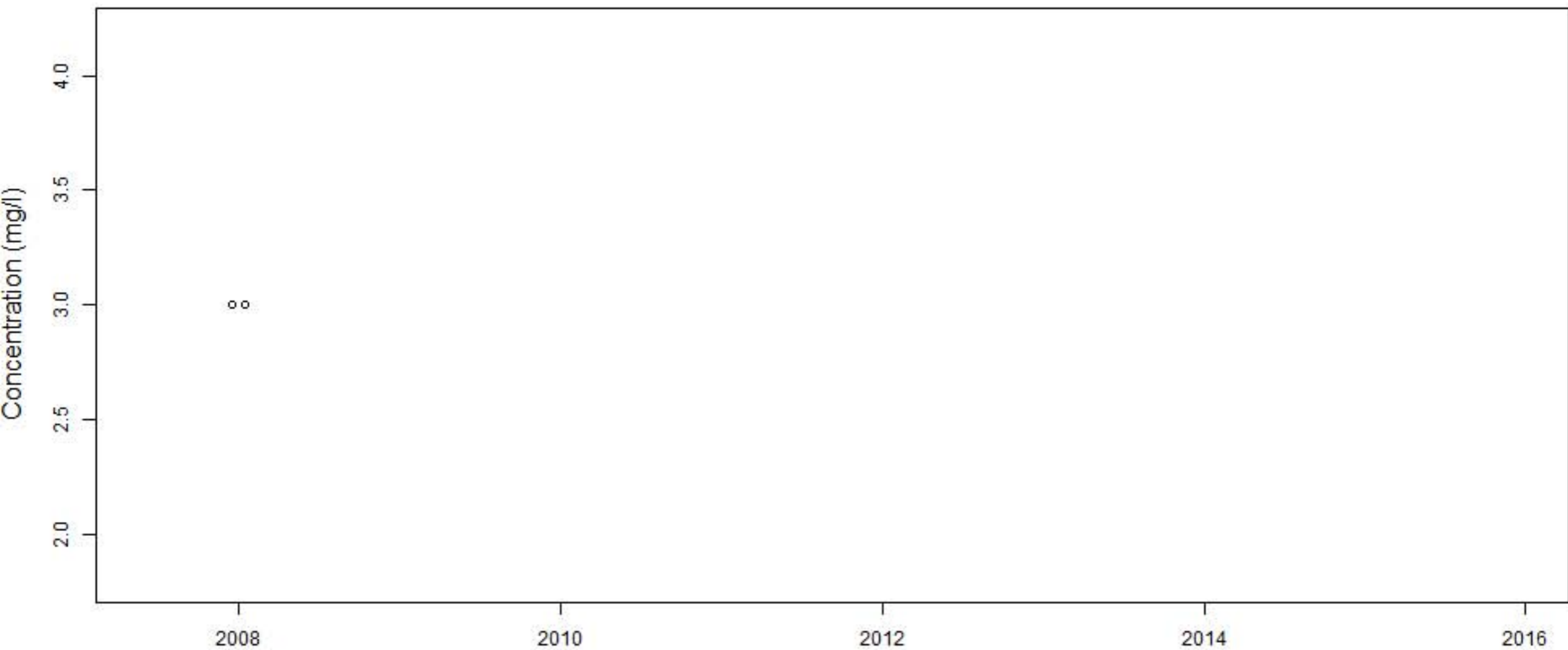
# BECY.5



# BECY.5A.Comp

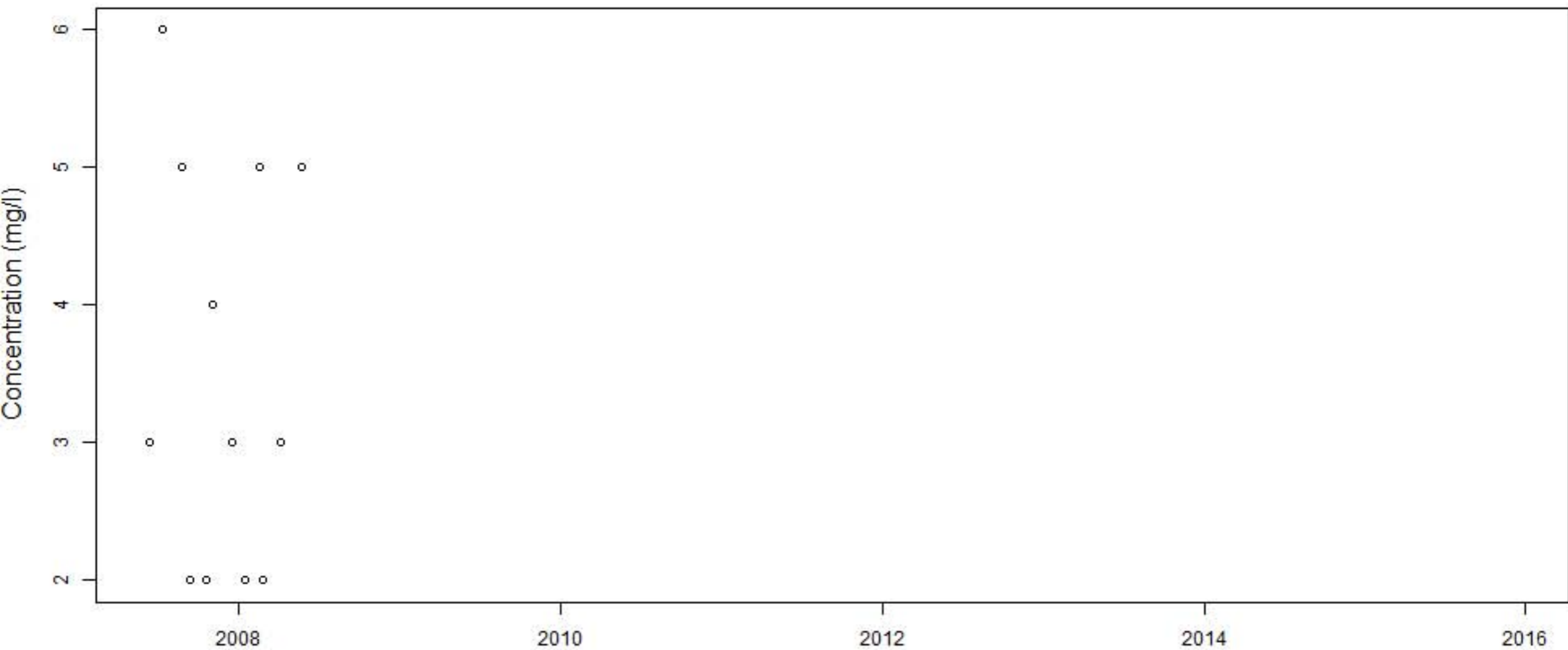


# BECY.5A.Grab

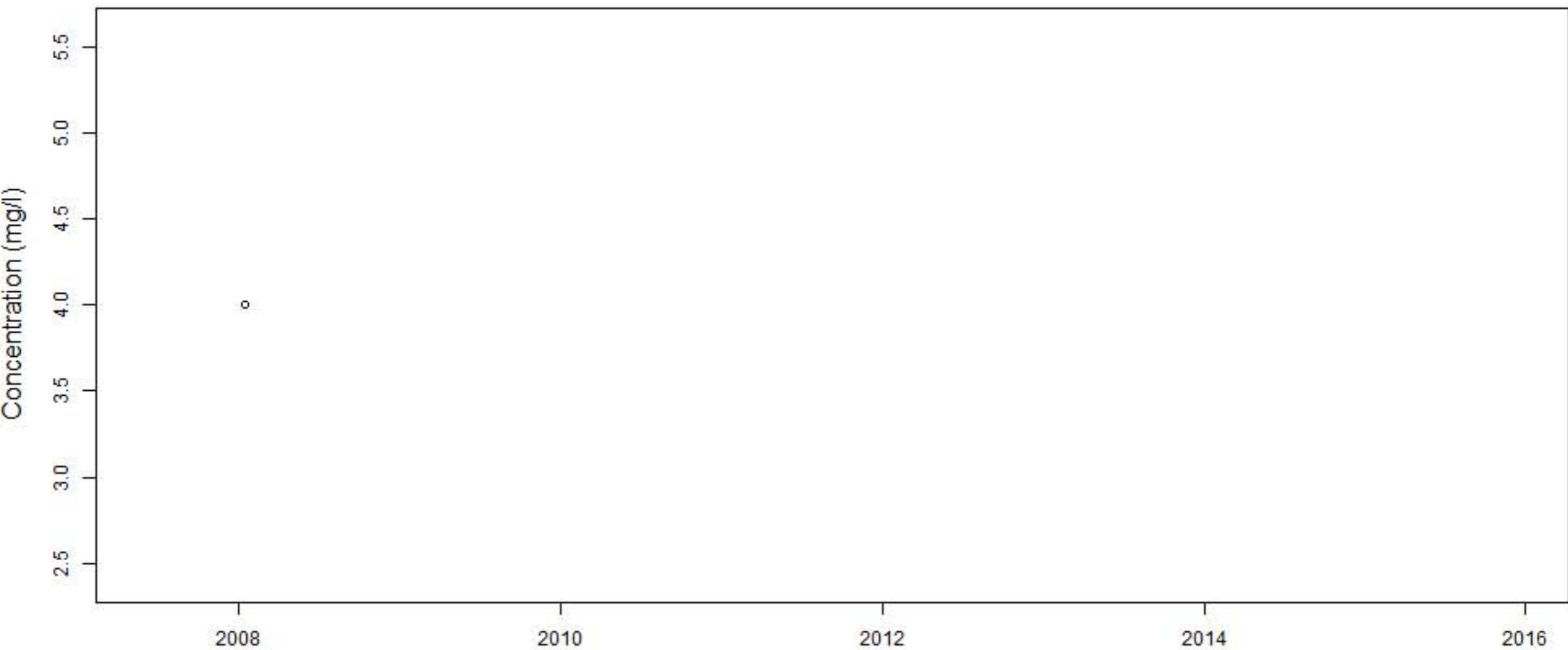




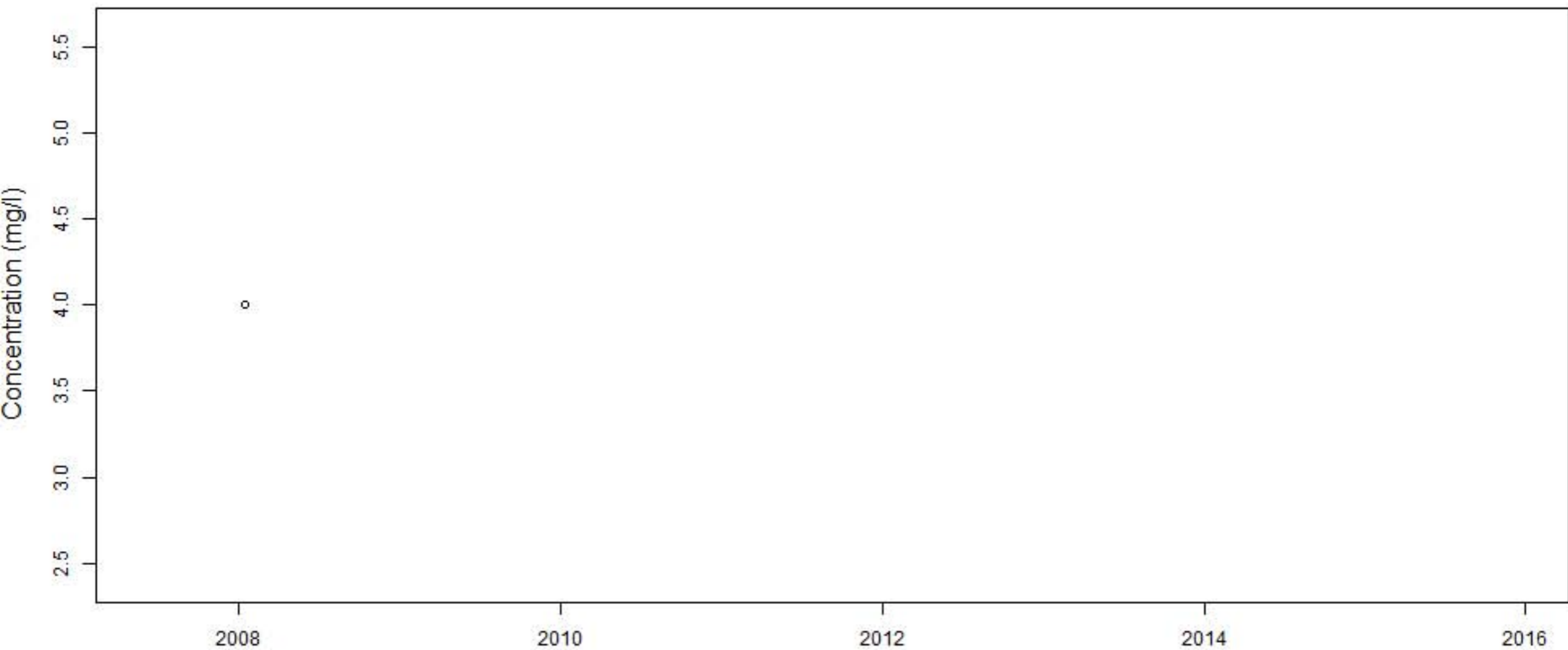
# BECY.6



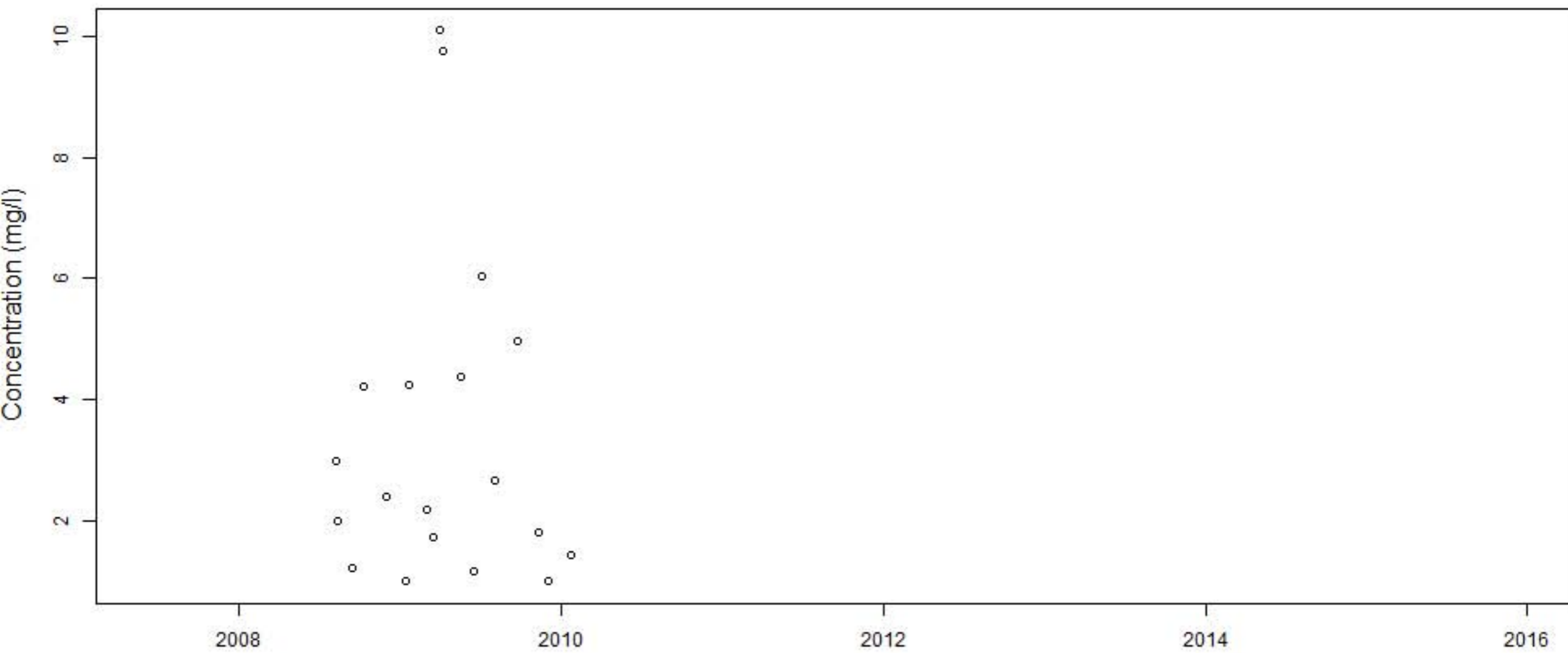
# BECY.6A.Comp



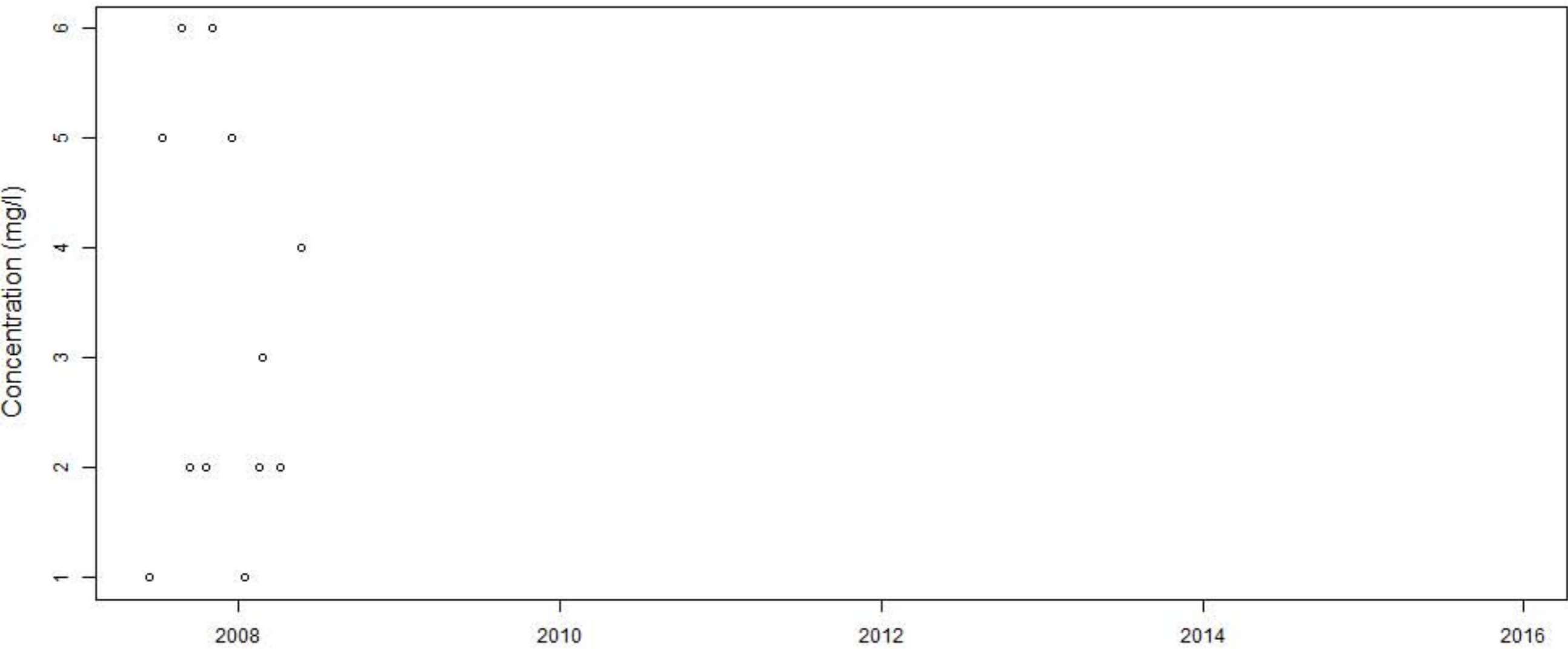
# BECY.6A.Grab



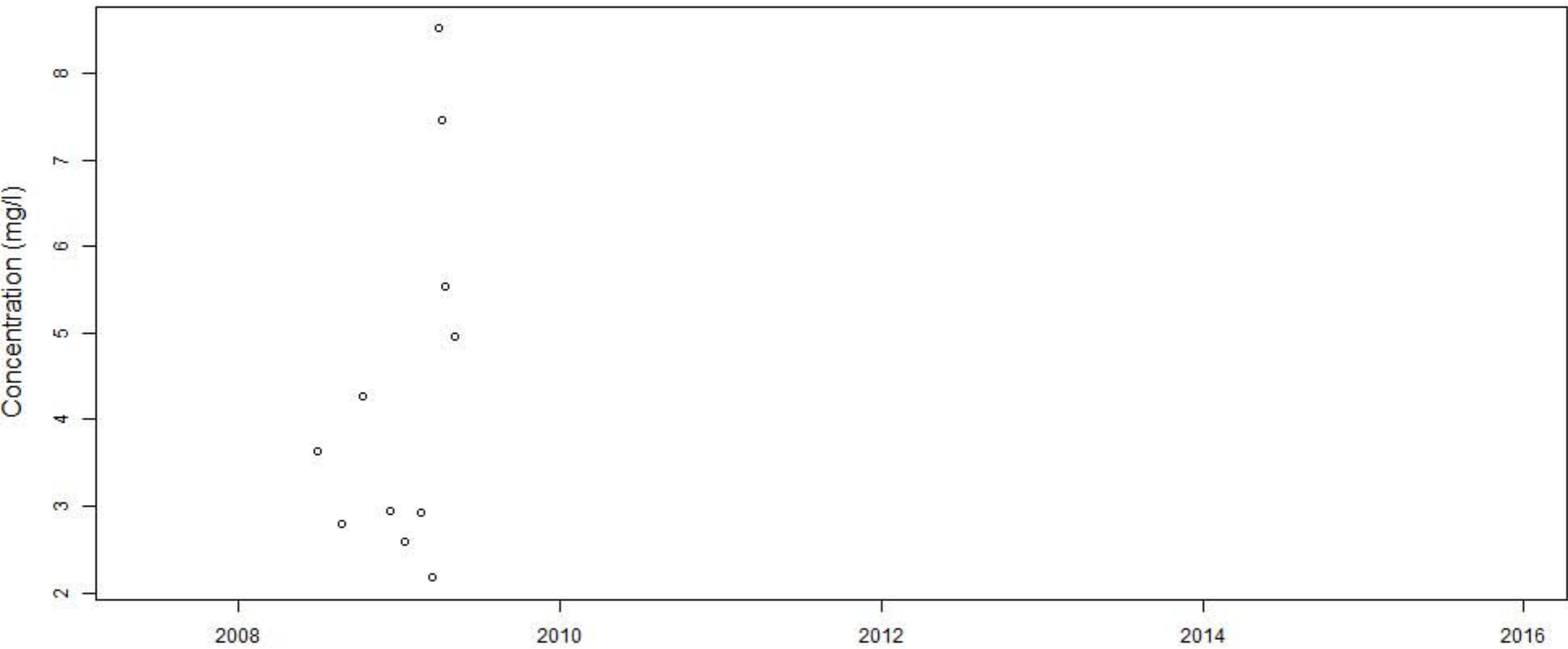
# BECY.6r



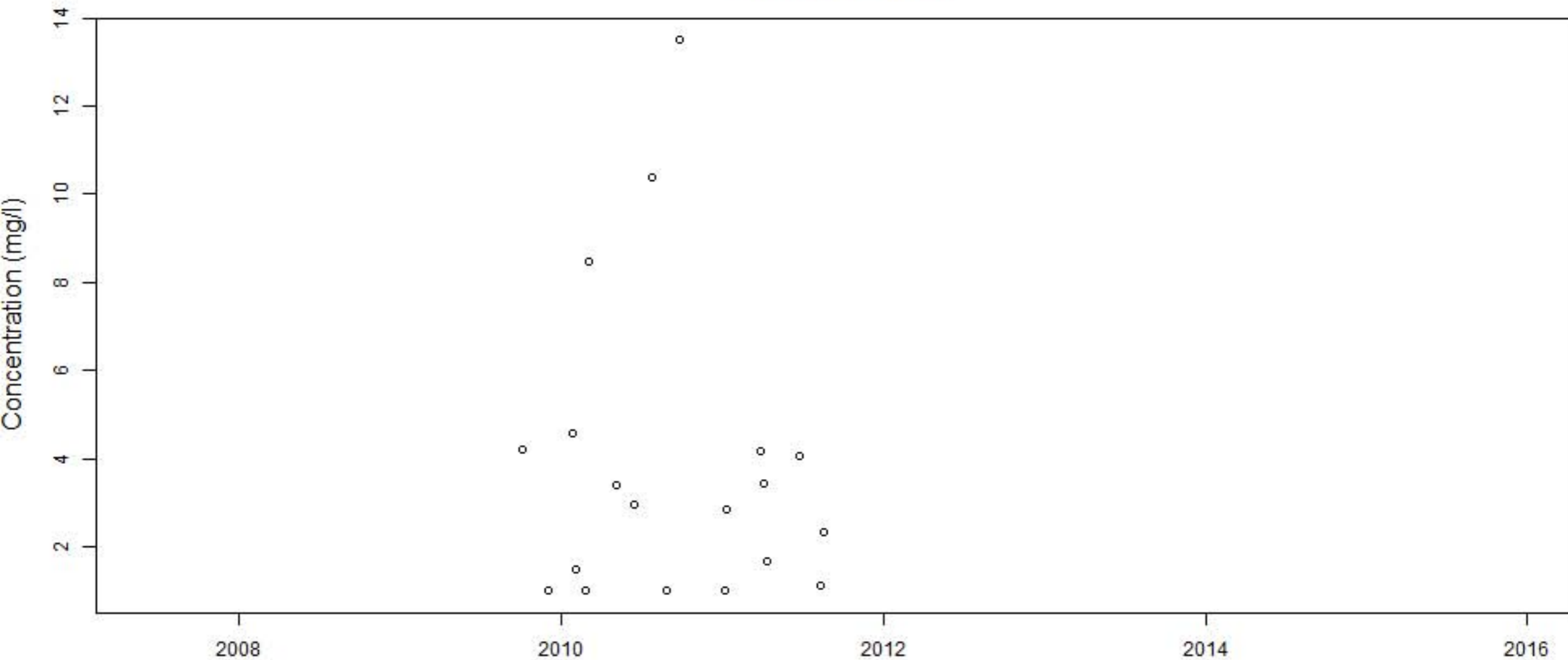
# BECY.7



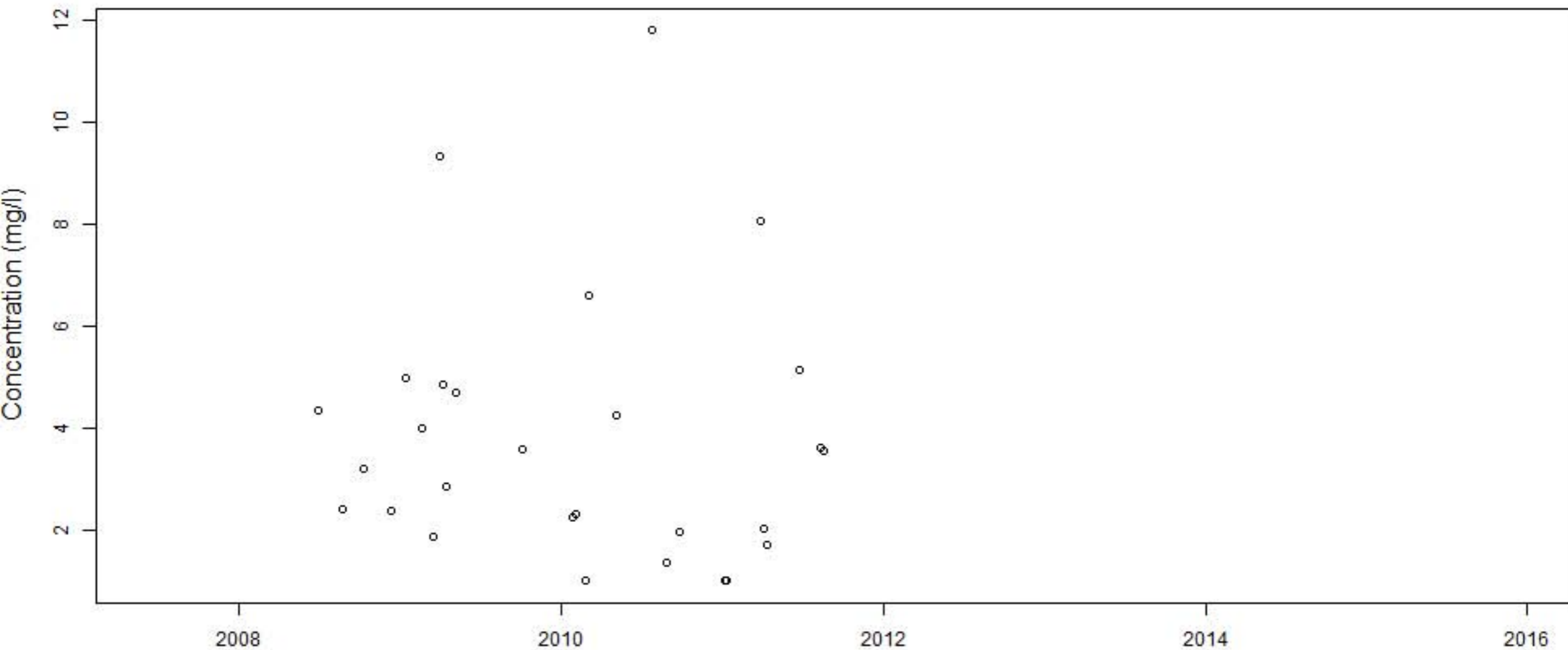
# BECY.7ra.Comp



**BECY.7ra.Grab.After**

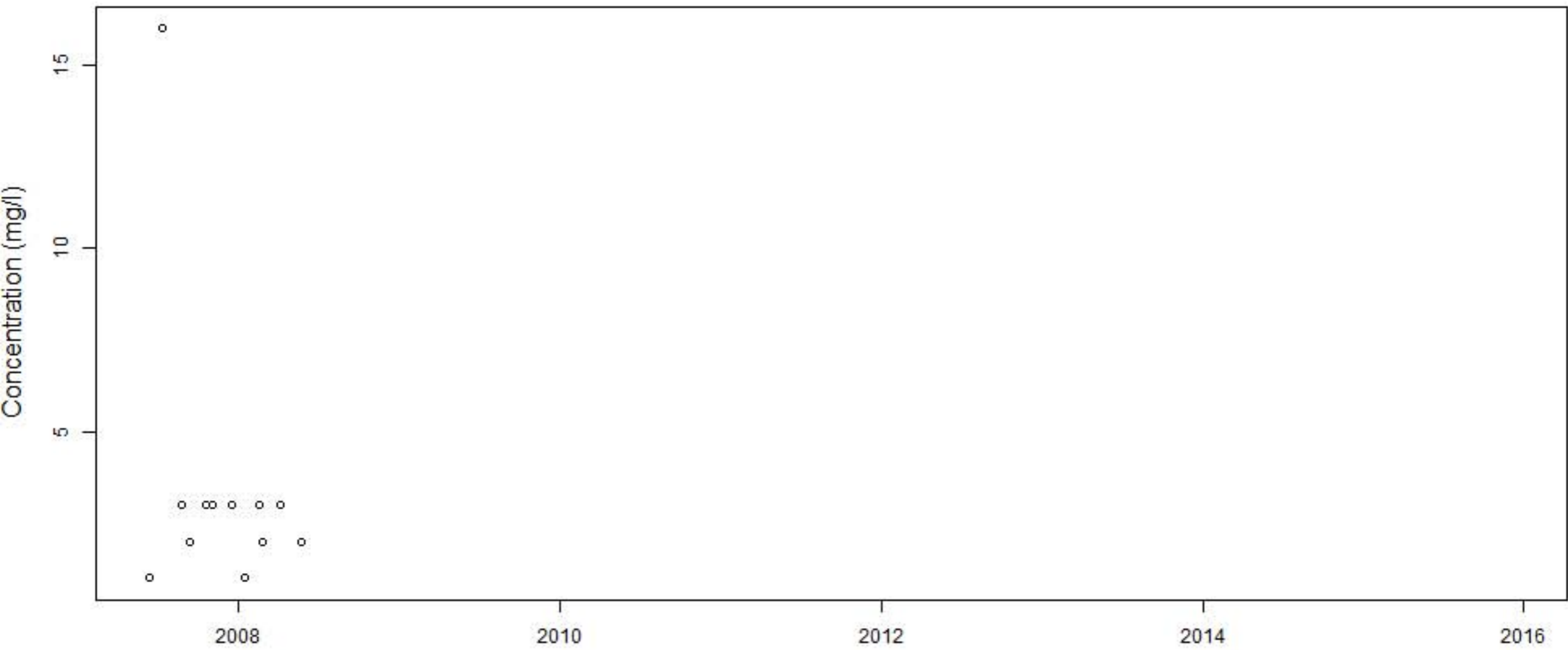


### BECY.7ra.Grab

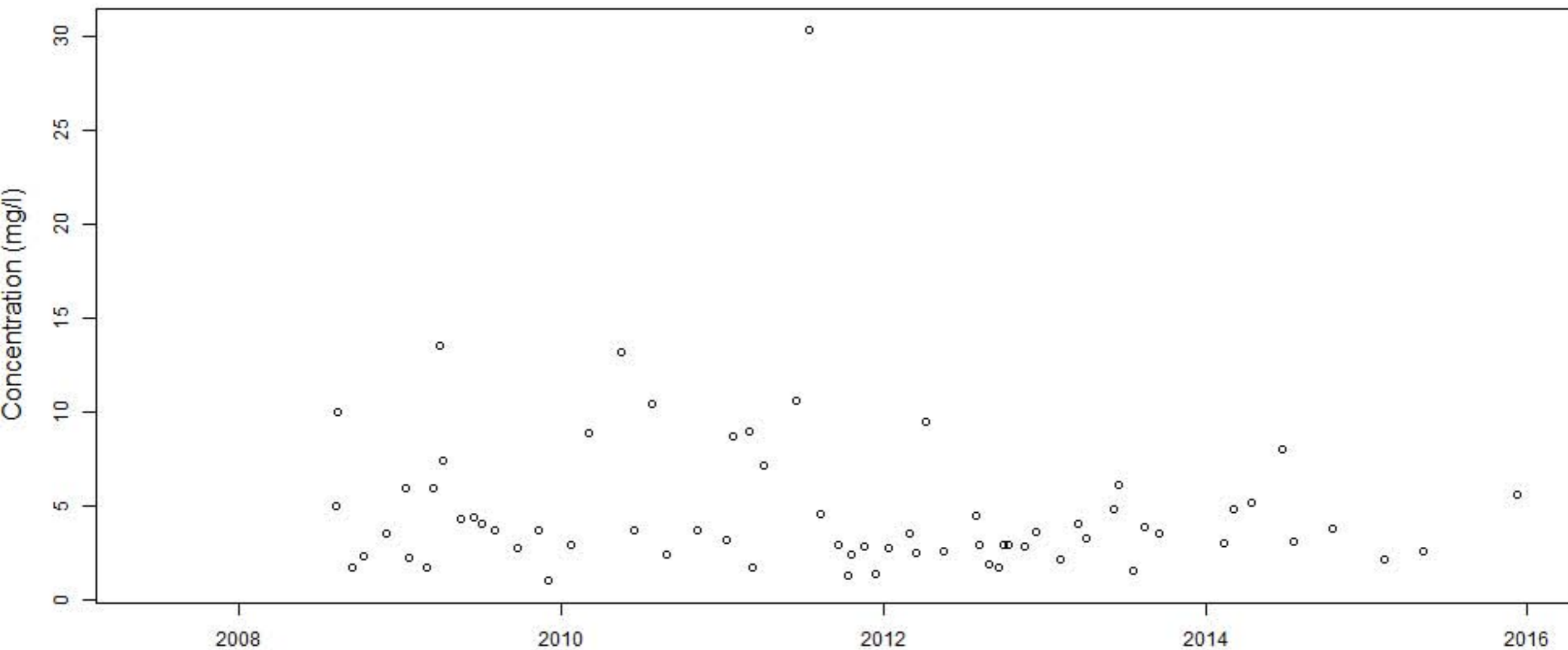




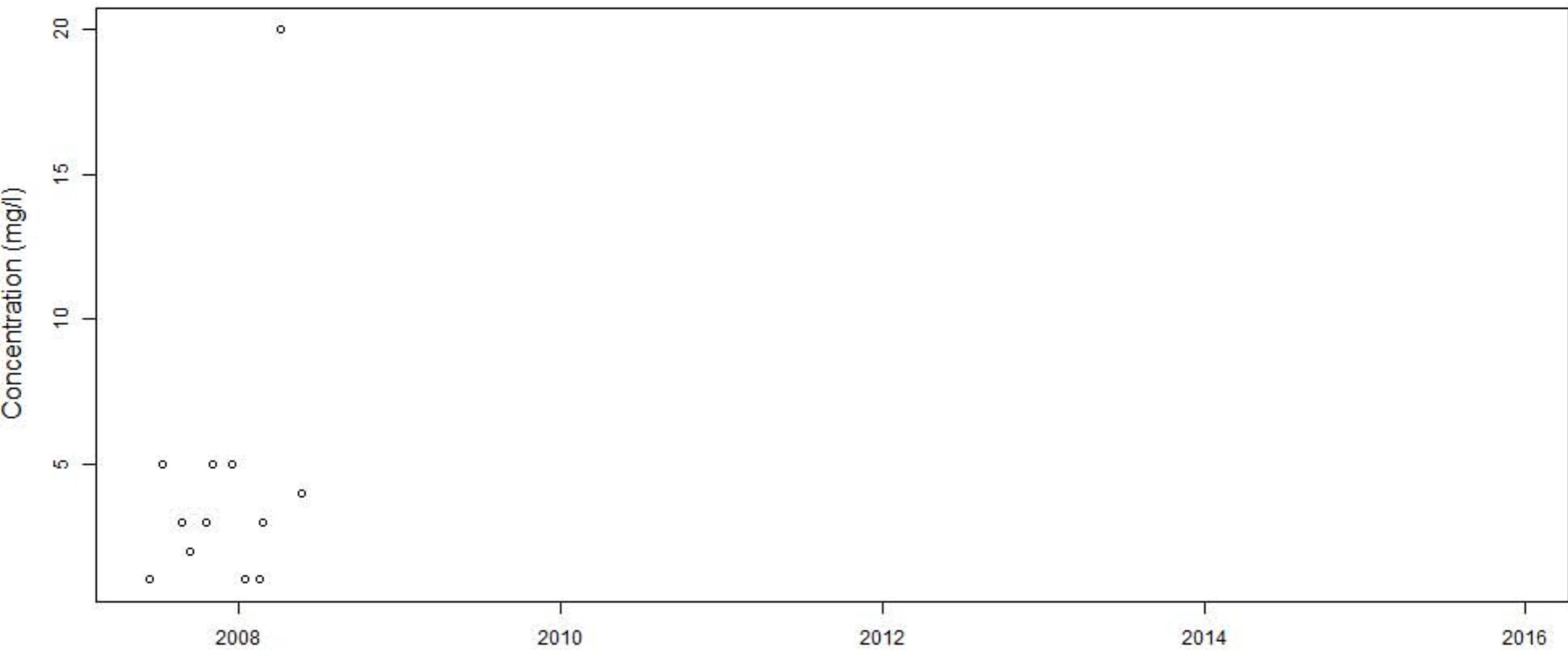
BECY.8



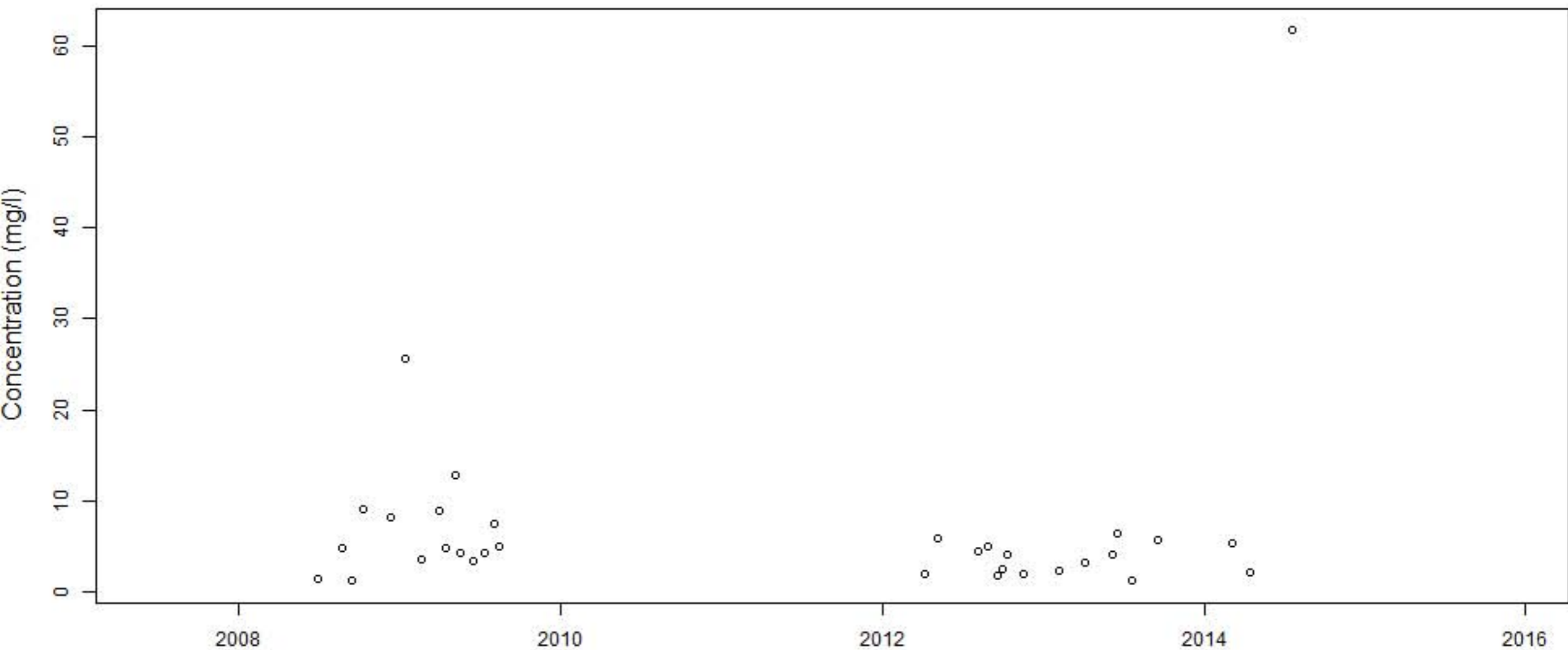
# BECY.8r



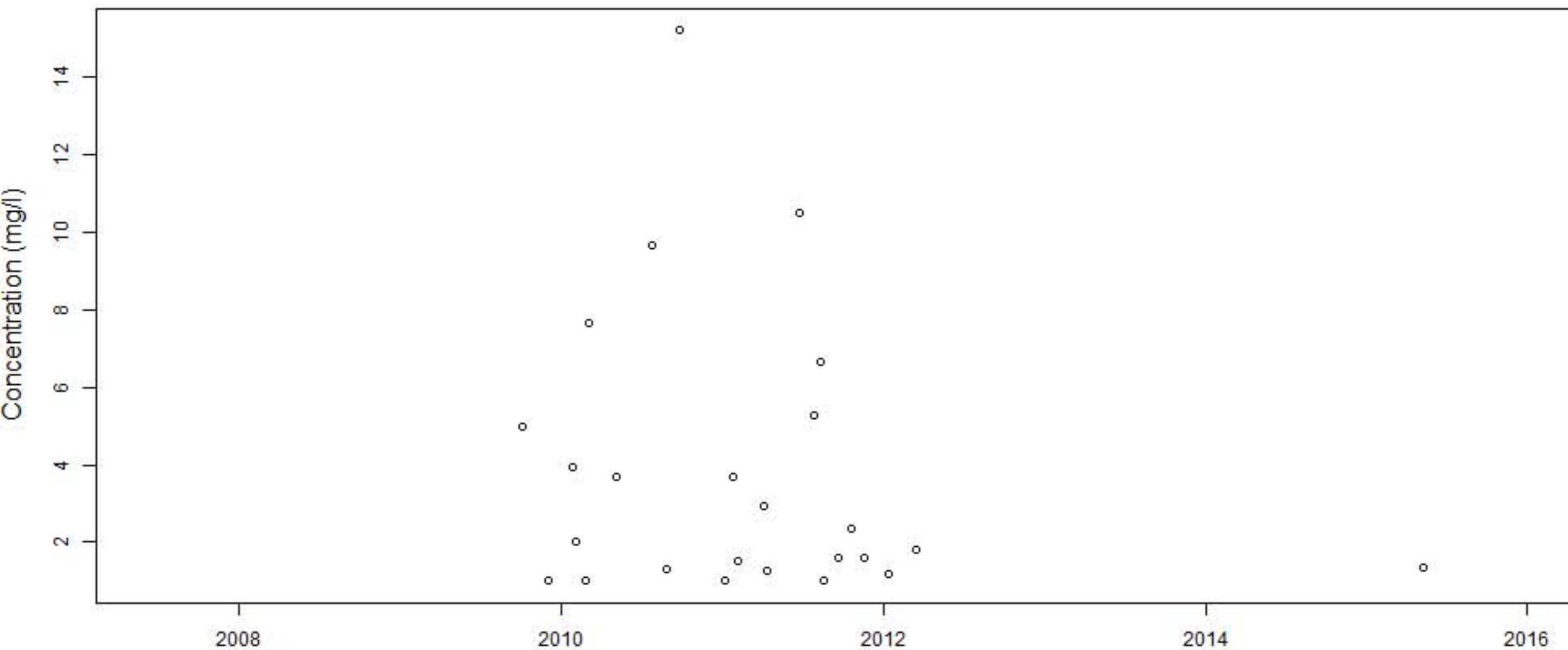
# BECY.9



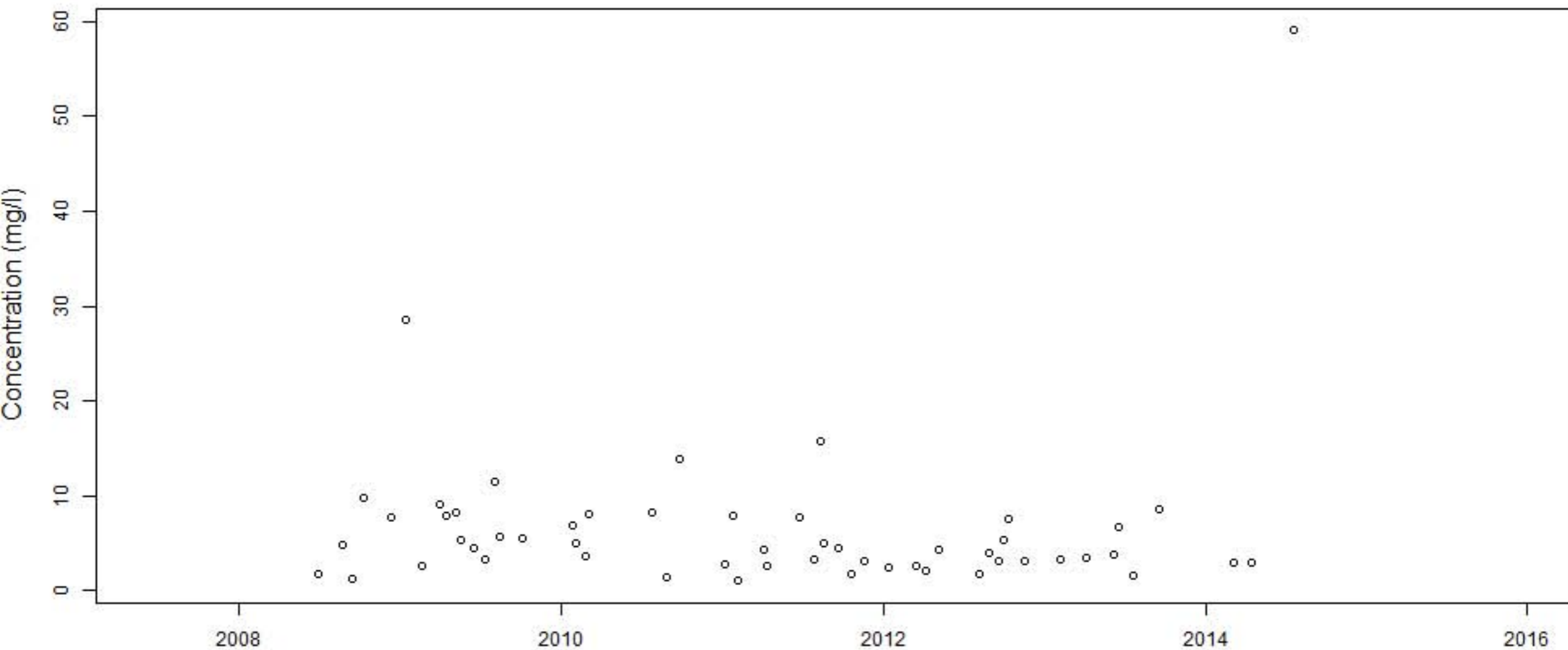
# BECY.9ra.Comp



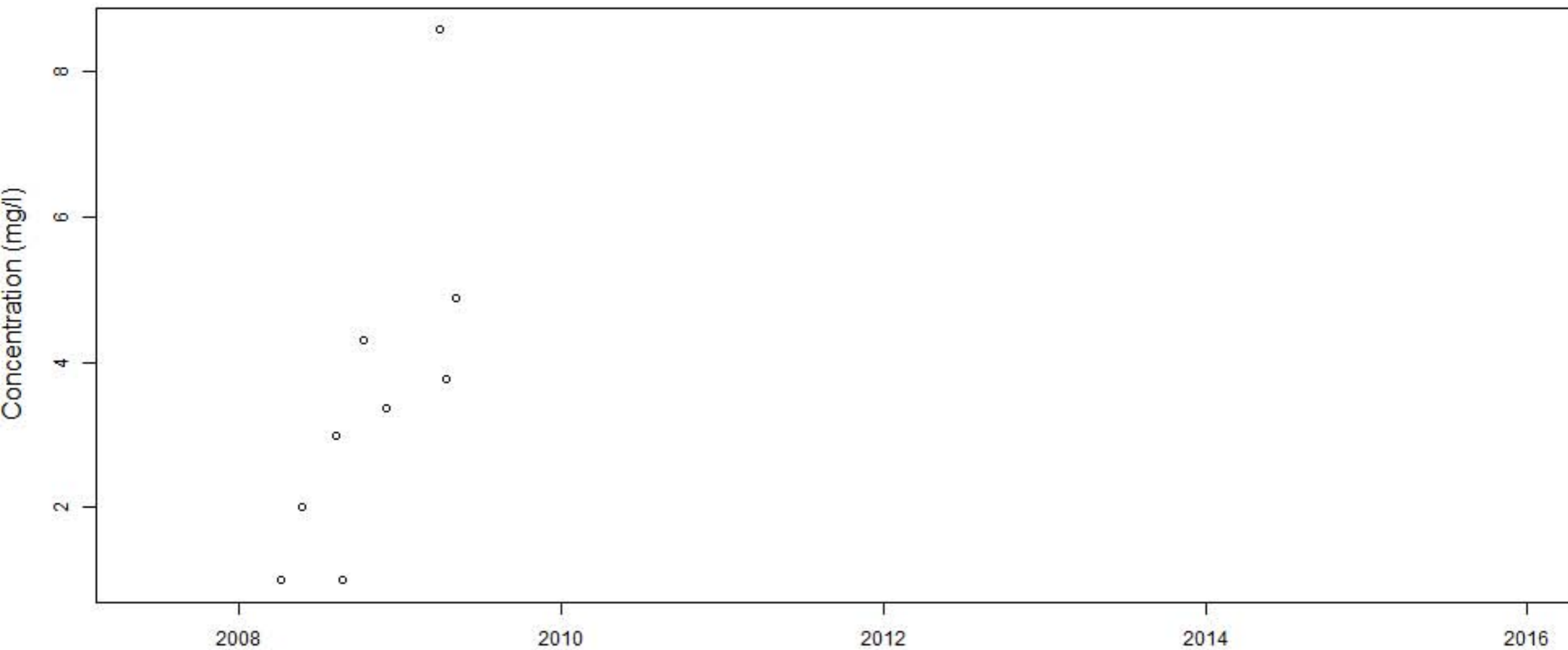
BECY.9ra.Grab.After



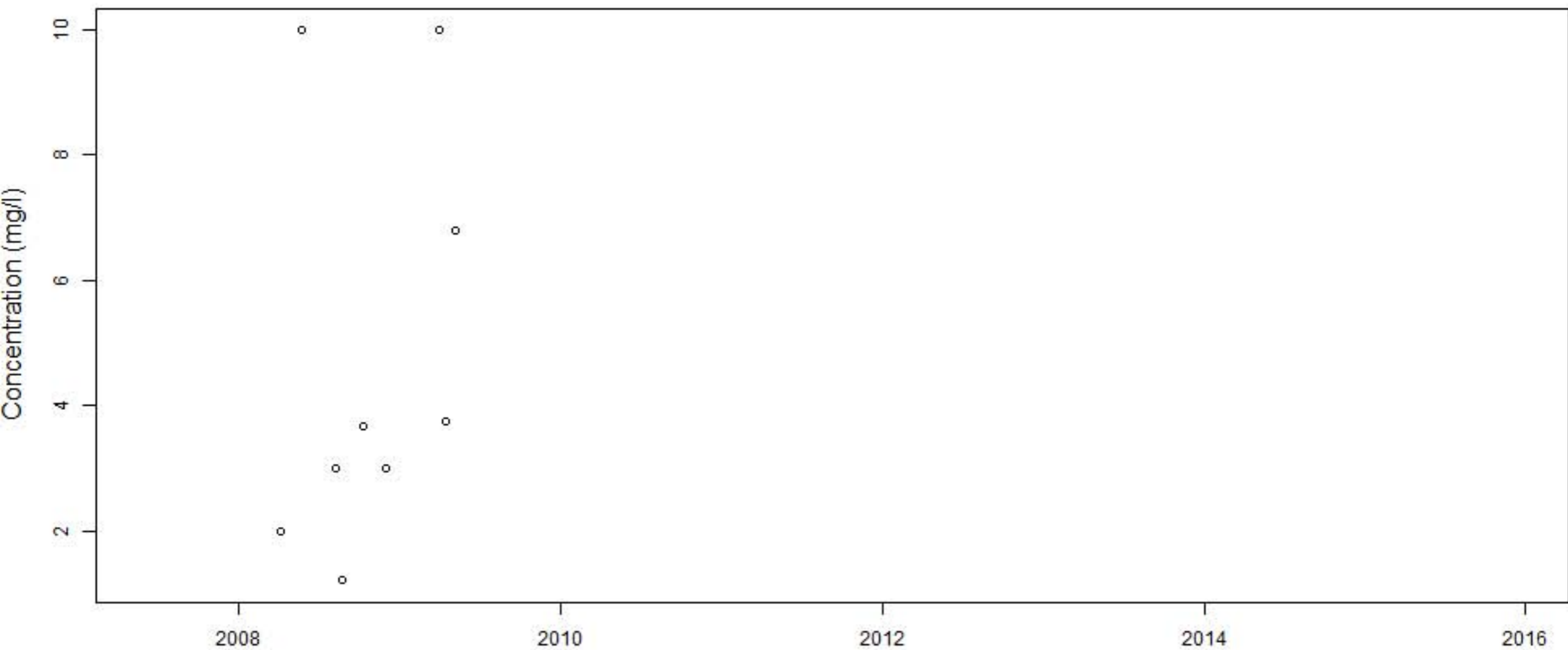
### BECY.9ra.Grab



# BM Pep...IN.COMP

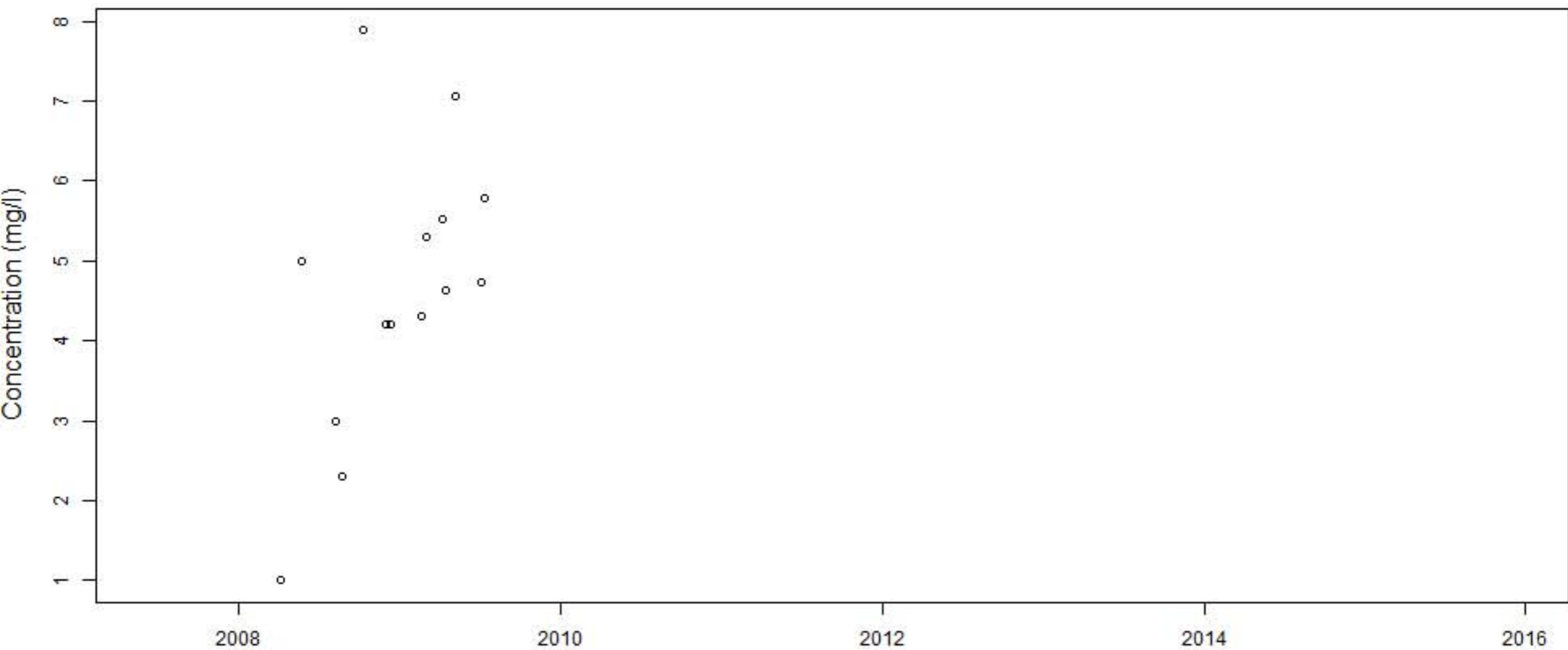


# BM Pep...IN.GRAB

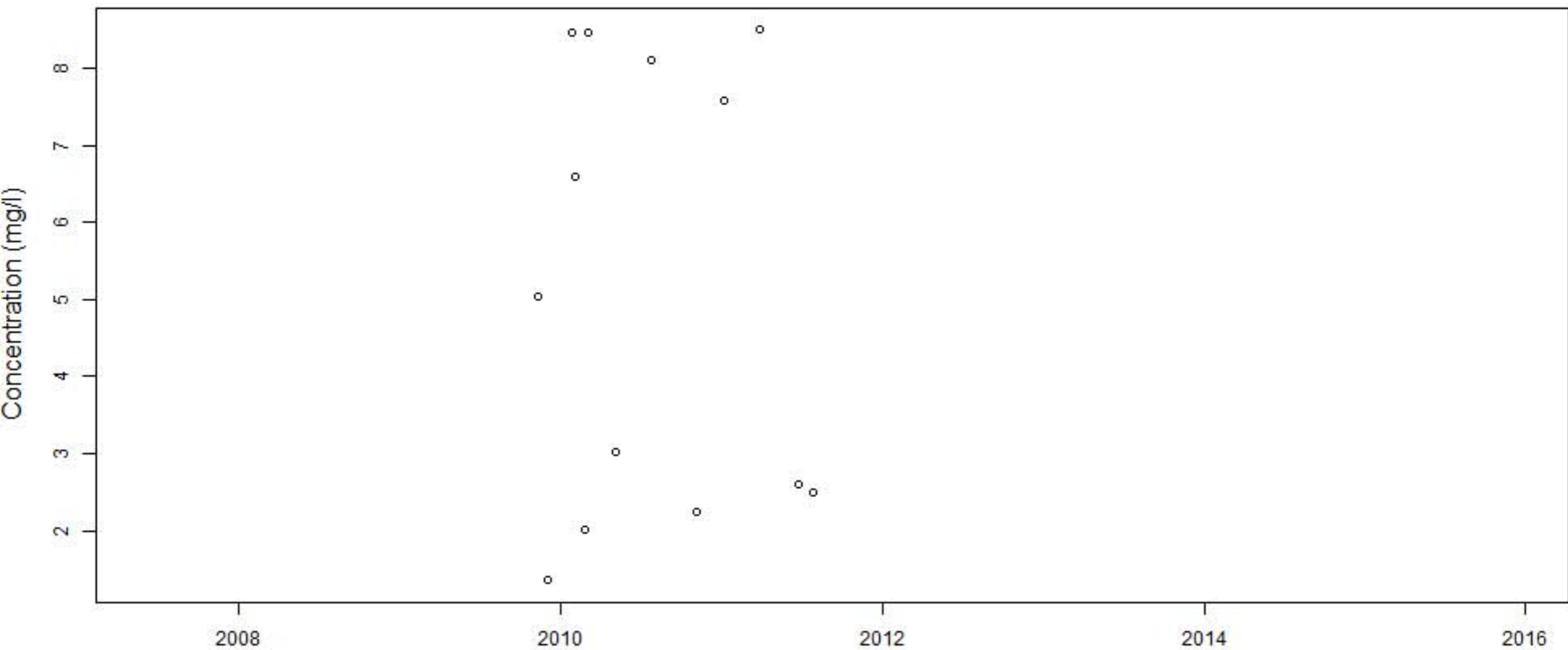




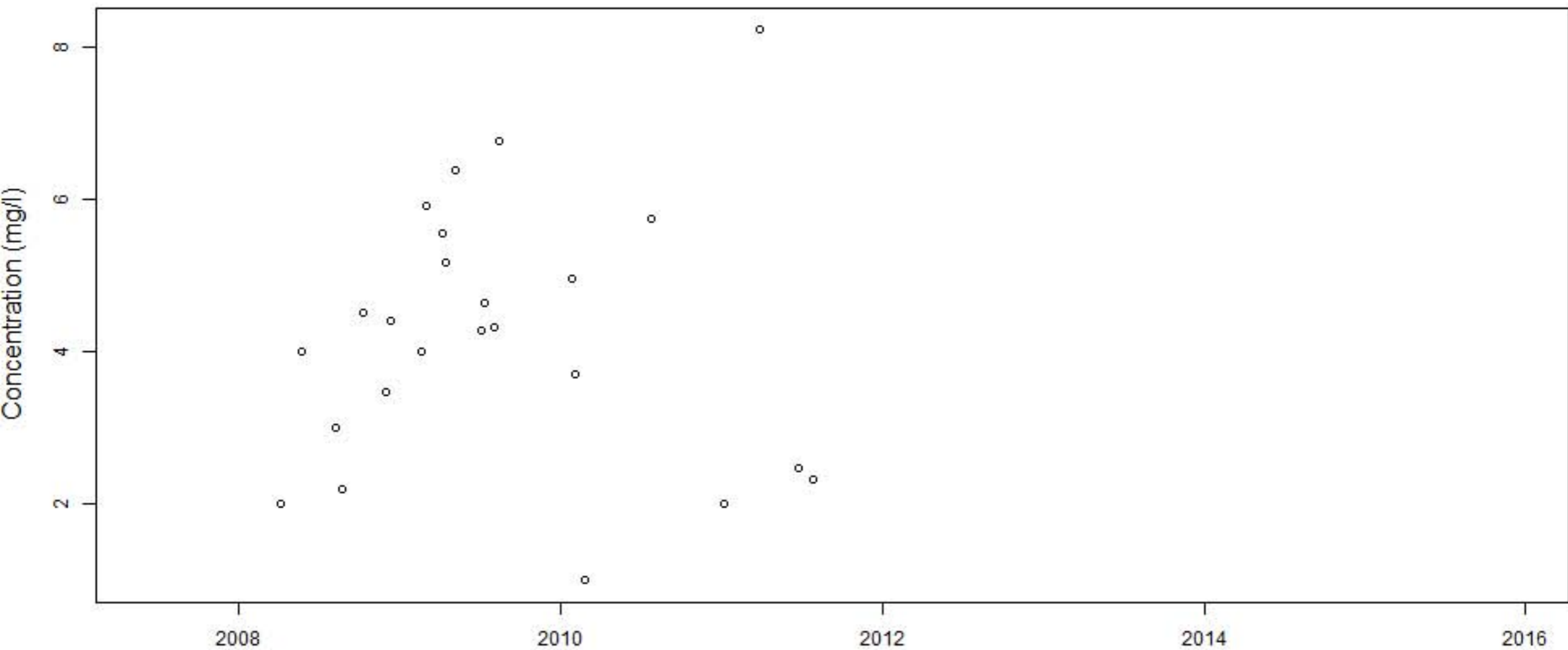
# BM Pep...OUT.COMP



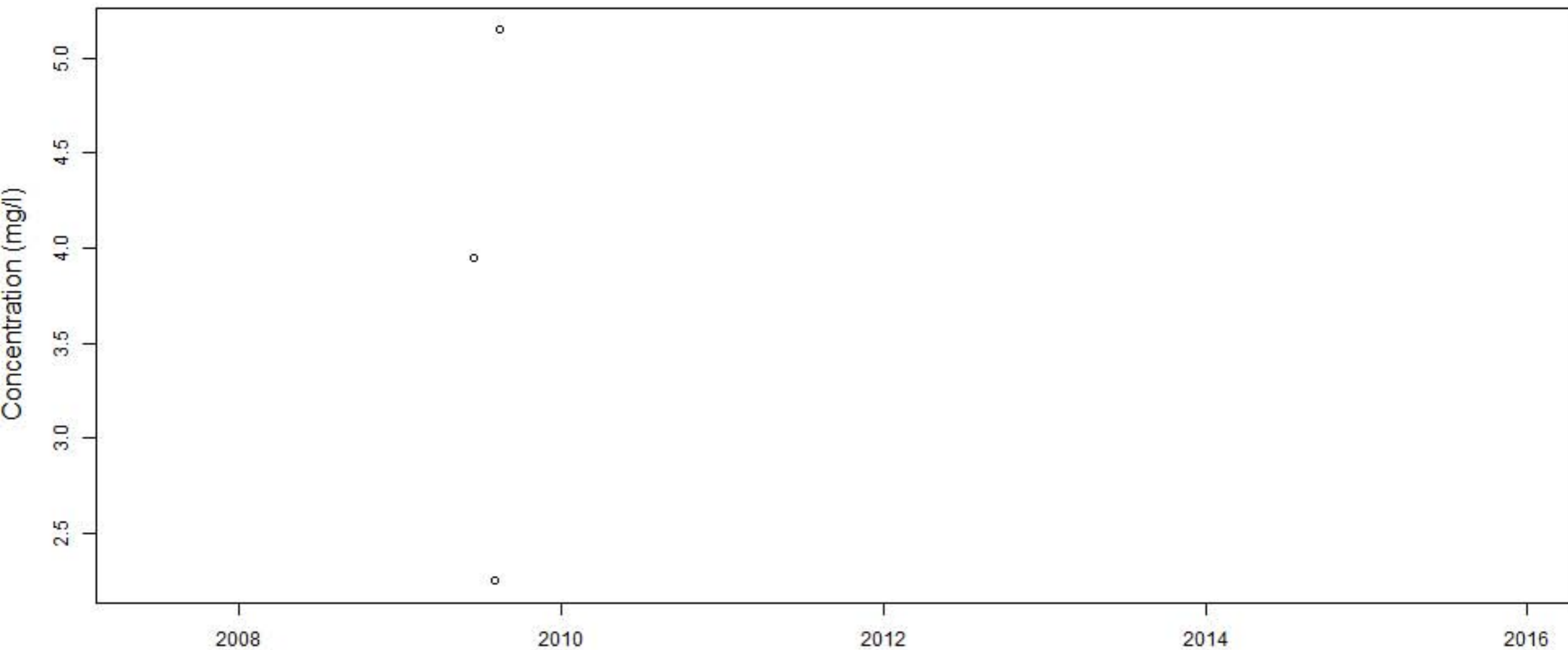
BMPep...OUT.GRAB.After



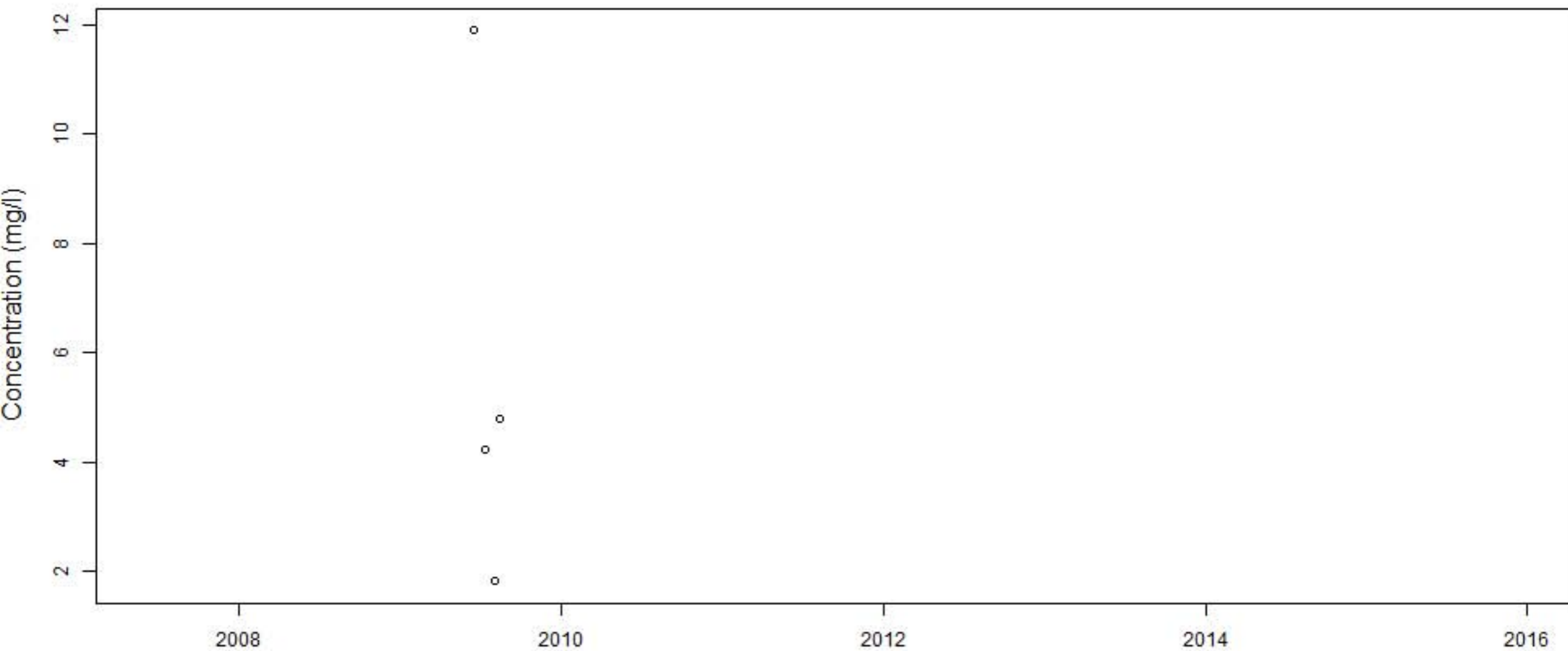
# BM Pep...OUT.GRAB



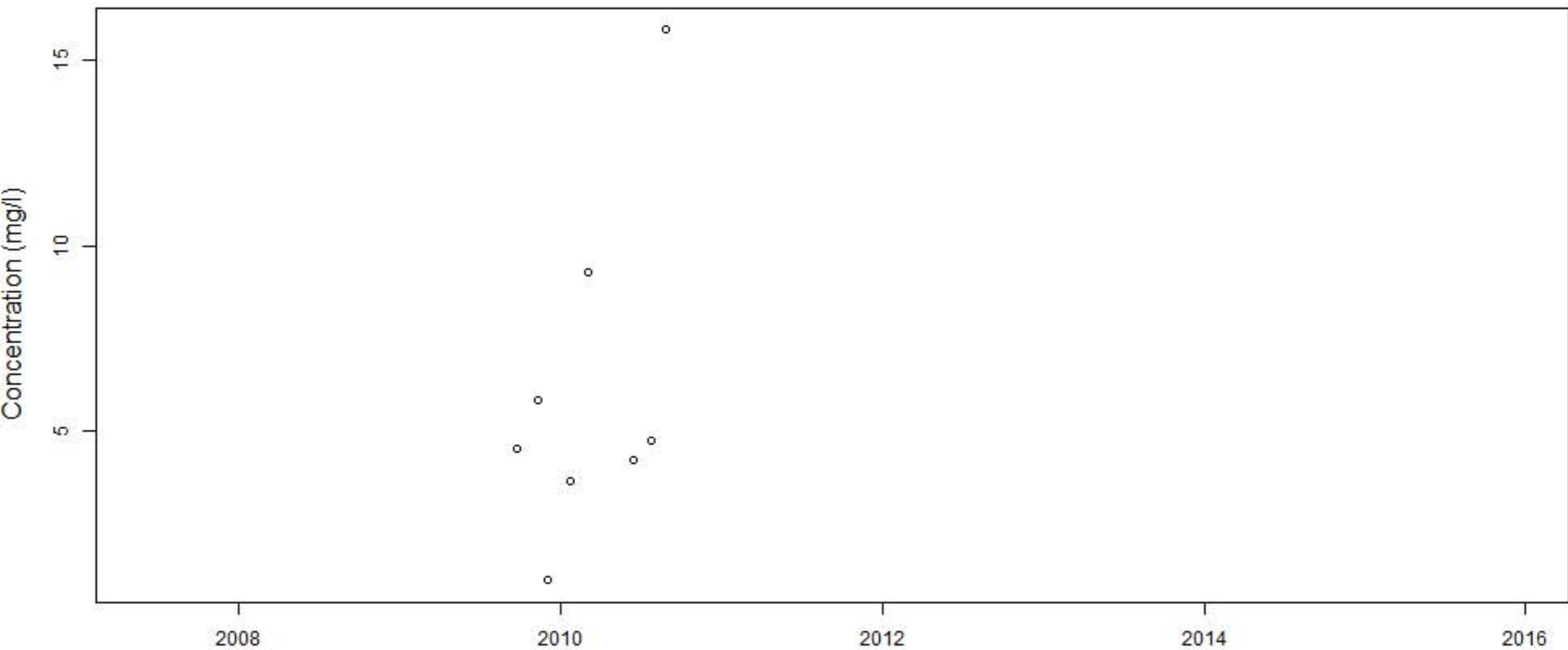
# Christine.Place.Comp



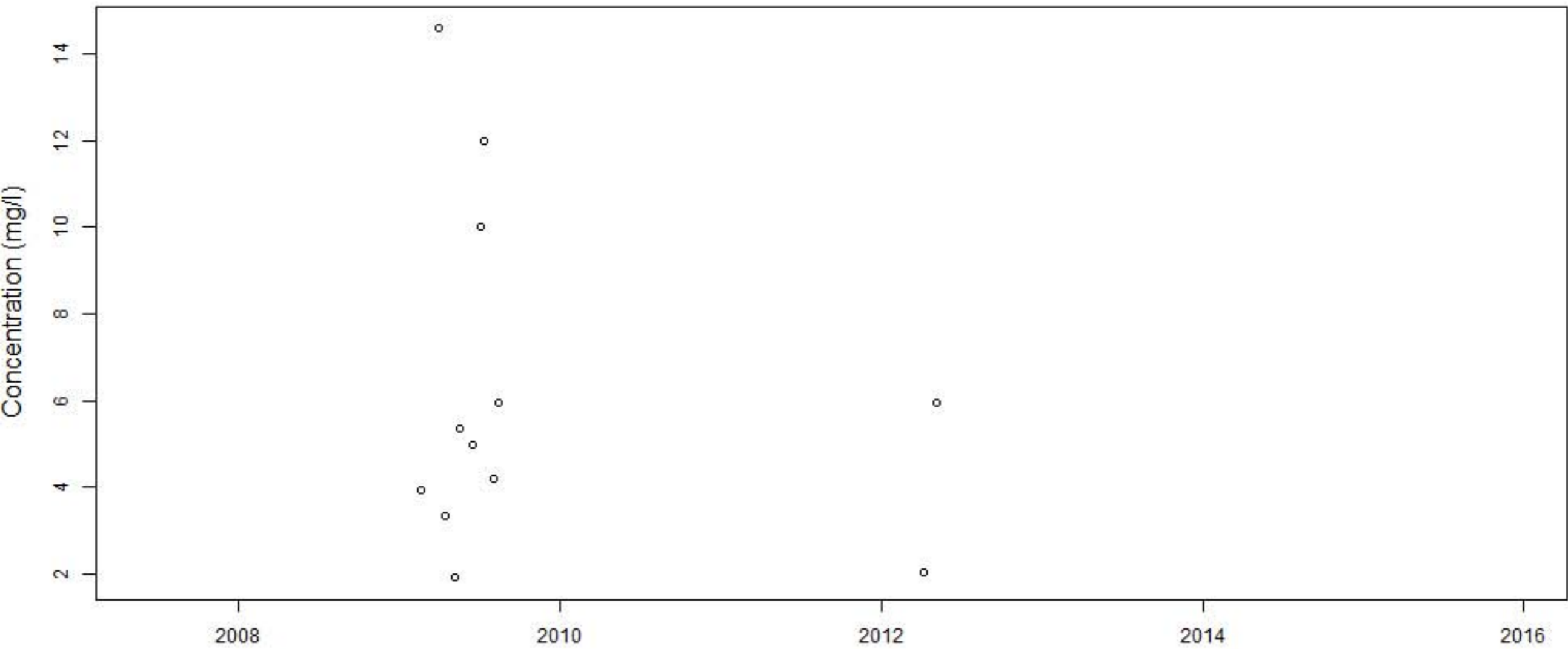
# Christine.Place.Grab



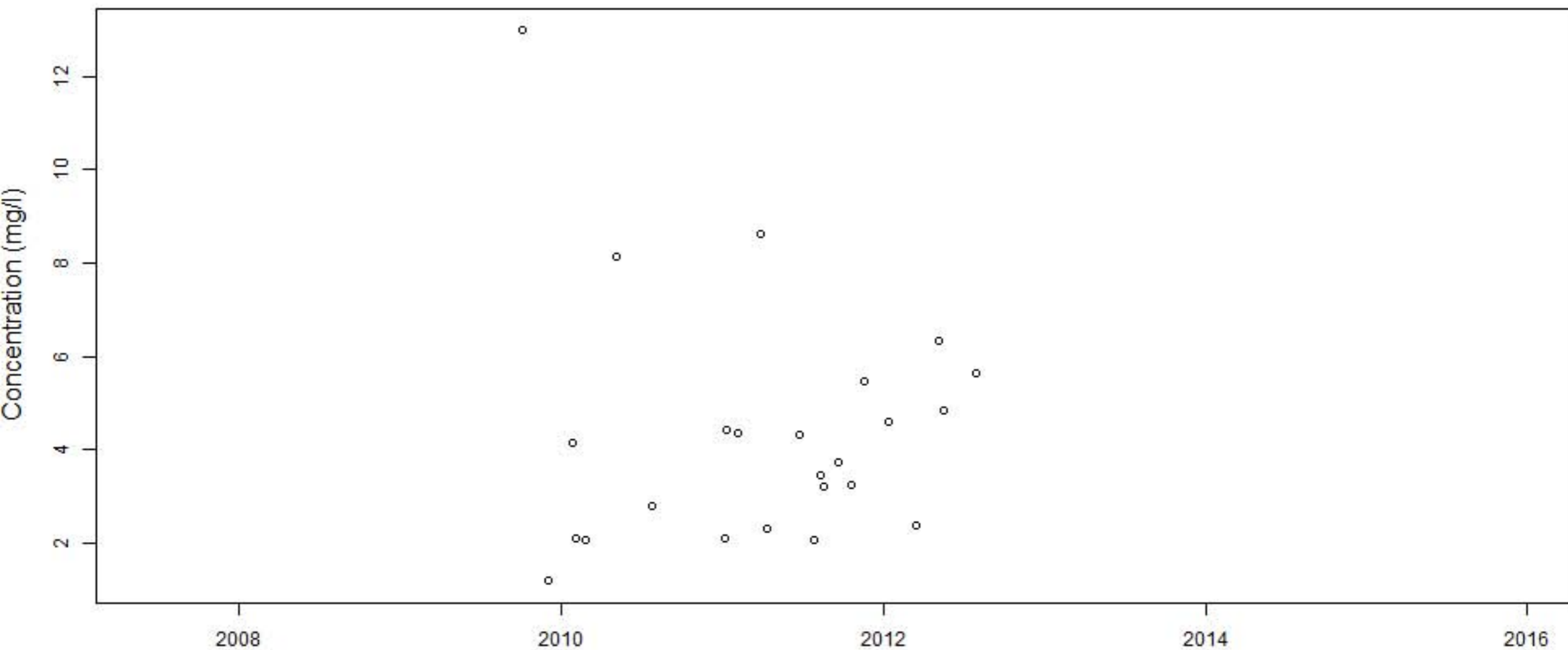
# Christine.Place.R



# Southside.Comp

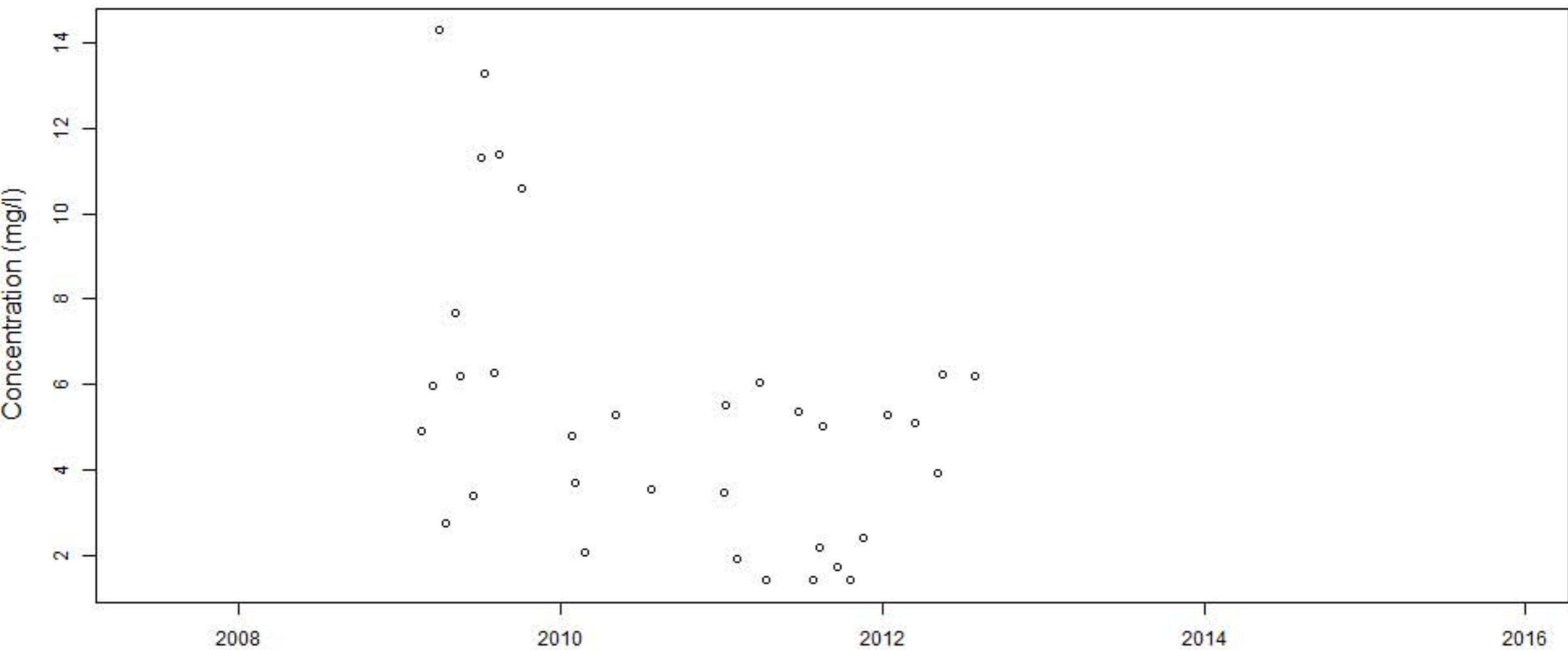


### Southside.Grab.After



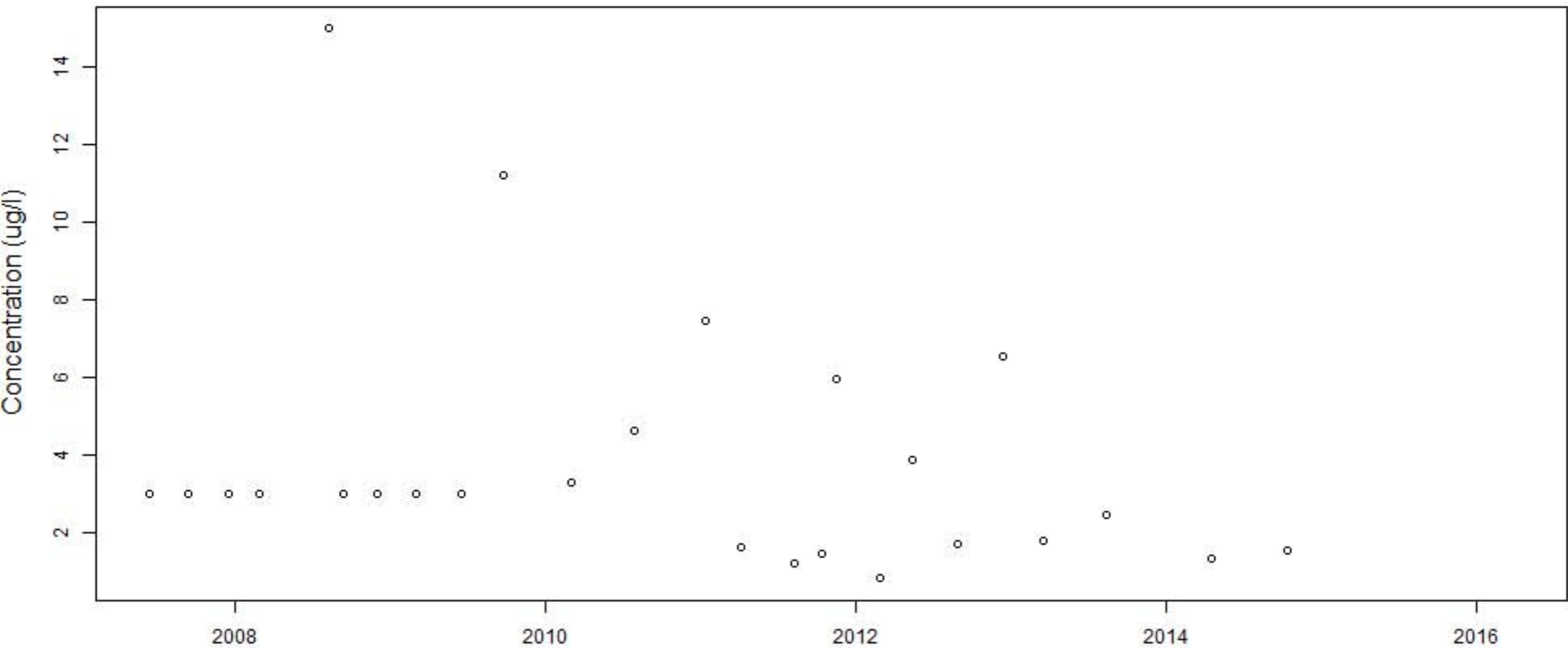


### Southside.Grab

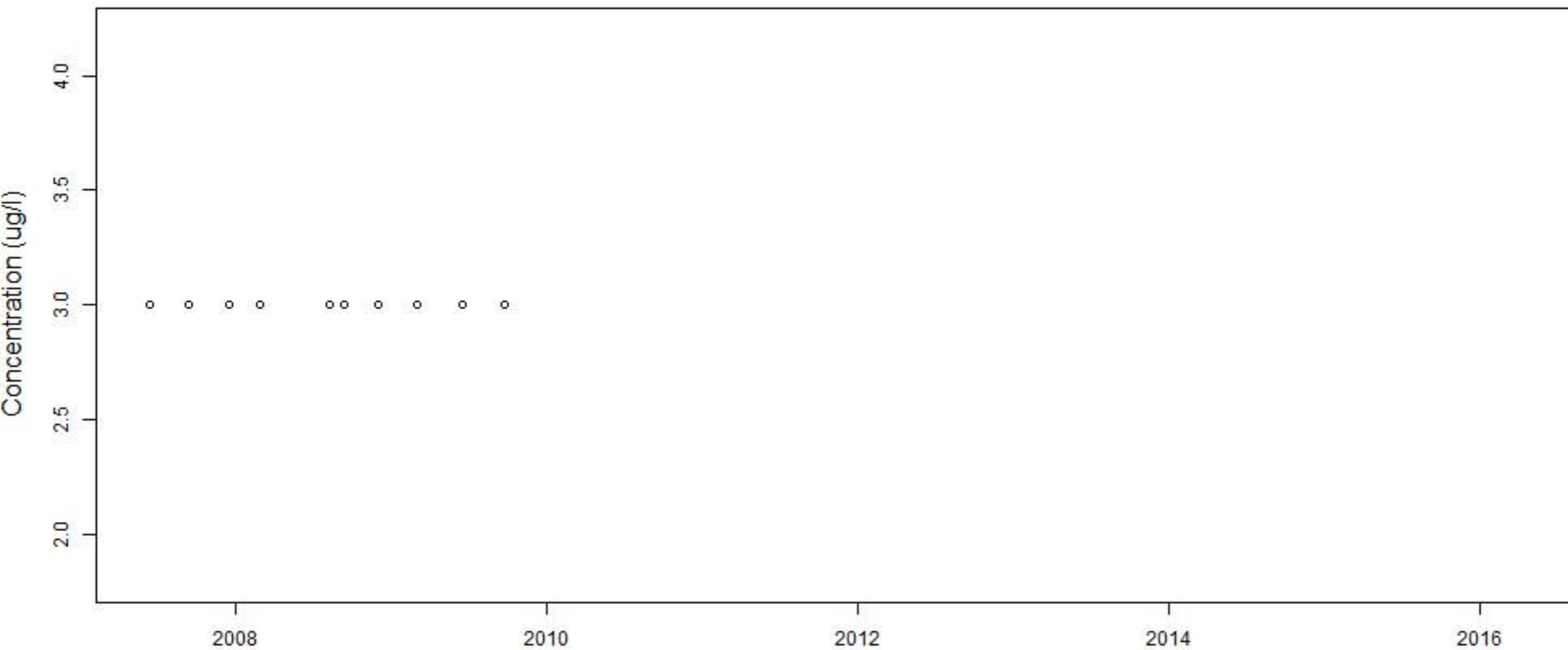


Timeseries of  
Copper  
Water Quality Data  
Collected at  
Beaufort County Stations

# BECY.1

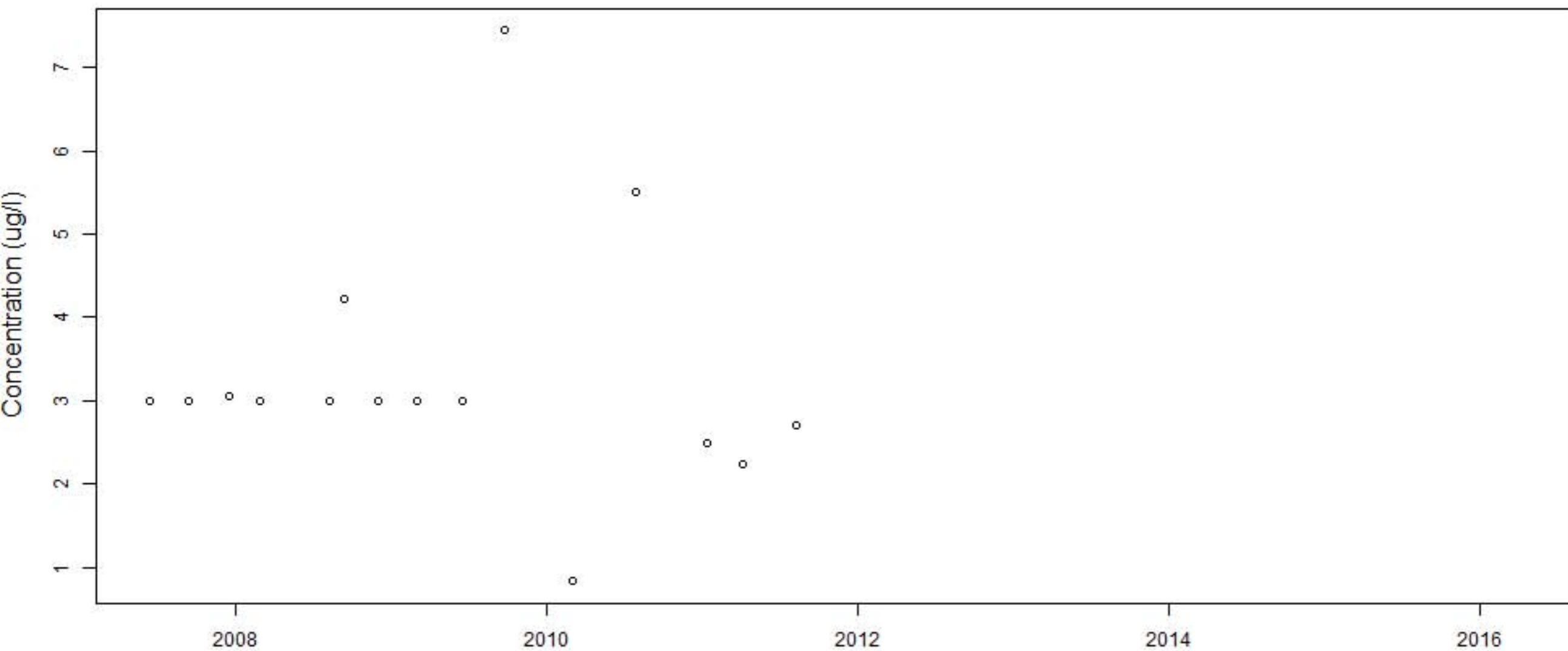


# BECY.10

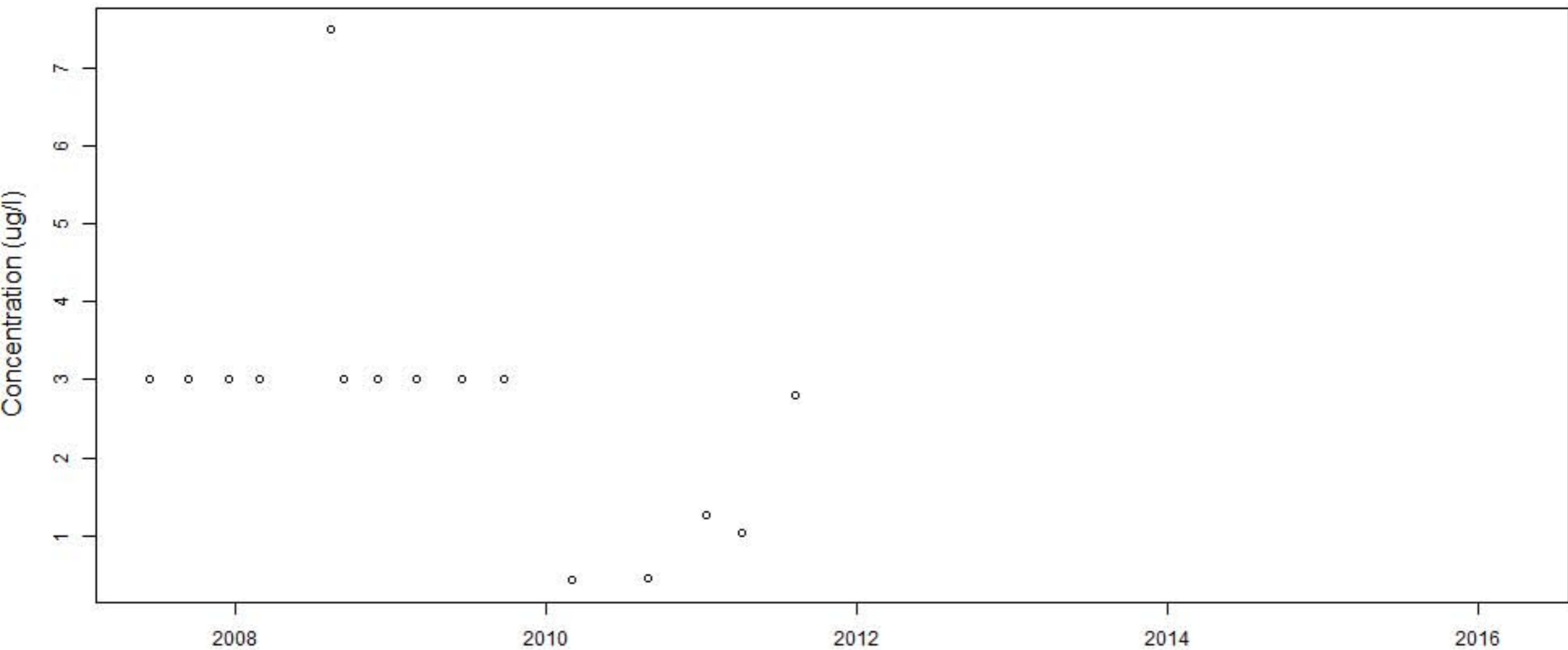




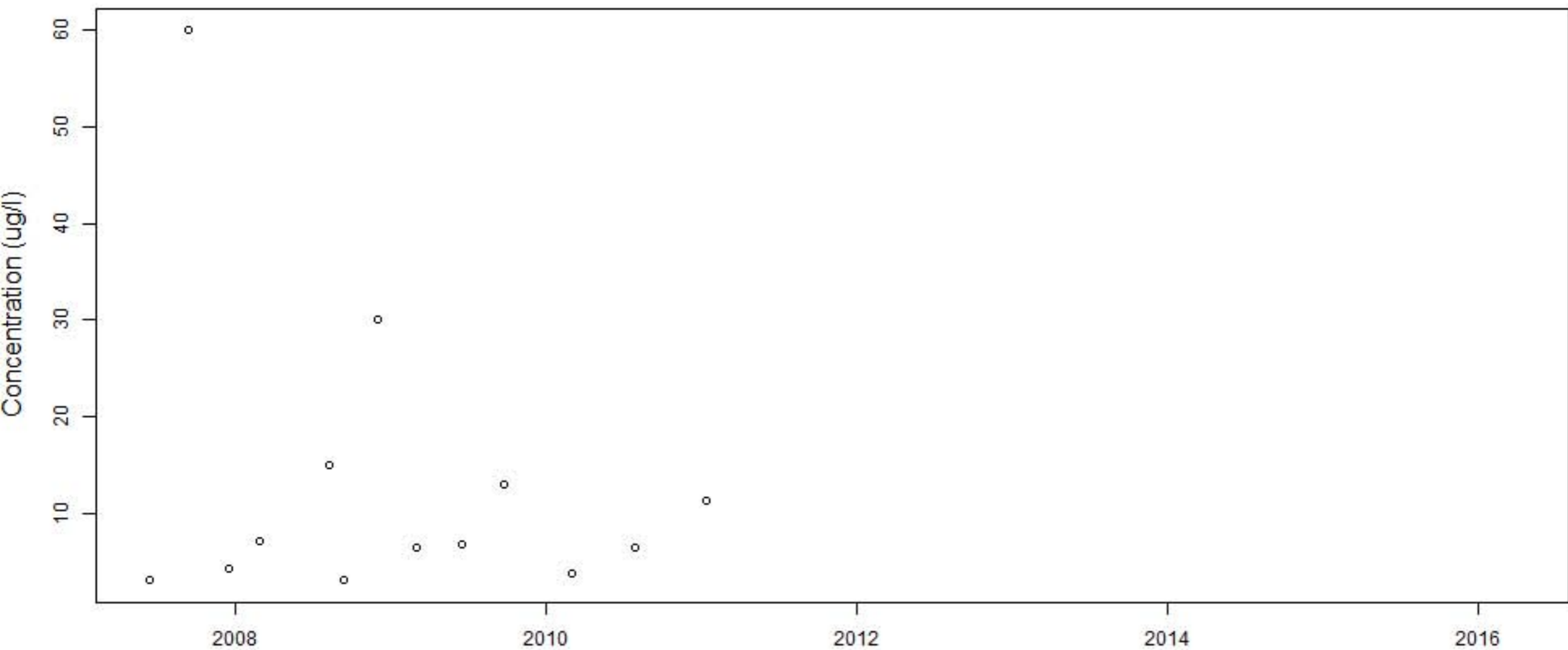
# BECY.12



# BECY.13

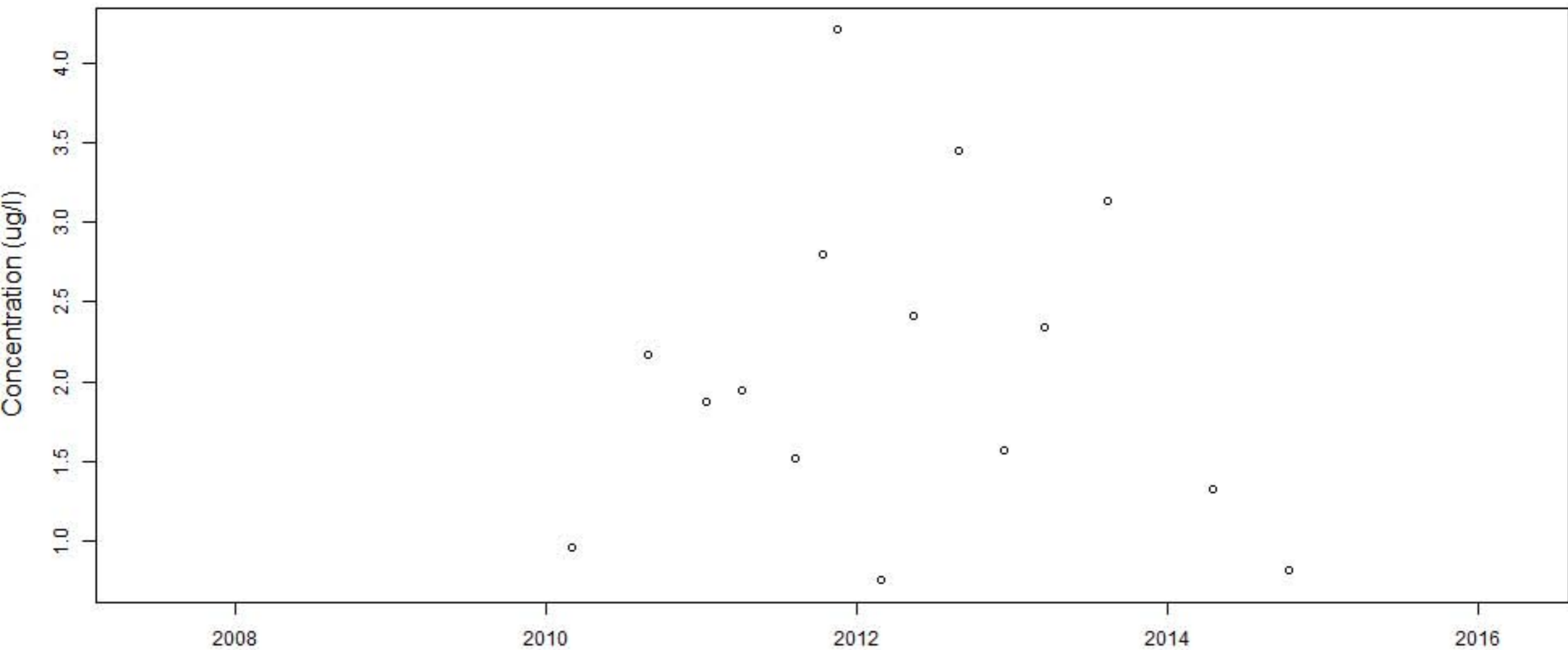


# BECY.14

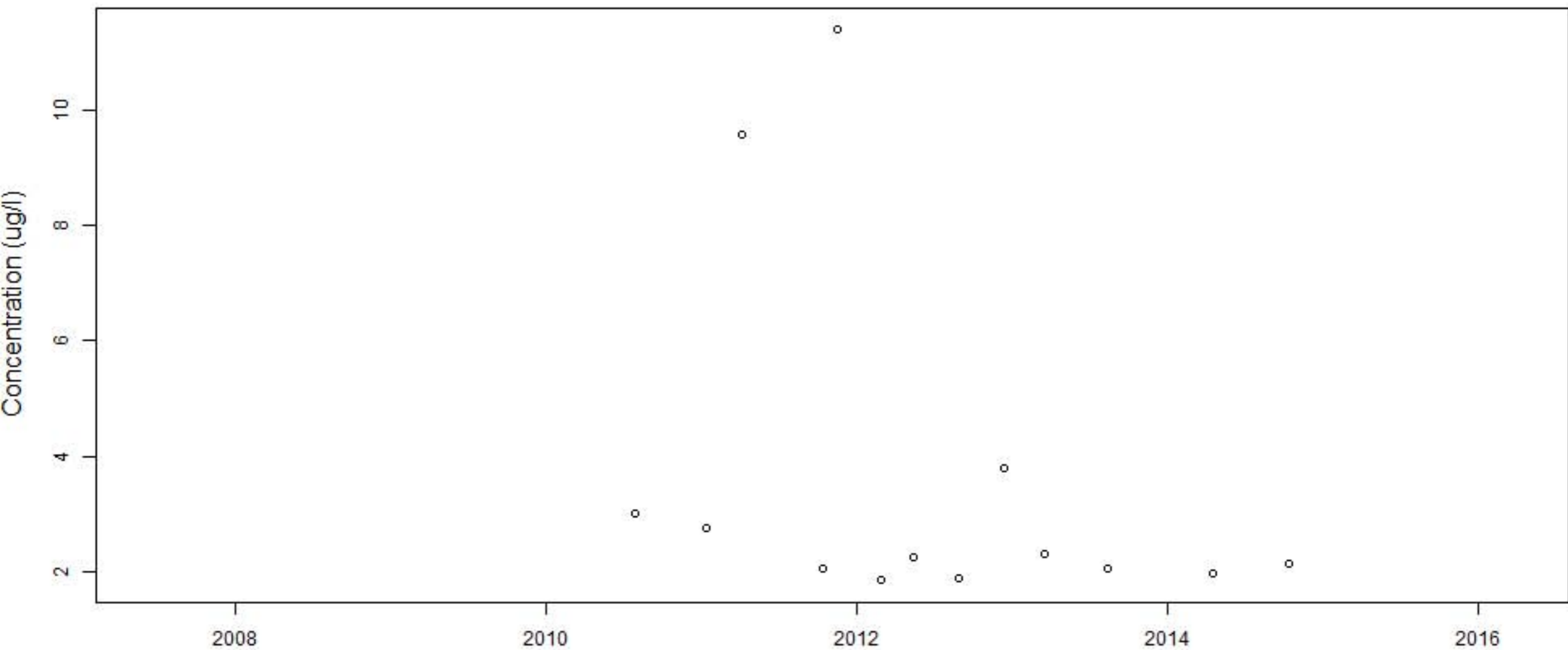




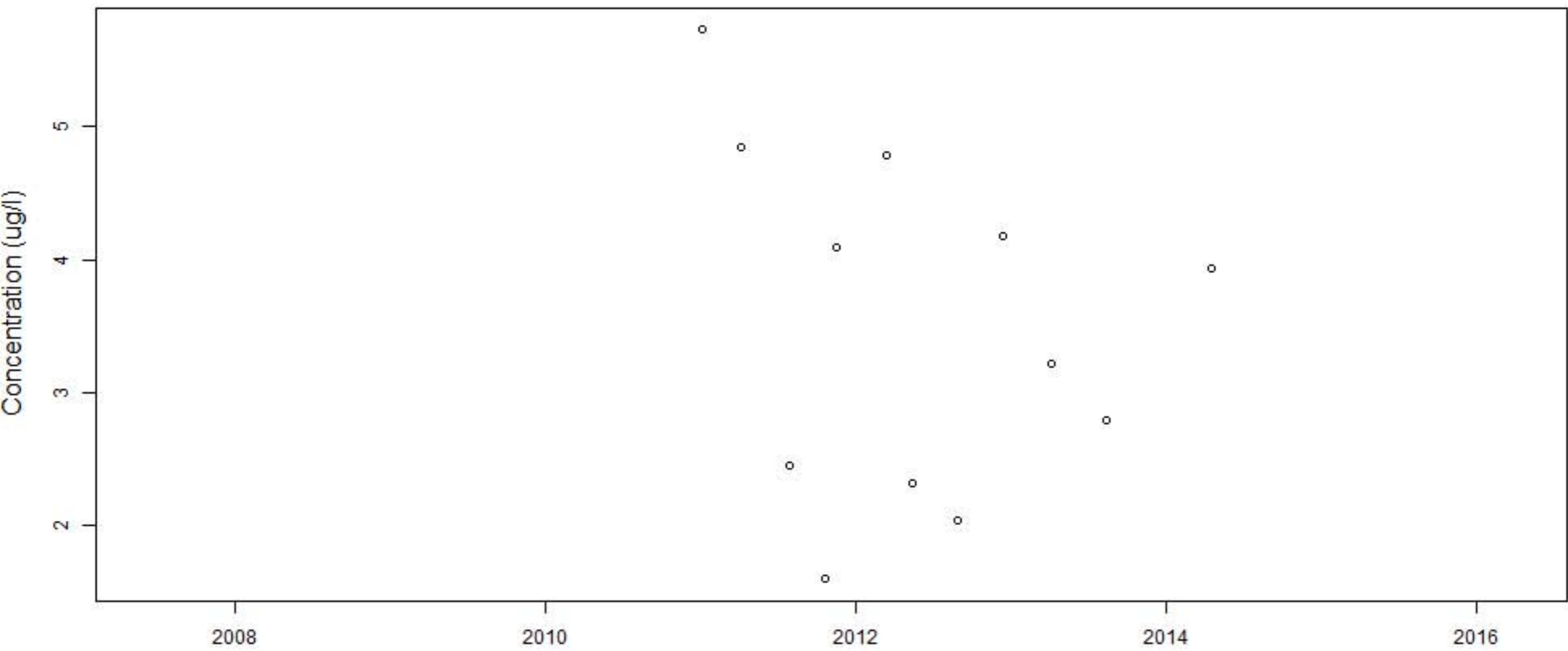
# BECY.15



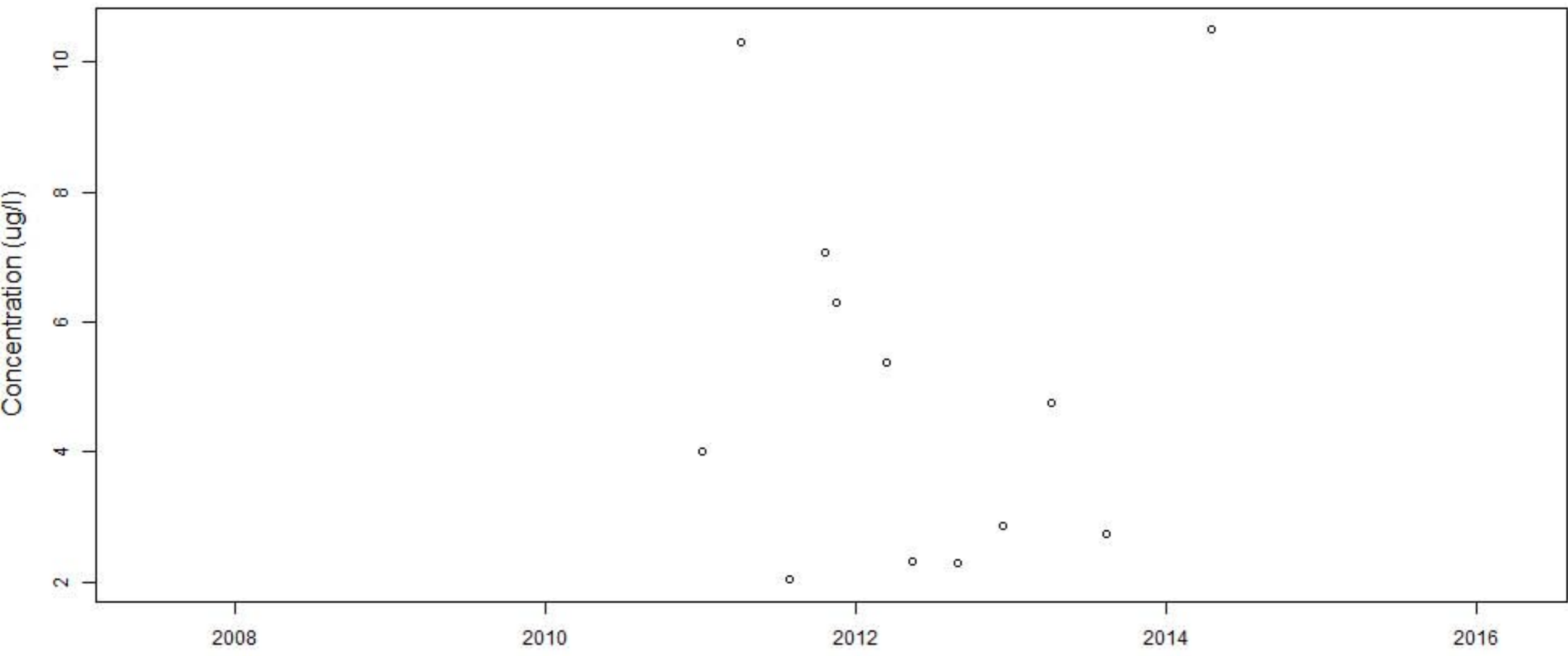
# BECY.16



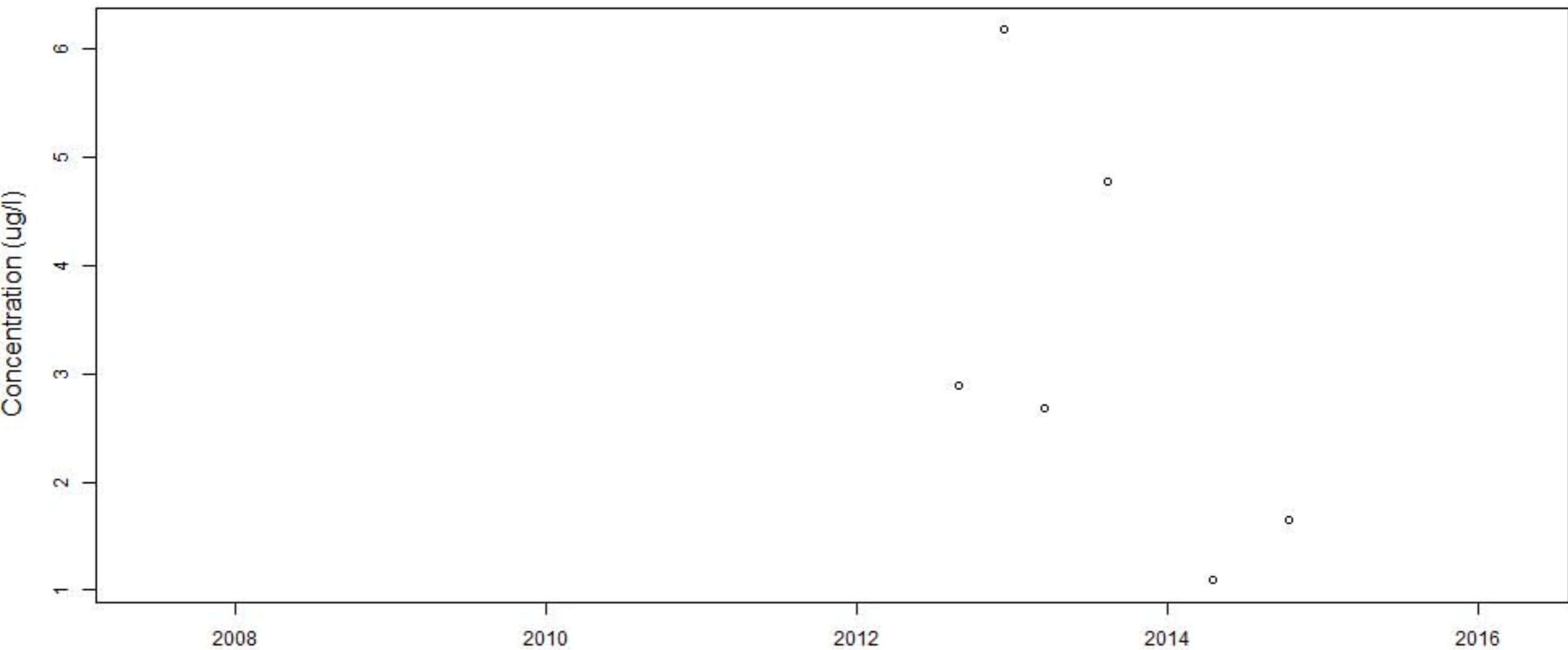
**BECY.17a.After**



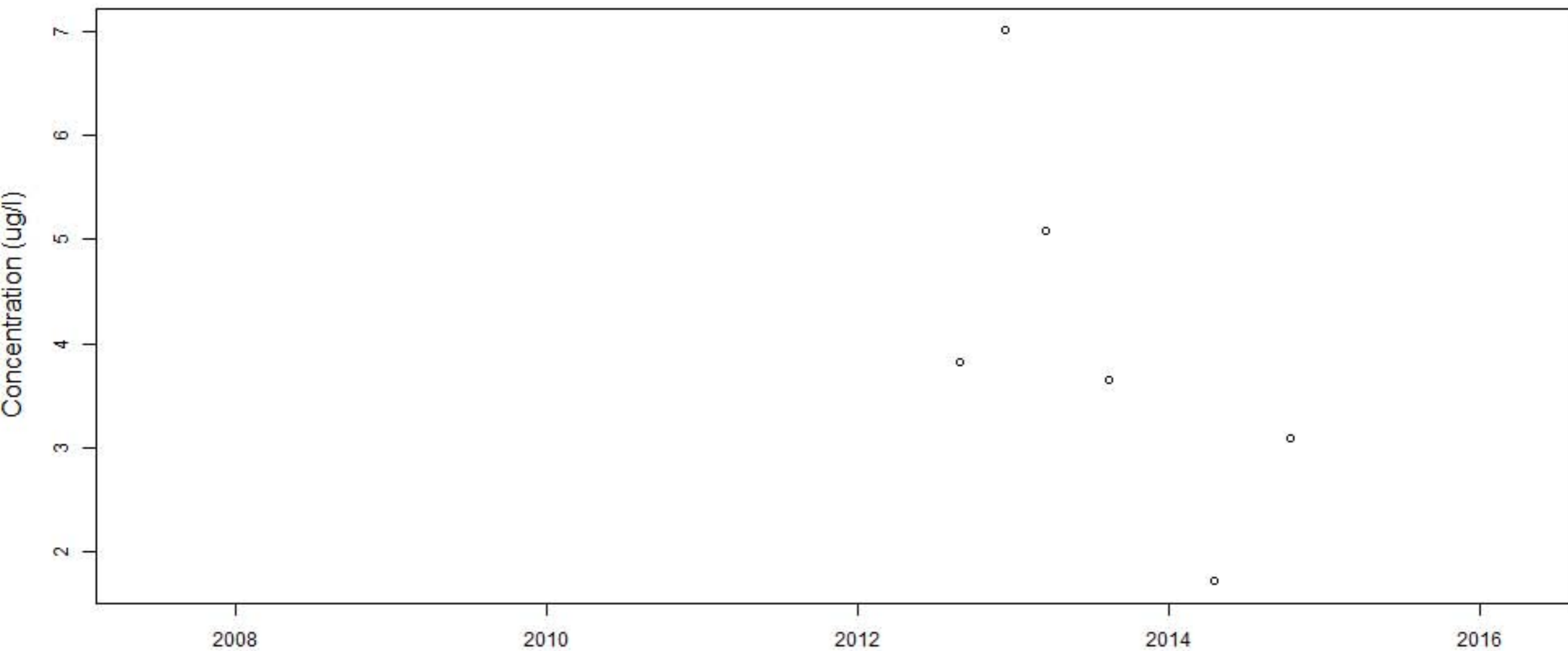
# BECY.17a.Grab



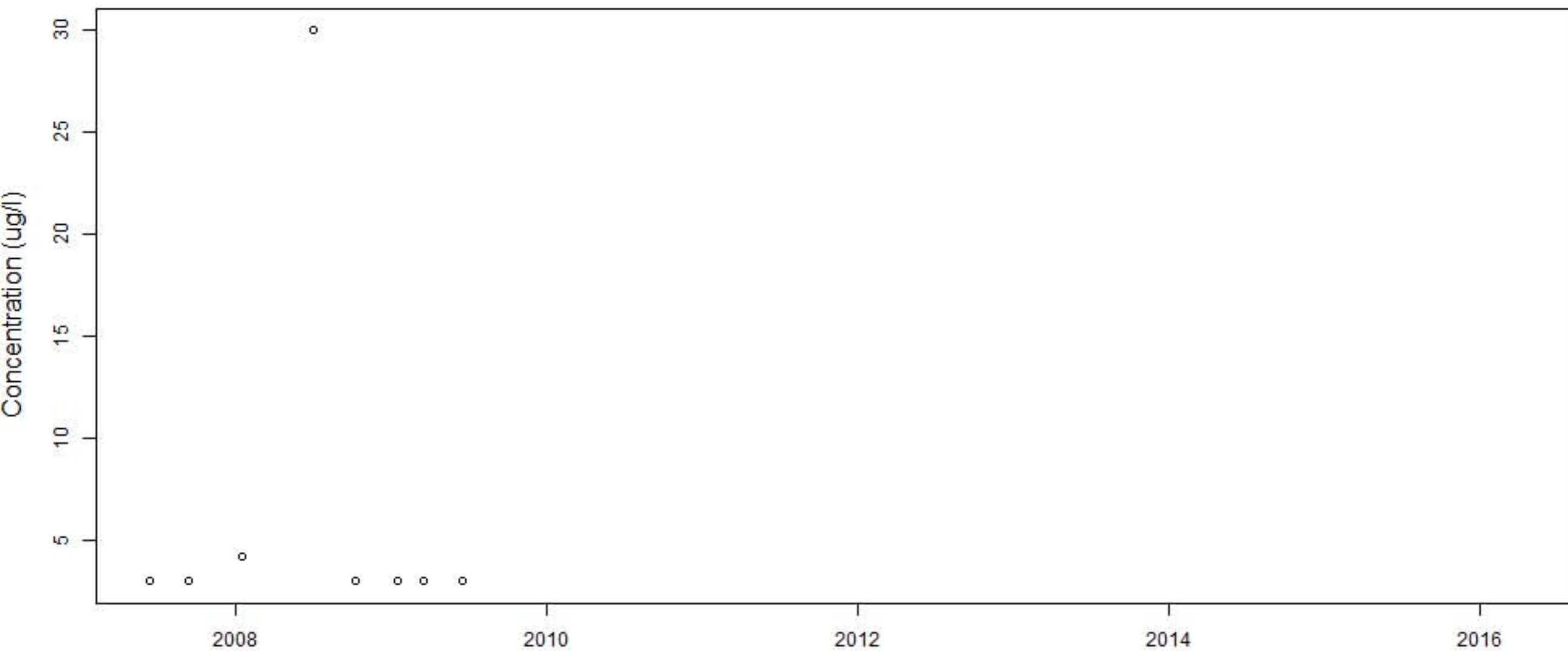
# BECY.18



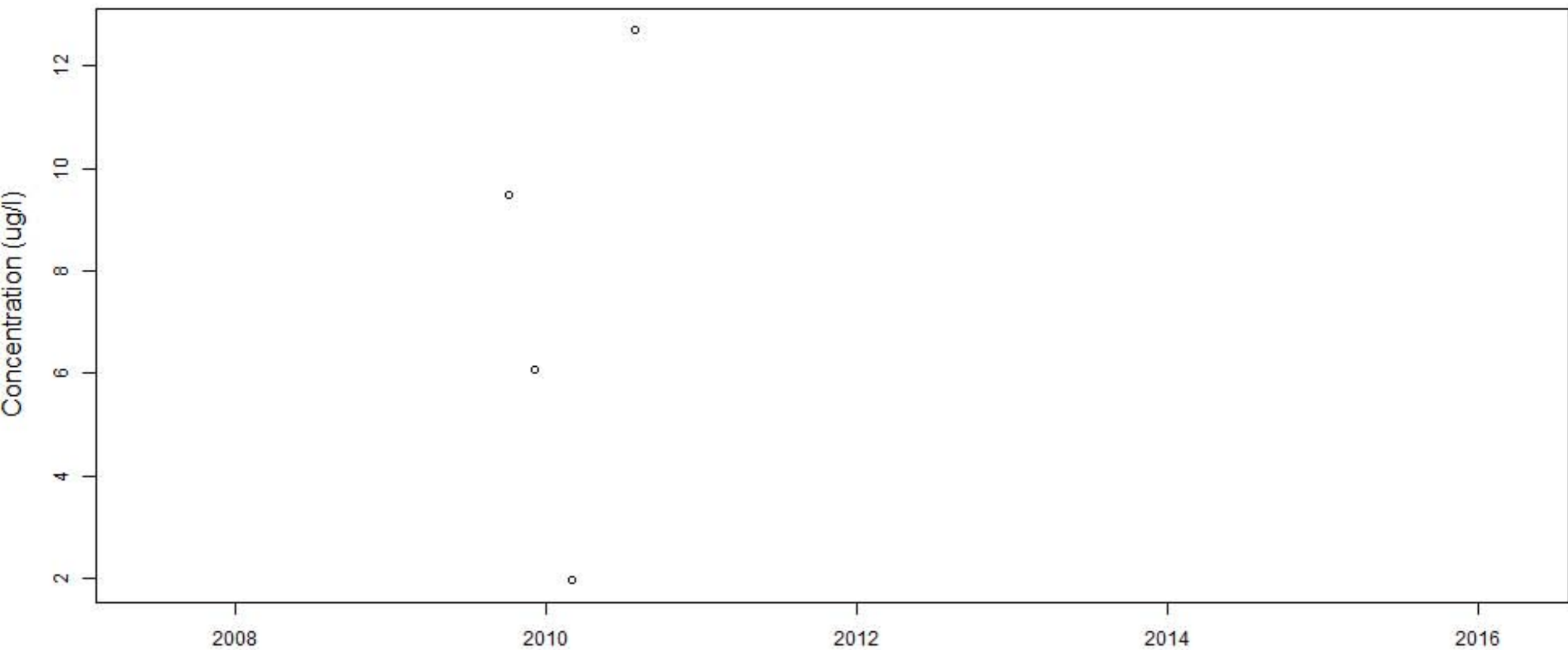
# BECY.19



# BECY.1a.Comp

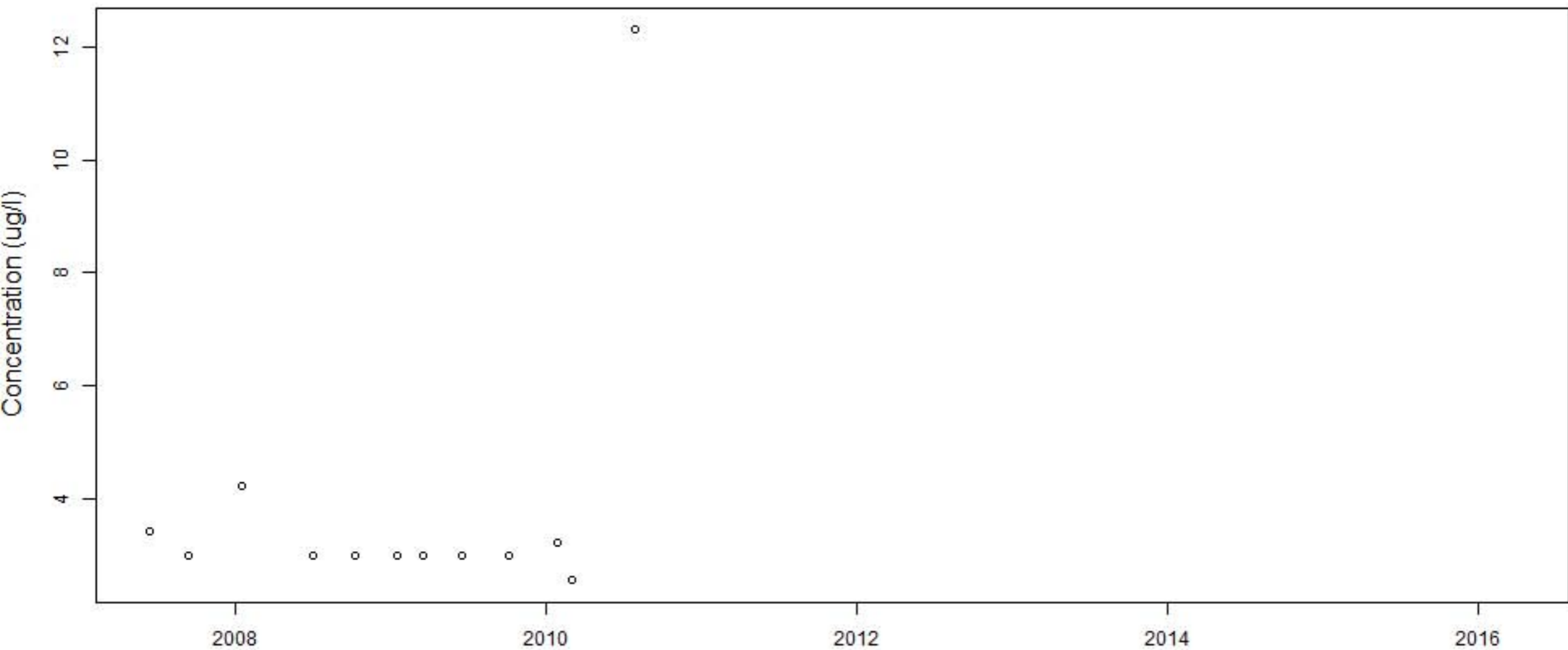


### BECY.1a.Grab.after

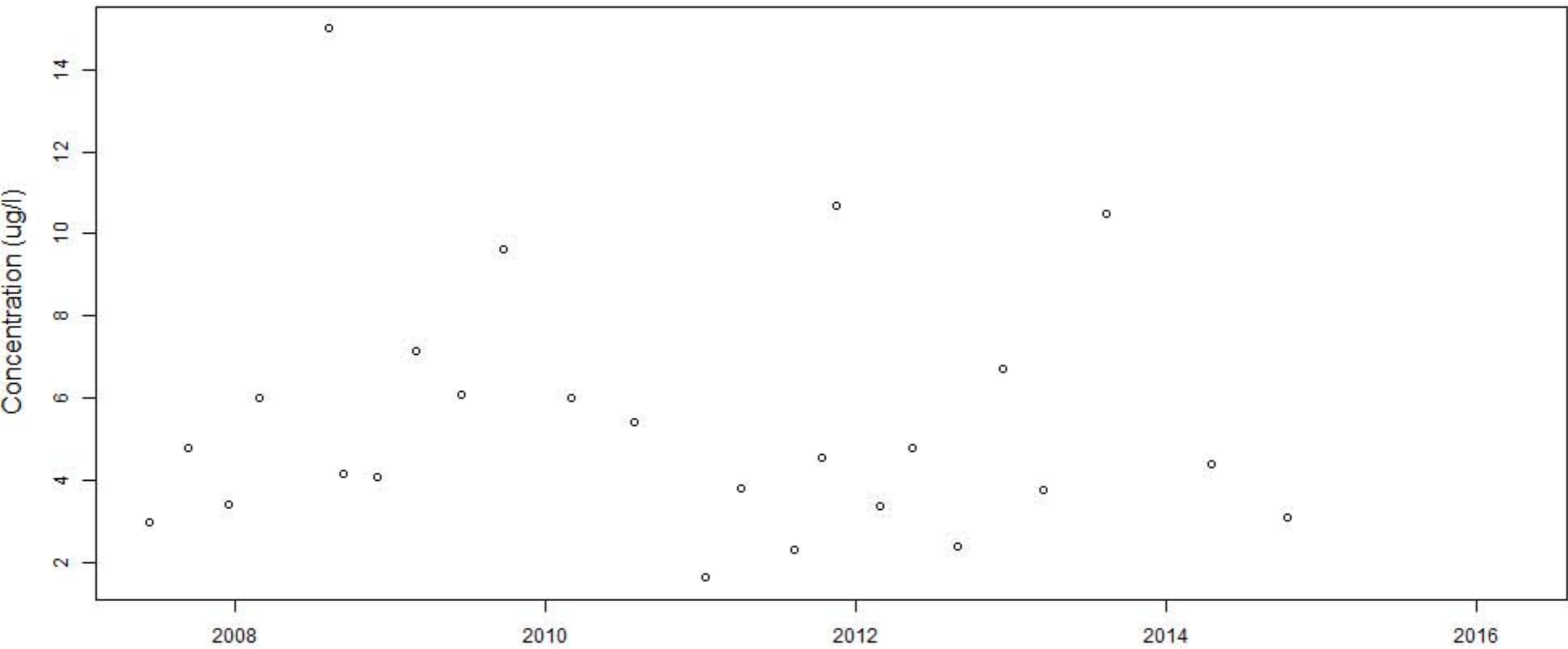




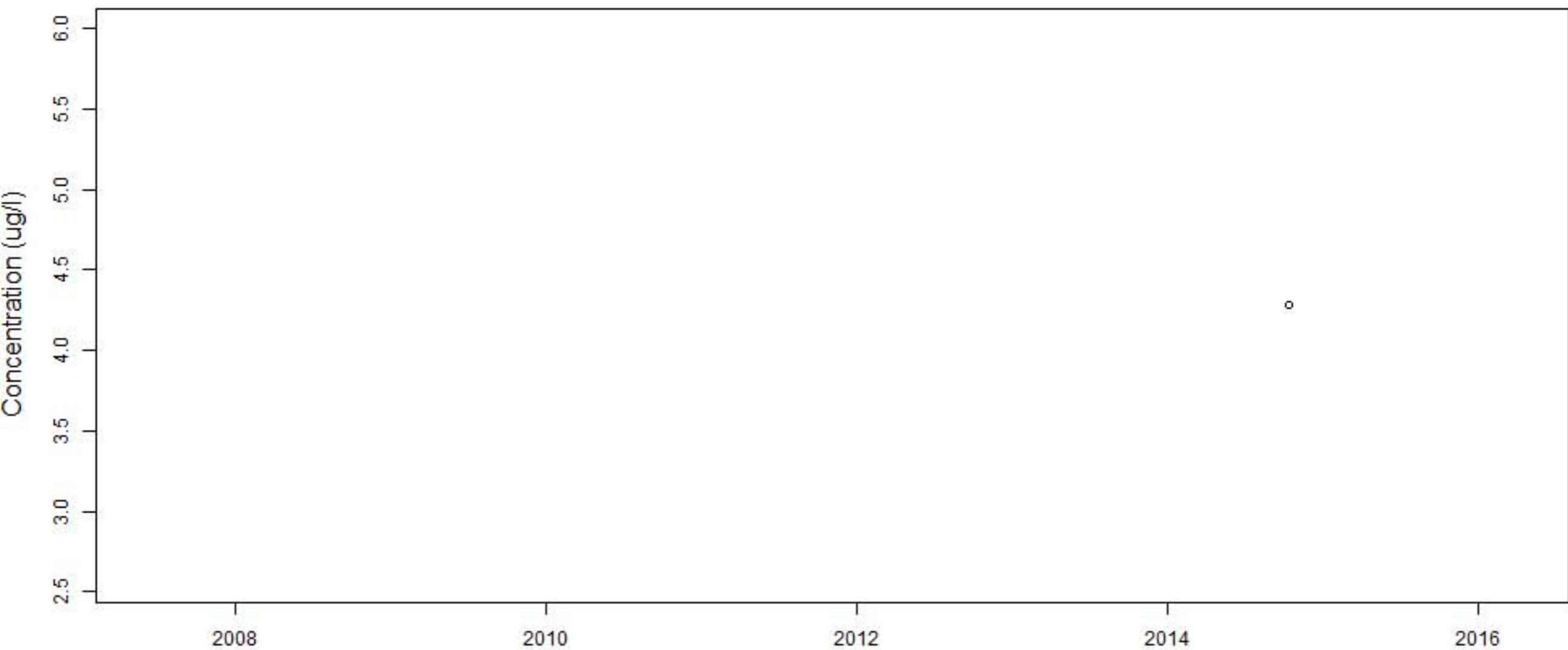
# BECY.1a.Grab



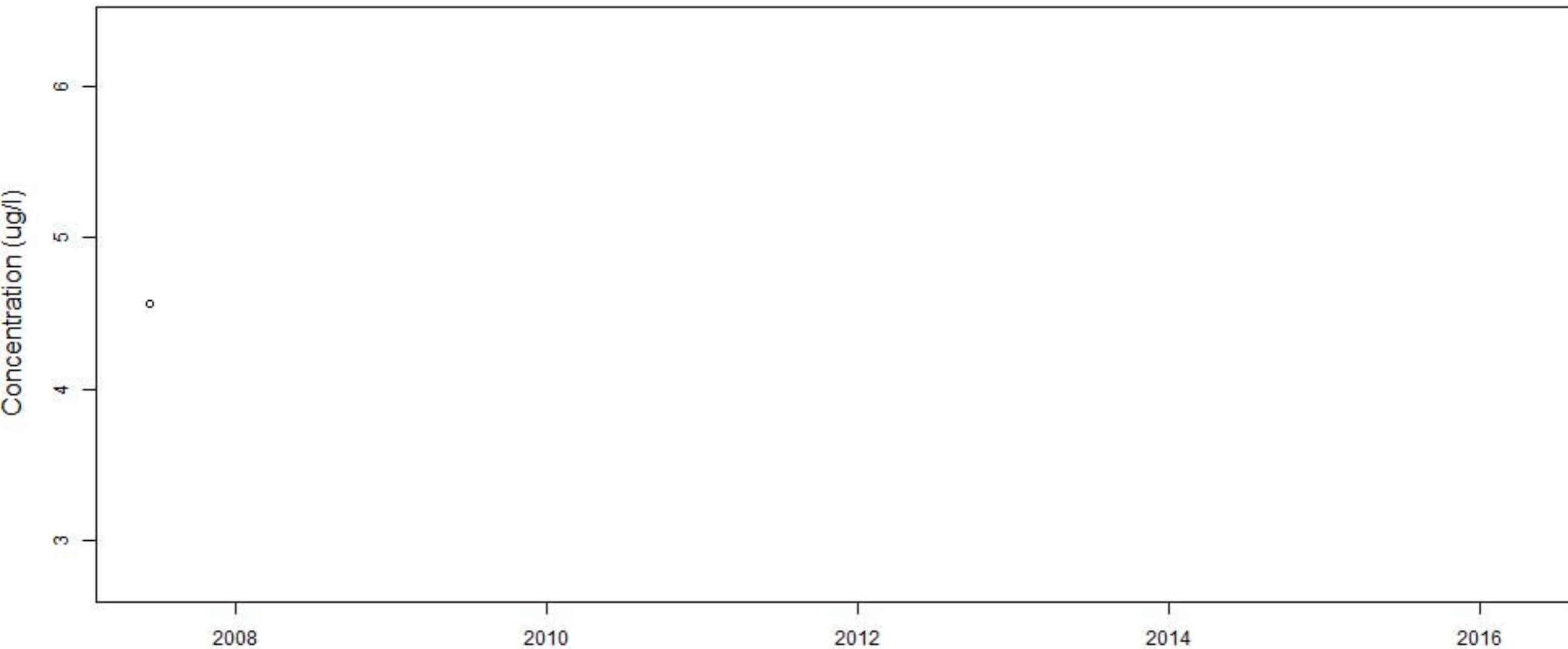
# BECY.2



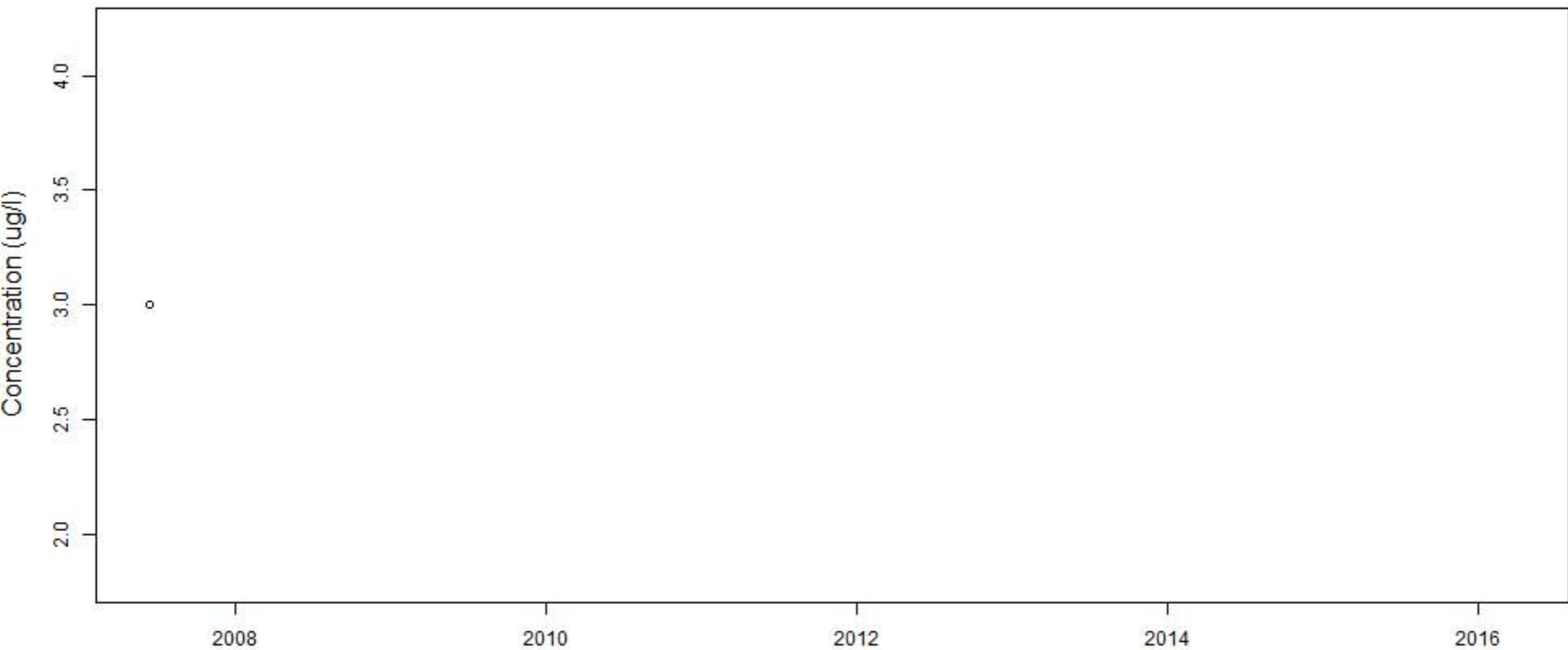
# BECY.20



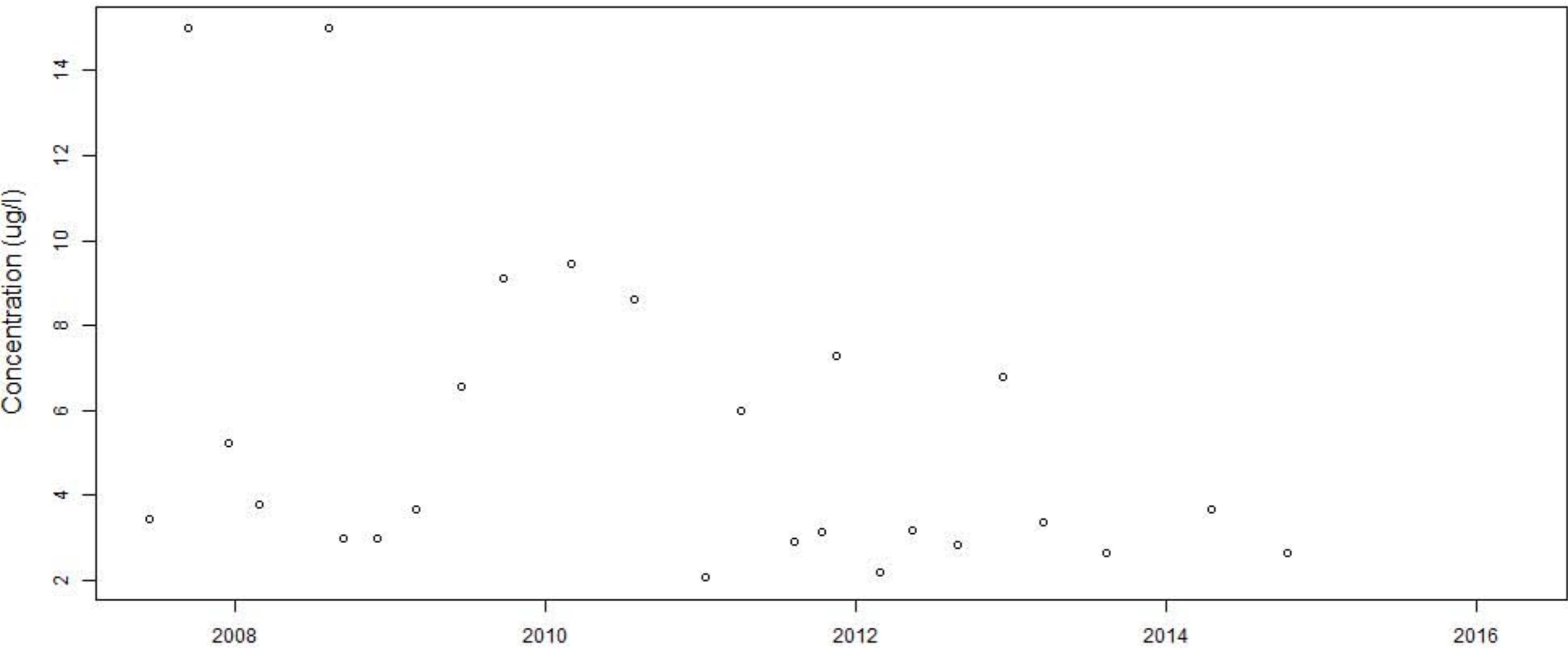
# BECY.2a.Comp



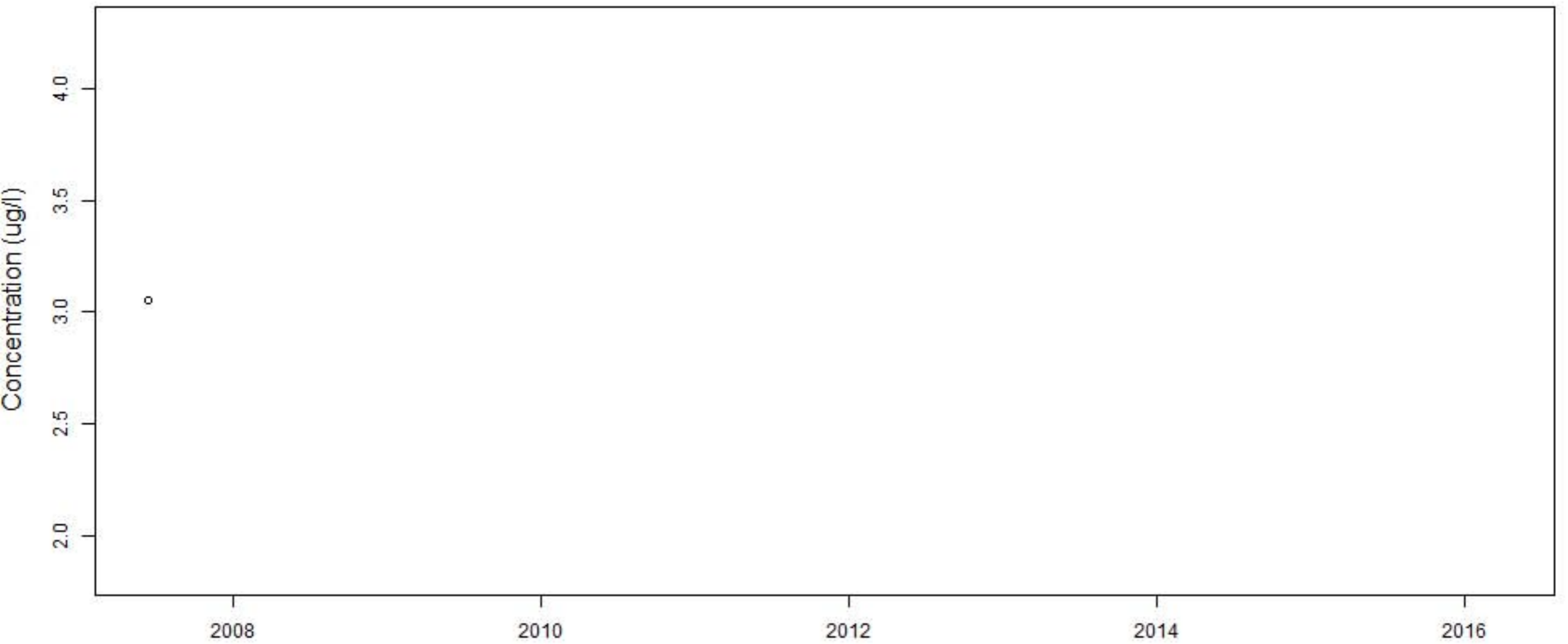
# BECY.2a.Grab



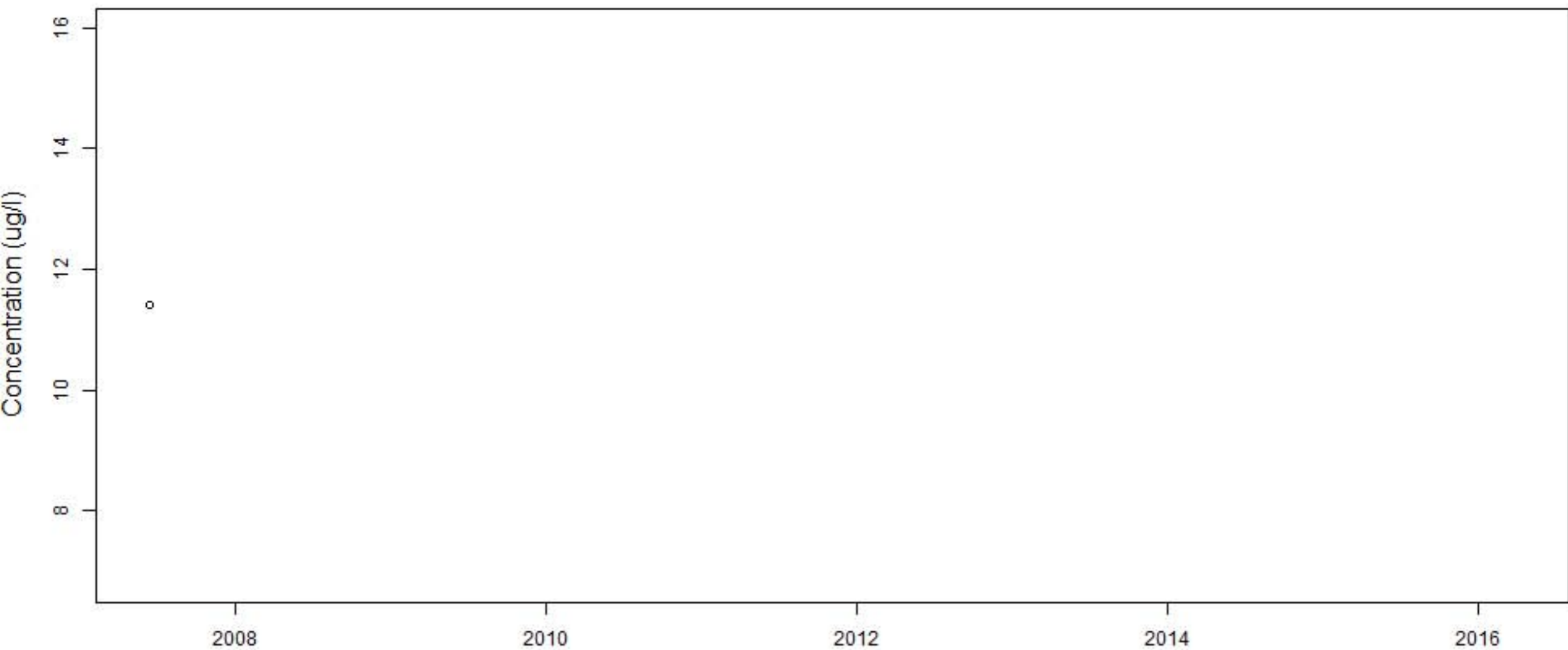
### BECY.3



# BECY.3a.Comp

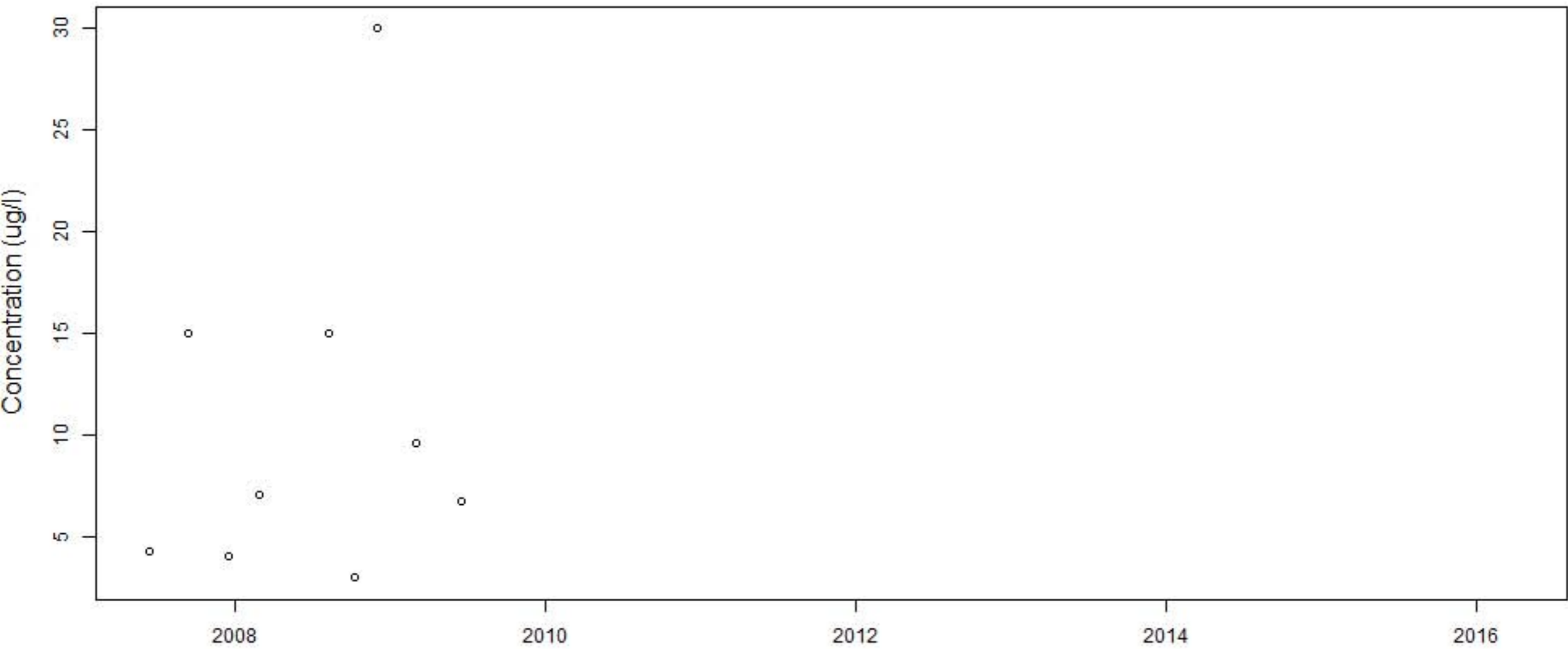


# BECY.3a.Grab

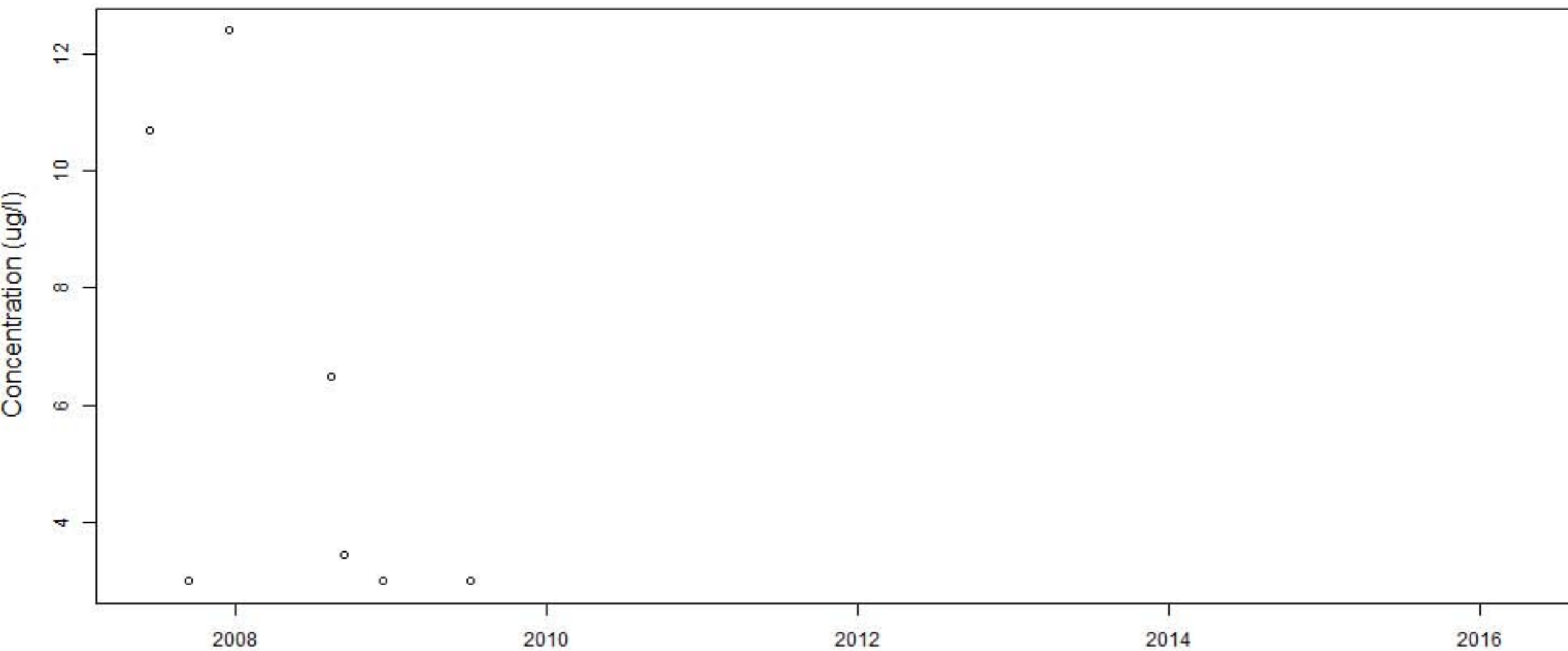




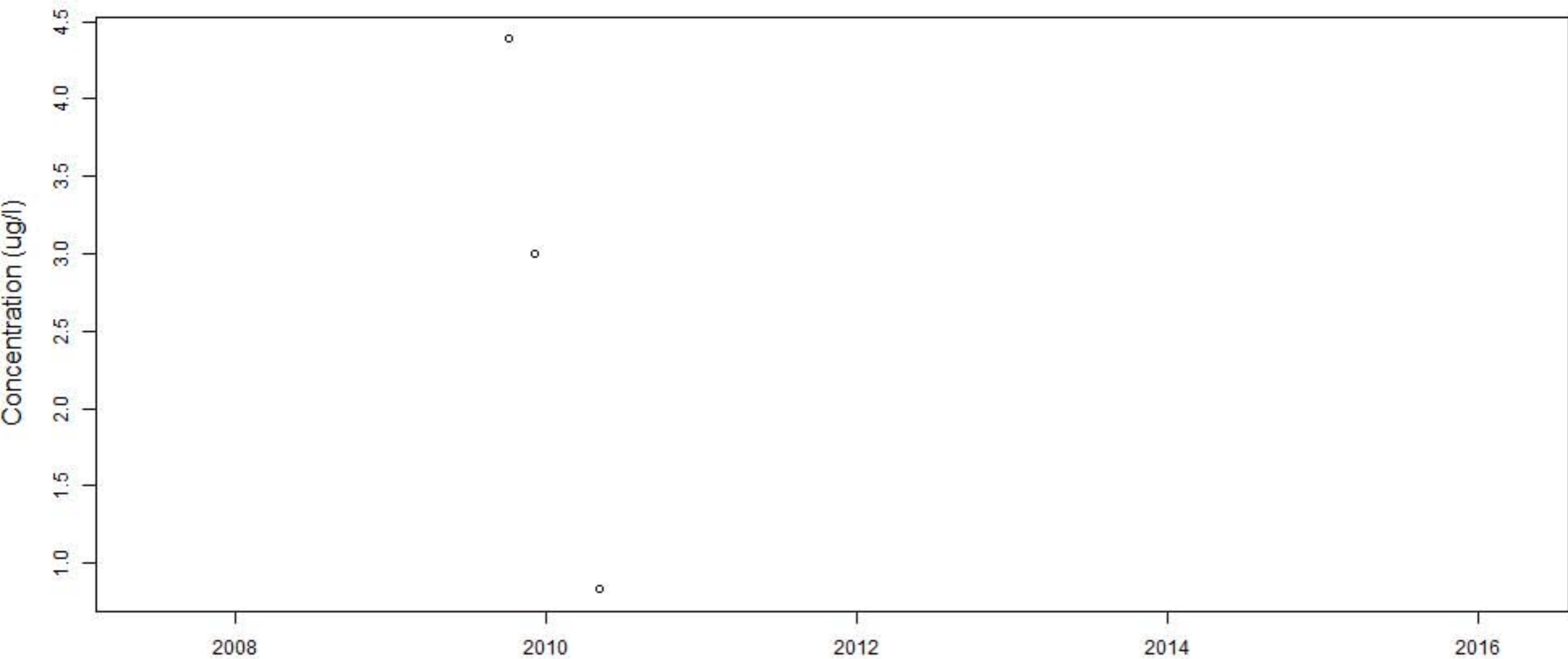
# BECY.4



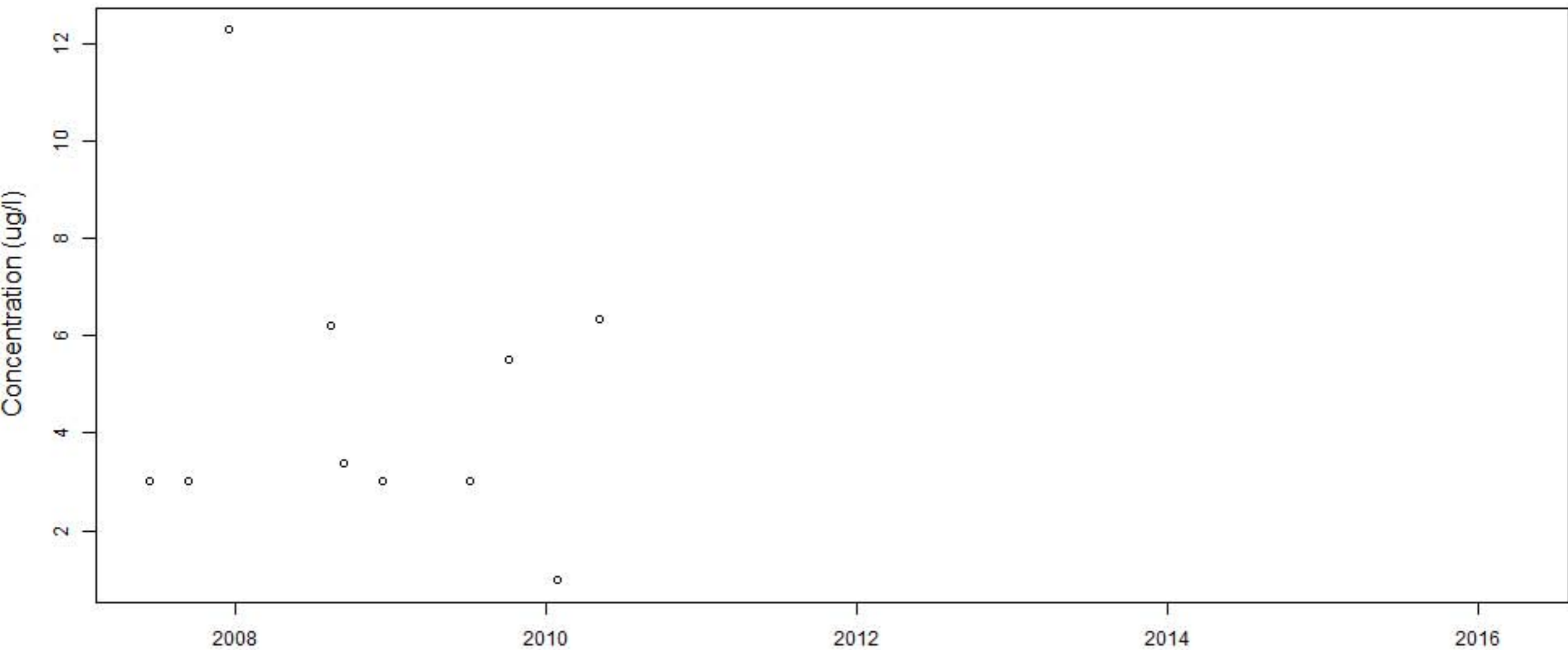
# BECY.4a.Comp



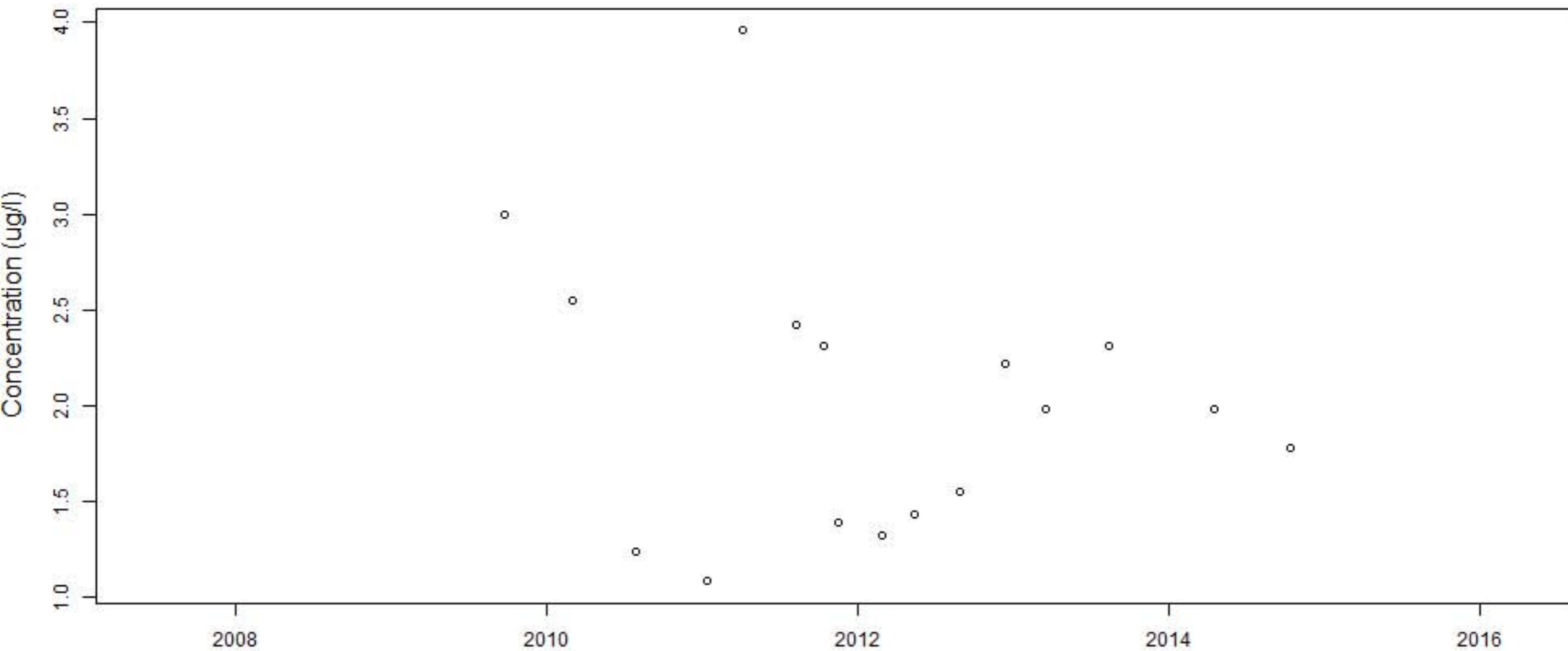
### BECY.4a.Grab.after



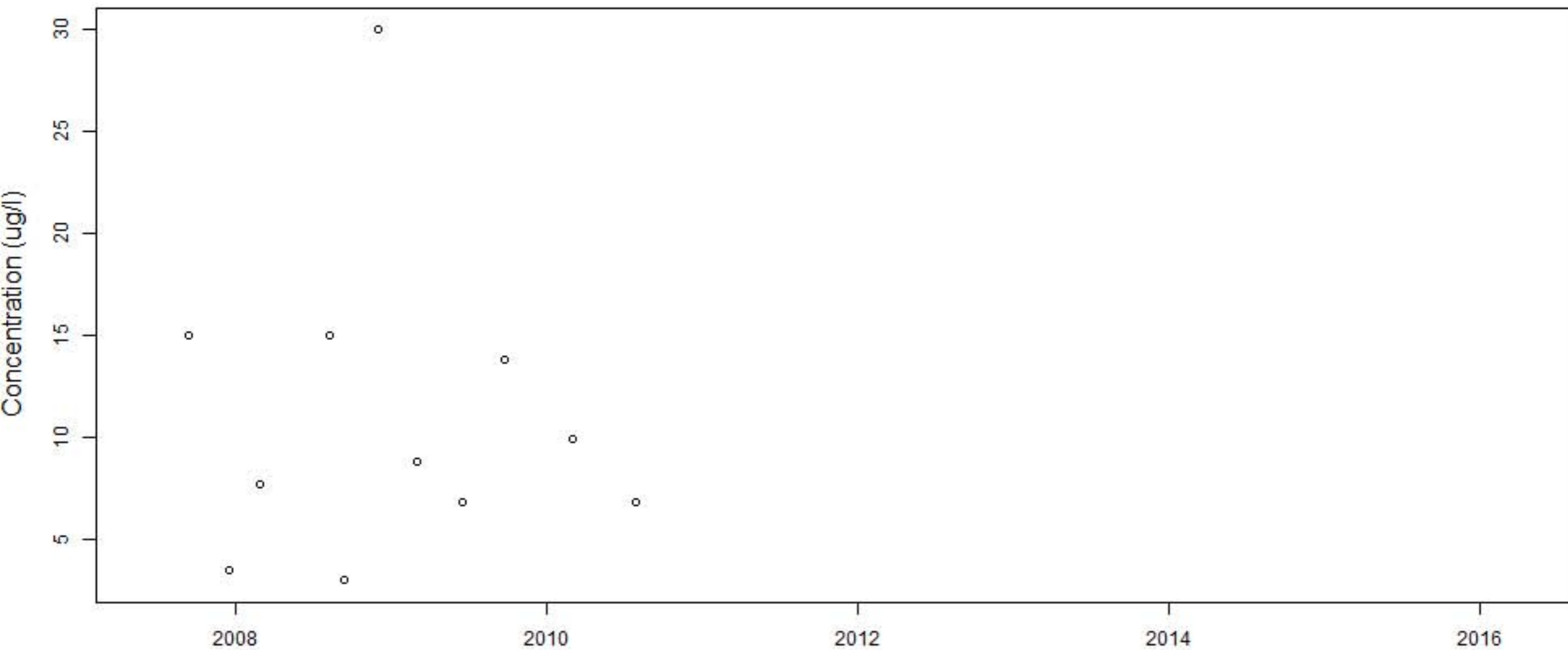
# BECY.4a.Grab



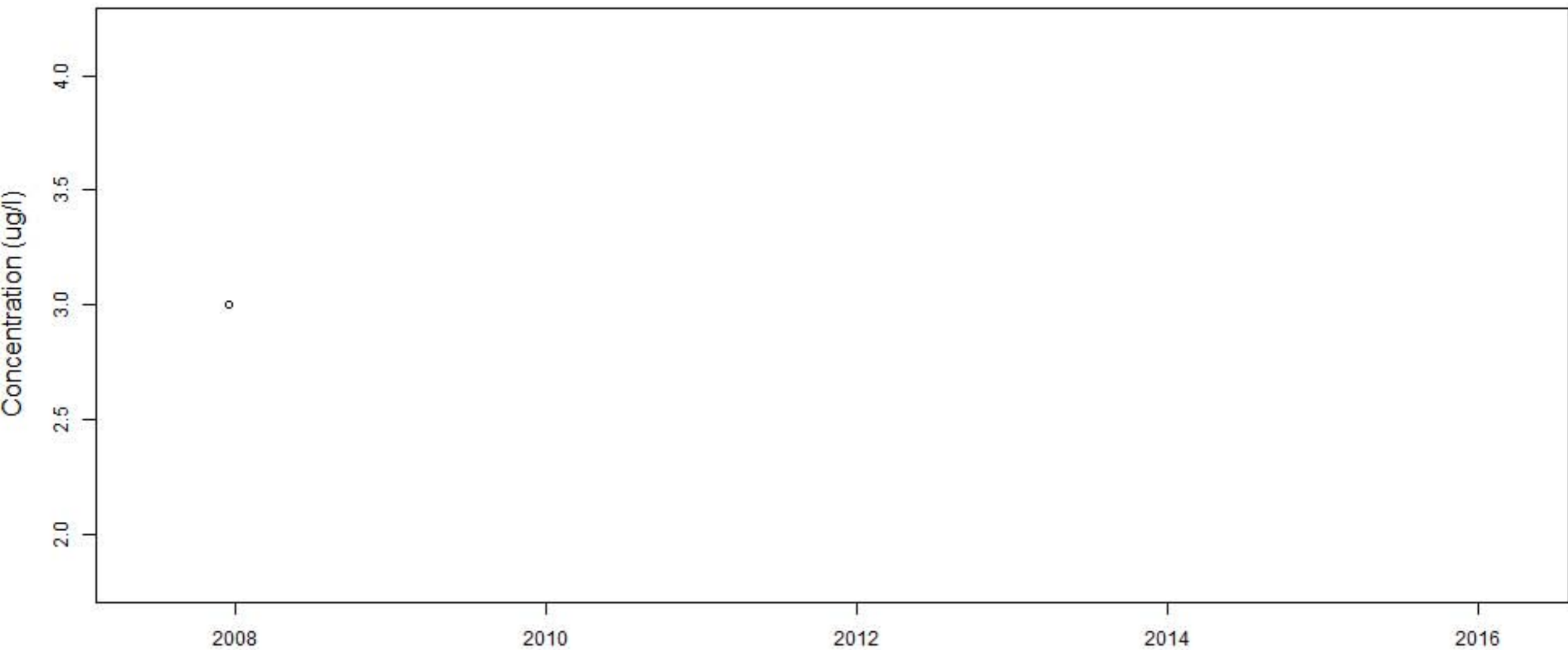
# BECY.4r



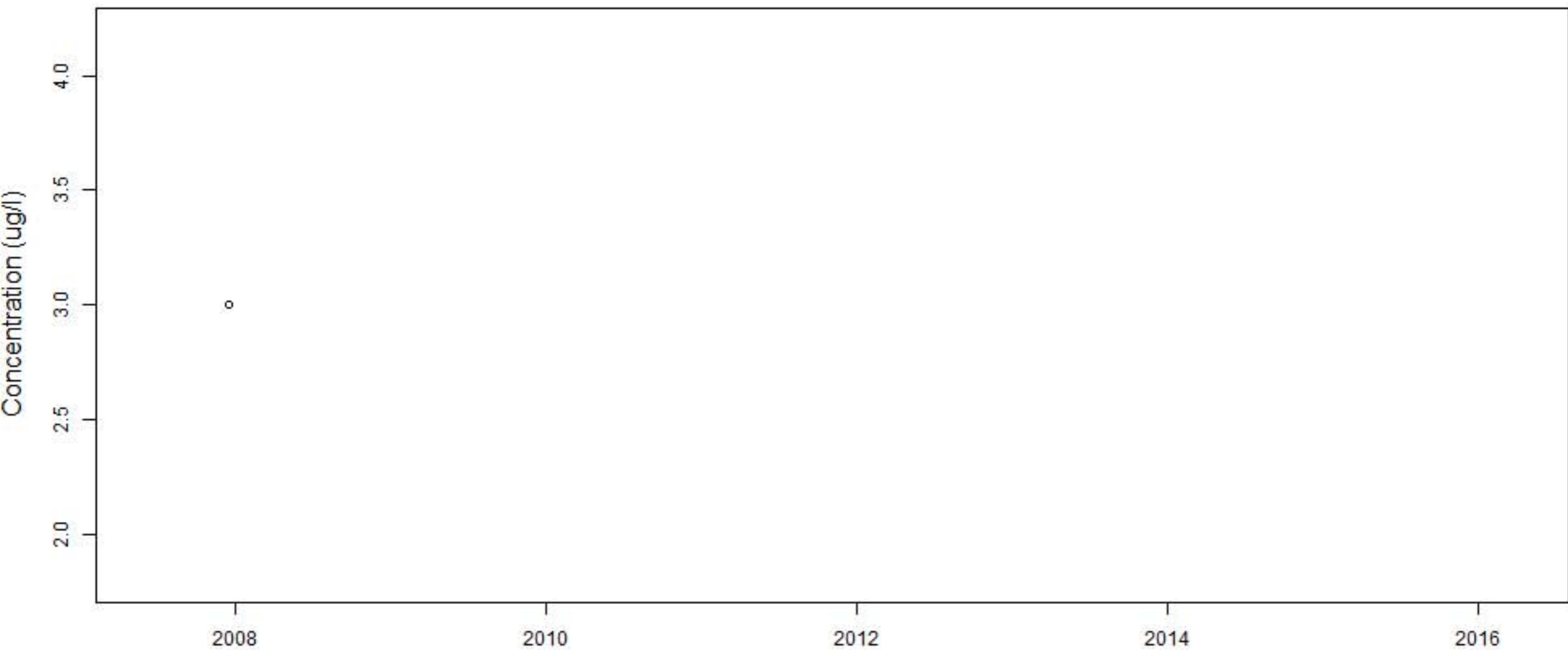
# BECY.5



# BECY.5A.Comp

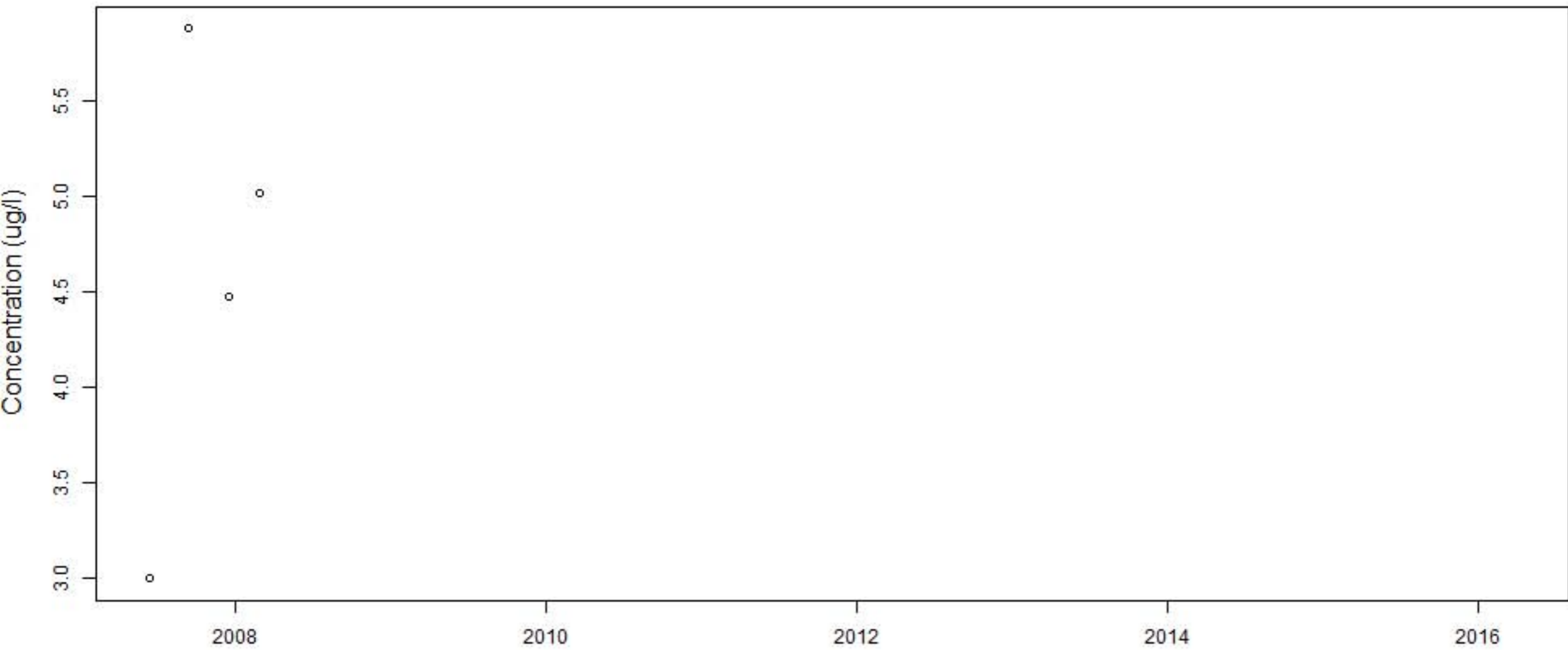


# BECY.5A.Grab

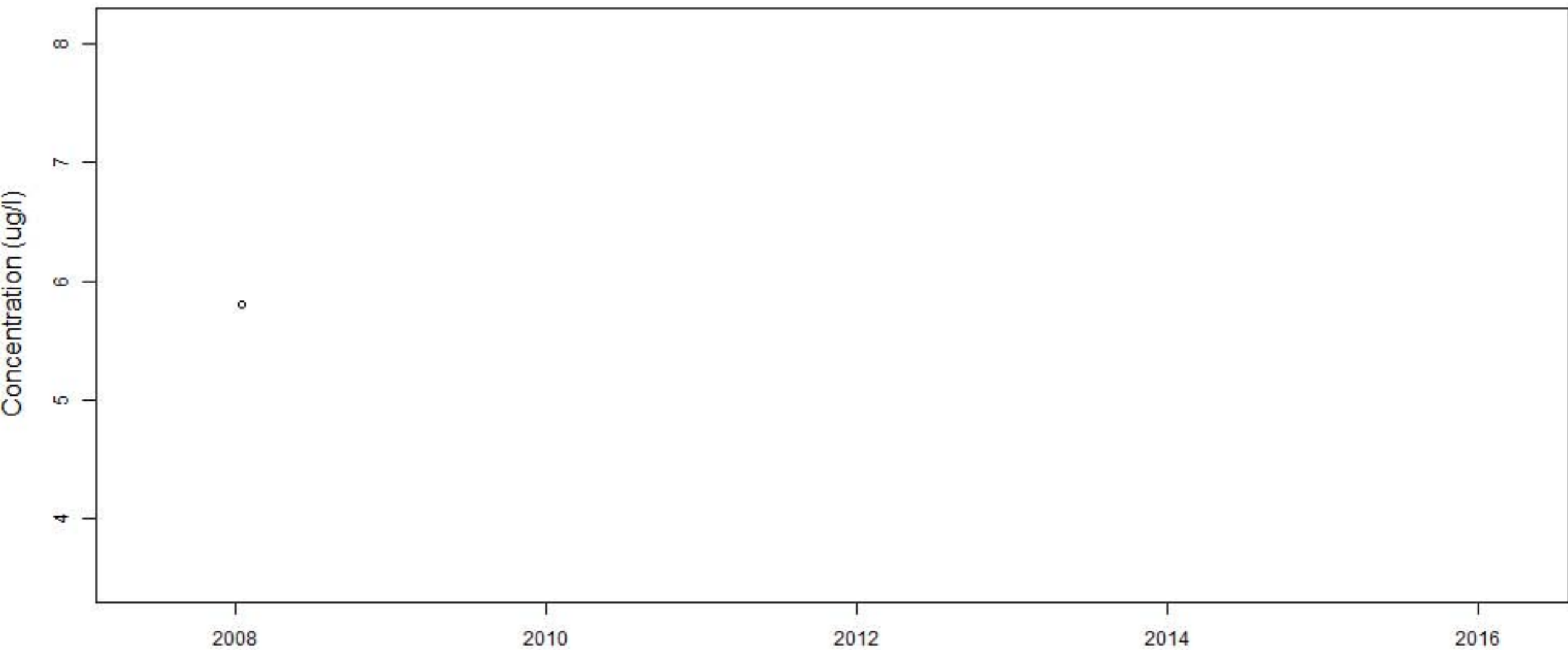




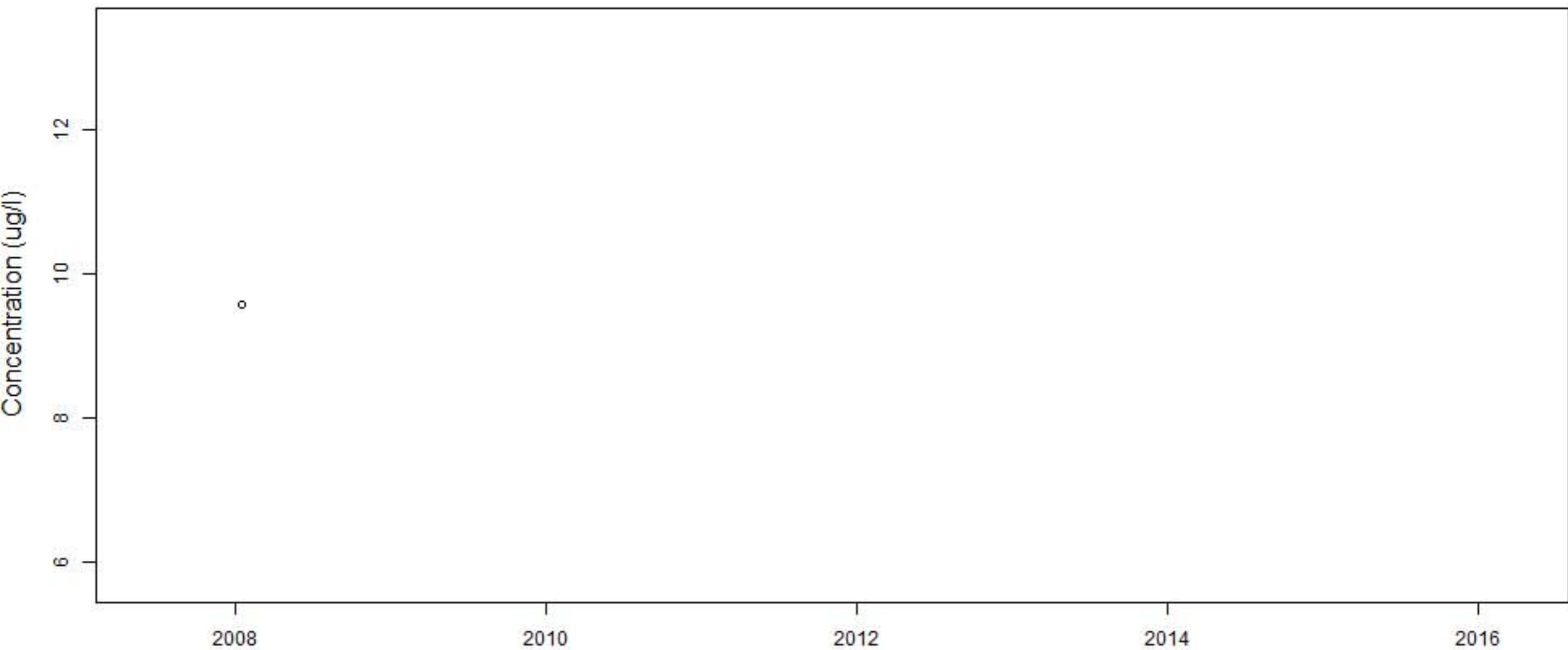
# BECY.6



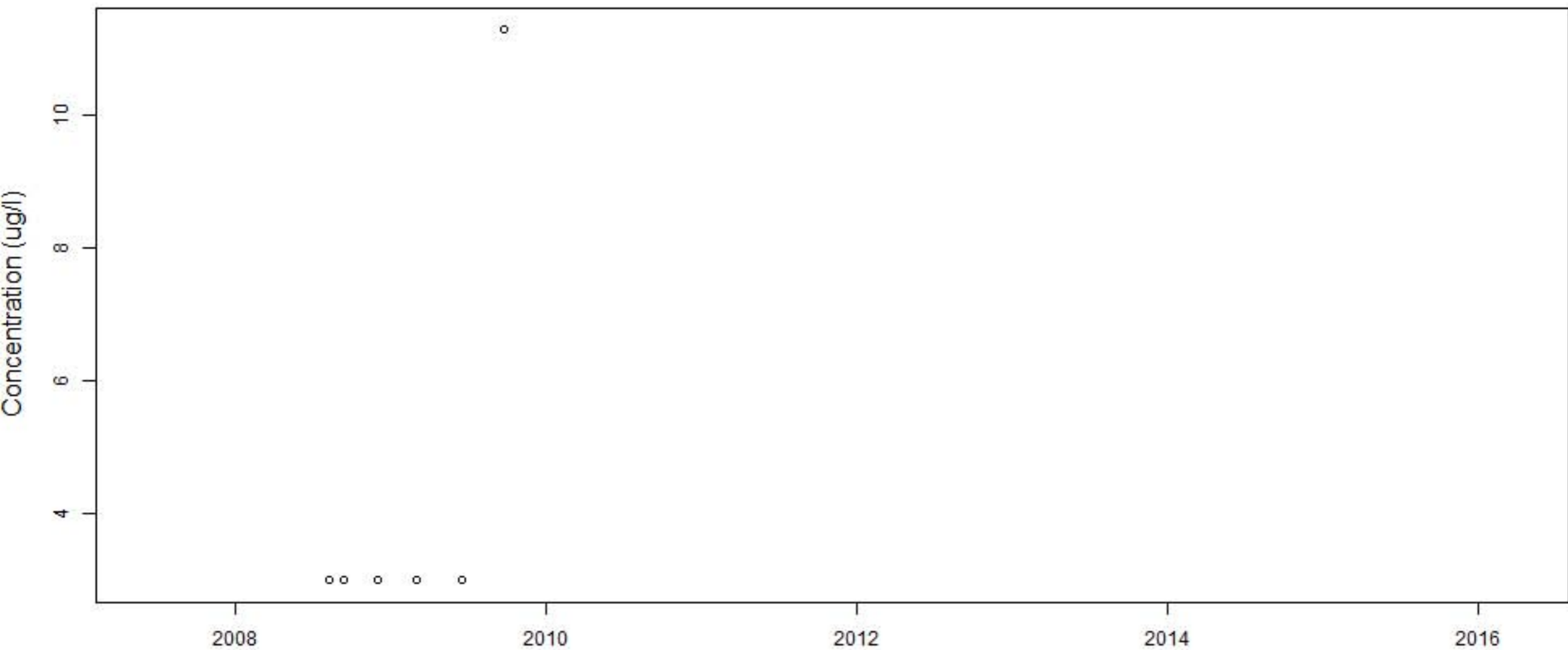
# BECY.6A.Comp



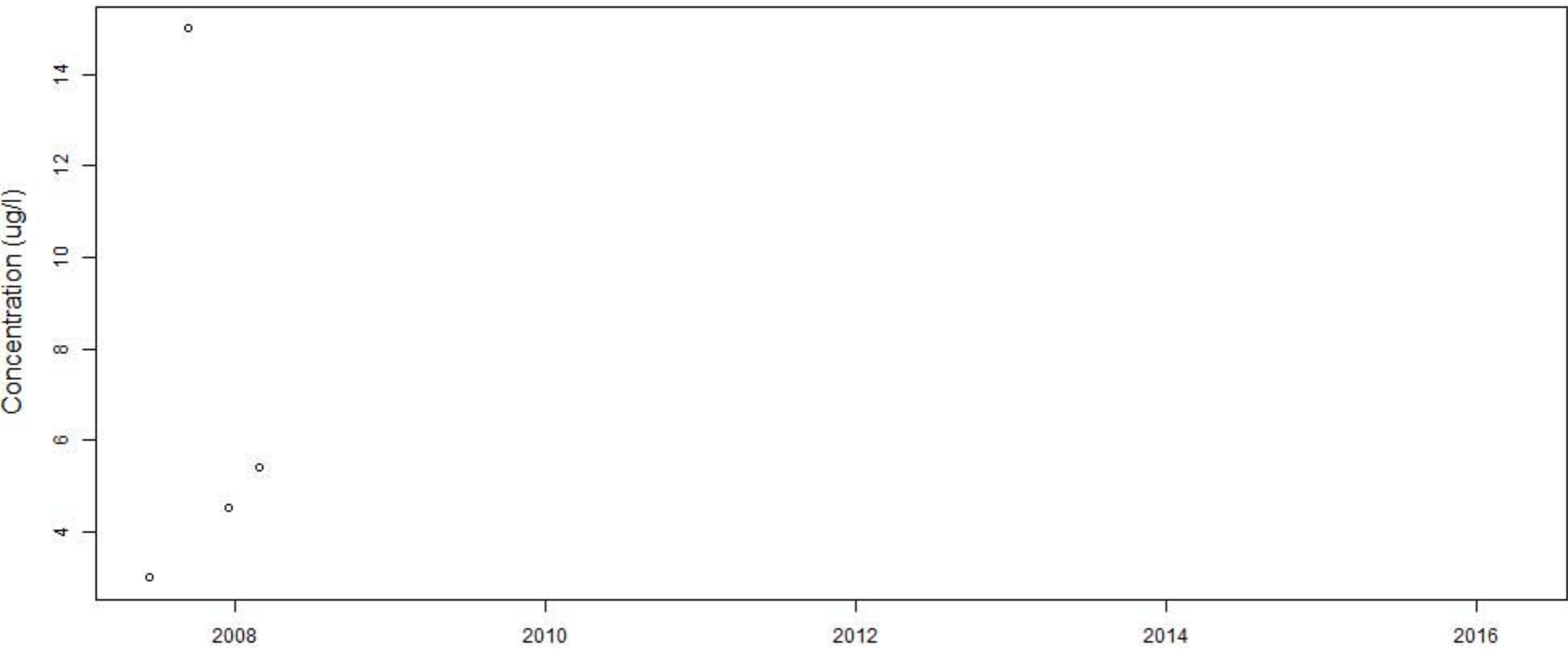
# BECY.6A.Grab



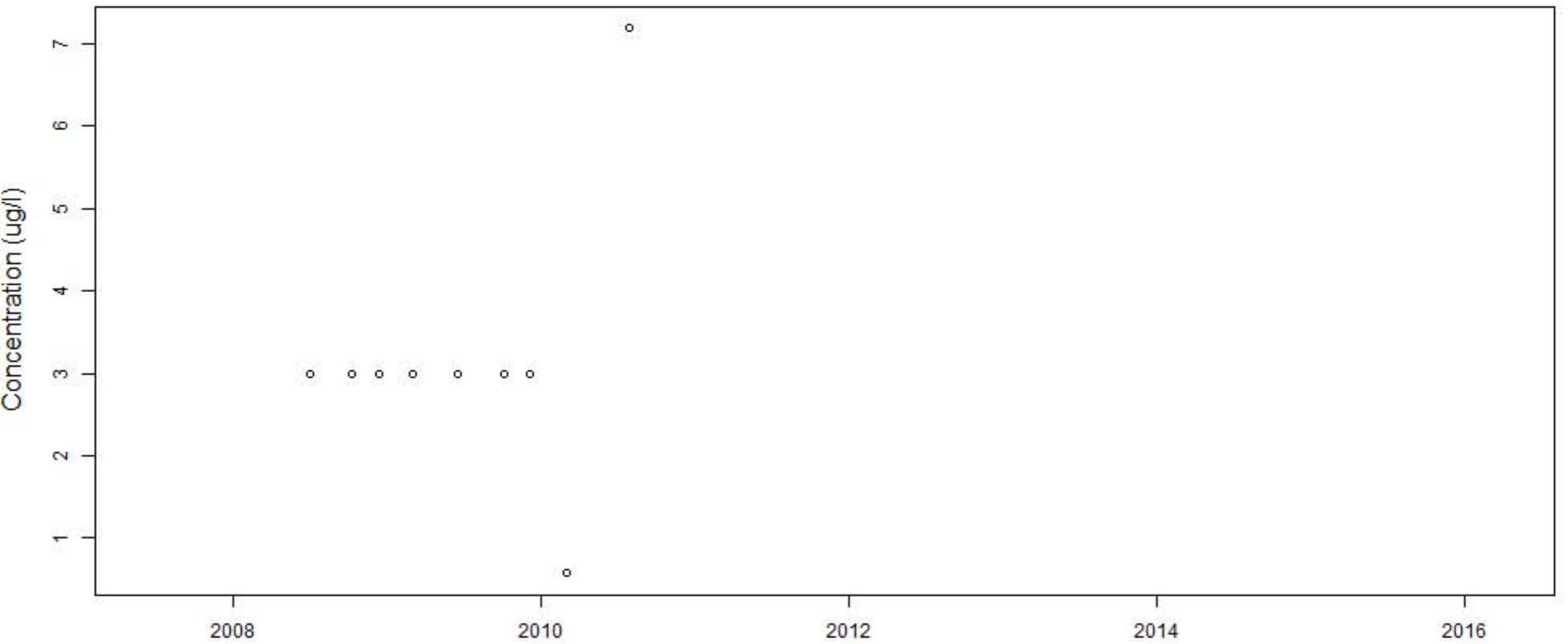
# BECY.6r



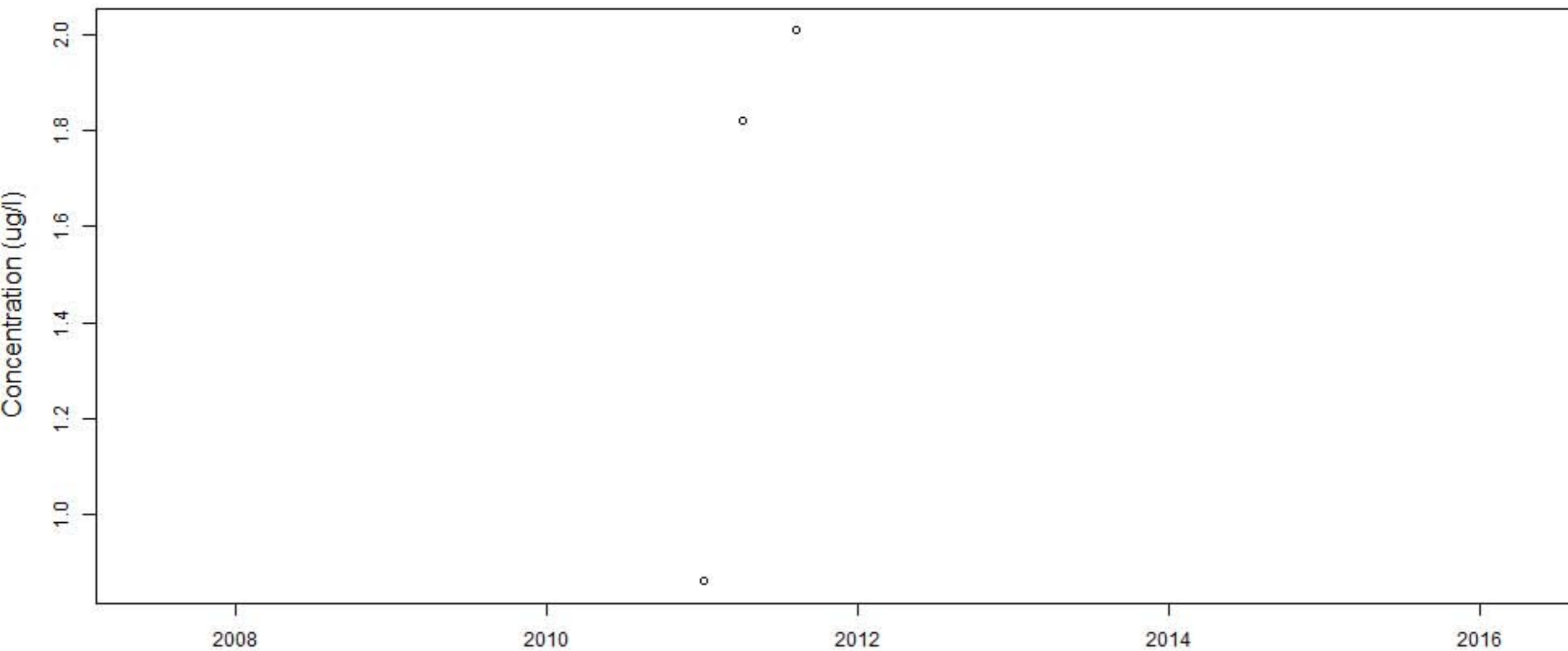
# BECY.7



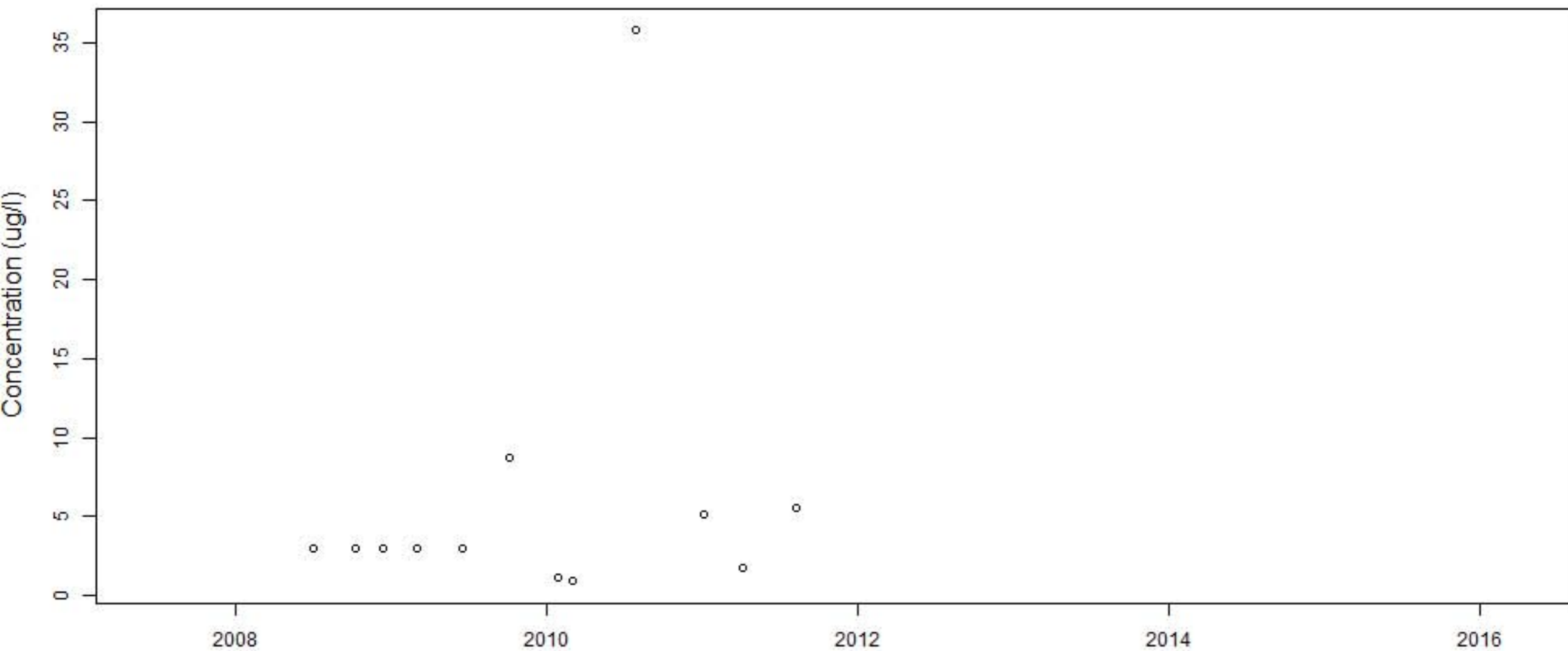
# BECY.7ra.Comp



### BECY.7ra.Grab.after

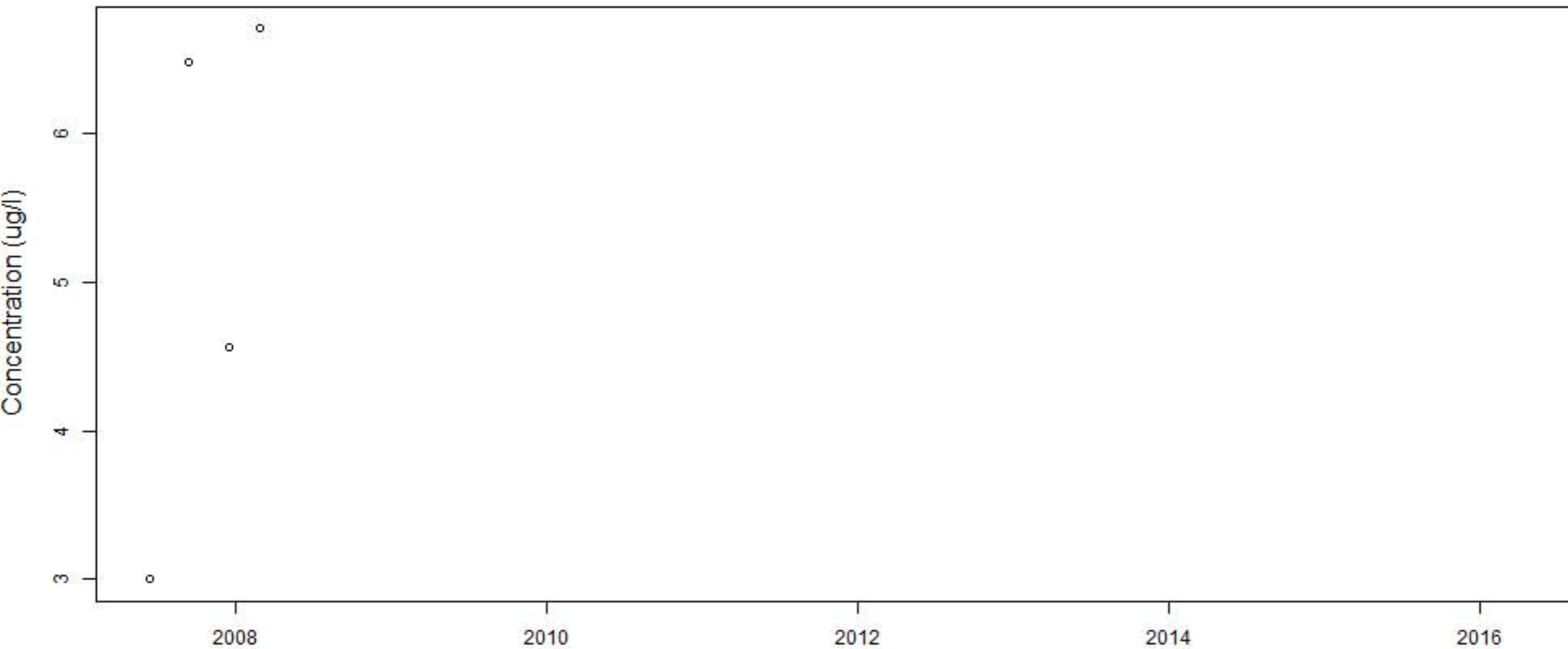


# BECY.7ra.Grab

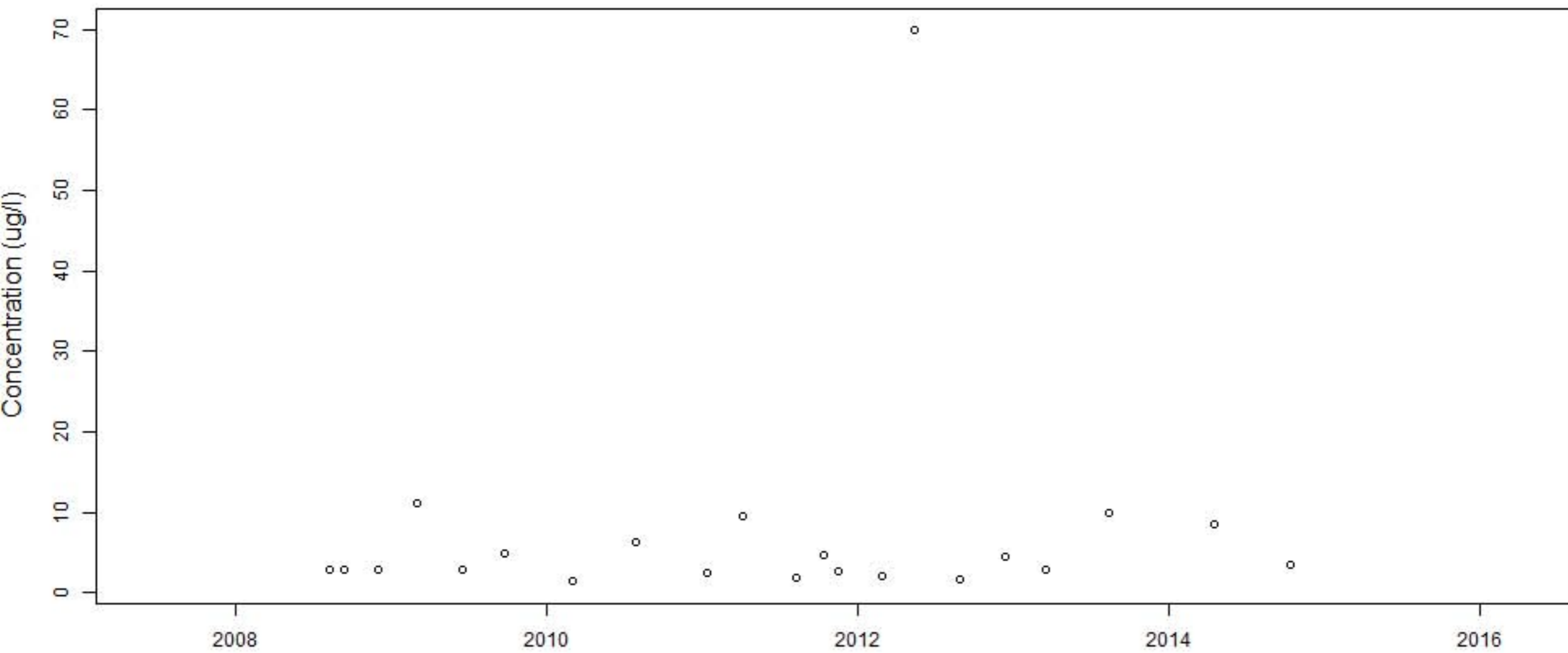




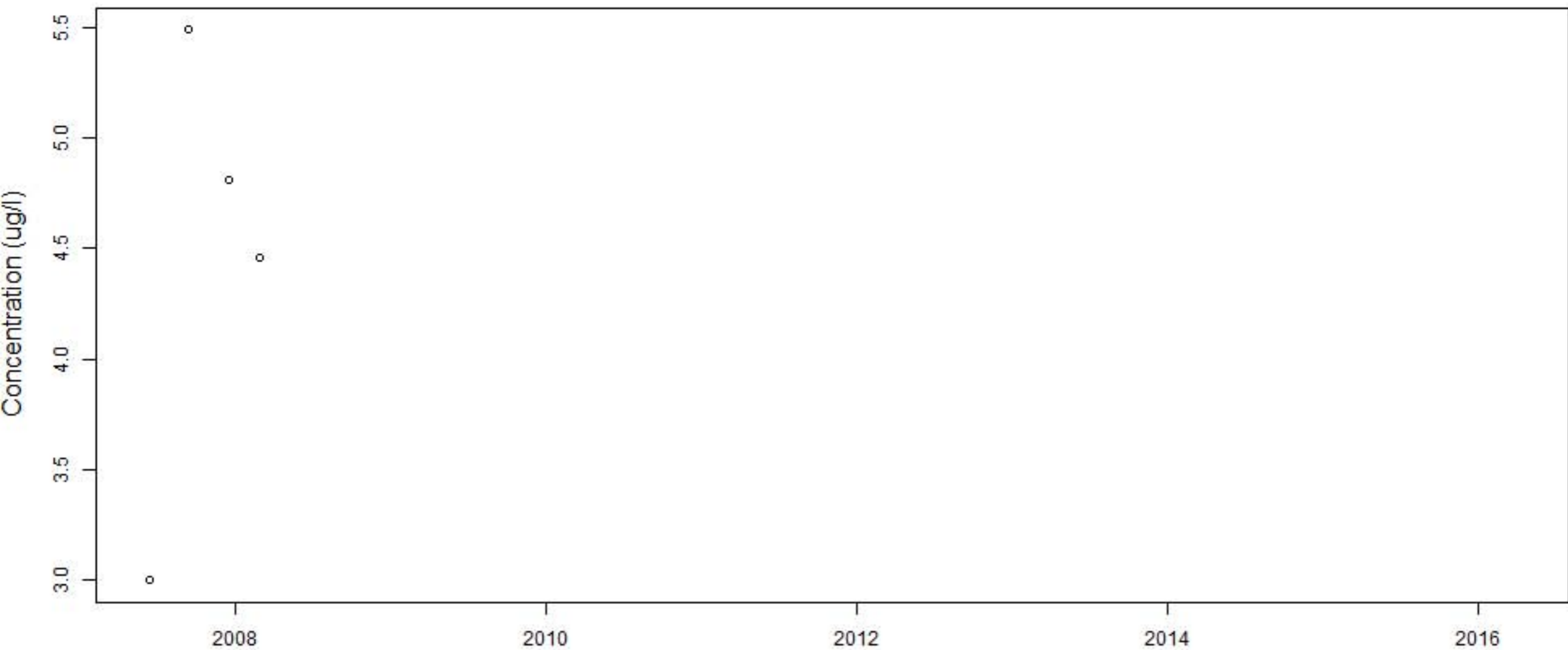
# BECY.8



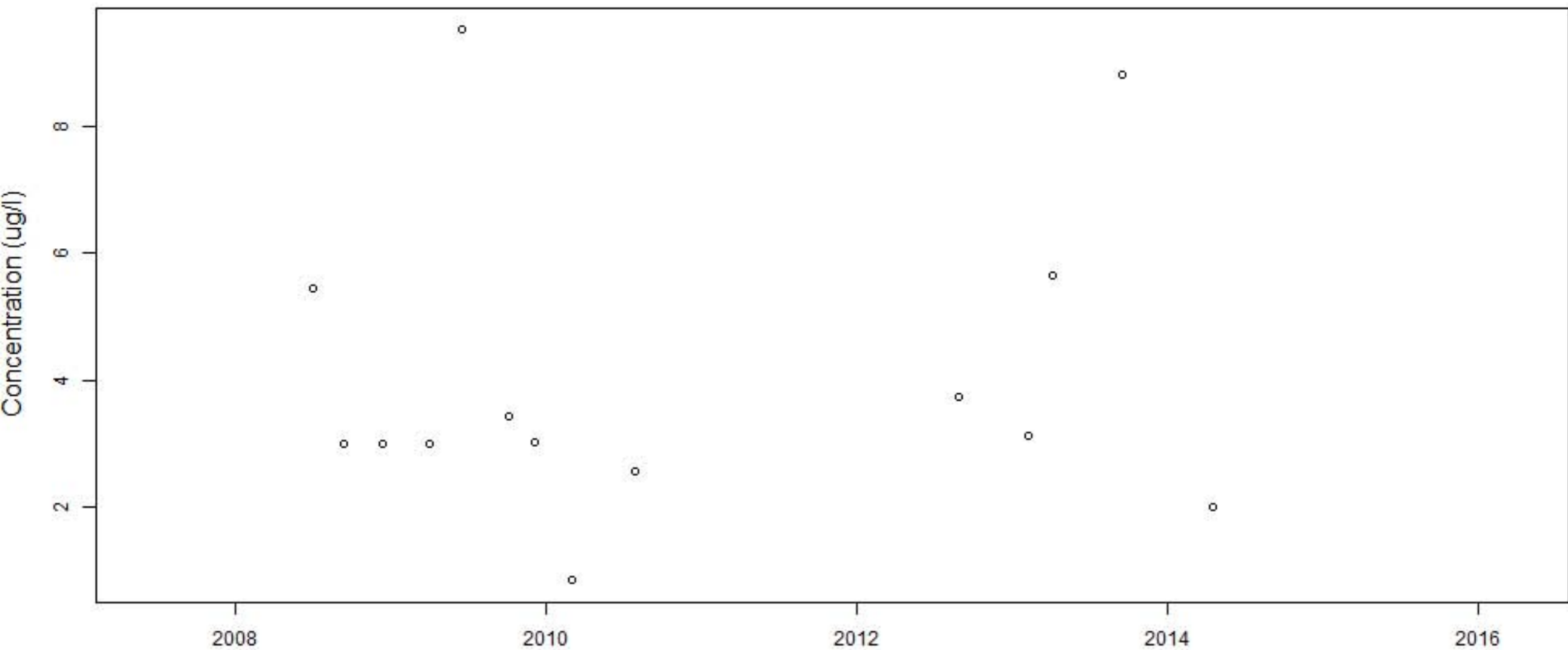
# BECY.8r



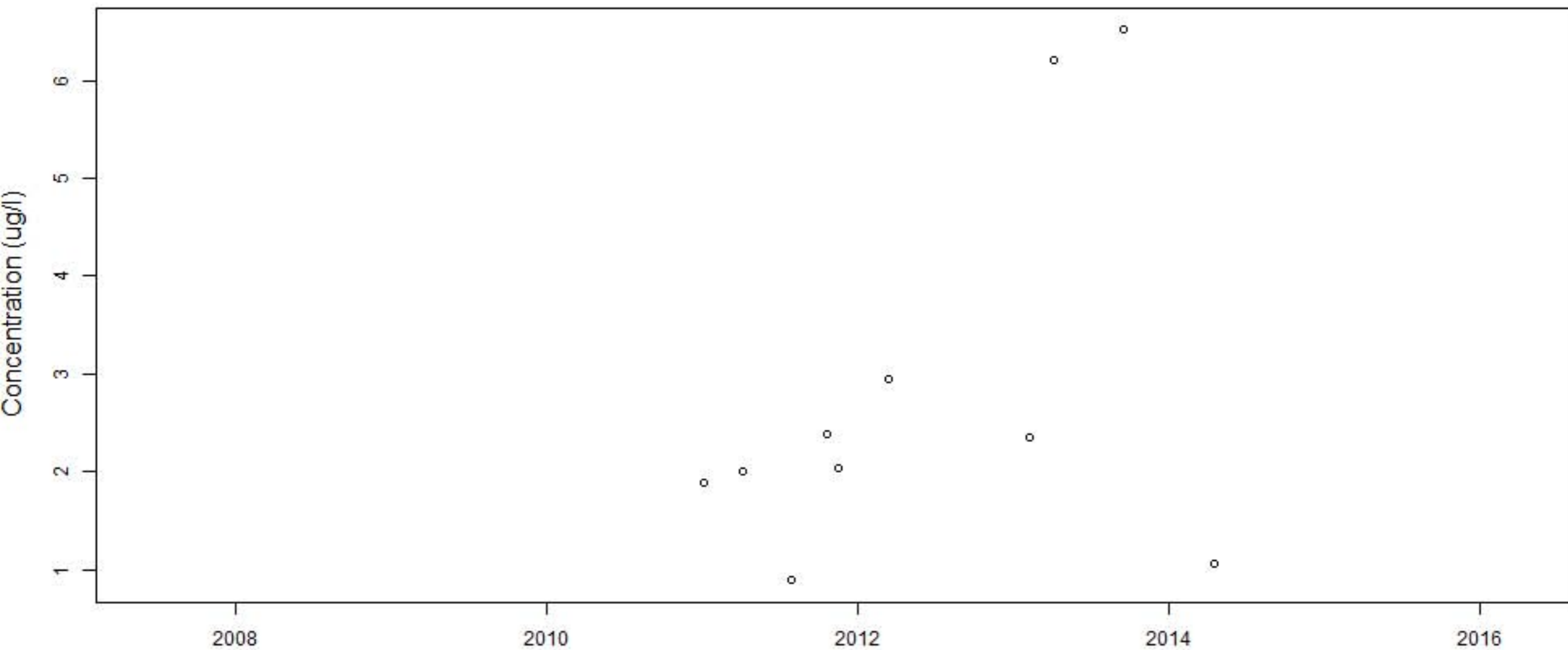
# BECY.9



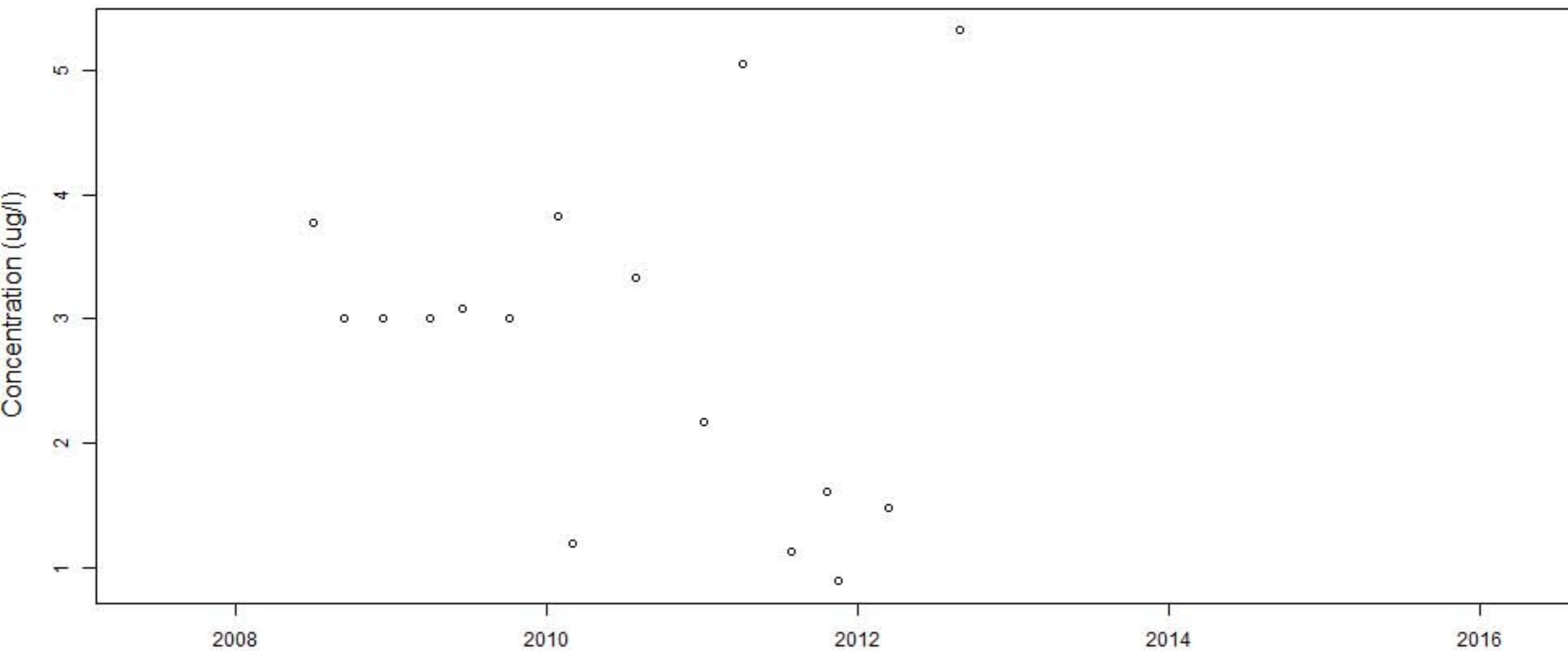
BECY.9ra.Comp



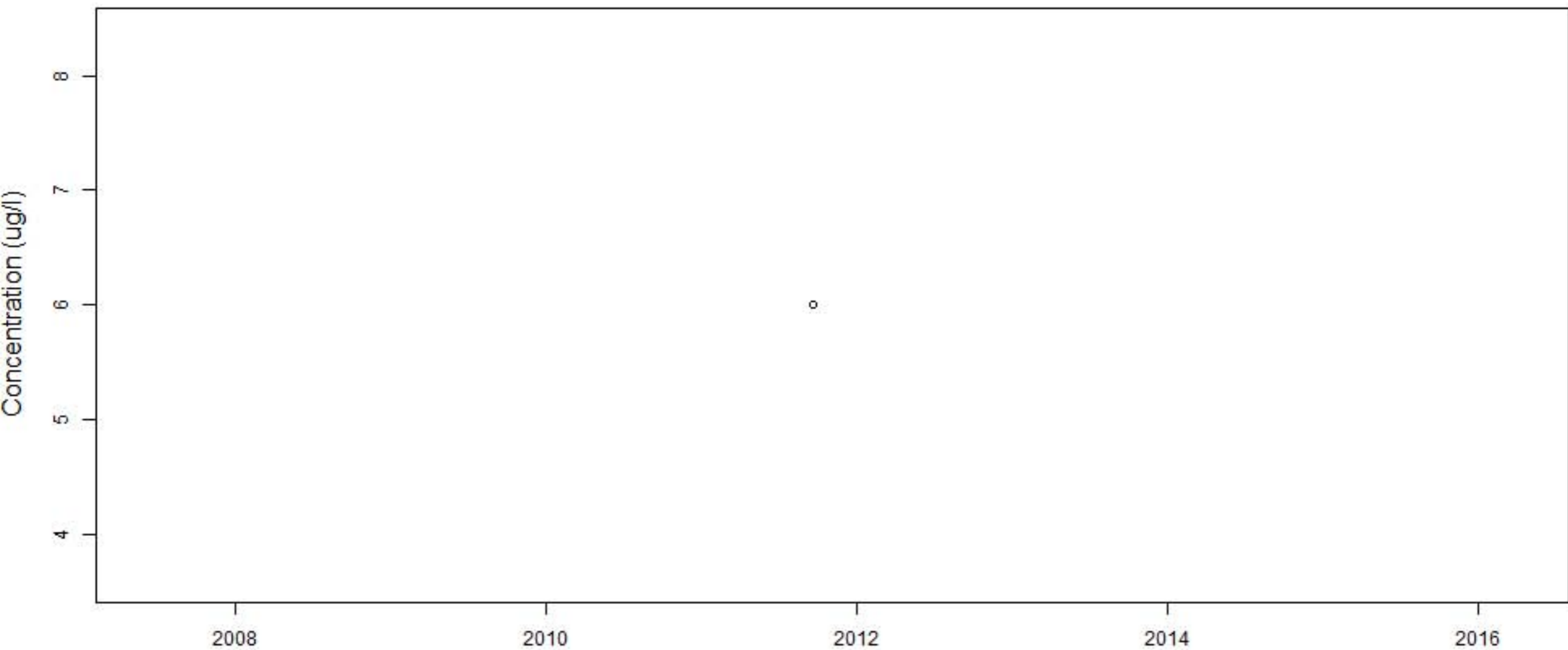
# BECY.9ra.Grab.after



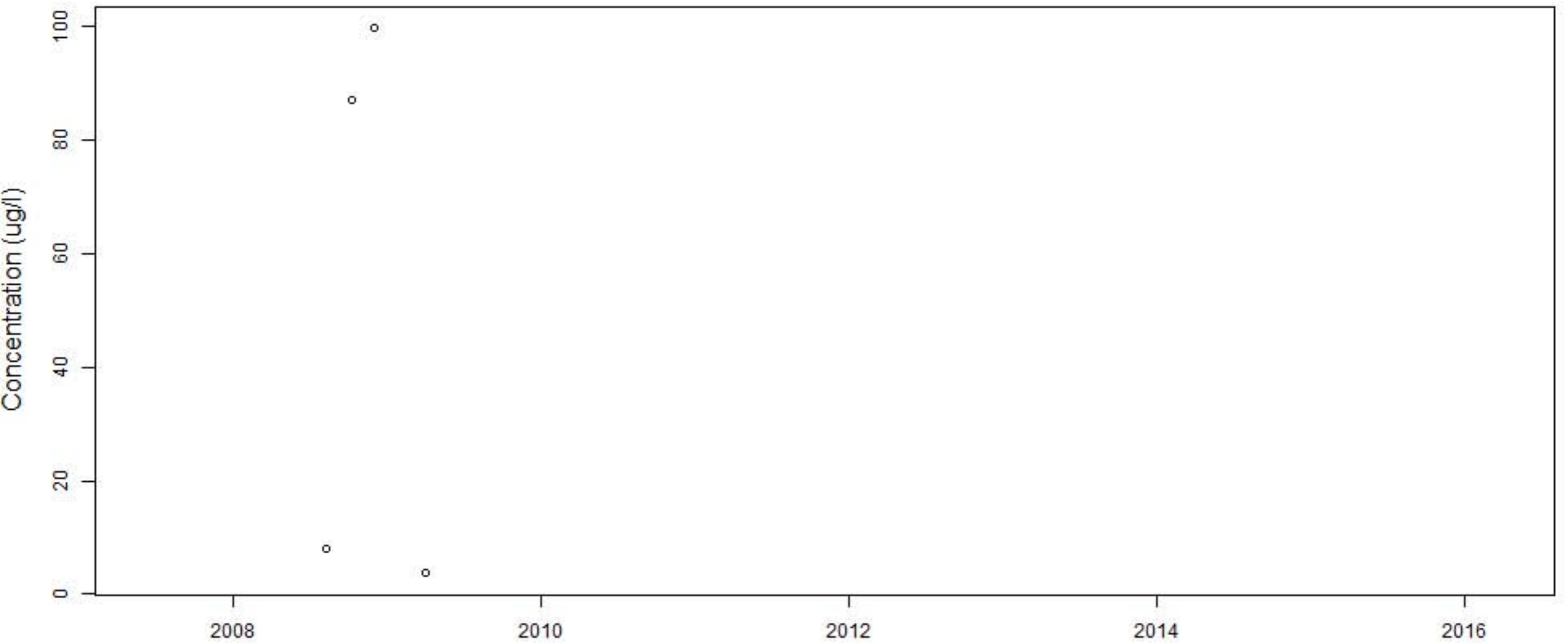
# BECY.9ra.Grab



# BLUEWATER

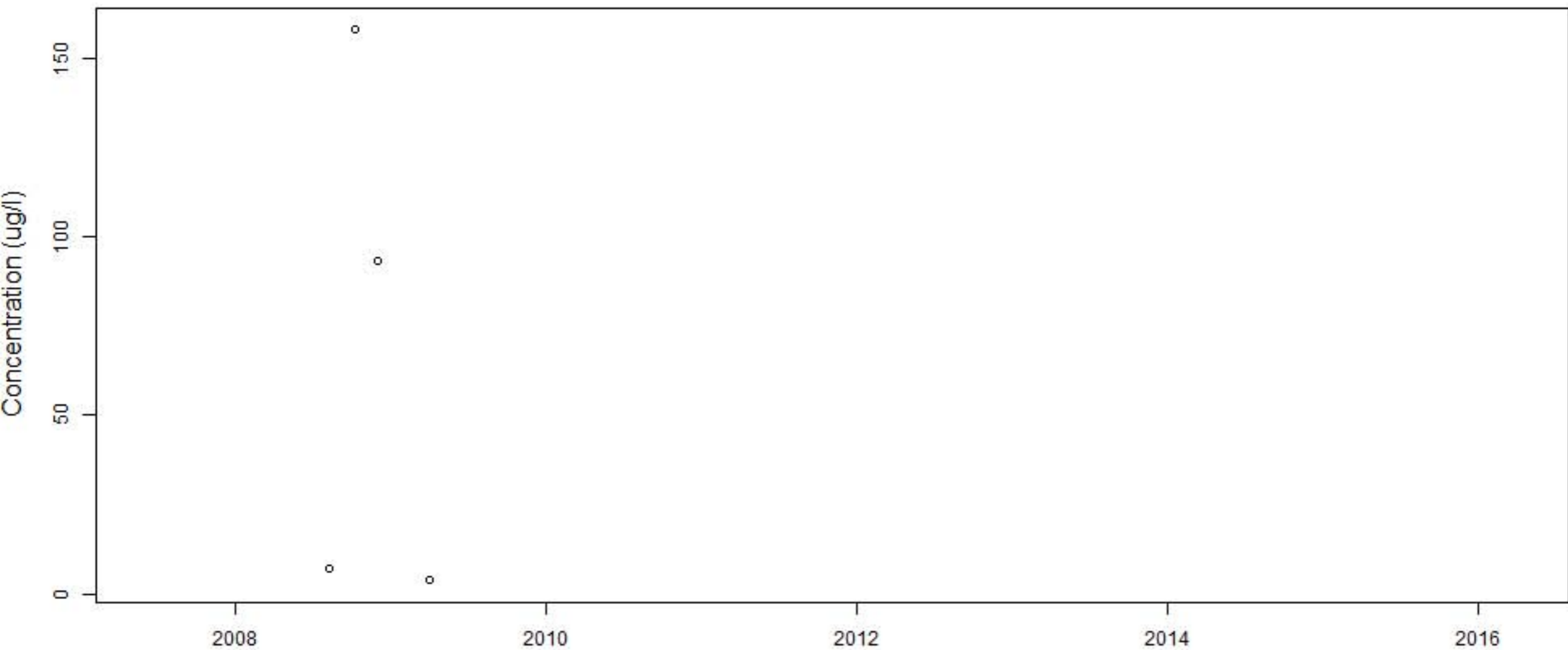


# BM Pep...IN.COMP

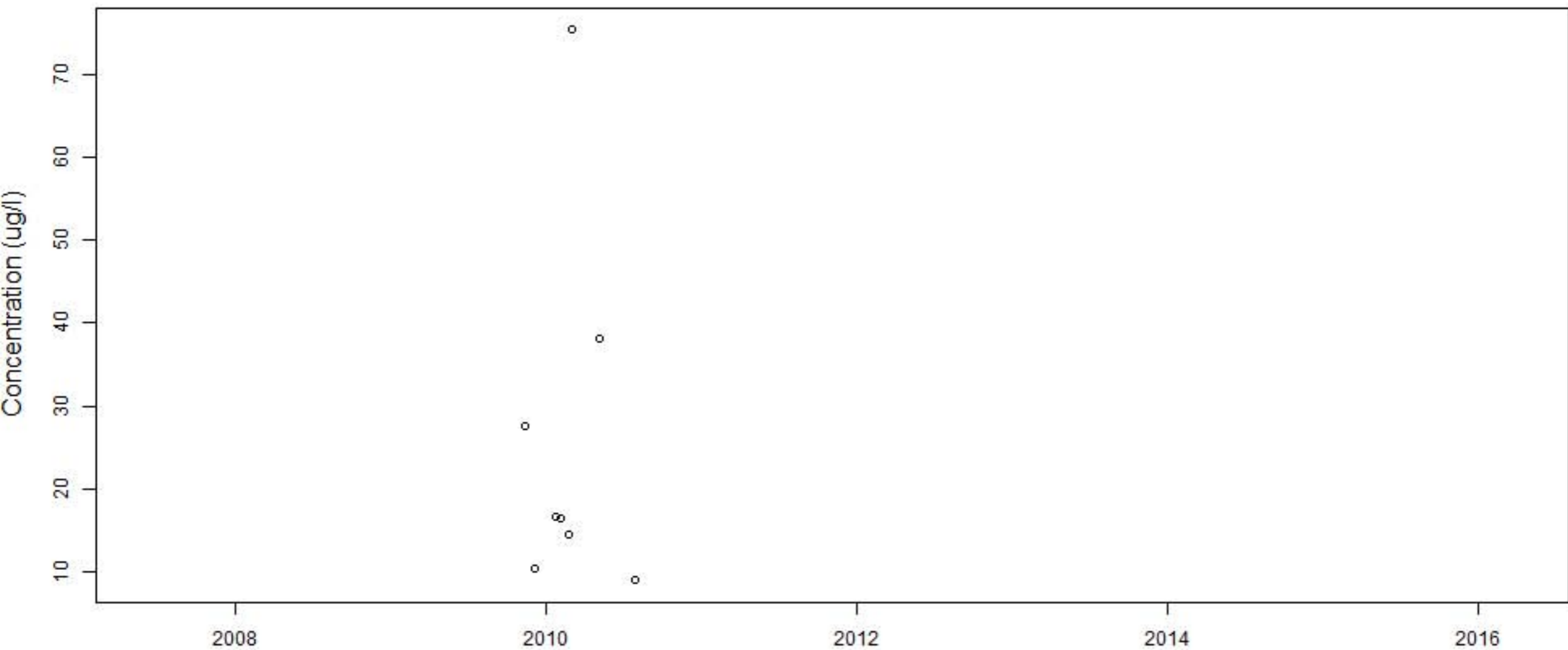




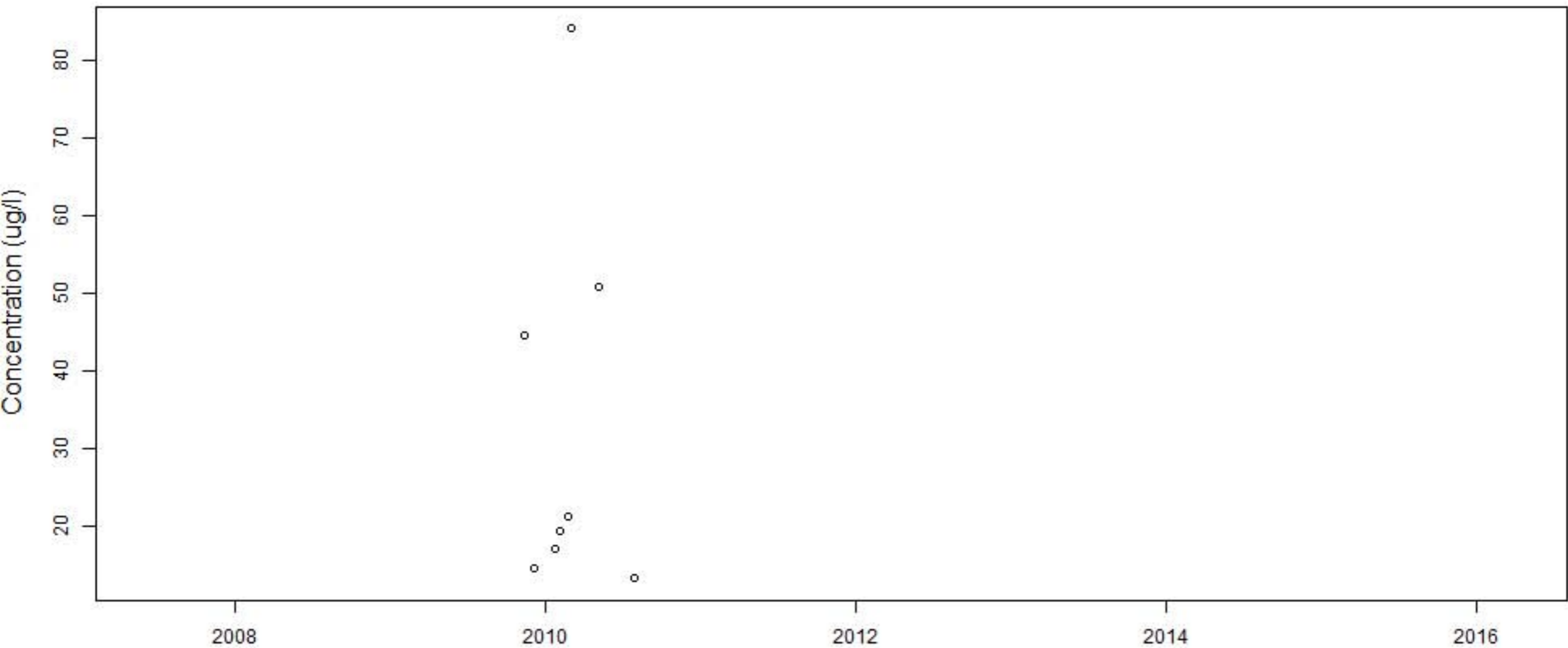
# BM Pep...IN.GRAB



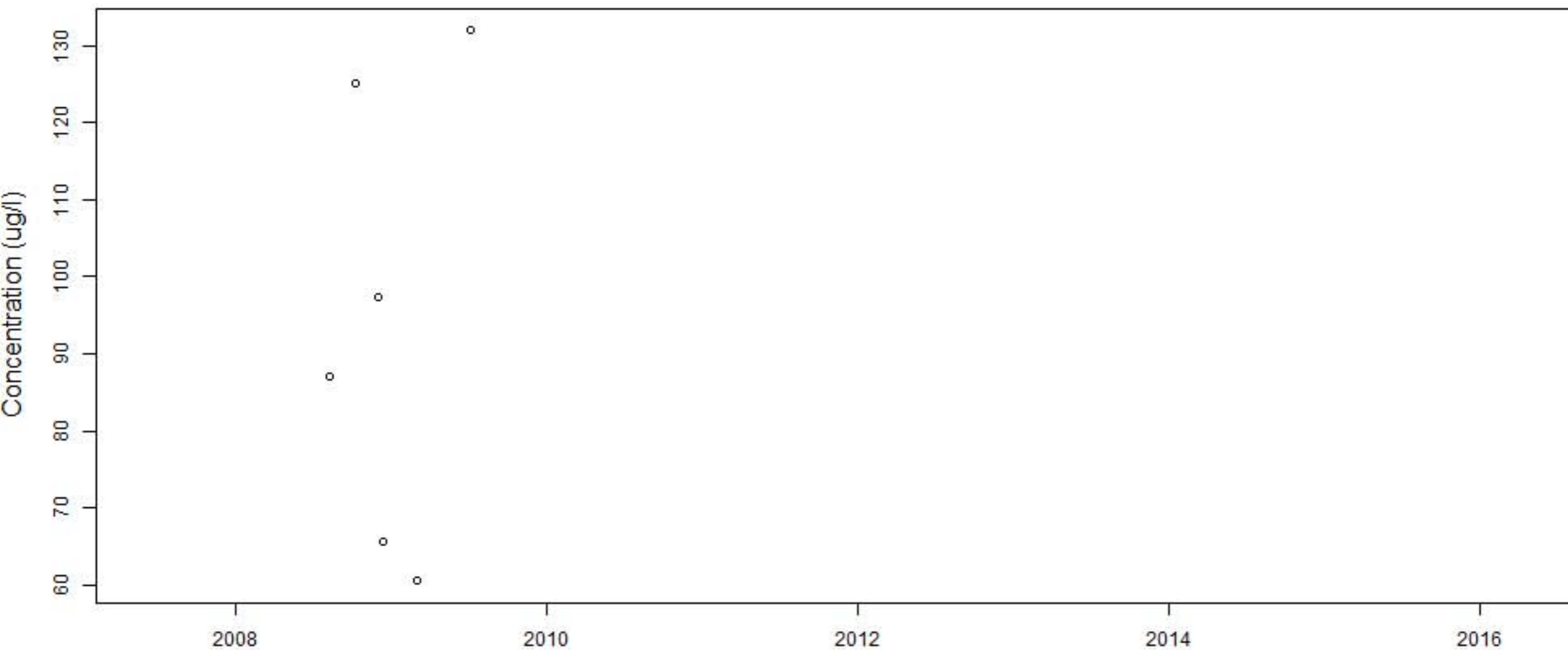
# BMPep...OUT.COMP...dissolved



BM Pep...OUT.COMP...total

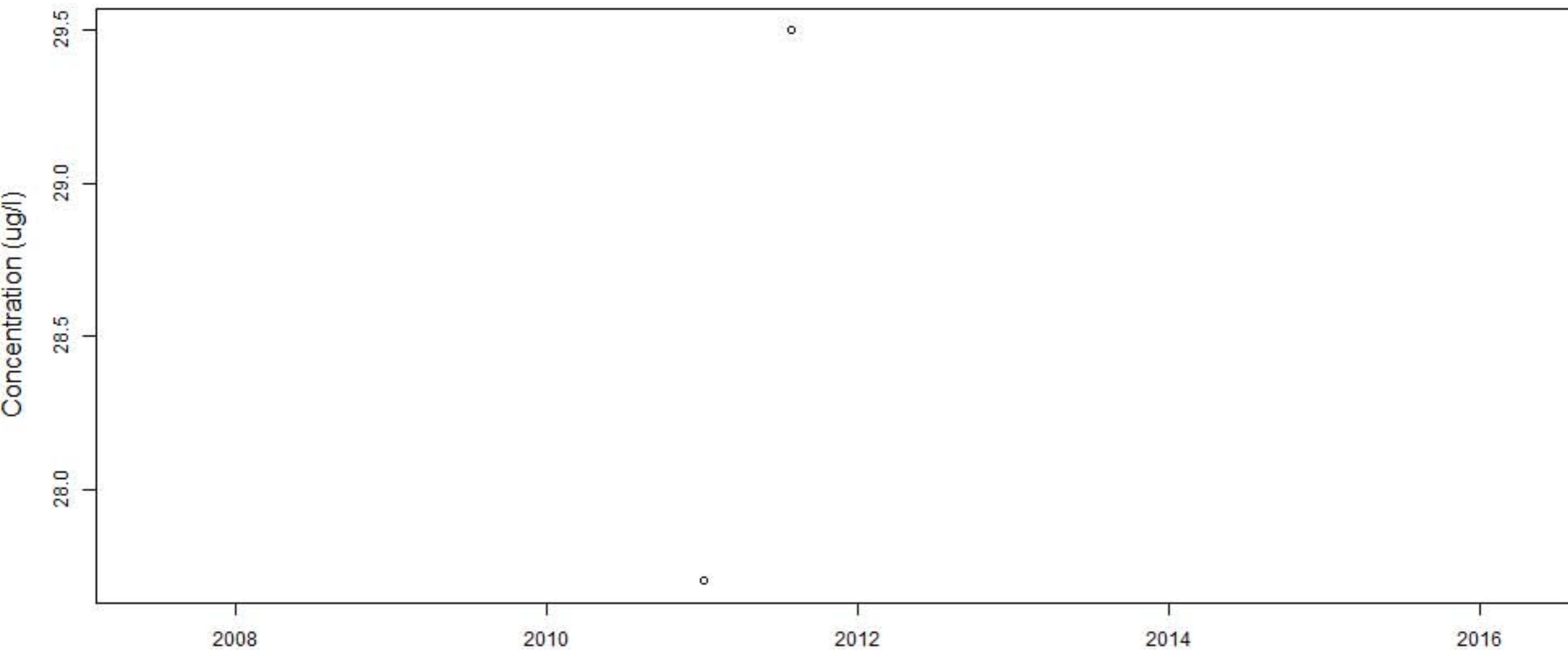


# BM Pep...OUT.COMP

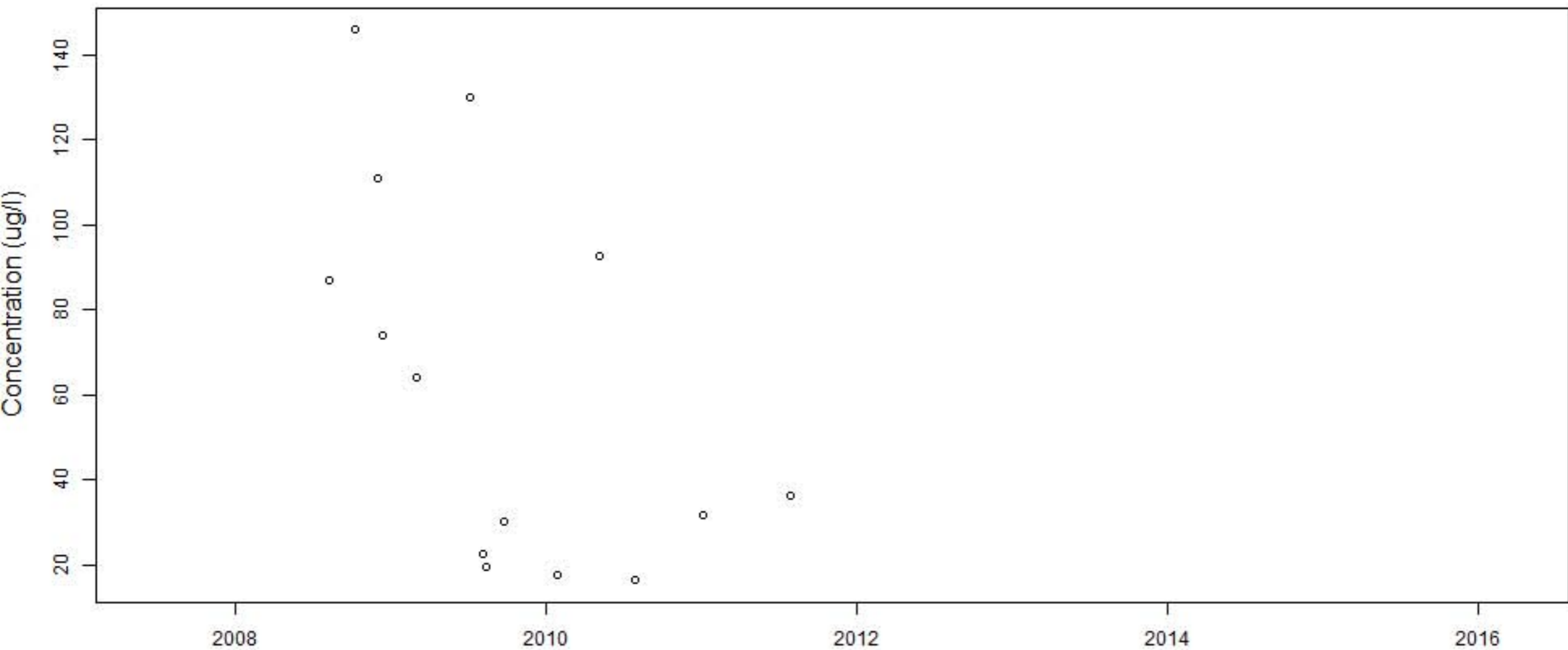




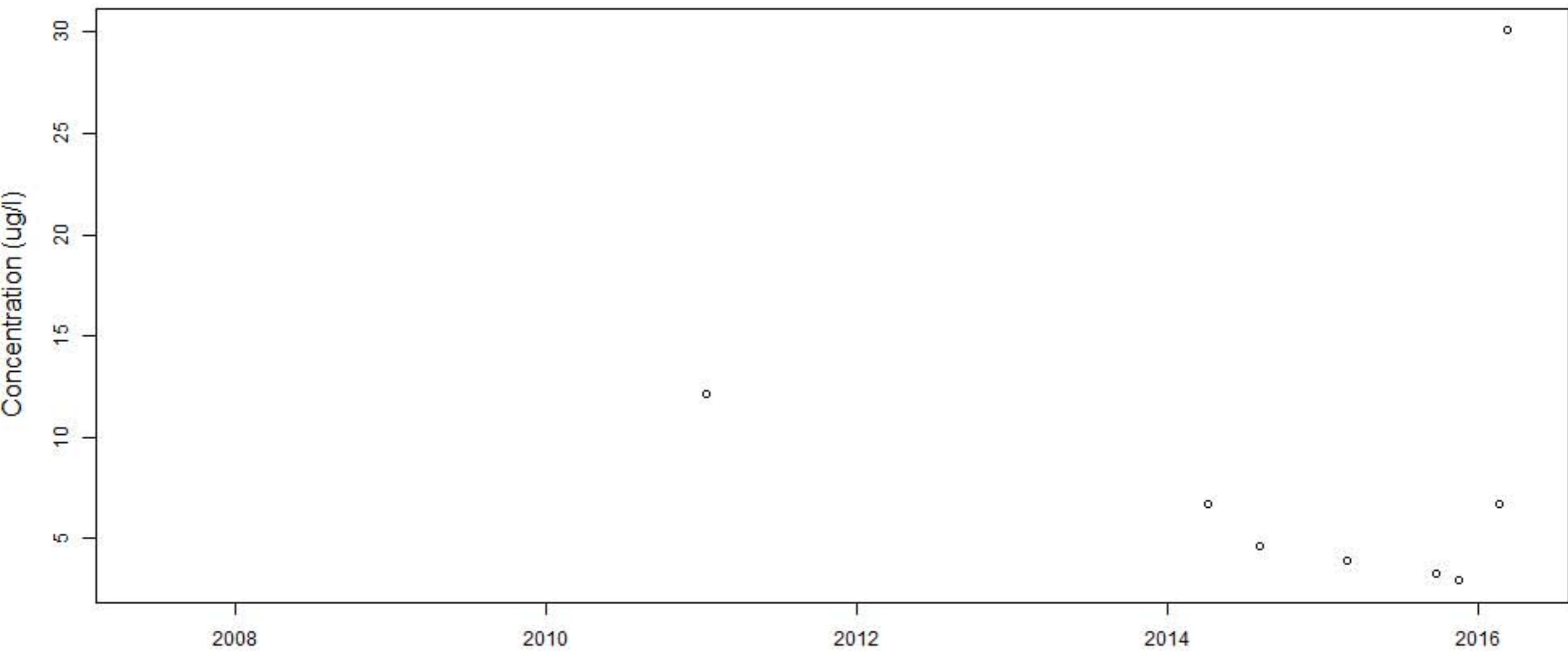
BM Pep...OUT.grab.after...total



# BM Pep...OUT.GRAB

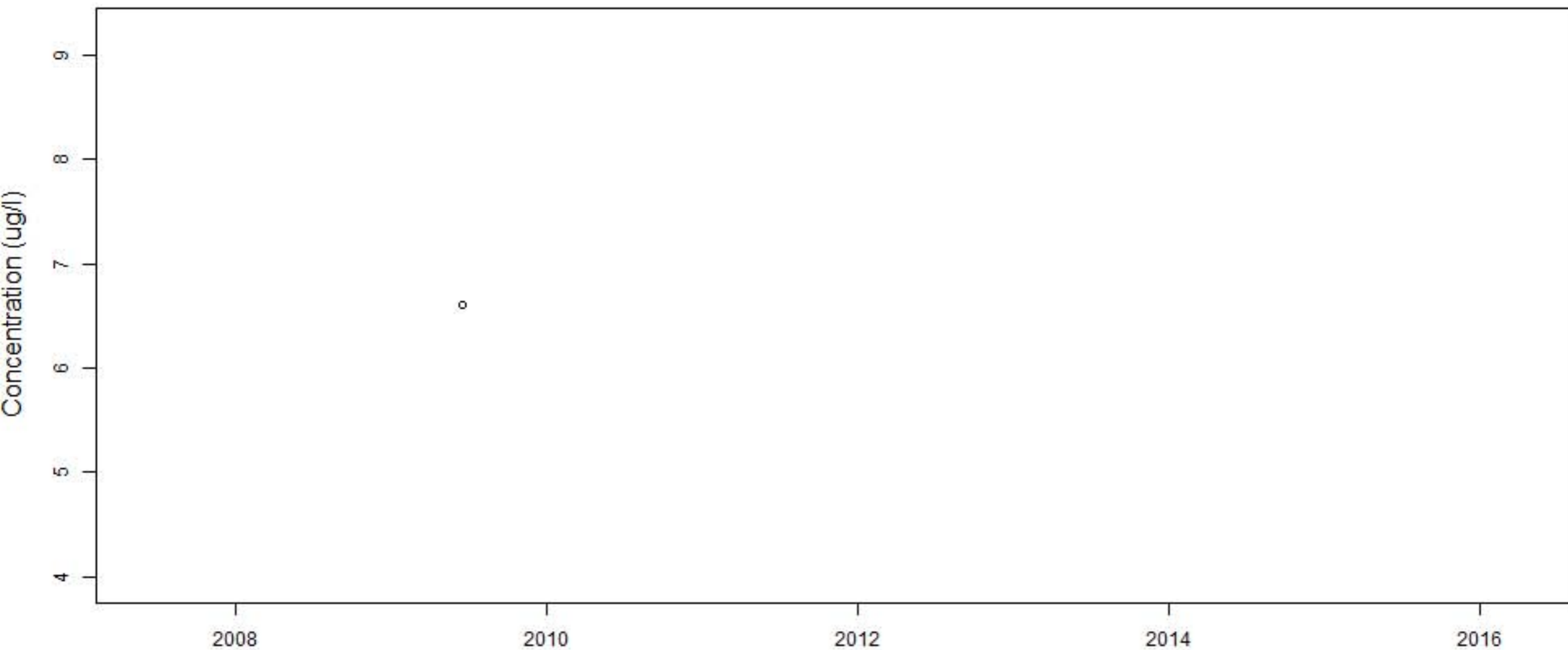


# BROAD.POINTE

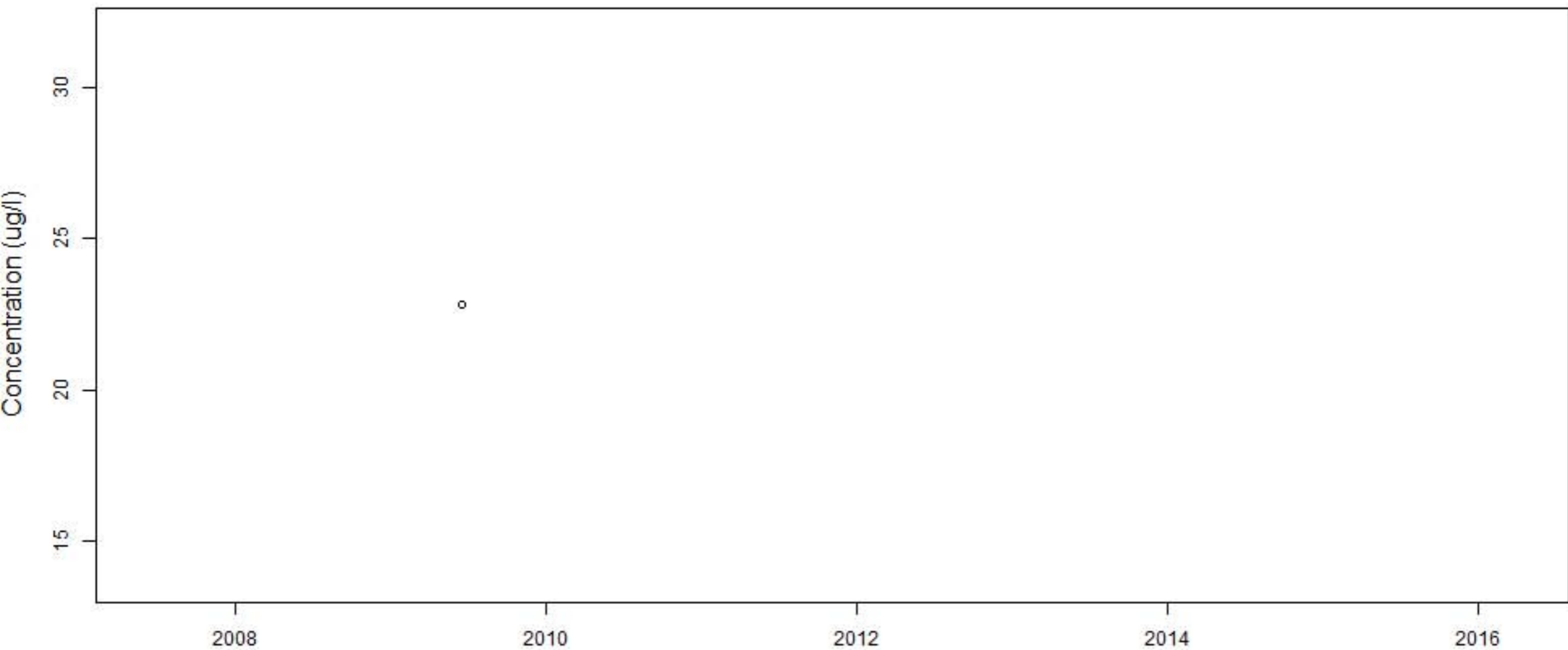




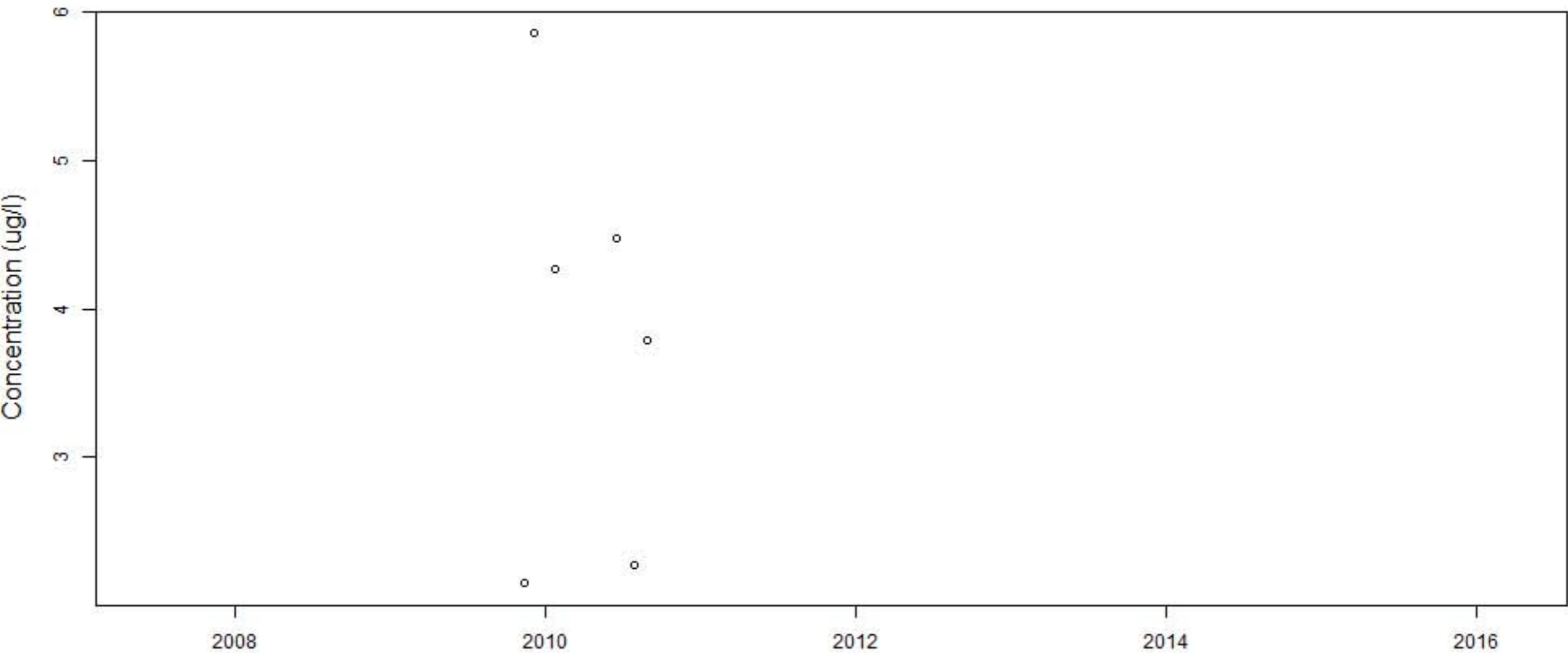
# Christine.Place.Comp



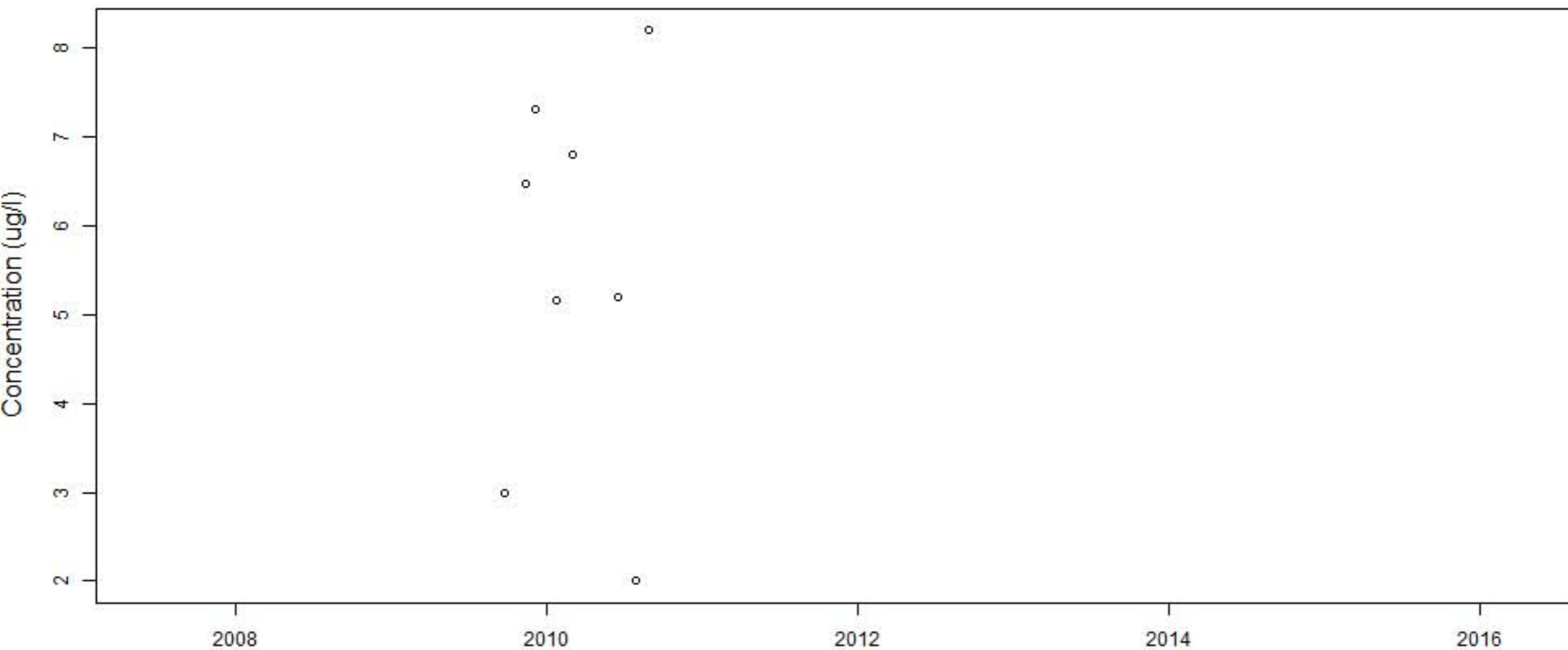
# Christine.Place.Grab



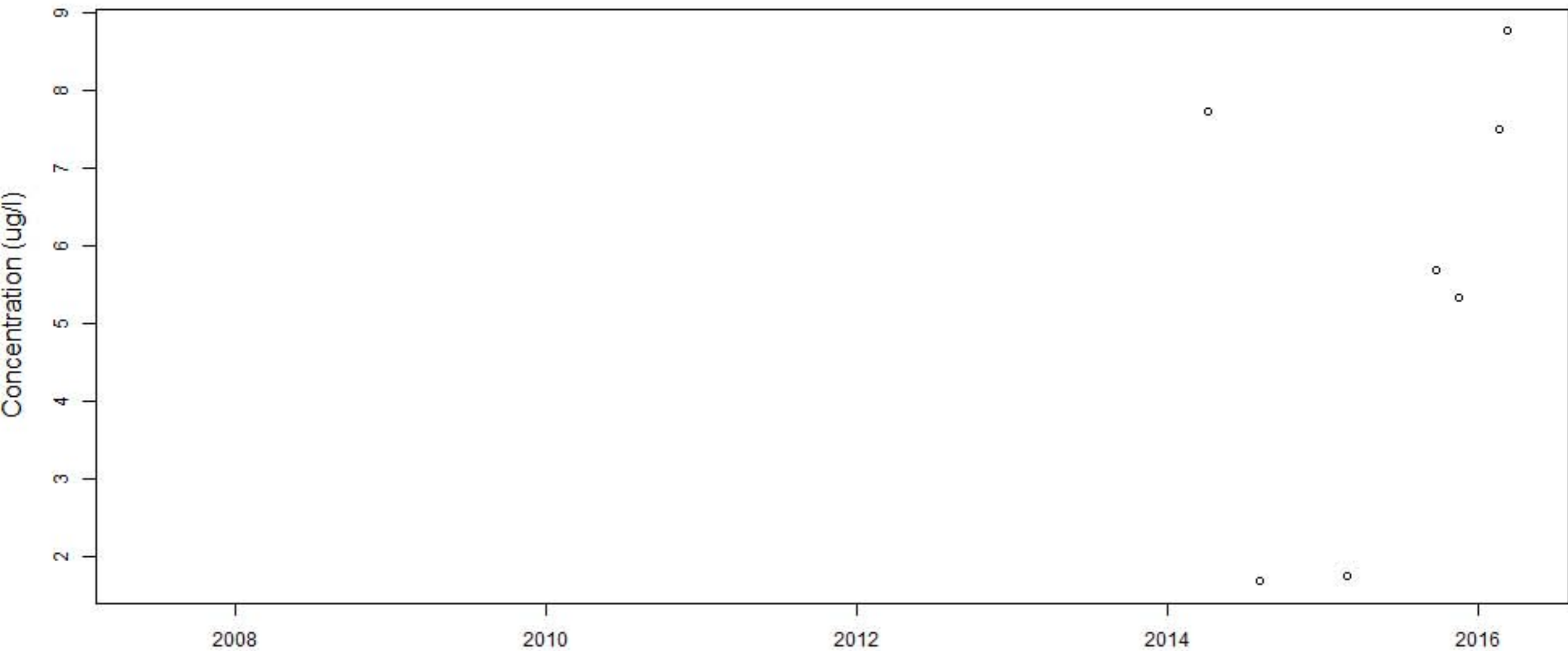
Christine.Place.R...dissolved



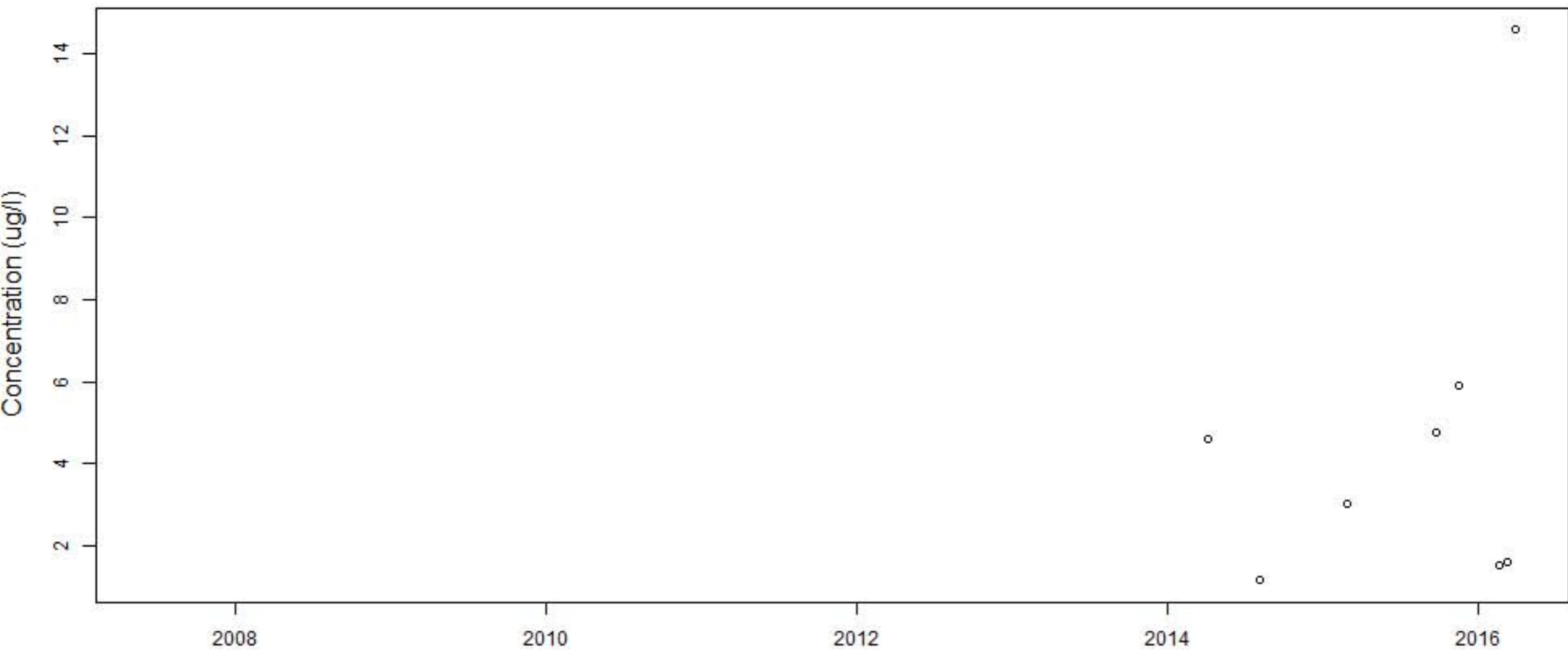
Christine.Place.R...total



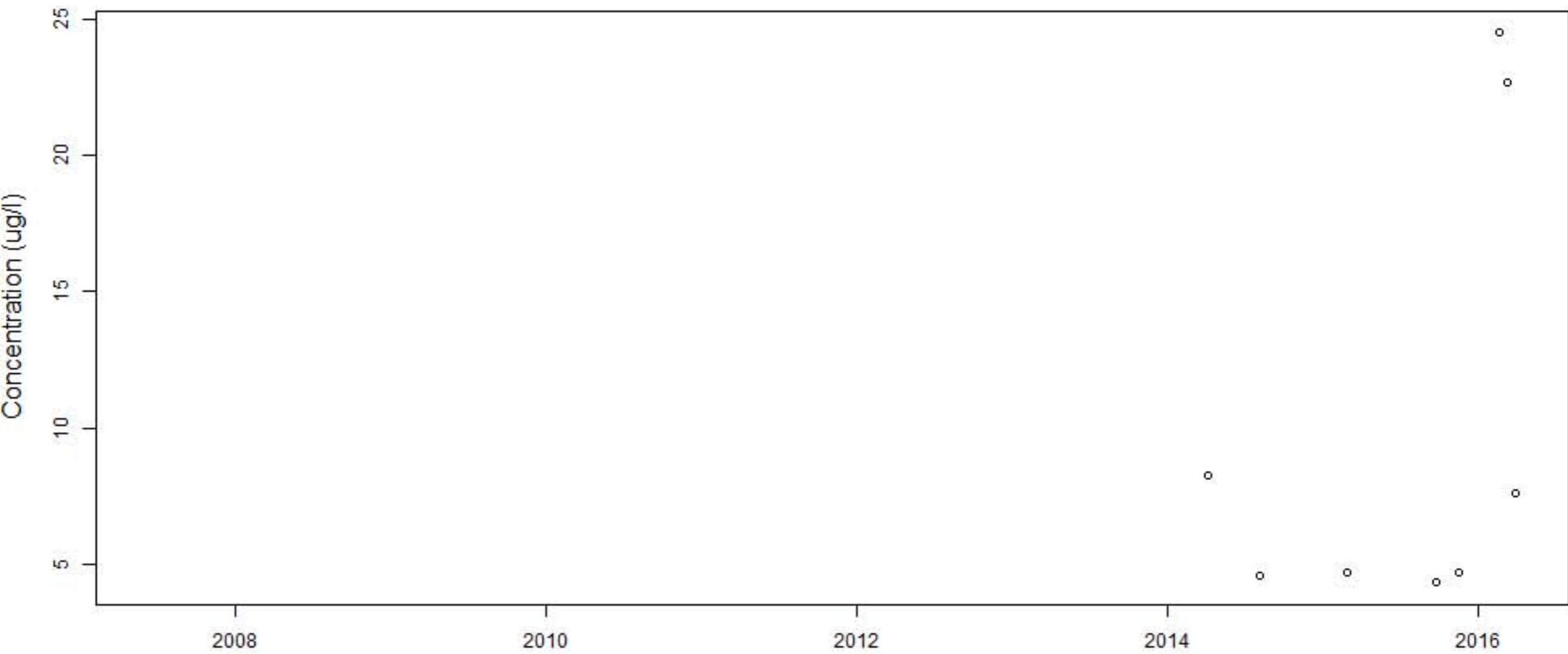
# CRACKER.BARREL



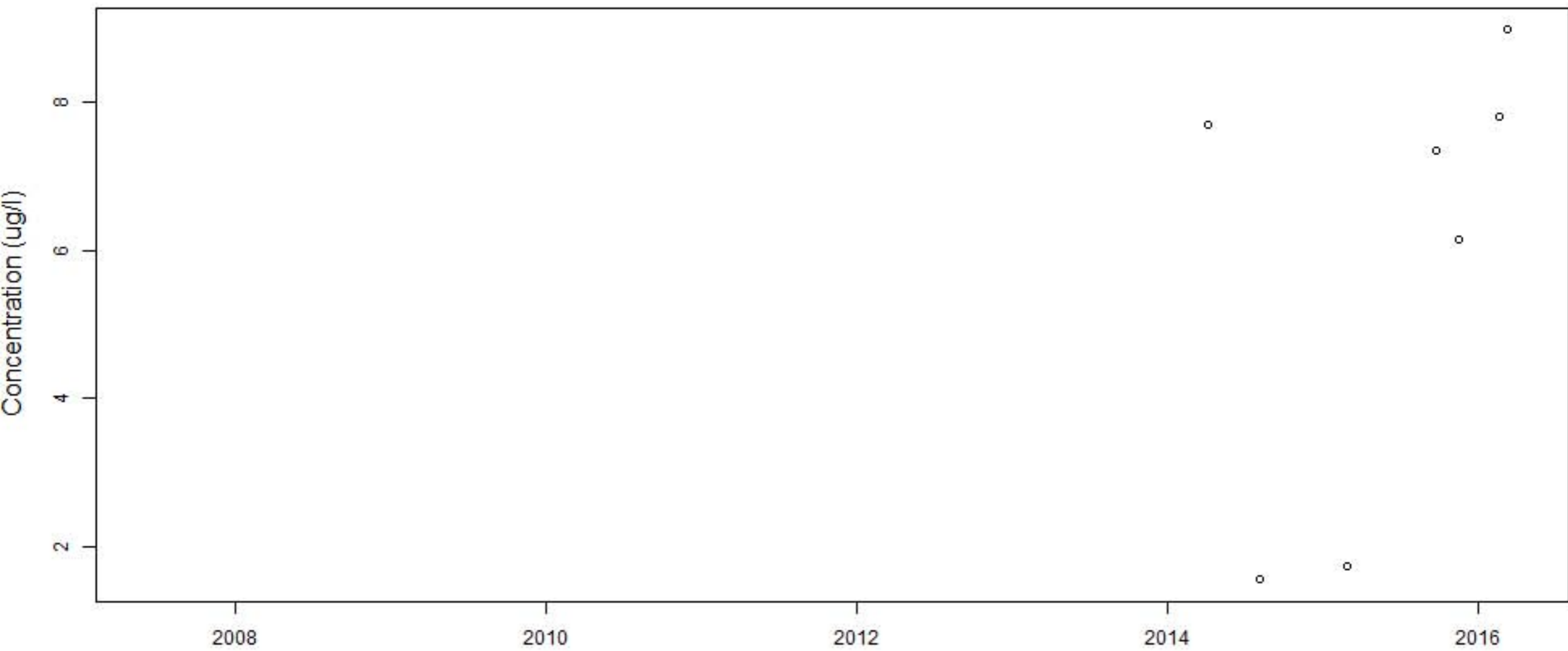
# CREATION.STATION



# CSA

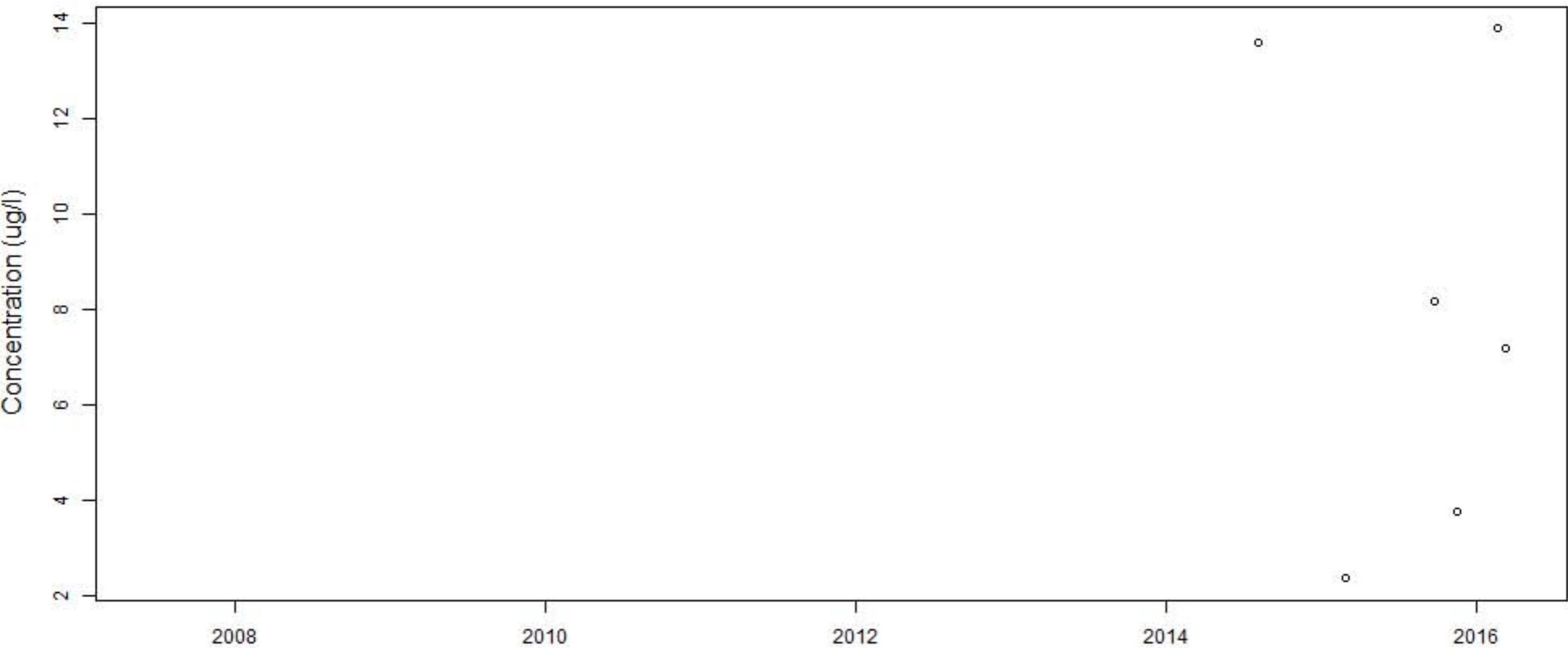


# DISNEY

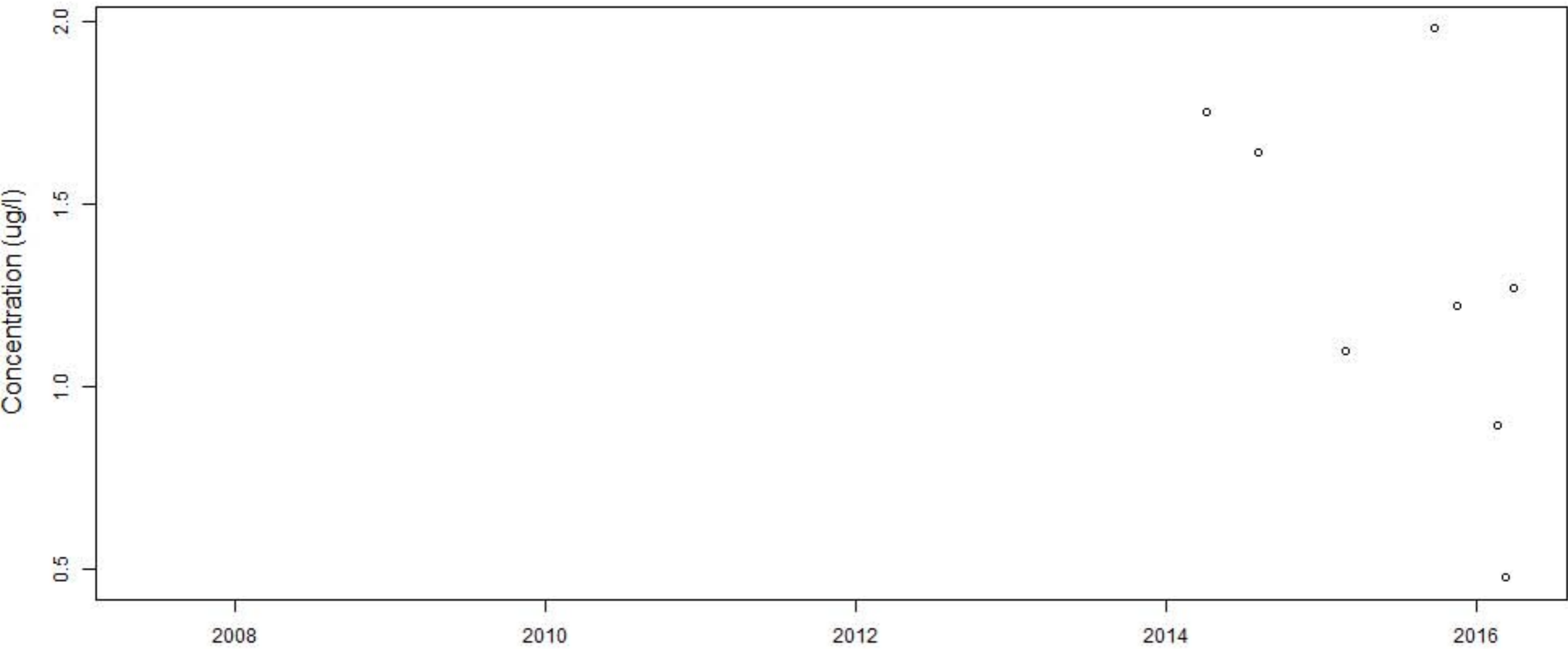




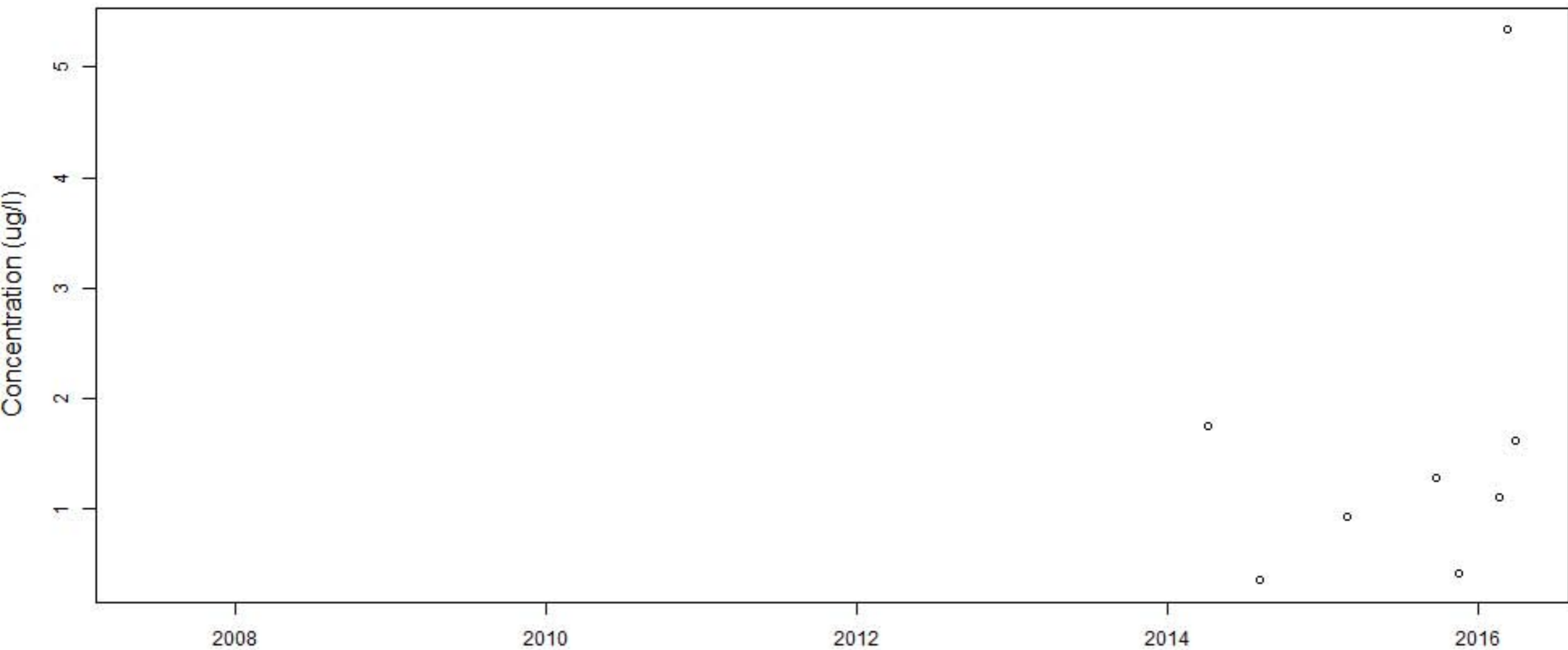
# FISH.HAUL



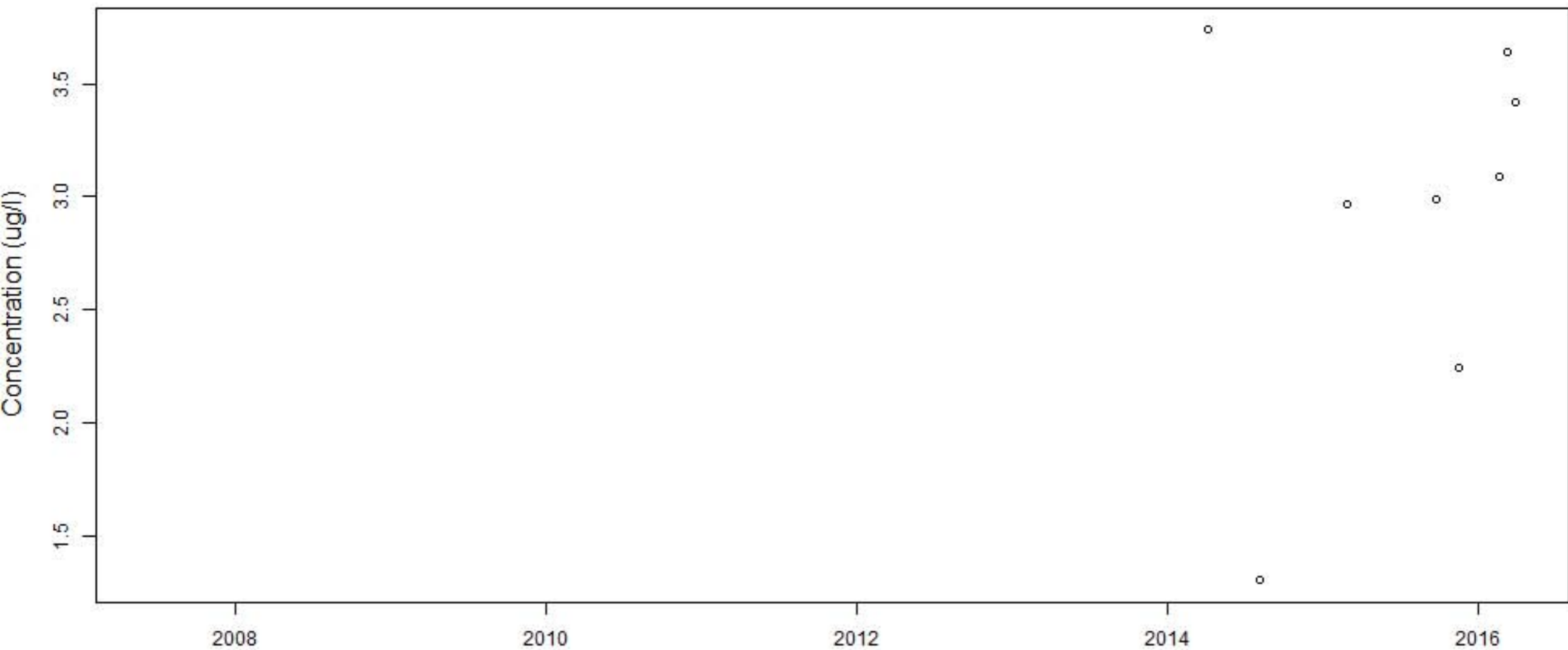
# GUM.TREE



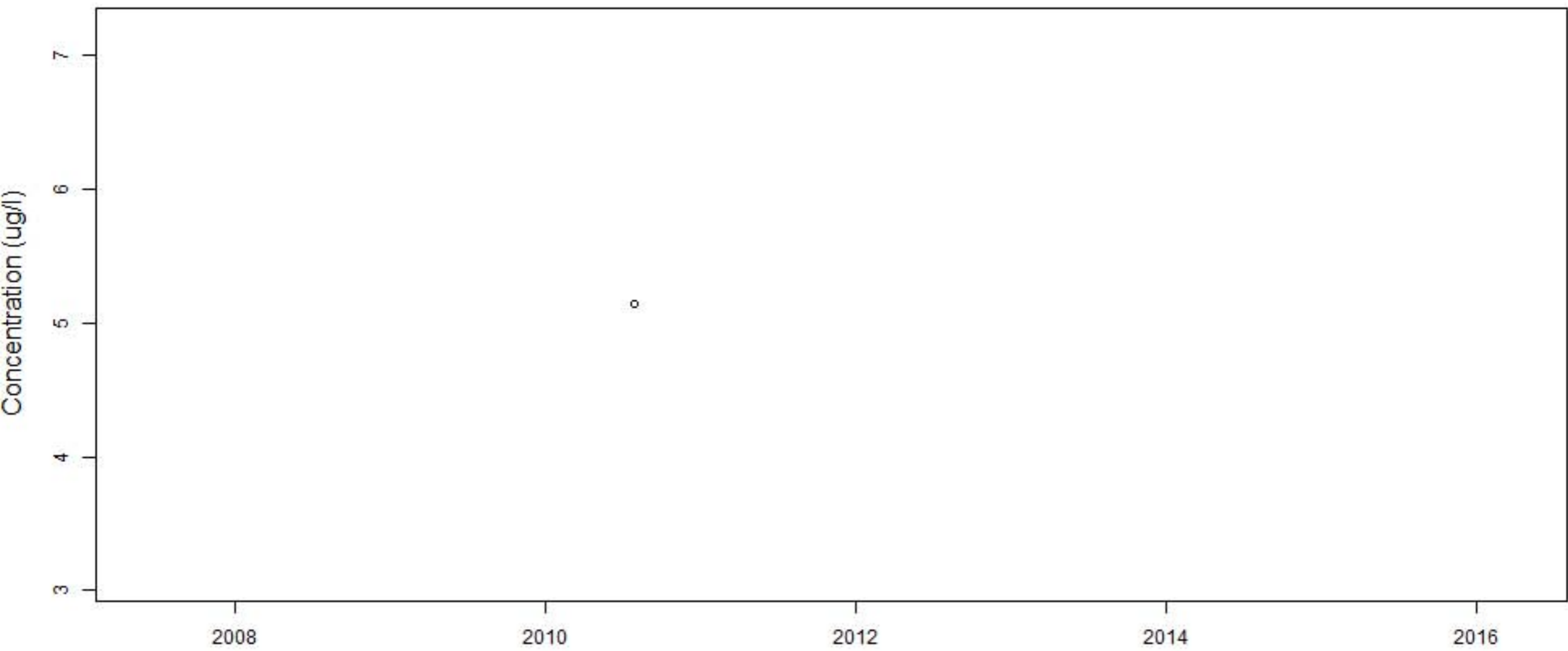
# HARBOR.MANOR



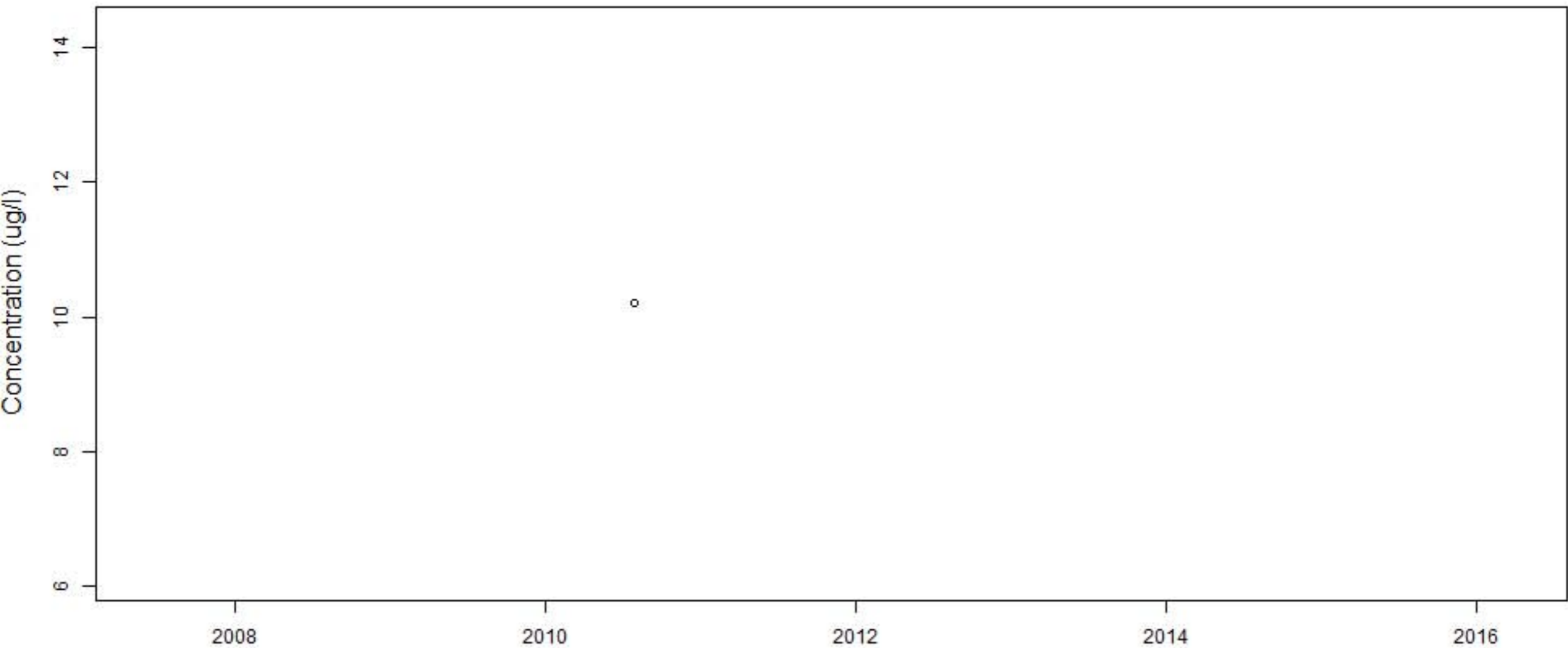
# HILTON.HEAD.PREP



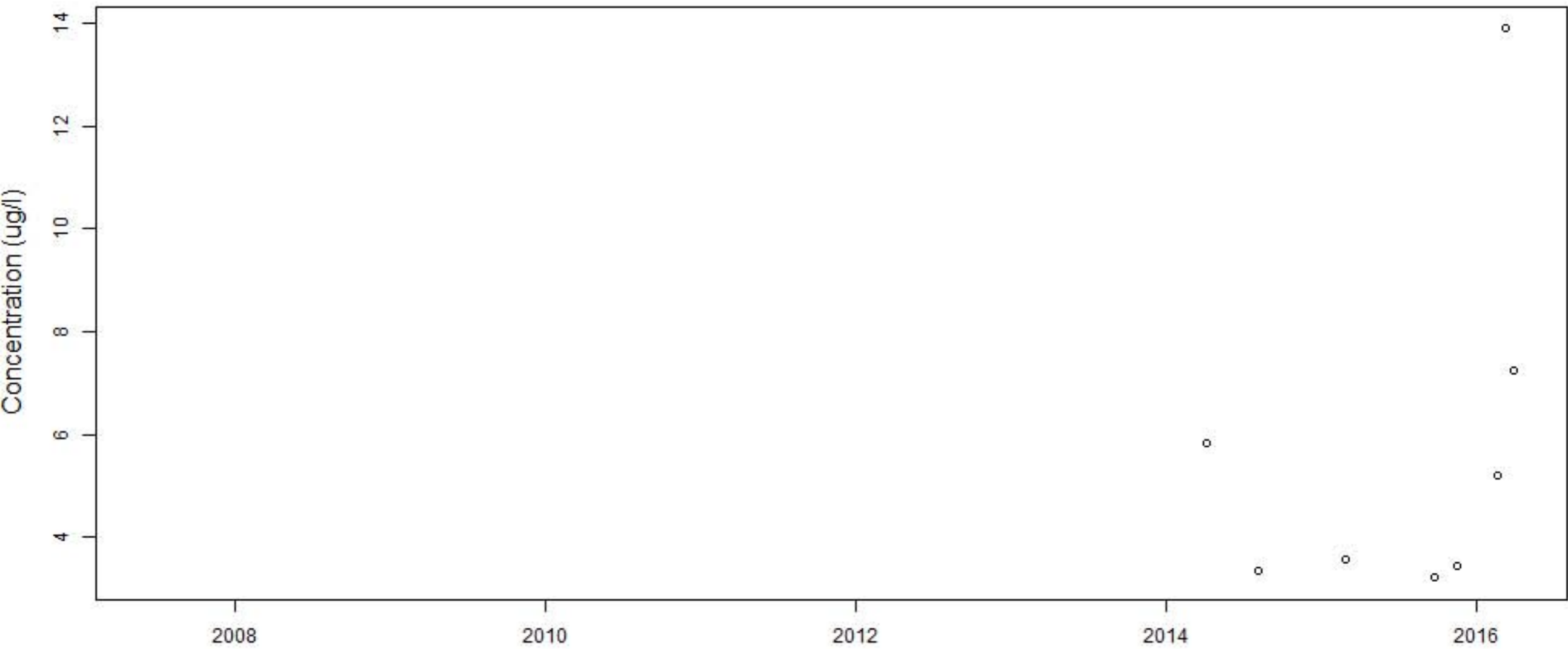
# HOA.Pond..dissolved.



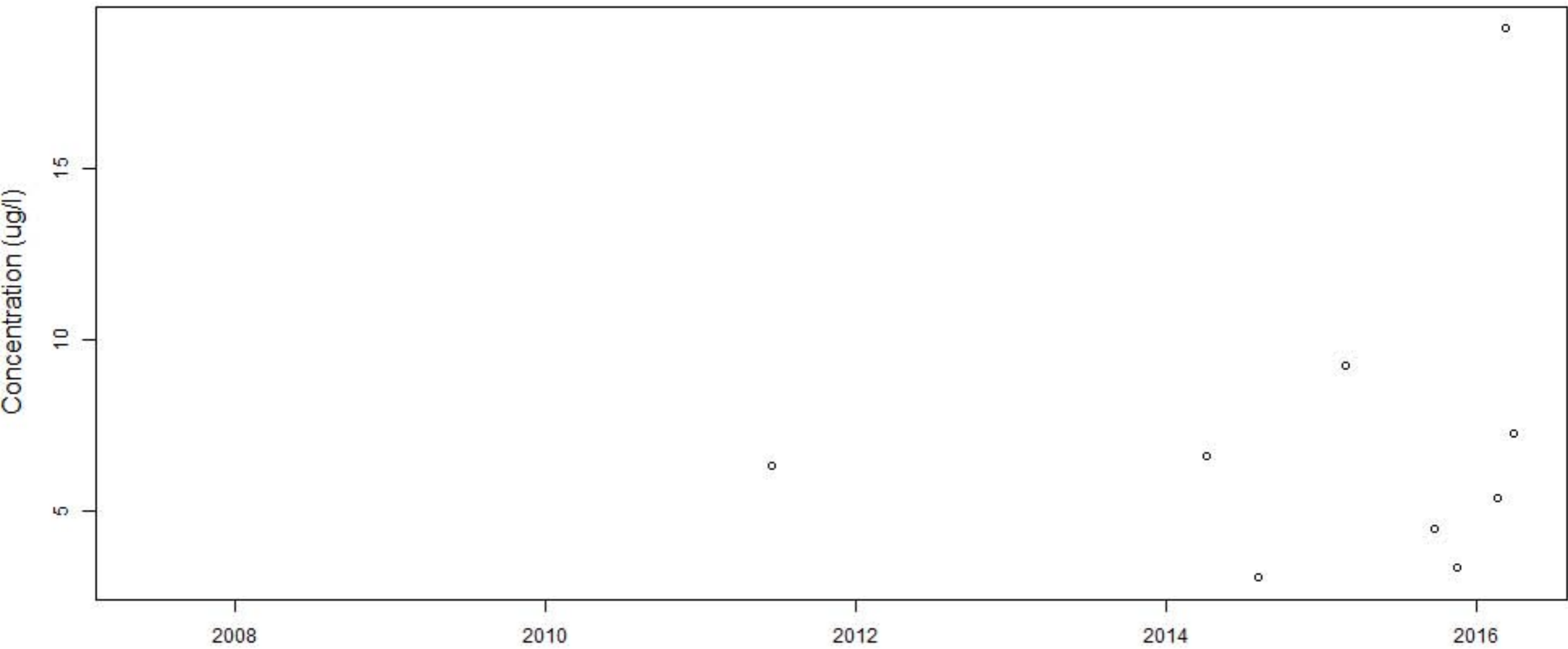
# HOA.Pond..total.



# JARVIS.1

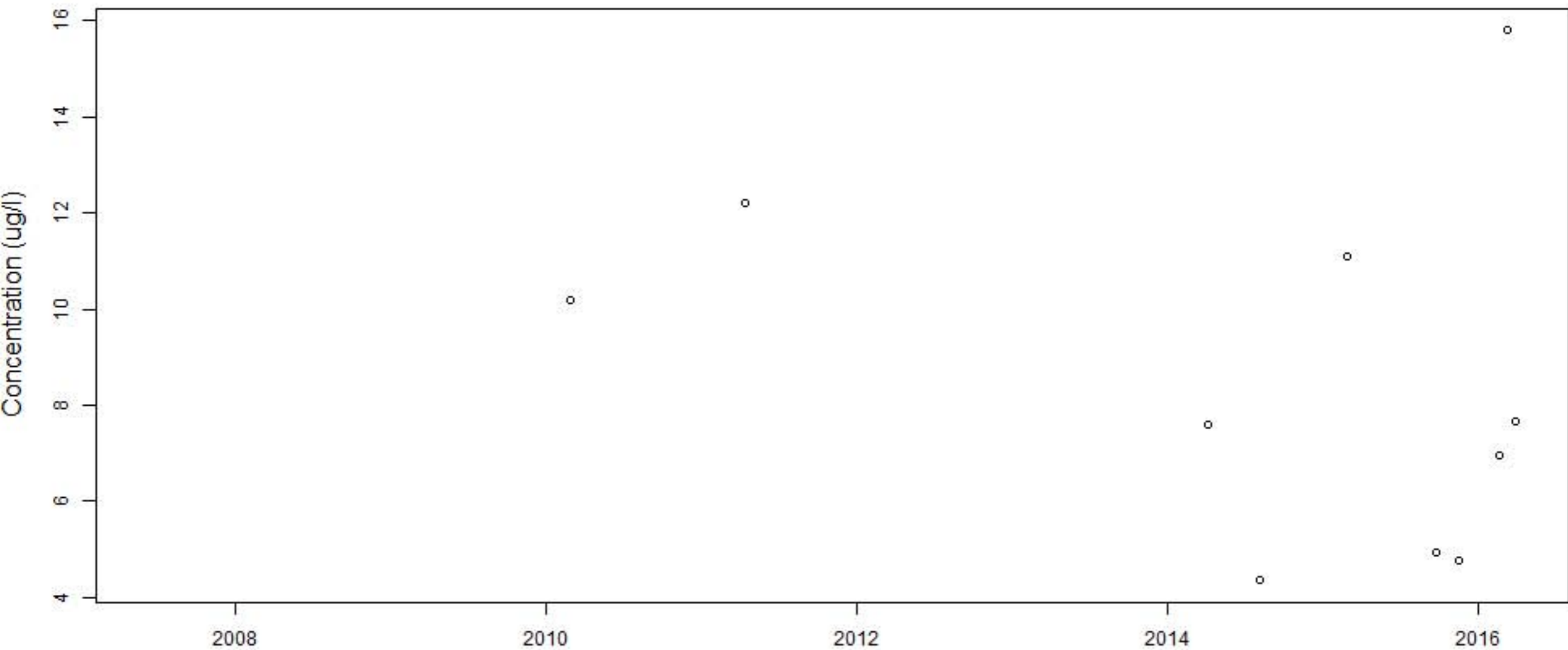


# JARVIS.2

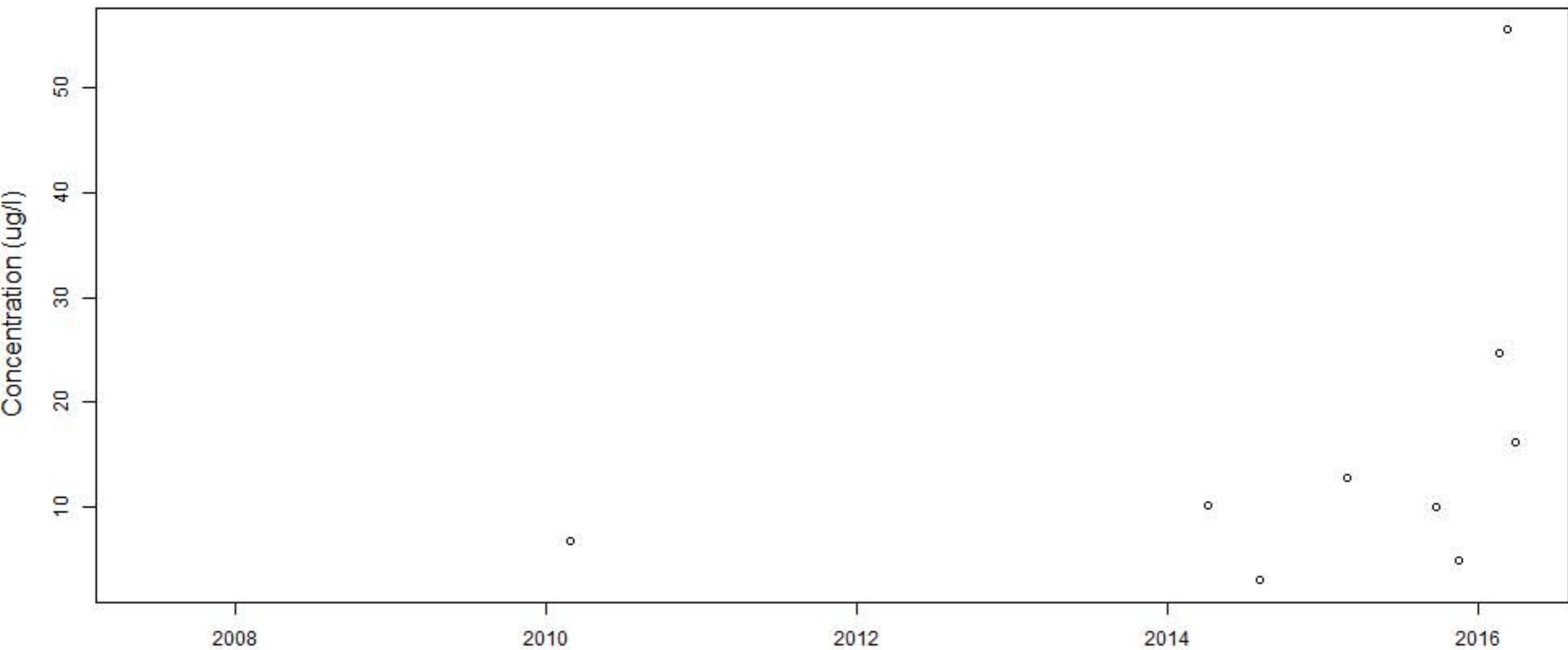




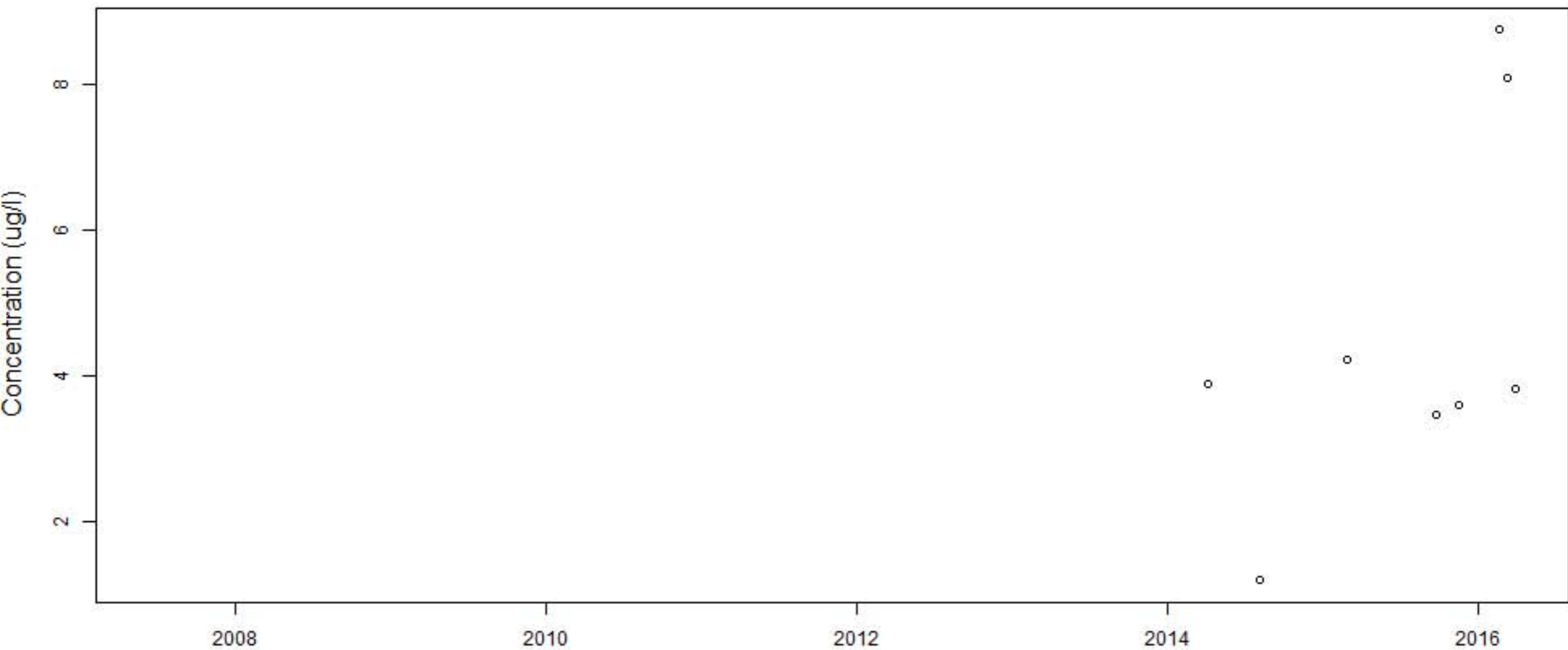
# MATHEWS.2



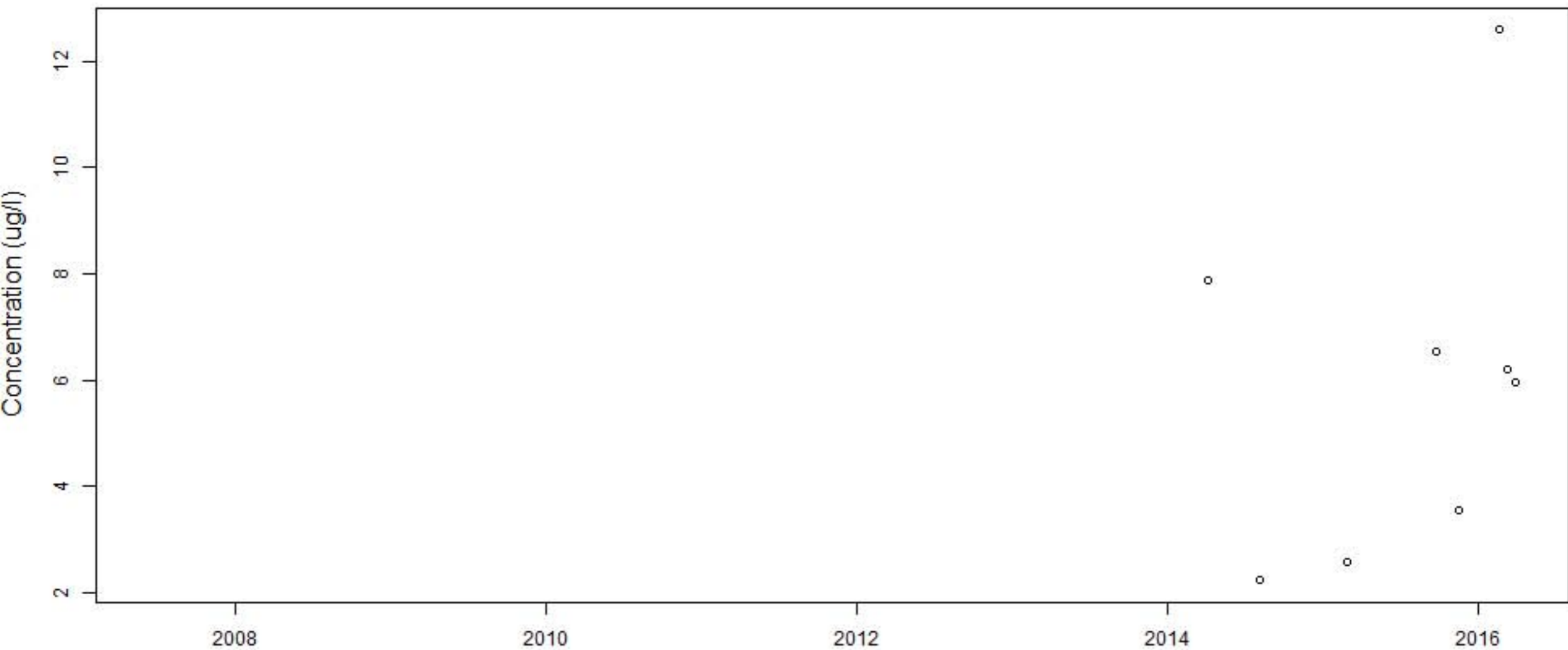
# MILLERS.POND.1



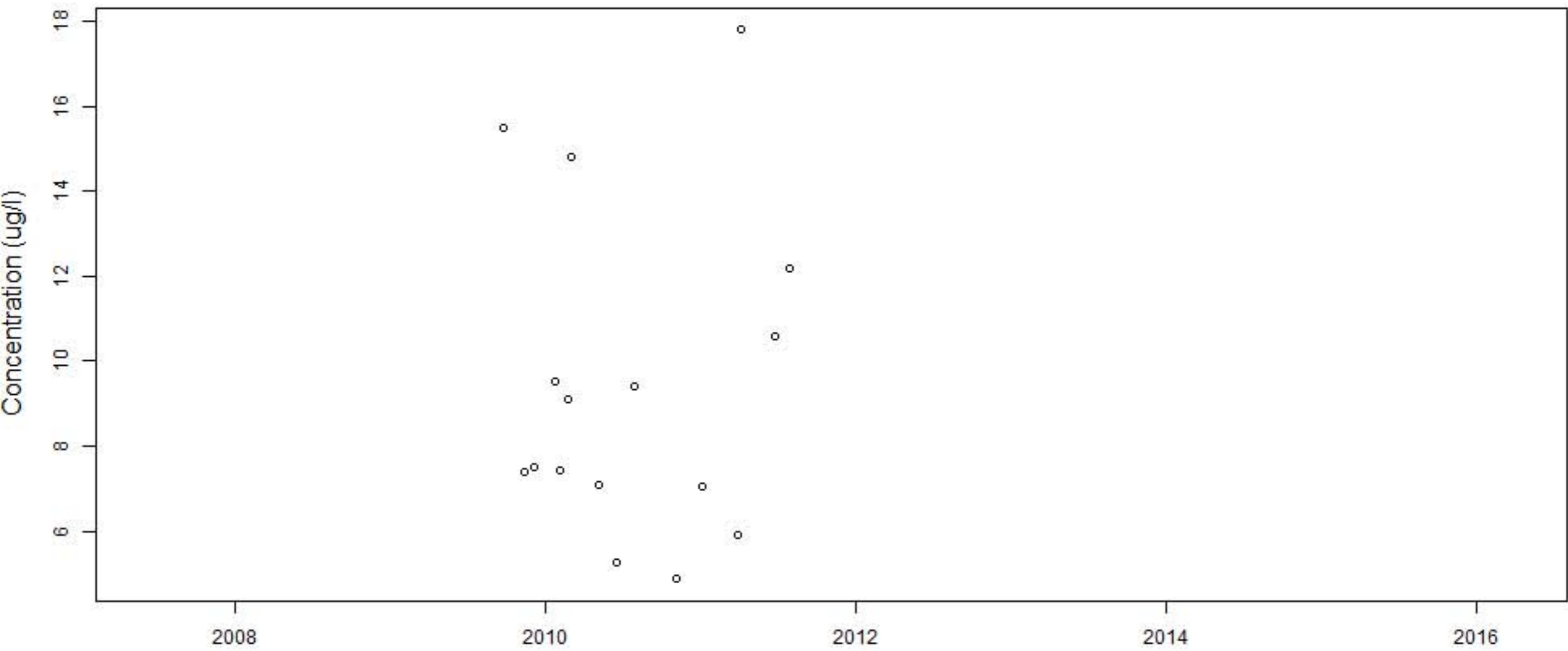
# MILLERS.POND.2



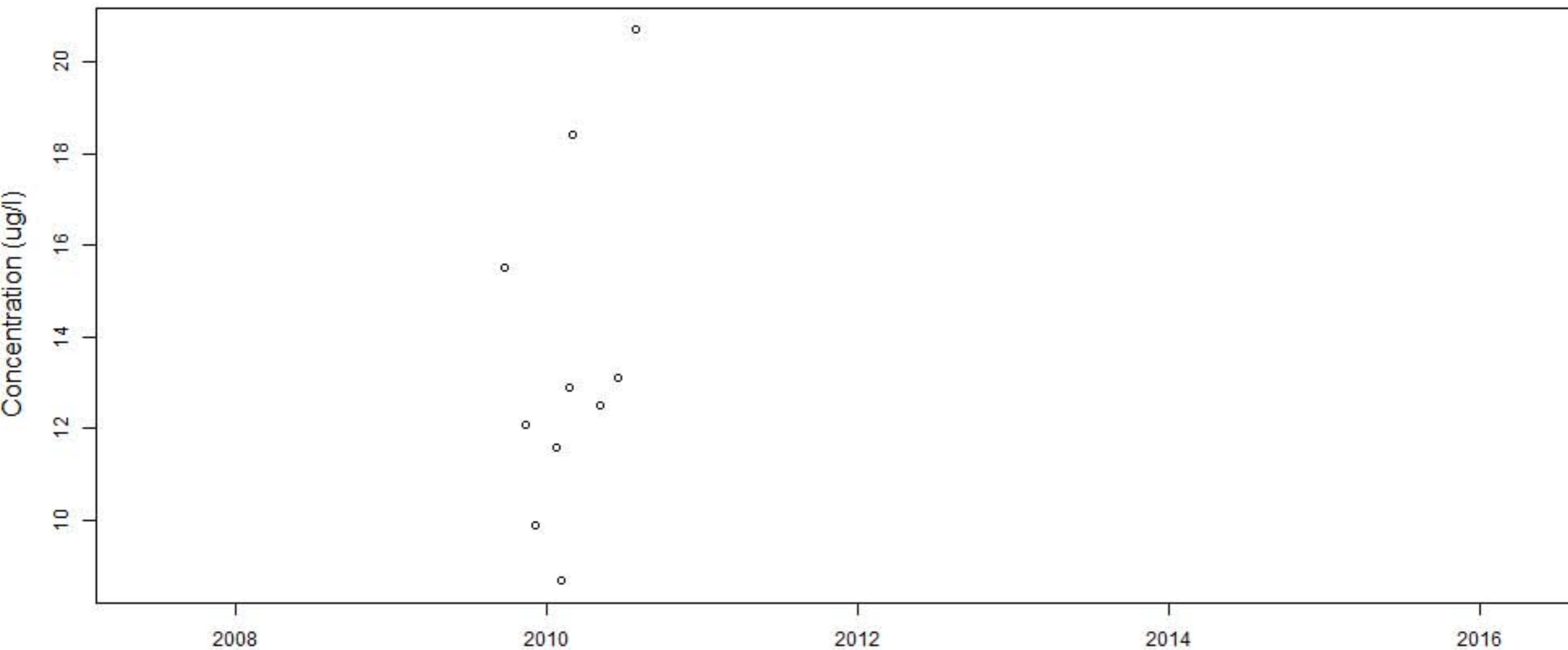
# PALMETTO.DUNES



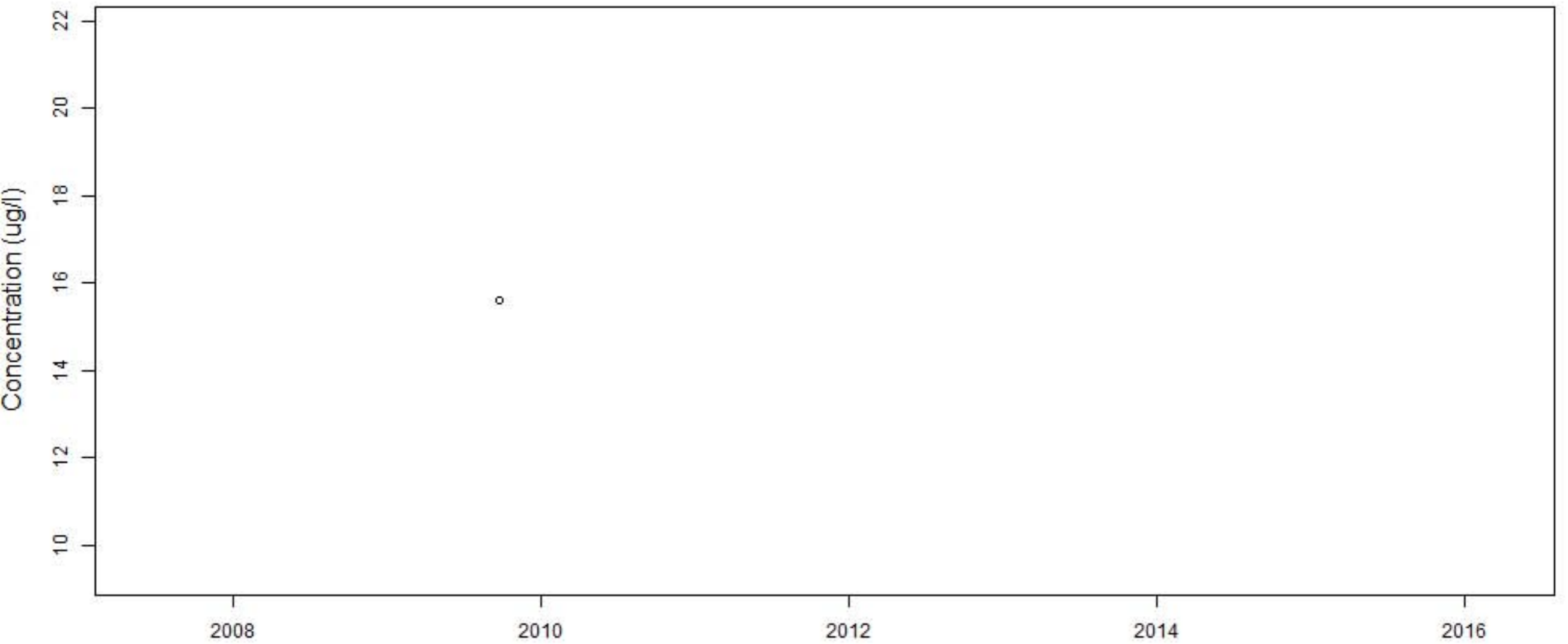
Pinckney.Colony...Dissolved



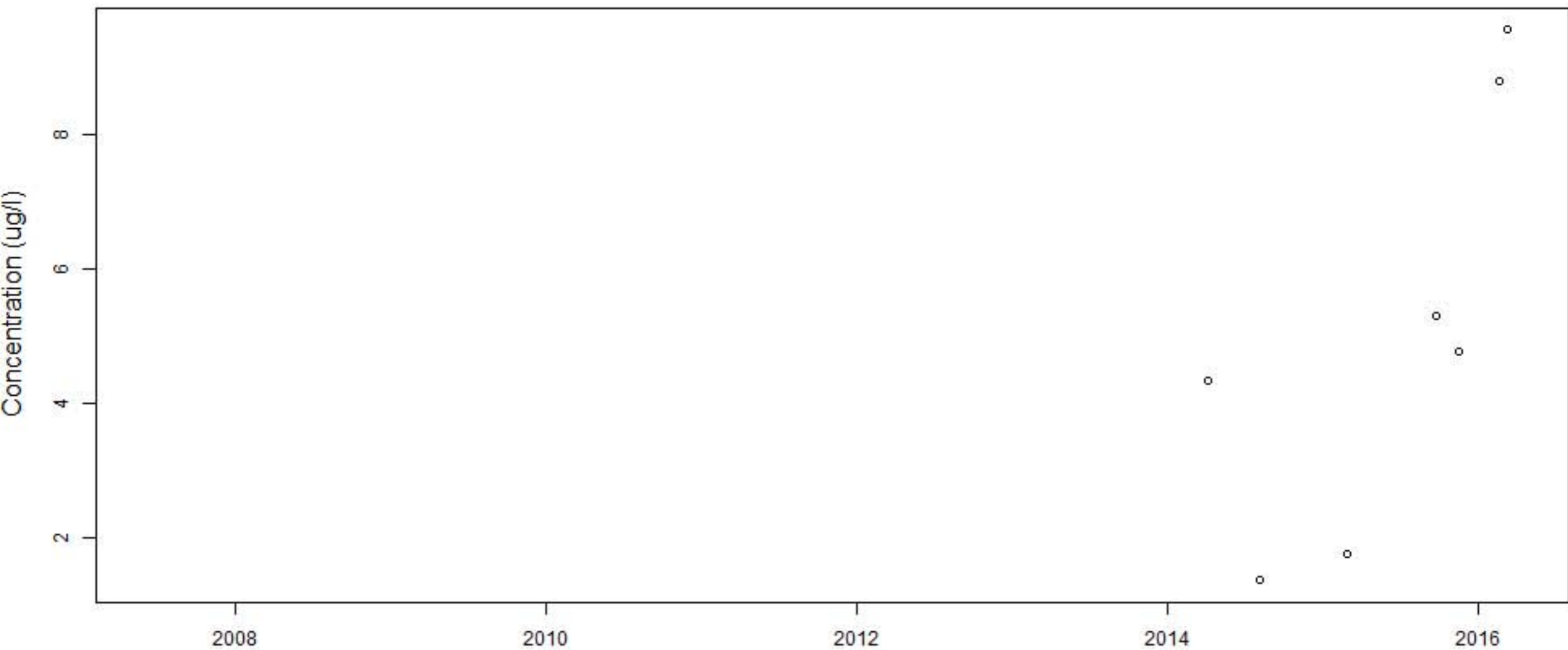
Pinckney.Colony... Total



# Rose.Hill.Out

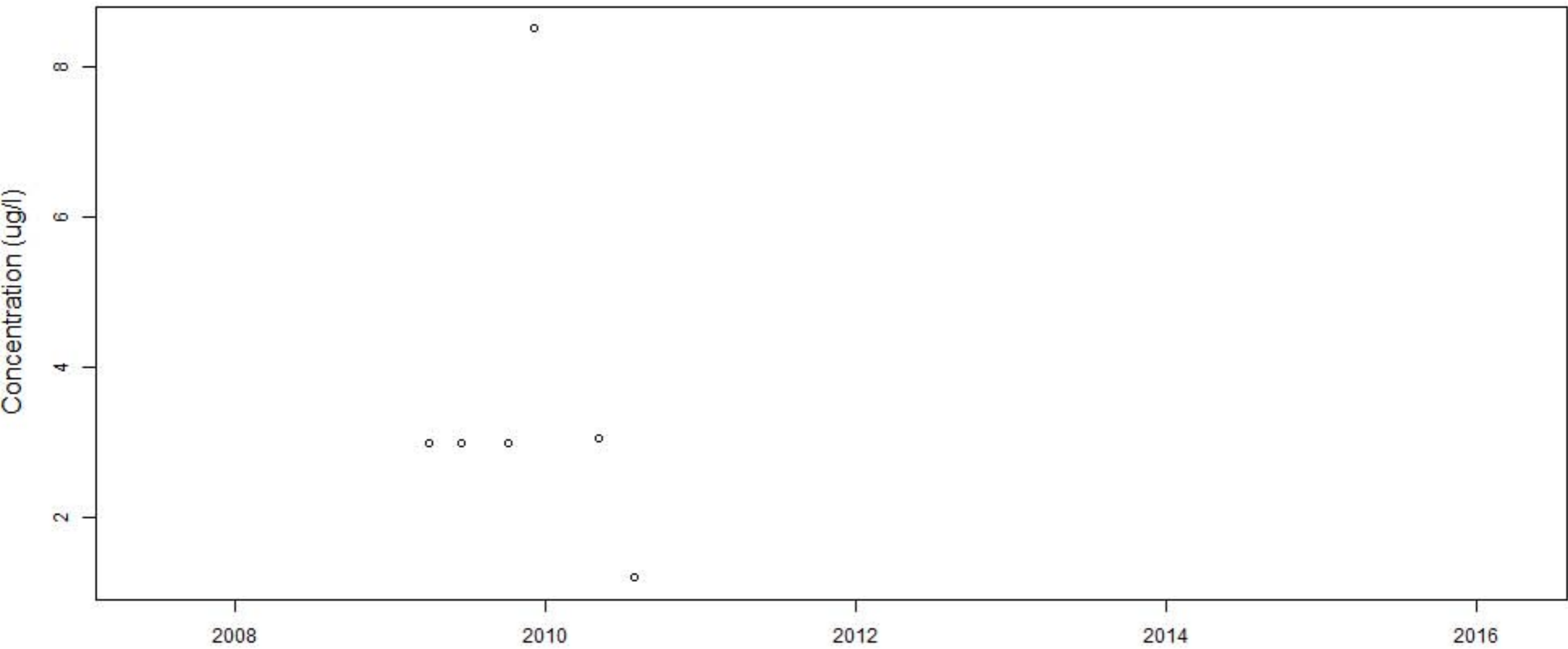


# SINGLETON.BEACH

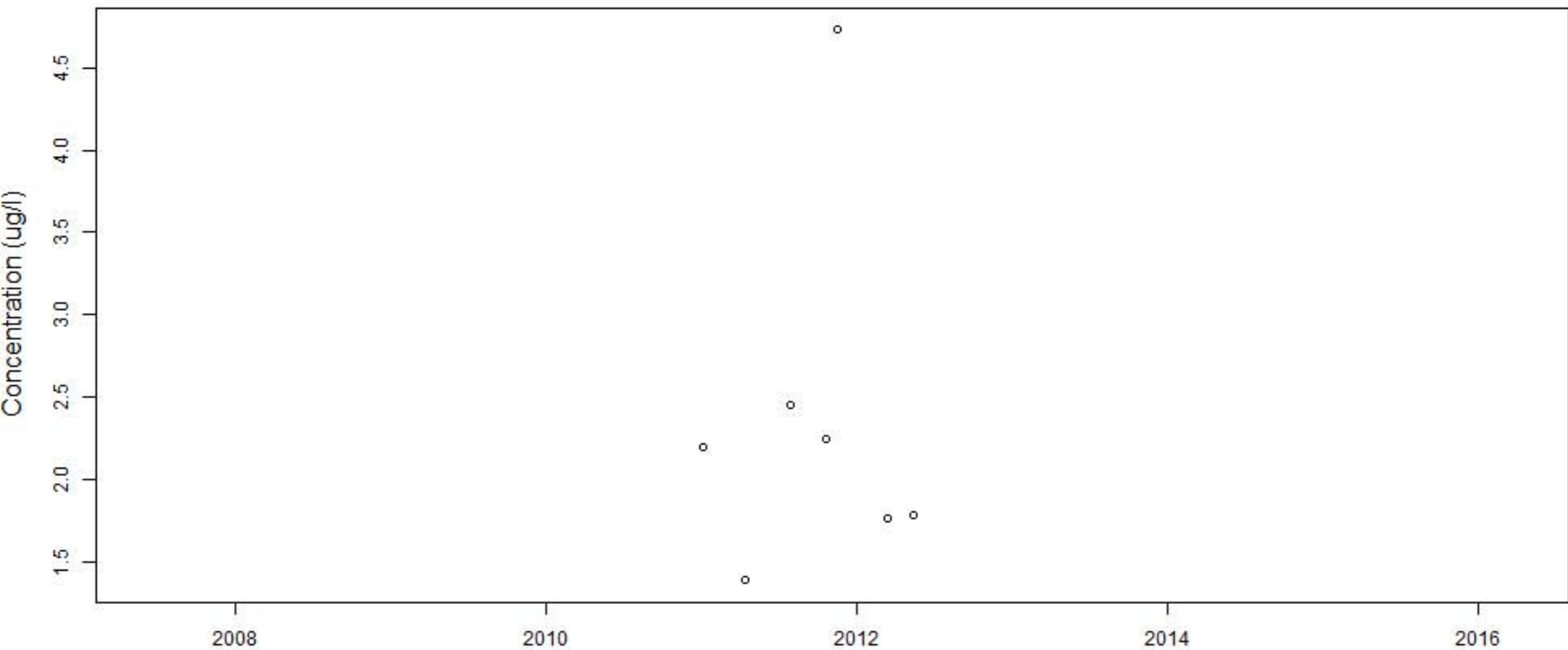




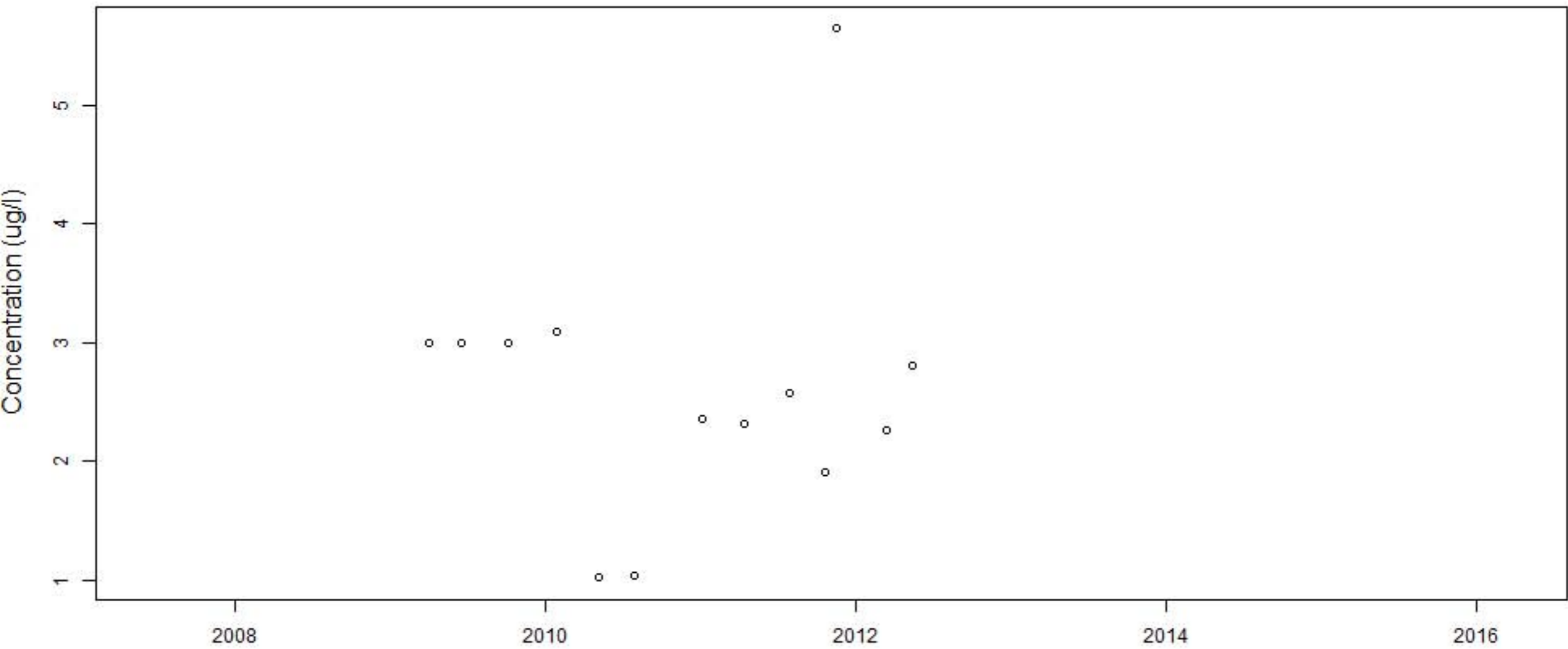
# Southside.Comp



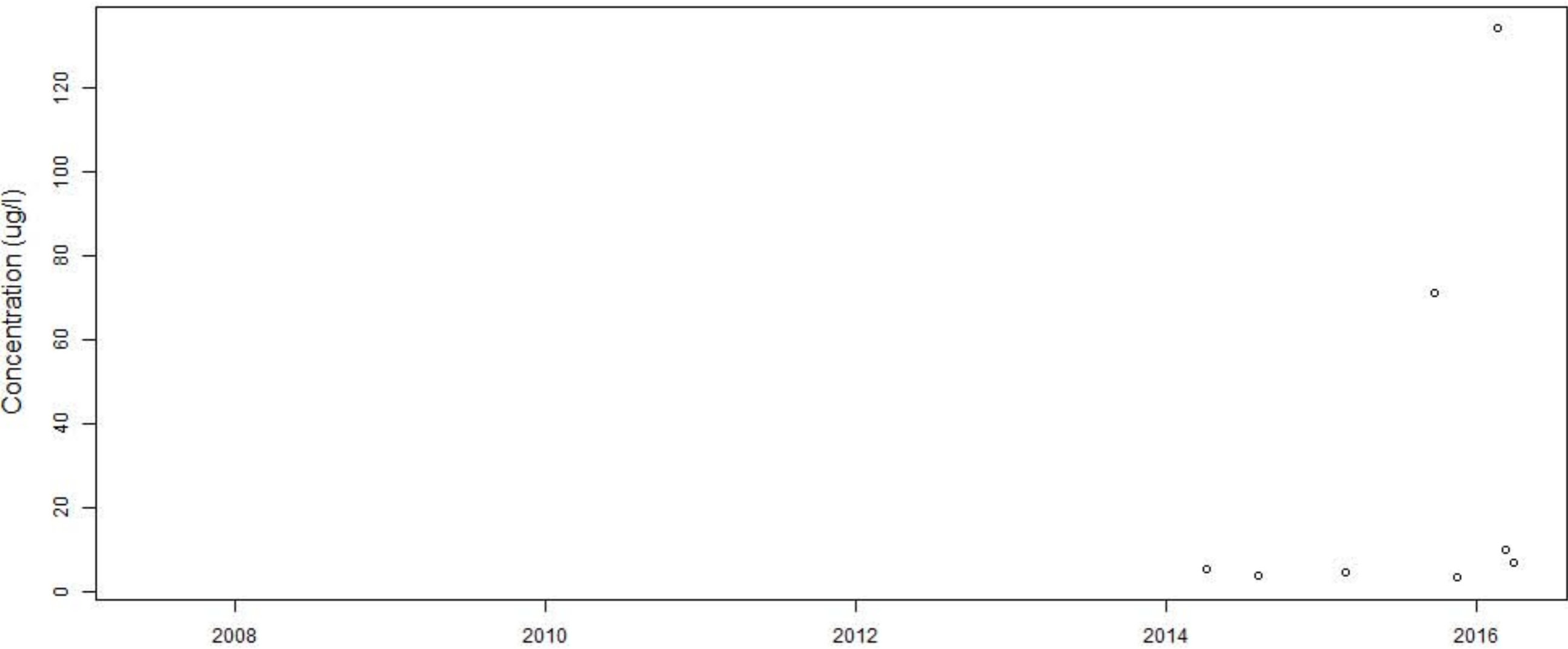
Southside.Grab.after



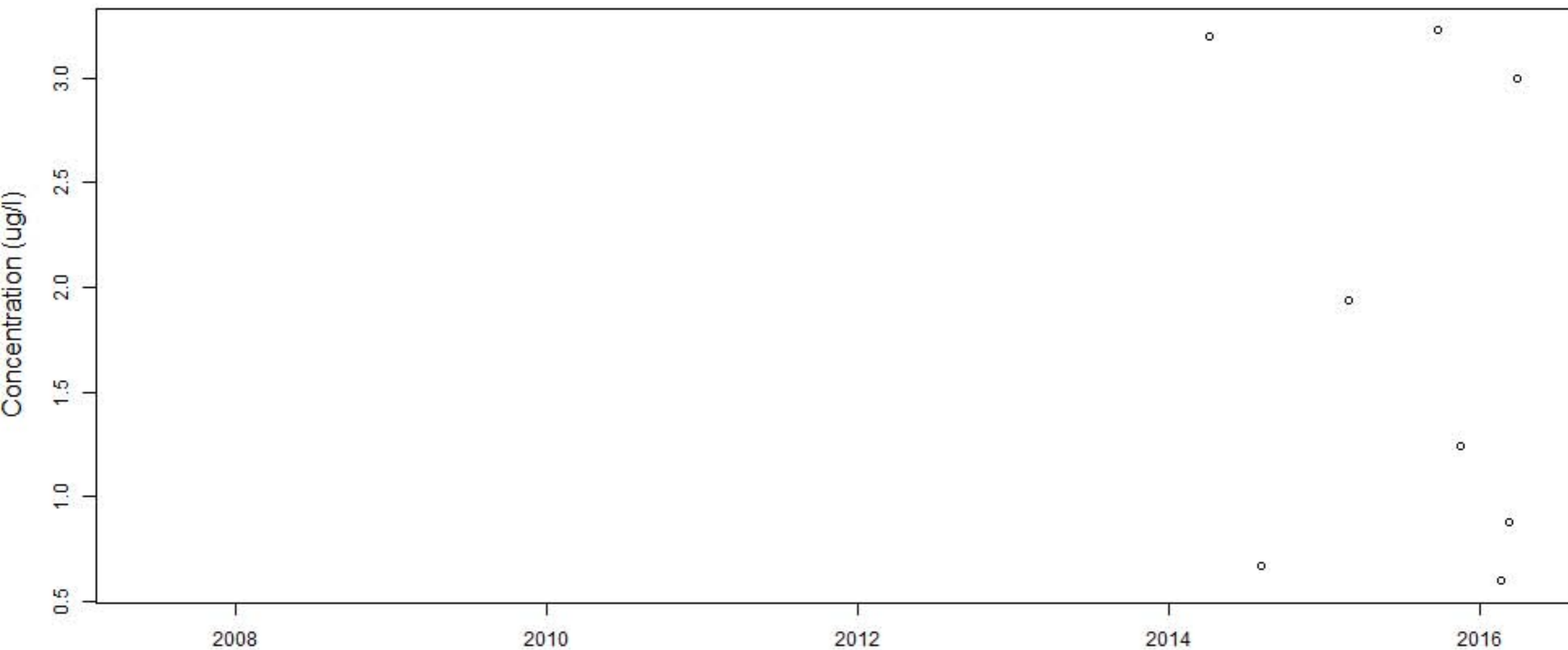
### Southside.Grab



# WEXFORD

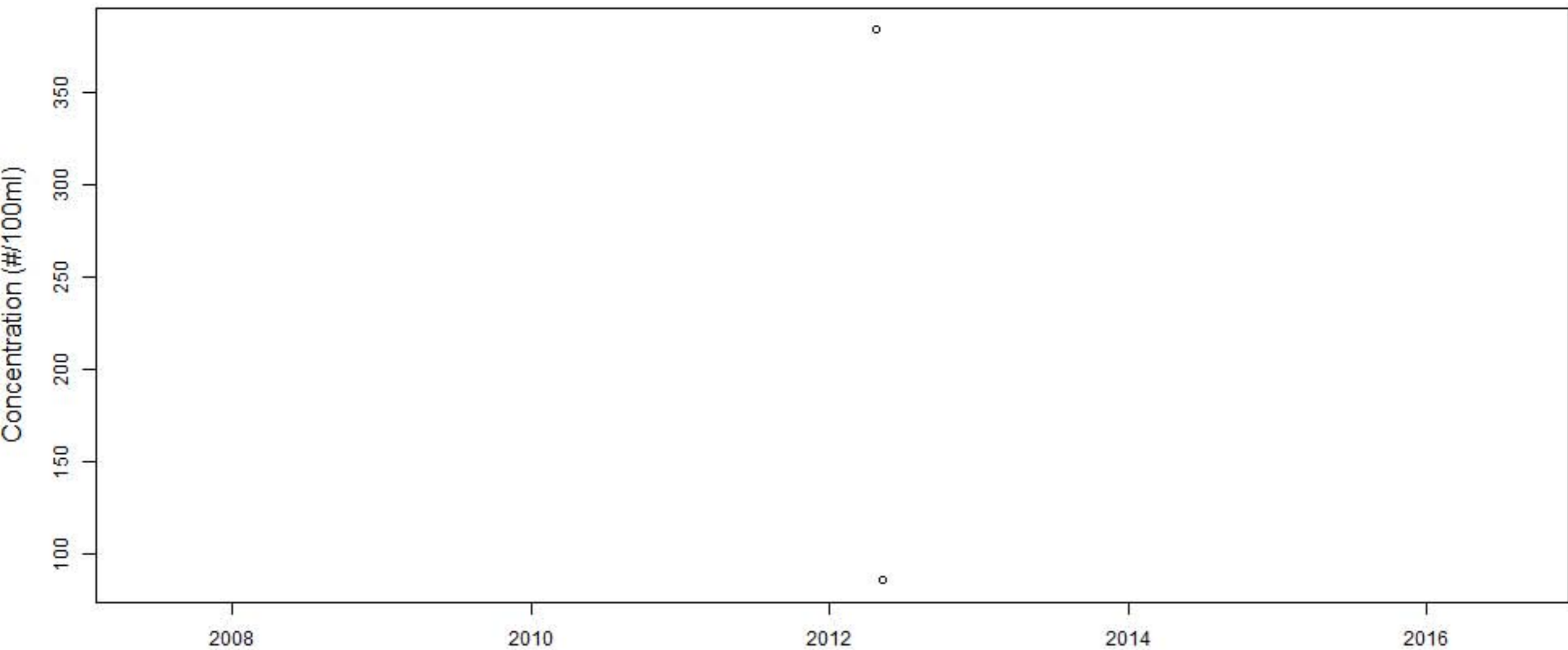


# WILD.HORSE

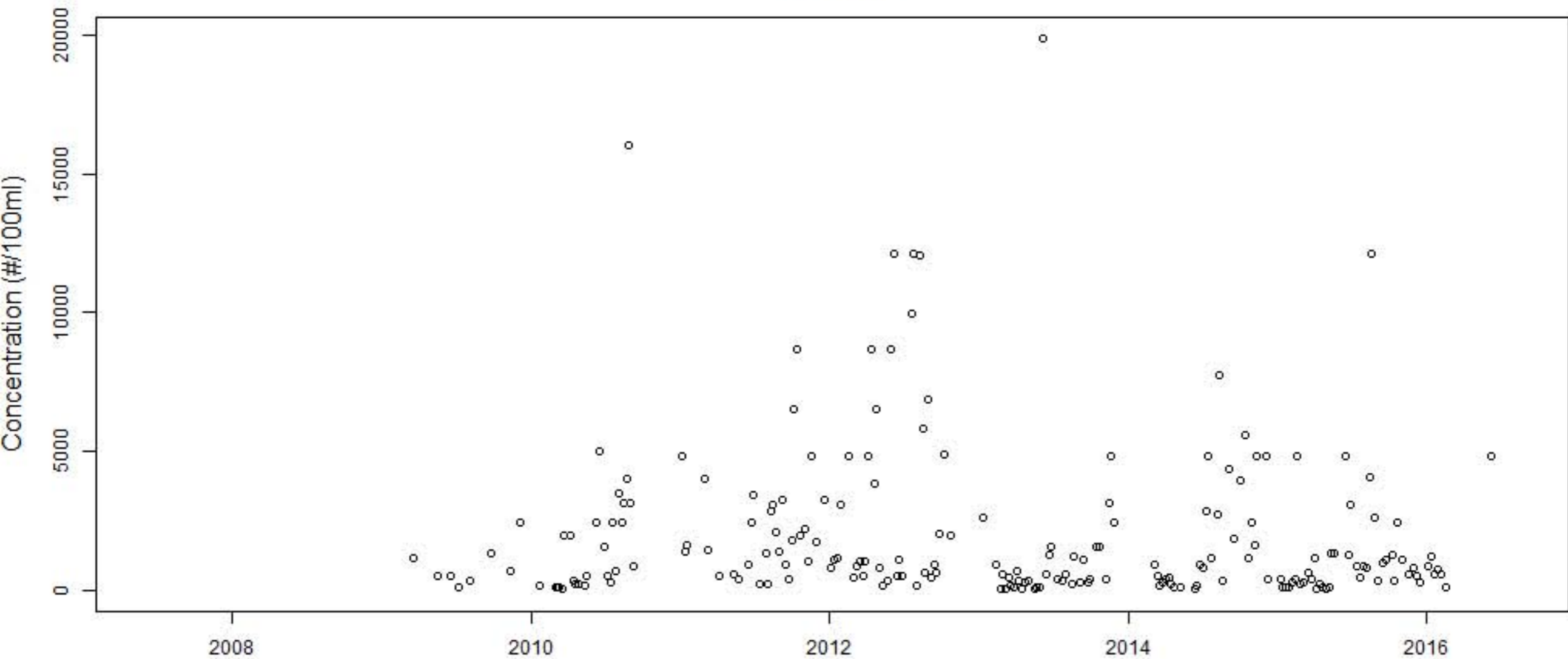


Timeseries of  
Fecal Coliform  
Water Quality Data  
Collected at  
Beaufort County Stations

BA1

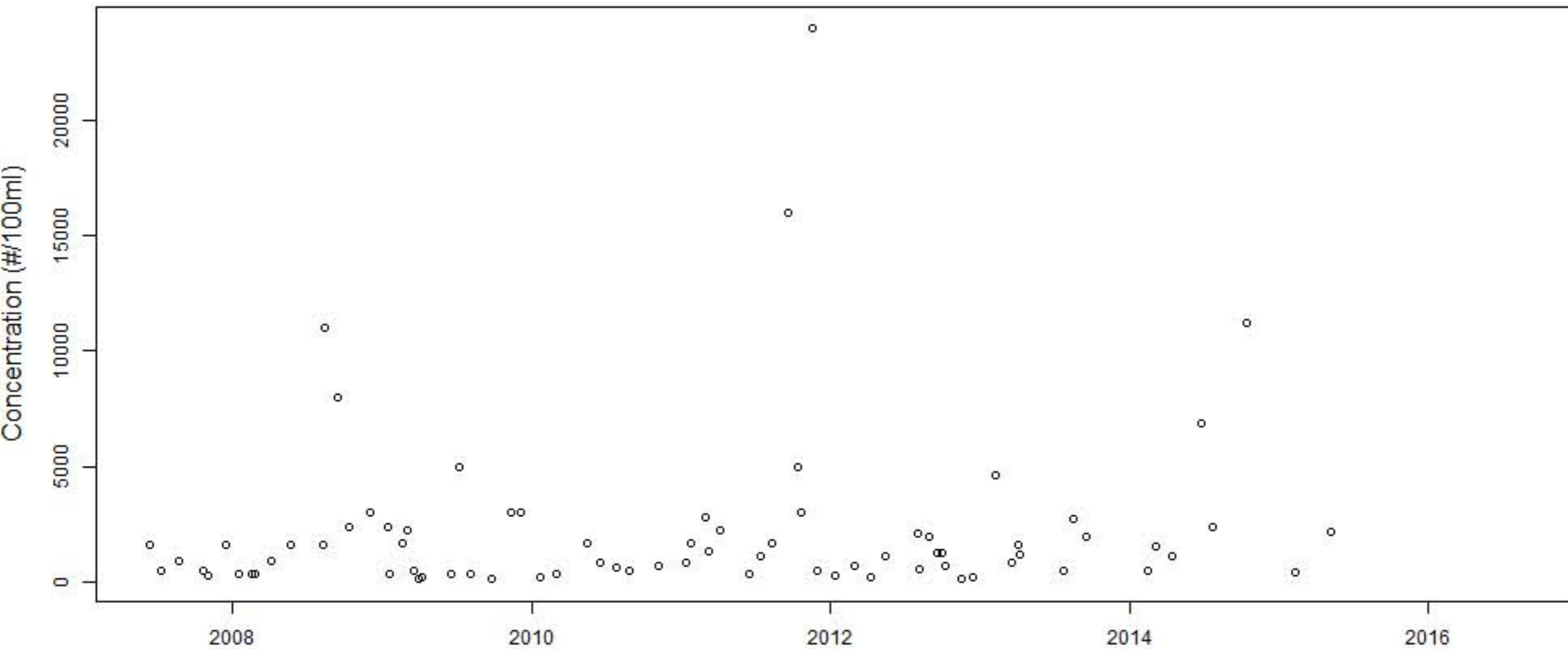


# BECY.1.5

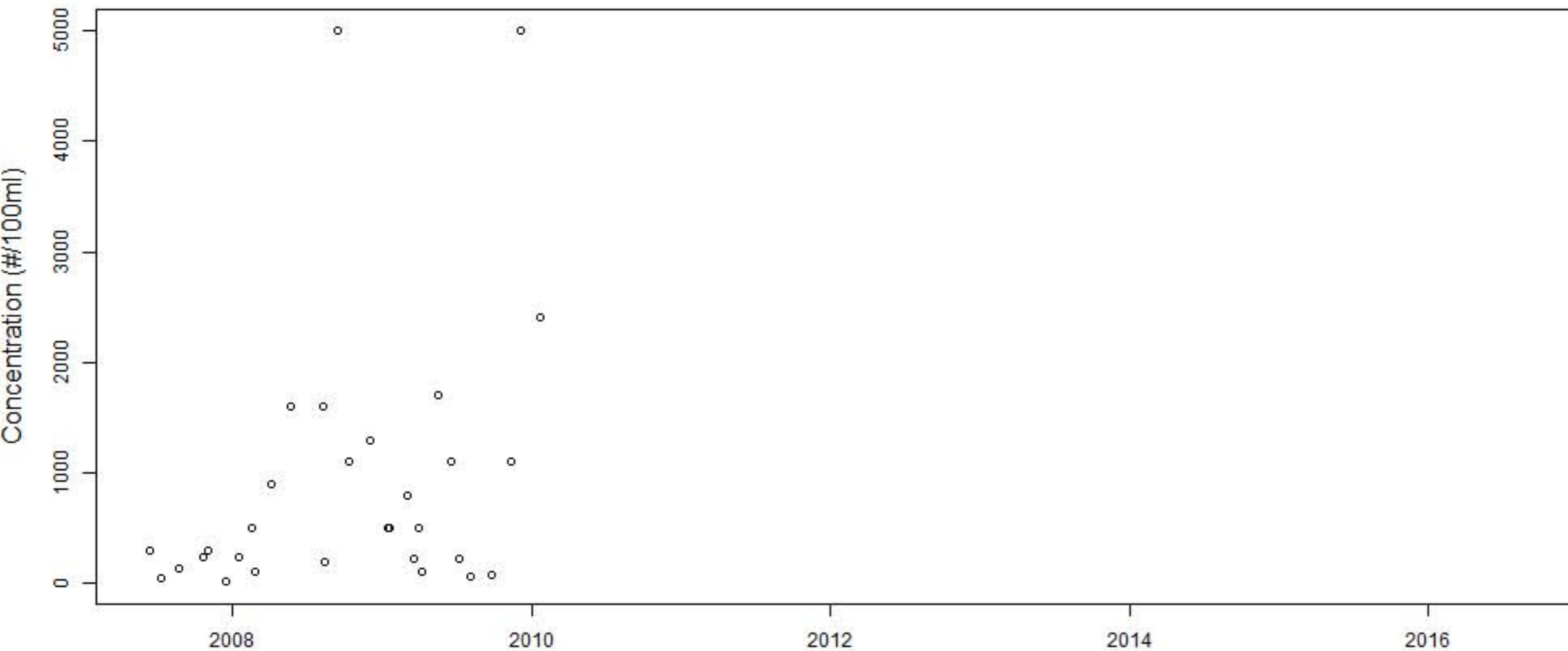




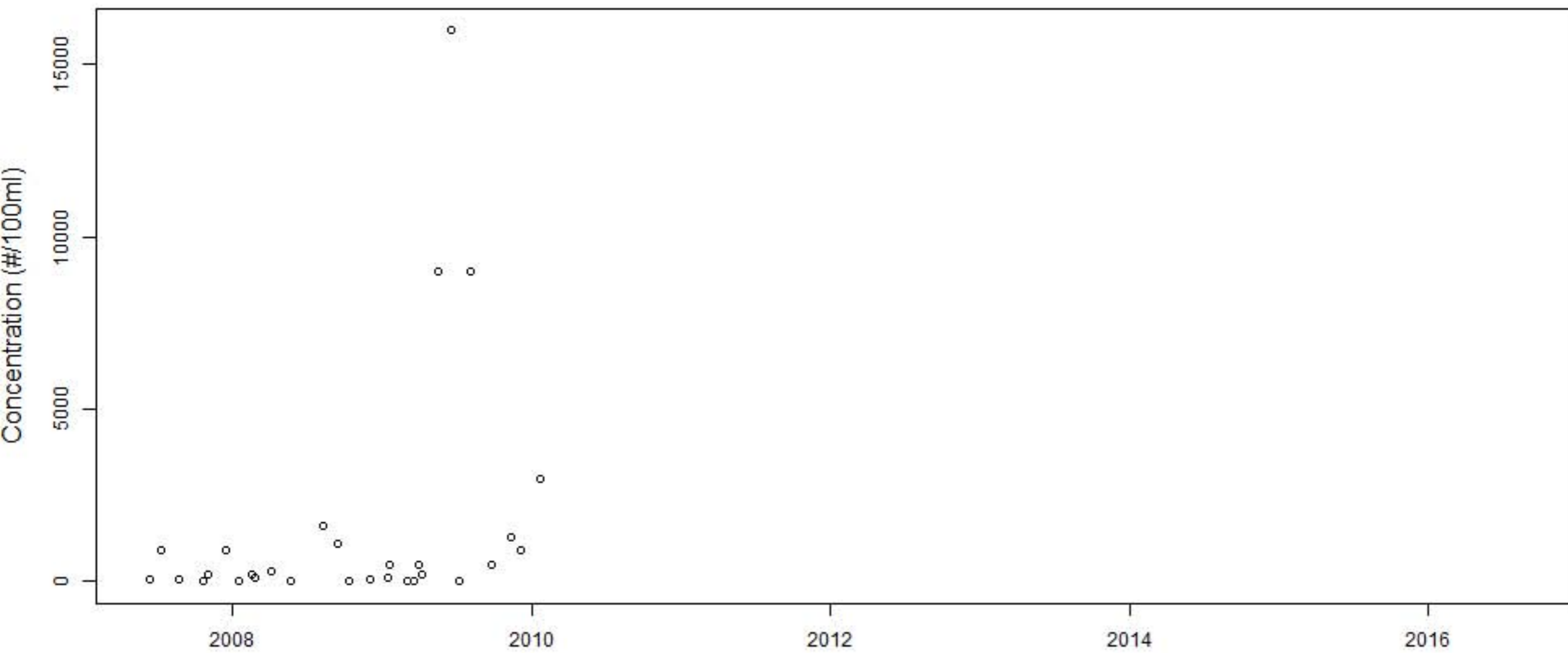
# BECY.1



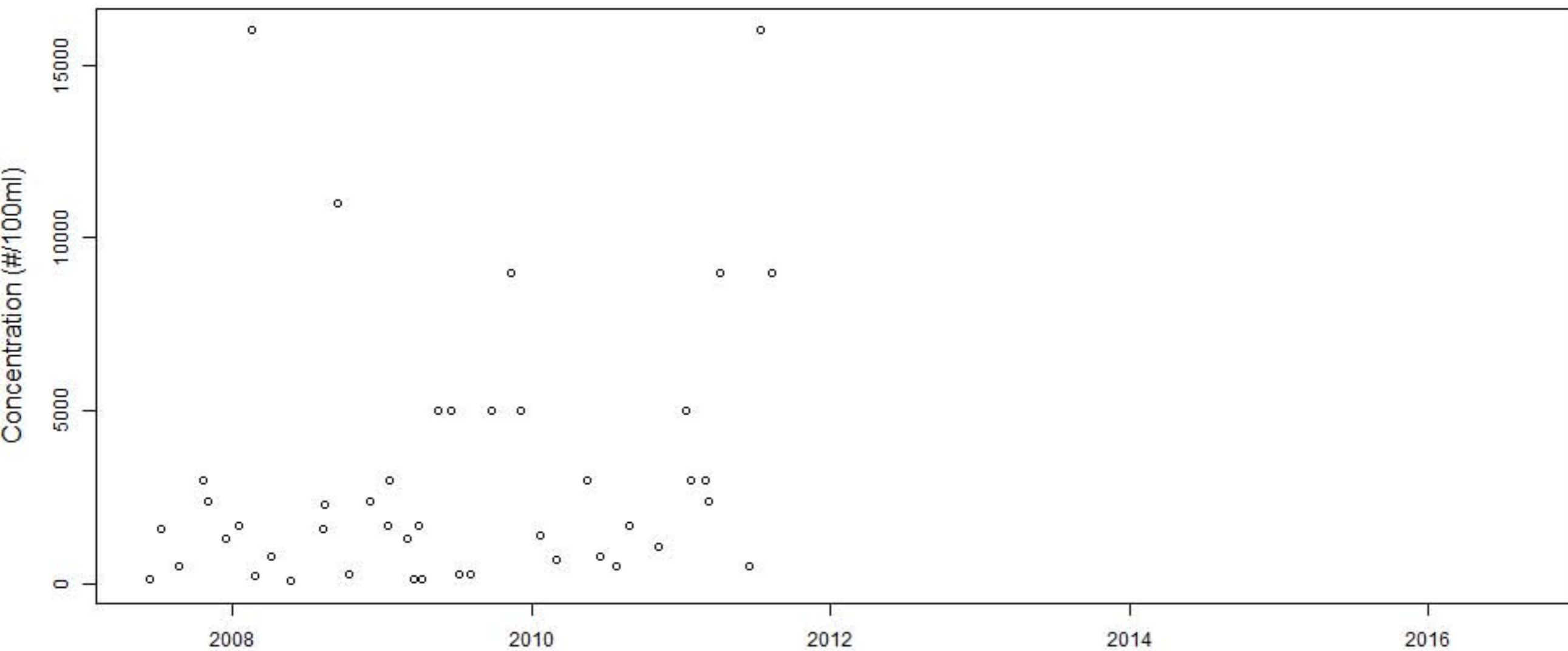
# BECY.10



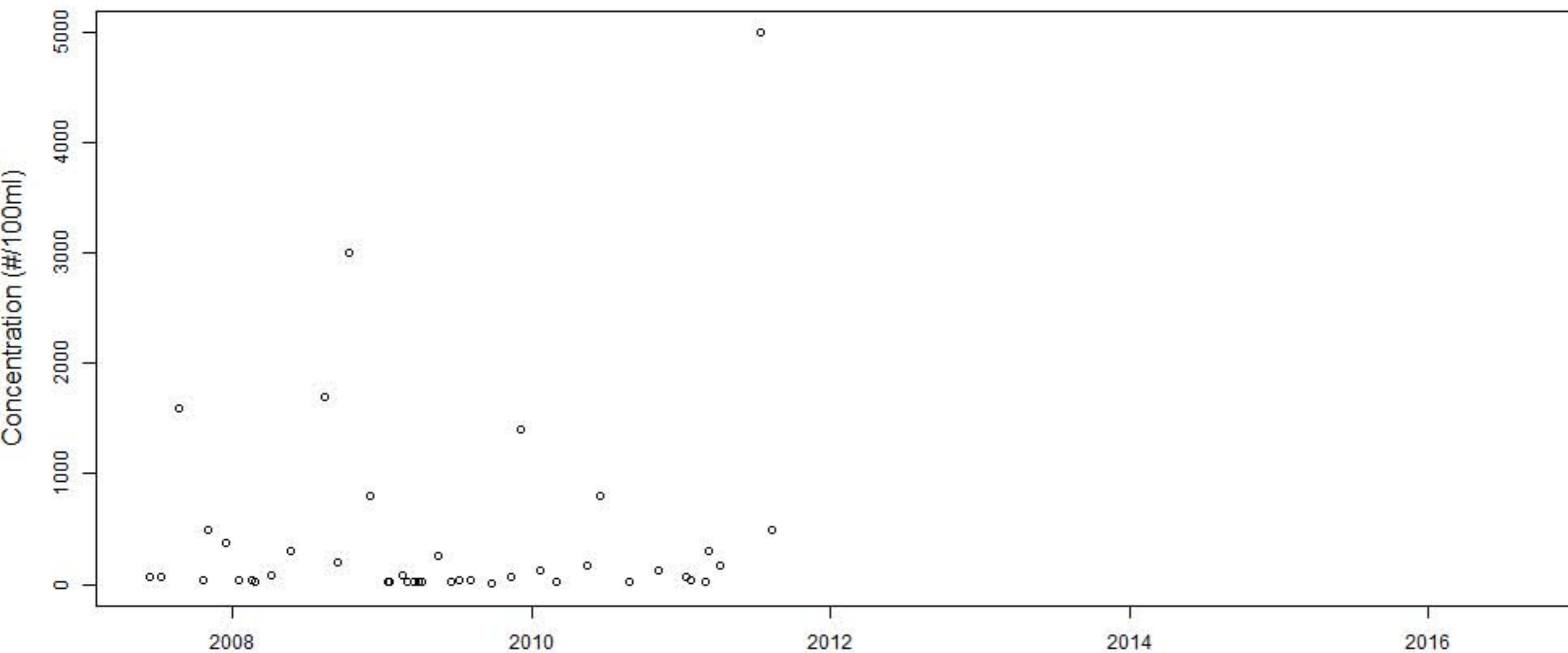
# BECY.11



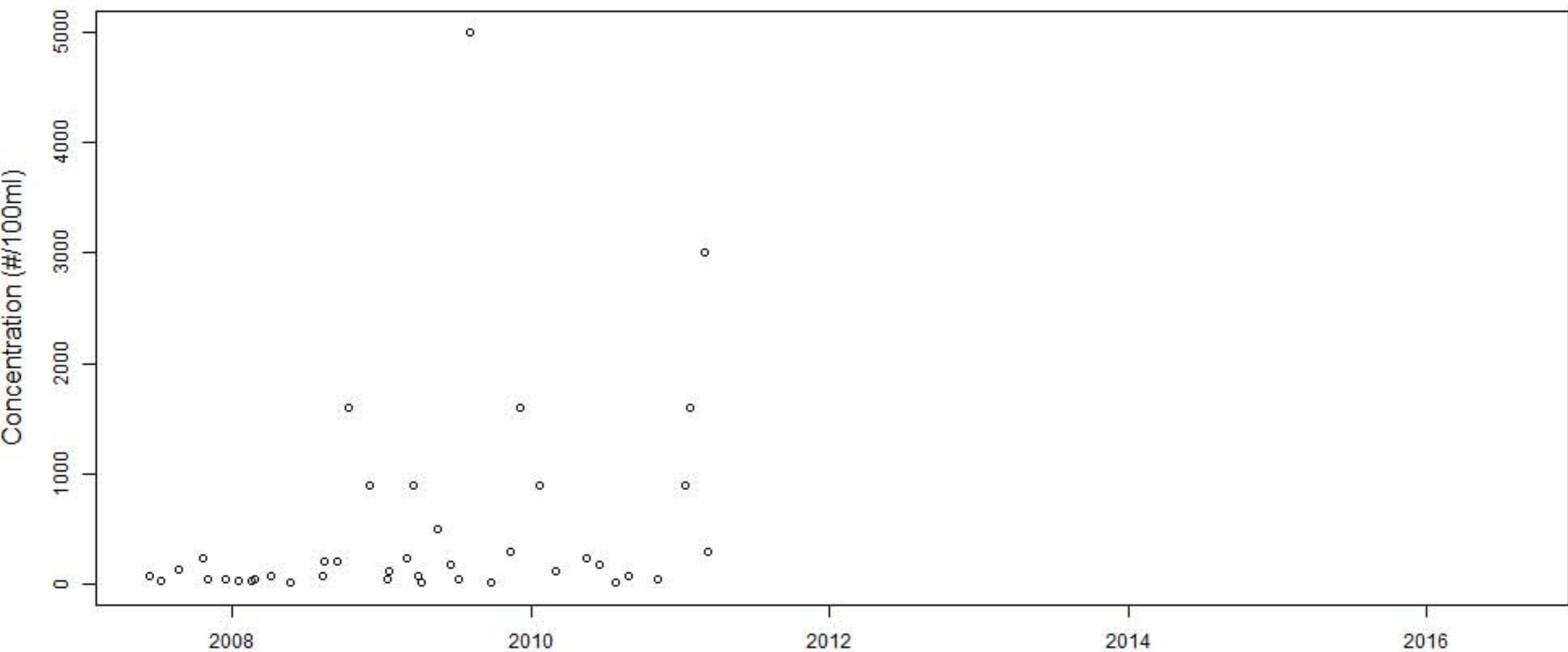
BECY.12



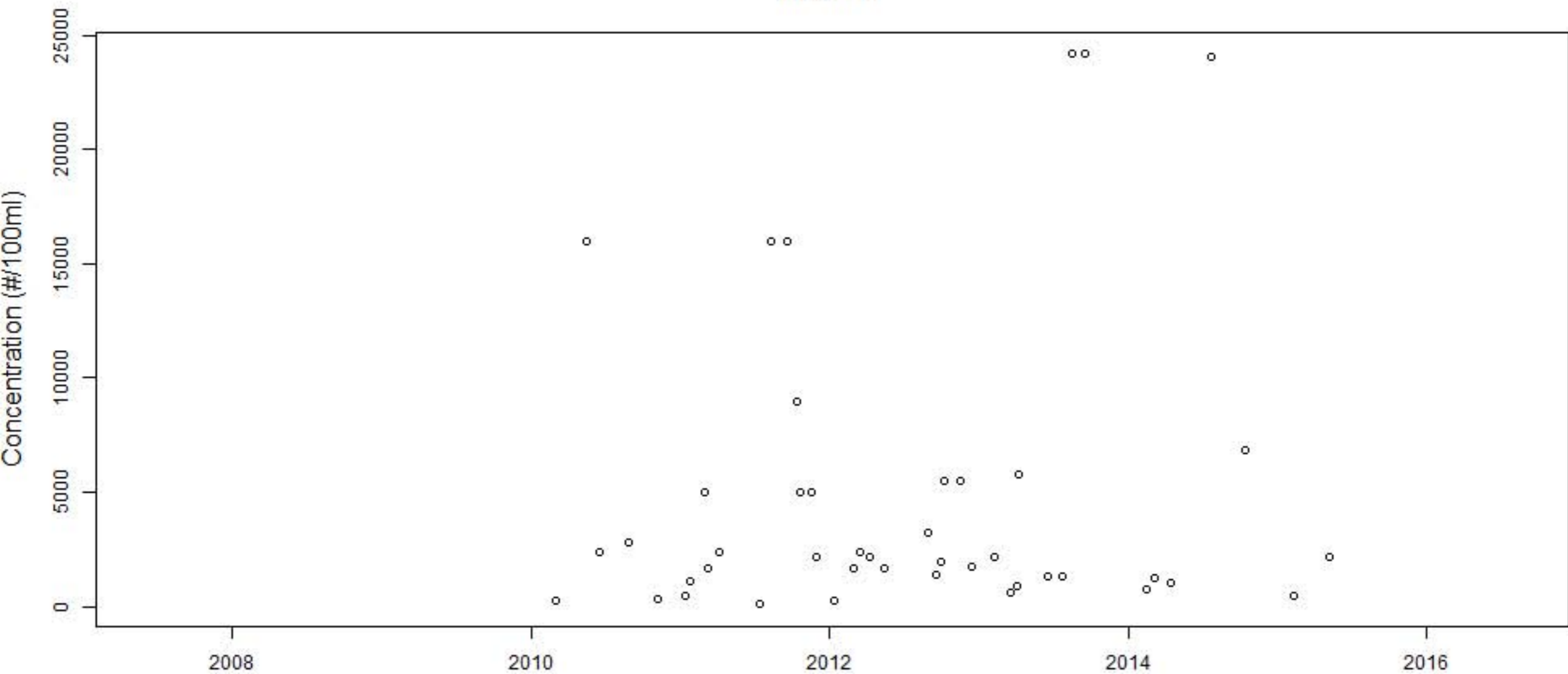
# BECY.13



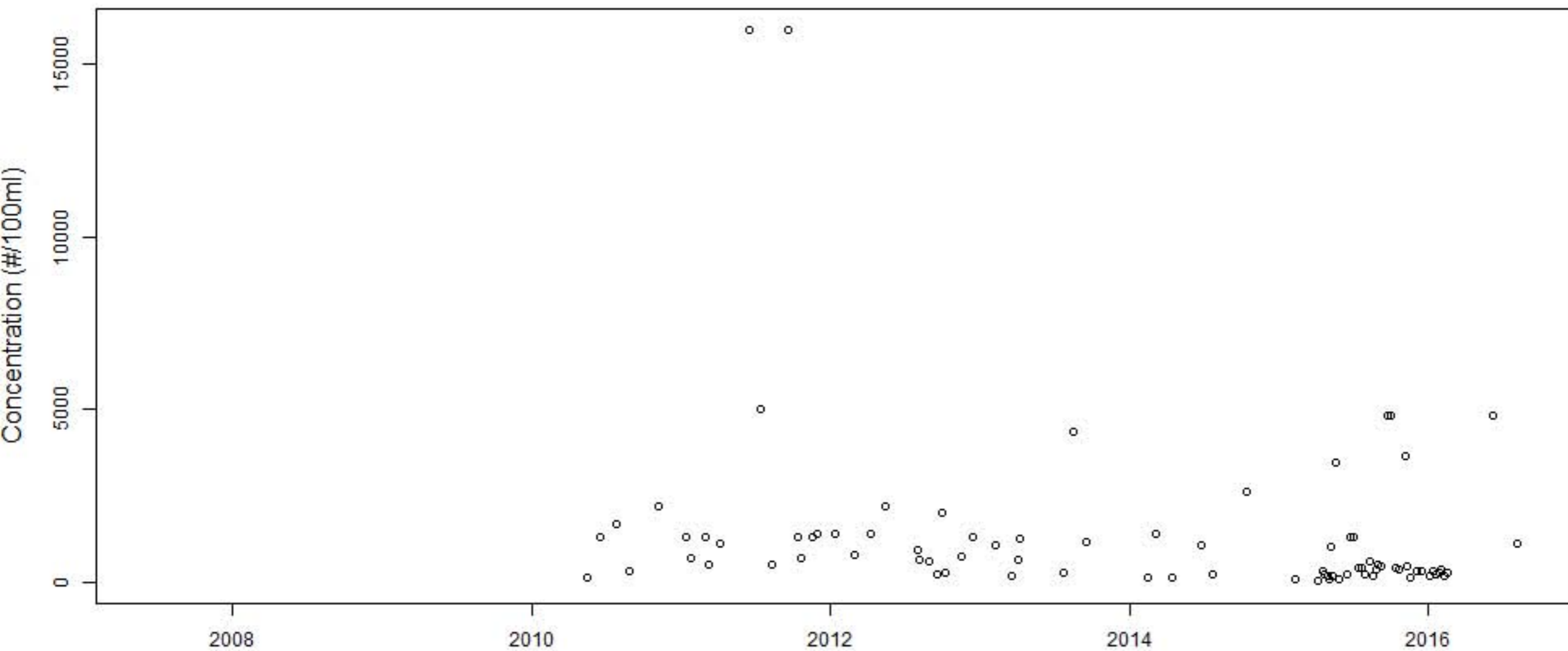
# BECY.14



# BECY.15



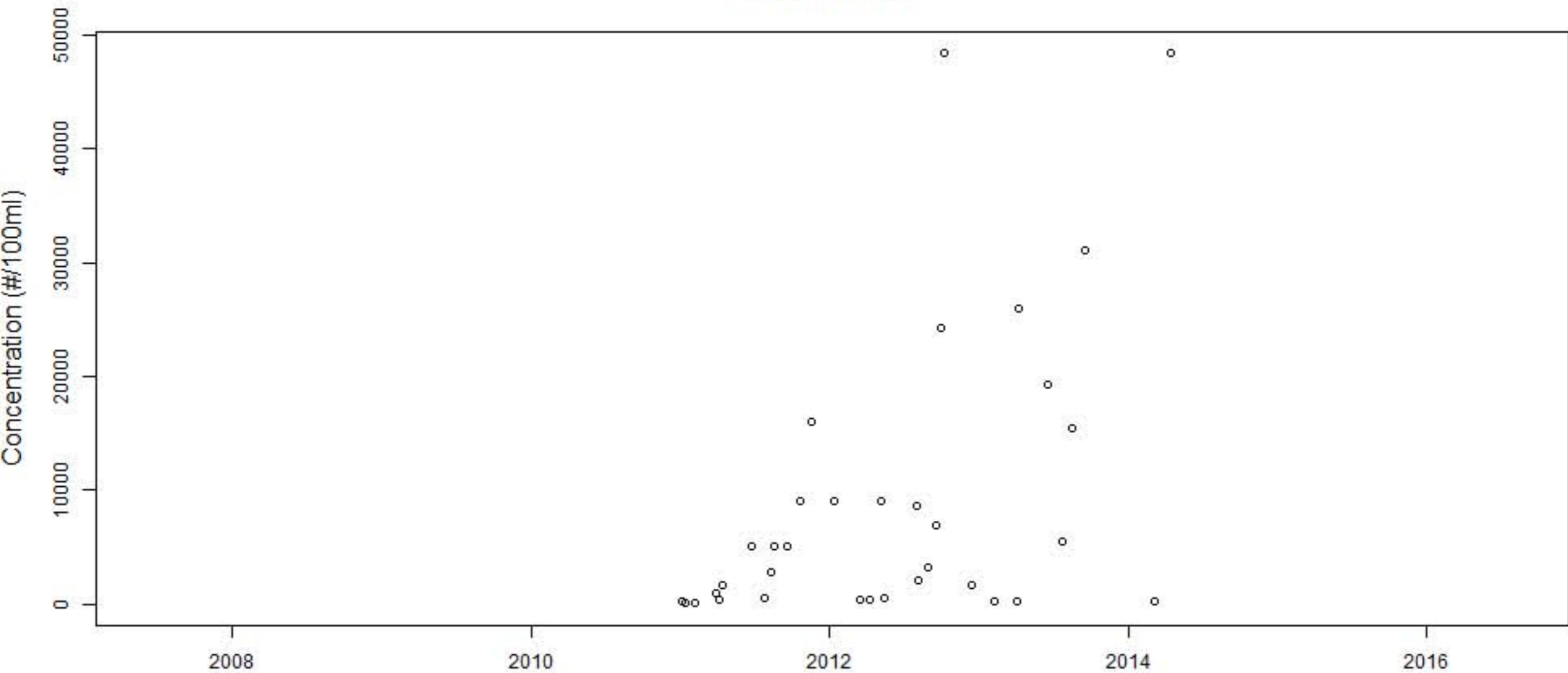
# BECY.16



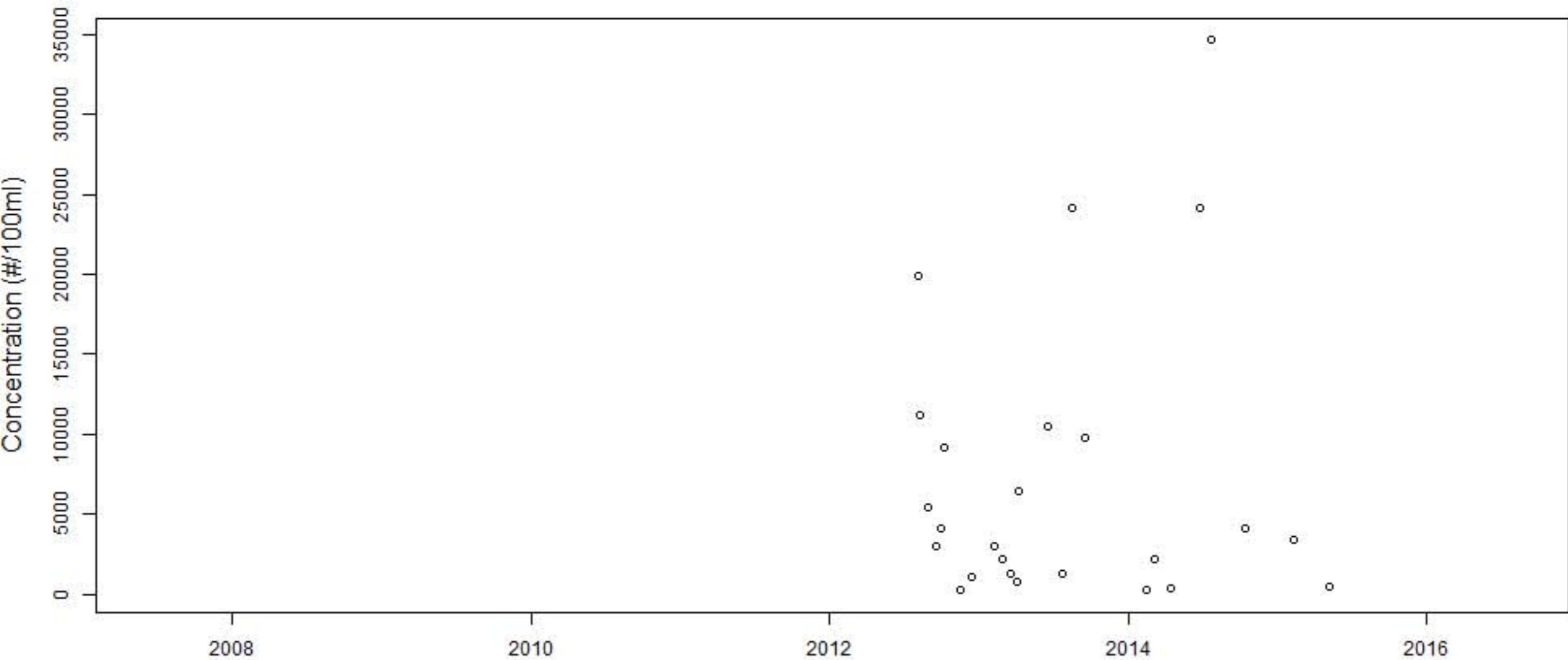




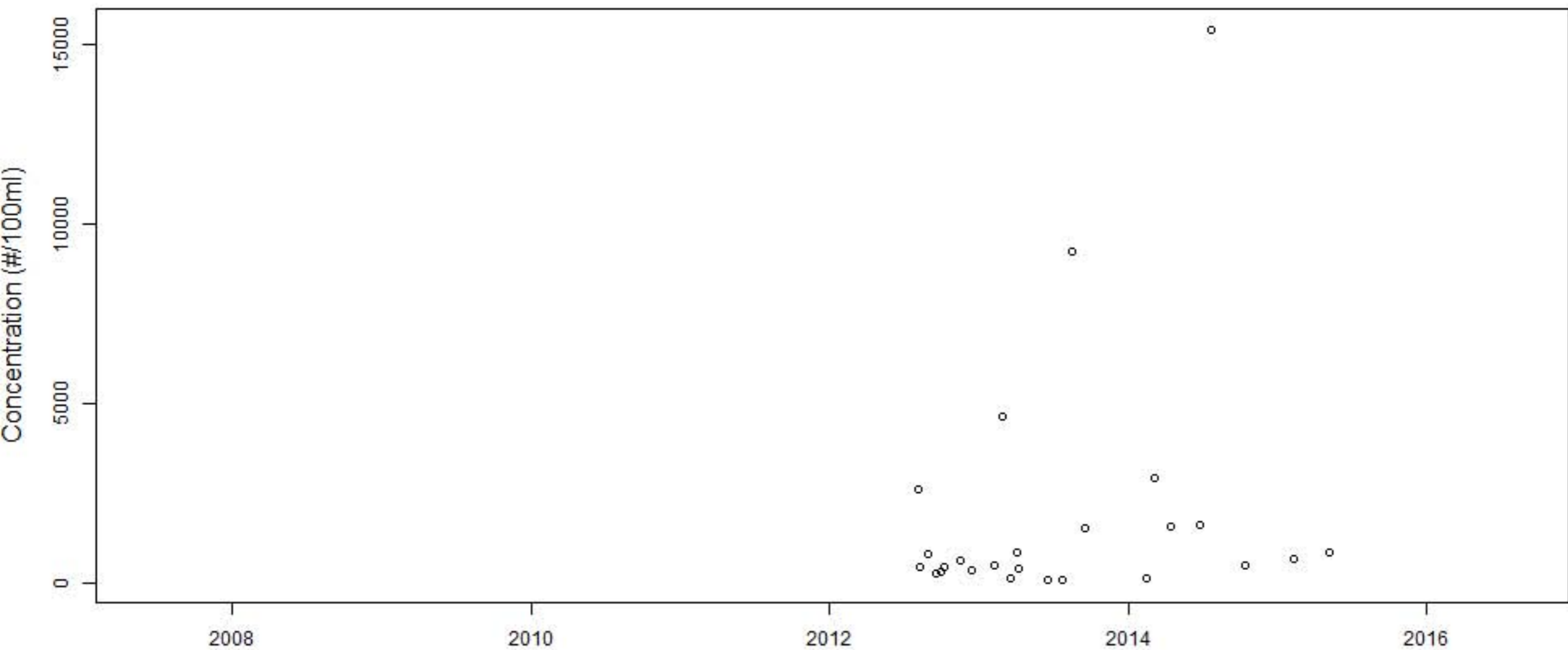
BECY.17a.Grab



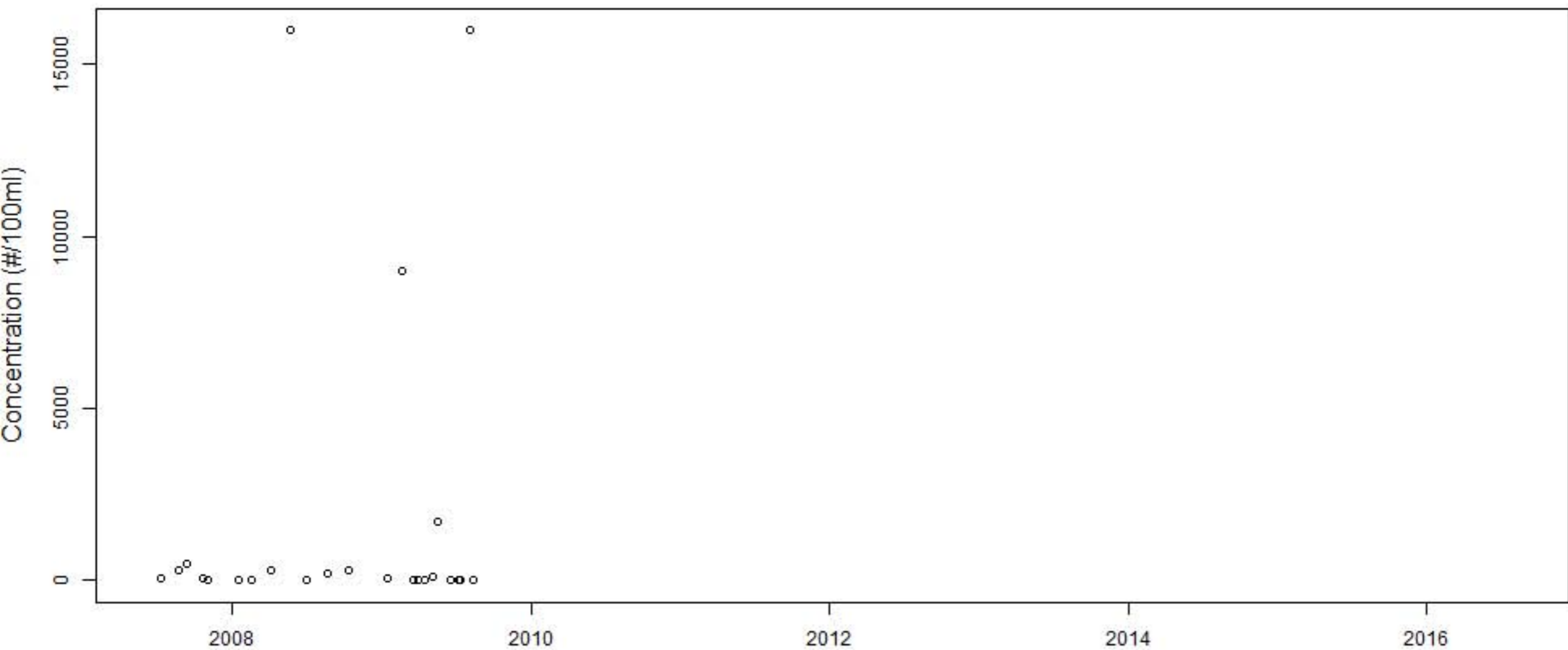
# BECY.18



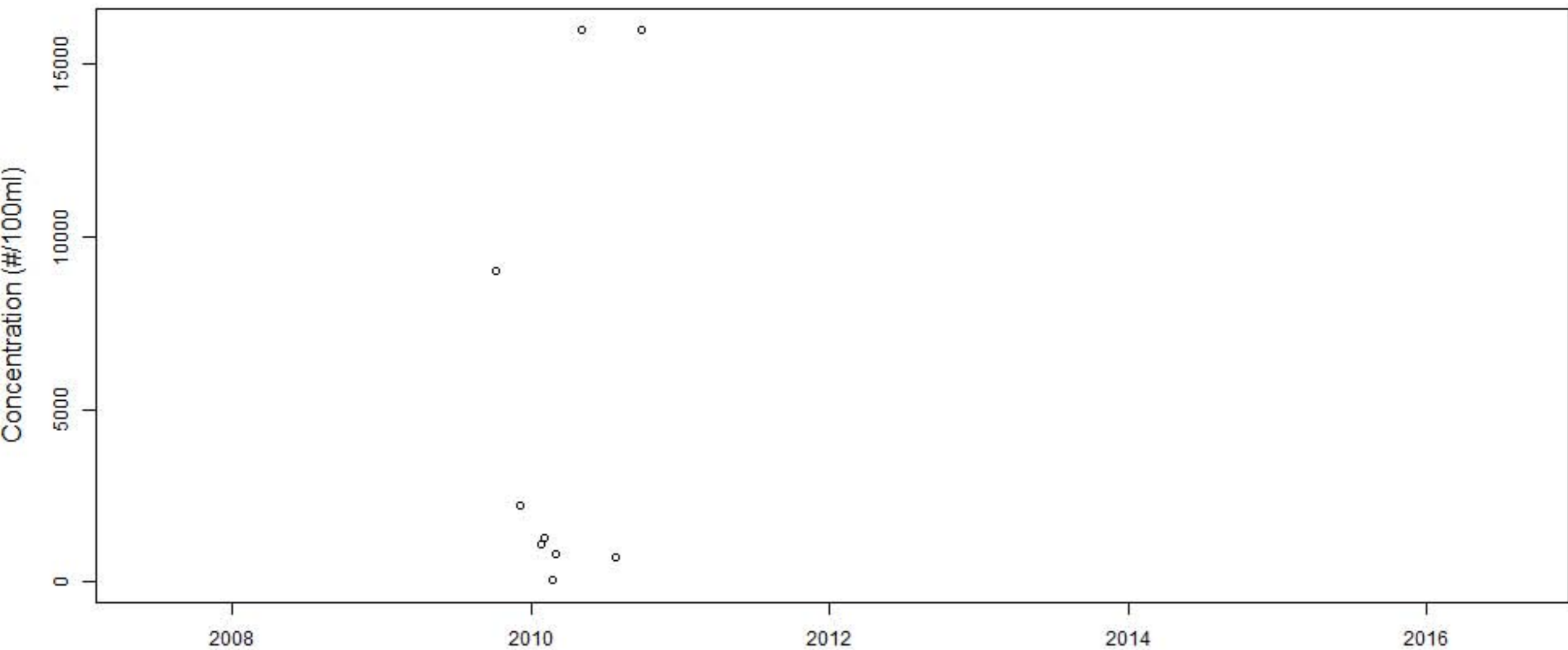
# BECY.19



# BECY.1a.Comp



BECY.1a.Grab.After

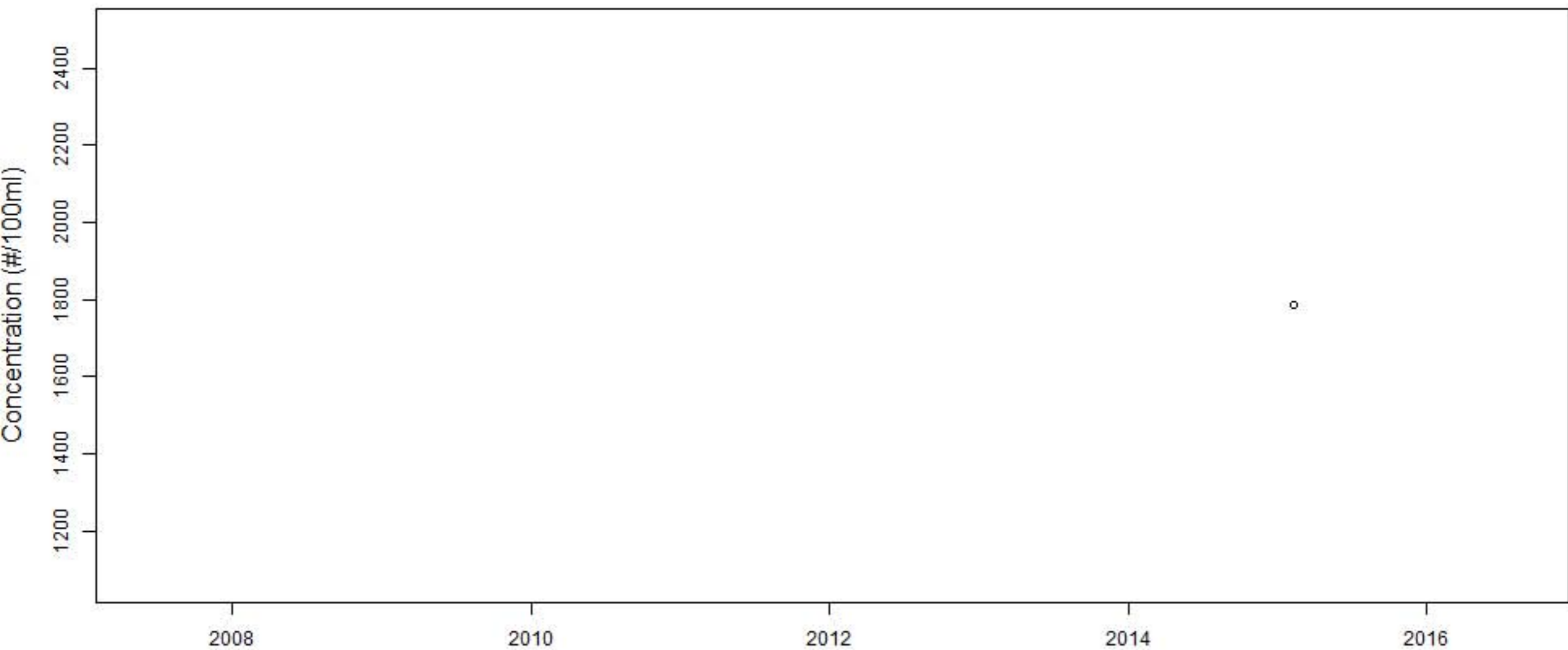




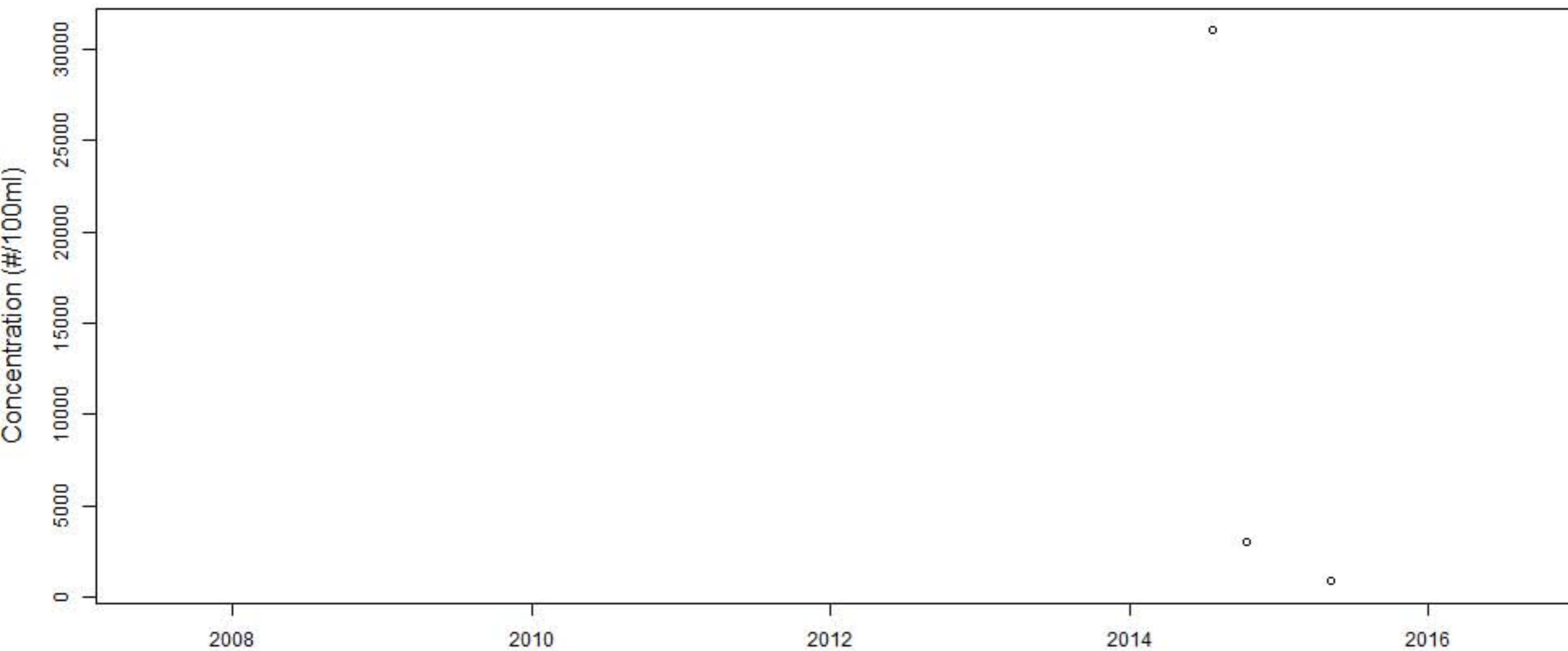




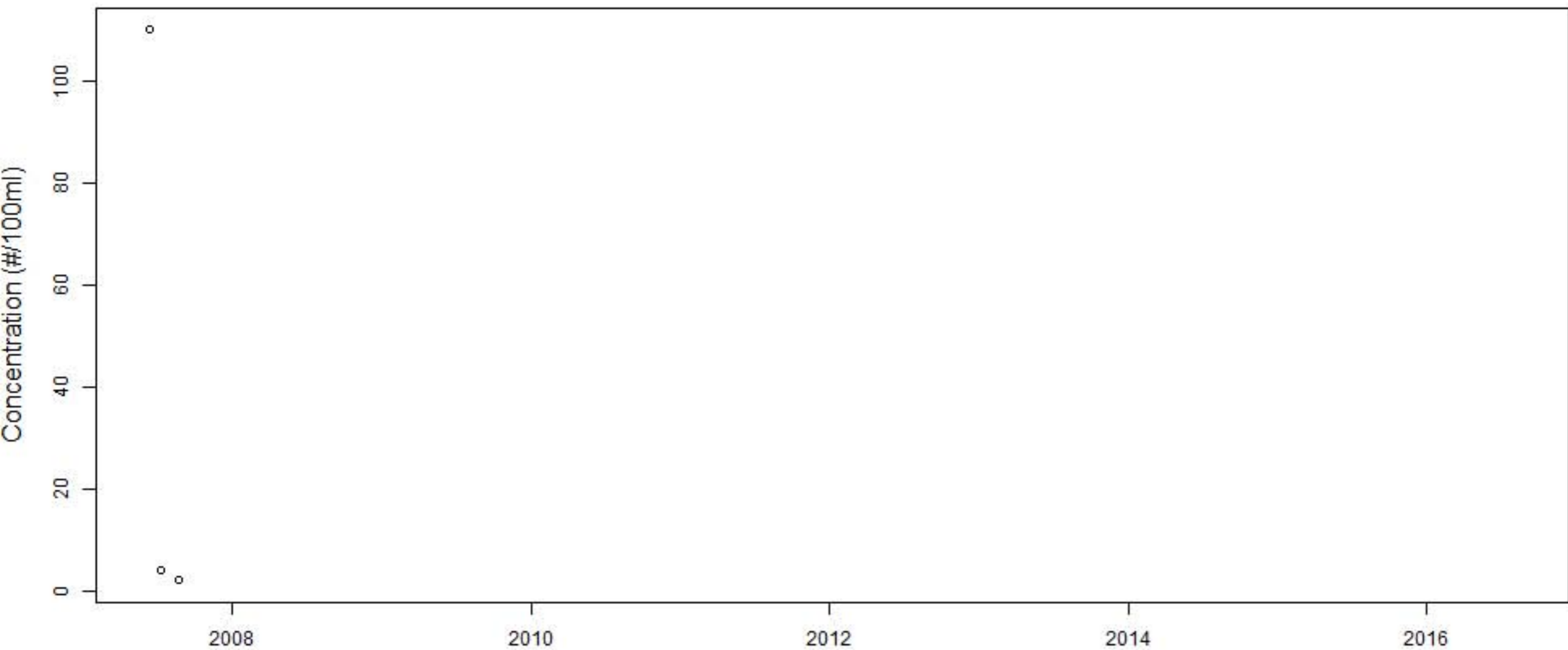
# BECY.20.Grab.After



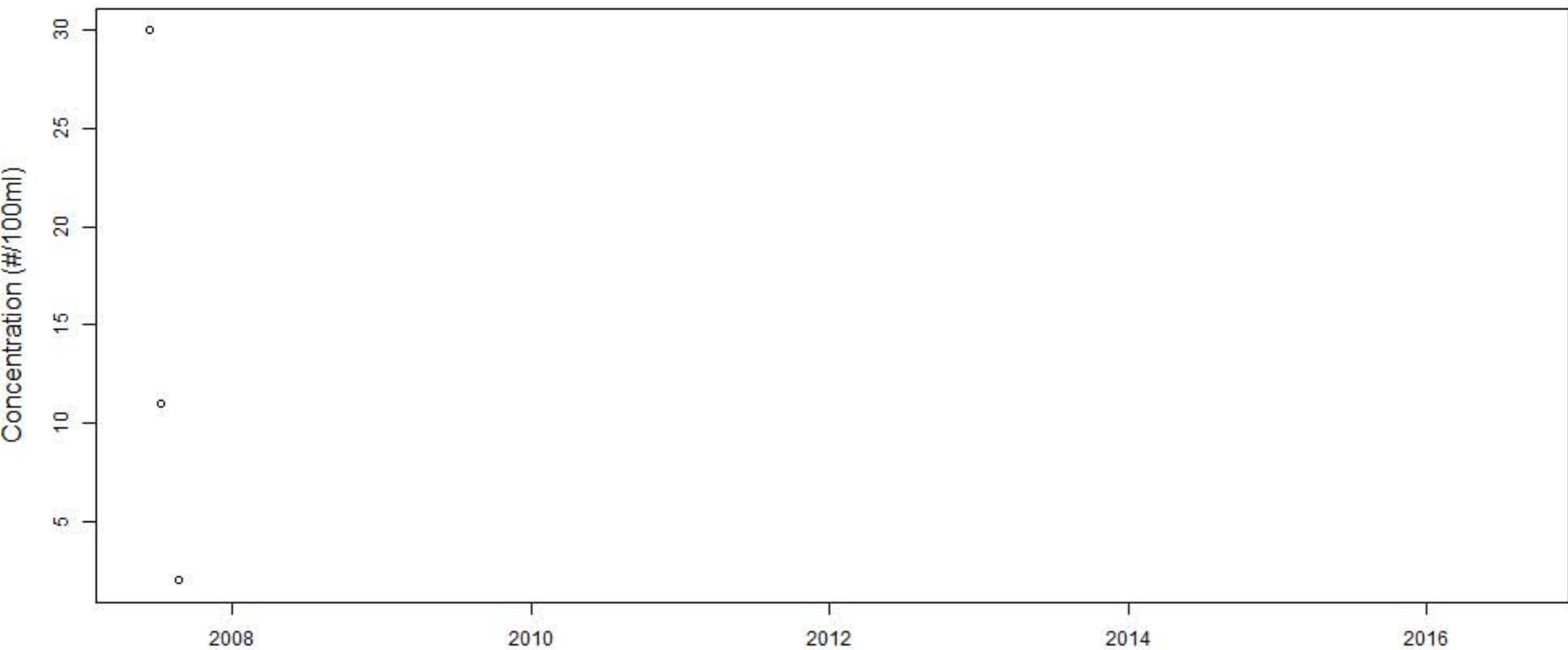
# BECY.20



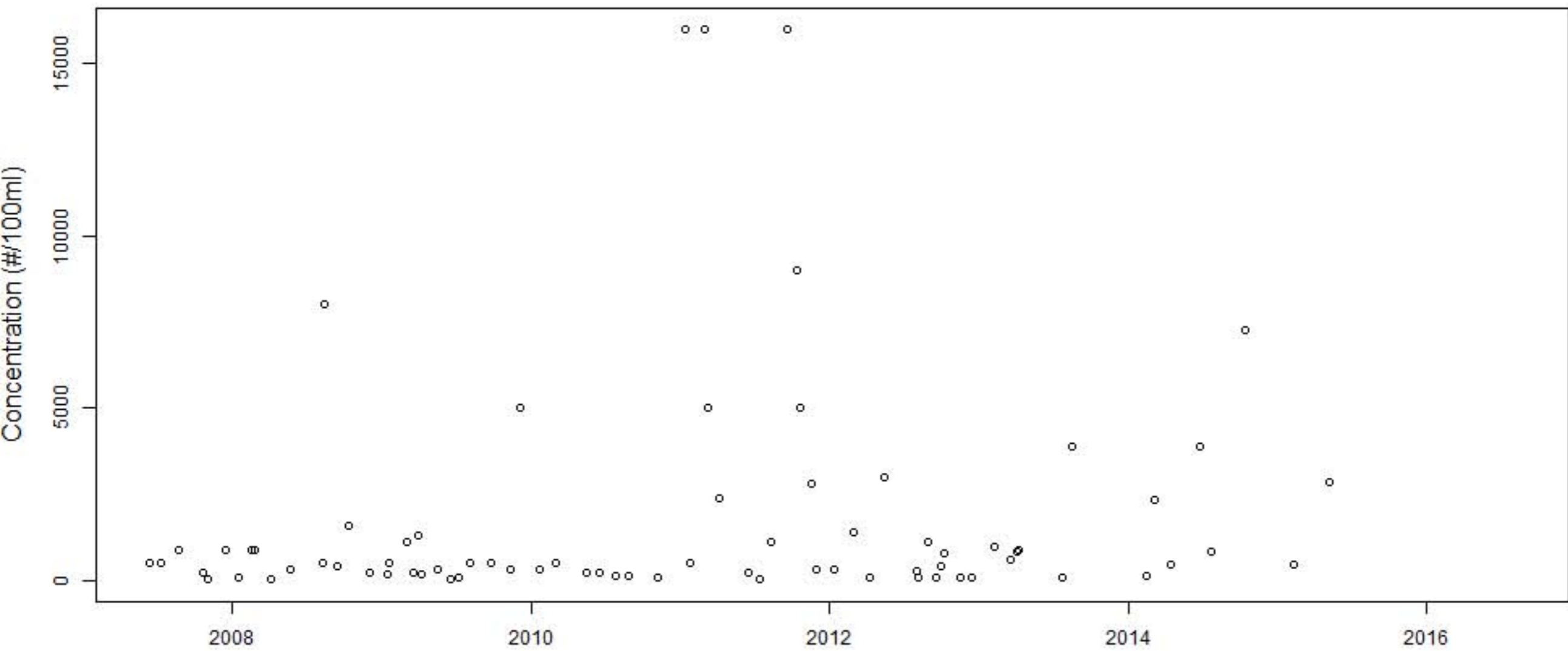
# BECY.2a.Comp



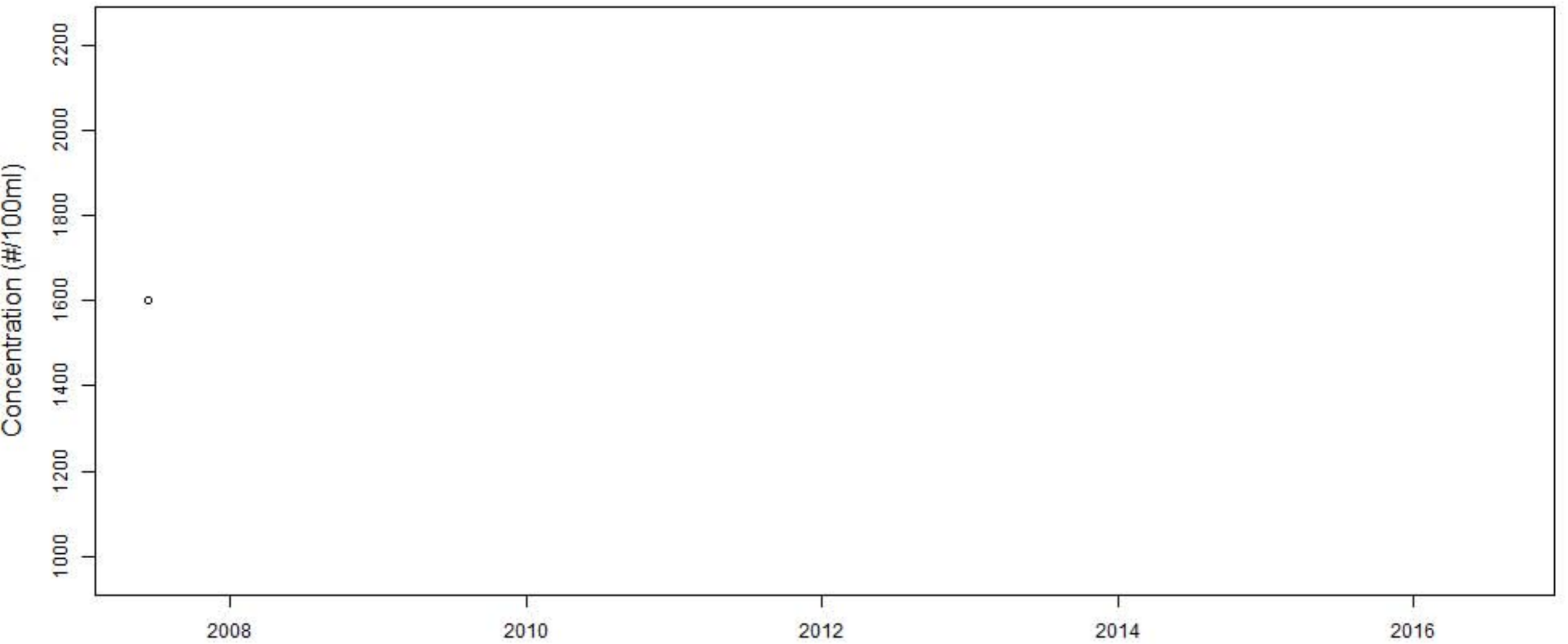
# BECY.2a.Grab



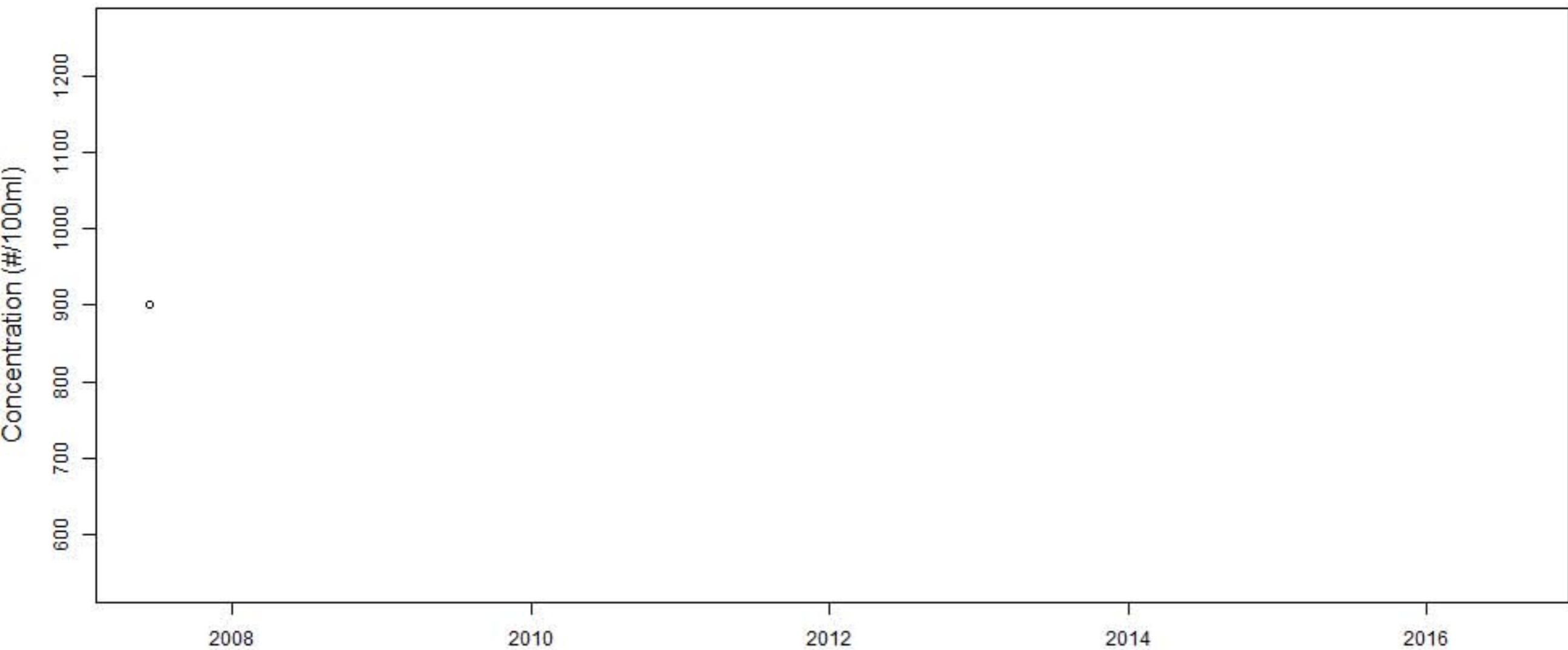
### BECY.3



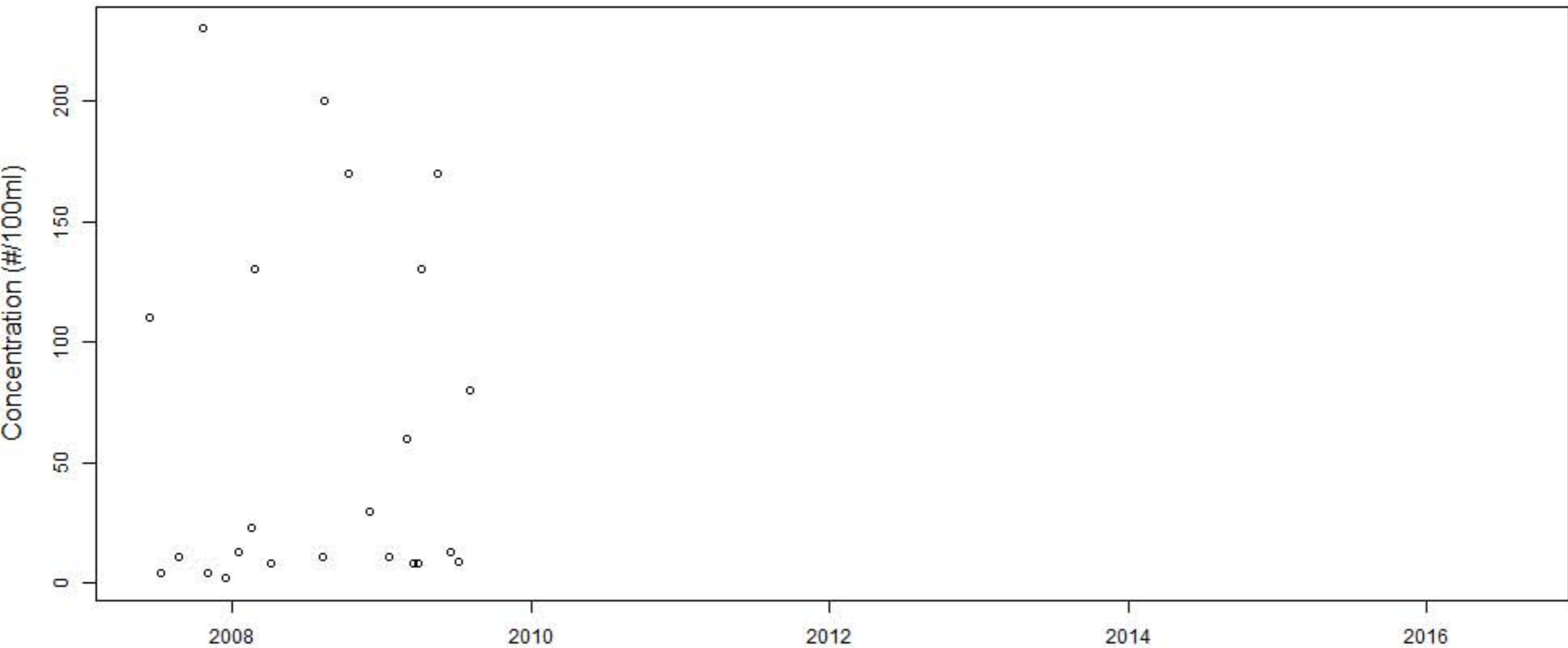
# BECY.3a.Comp



# BECY.3a.Grab



# BECY.4

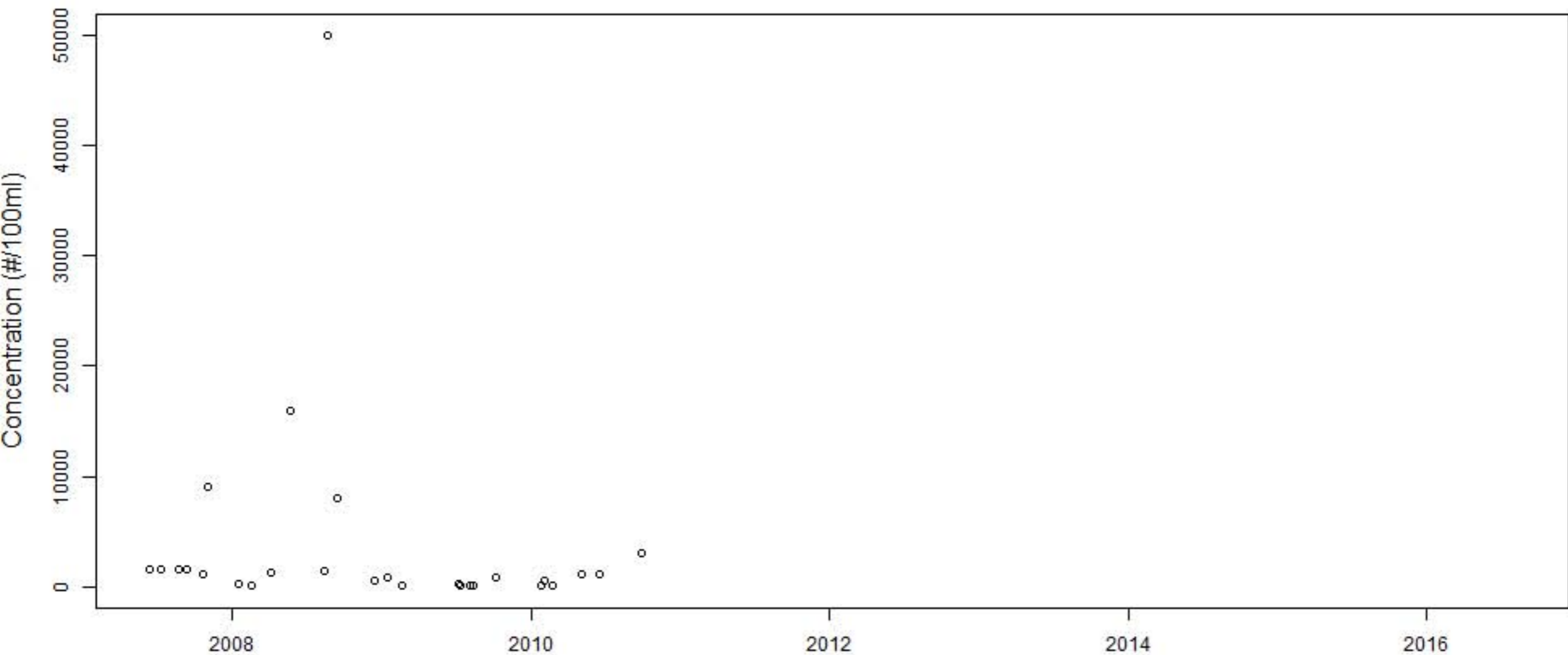




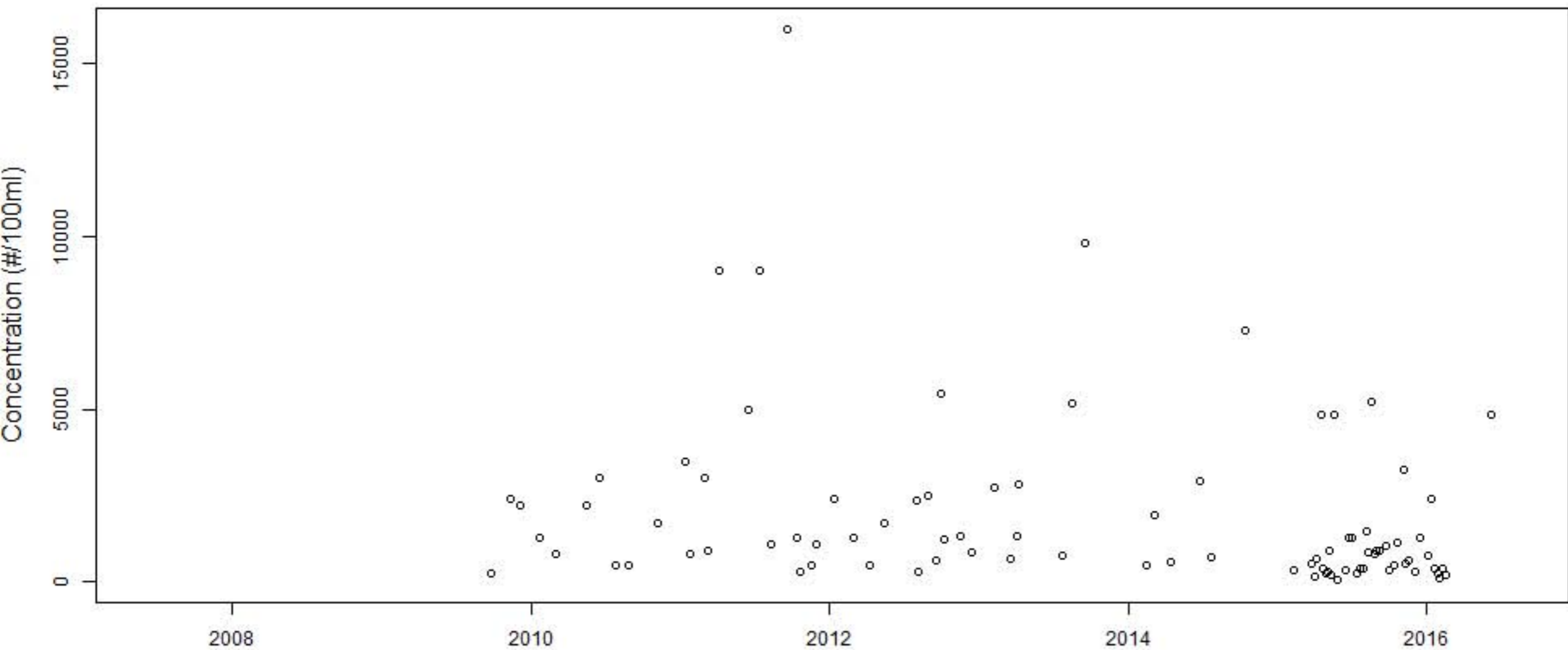




# BECY.4a.Grab

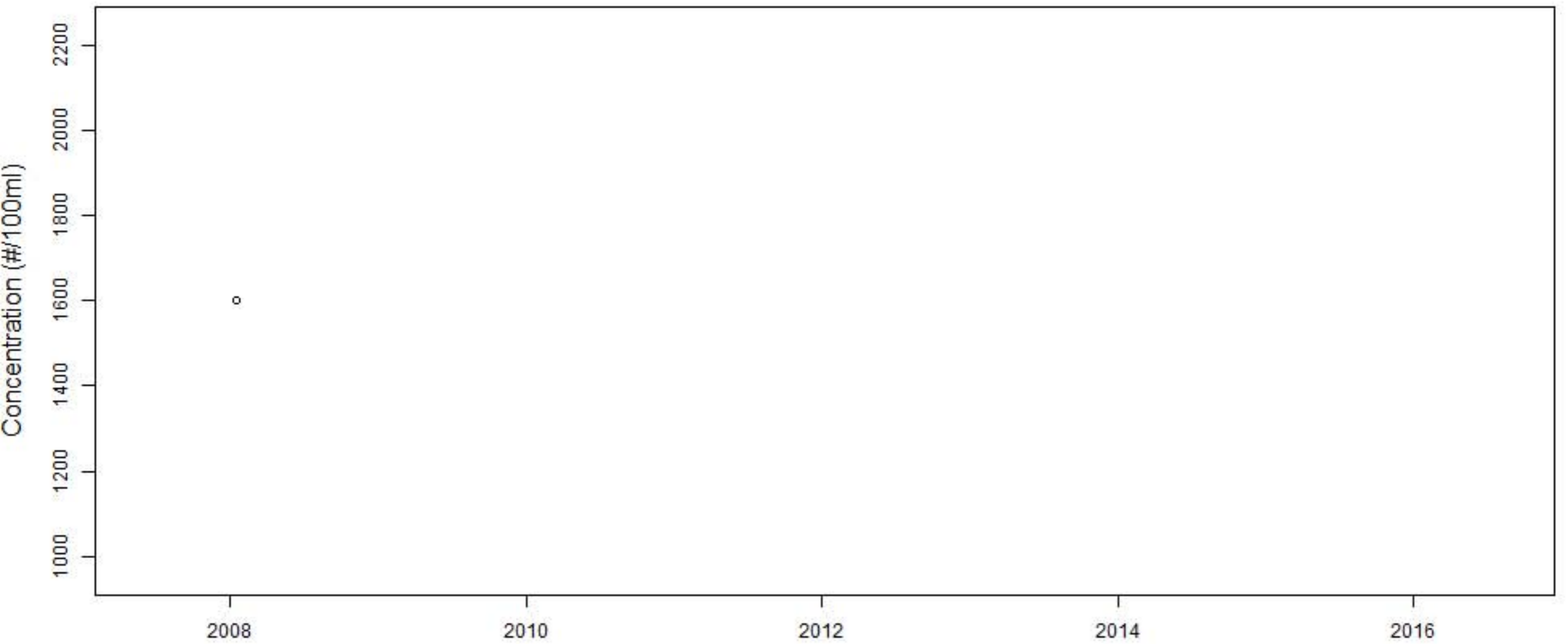


# BECY.4r

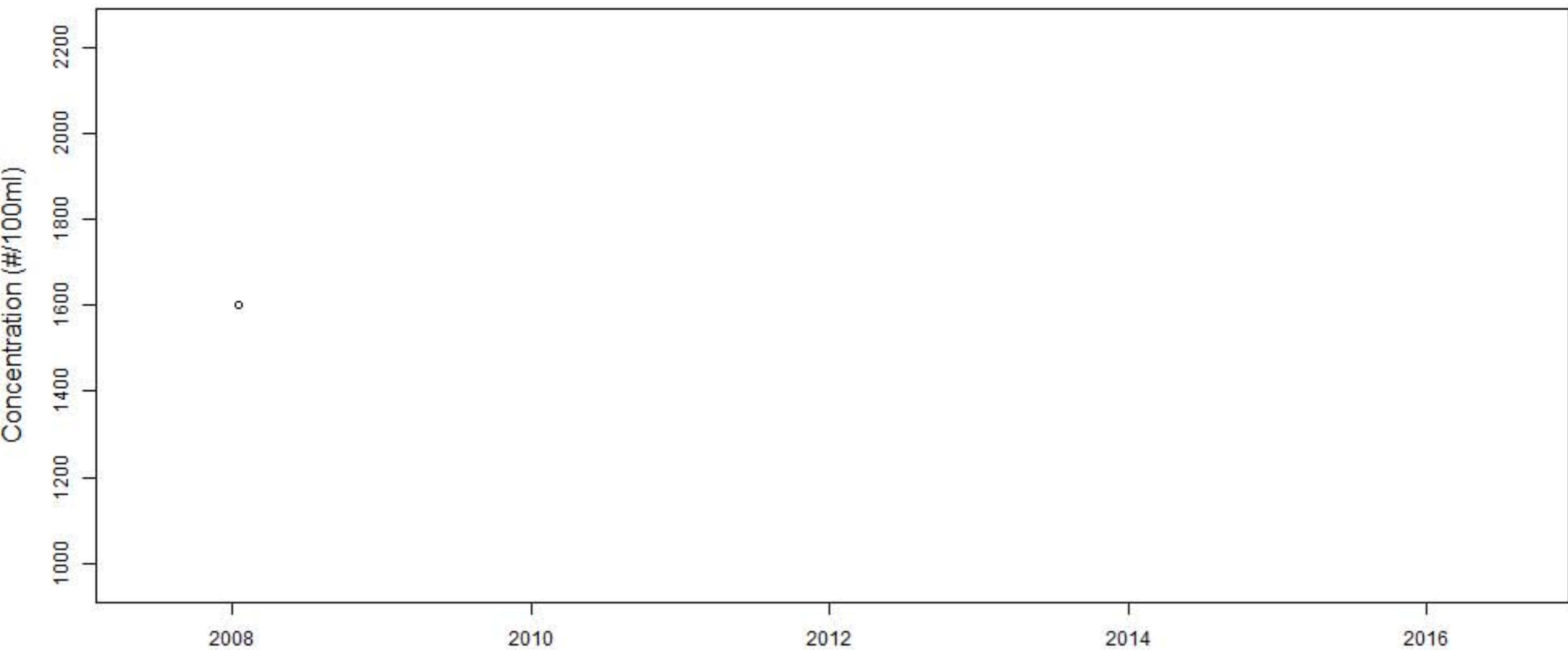




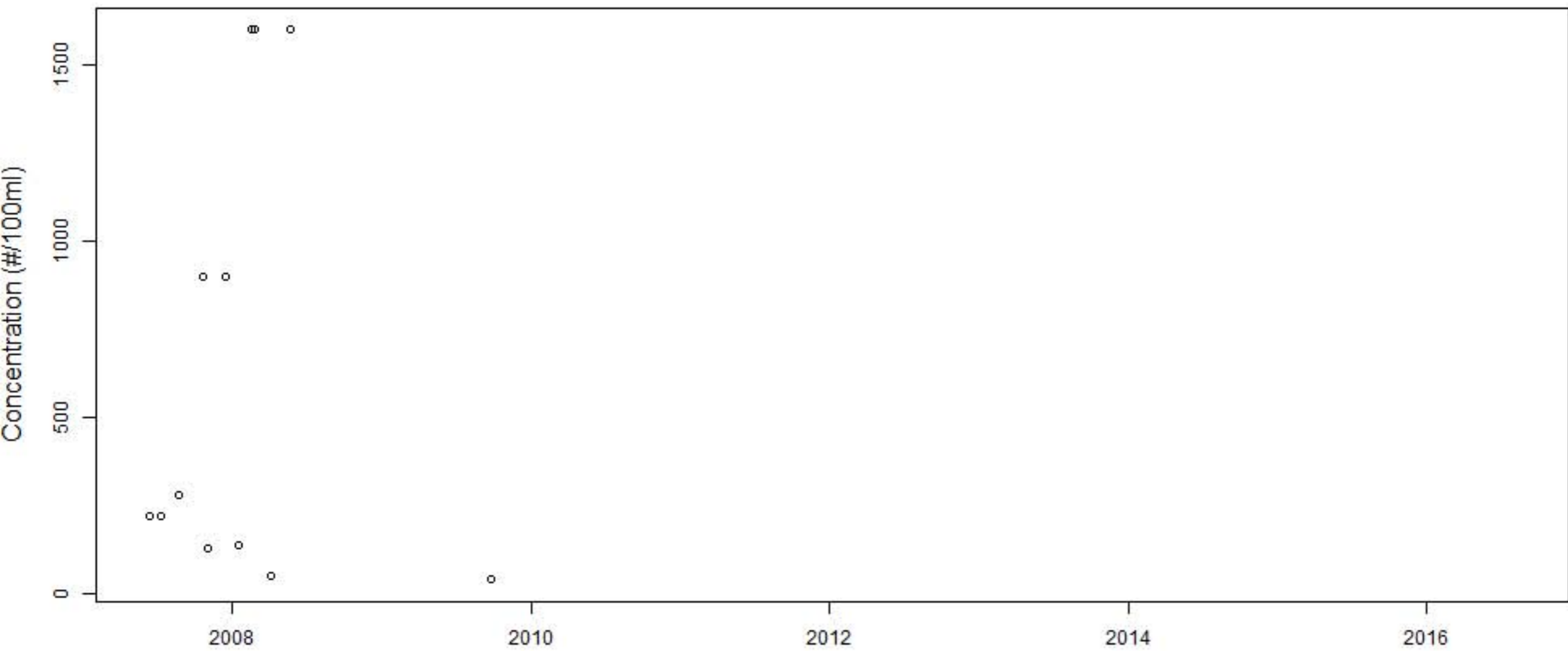
# BECY.5A.Comp



# BECY.5A.Grab

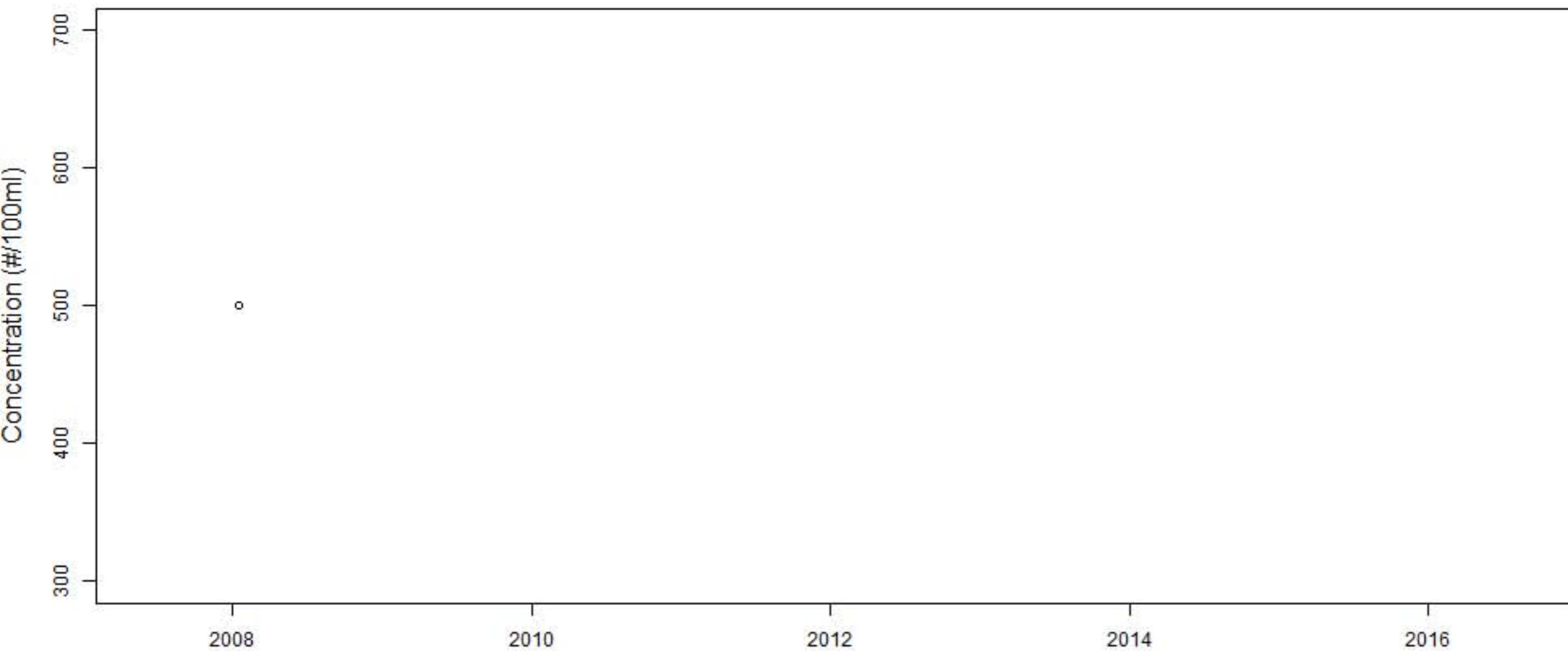


# BECY.6

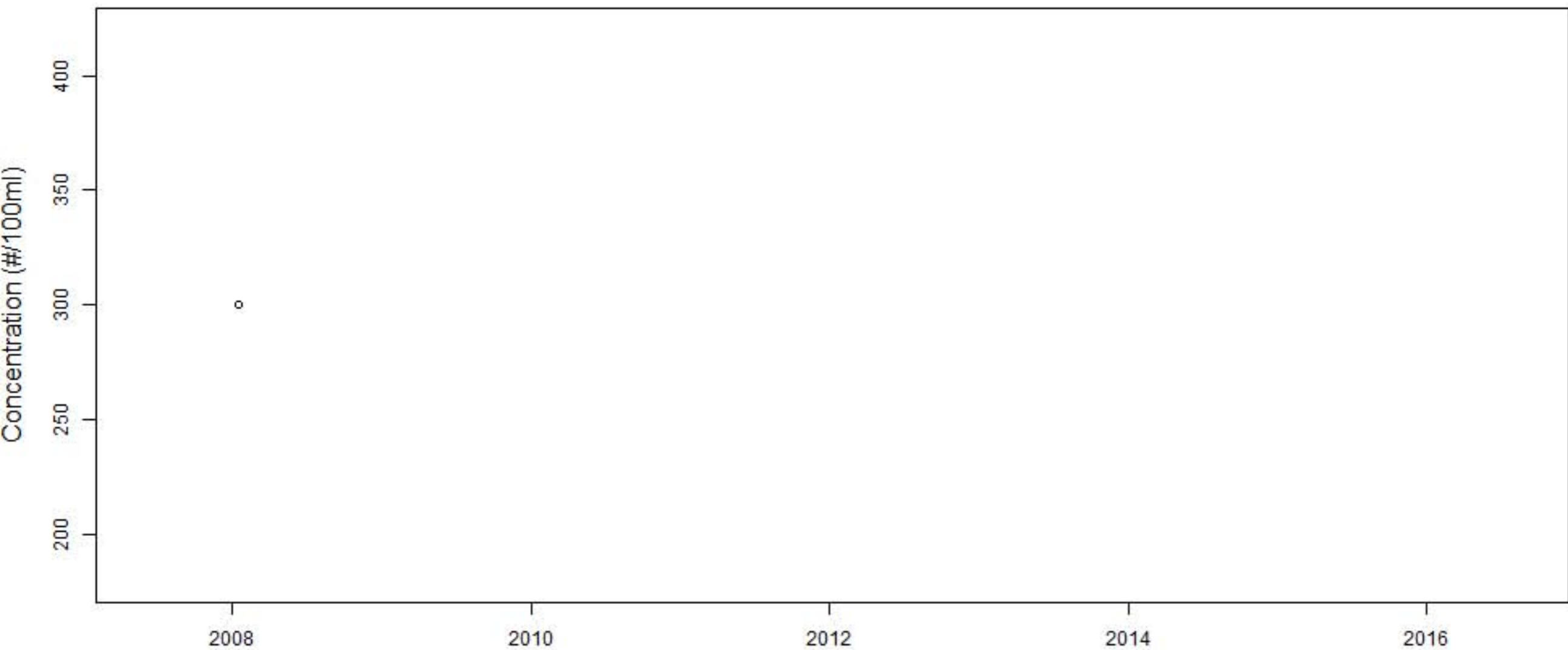




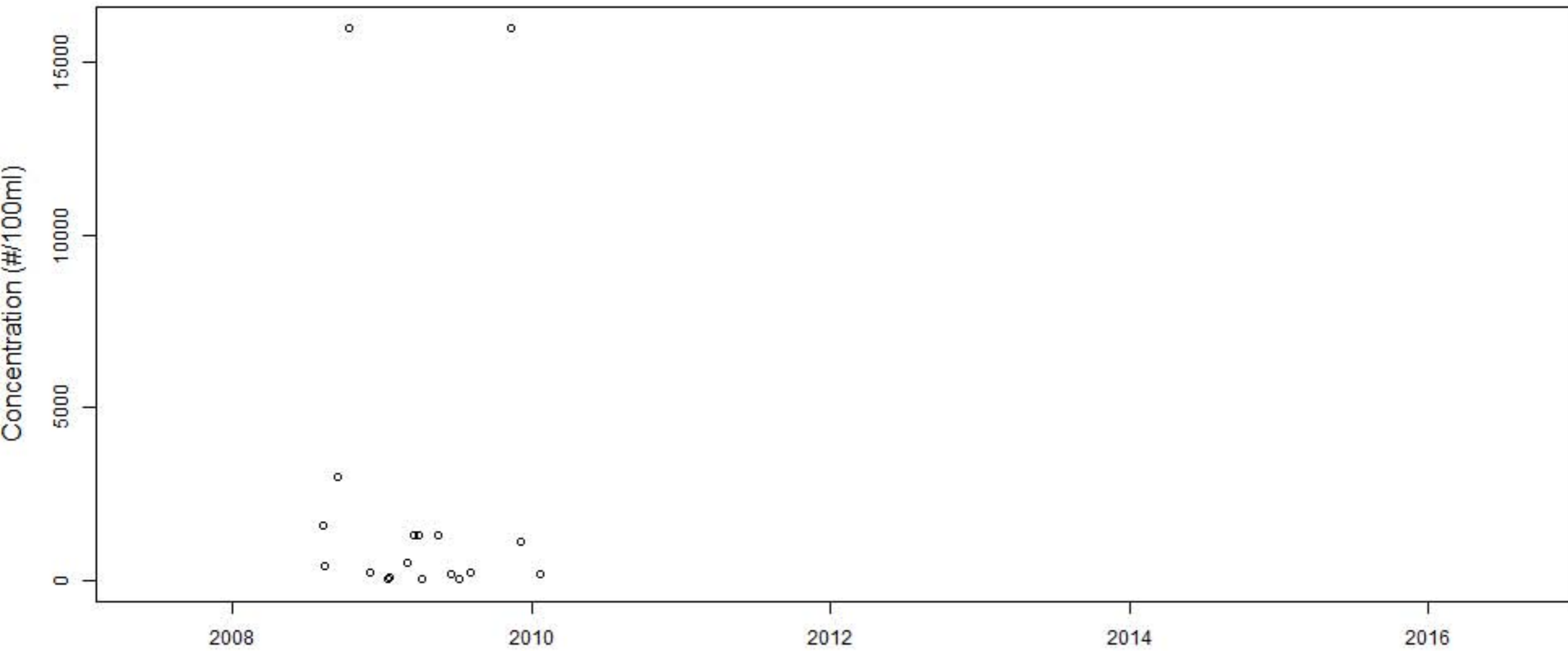
# BECY.6A.Comp



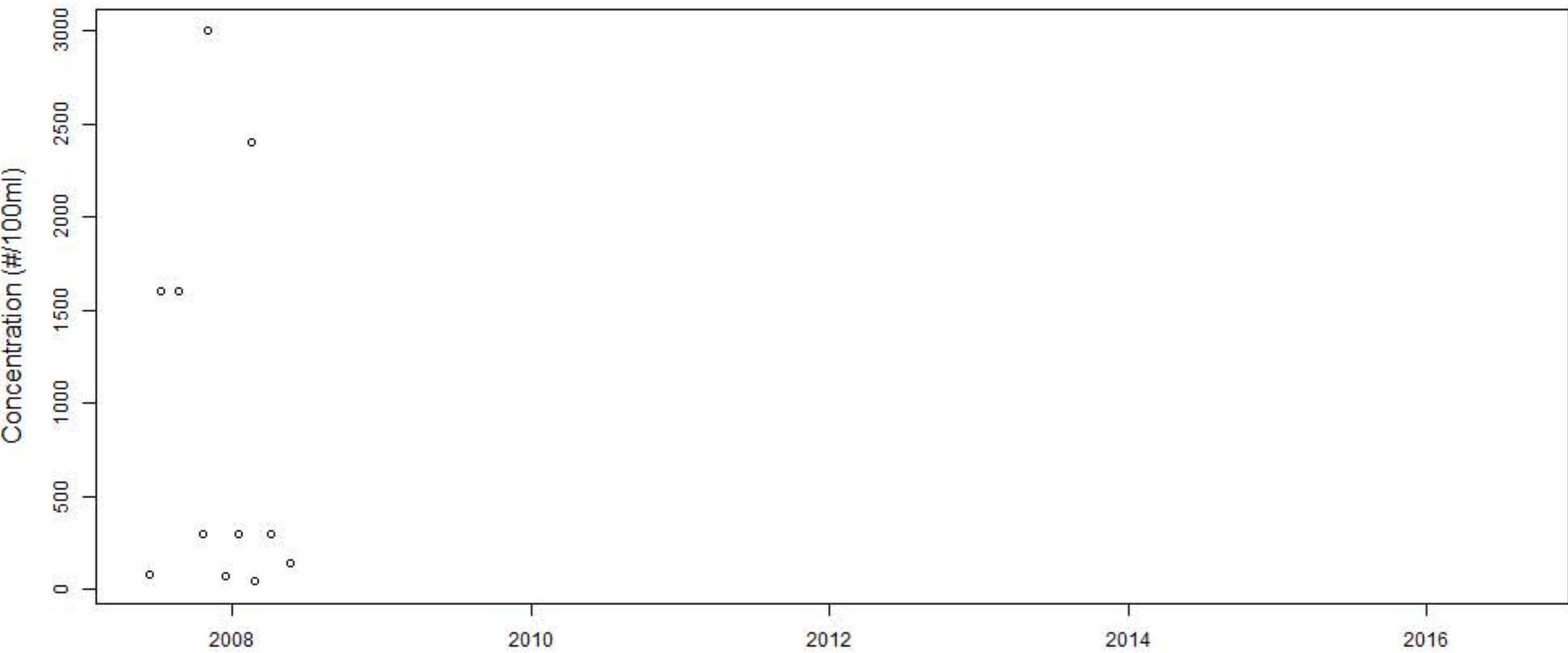
# BECY.6A.Grab



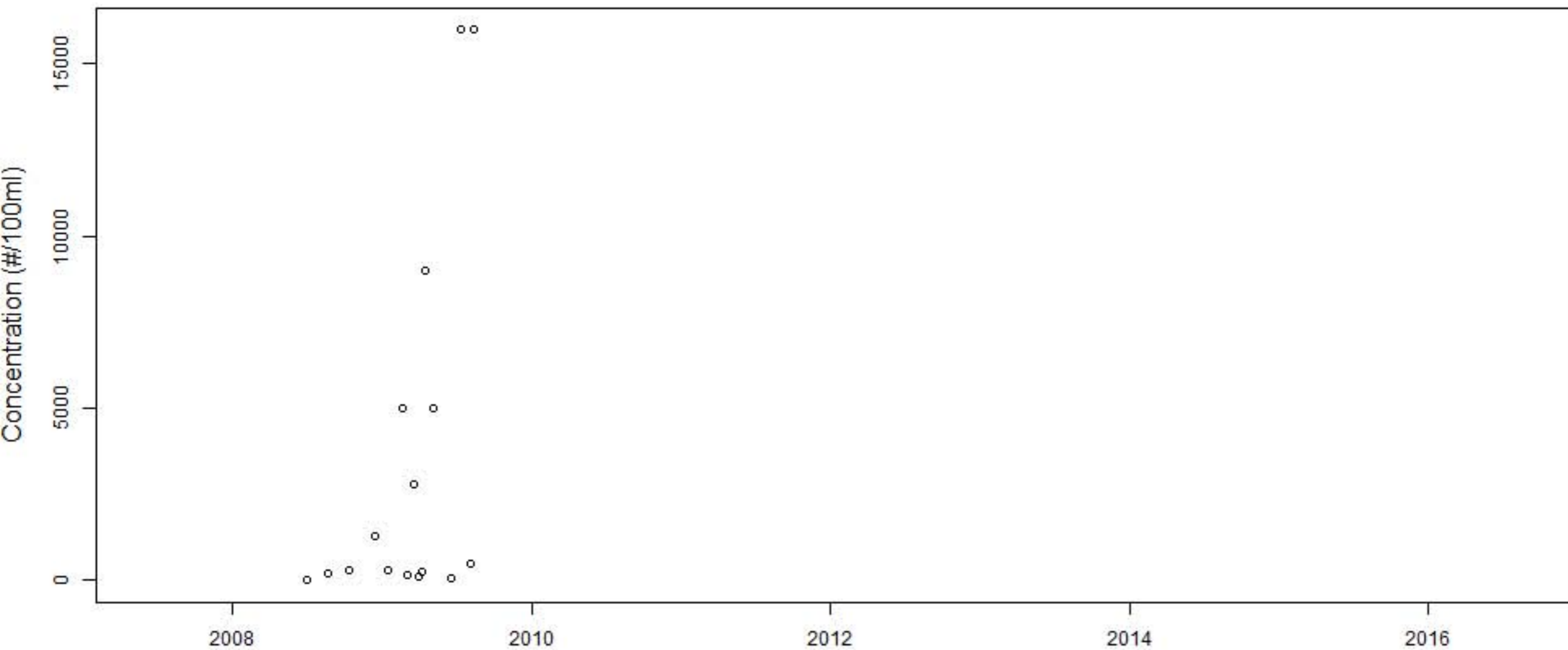
# BECY.6r



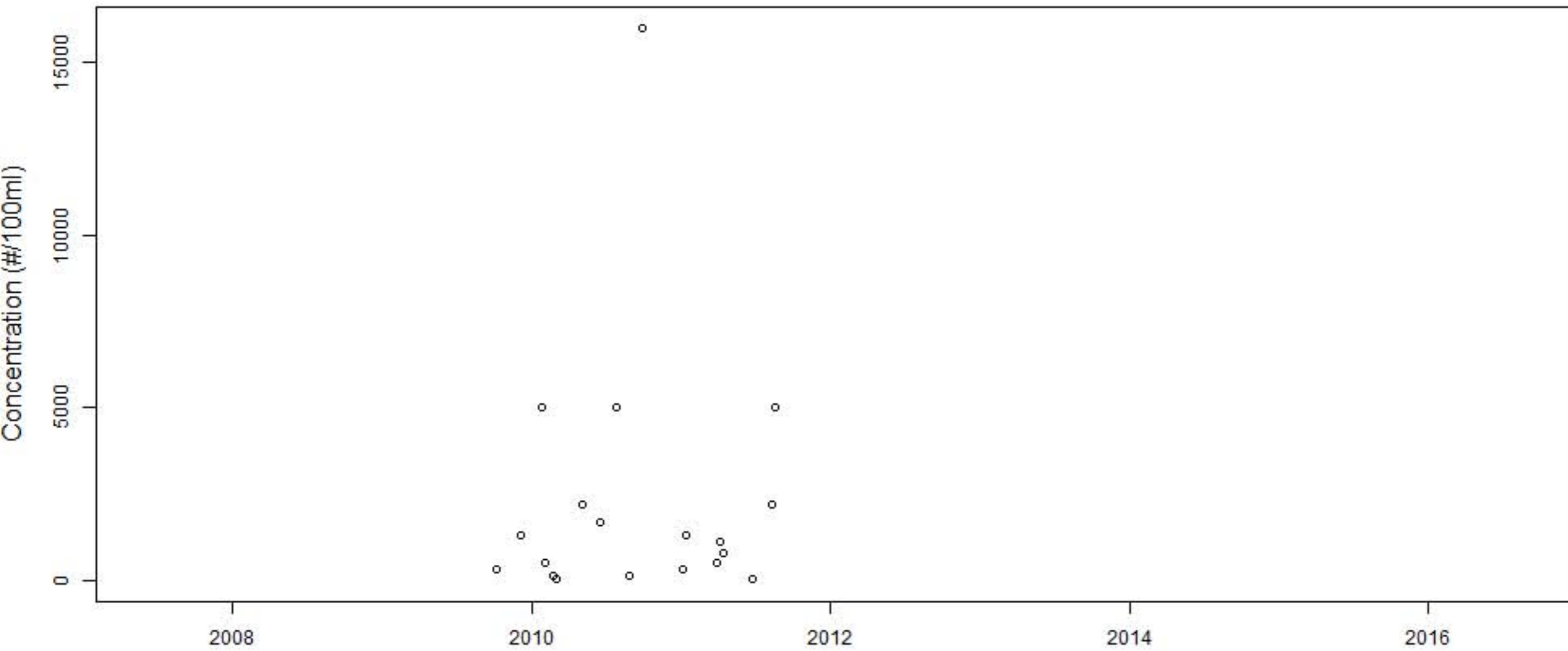
# BECY.7



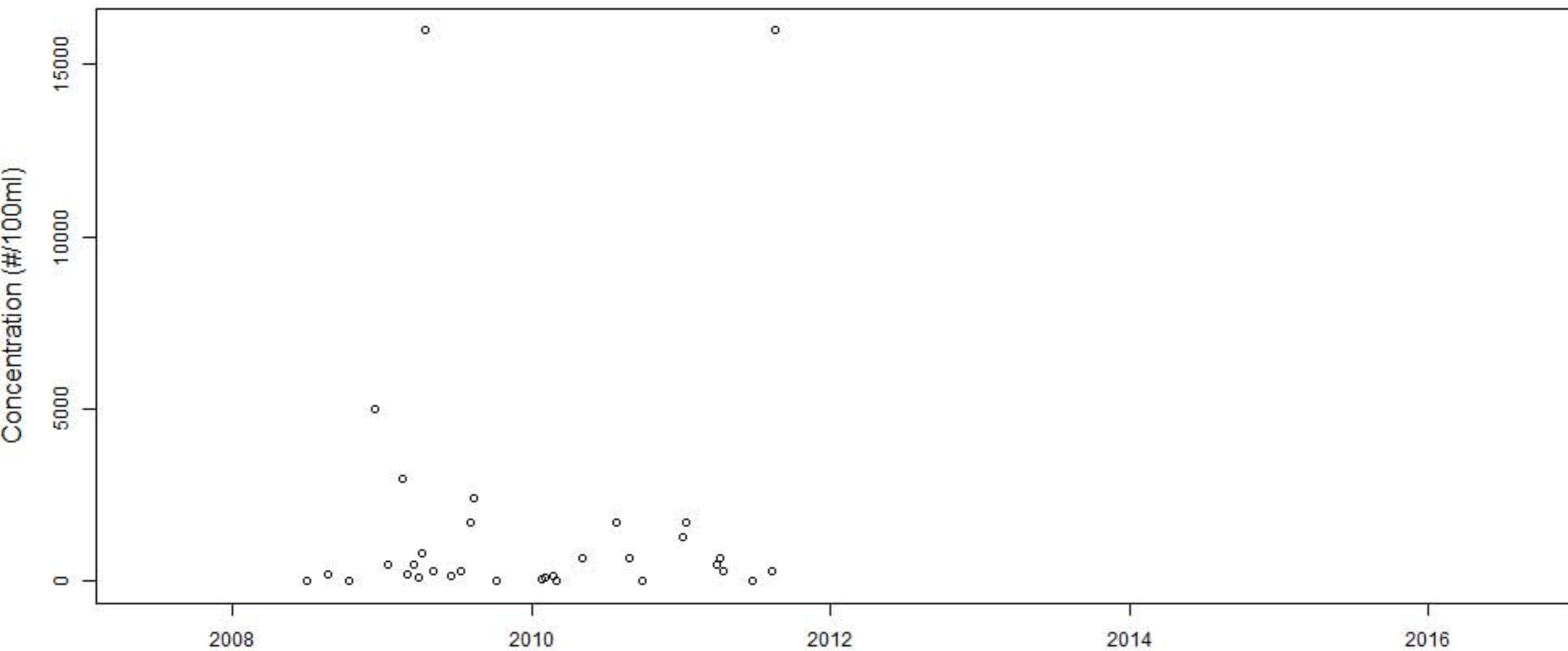
# BECY.7ra.Comp



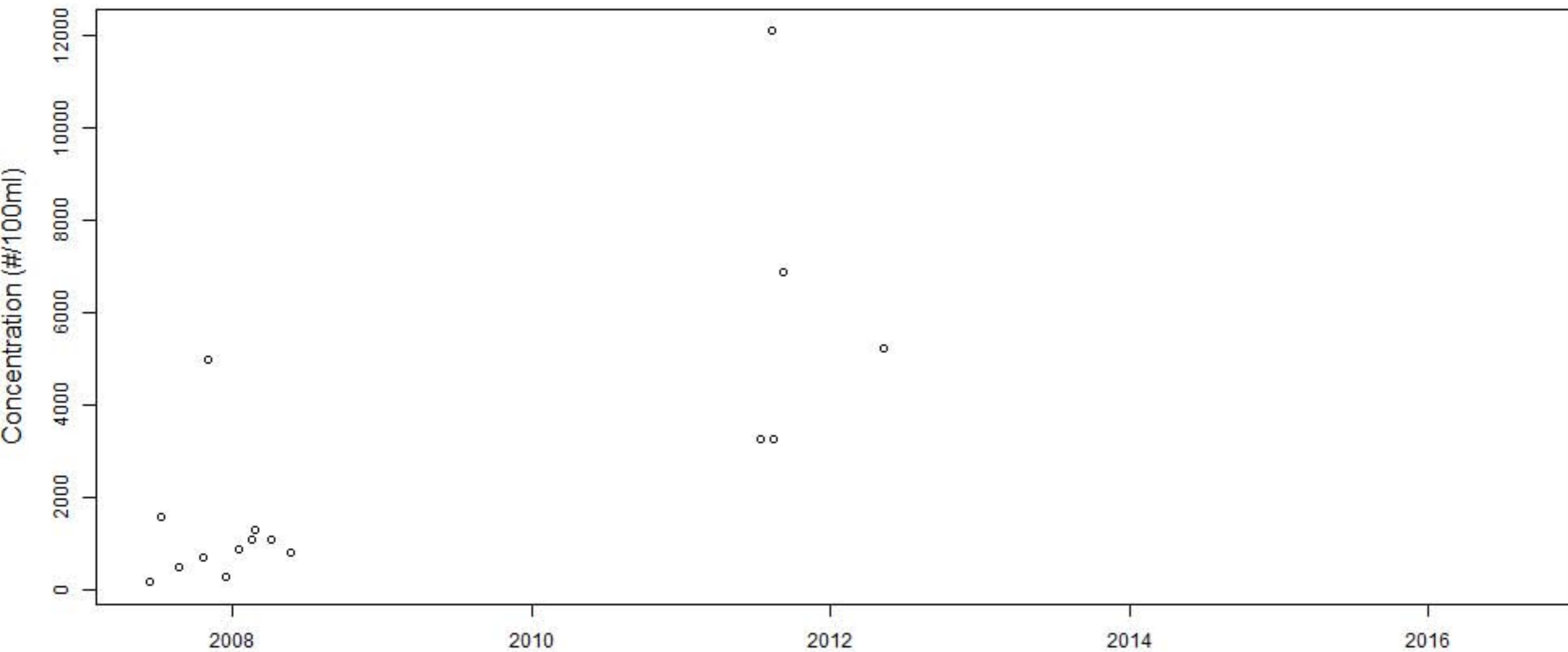
BECY.7ra.Grab.After



# BECY.7ra.Grab



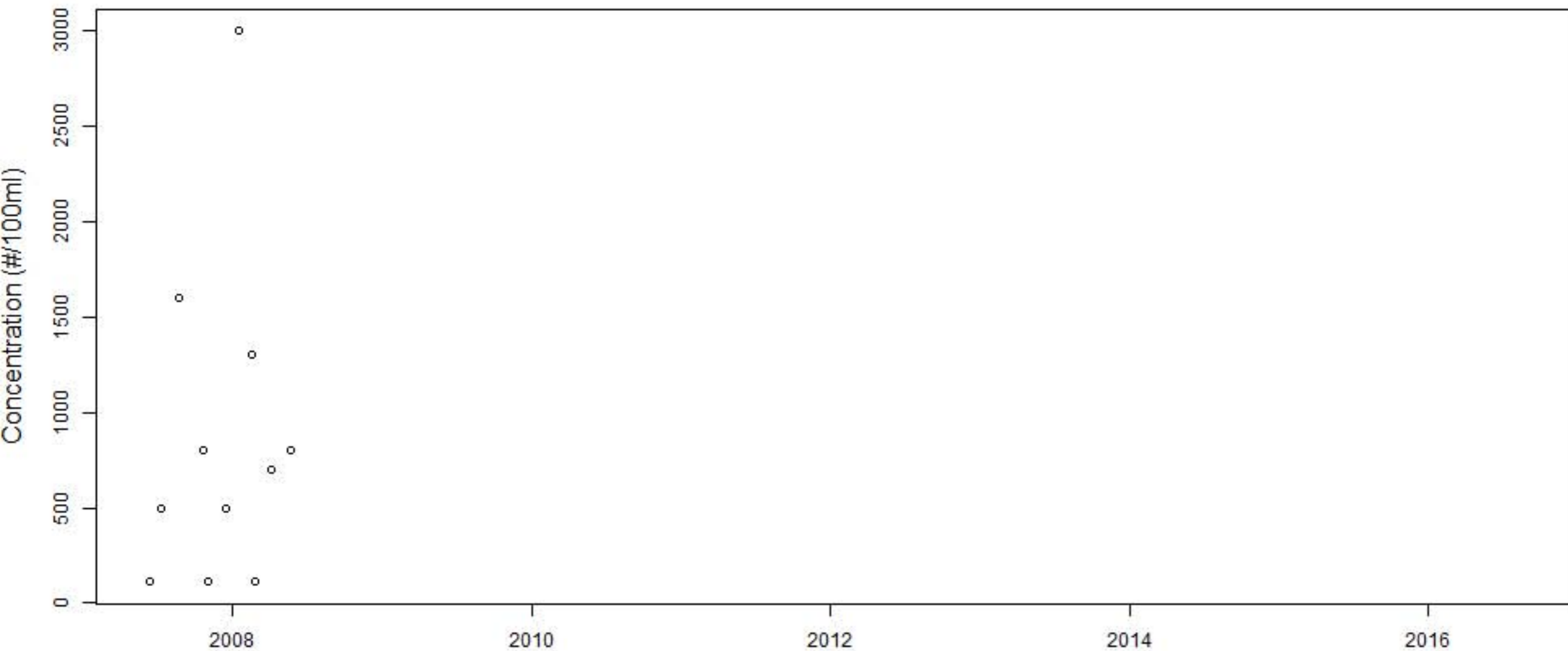
# BECY.8



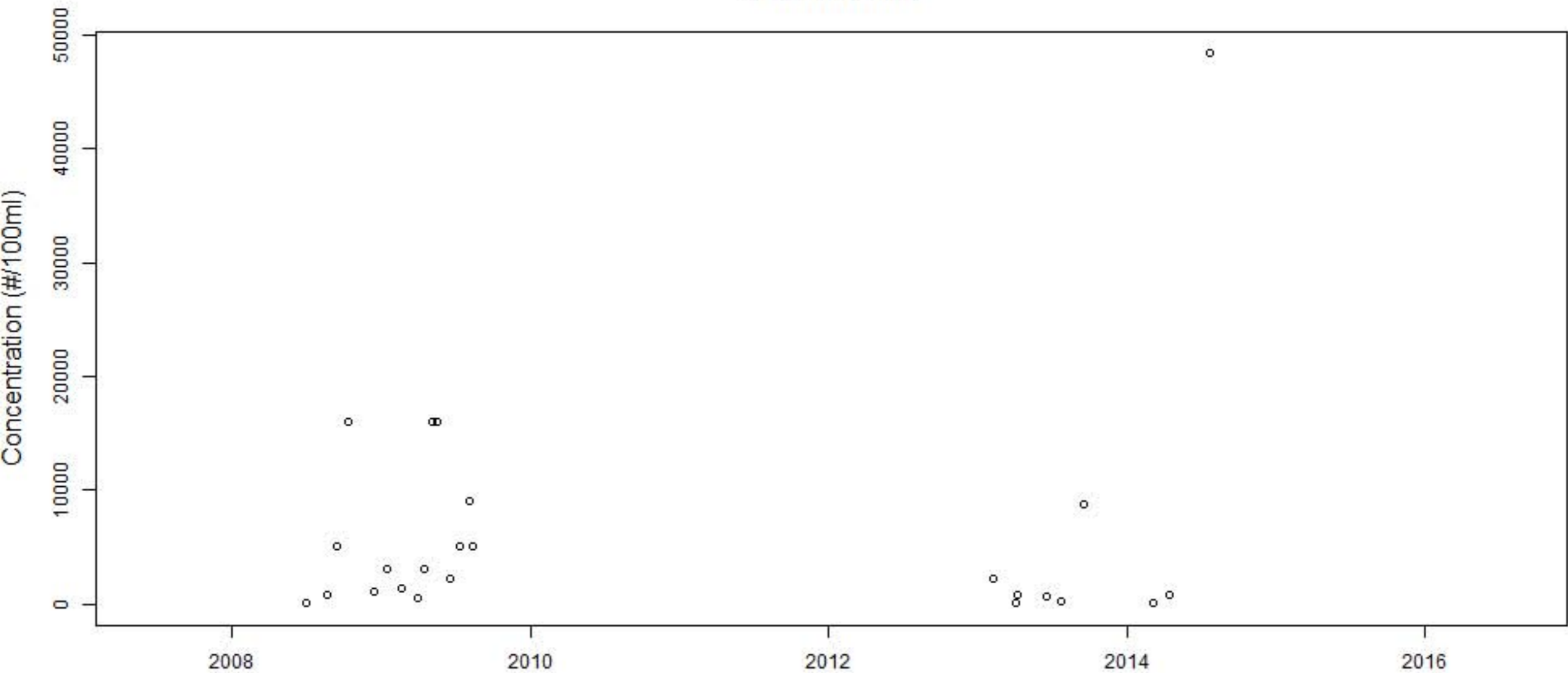




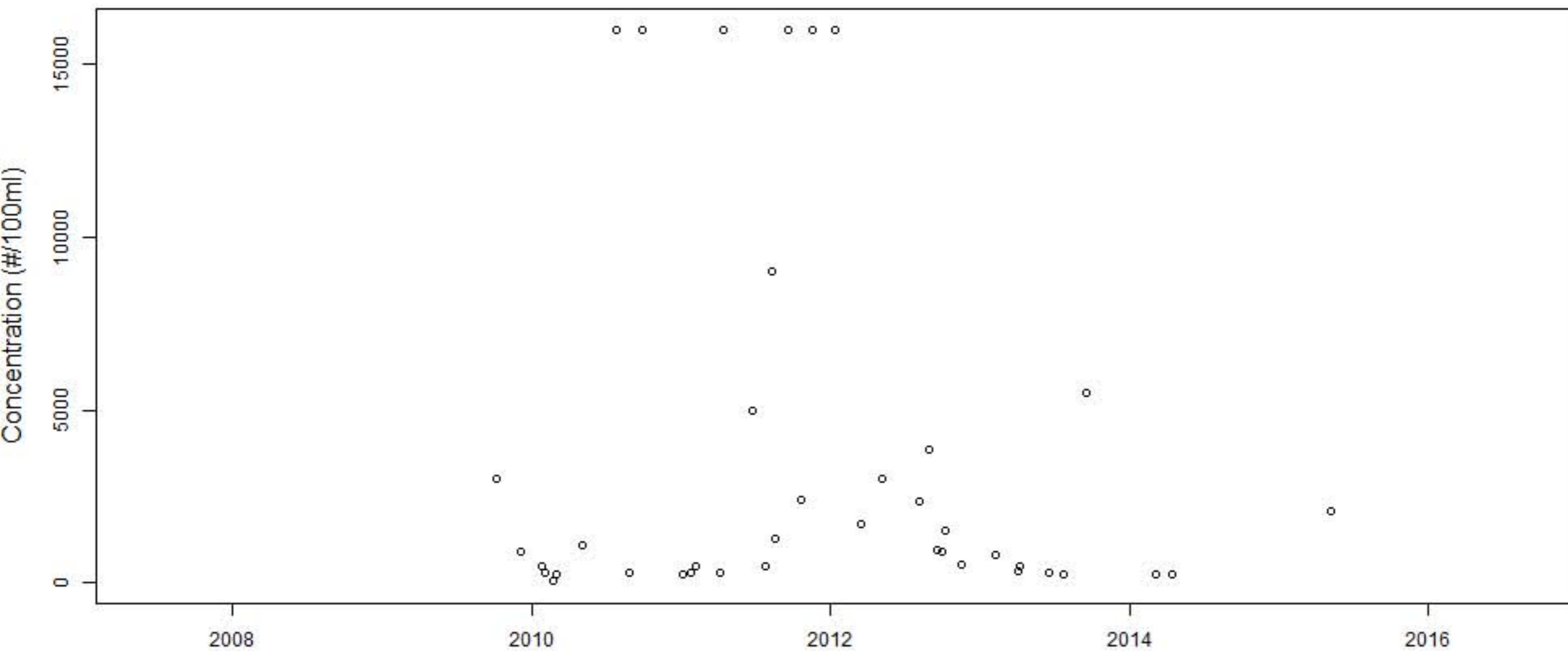
# BECY.9



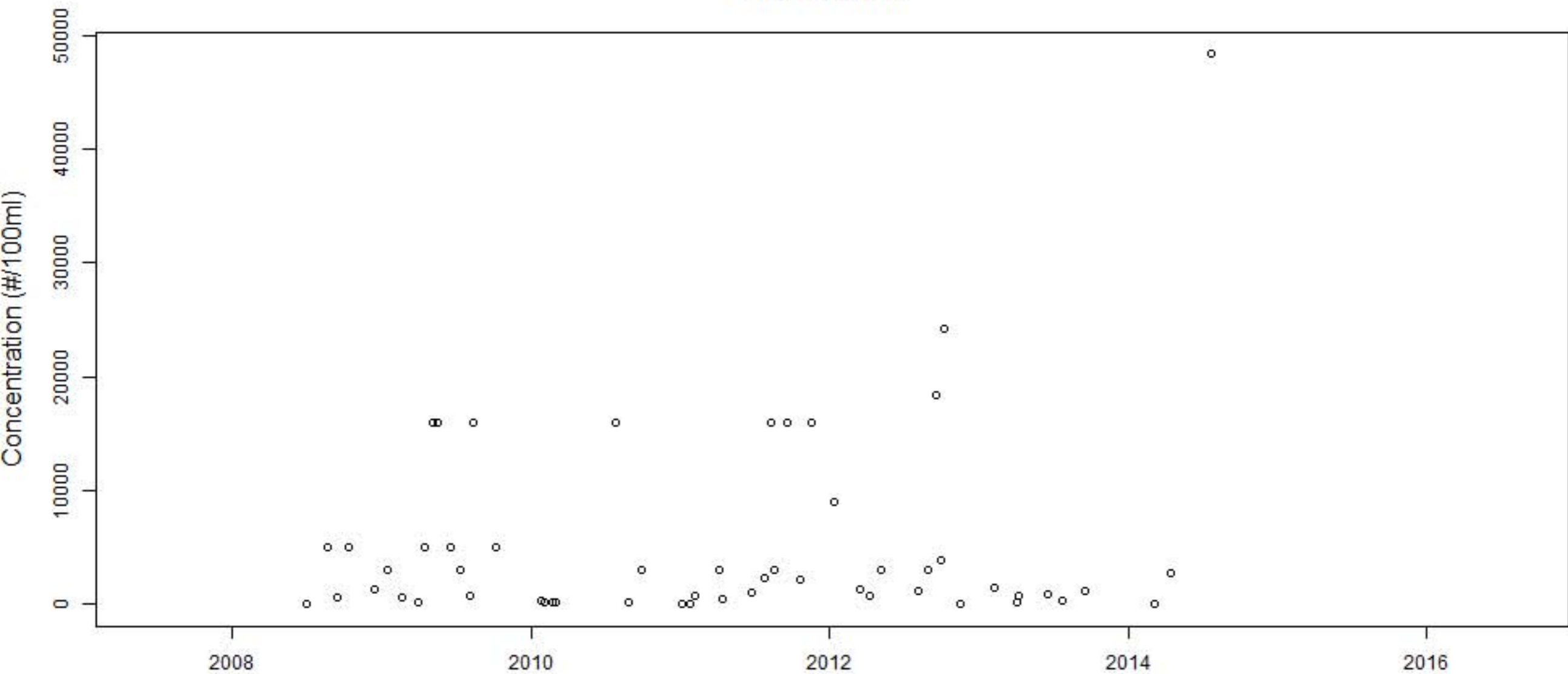
# BECY.9ra.Comp



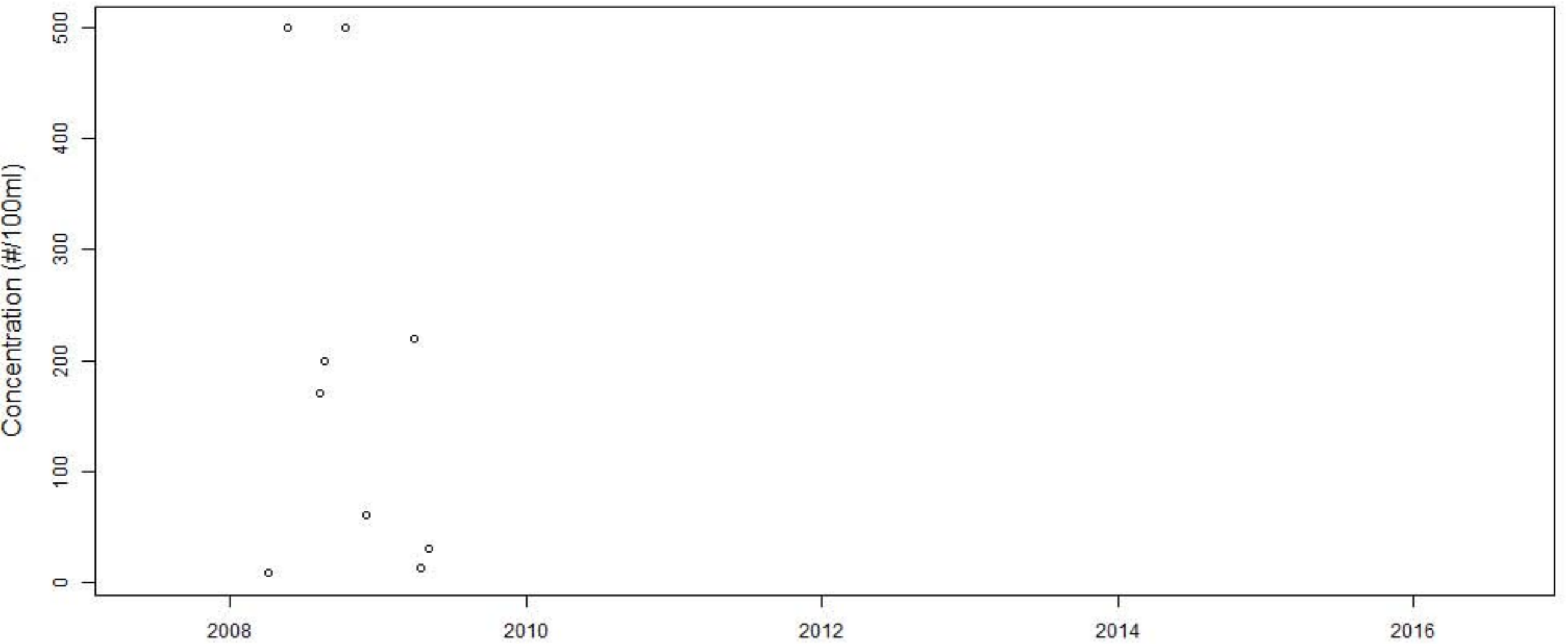
BECY.9ra.Grab.After



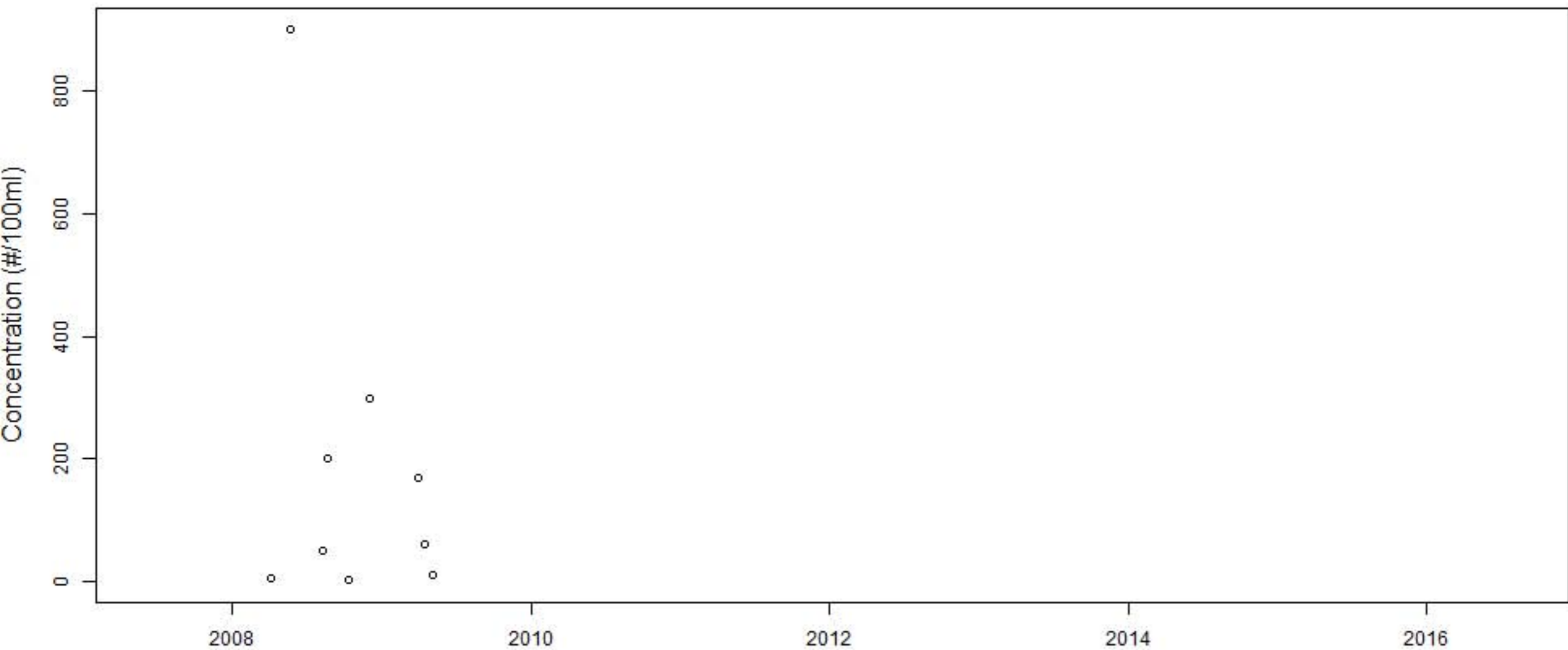
# BECY.9ra.Grab



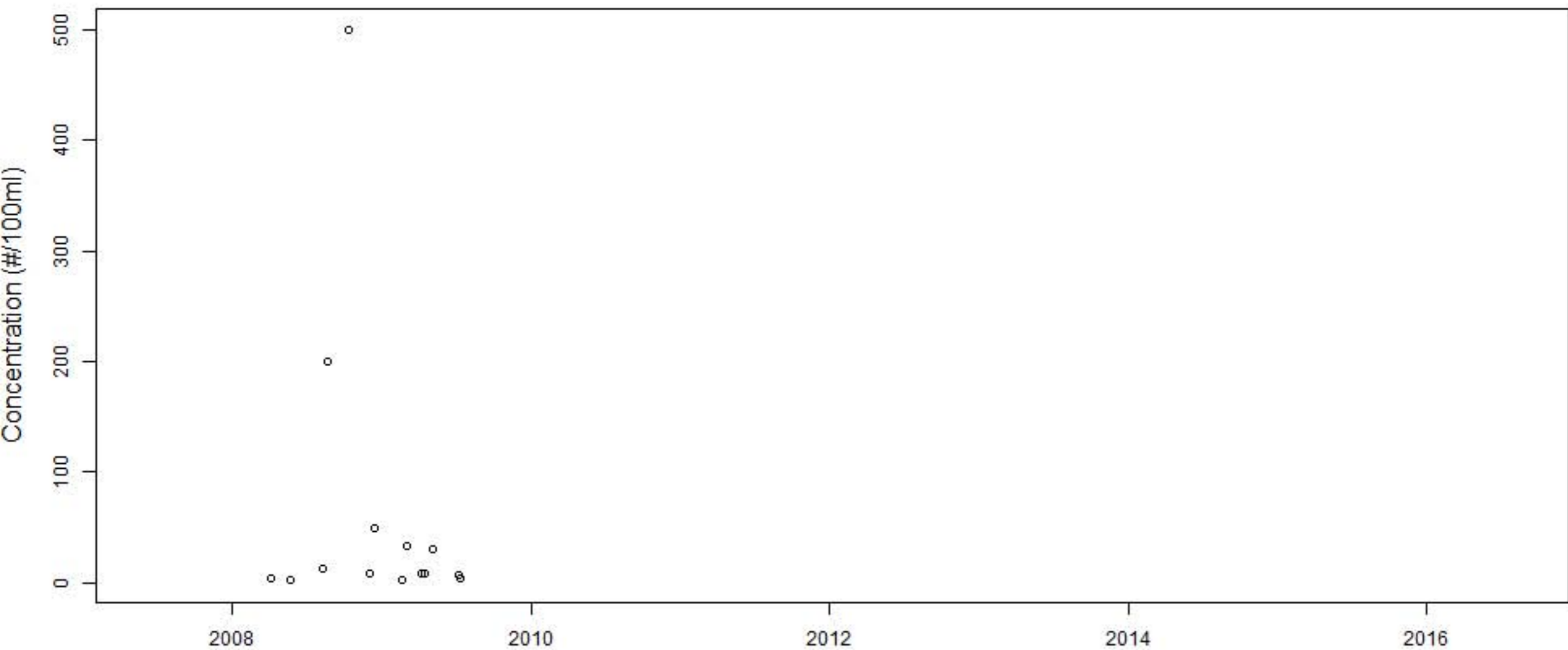
# BM Pep...IN.COMP



# BM Pep...IN.GRAB

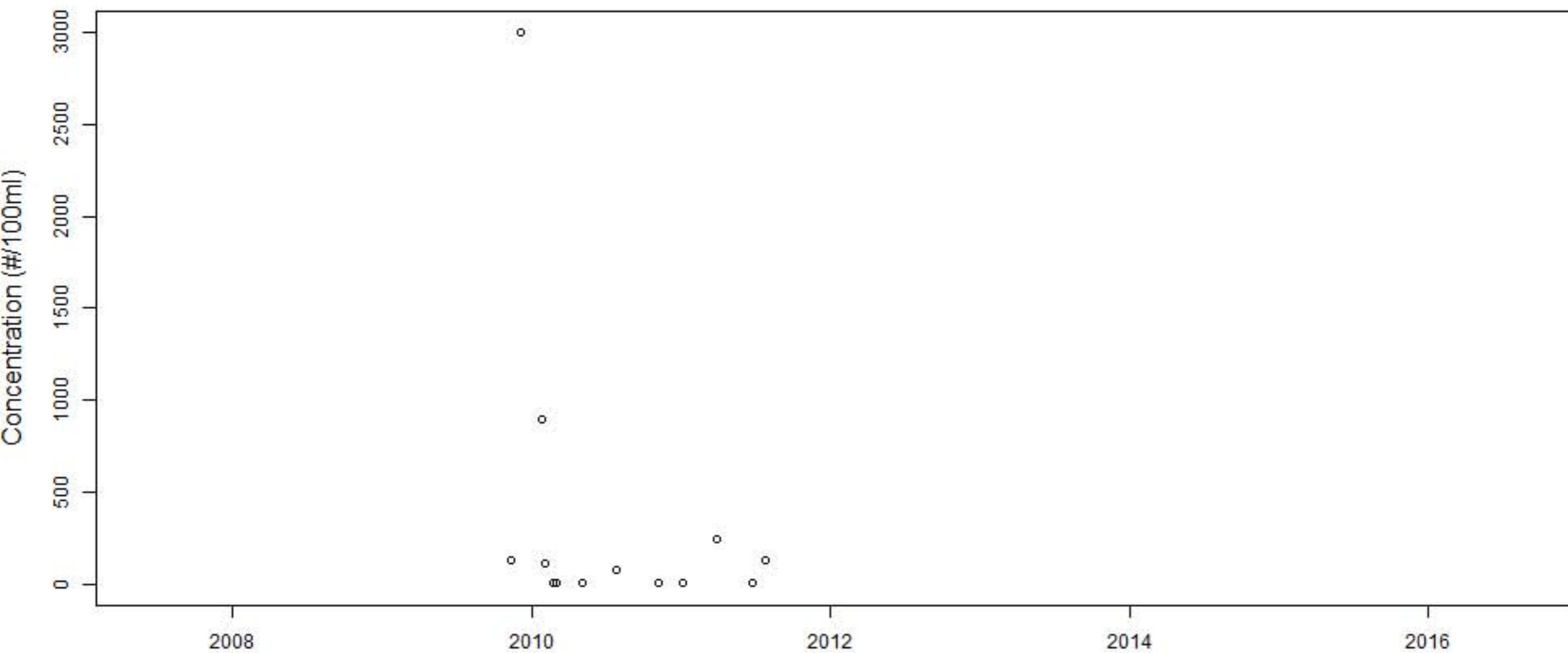


# BM Pep...OUT.COMP





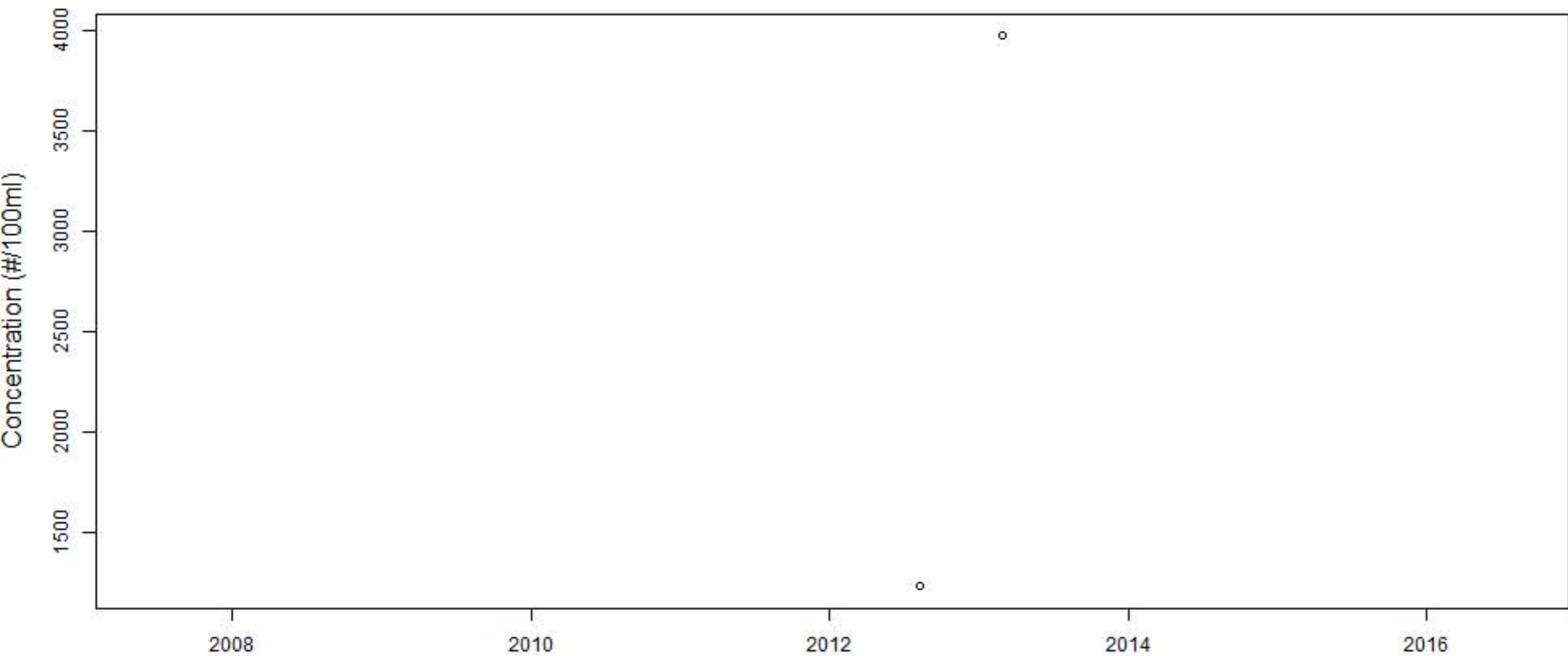
BMPep...OUT.GRAB.After



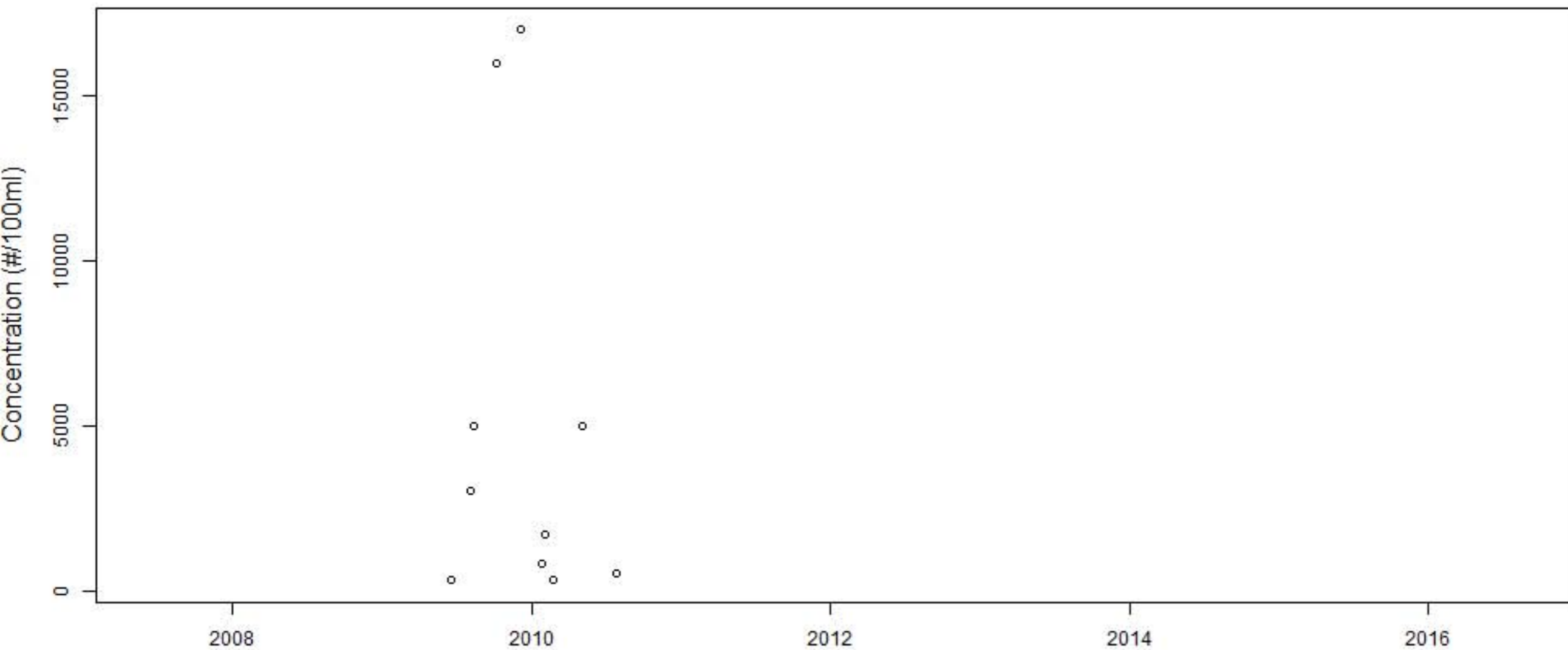




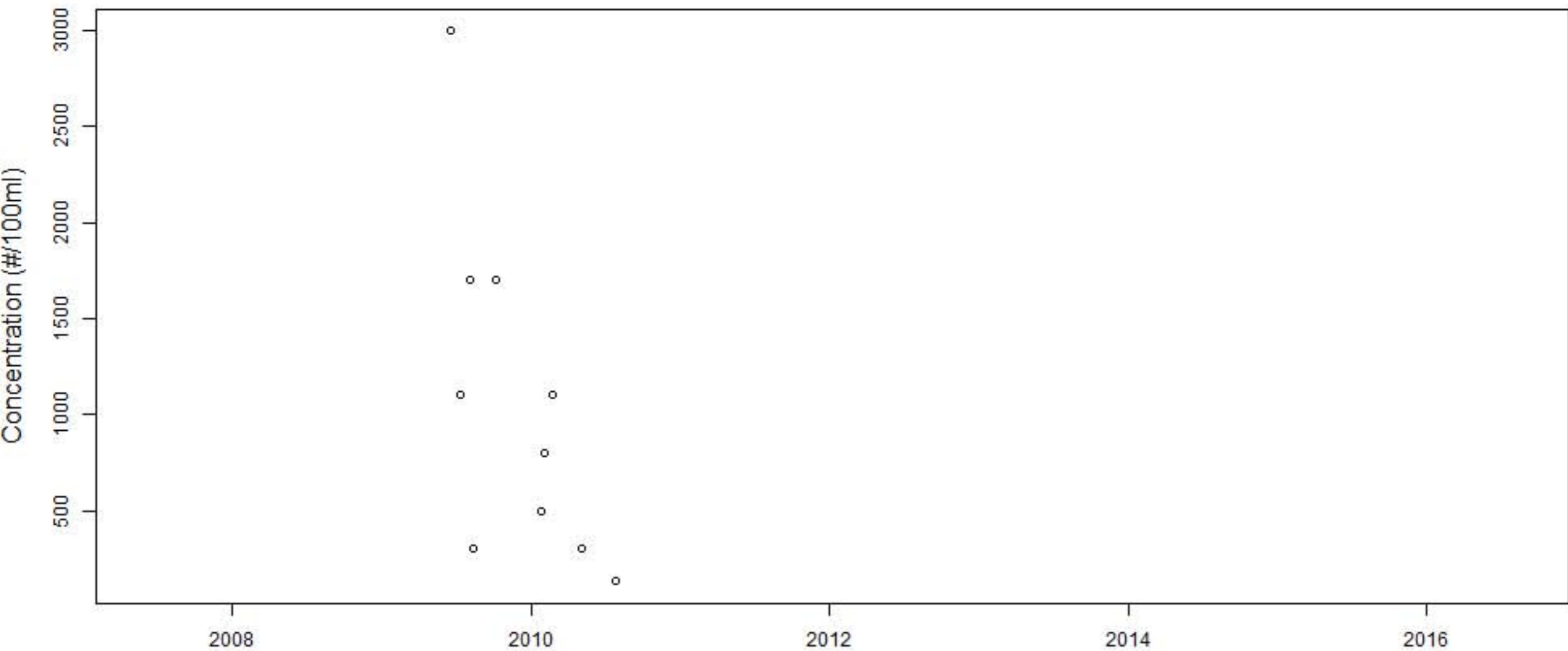
# CHD



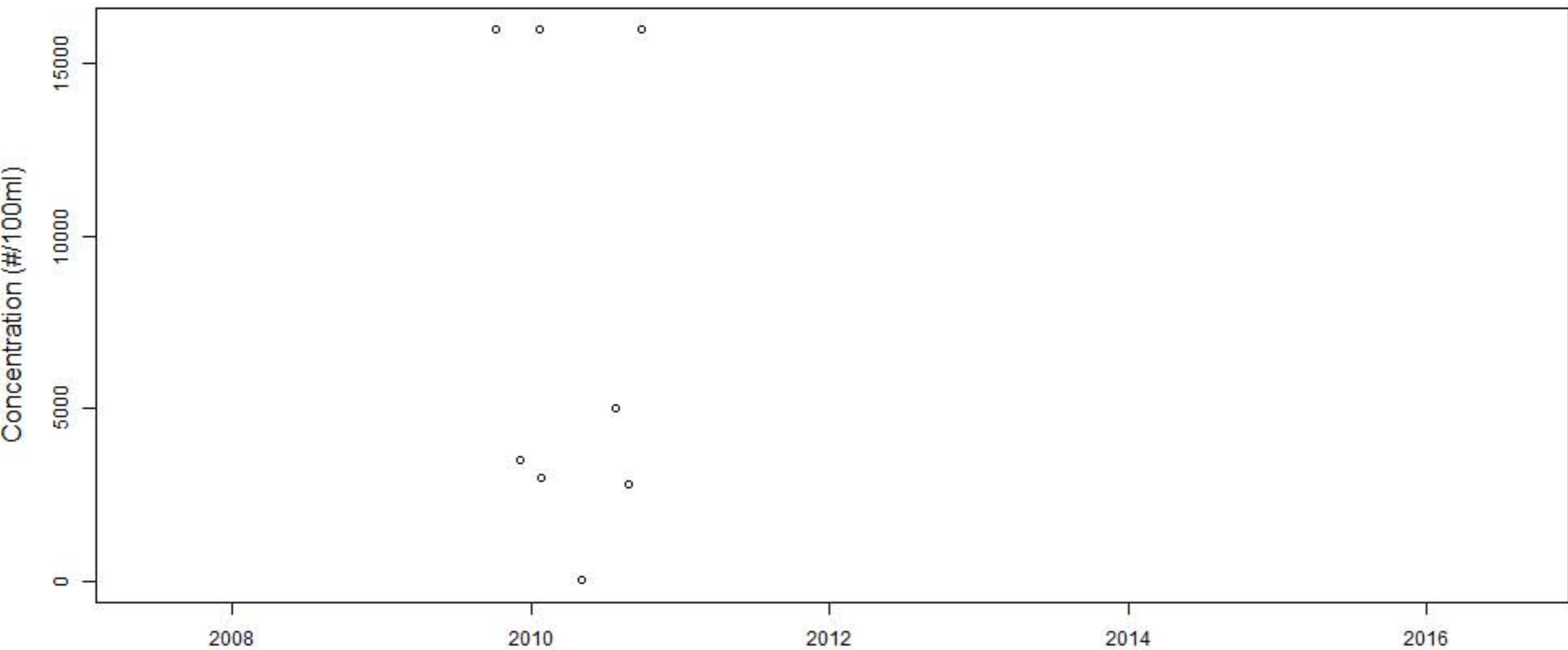
# Christine.Place.Comp



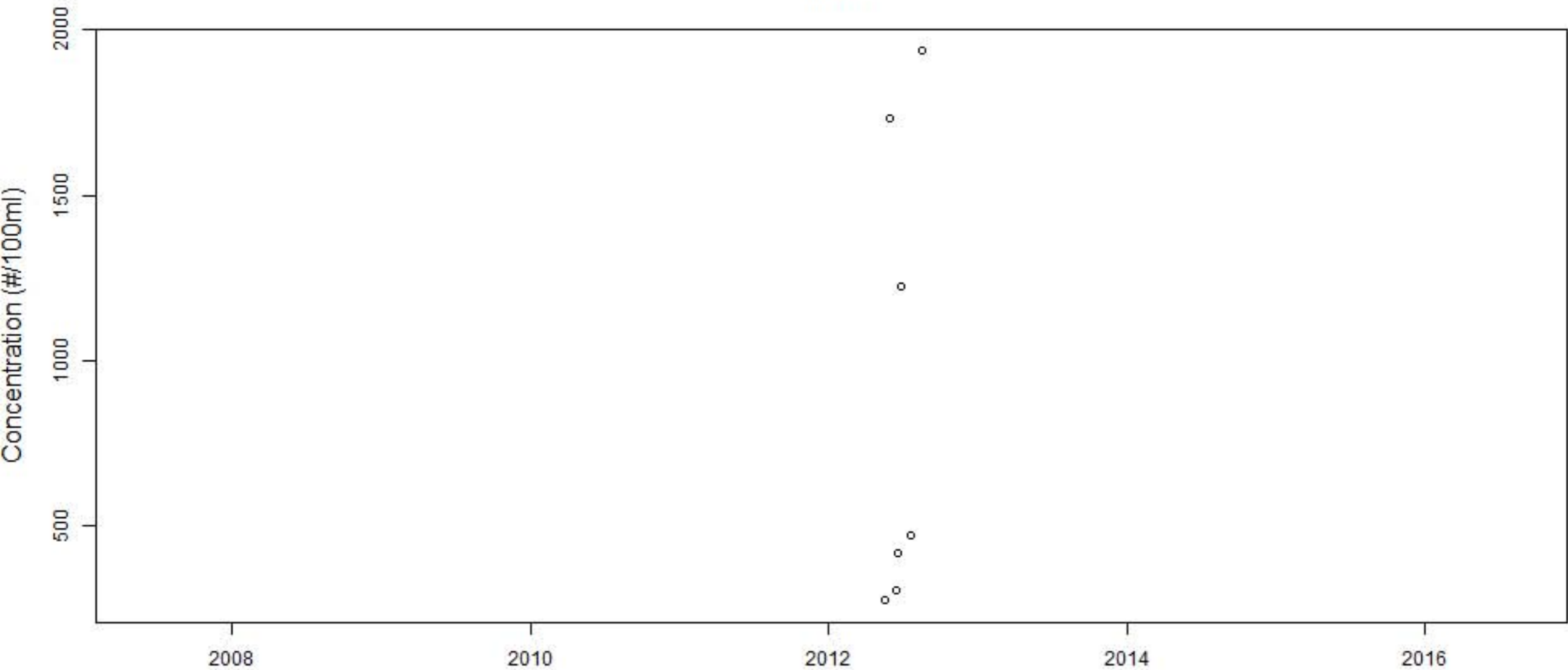
# Christine.Place.Grab



# Christine.Place.R

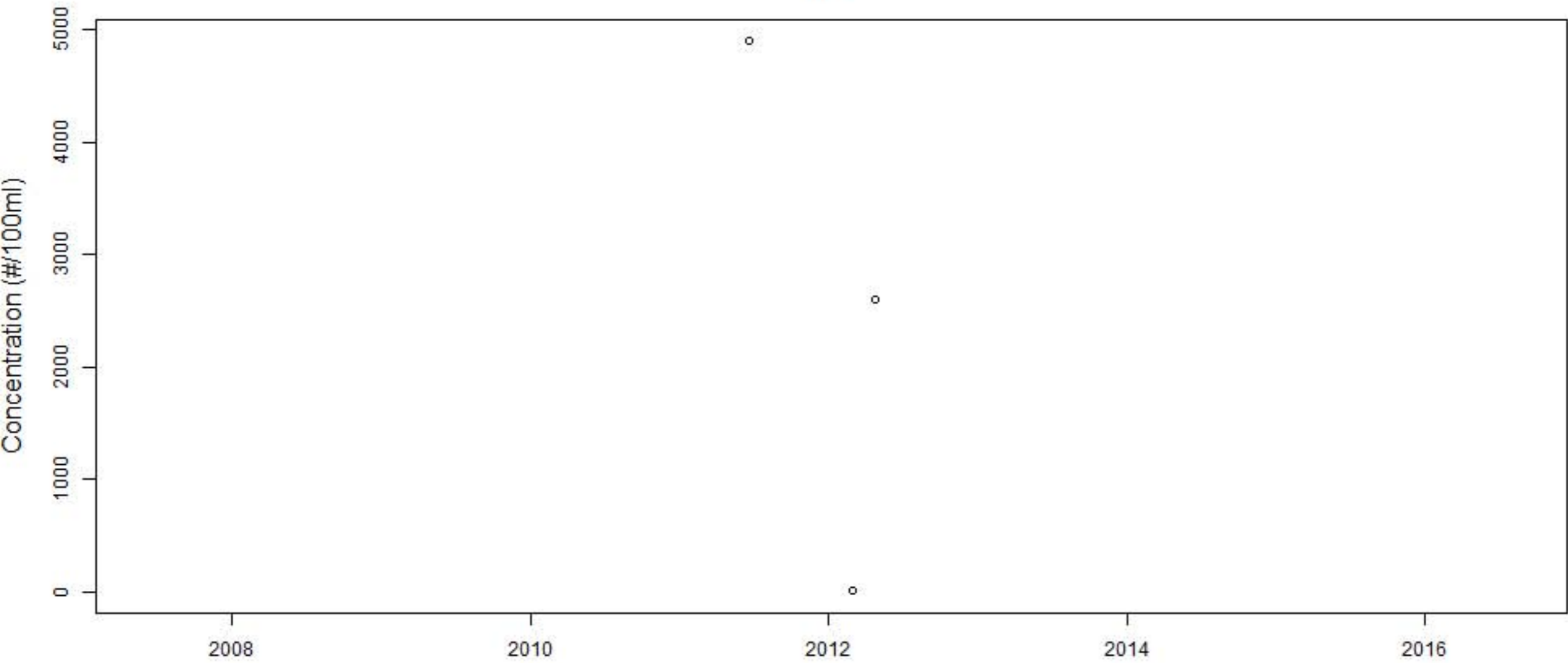


# CMRR

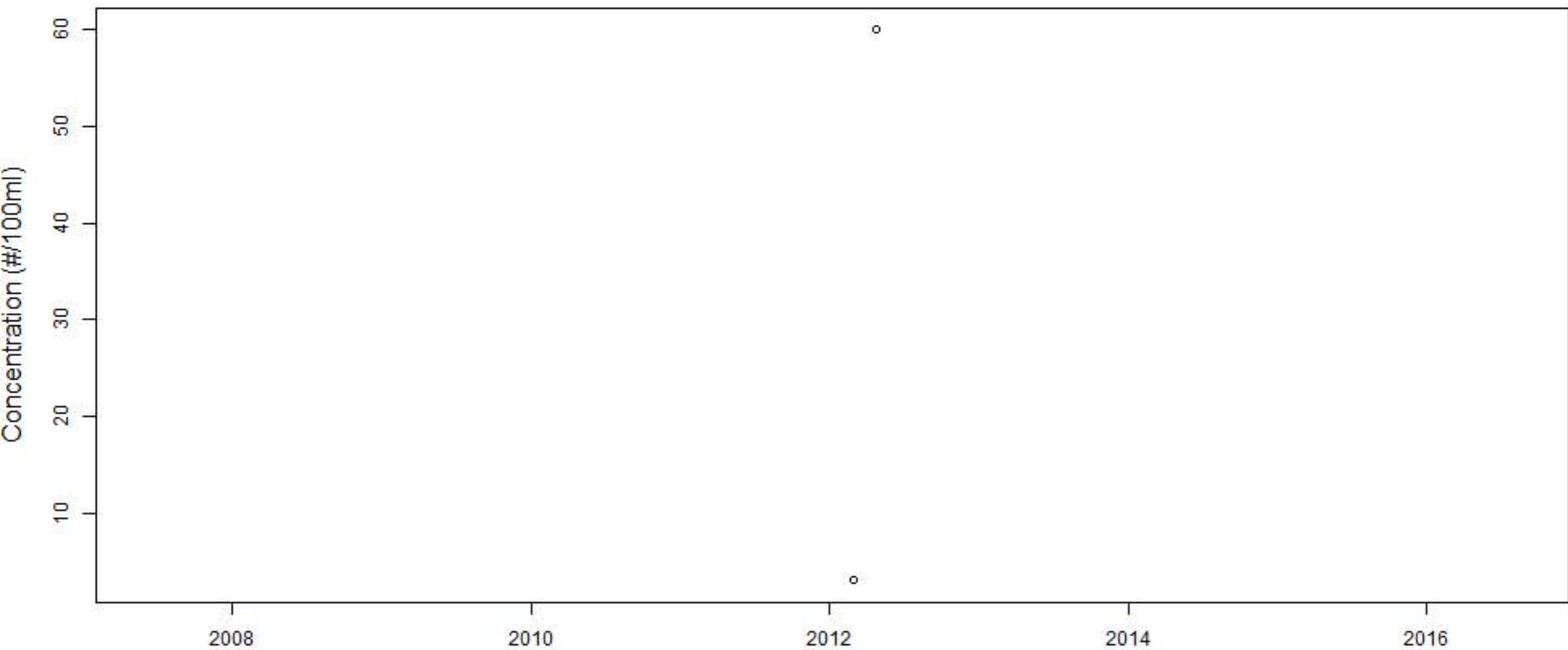




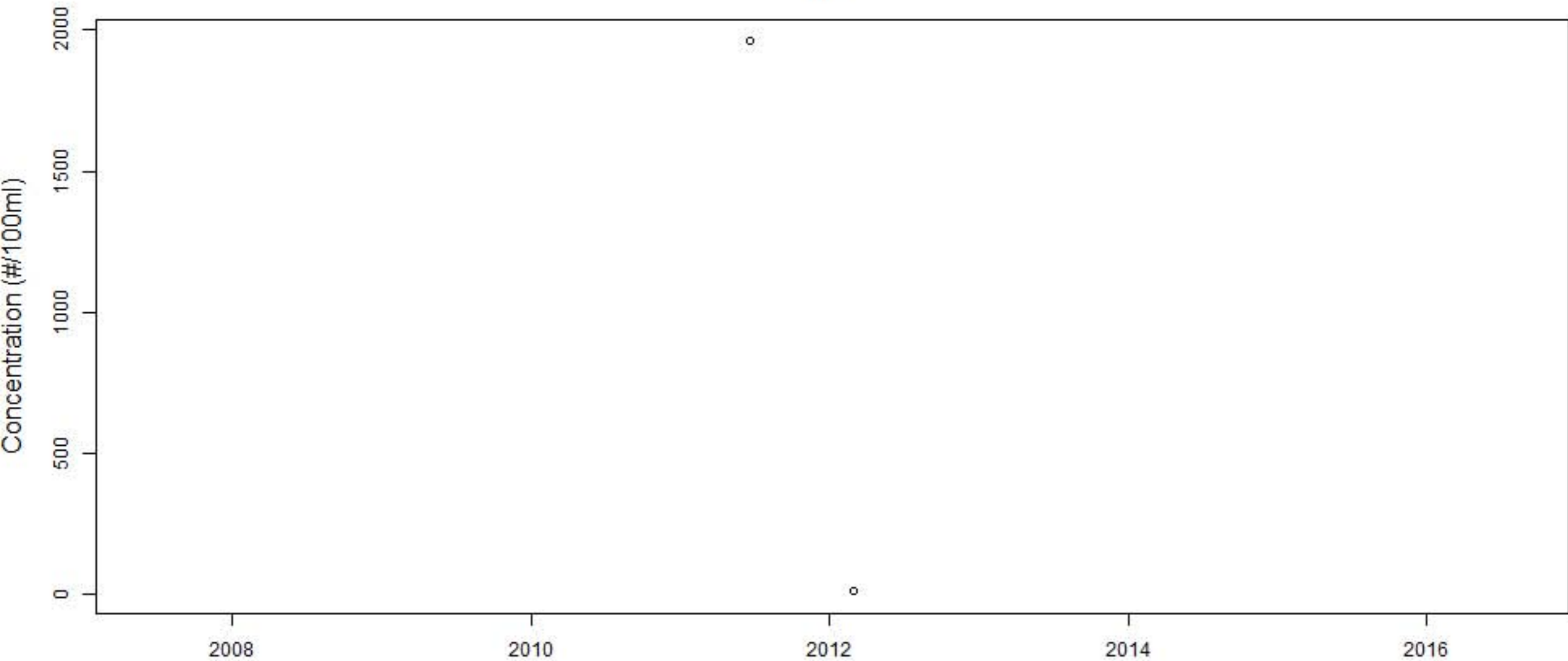
CP1



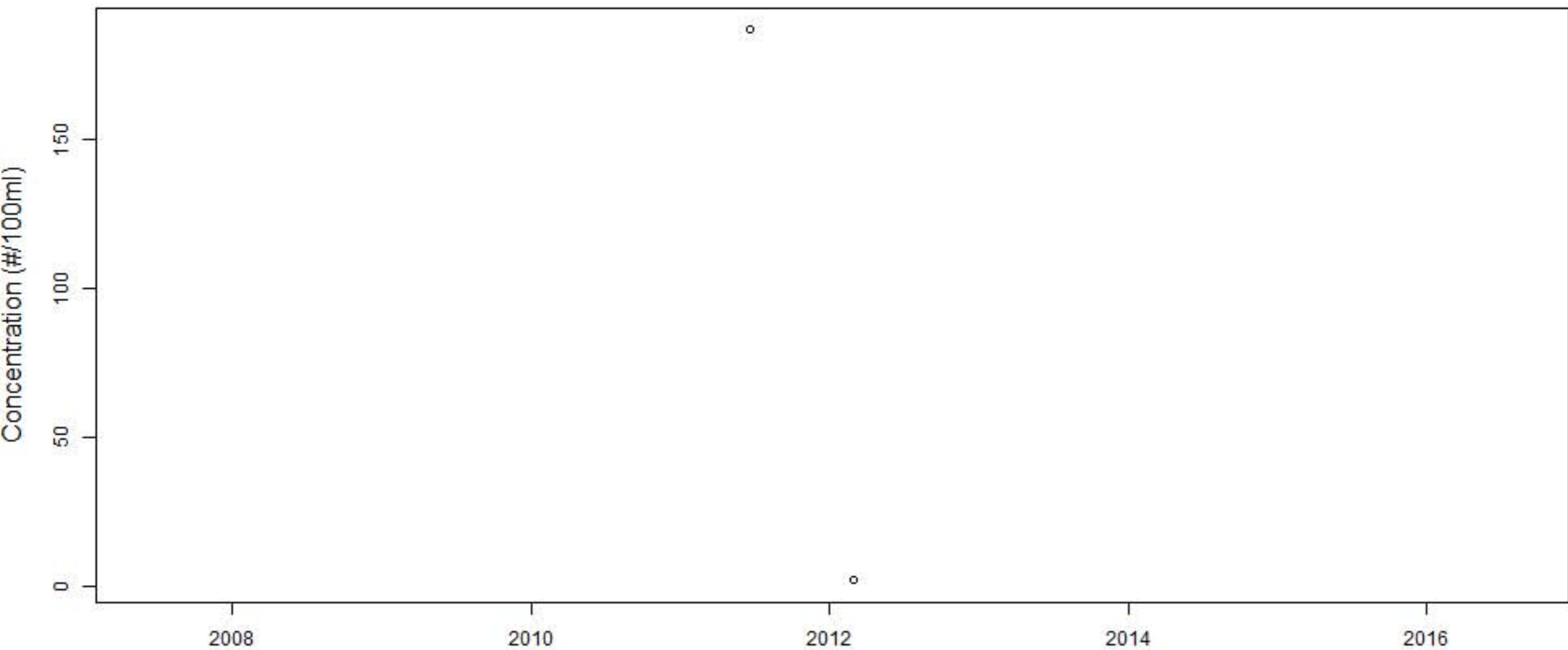
CP3



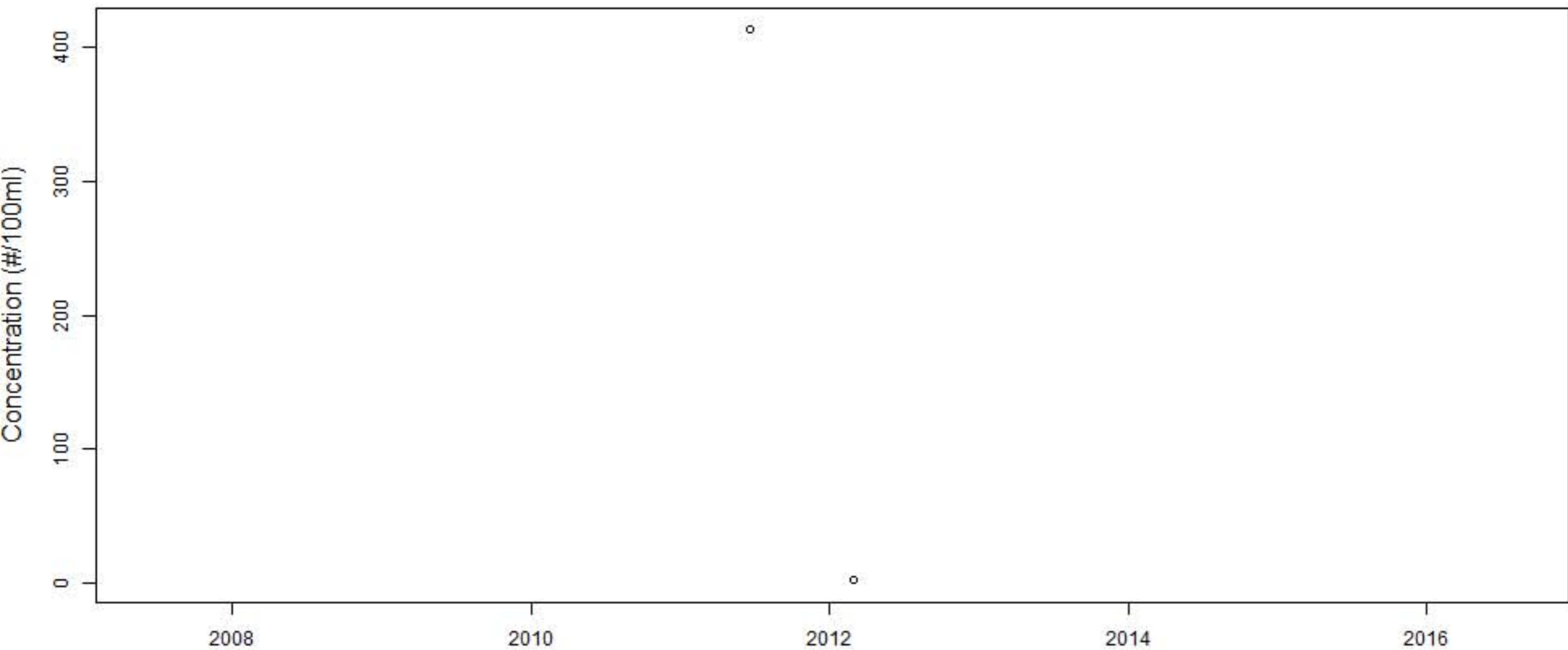
CP4



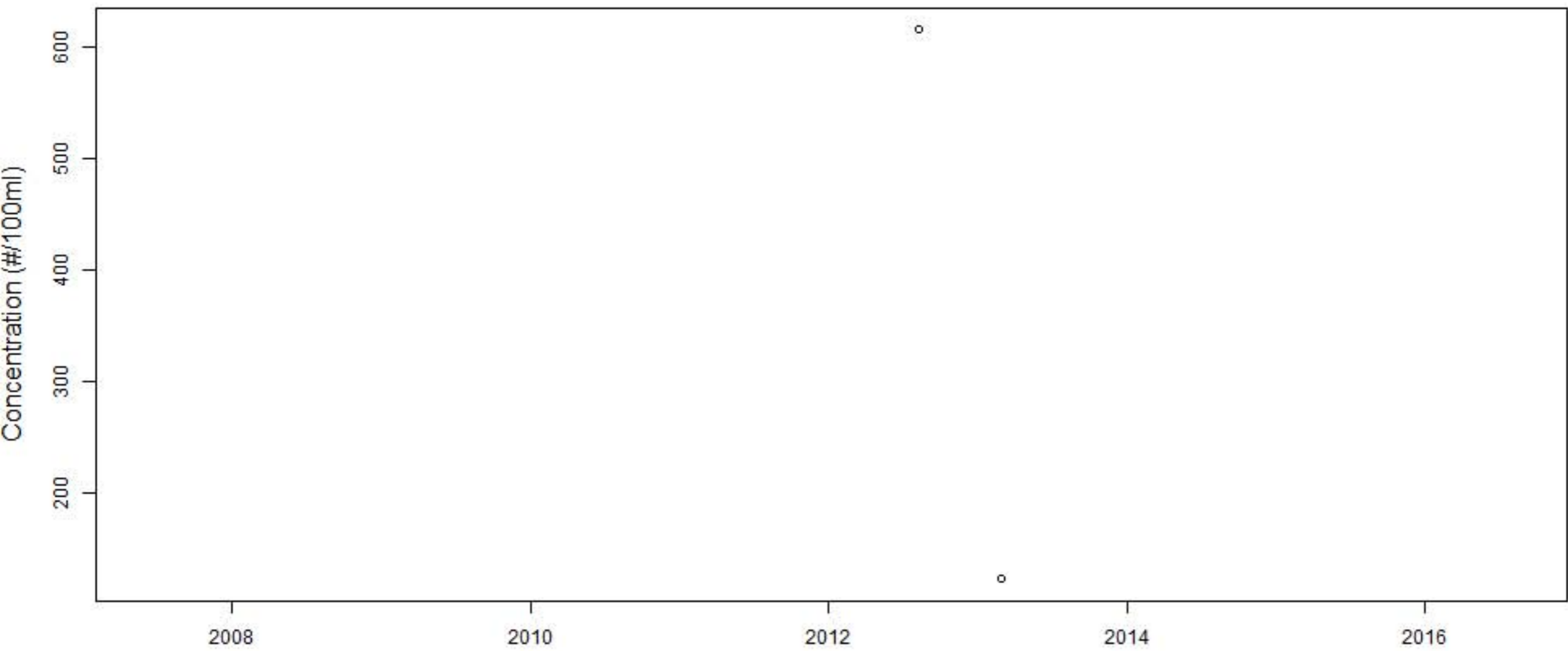
CP5



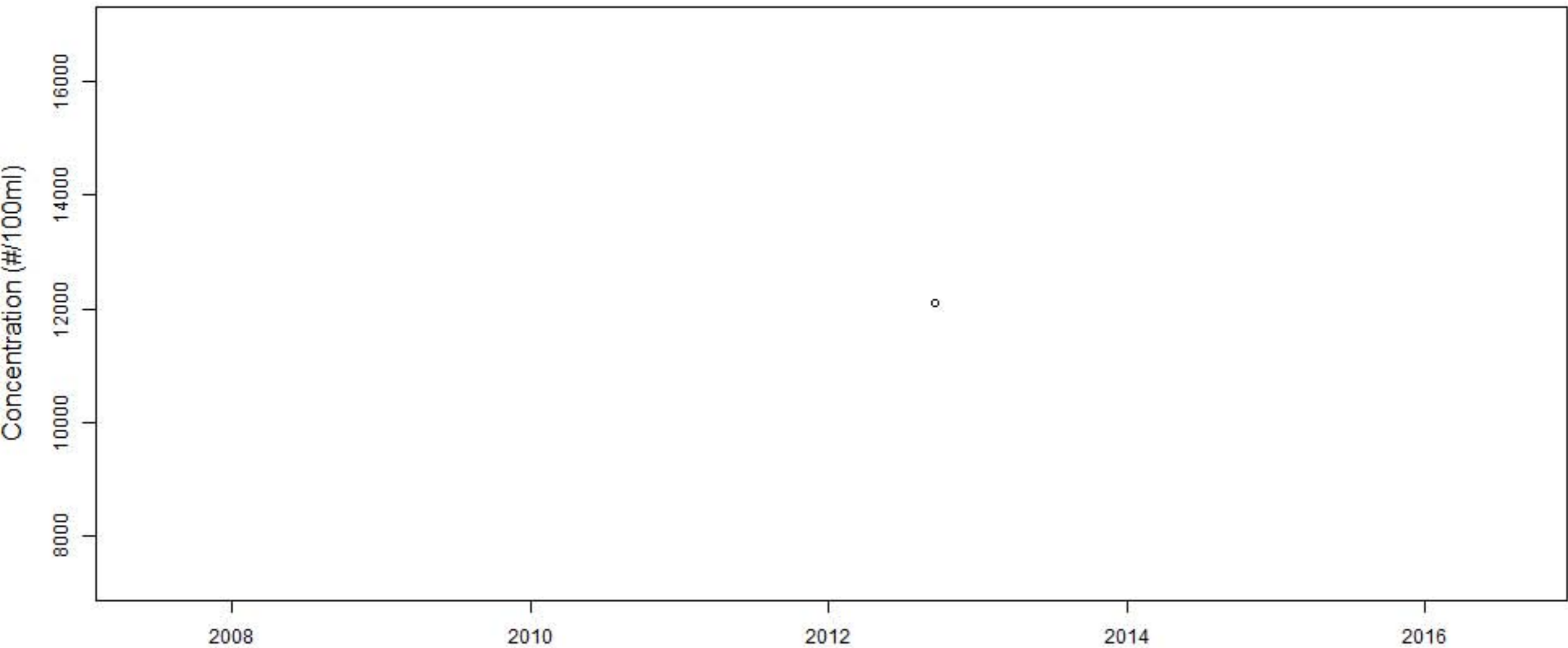
CP6



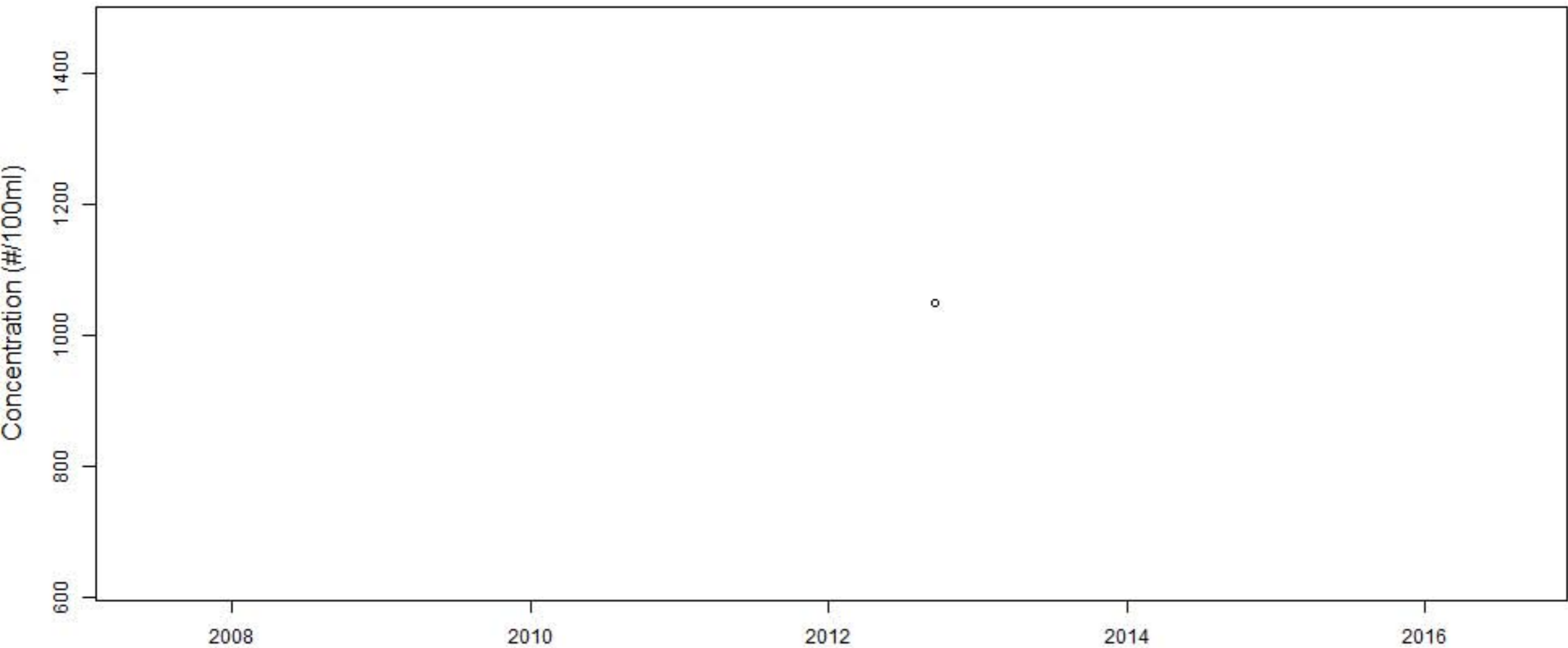
GD



HC1



HC2

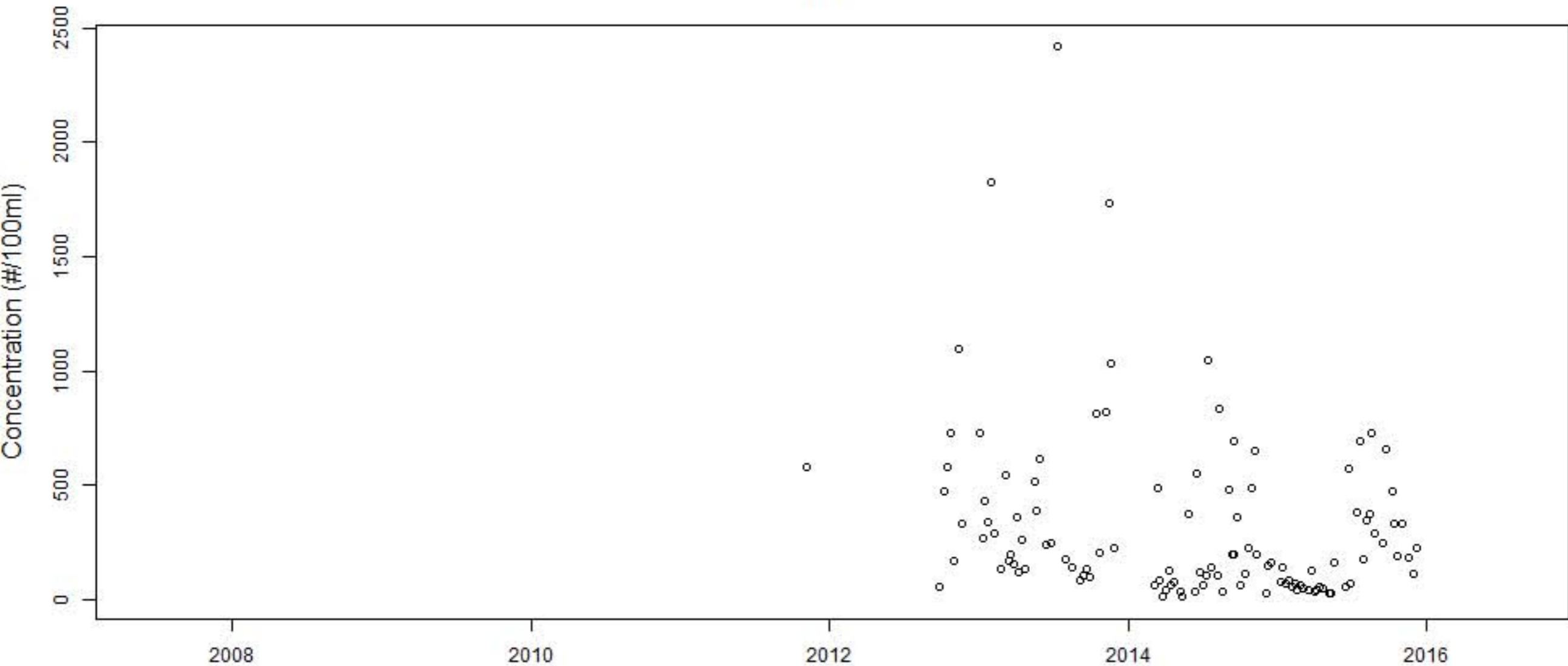




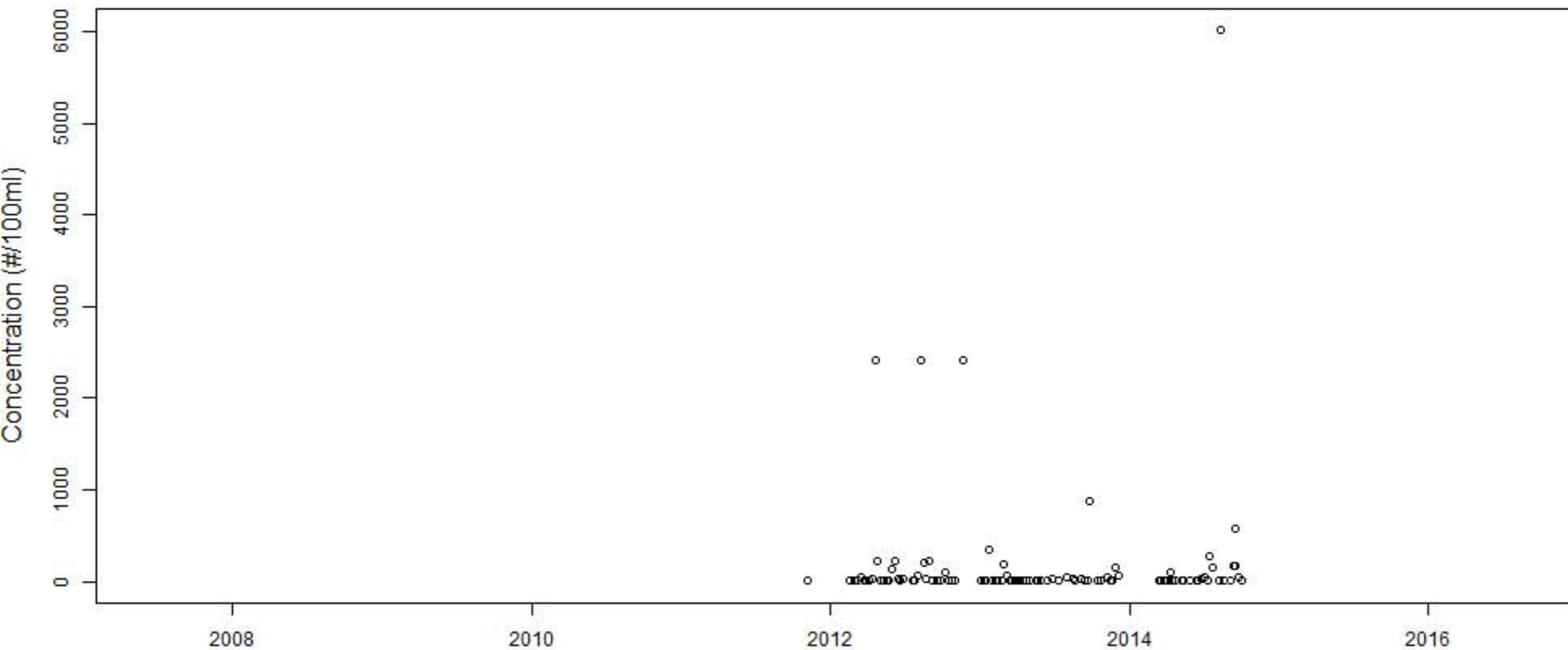




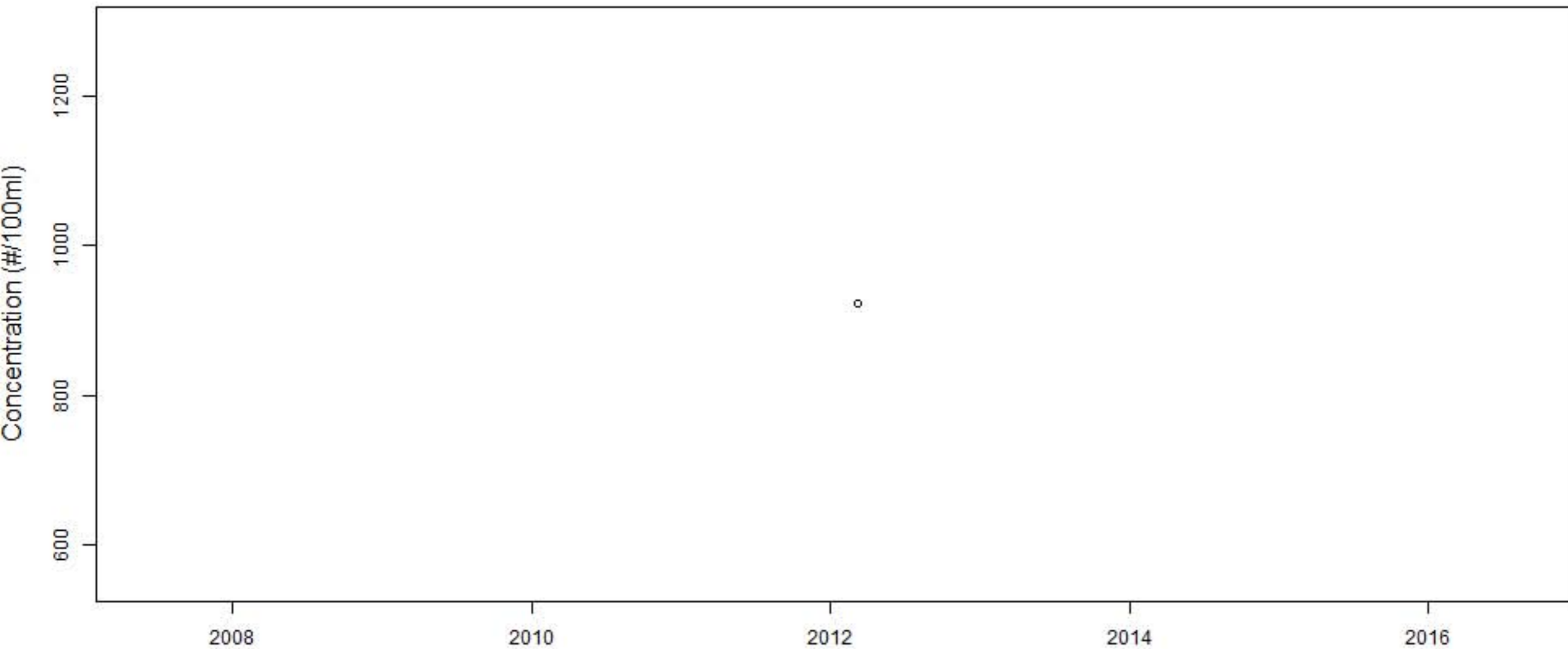
# HH10



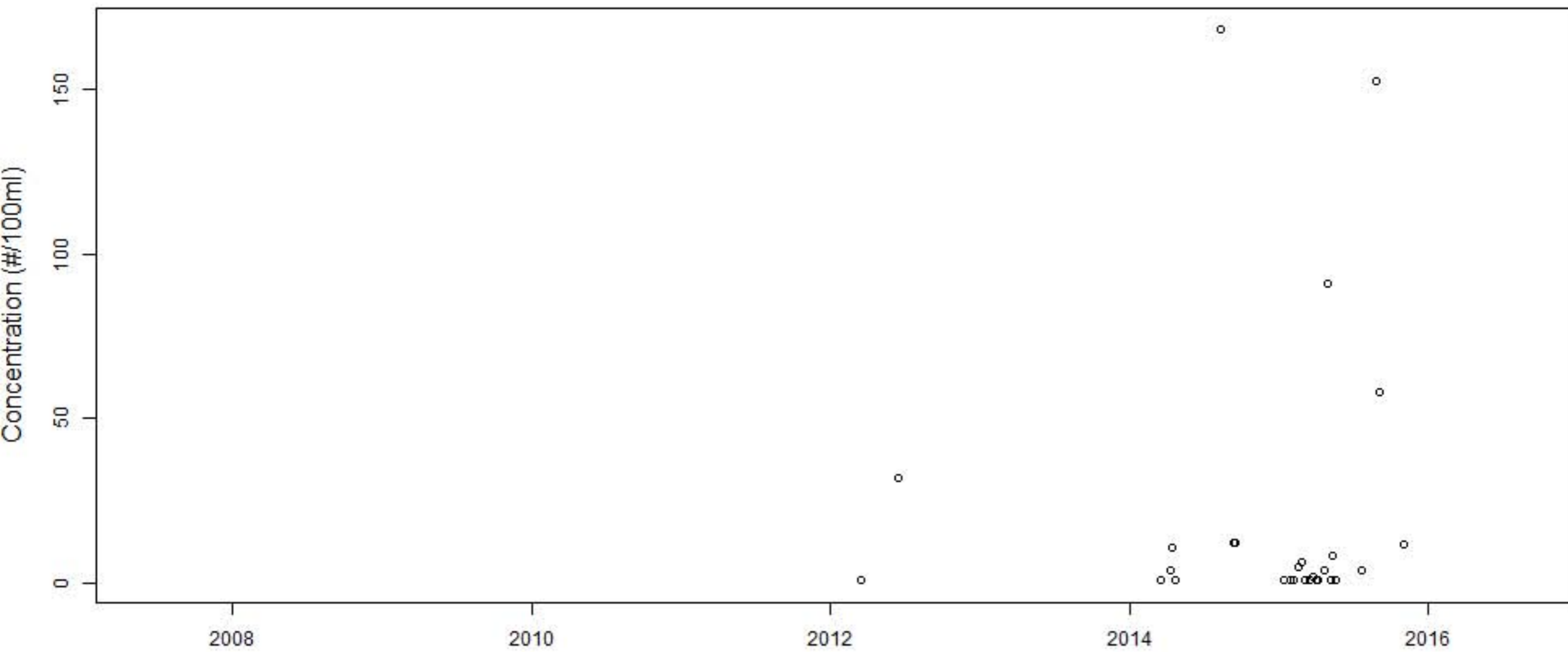
# HH1A



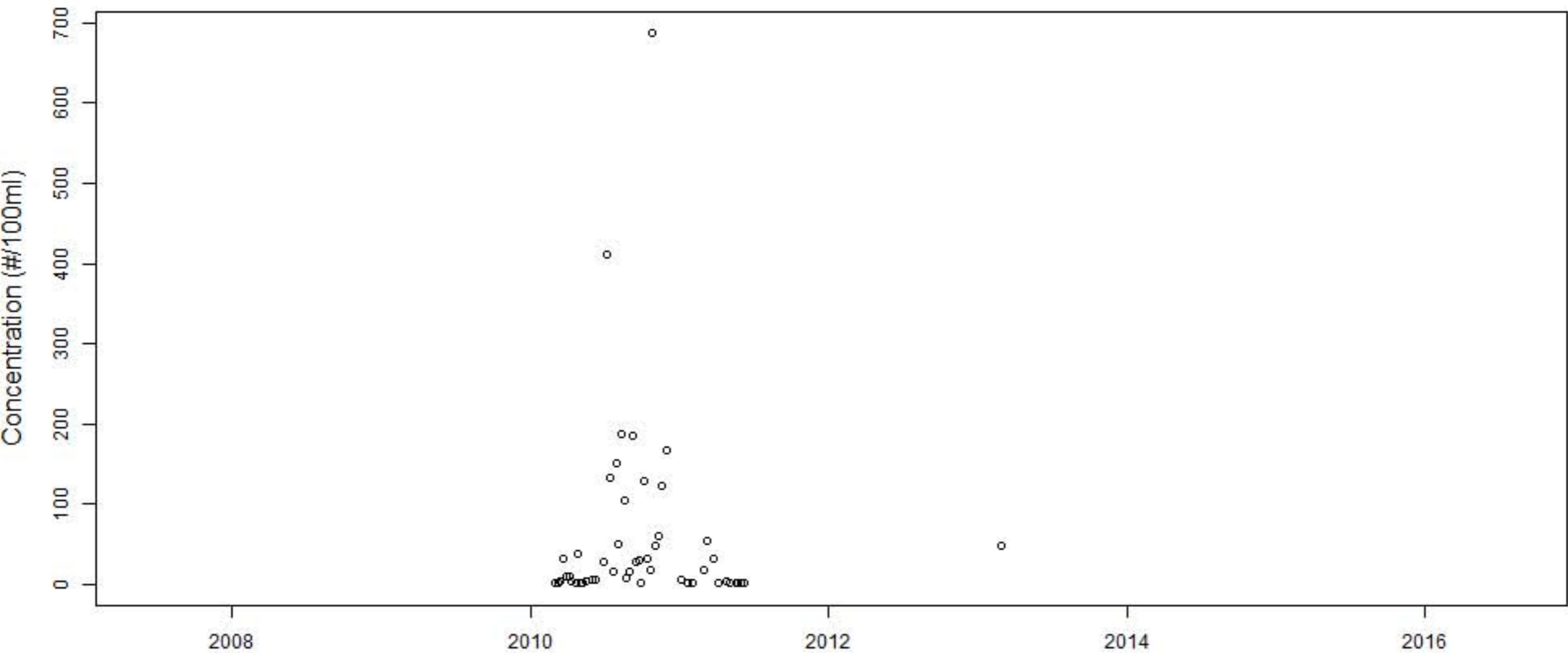
# HH1B



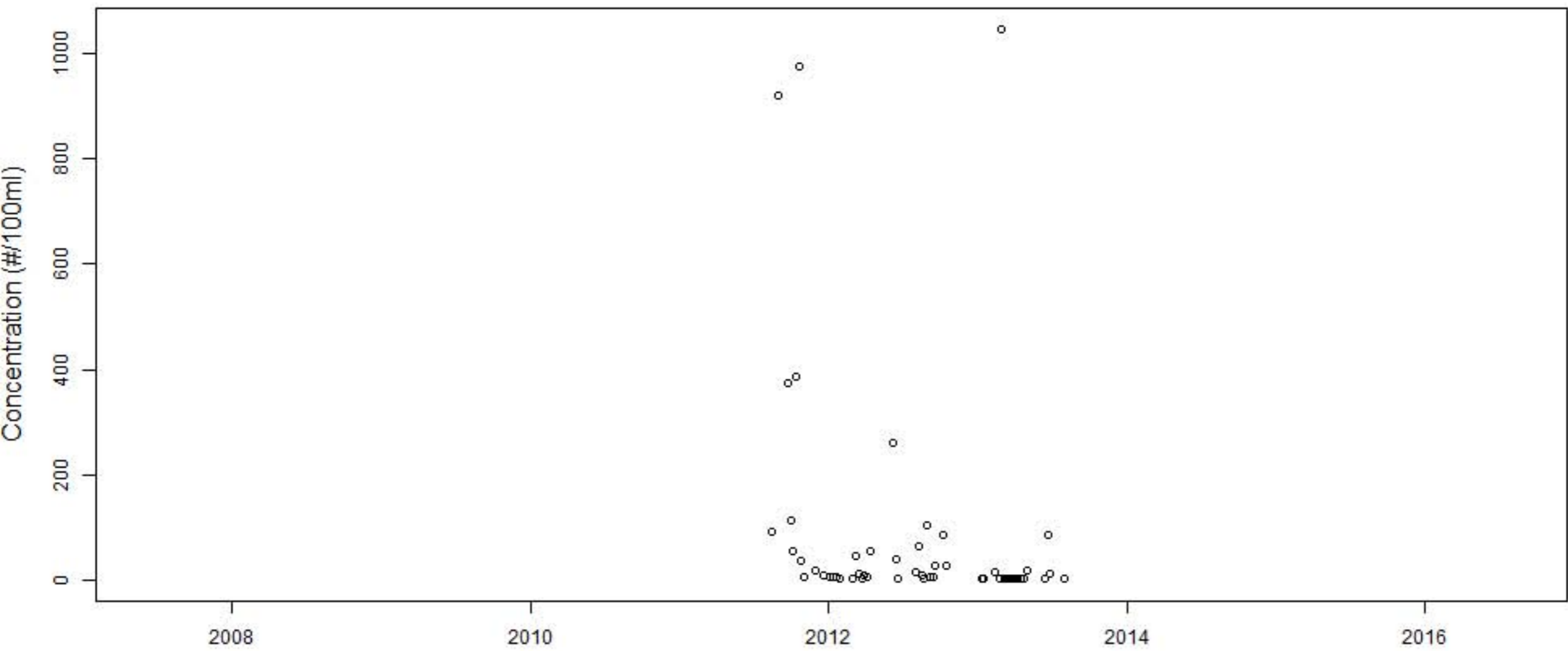
## HH2.a.



HH2

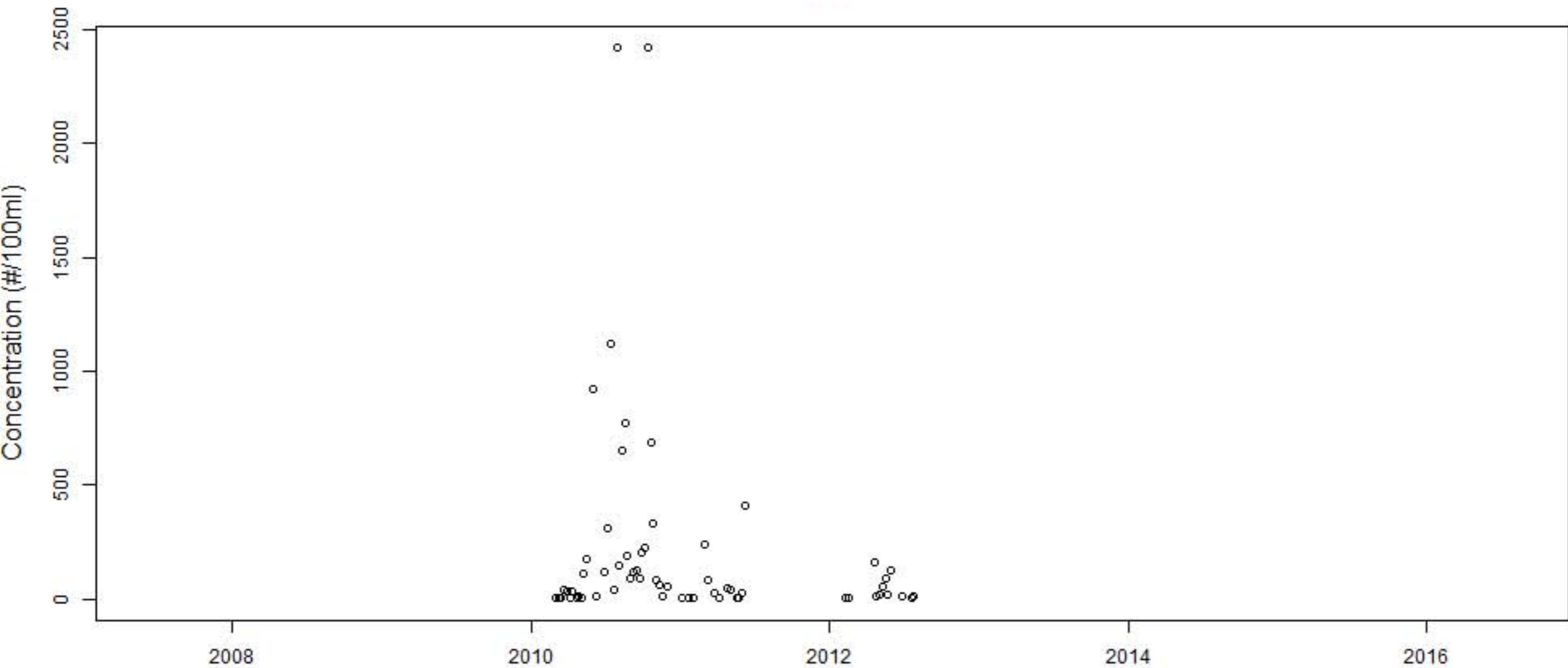


### HH3.a.

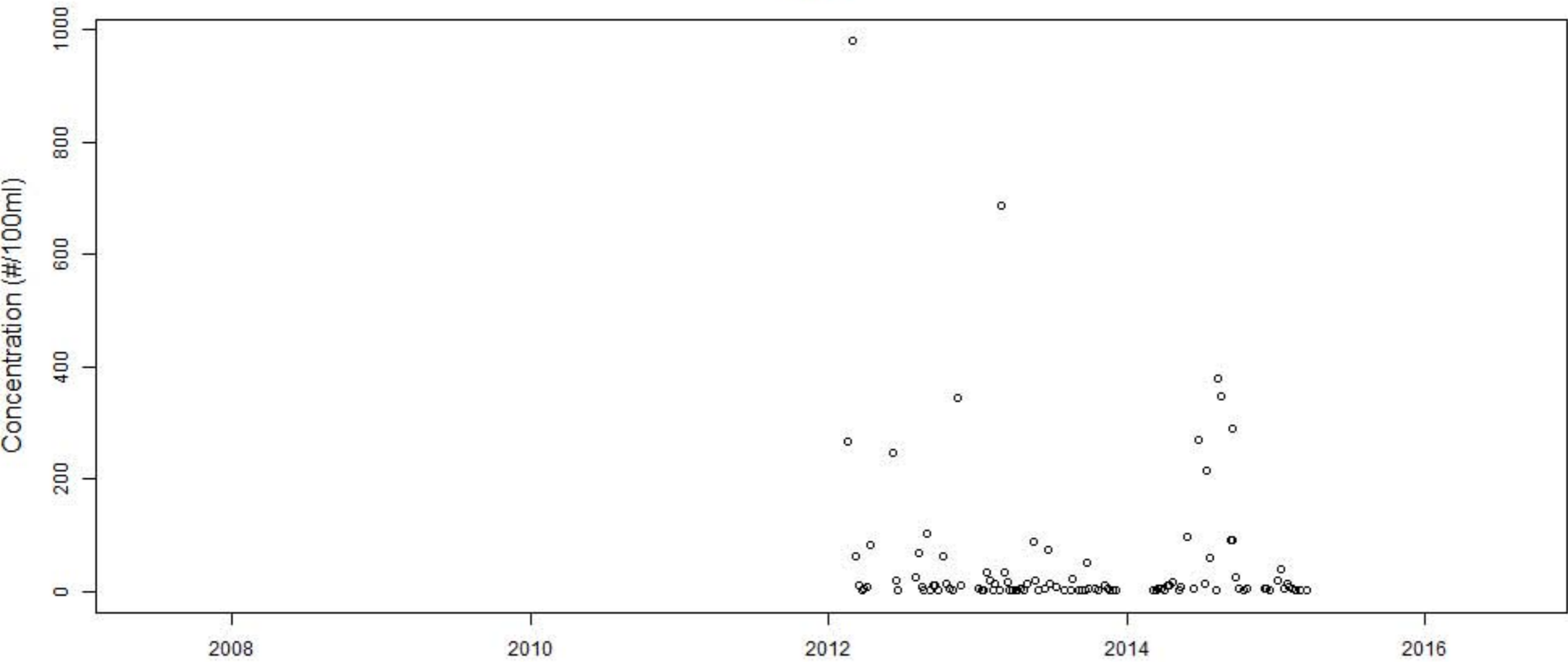




### HH3



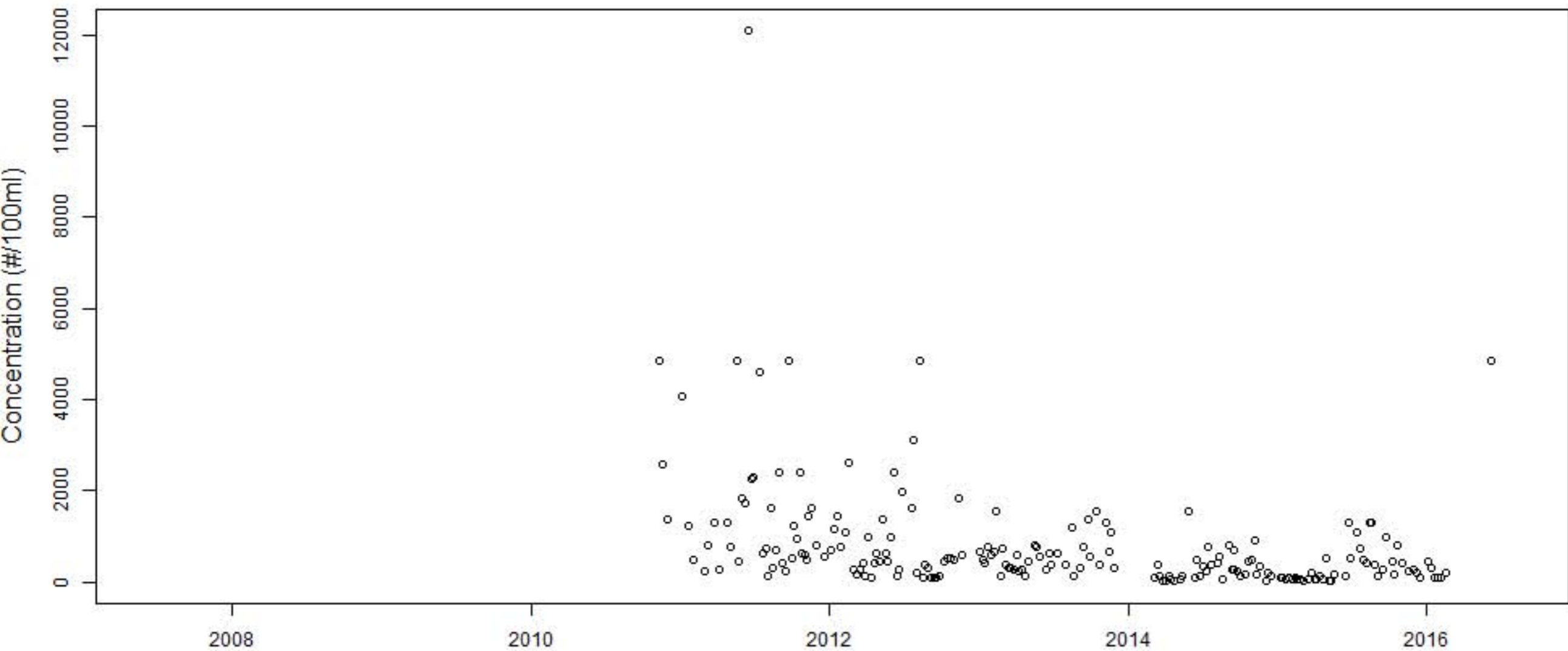
# HH3B



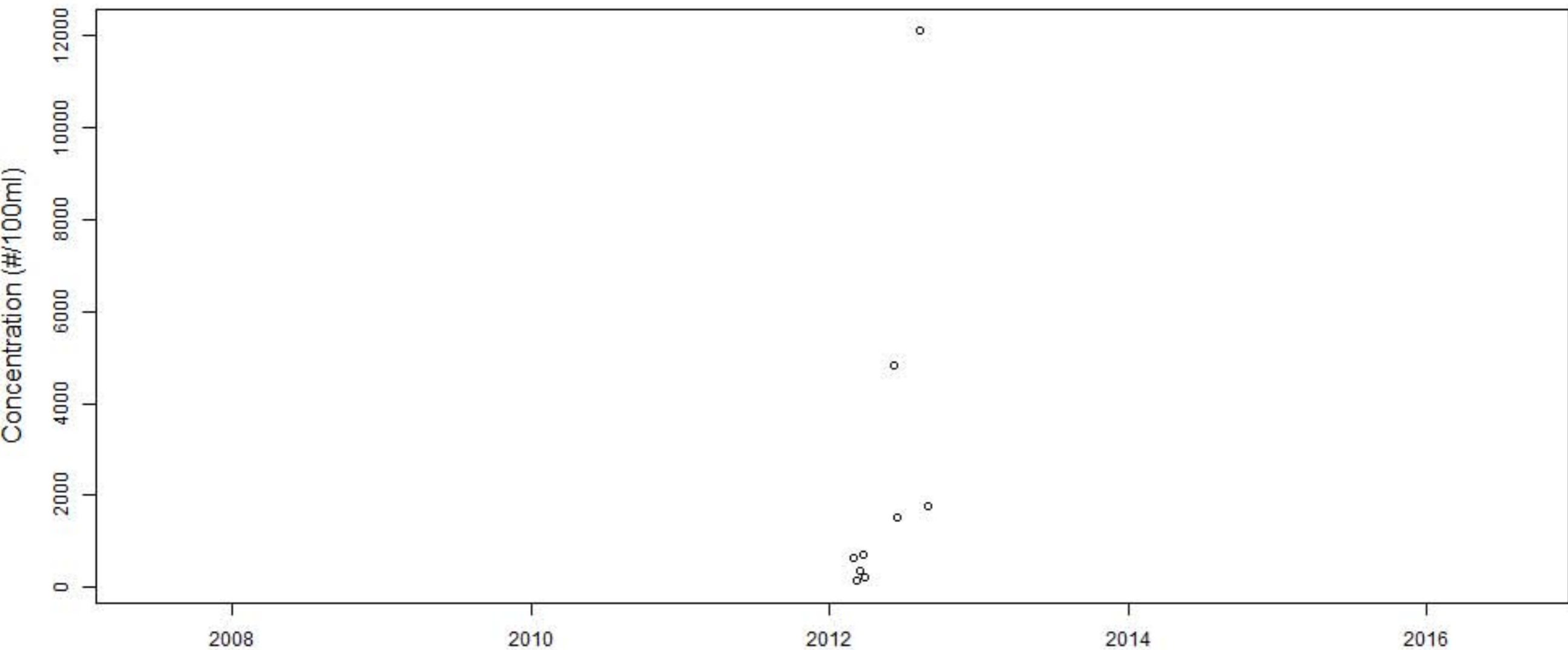




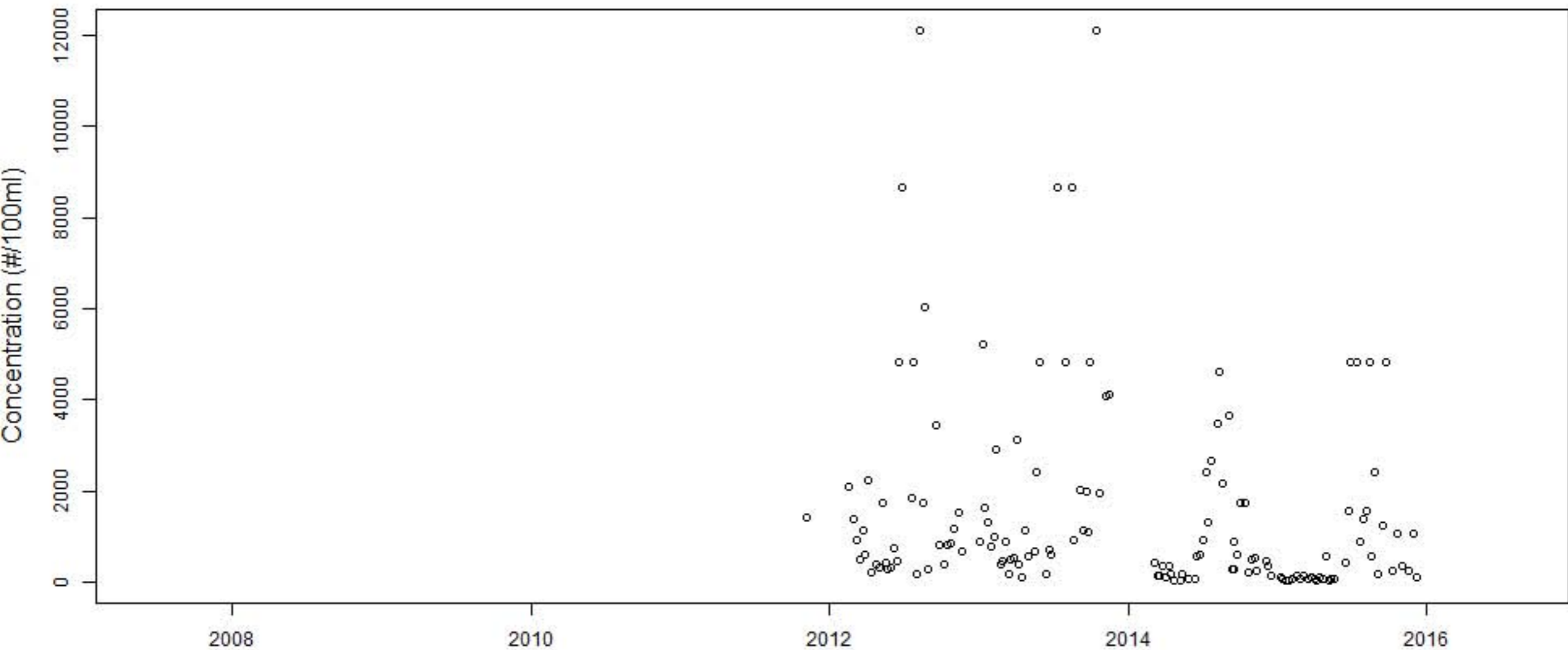
# HH6



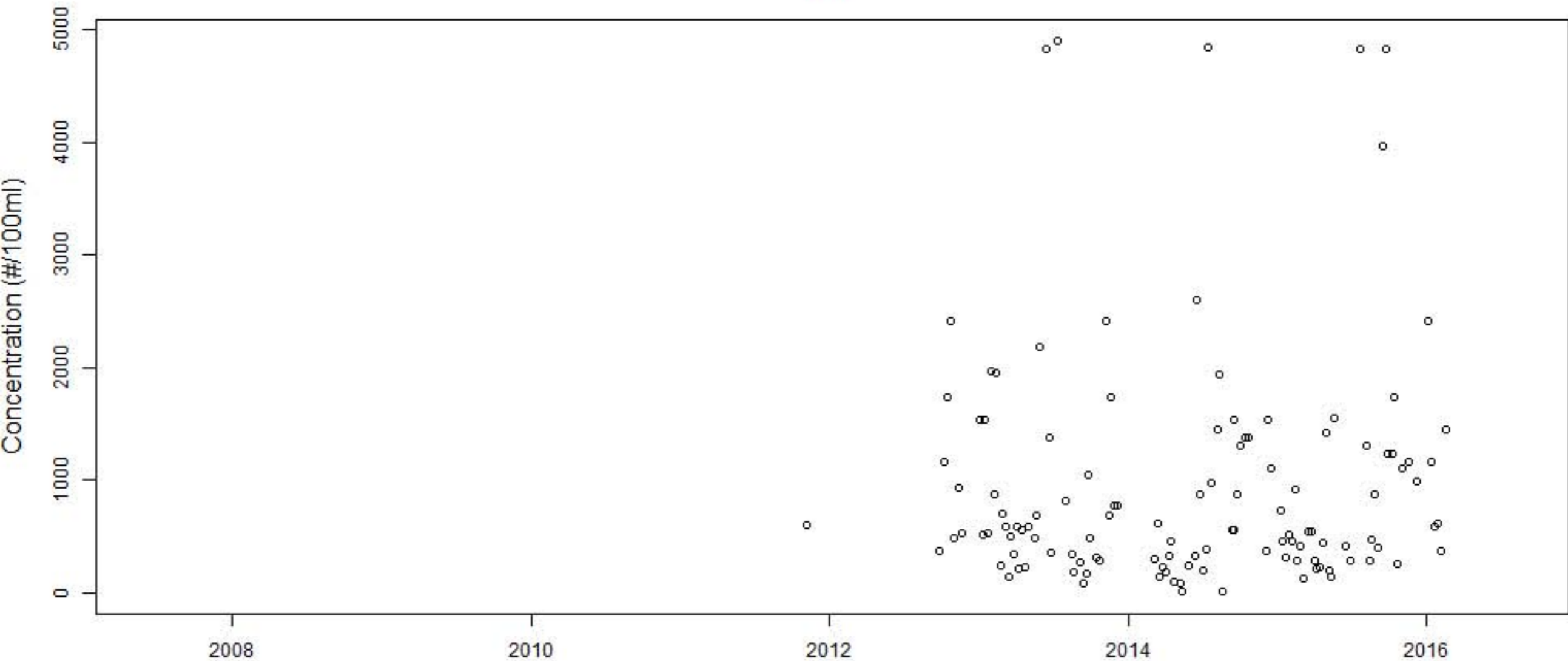
HH7



# HH8

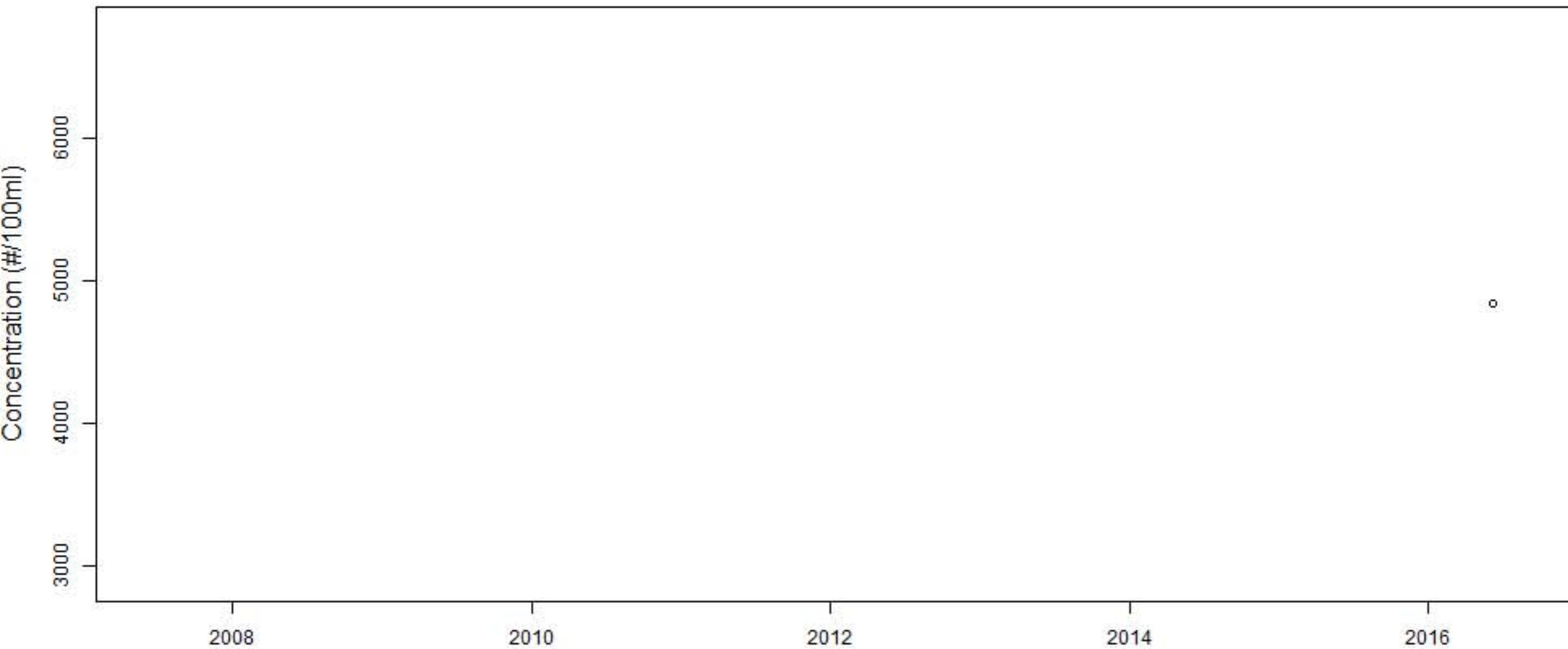


# HH9

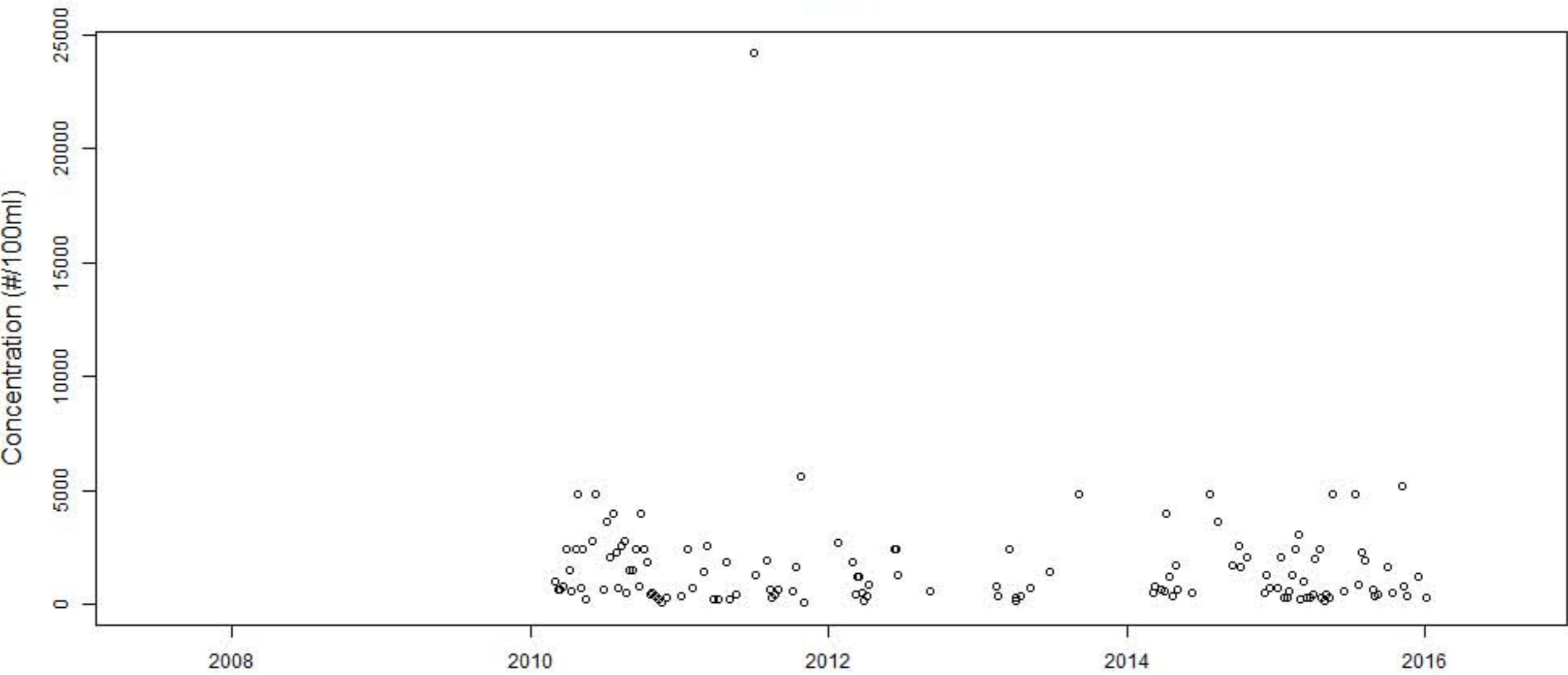




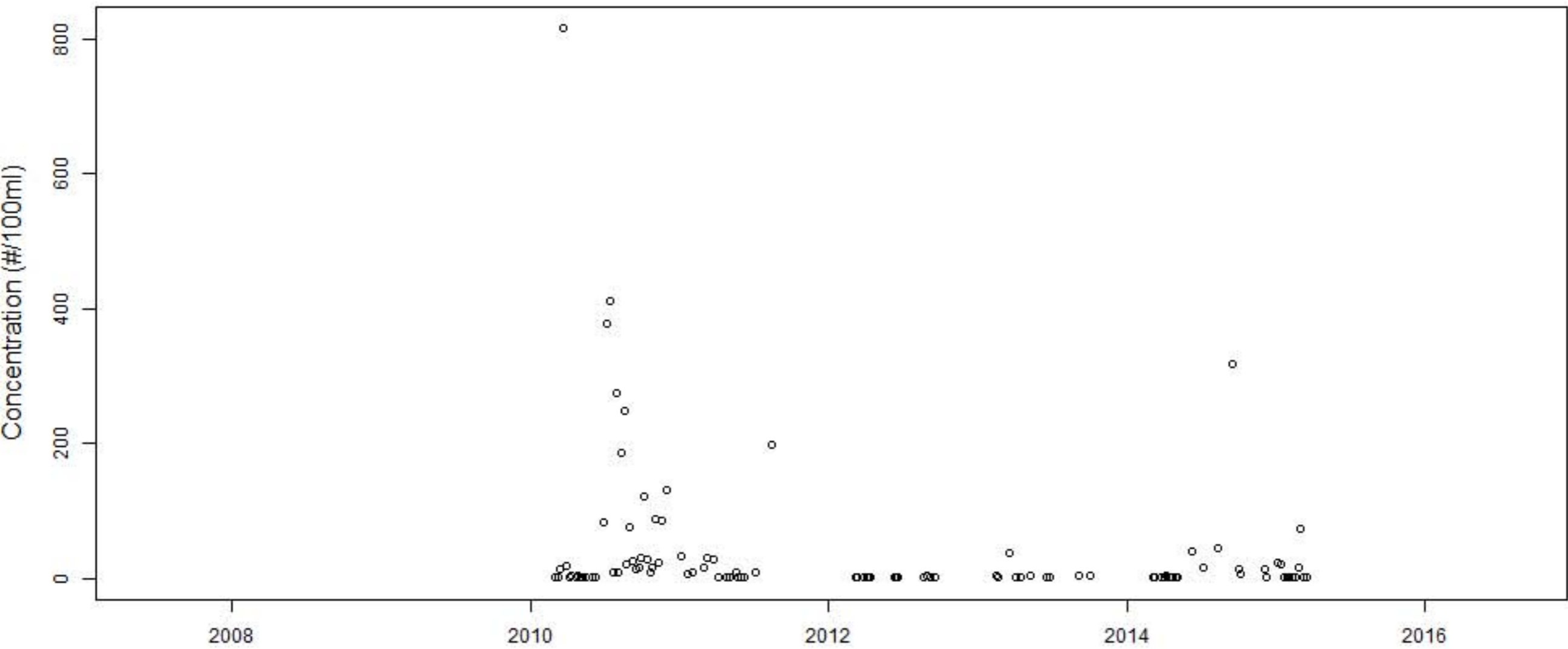
# HH9B



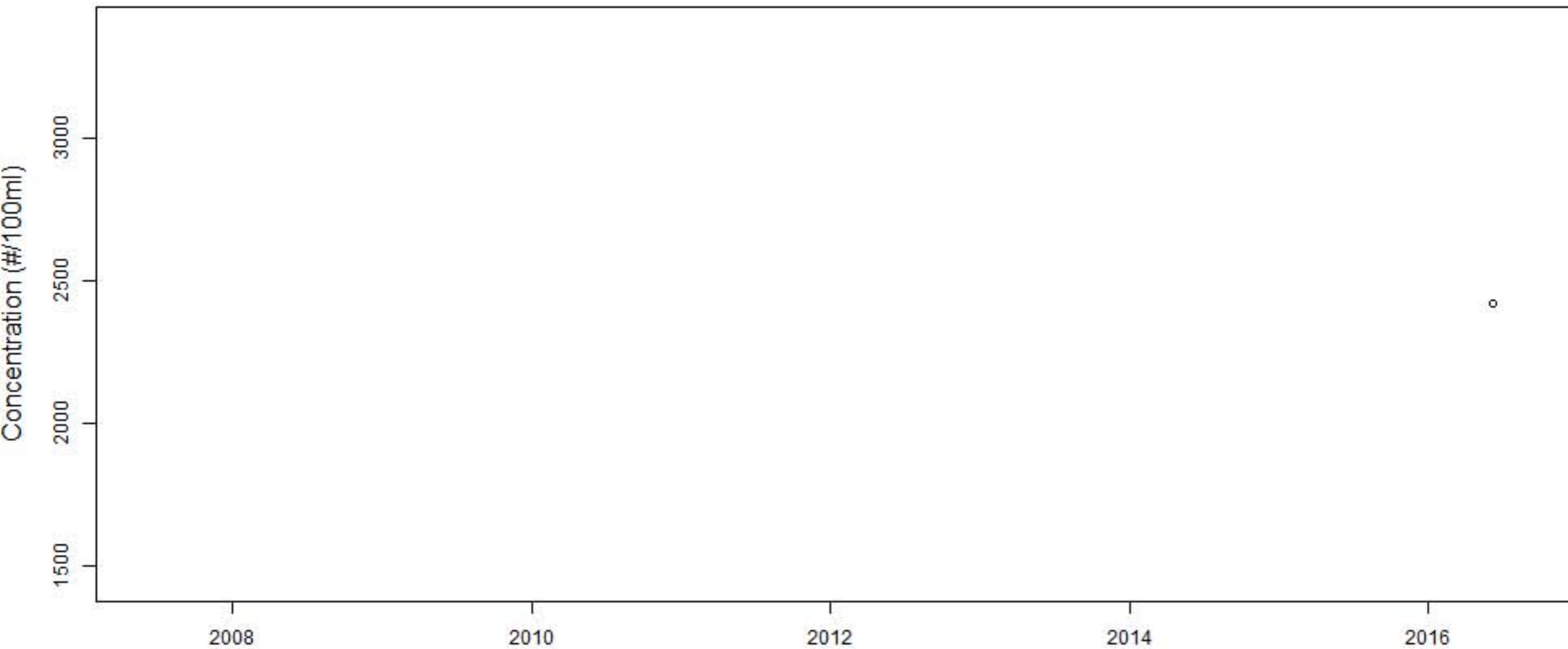
HL11



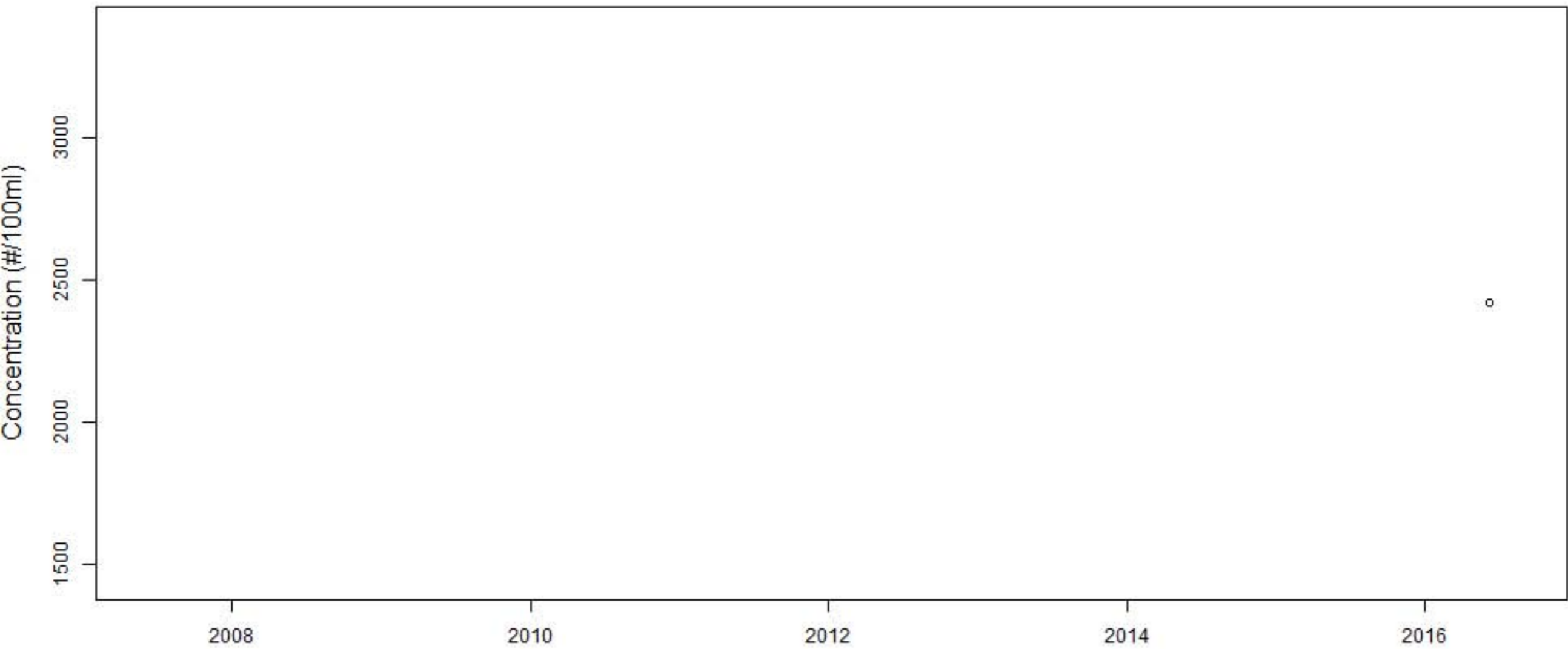
# HL12



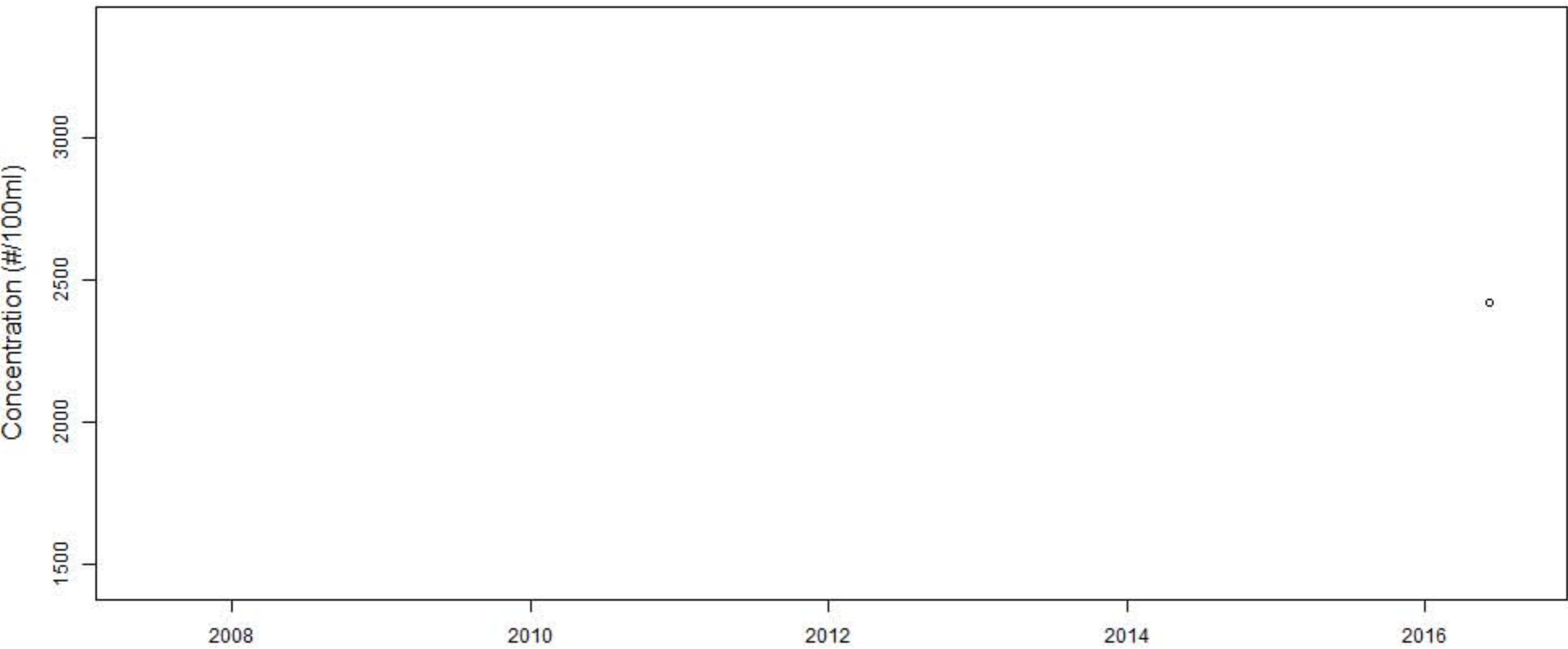
MR1



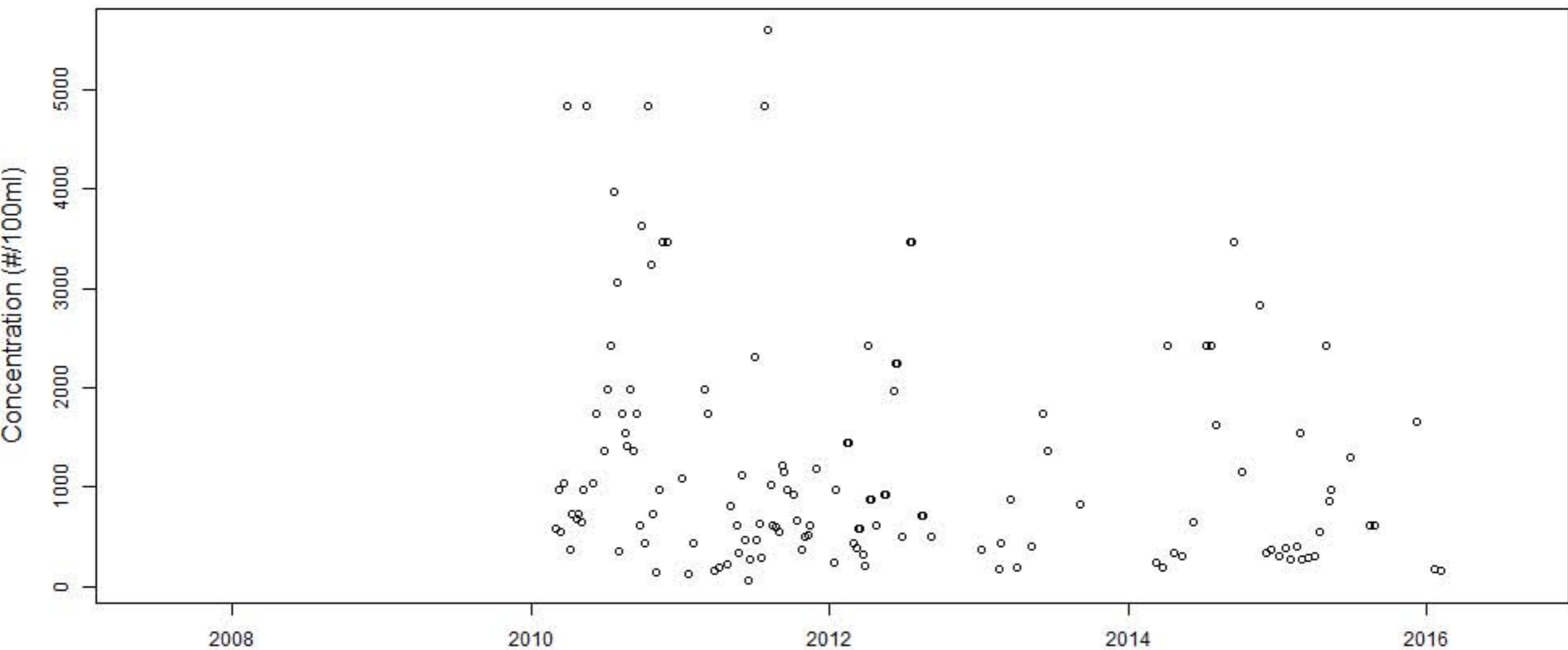
MR2



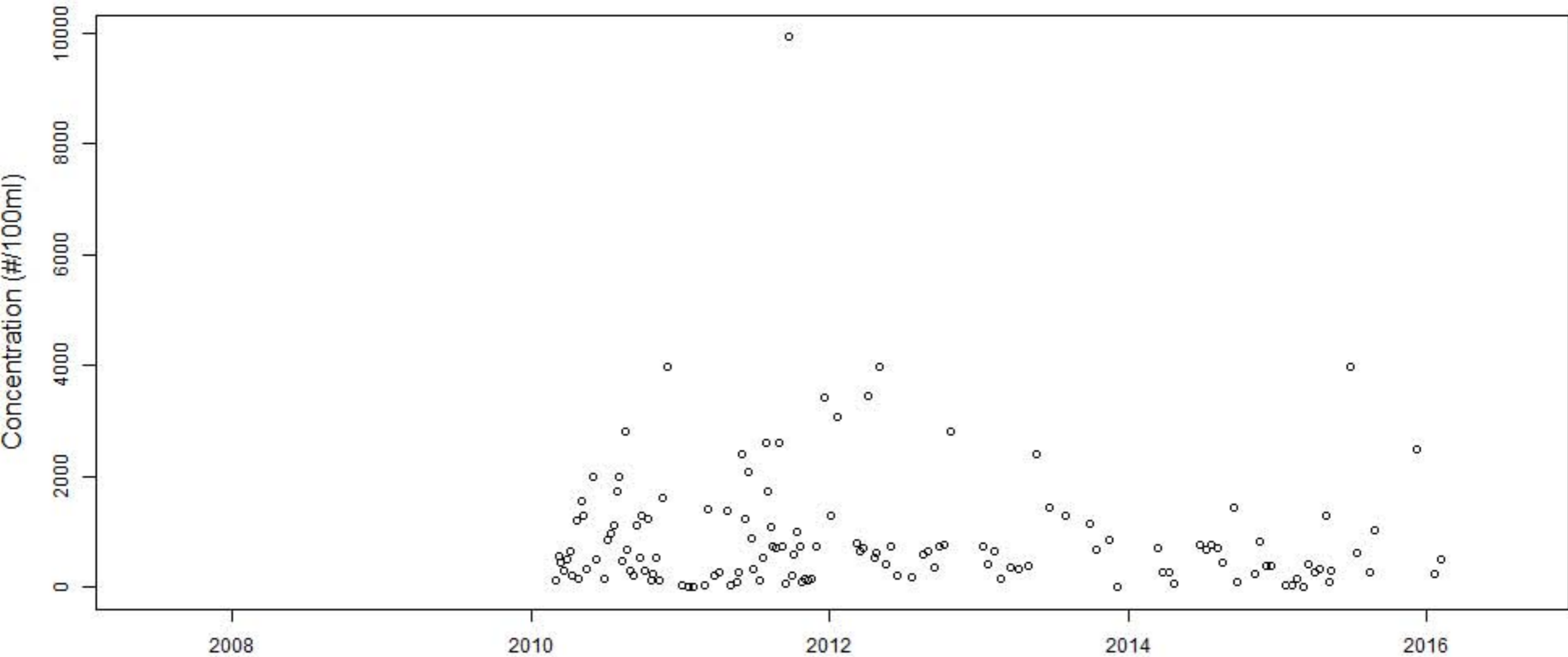
# MR3



# MRR10



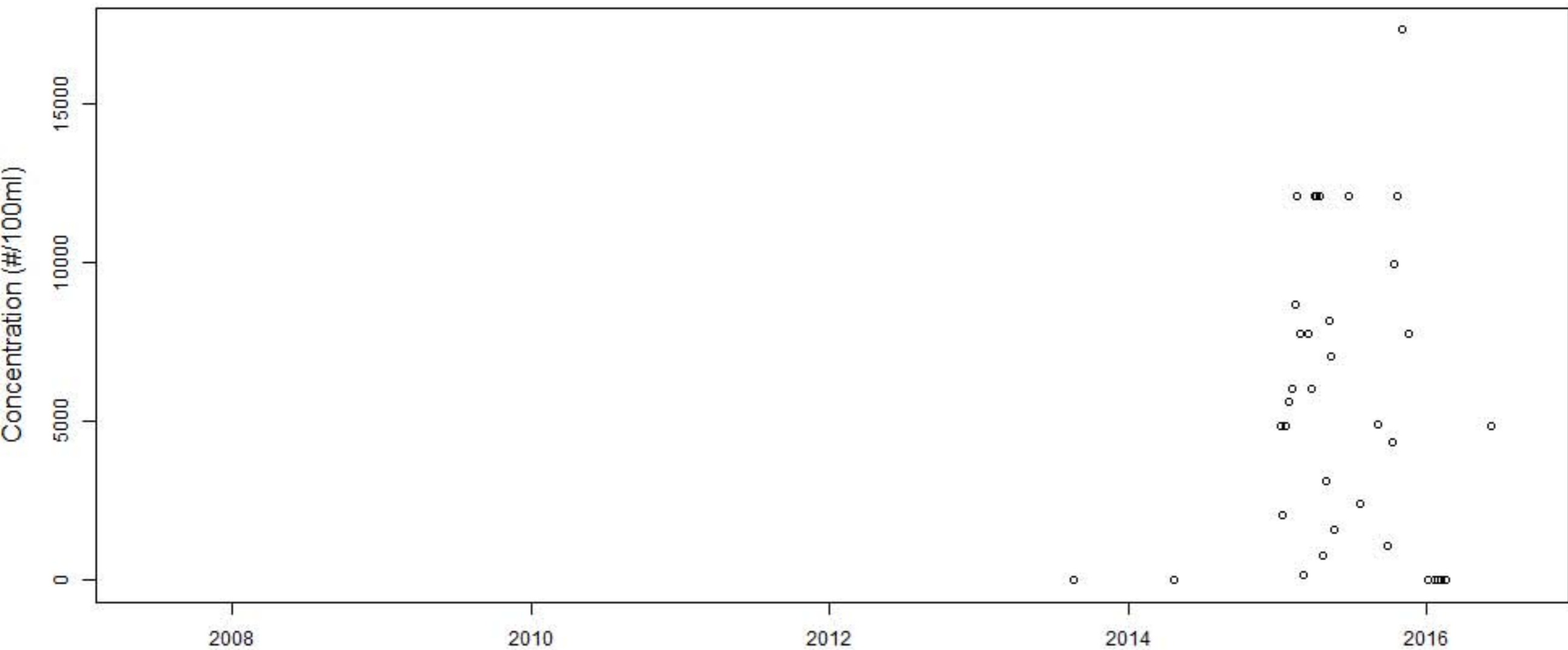
# MRR6



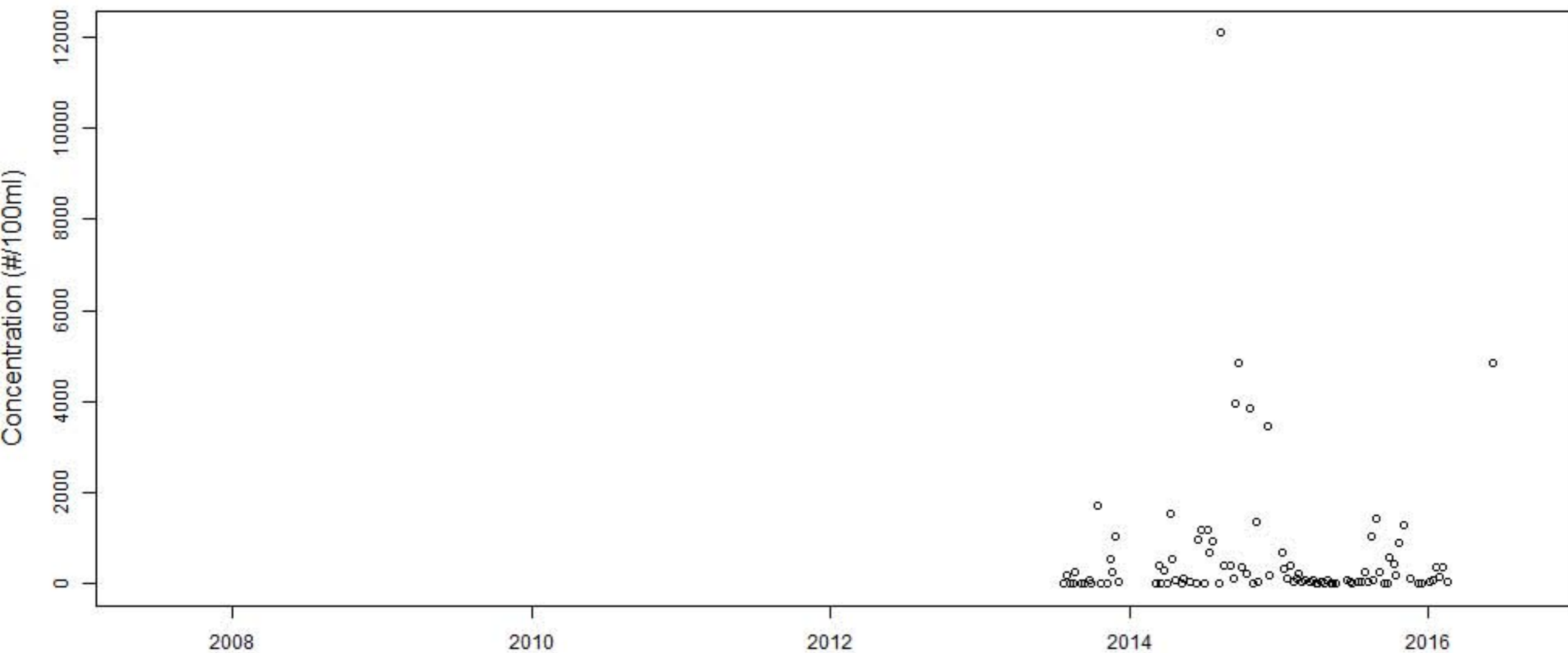




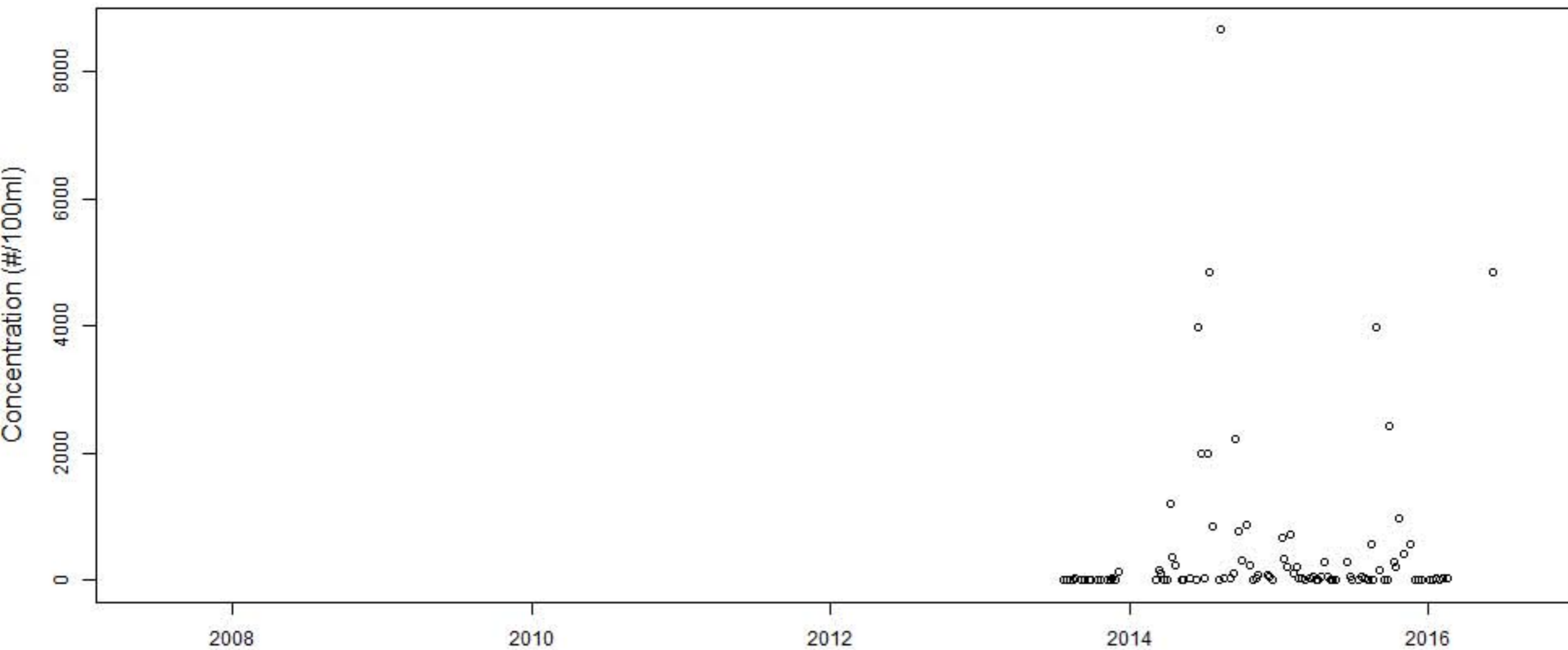
NRP.IN.S



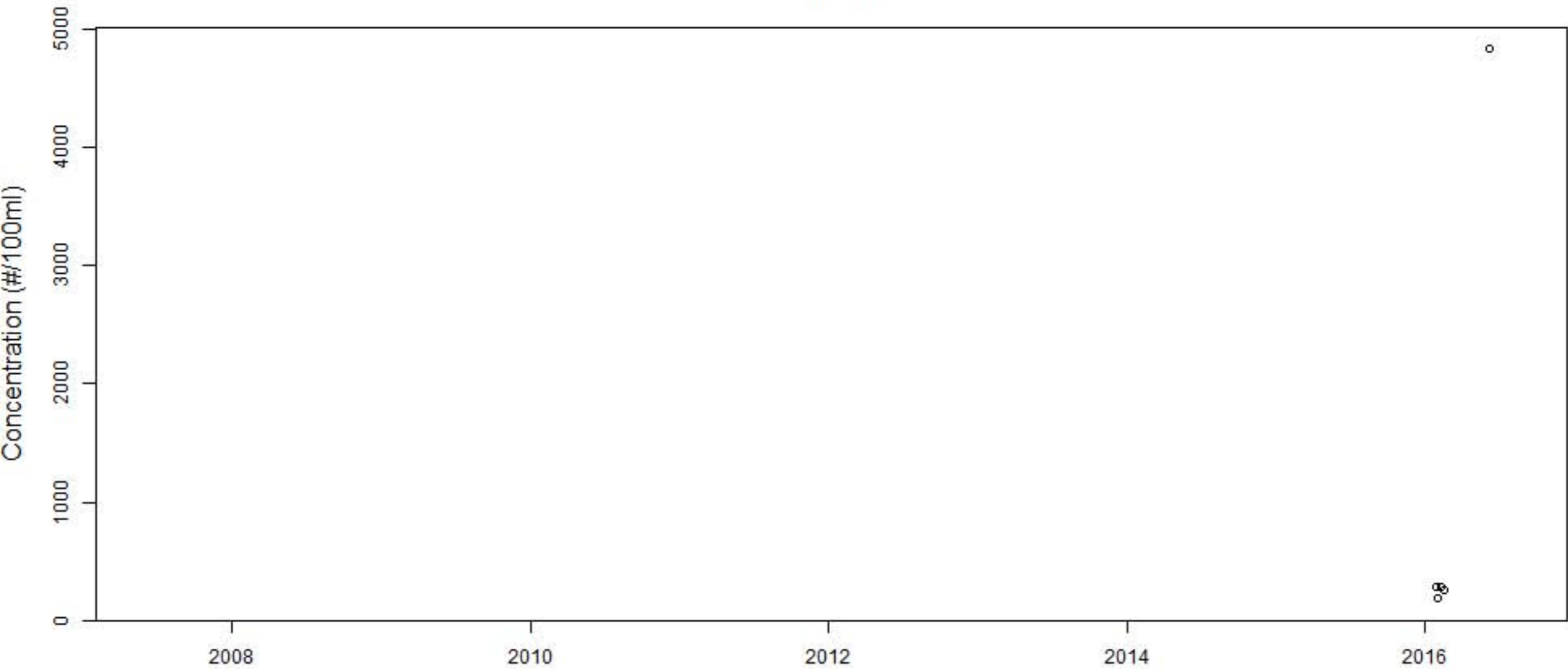
# NRP.OUT



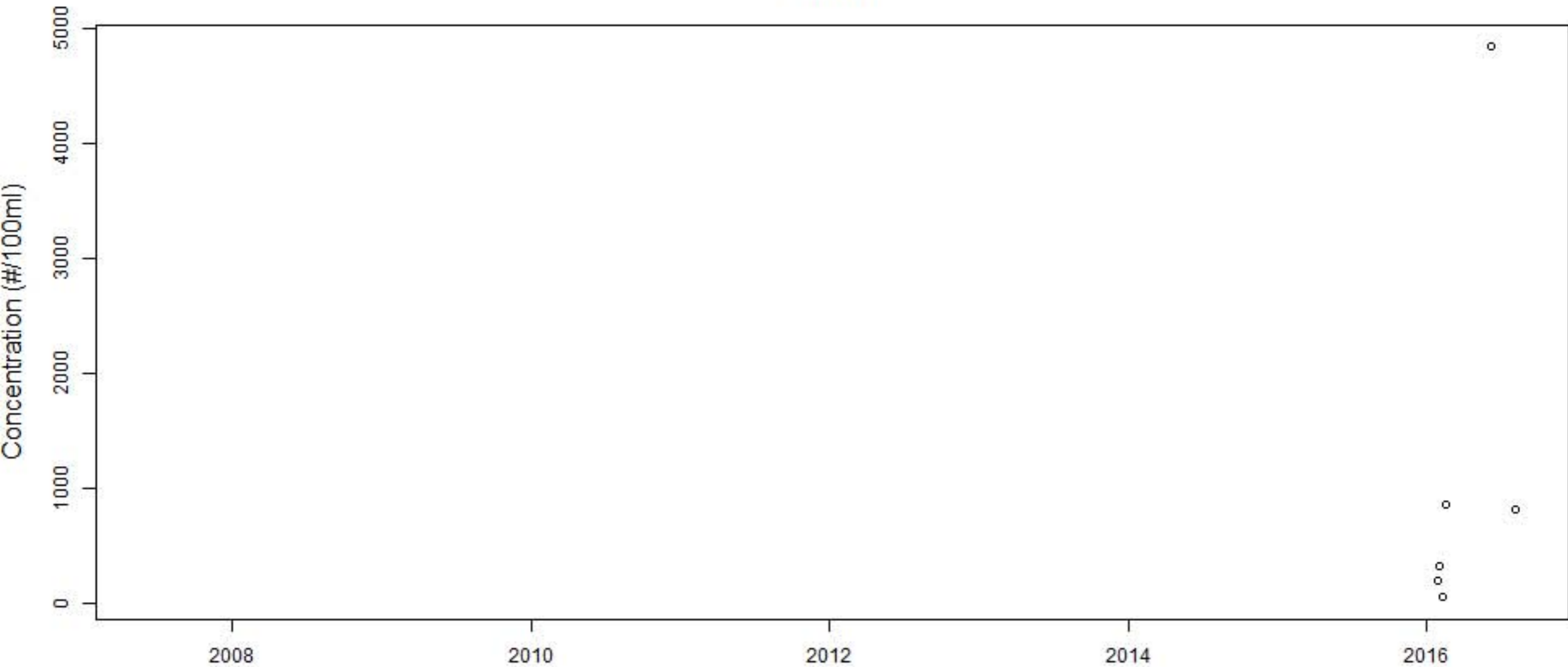
# NRP



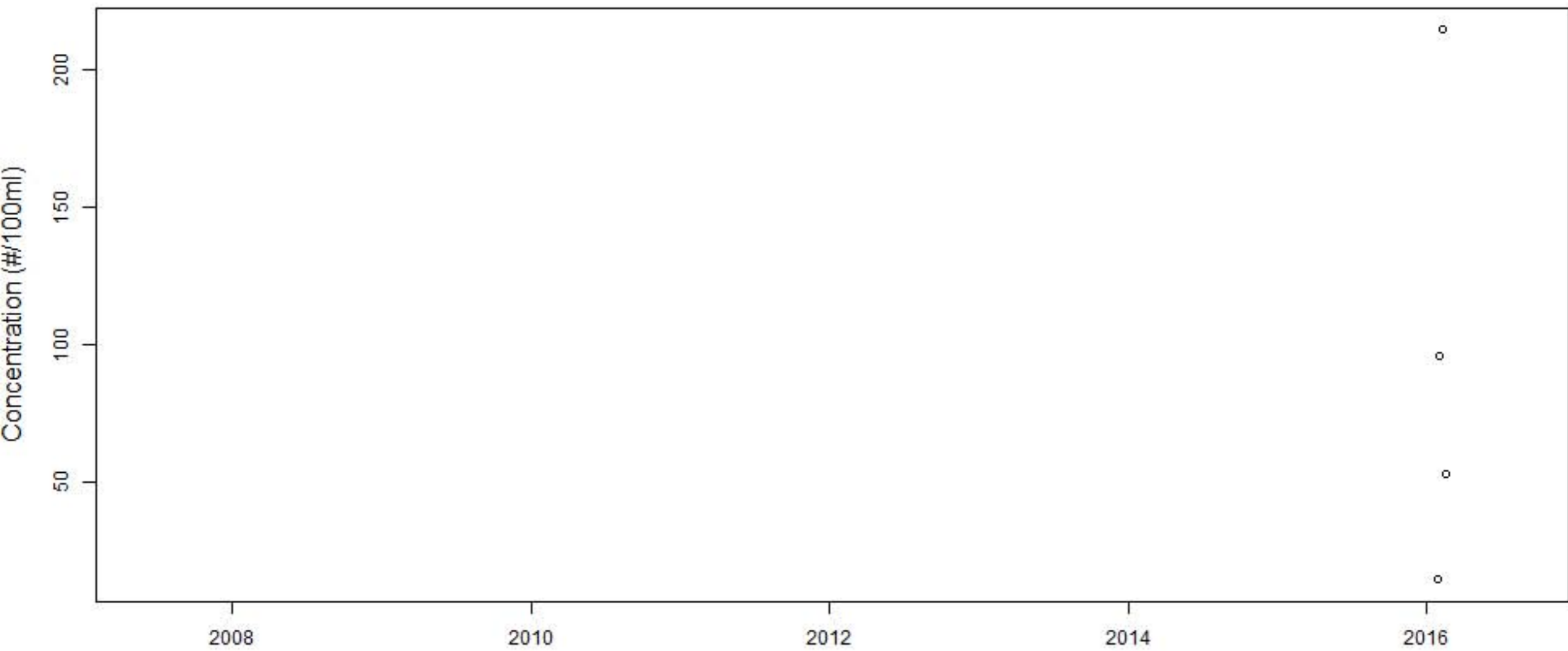
# OKE1



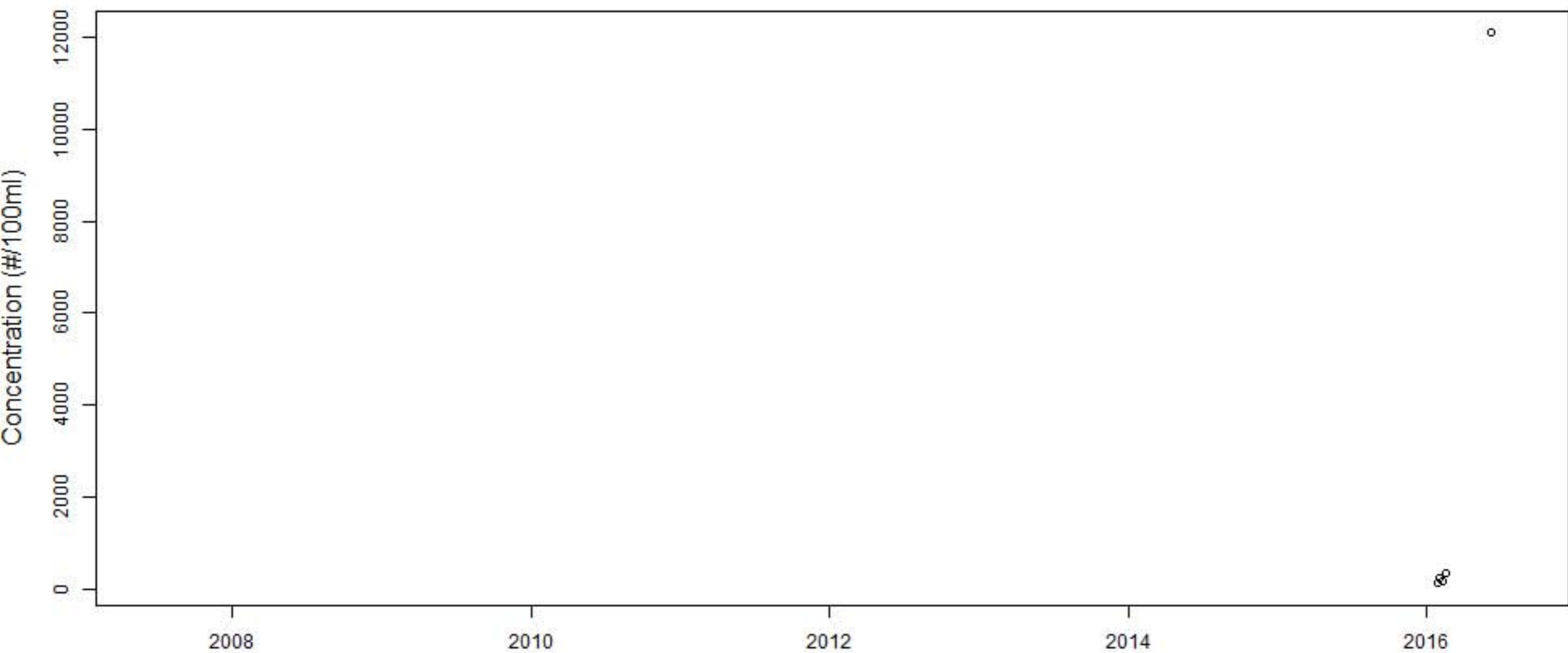
OKW1



OKW2

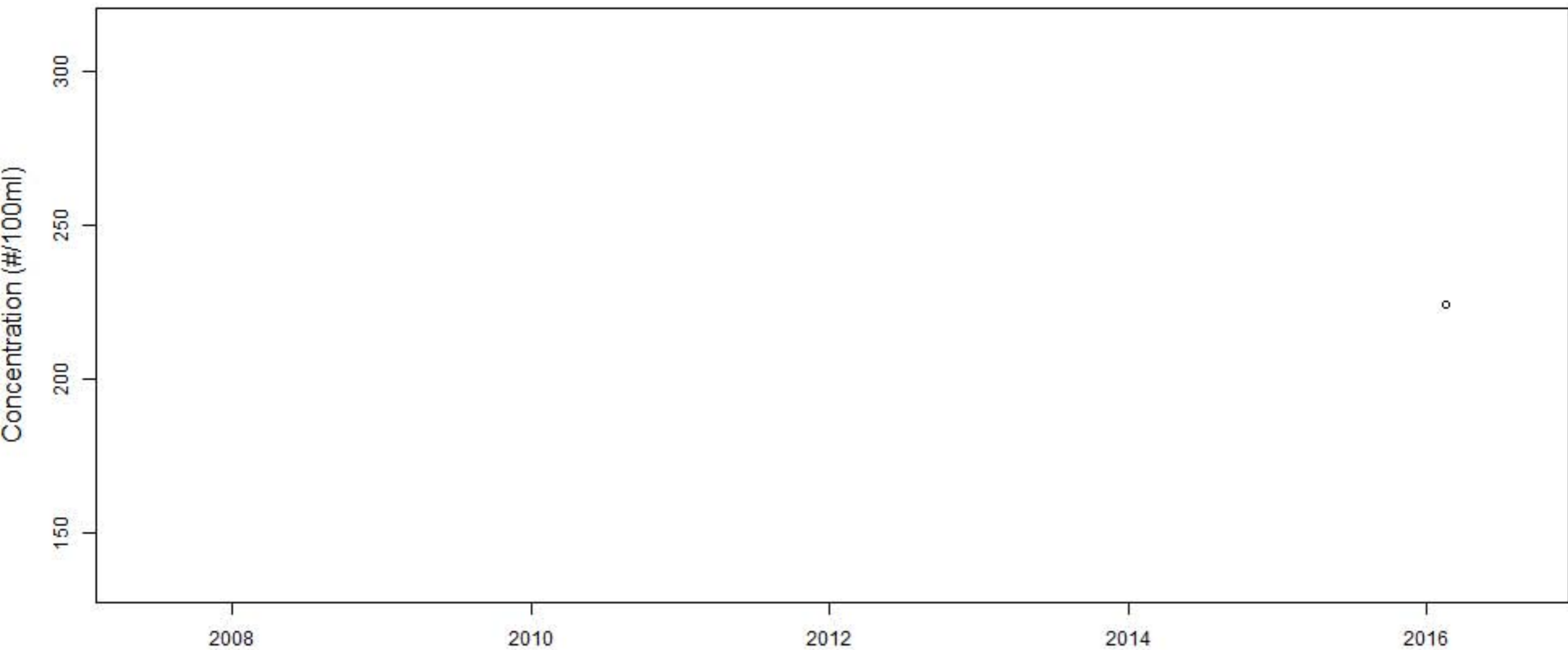


OKW3

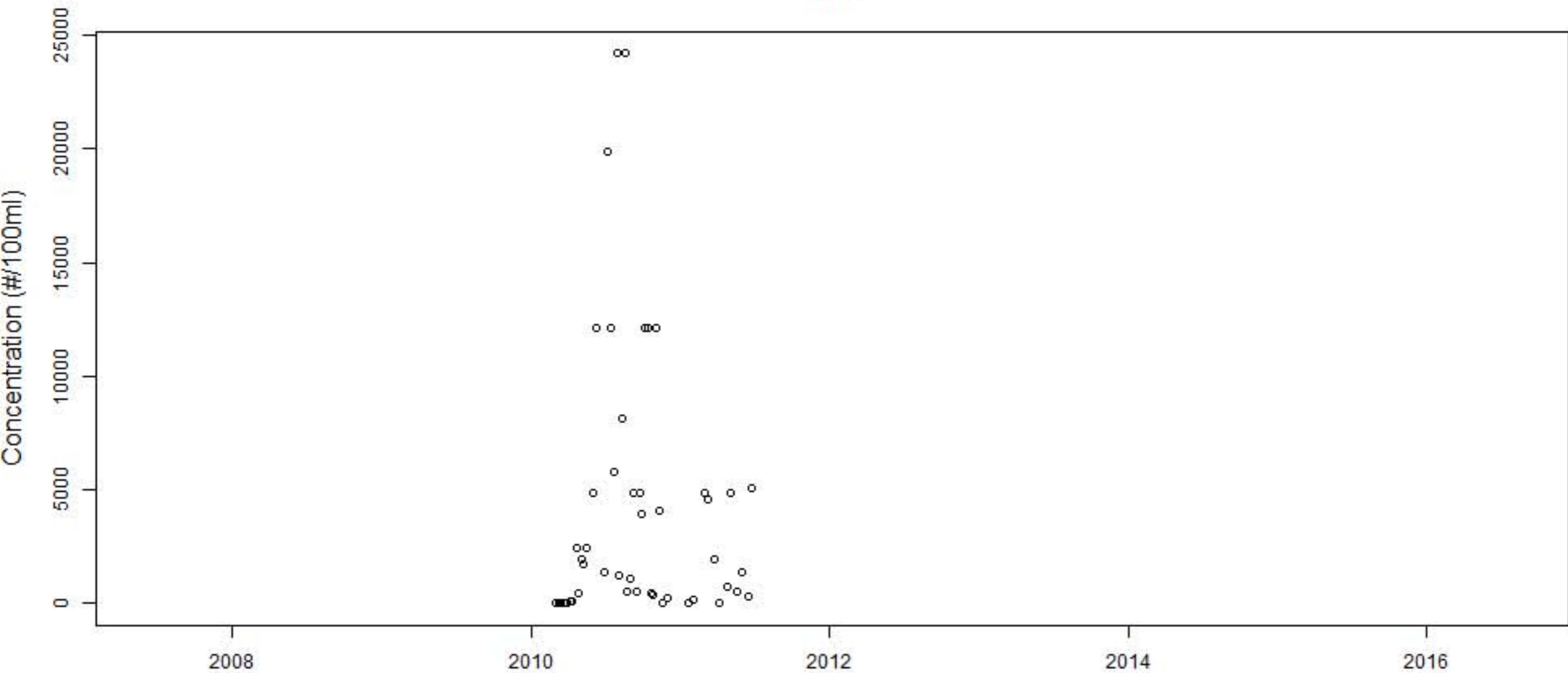




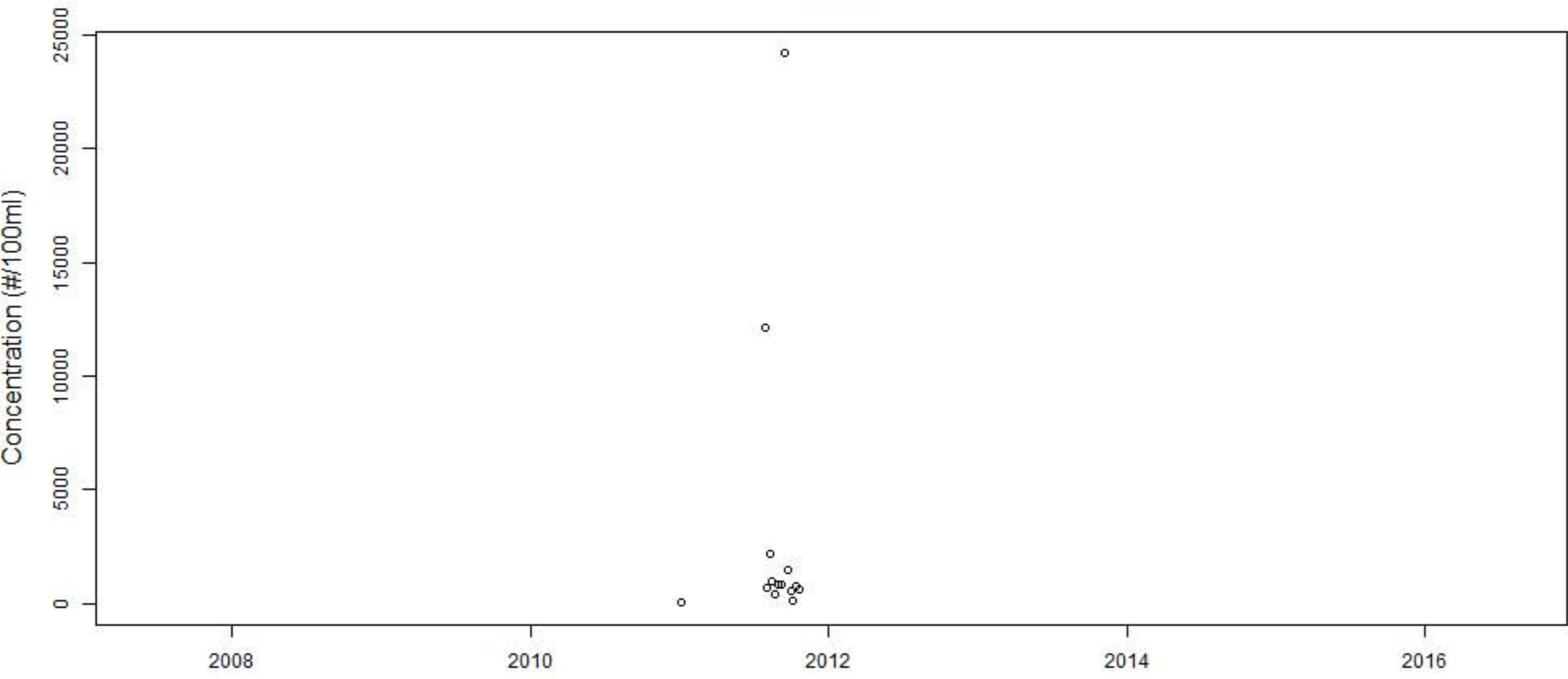
PB1



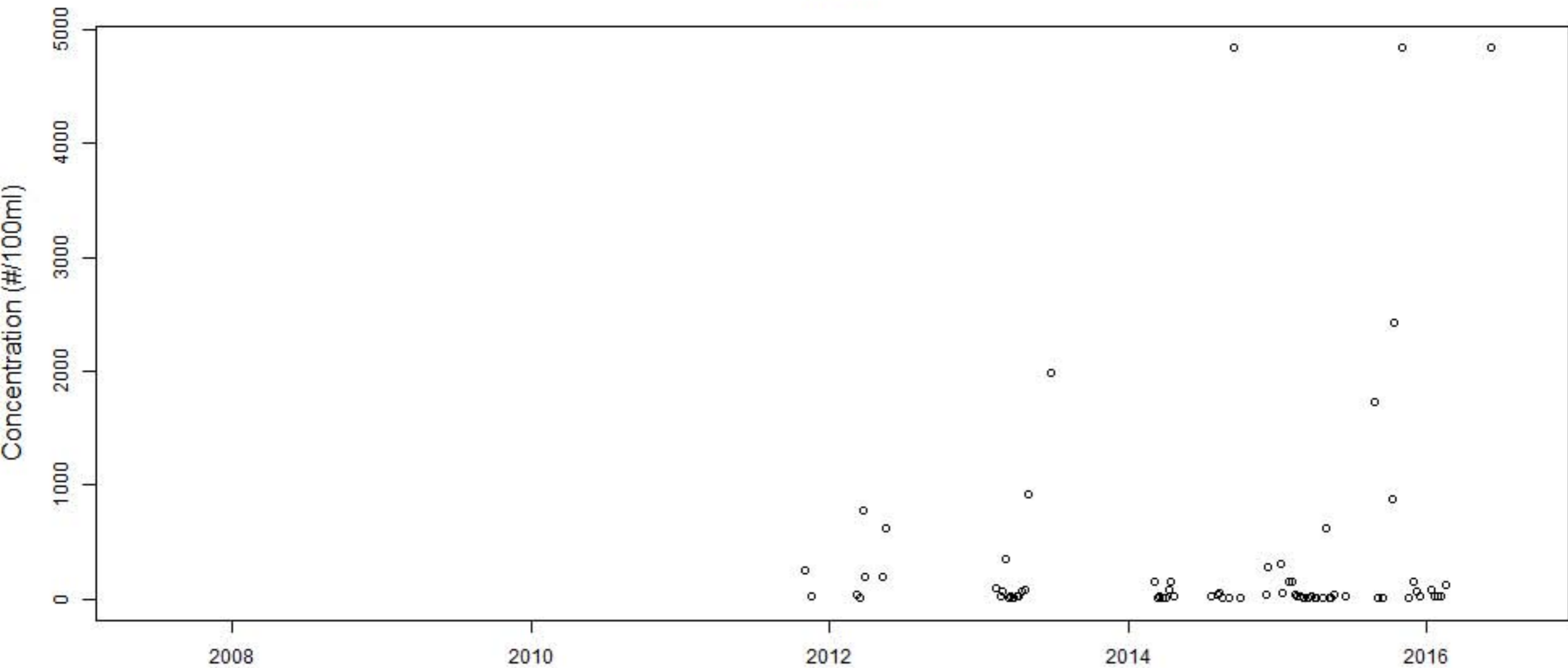
# PBP8



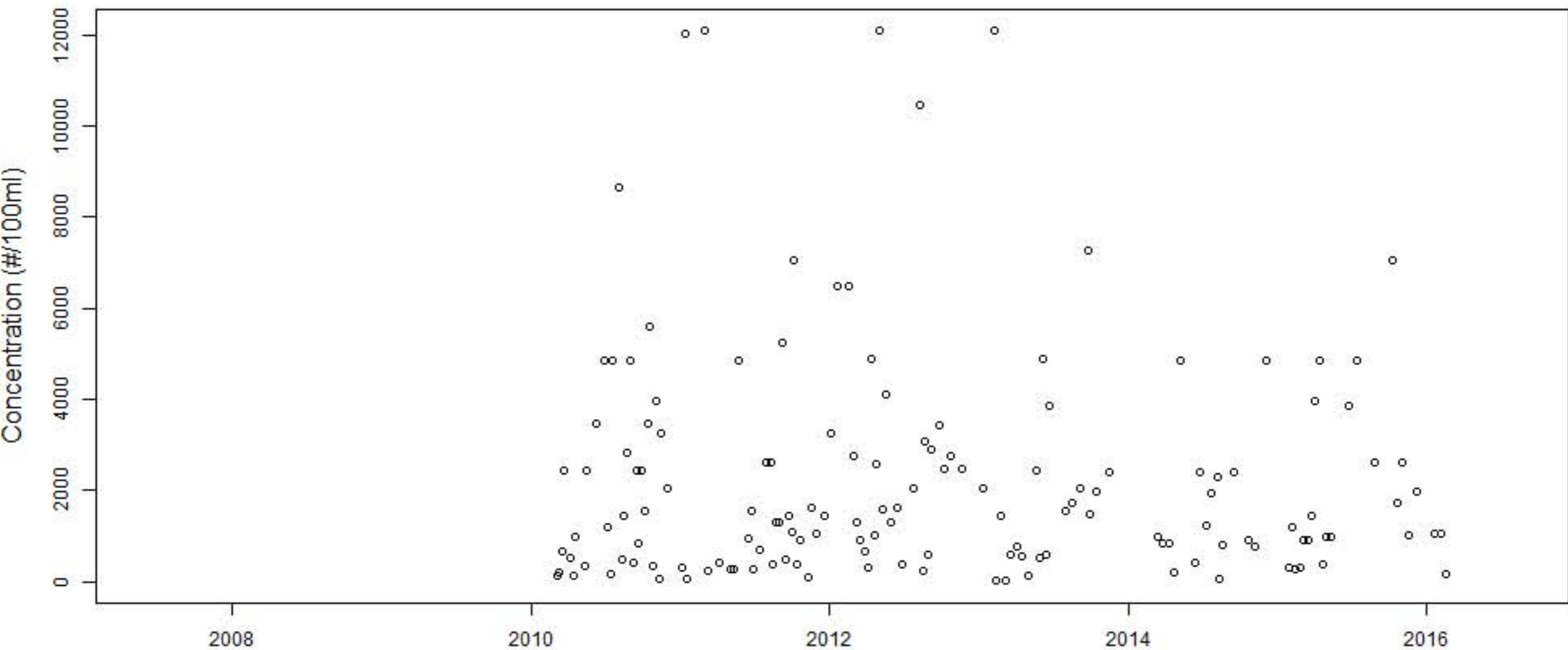
# PBP8A



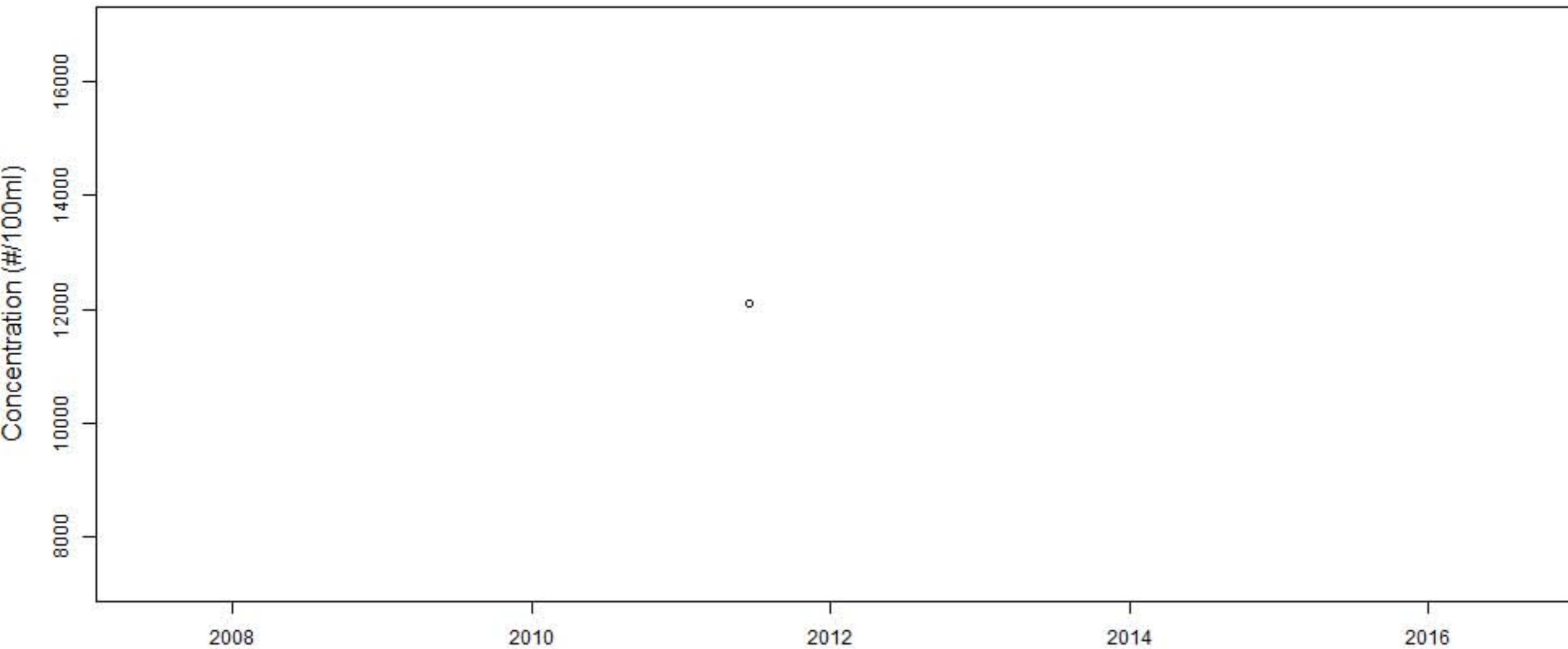
PBP8B



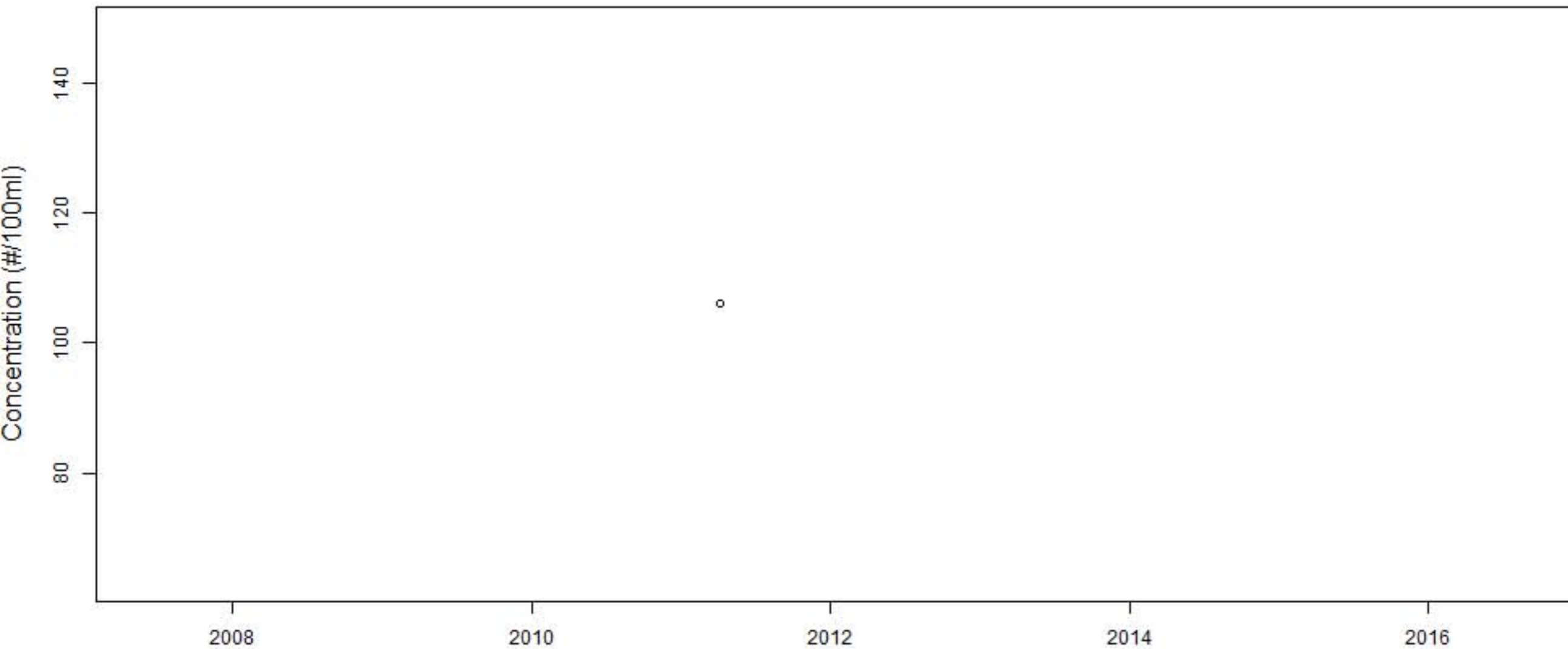
# PBR9



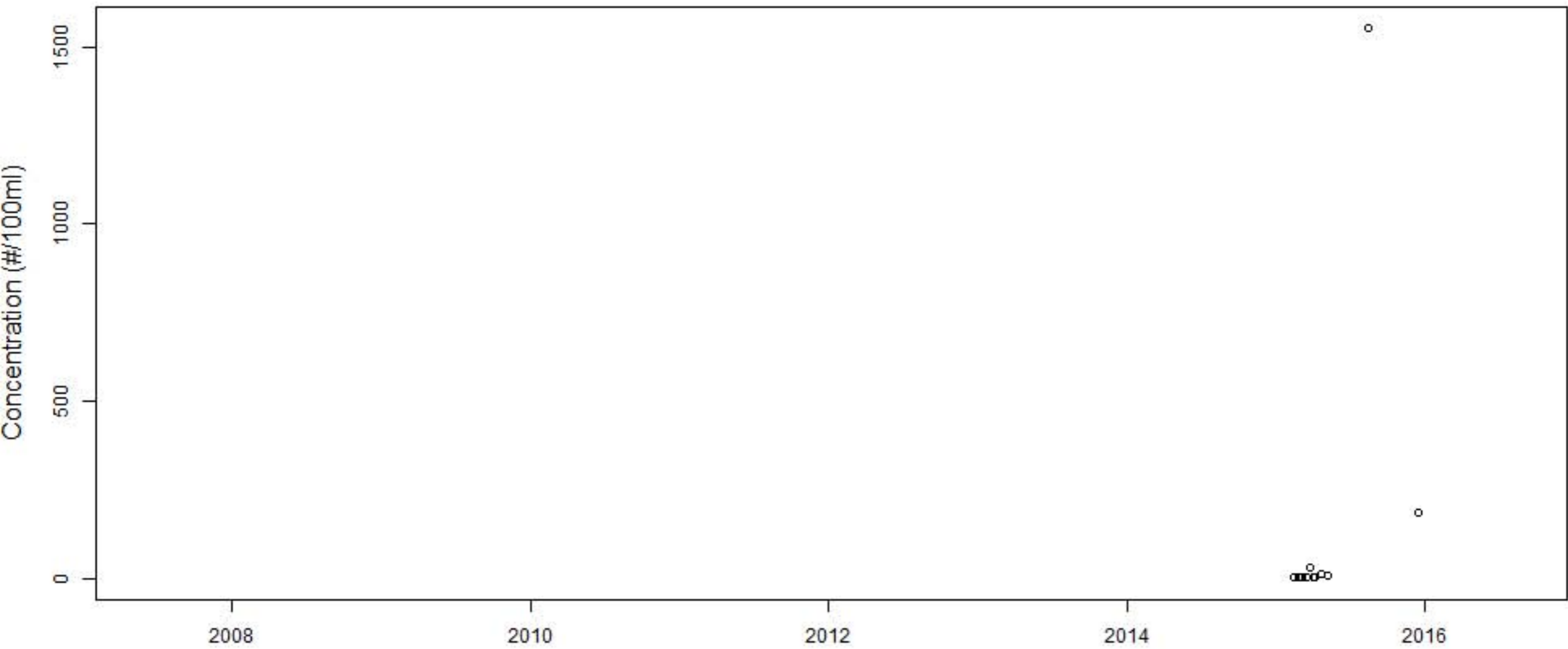
PF1



PHO

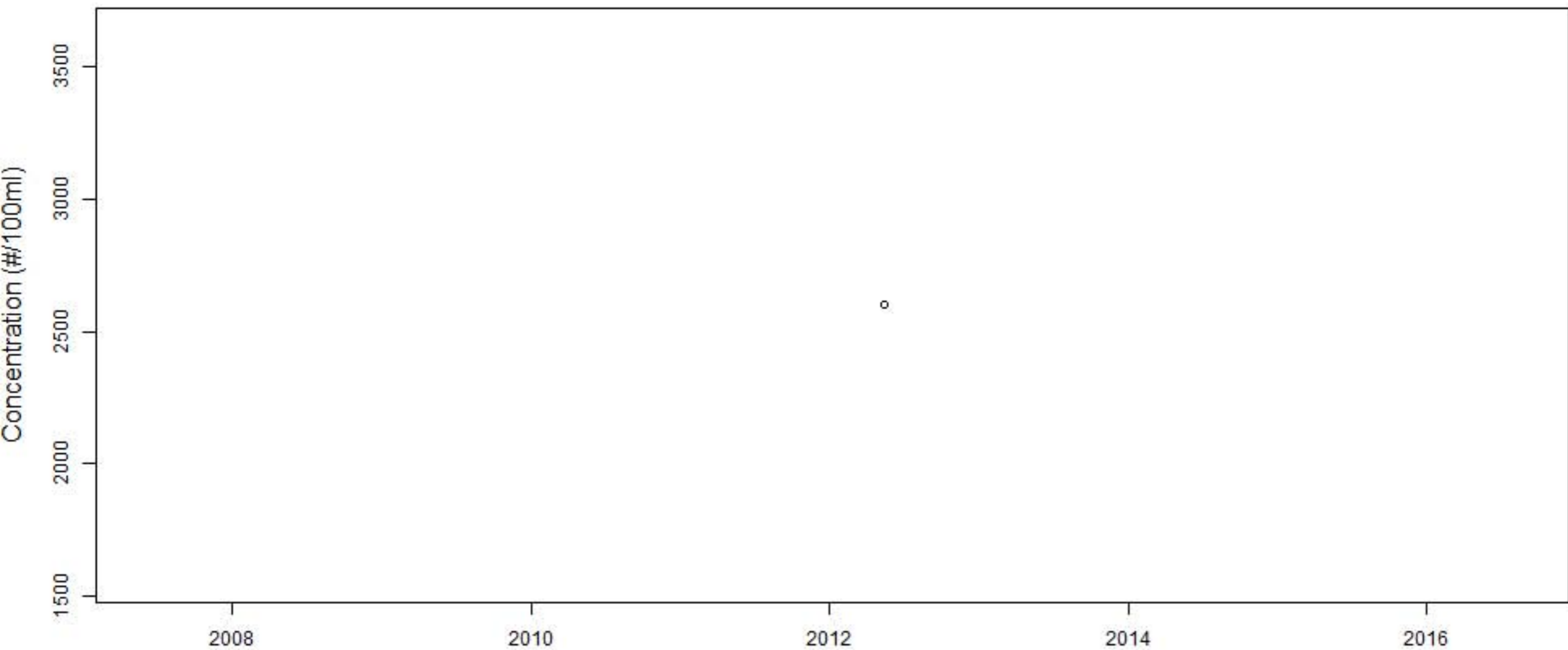


PRN

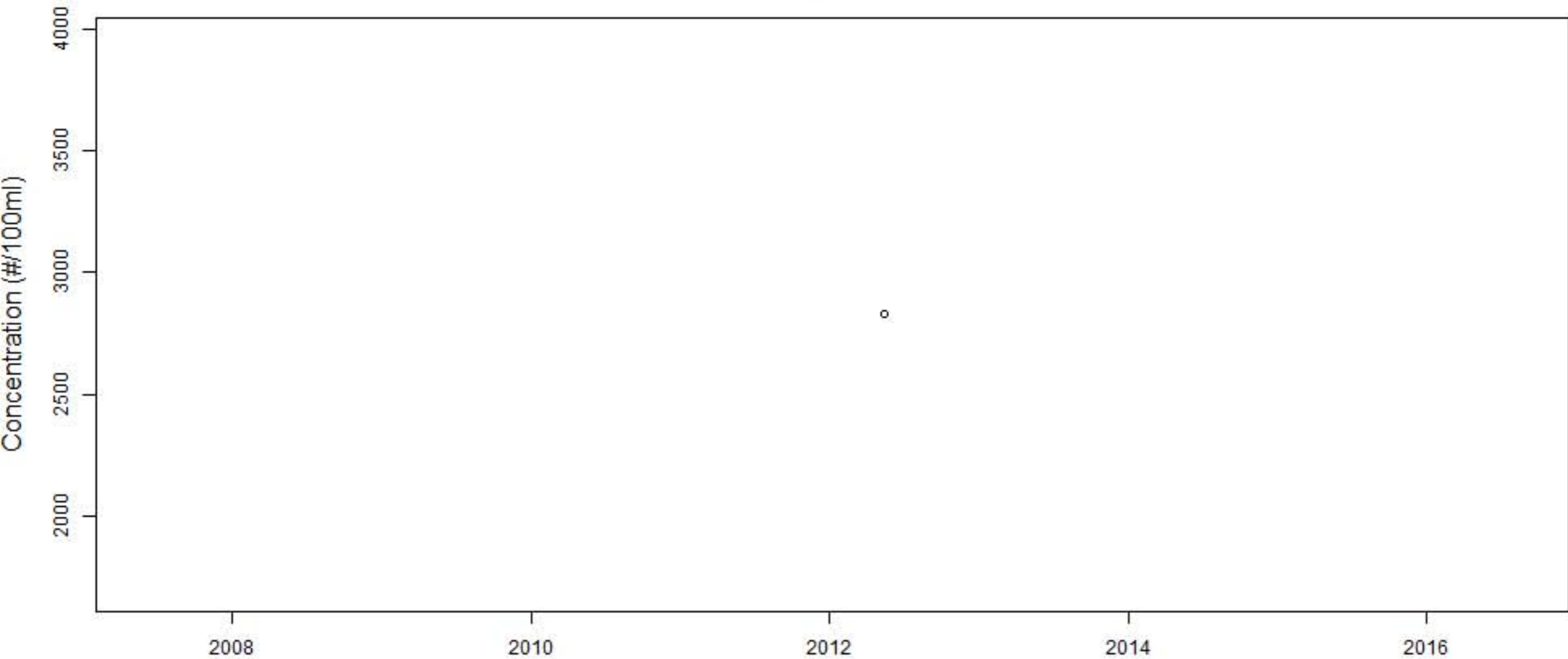




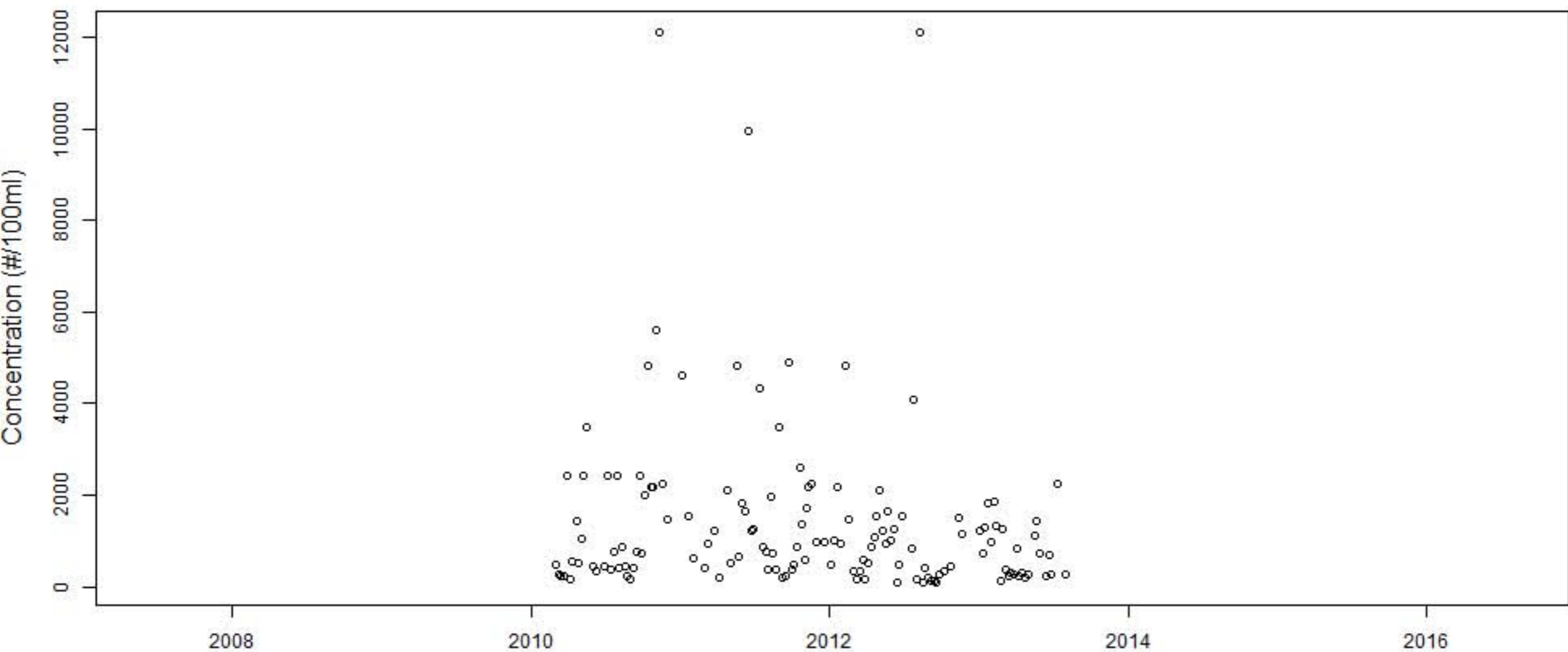
PRP



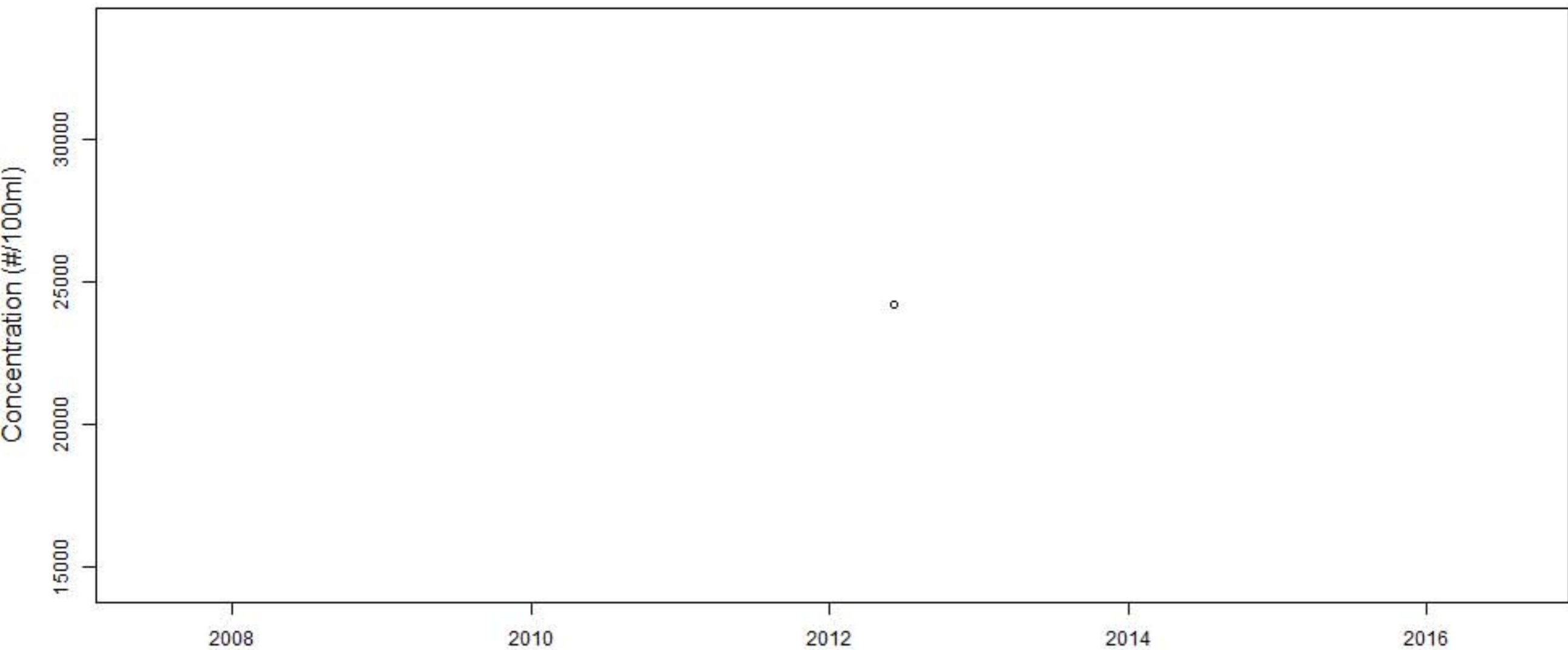
PRPO1



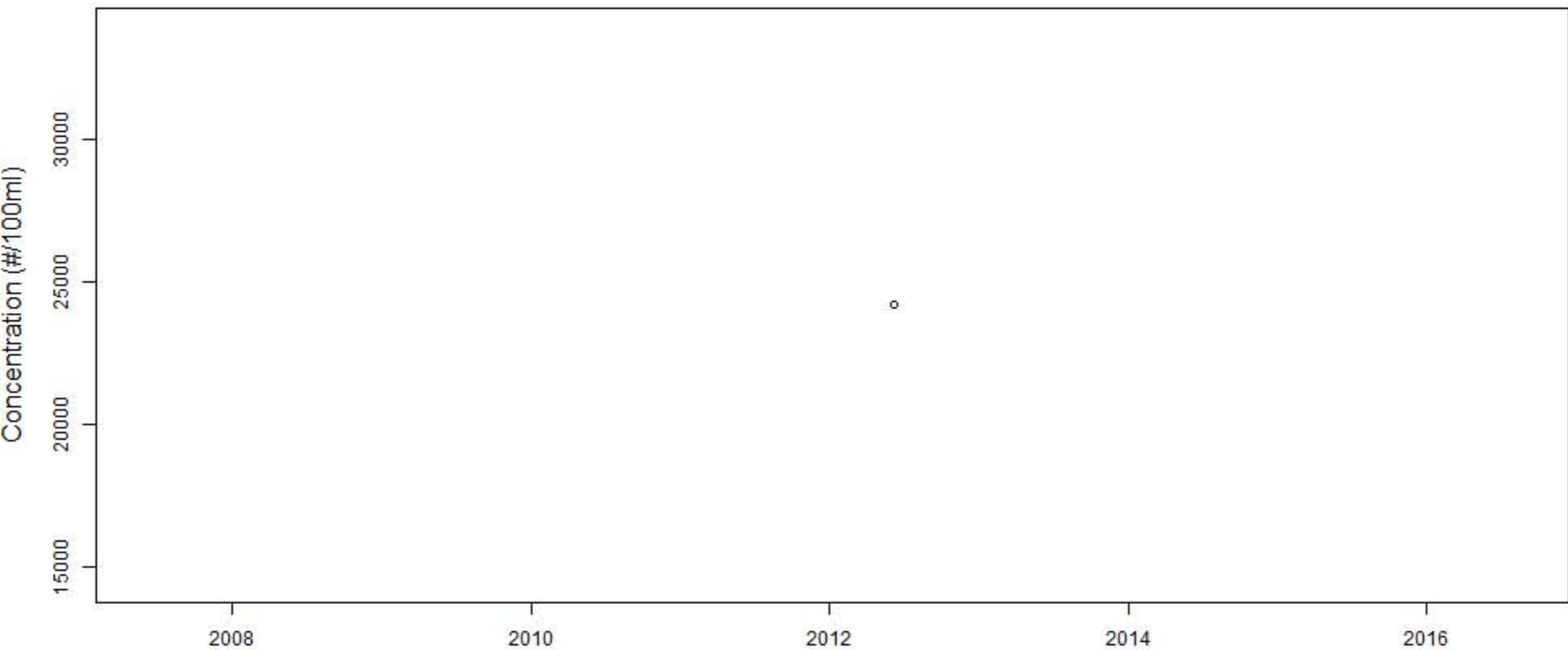
# RDCP4



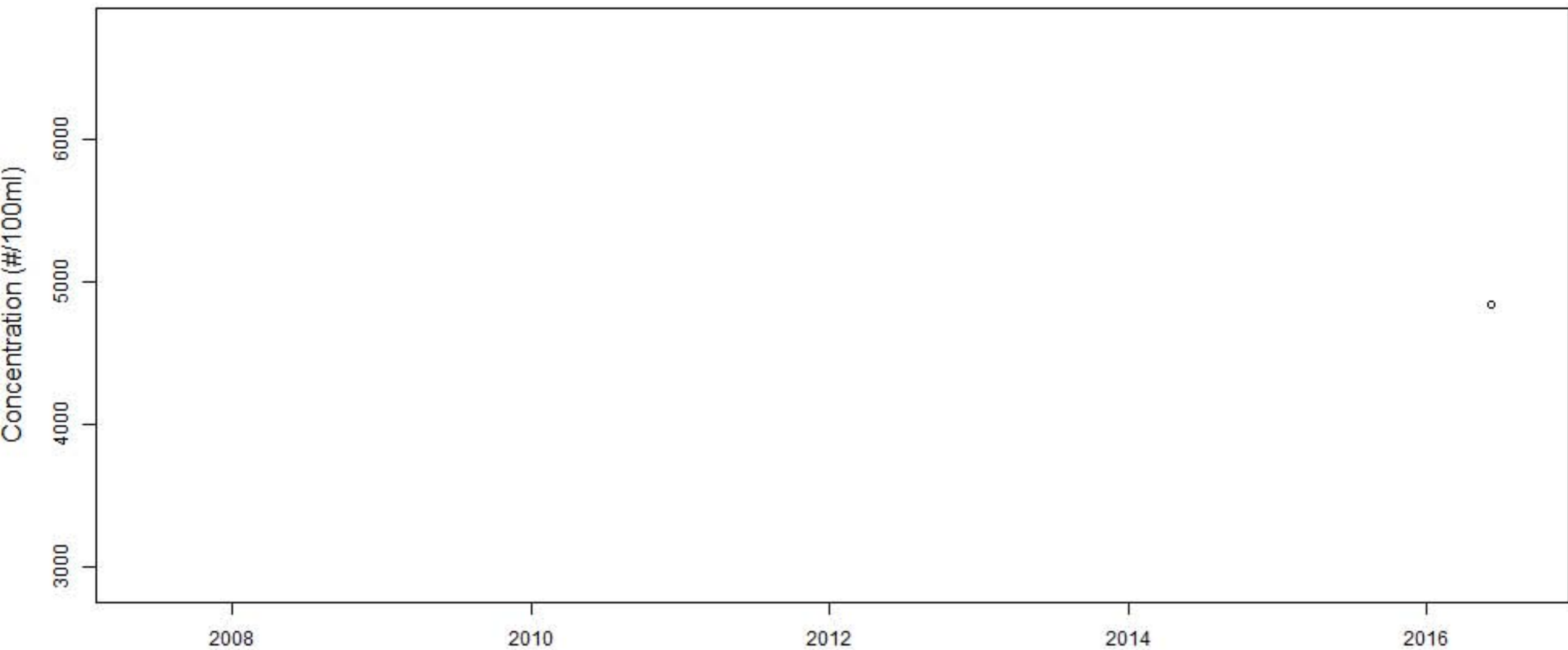
# RDCP5.5SP



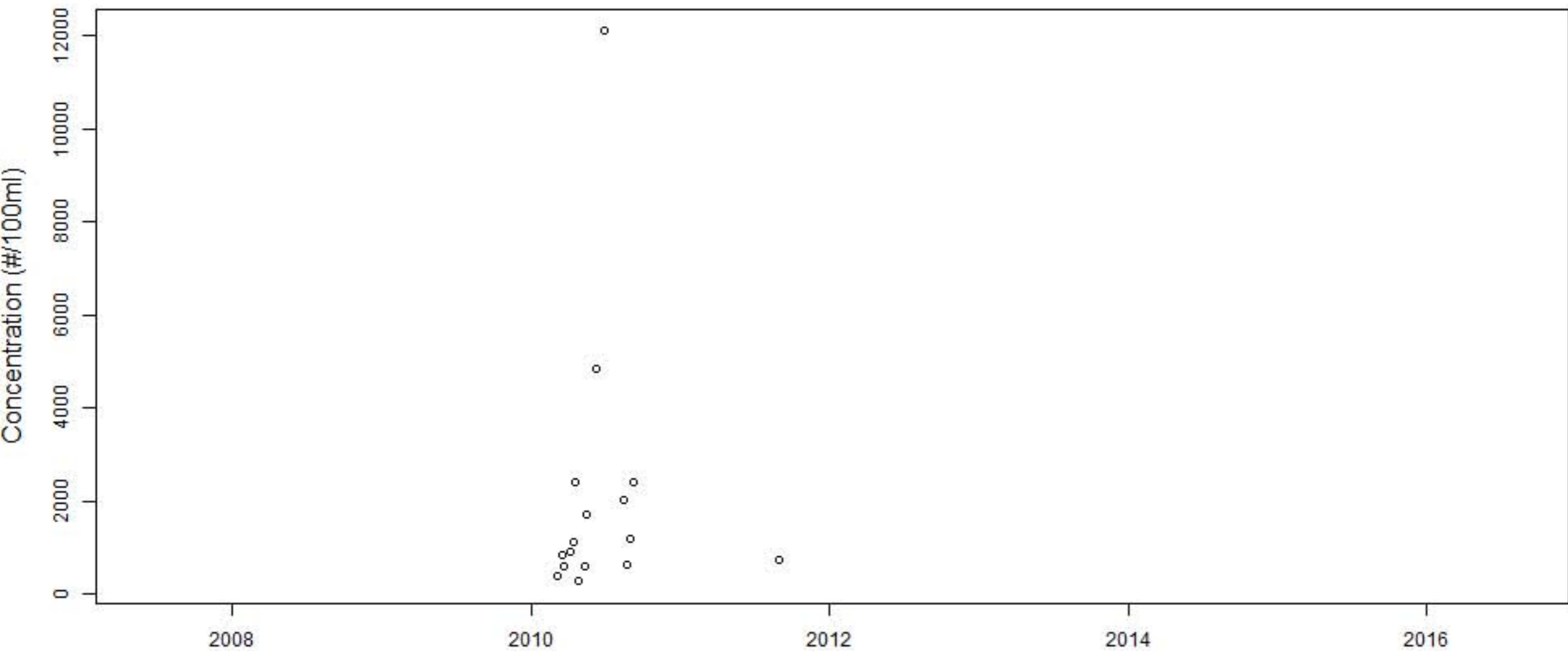
# RDCP5



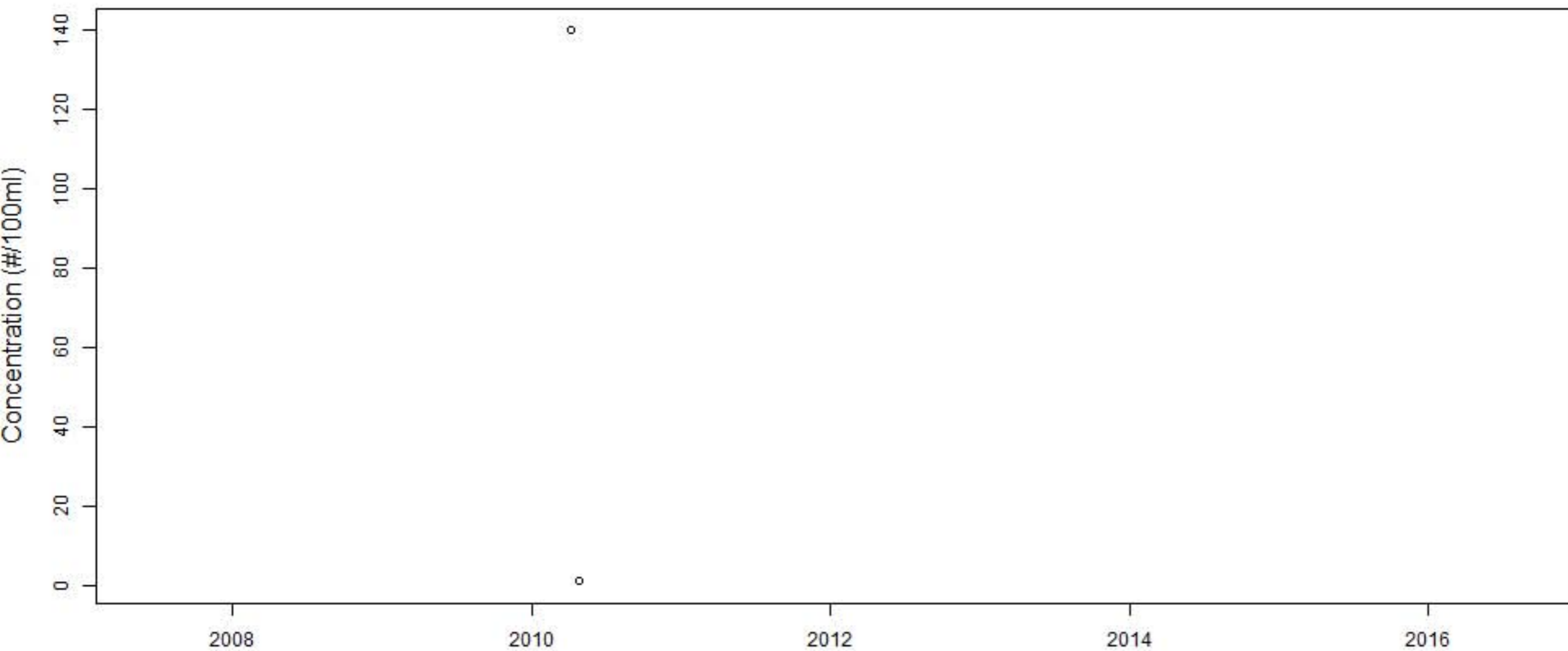
RS3



SC.1

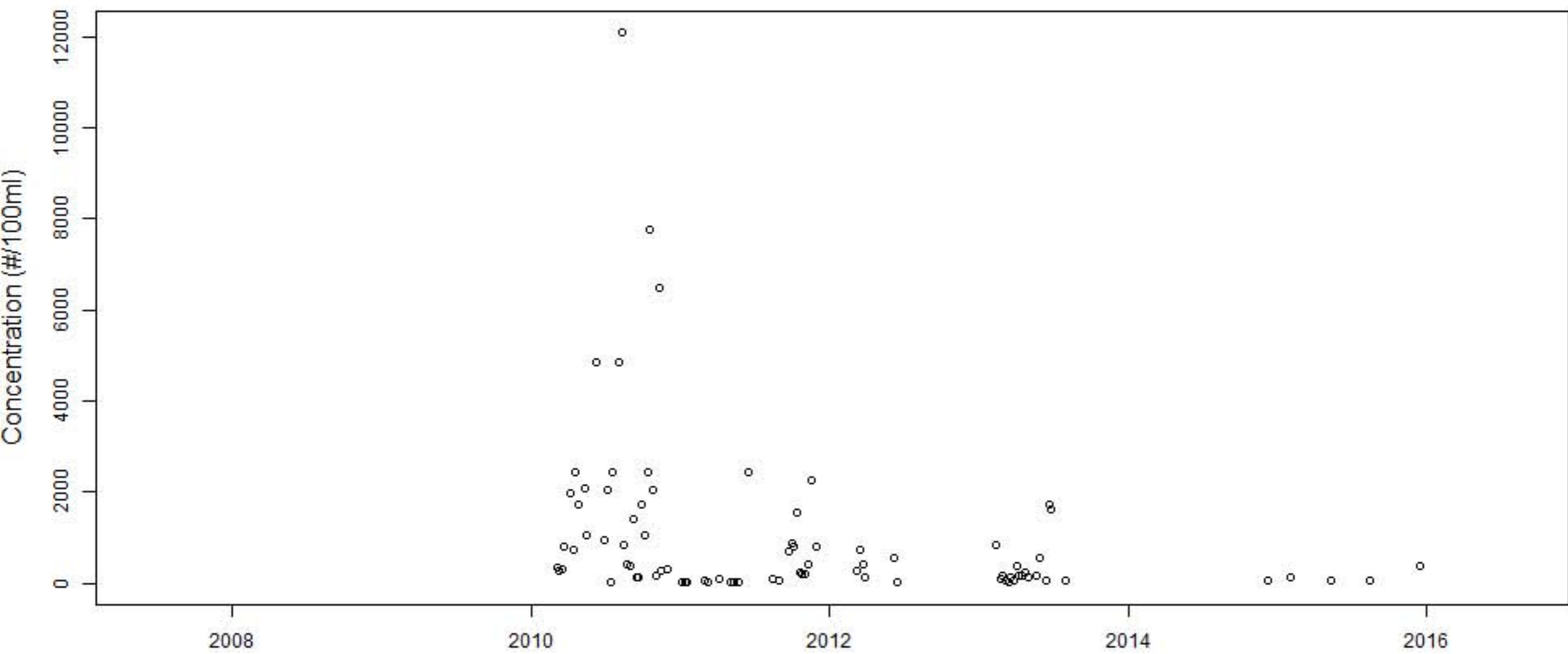


SC.11

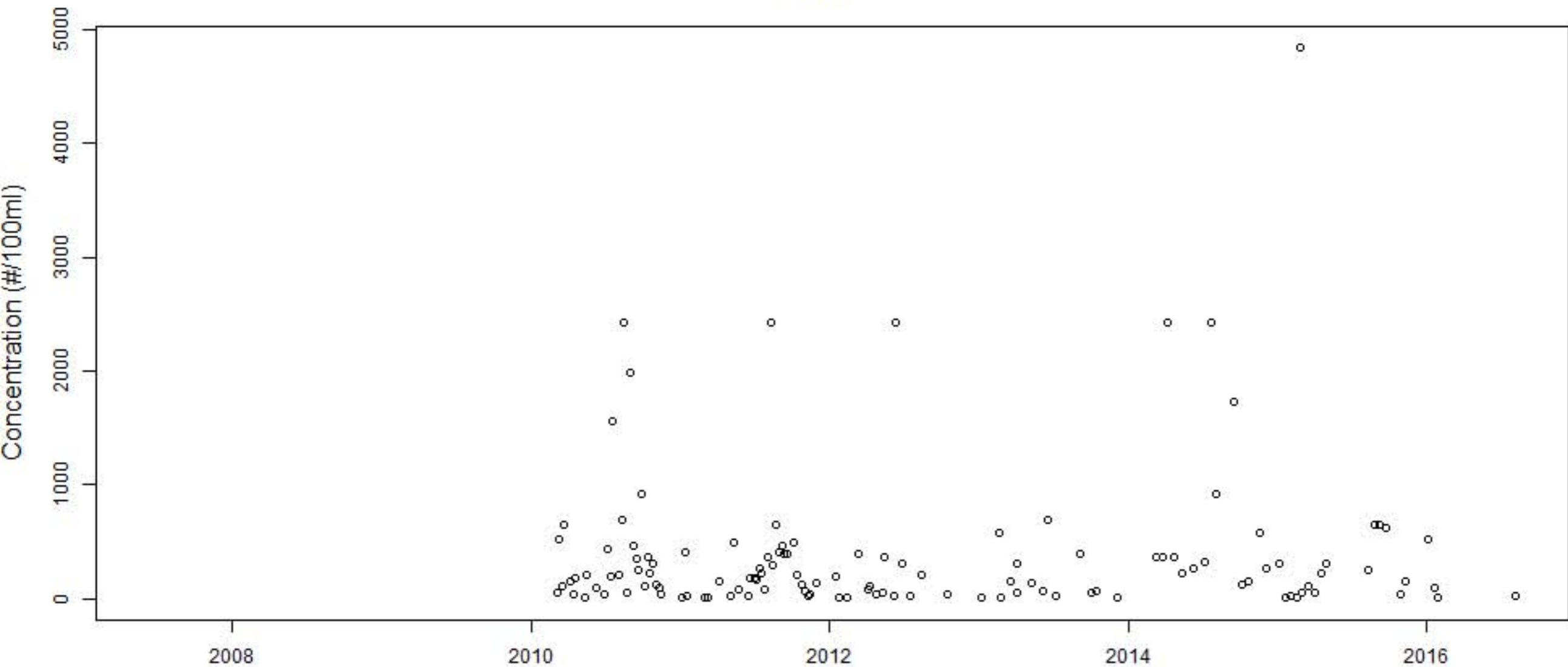




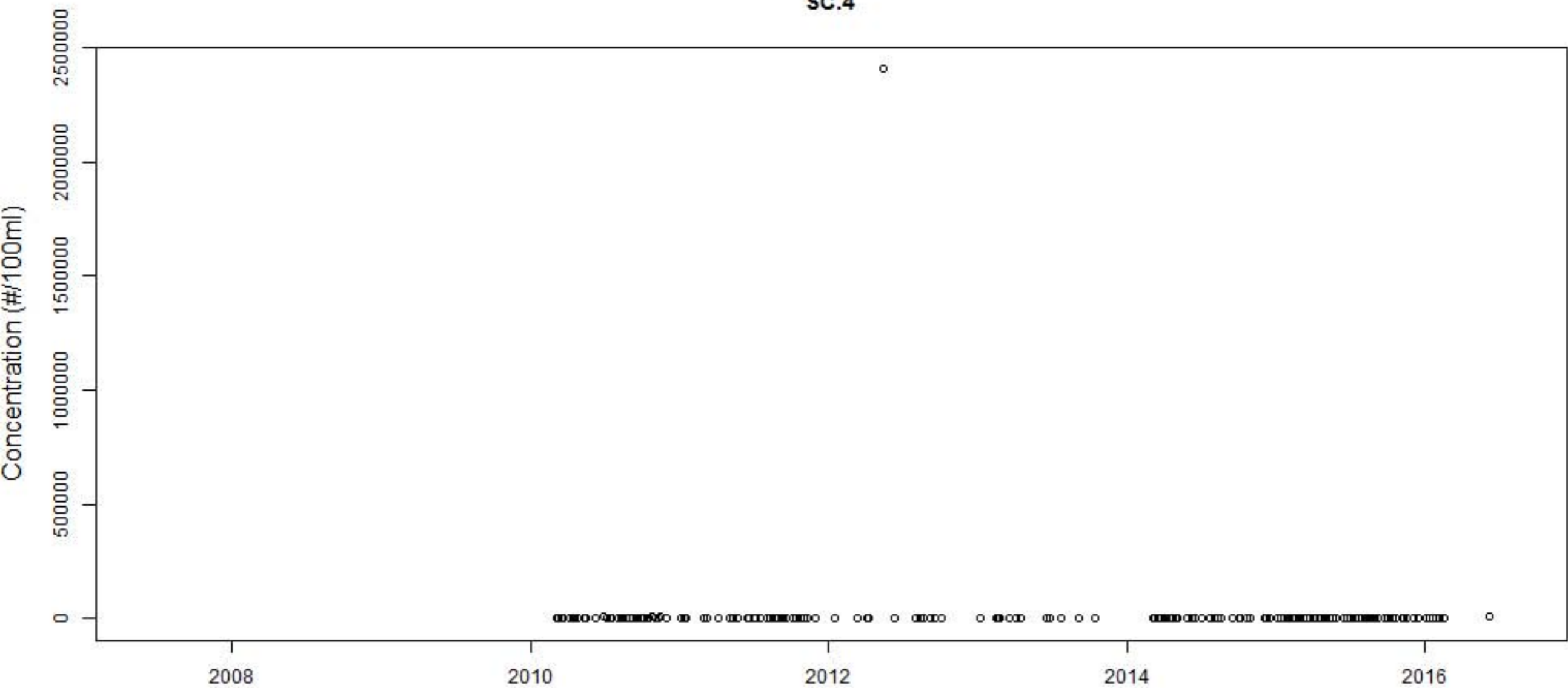
## SC.12



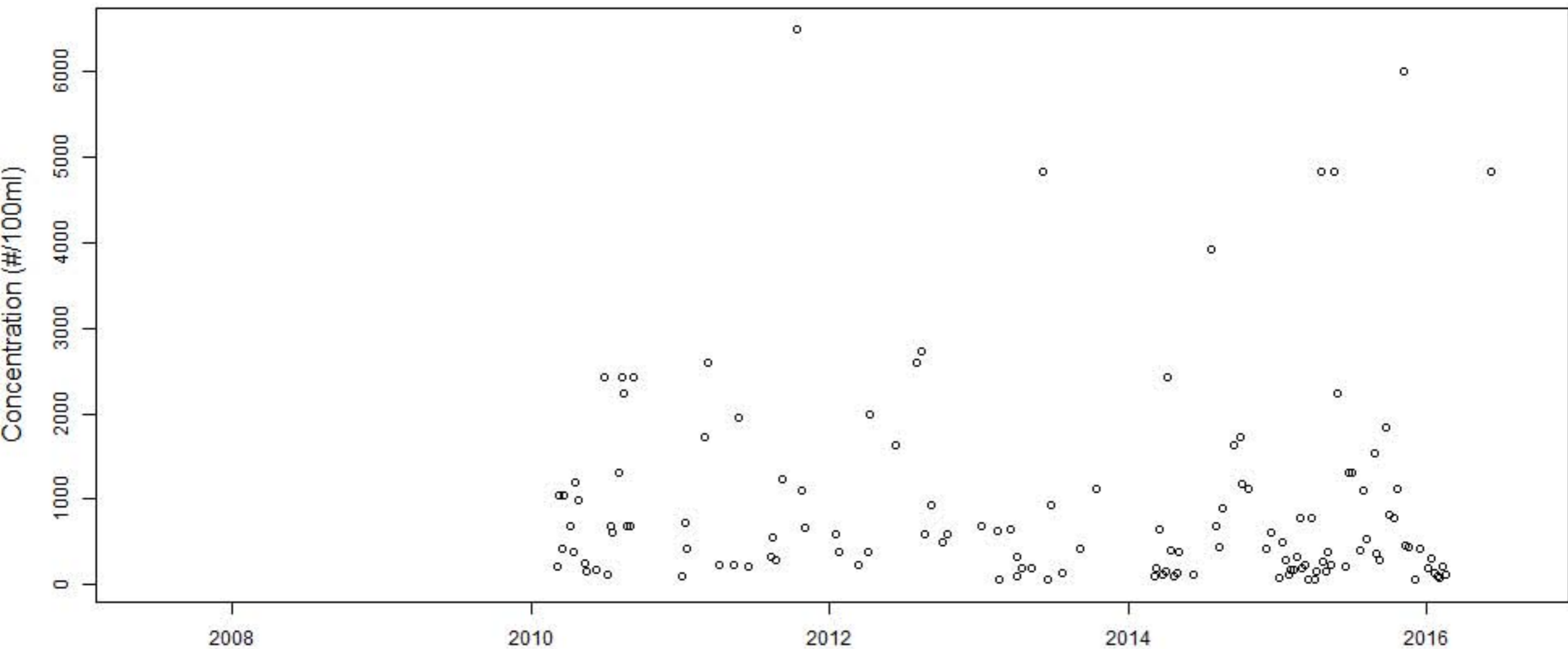
SC.13



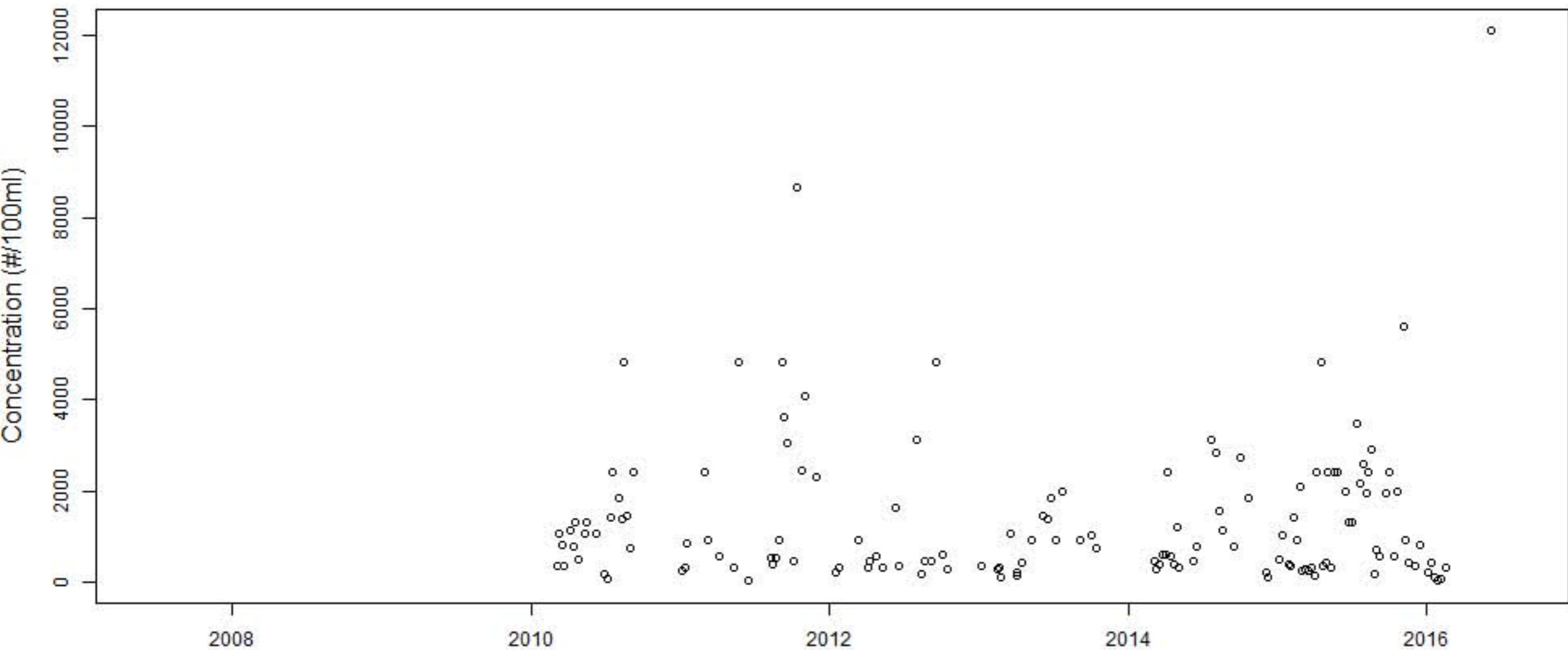
SC.4



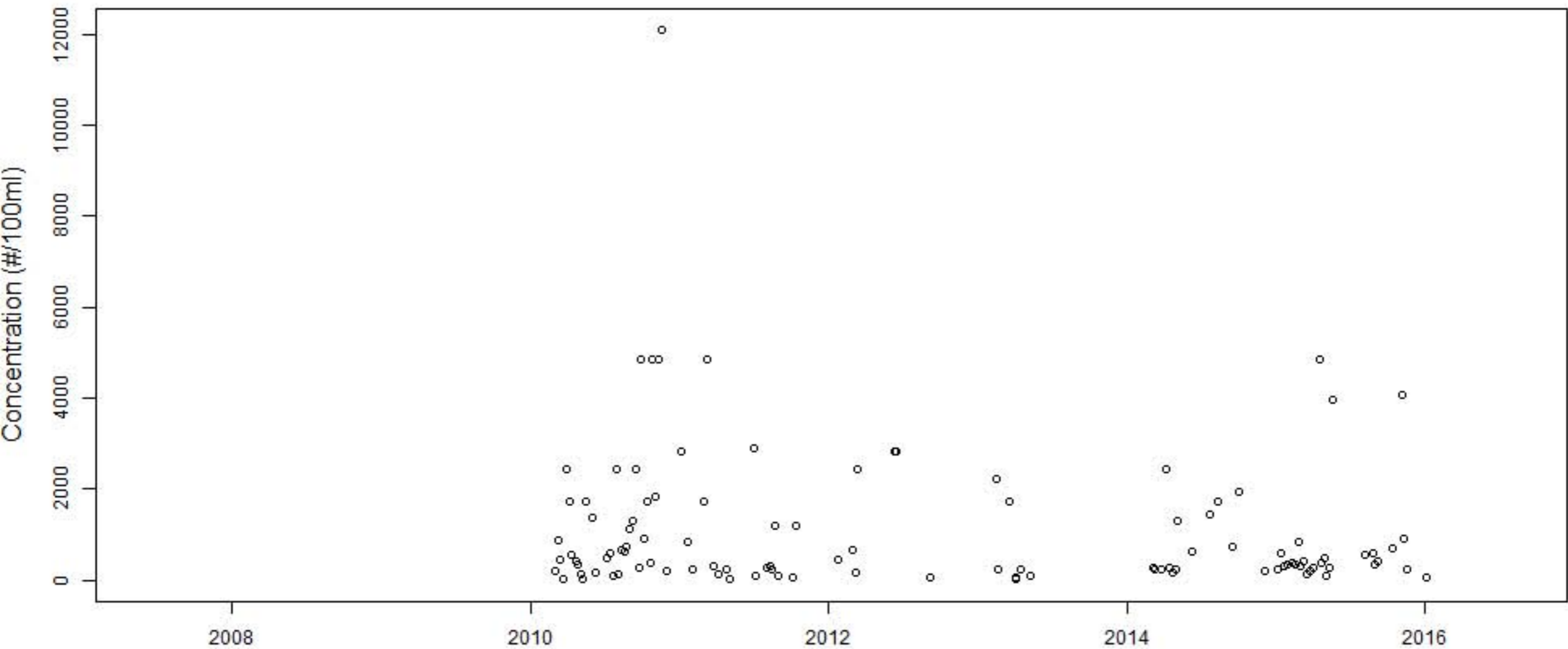
# SC.5



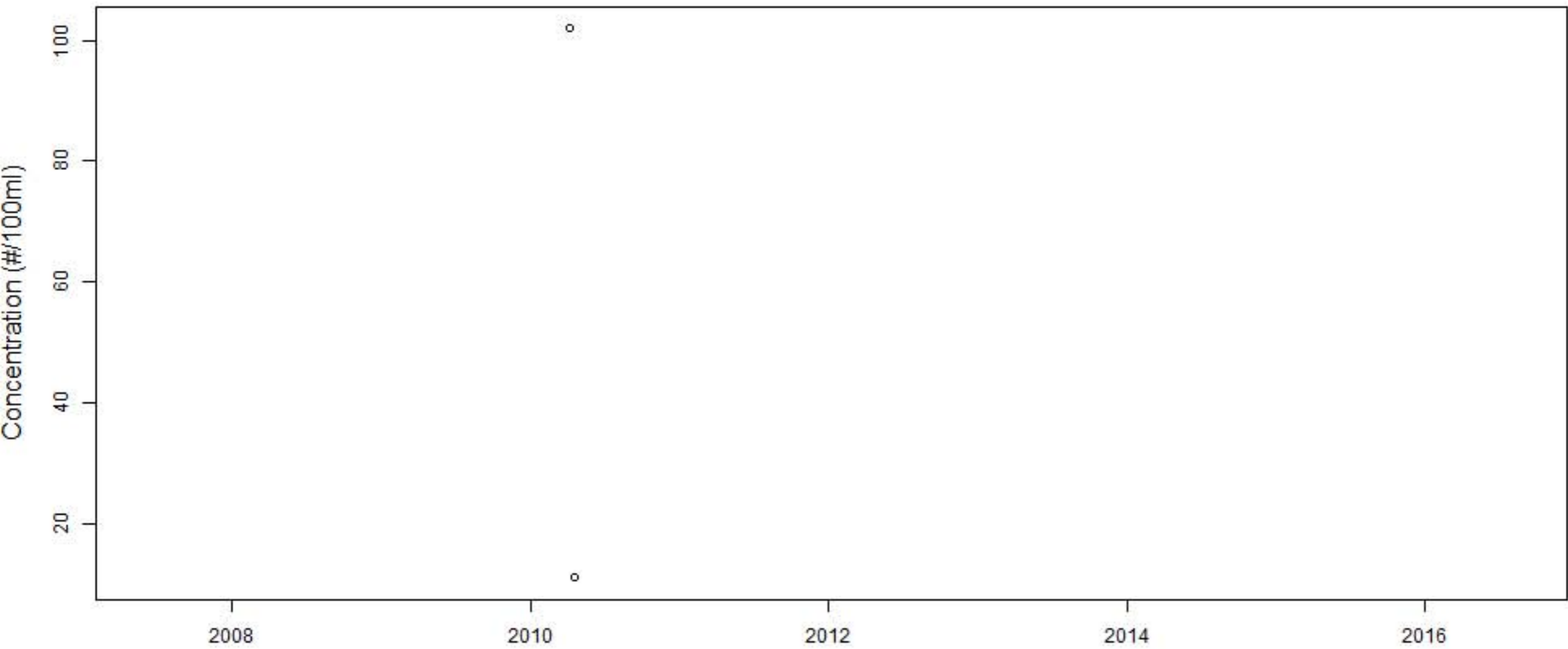
# SC.6



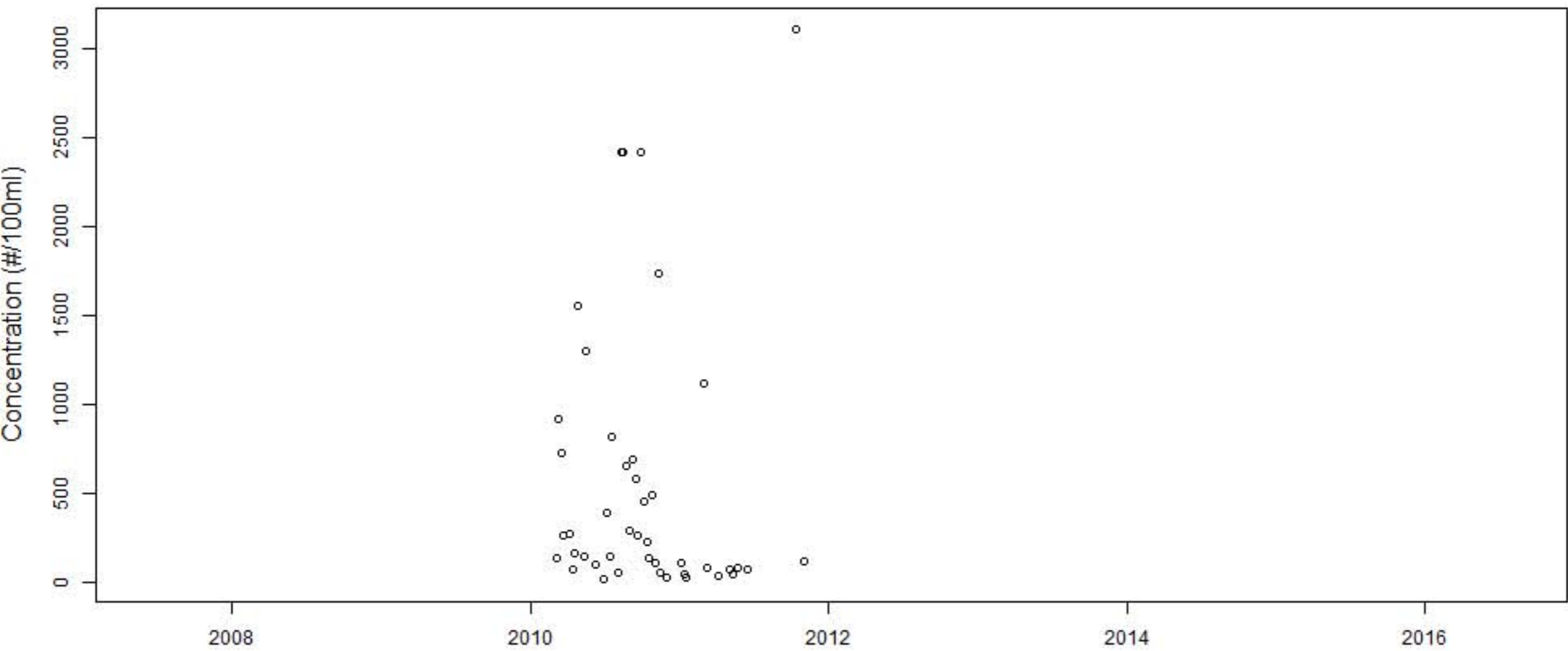
SC.7



SC.8

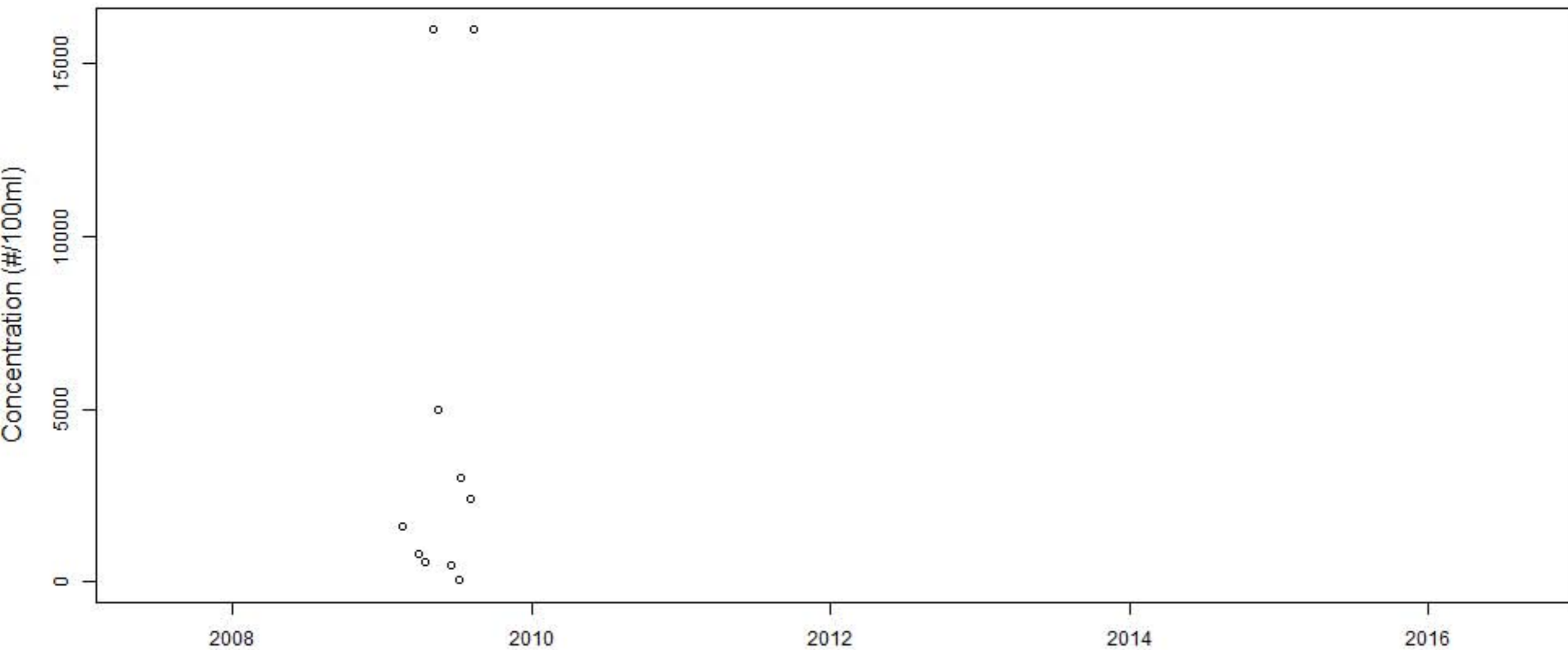


SC.9

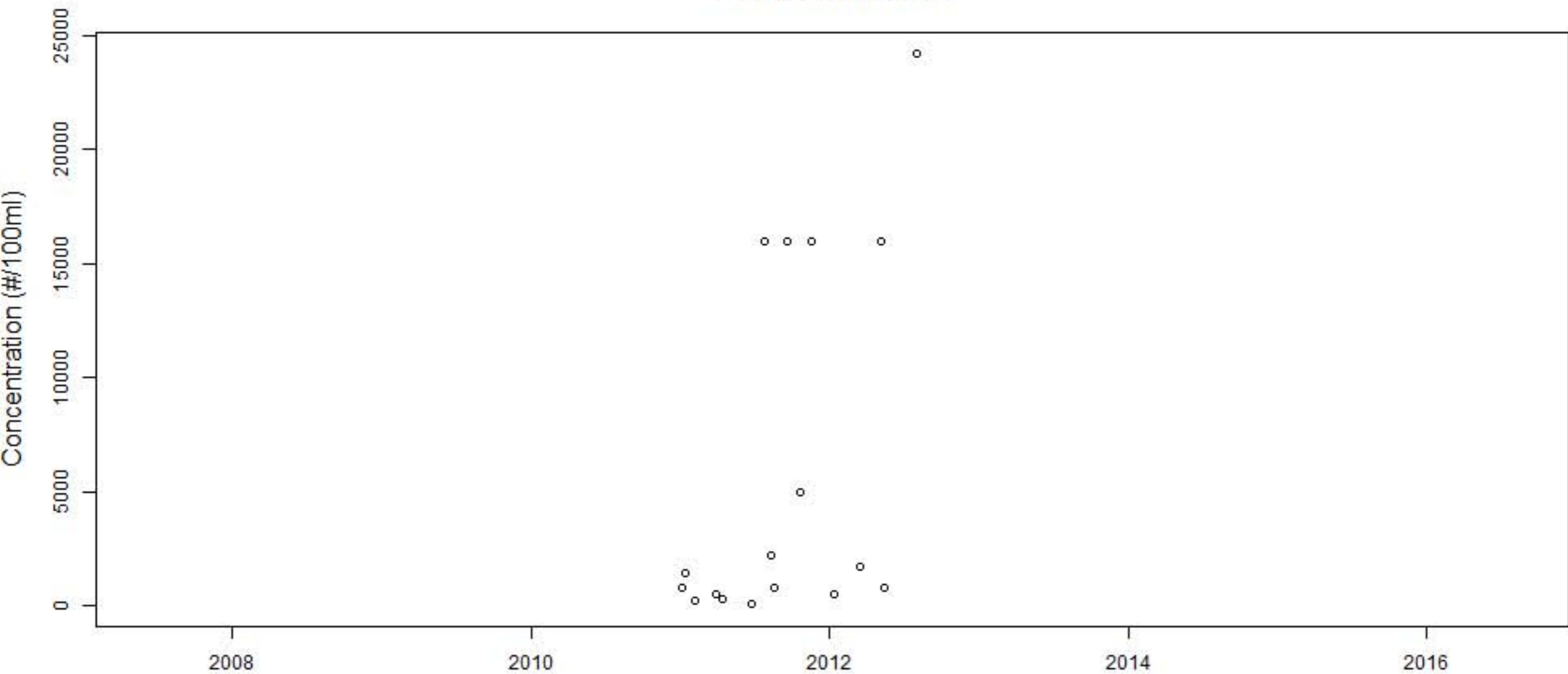




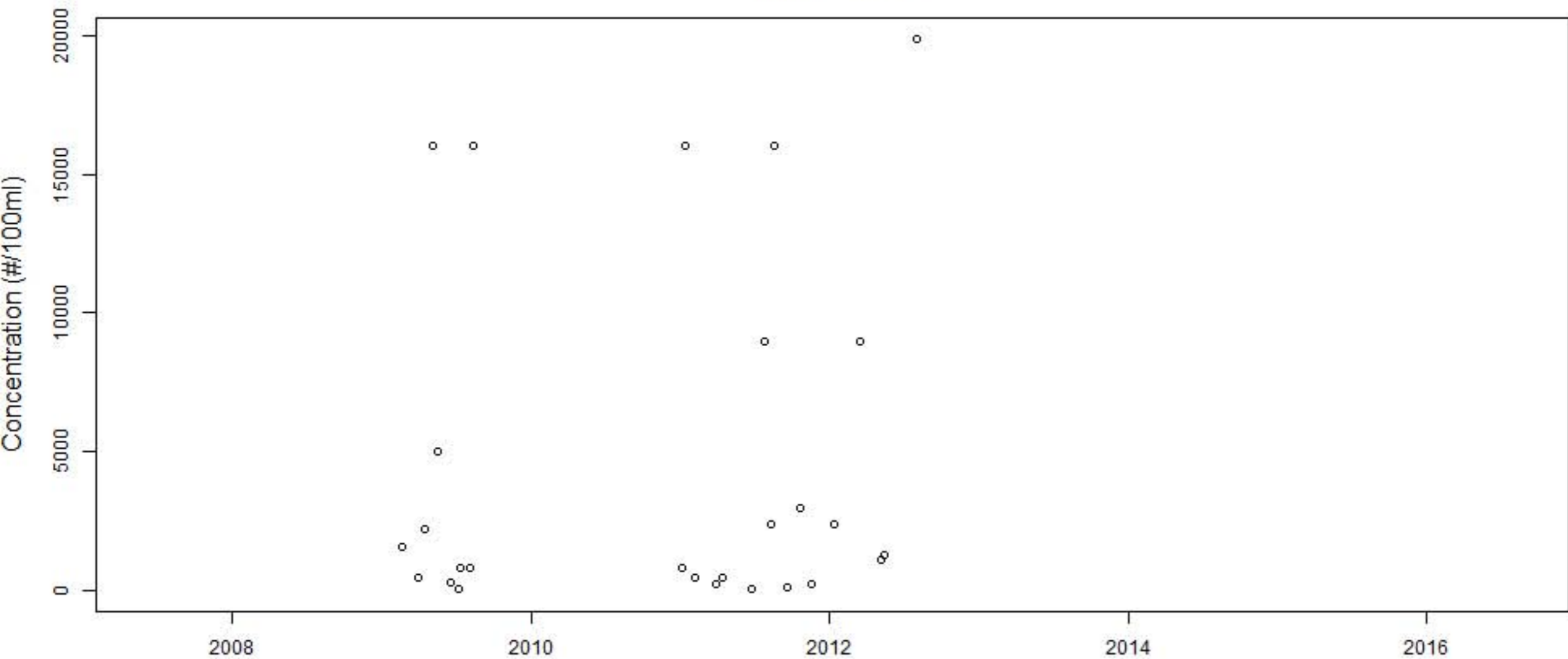
# Southside.Comp



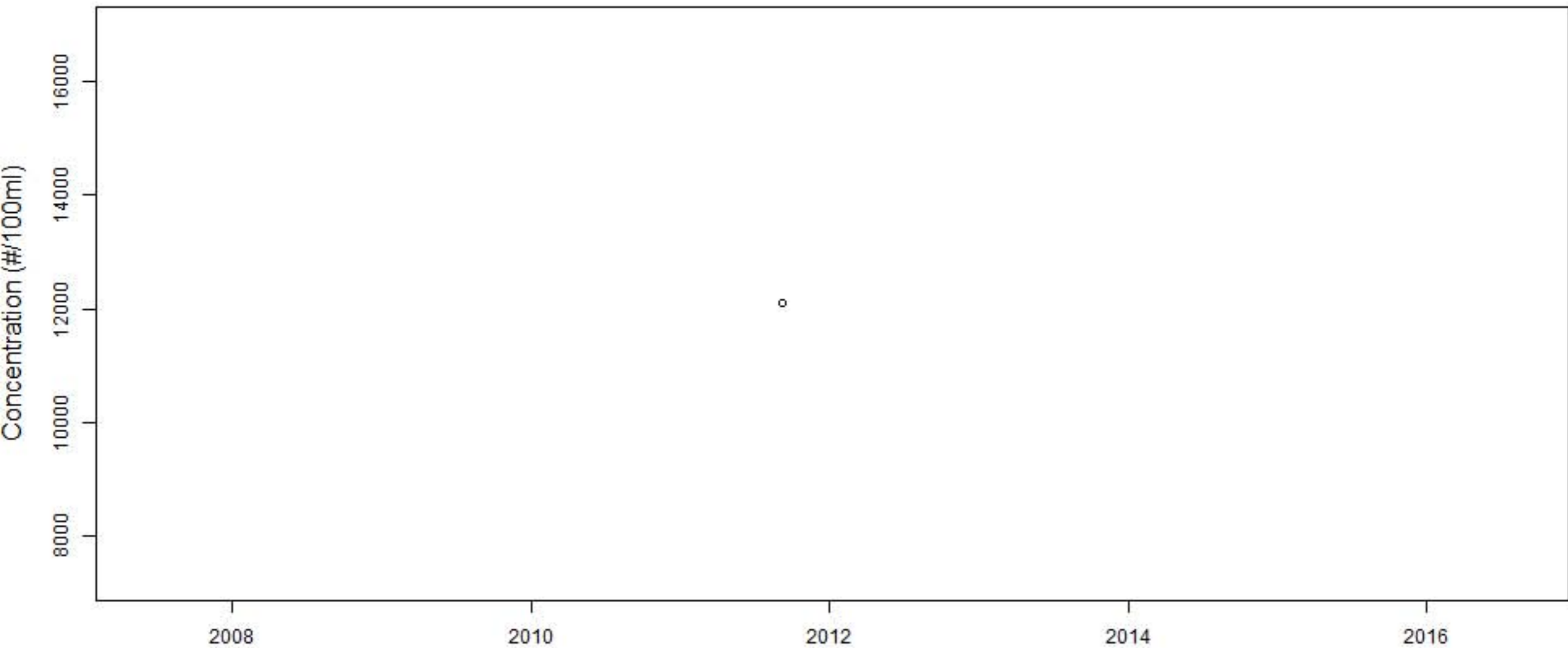
Southside.Grab.After



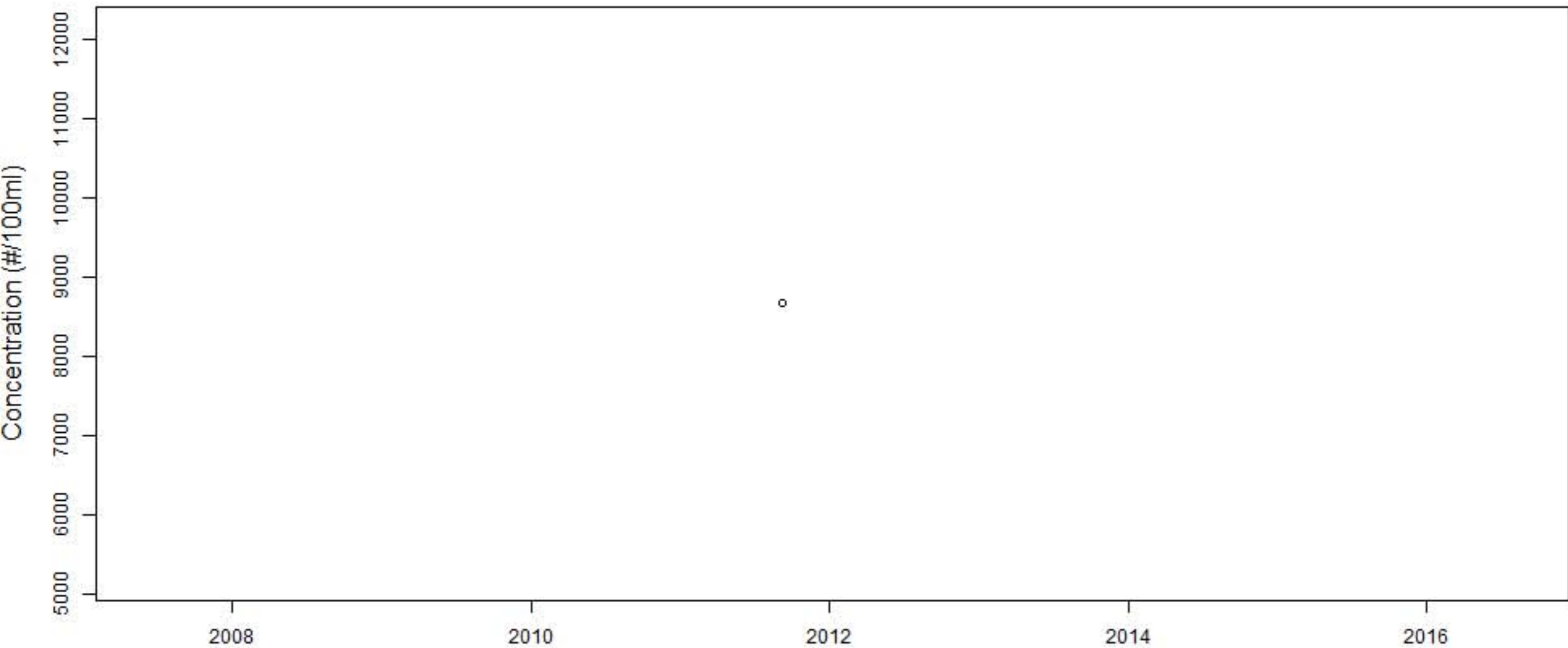
Southside.Grab



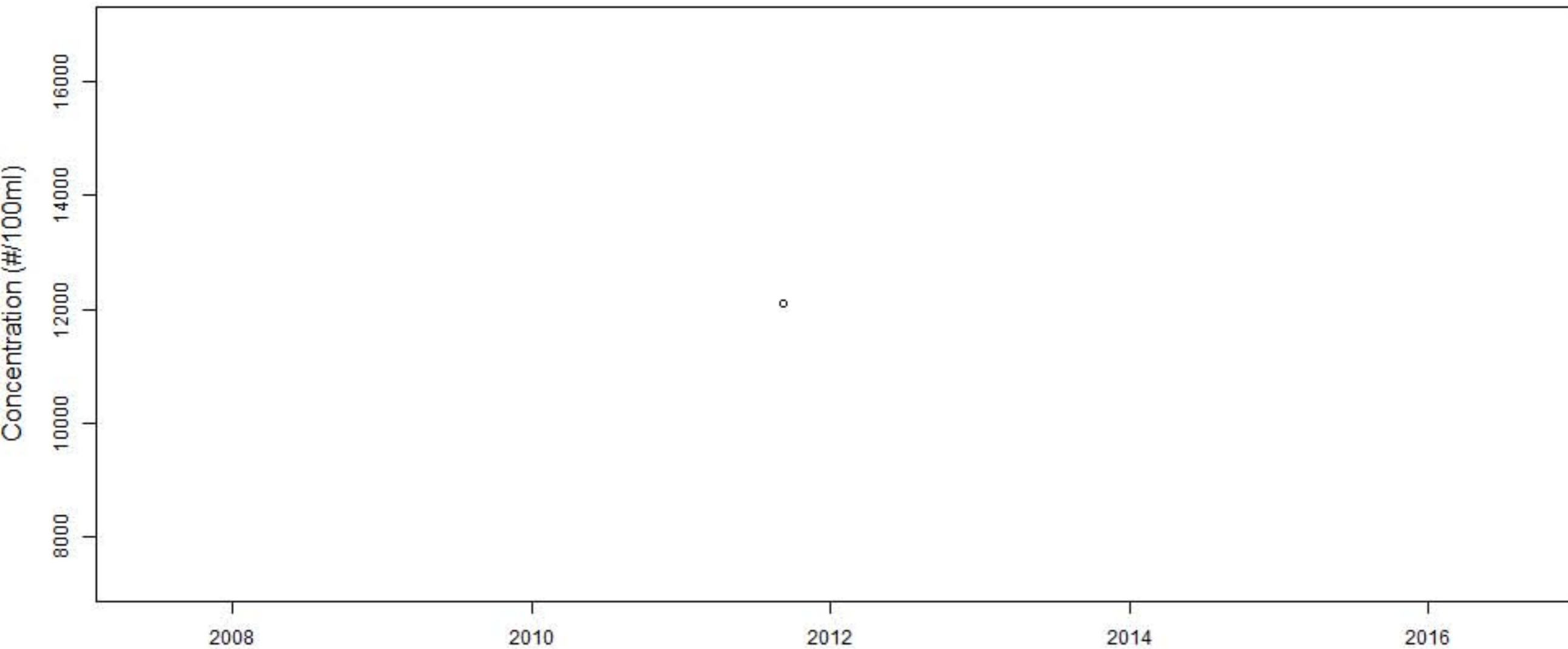
W.1



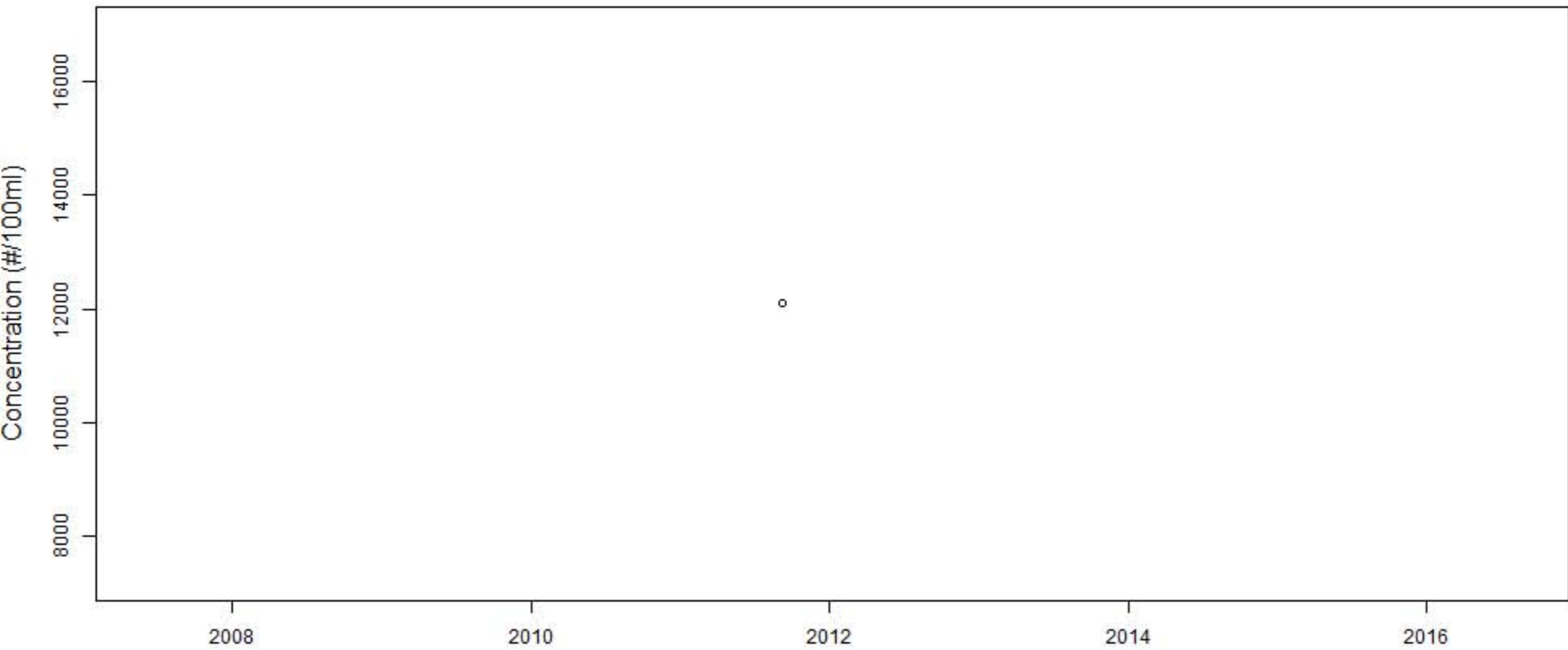
W.2



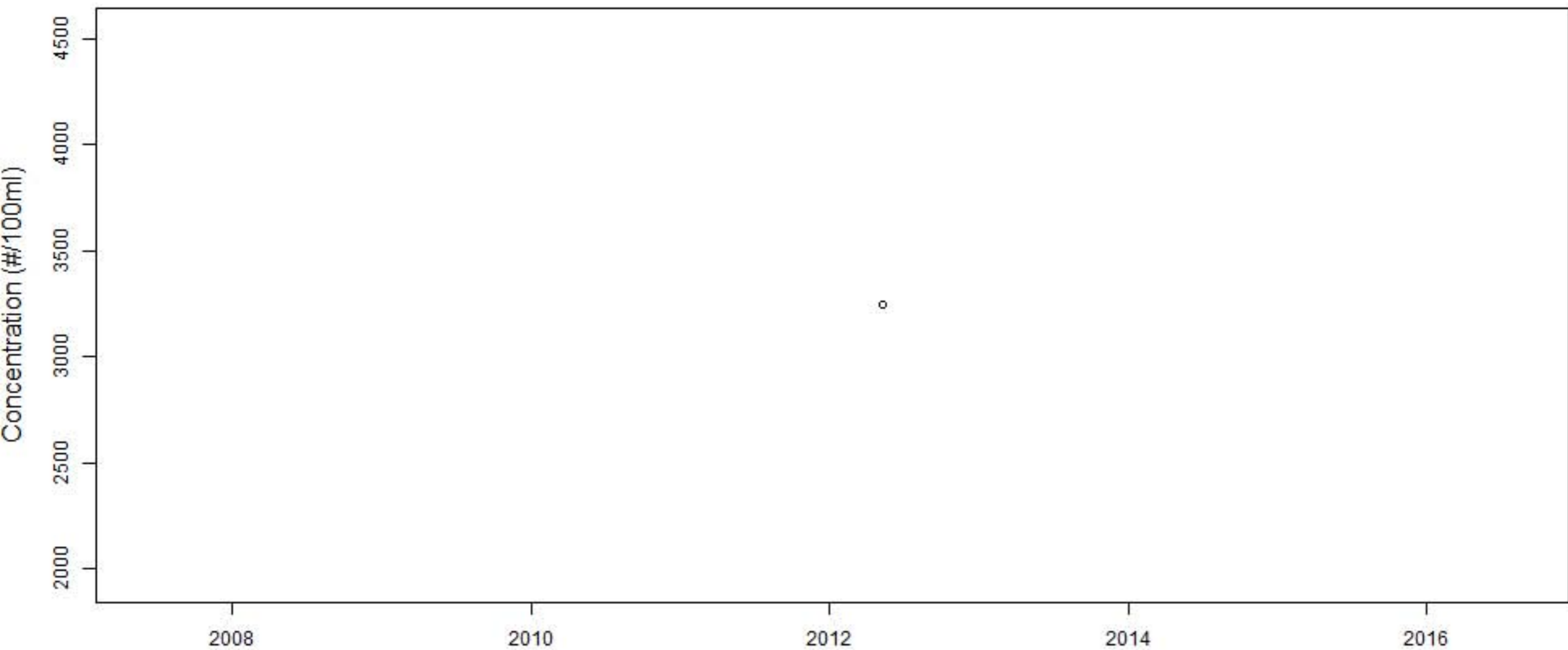
W.3



W.4

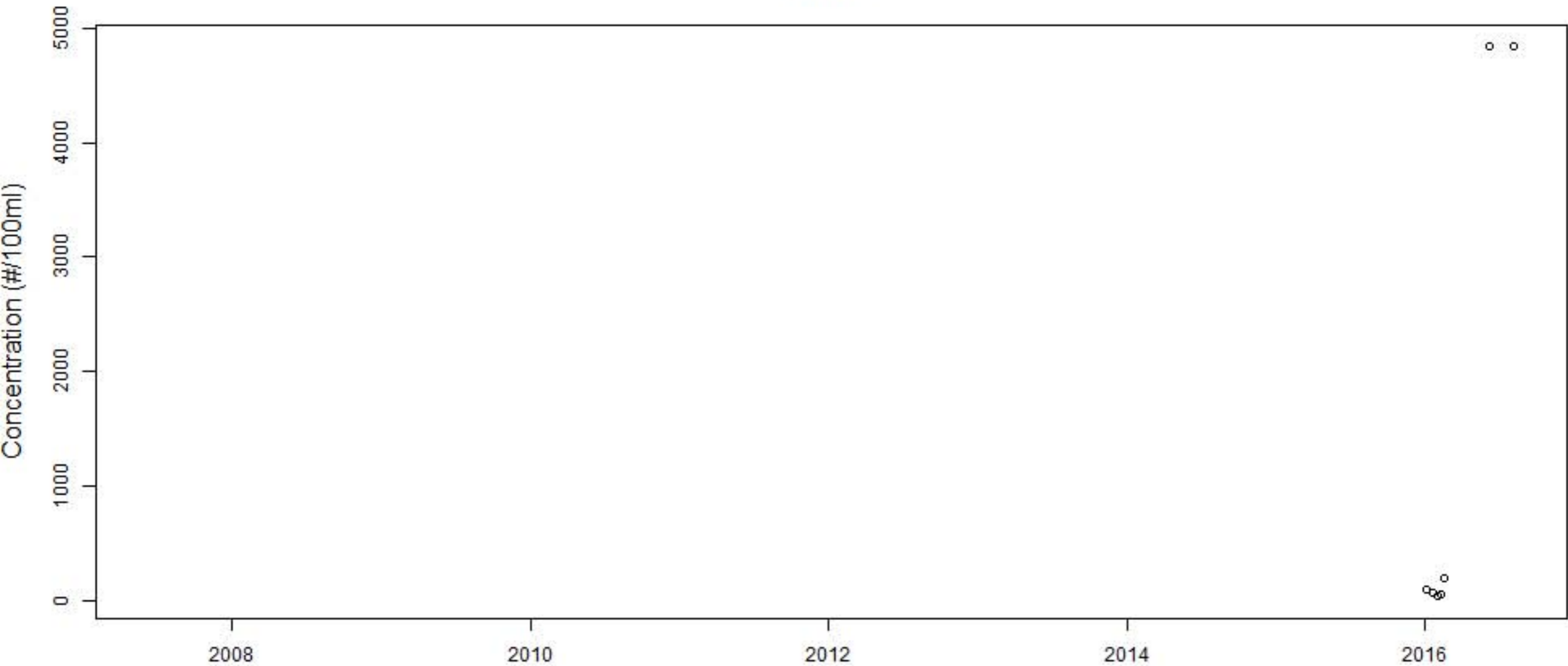


W2

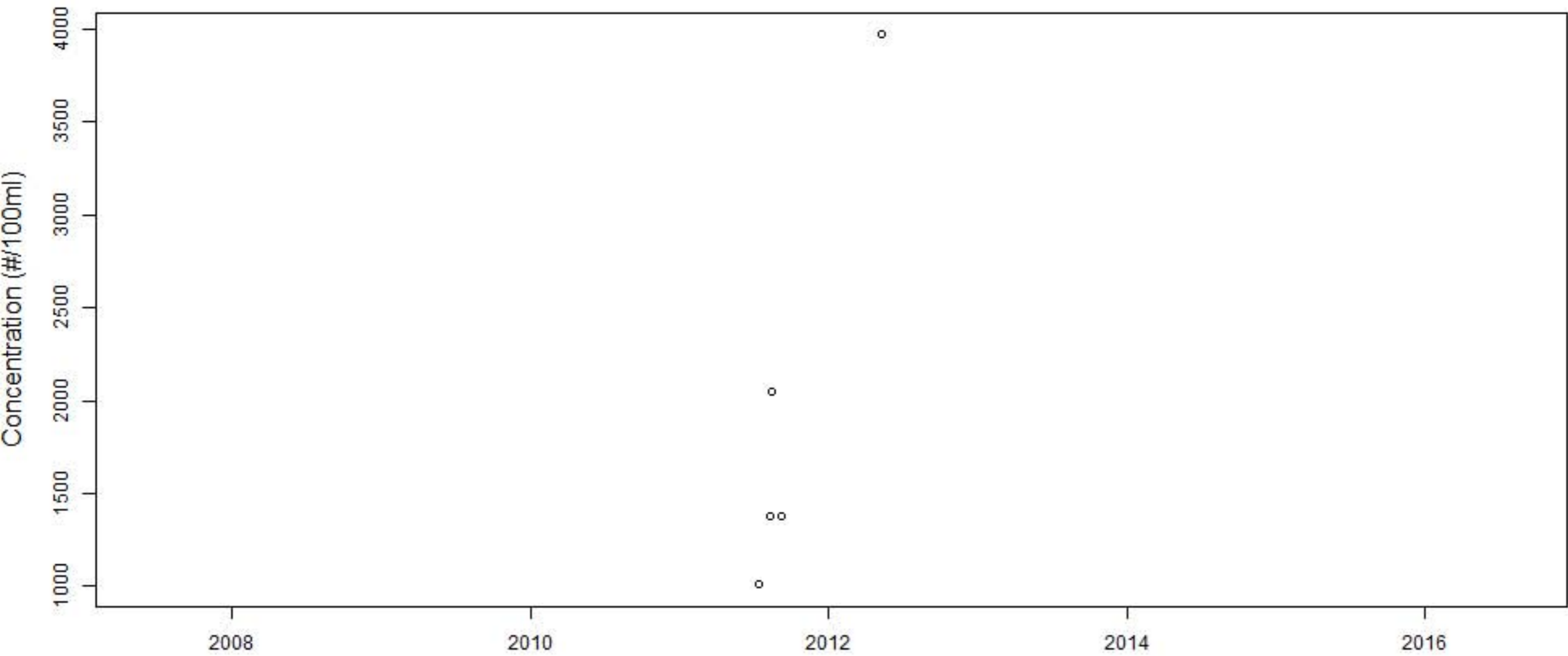




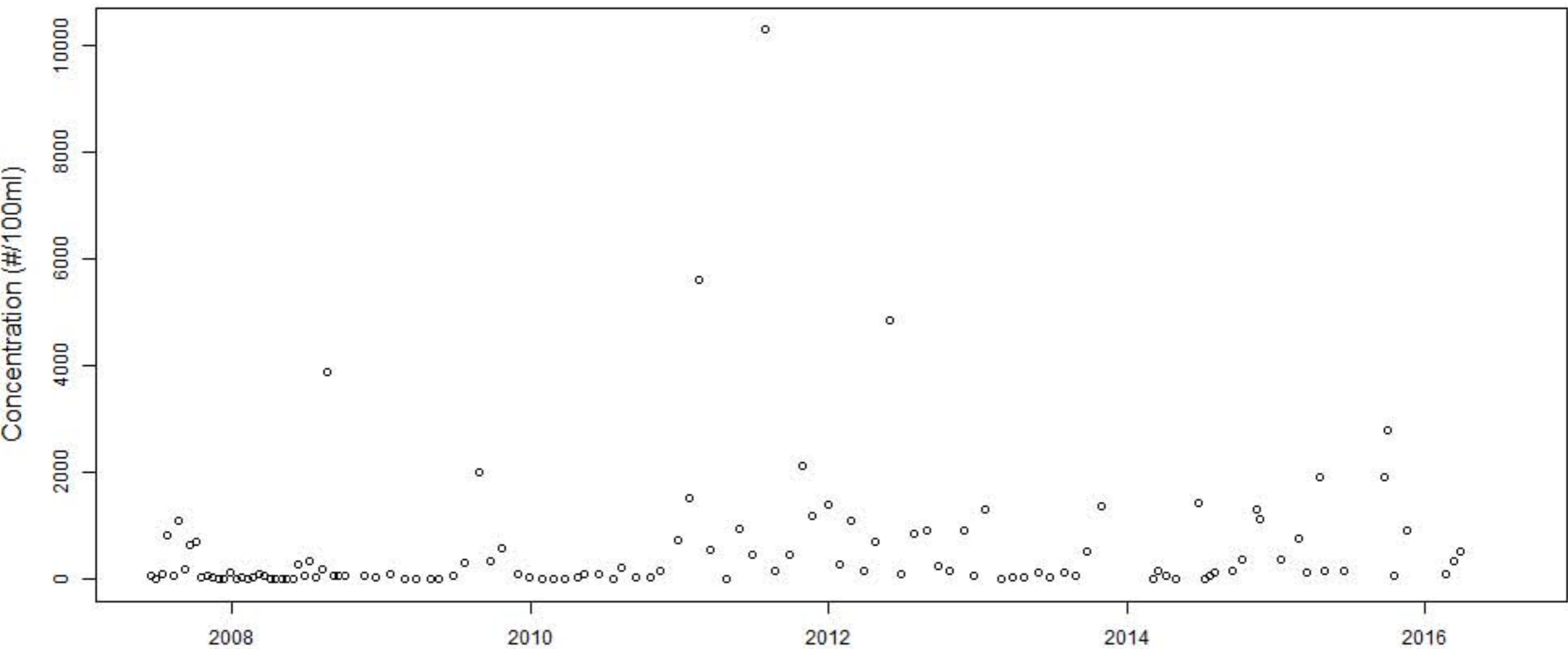
# WM278



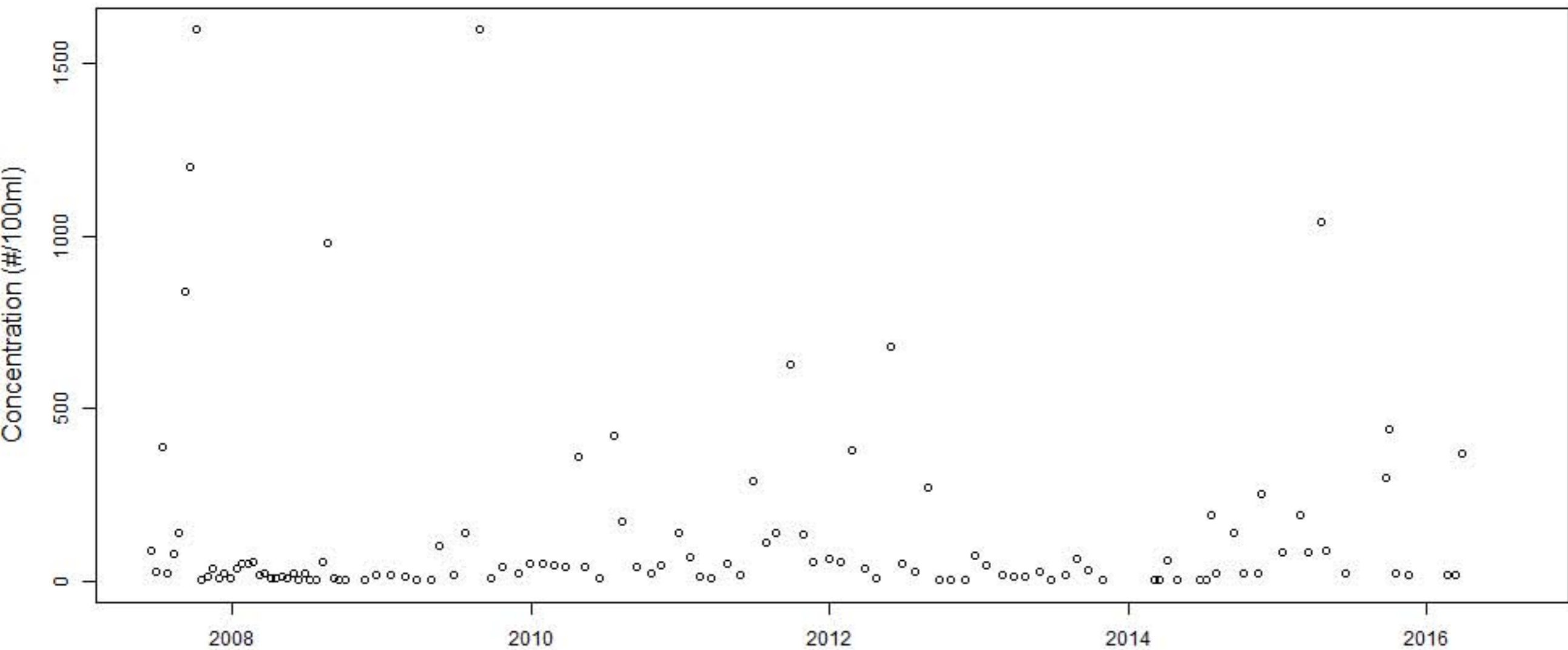
WOP



X1

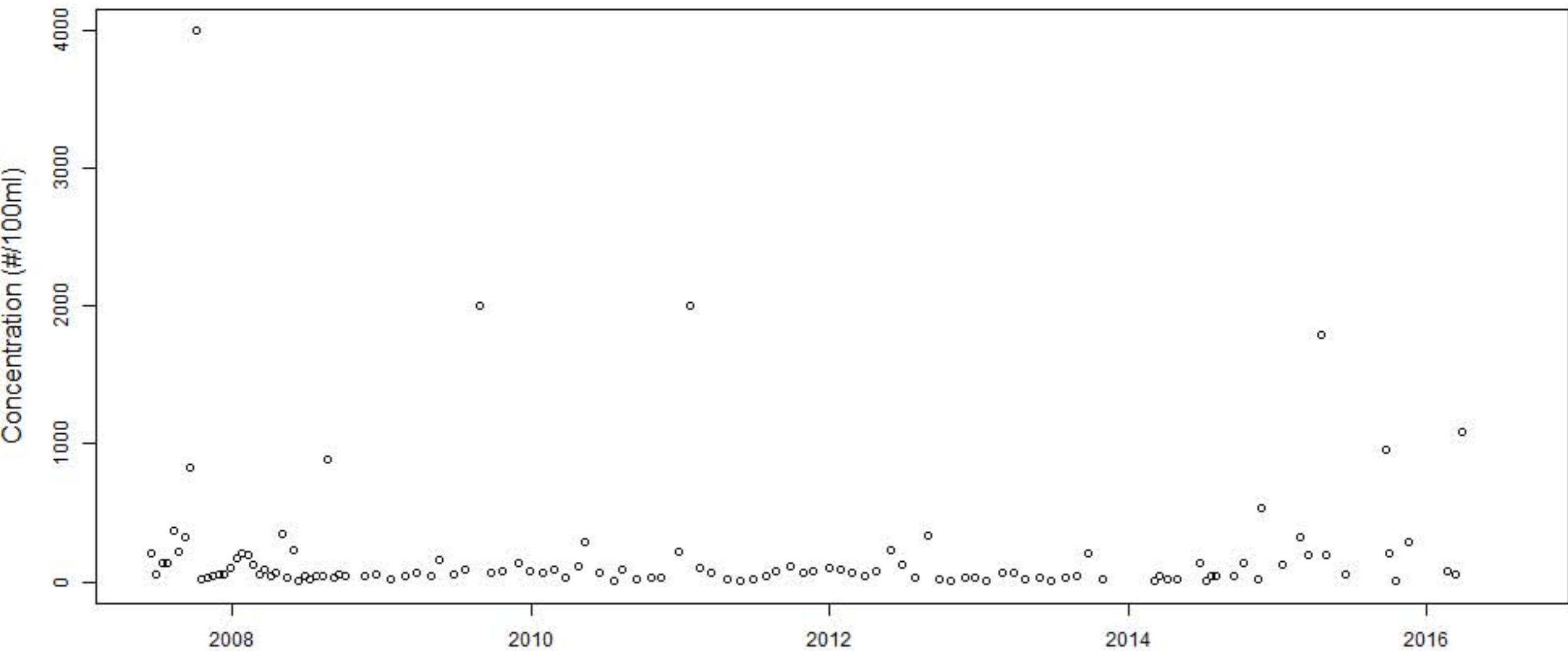


X10



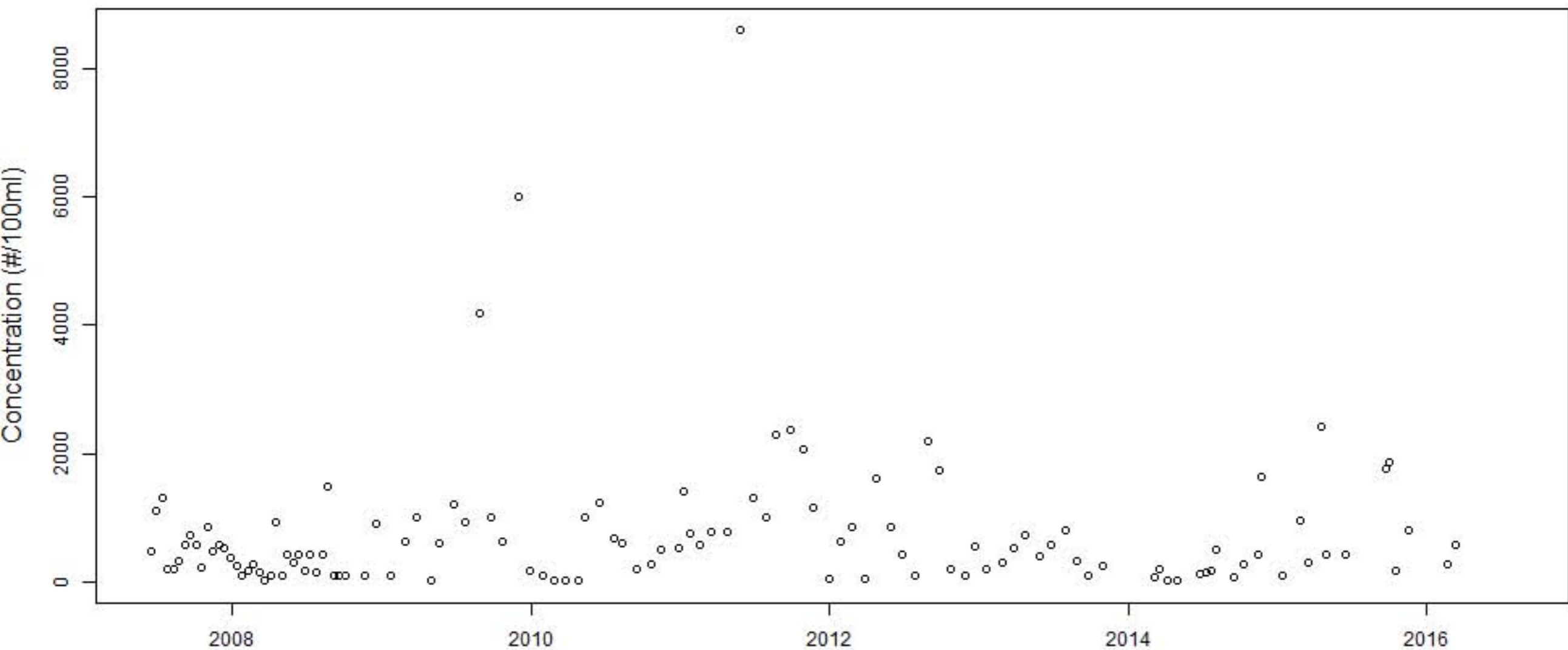


X12



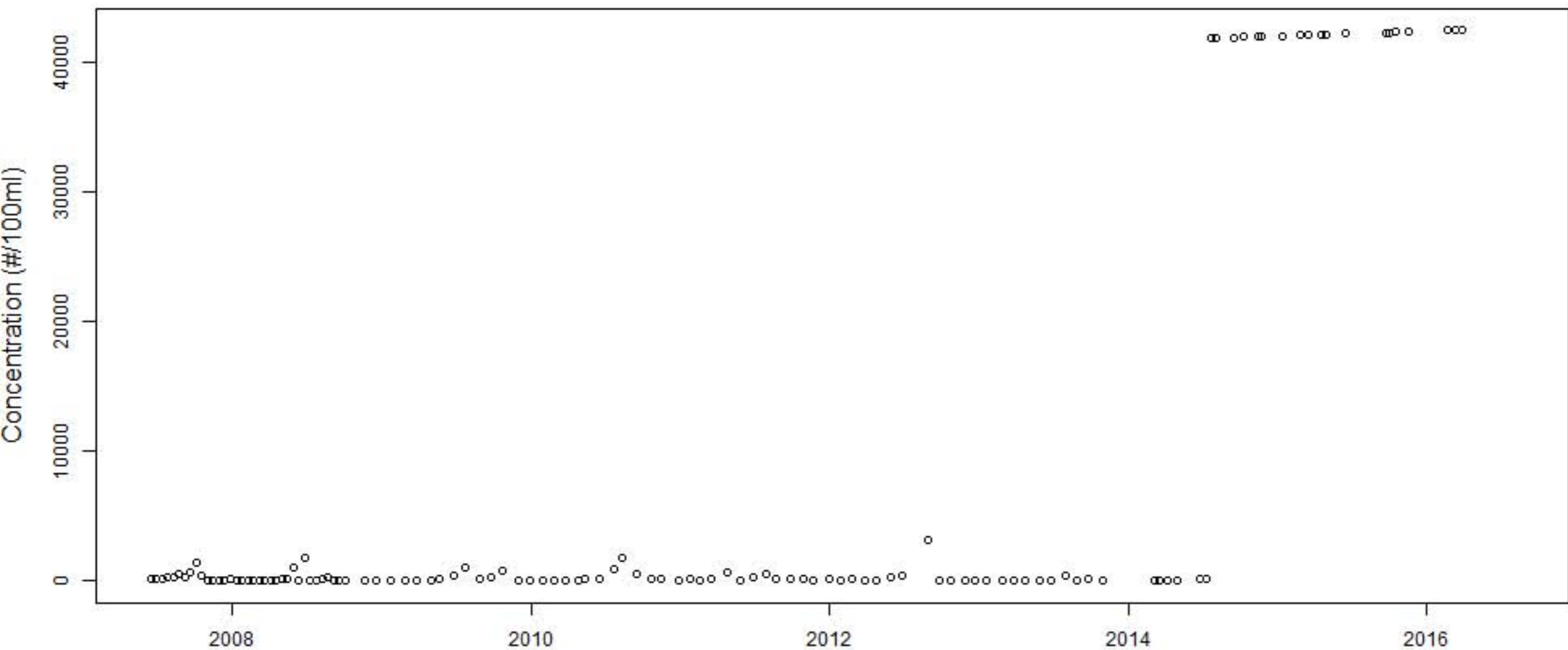


X14

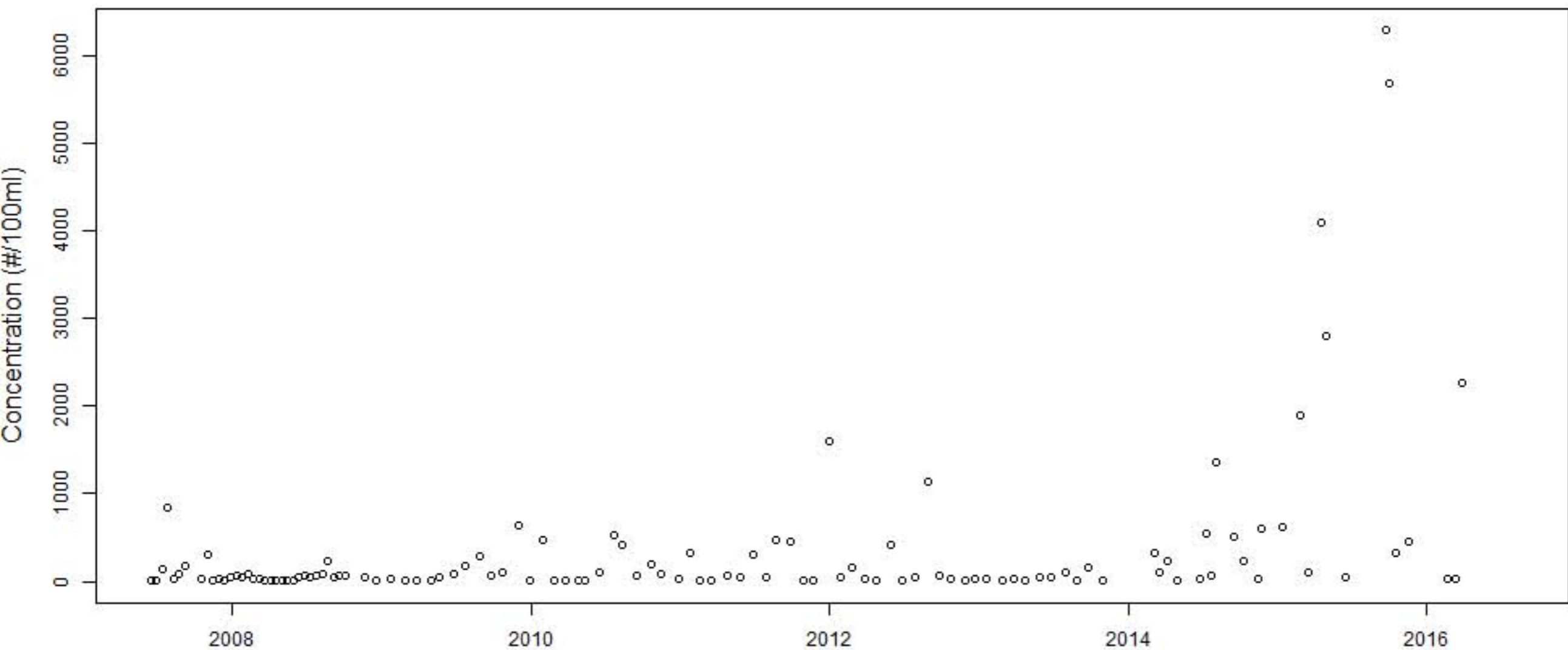




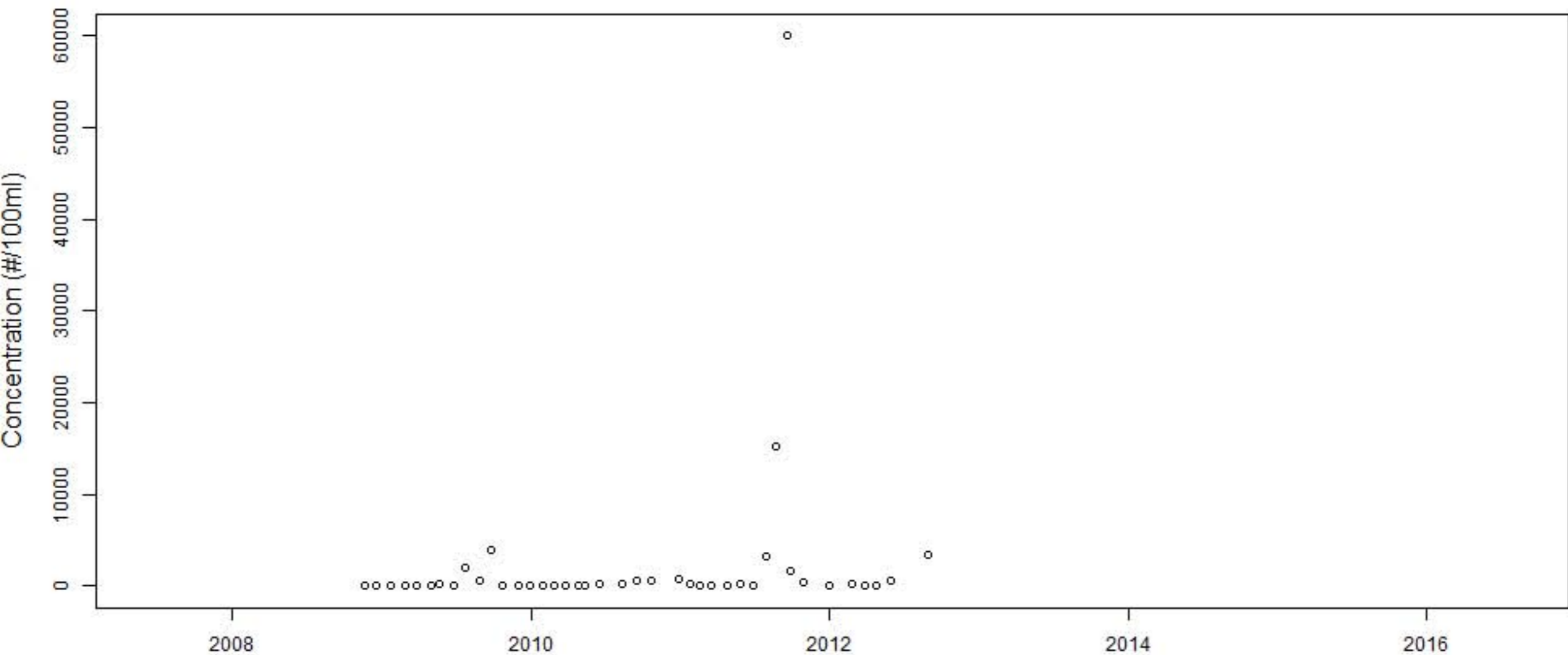
X15



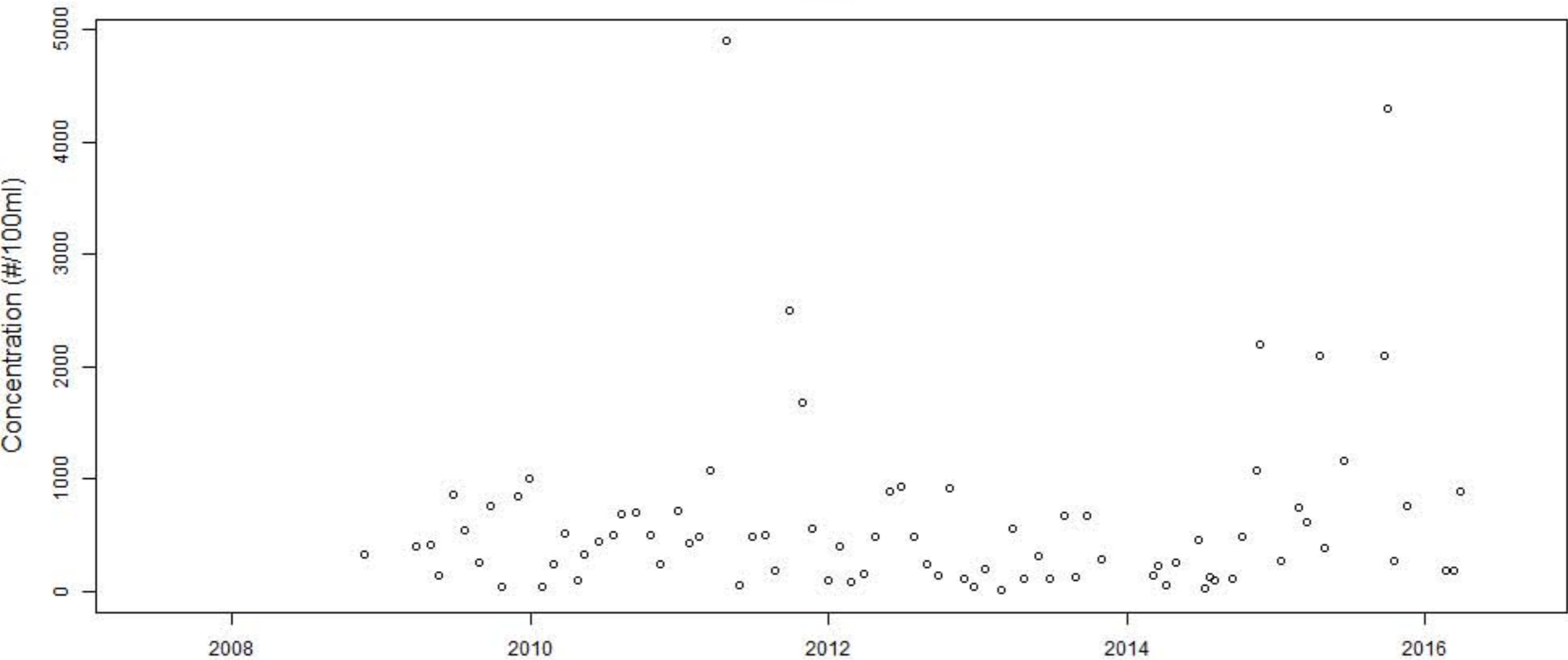
X16



X17

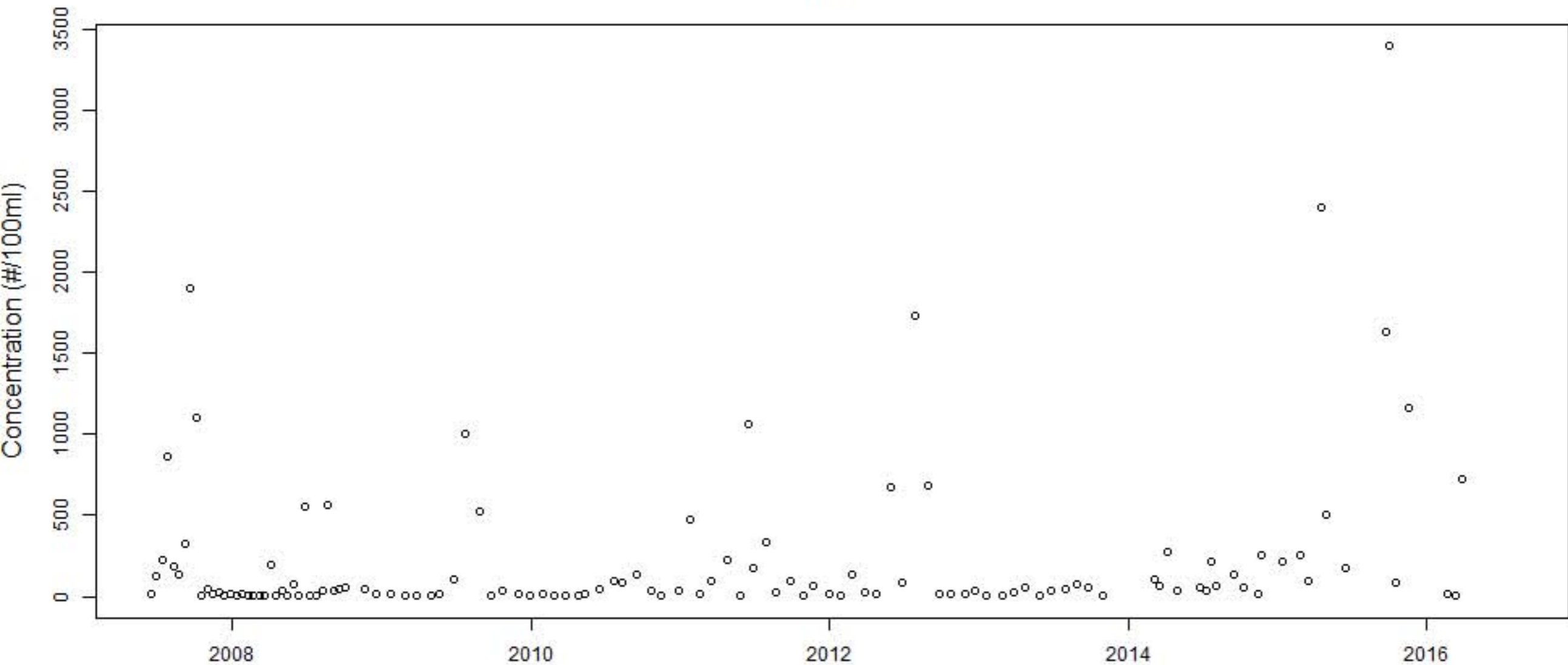


X18

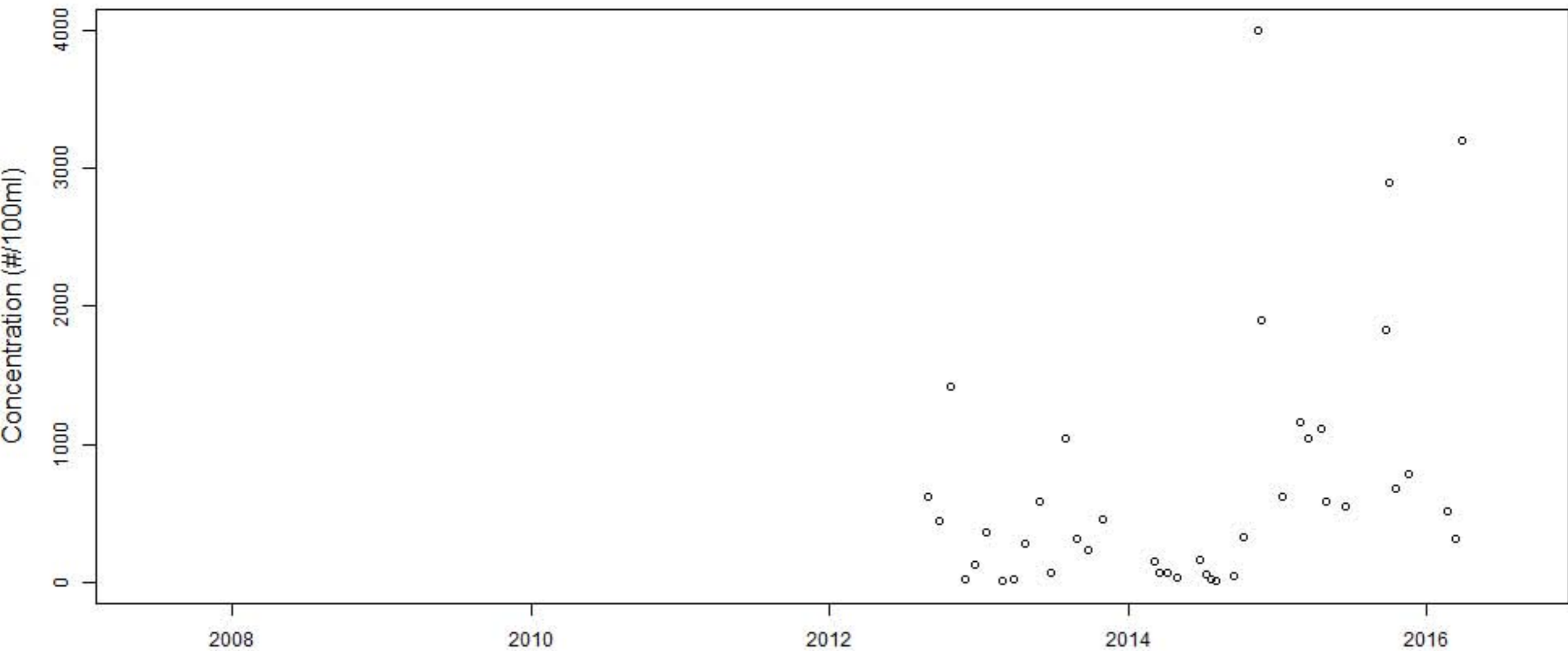




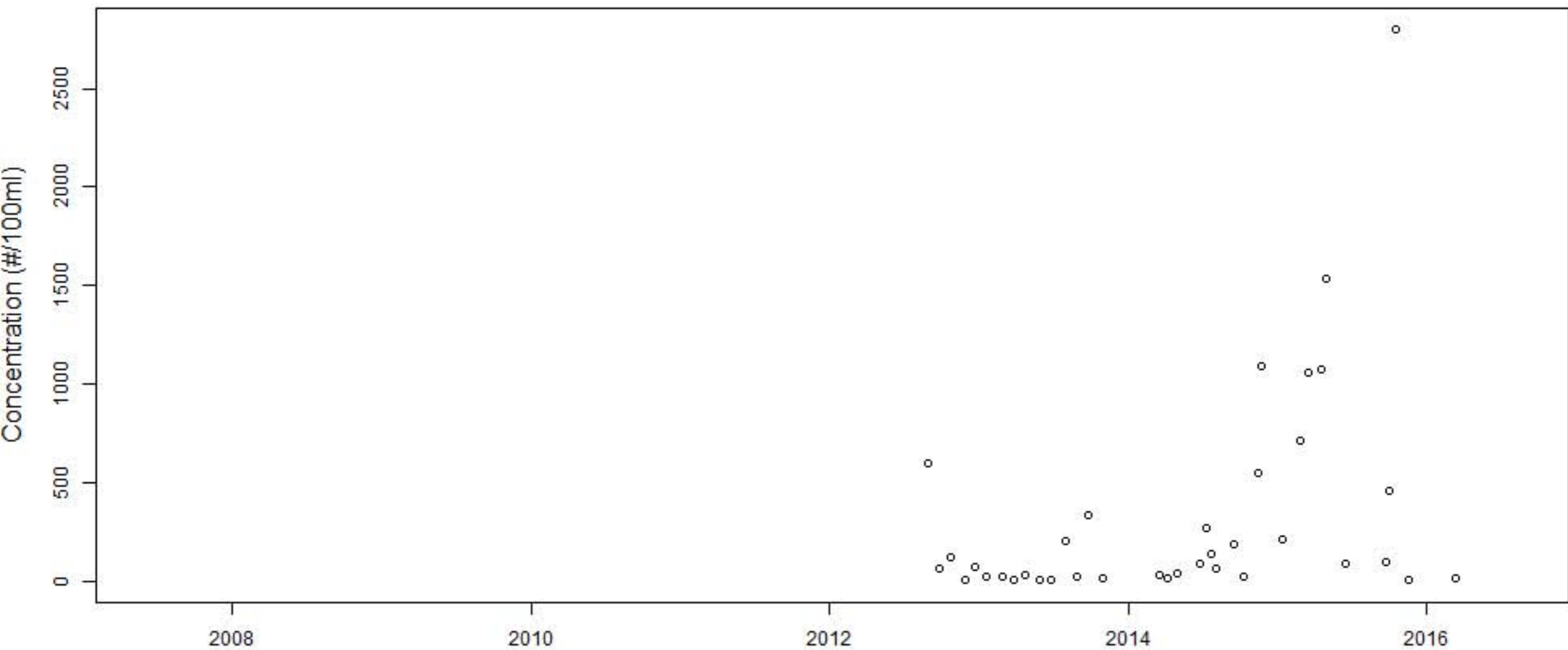
X2



X20

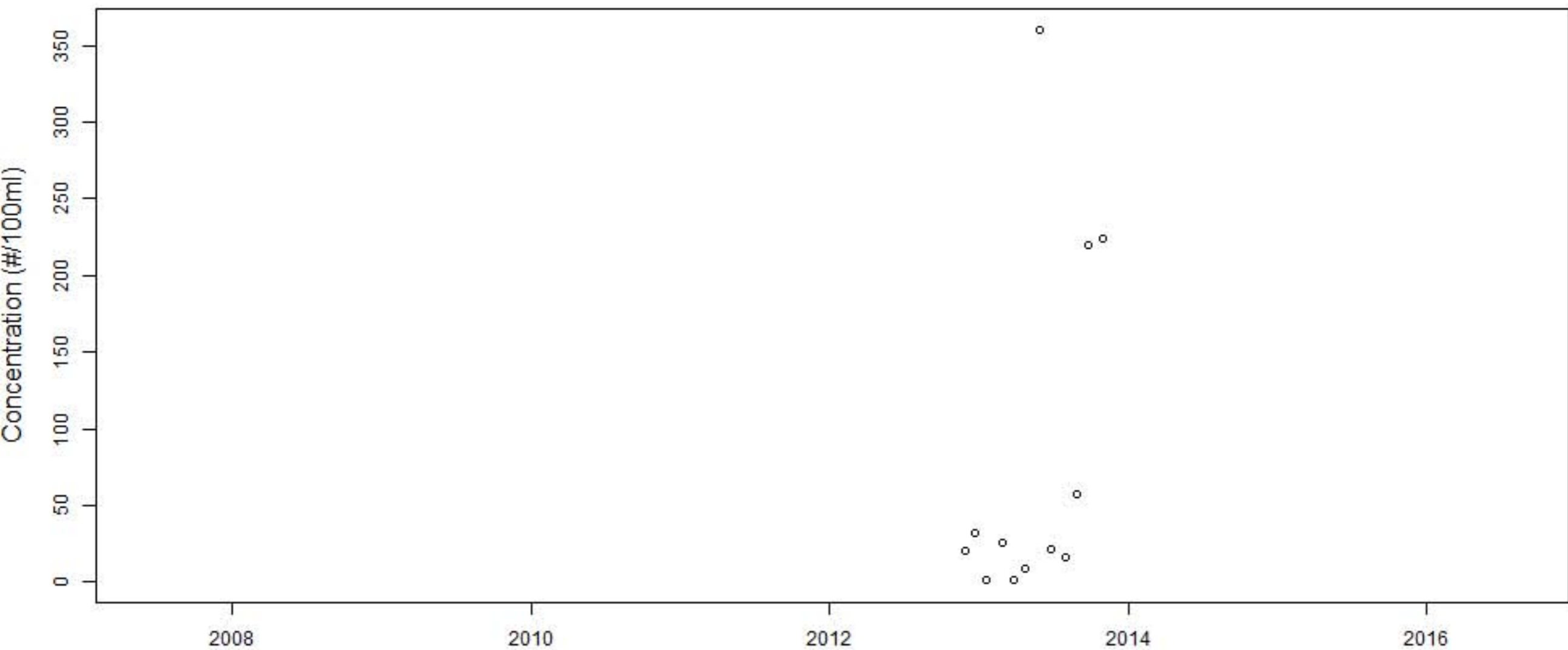


X21

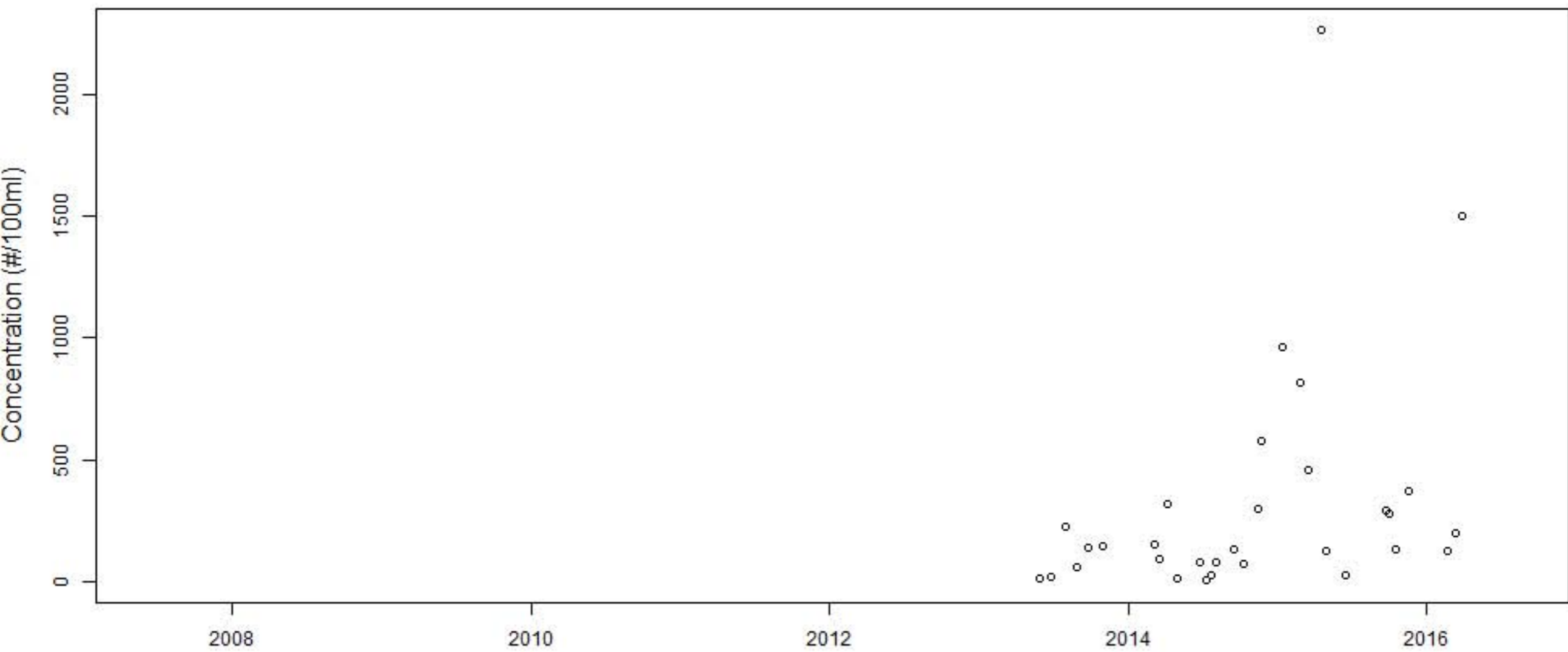




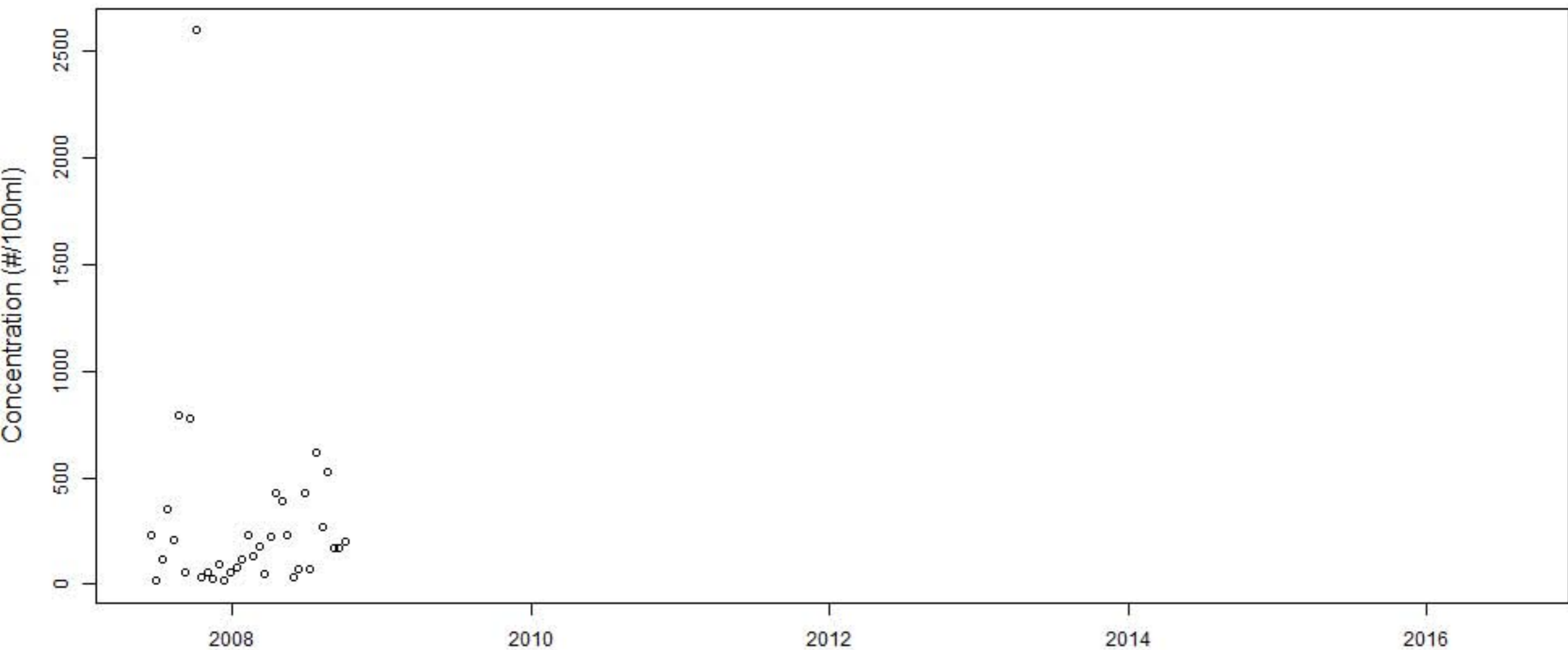
X22



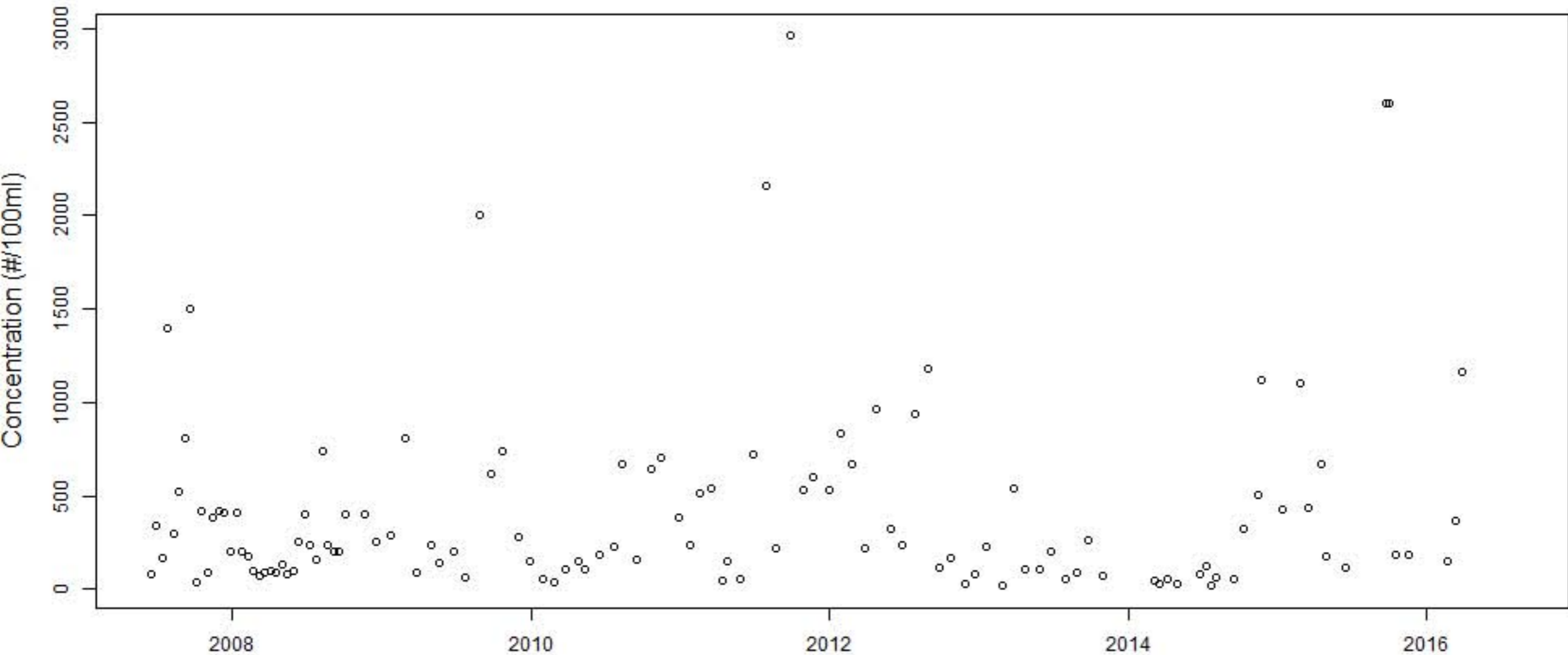
X23



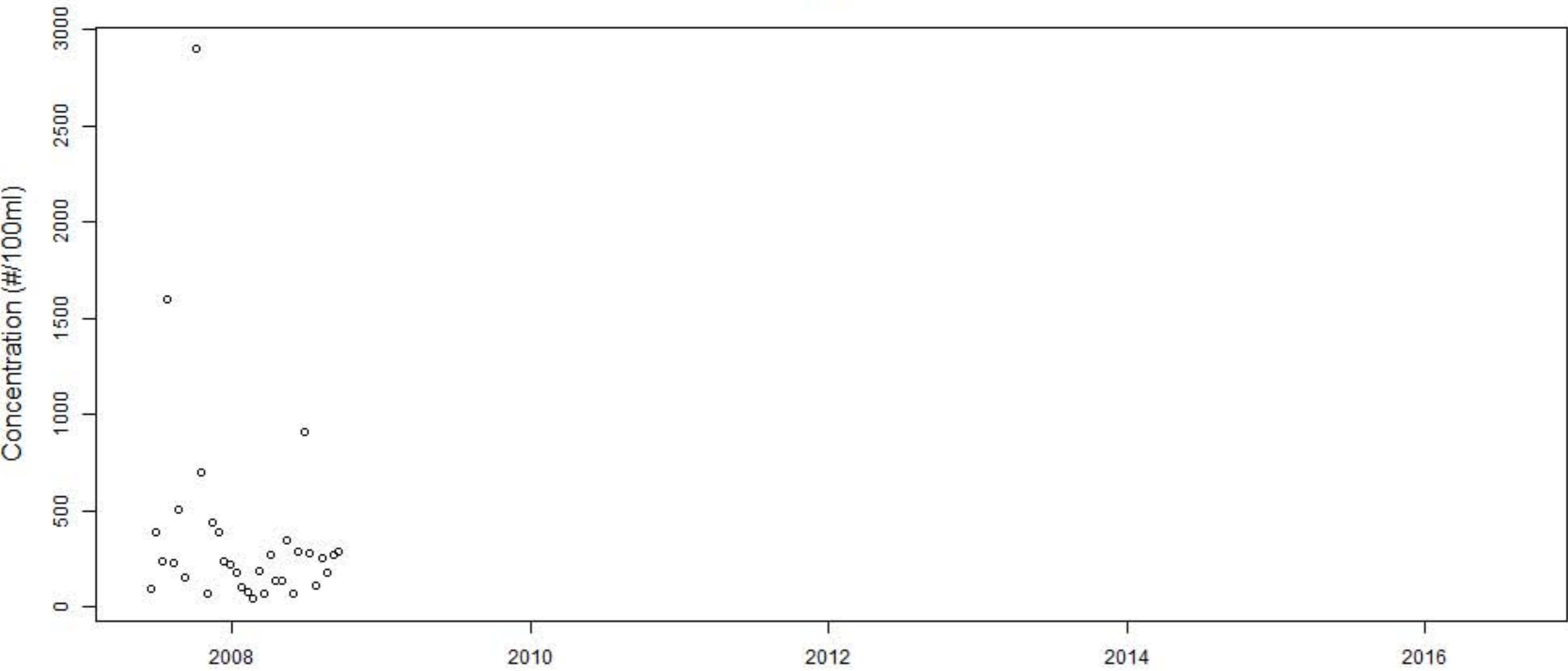
X3



X4

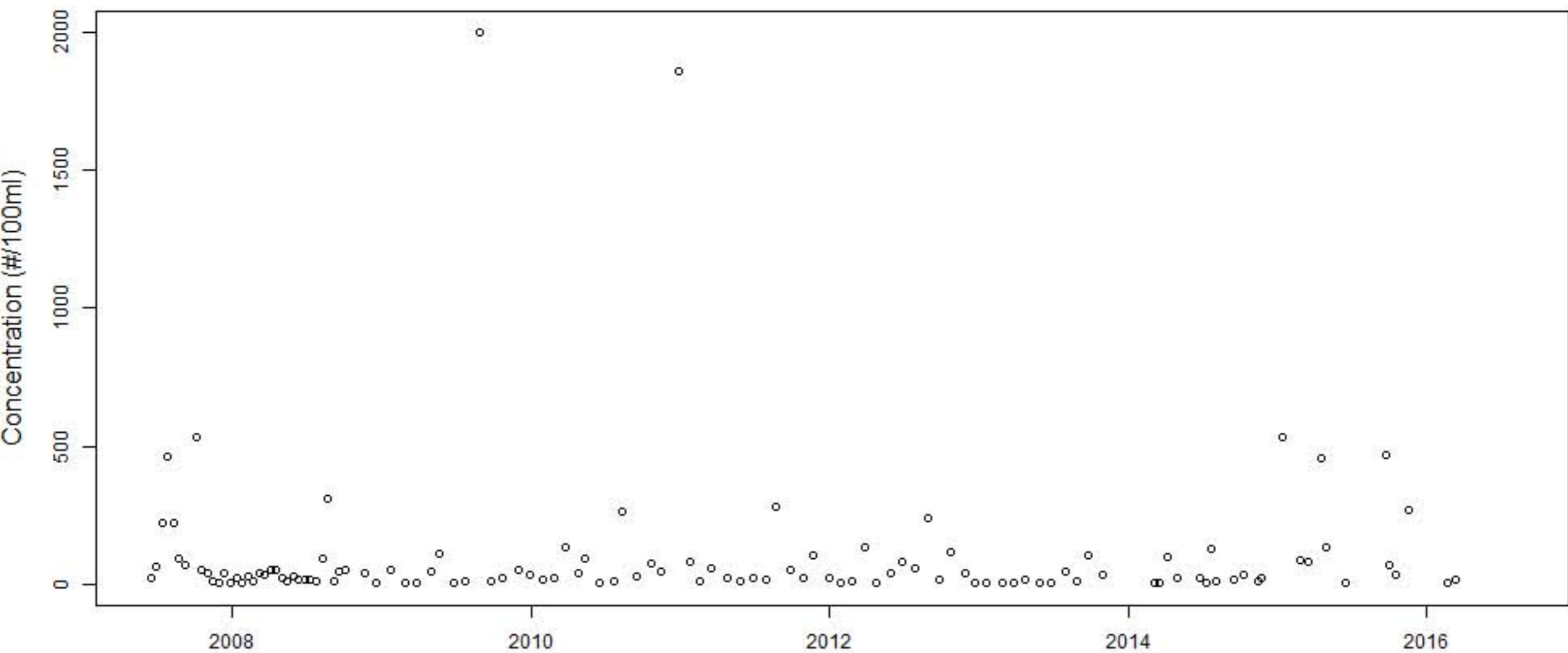


X5

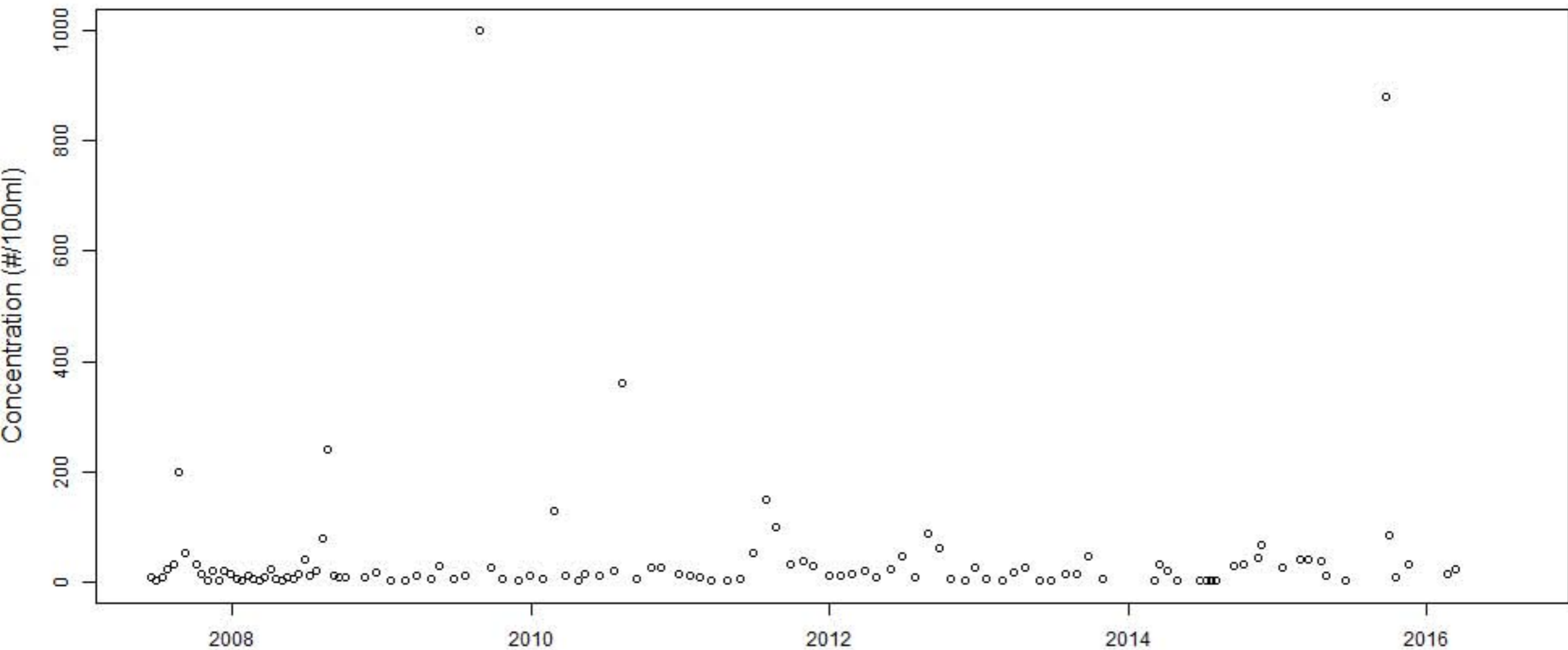




X7



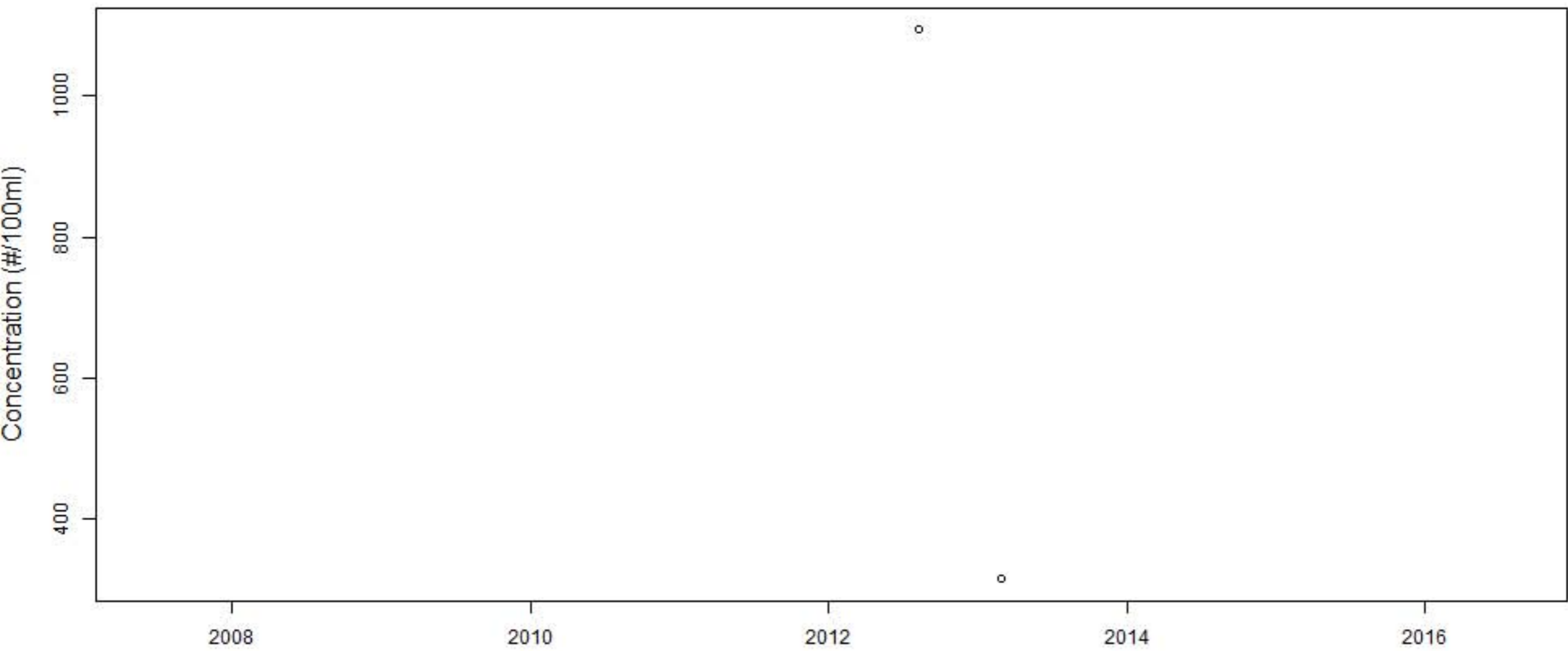
X8





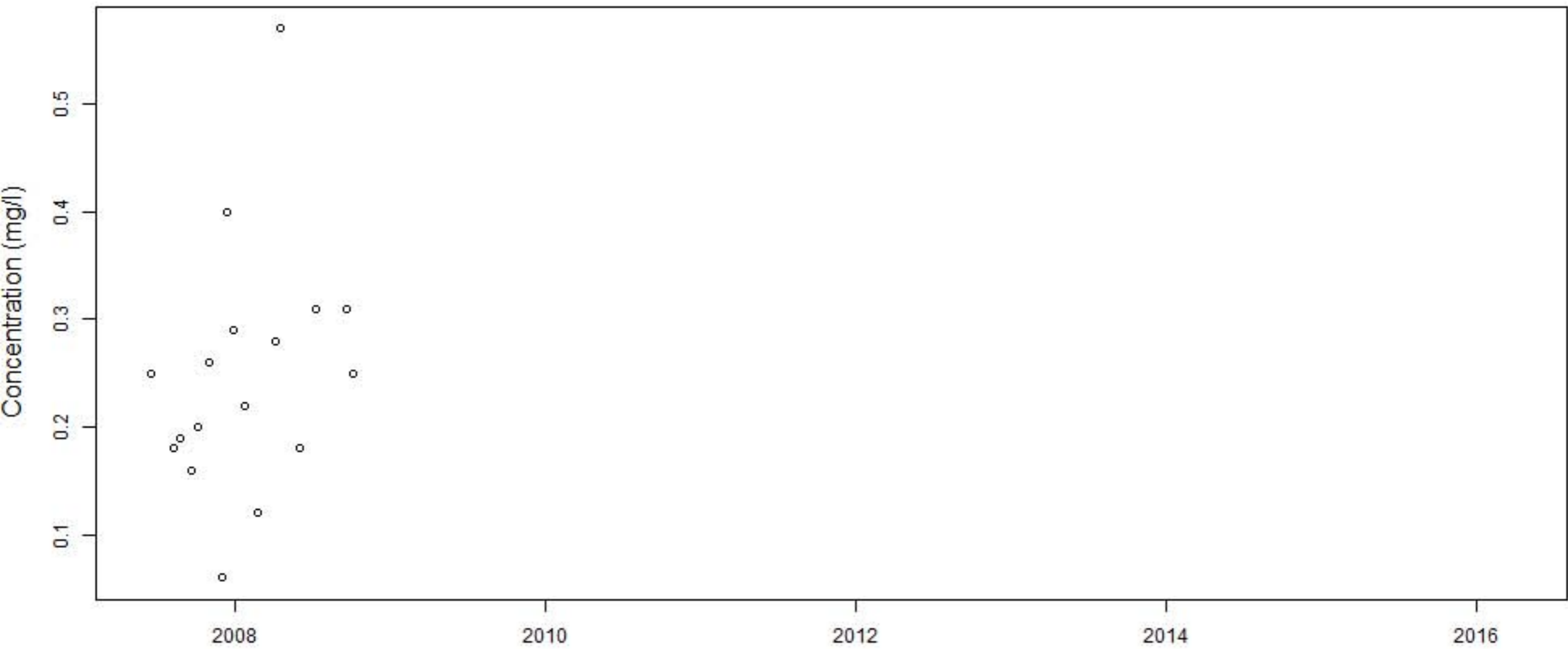


YD

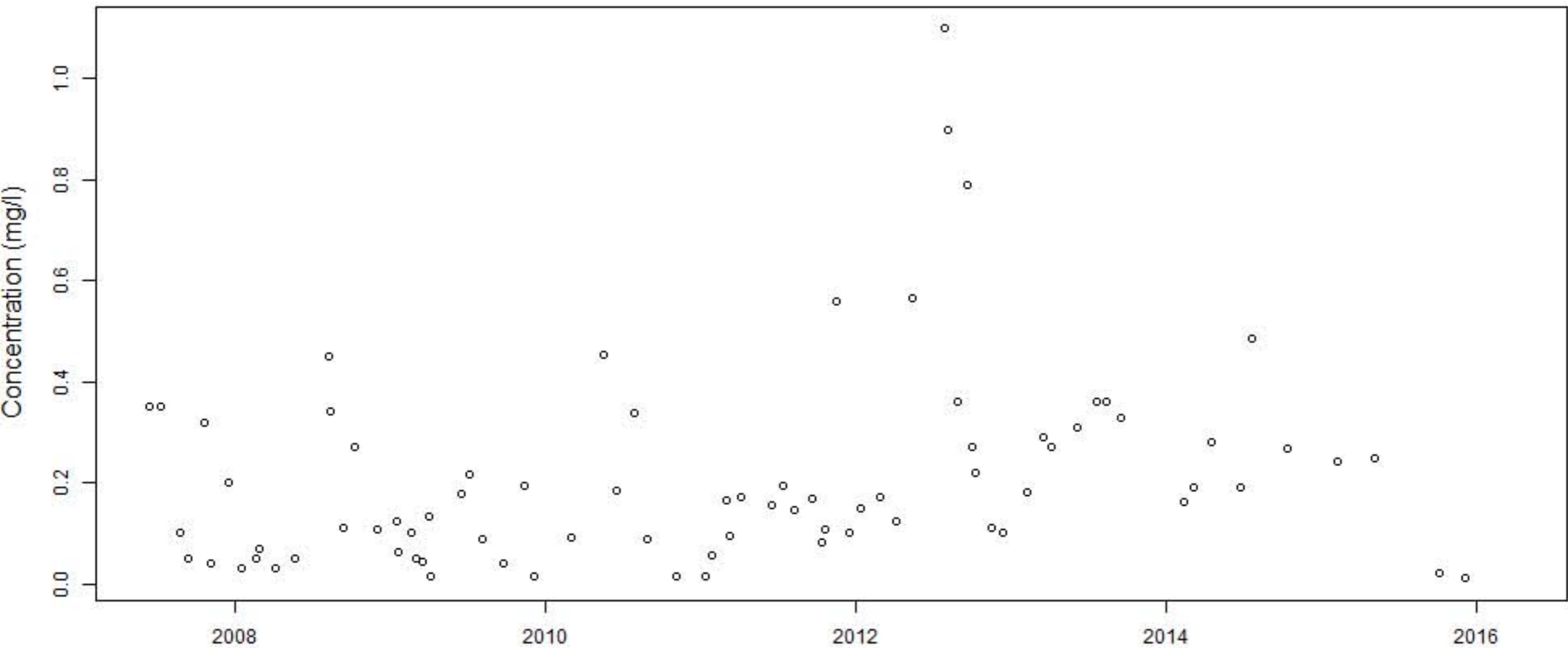


Timeseries of  
Ammonia  
Water Quality Data  
Collected at  
Beaufort County Stations

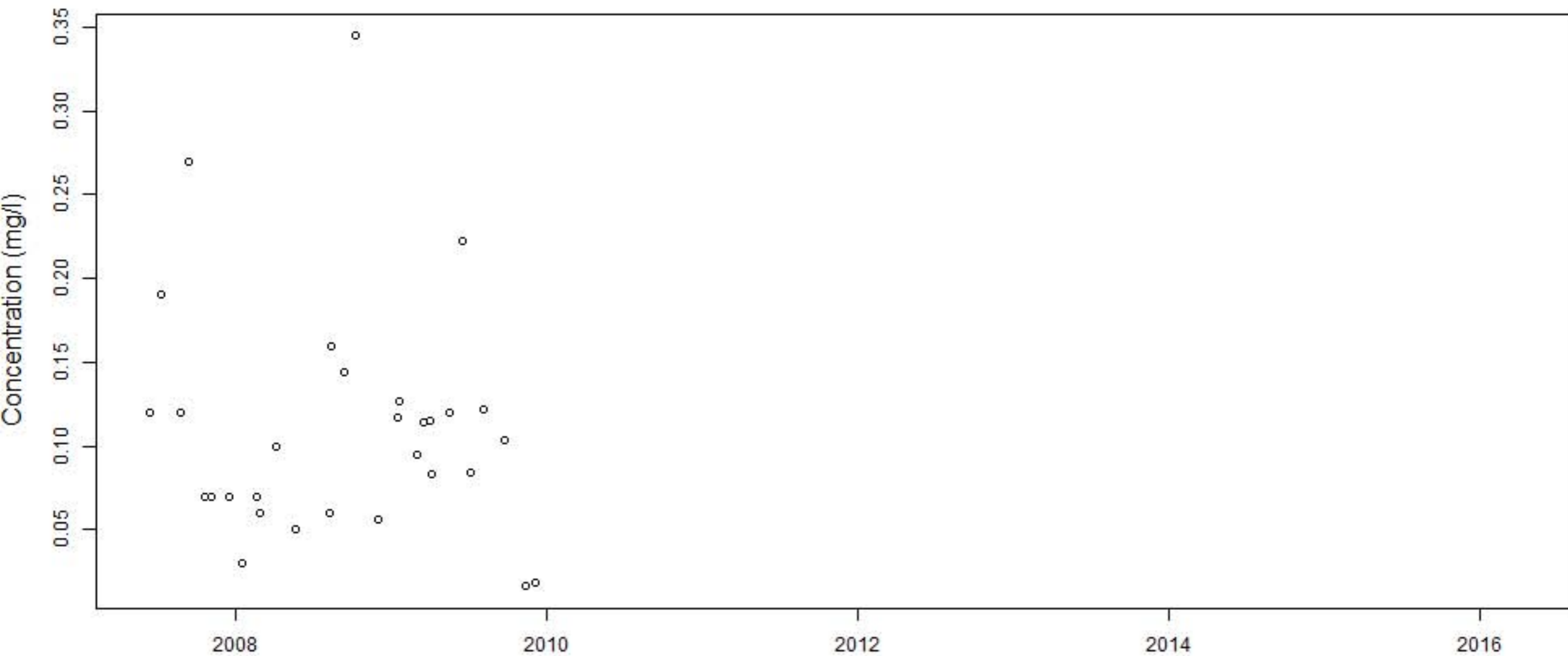
# ASHMORE



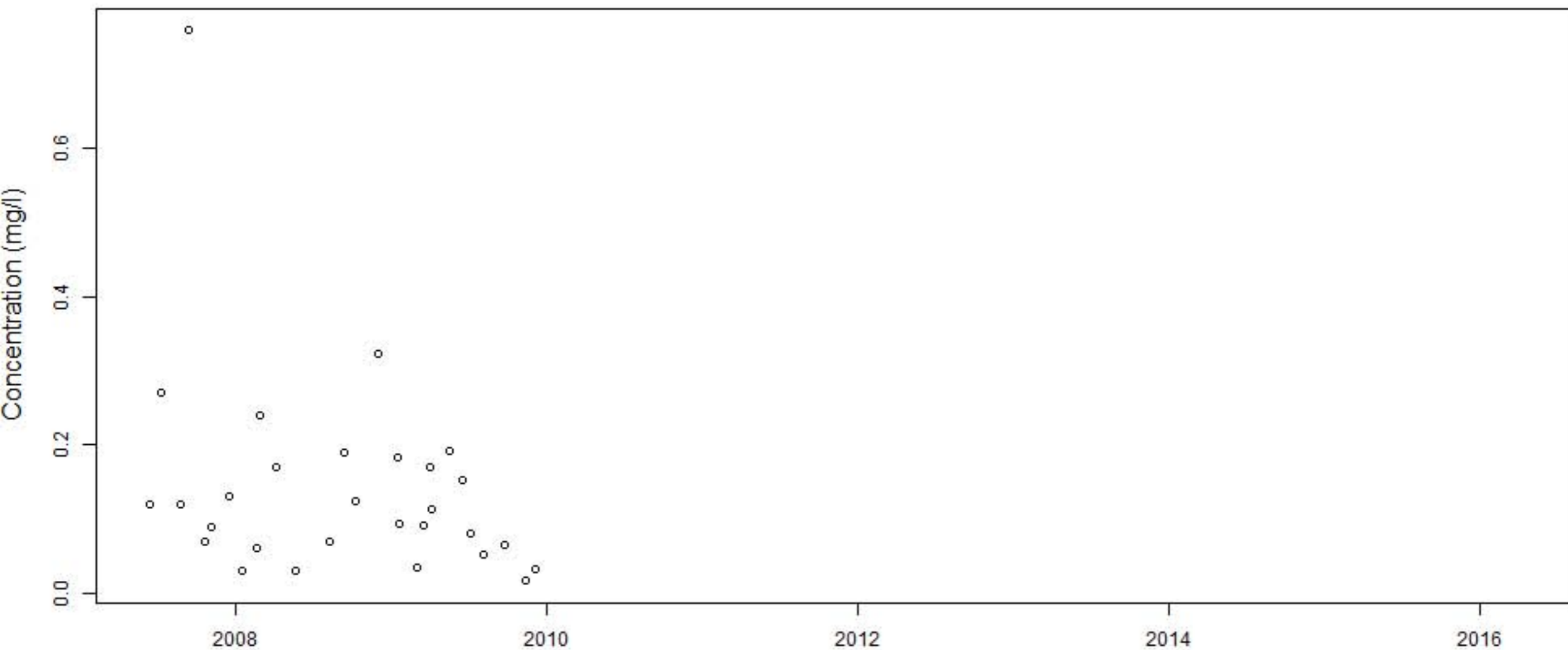
# BECY.1



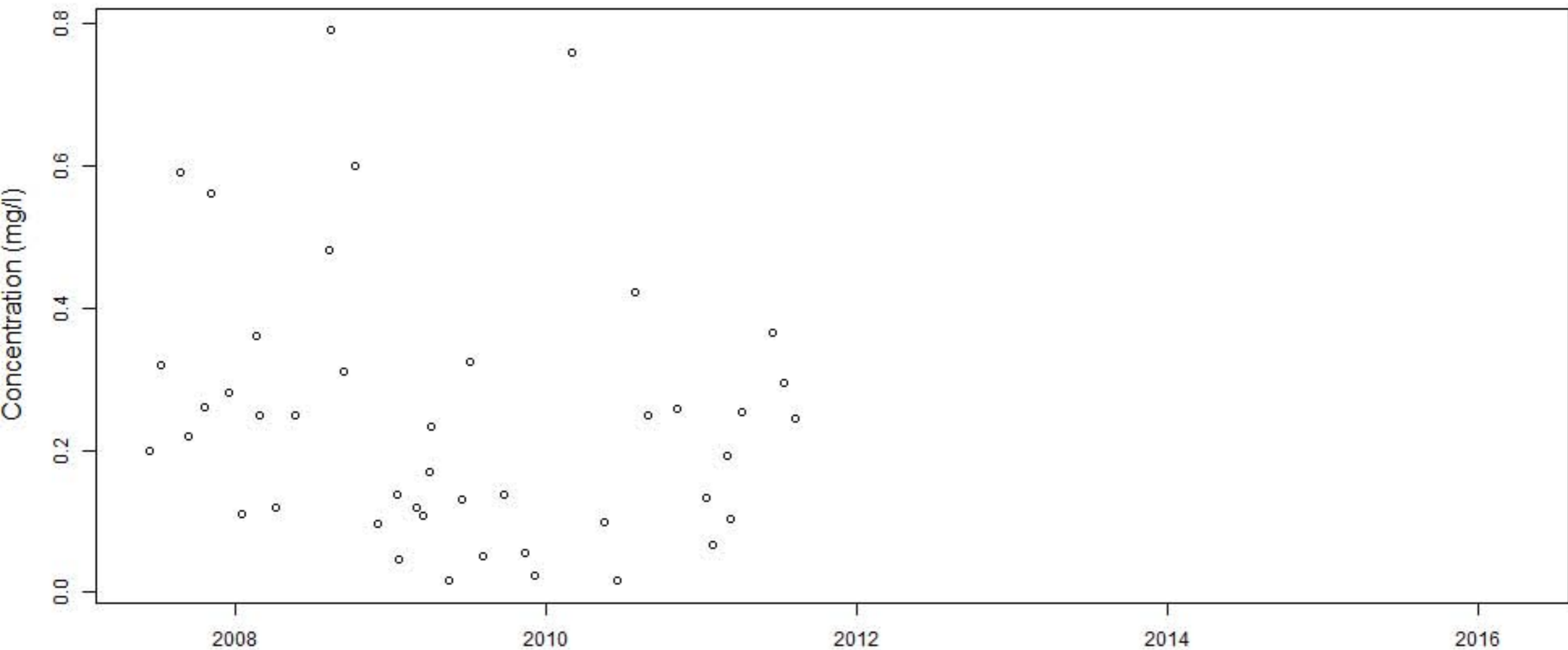
# BECY.10



# BECY.11

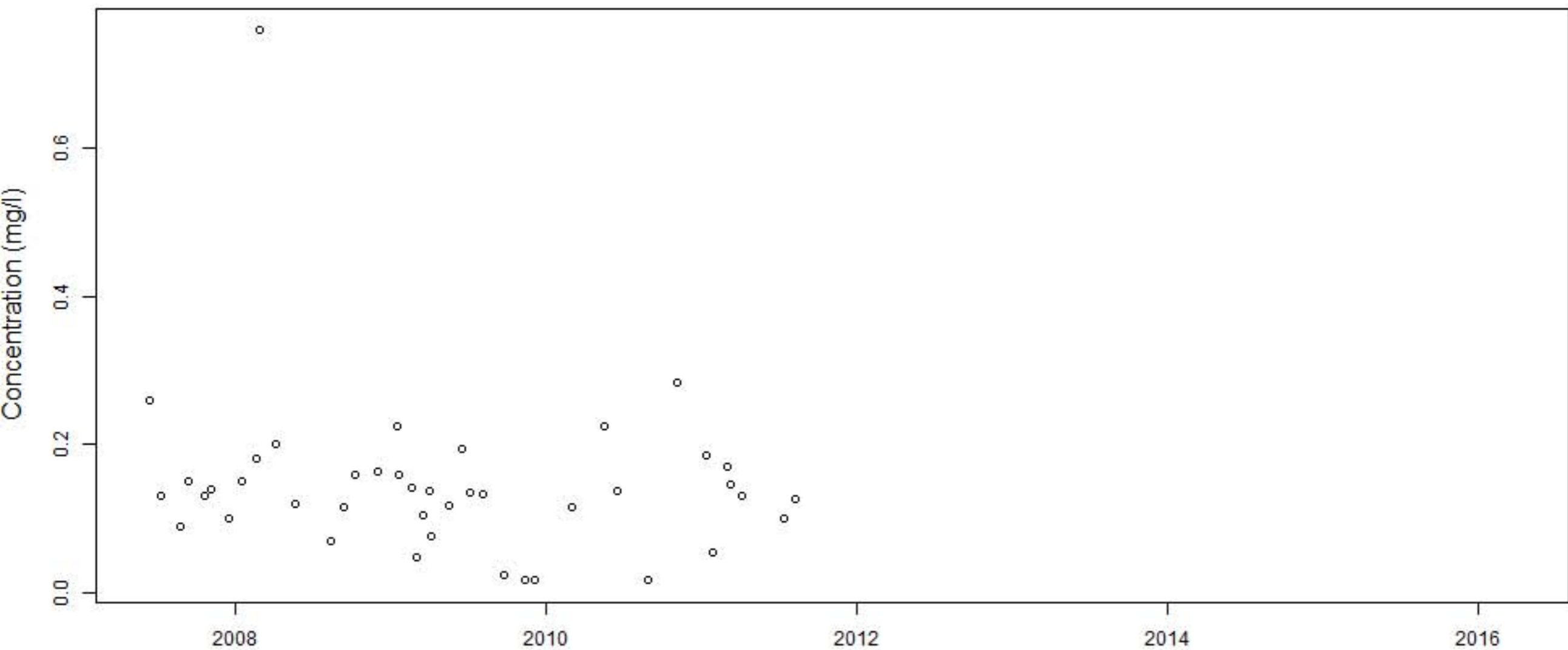


# BECY.12



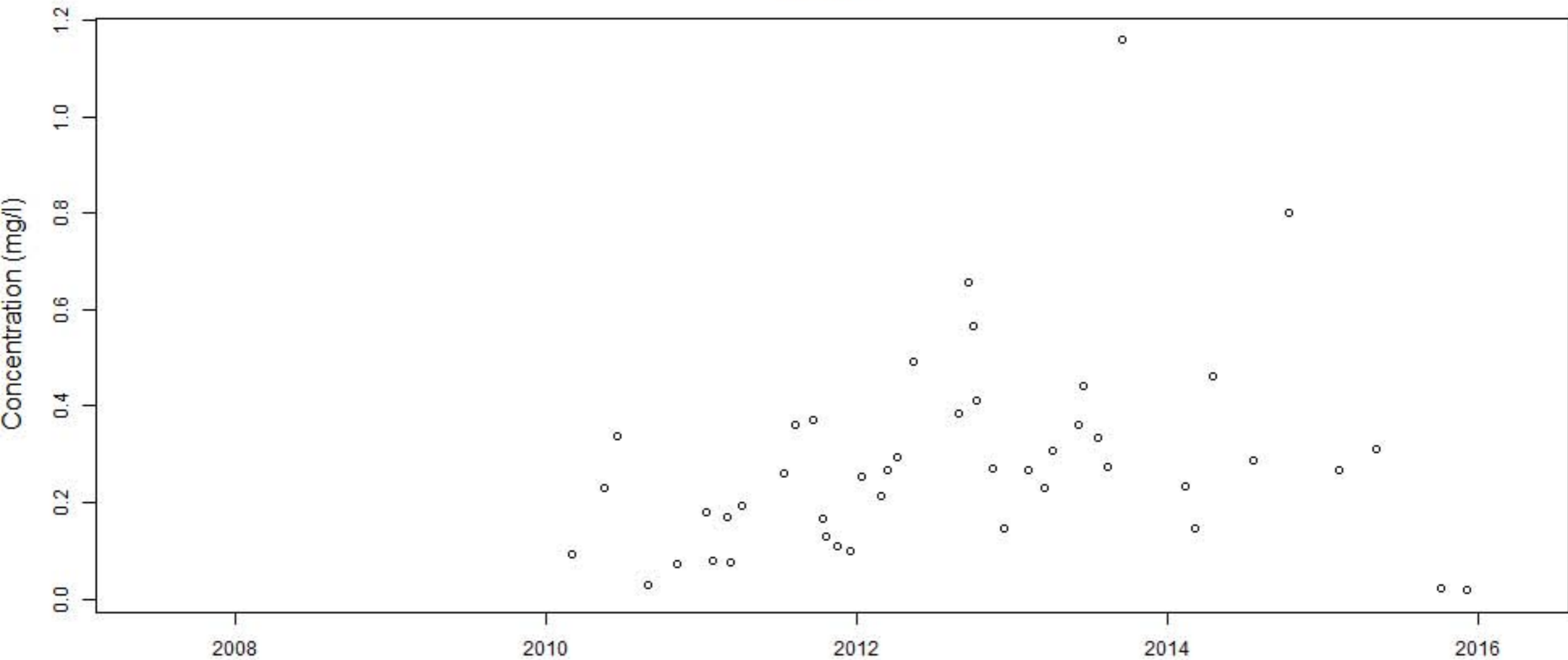


# BECY.13

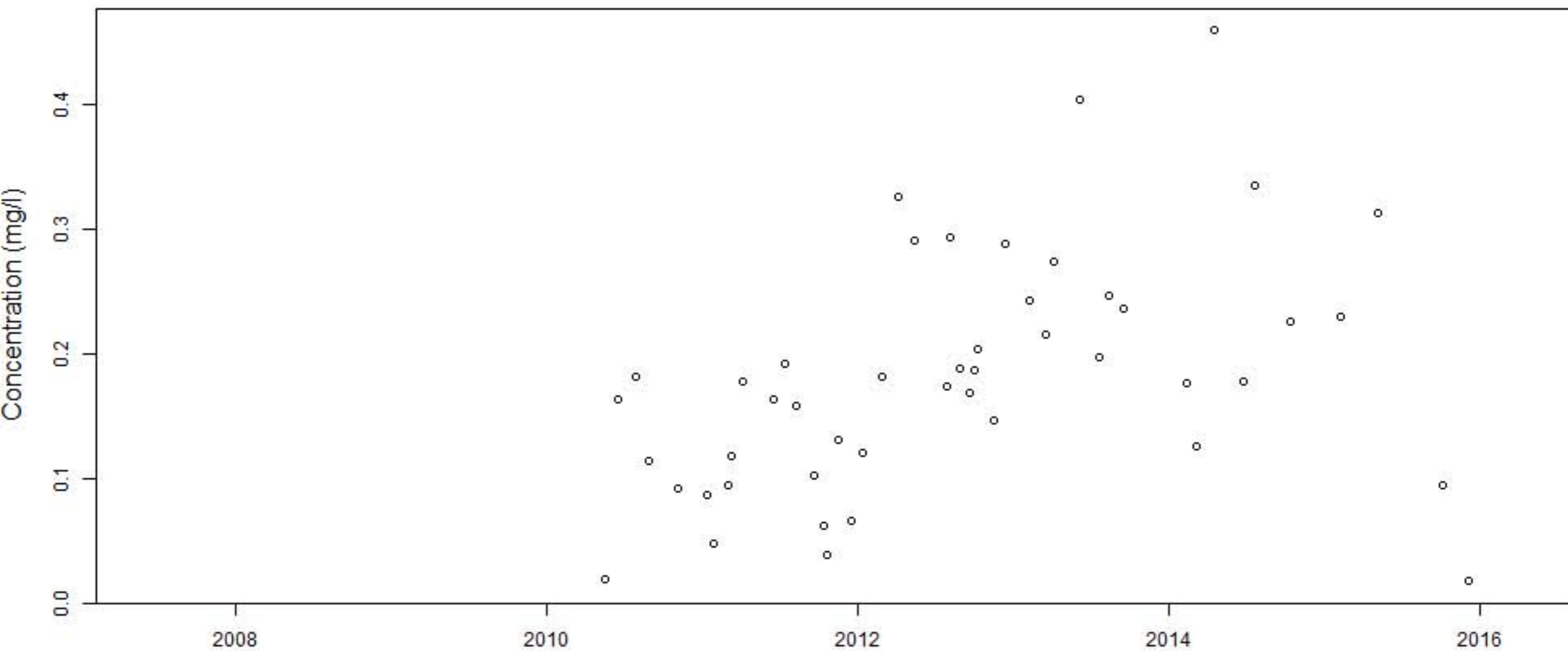




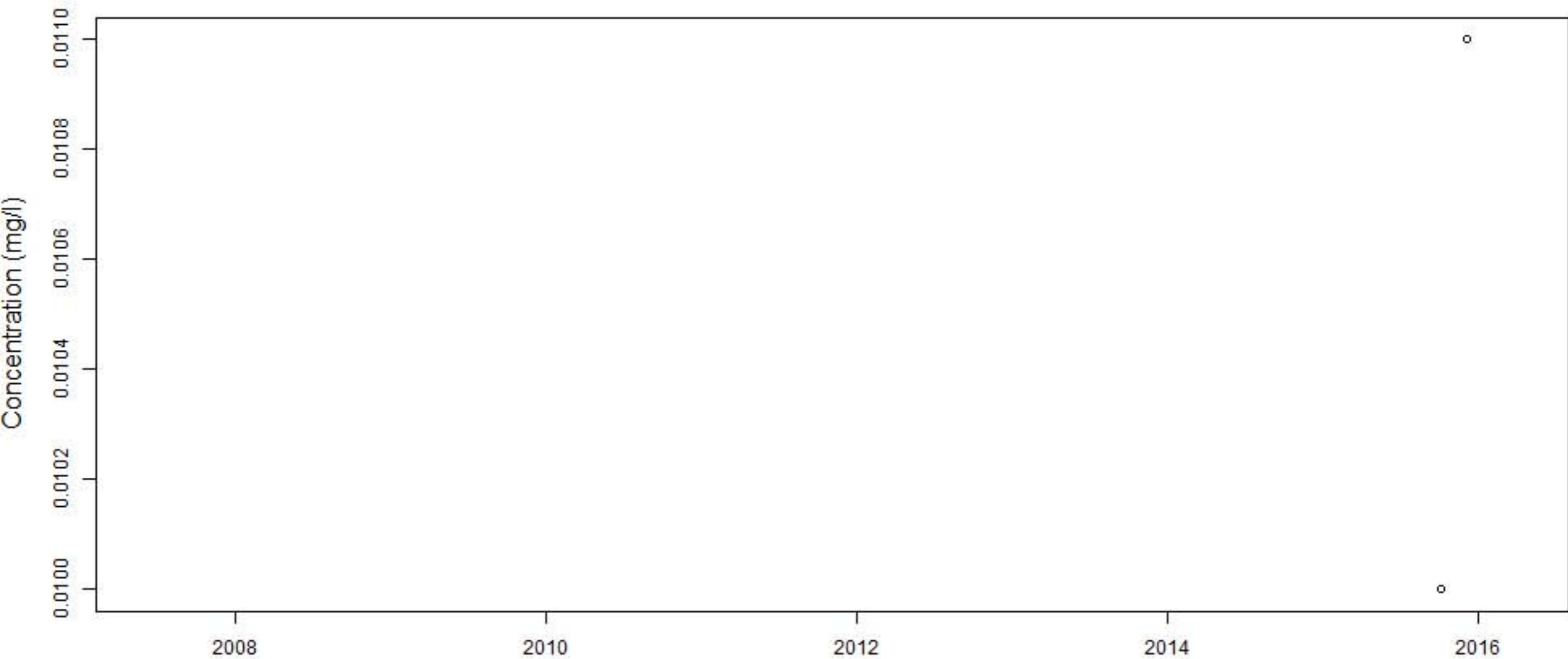
# BECY.15



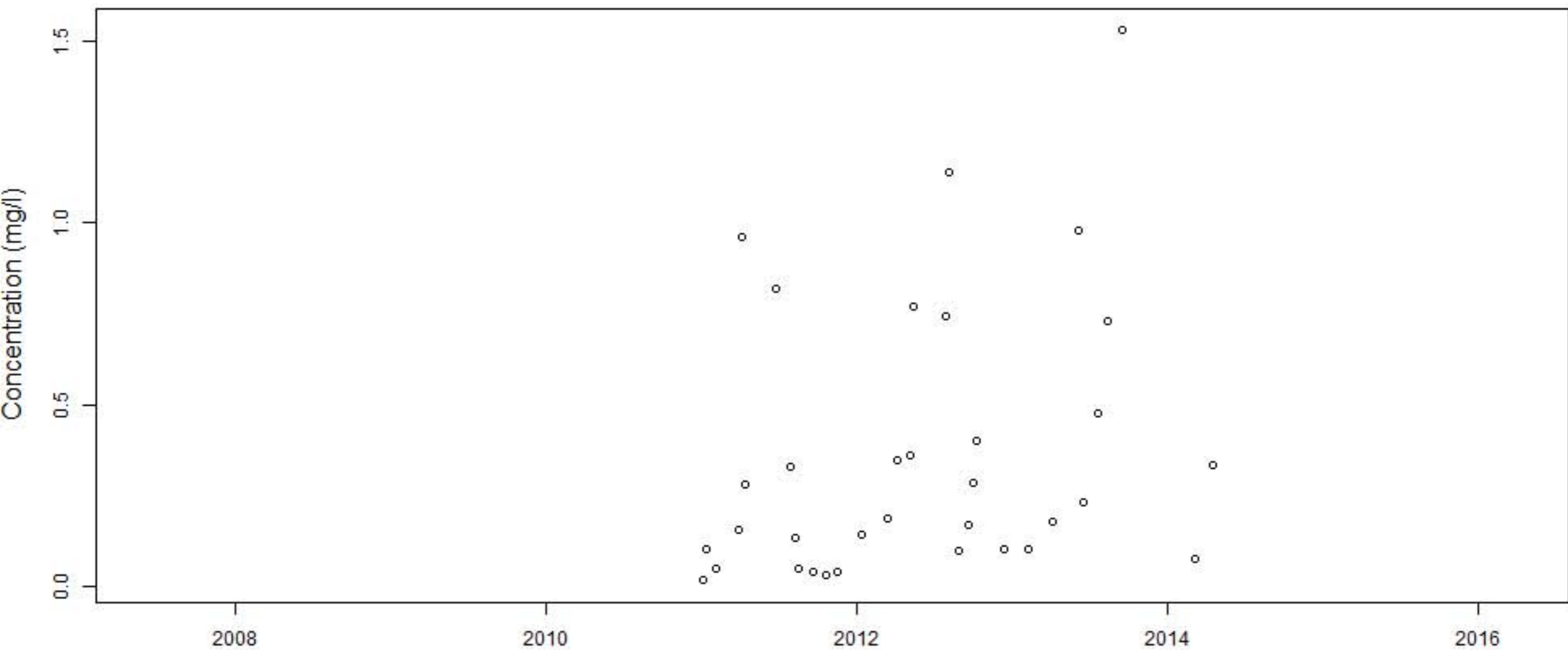
# BECY.16



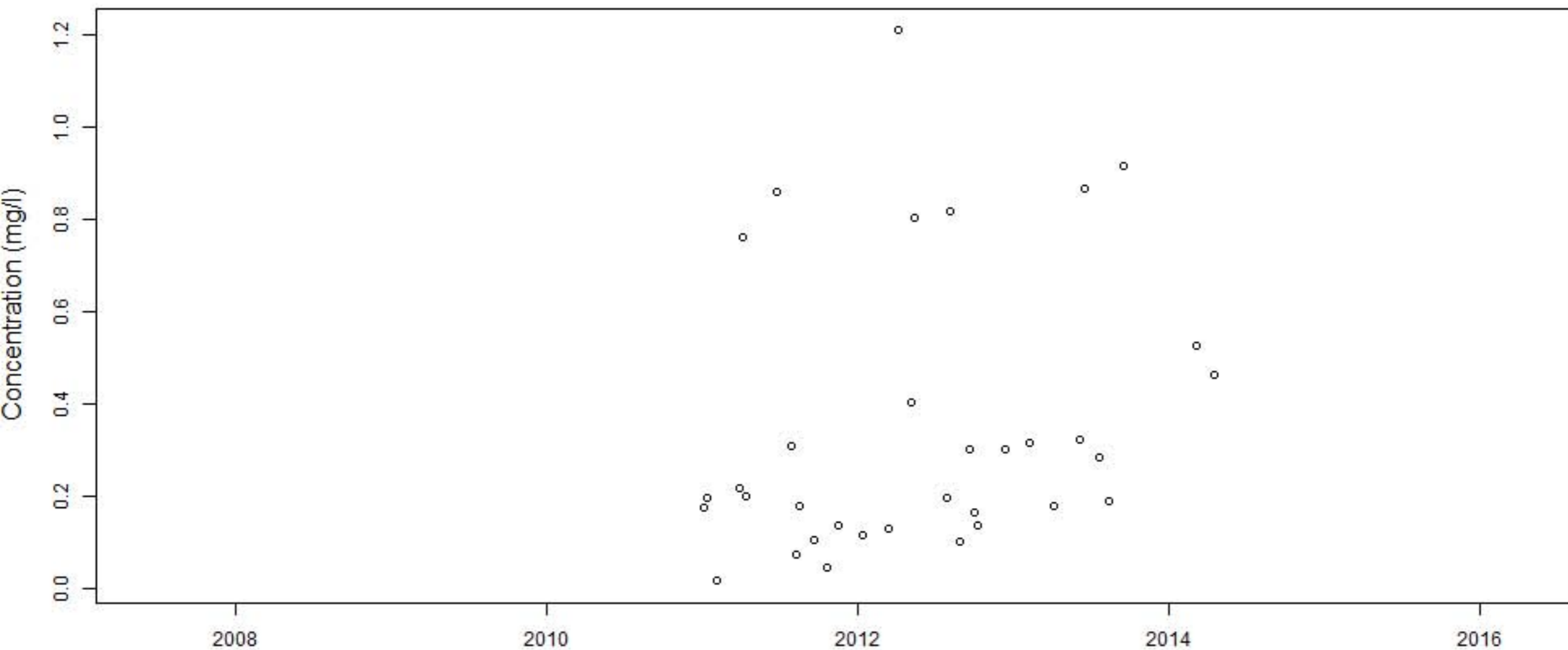
# BECY.17



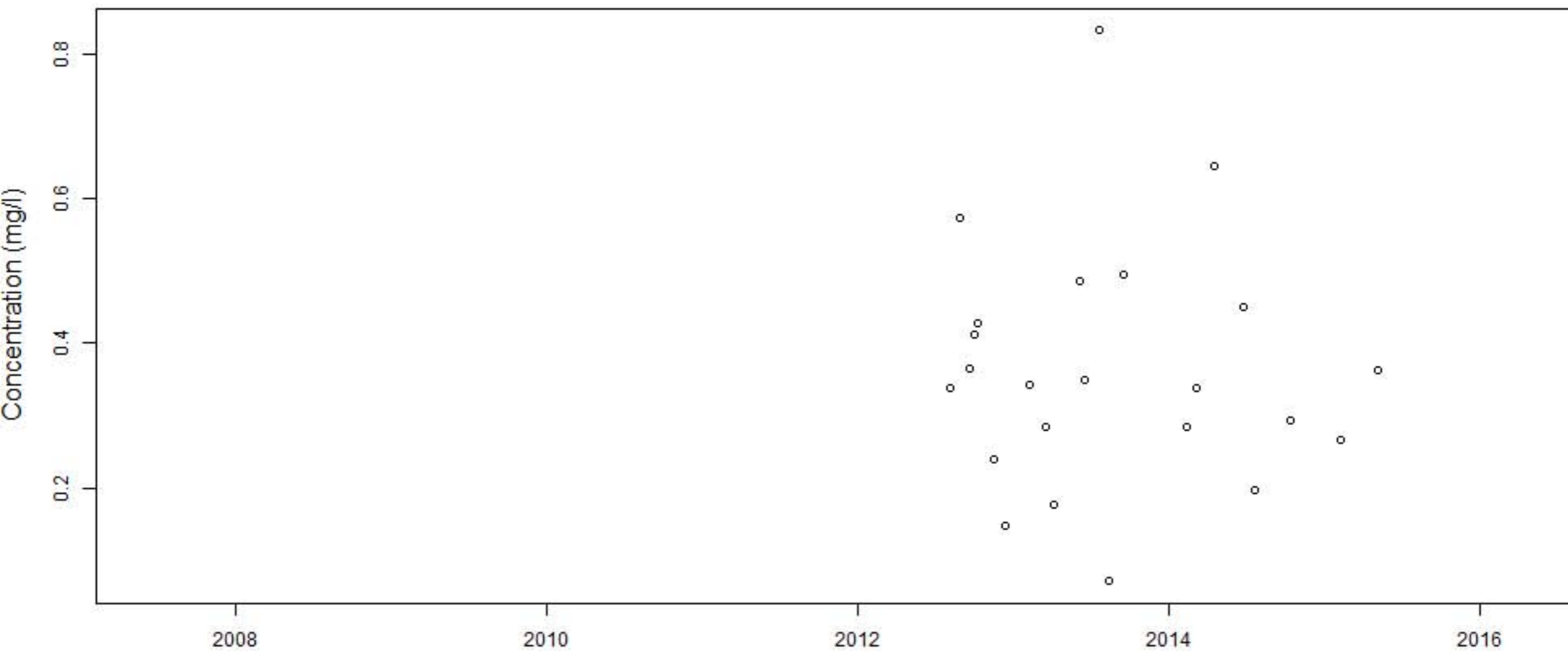
### BECY.17a.After



### BECY.17a.Grab

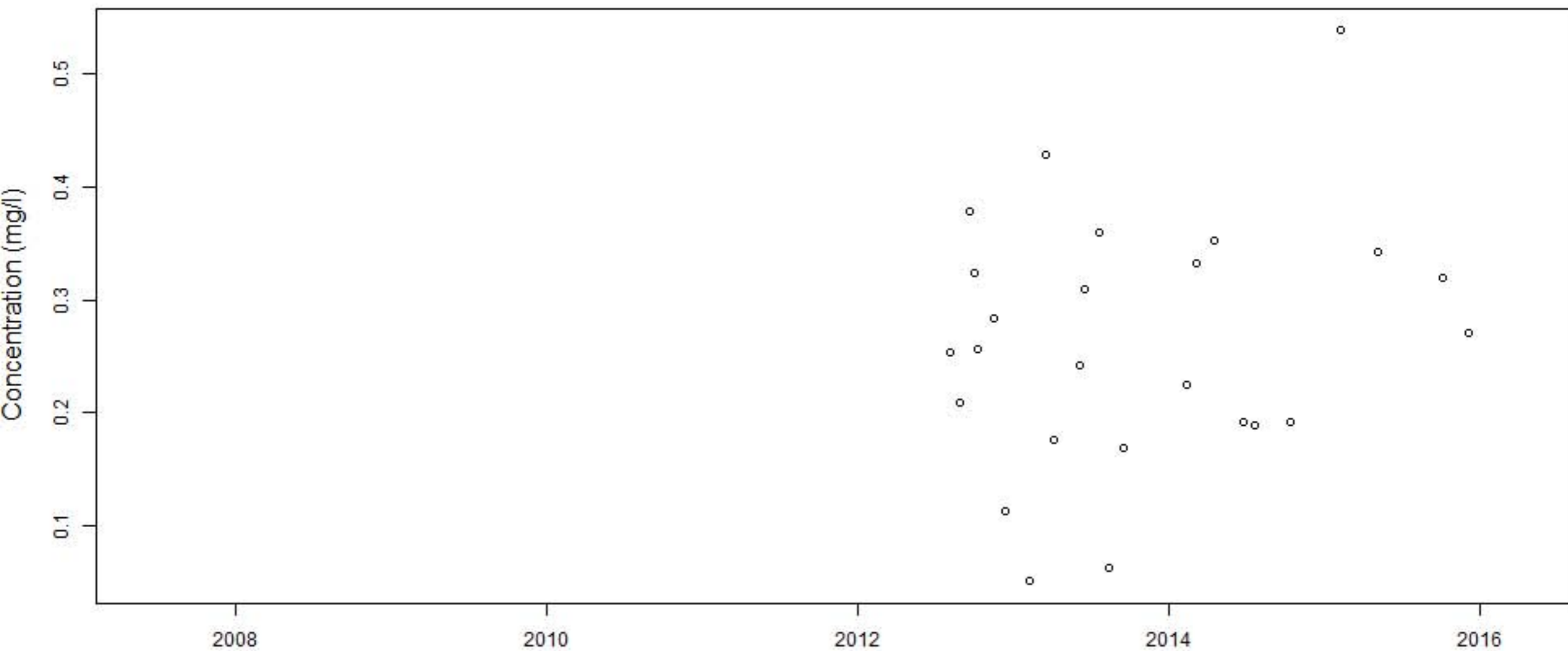


# BECY.18

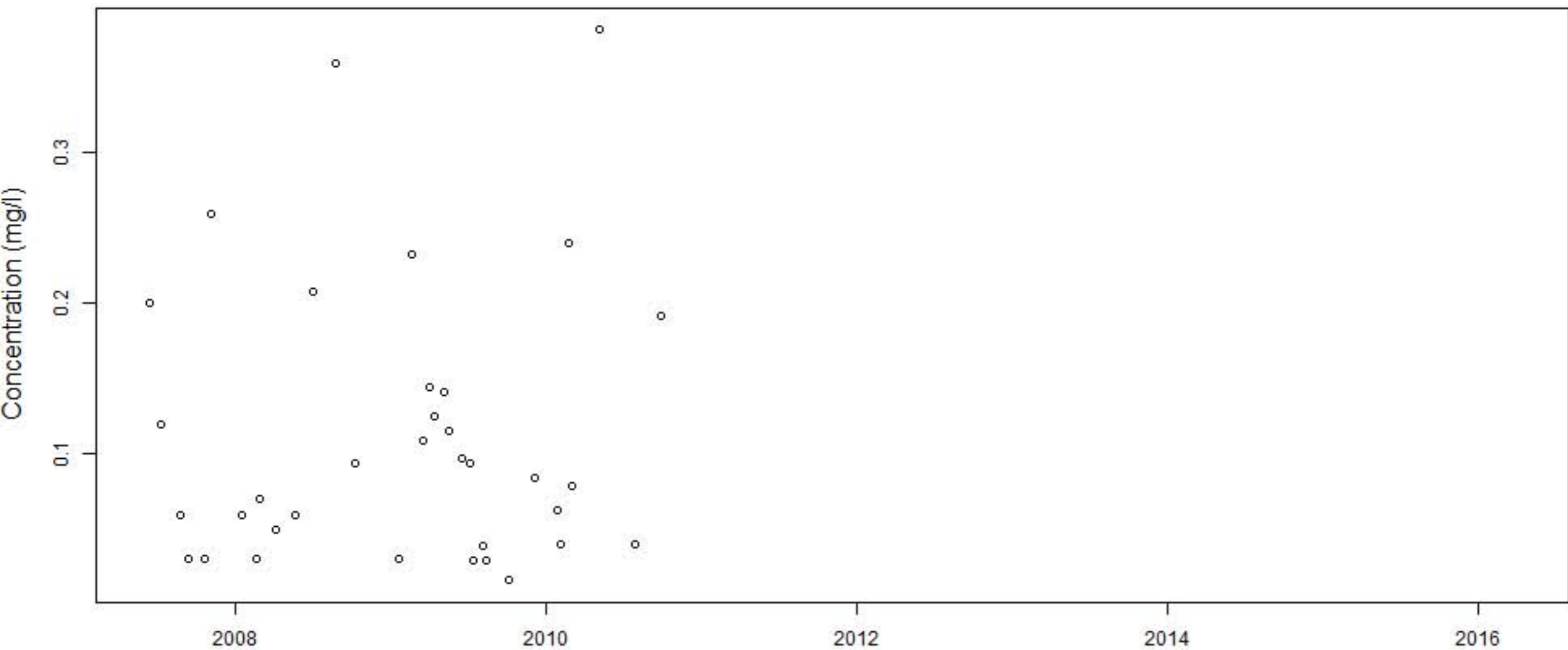




# BECY.19

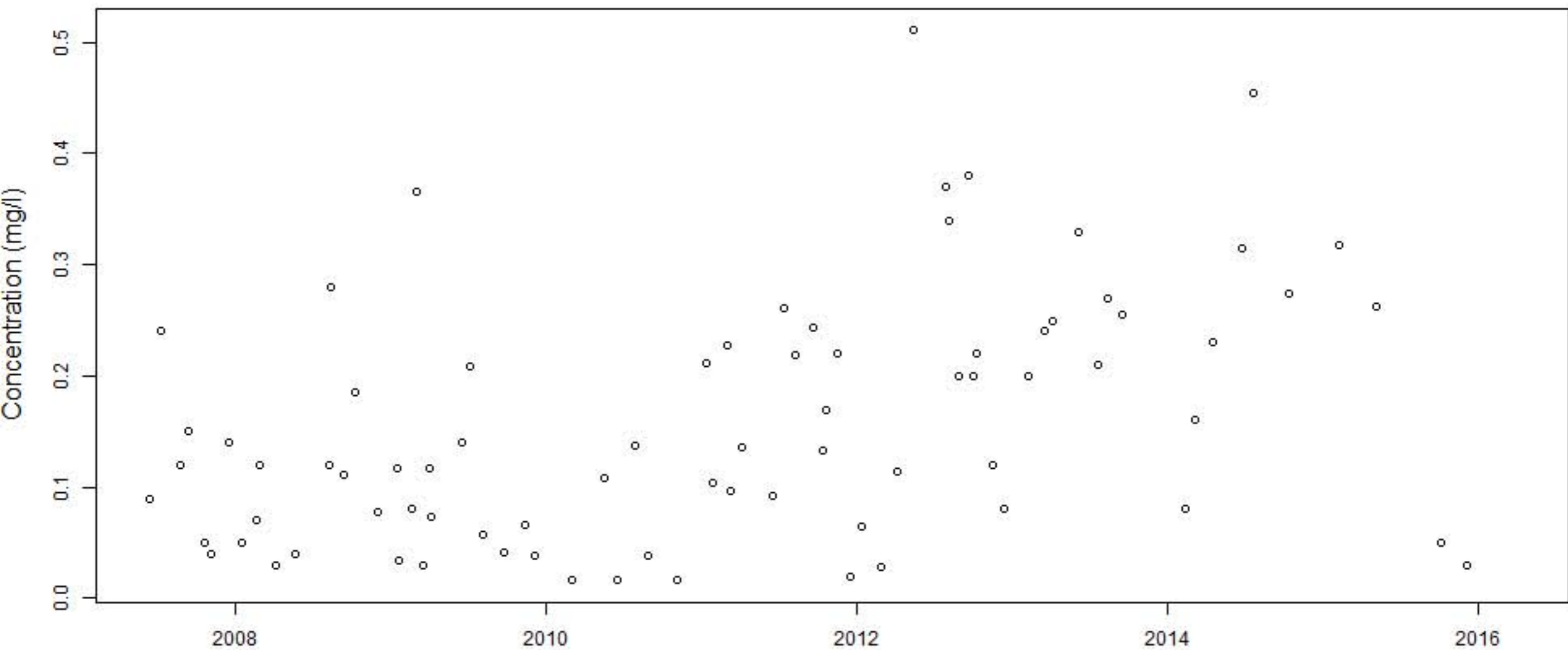


# BECY.1a.Comp

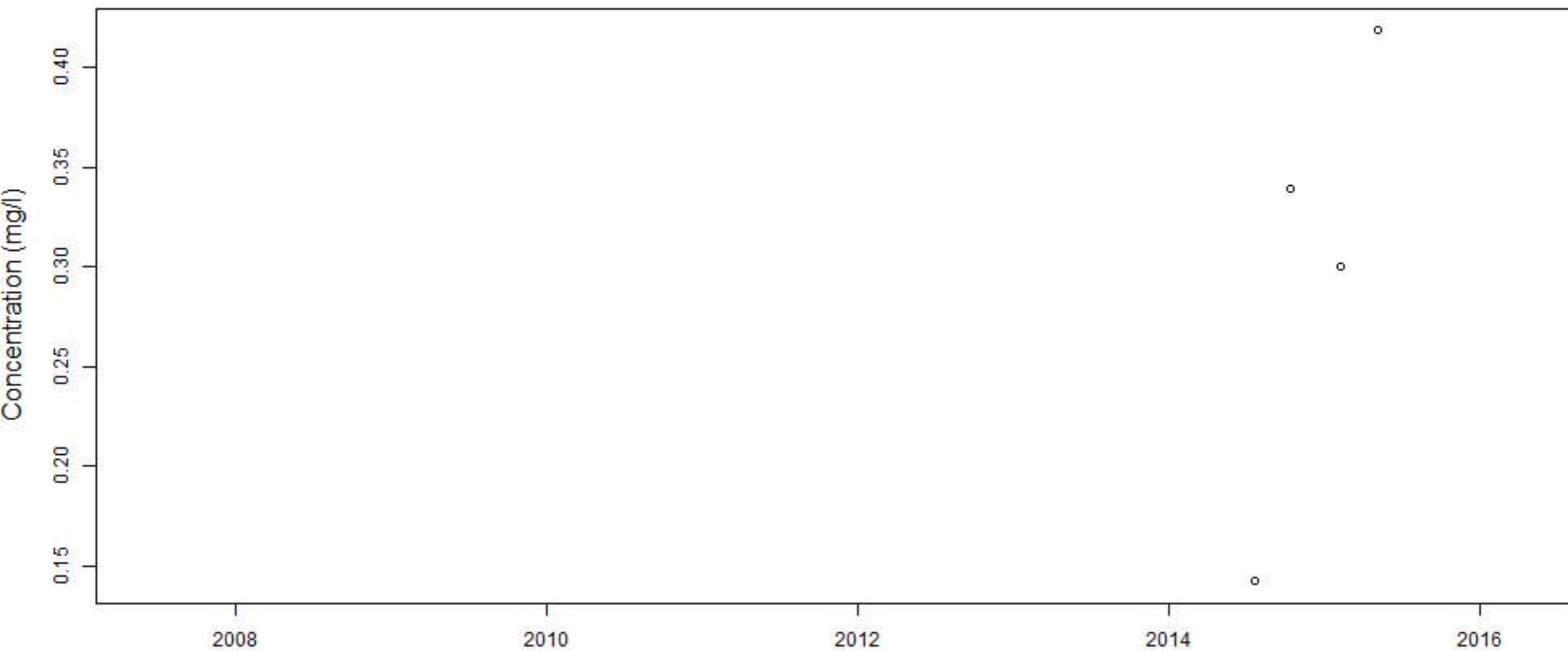




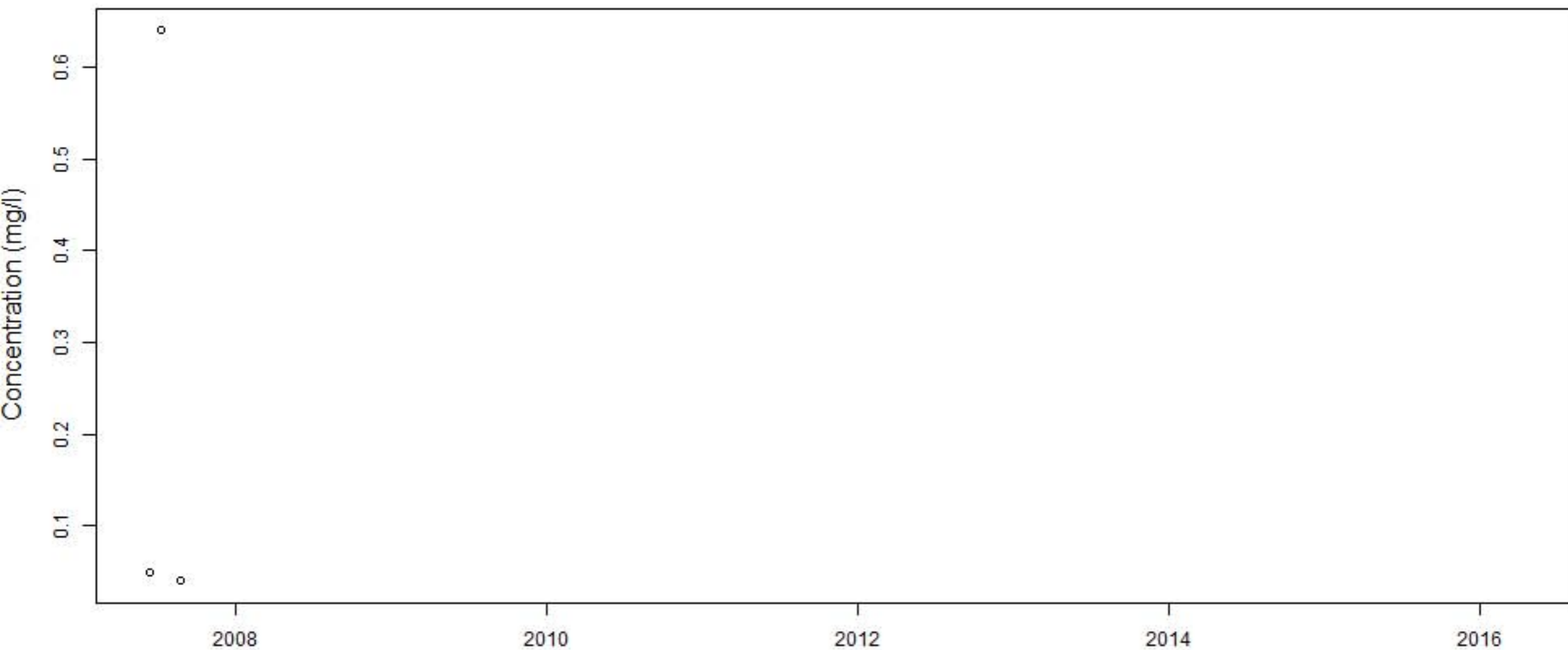
# BECY.2



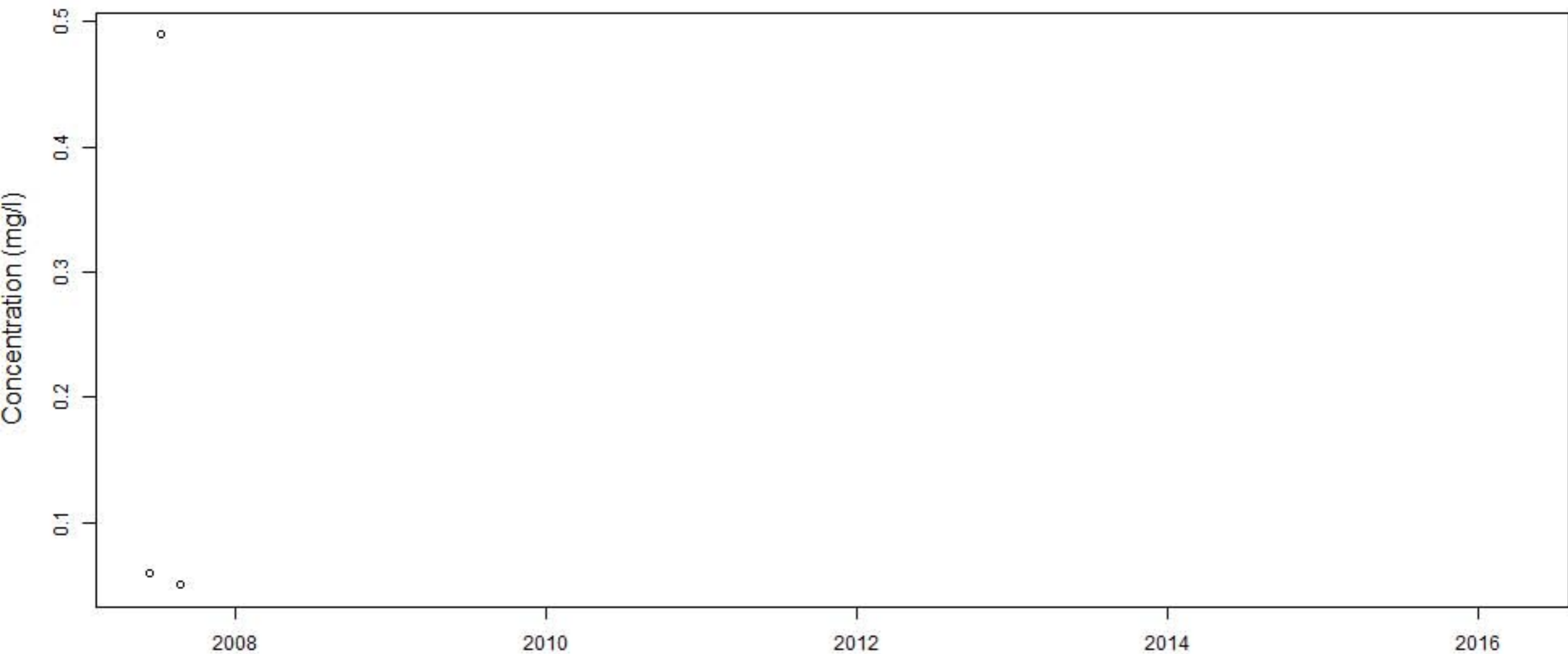
# BECY.20



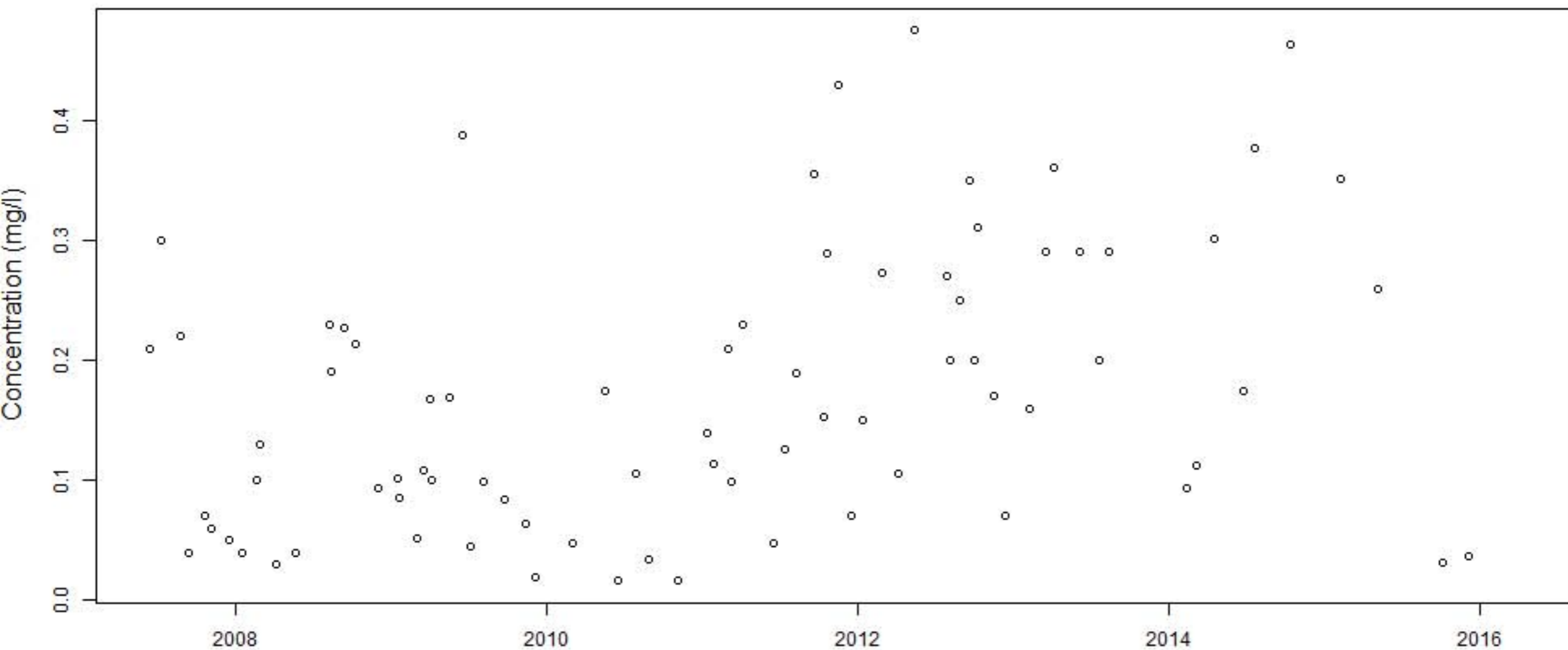
# BECY.2a.Comp



# BECY.2a.Grab

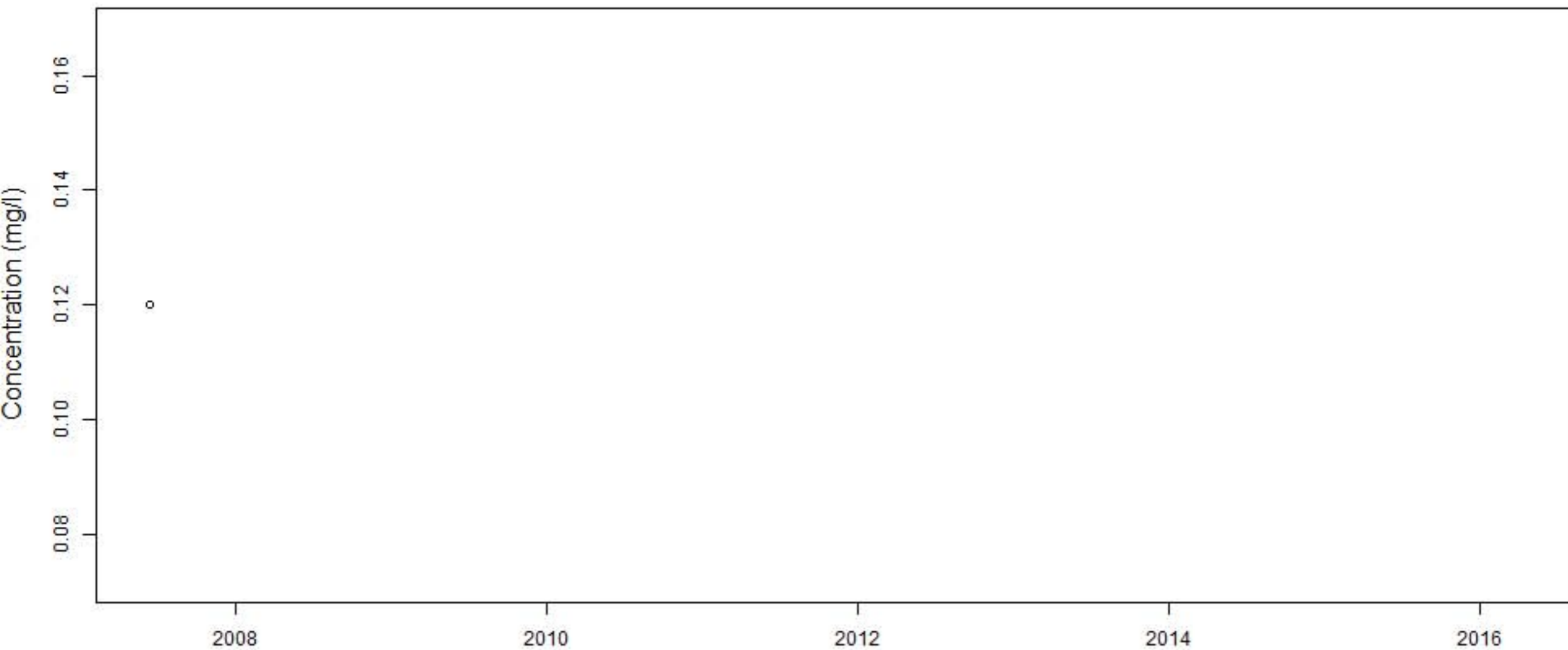


# BECY.3

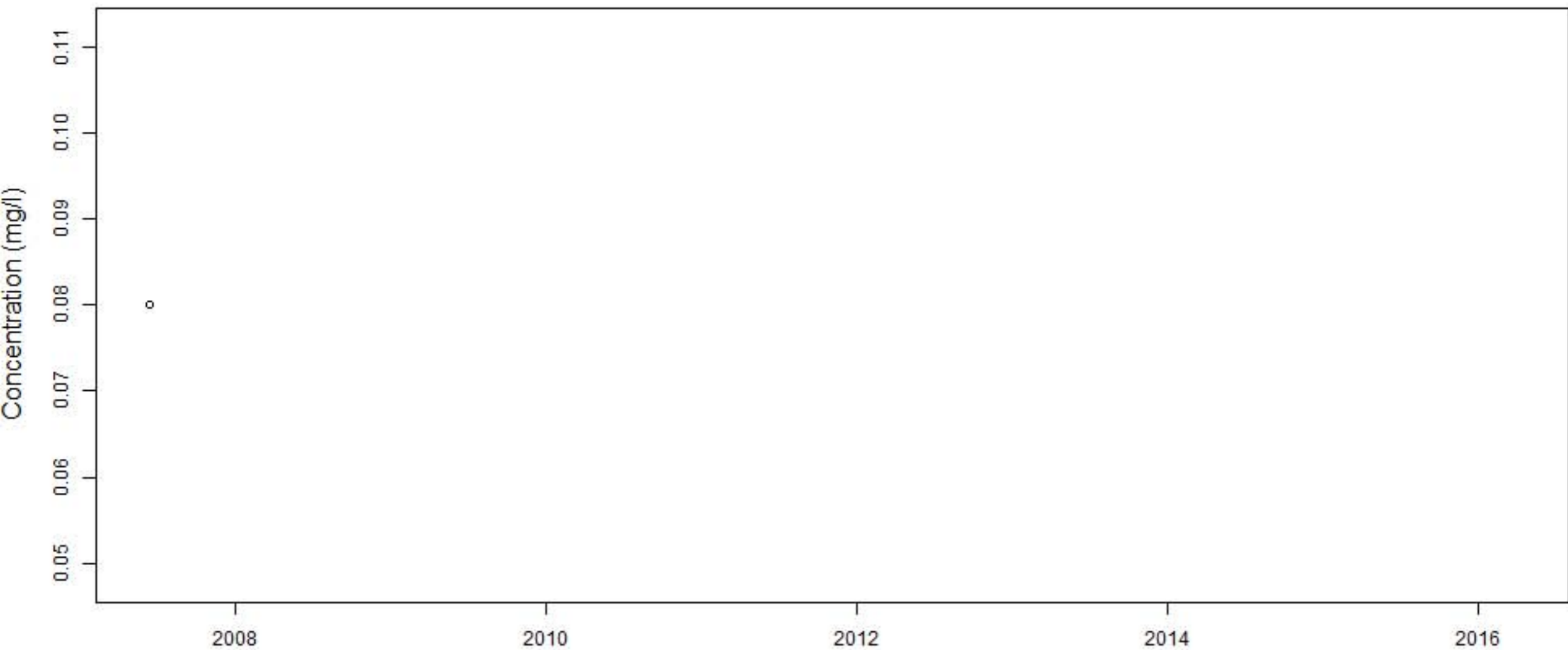




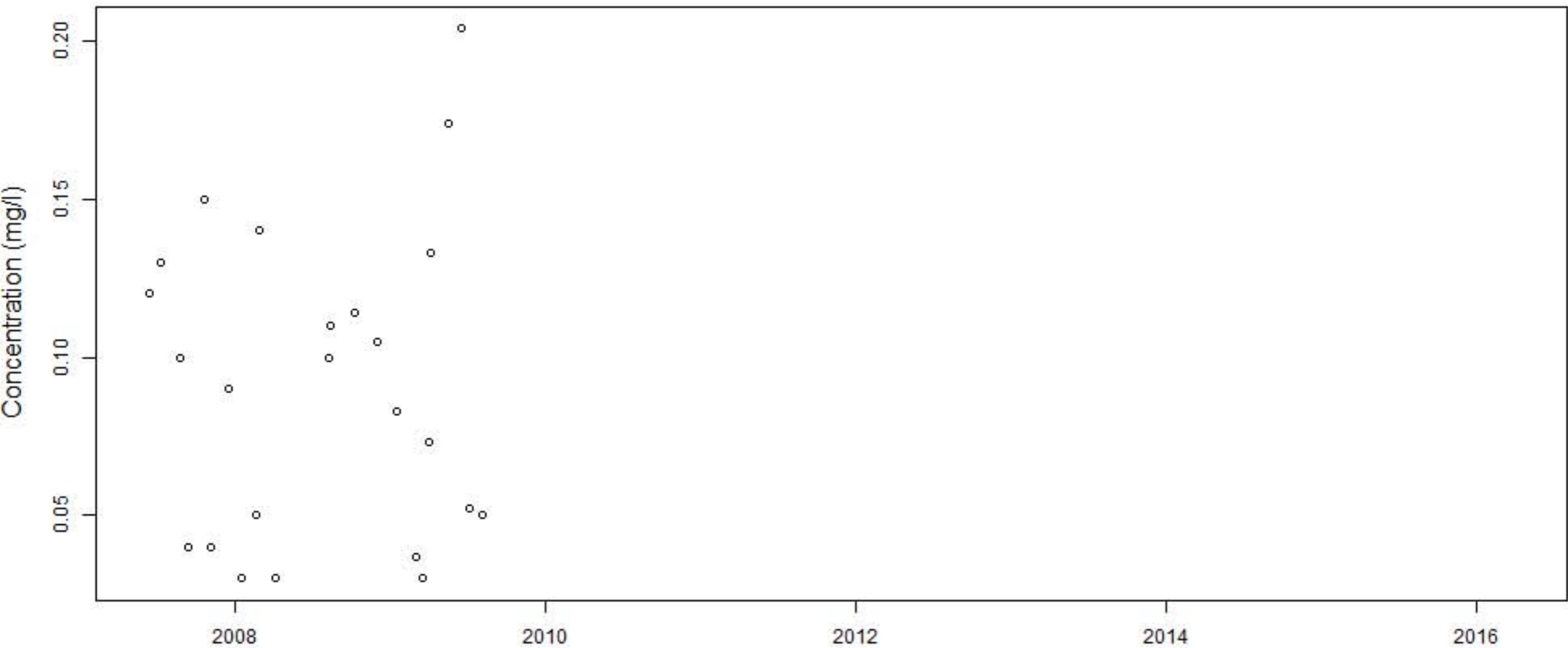
# BECY.3a.Comp



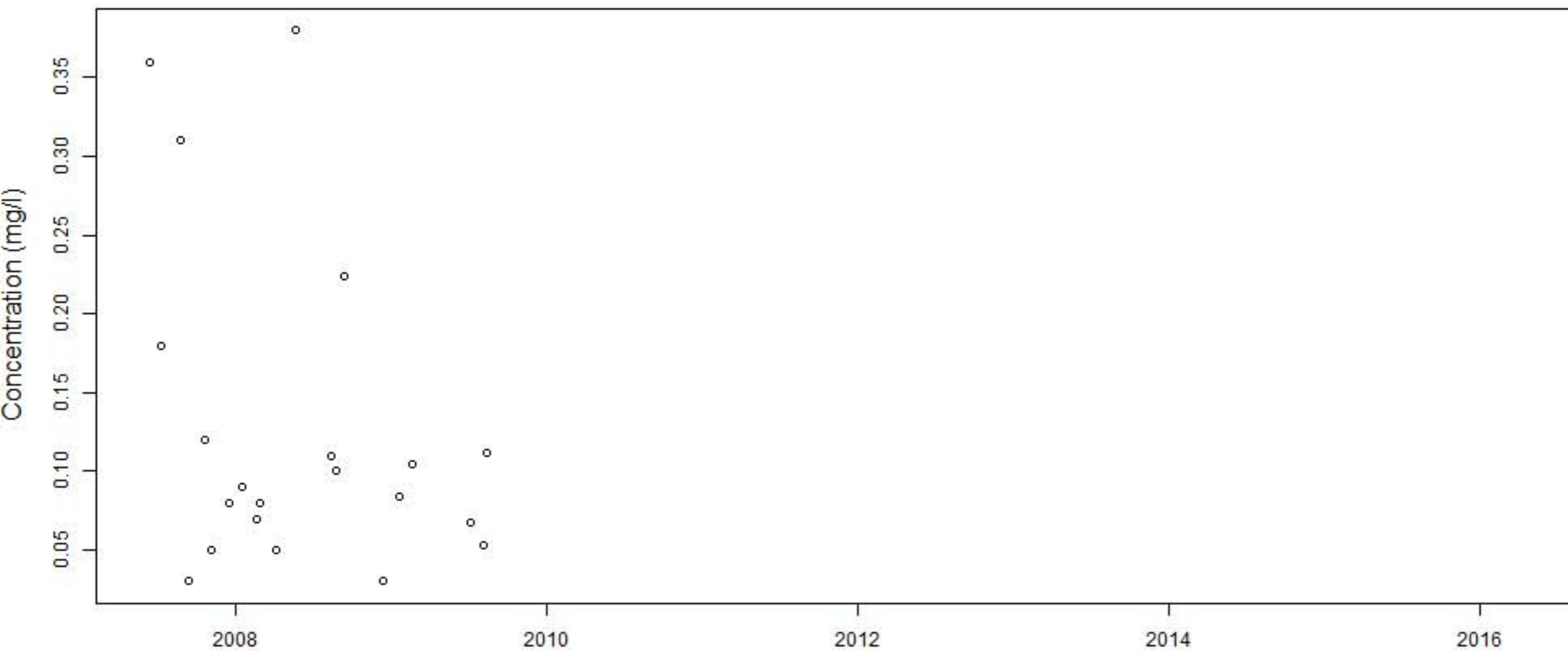
# BECY.3a.Grab



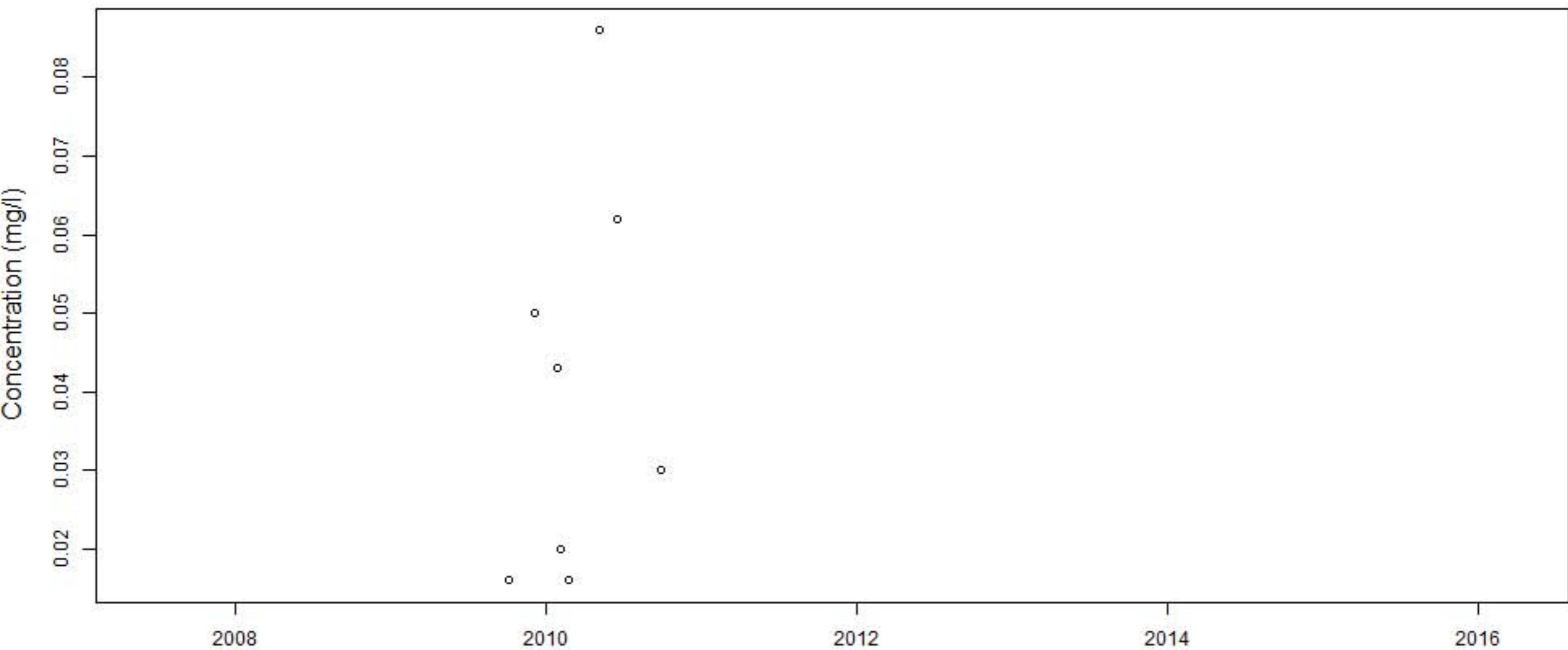
# BECY.4



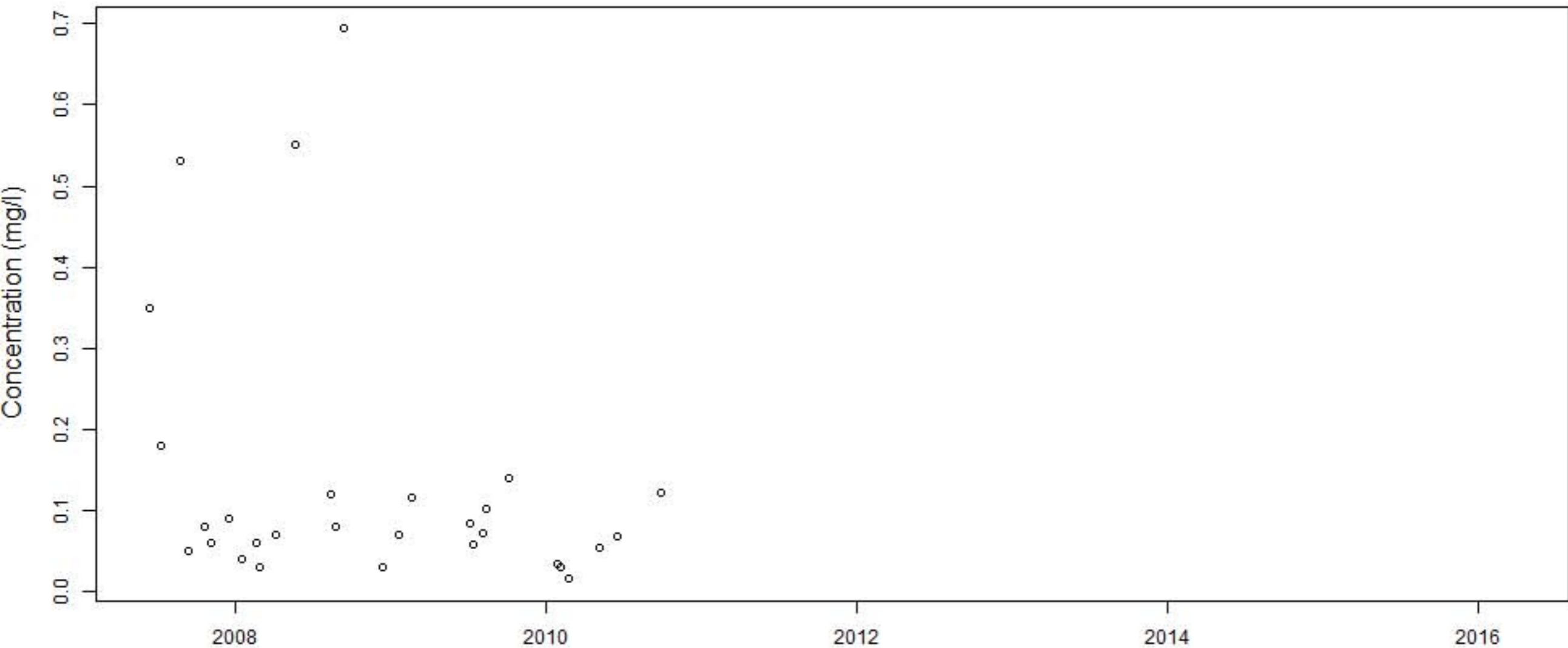
# BECY.4a.Comp



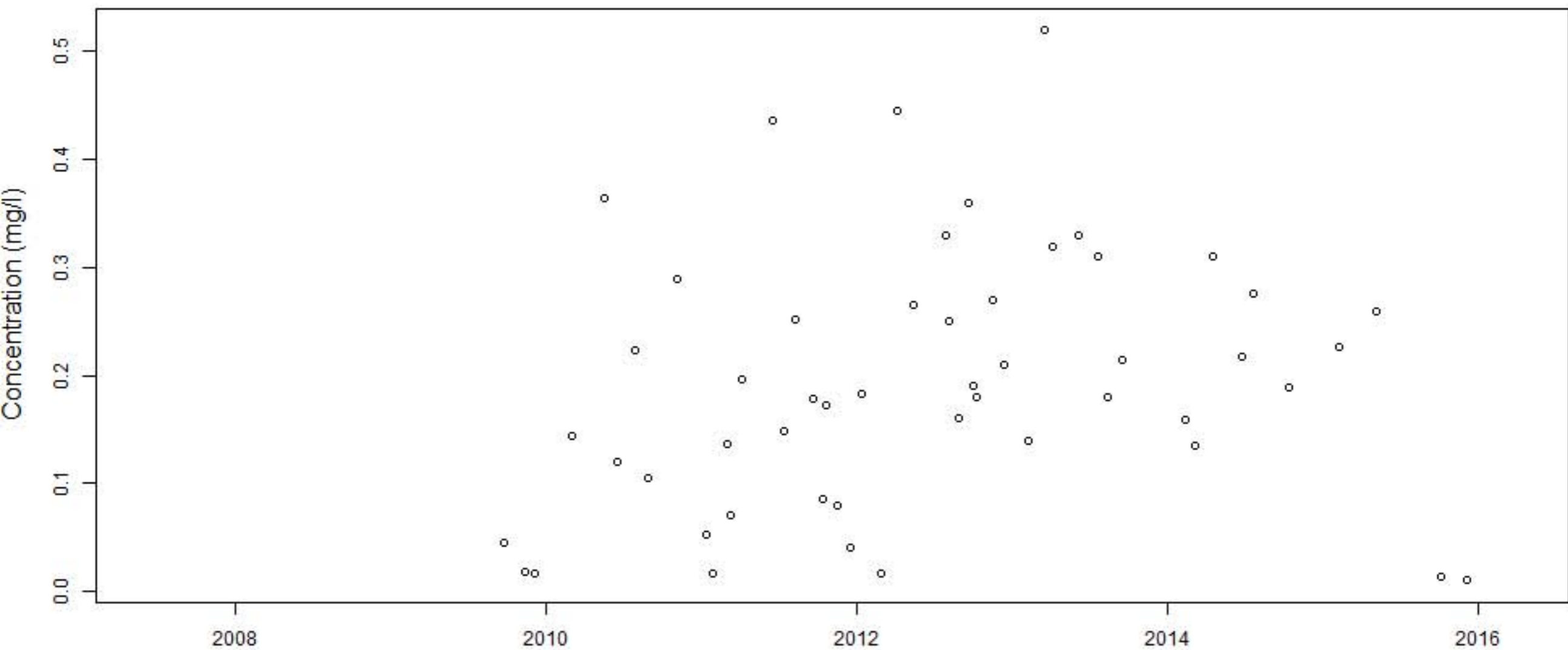
### BECY.4a.Grab.After



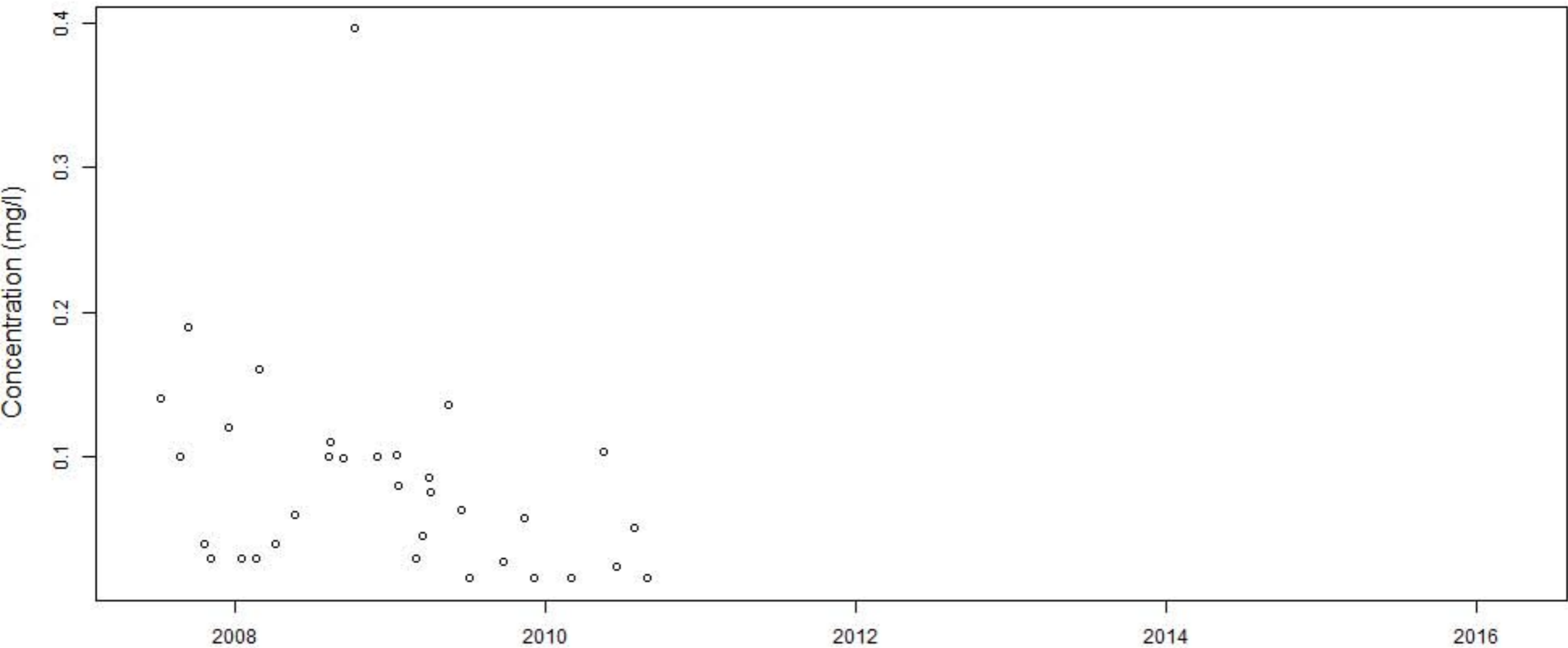
# BECY.4a.Grab



# BECY.4r

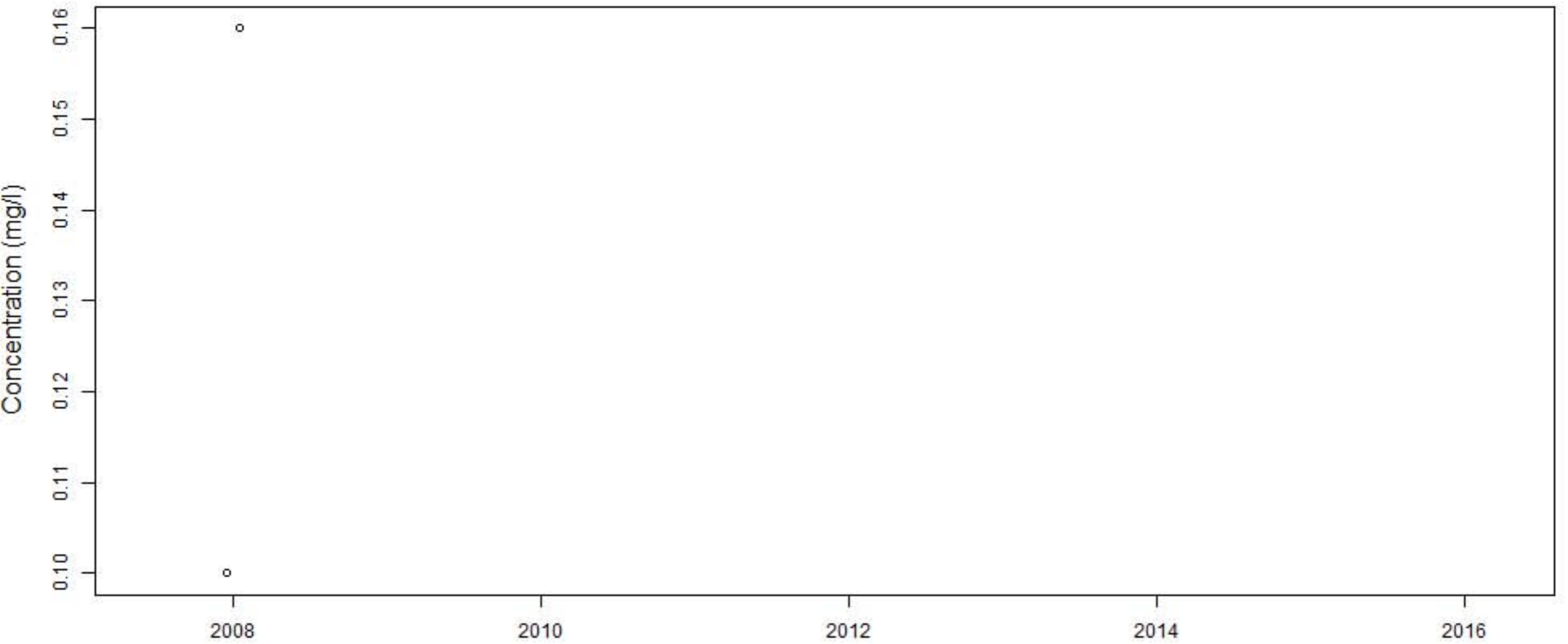


# BECY.5

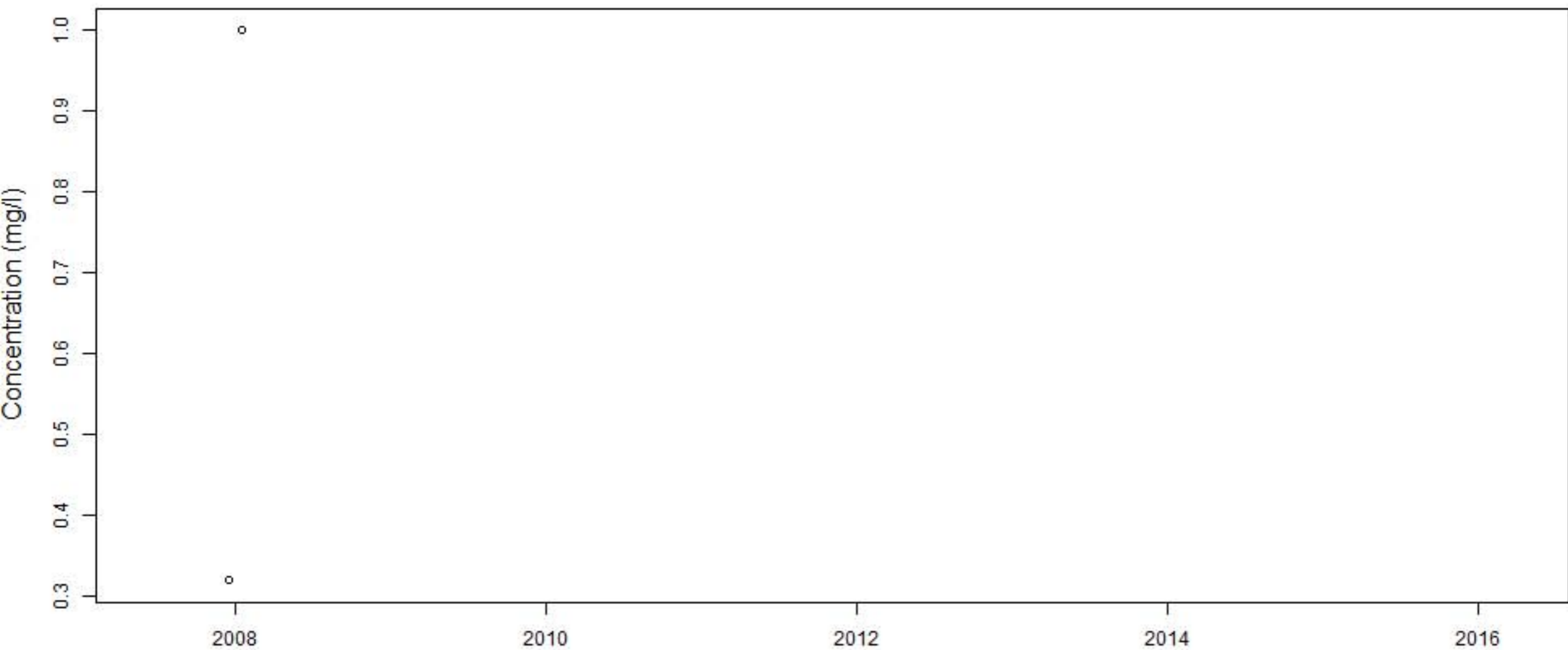




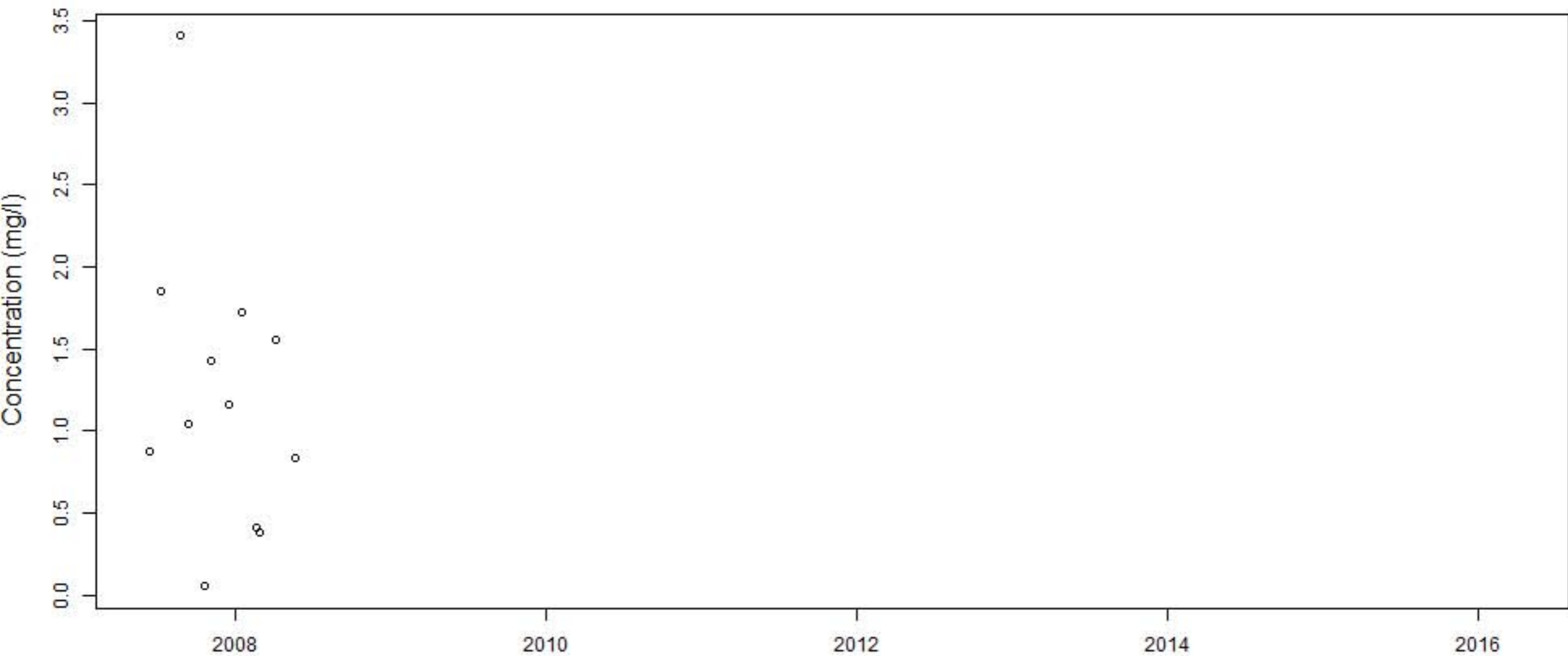
# BECY.5A.Comp



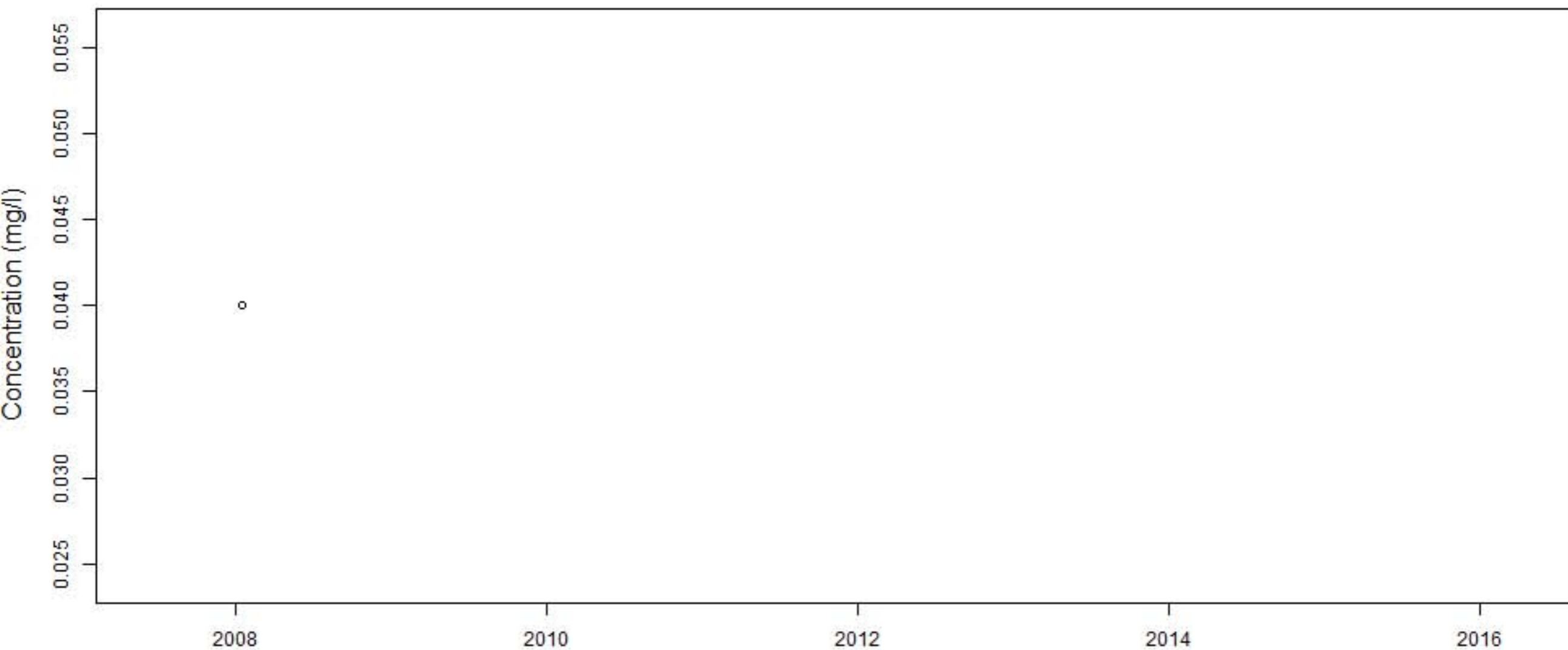
# BECY.5A.Grab



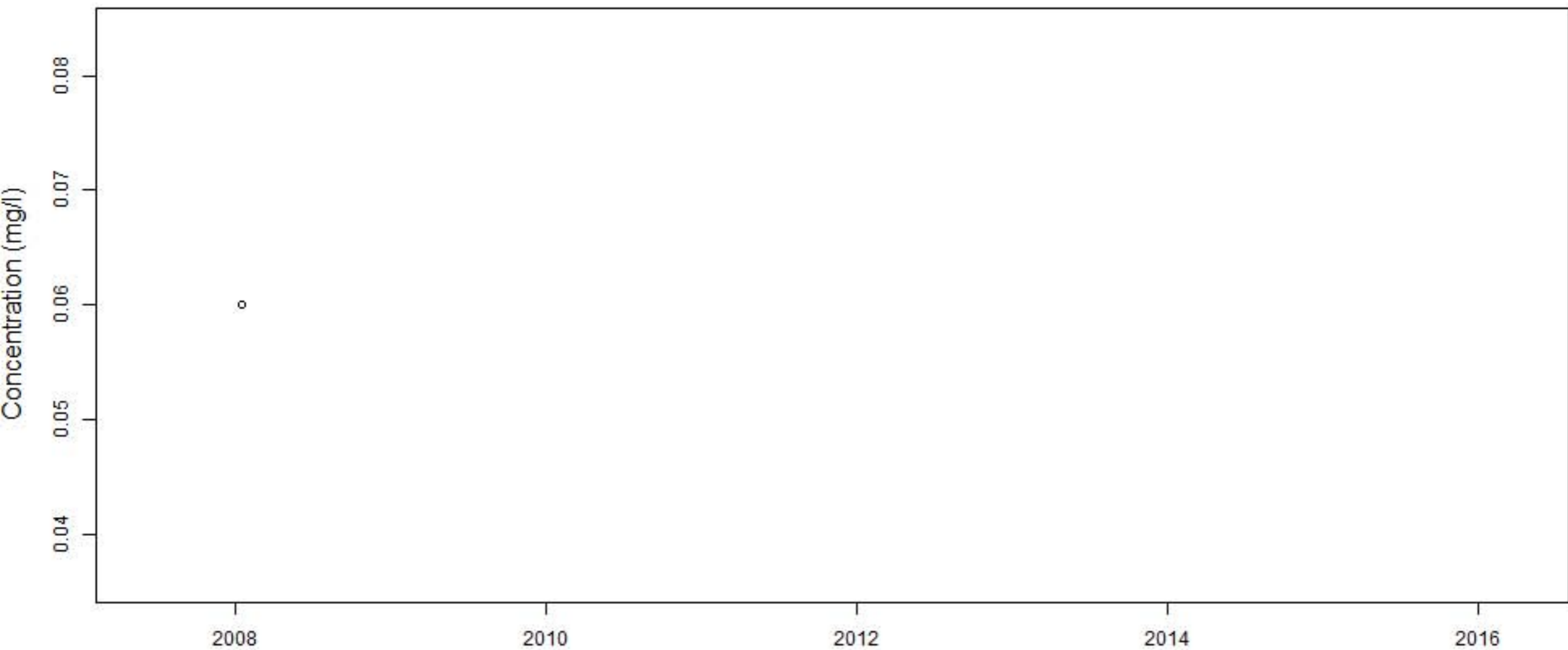
# BECY.6



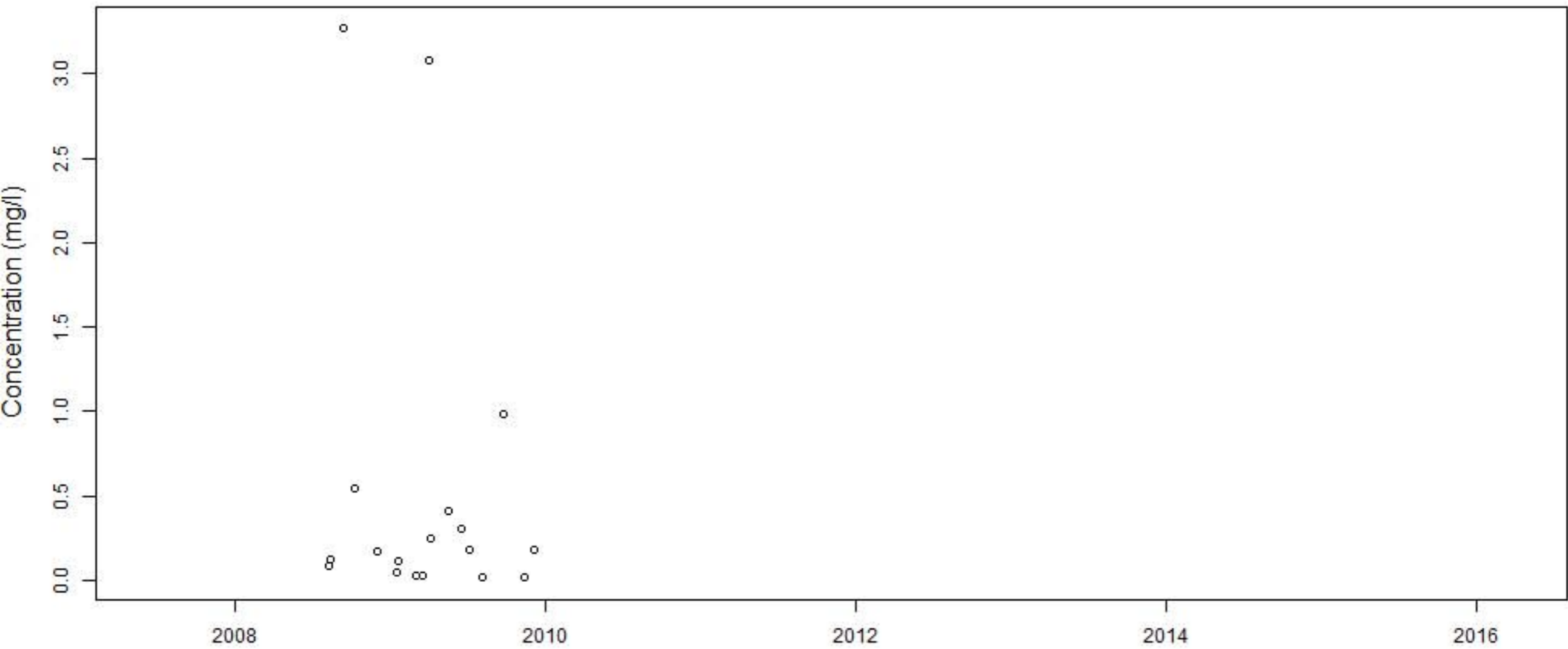
# BECY.6A.Comp



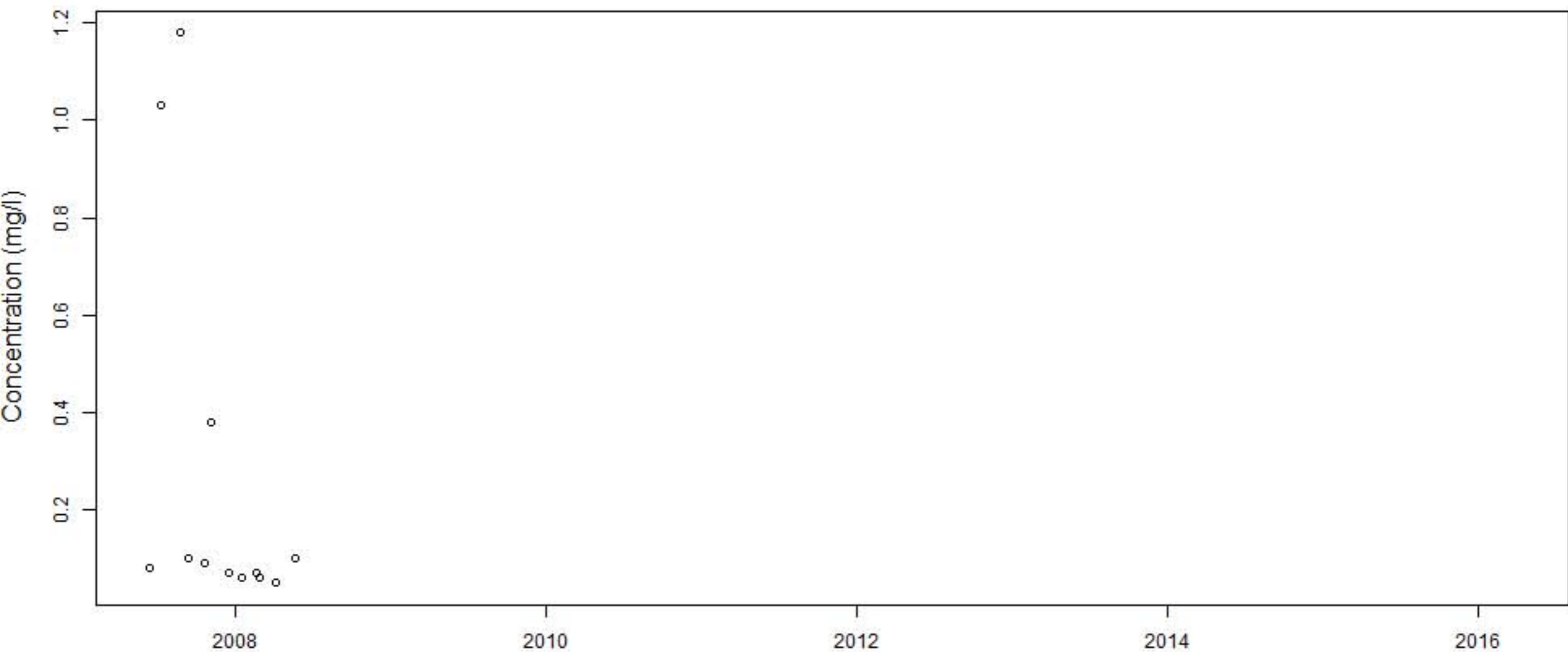
# BECY.6A.Grab



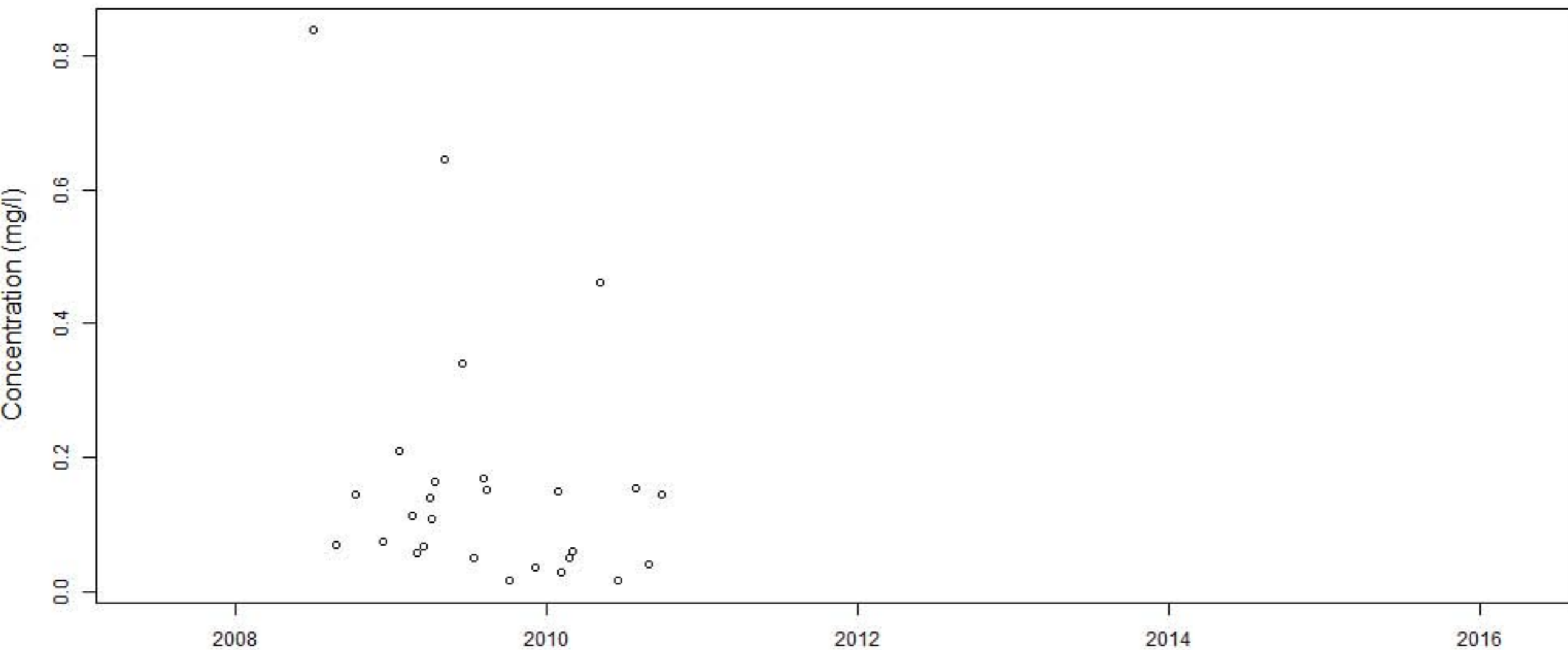
# BECY.6r



# BECY.7

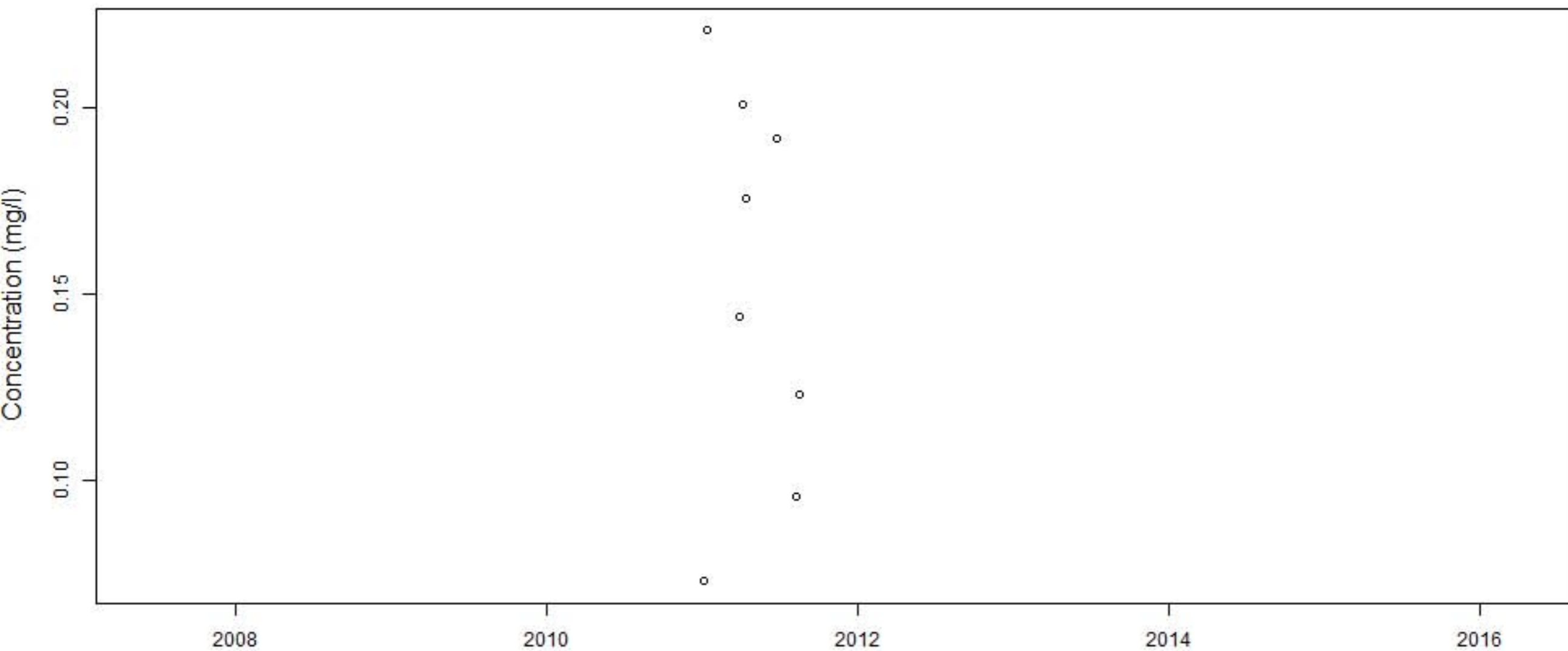


# BECY.7ra.Comp

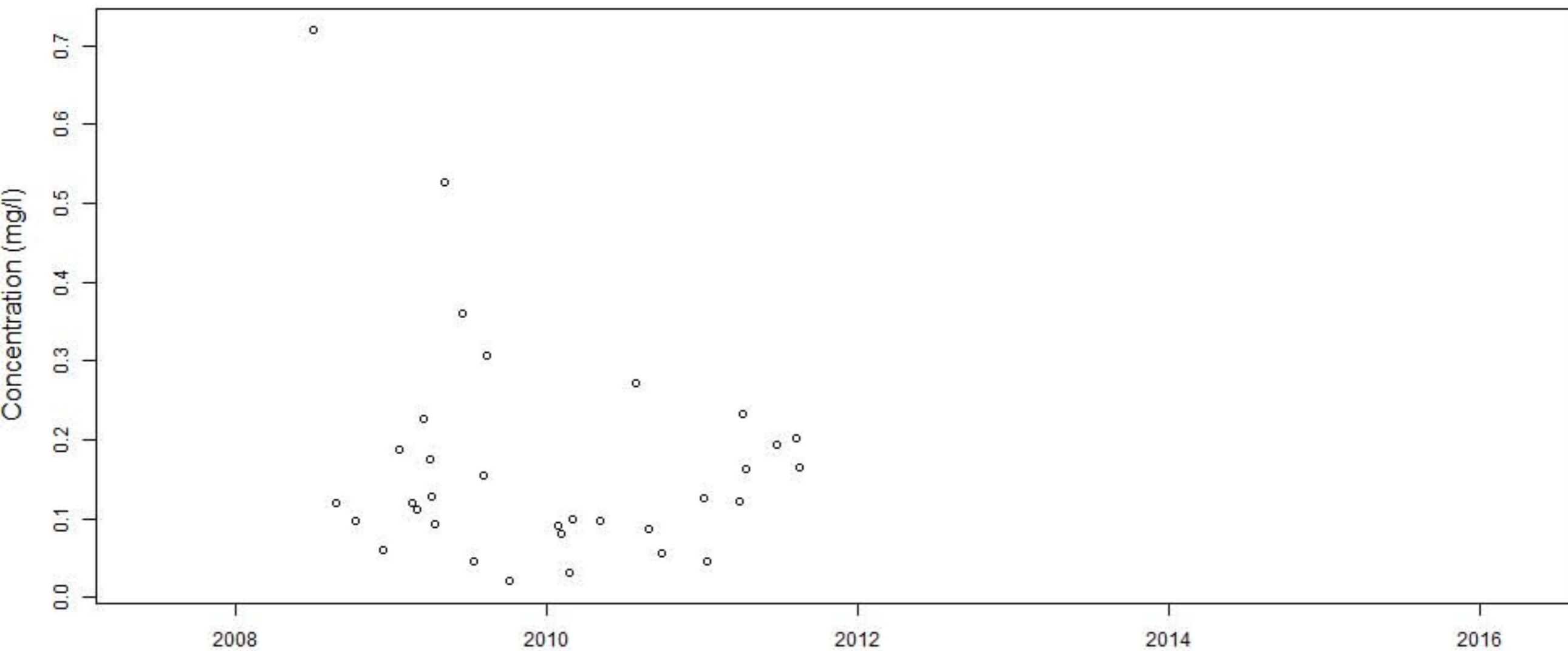




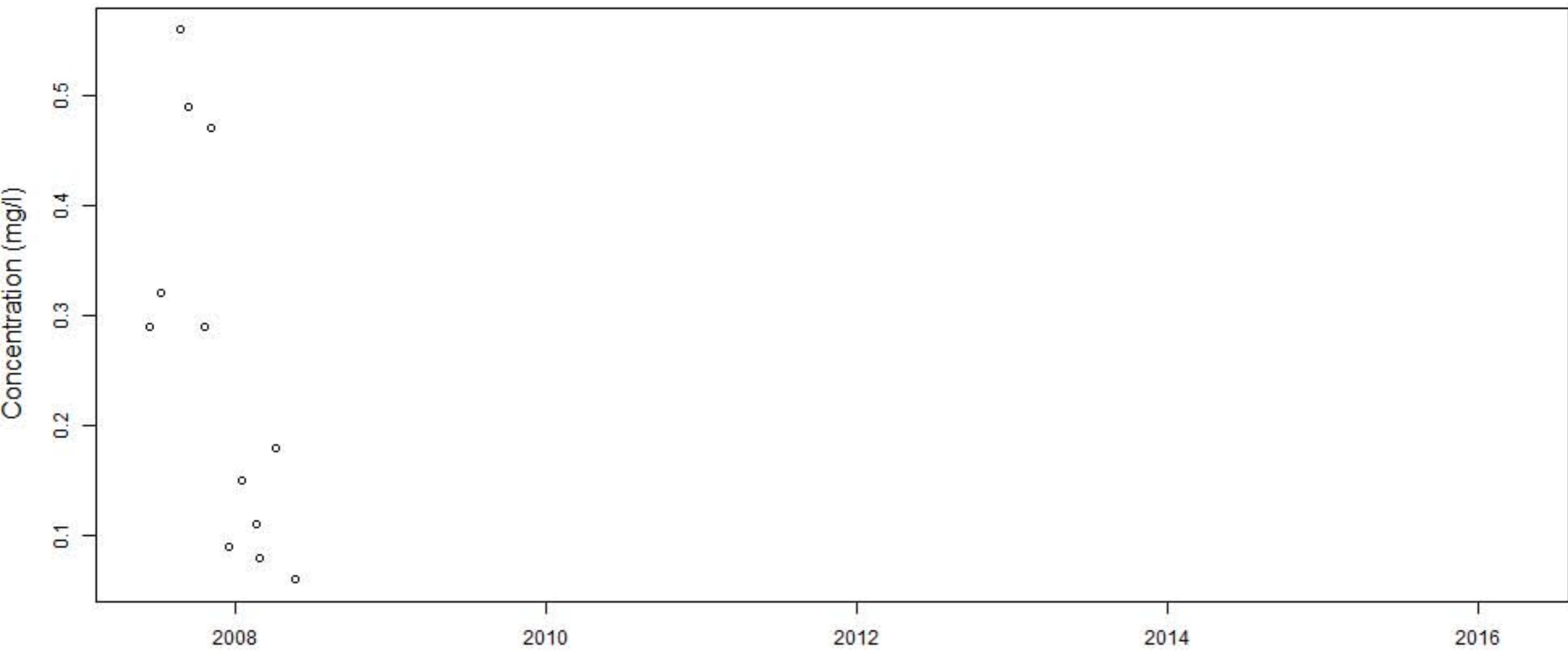
### BECY.7ra.Grab.After



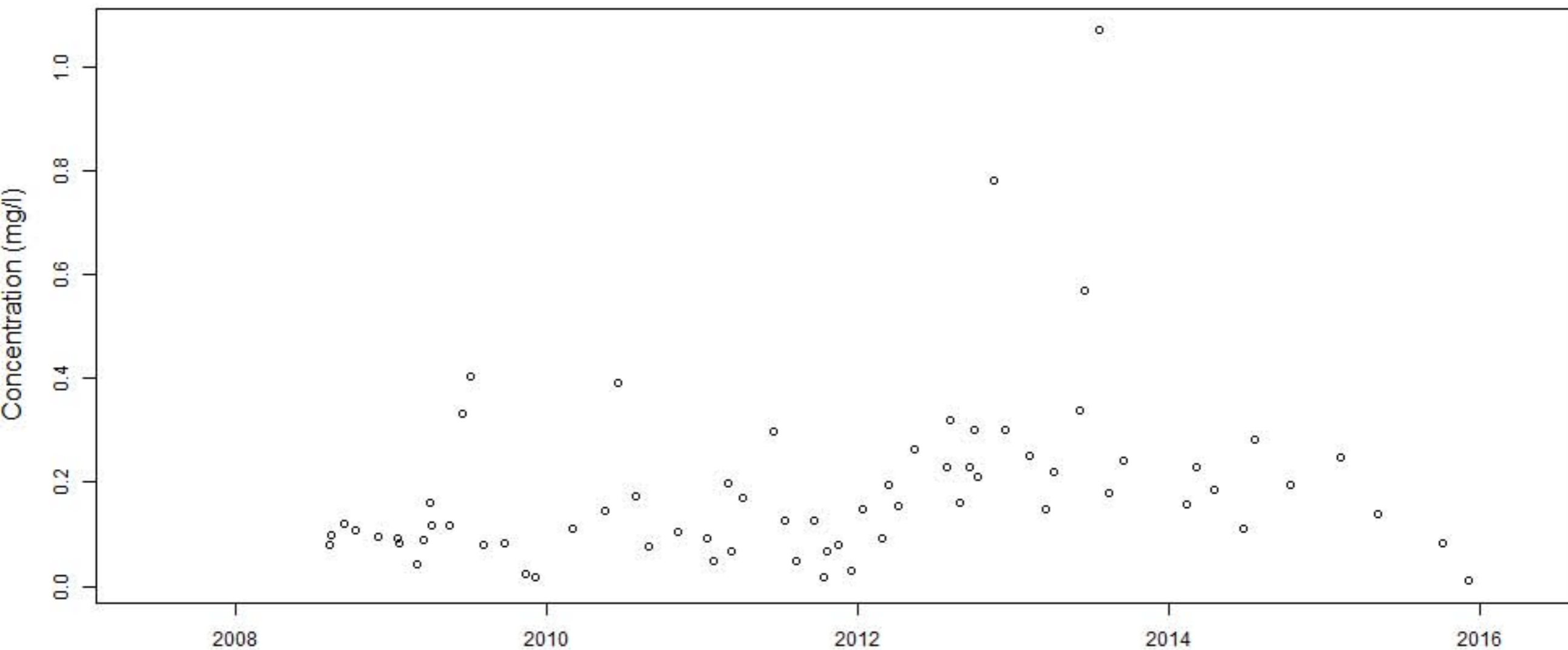
# BECY.7ra.Grab



# BECY.8

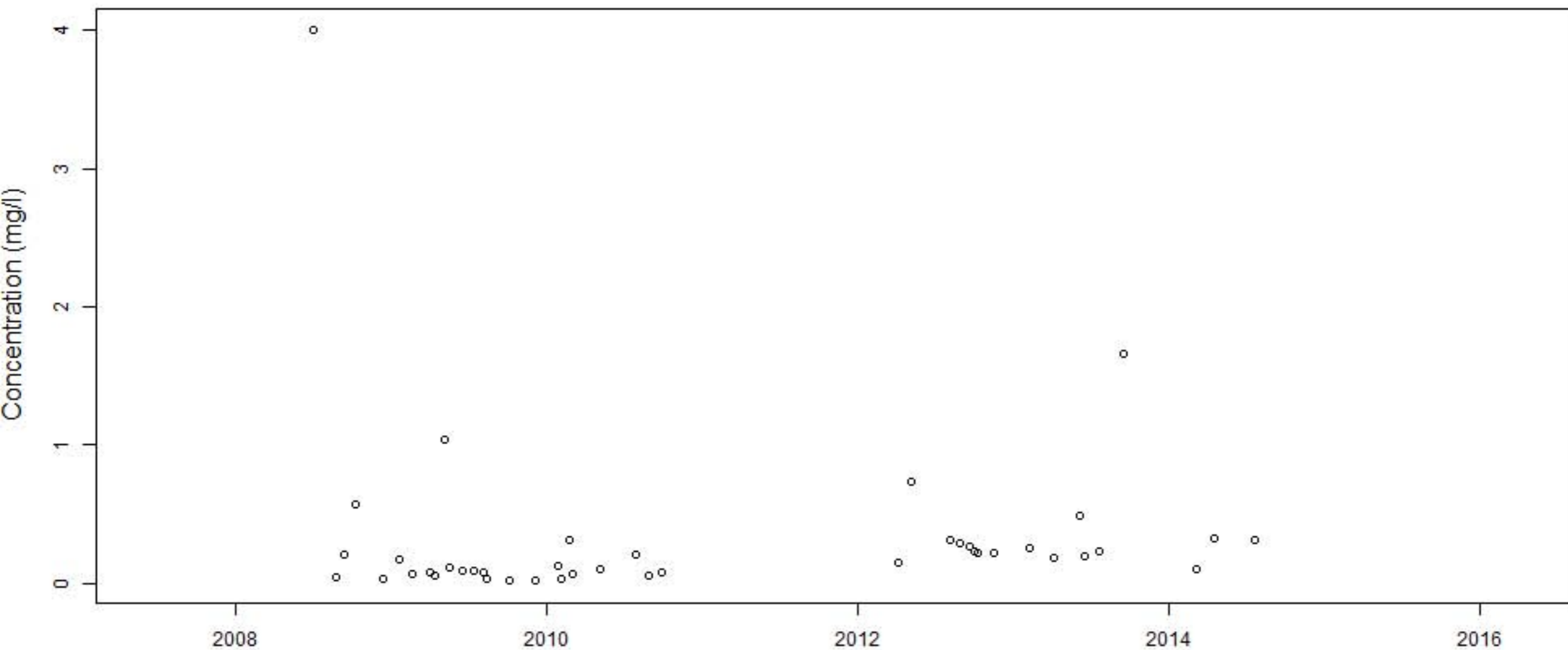


# BECY.8r

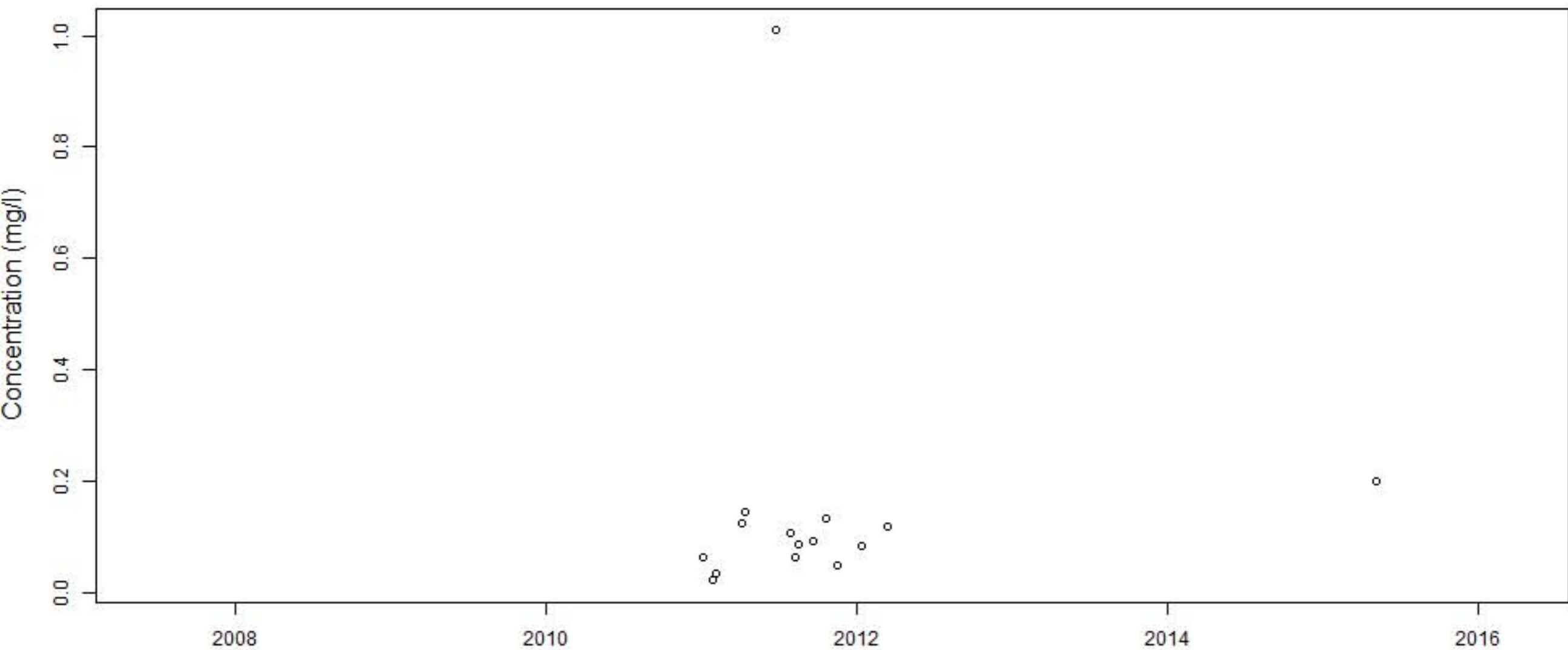




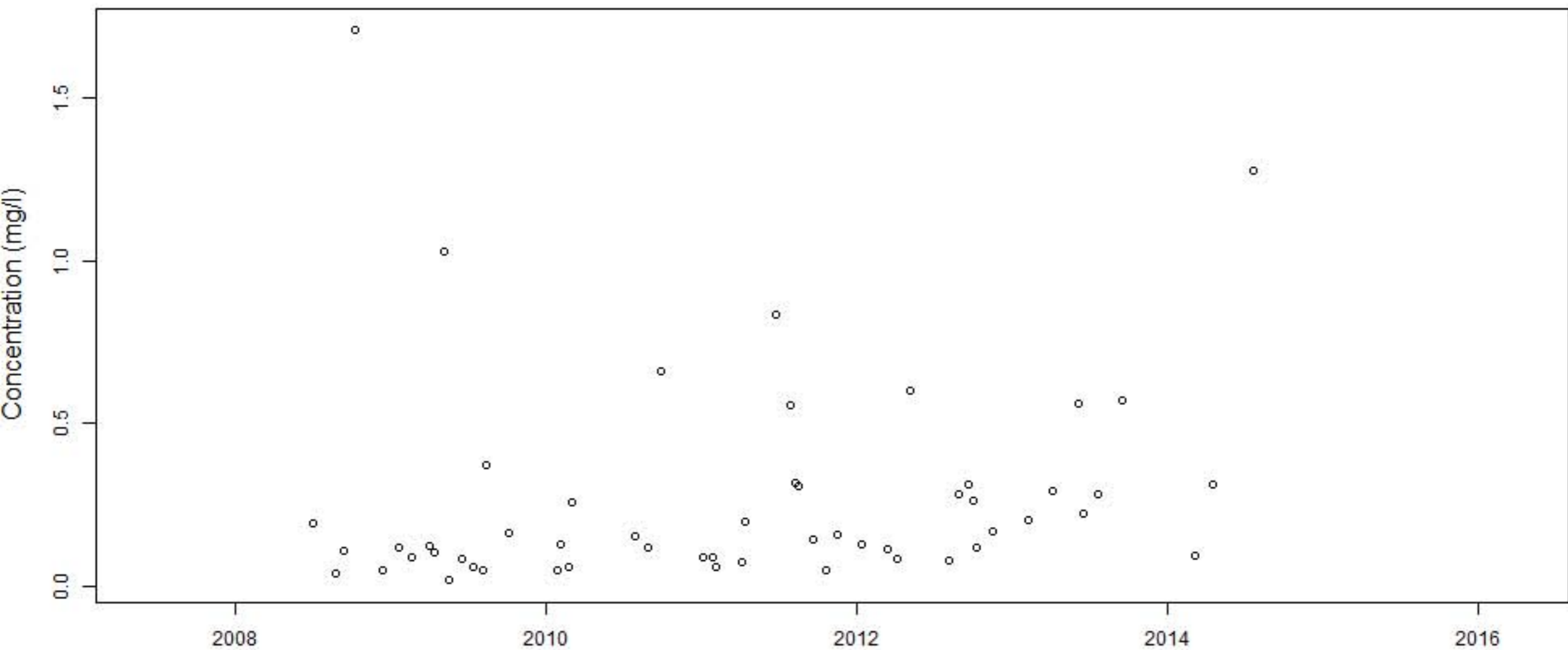
BECY.9ra.Comp



BECY.9ra.Grab.After

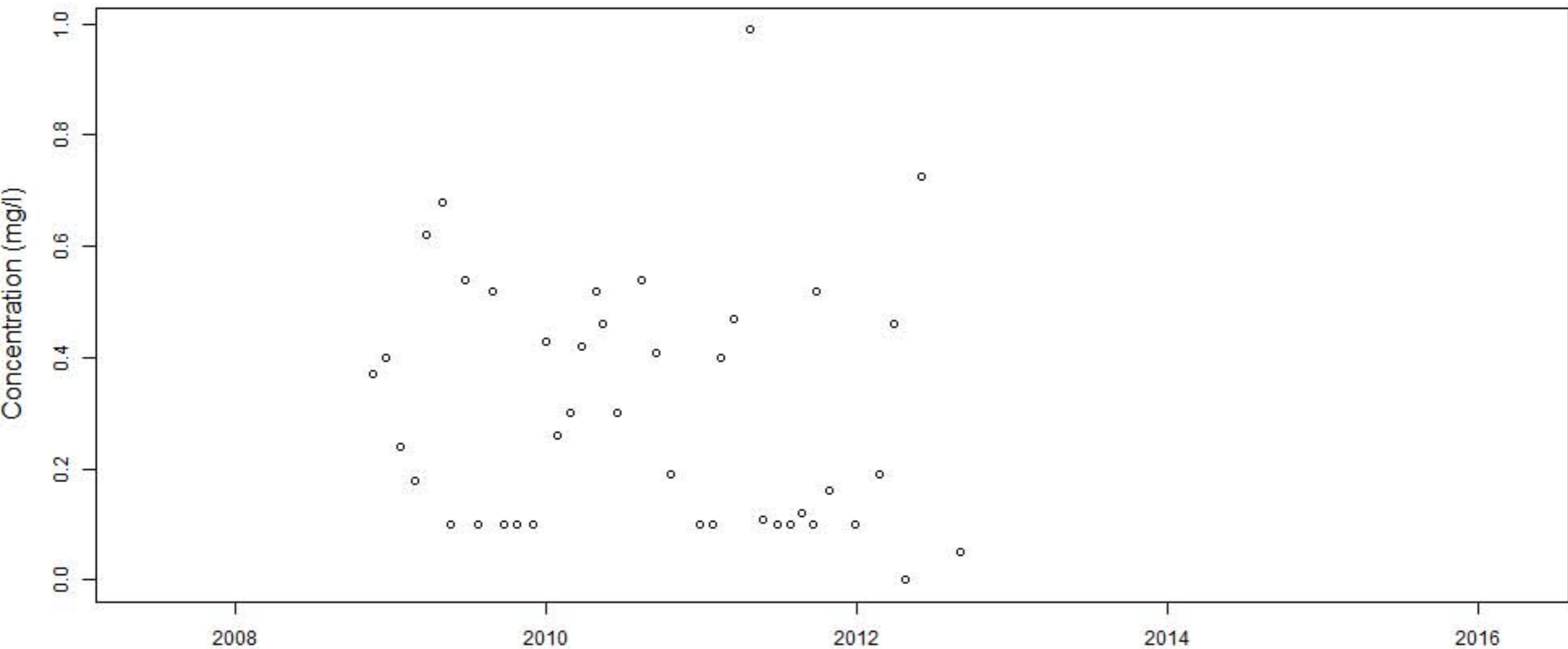


# BECY.9ra.Grab

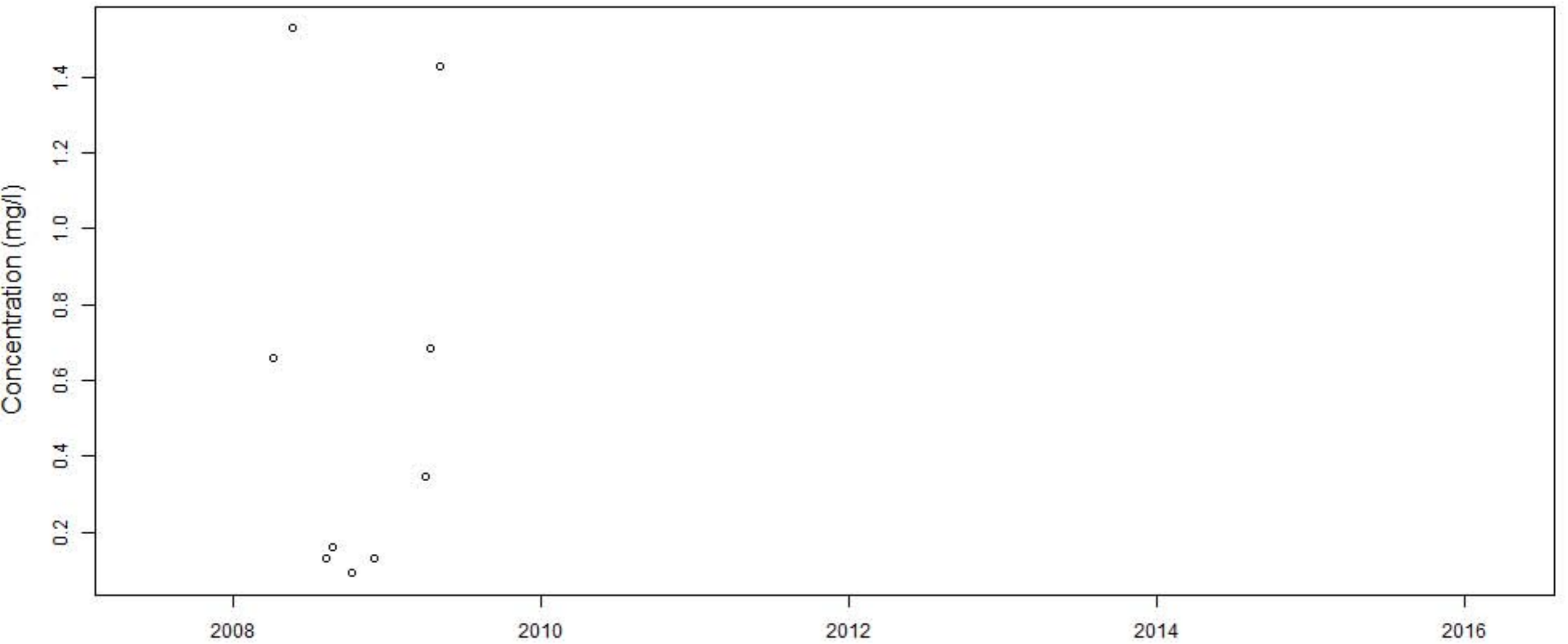




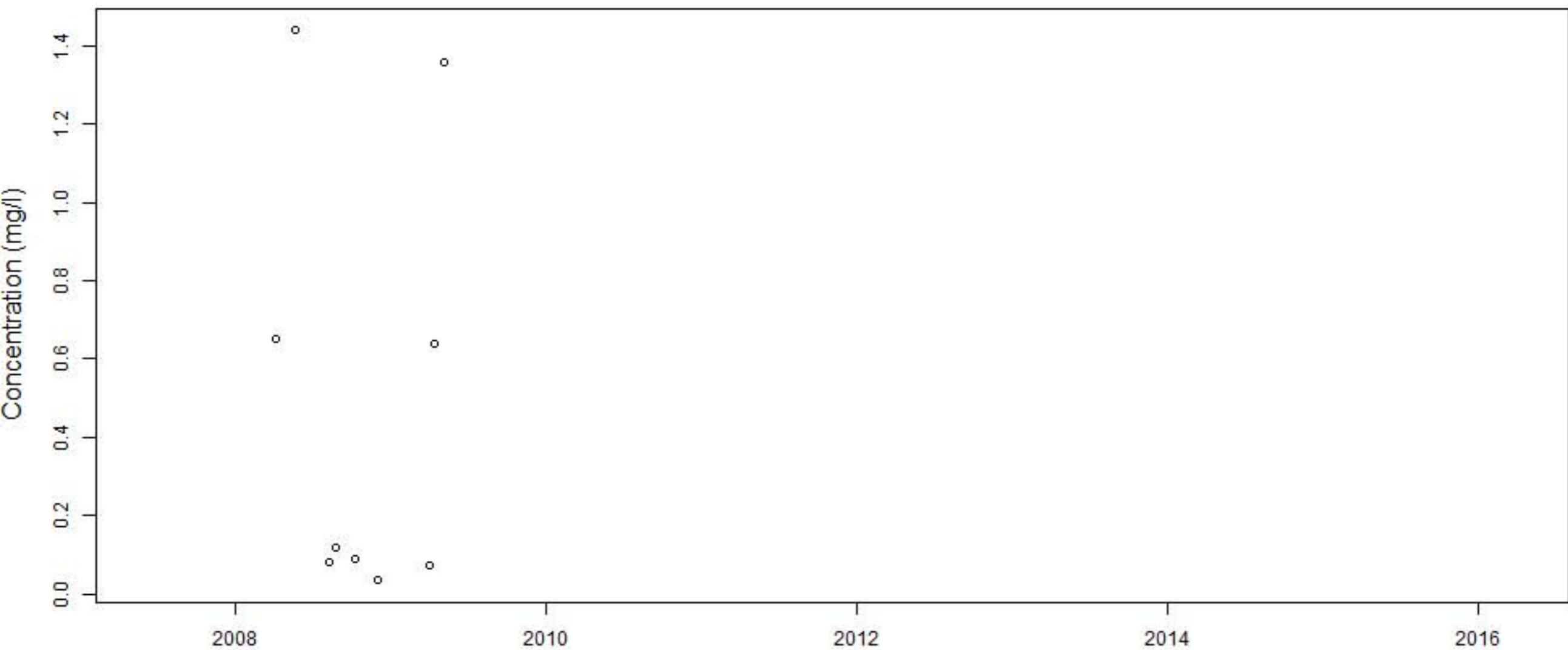
# BLUEWATER



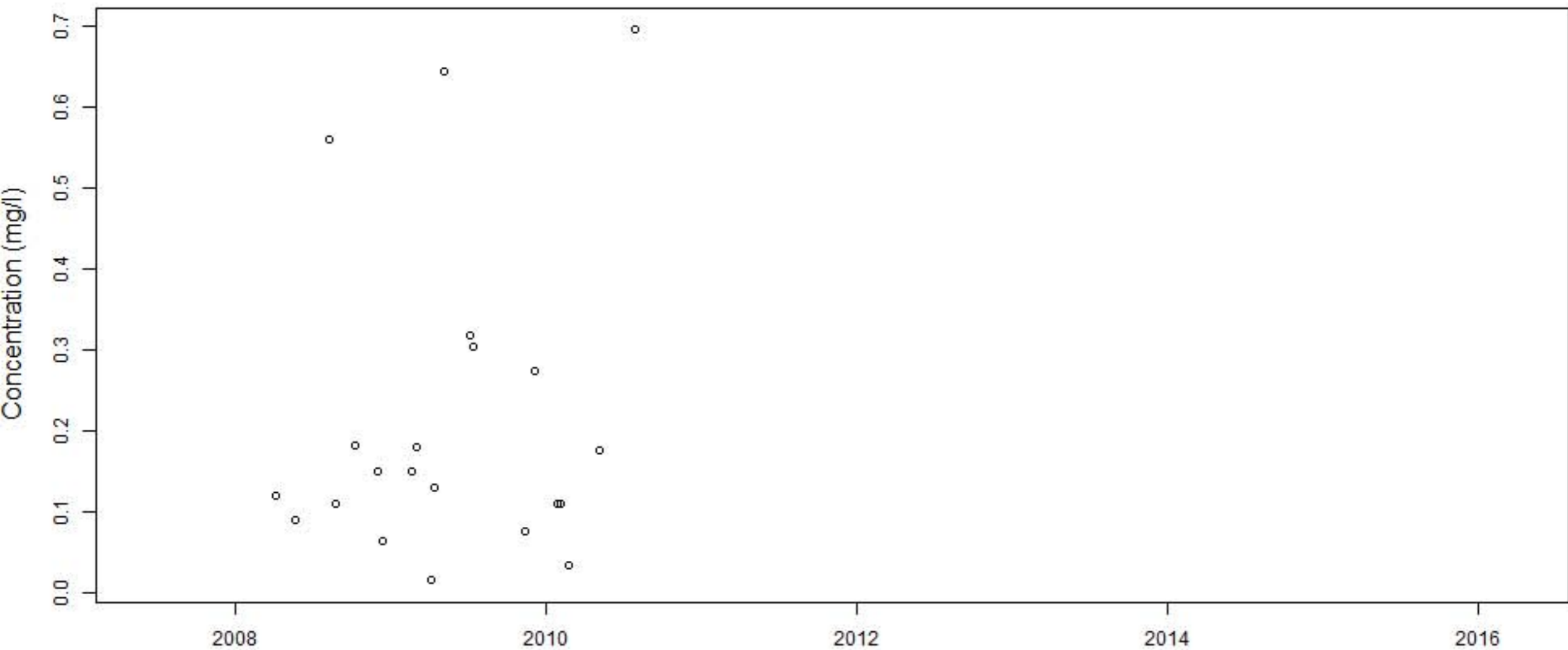
# BM Pep...IN.COMP



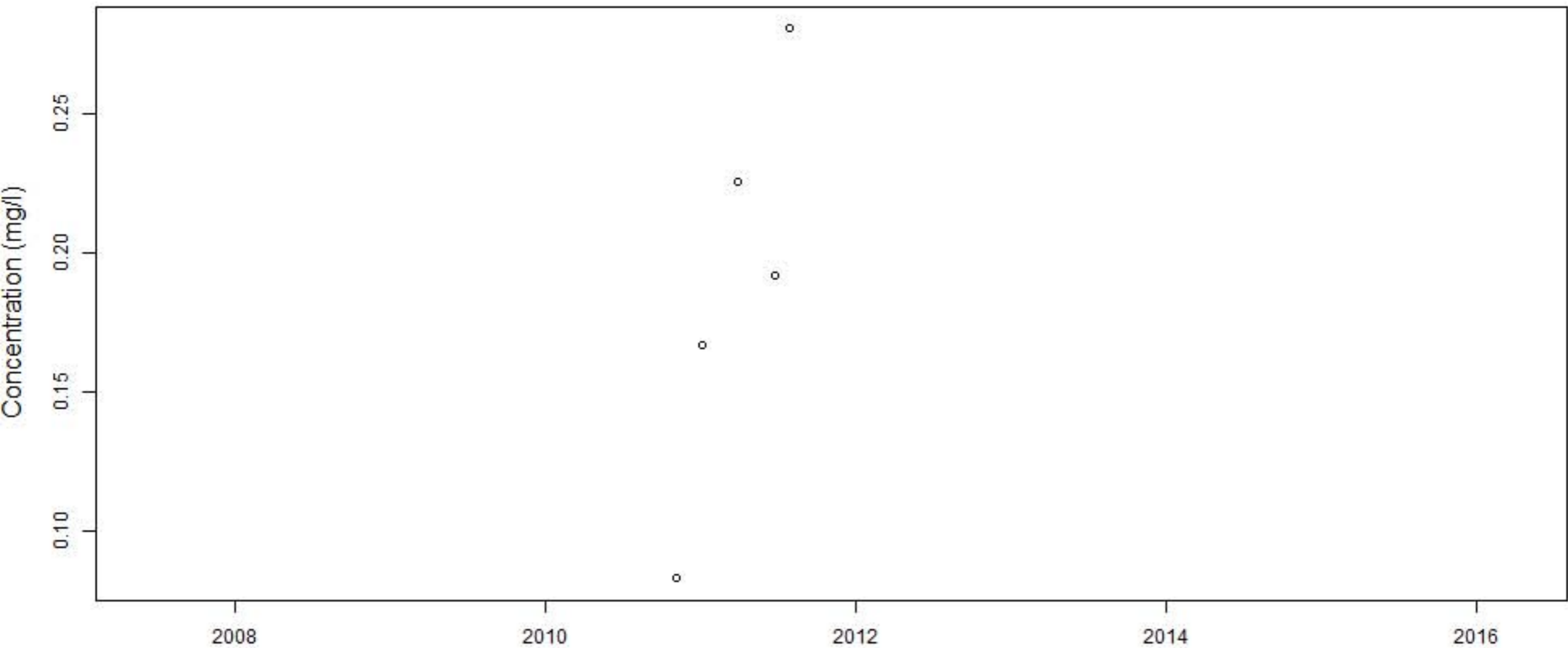
# BM Pep...IN.GRAB



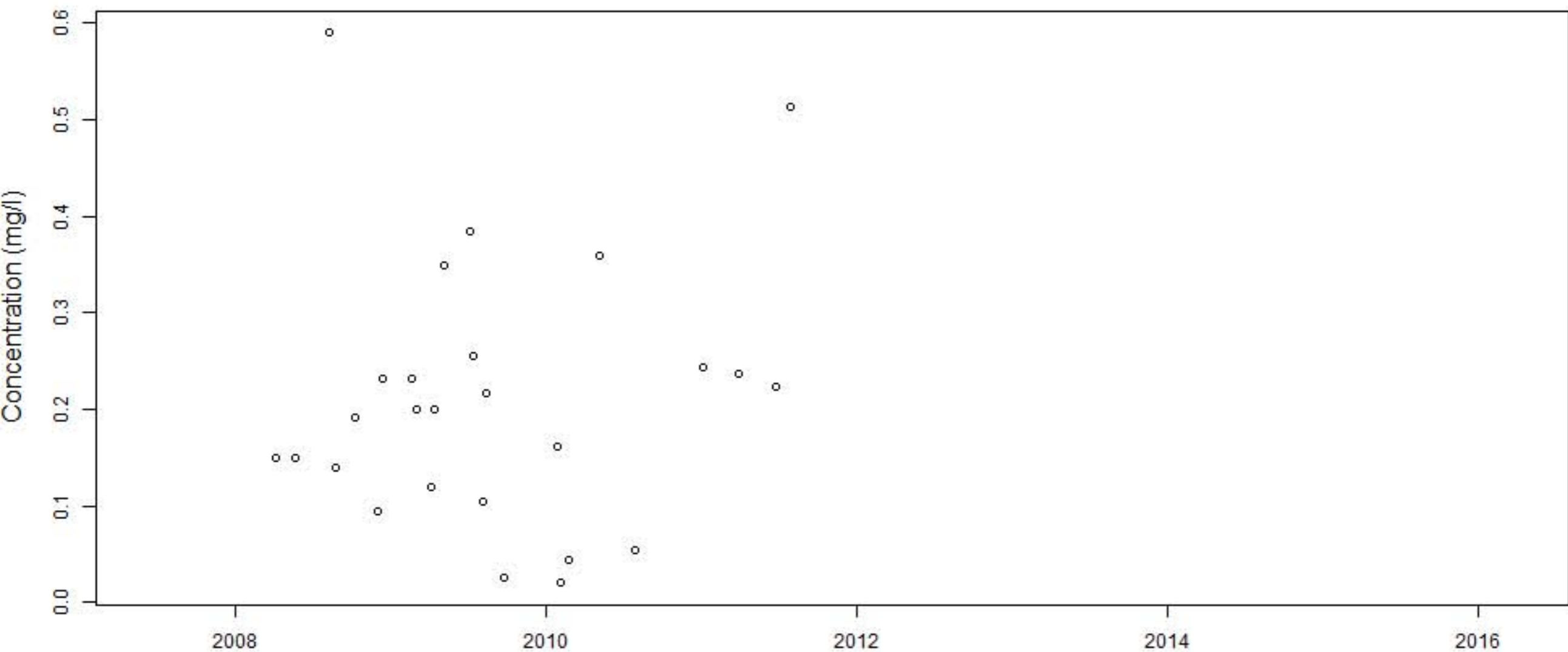
BMPep...OUT.COMP



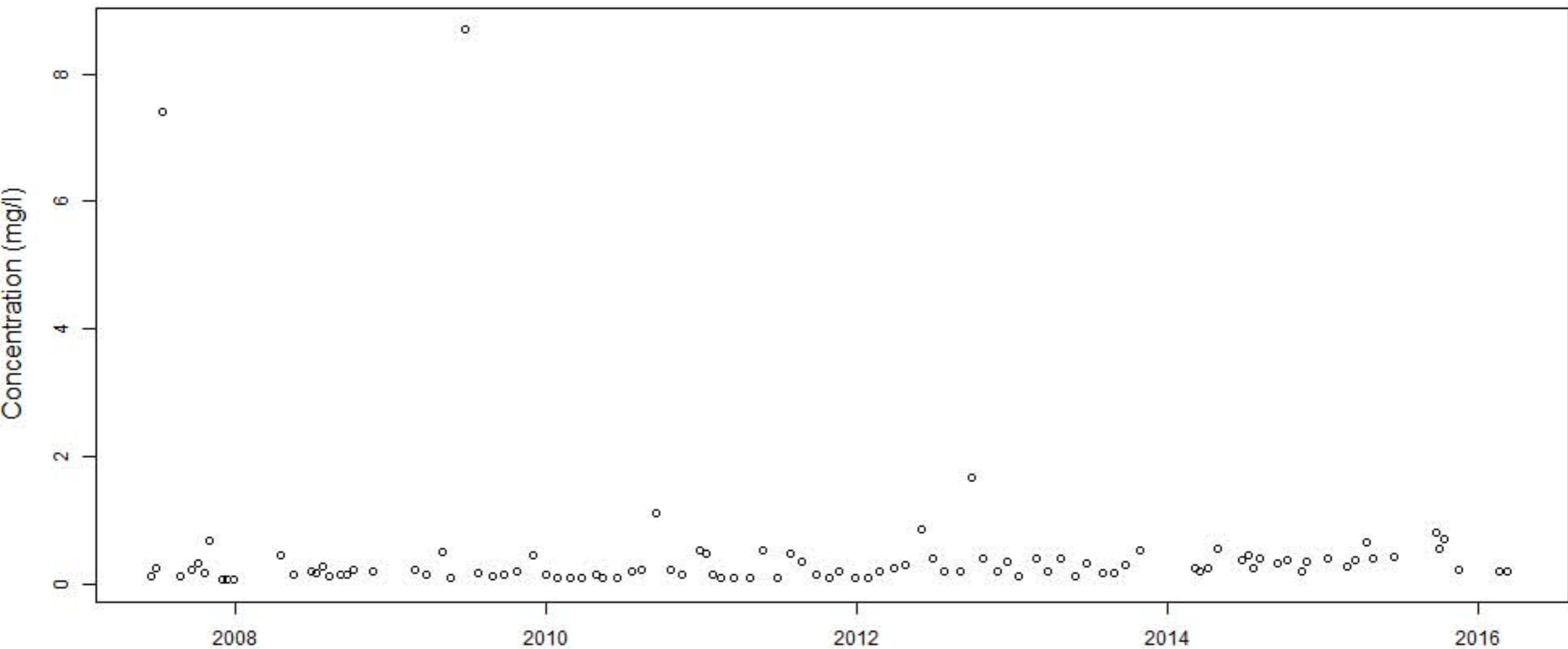
# BM Pep...OUT.GRAB.AFTER



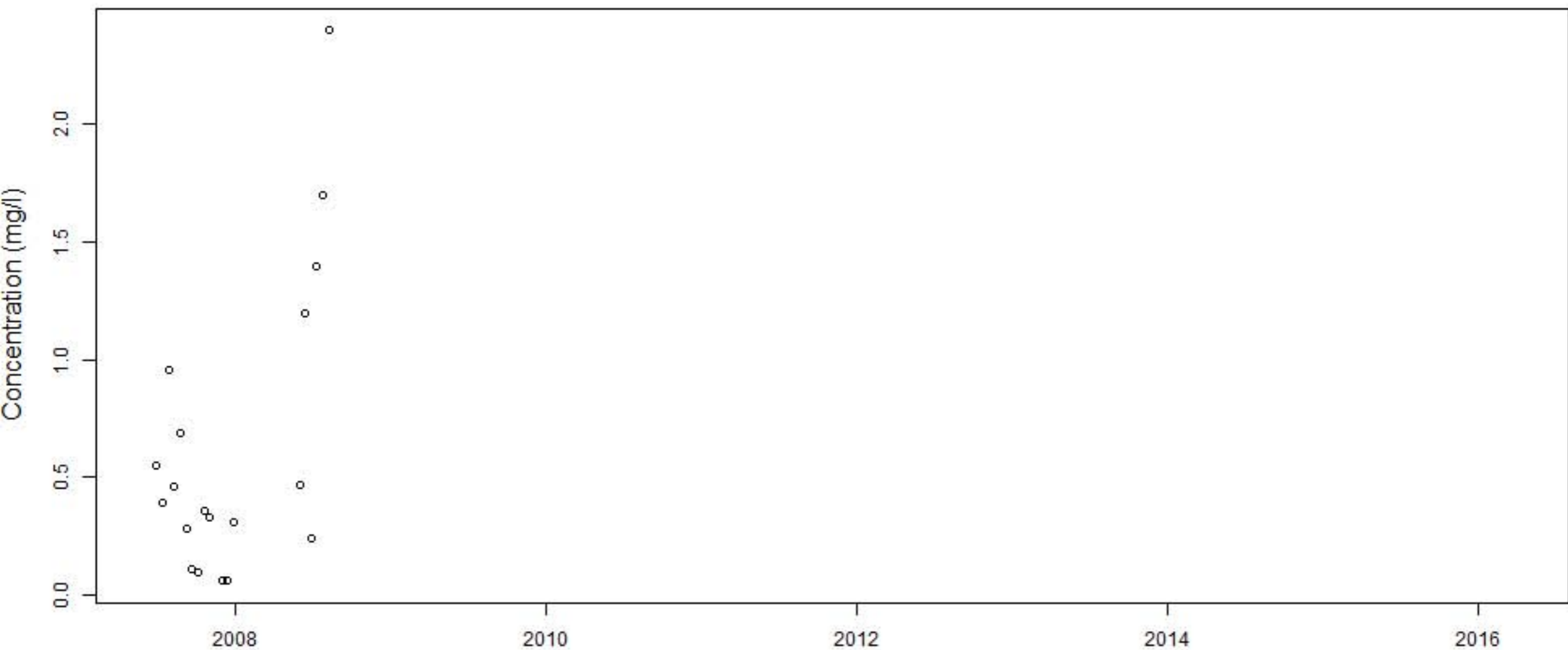
# BM Pep...OUT.GRAB



# BROAD.POINTE

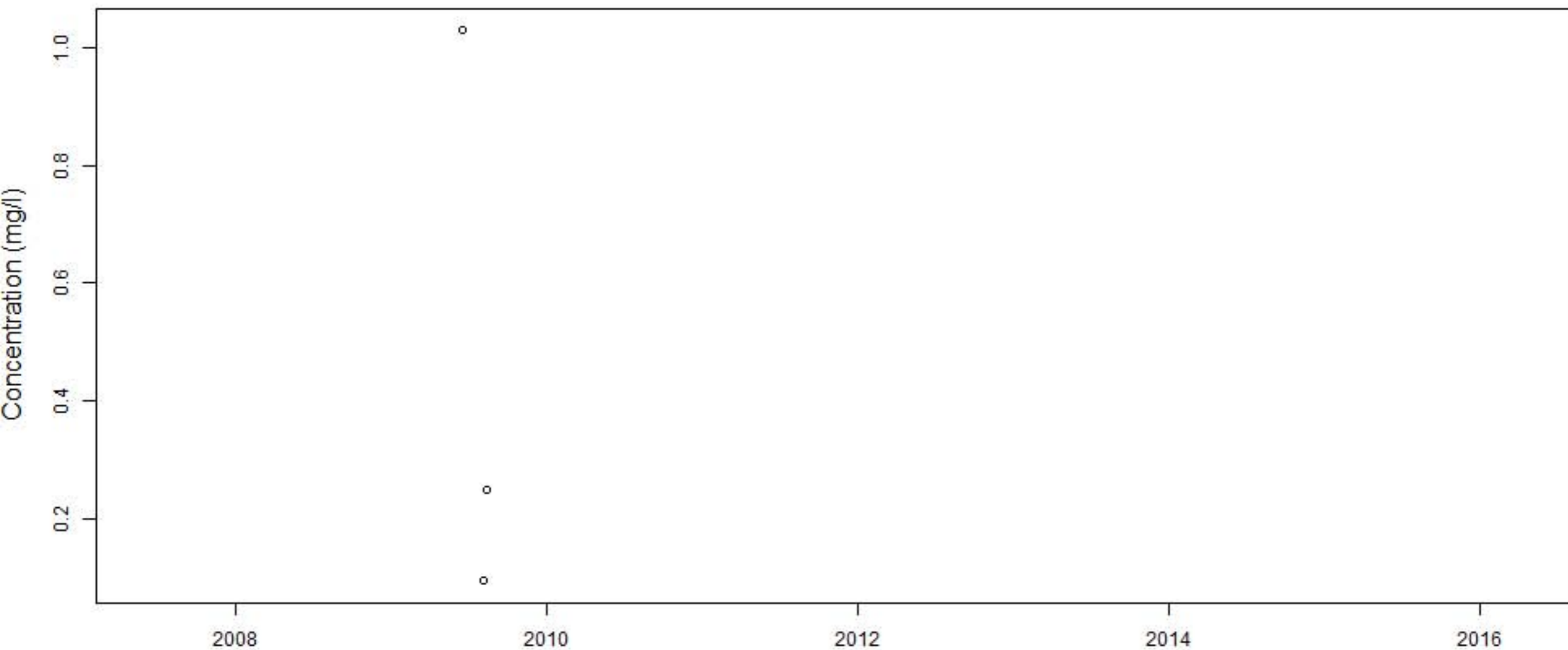


# BURKE.S.BEACH

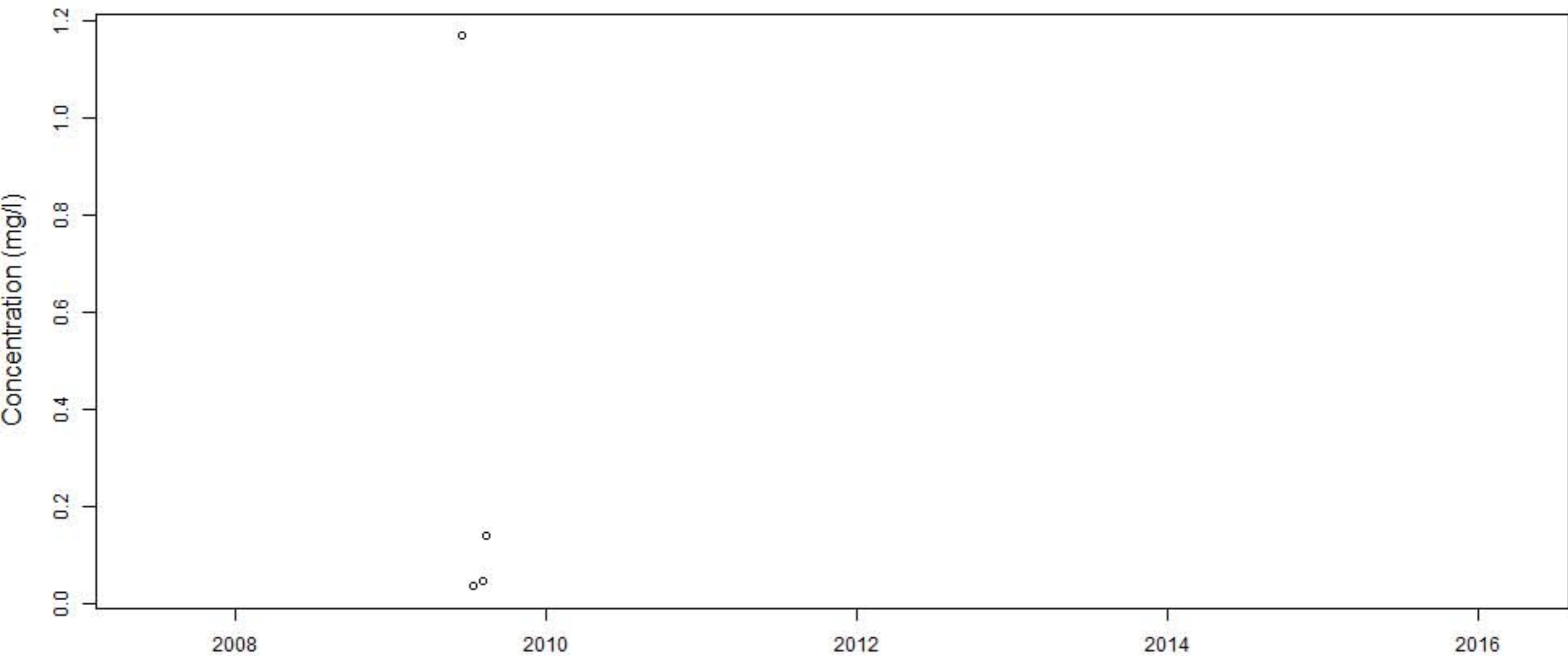




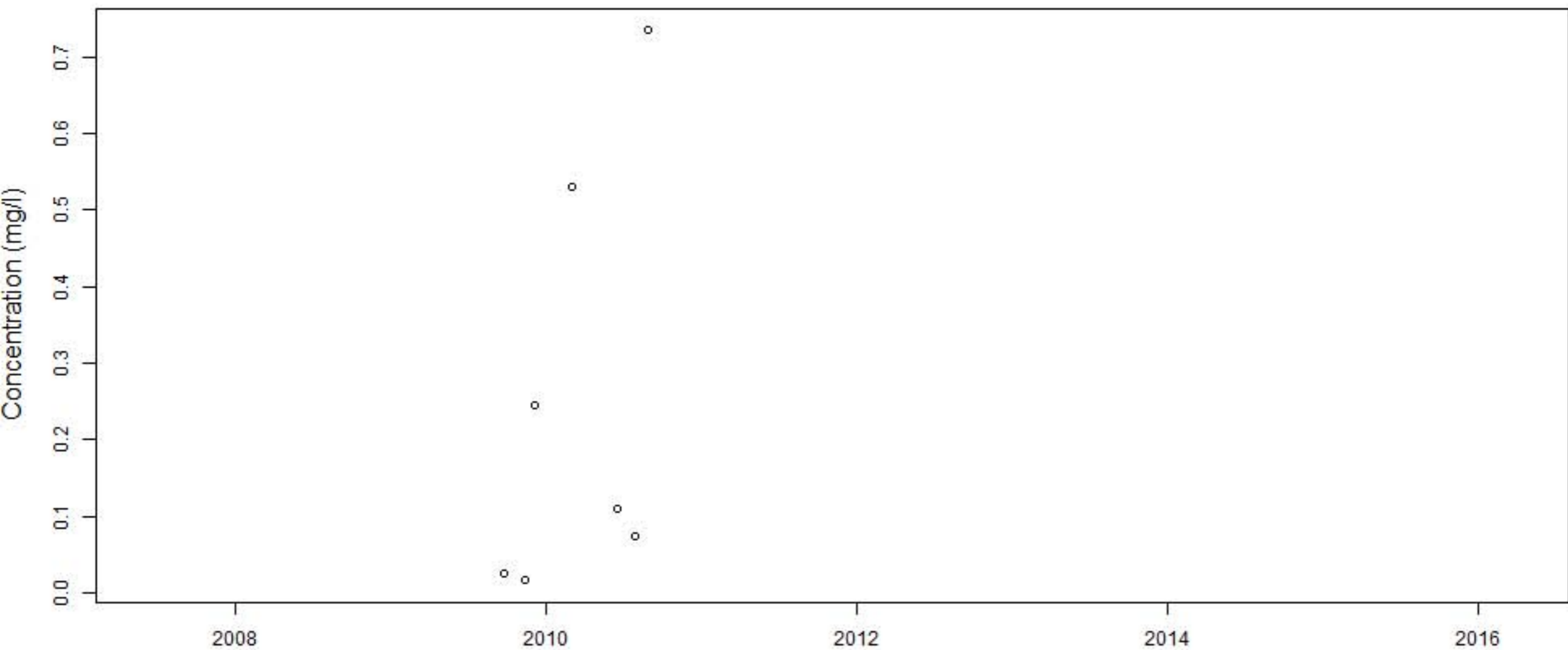
# Christine.Place.Comp



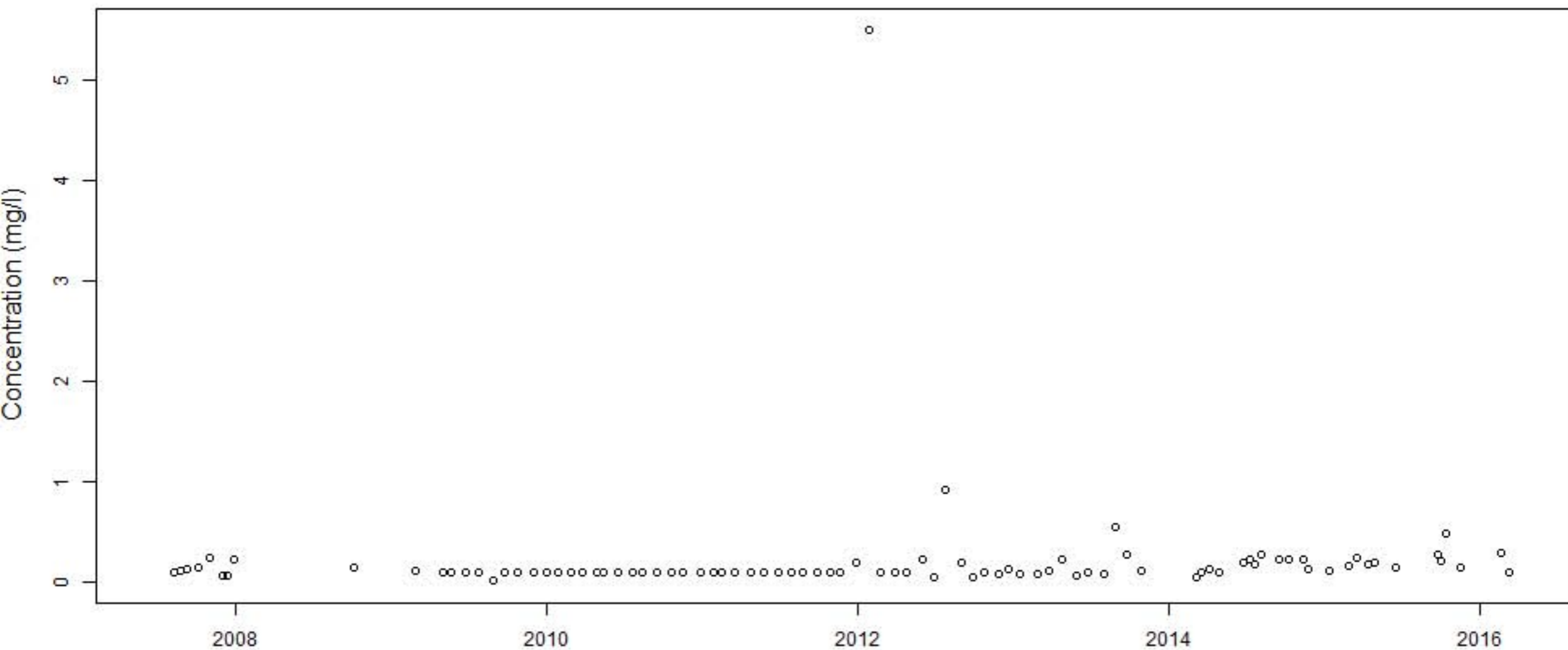
### Christine.Place.Grab



# Christine.Place.R

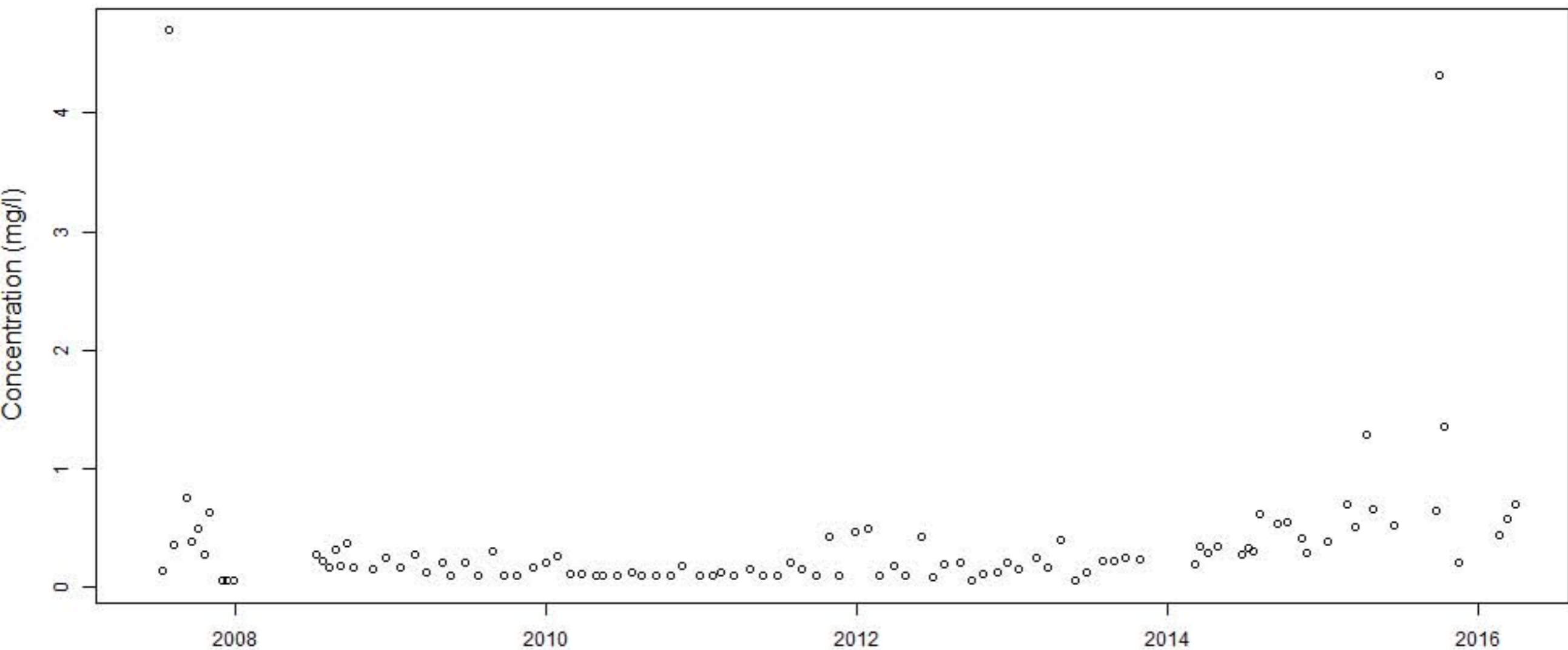


# CRACKER.BARREL



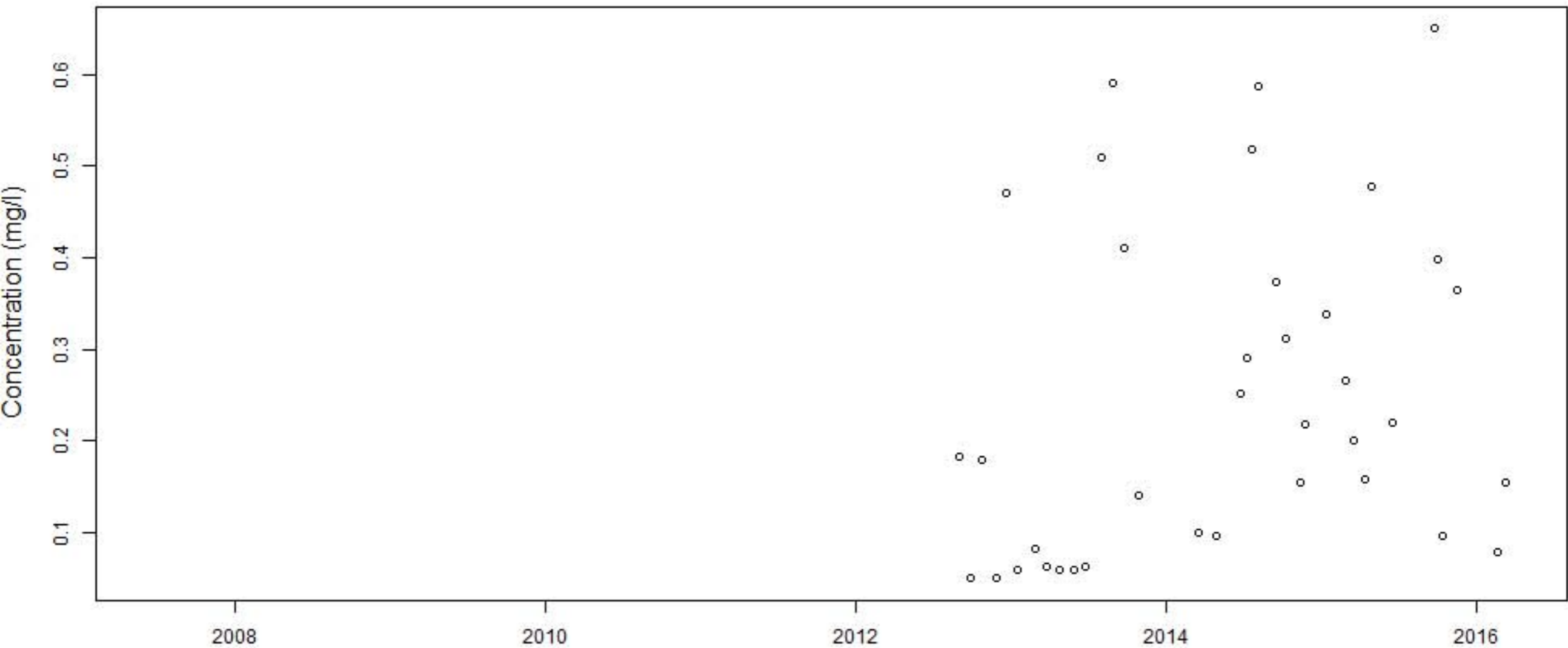


# CSA



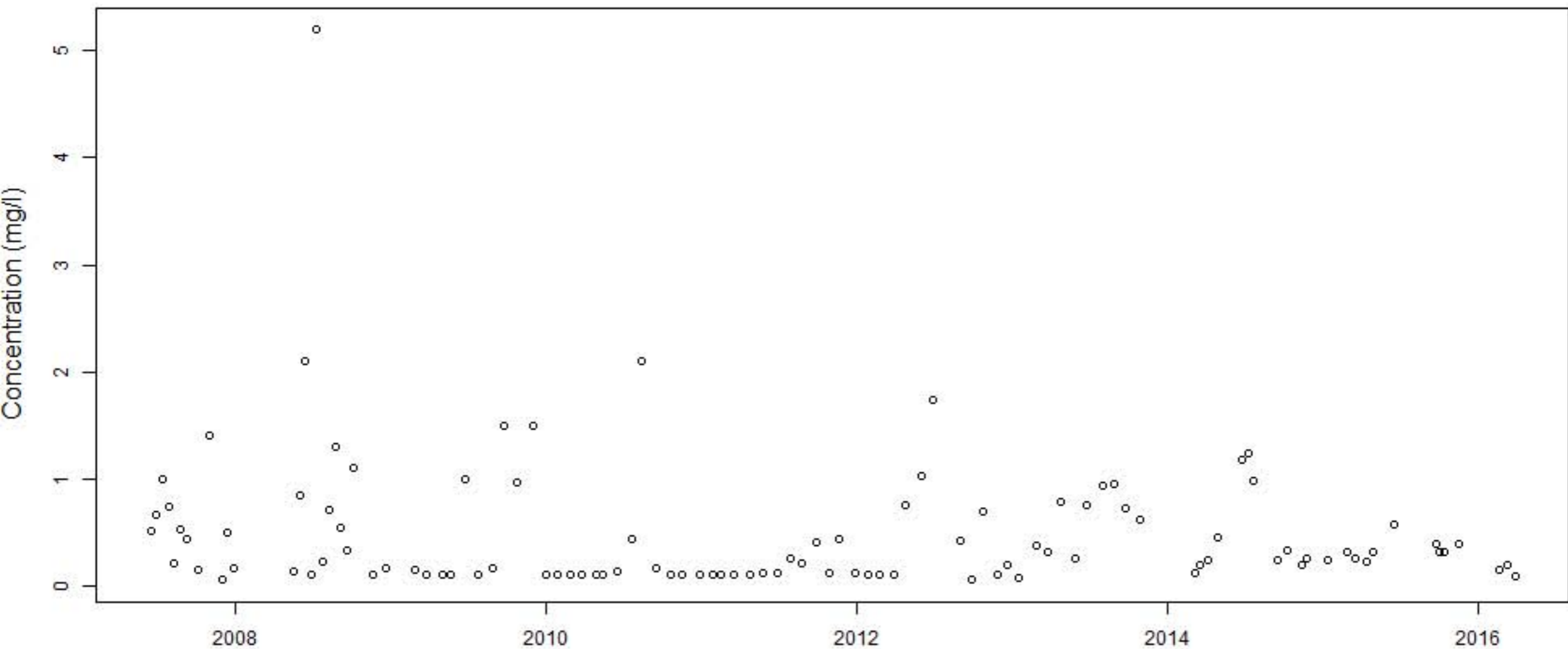


# FISH.HAUL

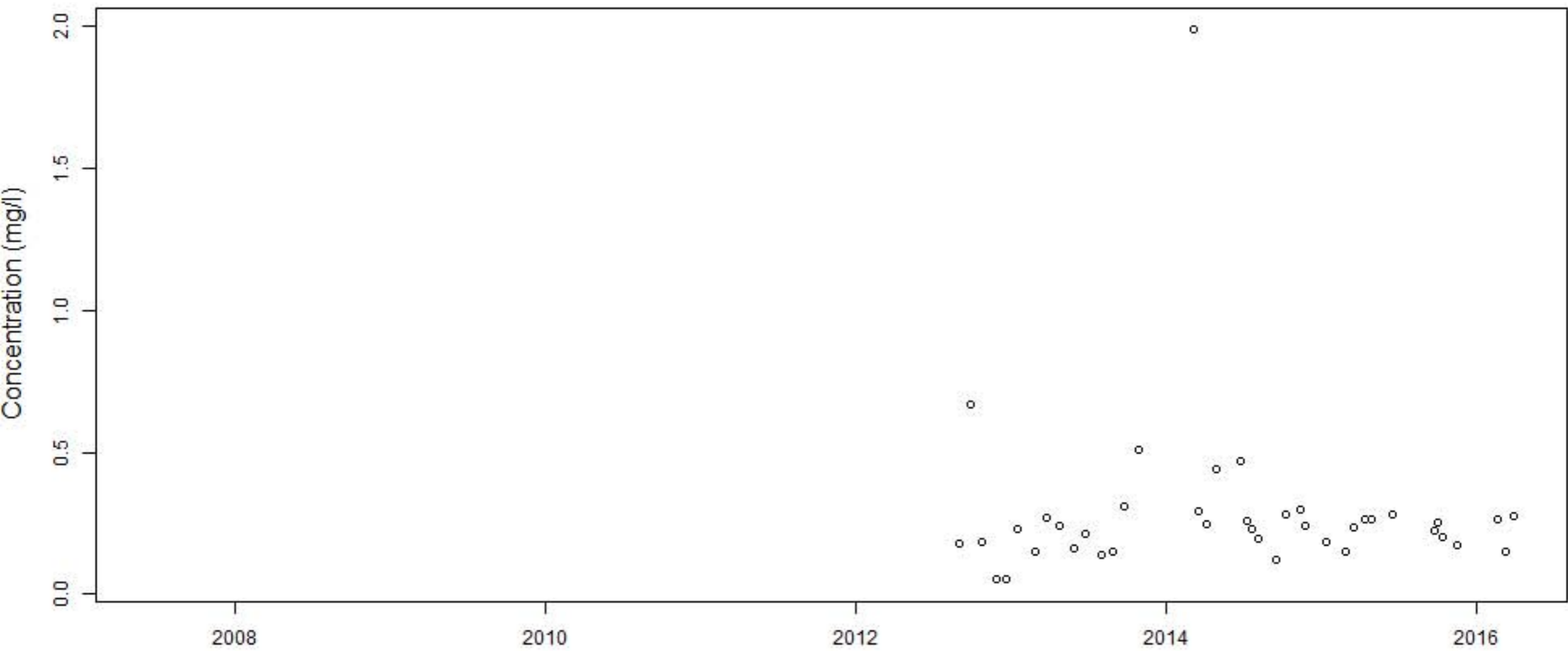




### GUM.TREE

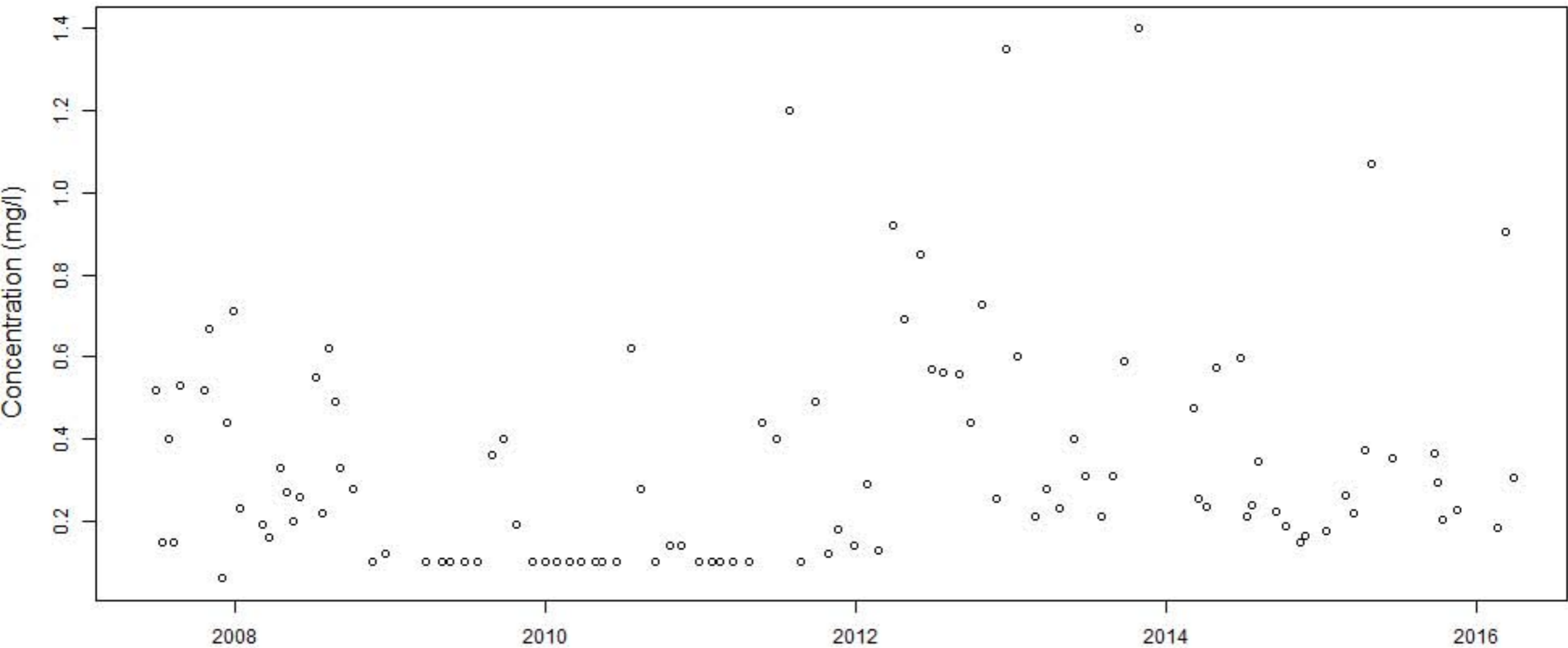


# HARBOR.MANOR

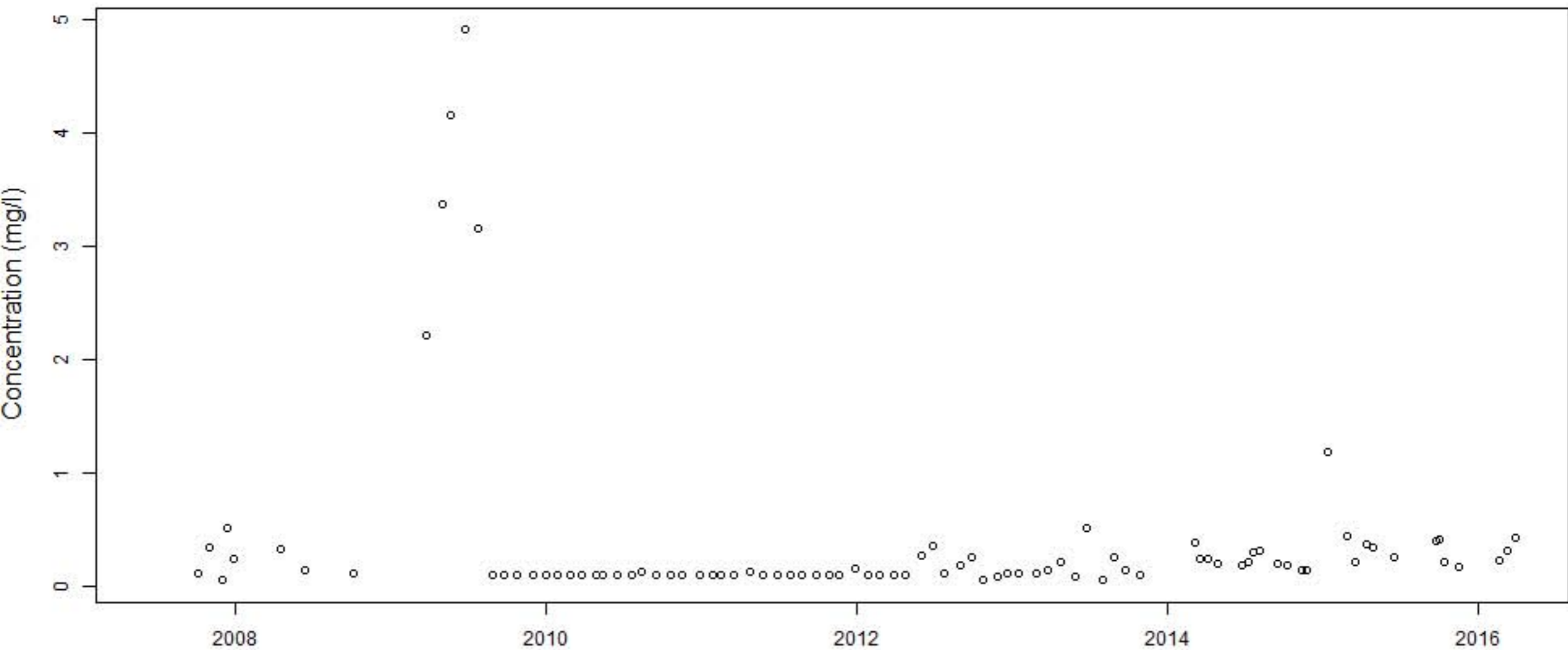




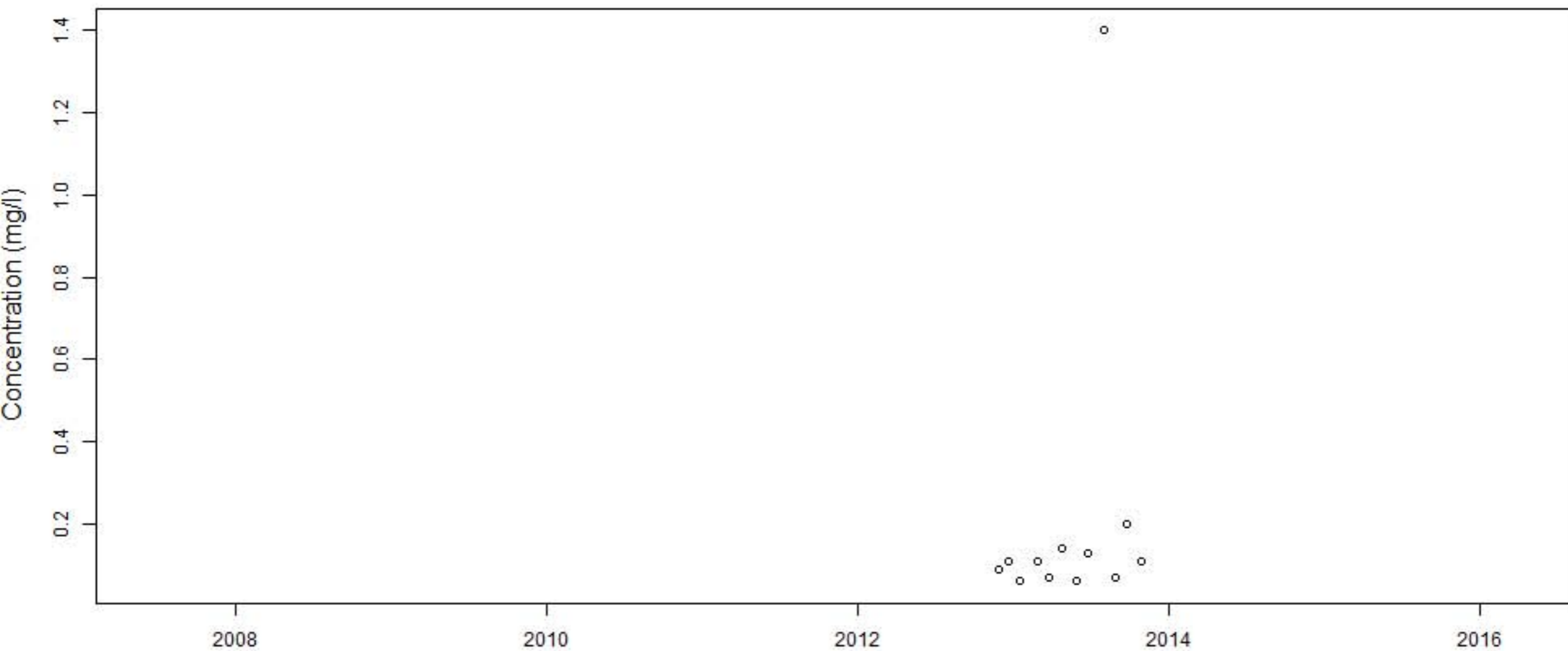
# JARVIS.1



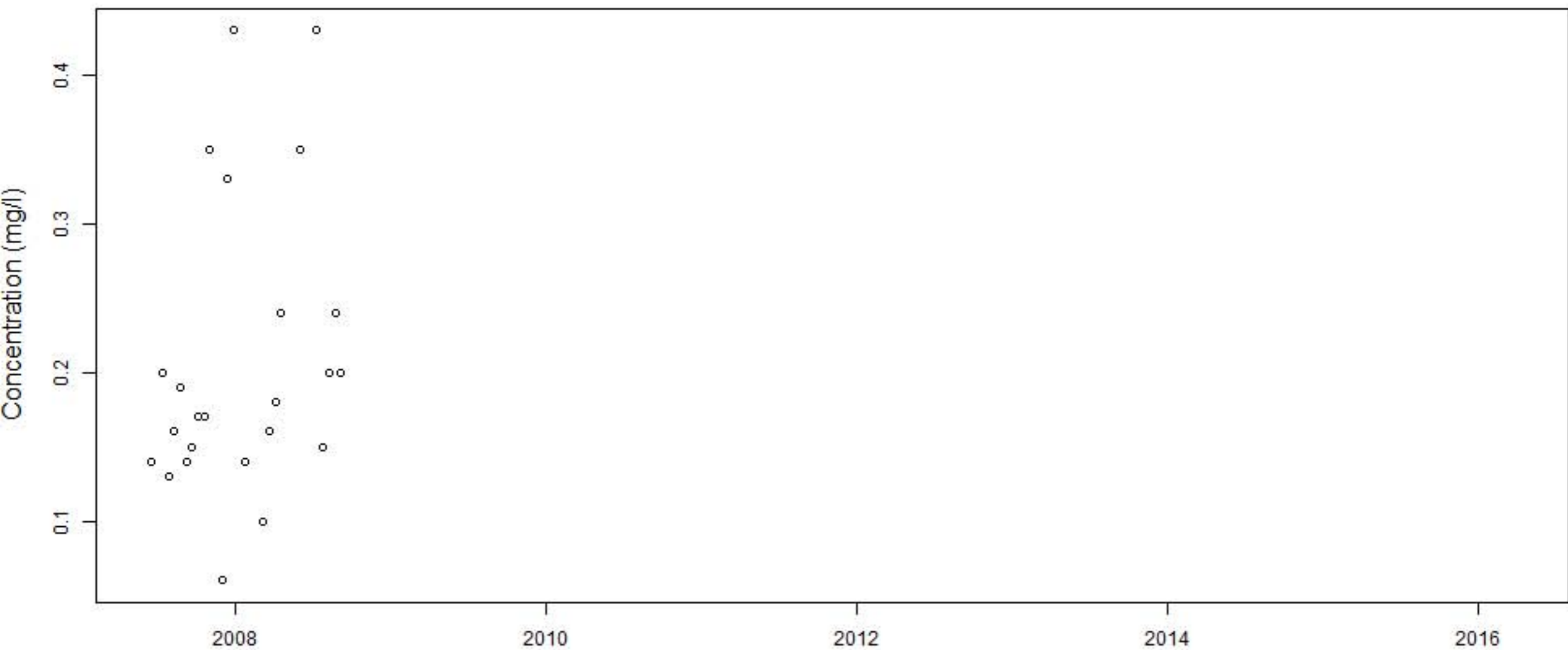
# JARVIS.2



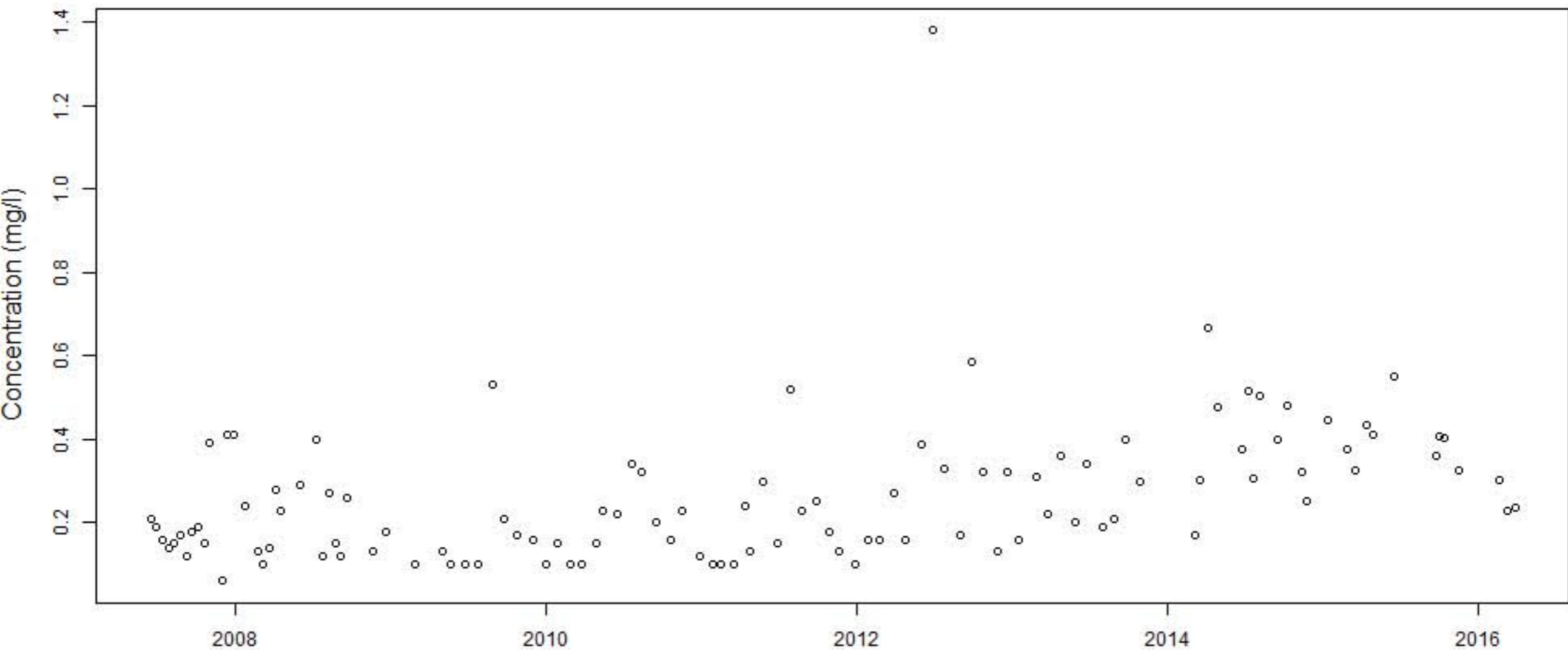
# JARVIS.3



# MATHEWS.1



MATHEWS.2

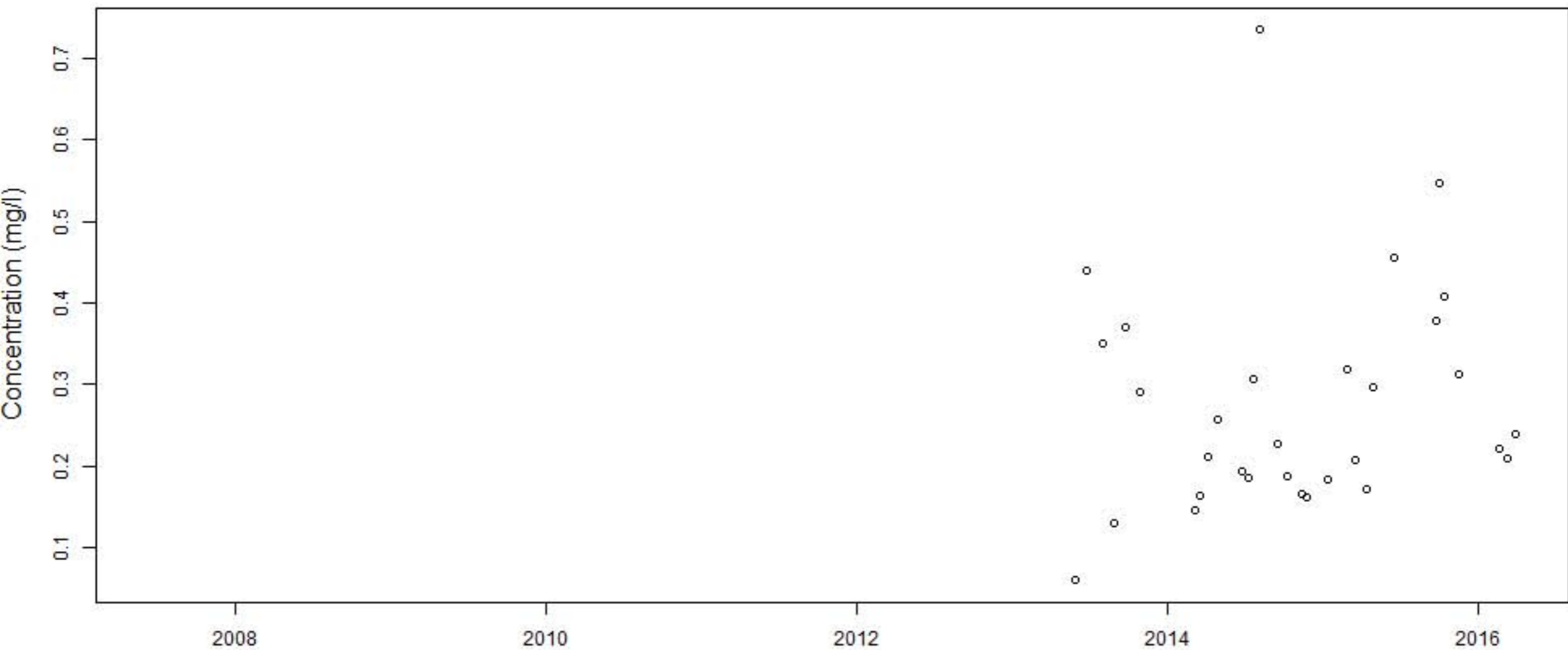






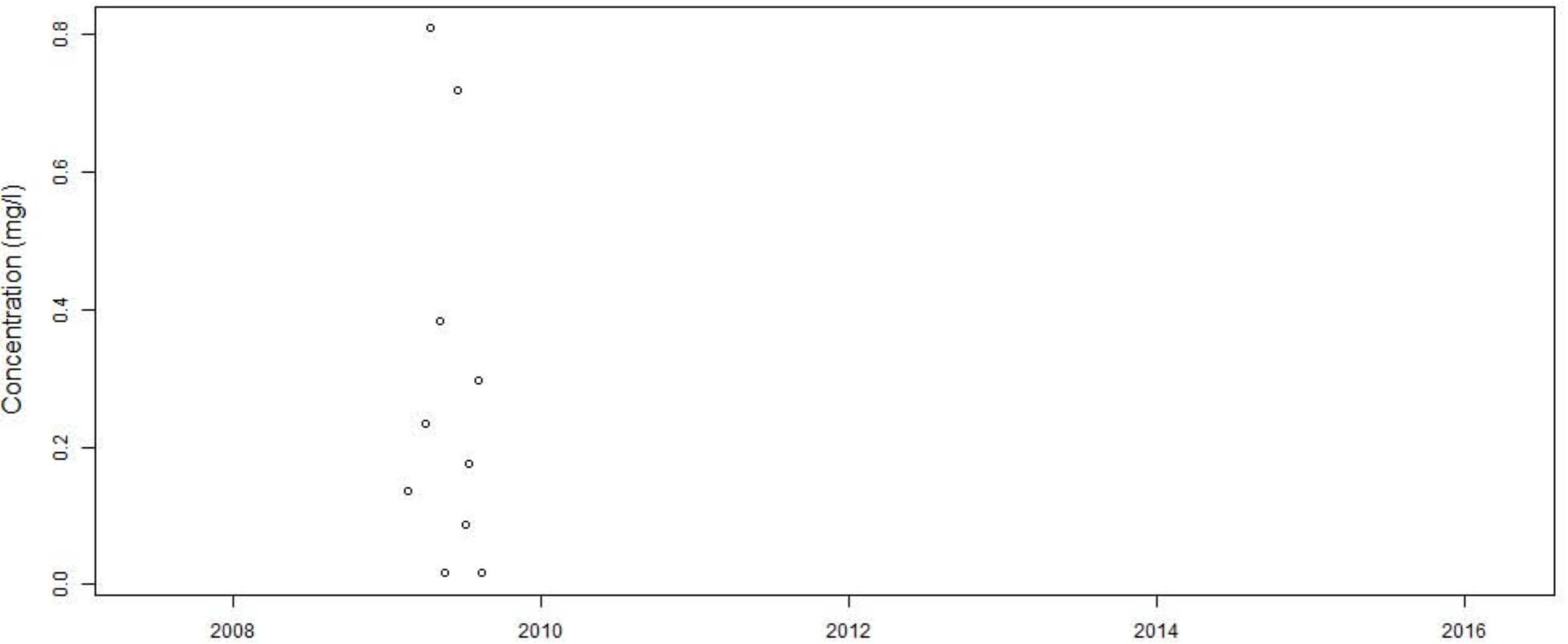


# PALMETTO.DUNES

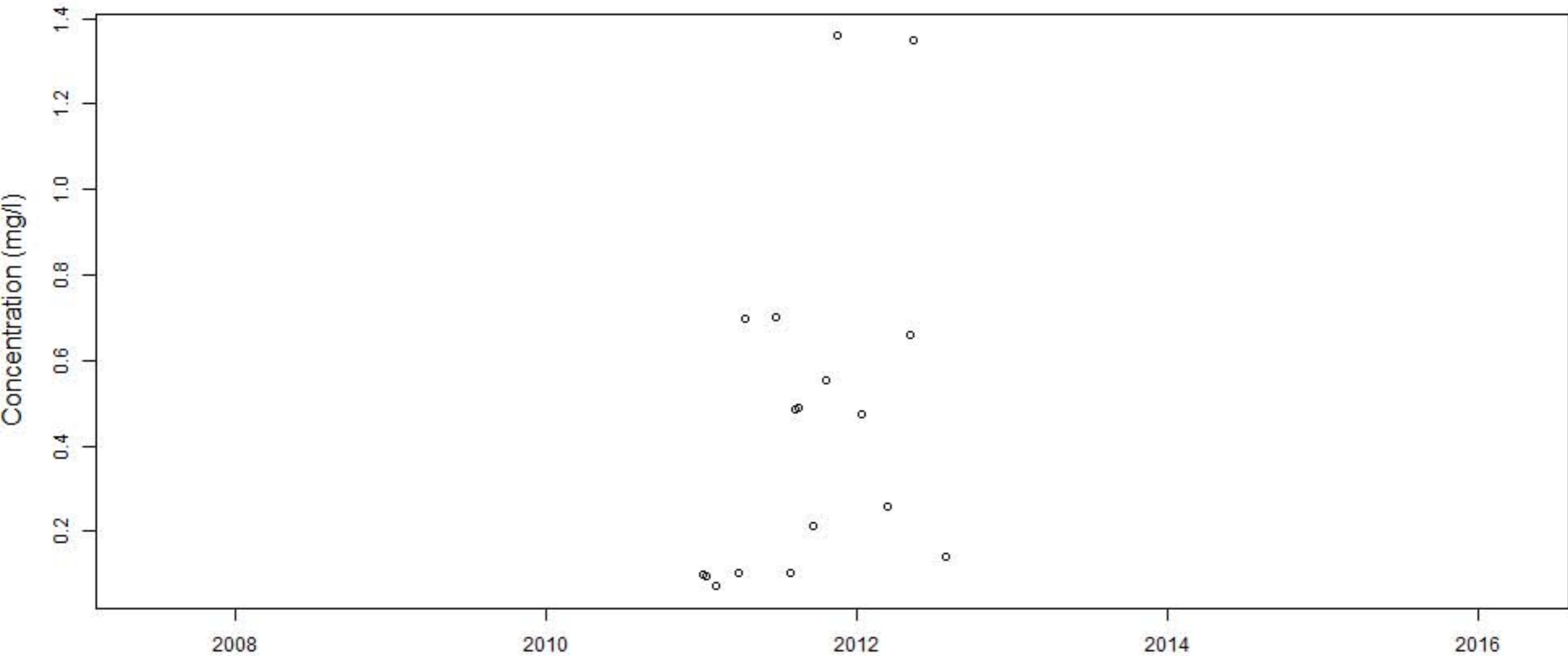




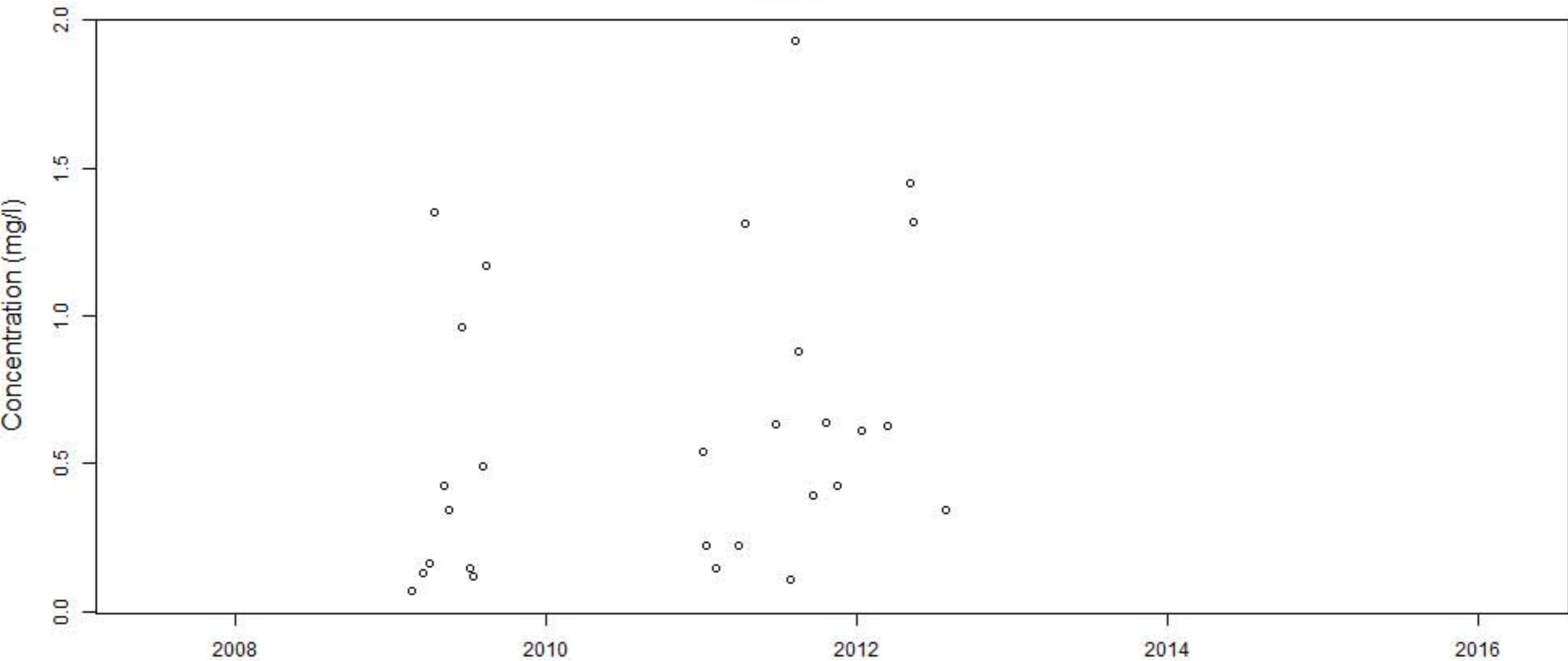
# Southside.Comp



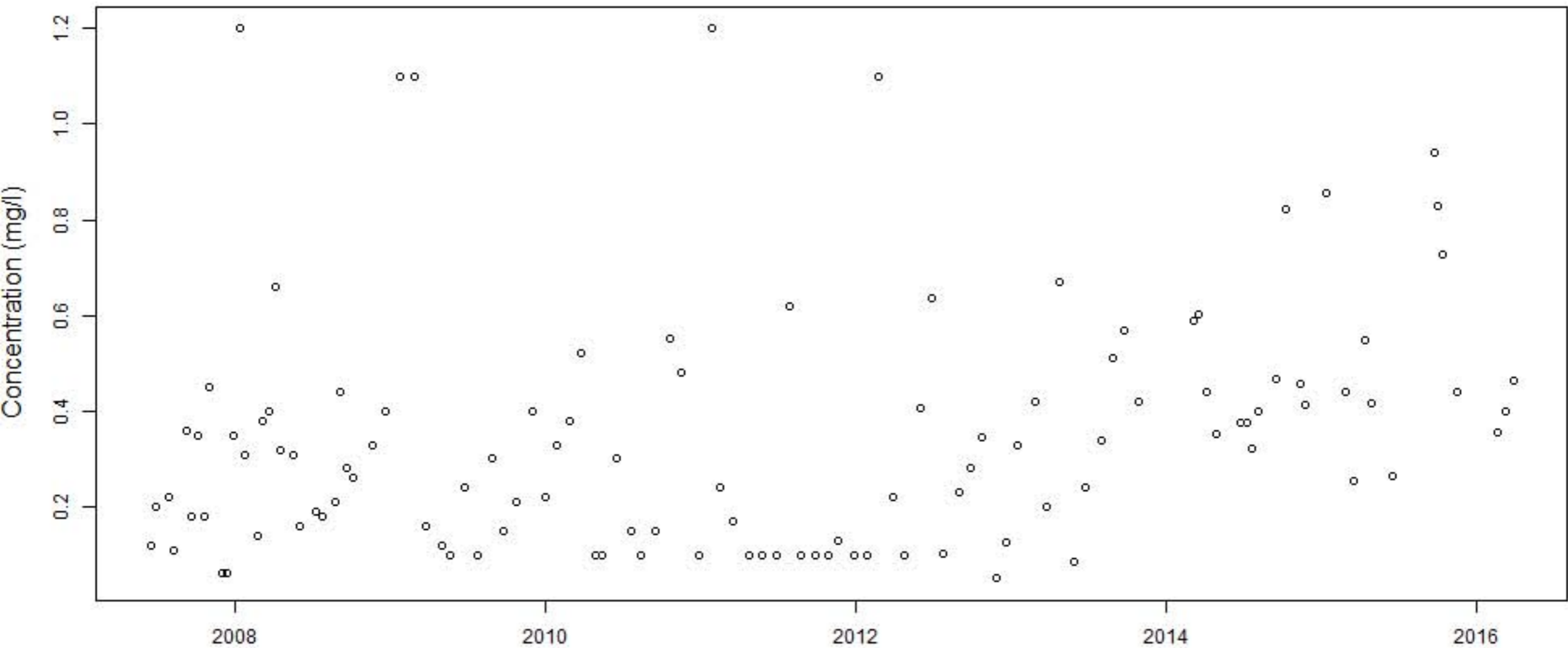
### Southside.Grab.After



### Southside.Grab

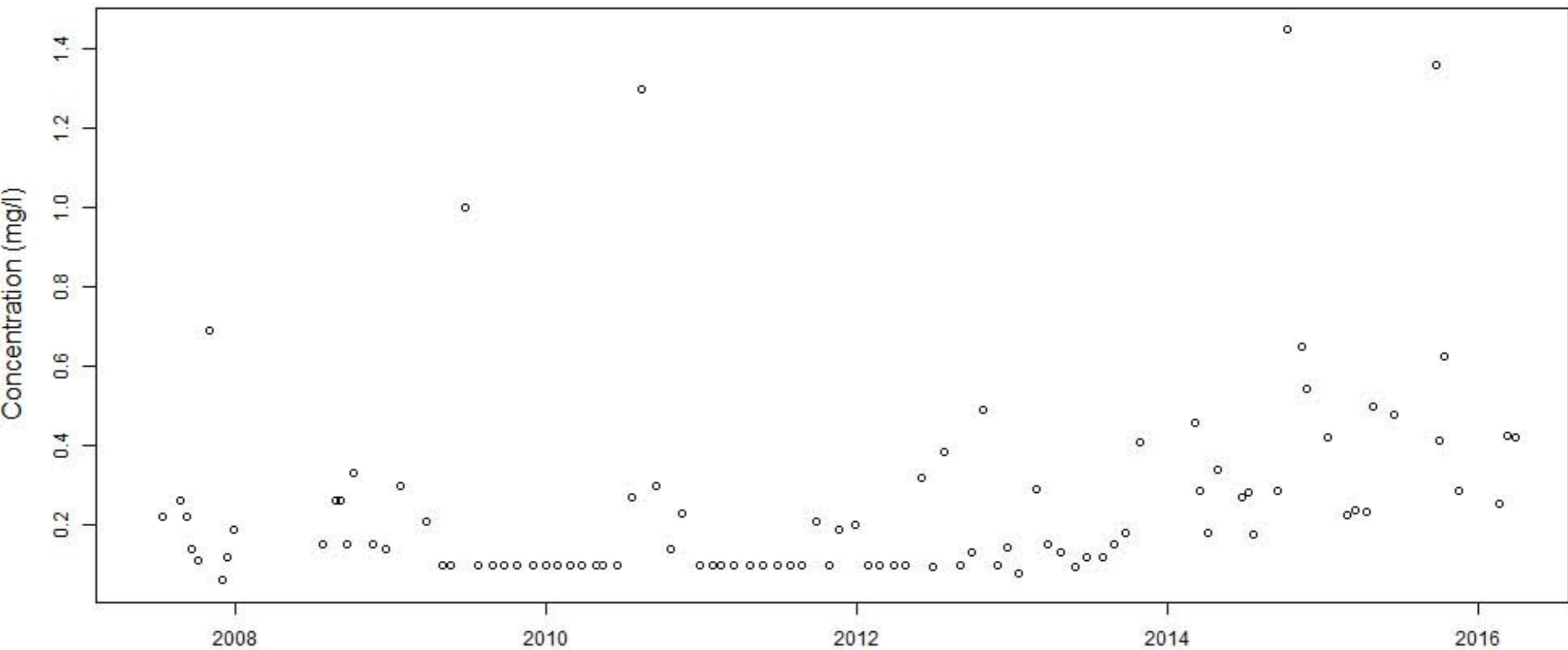


# WEXFORD



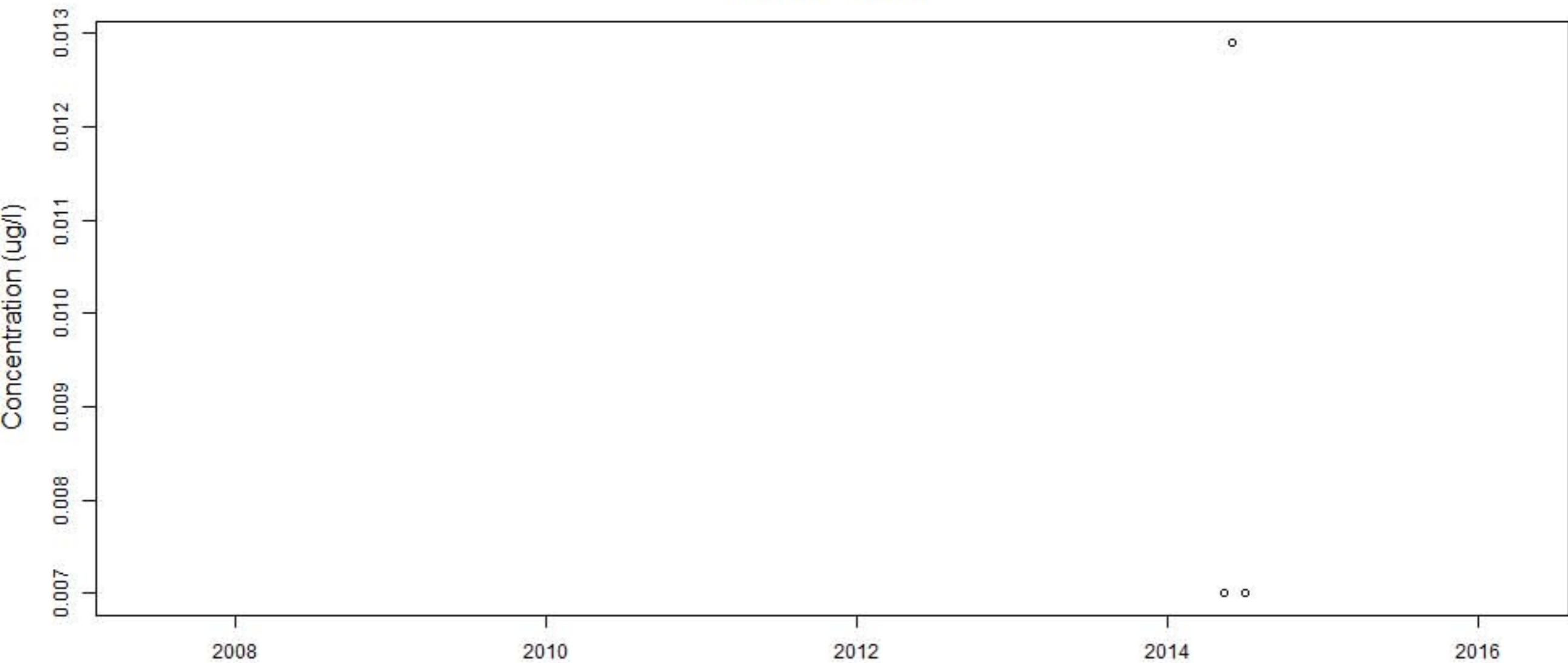


# WILD.HORSE

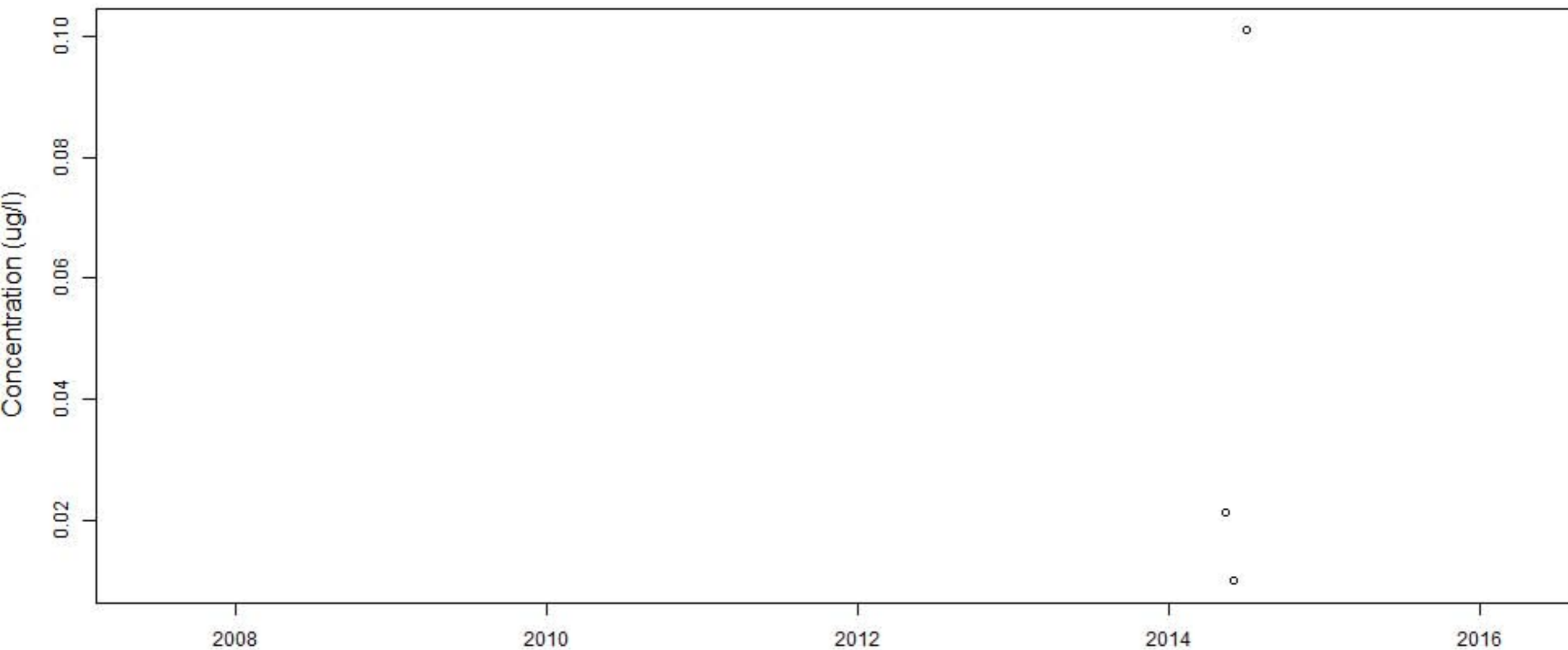


Timeseries of  
Nitrogen Oxide  
Water Quality Data  
Collected at  
Beaufort County Stations

# ARROW.ROAD.101



# ARROW.ROAD.102

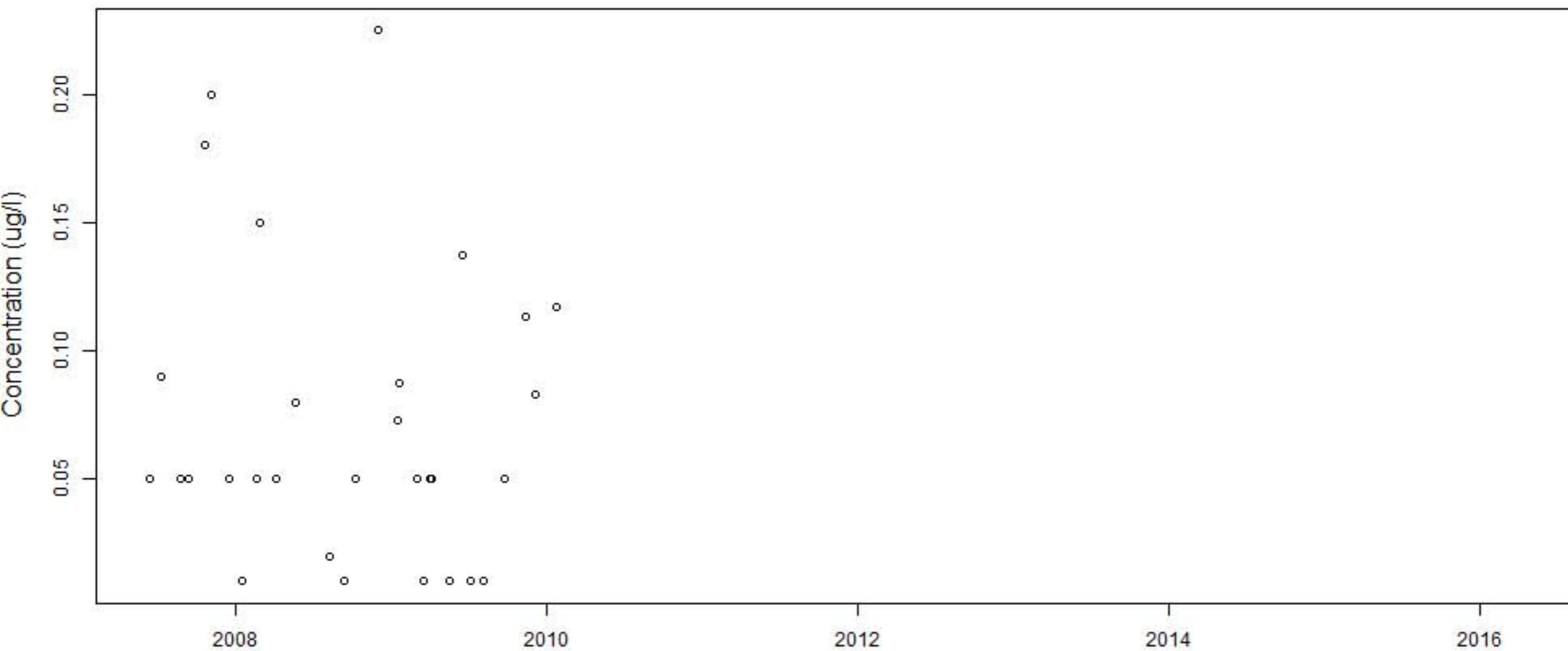








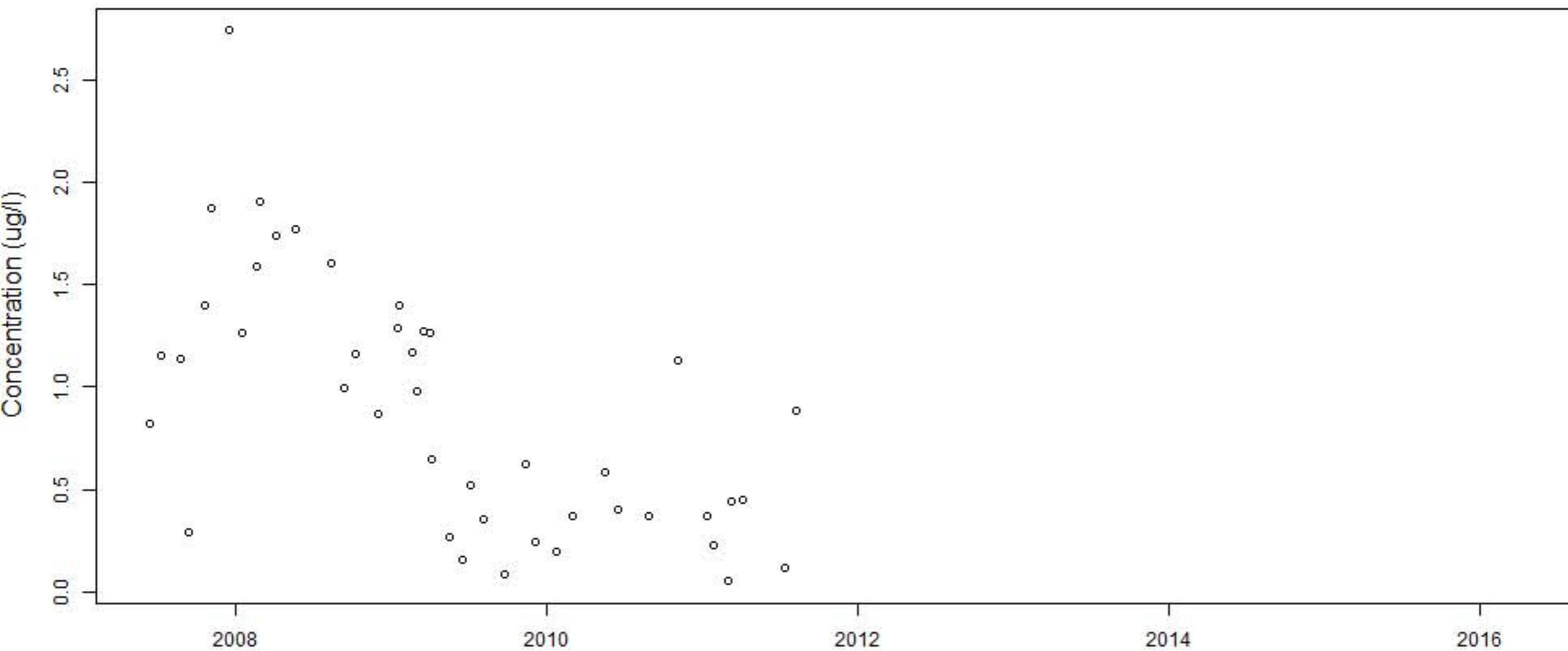
# BECY.11





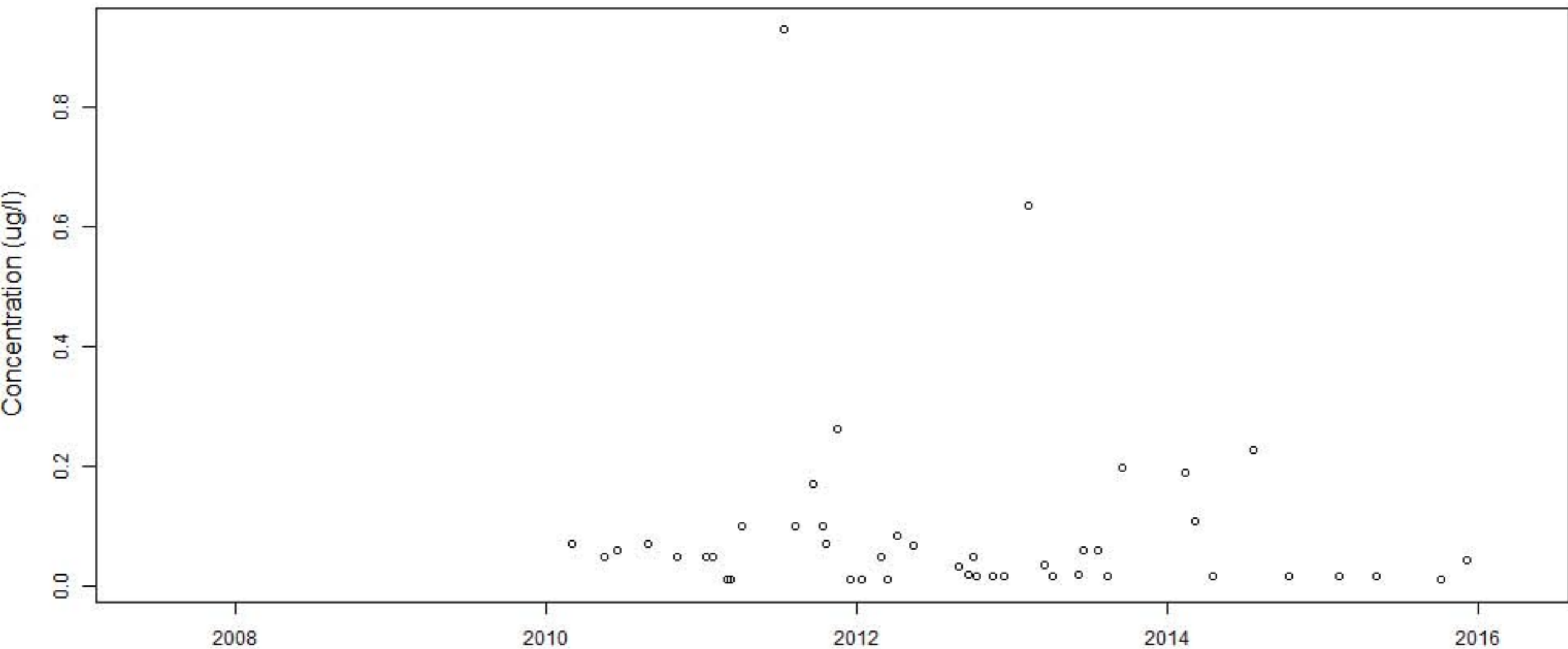


# BECY.13

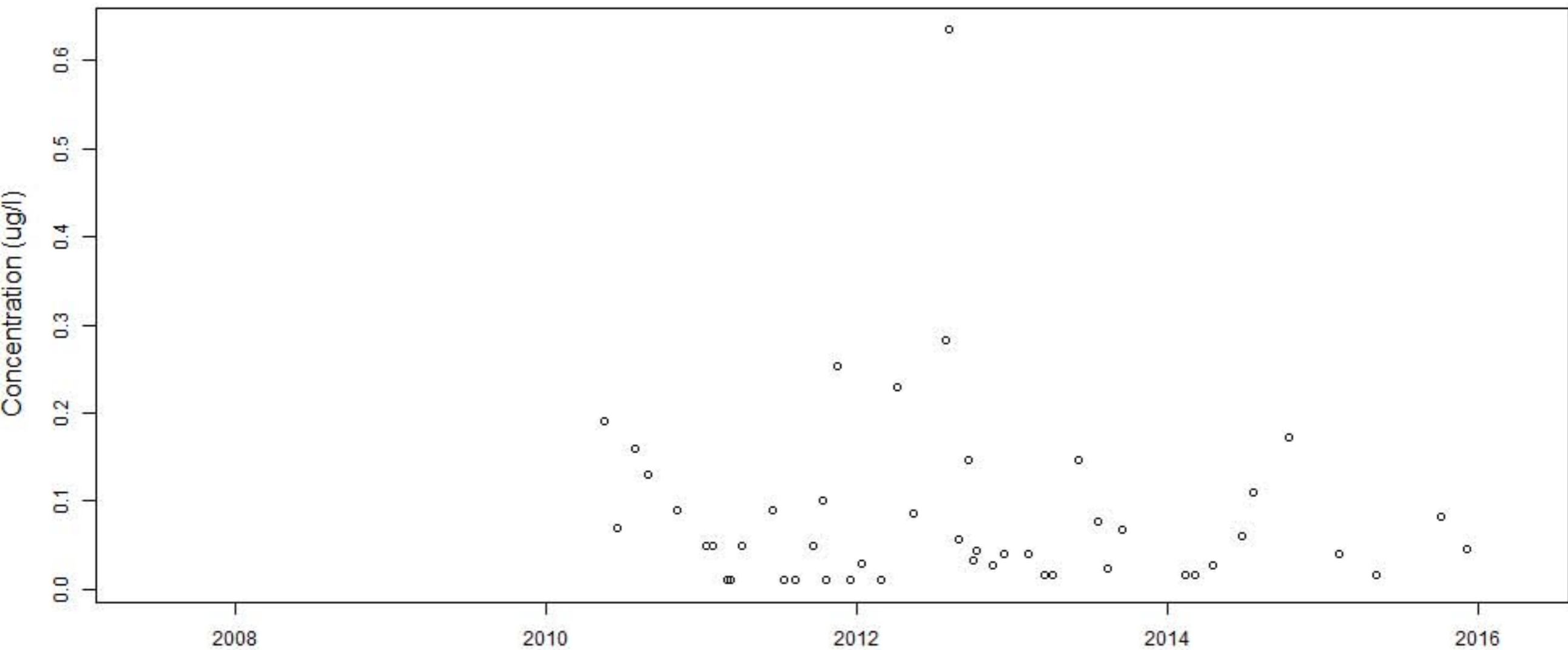




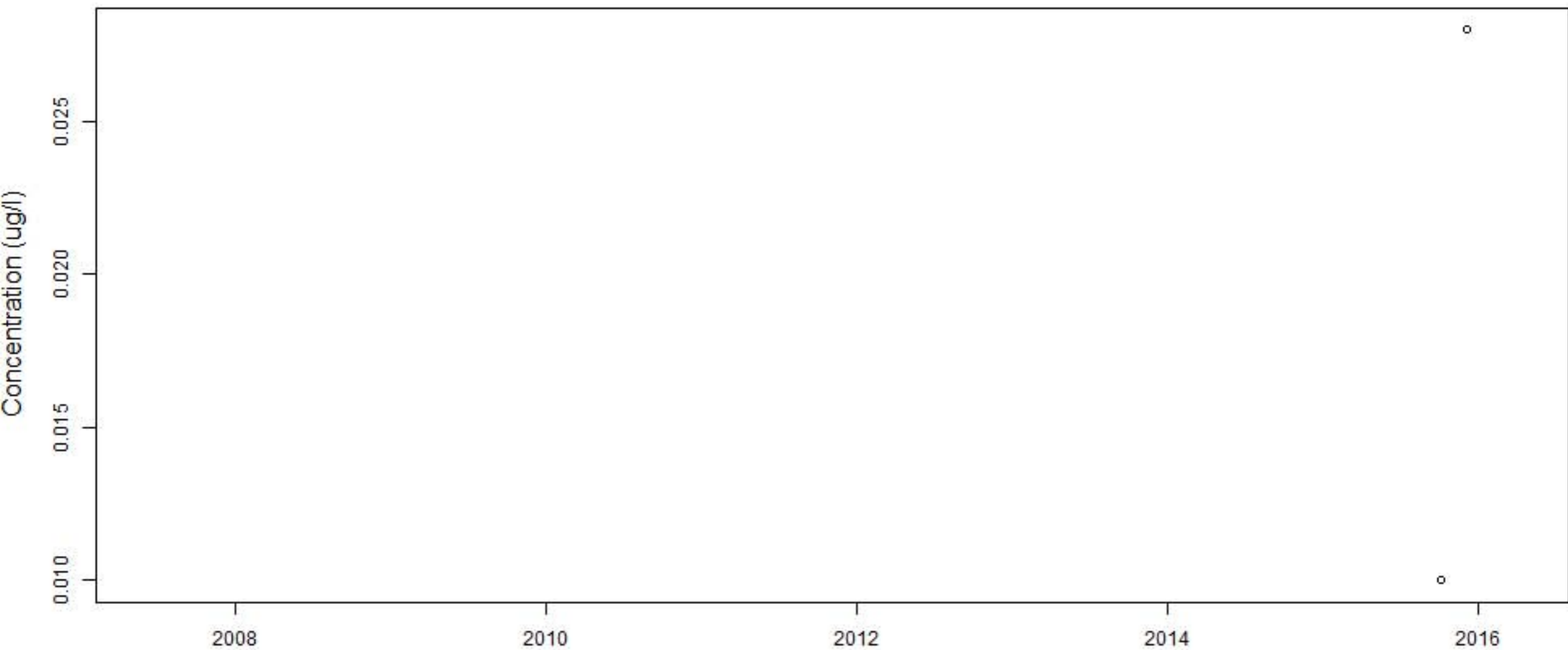
# BECY.15



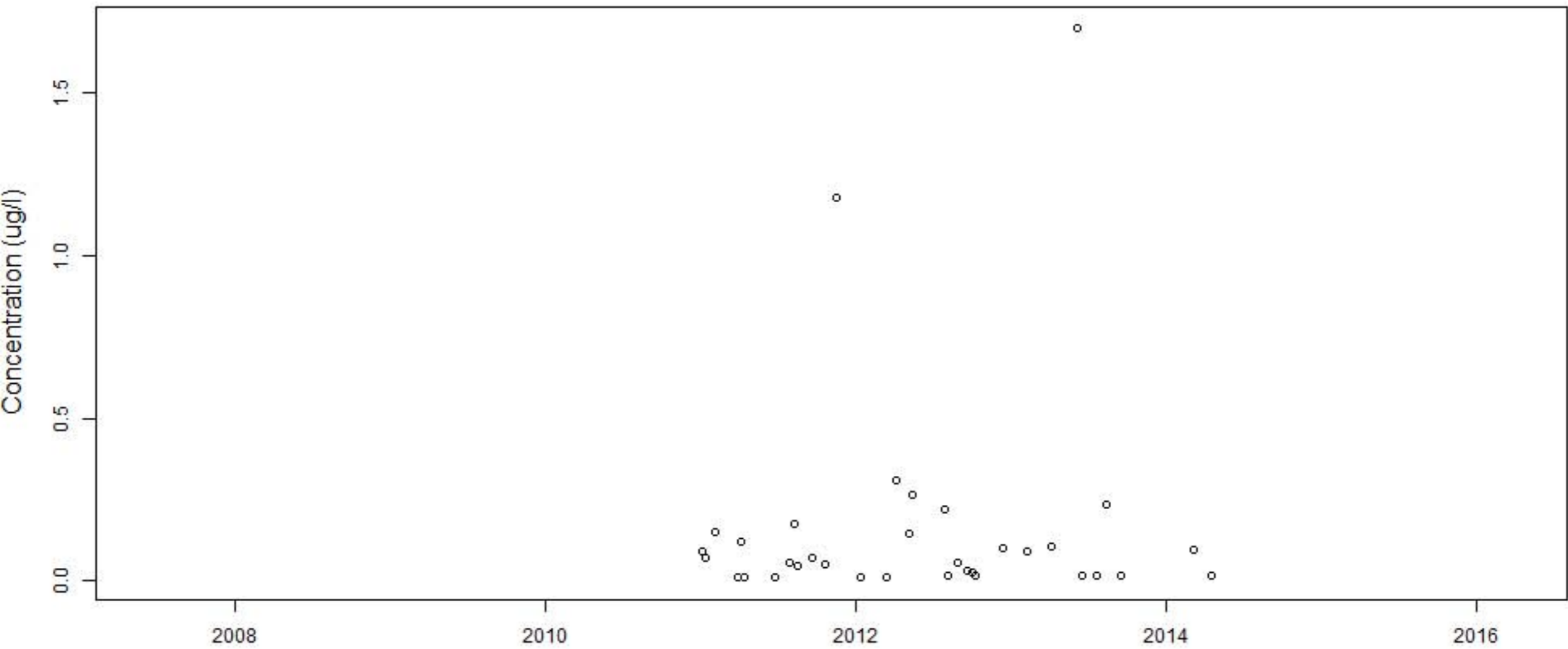
# BECY.16



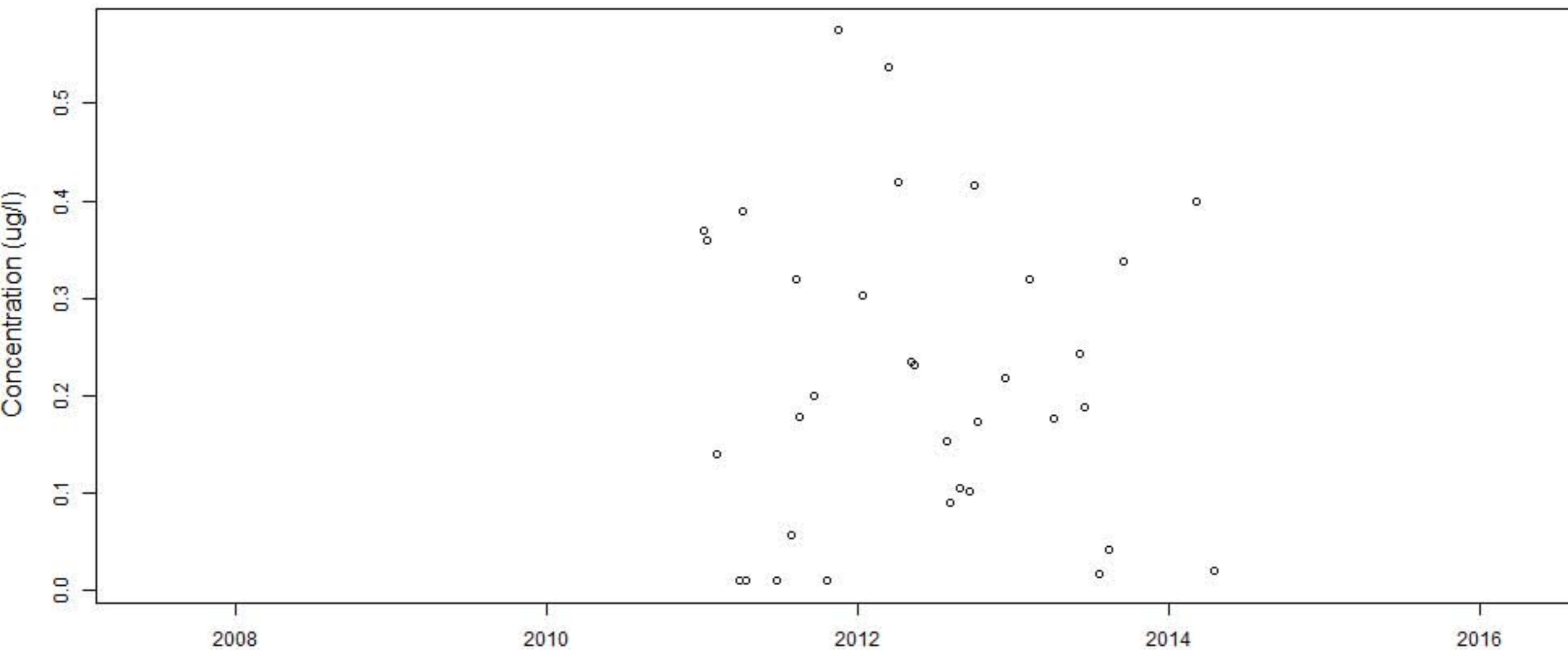
**BECY.17**



# BECY.17a.After

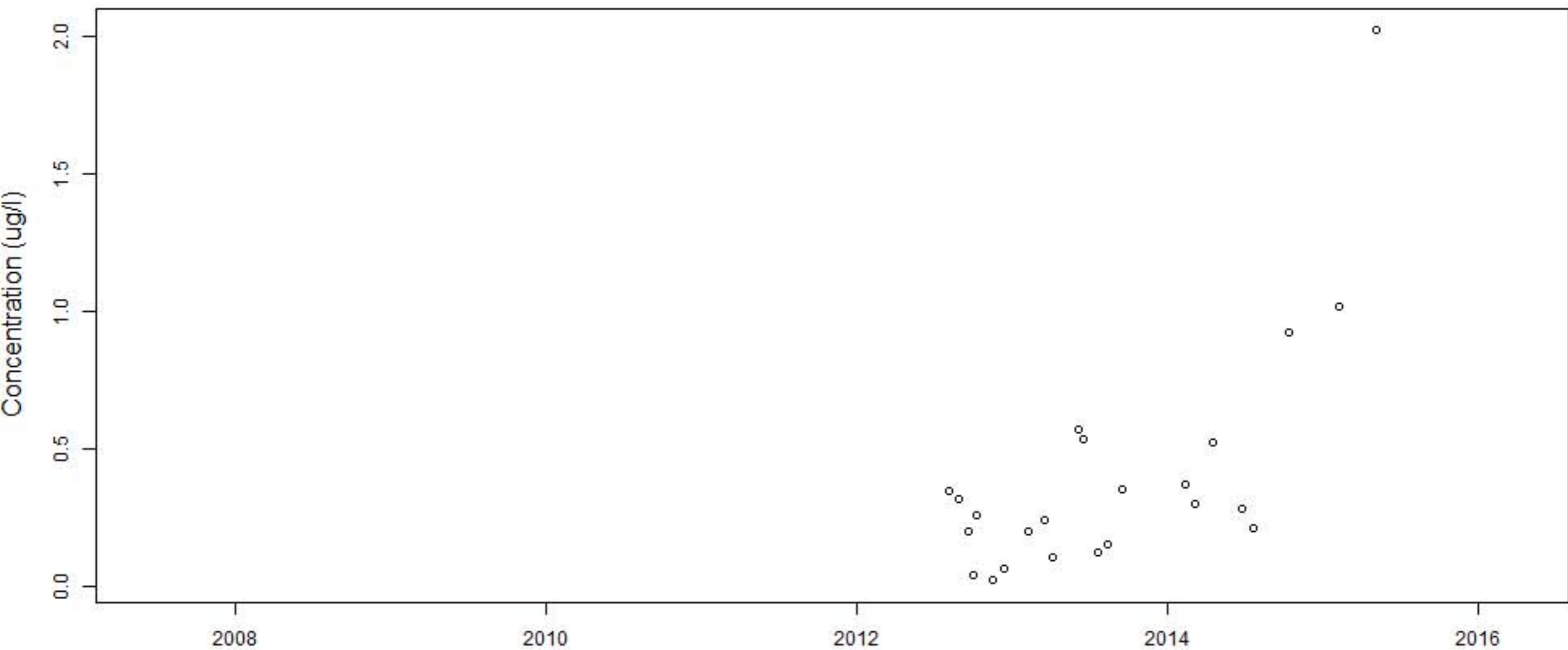


BECY.17a.Grab

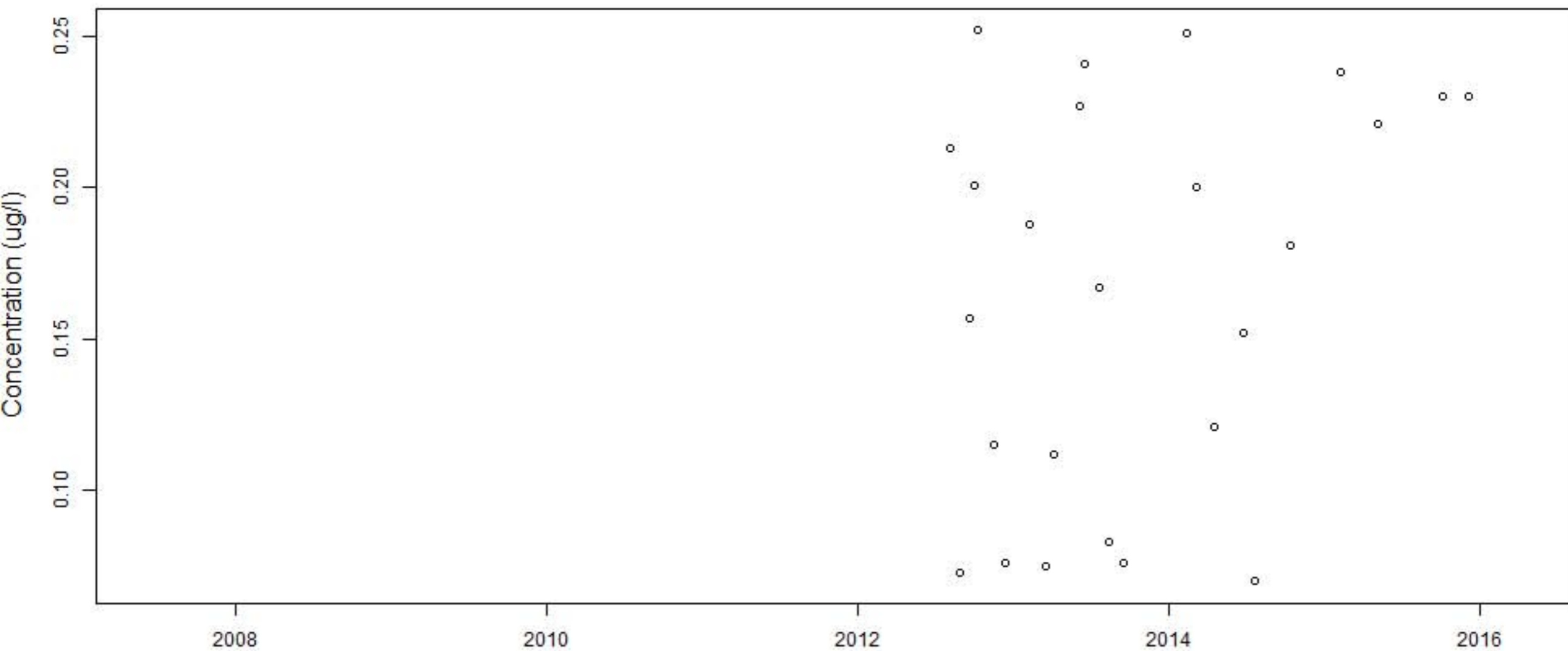




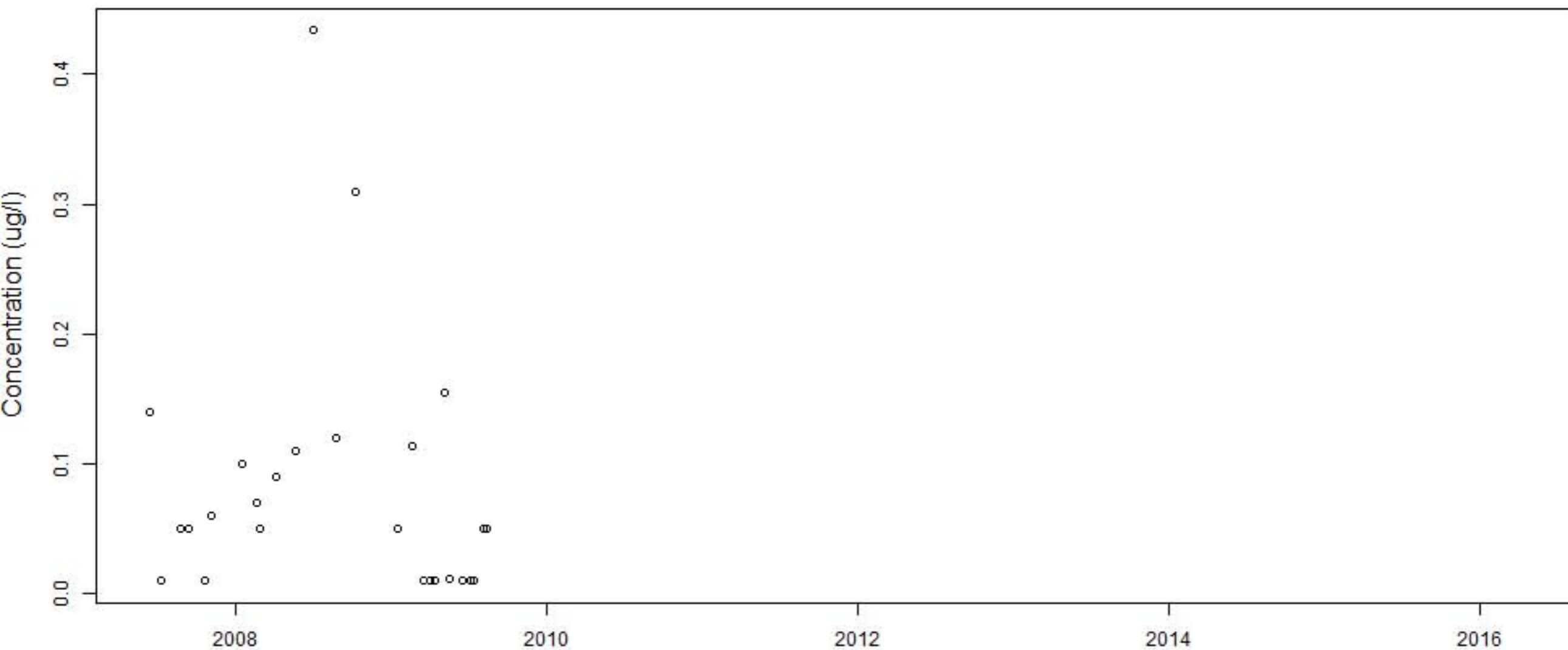
# BECY.18



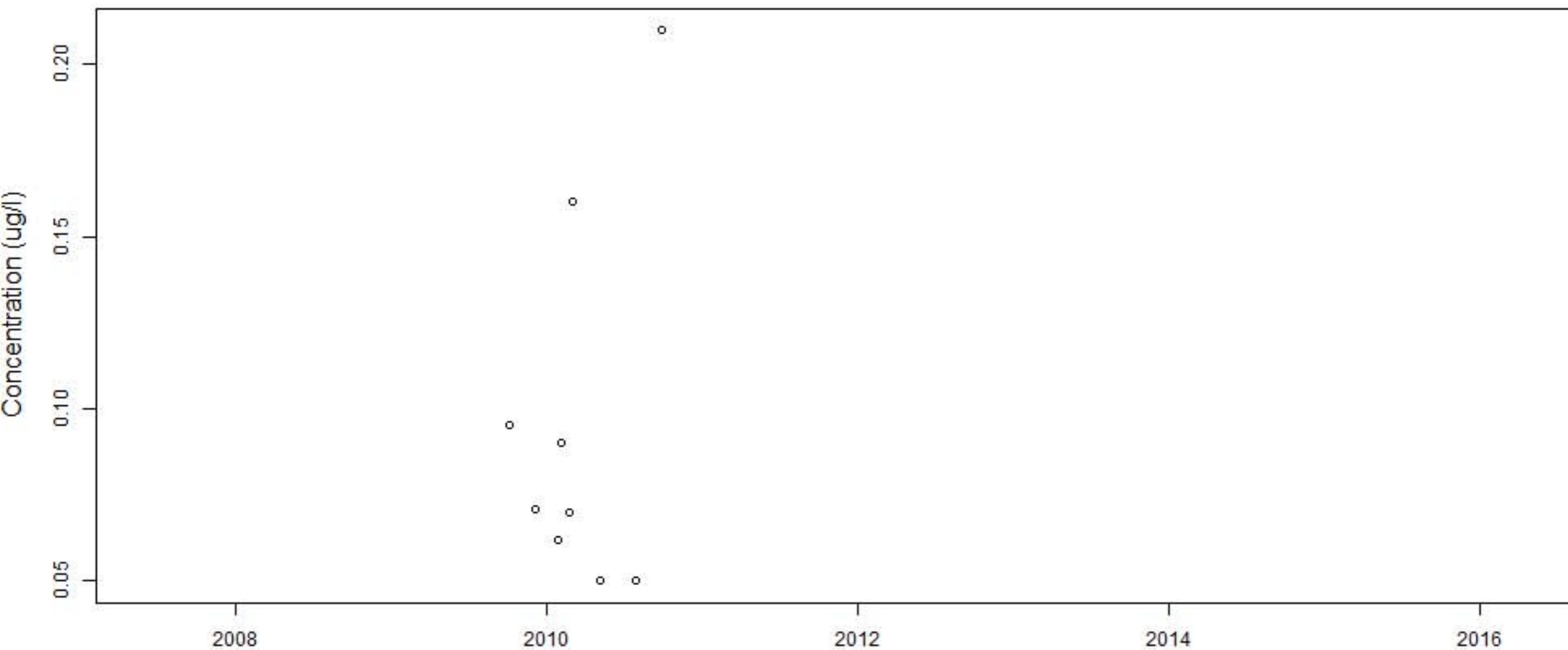
# BECY.19



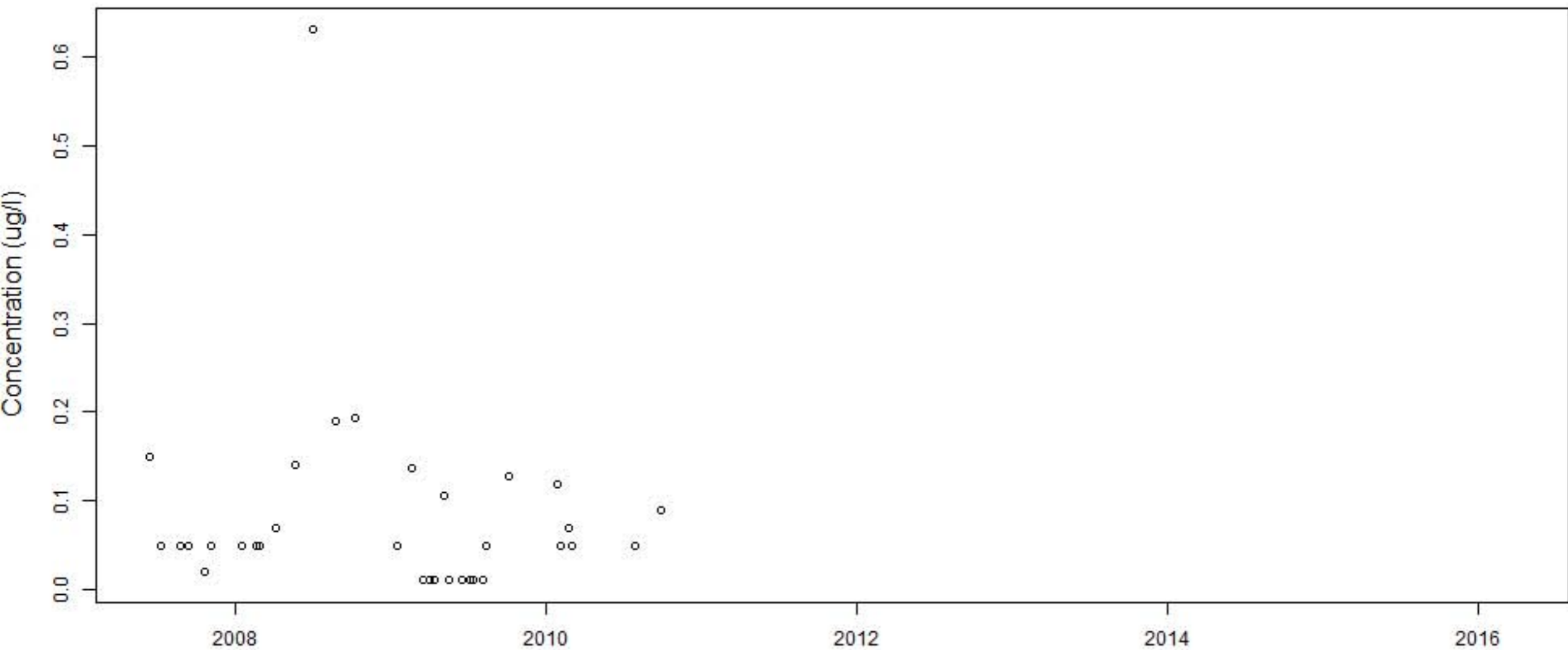
# BECY.1a.Comp



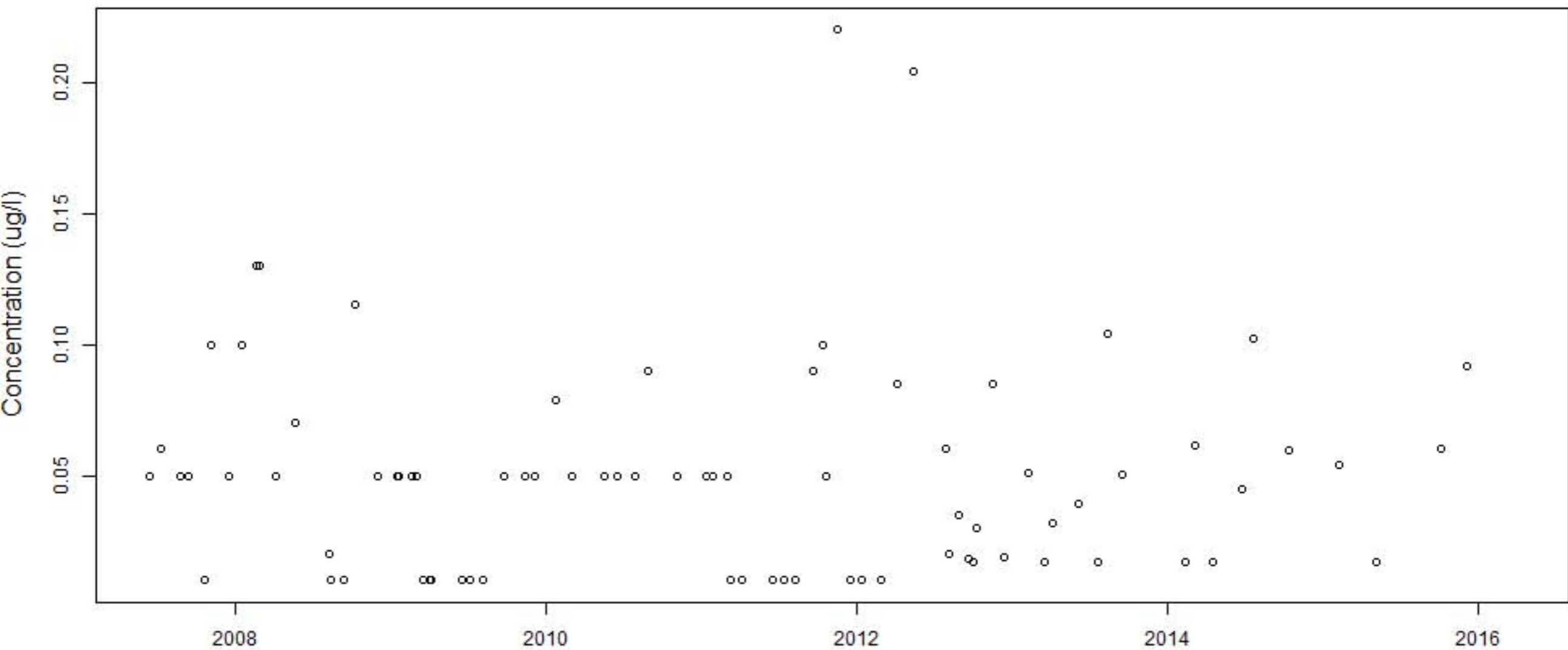
**BECY.1a.Grab.After**



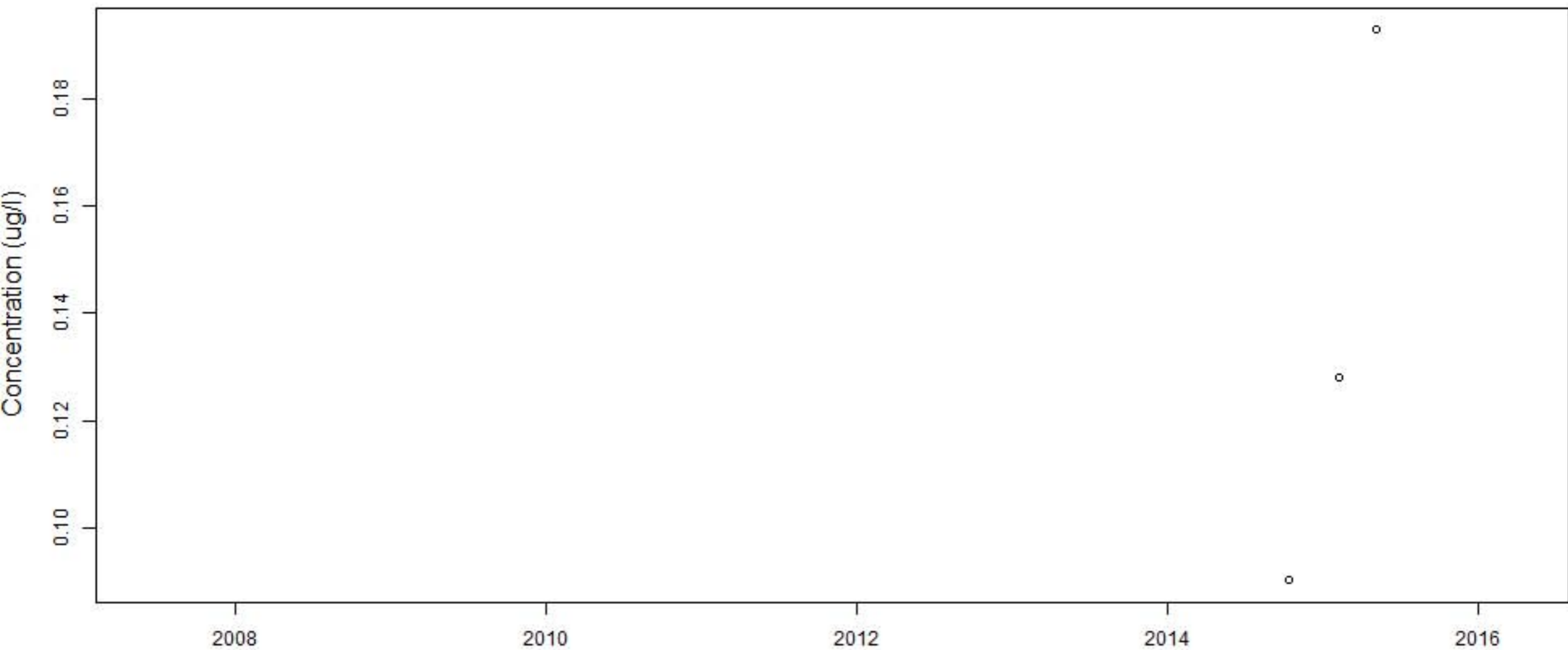
# BECY.1a.Grab



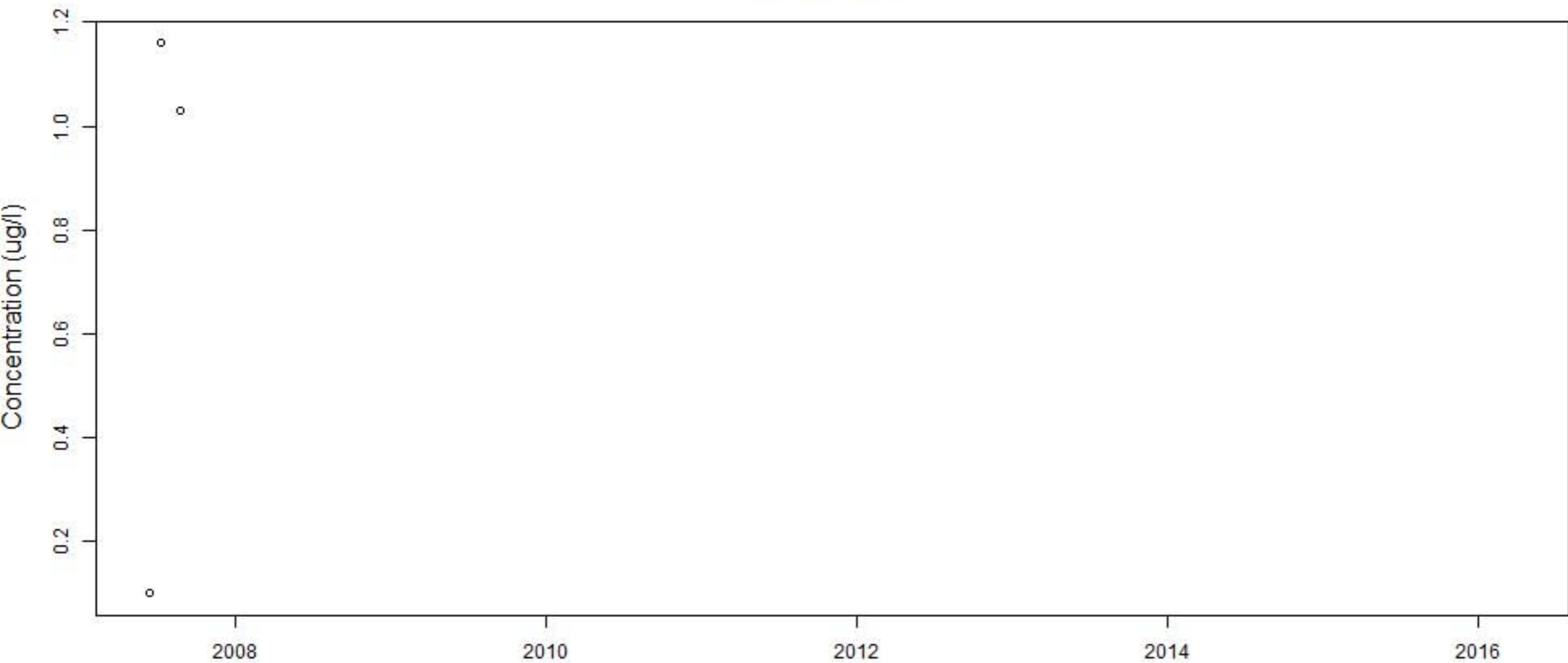
# BECY.2



# BECY.20

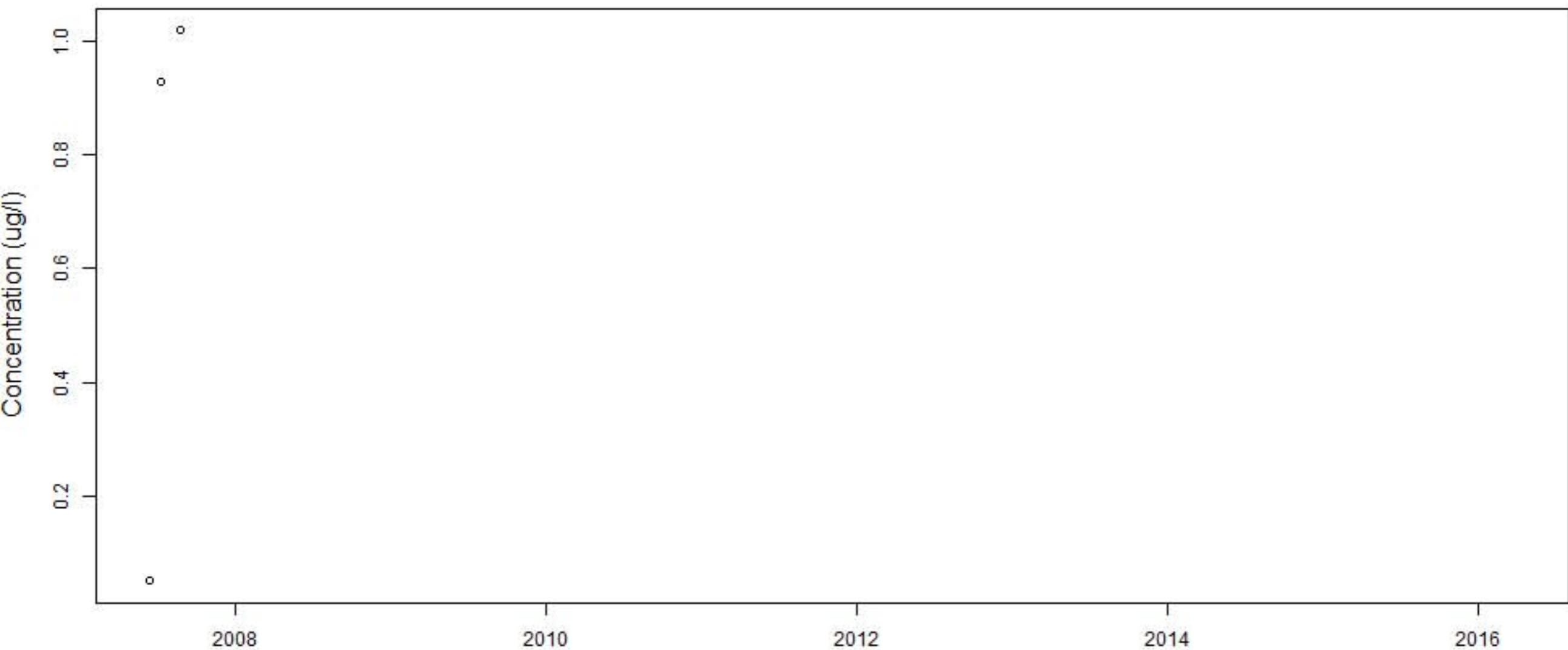


# BECY.2a.Comp



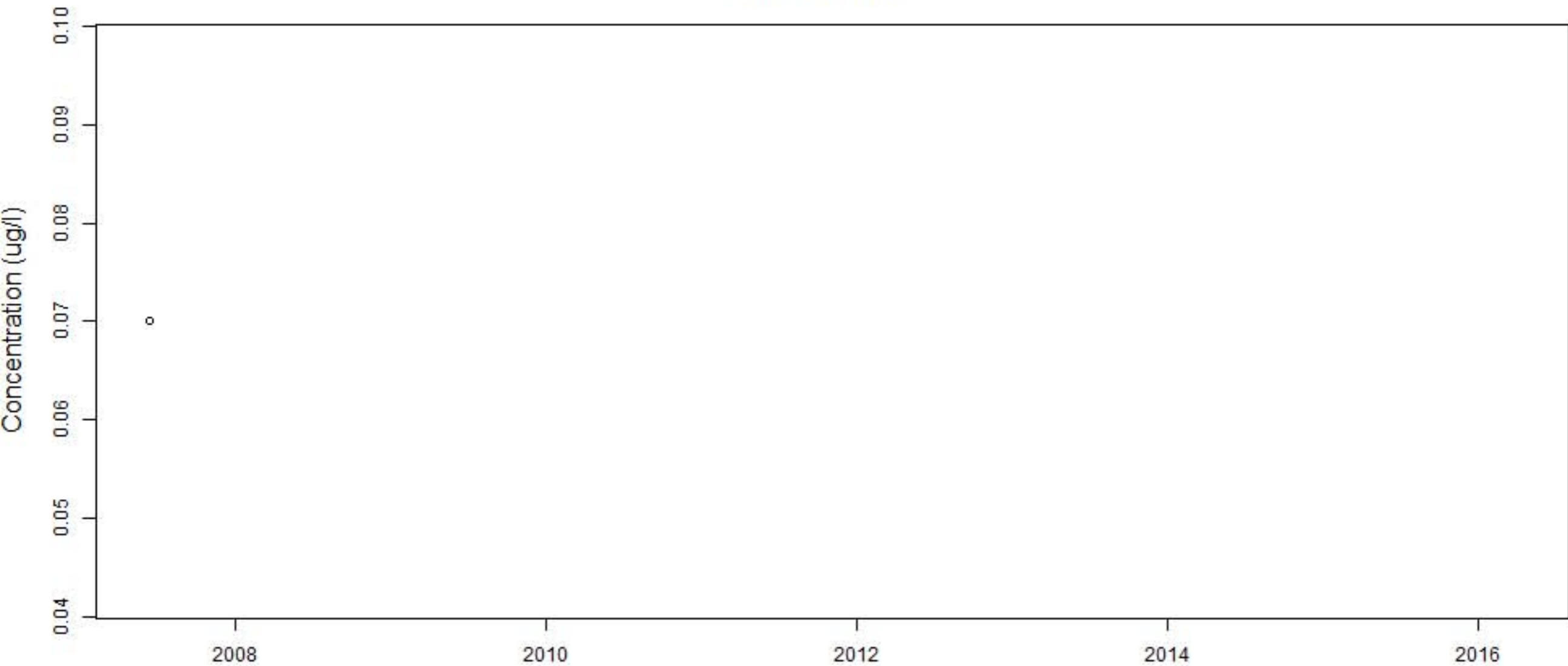


# BECY.2a.Grab

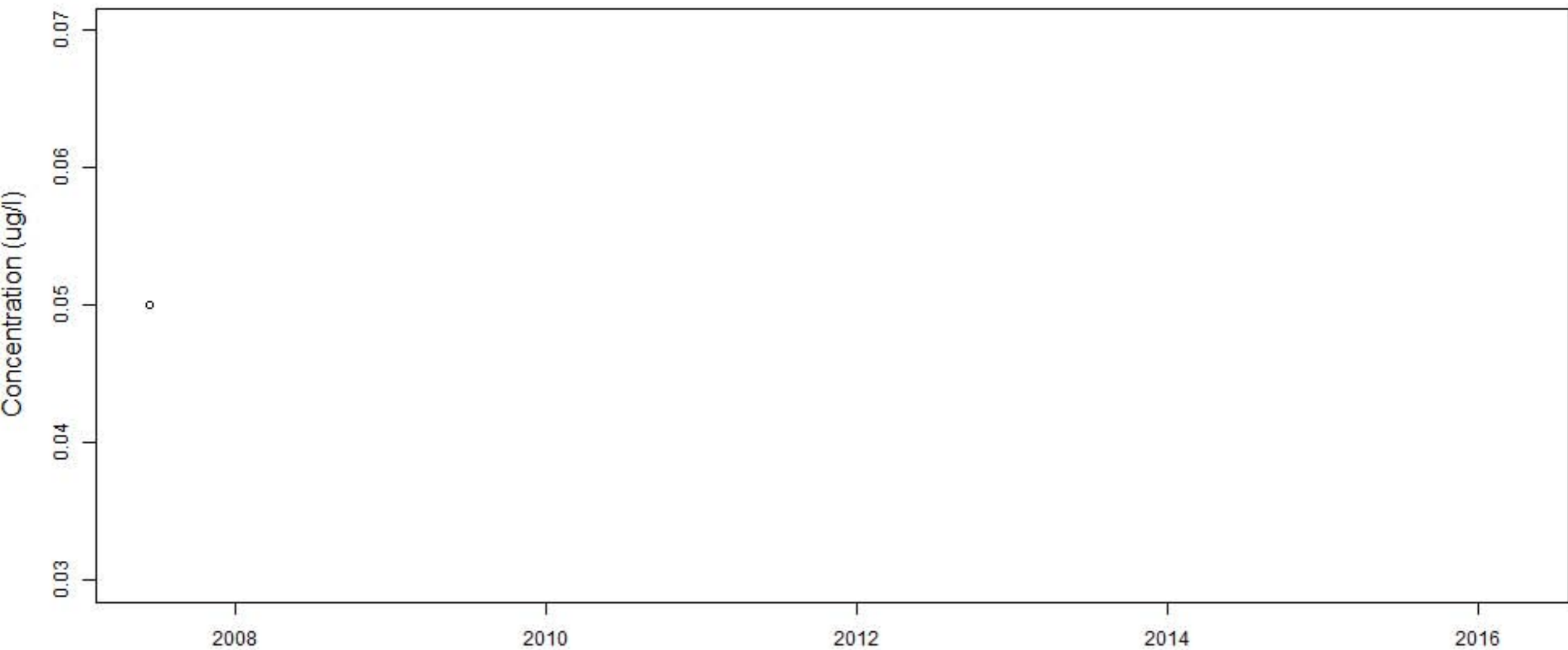




# BECY.3a.Comp

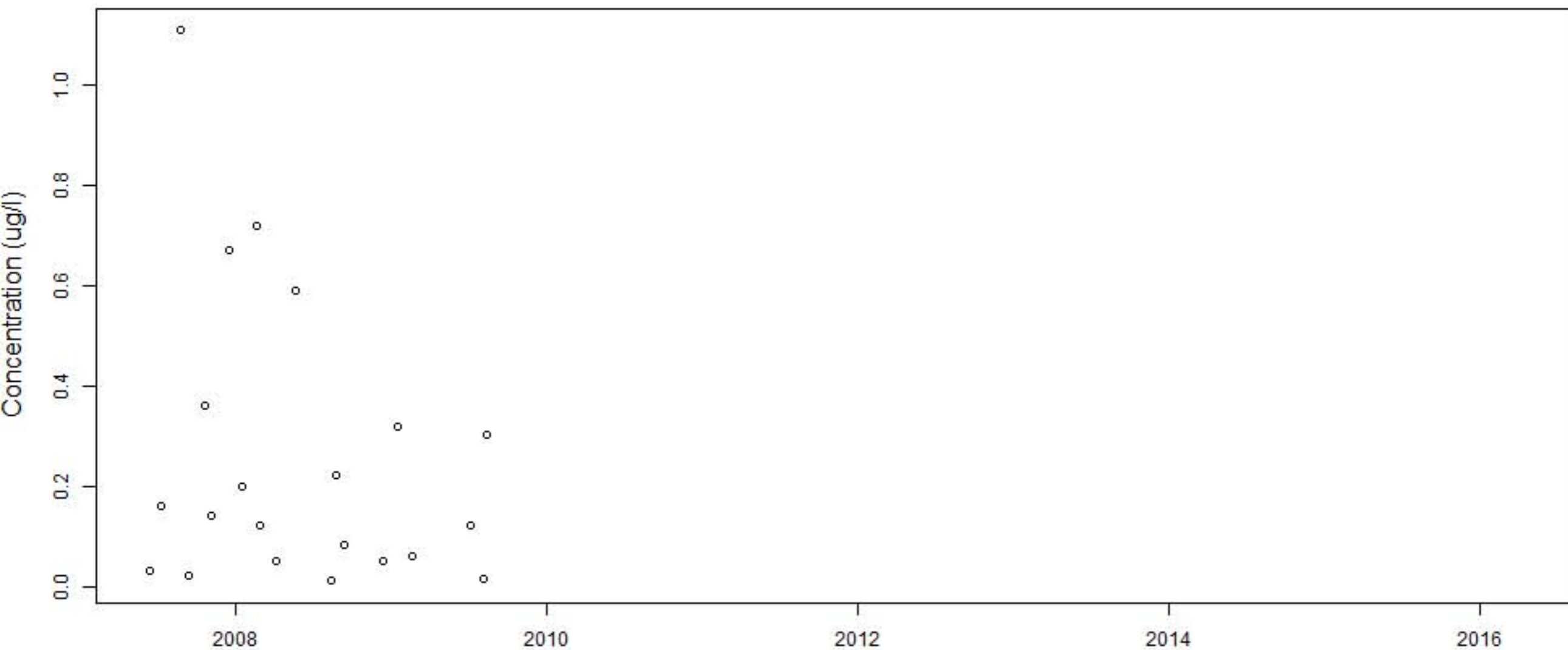


# BECY.3a.Grab

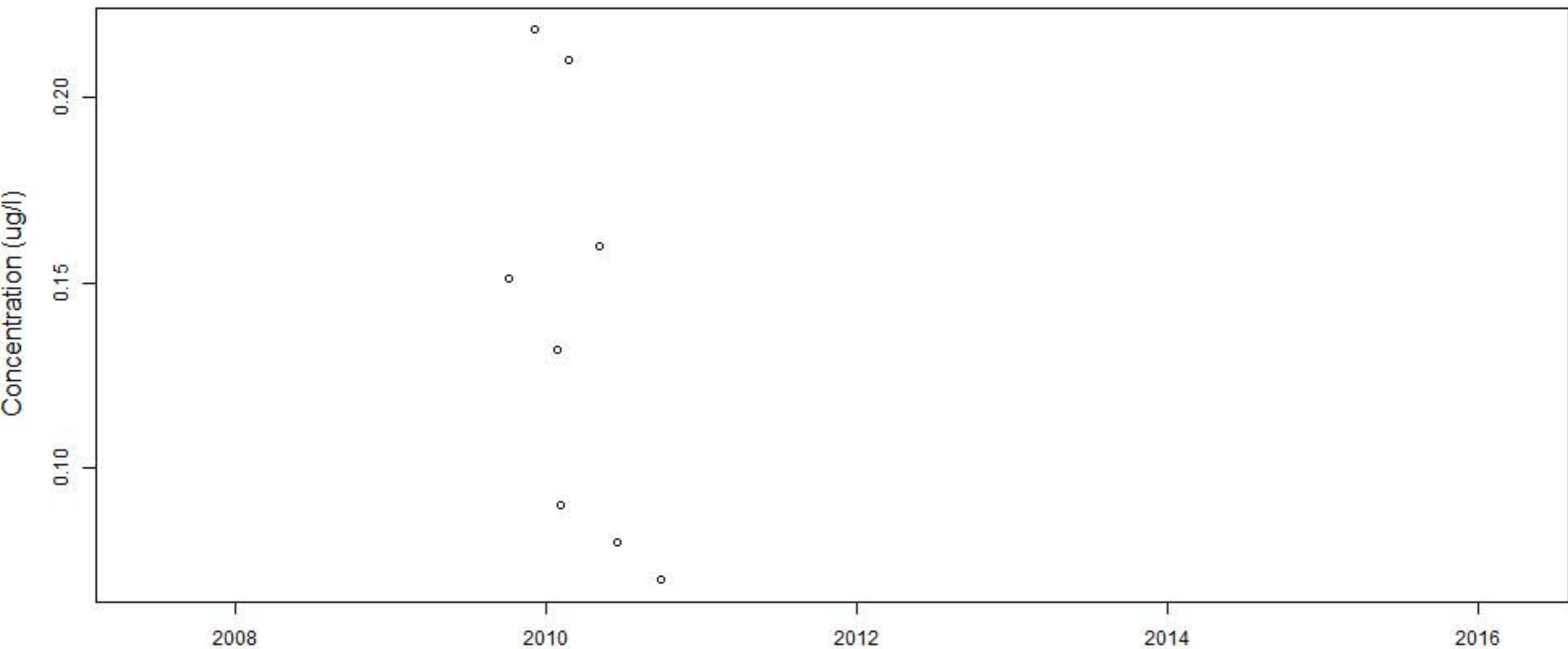




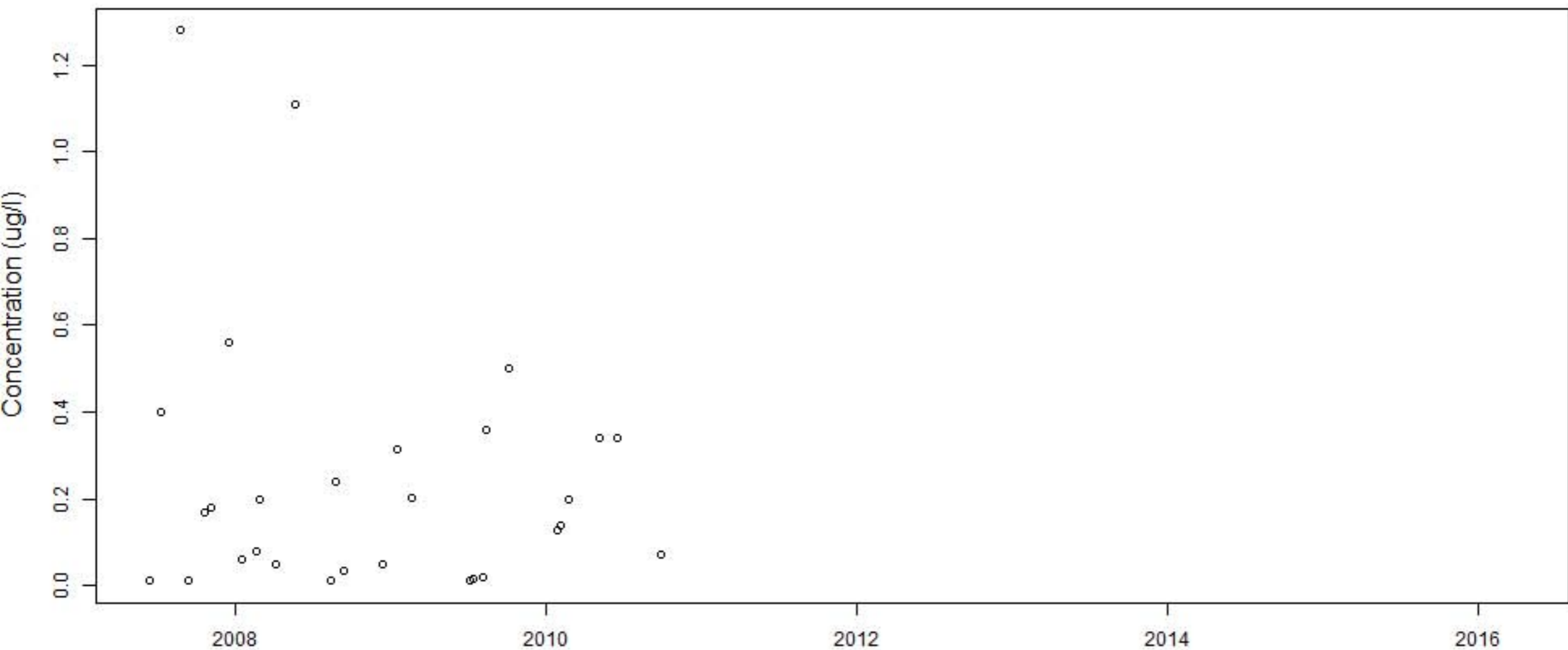
# BECY.4a.Comp



BECY.4a.Grab.After

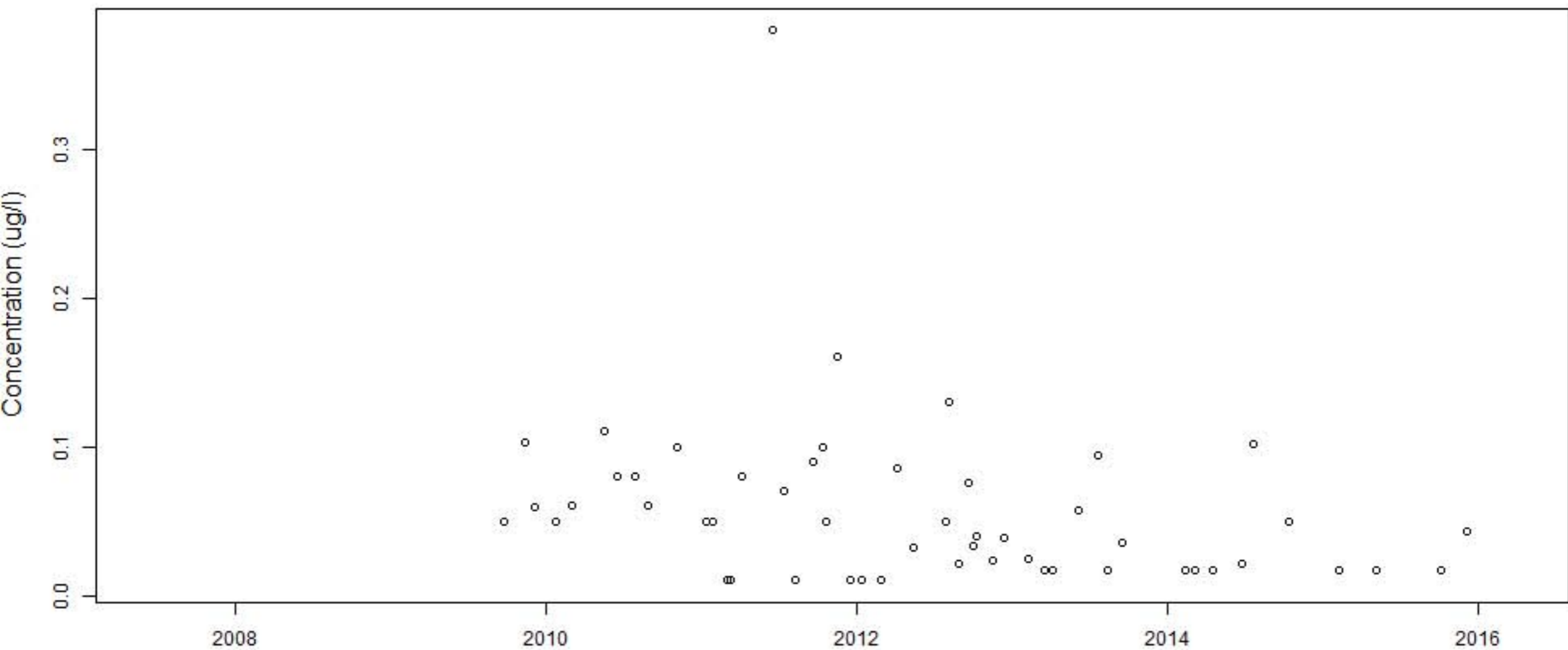


# BECY.4a.Grab



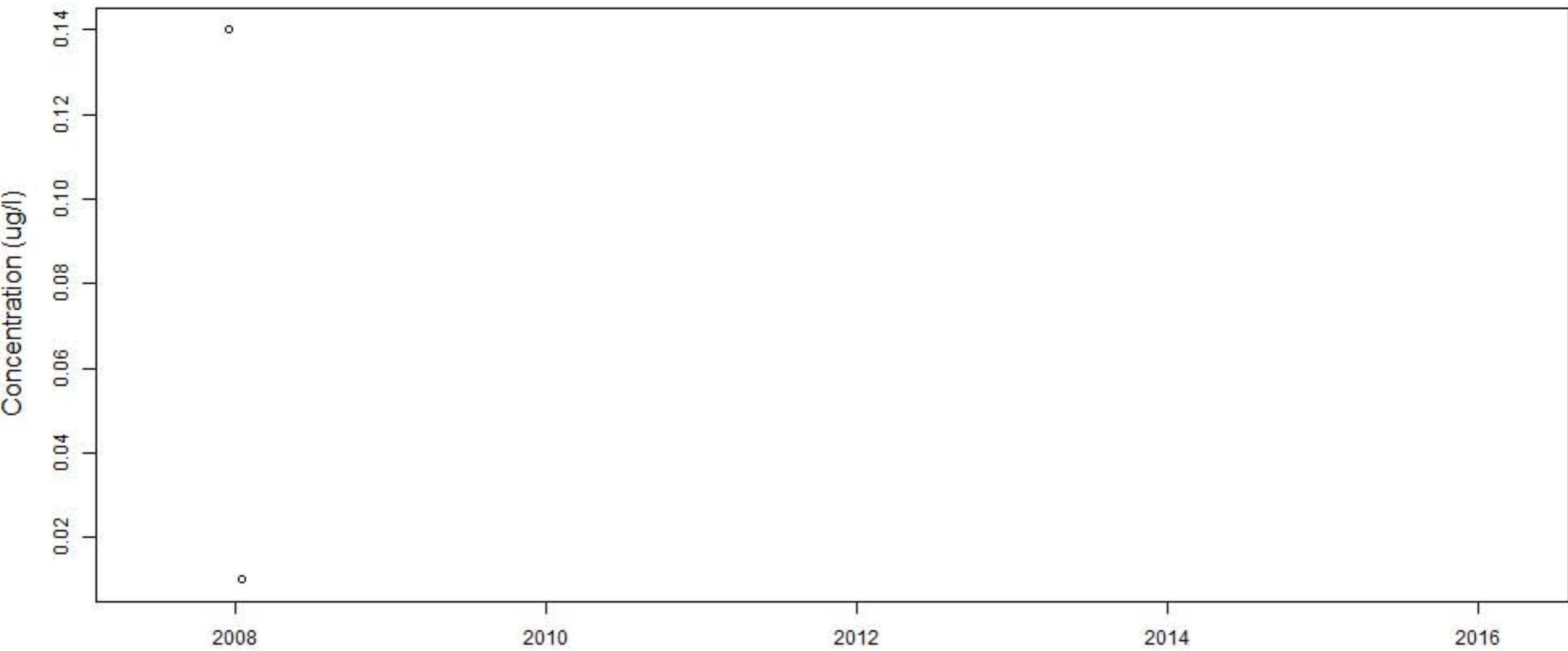


# BECY.4r

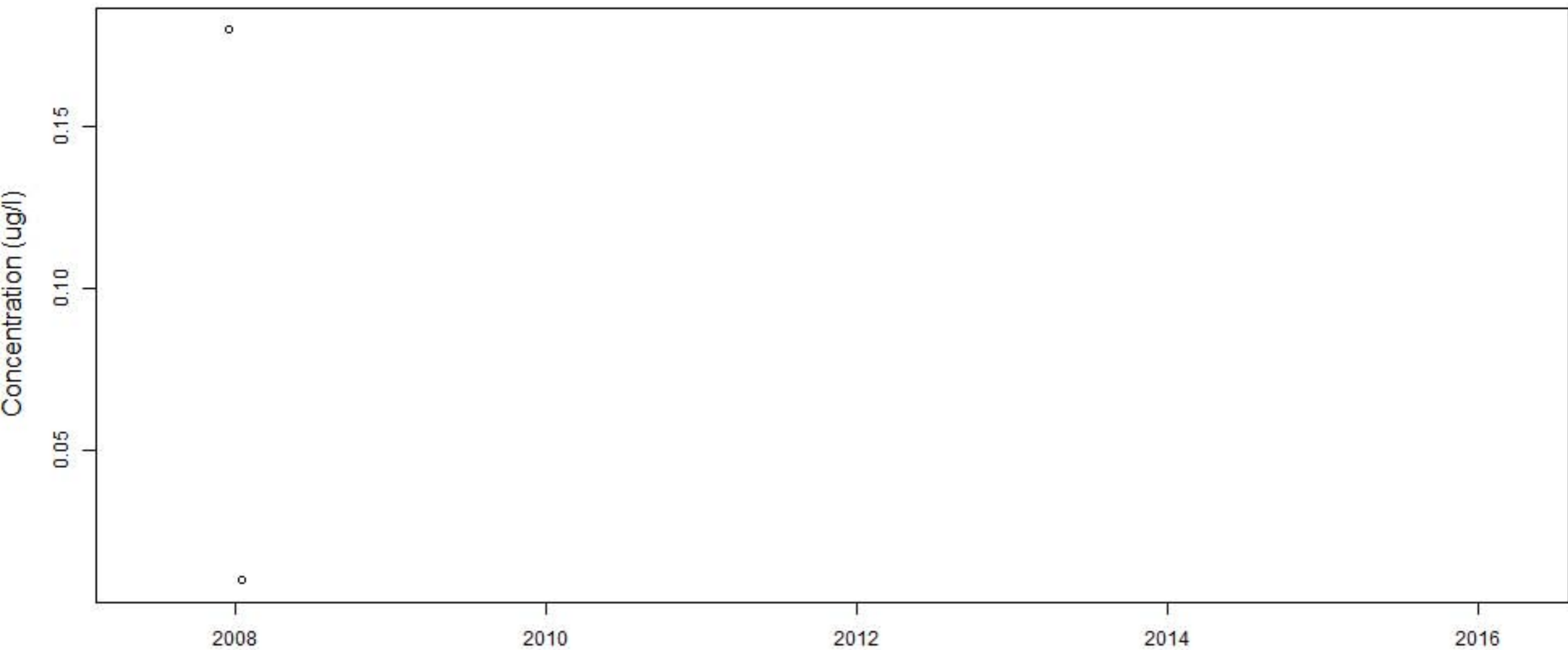




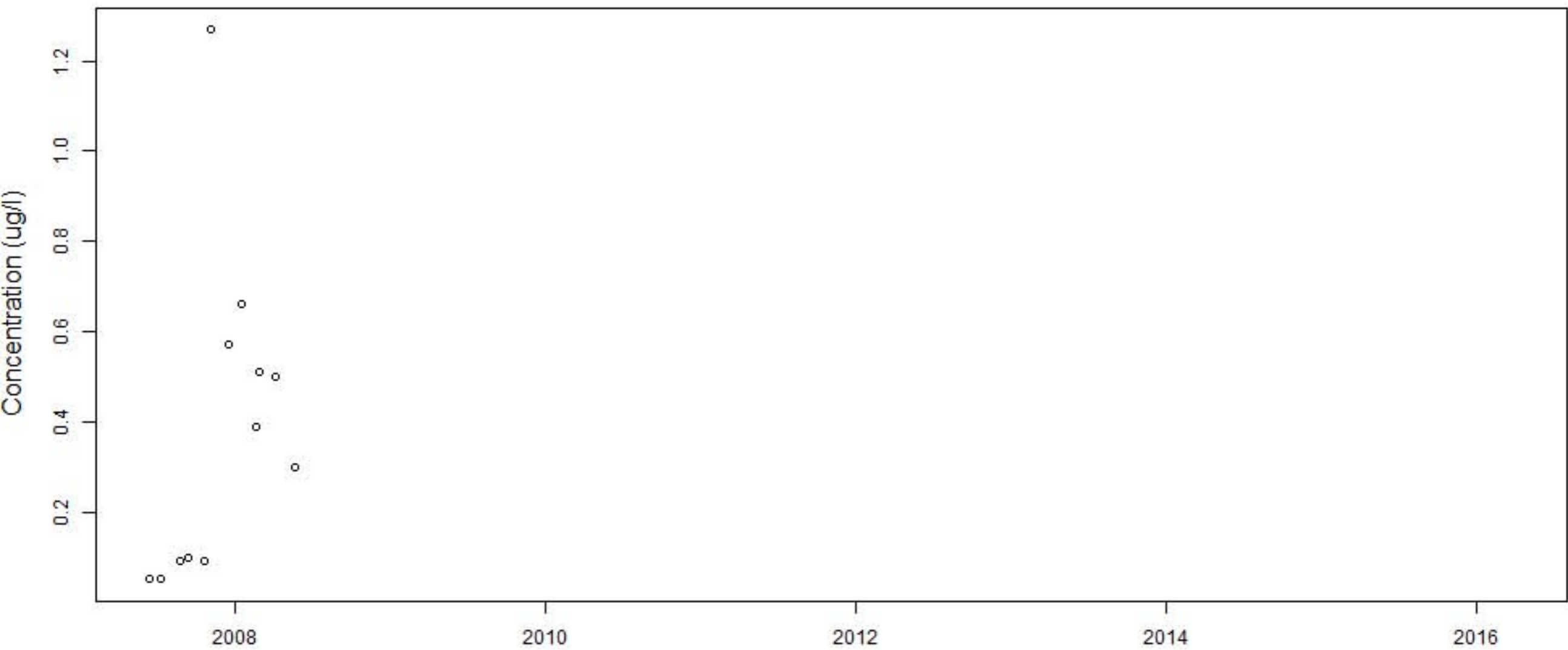
# BECY.5A.Comp



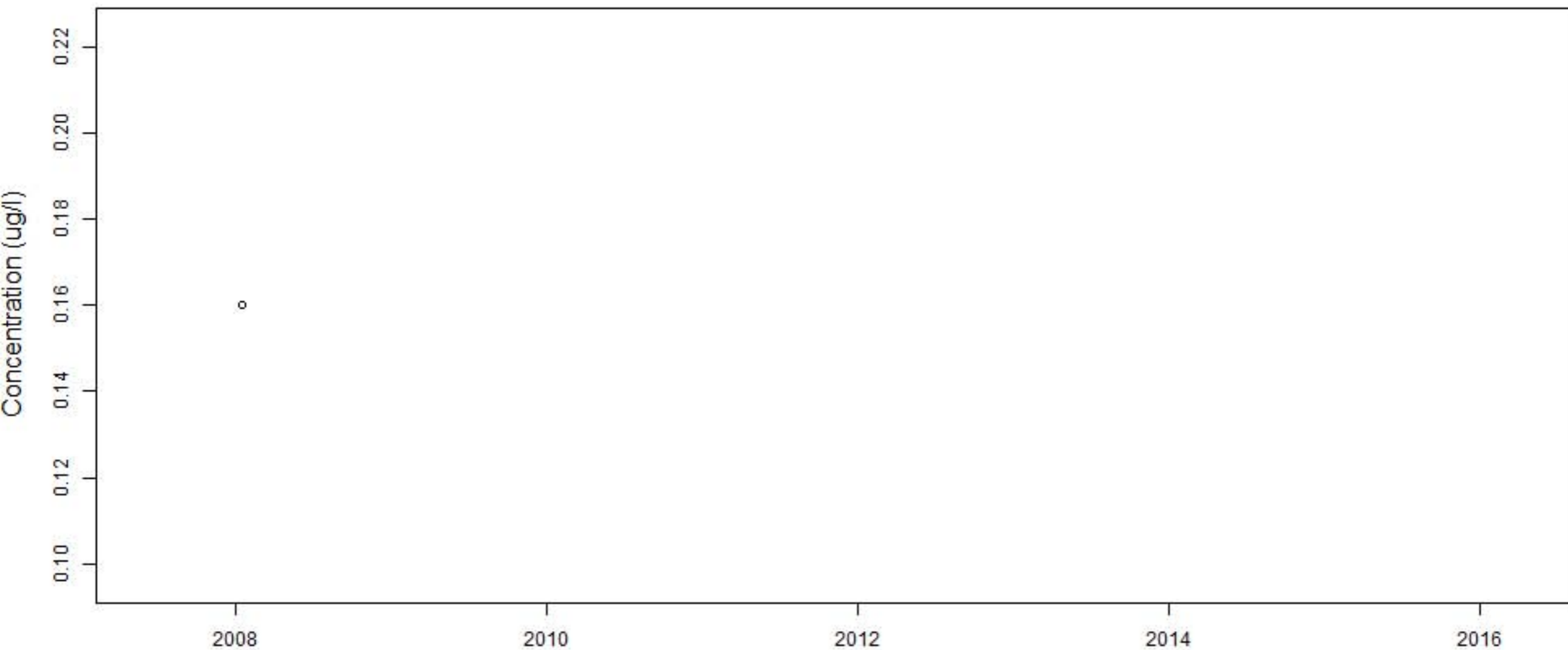
# BECY.5A.Grab



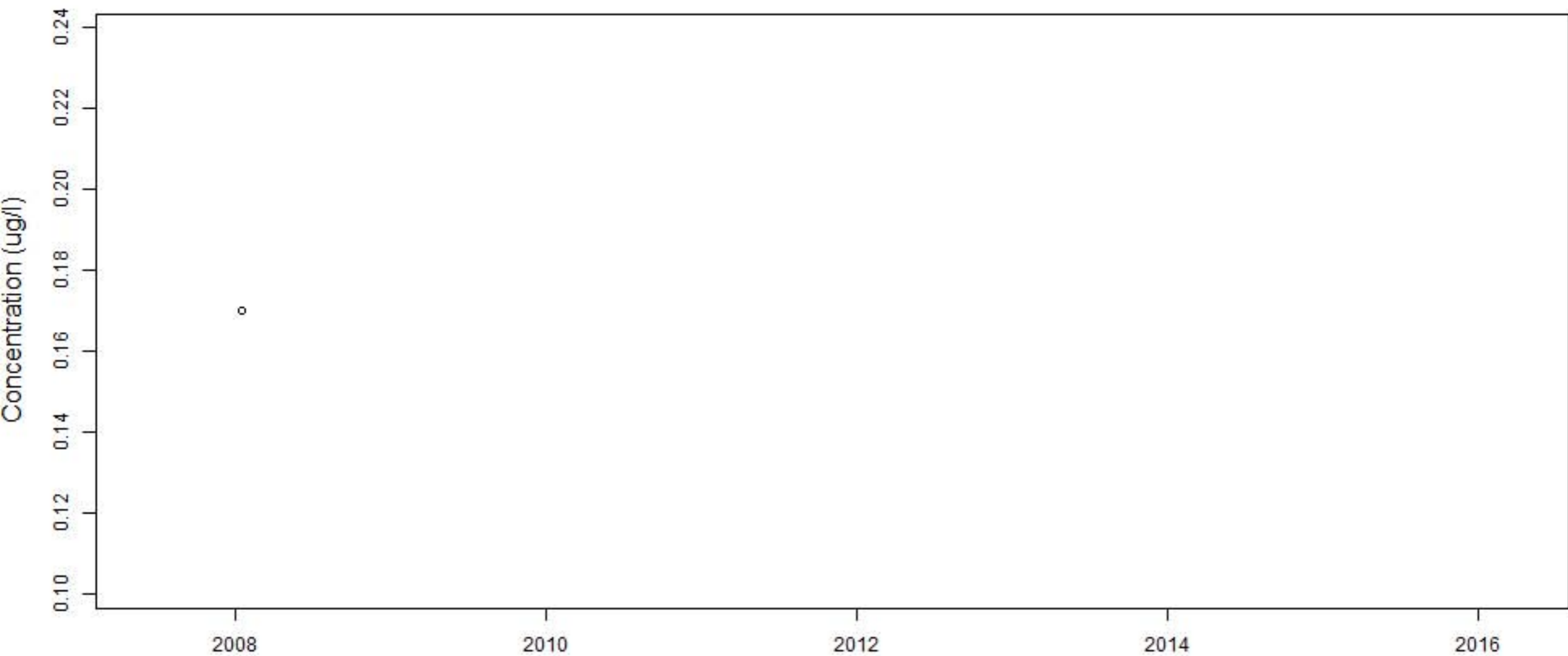
# BECY.6



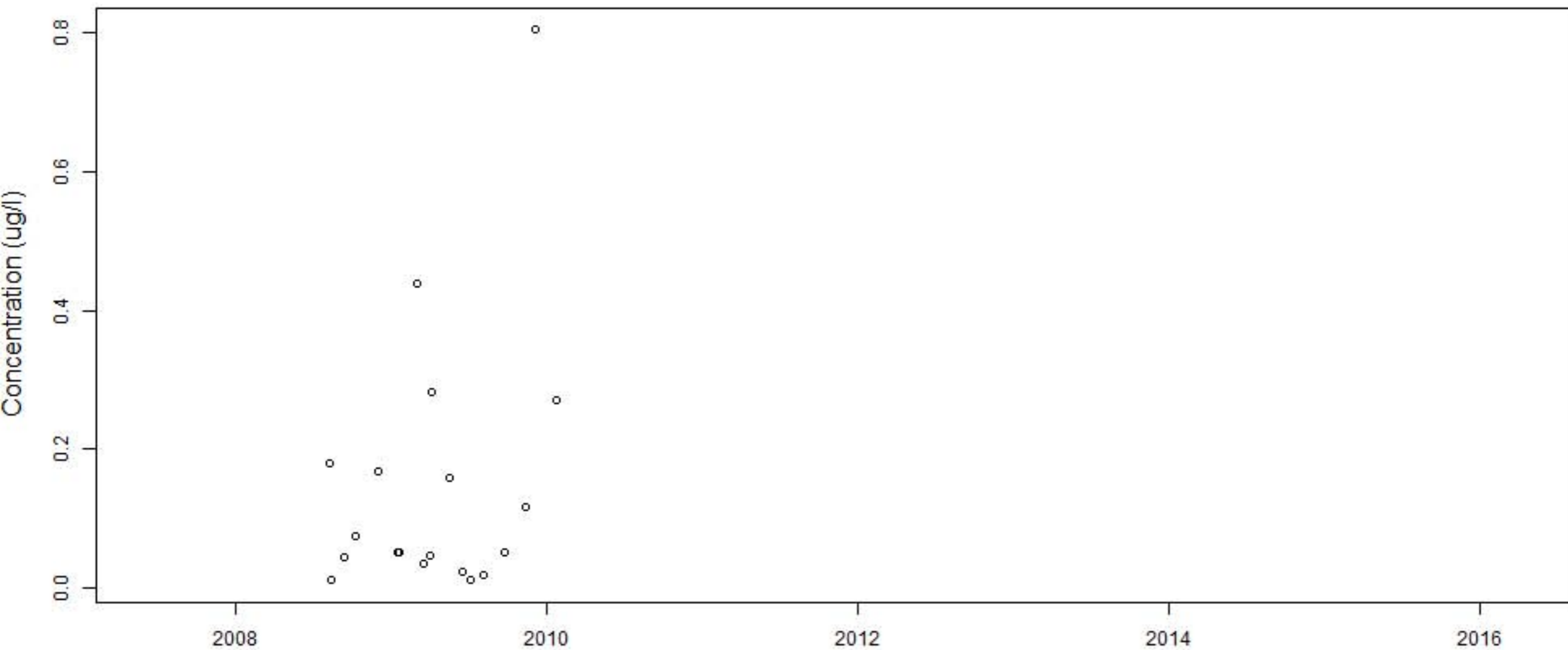
# BECY.6A.Comp



# BECY.6A.Grab

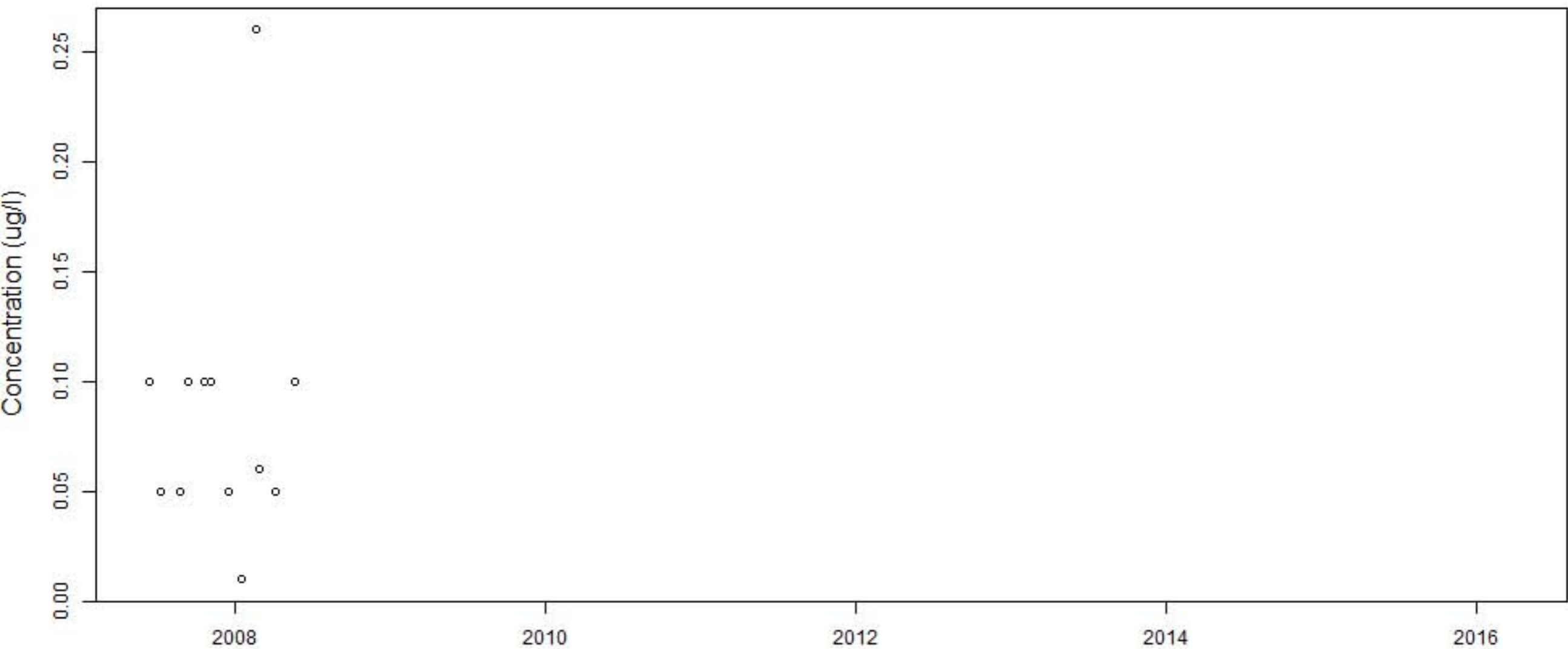


# BECY.6r

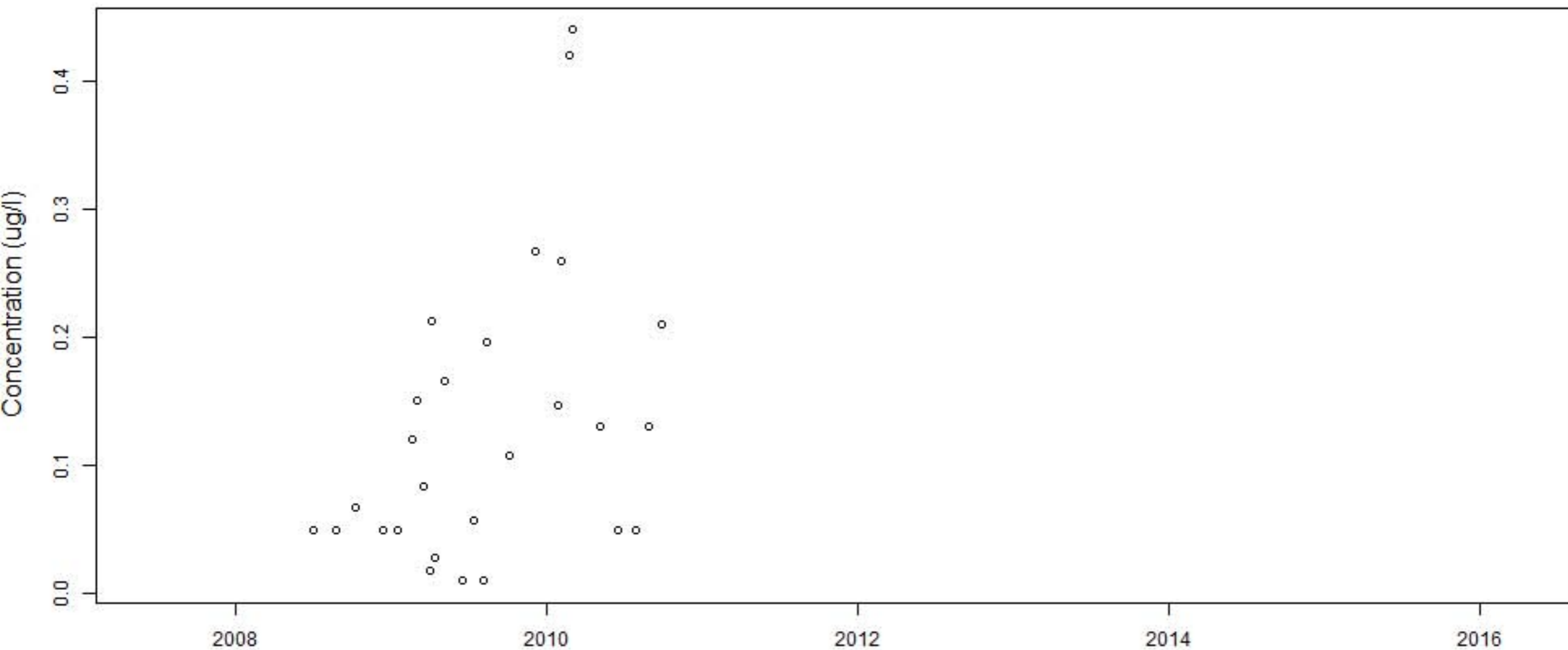




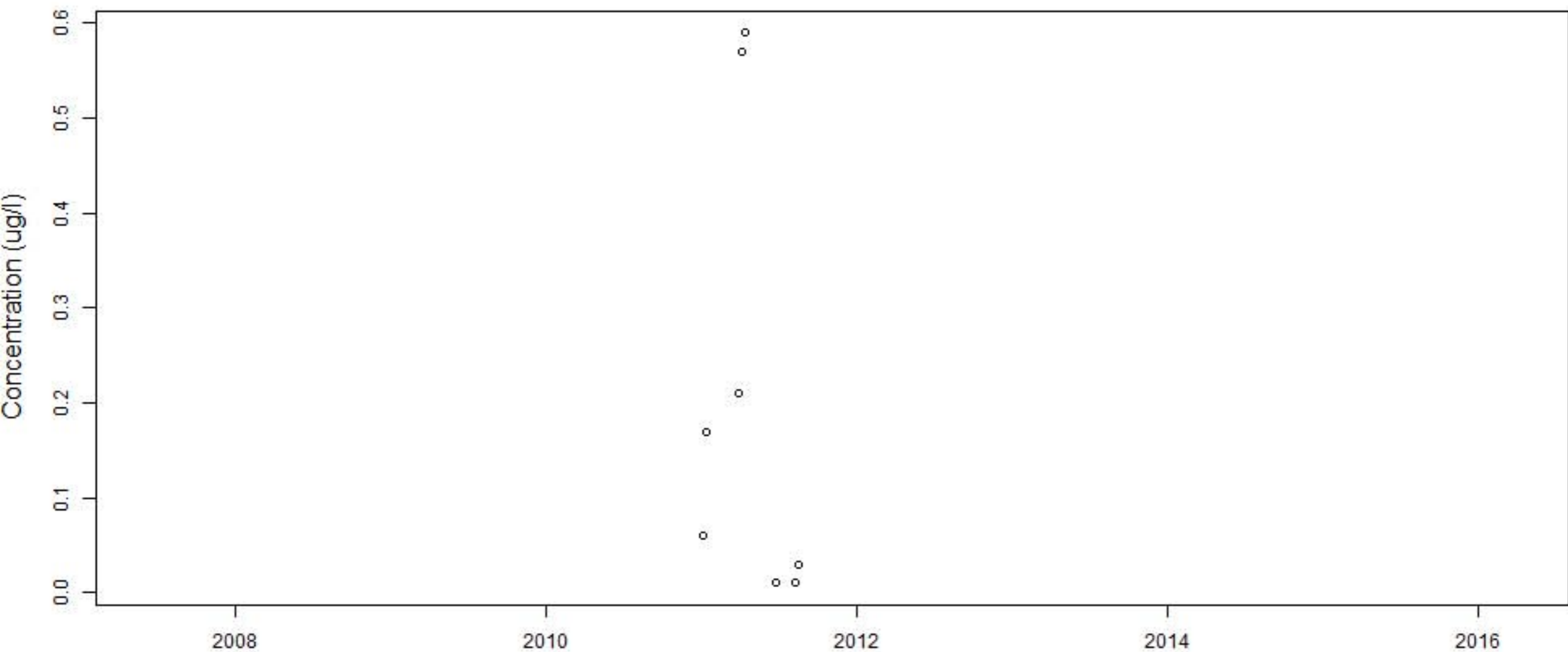
# BECY.7



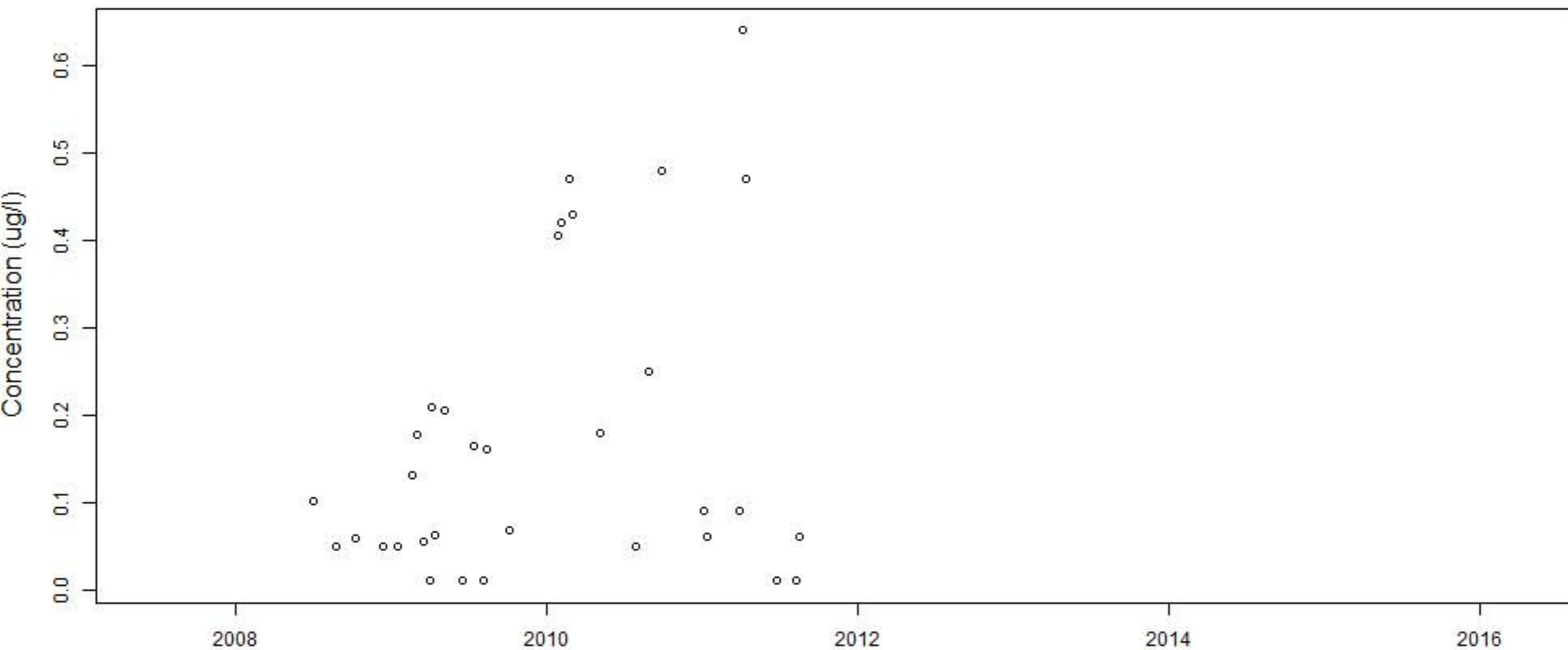
# BECY.7ra.Comp



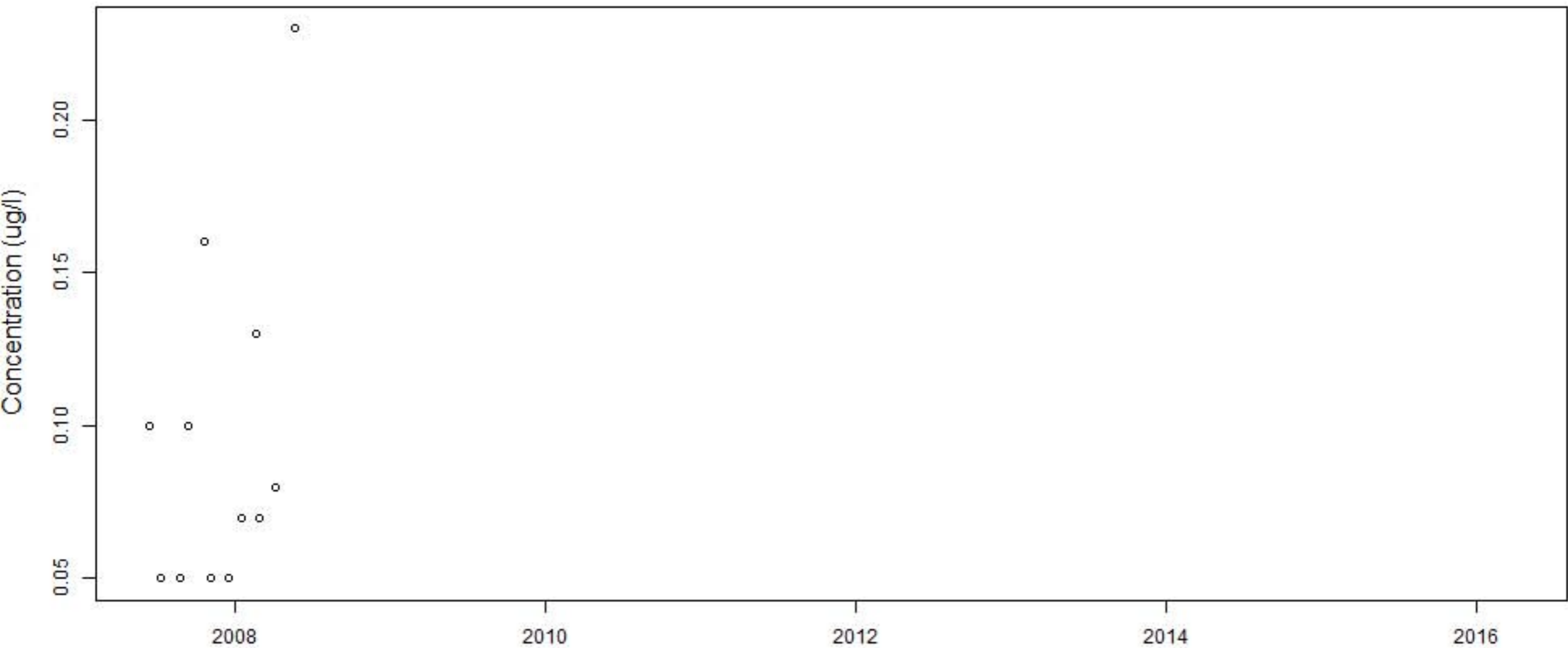
BECY.7ra.Grab.After



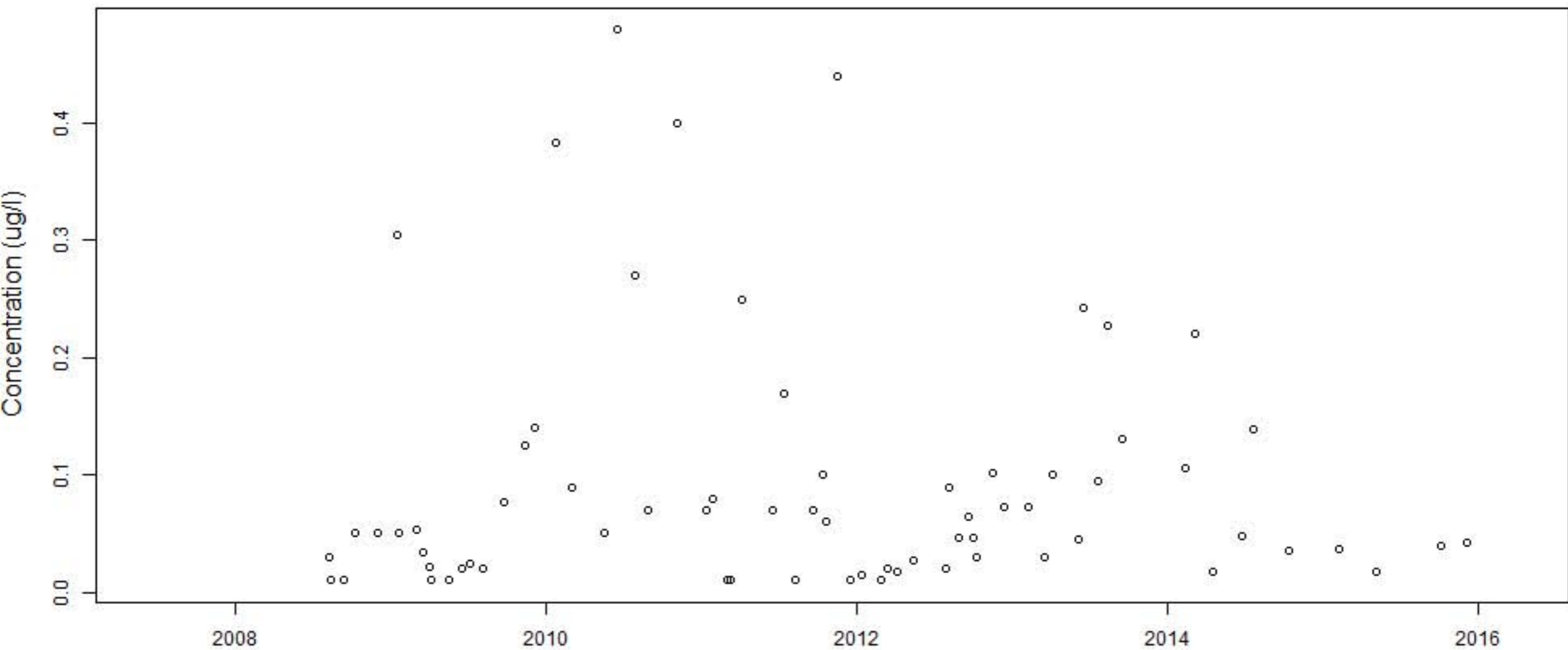
### BECY.7ra.Grab



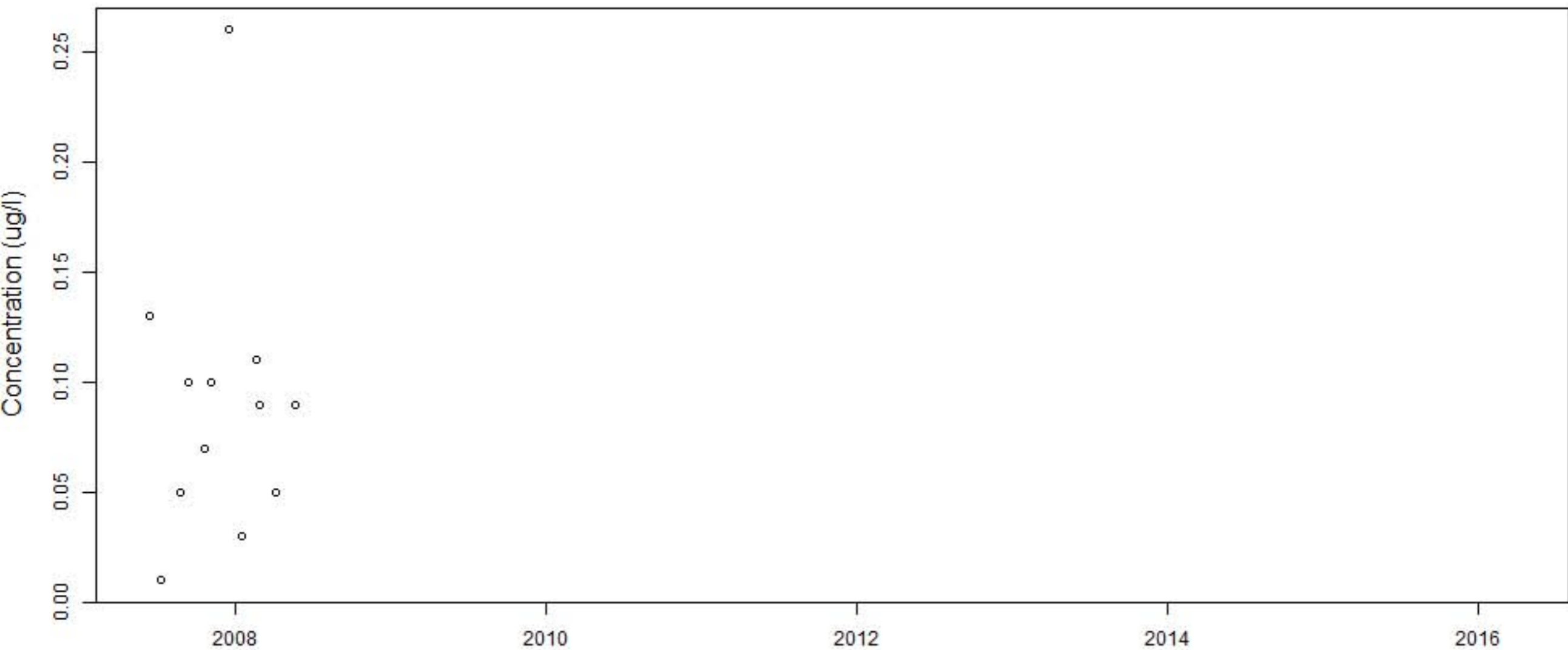
# BECY.8



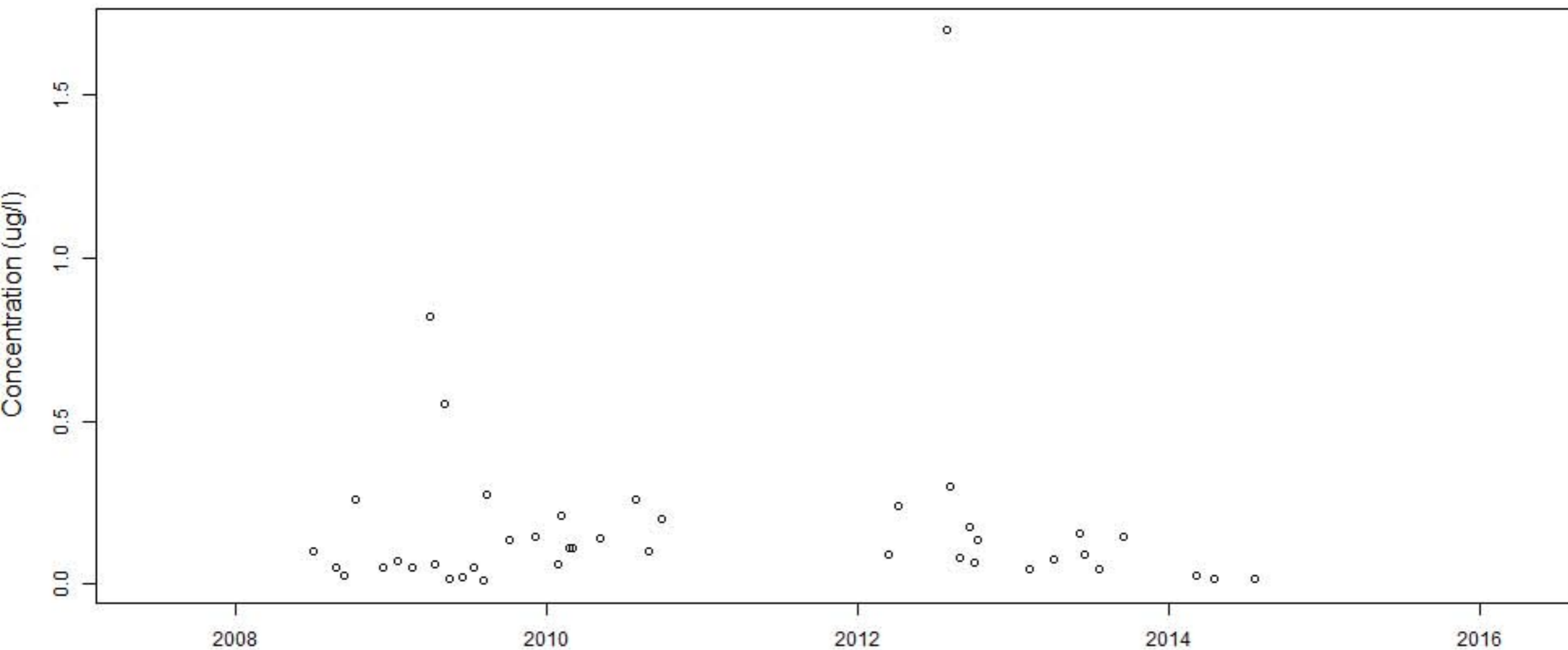
# BECY.8r



# BECY.9

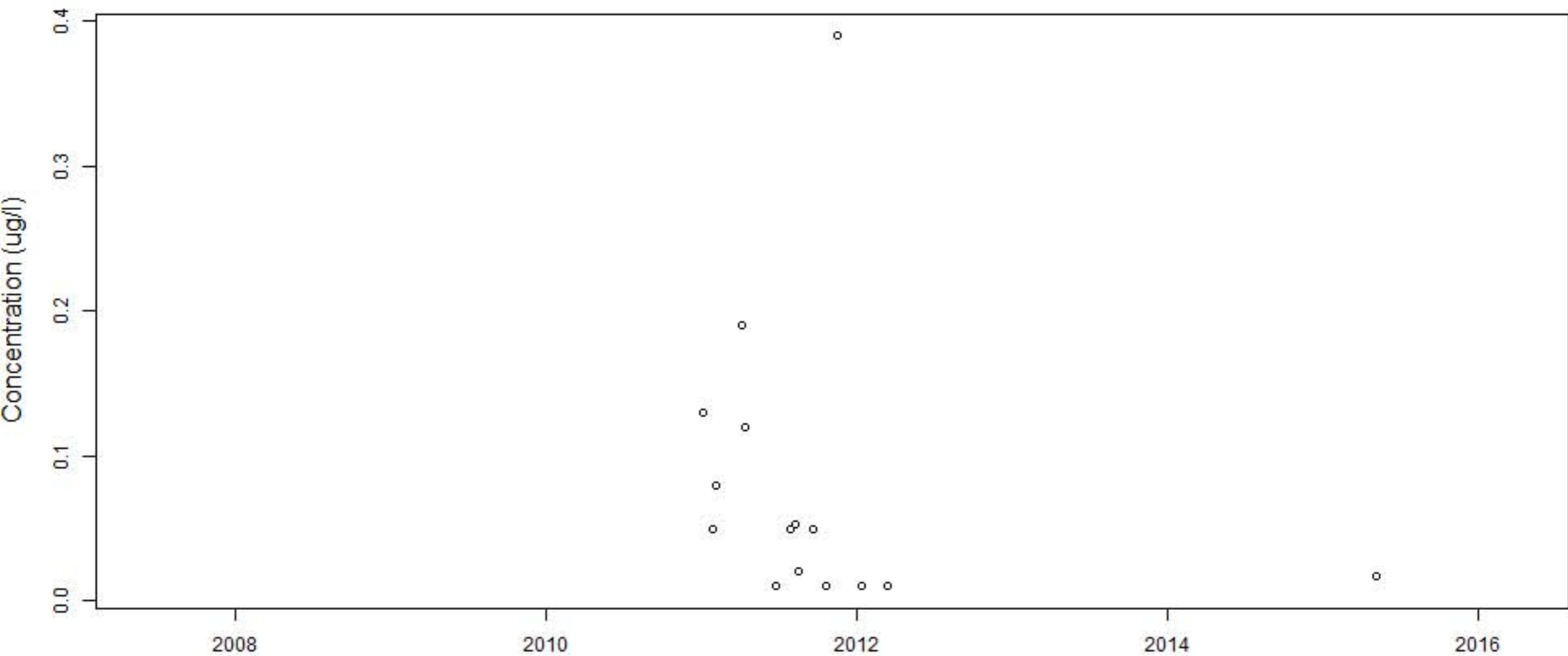


BECY.9ra.Comp

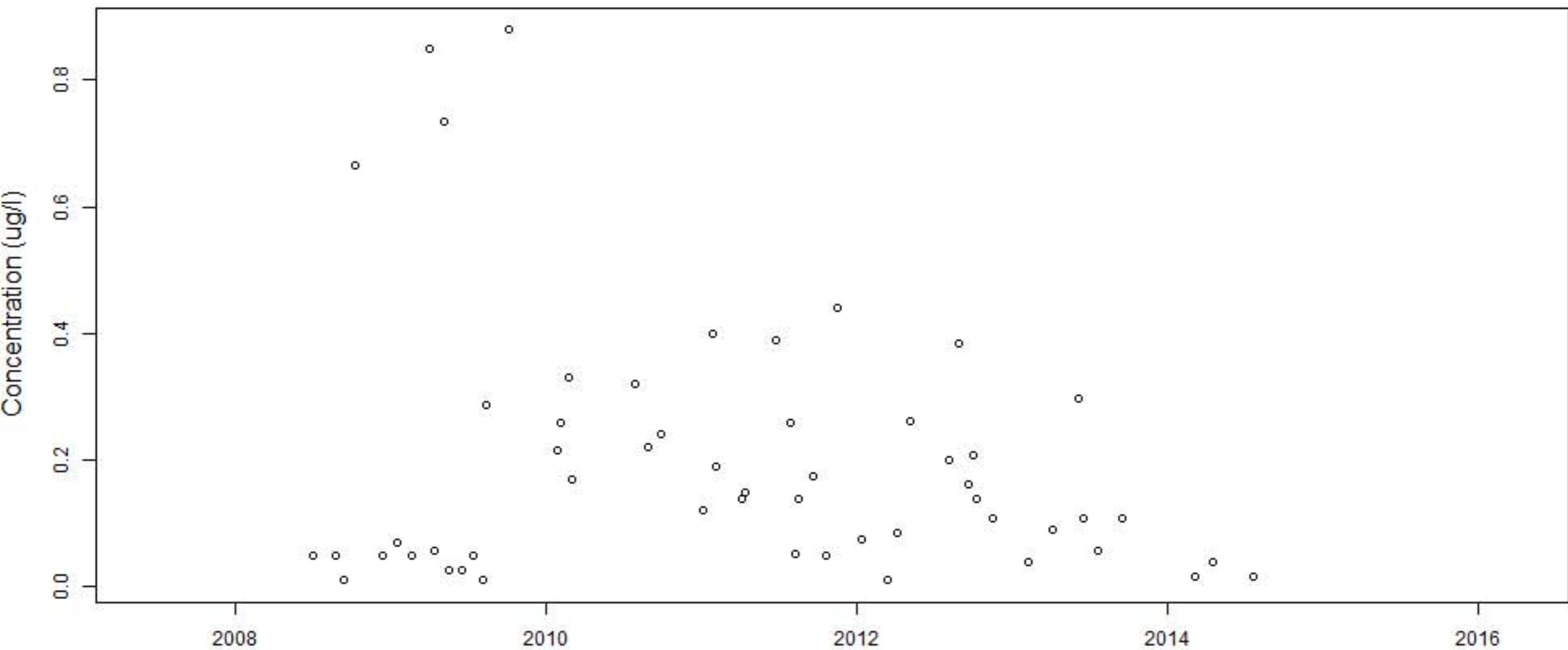




BECY.9ra.Grab.After

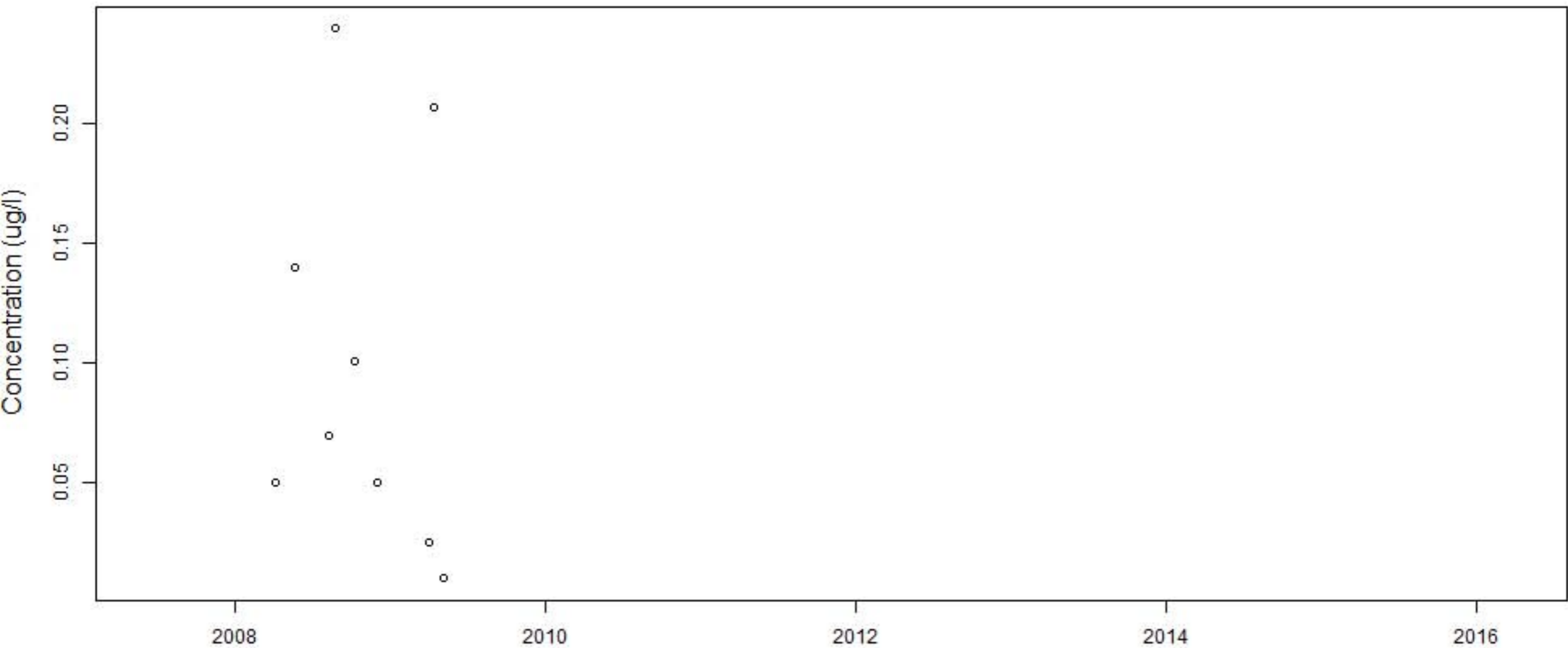


# BECY.9ra.Grab

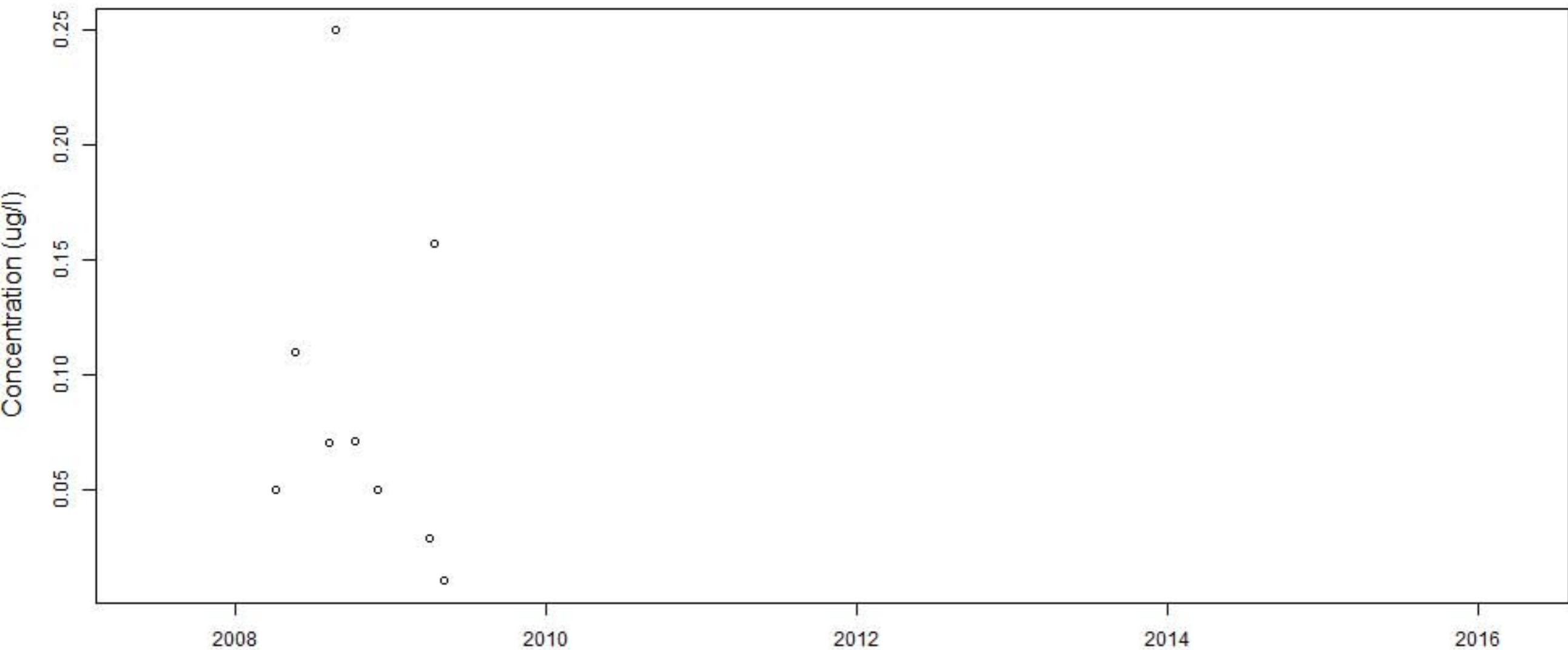




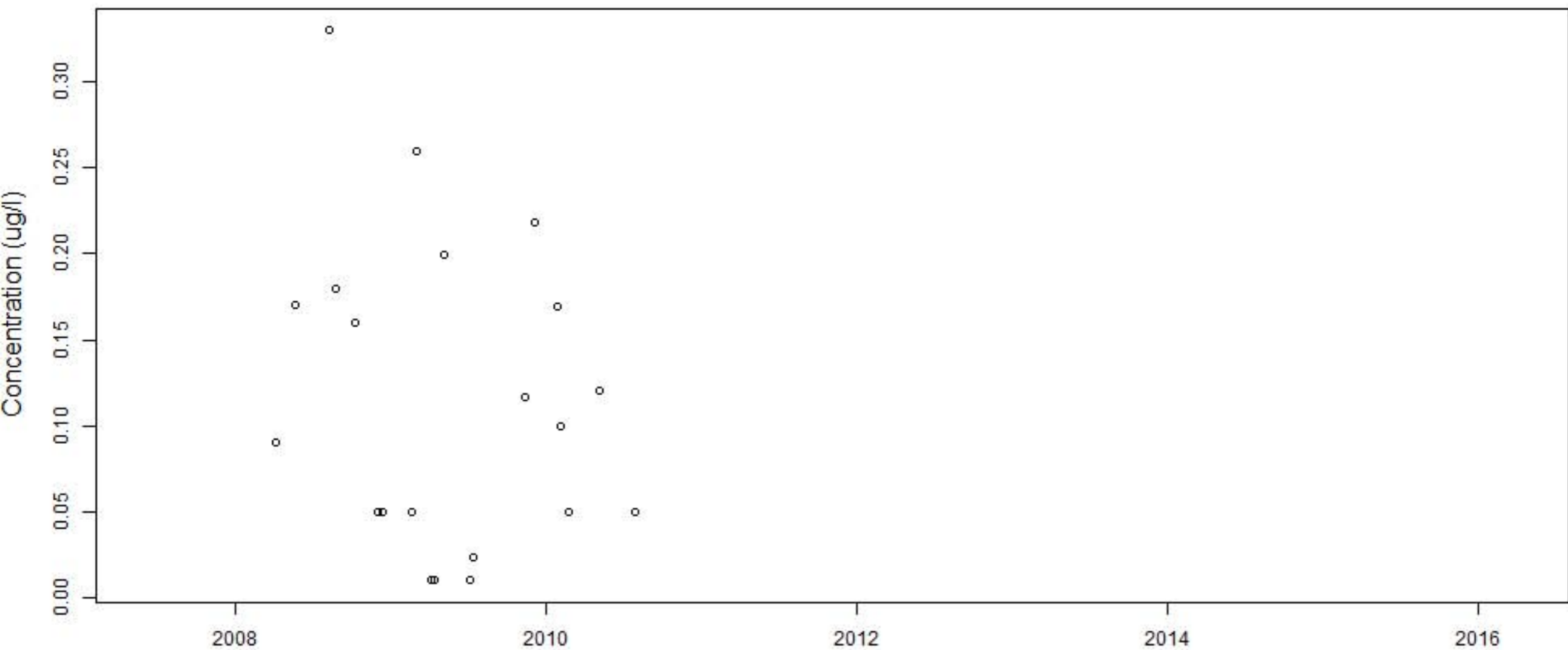
# BM Pep...IN.COMP



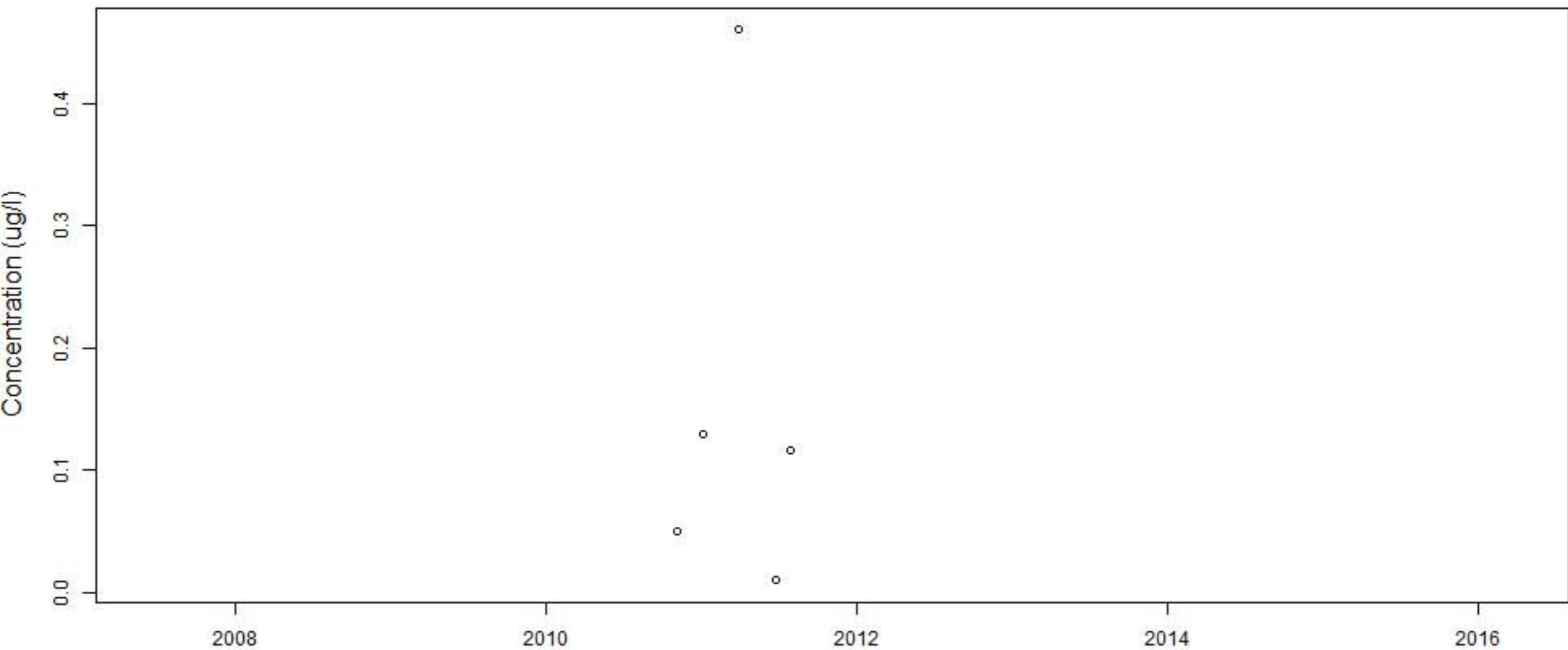
# BM Pep...IN.GRAB



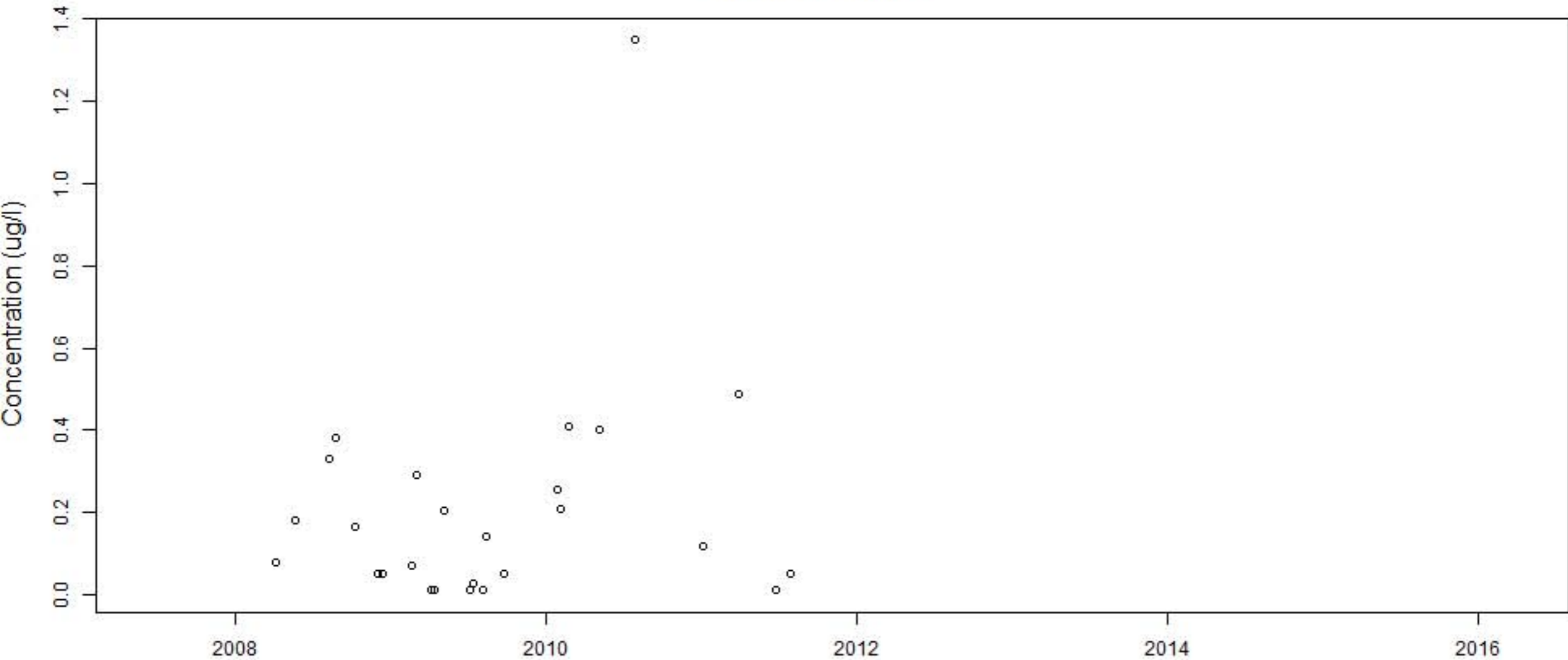
# BMPep...OUT.COMP



BM Pep...OUT.Grab.After

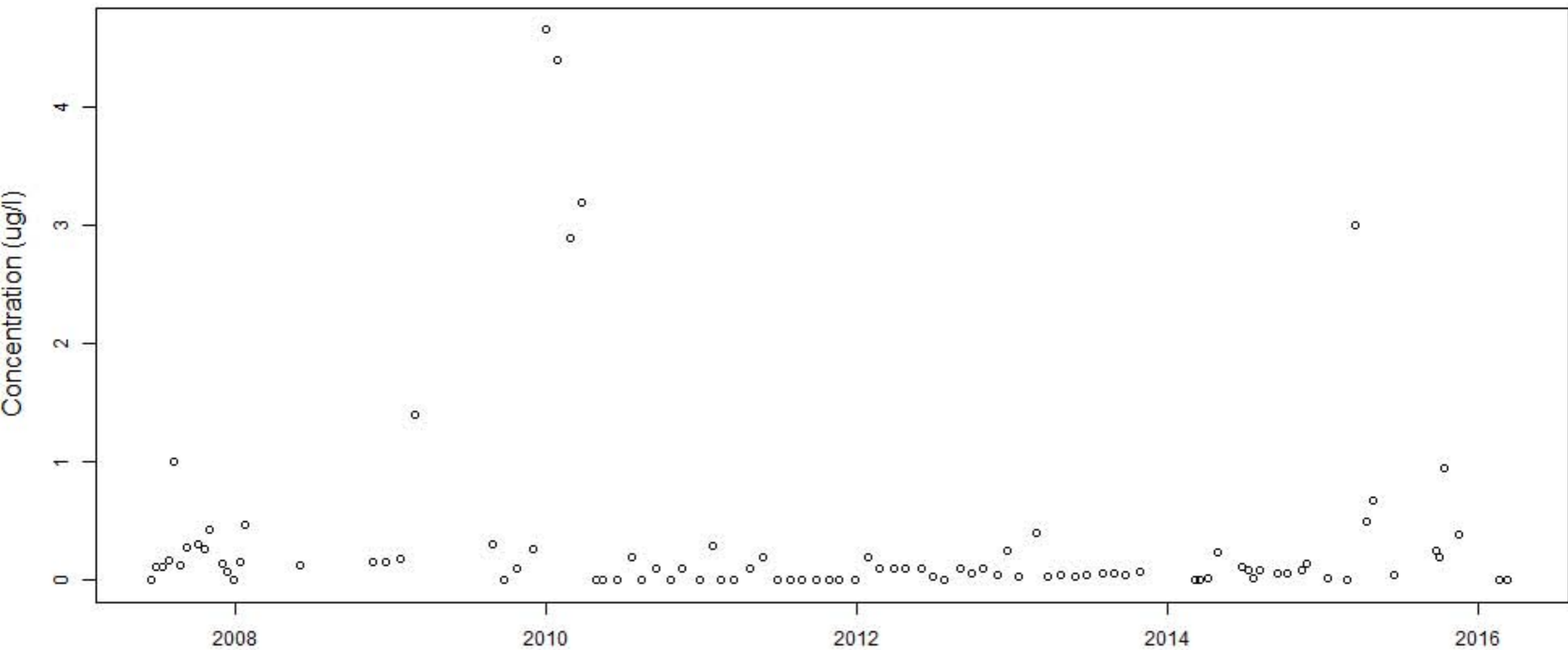


BM Pep...OUT.GRAB

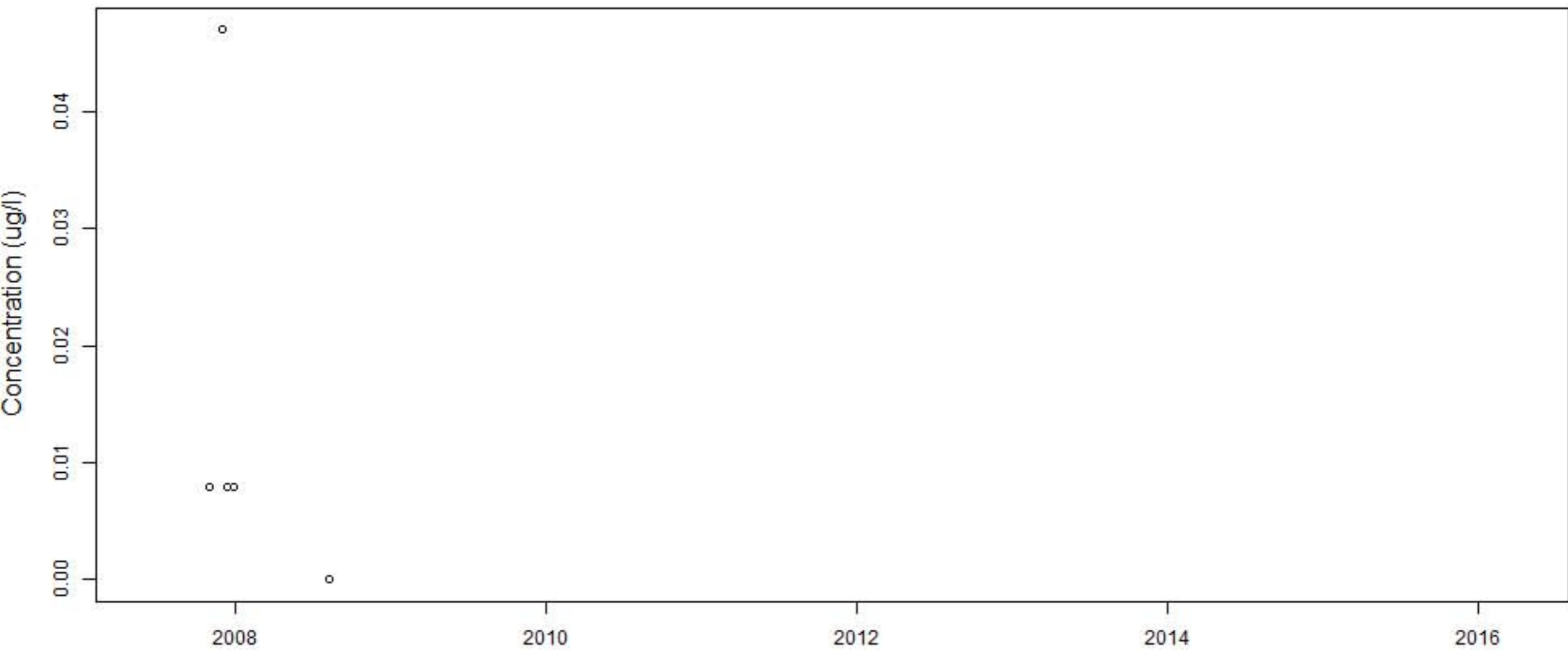




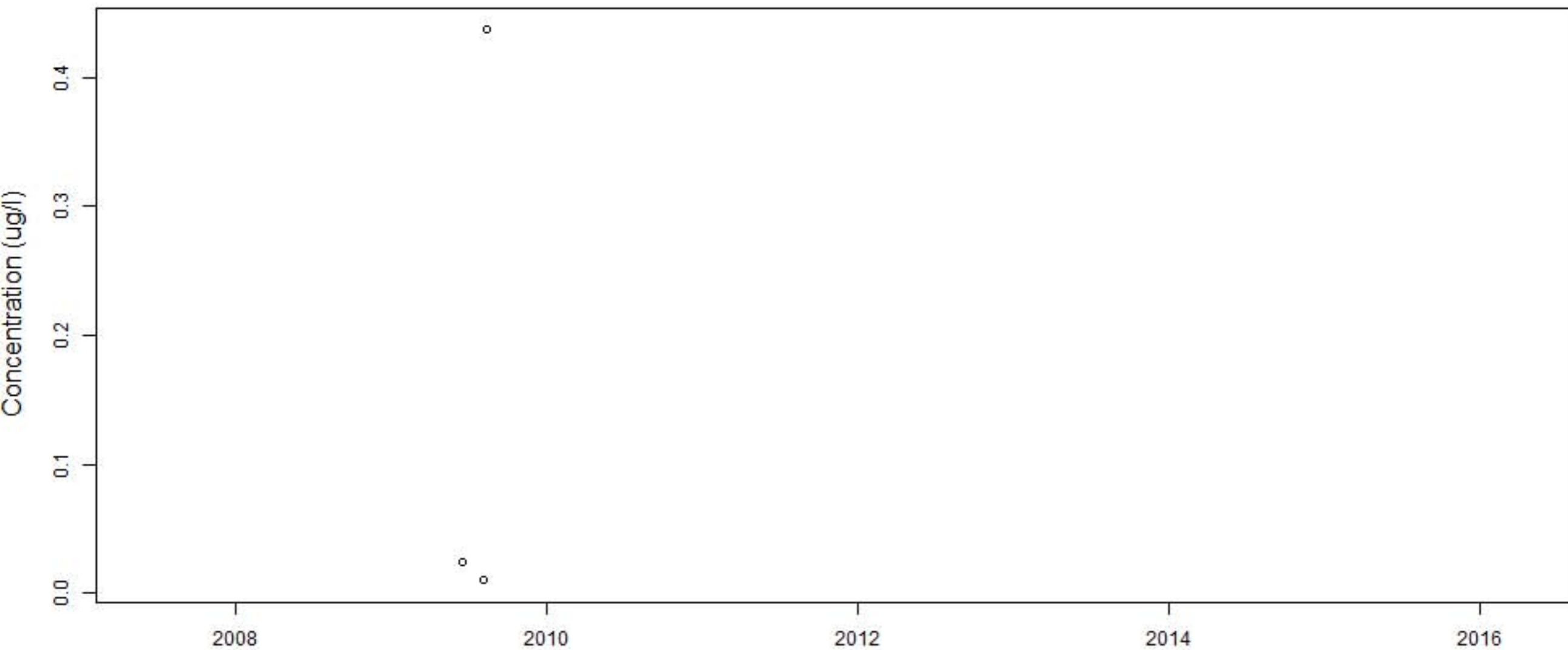
# BROAD.POINTE



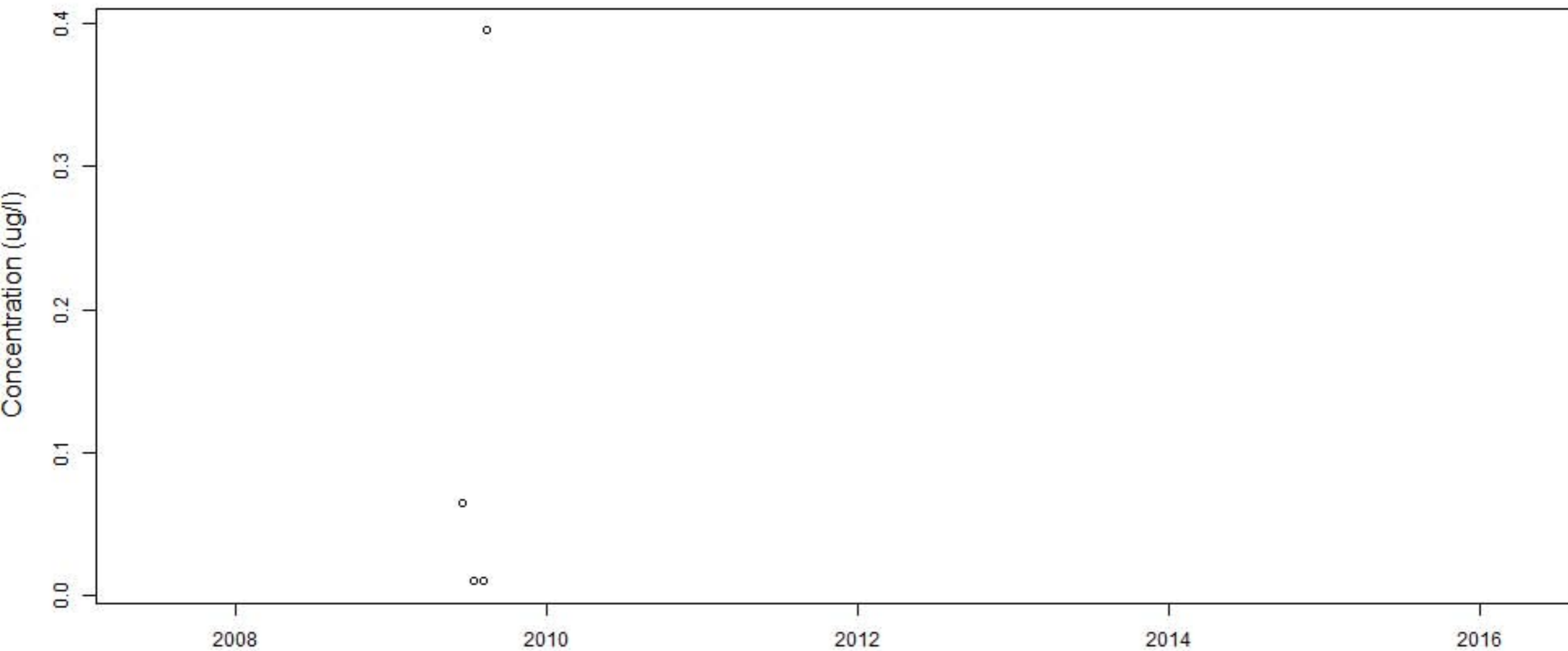
# BURKE.S.BEACH



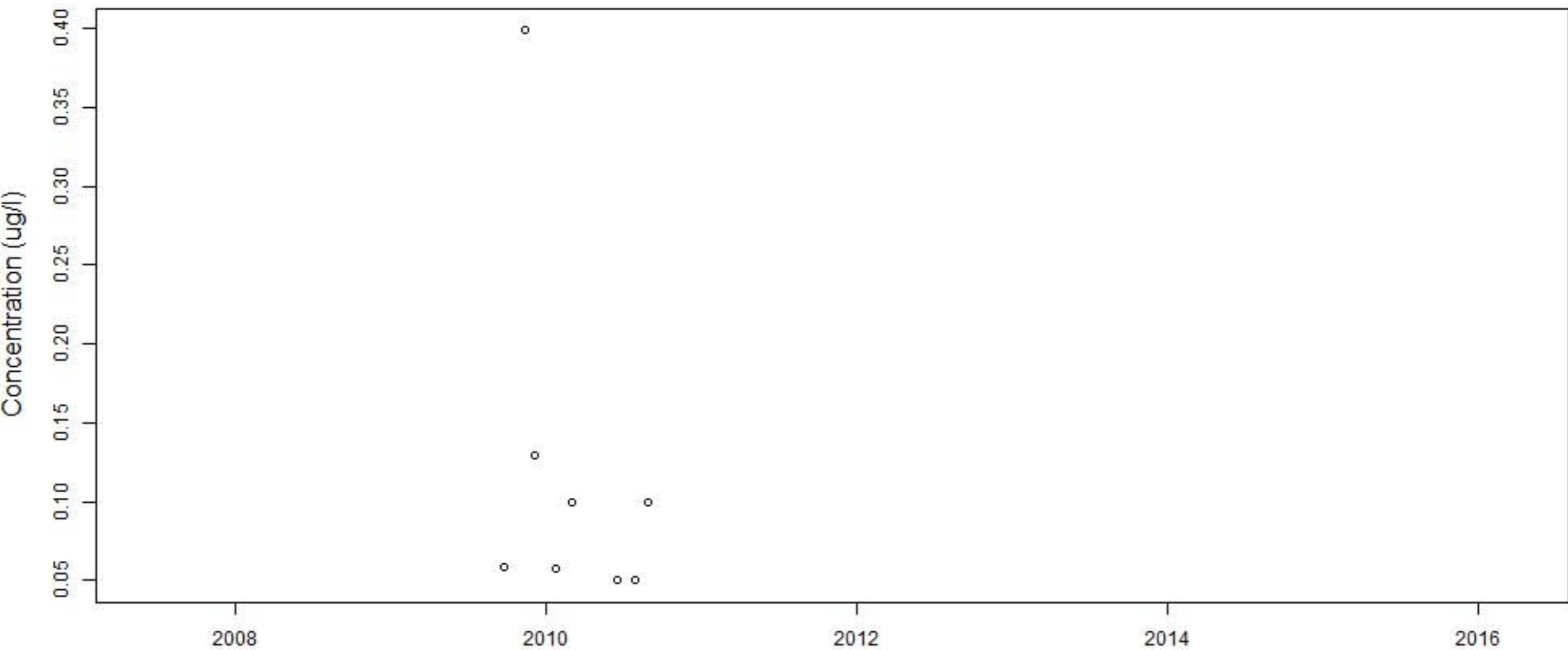
# Christine.Place.Comp



# Christine.Place.Grab

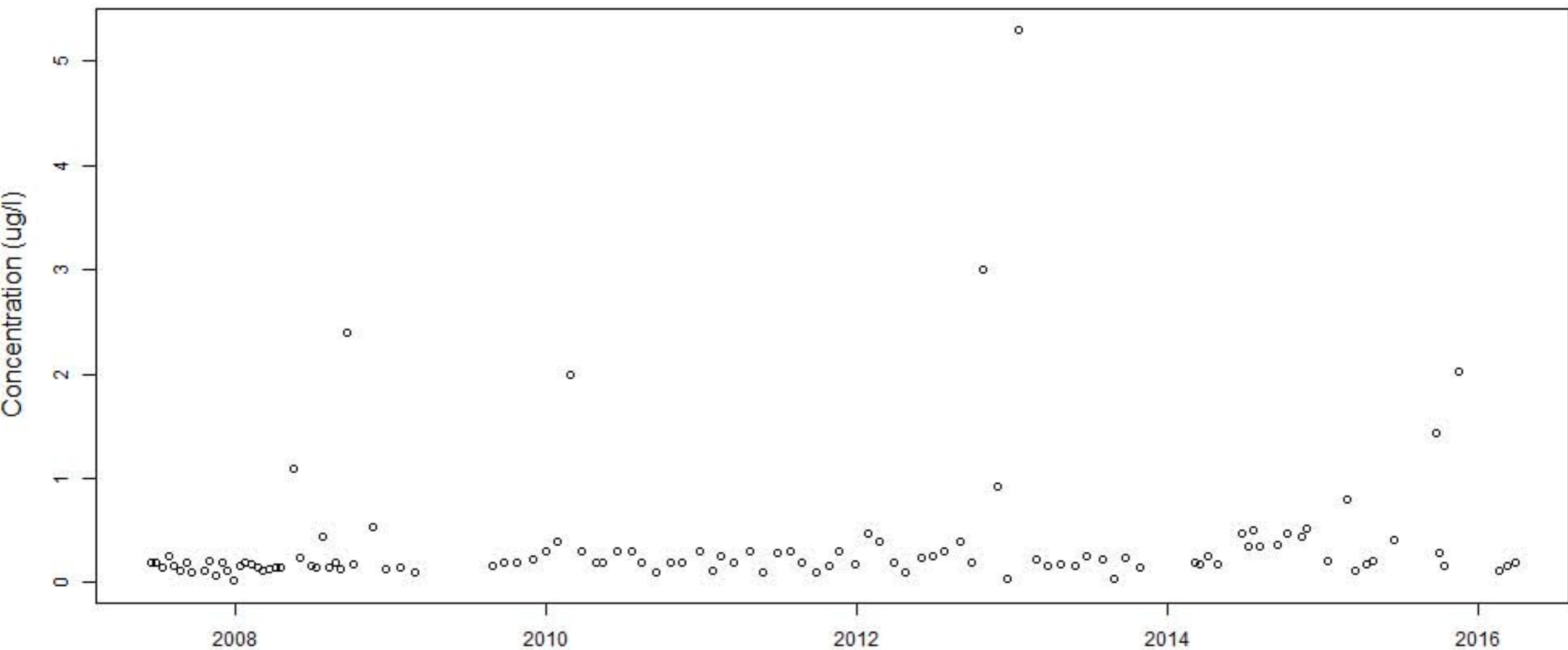


# Christine.Place.R

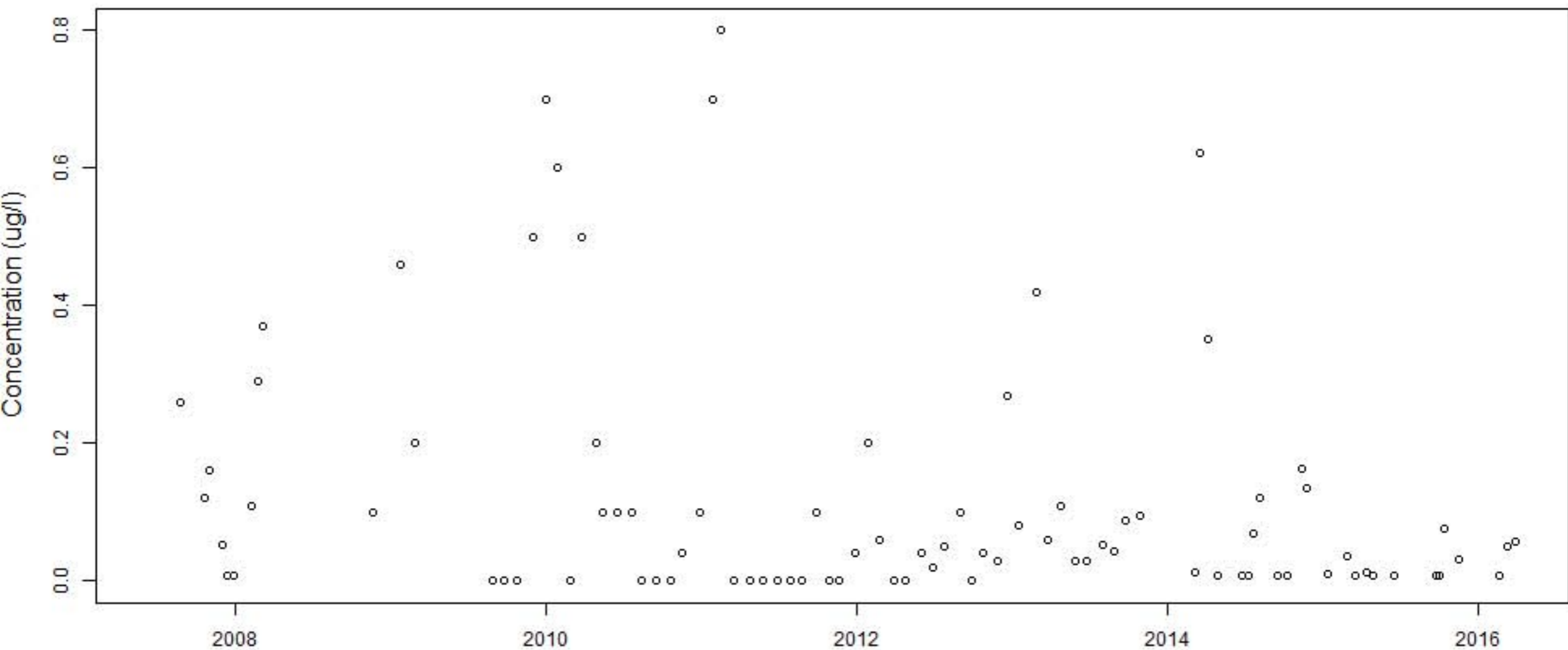




# CREATION.STATION



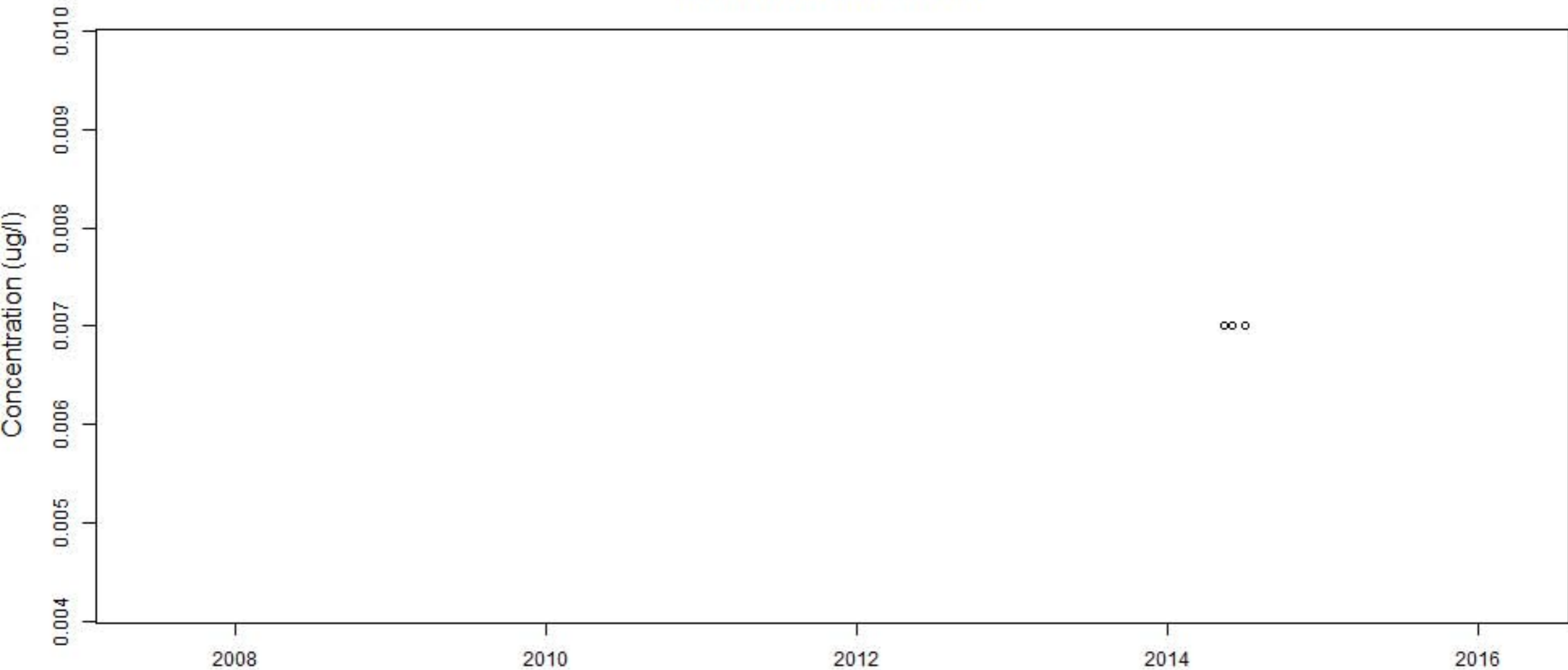
# CSA



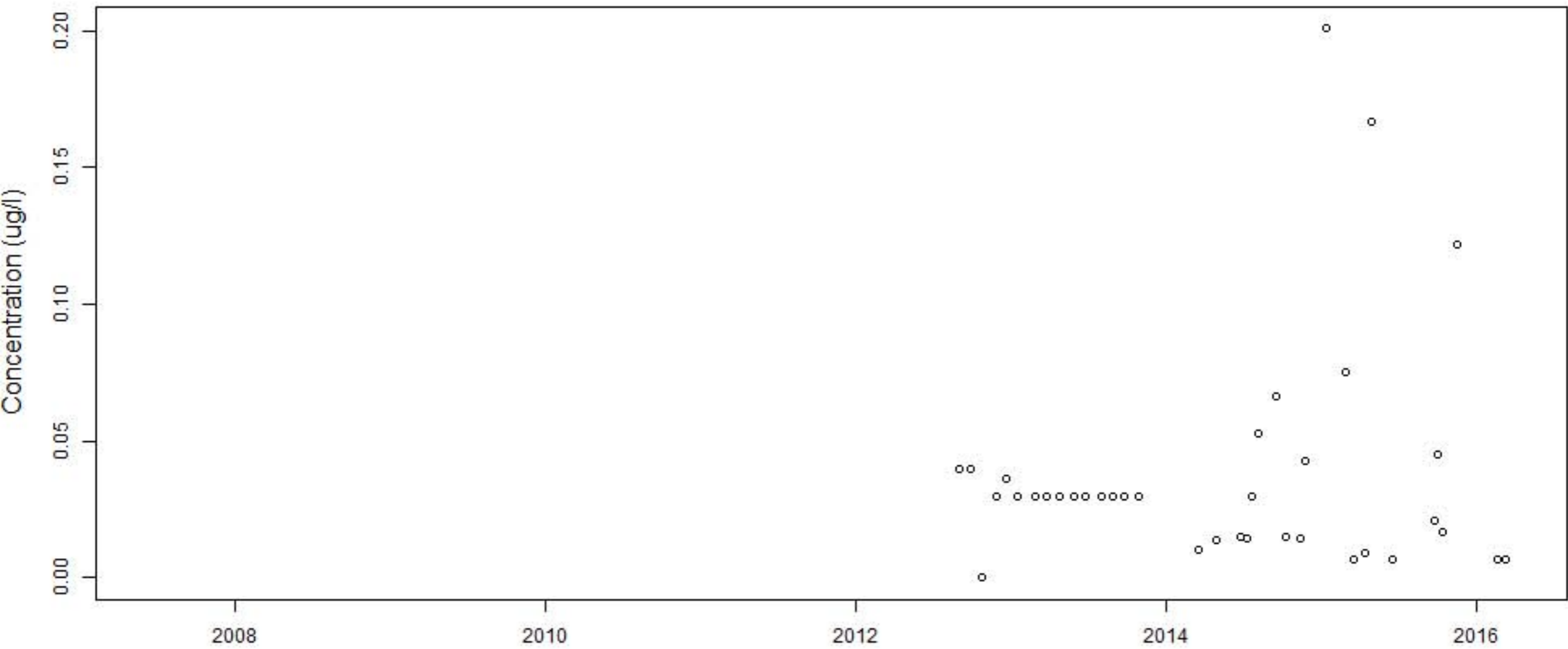




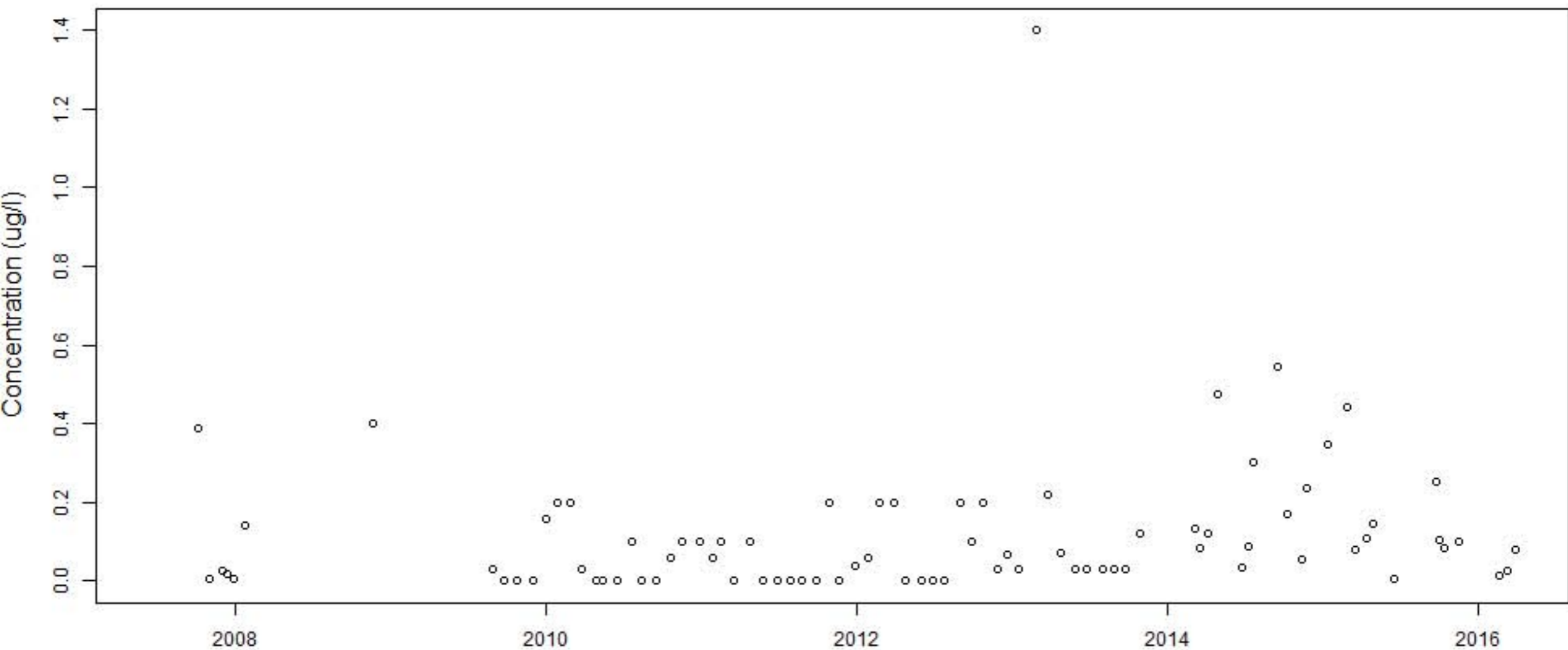
EXECUTIVE.PARK.ROAD.107



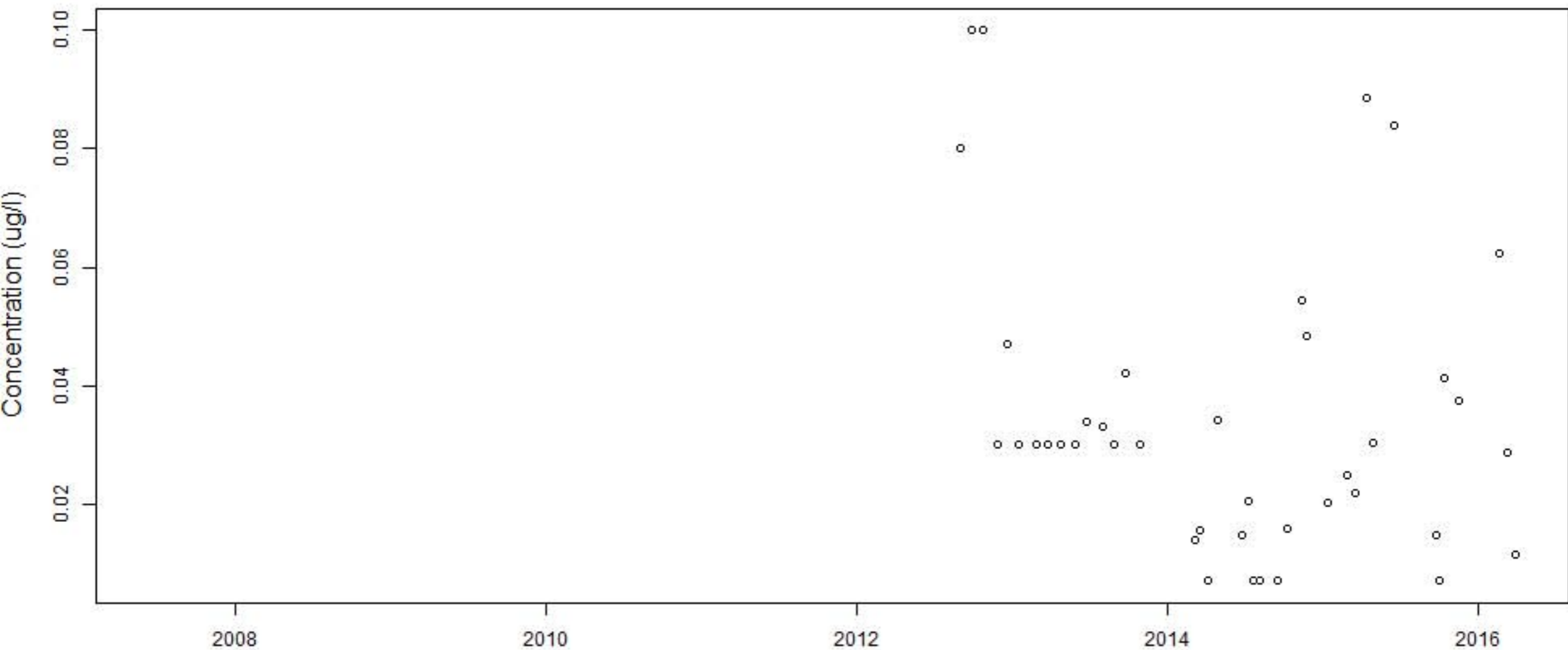
# FISH.HAUL



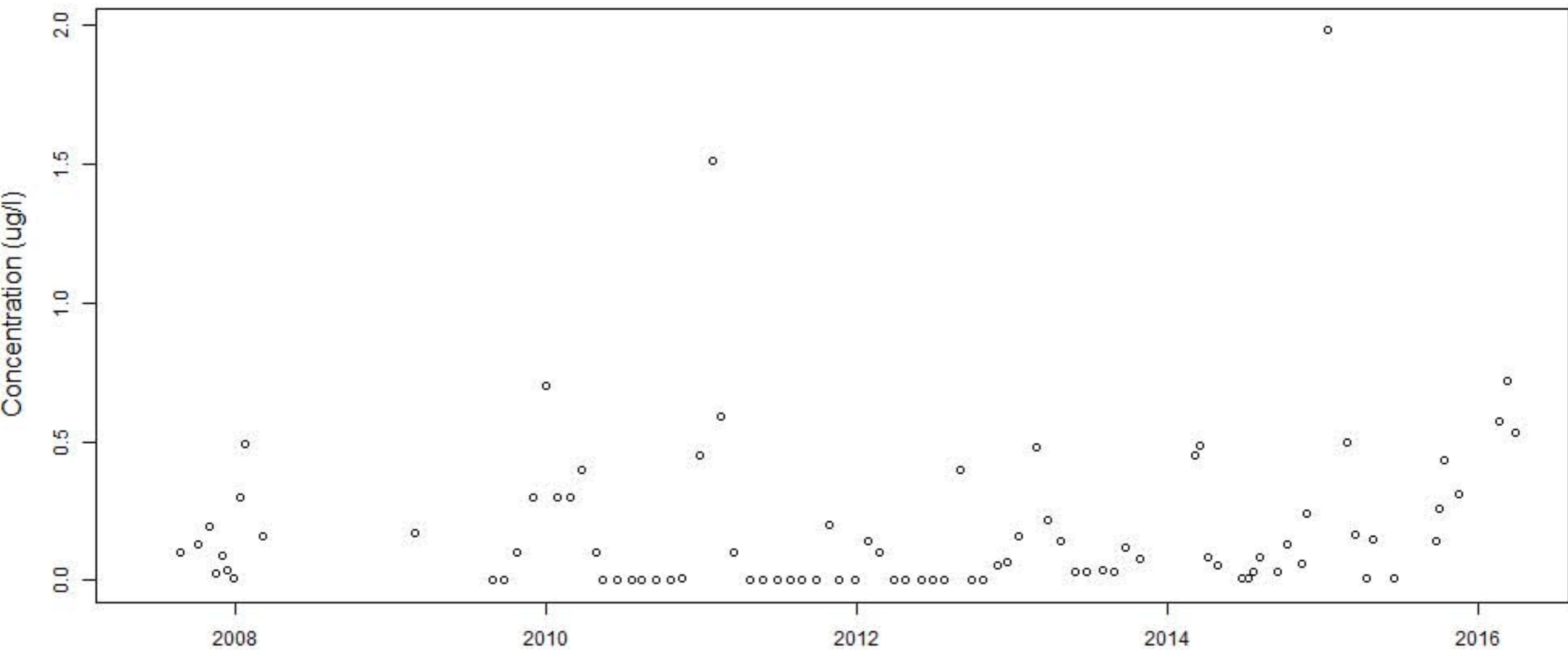
# GUM.TREE



# HARBOR.MANOR

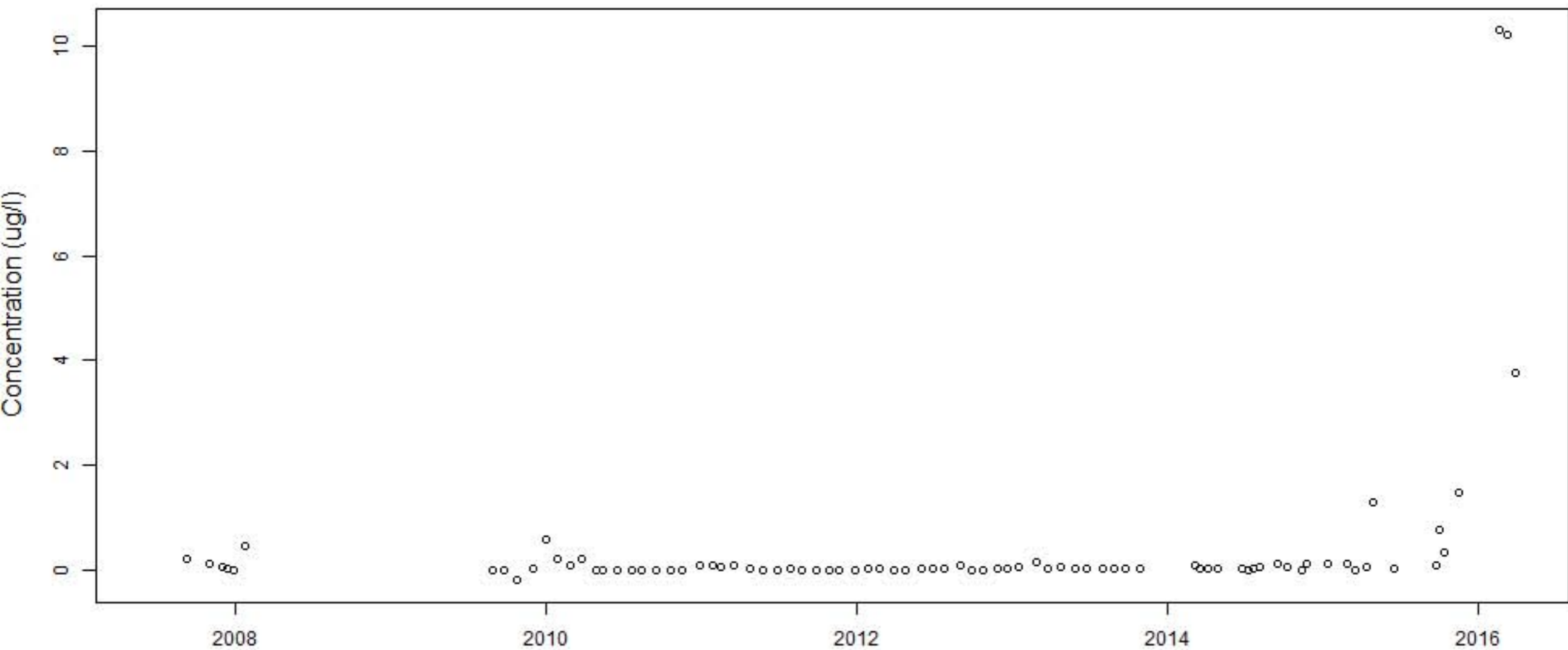


# HILTON.HEAD.PREP





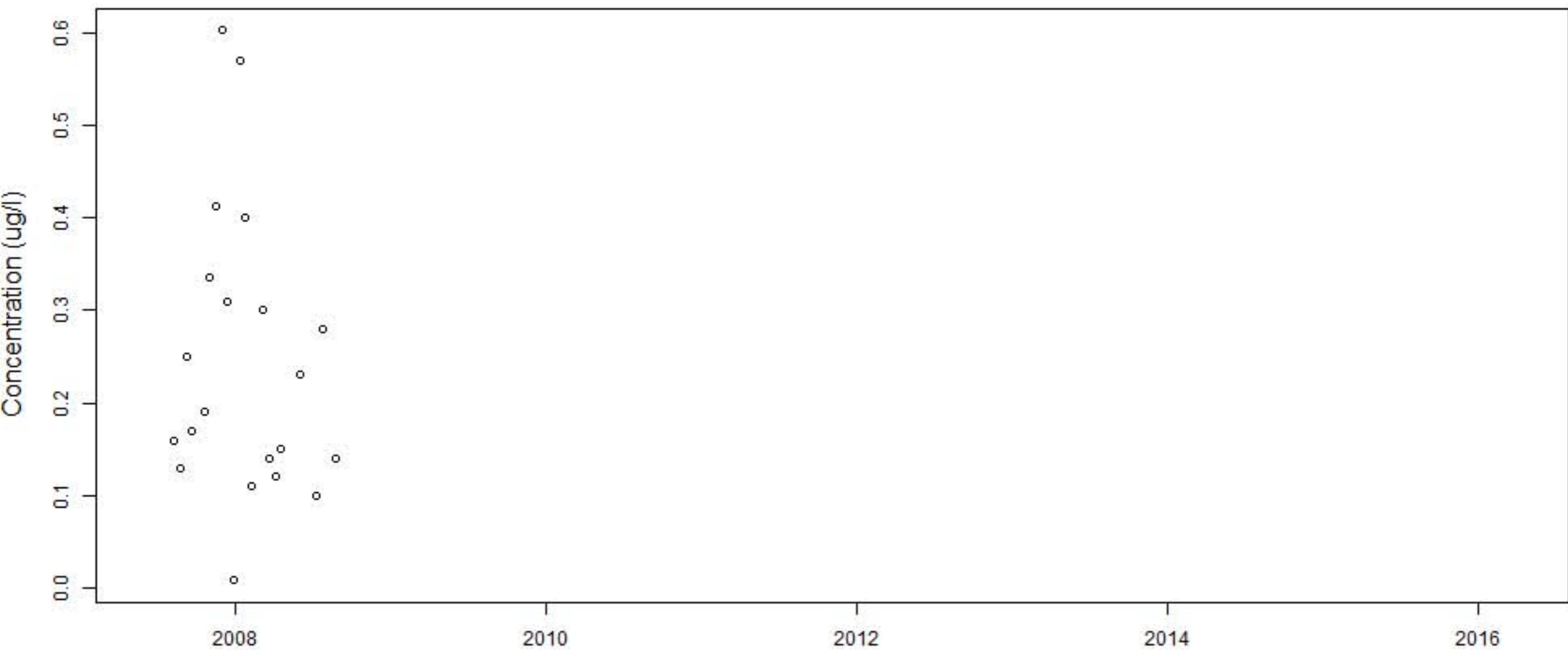
# JARVIS.2





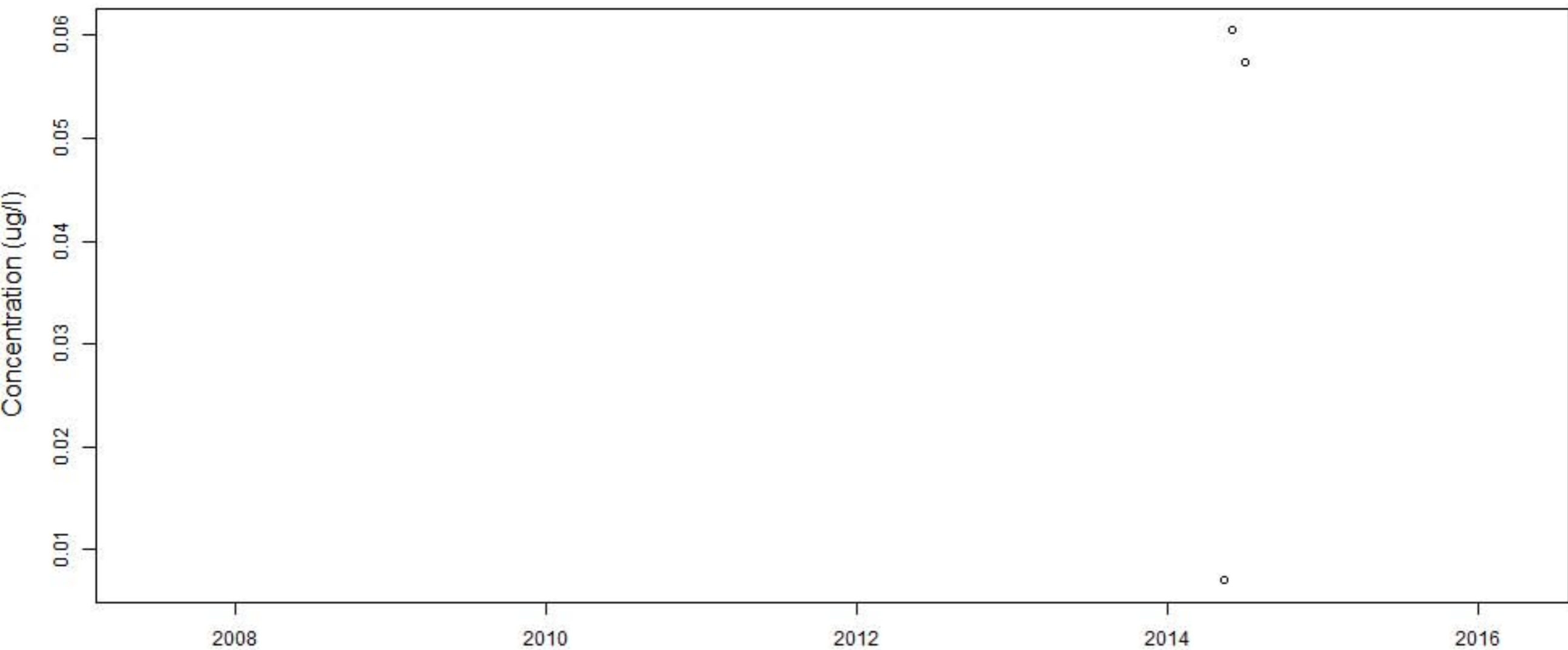


# MATHEWS.1





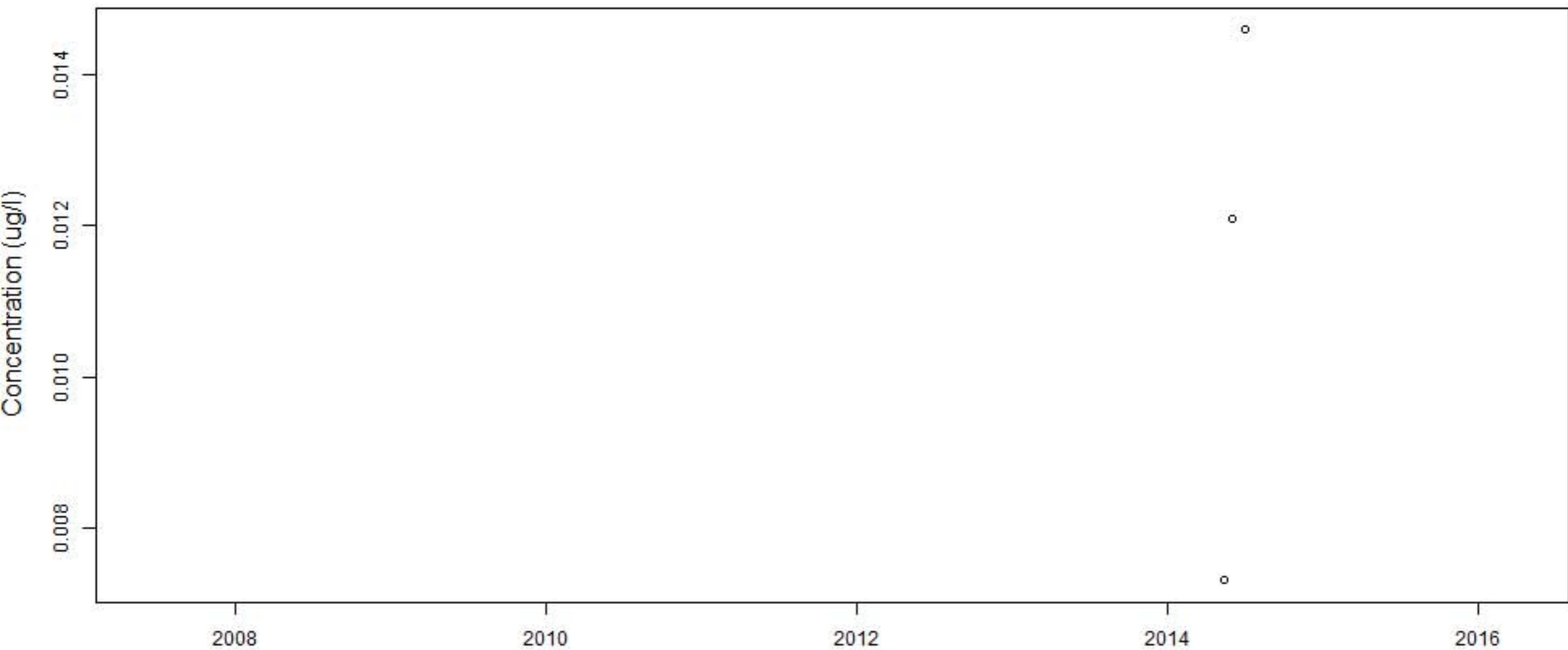
MATHEWS.DRIVE.104



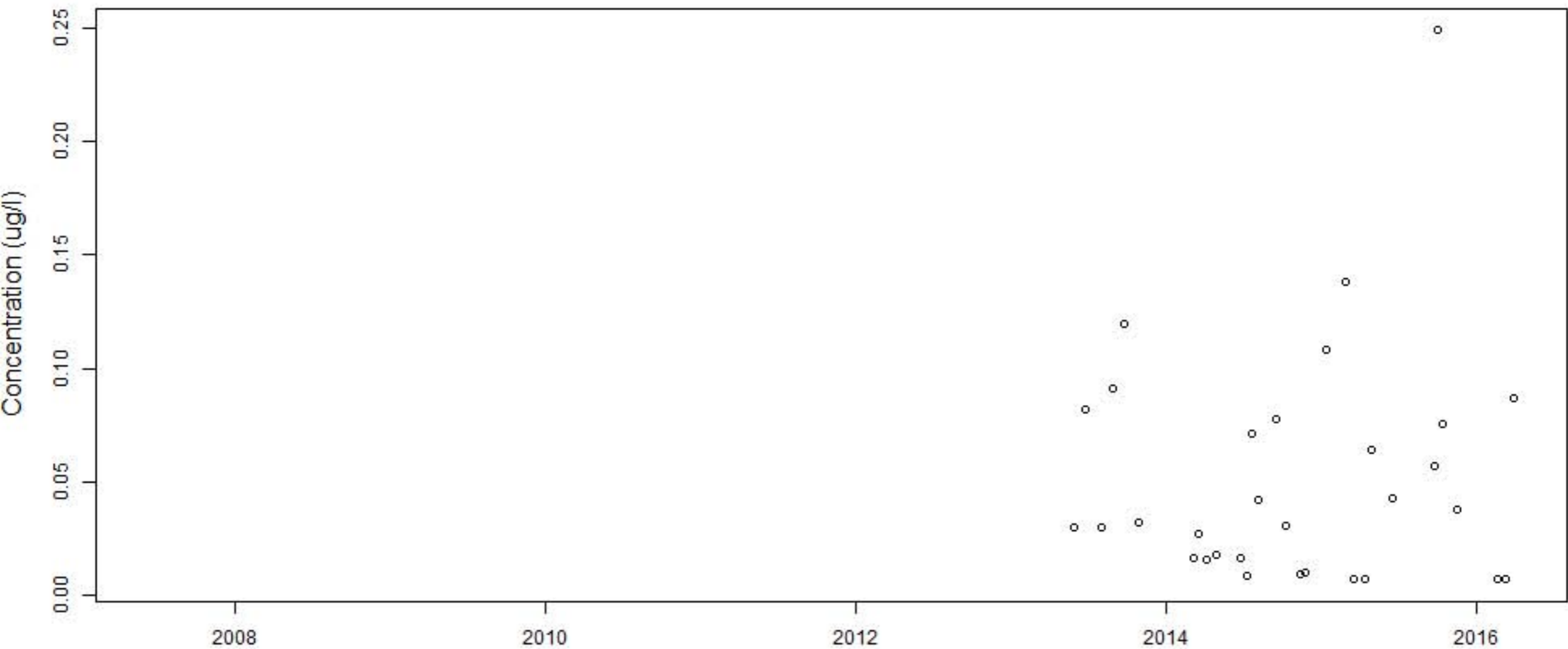




OFFICE.PARK.ROAD.106

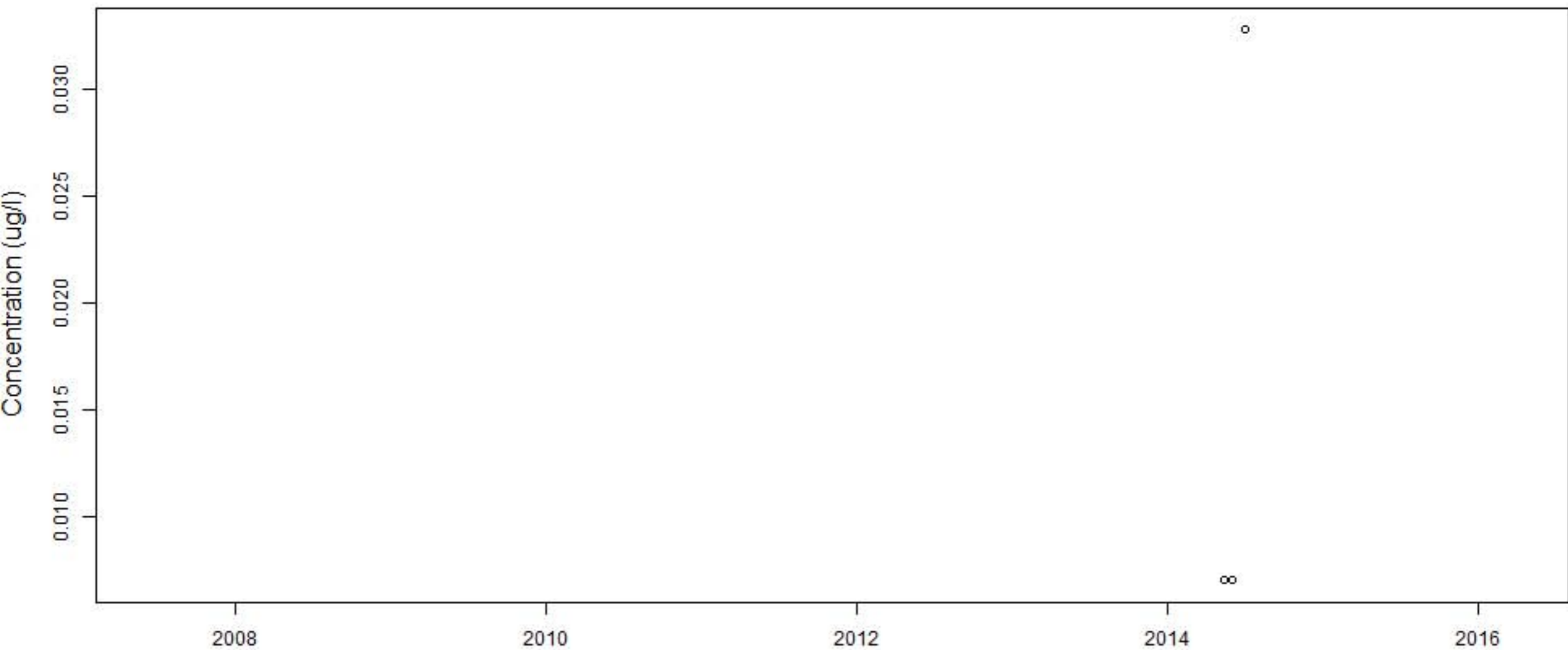


# PALMETTO.DUNES



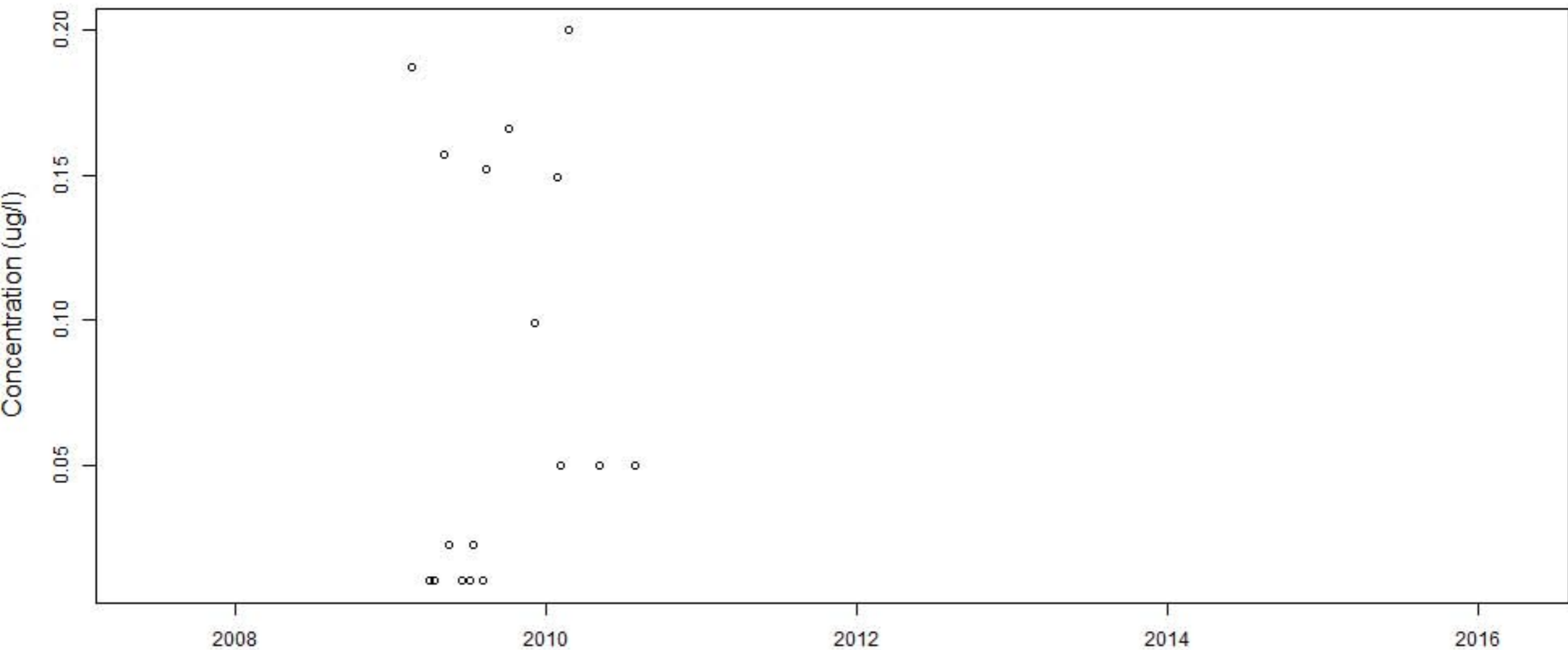


POPE.AVENUE.105

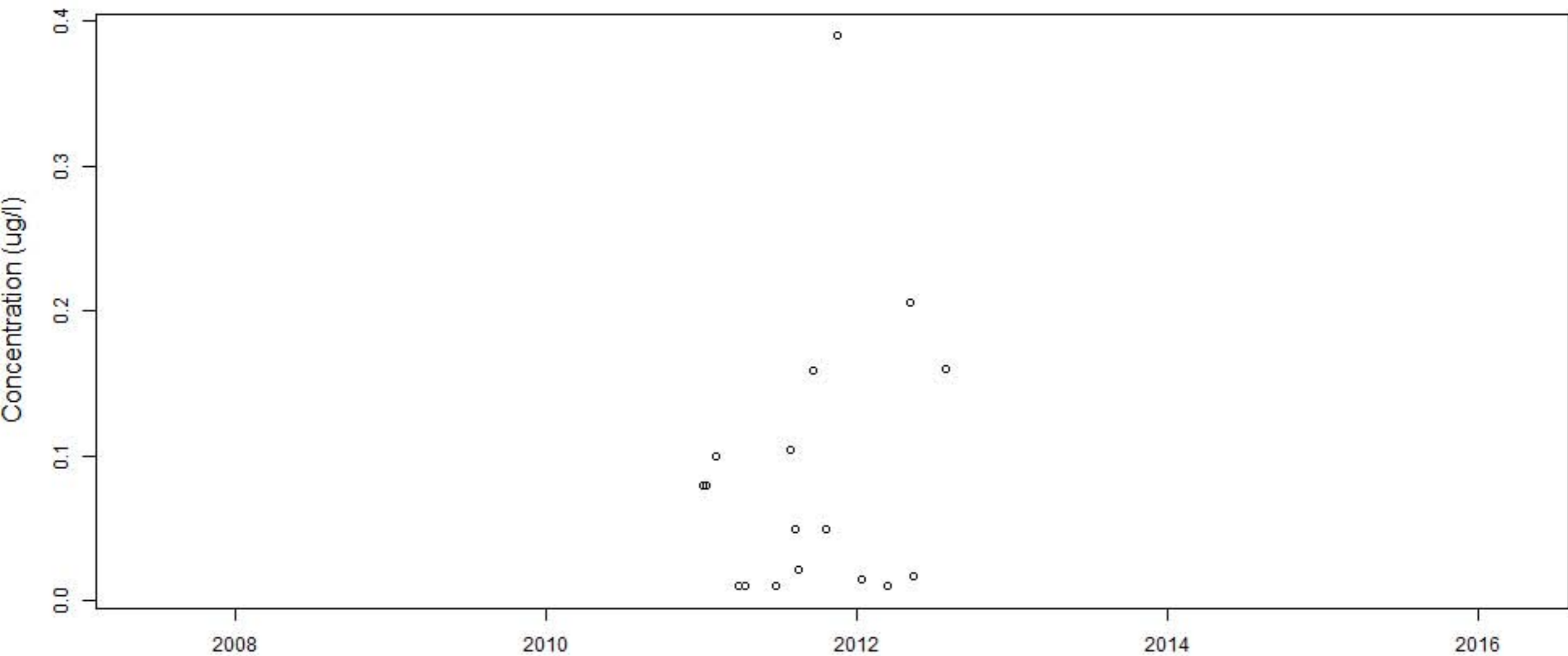




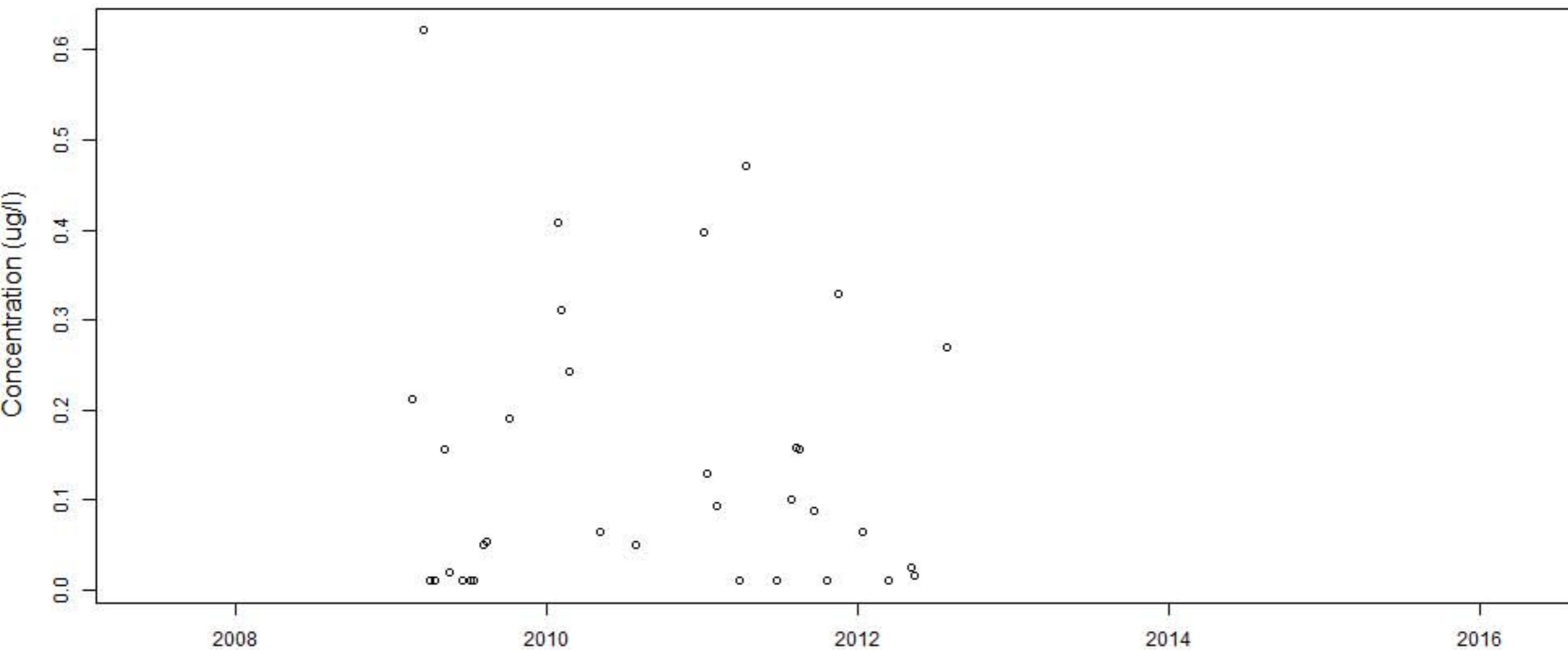
# Southside.Comp



### Southside.Grab.After



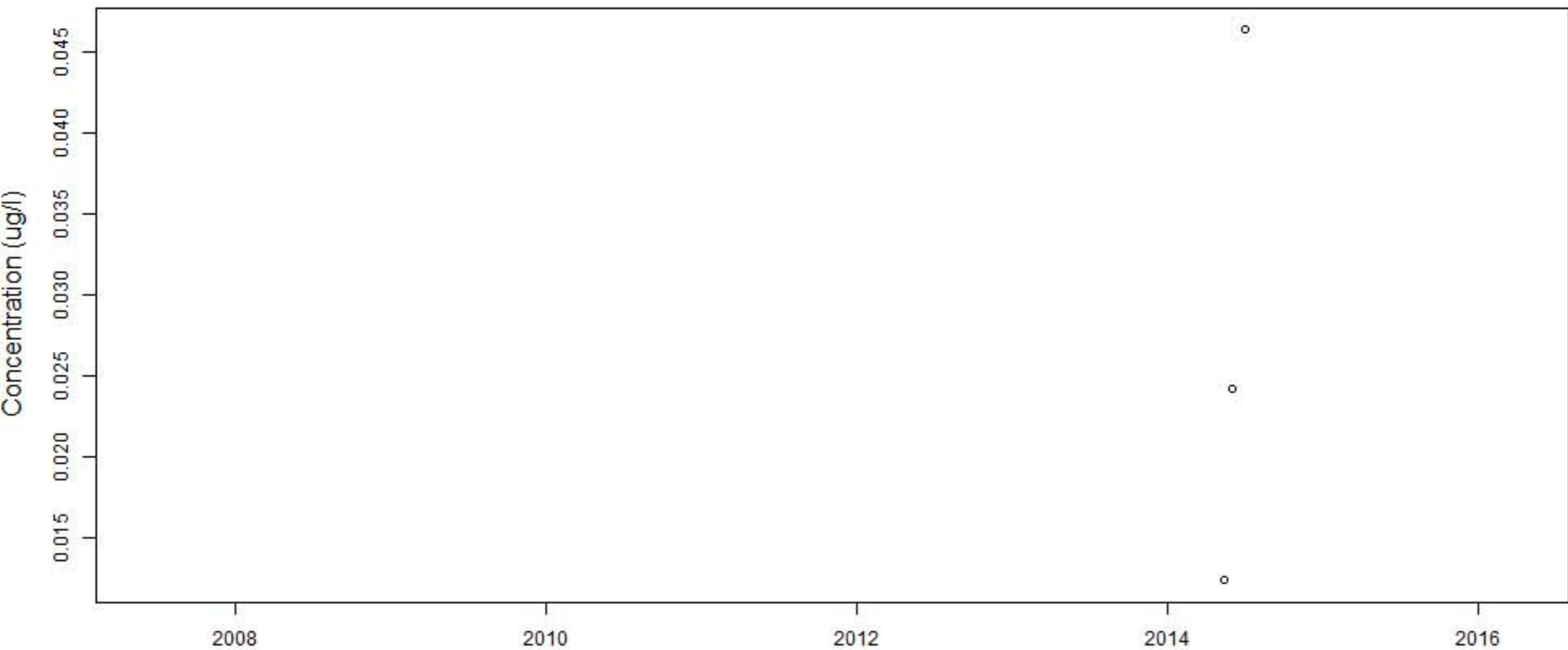
### Southside.Grab







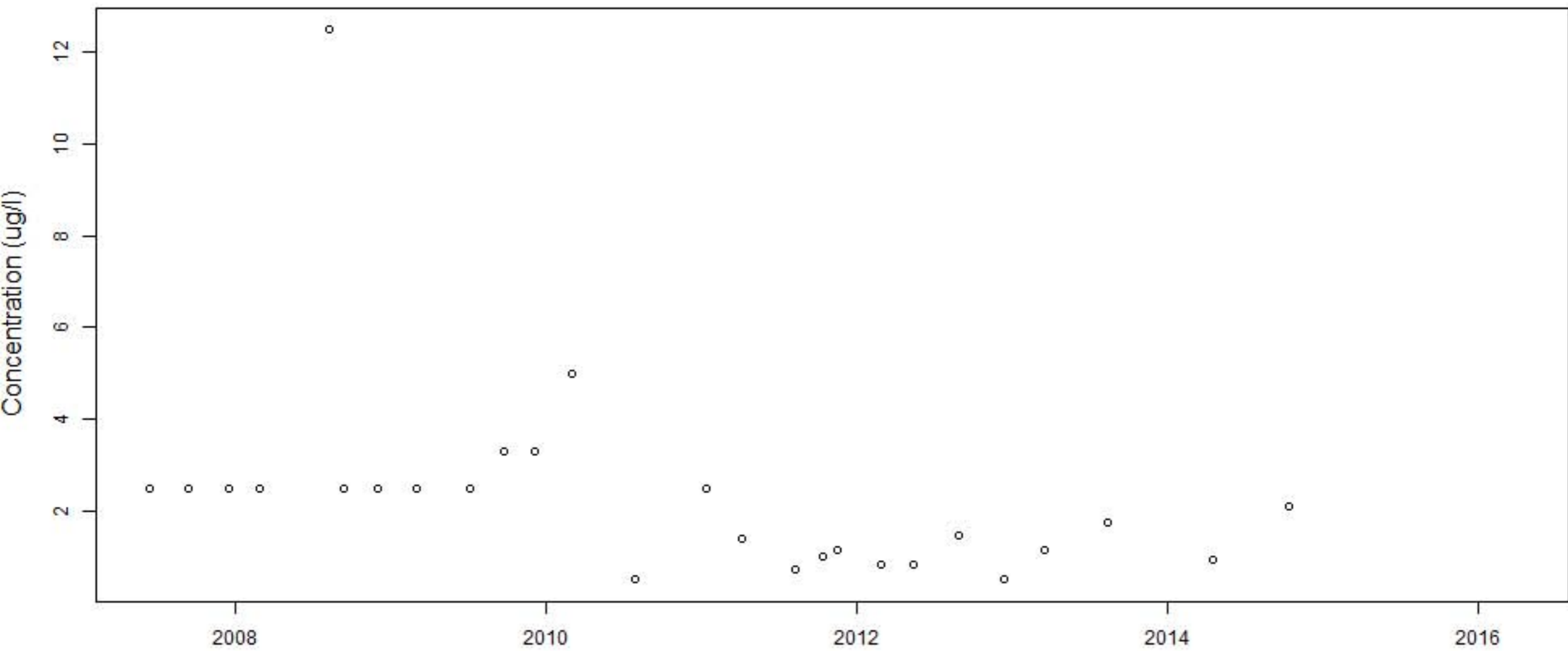
WILLIAM.HILTON.PARKWAY.103



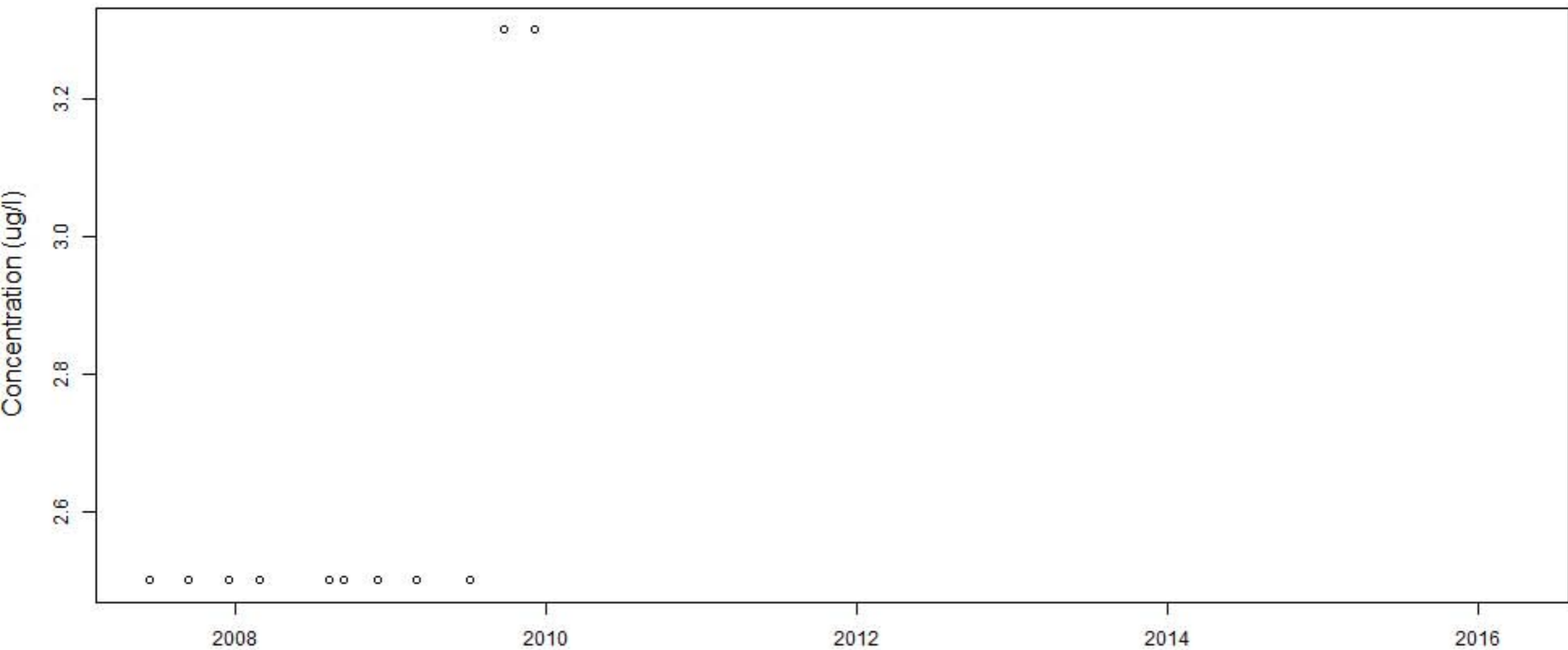


Timeseries of  
Lead  
Water Quality Data  
Collected at  
Beaufort County Stations

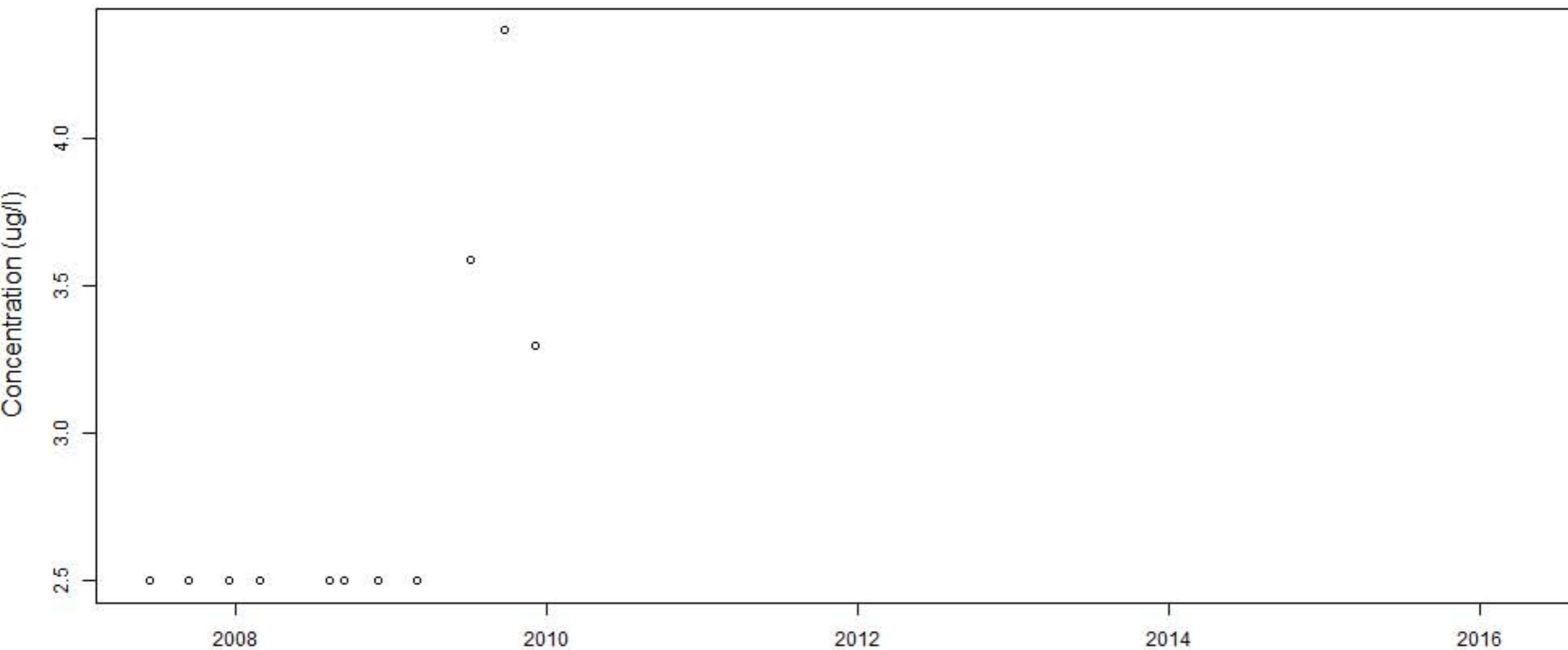
# BECY.1



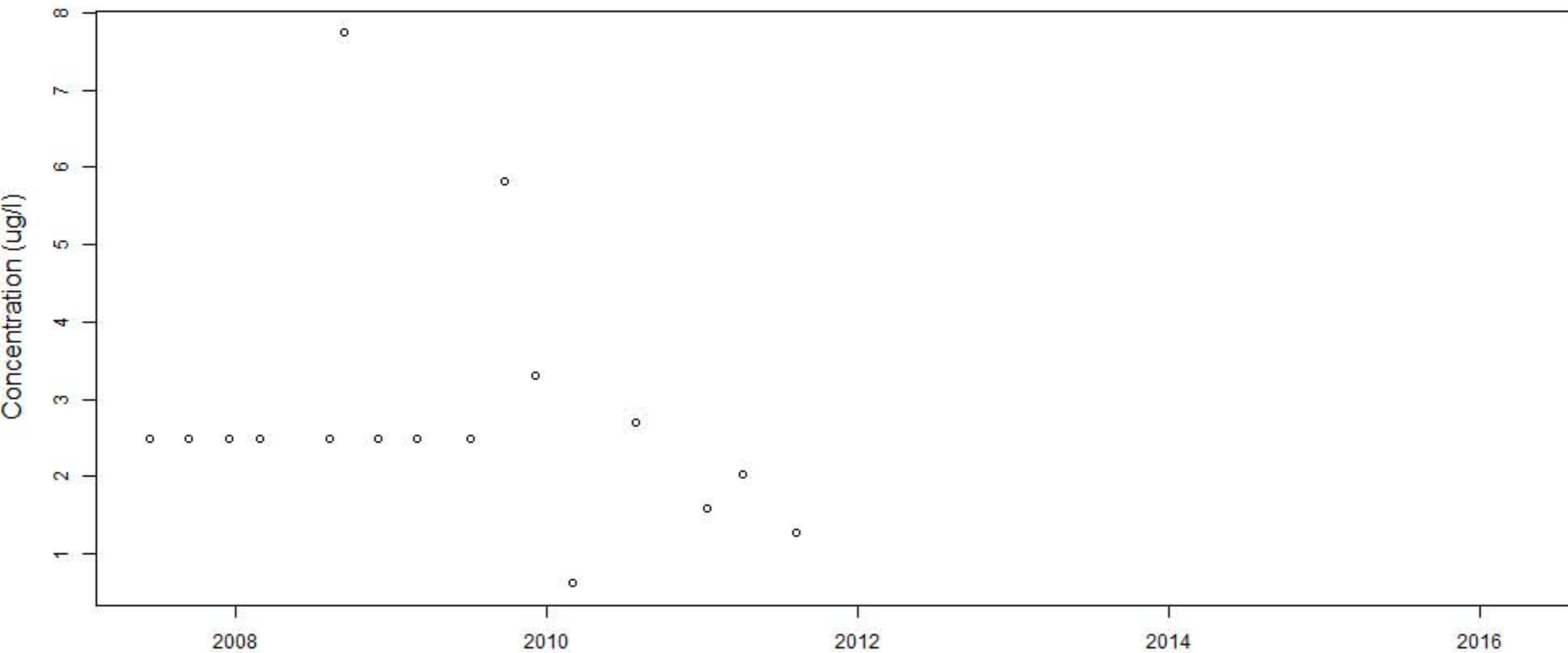
# BECY.10



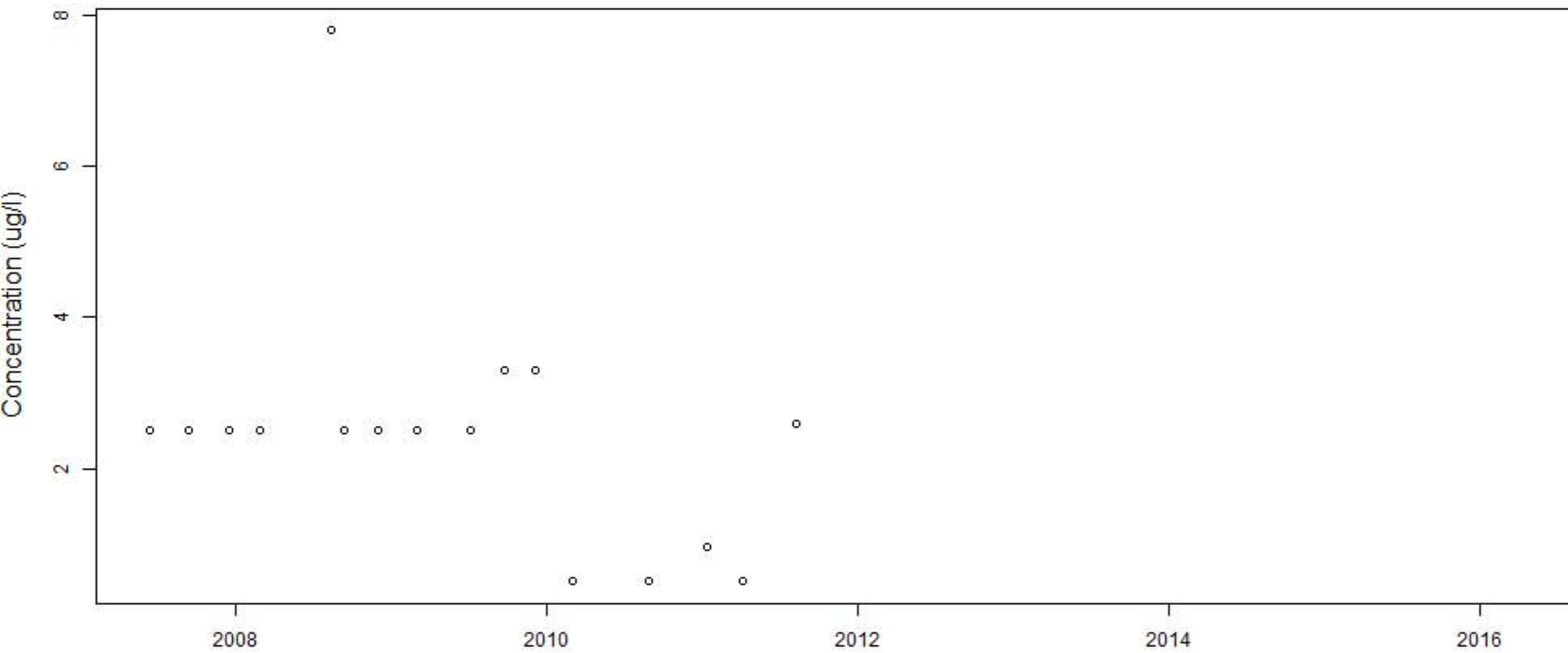
# BECY.11



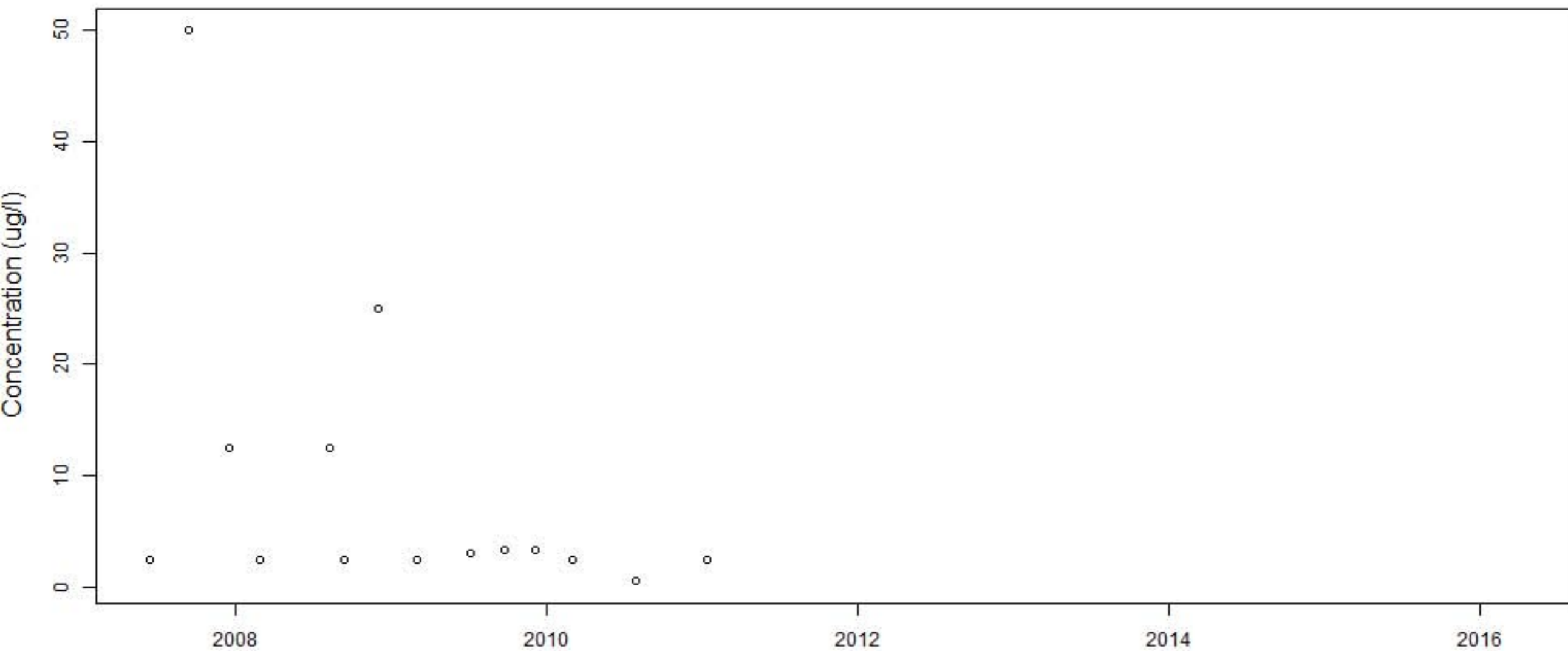
# BECY.12



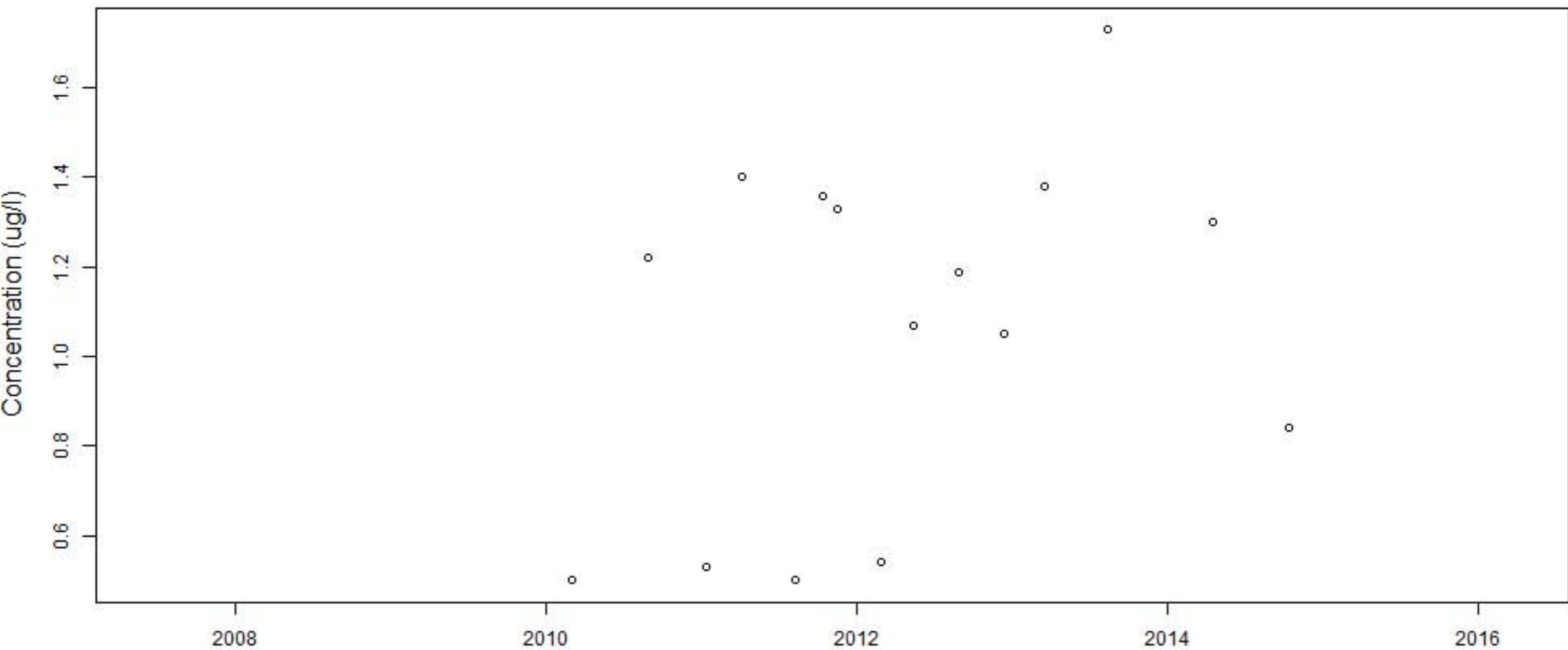
# BECY.13



# BECY.14

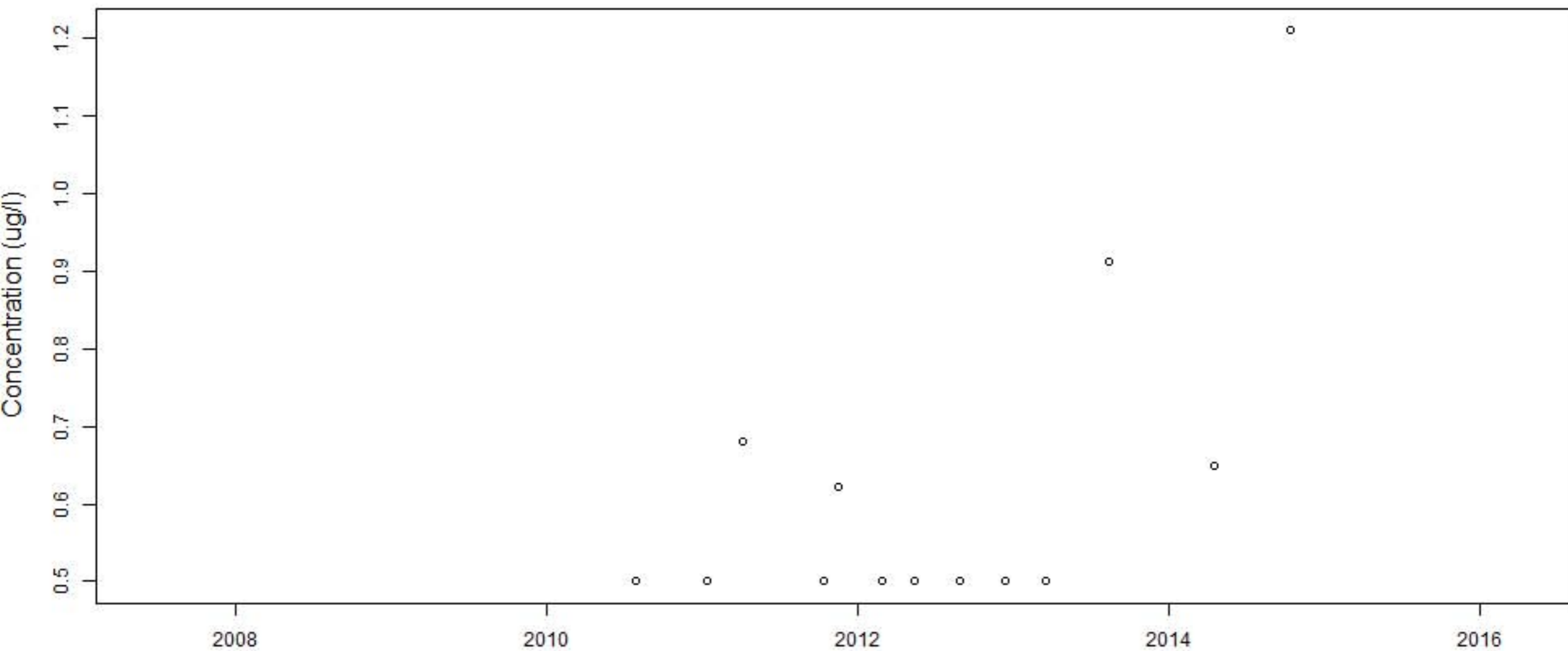


# BECY.15

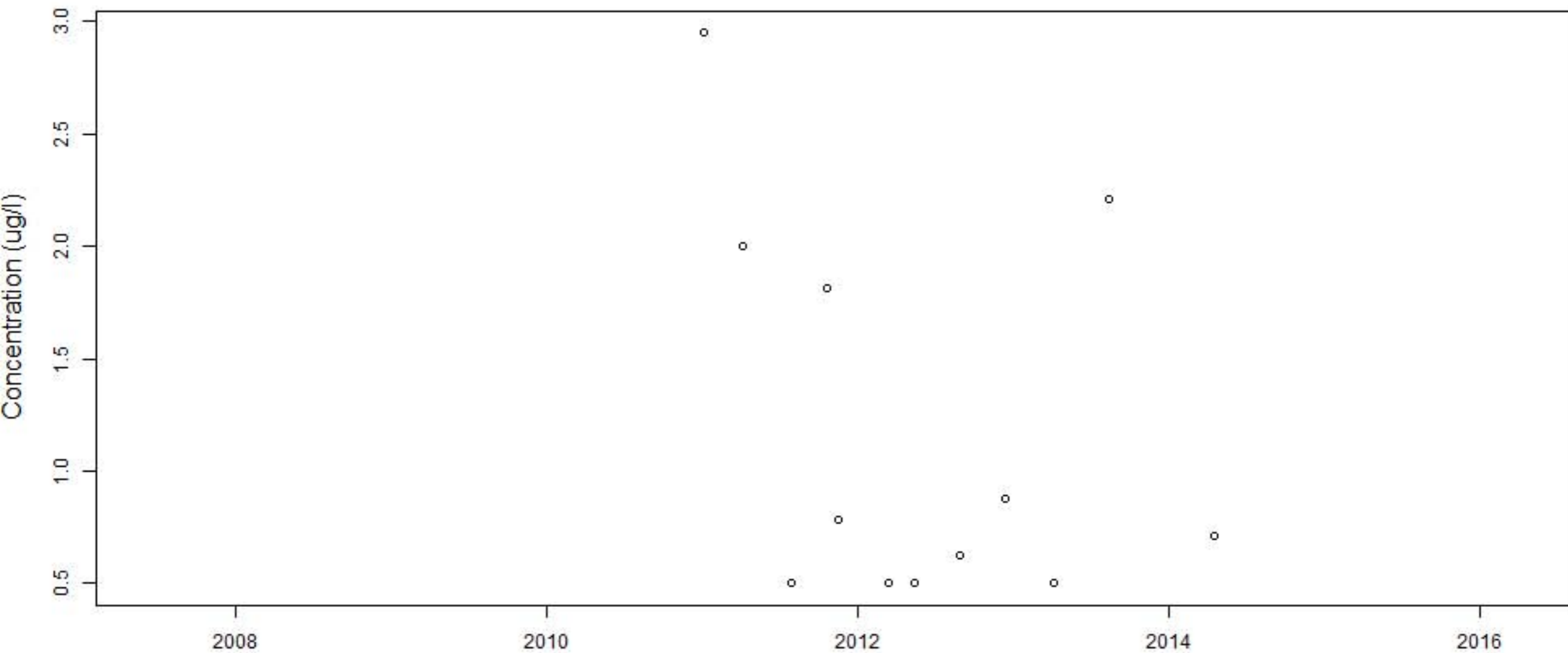




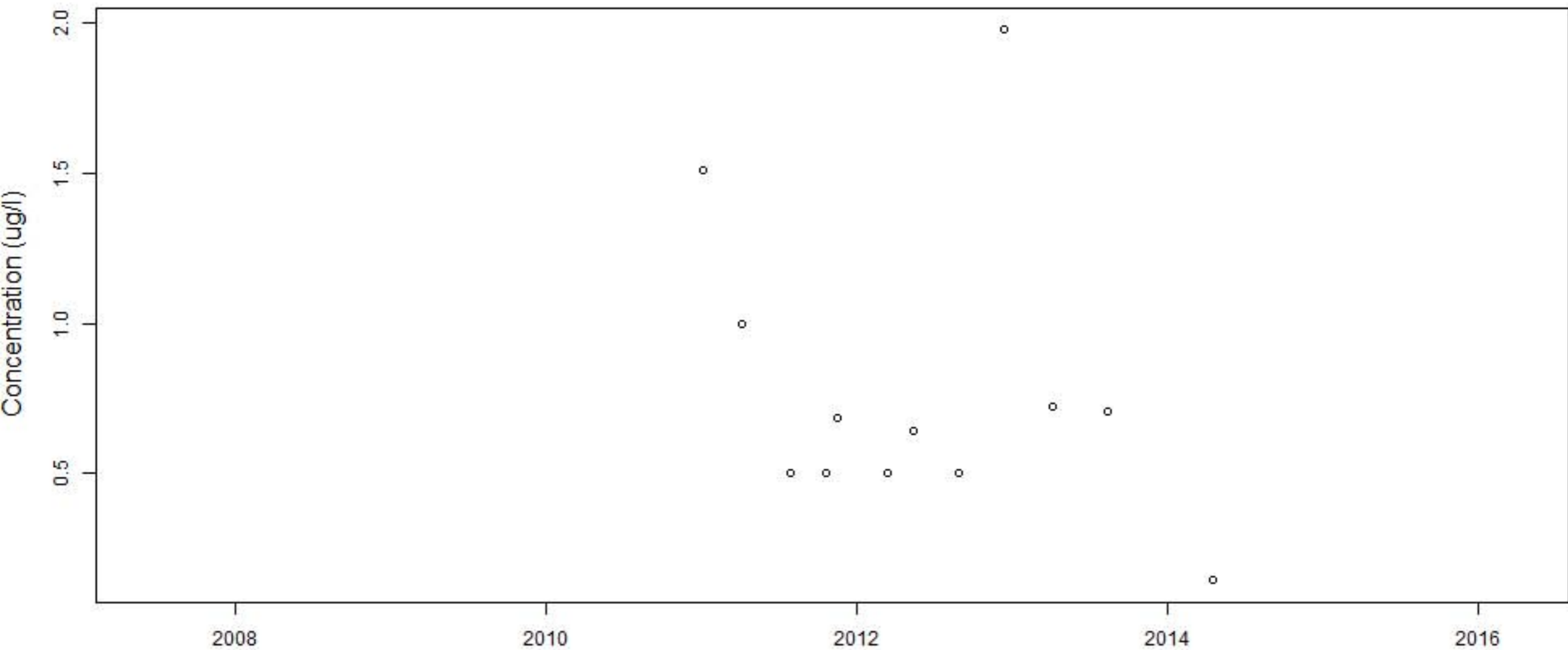
# BECY.16



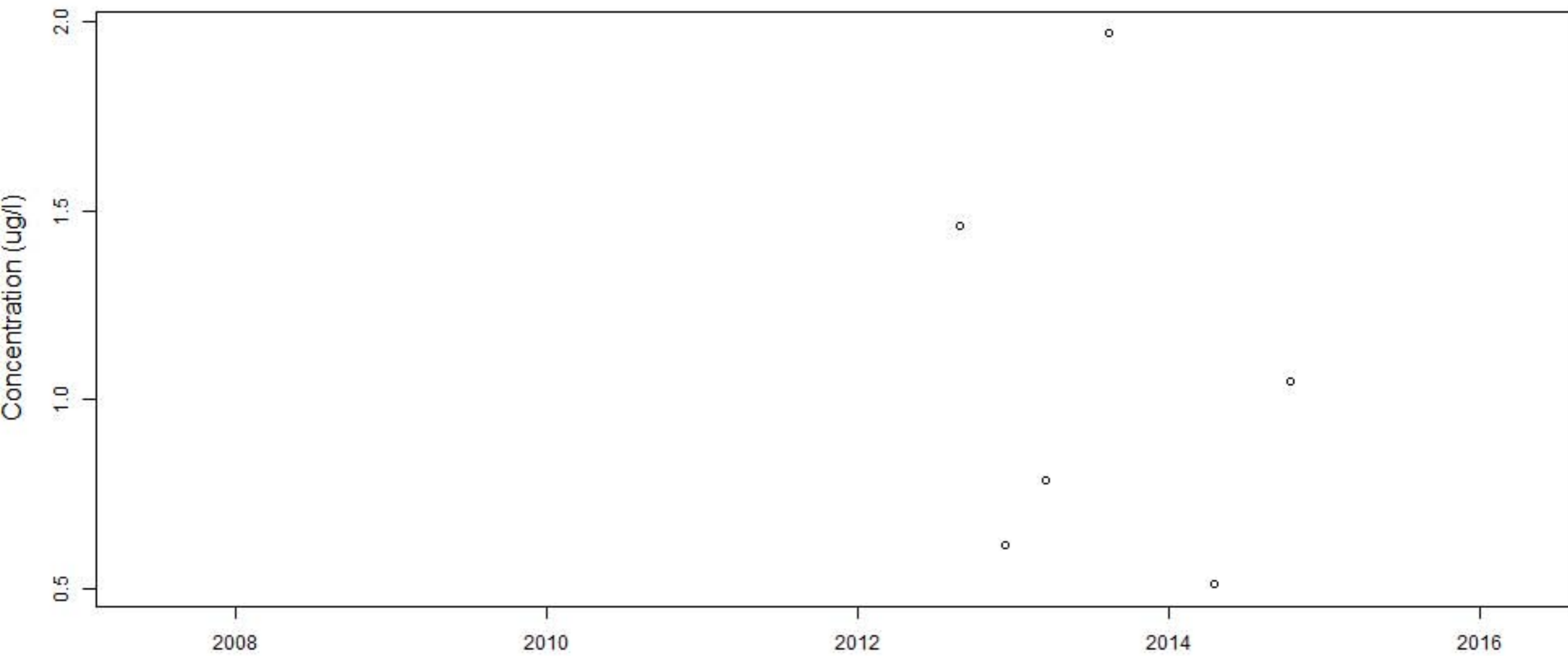
**BECY.17a.Grab**



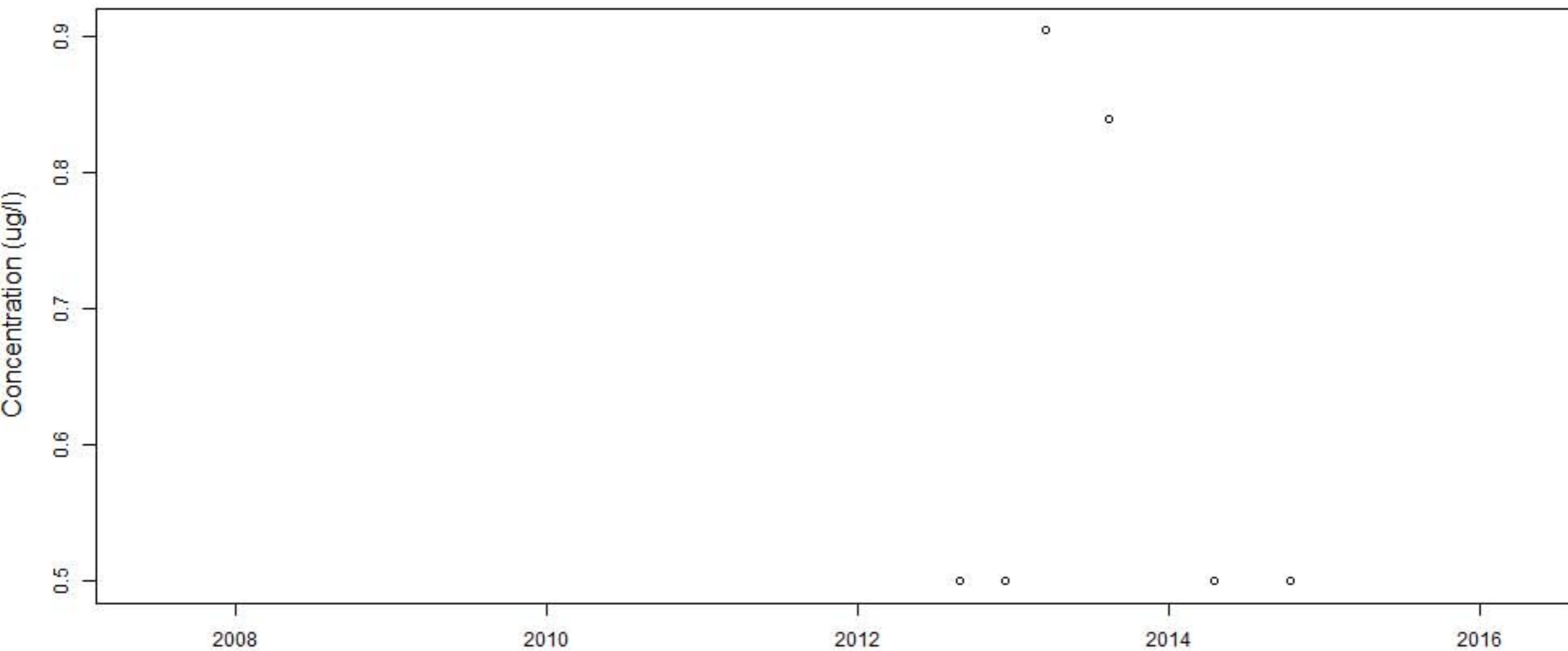
BECY.17a\_After



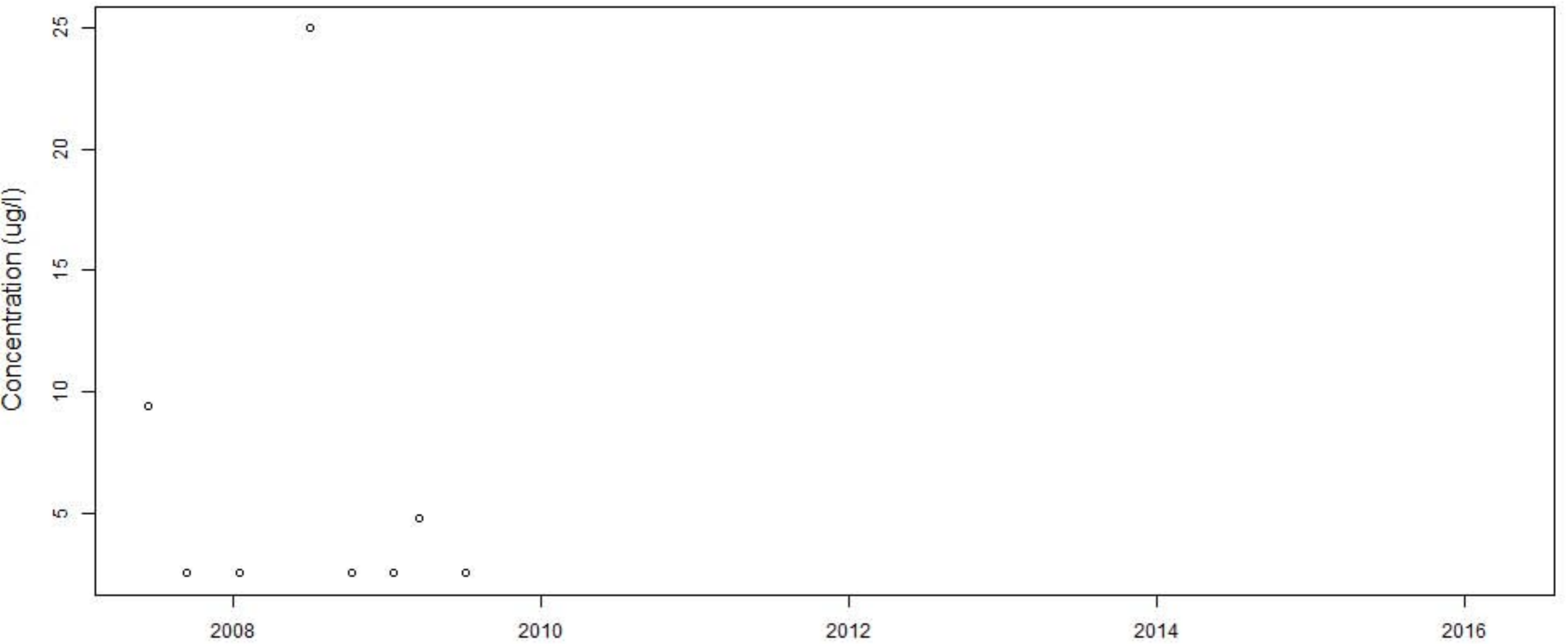
# BECY.18



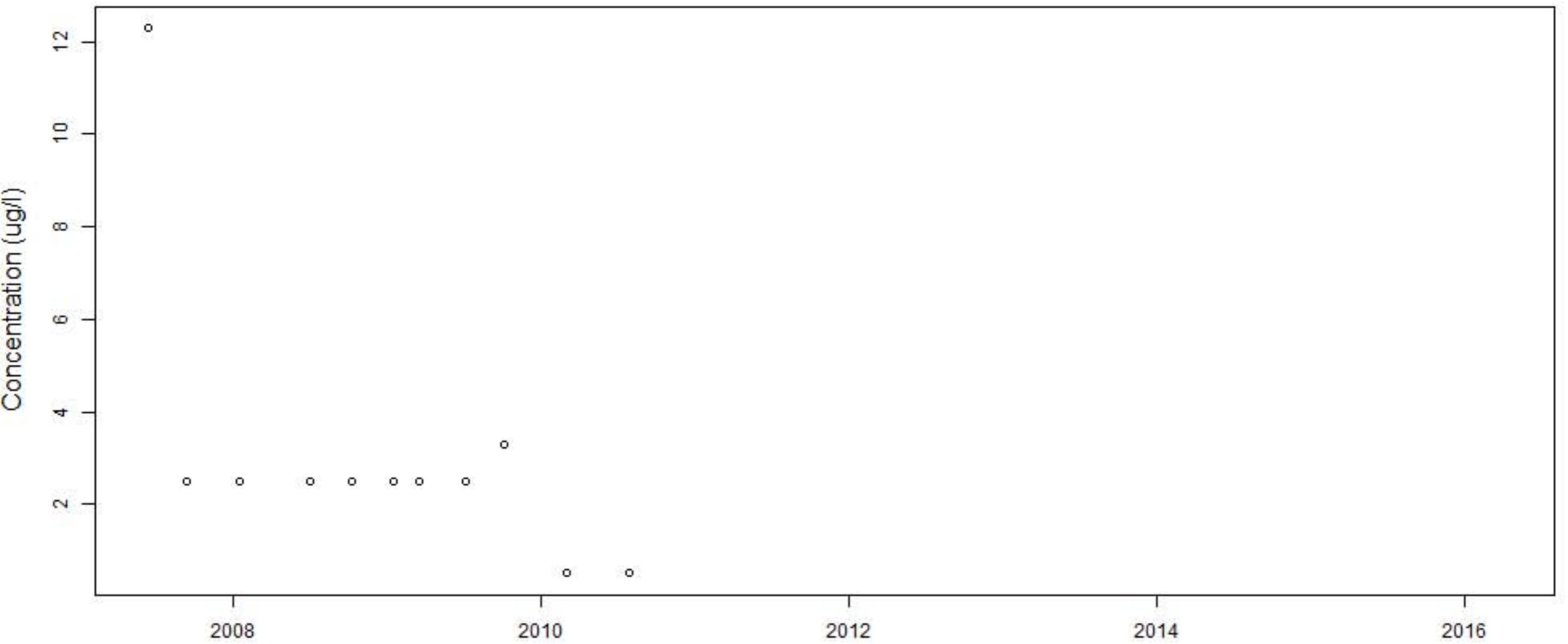
# BECY.19



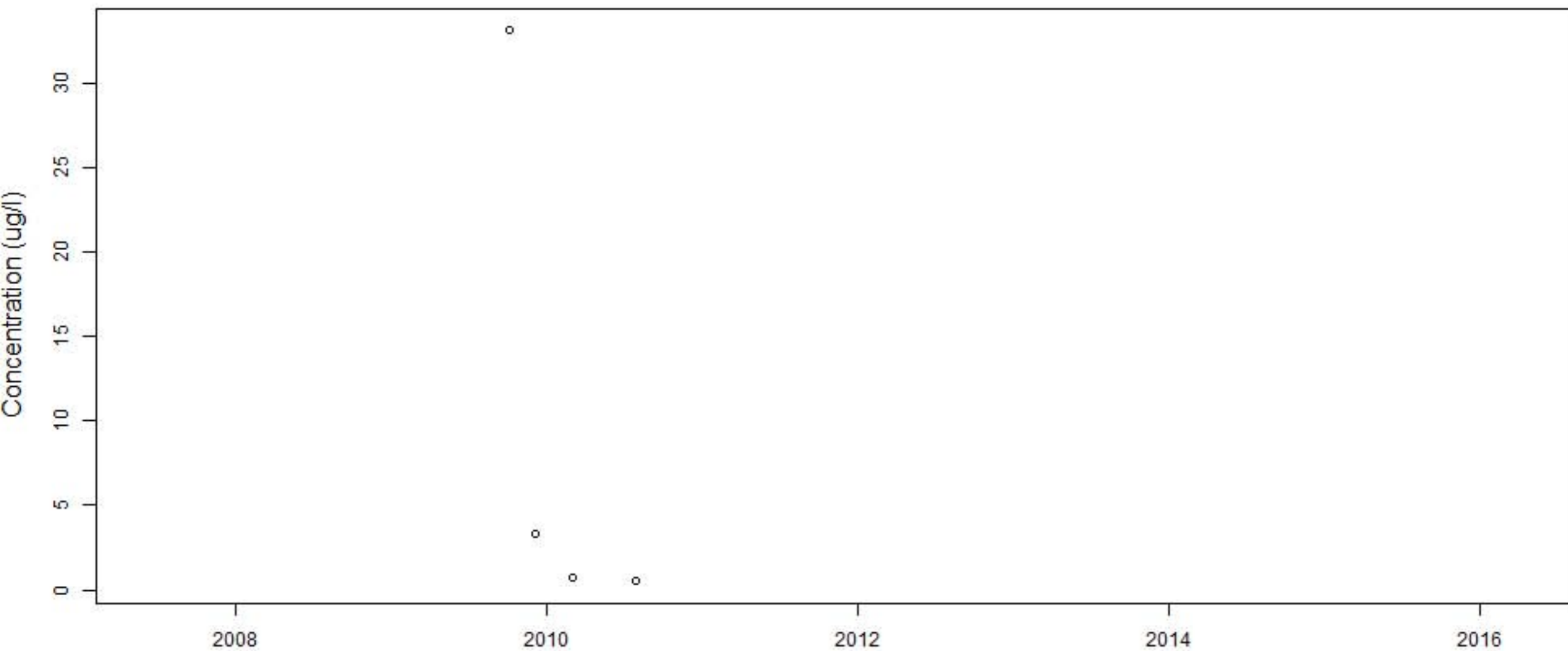
# BECY.1a\_Comp



# BECY.1a\_Grab

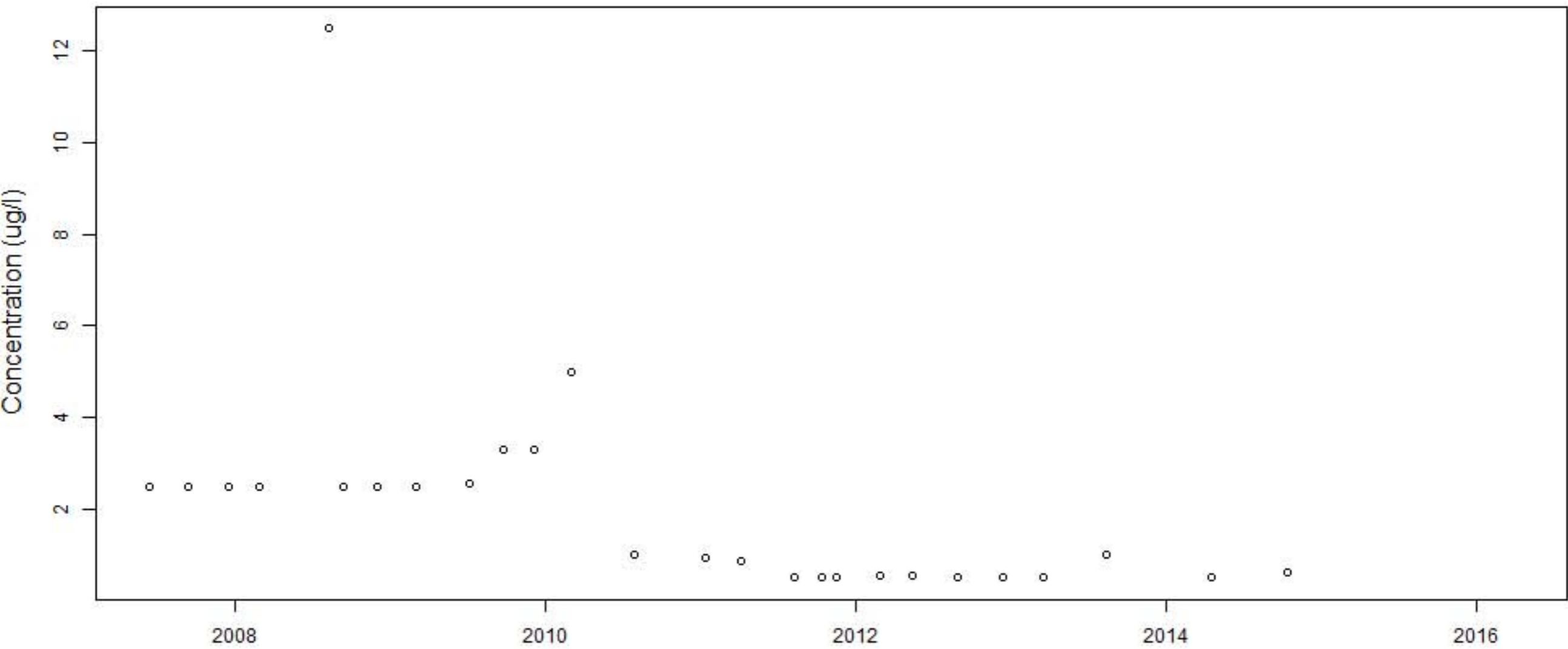


BECY.1a\_Grab\_After

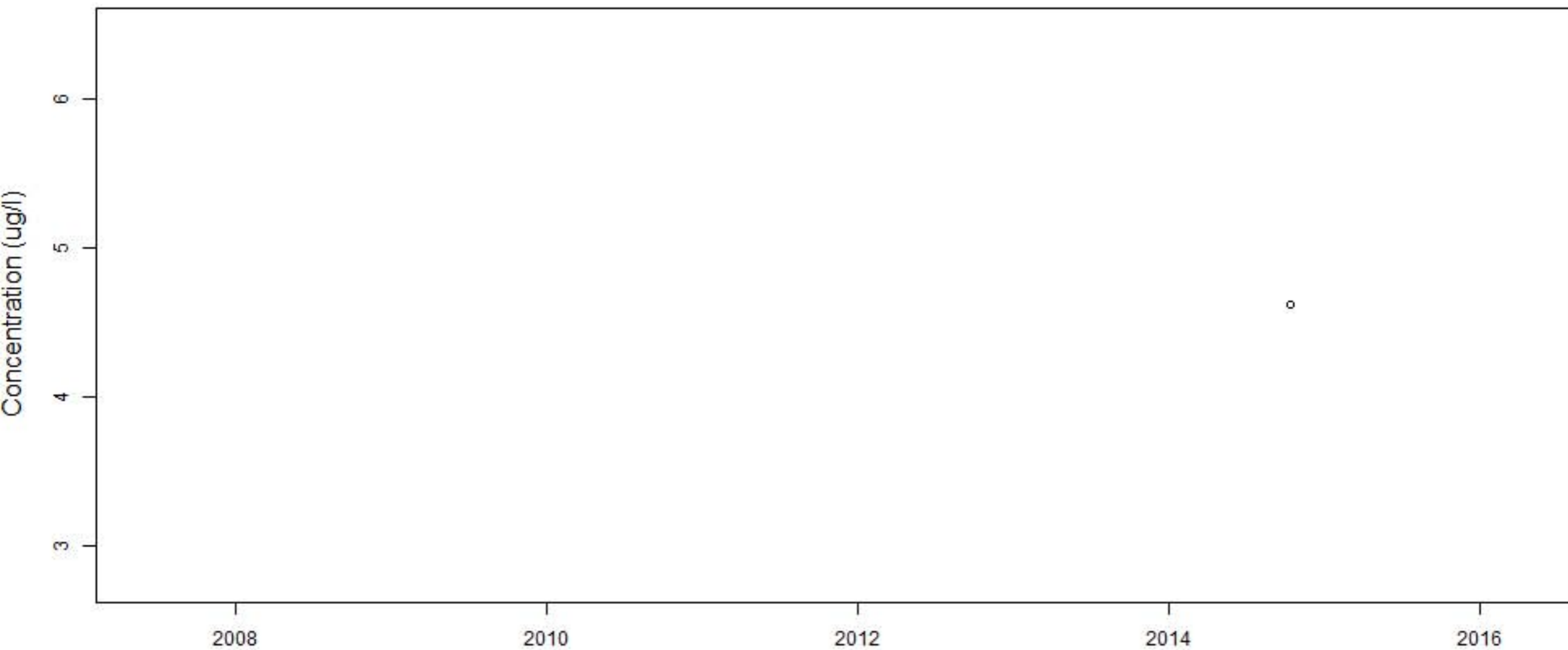




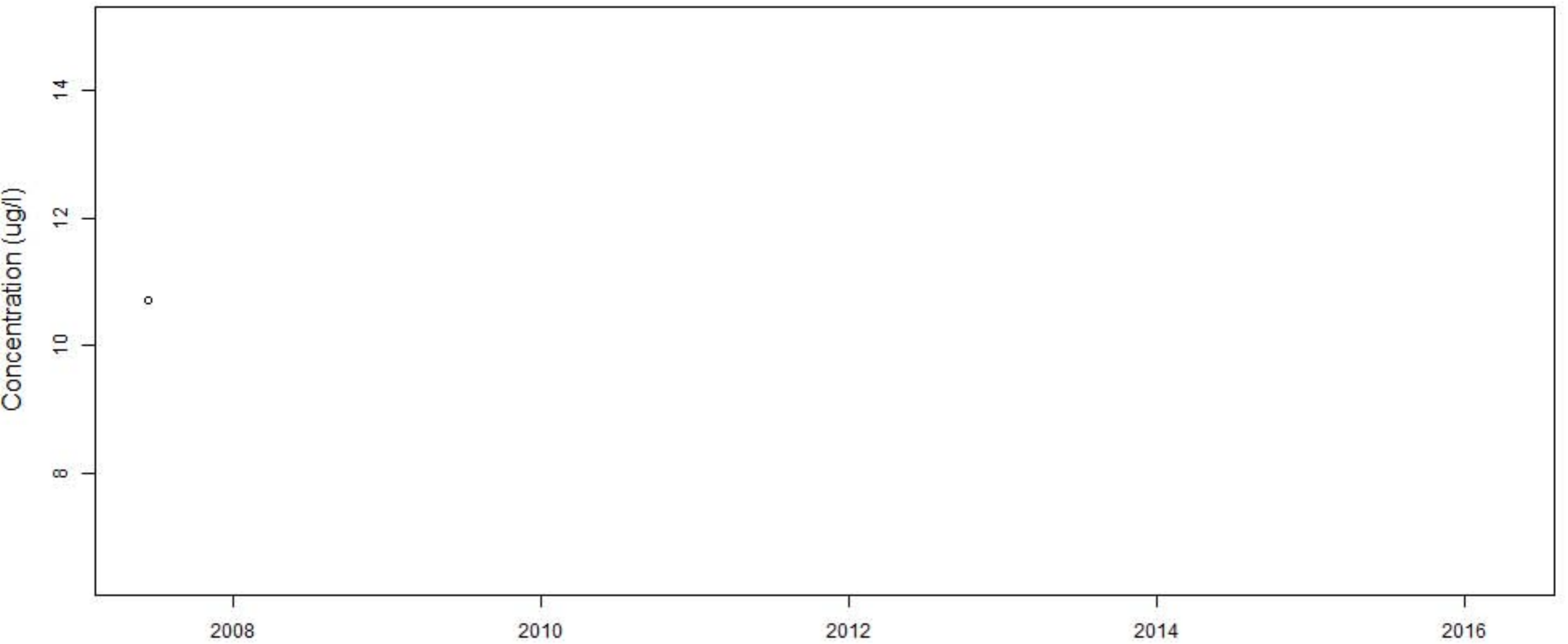
# BECY.2



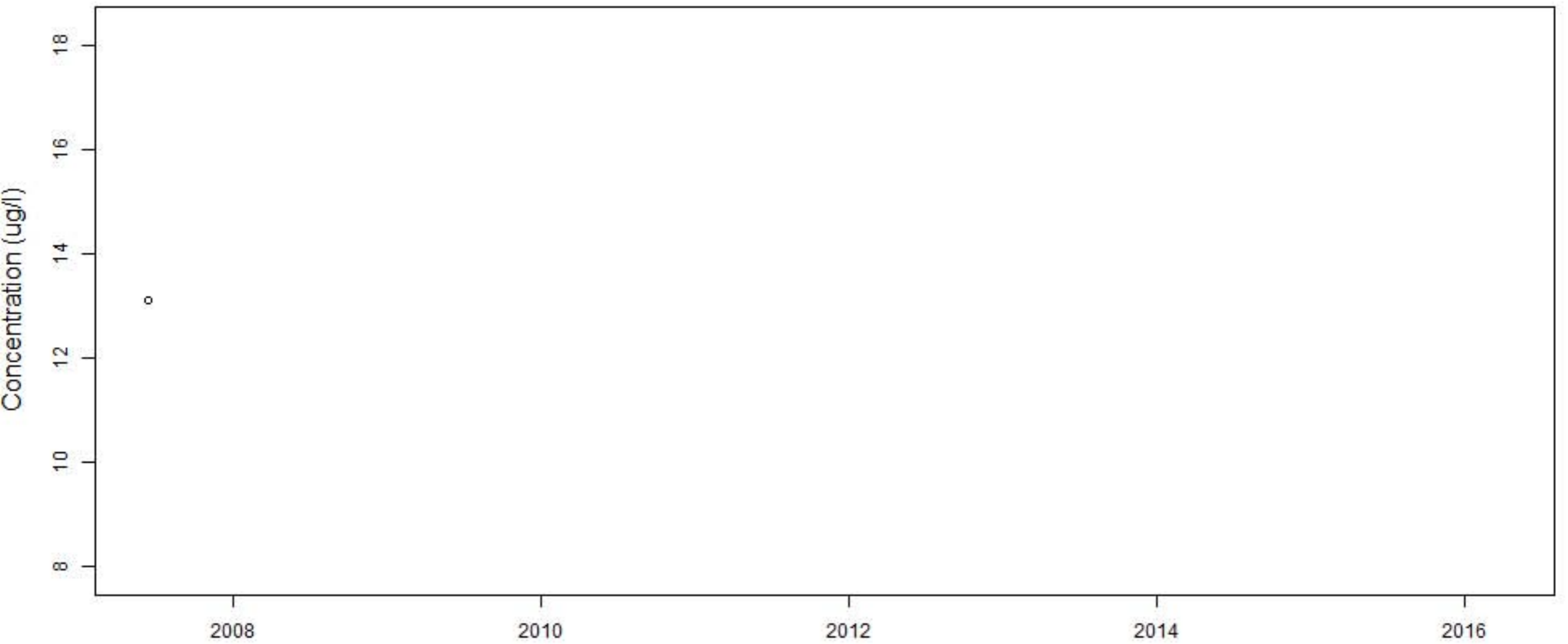
# BECY.20



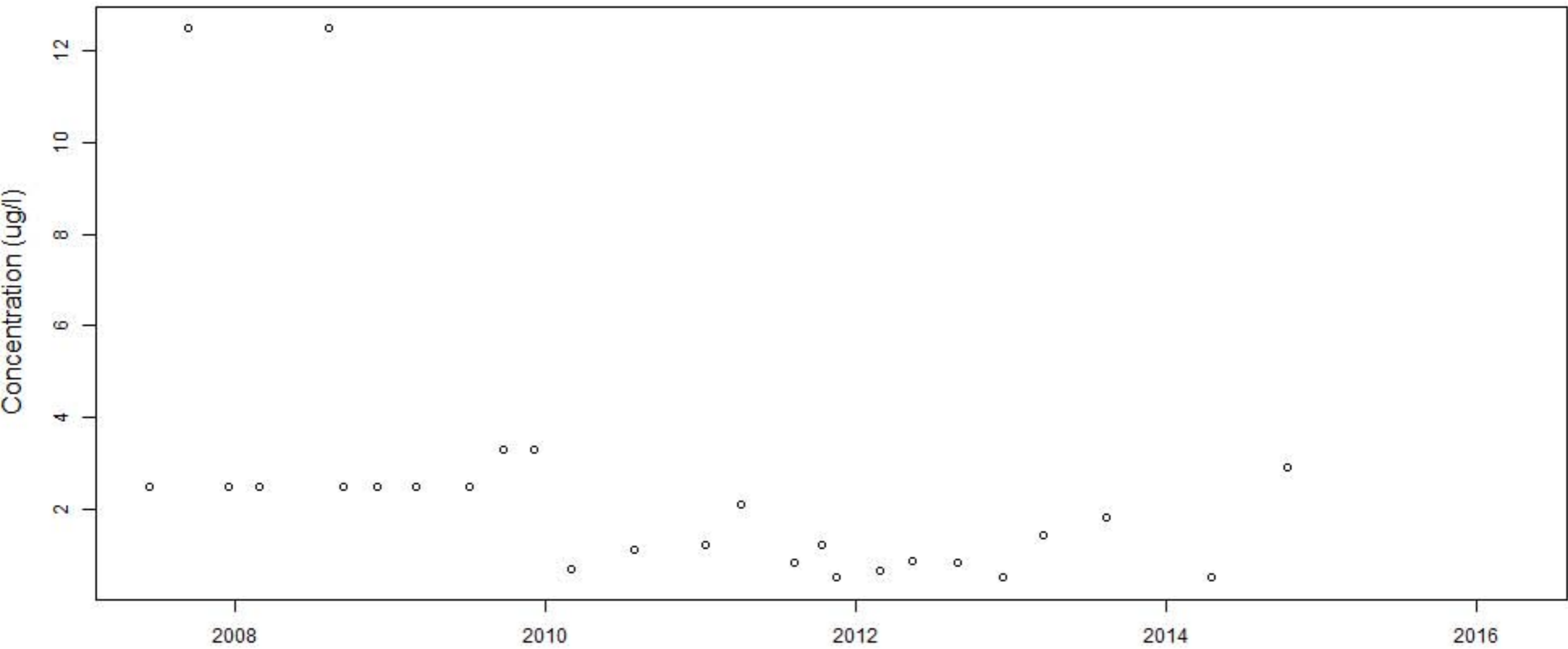
# BECY.2a\_Comp



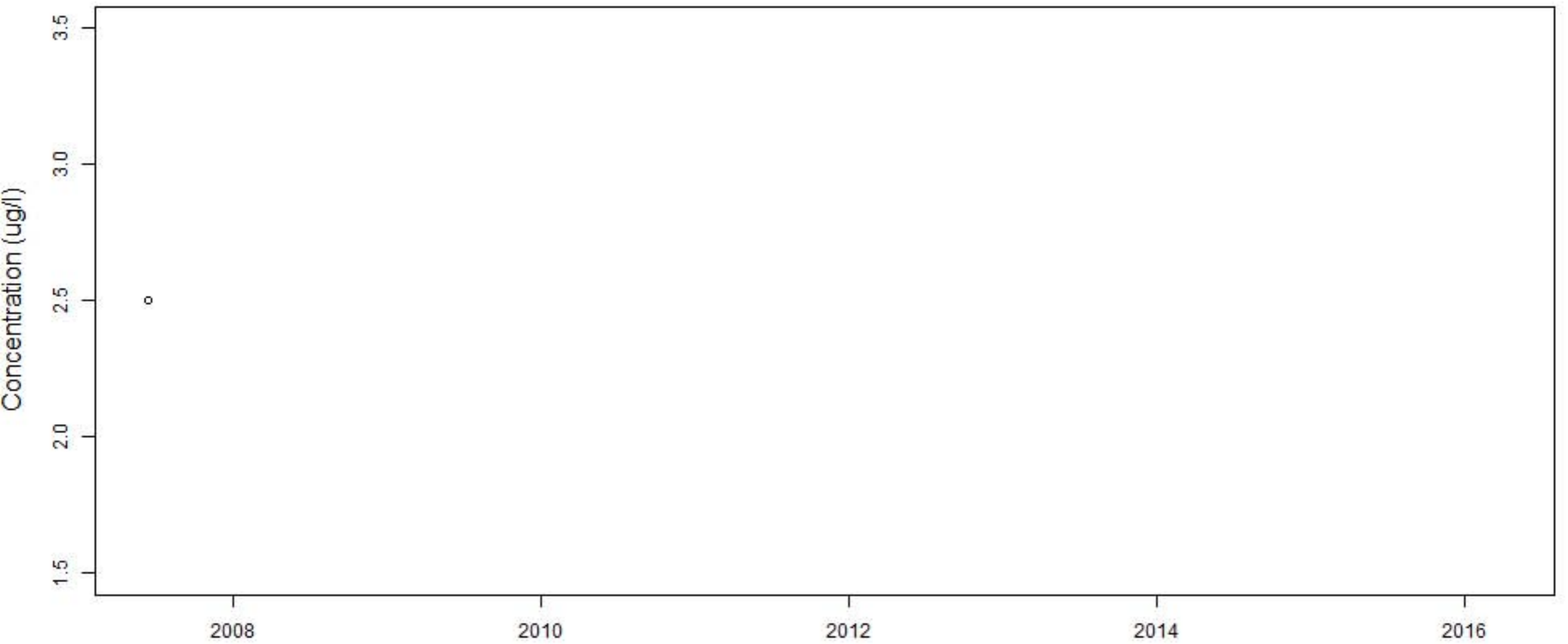
# BECY.2a\_Grab



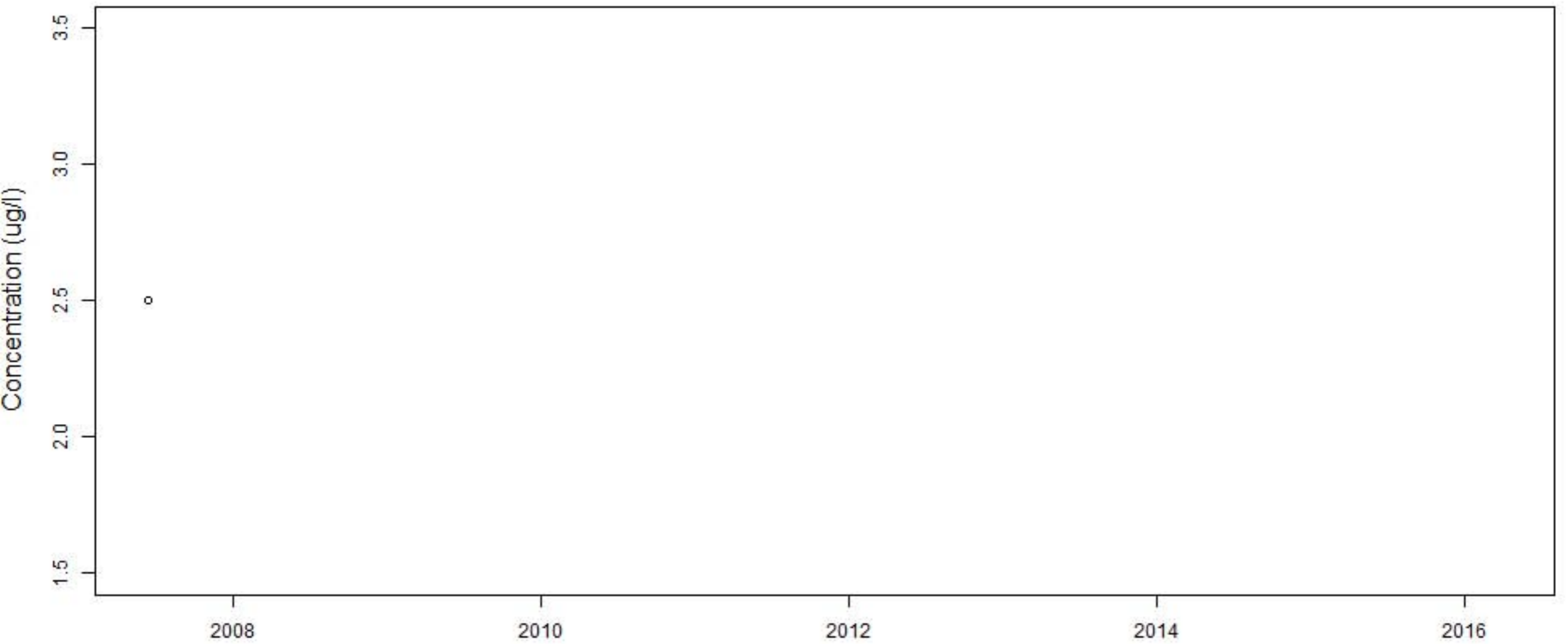
# BECY.3



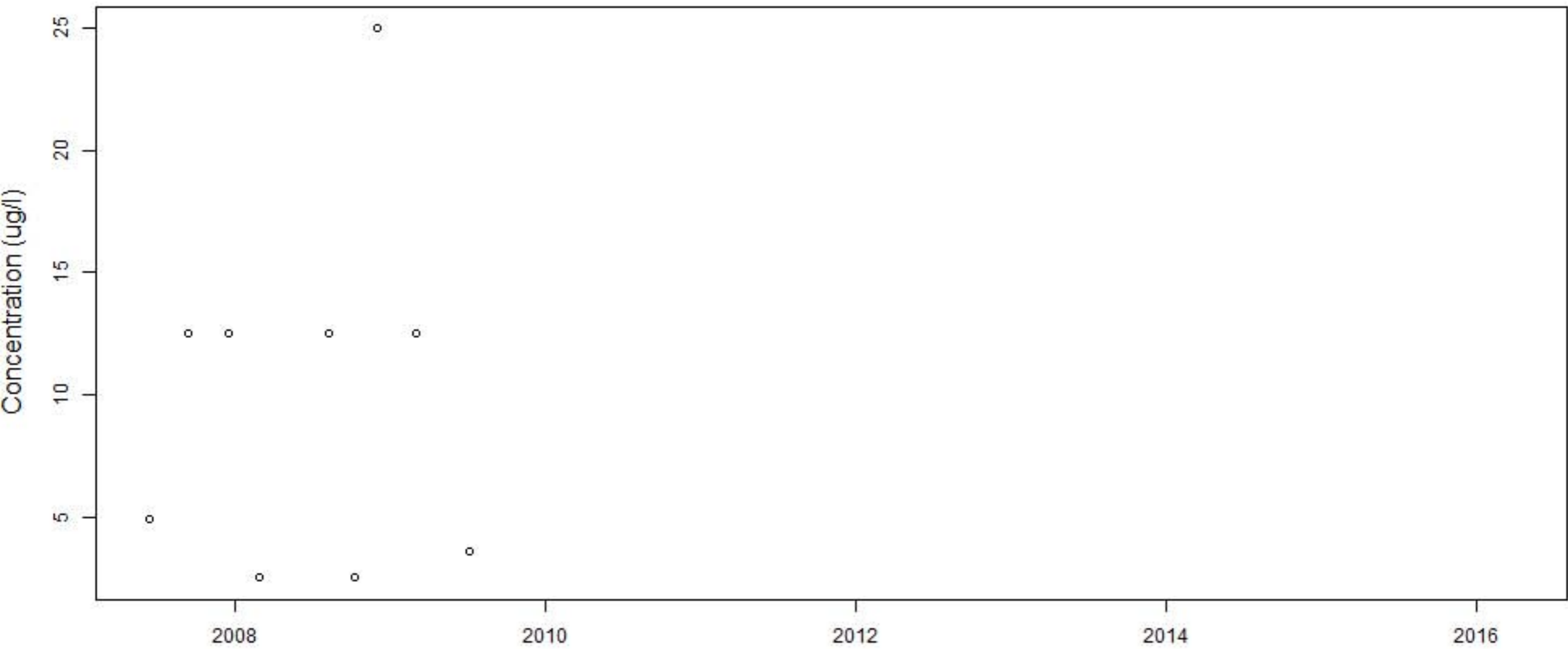
# BECY.3a\_Comp



# BECY.3a\_Grab

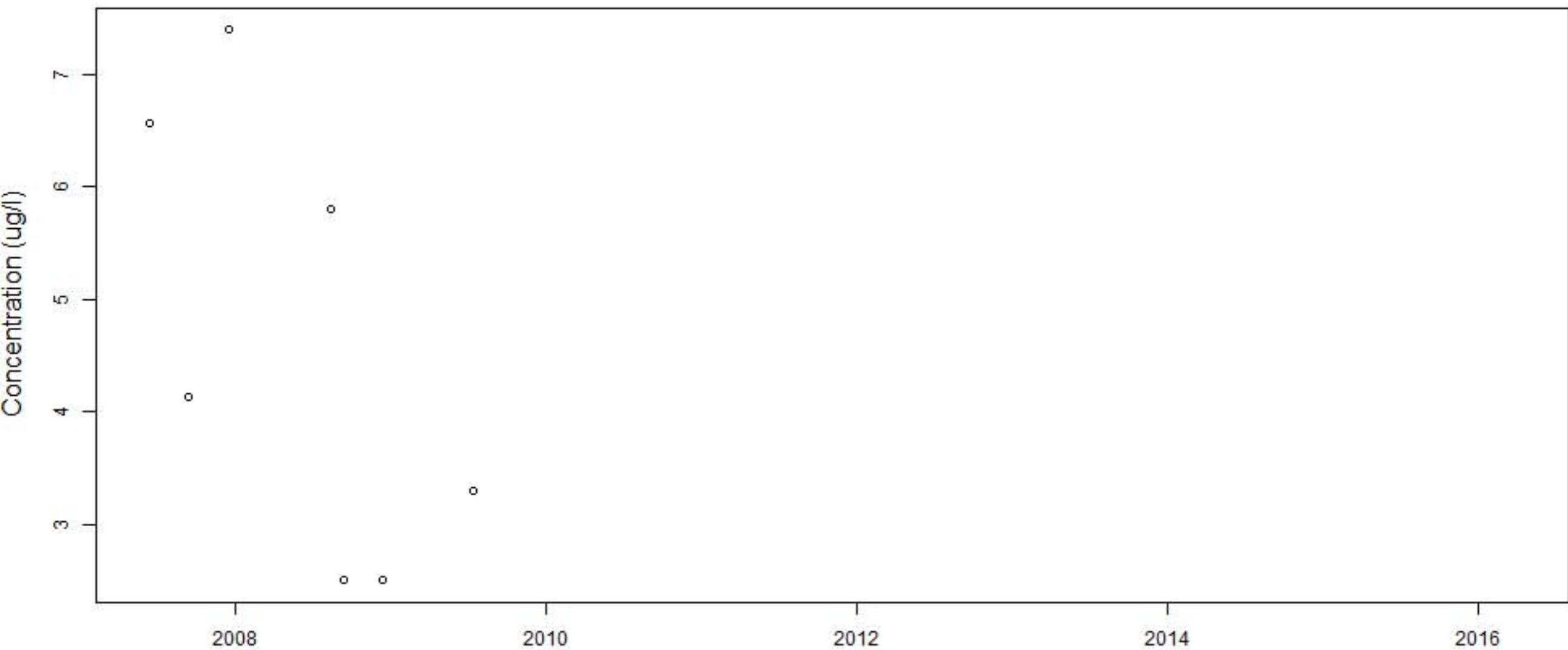


# BECY.4

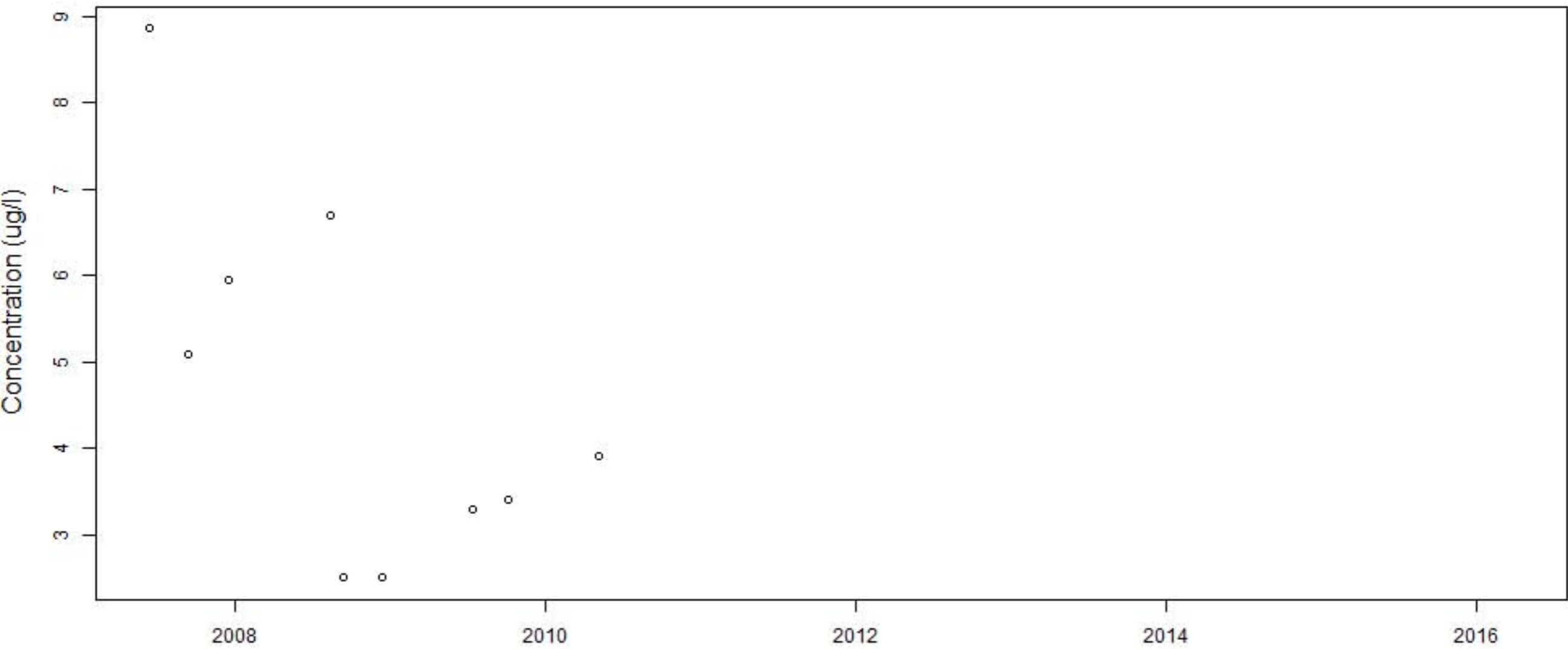




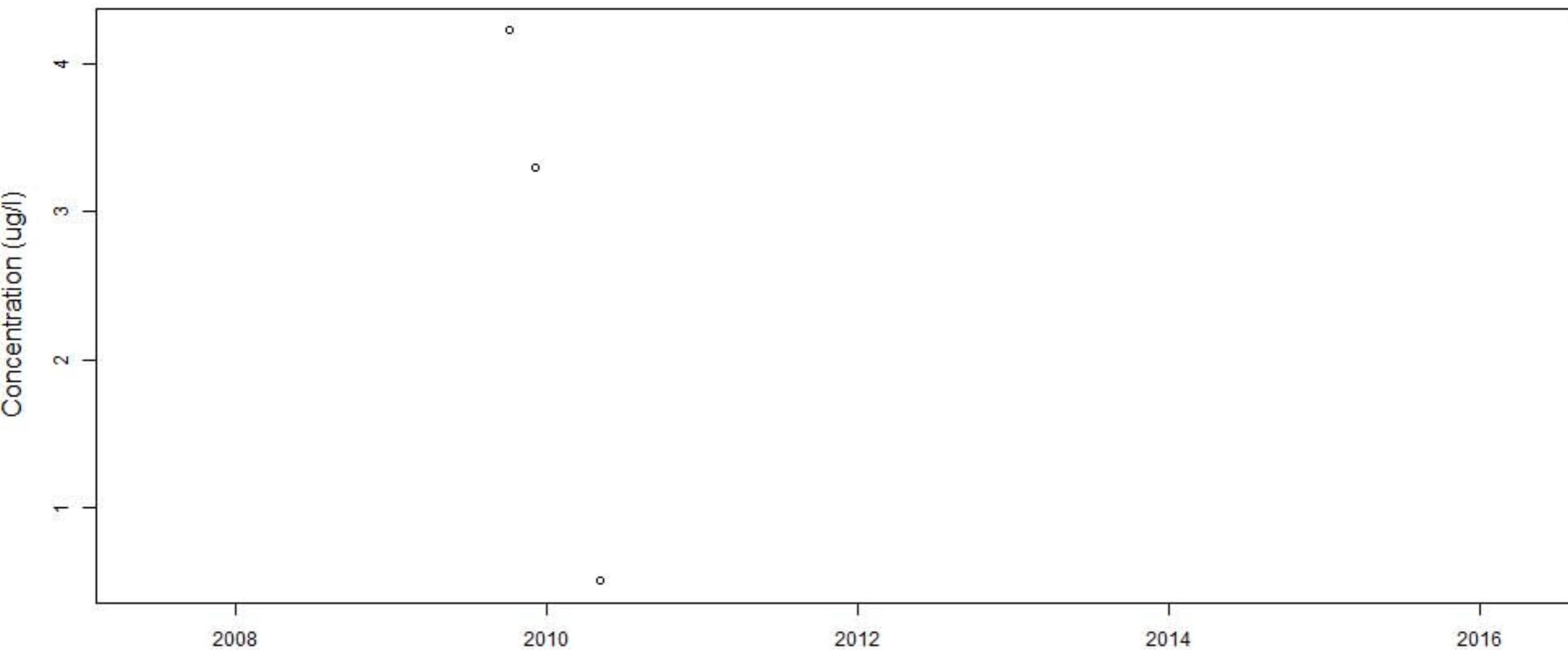
# BECY.4a\_Comp



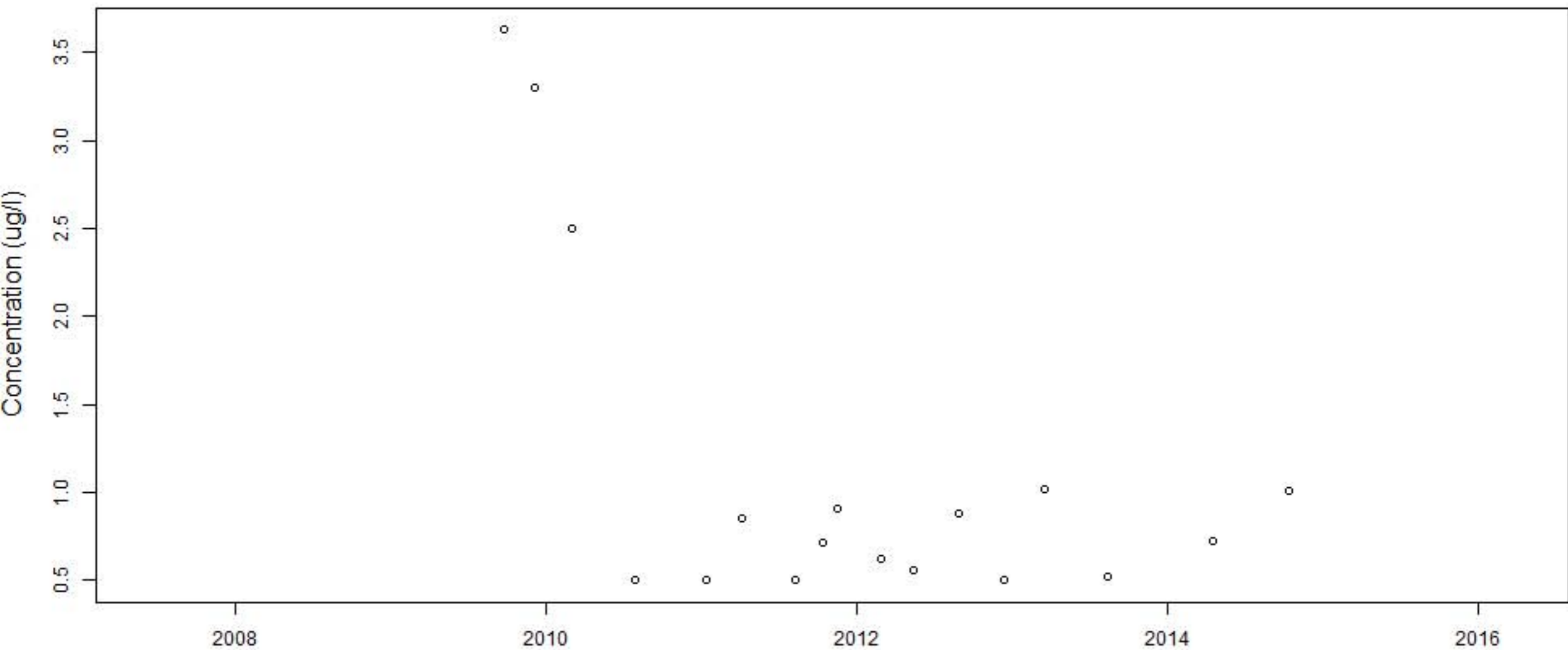
# BECY.4a\_Grab



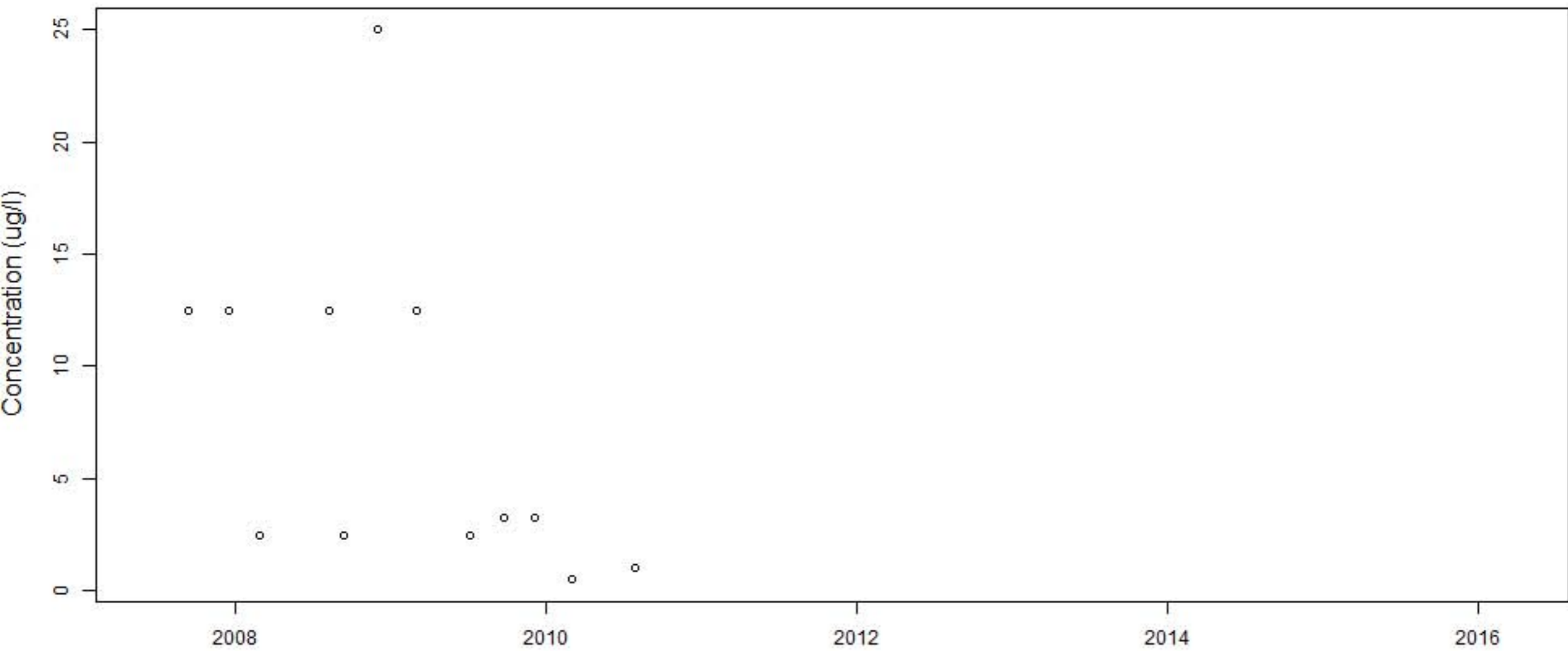
BECY.4a\_Grab\_after



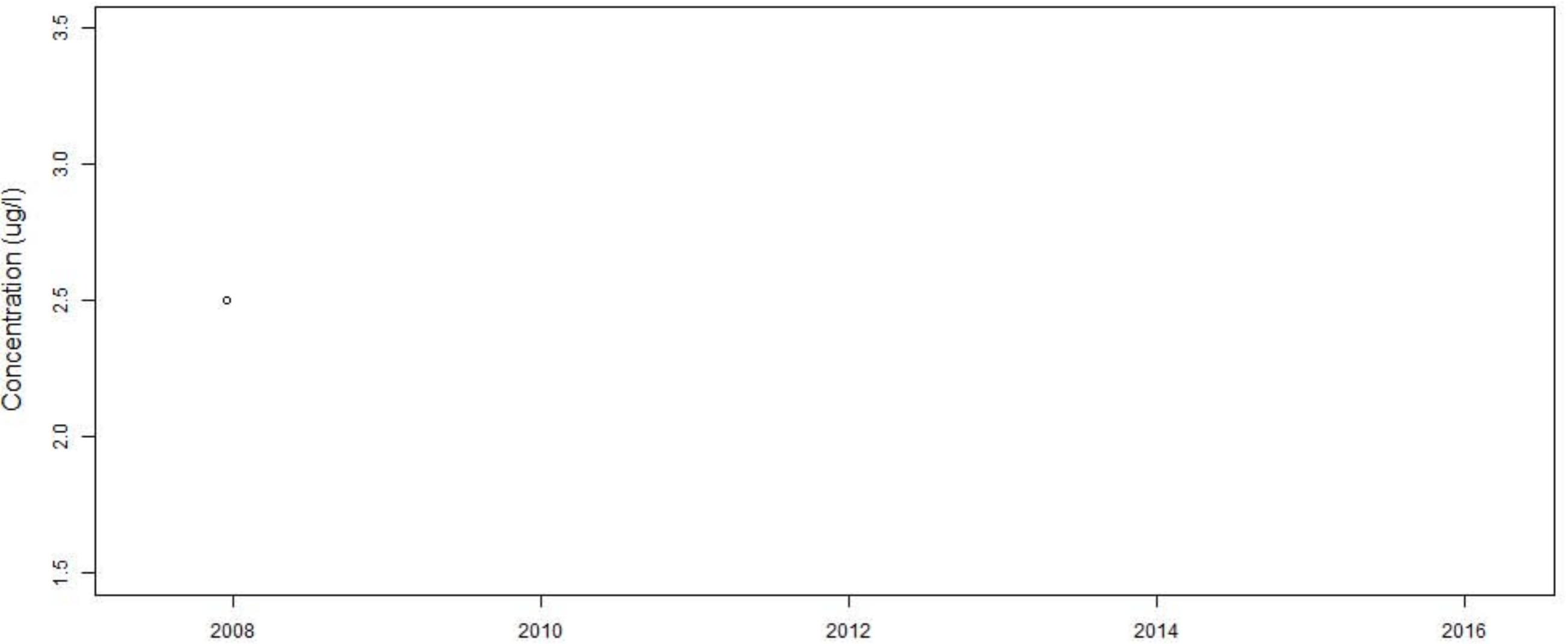
# BECY.4r



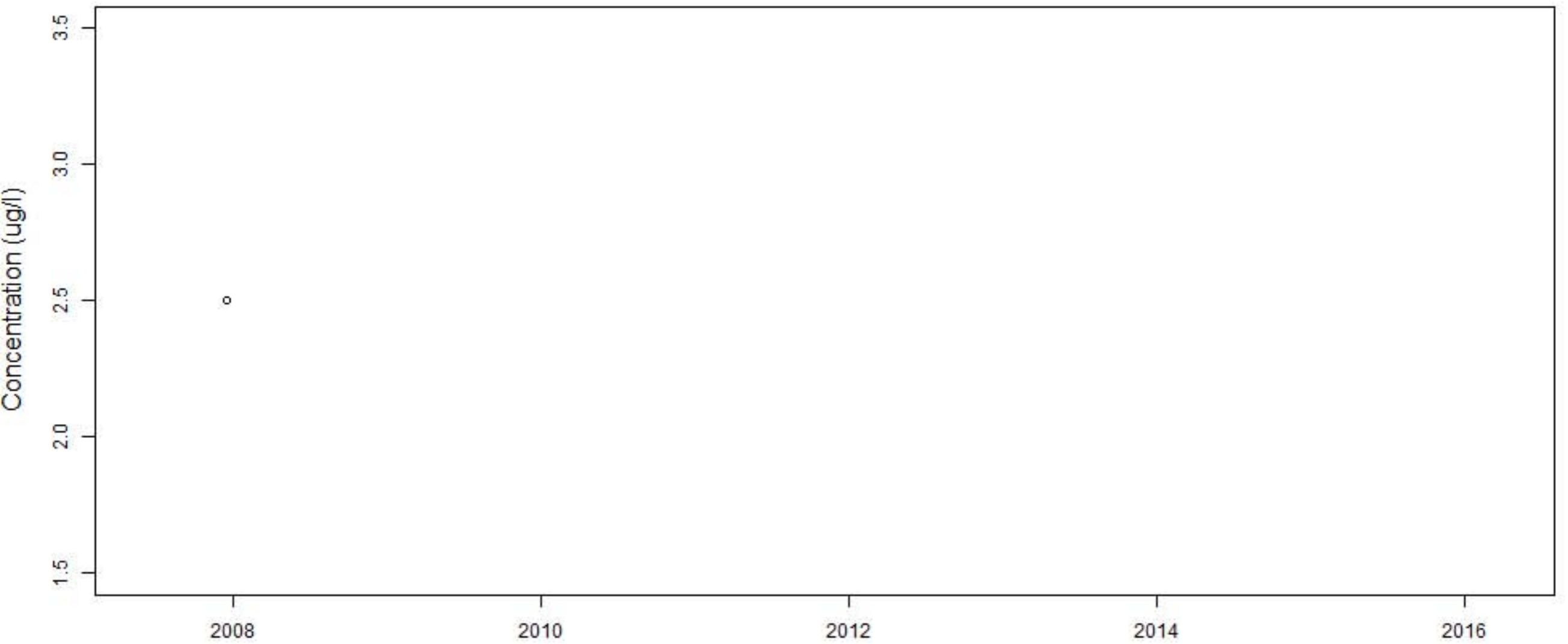
# BECY.5



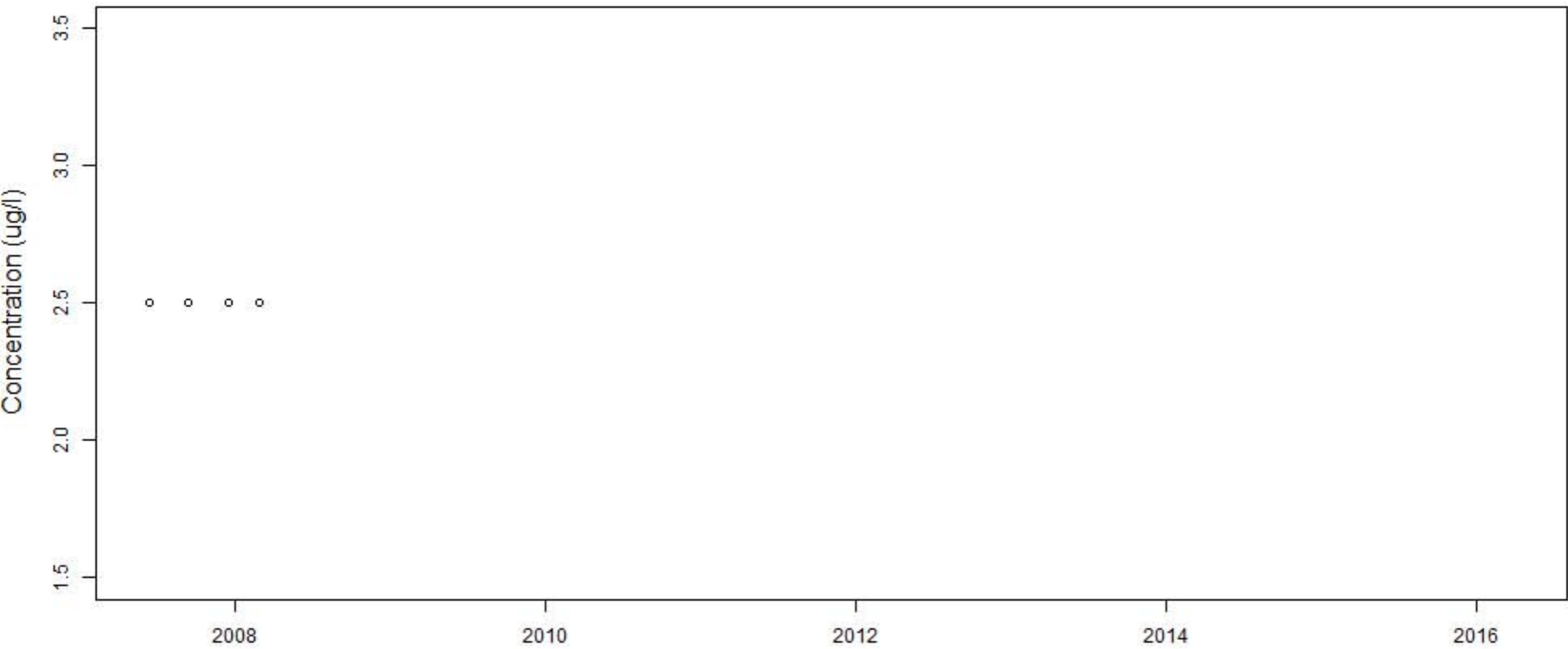
# BECY.5A\_Comp



# BECY.5A\_Grab

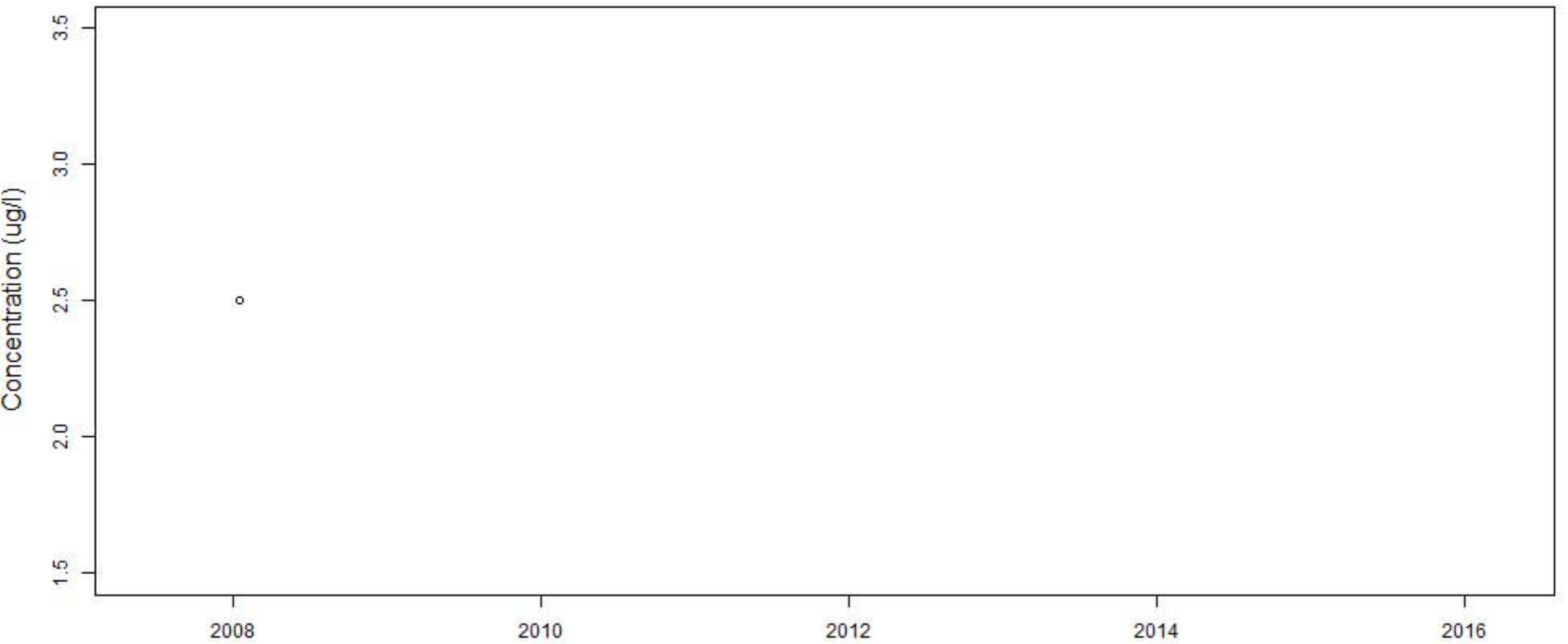


# BECY.6

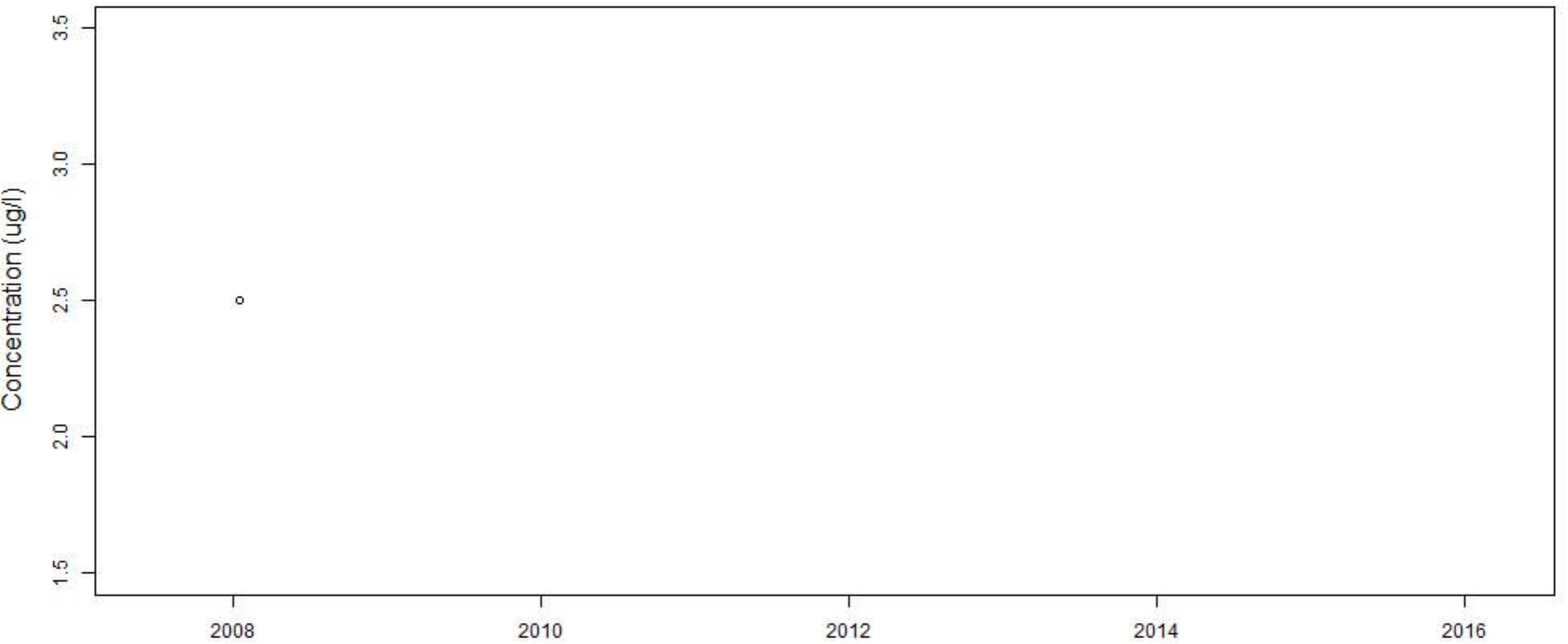




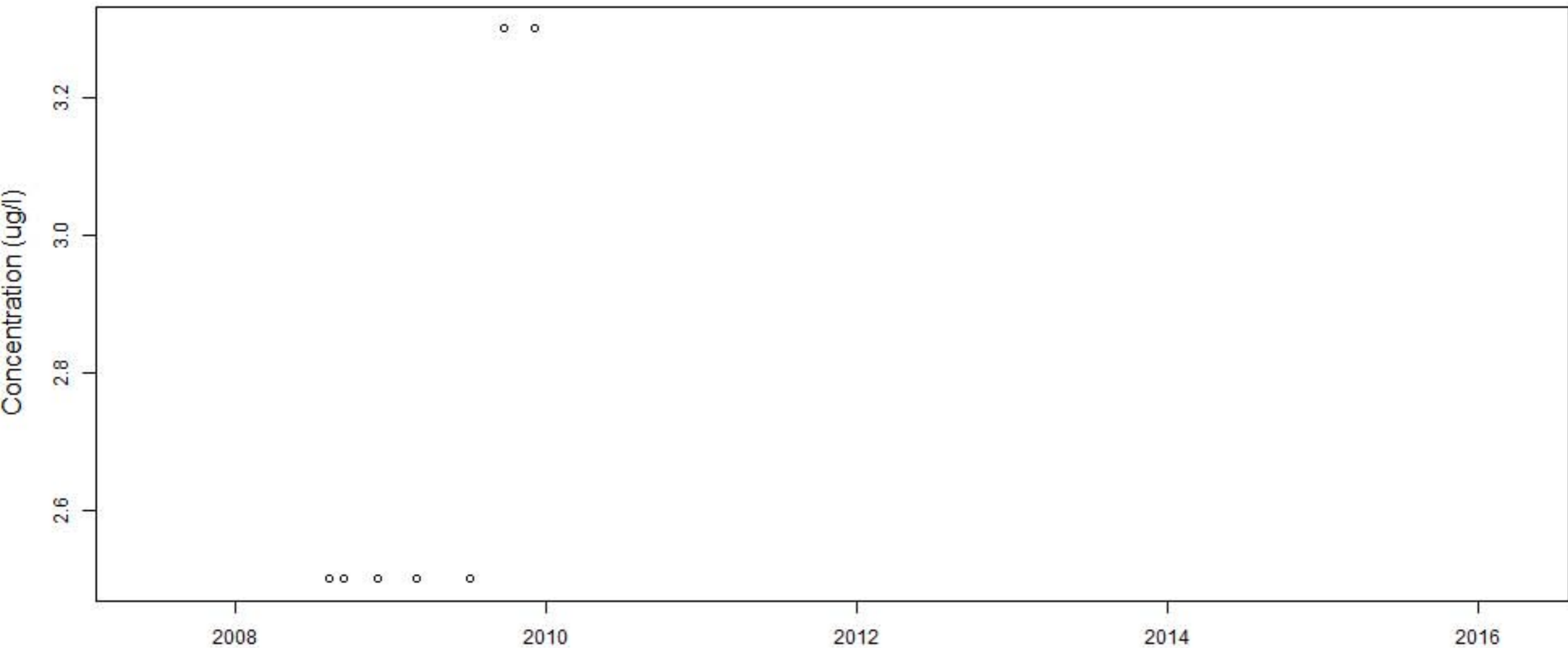
# BECY.6A\_Comp



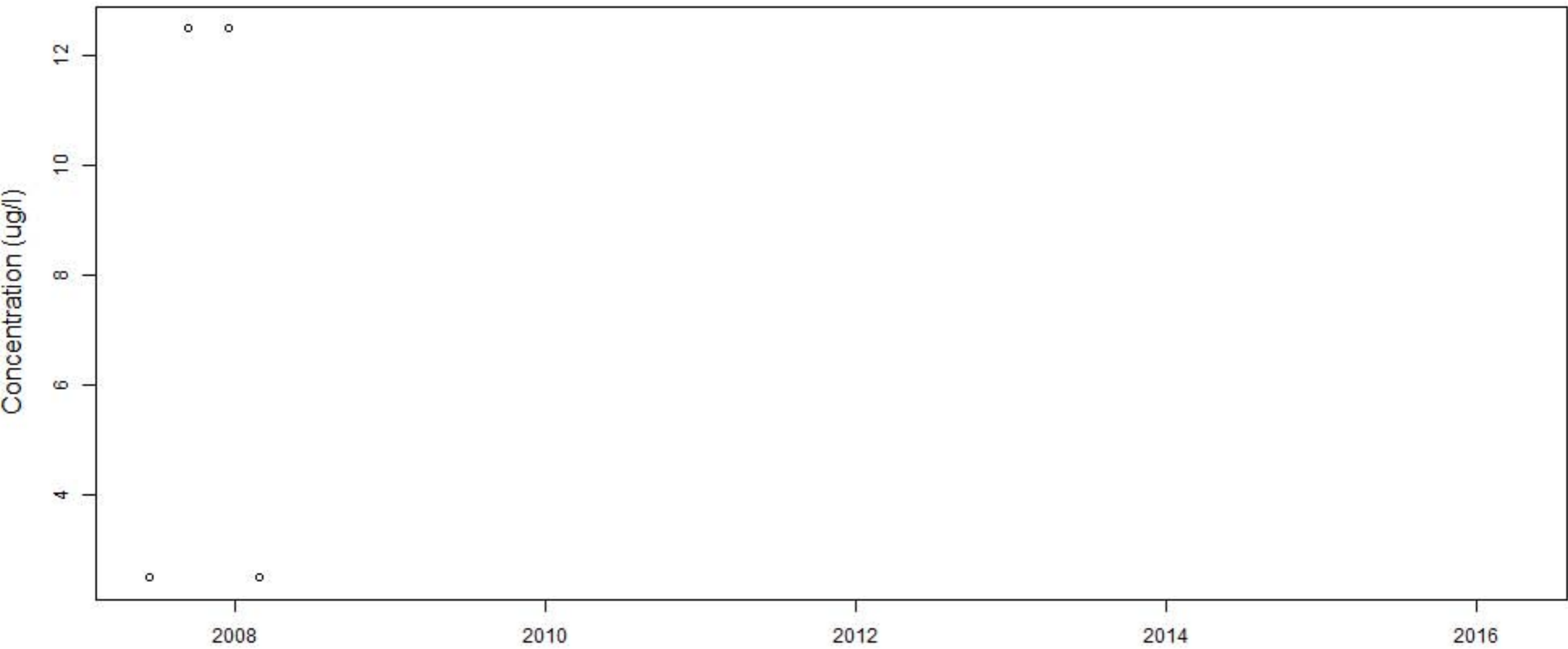
# BECY.6A\_Grab



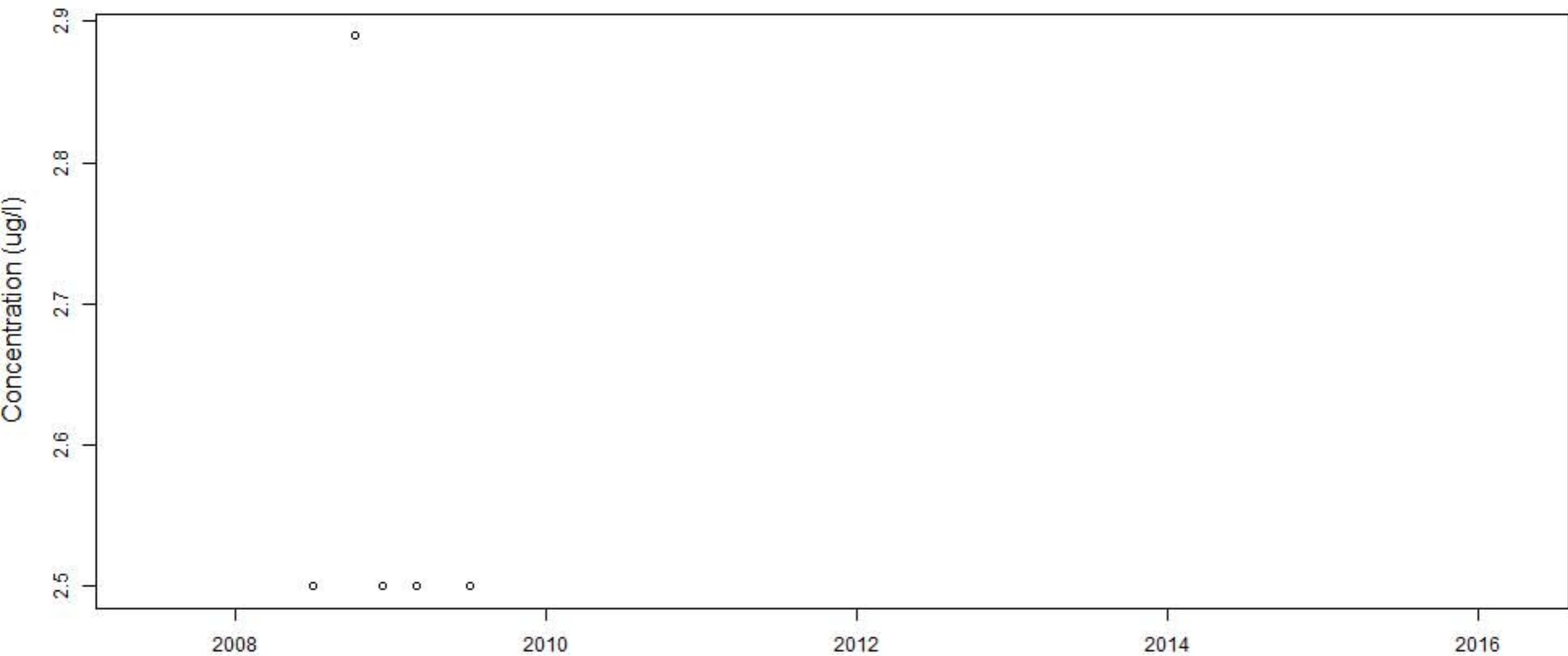
BECY.6r



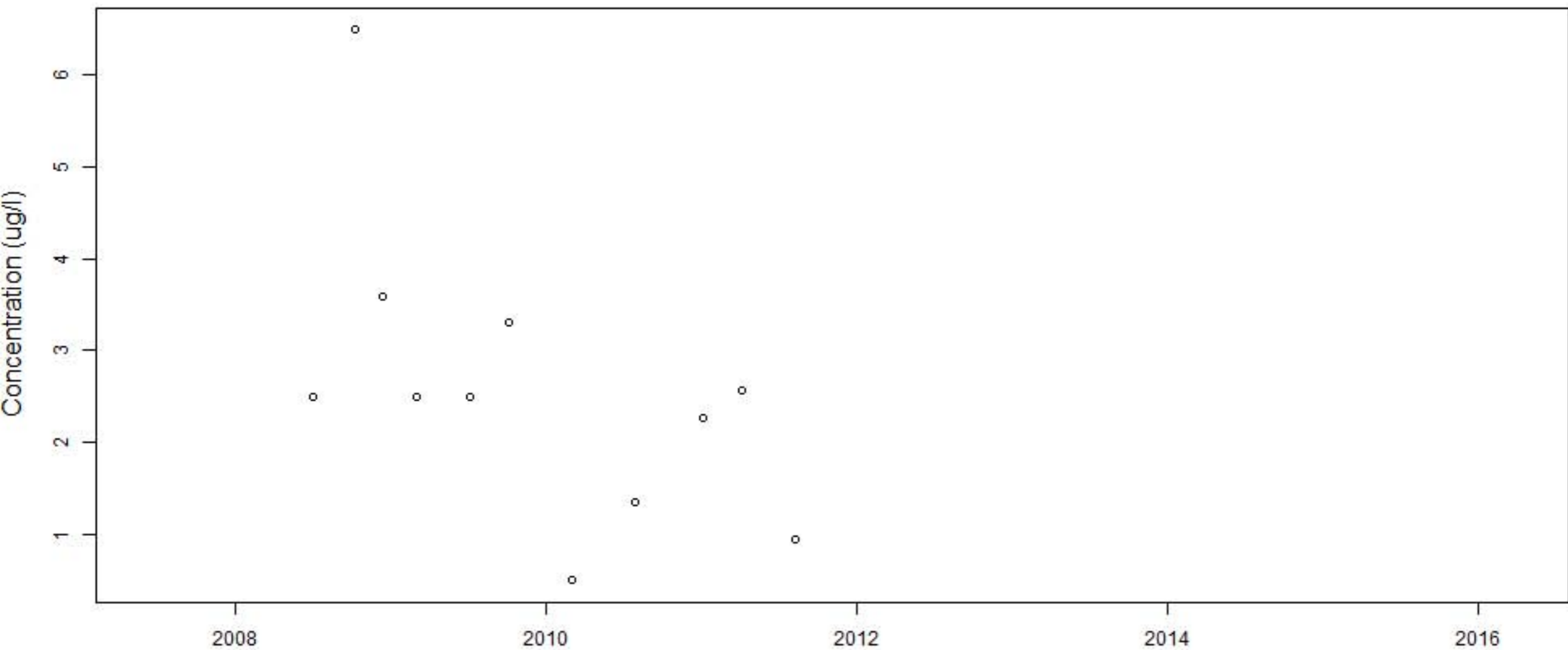
# BECY.7



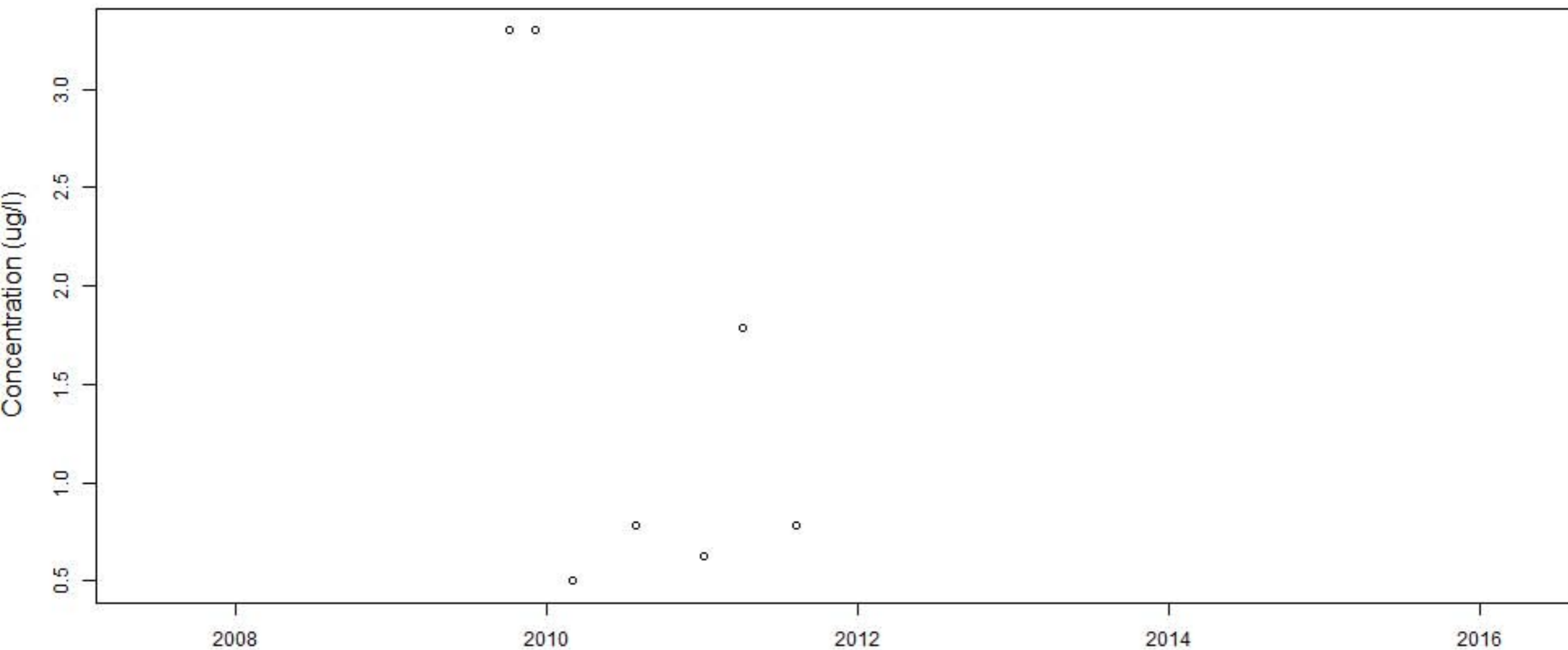
# BECY.7ra\_Comp



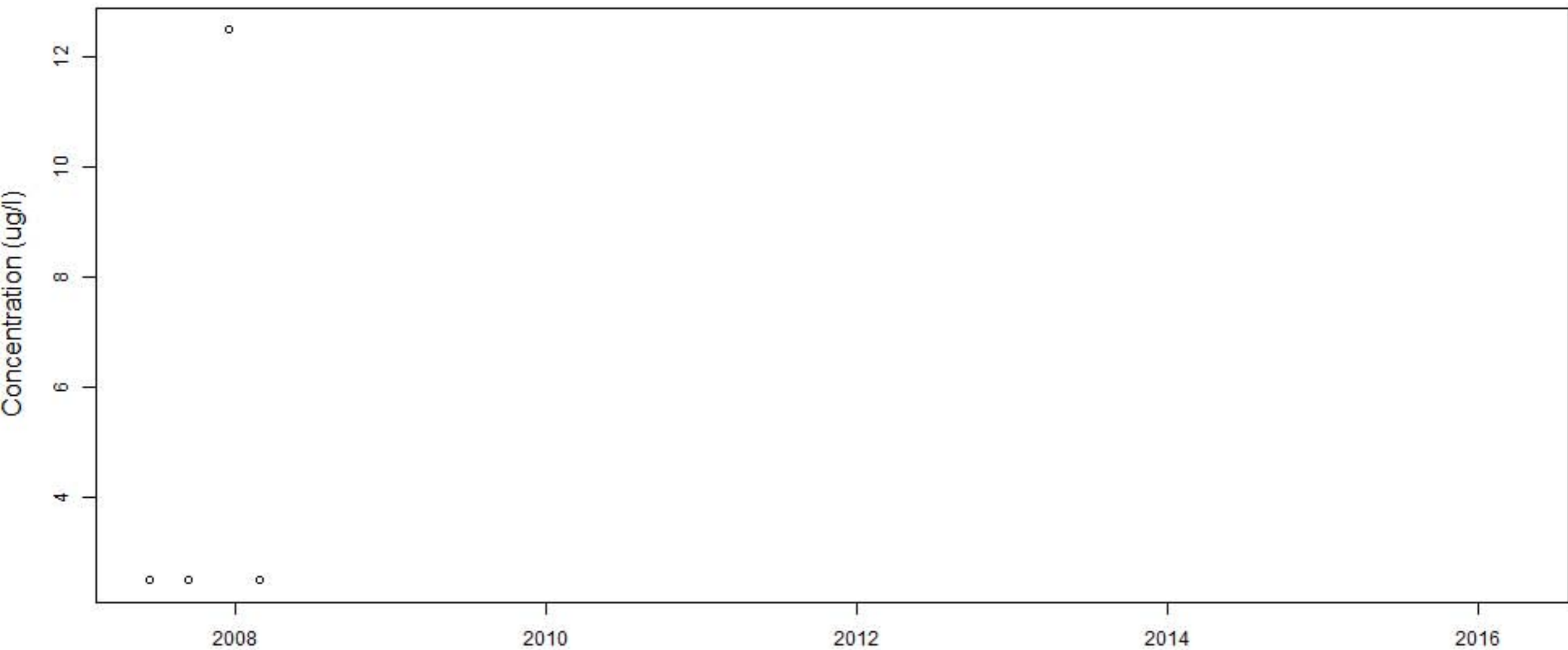
BECY.7ra\_Grab



BECY.7ra\_Grab\_after

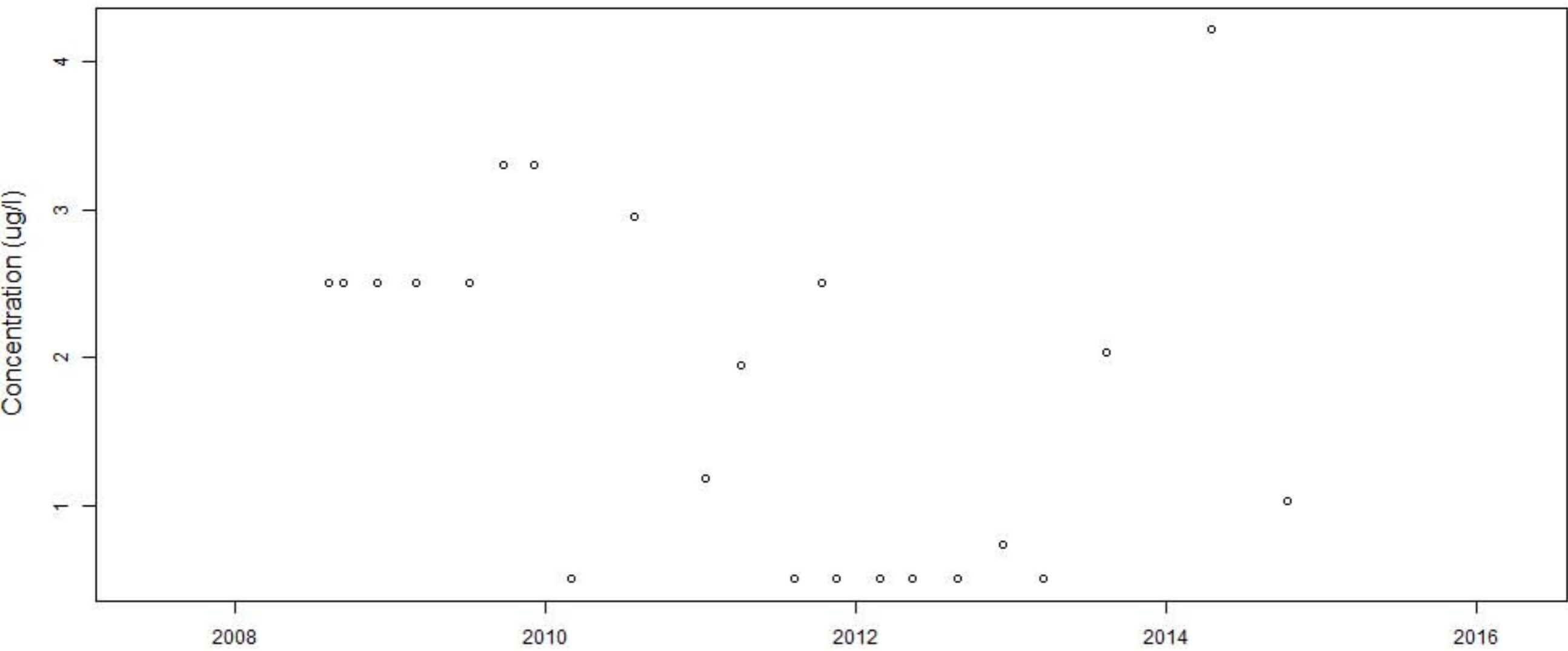


# BECY.8

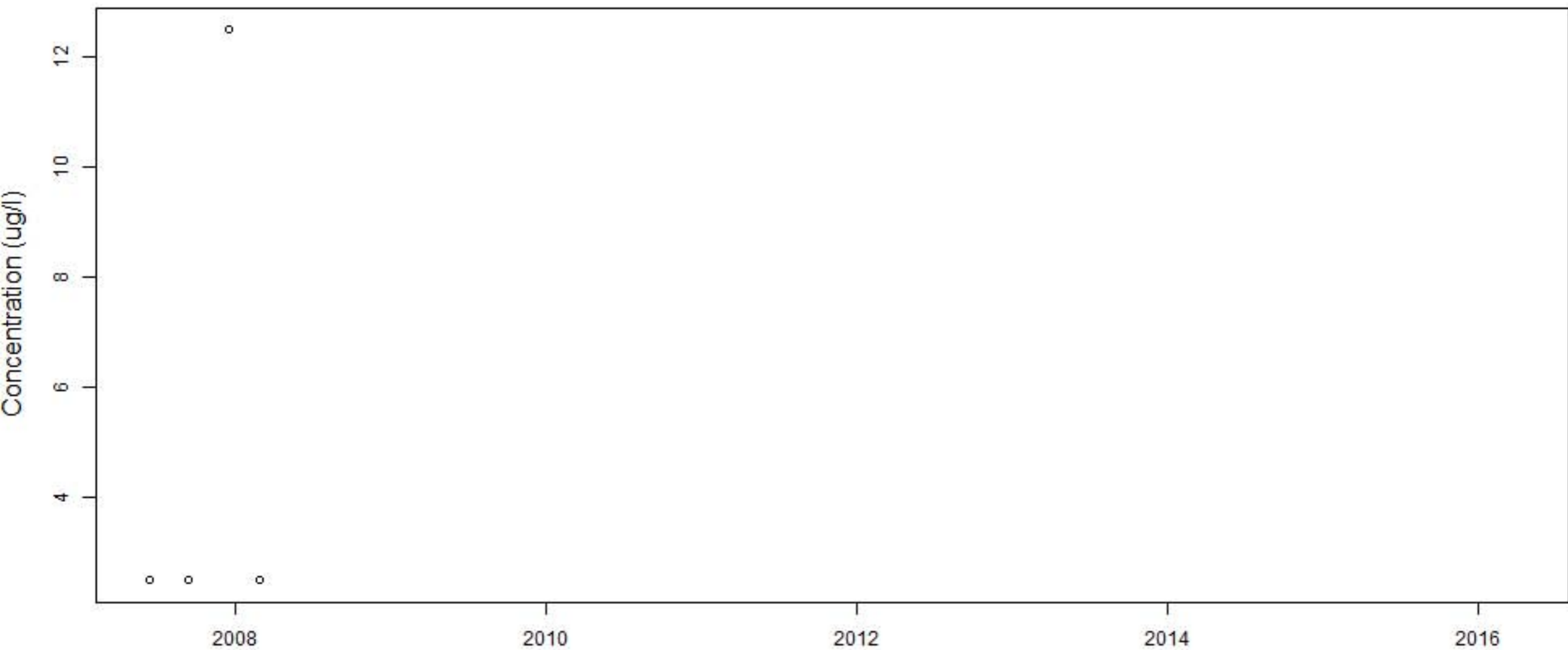




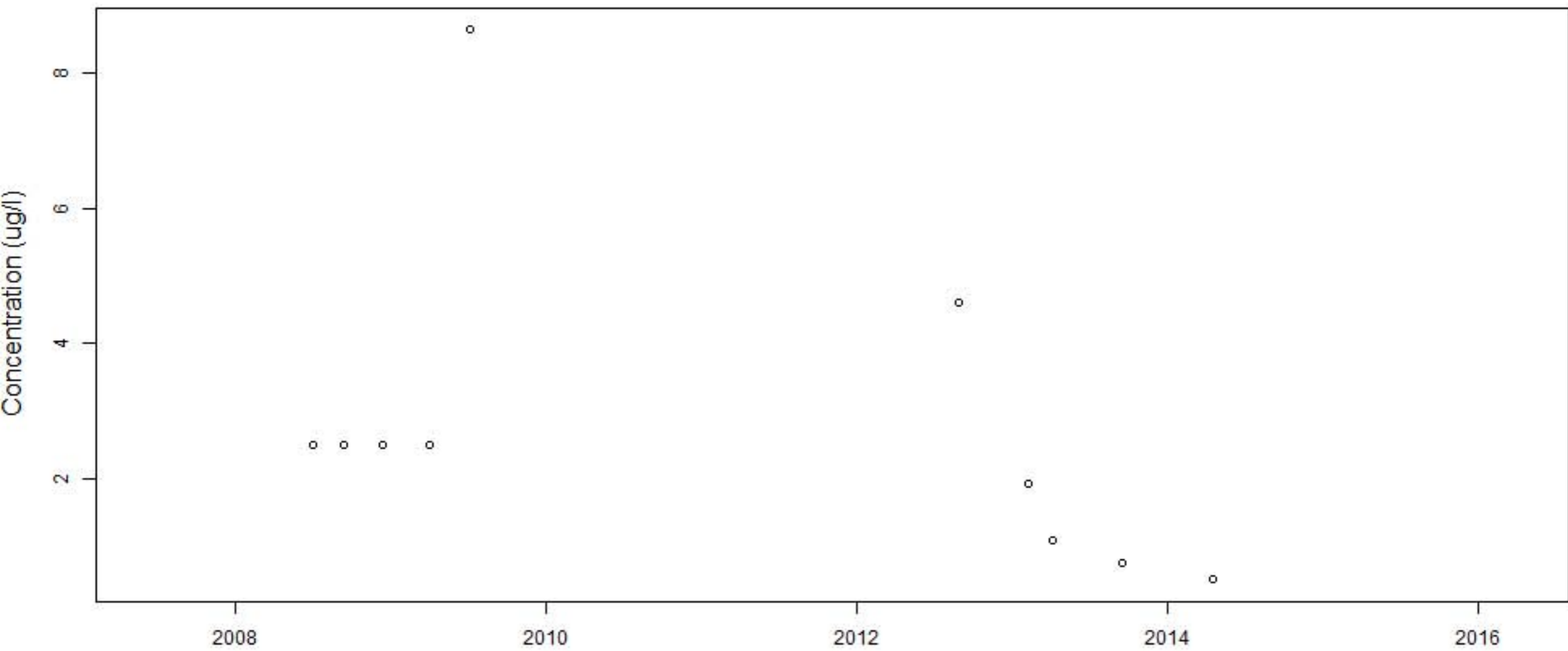
# BECY.8r



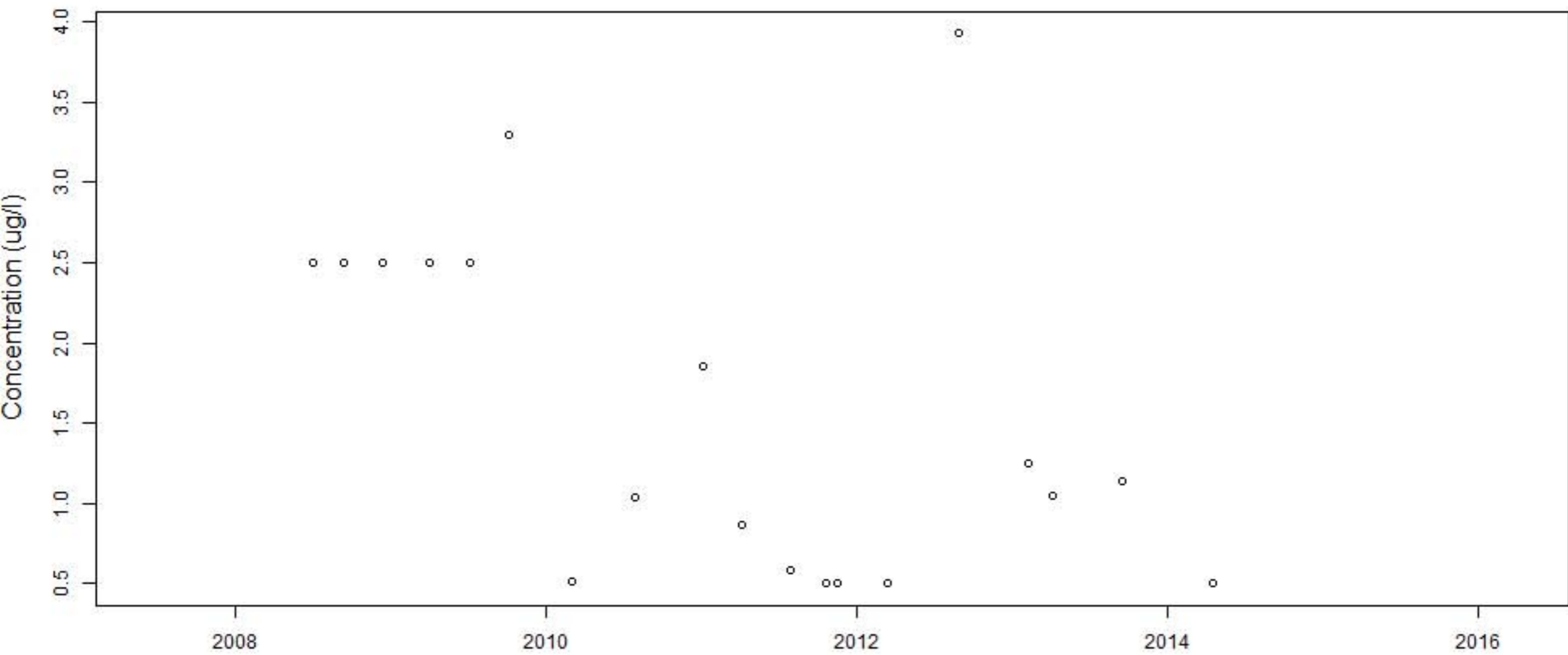
# BECY.9



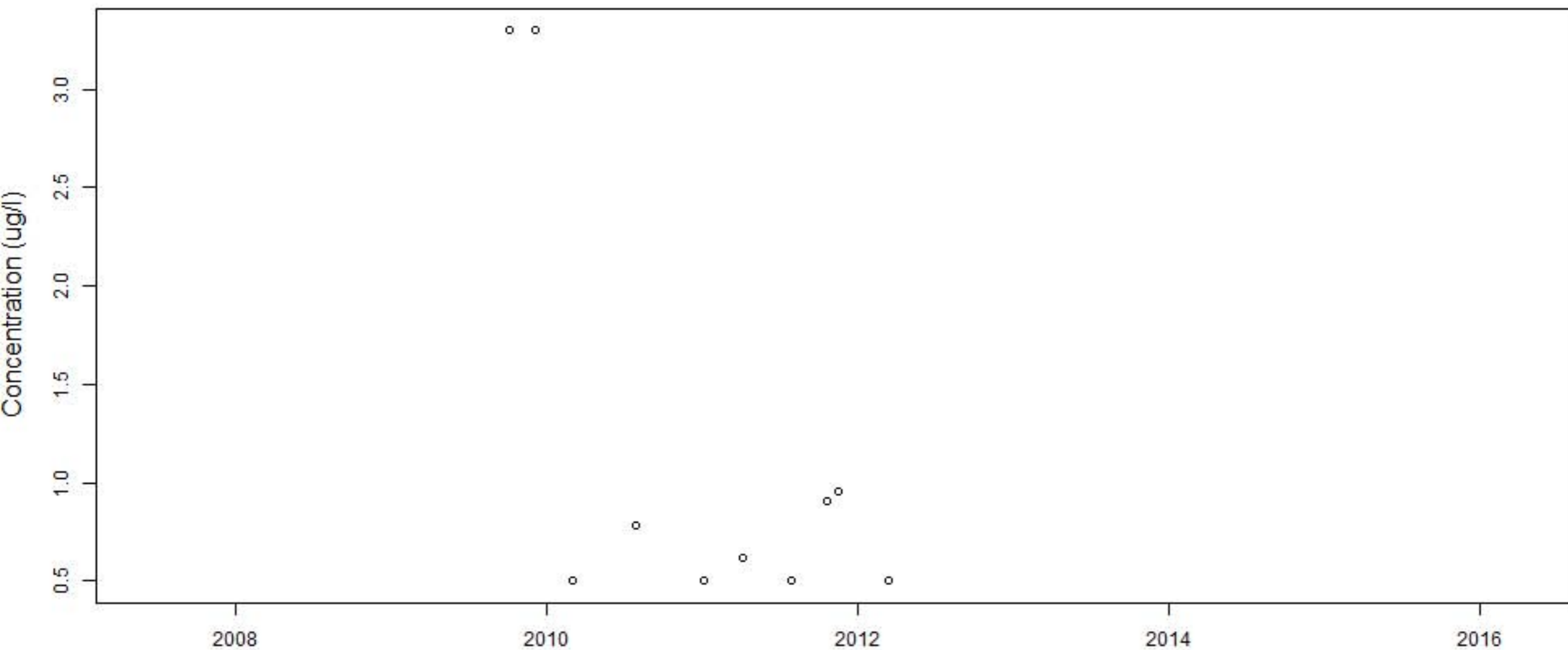
# BECY.9ra\_Comp



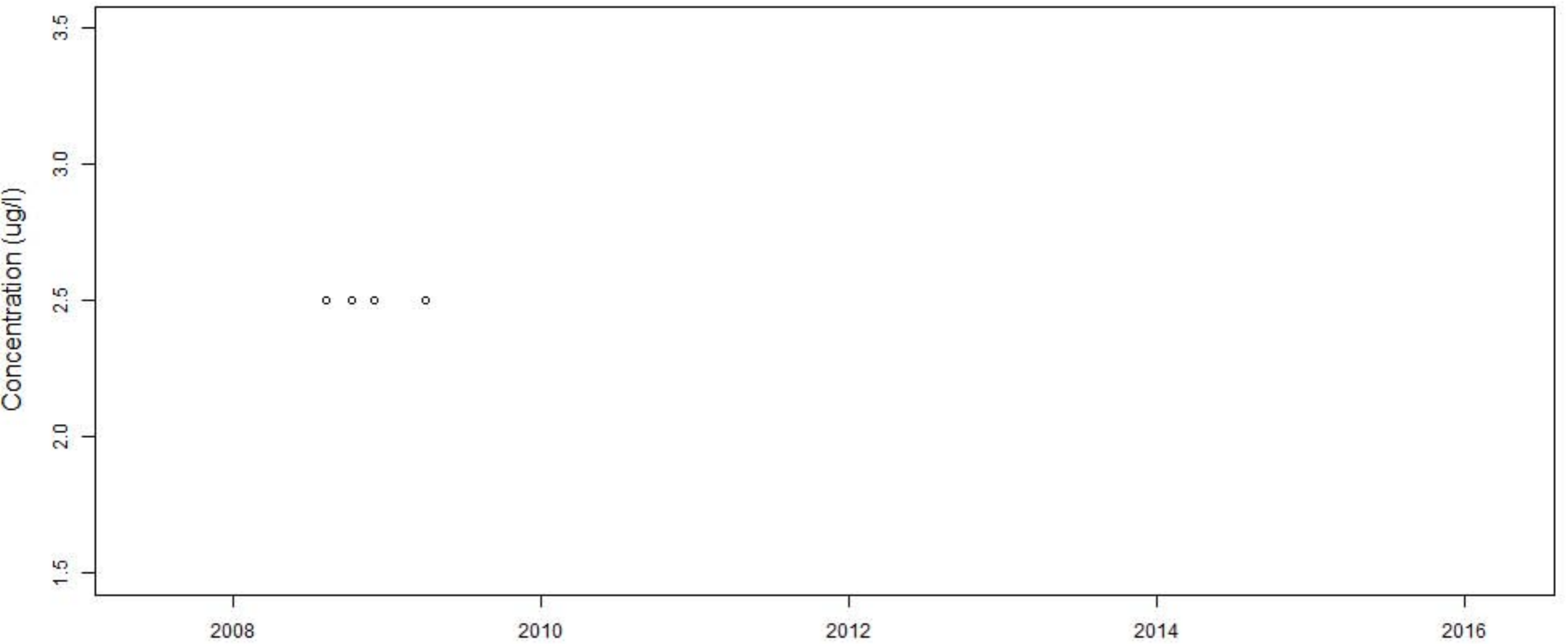
BECY.9ra\_Grab



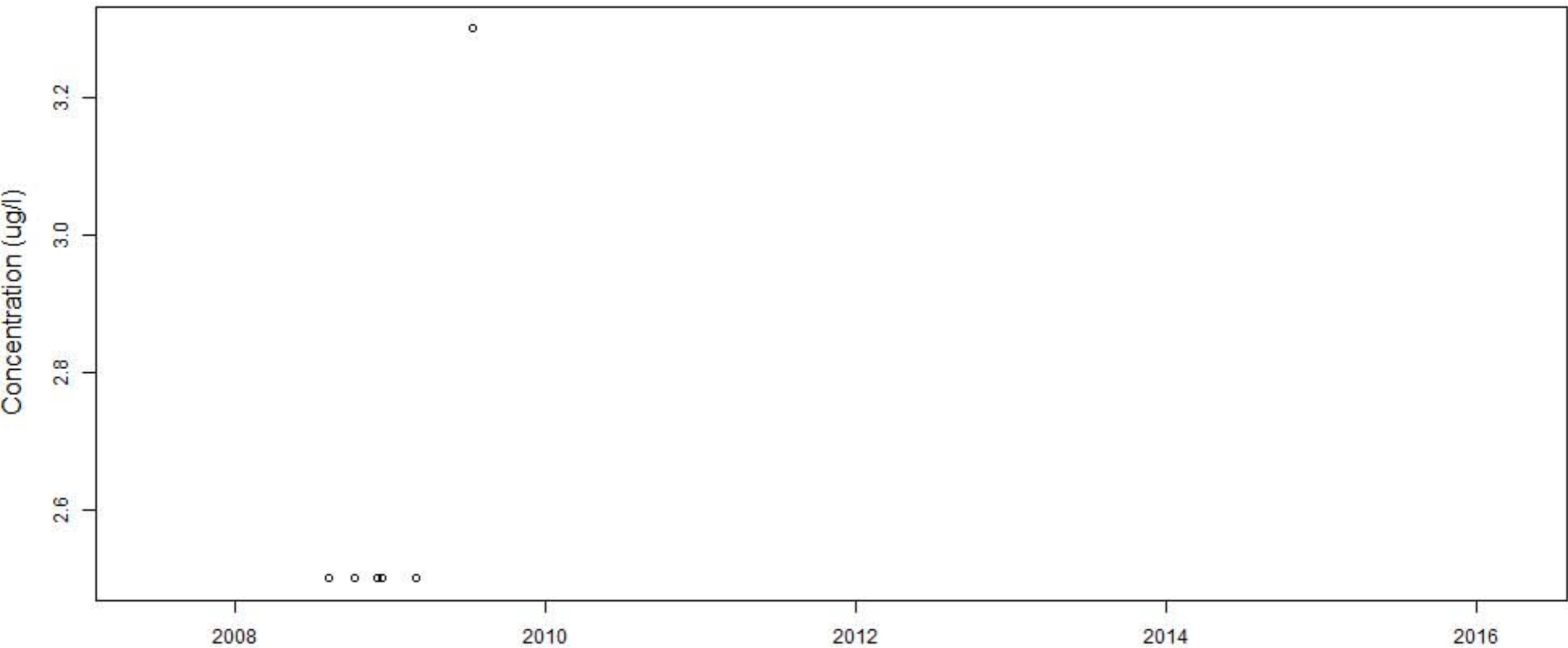
BECY.9ra\_Grab\_after



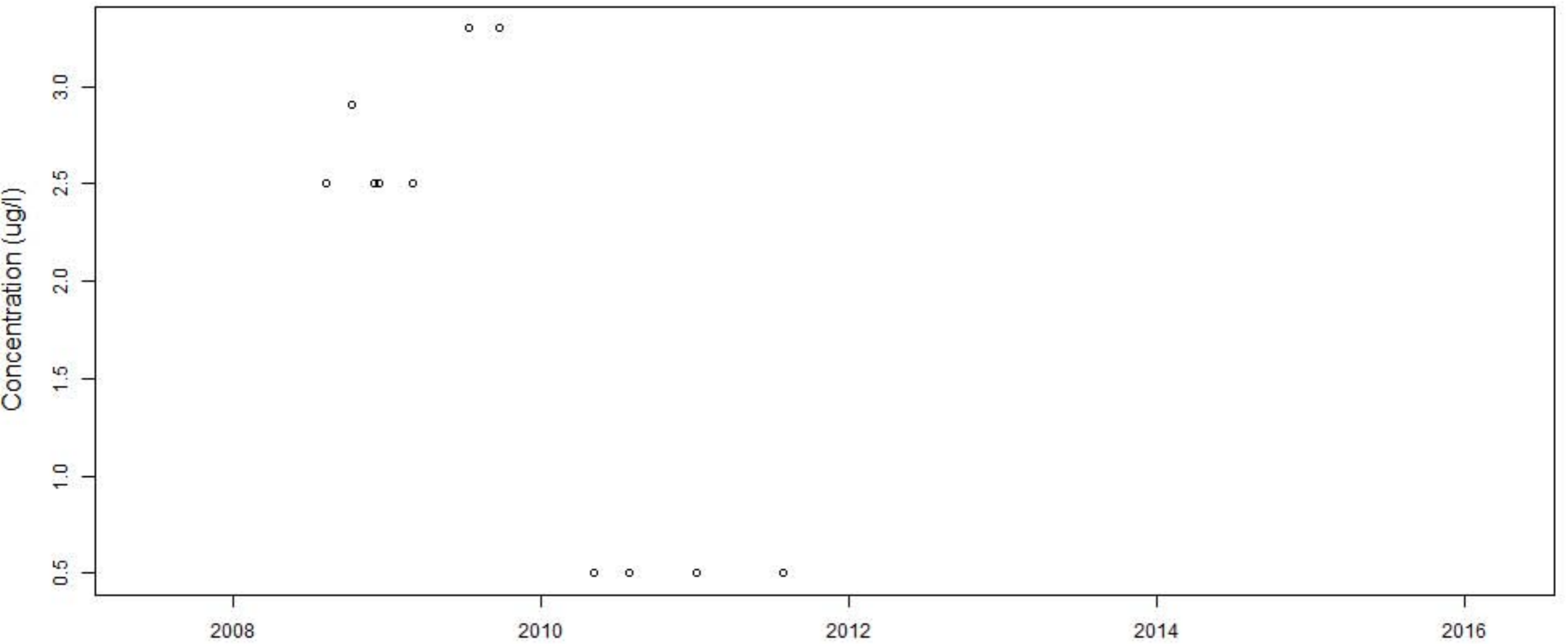
# BMPep.IN\_GRAB



# BM Pep.OUT\_COMP

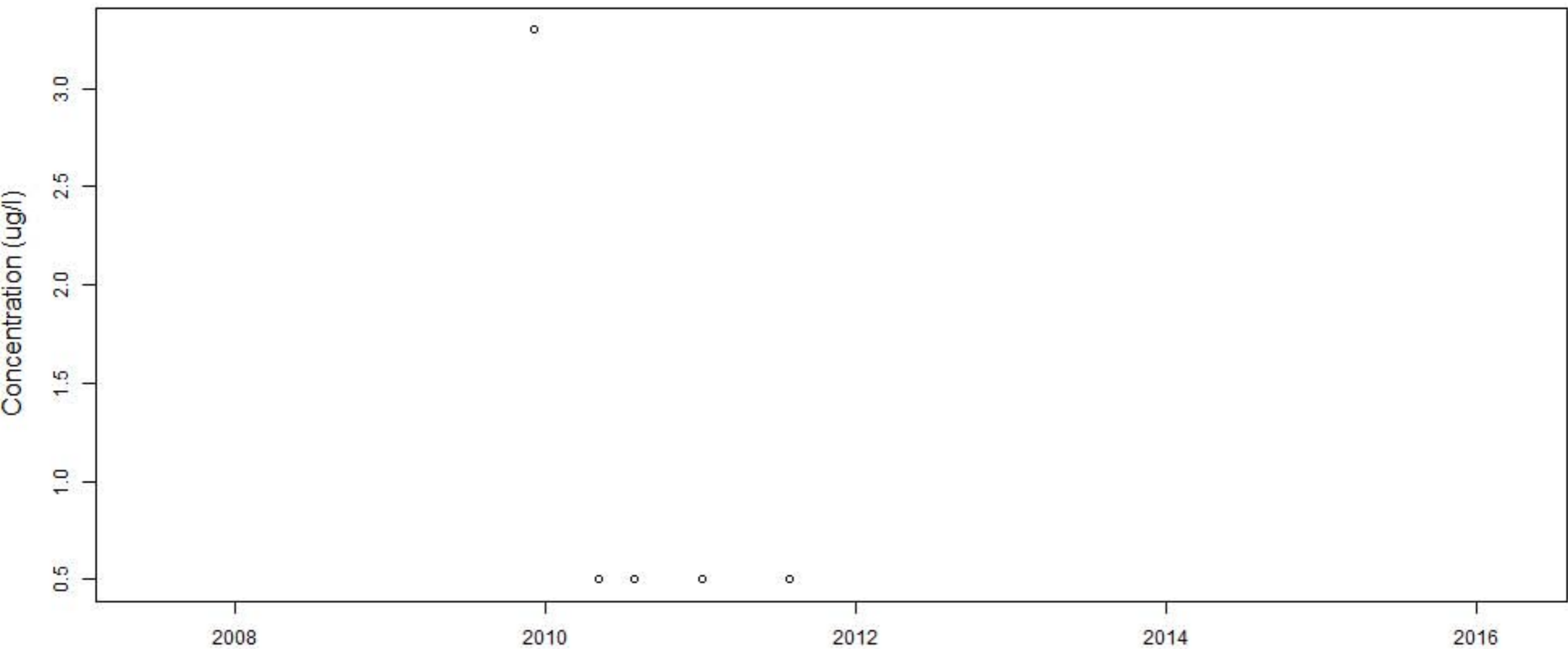


BM Pep.OUT\_GRAB

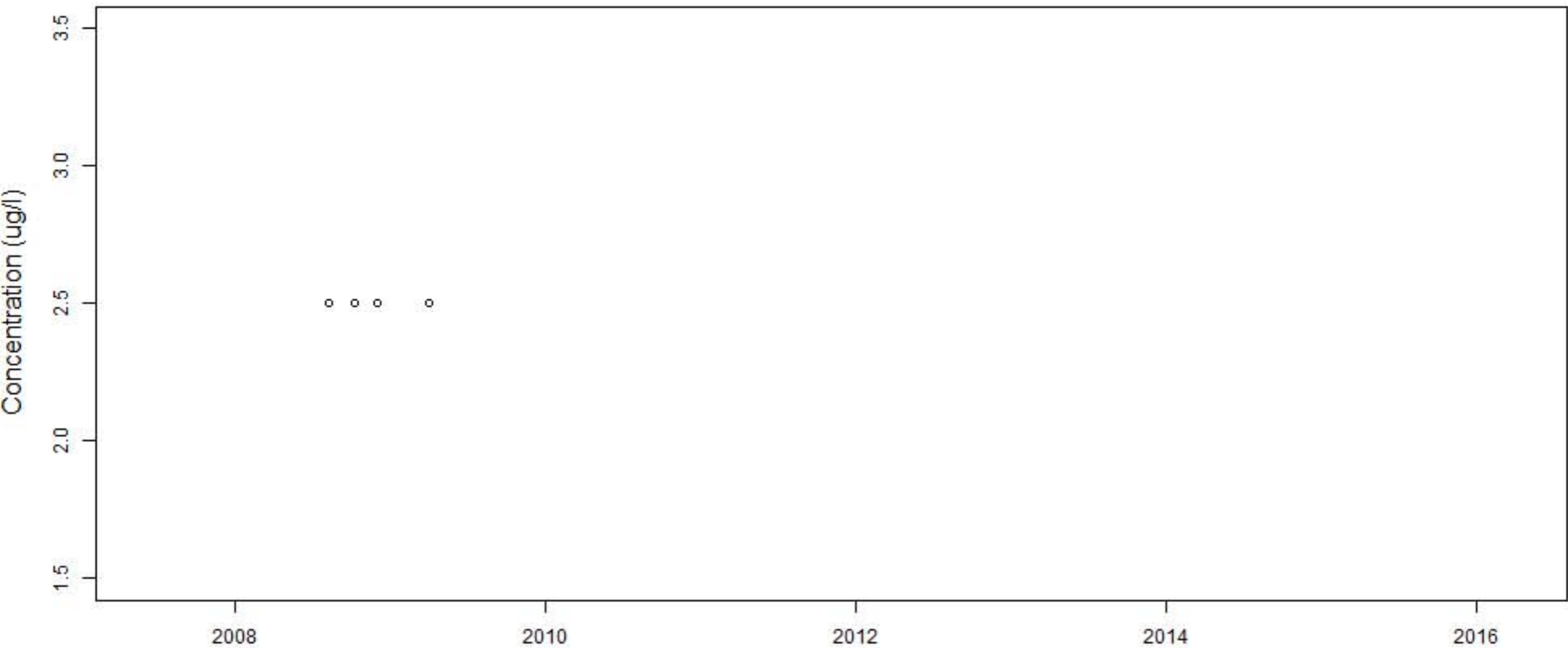




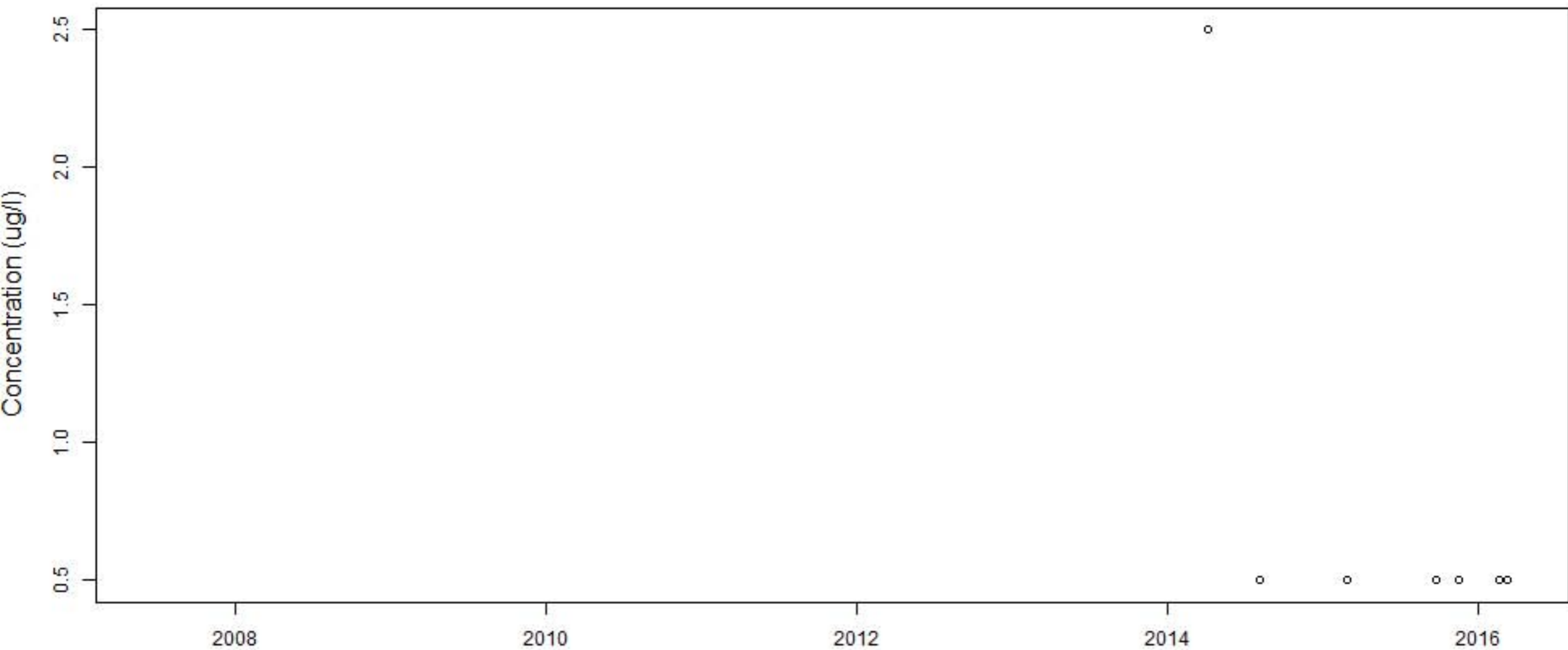
BM Pep.OUT\_GRAB\_after



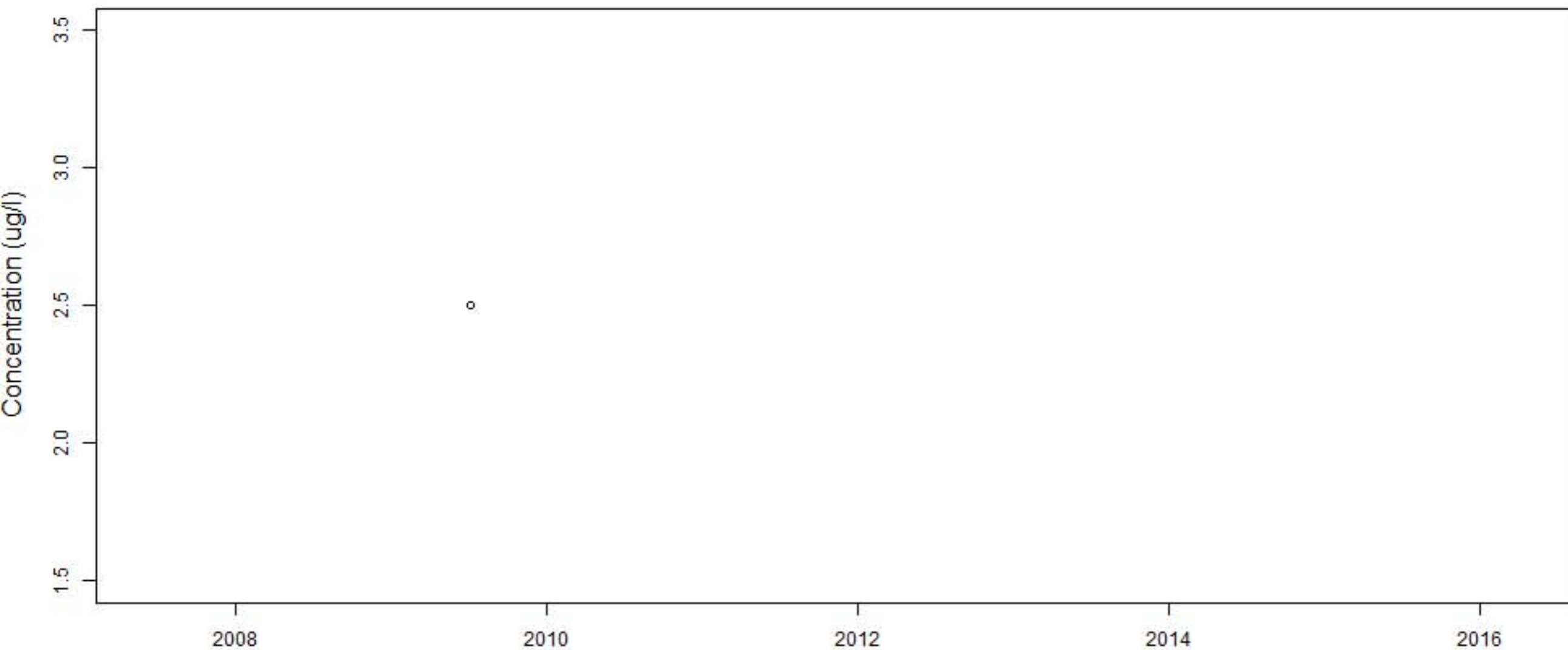
# BM Pep\_IN\_COMP



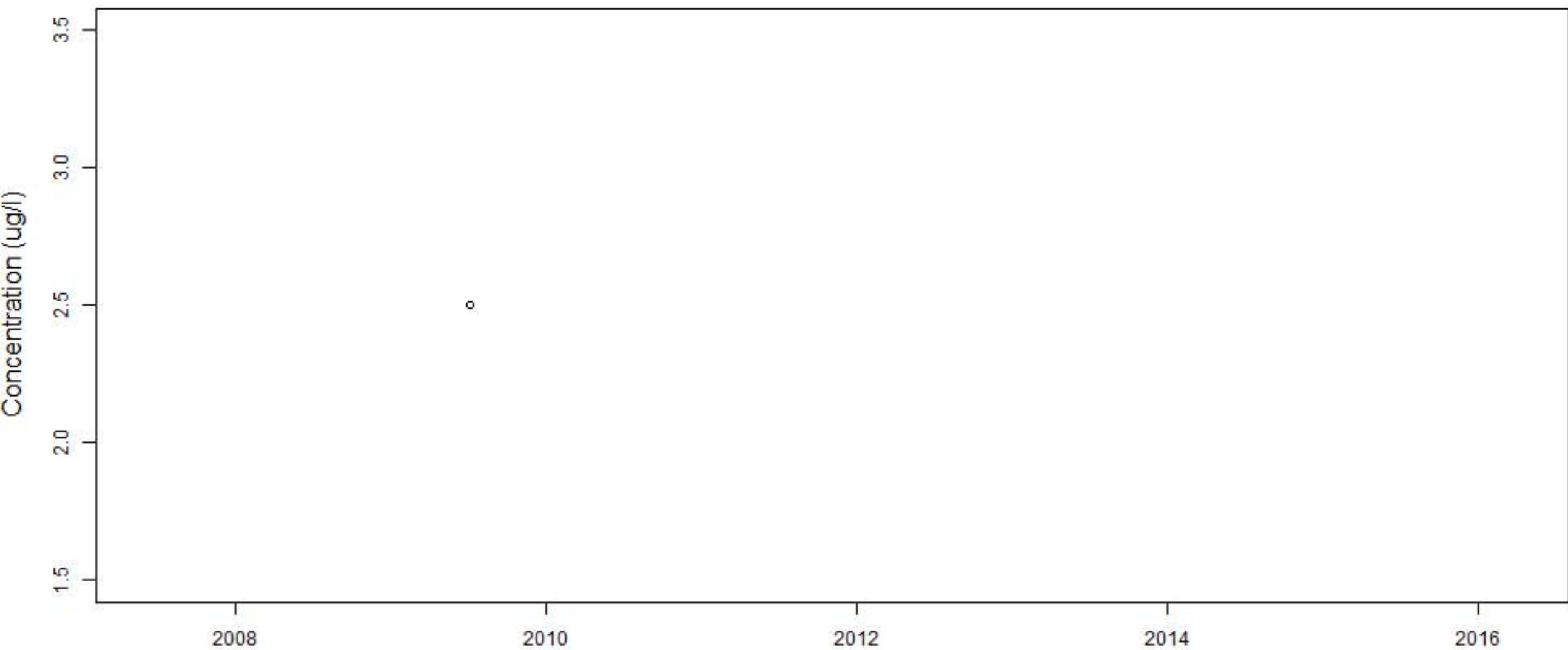
# BROAD.POINTE



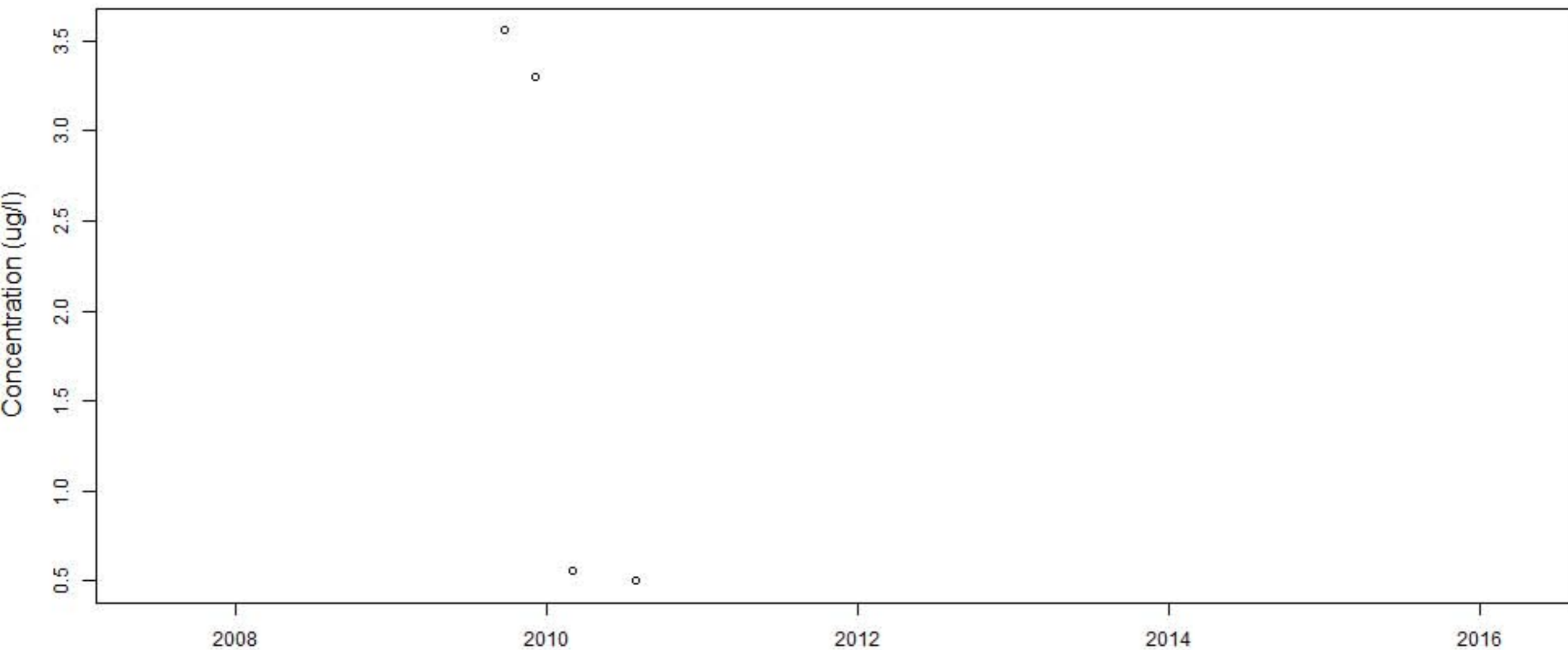
# Christine.Place.Comp



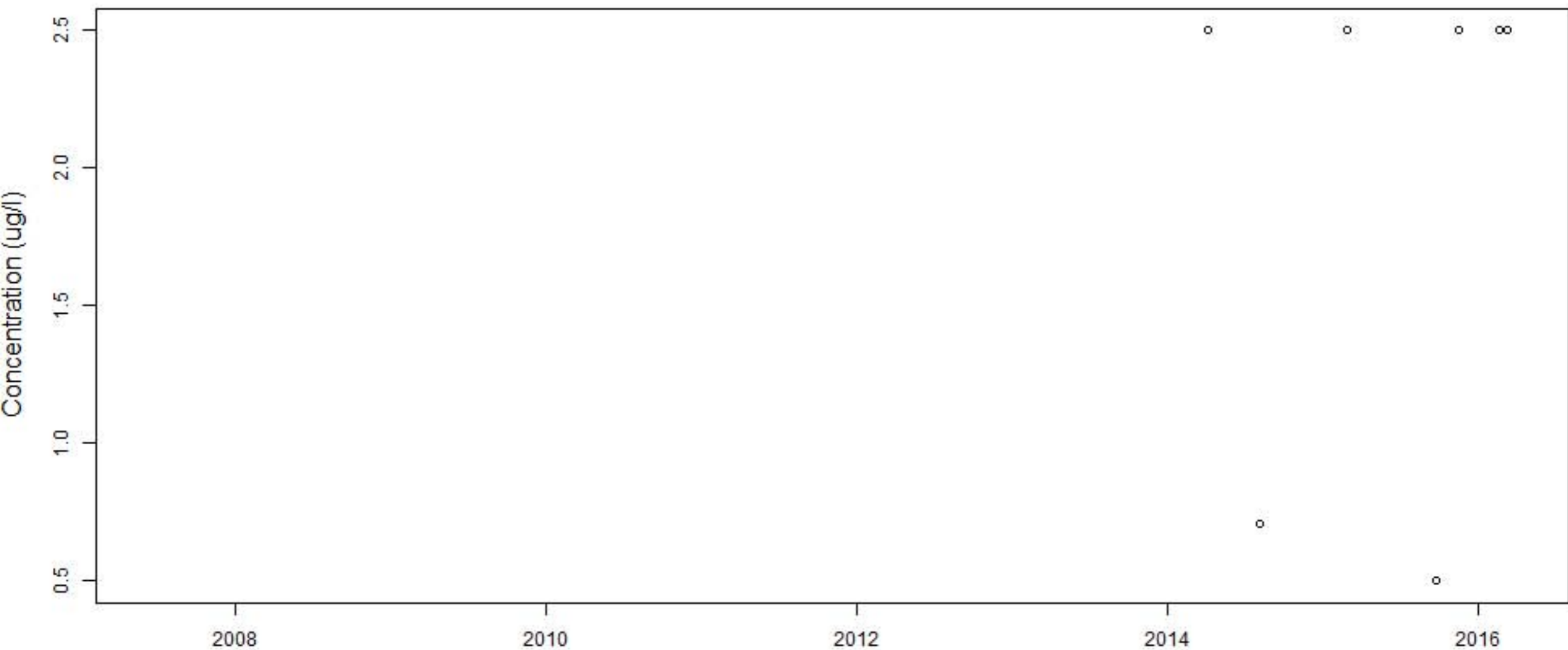
# Christine.Place.Grab



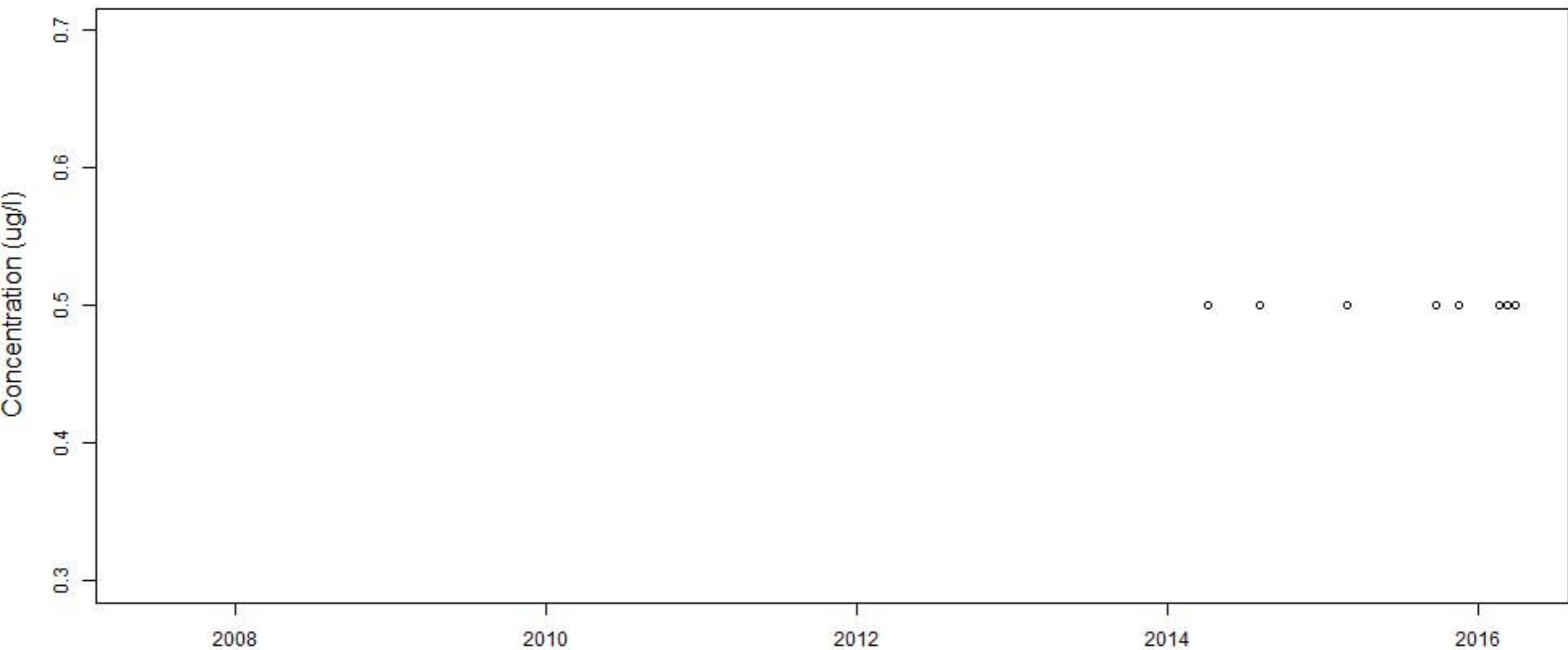
# Christine.Place.R



# CRACKER.BARREL

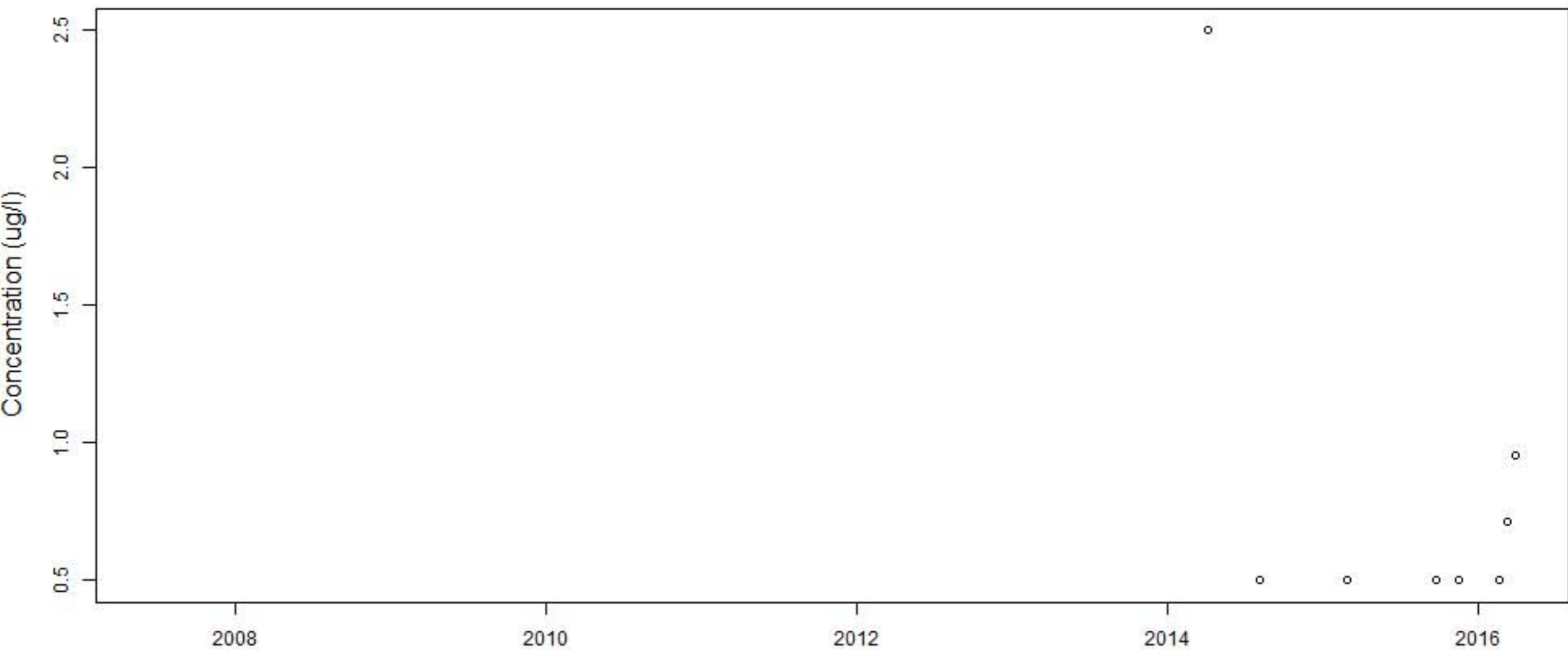


# CREATION.STATION

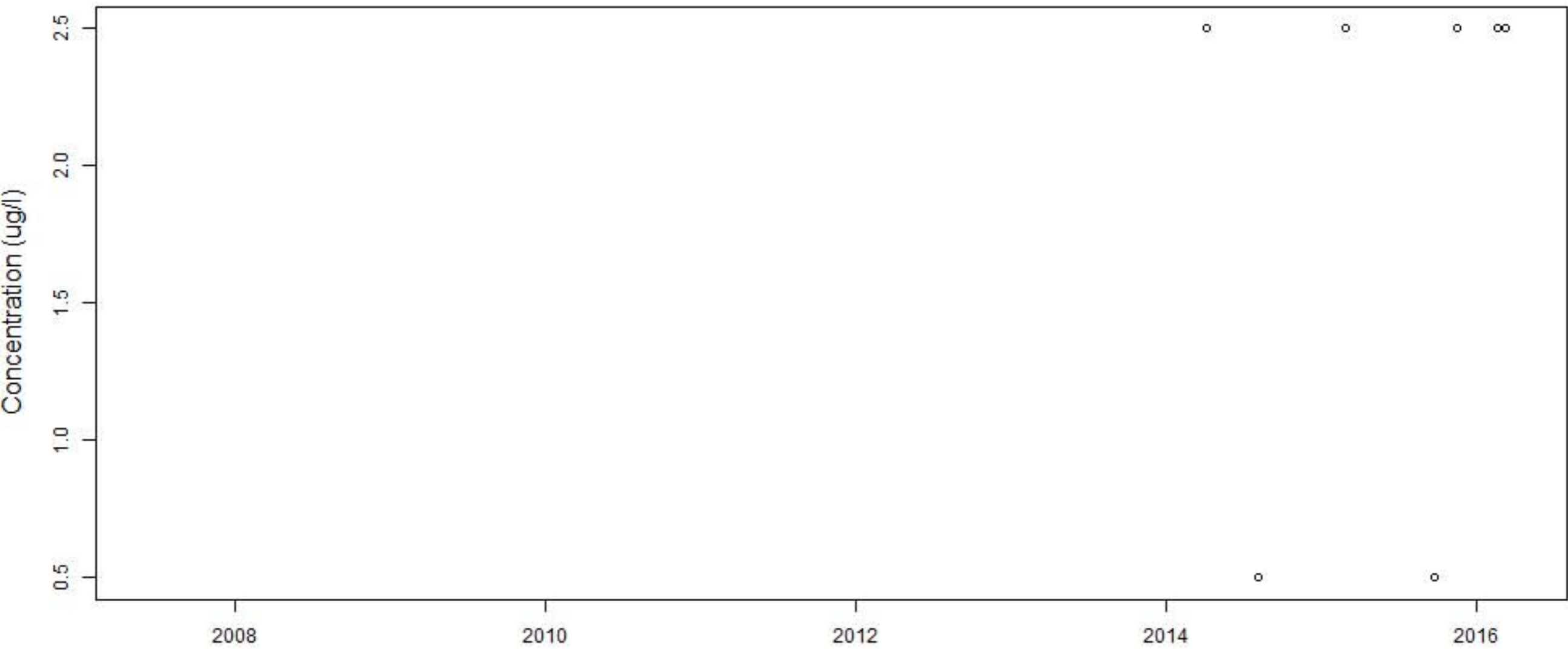




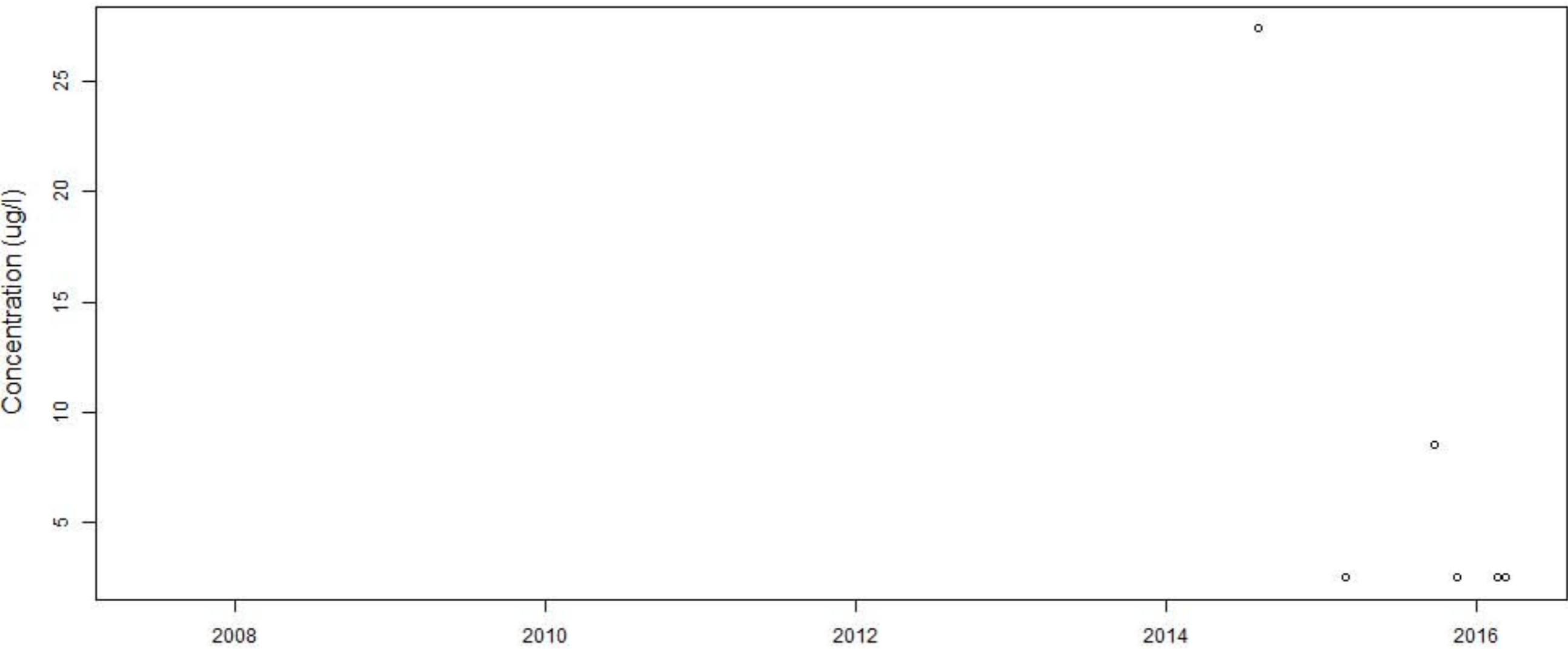
# CSA



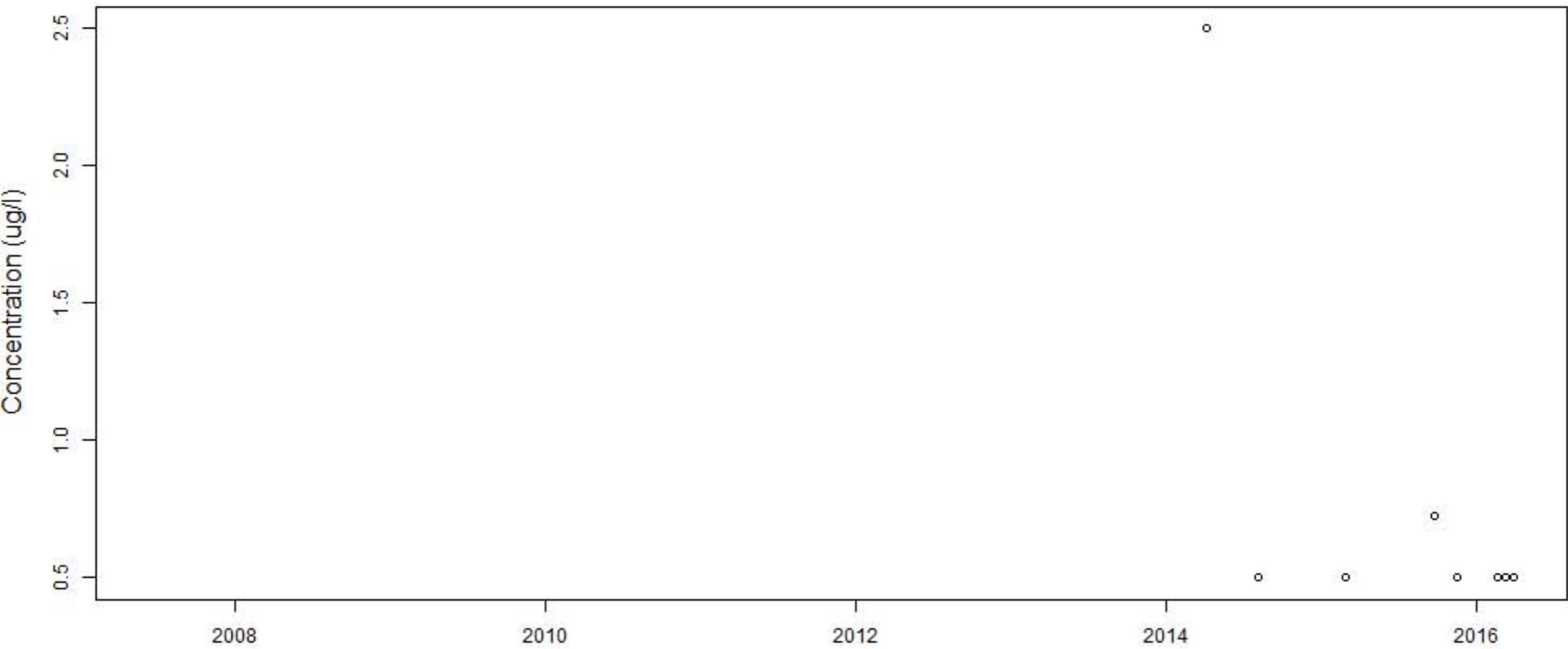
# DISNEY



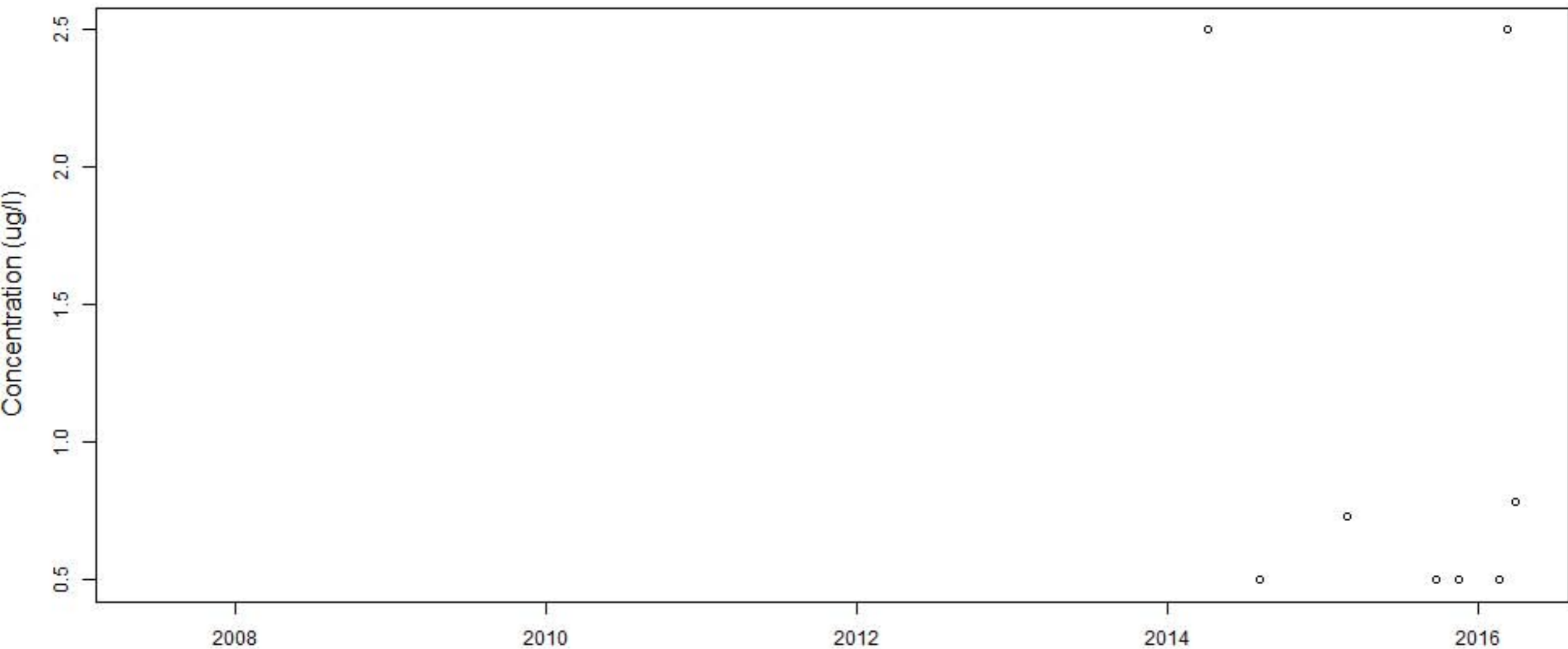
# FISH.HAUL



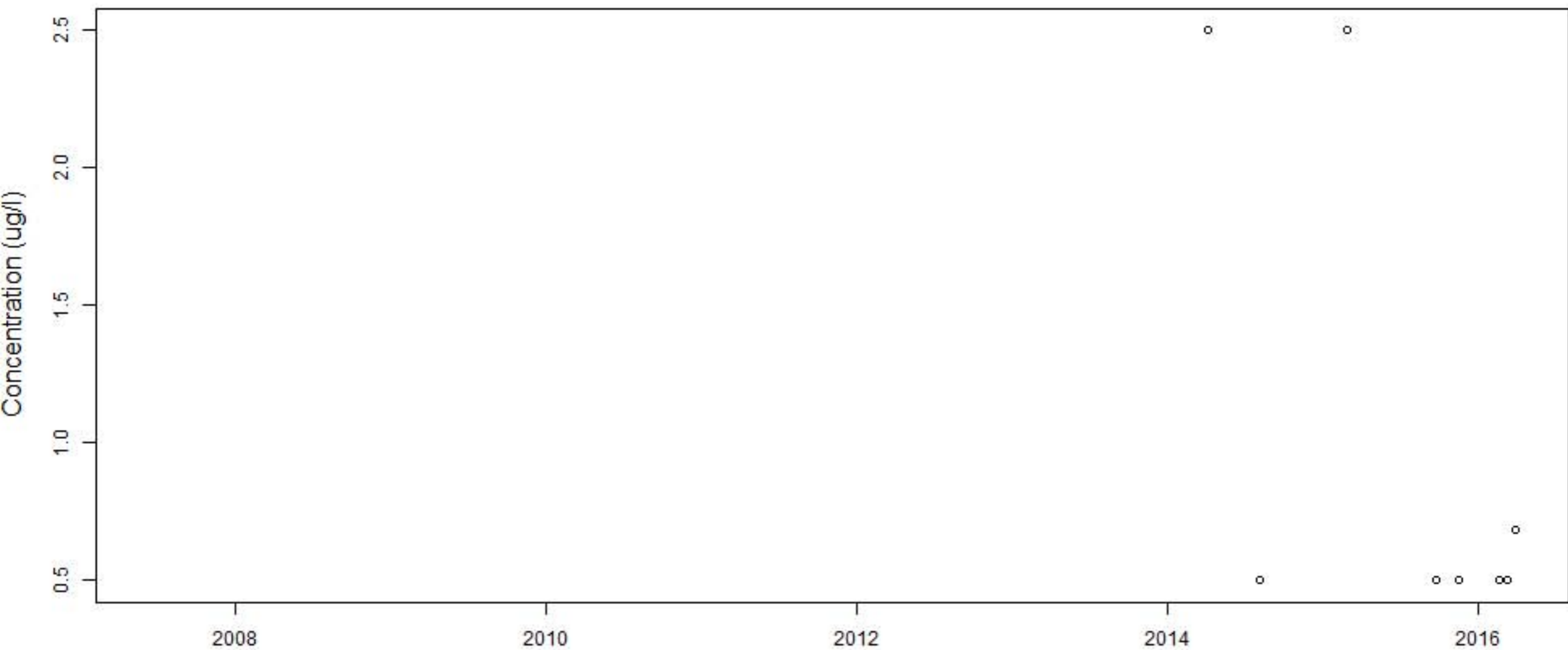
# GUM.TREE



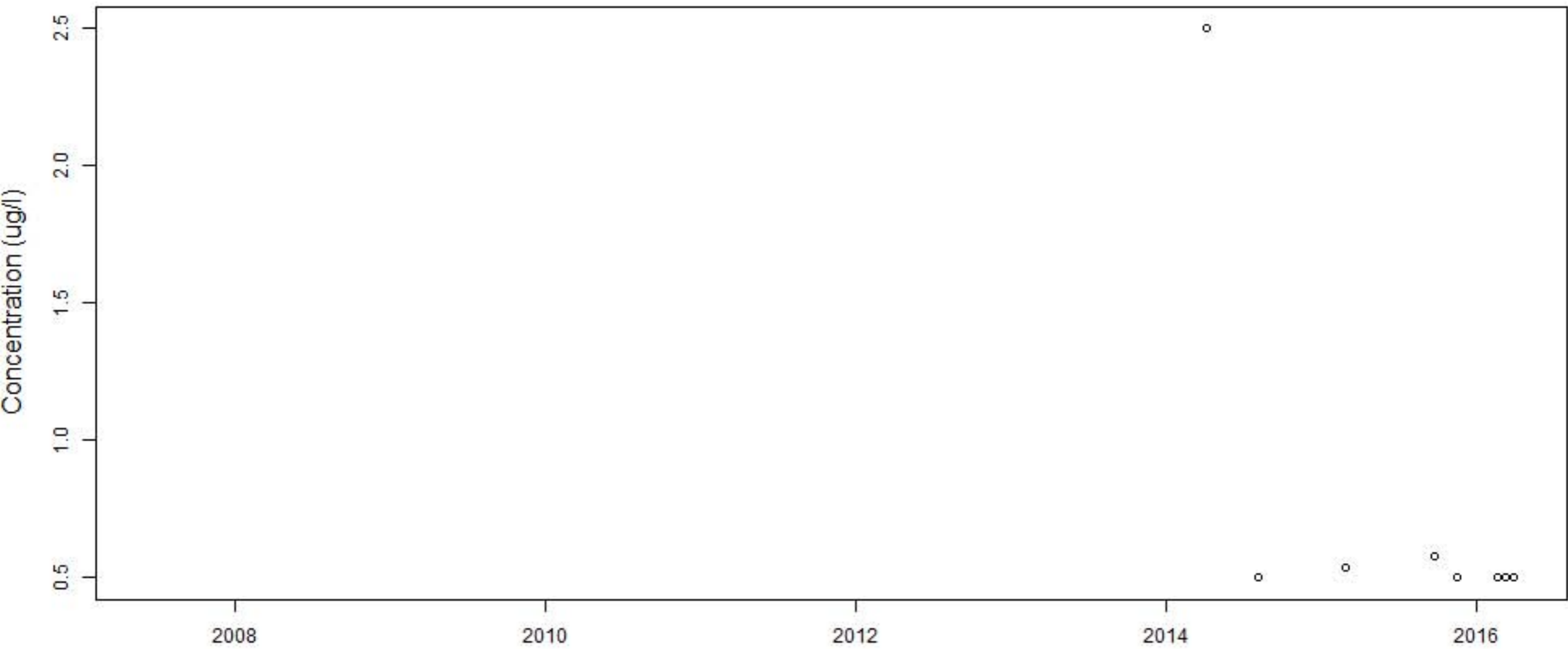
# HARBOR.MANOR



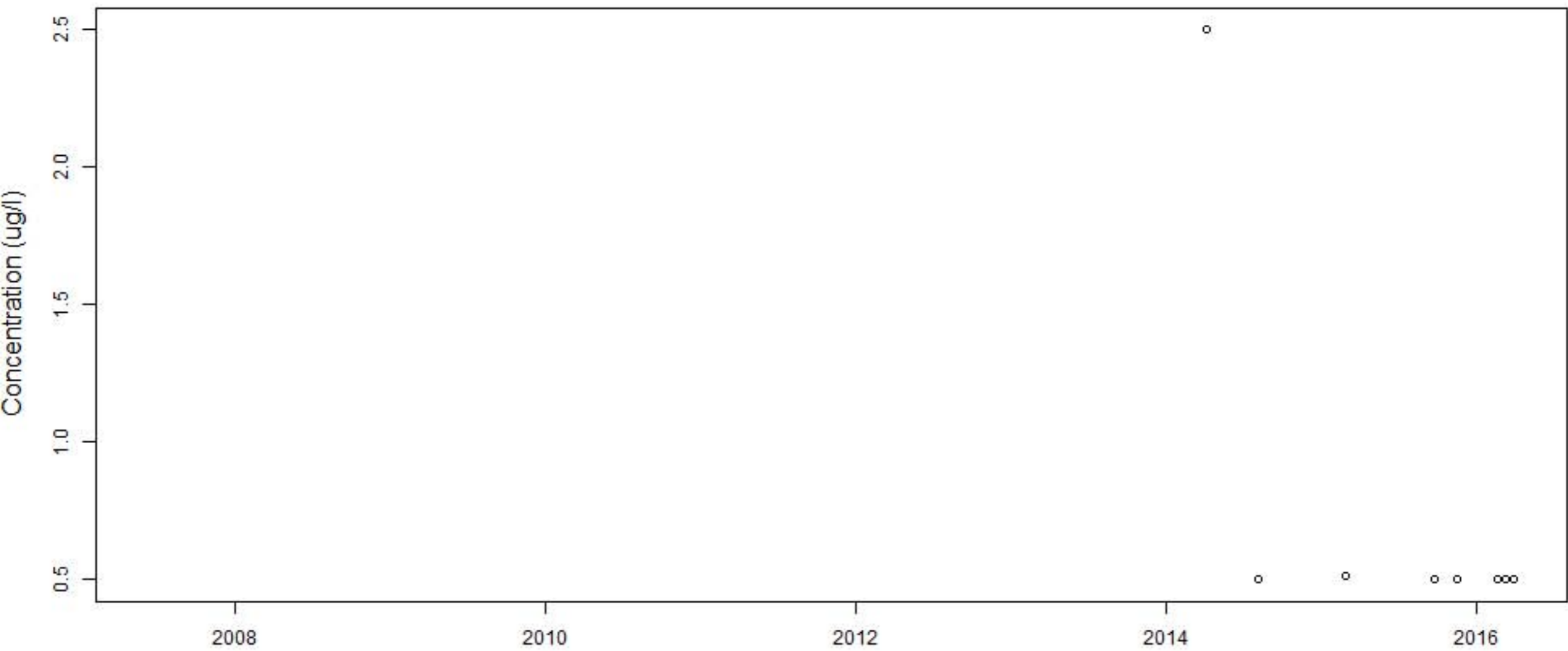
# HILTON.HEAD.PREP



# JARVIS.1

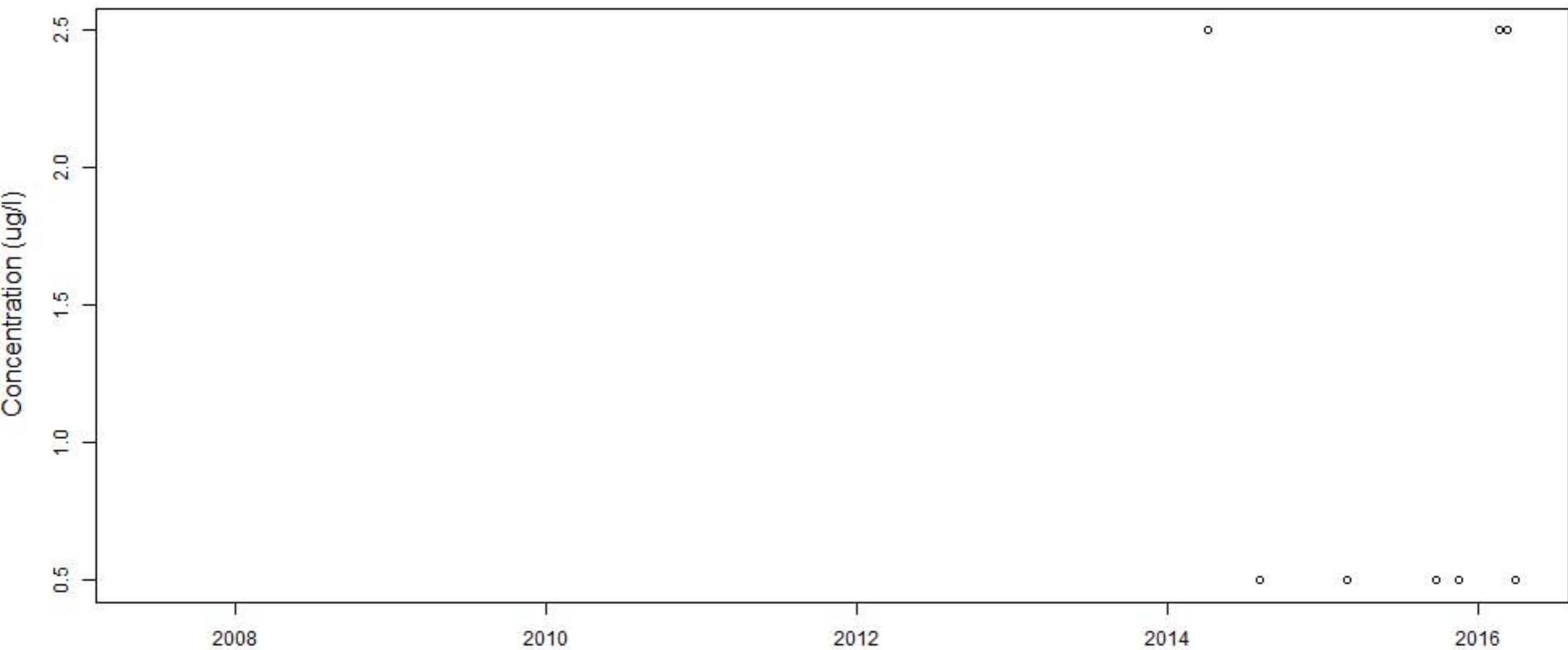


# JARVIS.2

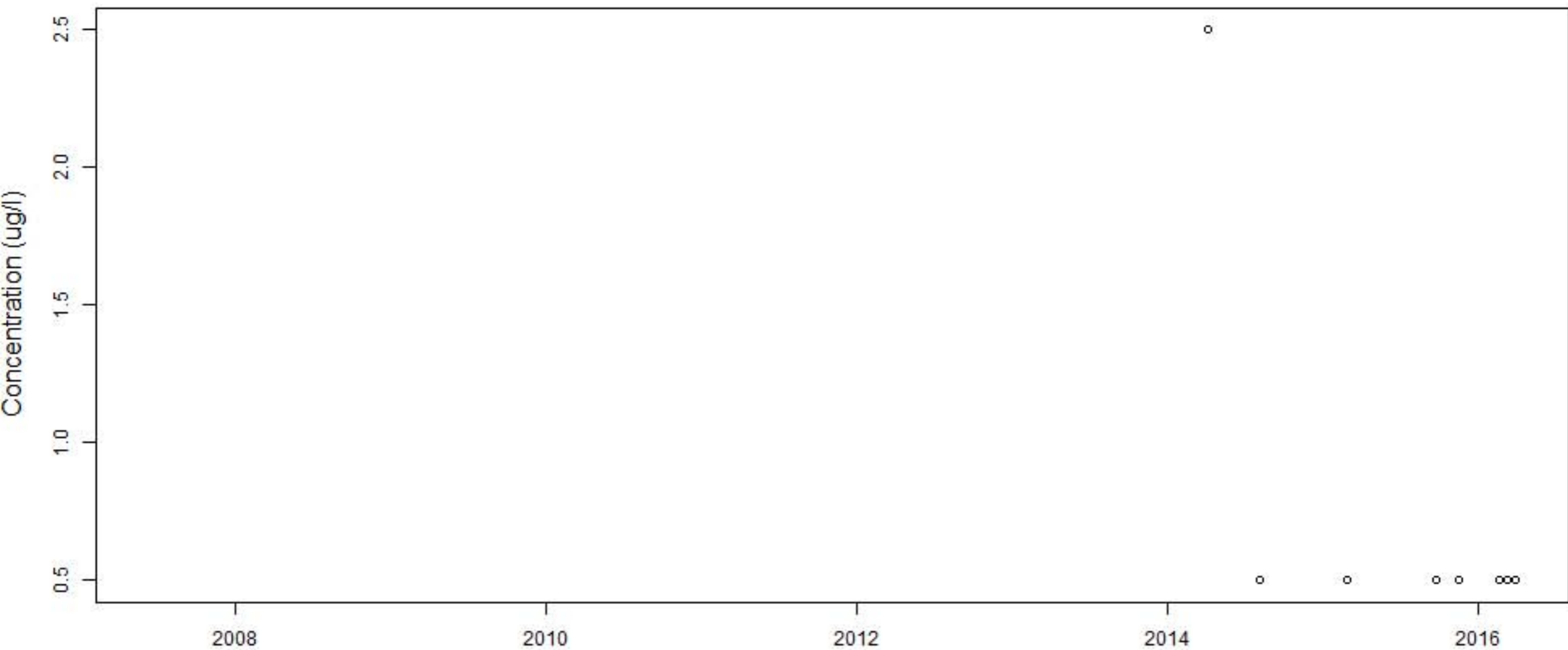




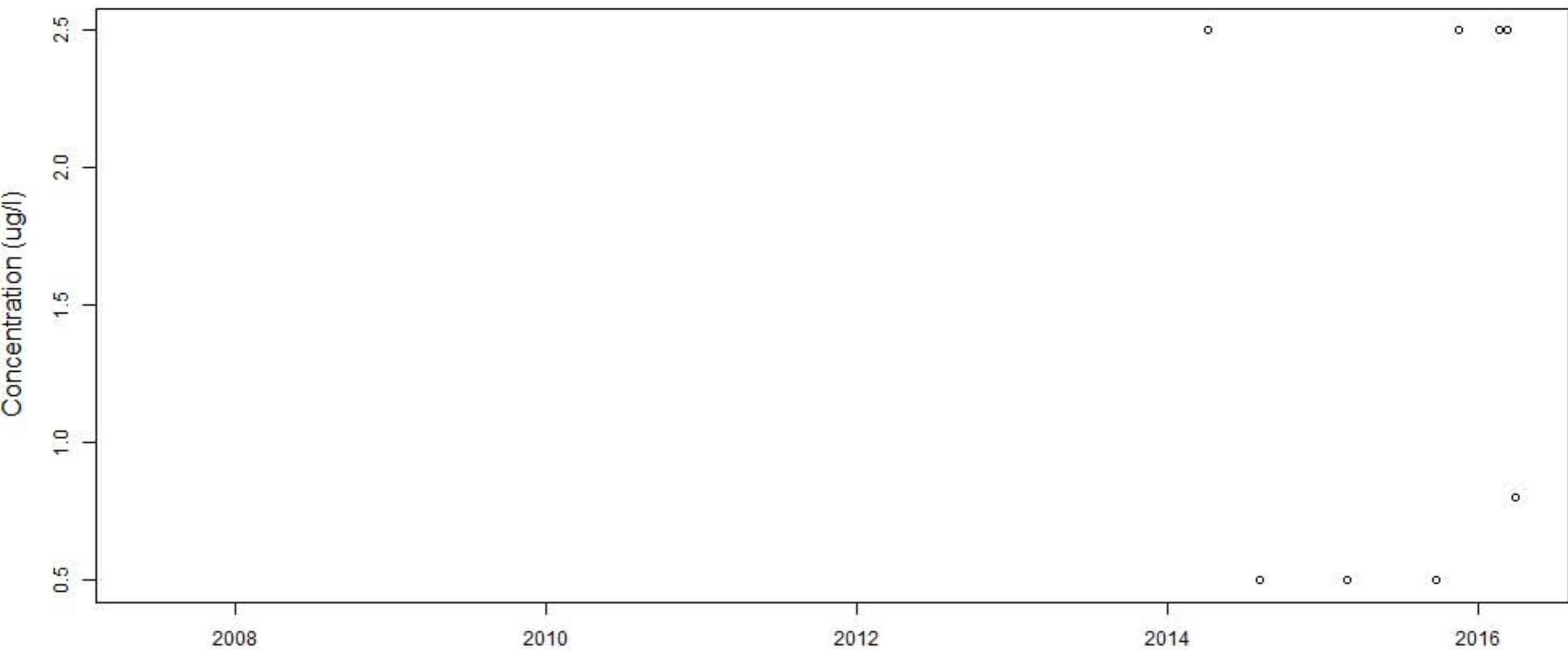
# MATHEWS.2



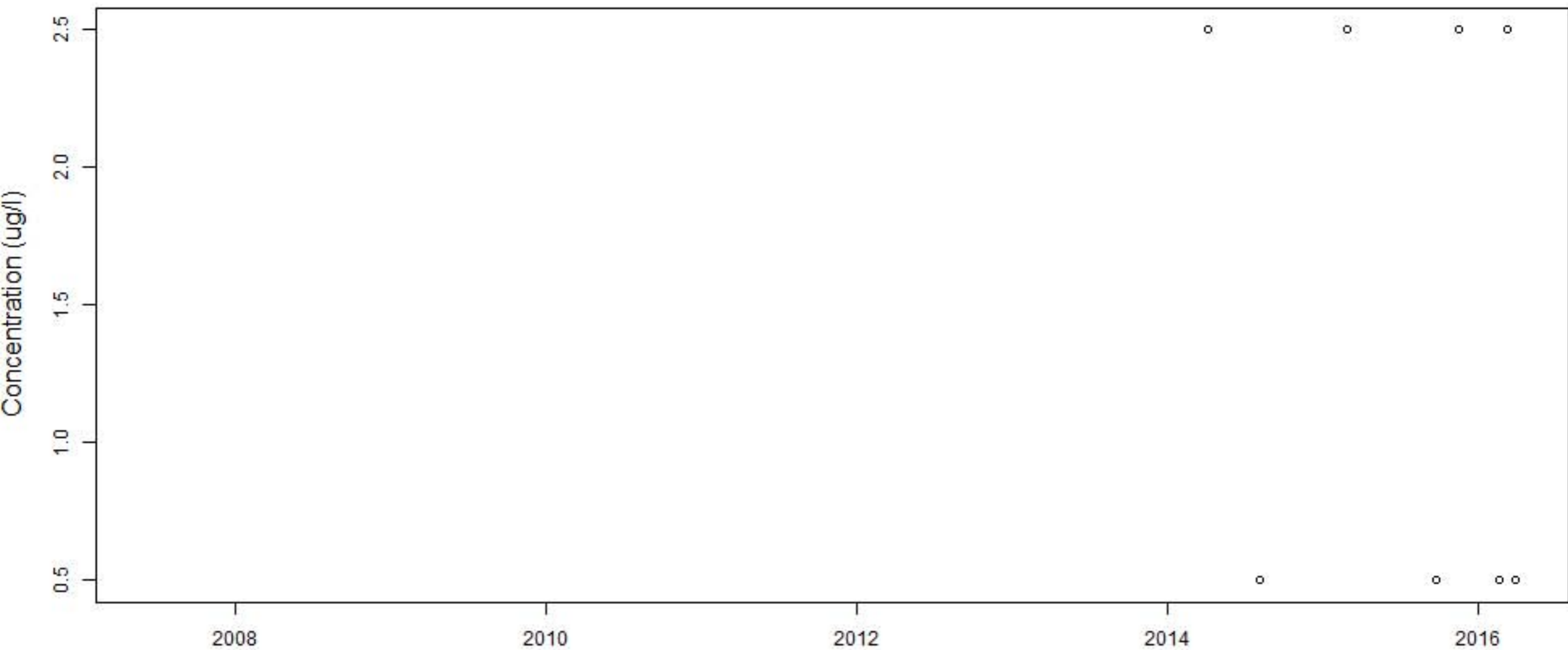
# MILLERS.POND.1



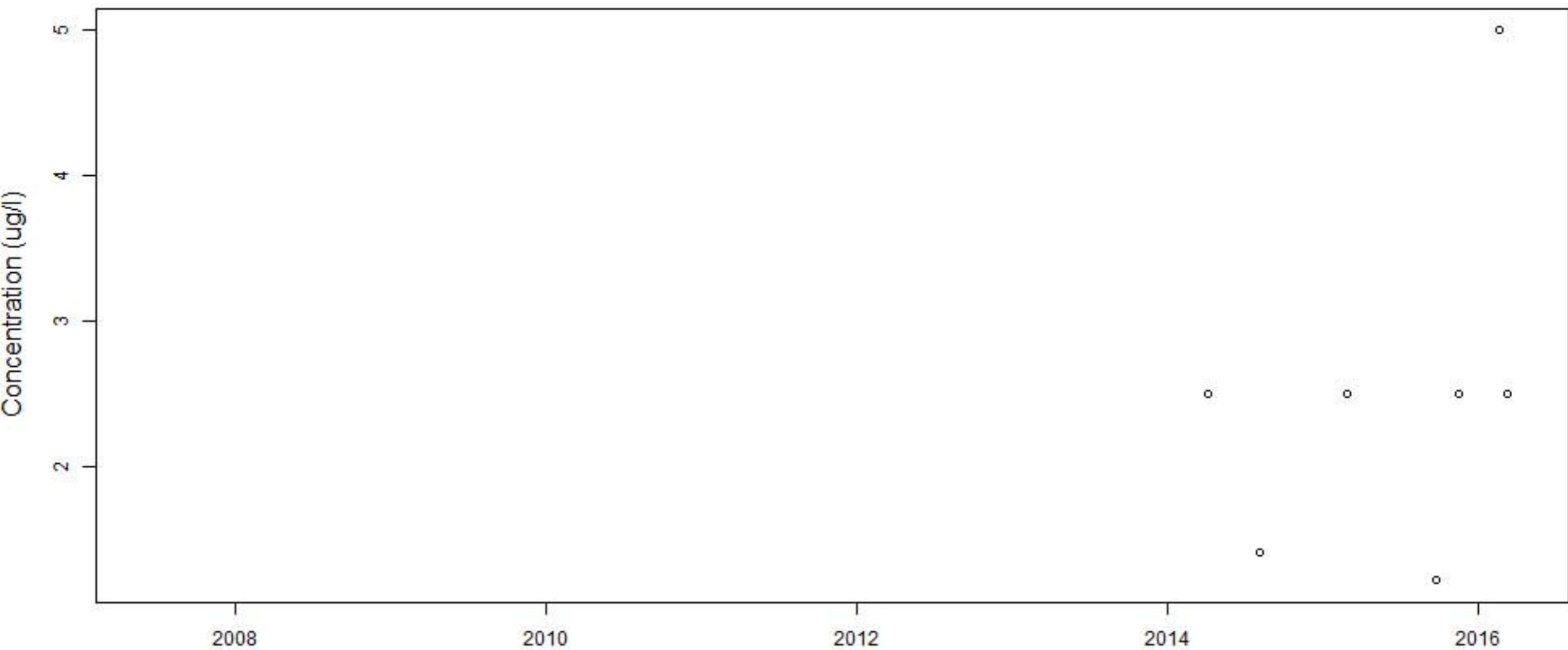
# MILLERS.POND.2



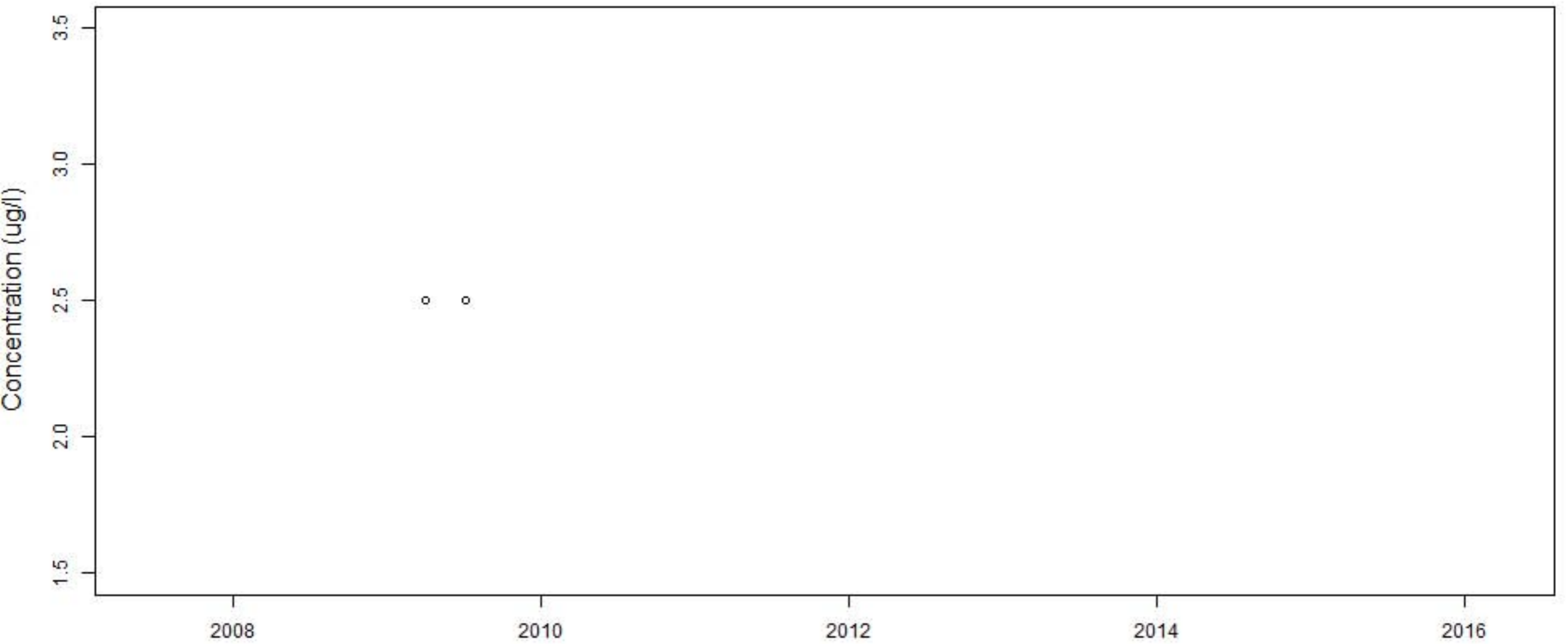
# PALMETTO.DUNES



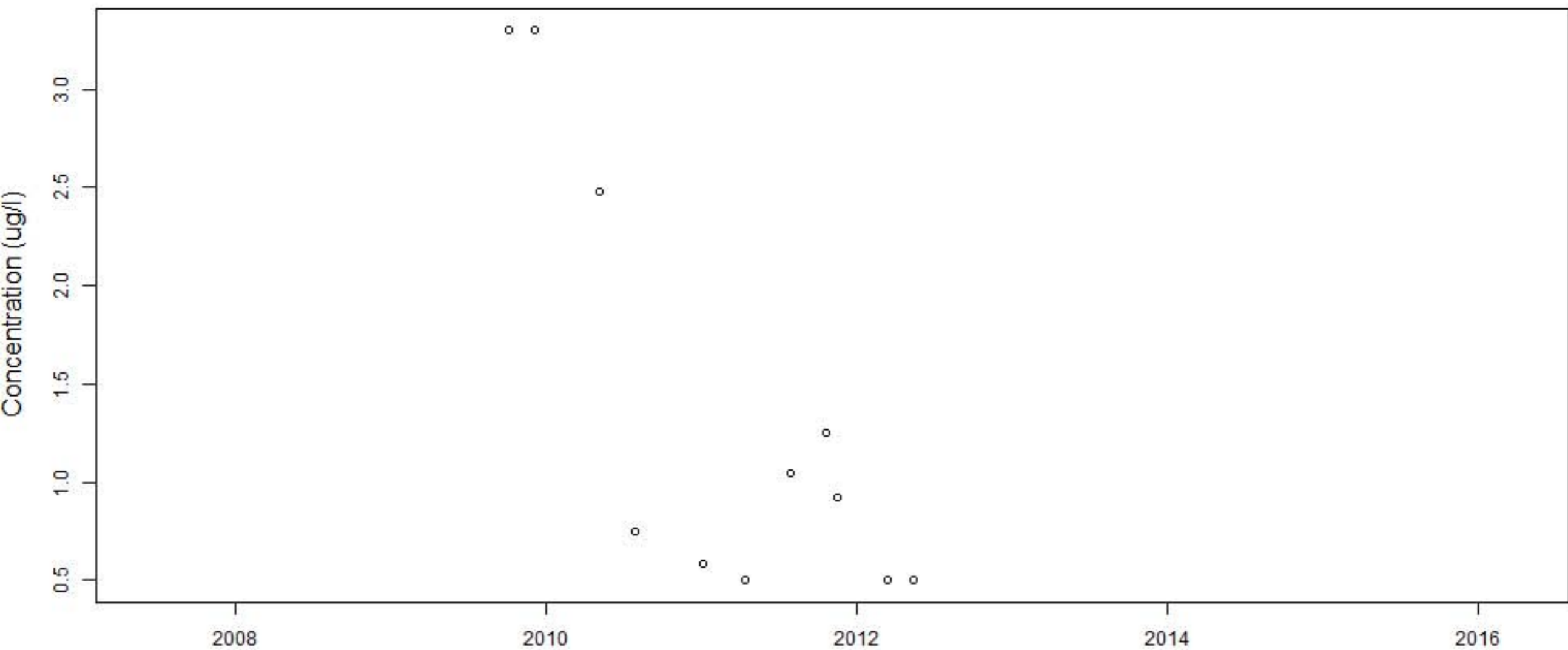
# SINGLETON.BEACH



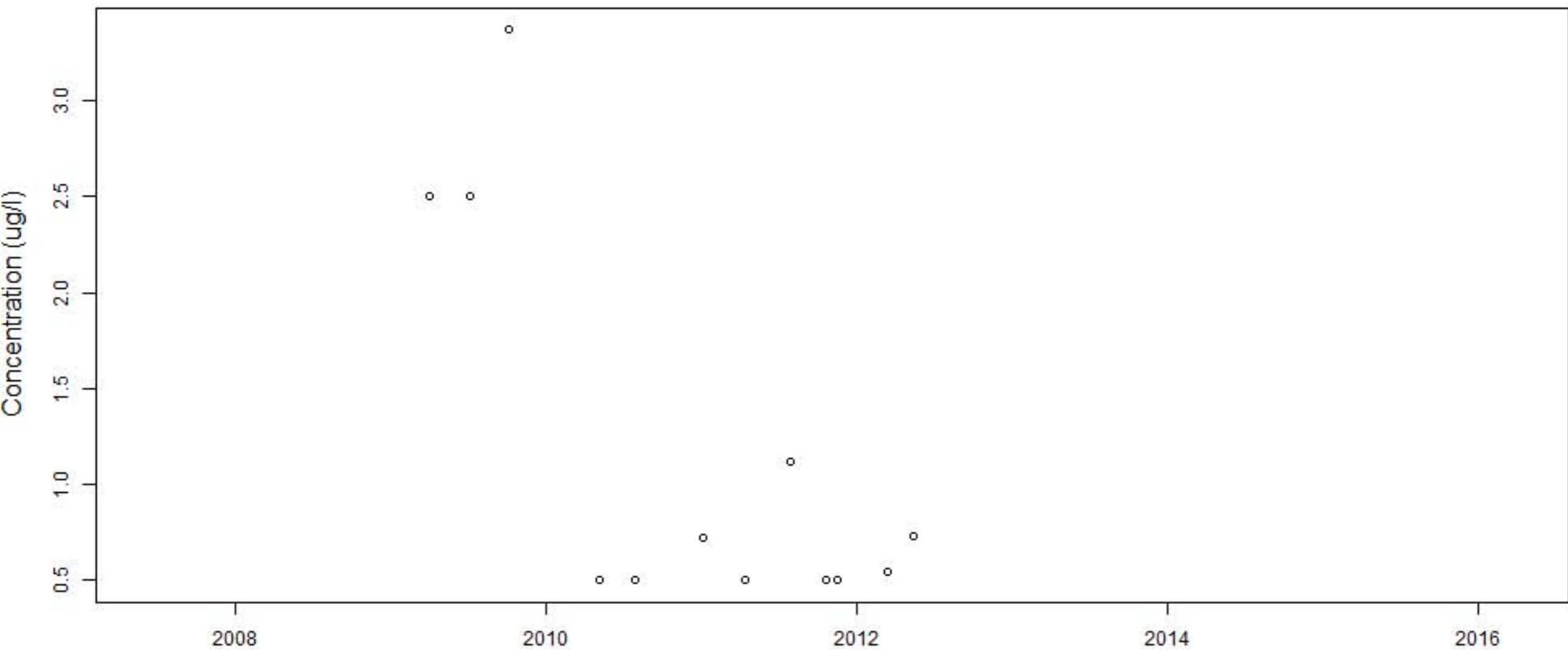
# Southside.Comp



### Southside.Grab.after

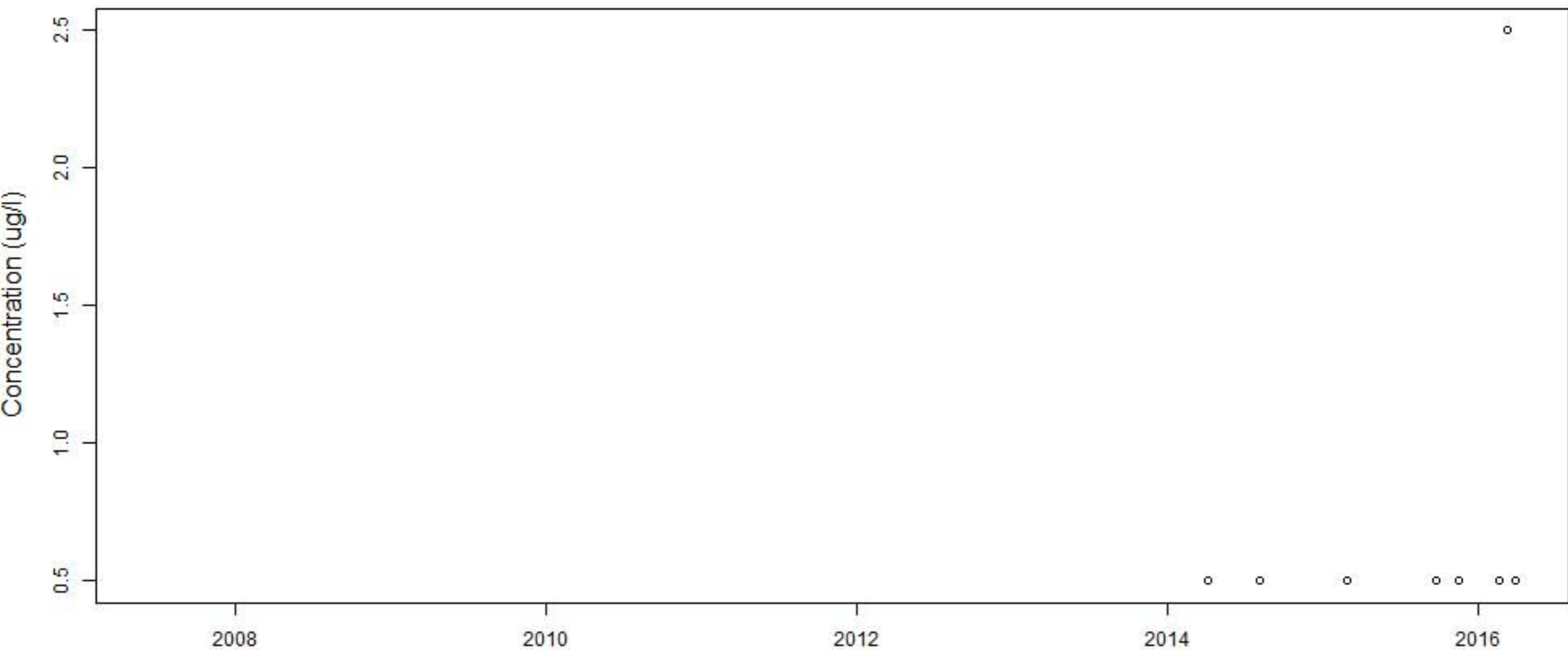


### Southside.Grab

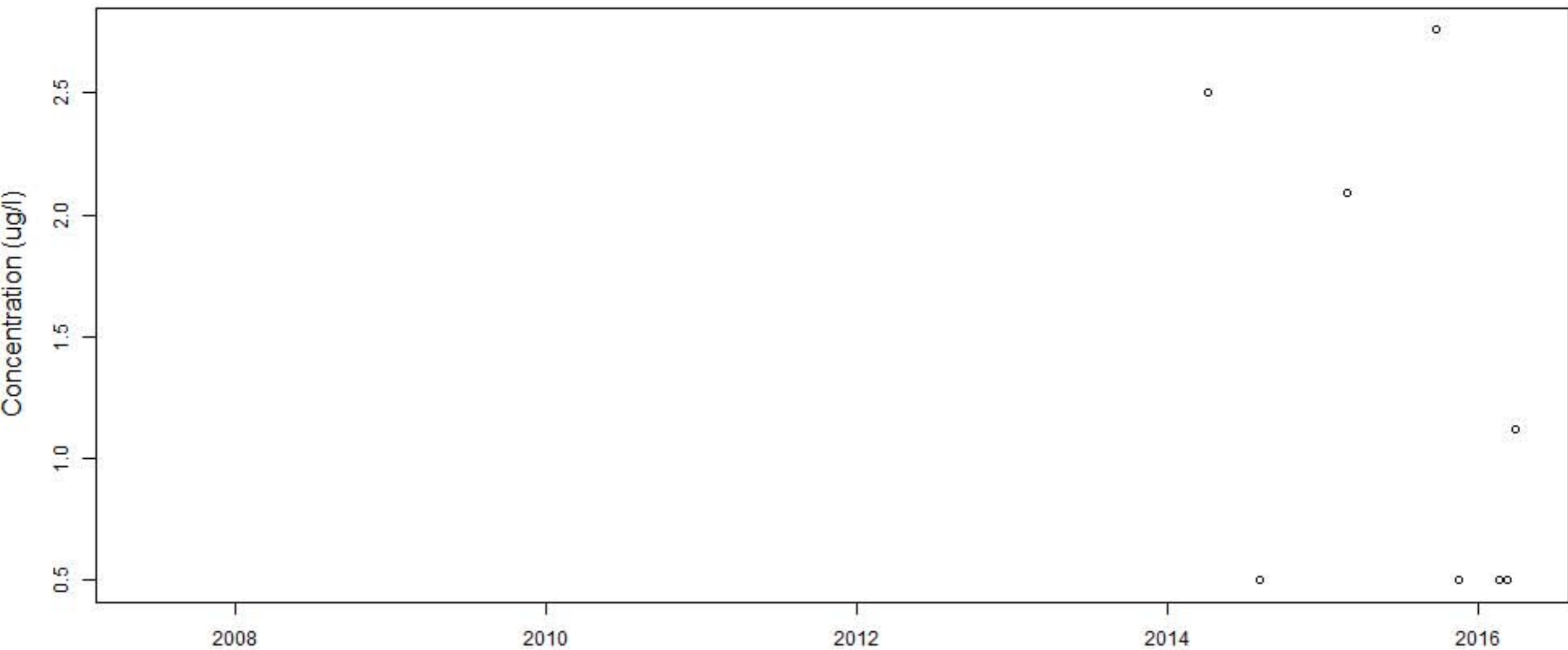




# WEXFORD

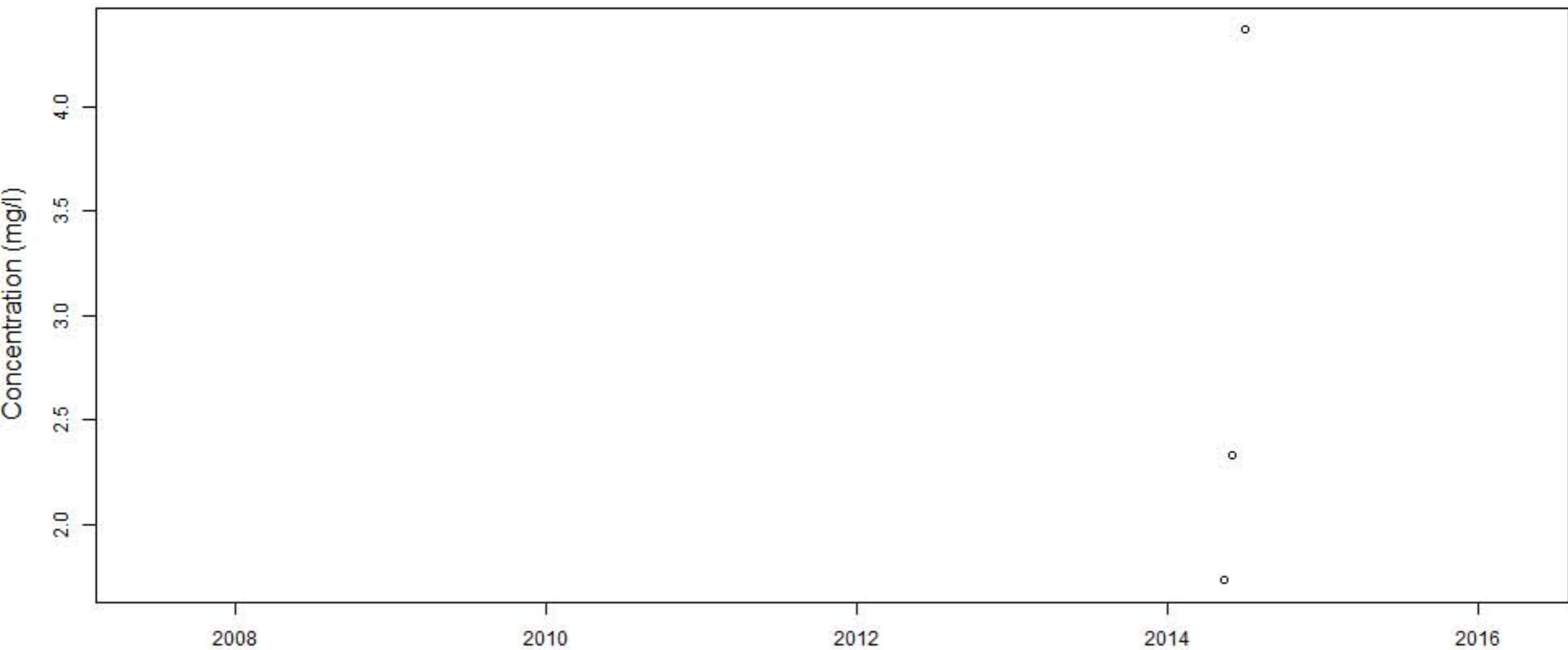


# WILD.HORSE

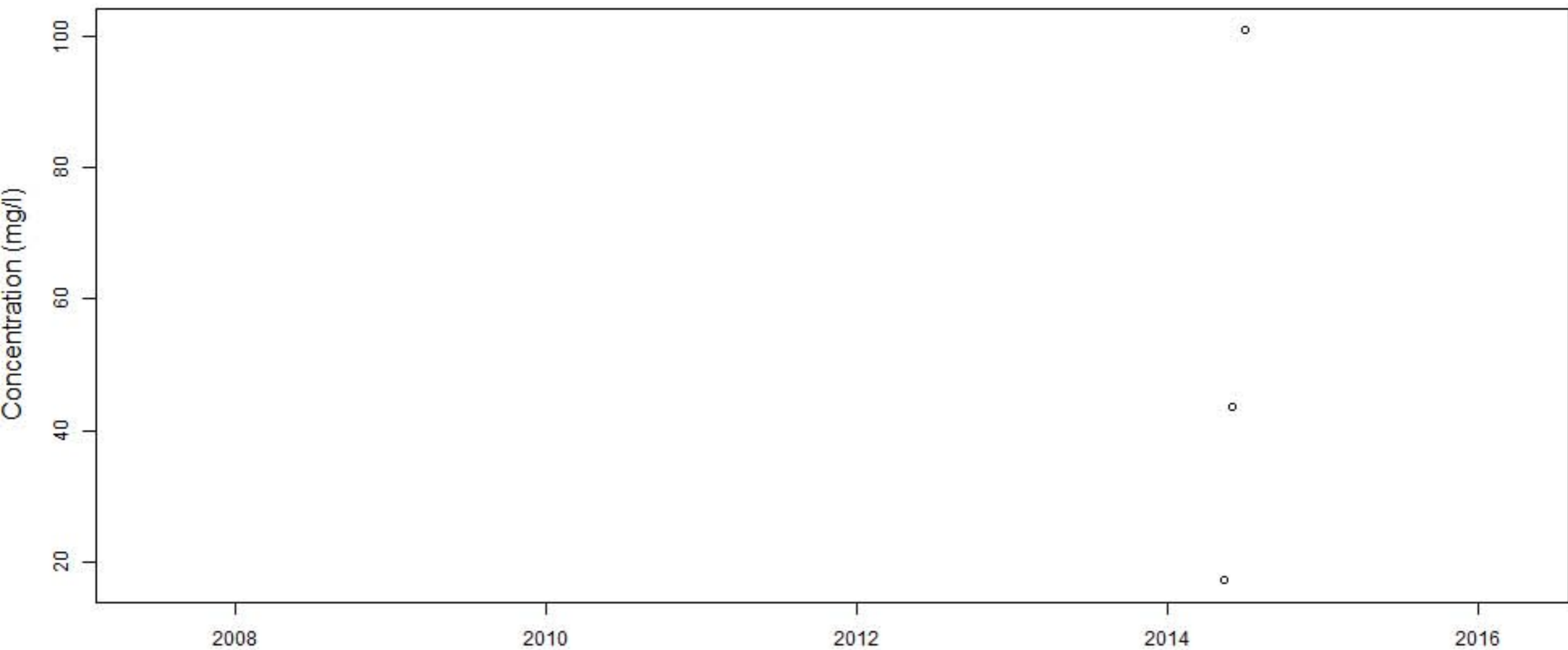


Timeseries of  
Total Kjeldahl Nitrogen  
Water Quality Data  
Collected at  
Beaufort County Stations

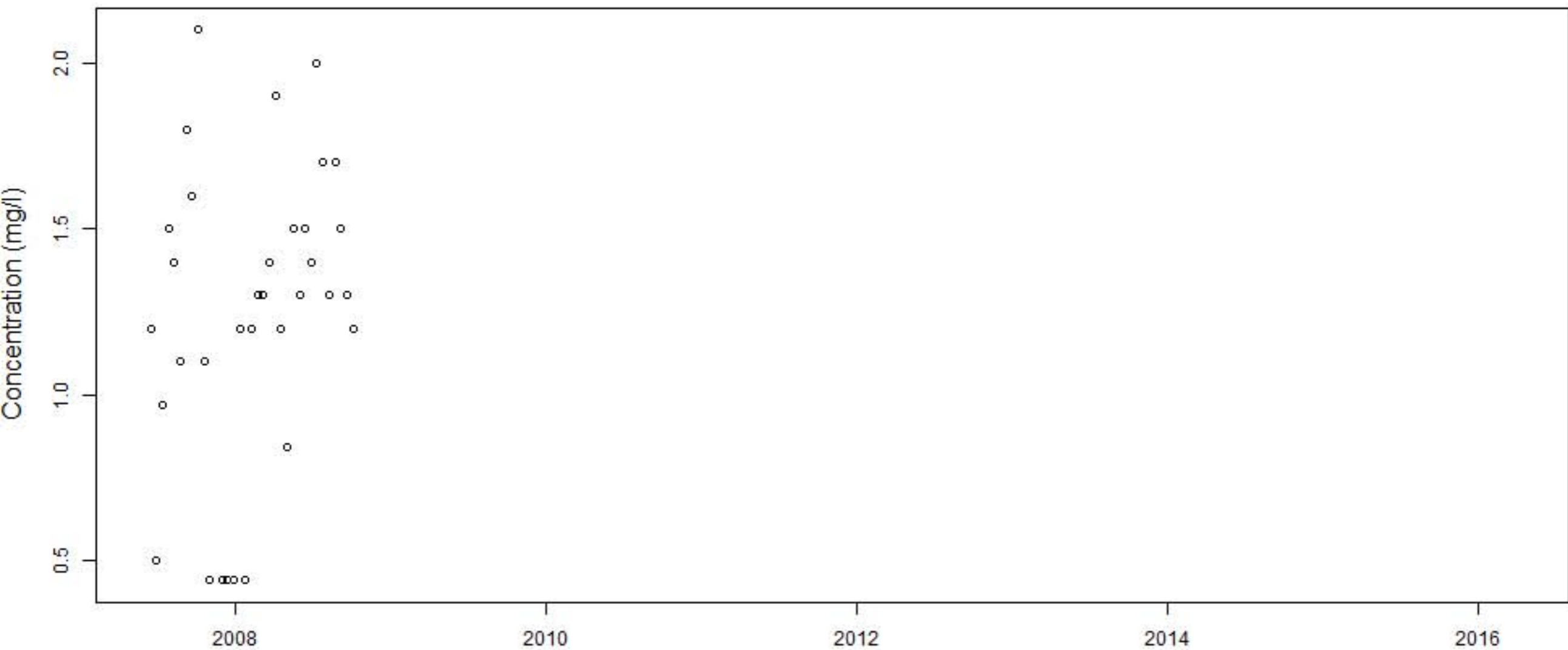
# ARROW.ROAD.101



# ARROW.ROAD.102

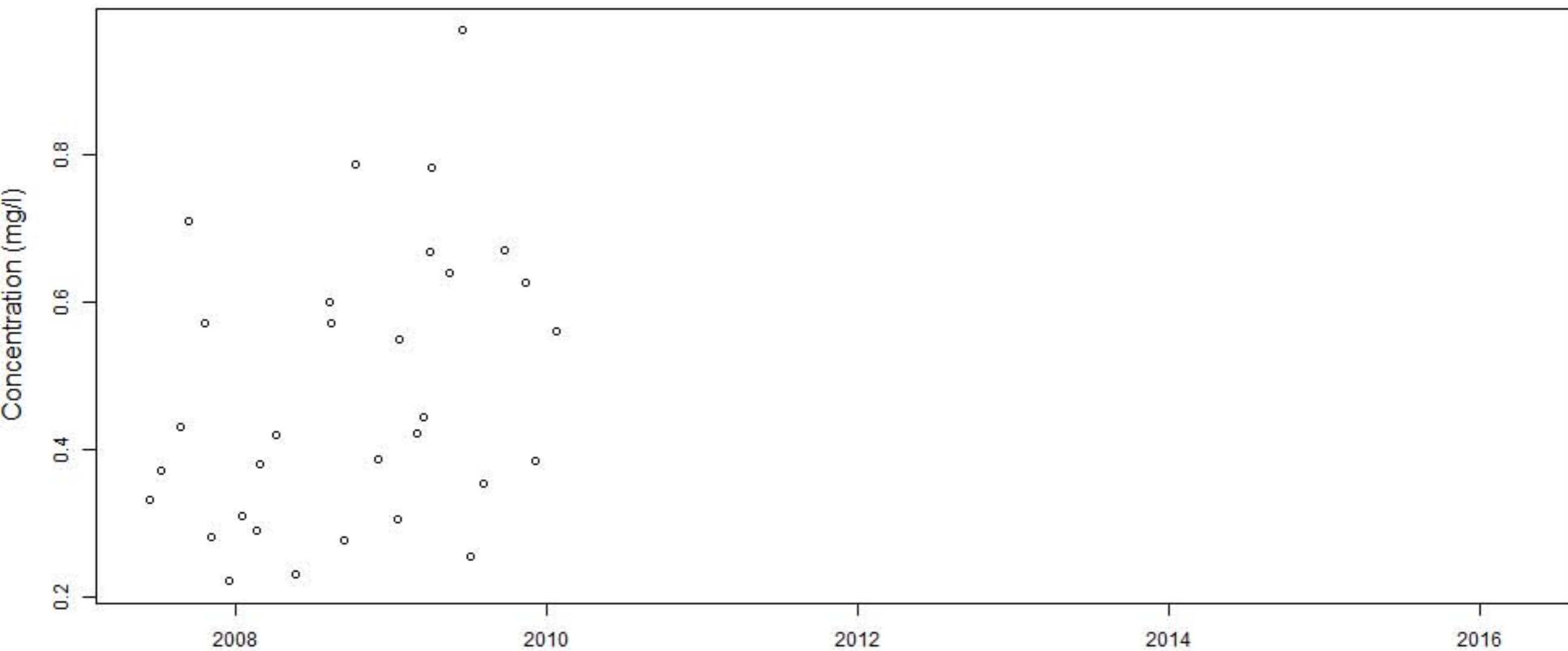


# ASHMORE



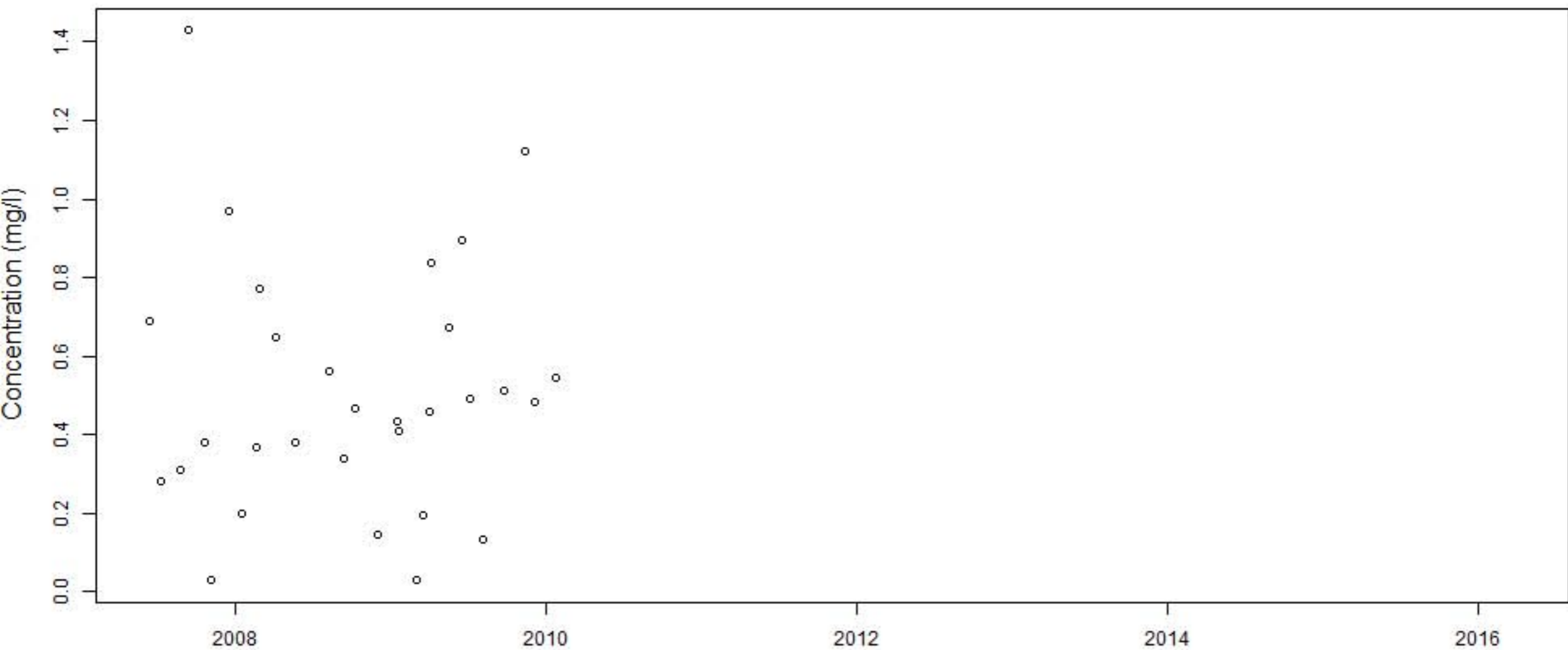


# BECY.10

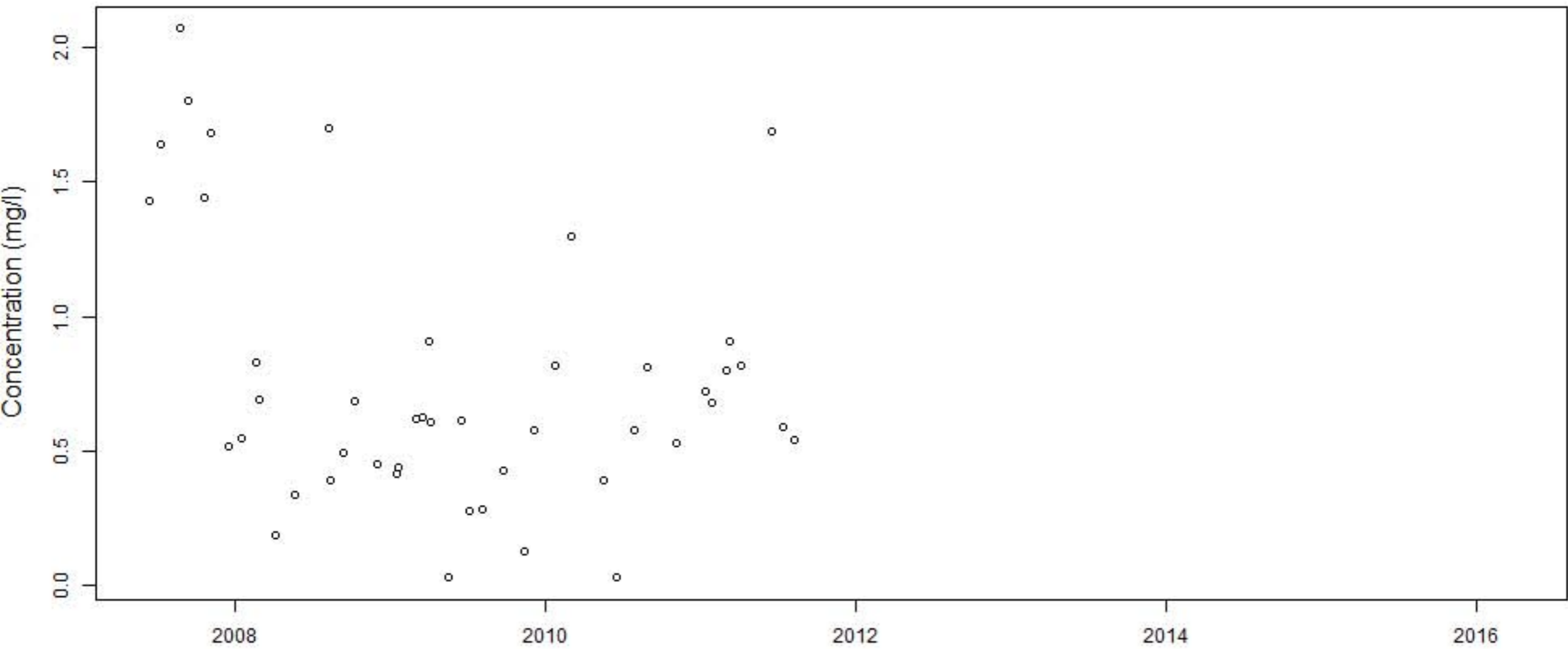




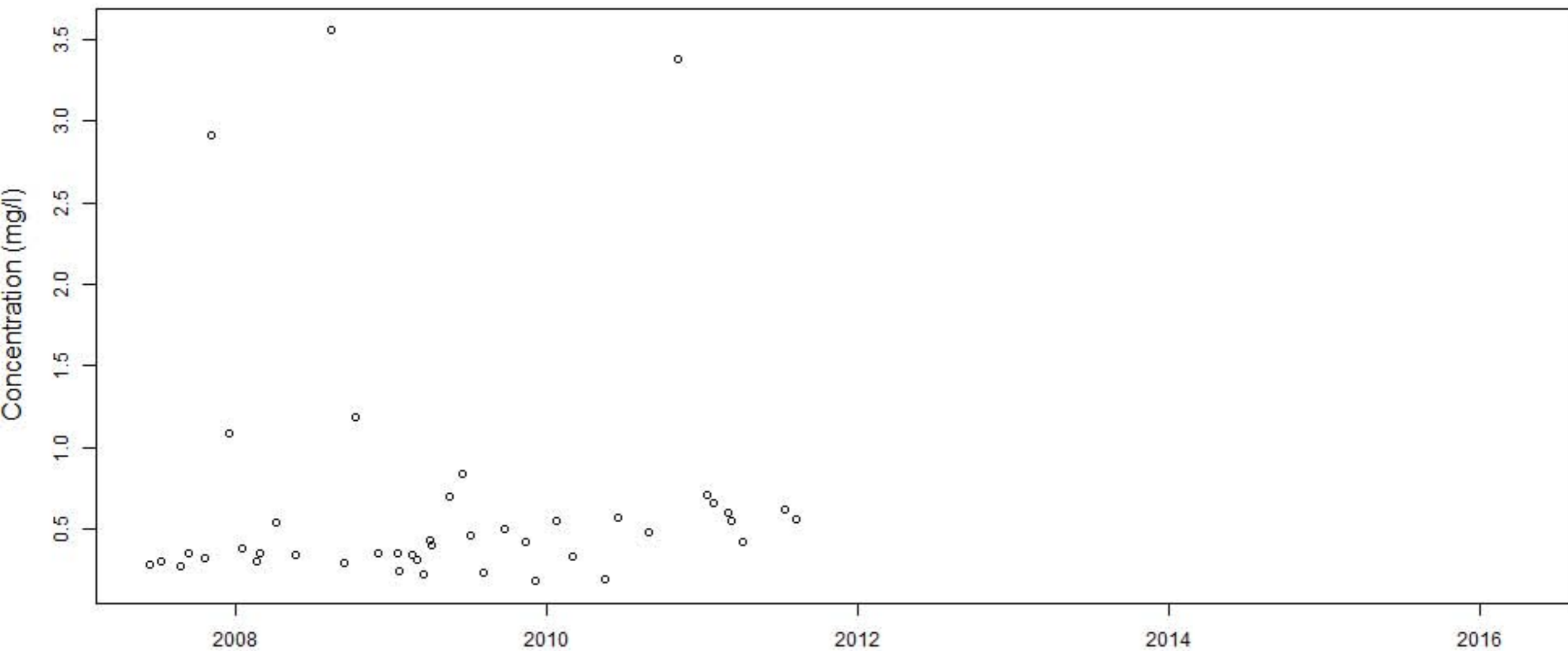
# BECY.11



# BECY.12

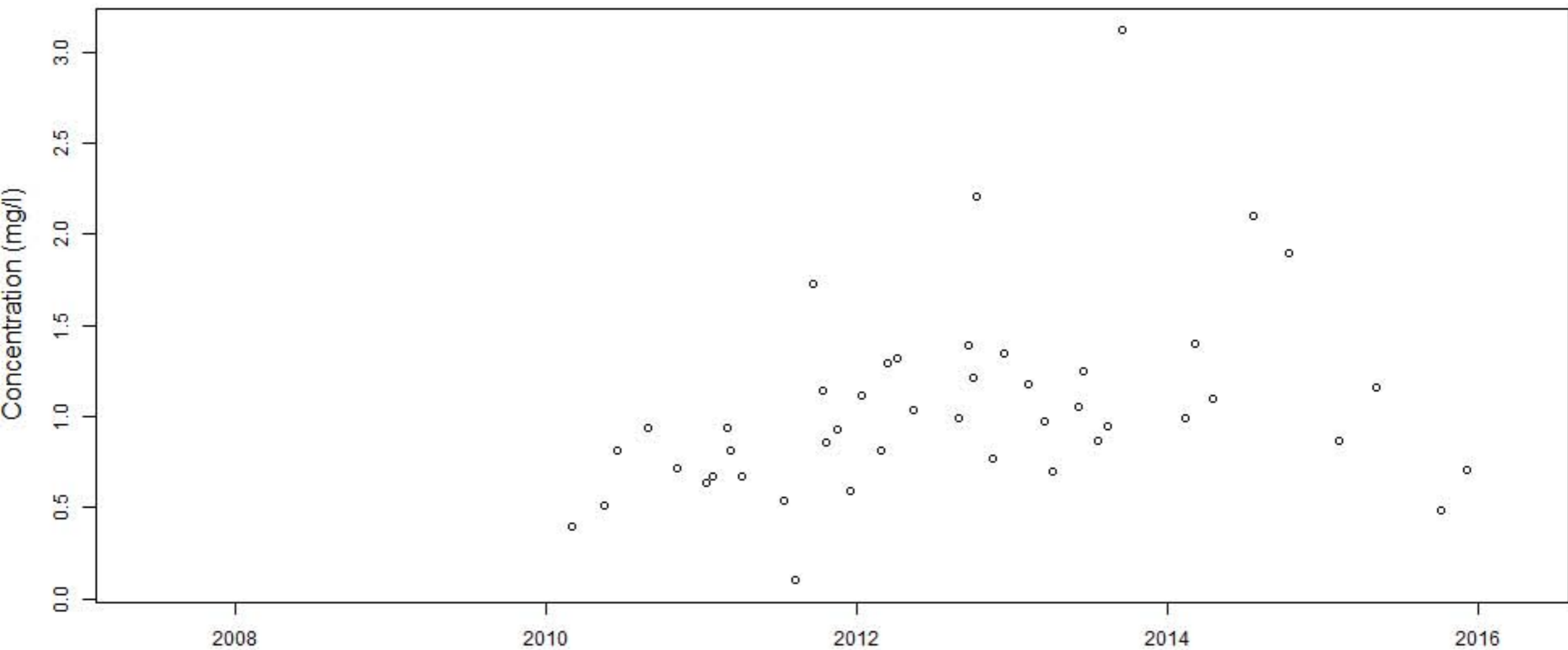


# BECY.13

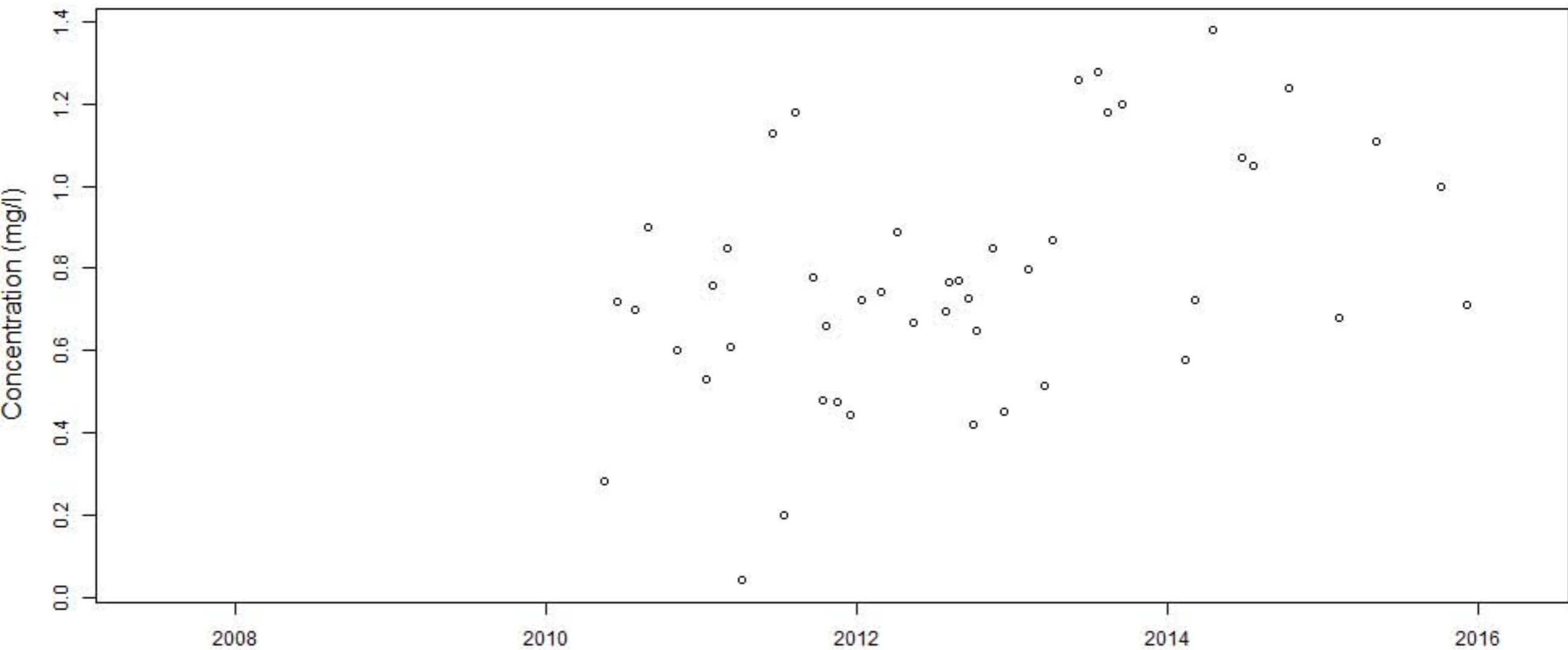




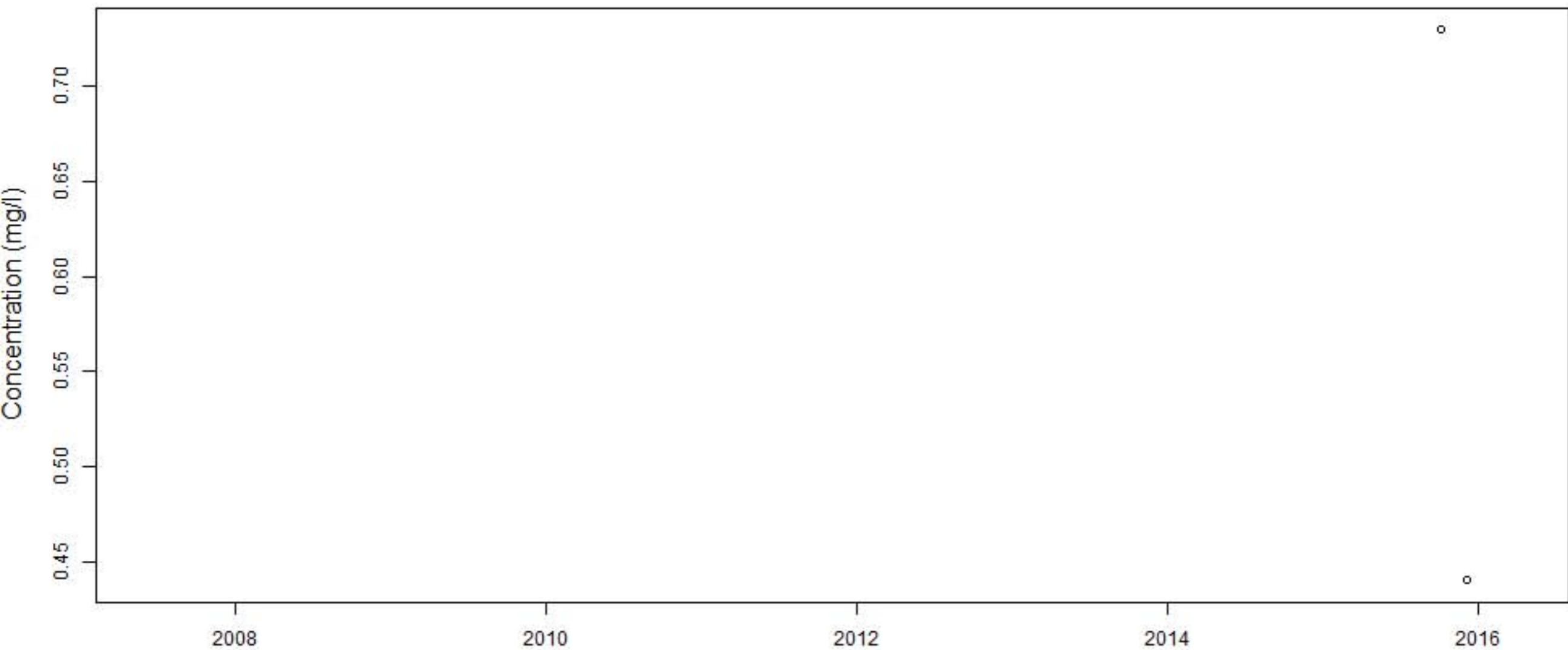
# BECY.15



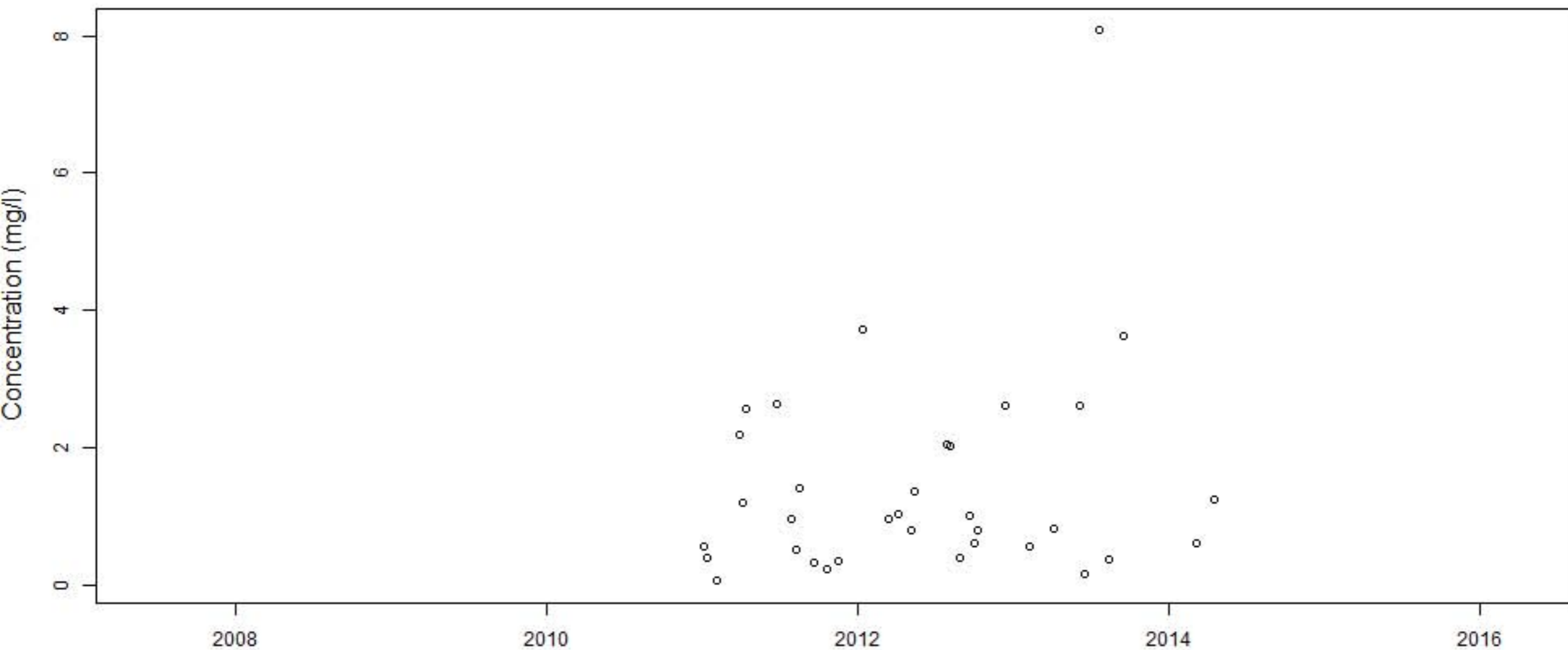
# BECY.16



# BECY.17

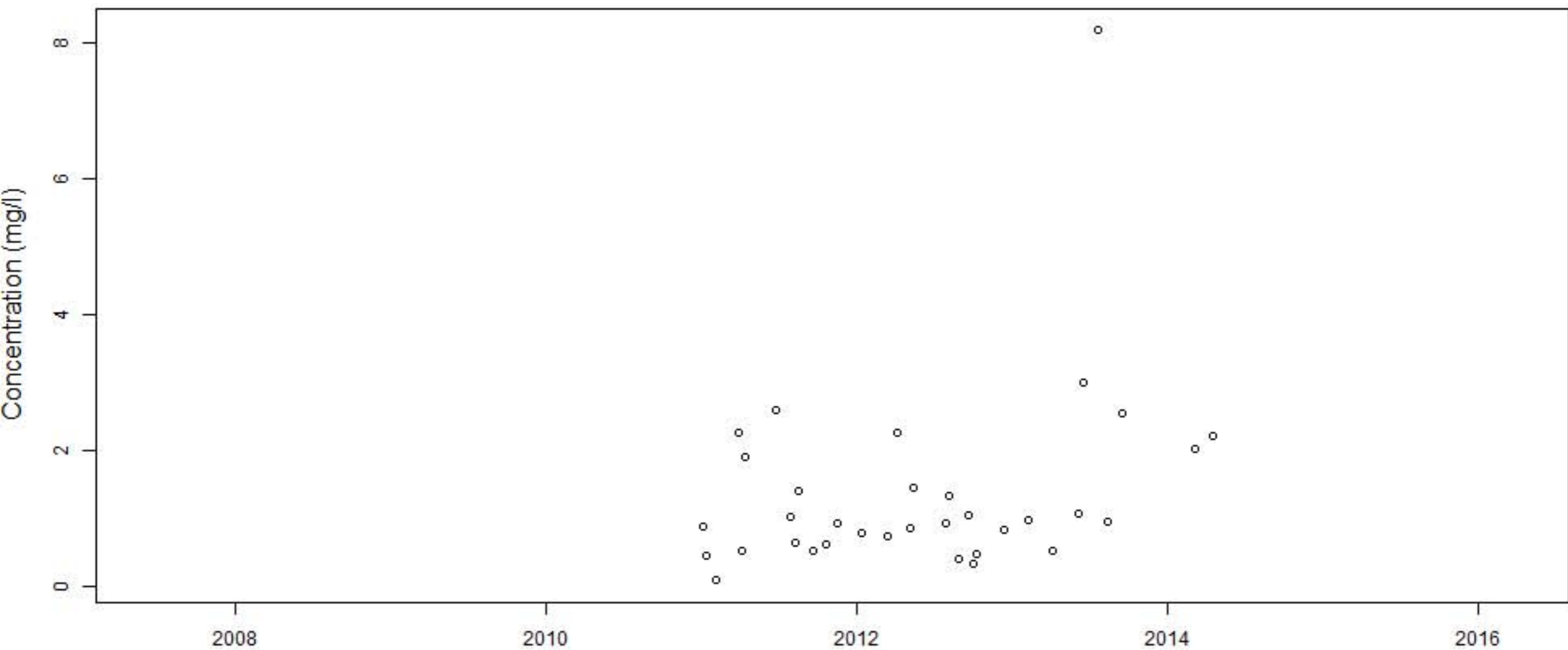


BECY.17a.After

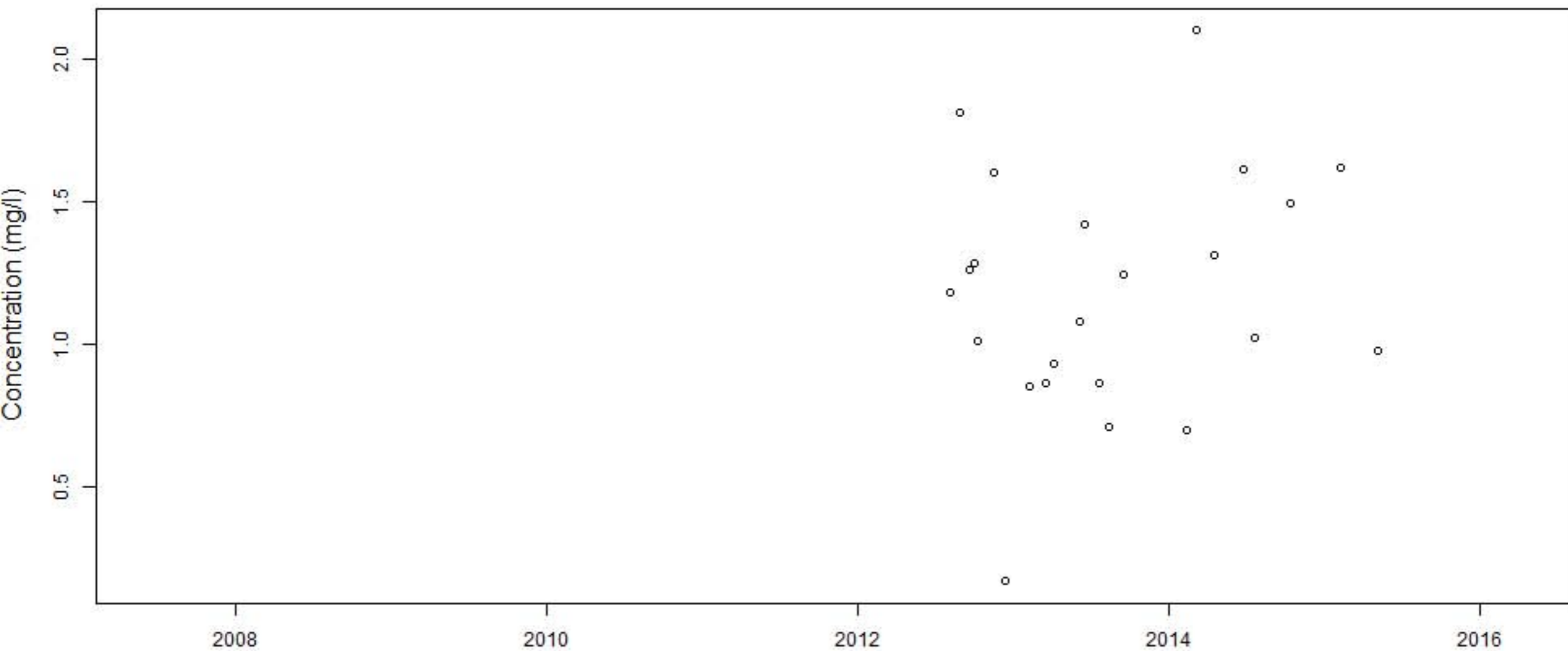




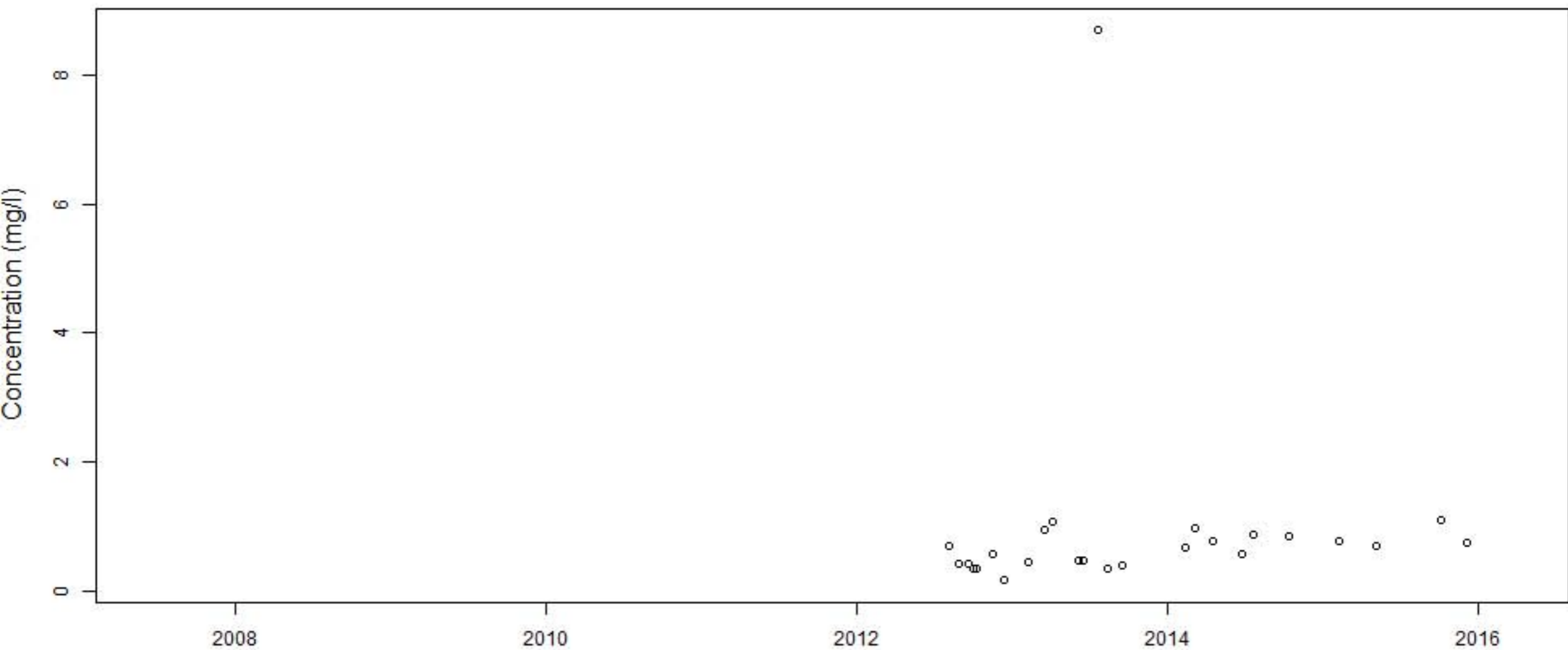
BECY.17a.Grab



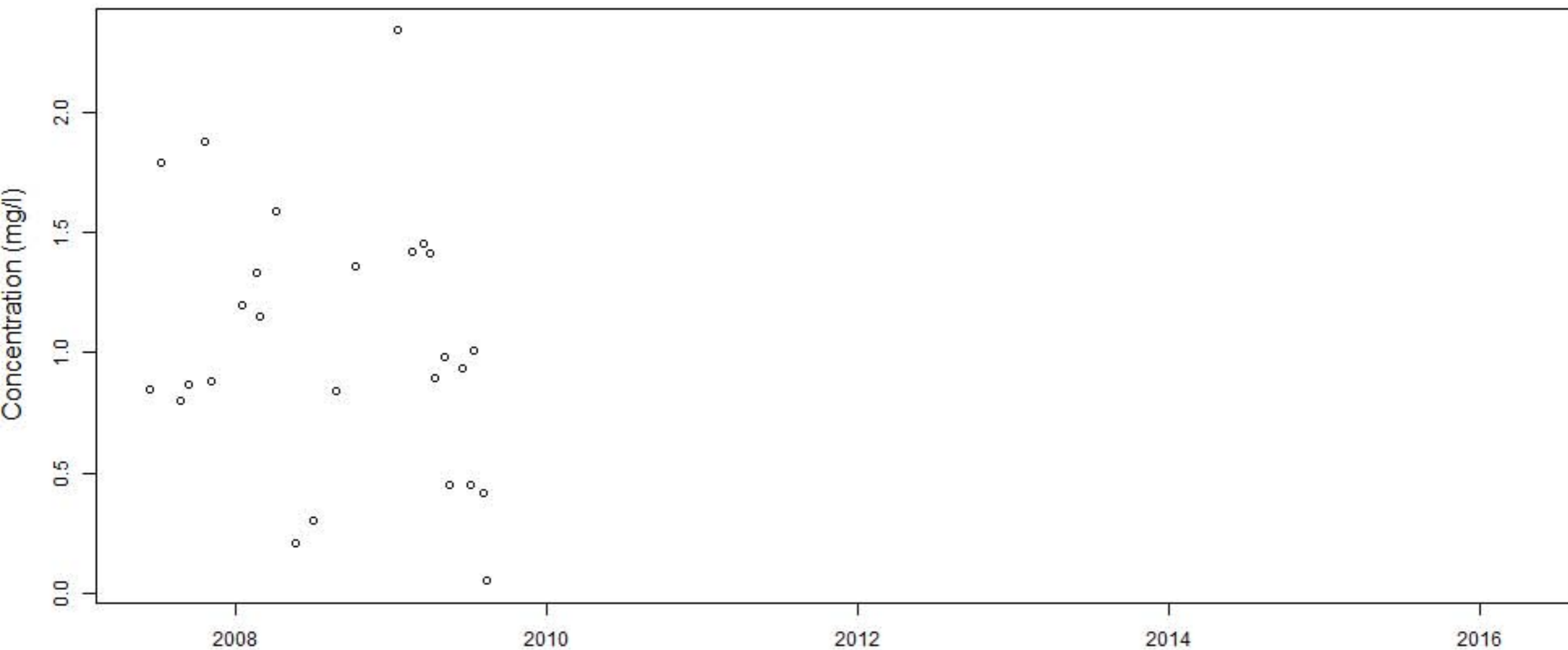
# BECY.18



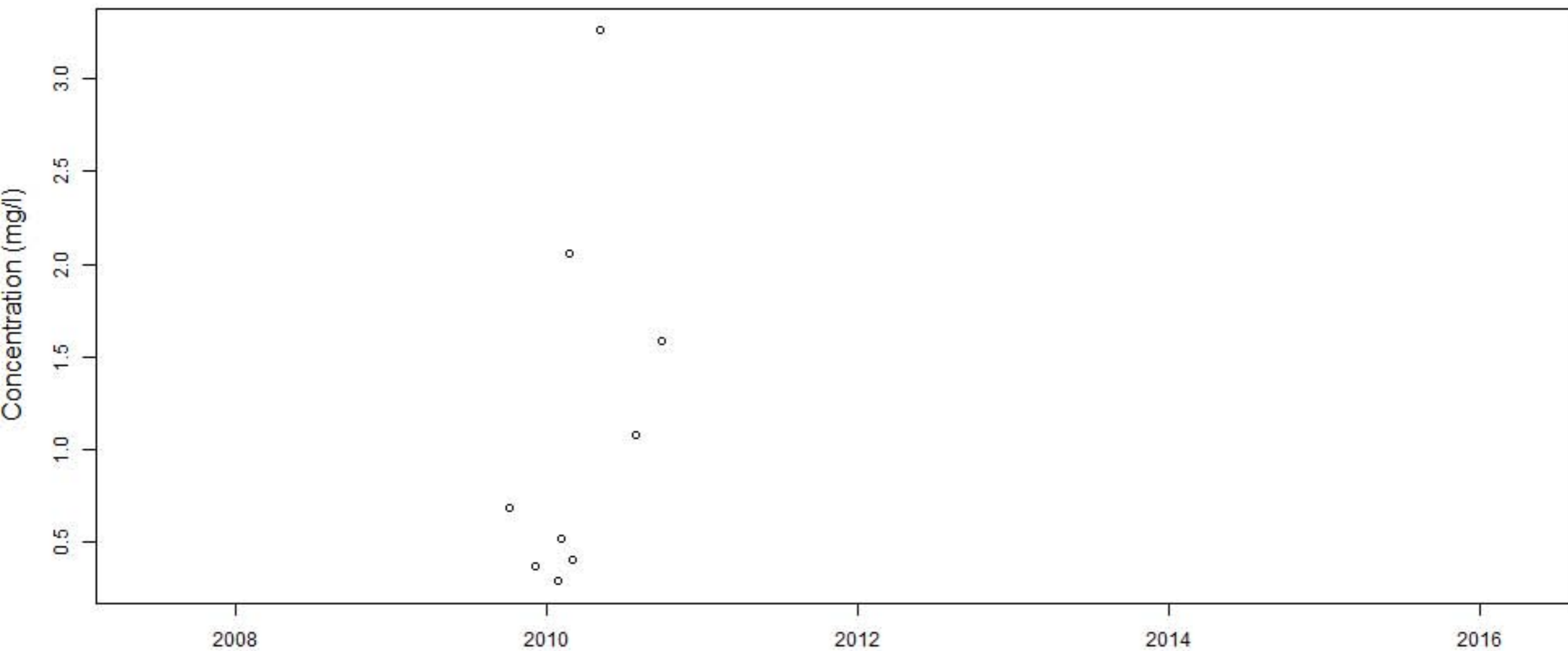
# BECY.19



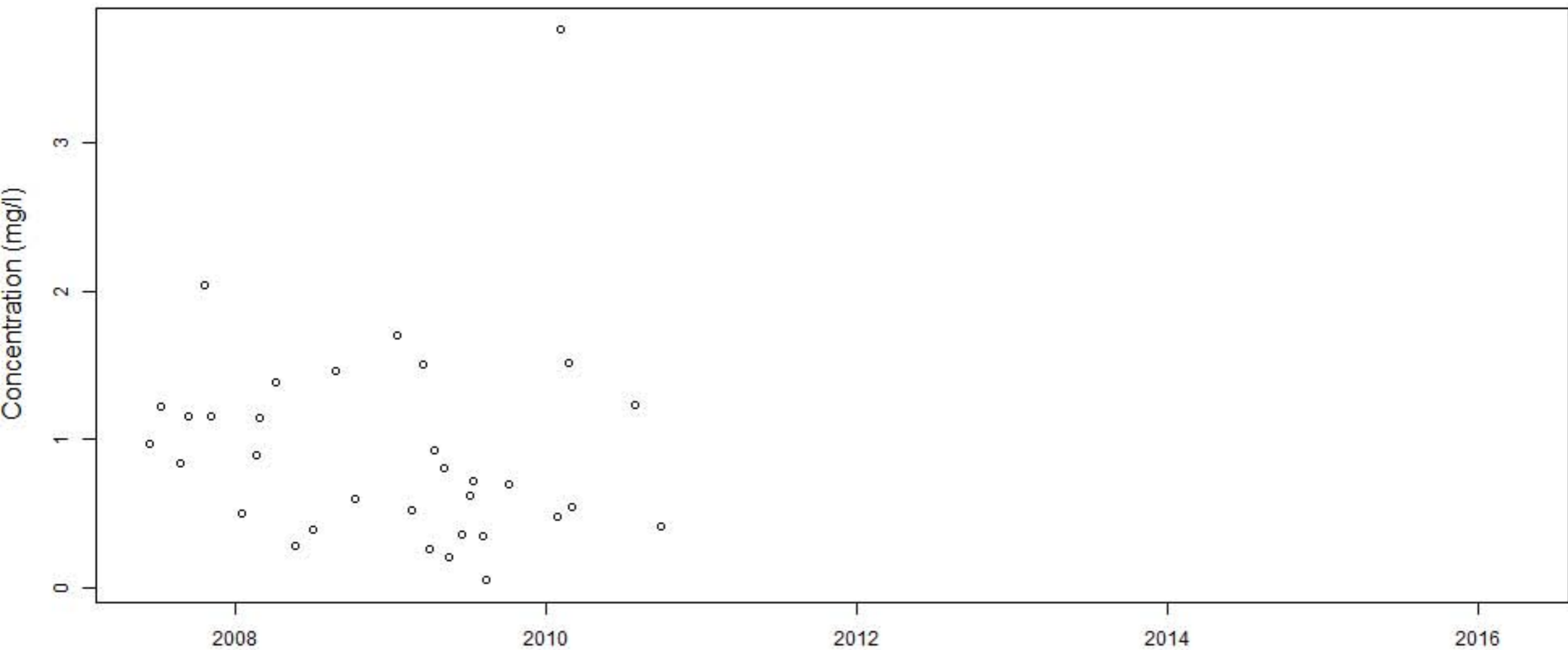
# BECY.1a.Comp



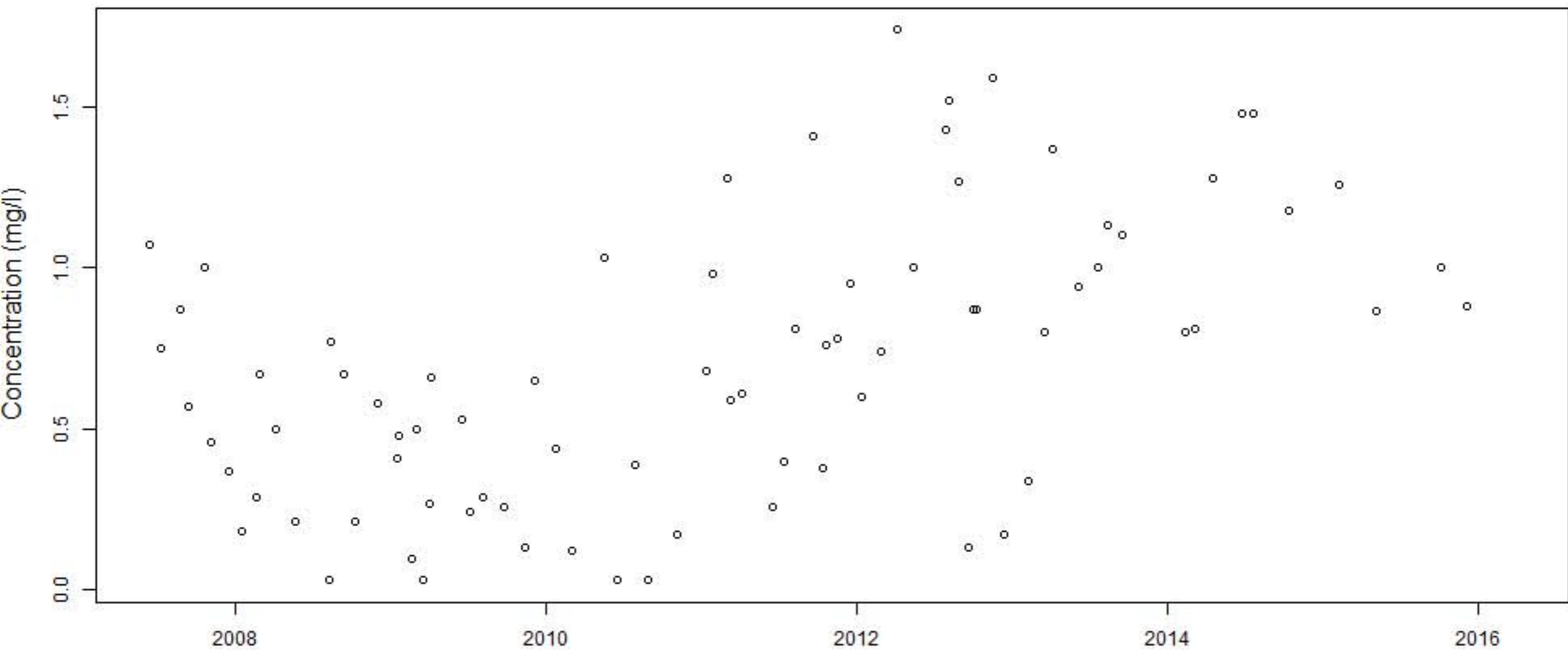
**BECY.1a.Grab.After**



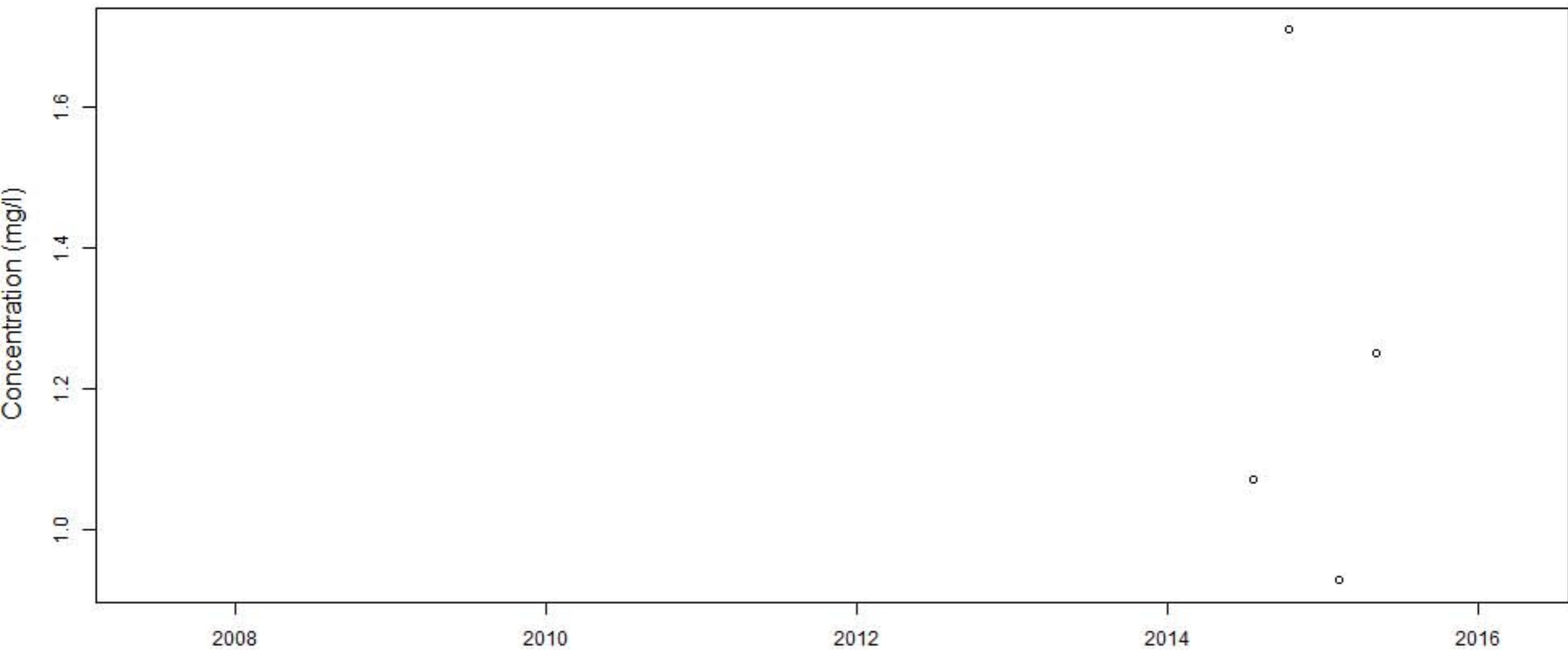
# BECY.1a.Grab



# BECY.2

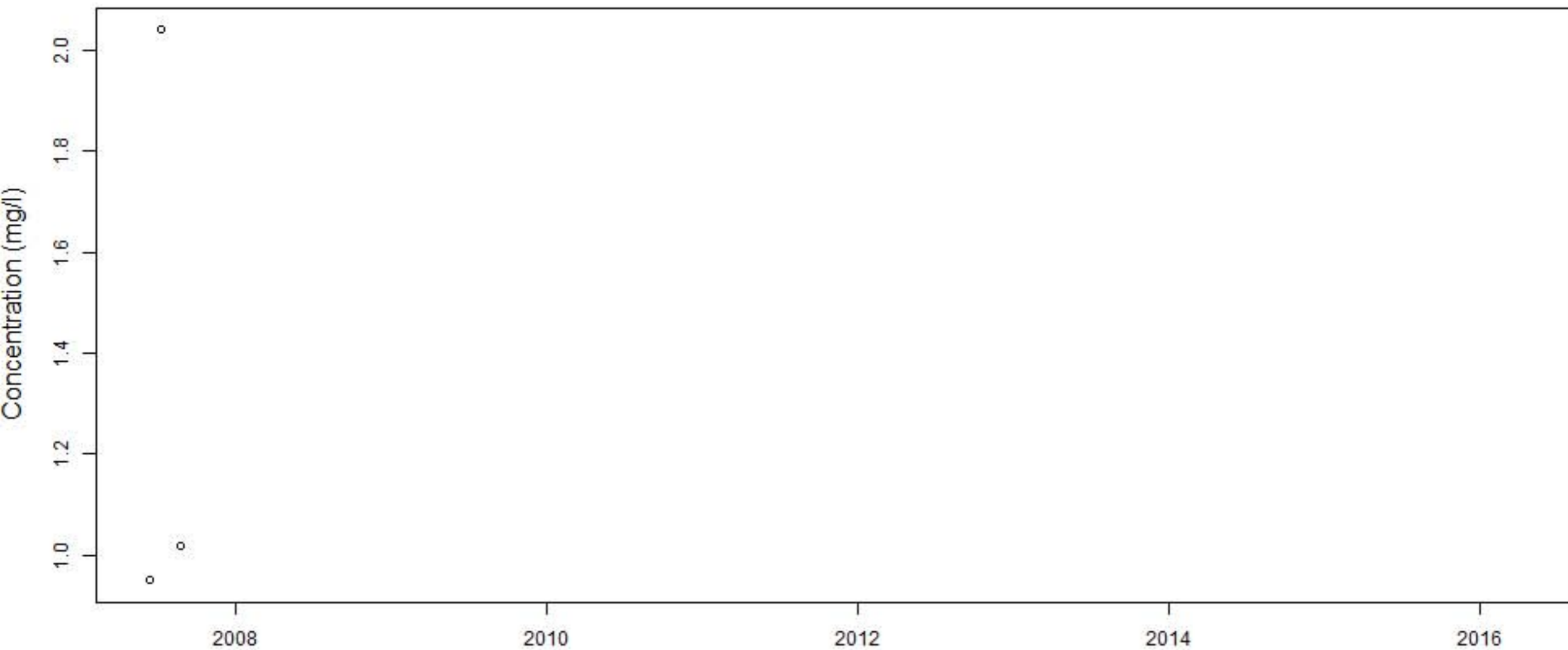


# BECY.20

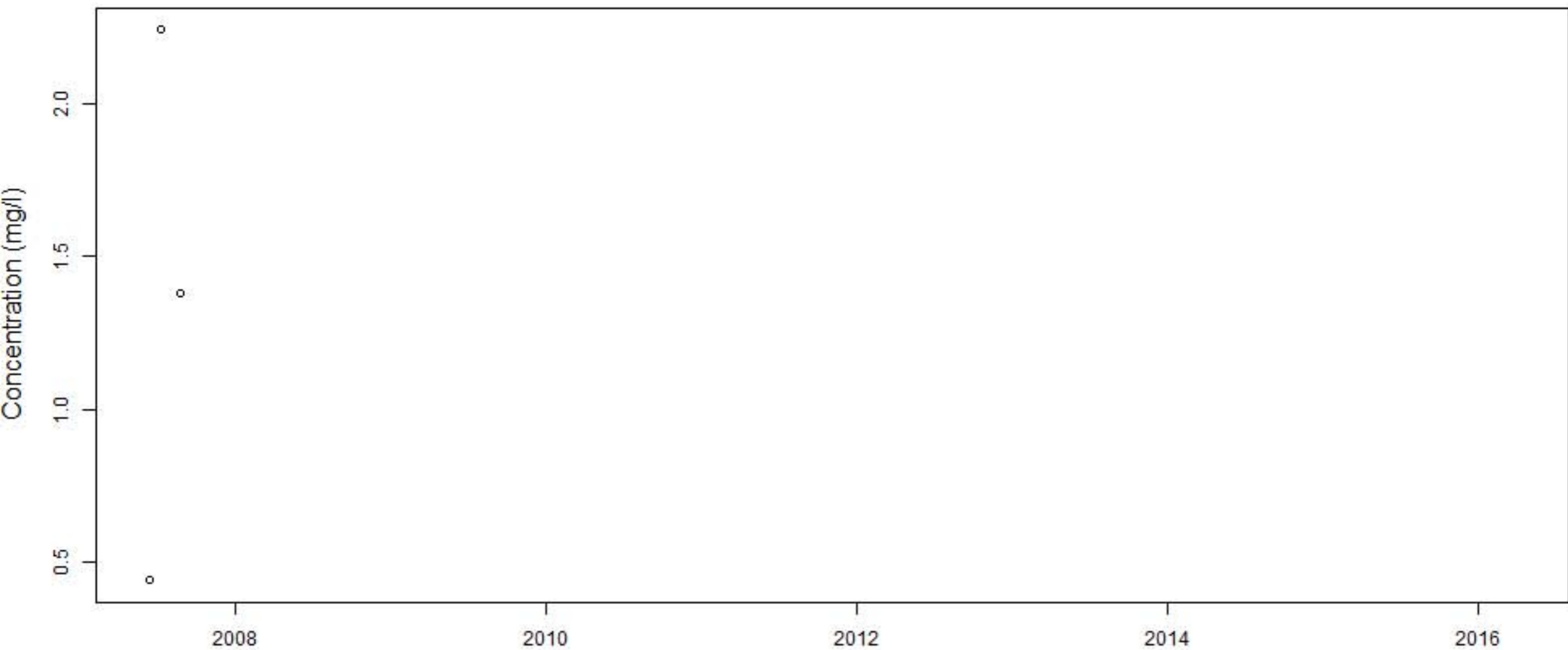




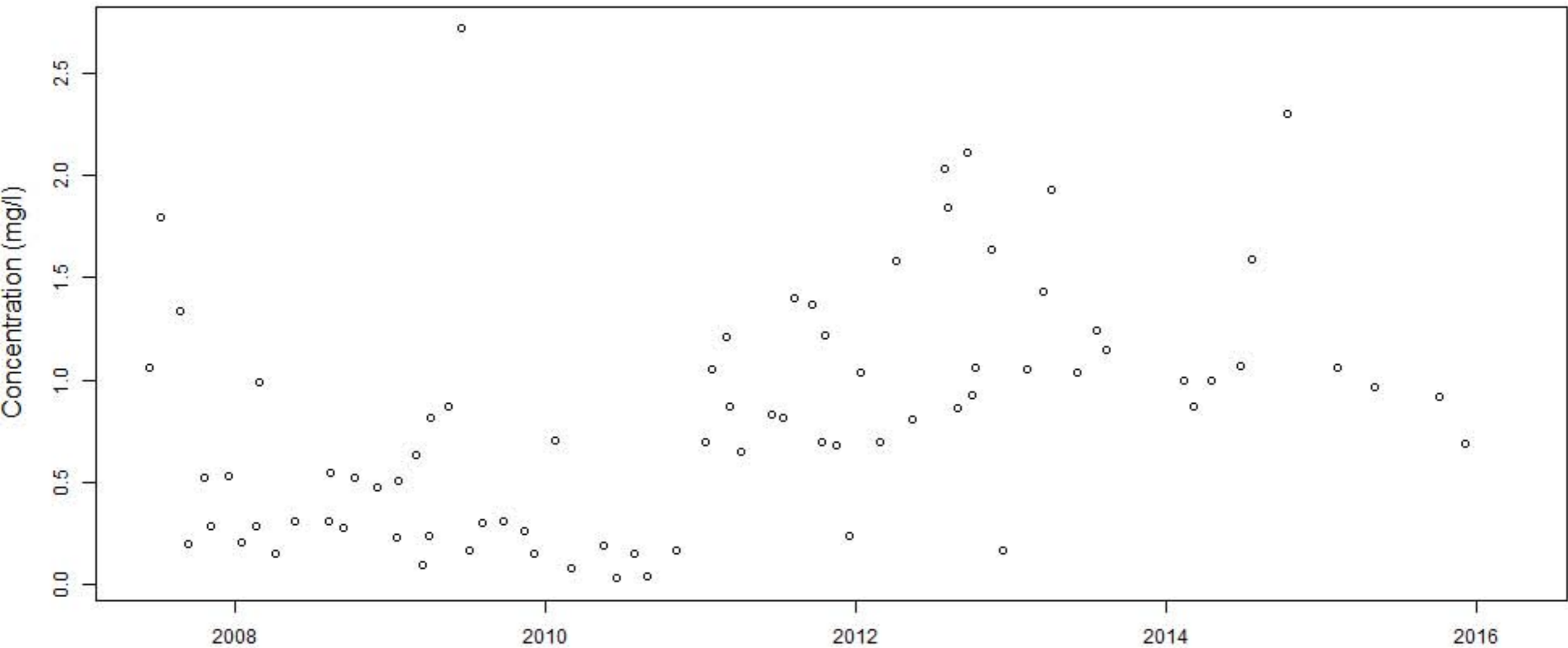
# BECY.2a.Comp



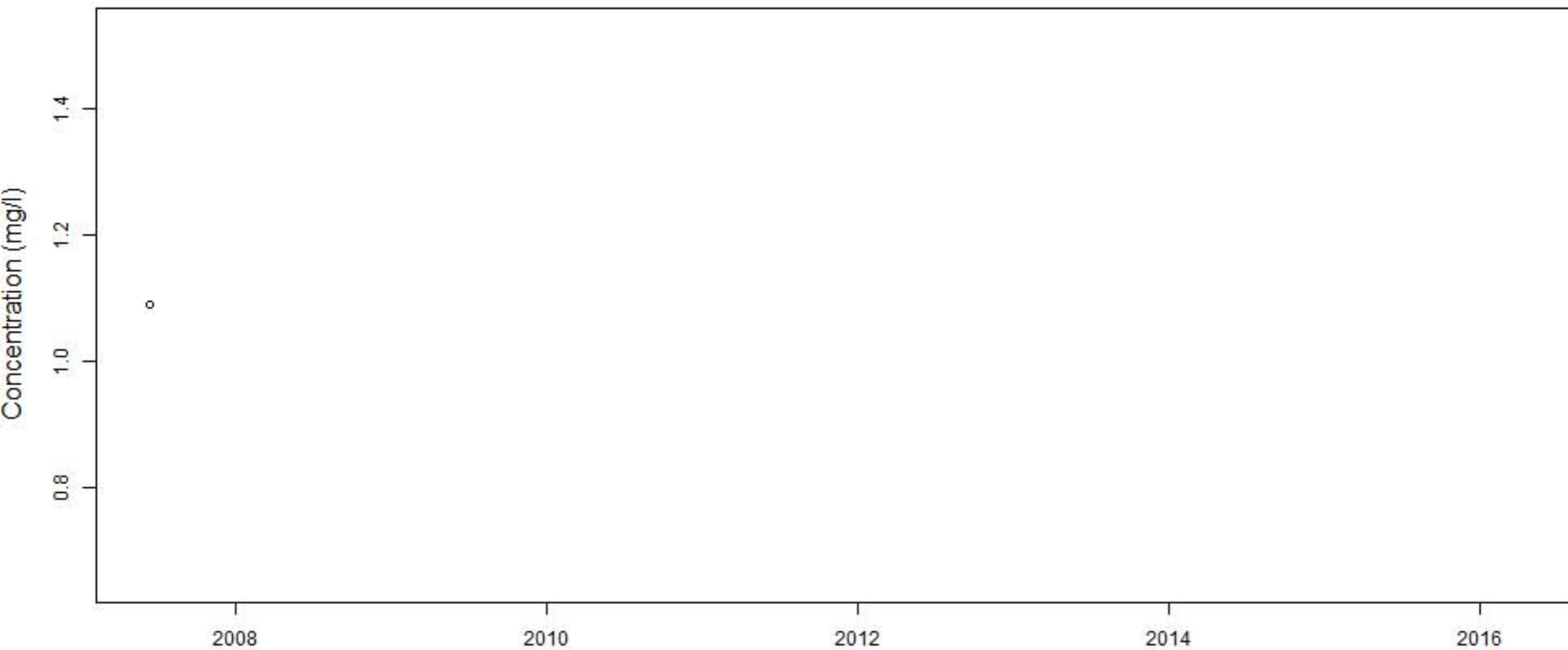
# BECY.2a.Grab



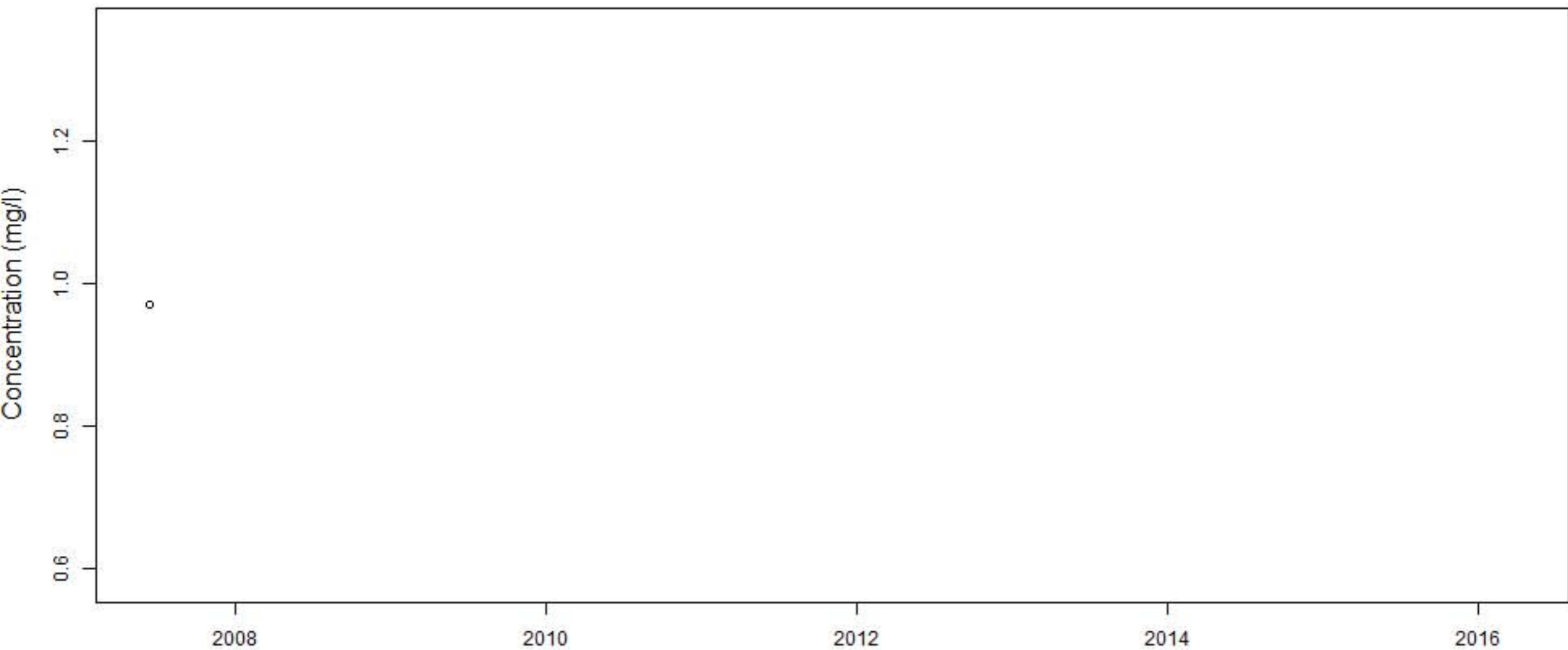
# BECY.3



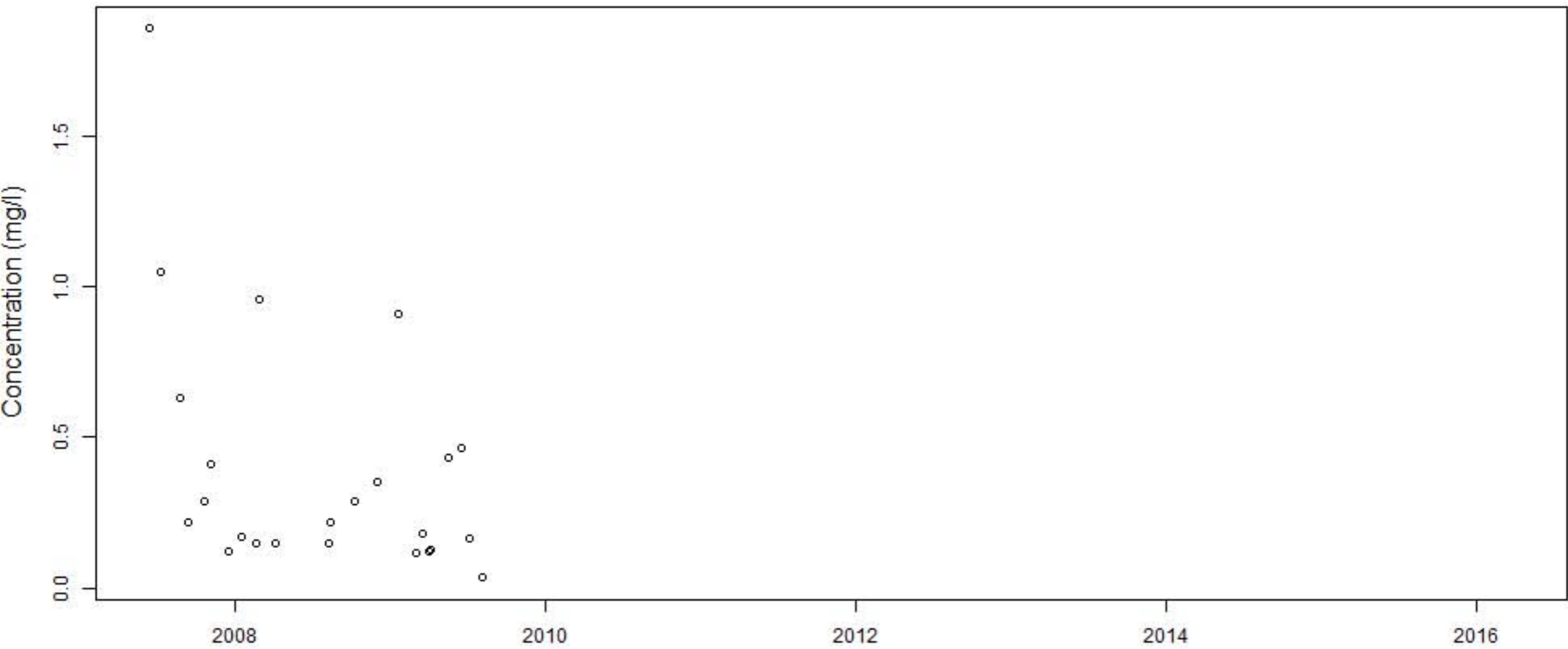
# BECY.3a.Comp



# BECY.3a.Grab

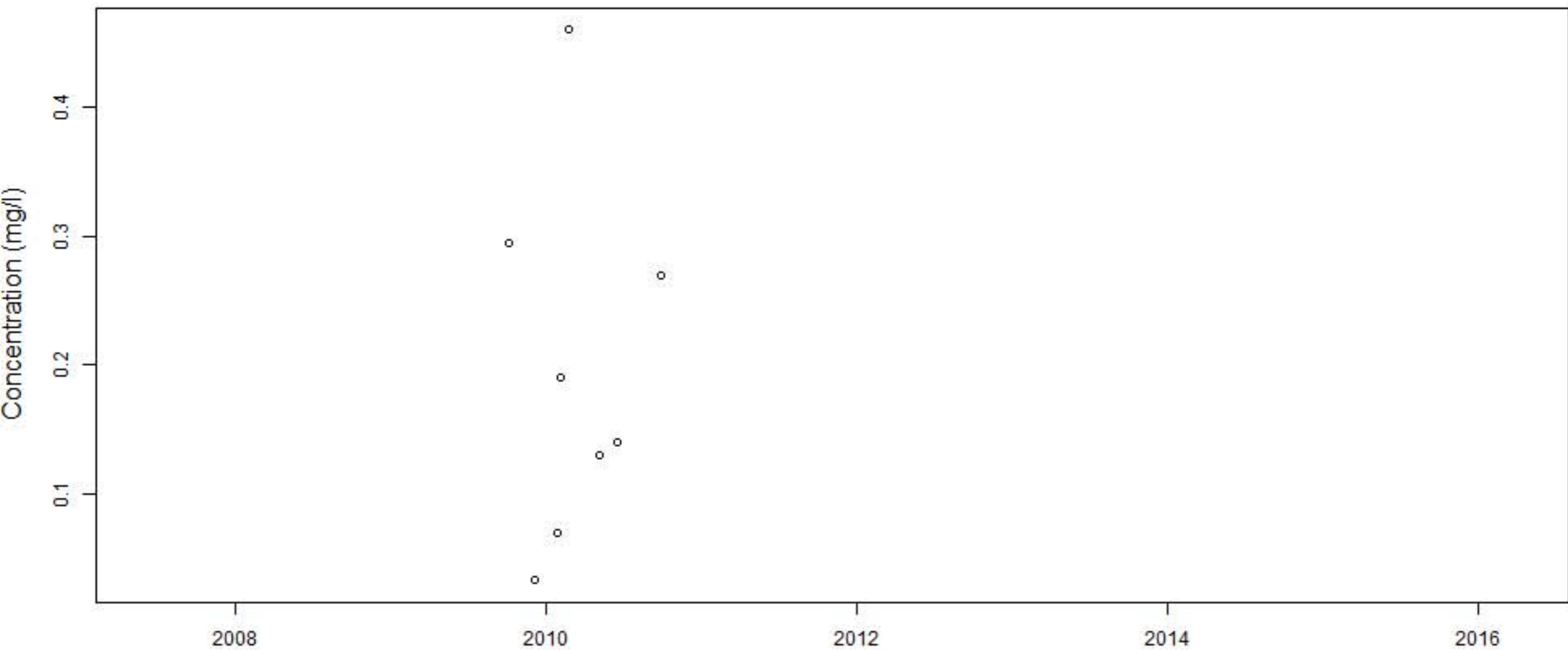


# BECY.4



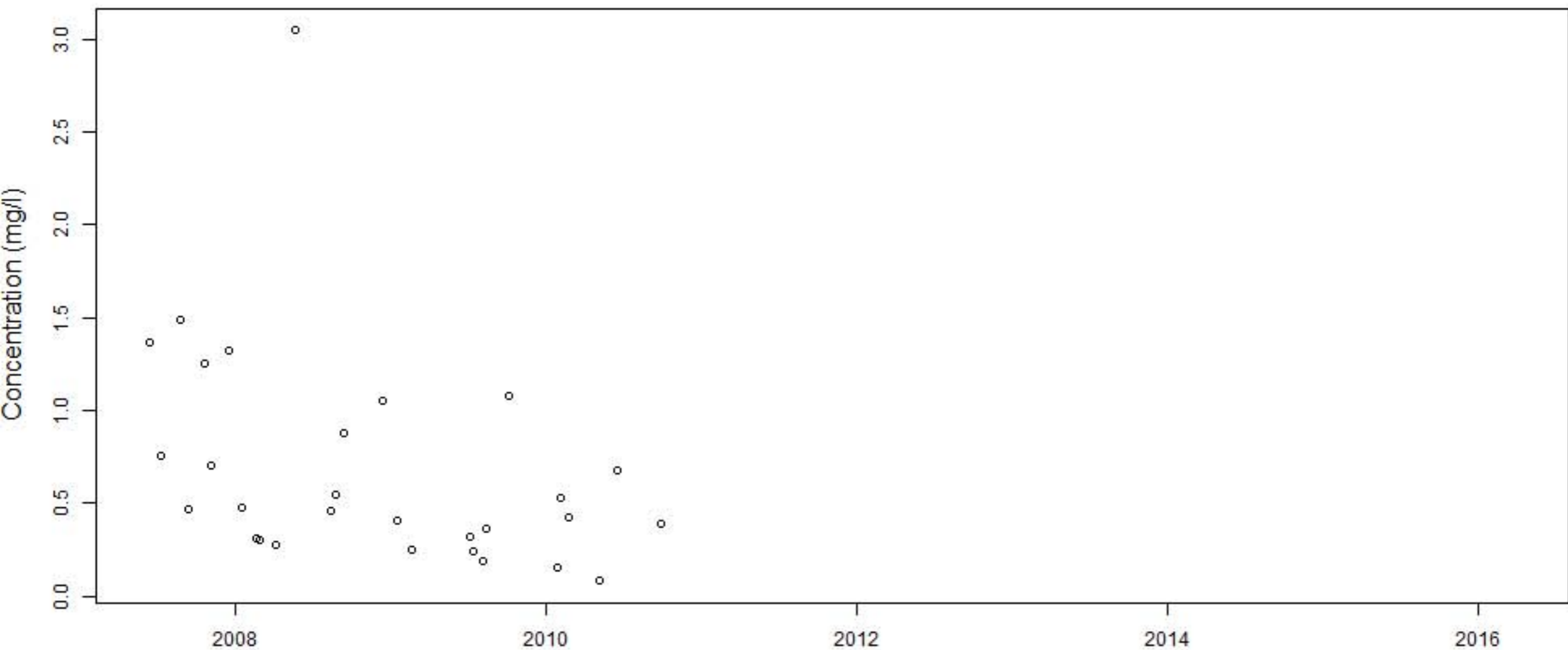


**BECY.4a.Grab.After**

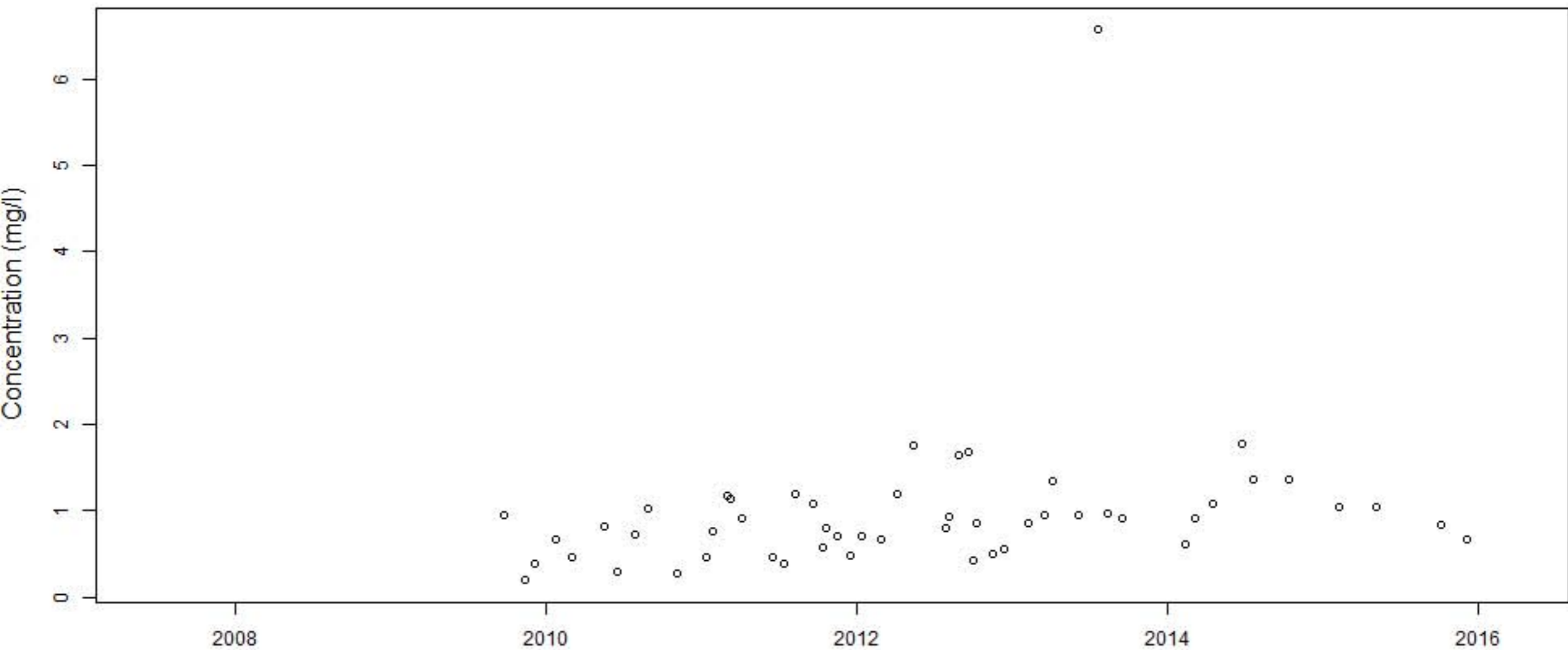




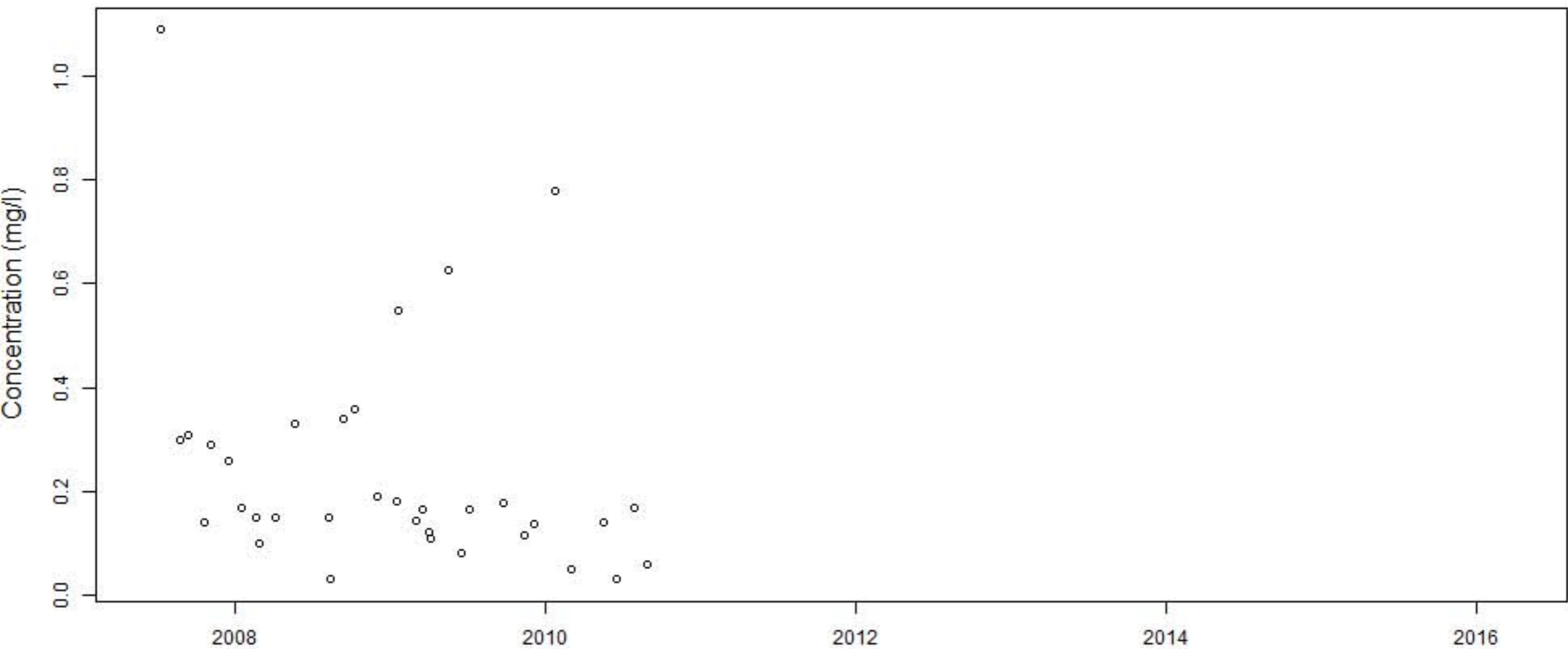
# BECY.4a.Grab



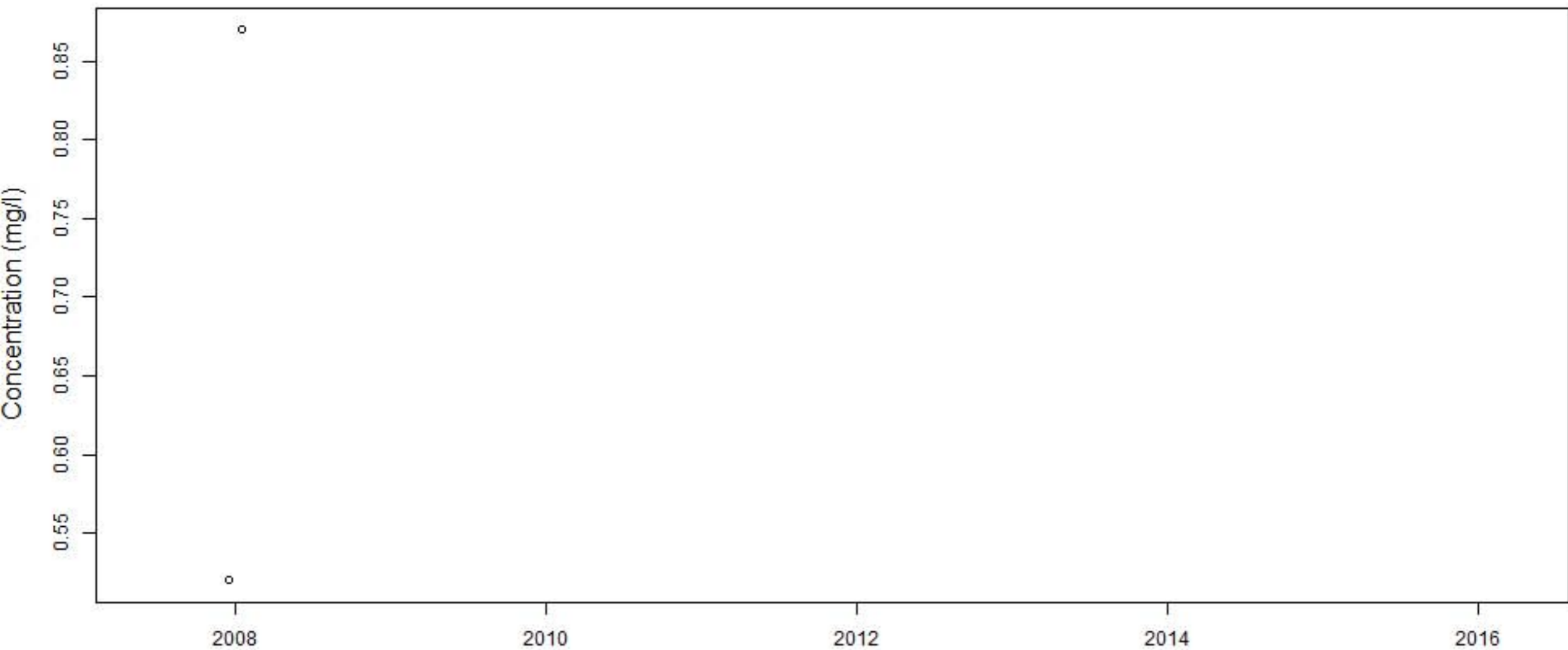
# BECY.4r



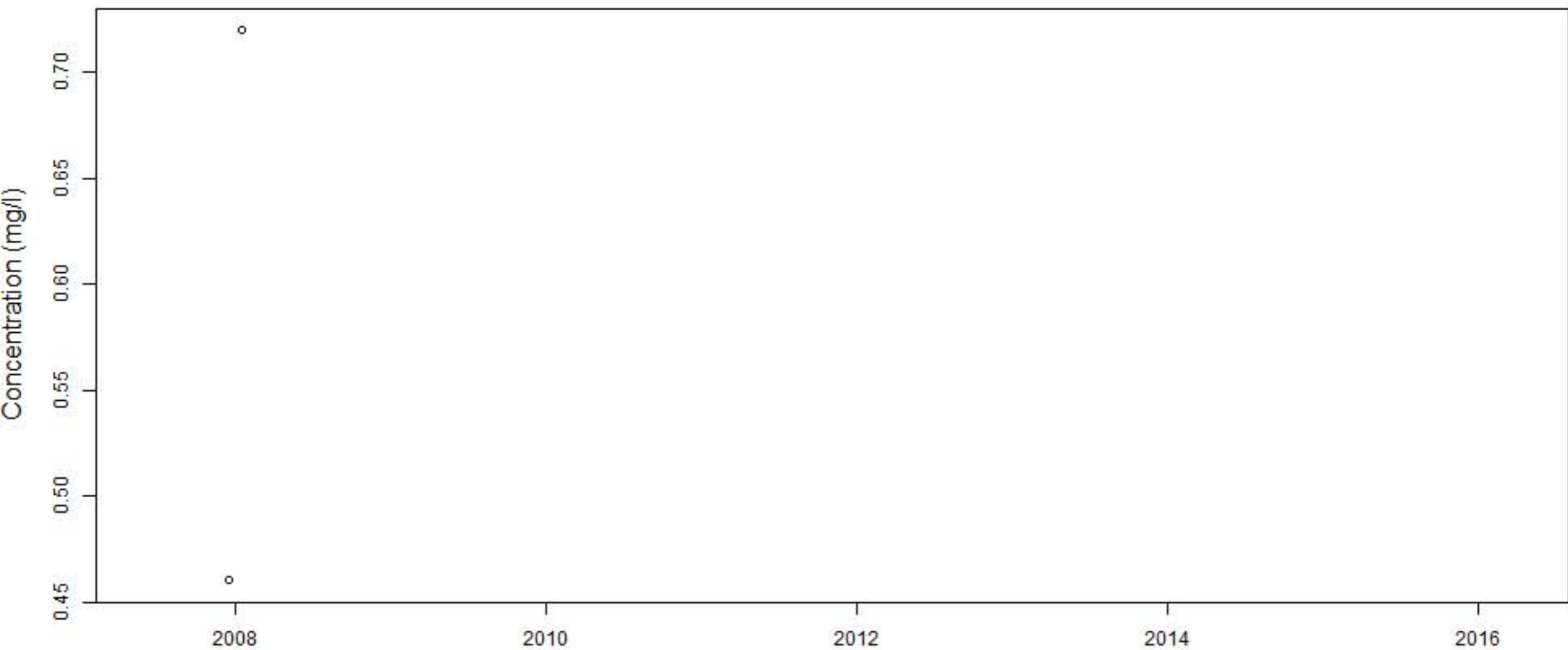
# BECY.5



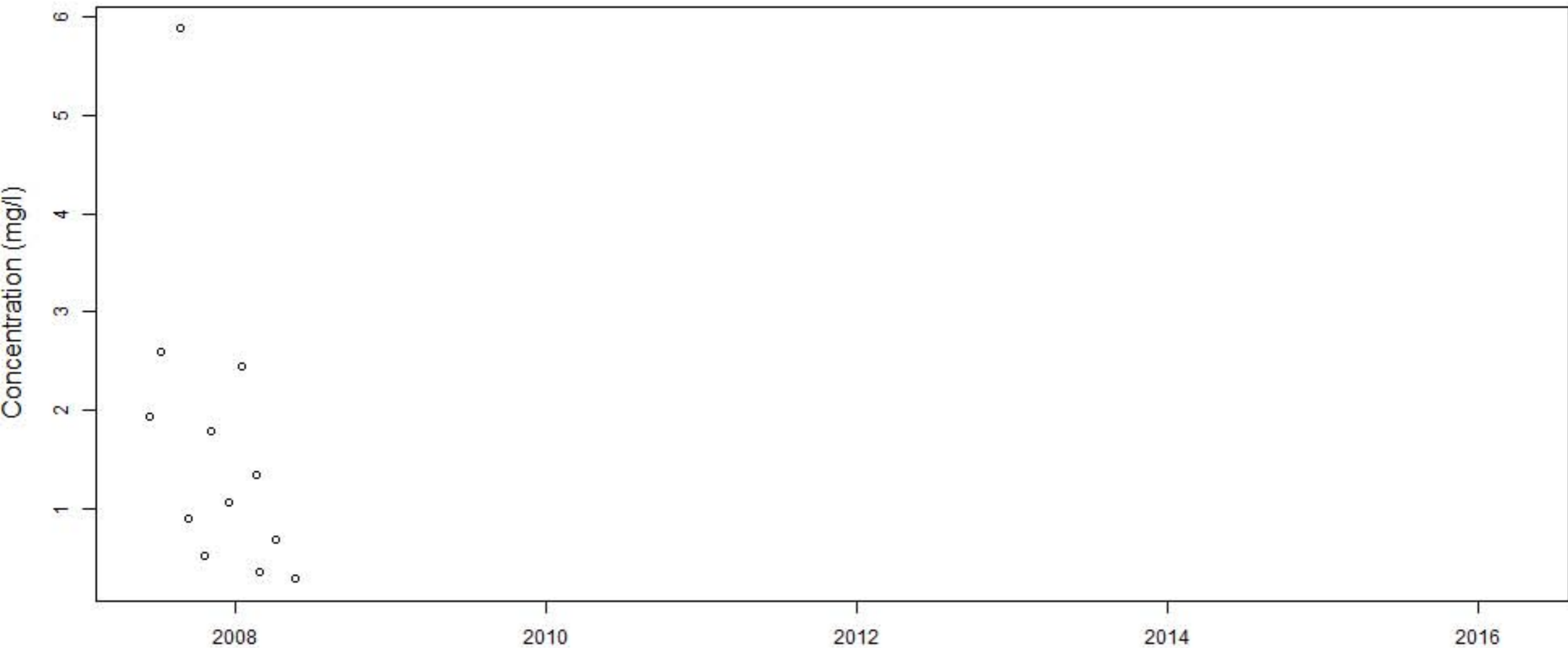
# BECY.5A.Comp



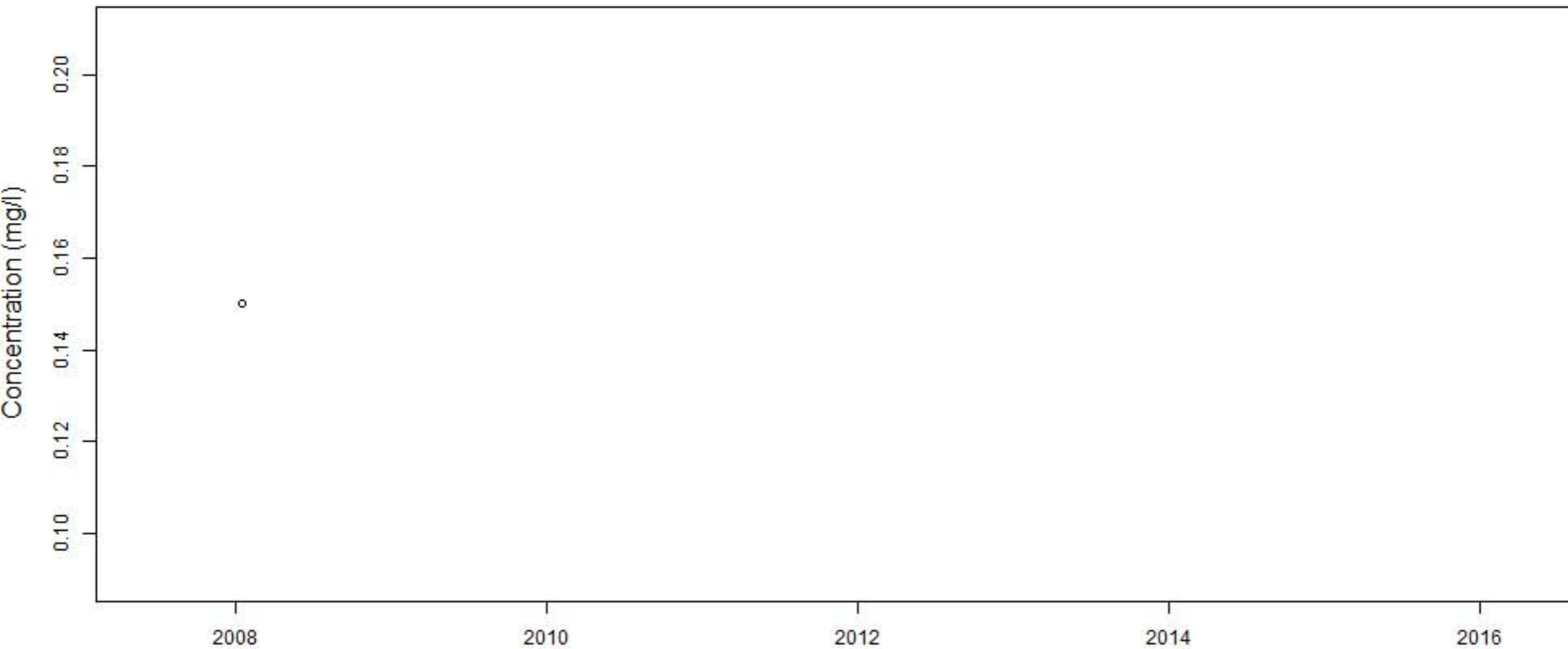
# BECY.5A.Grab



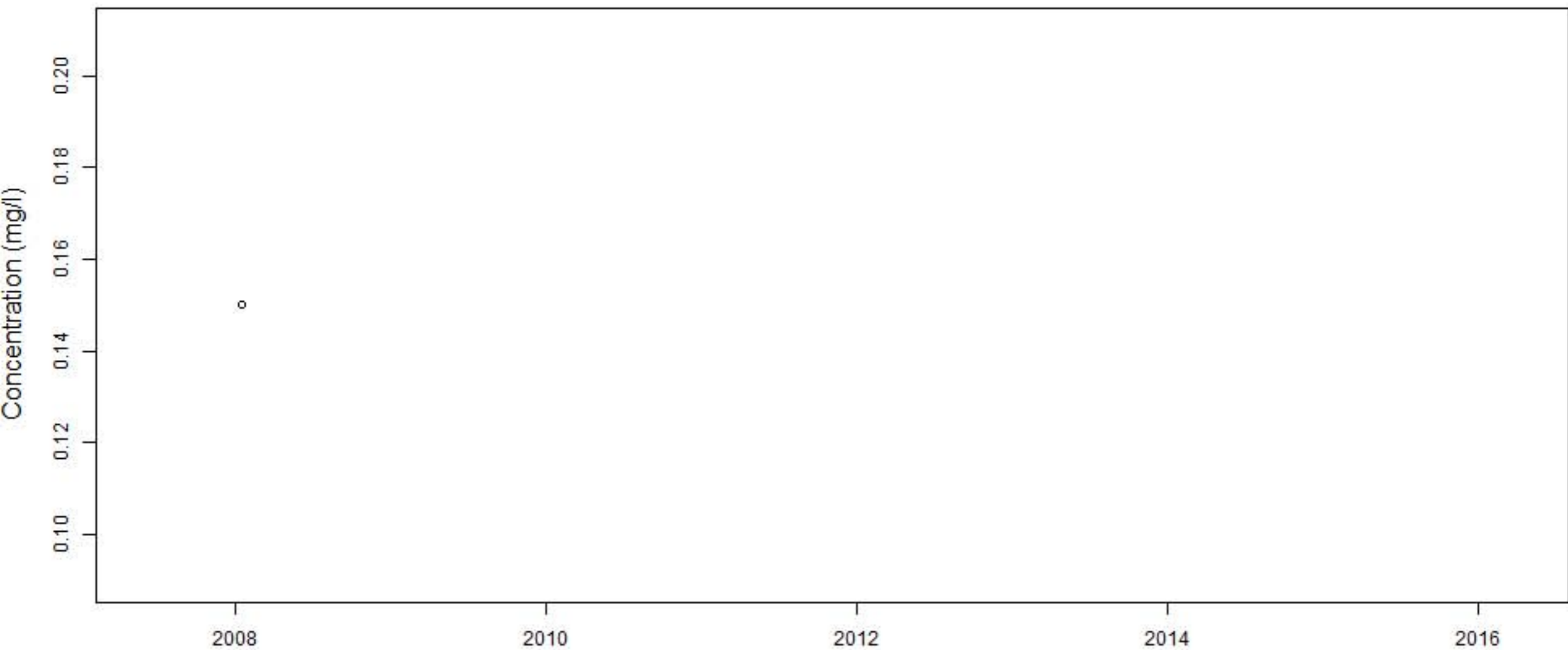
# BECY.6



# BECY.6A.Comp

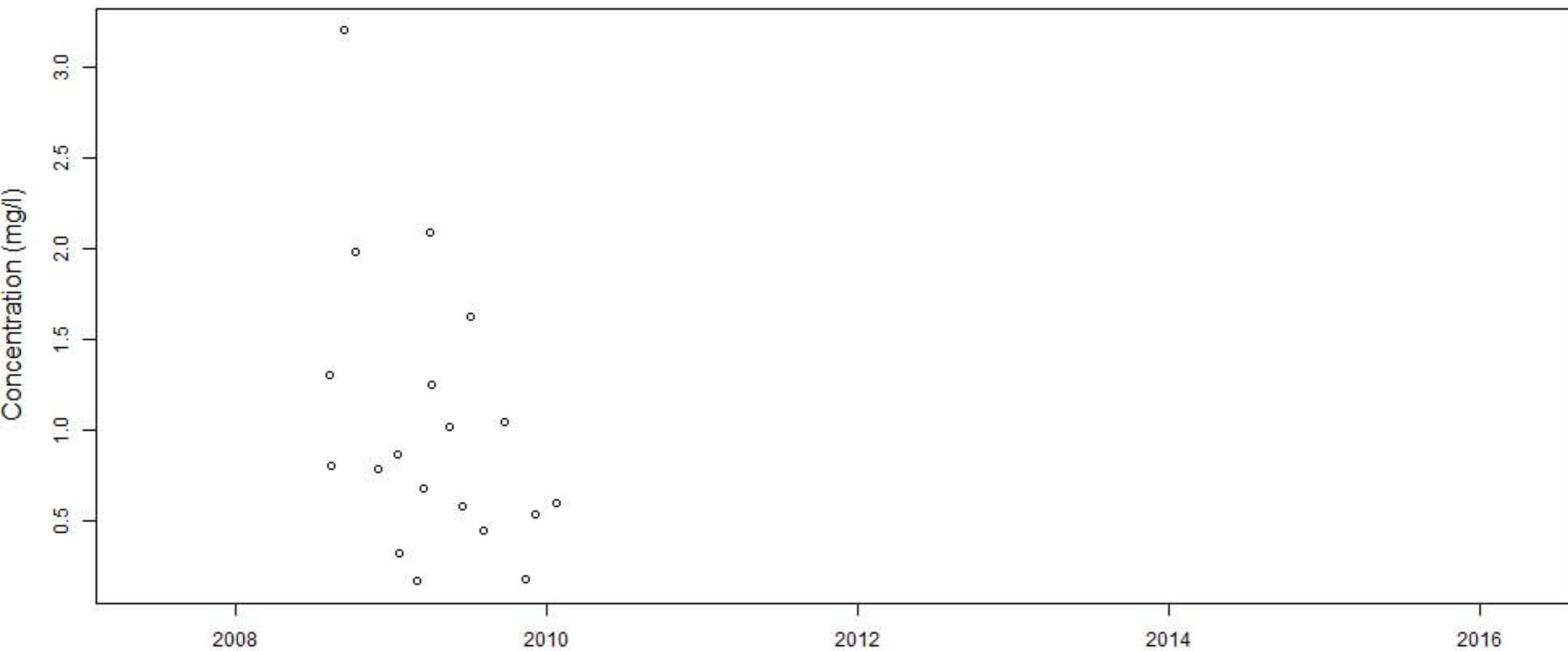


# BECY.6A.Grab

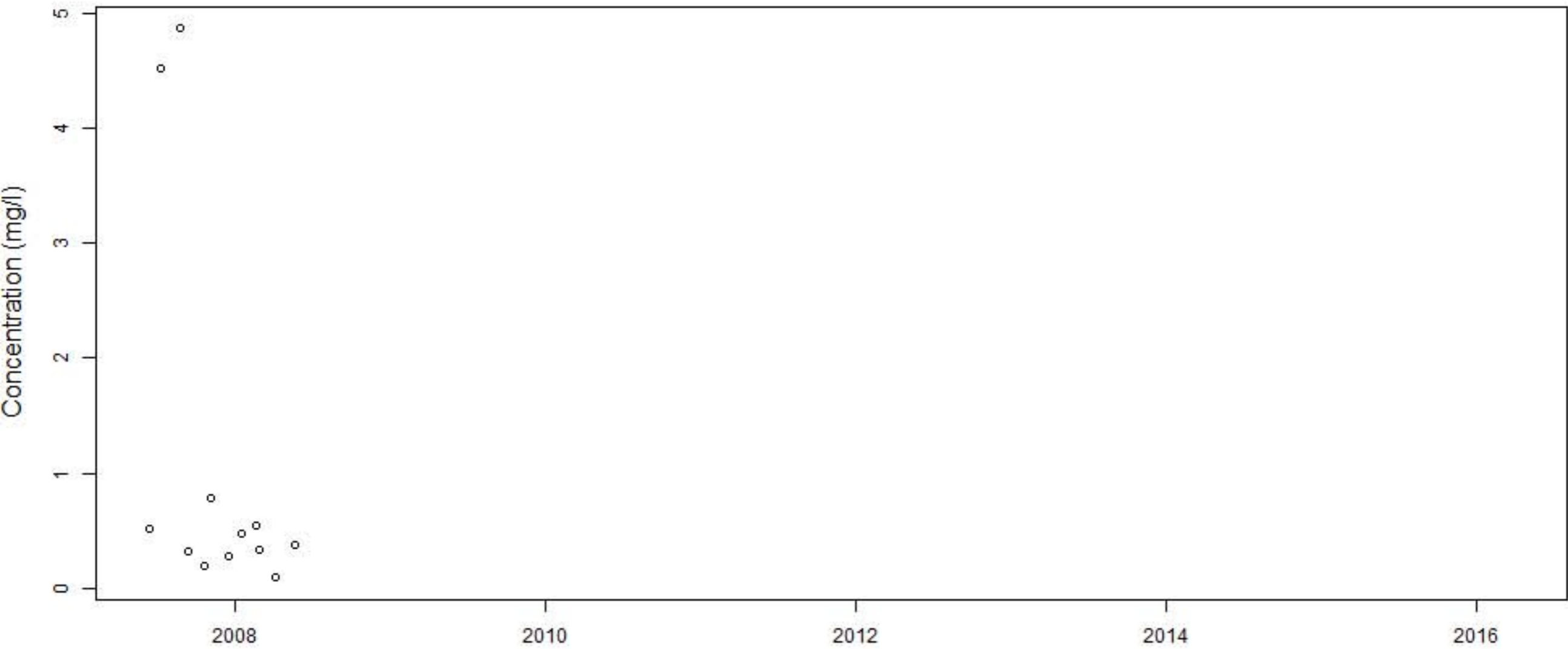




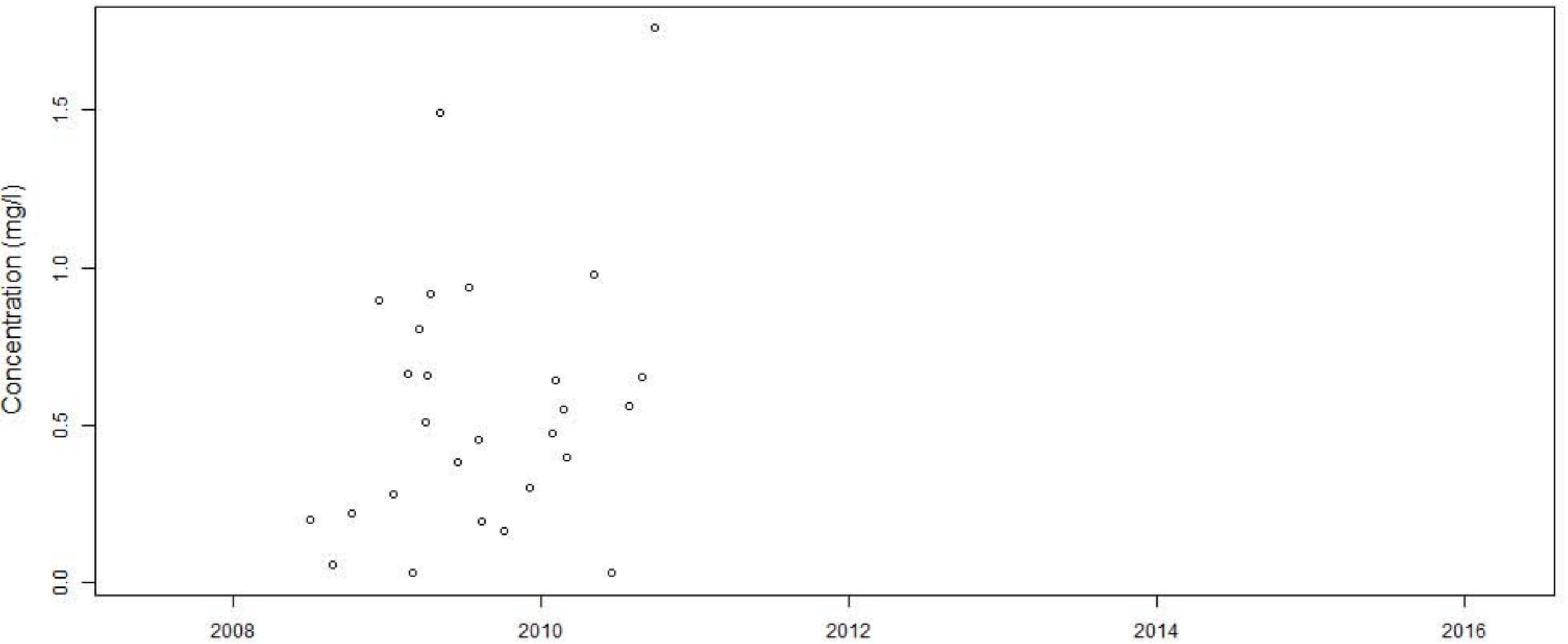
# BECY.6r



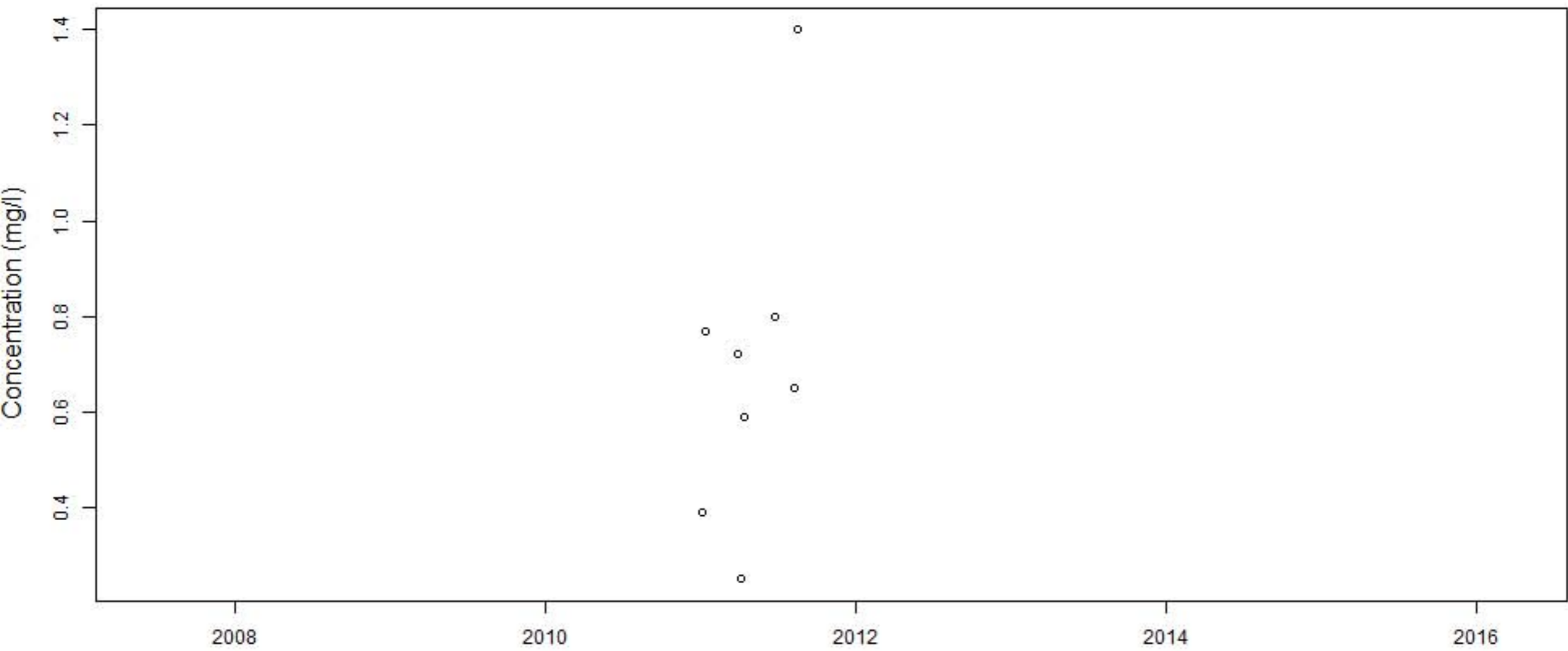
# BECY.7



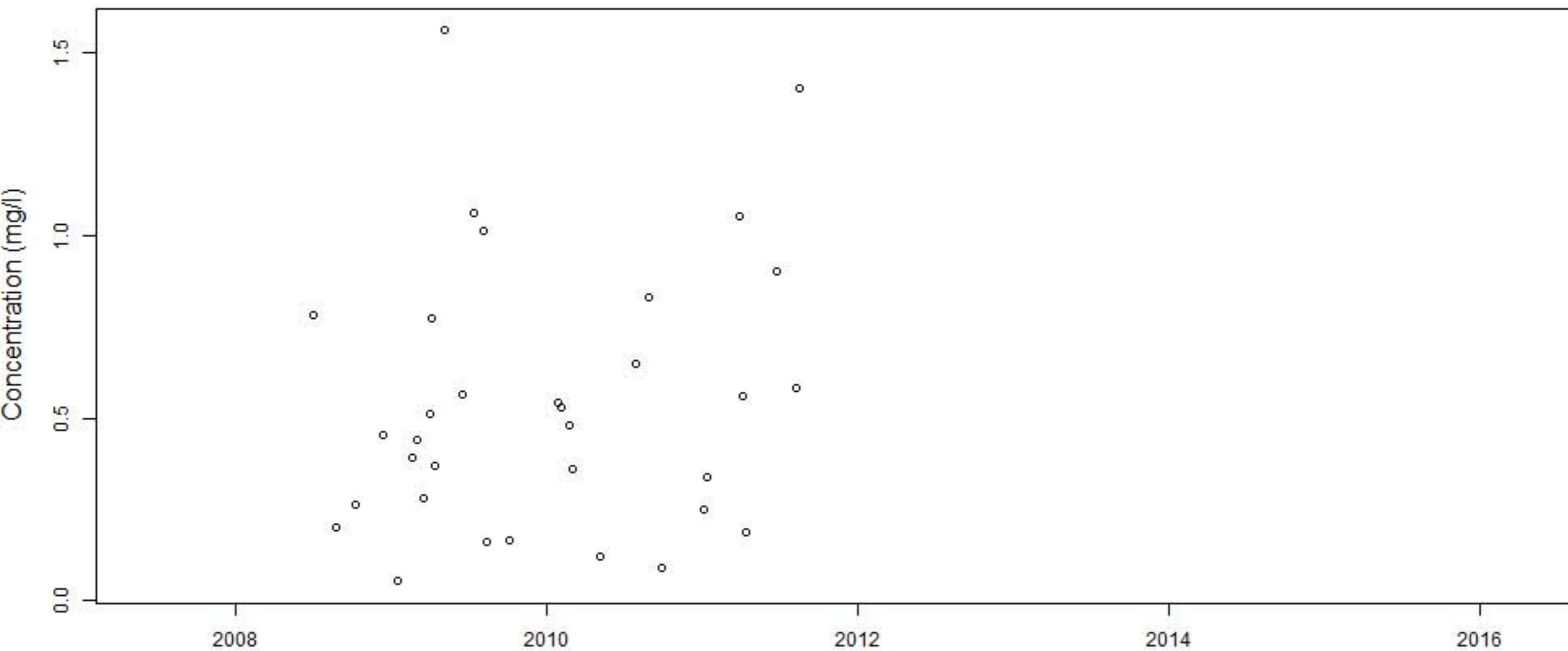
BECY.7ra.Comp



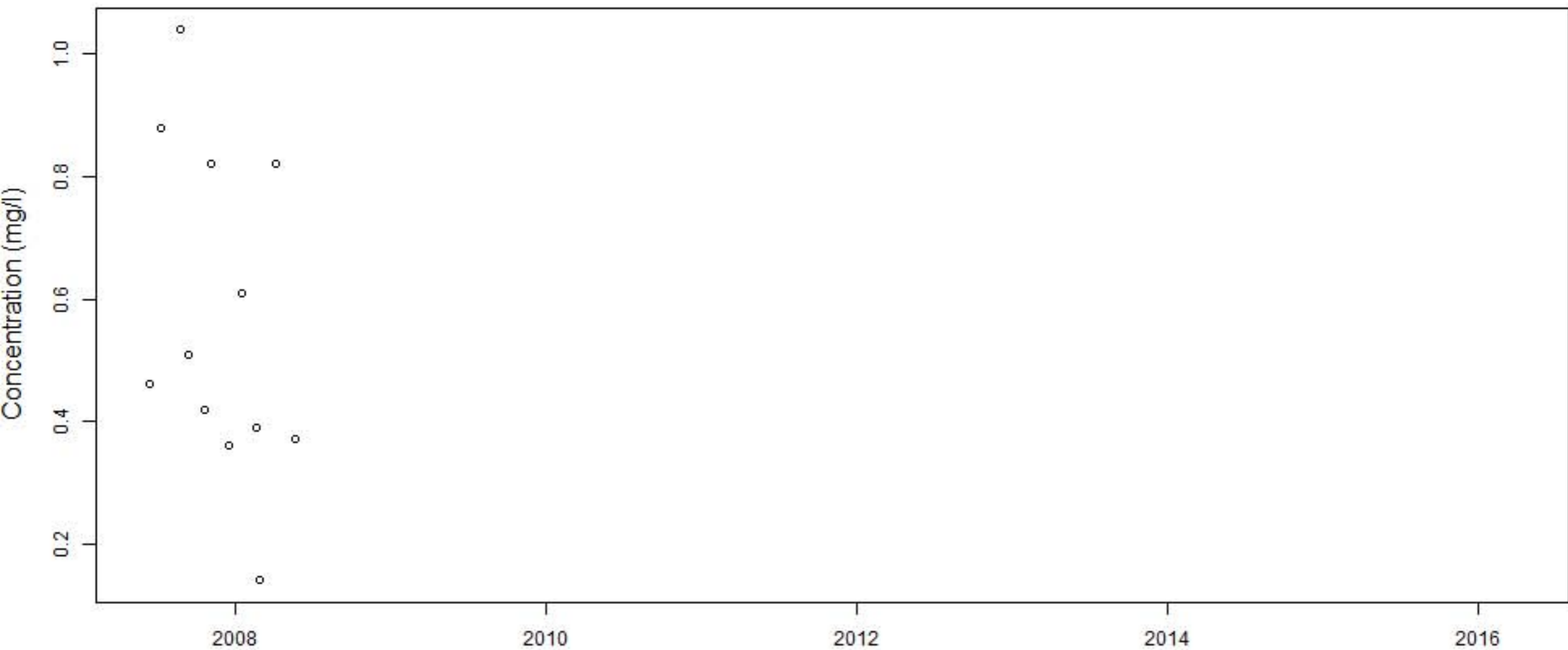
**BECY.7ra.Grab.after**



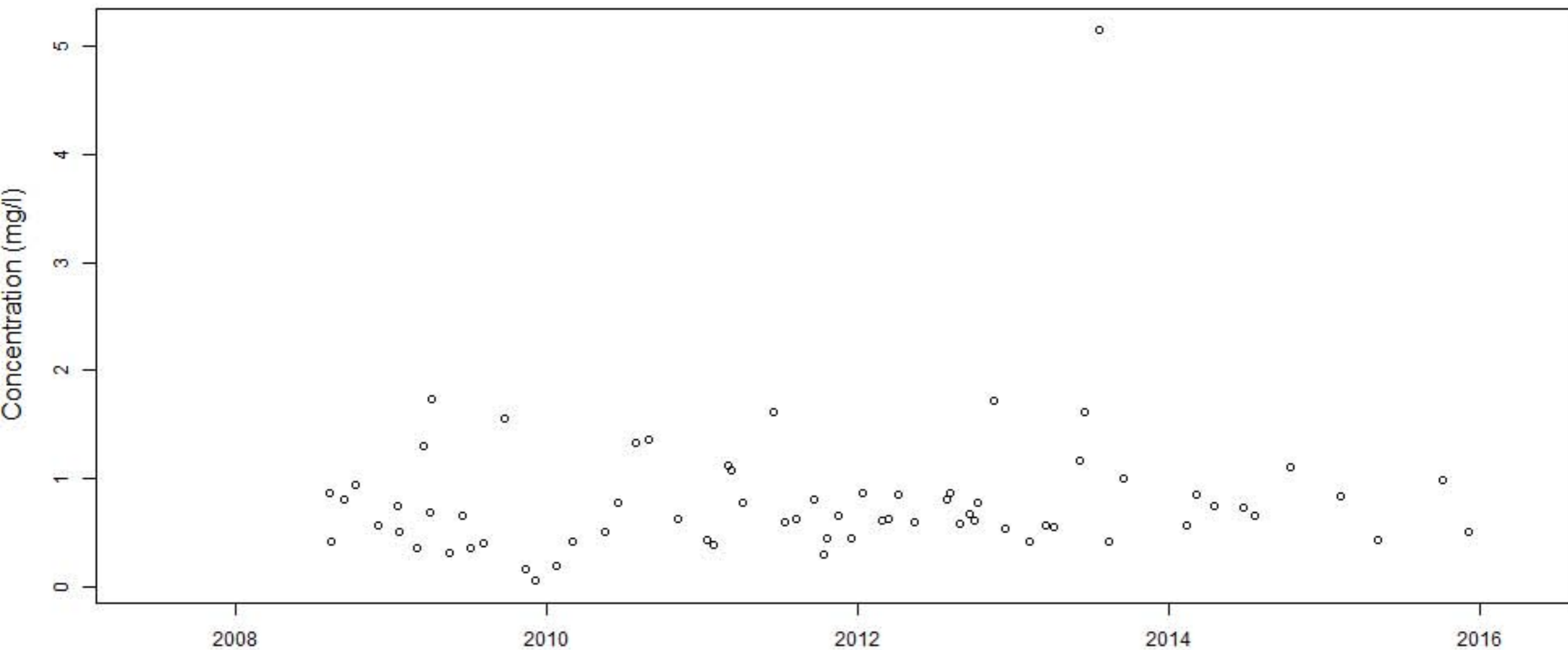
### BECY.7ra.Grab



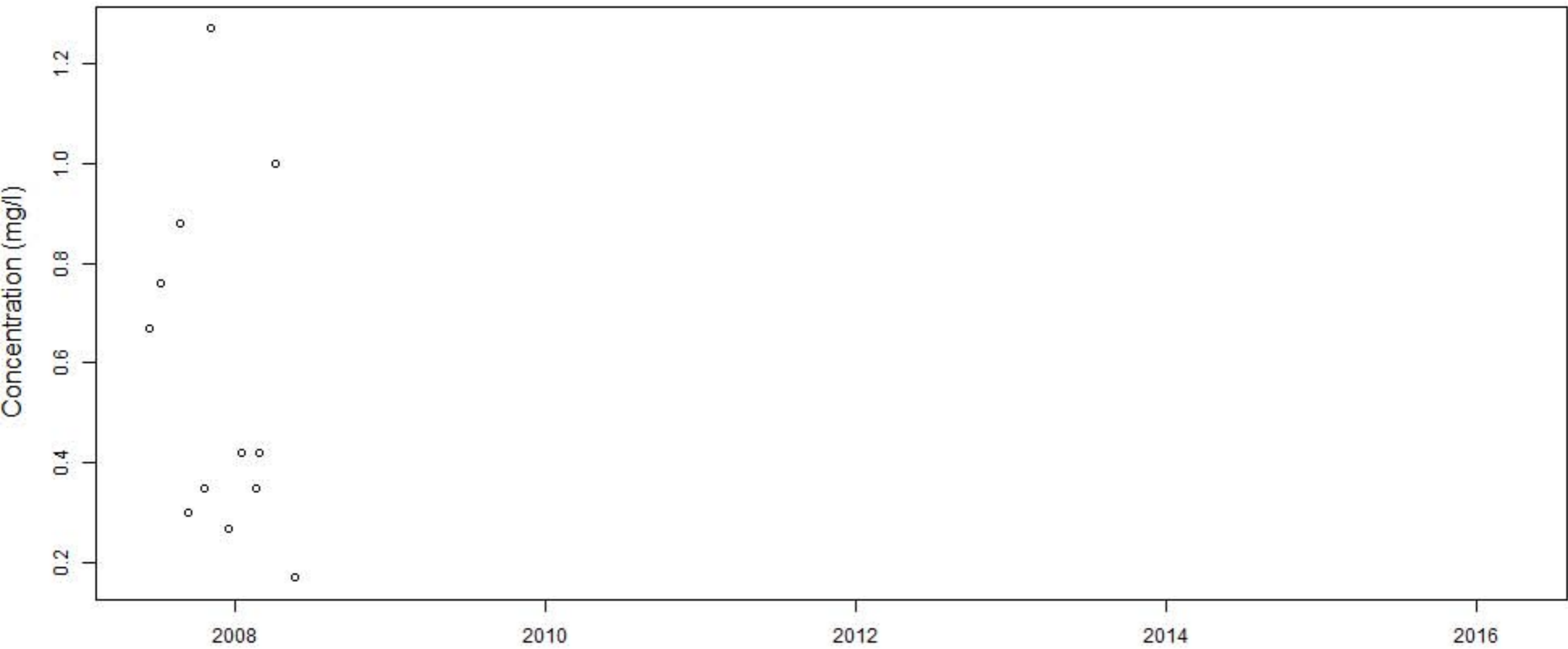
# BECY.8



# BECY.8r

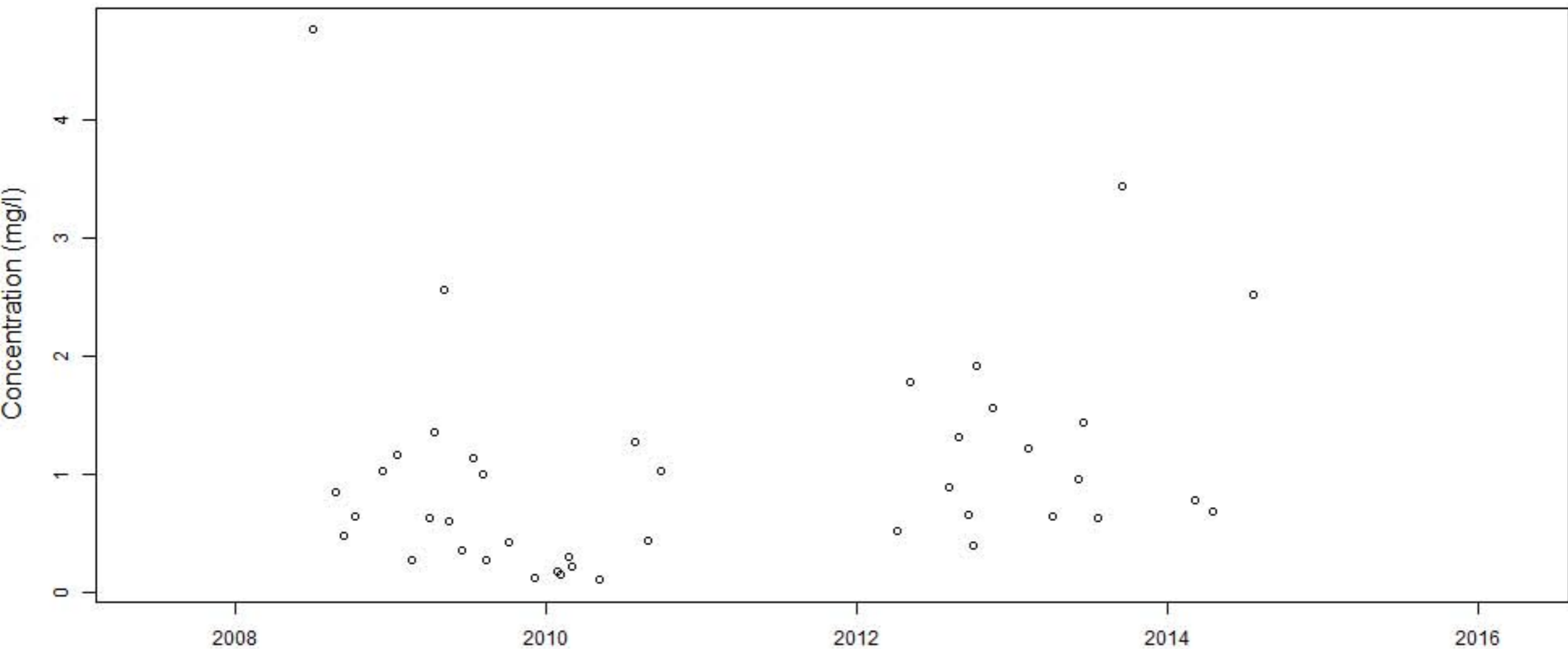


# BECY.9

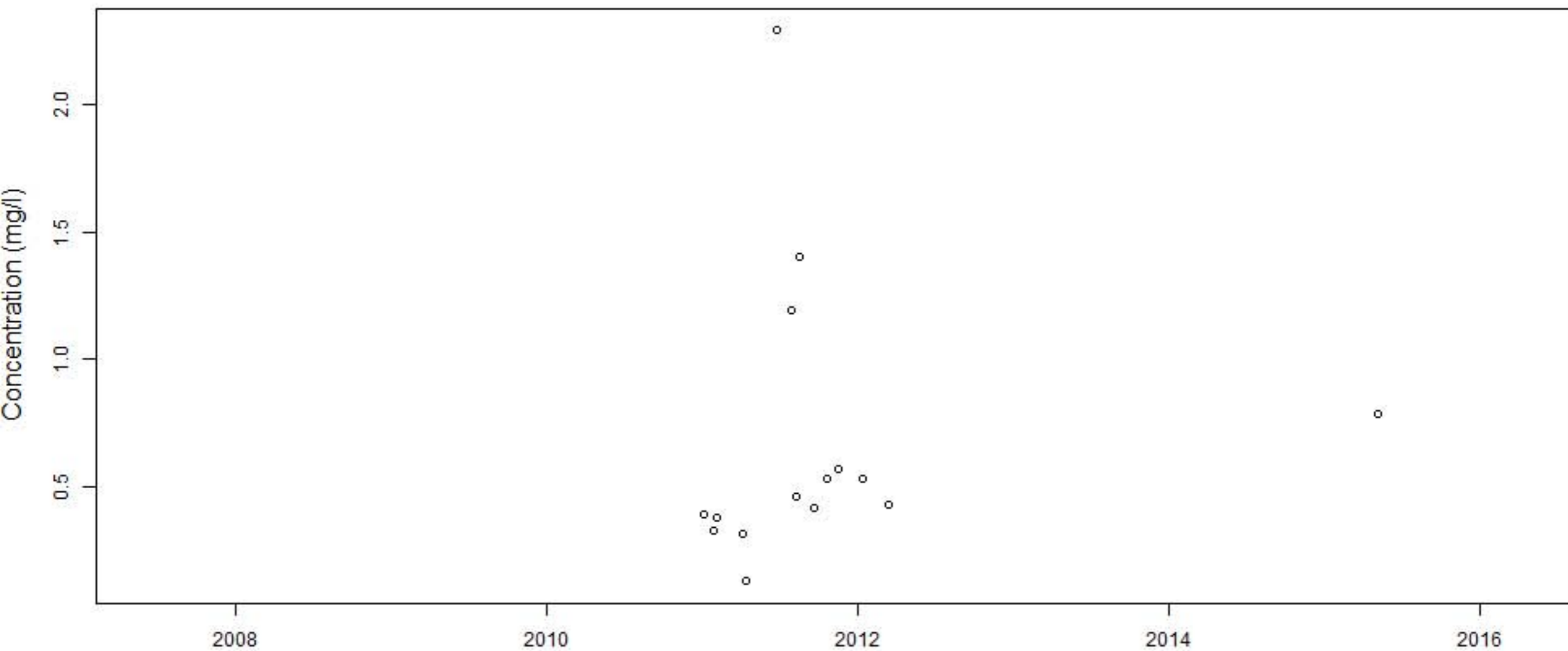




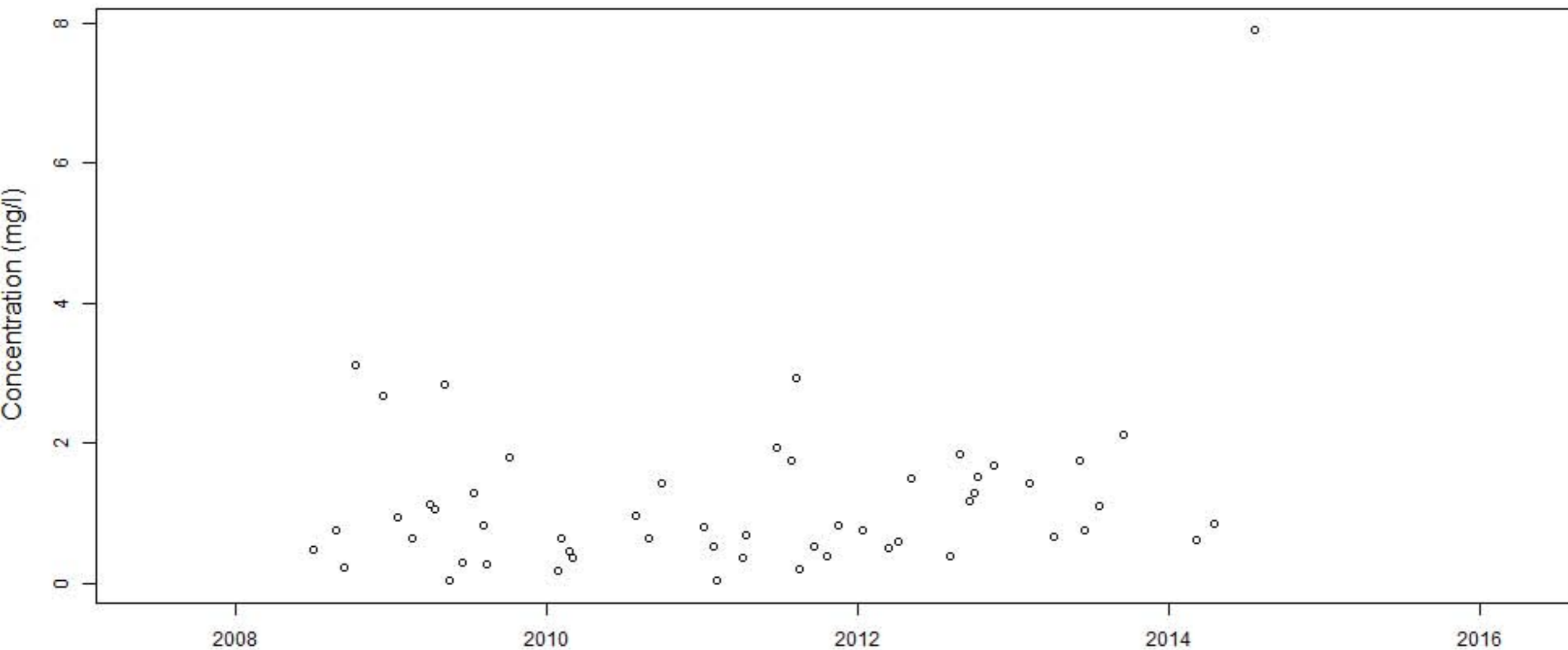
BECY.9ra.Comp



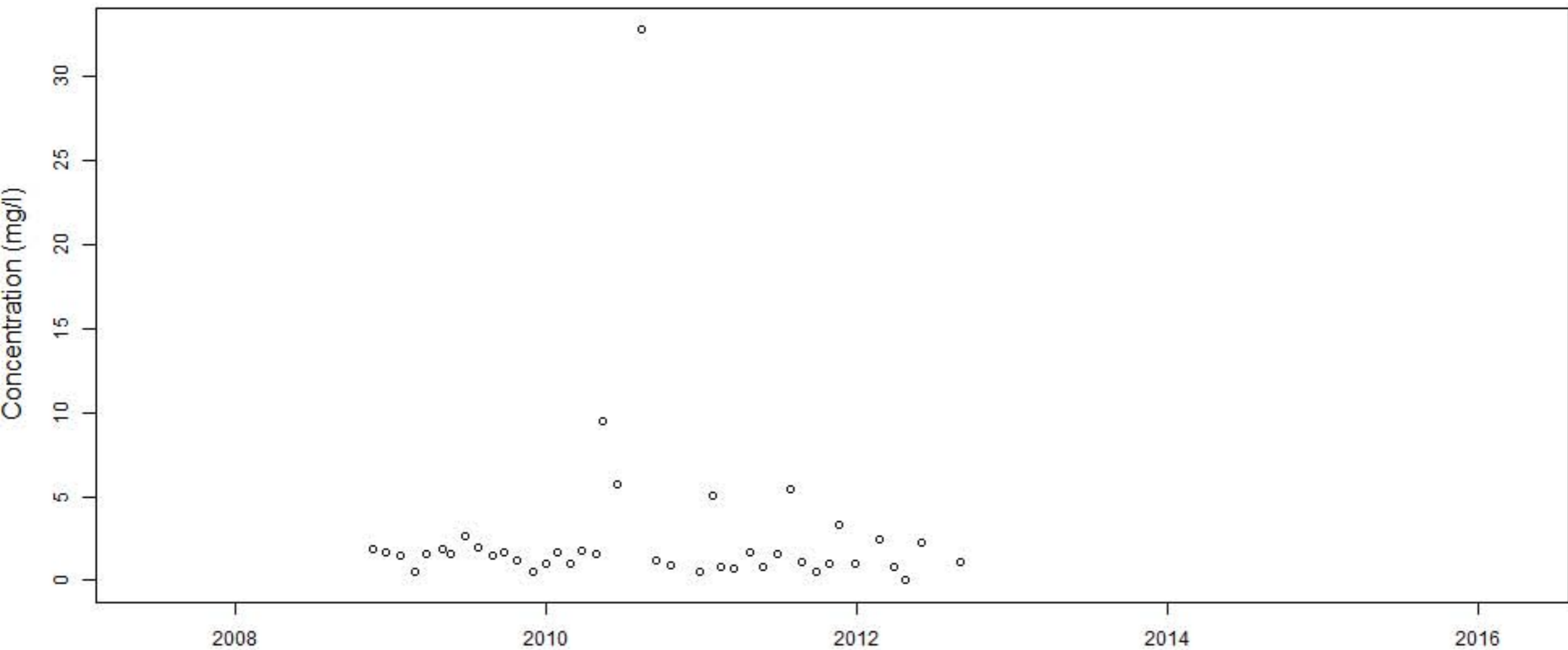
**BECY.9ra.Grab.after**



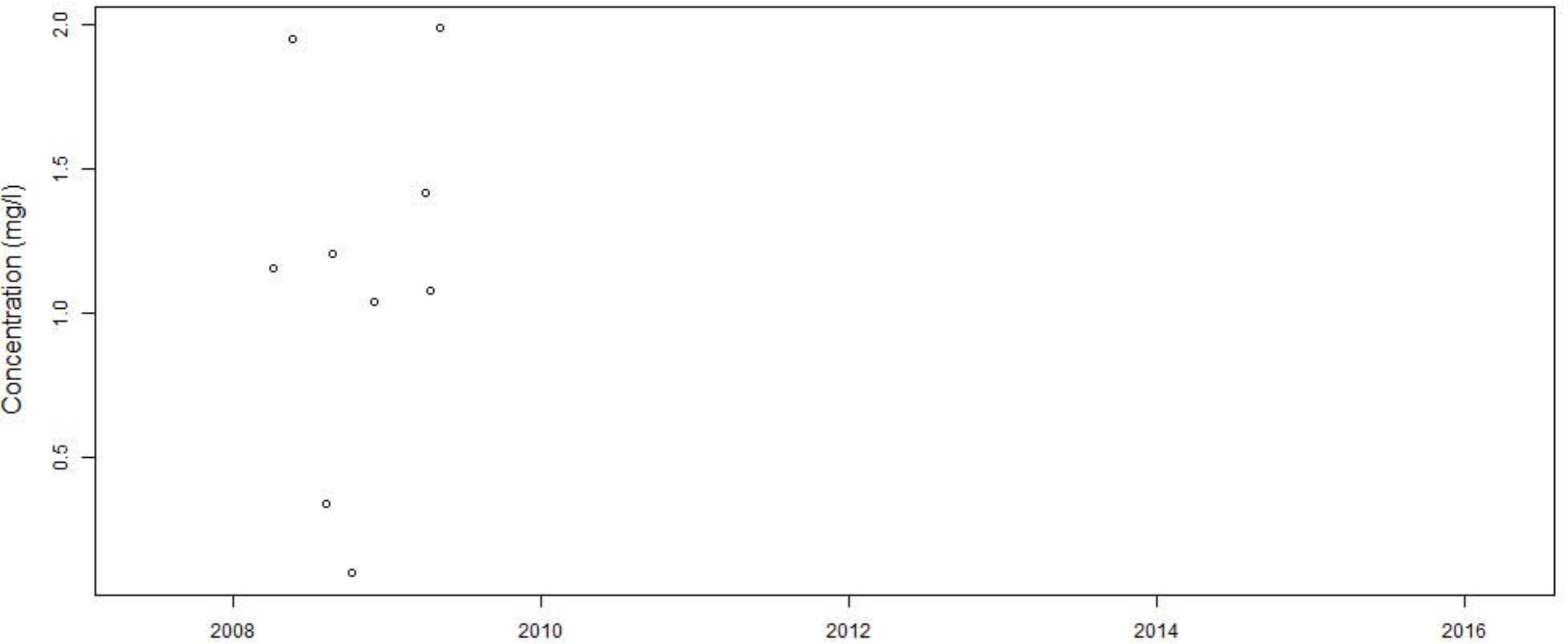
# BECY.9ra.Grab



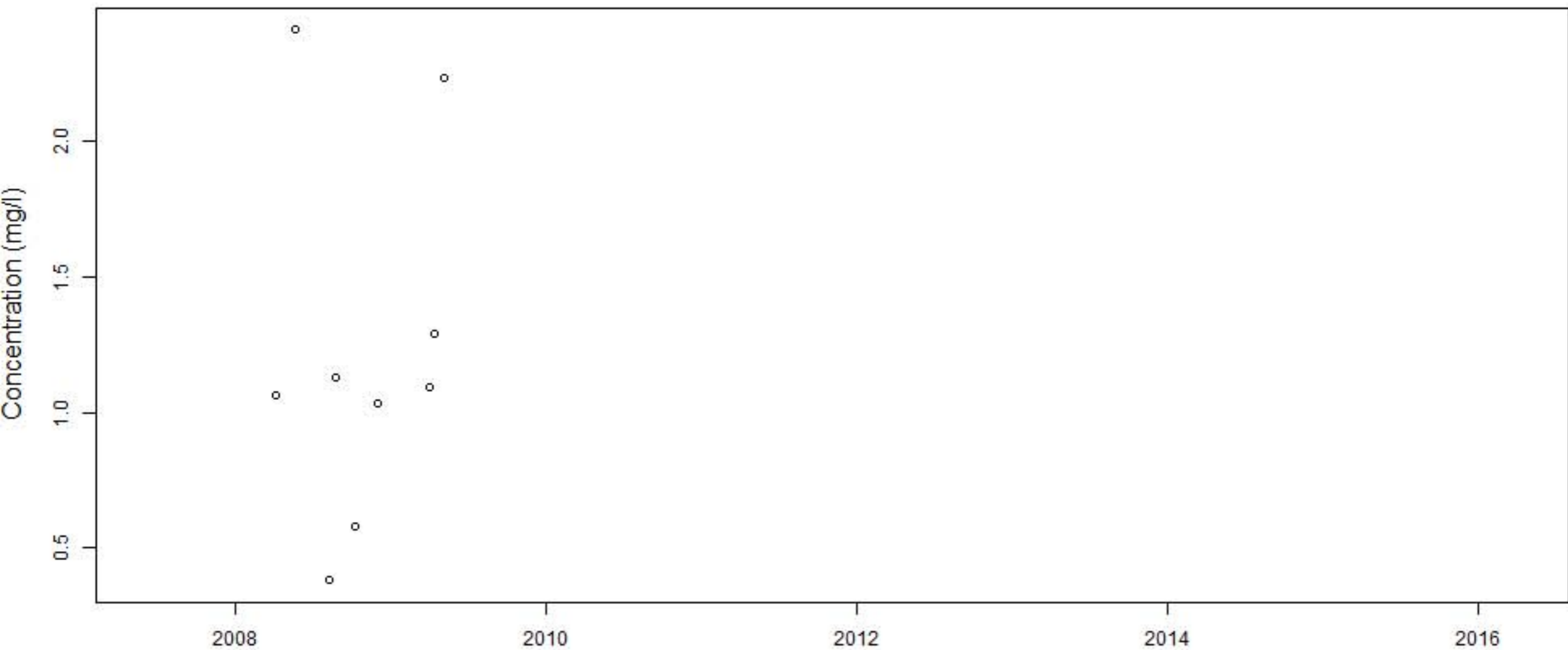
# BLUEWATER



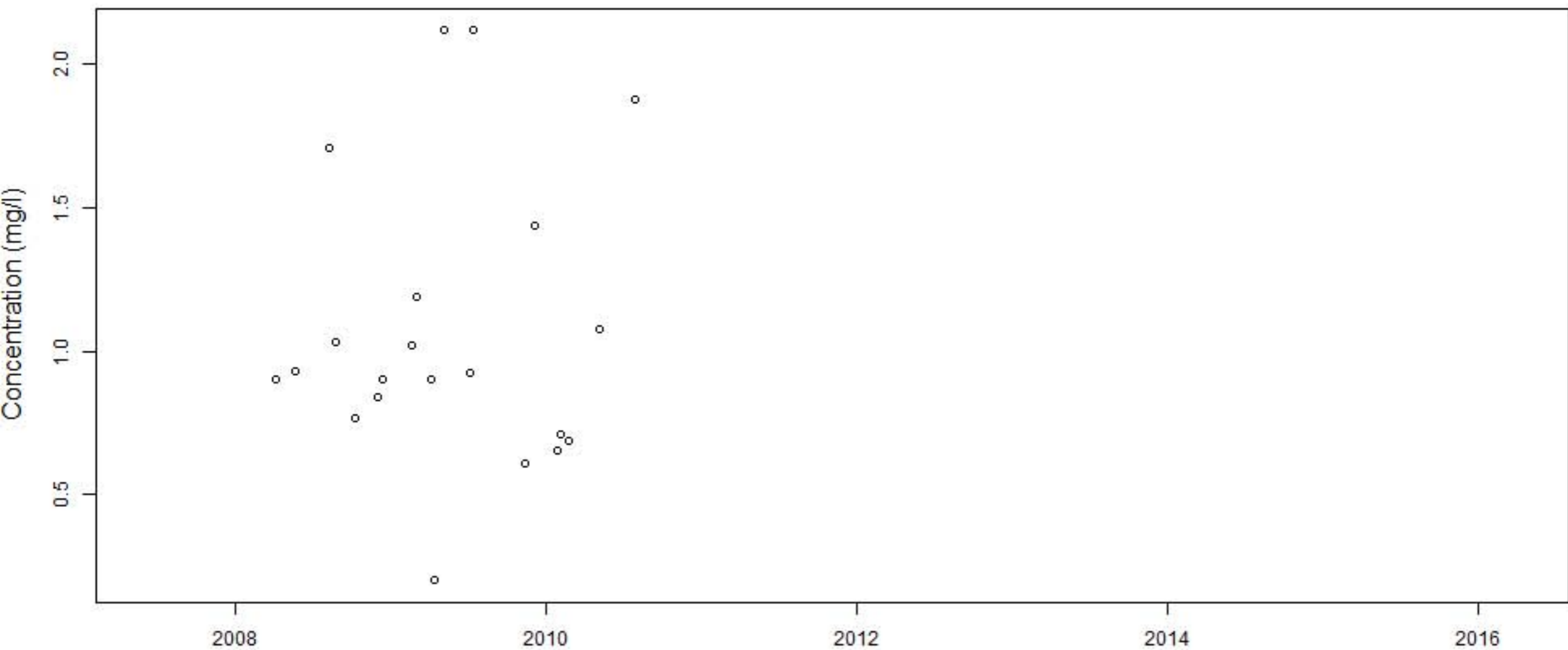
# BM Pep...IN.COMP



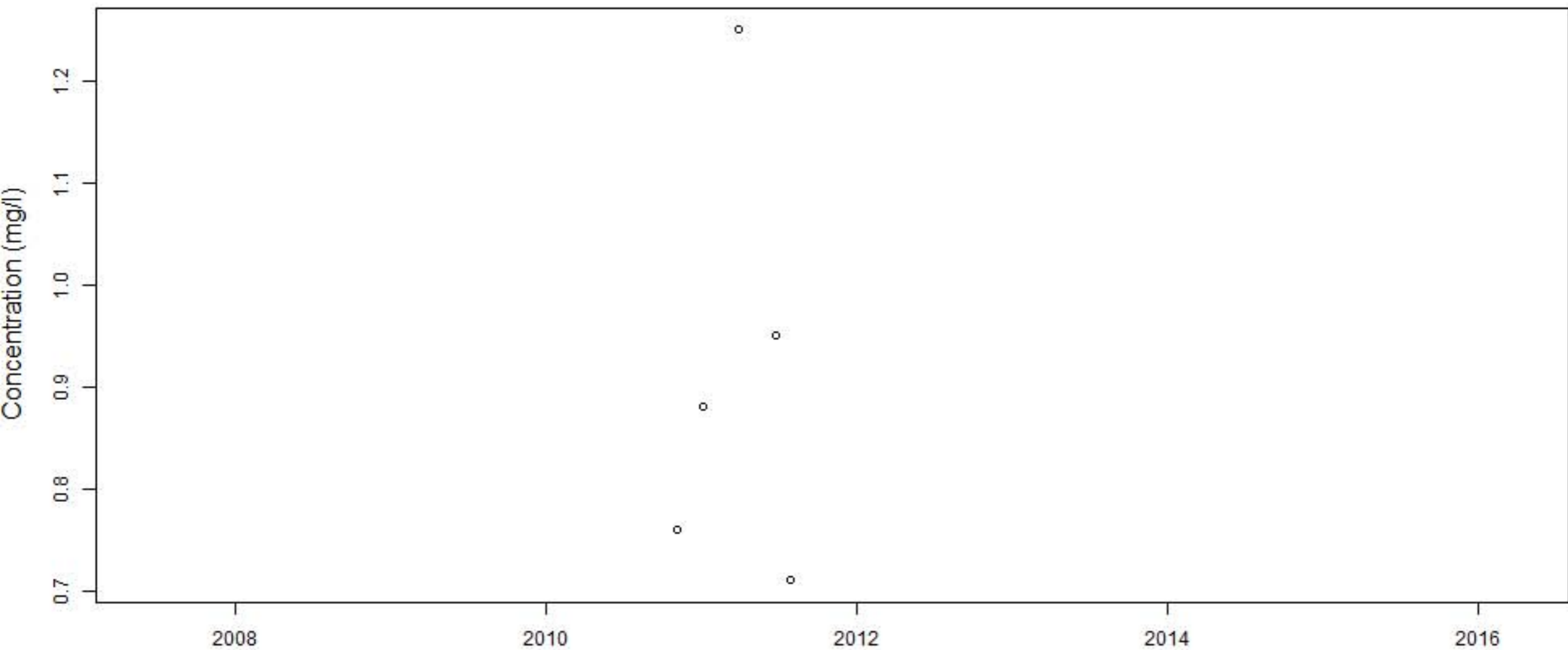
# BM Pep...IN.GRAB



# BM Pep...OUT.COMP

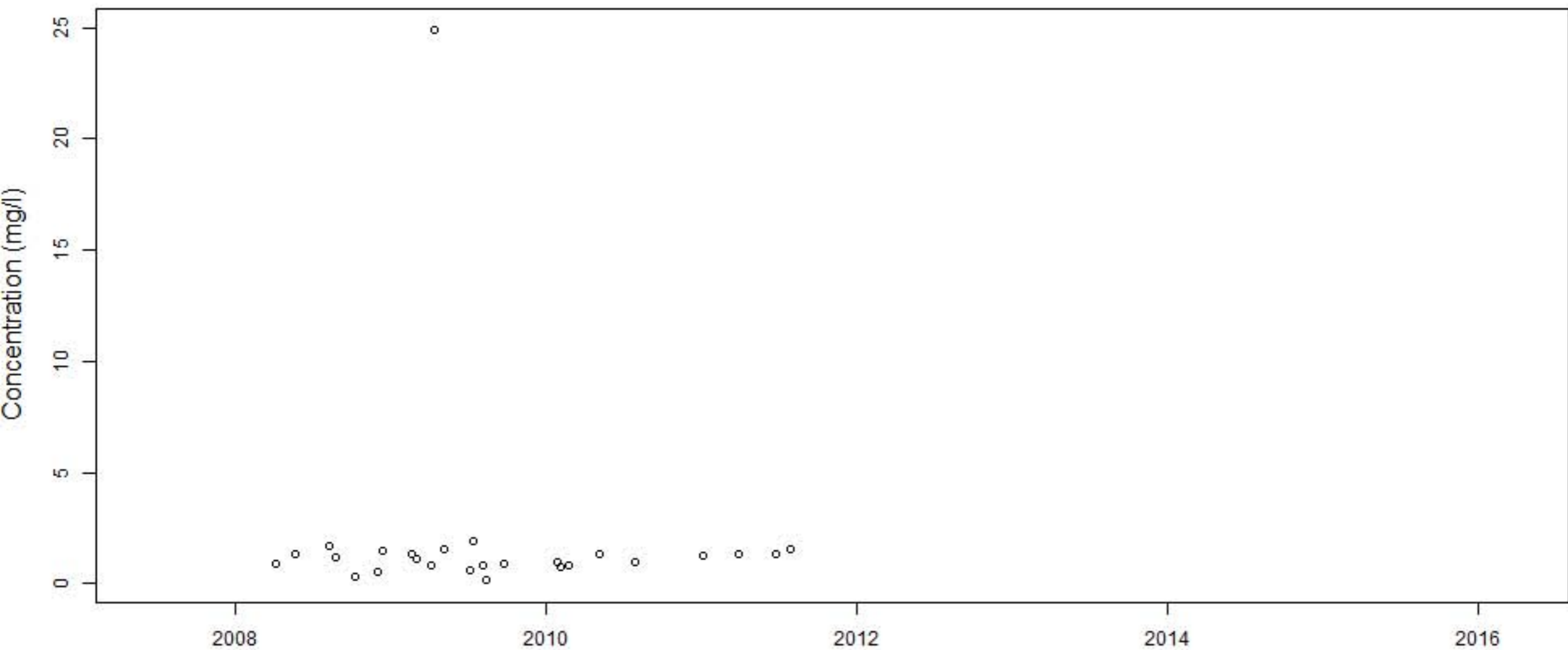


BM Pep...OUT.Grab.After

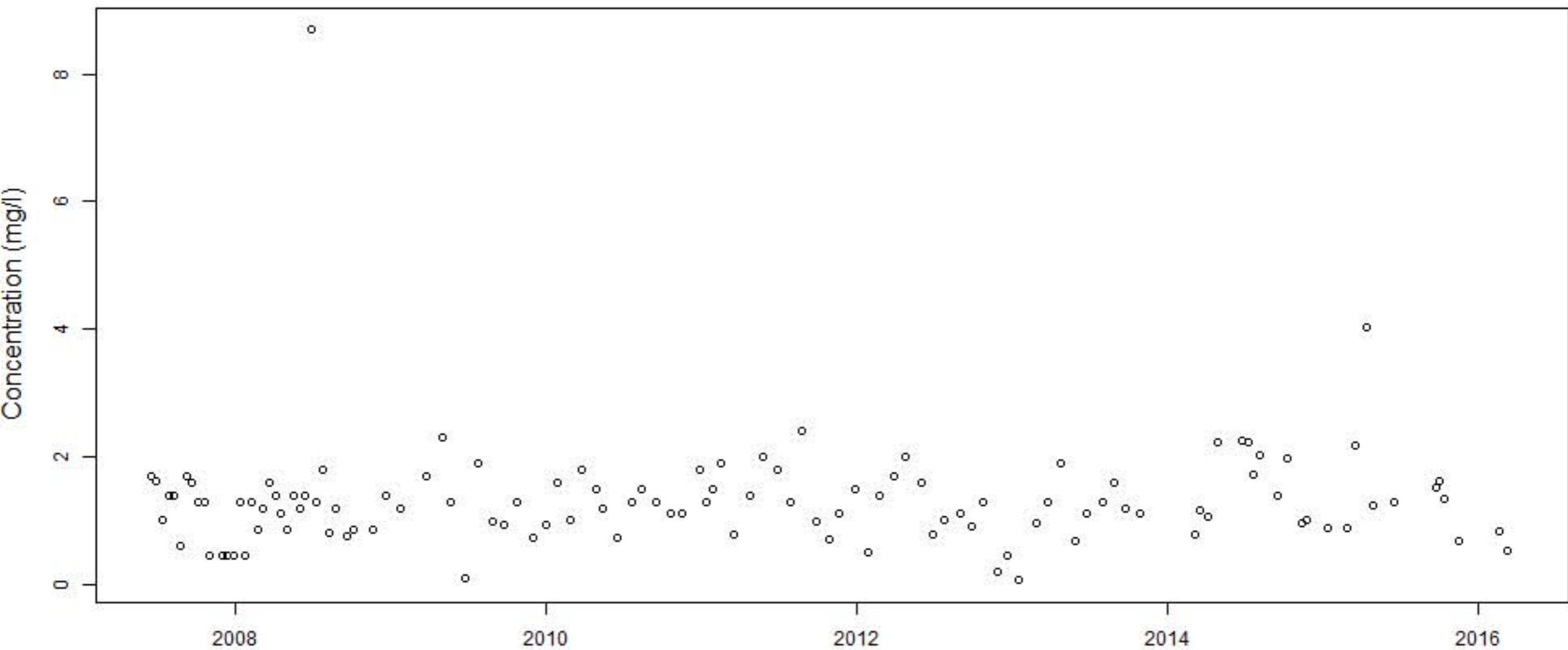




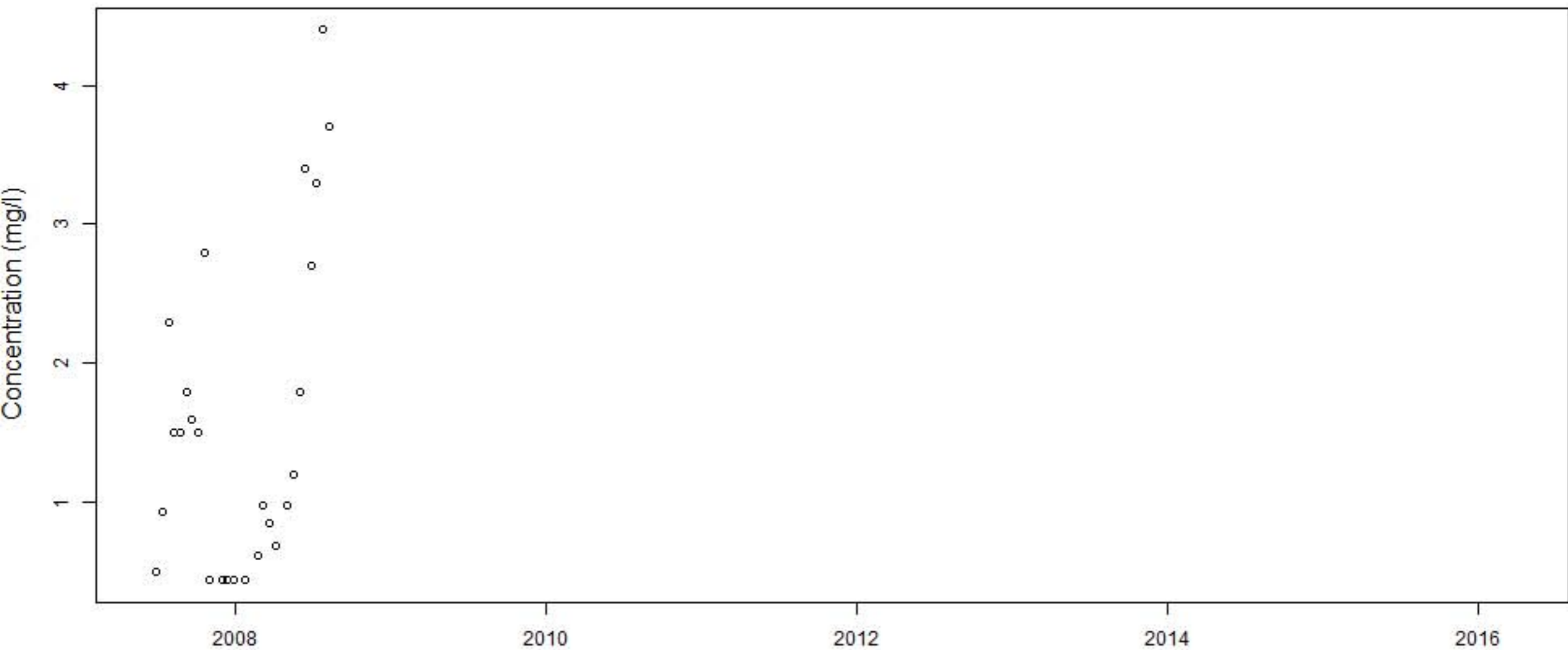
# BM Pep...OUT.GRAB



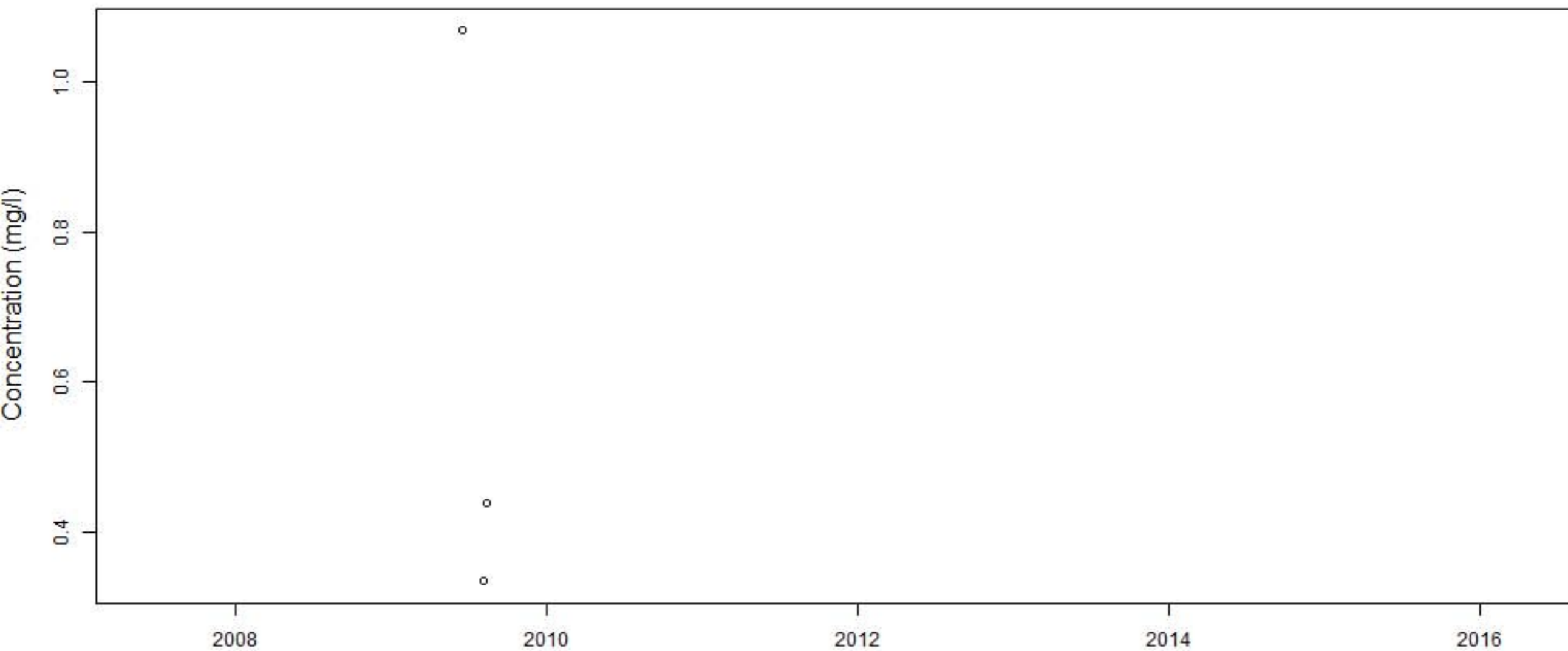
# BROAD.POINTE



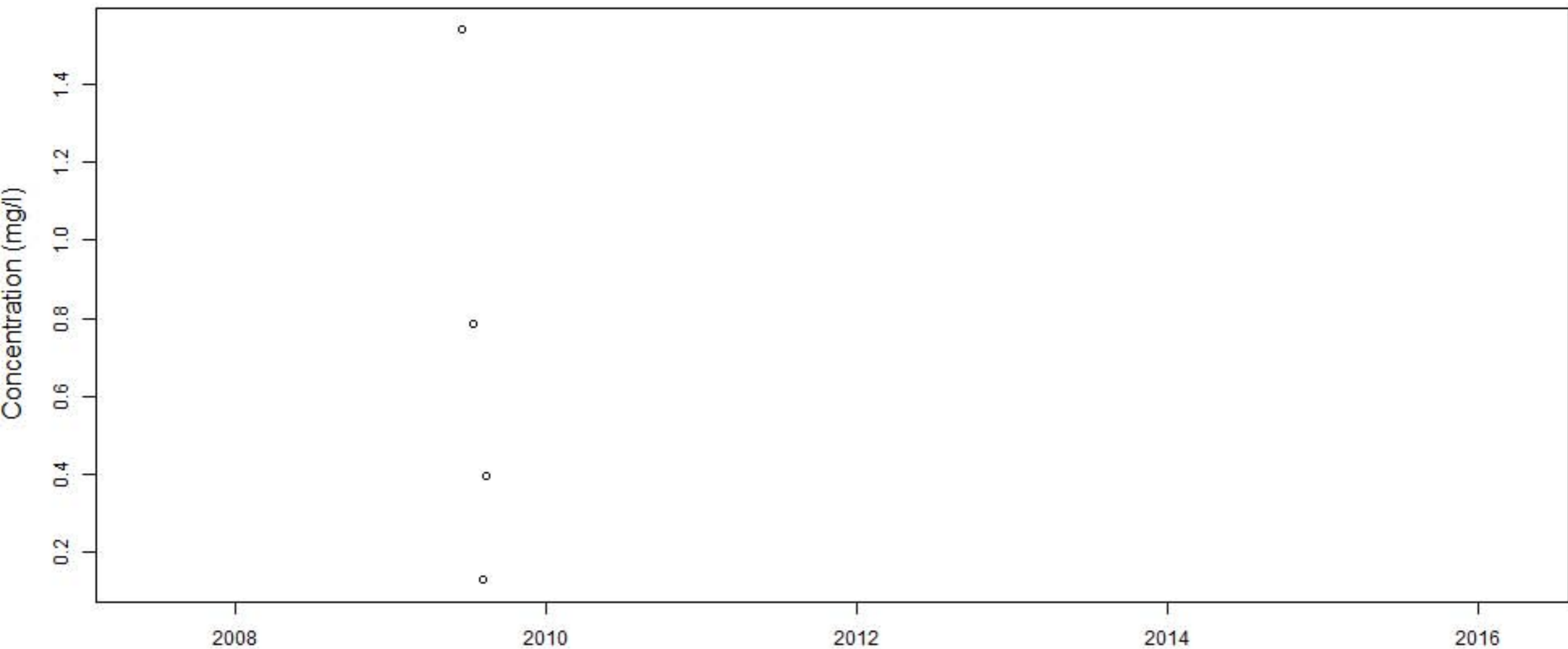
# BURKE.S.BEACH



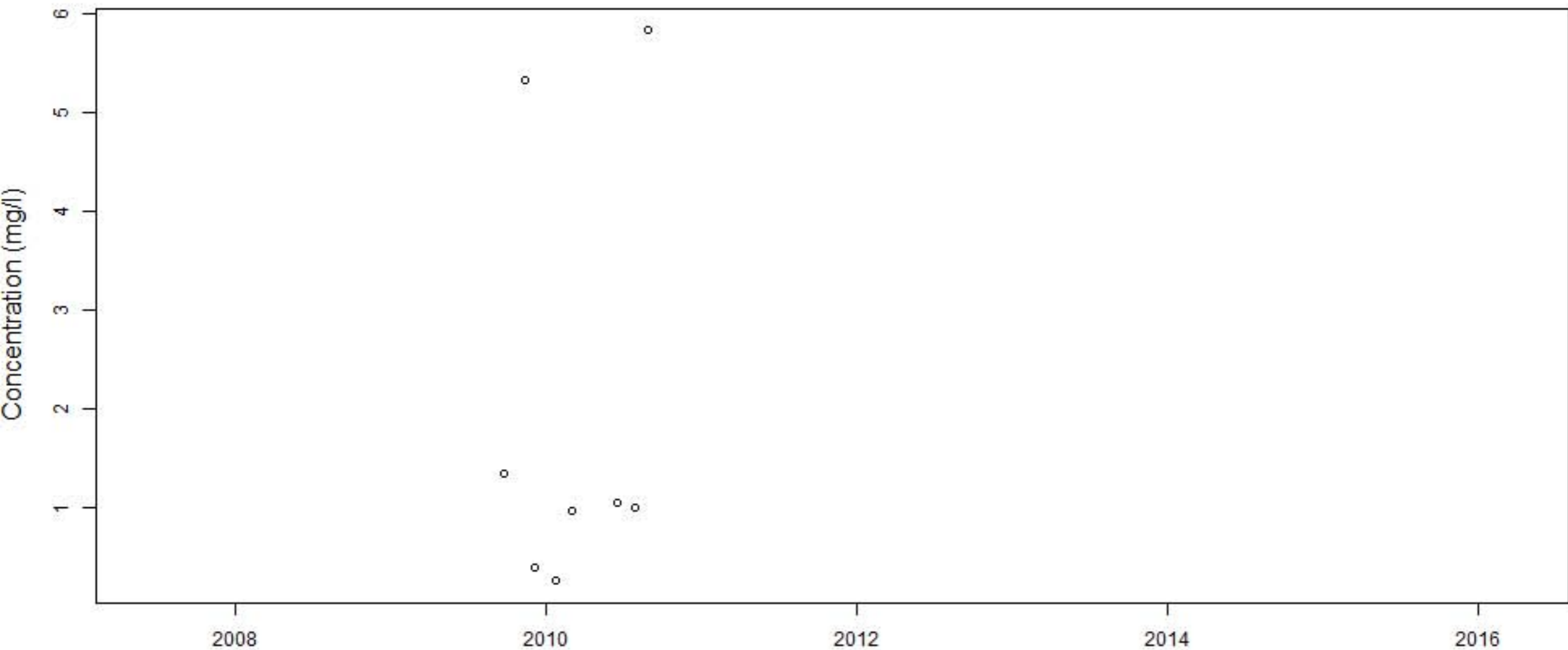
# Christine.Place.Comp



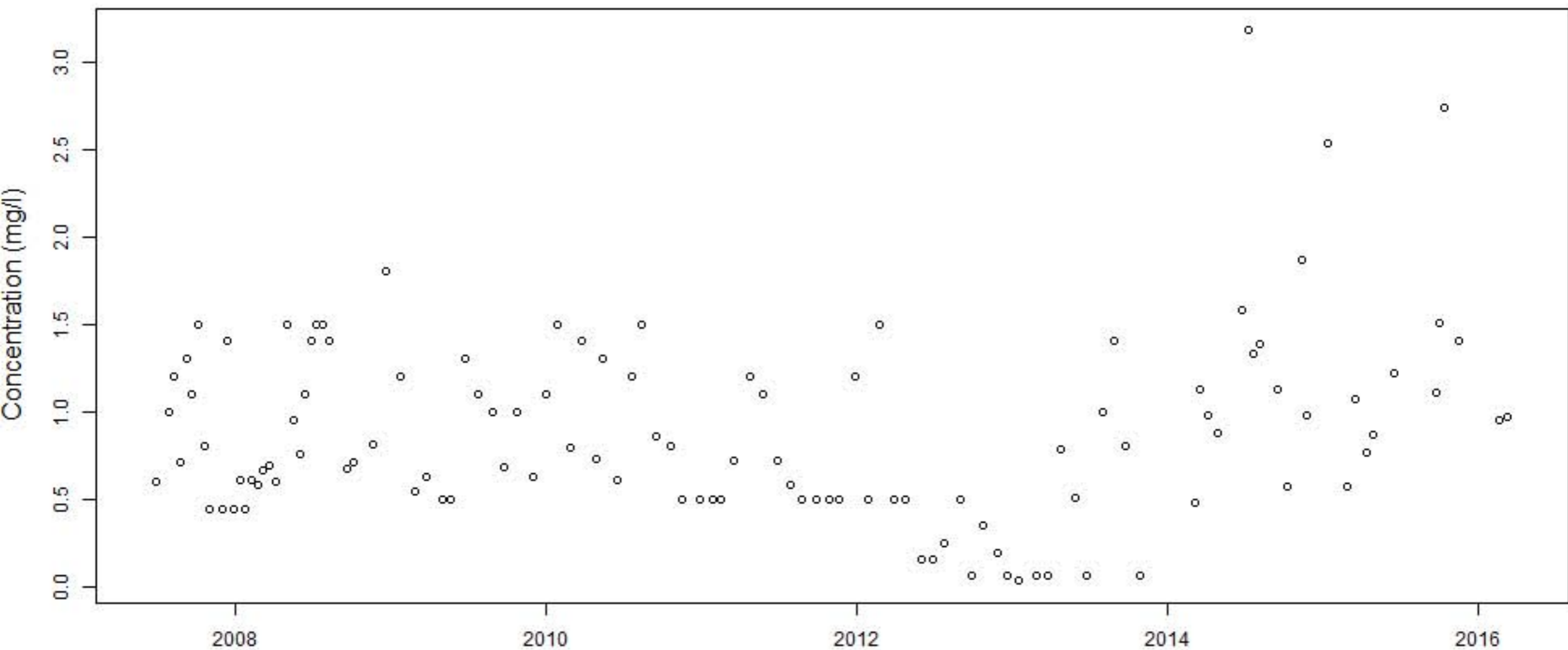
# Christine.Place.Grab



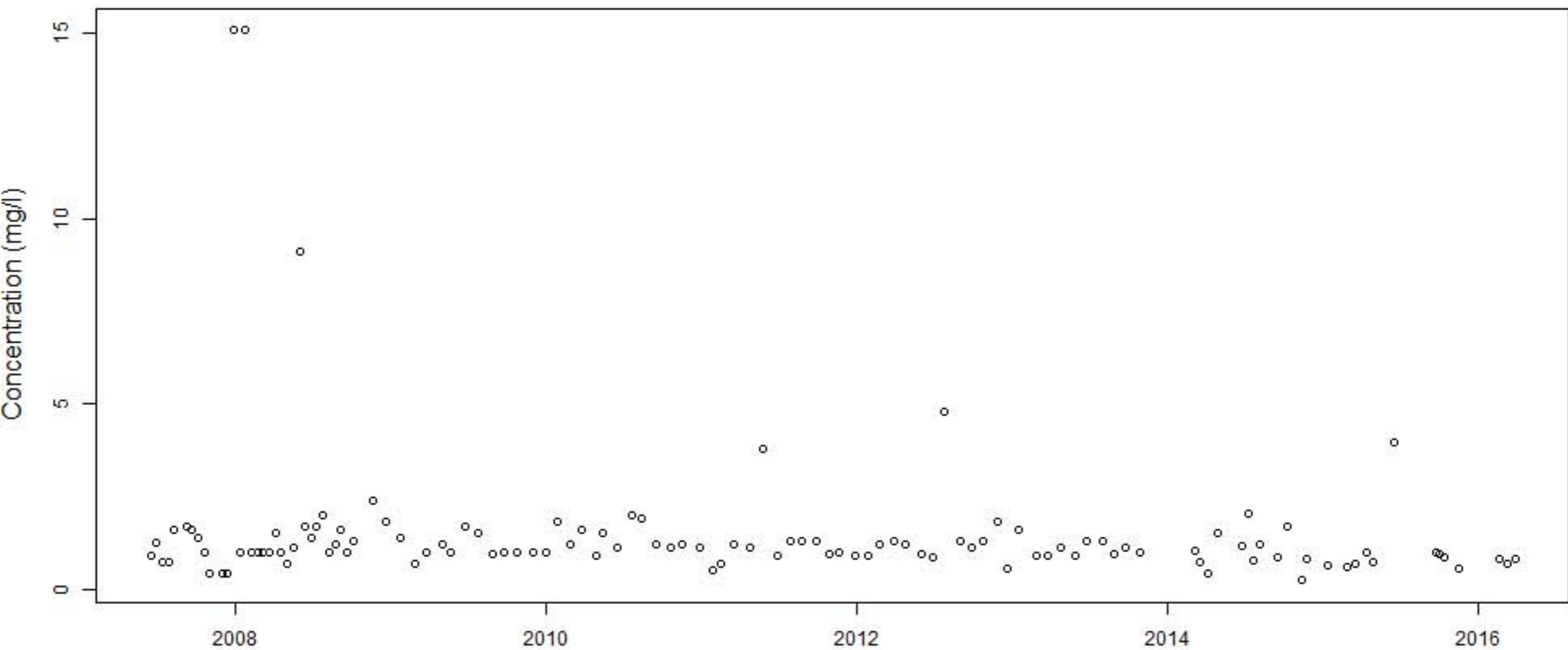
# Christine.Place.R



# CRACKER.BARREL

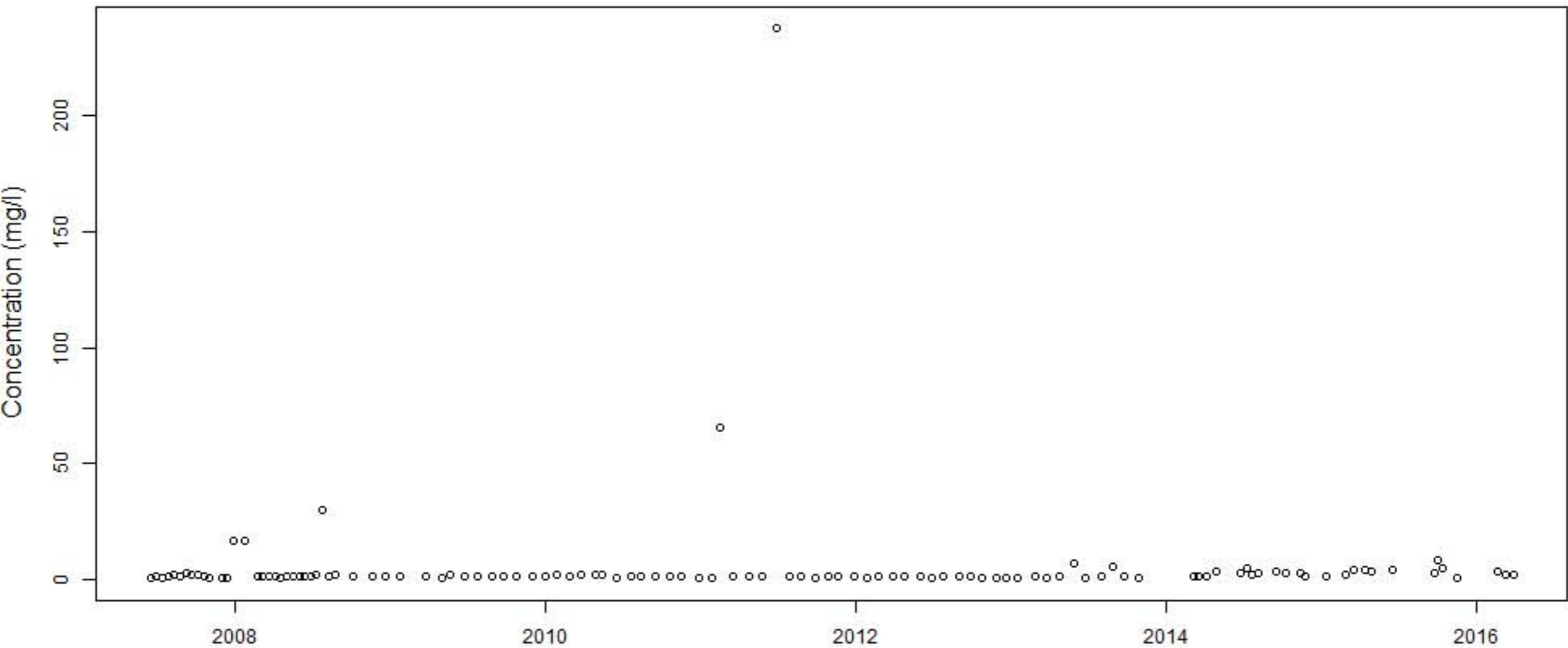


# CREATION.STATION

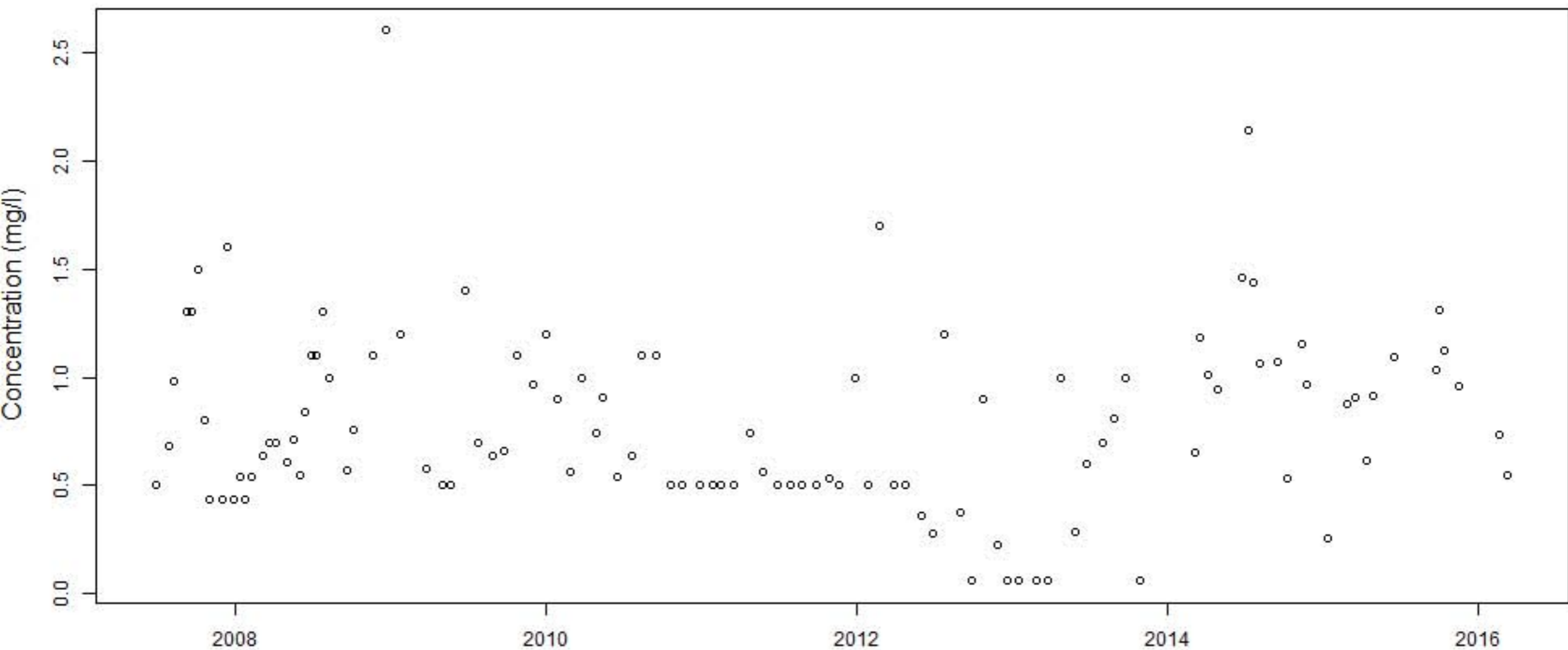




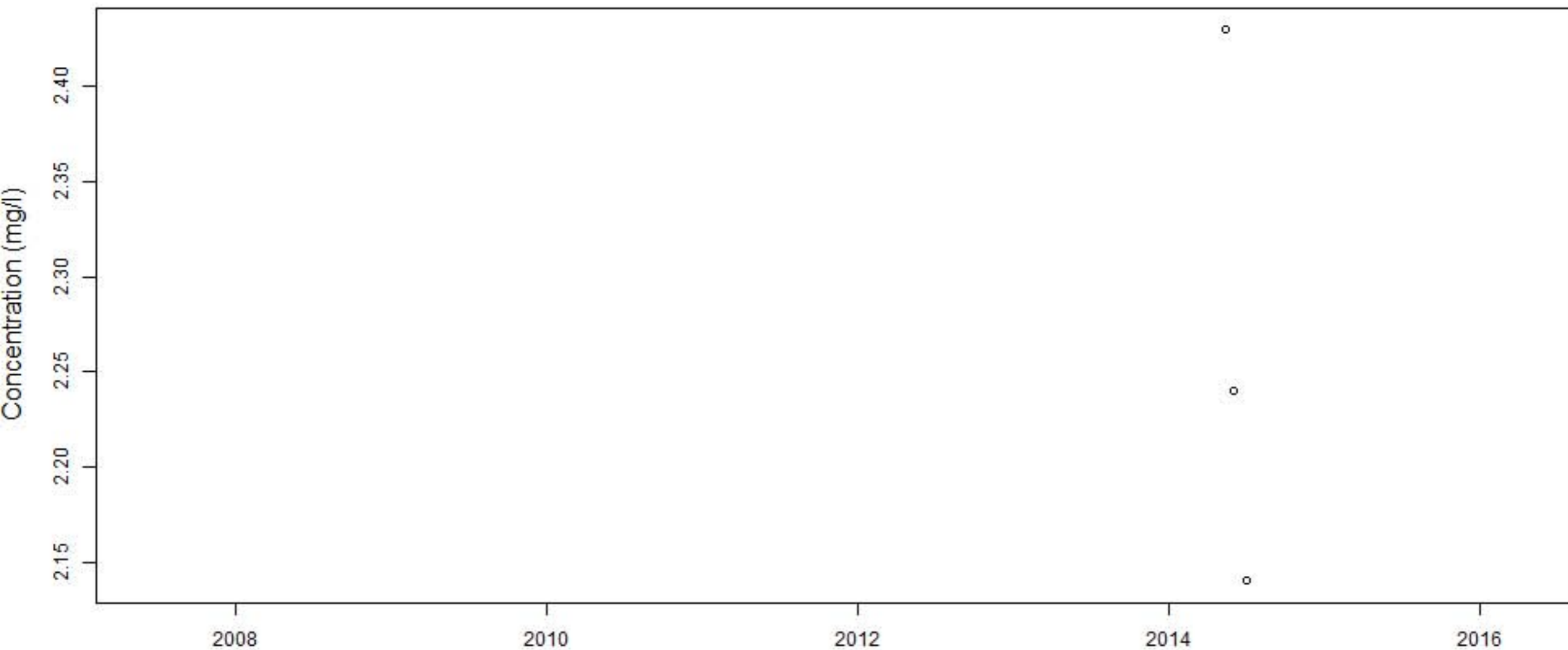
# CSA



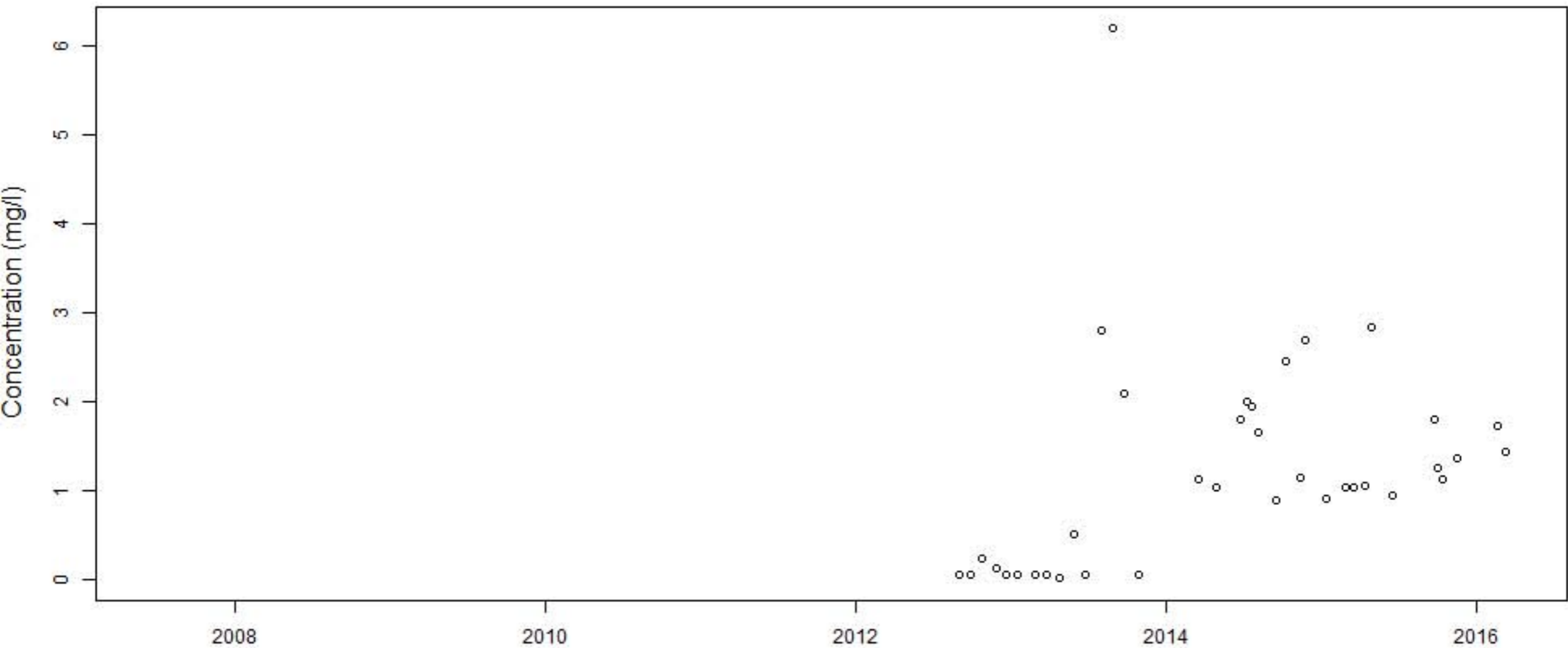
# DISNEY



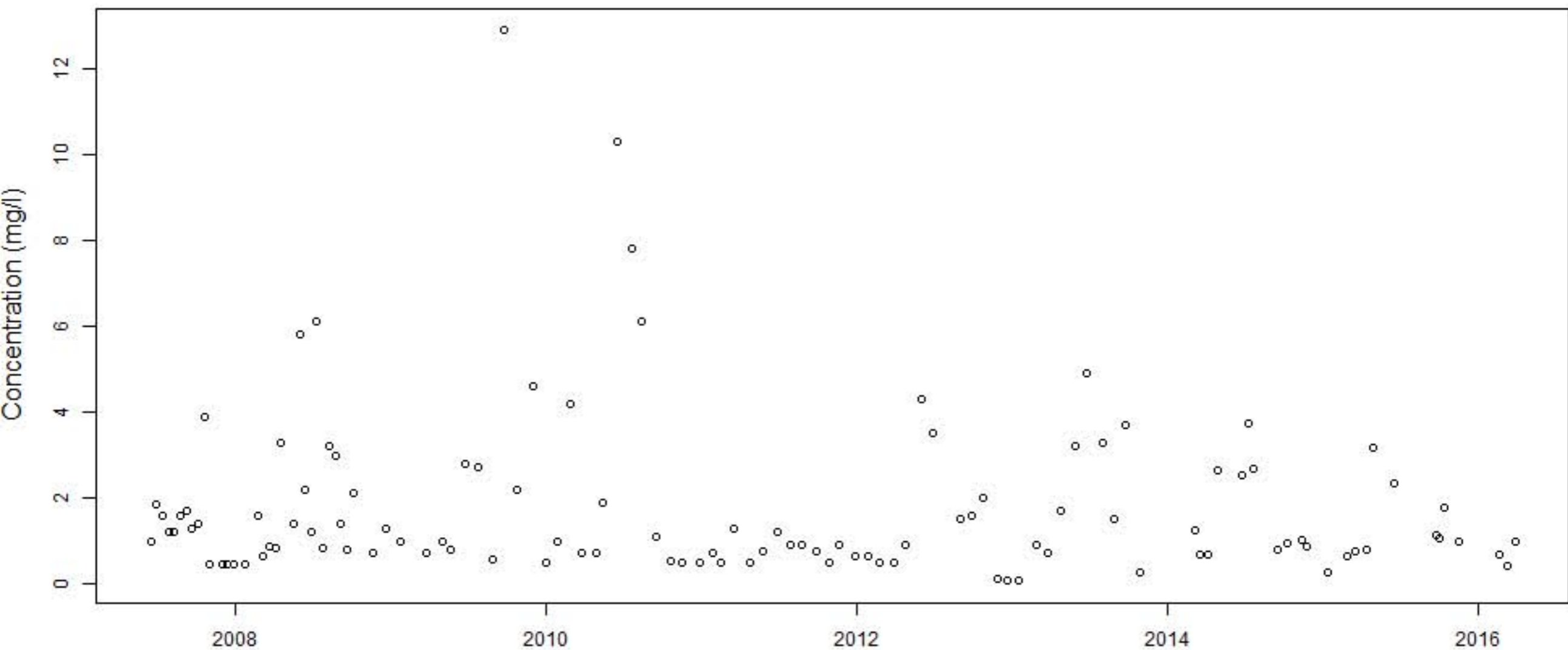
EXECUTIVE.PARK.ROAD.107



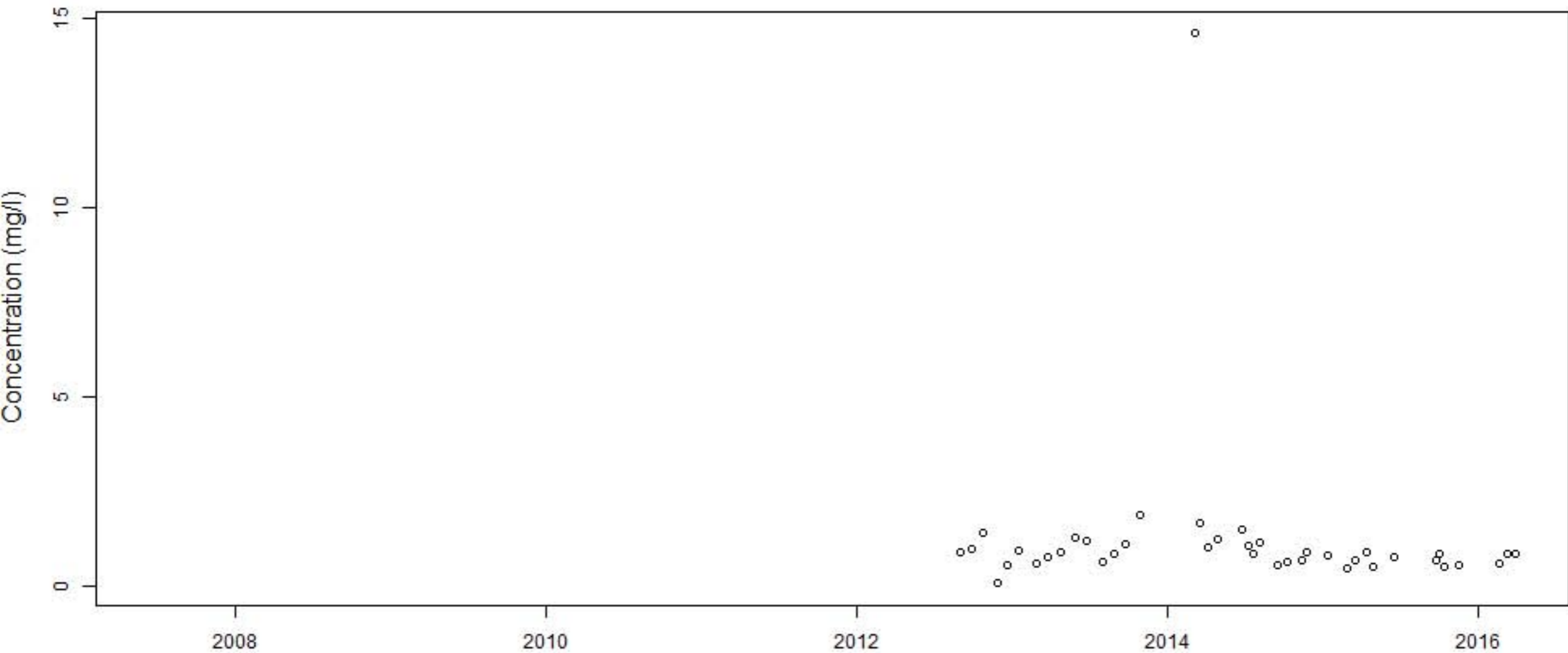
# FISH.HAUL



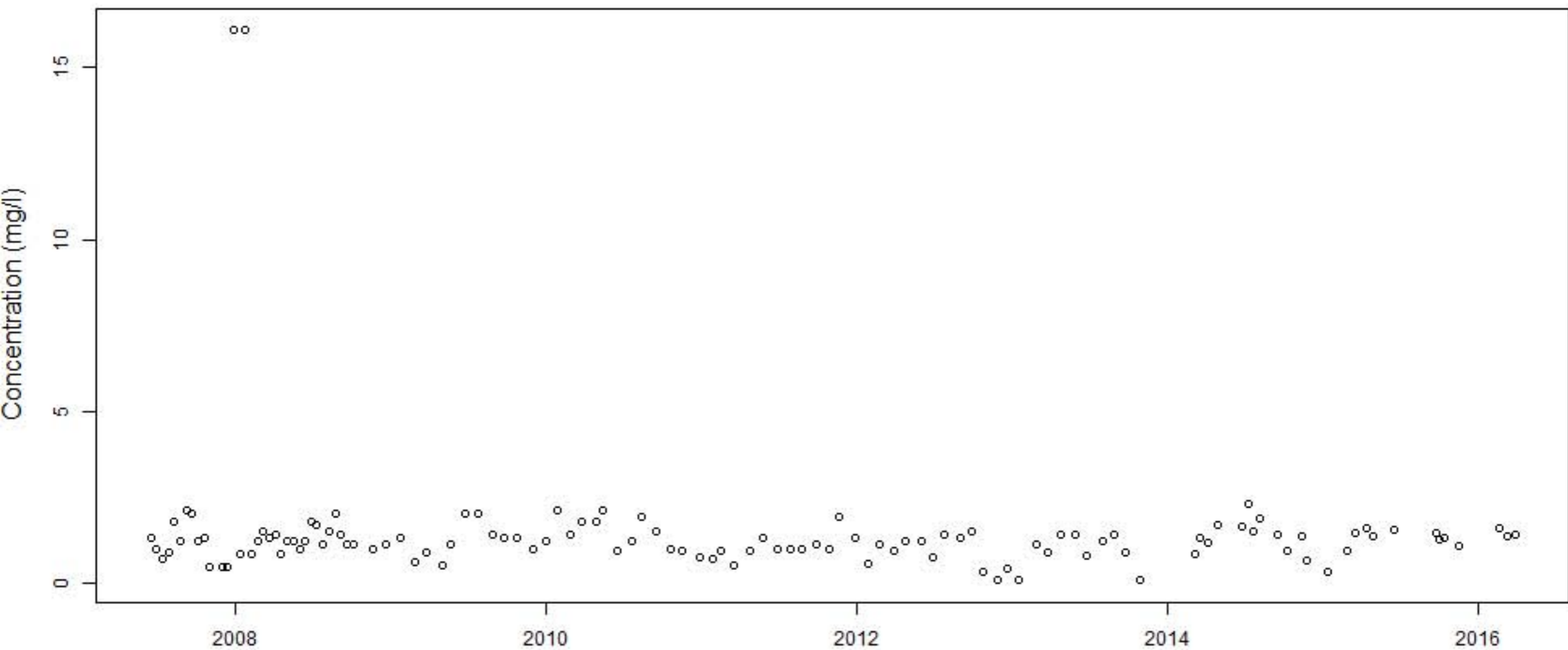
# GUM.TREE



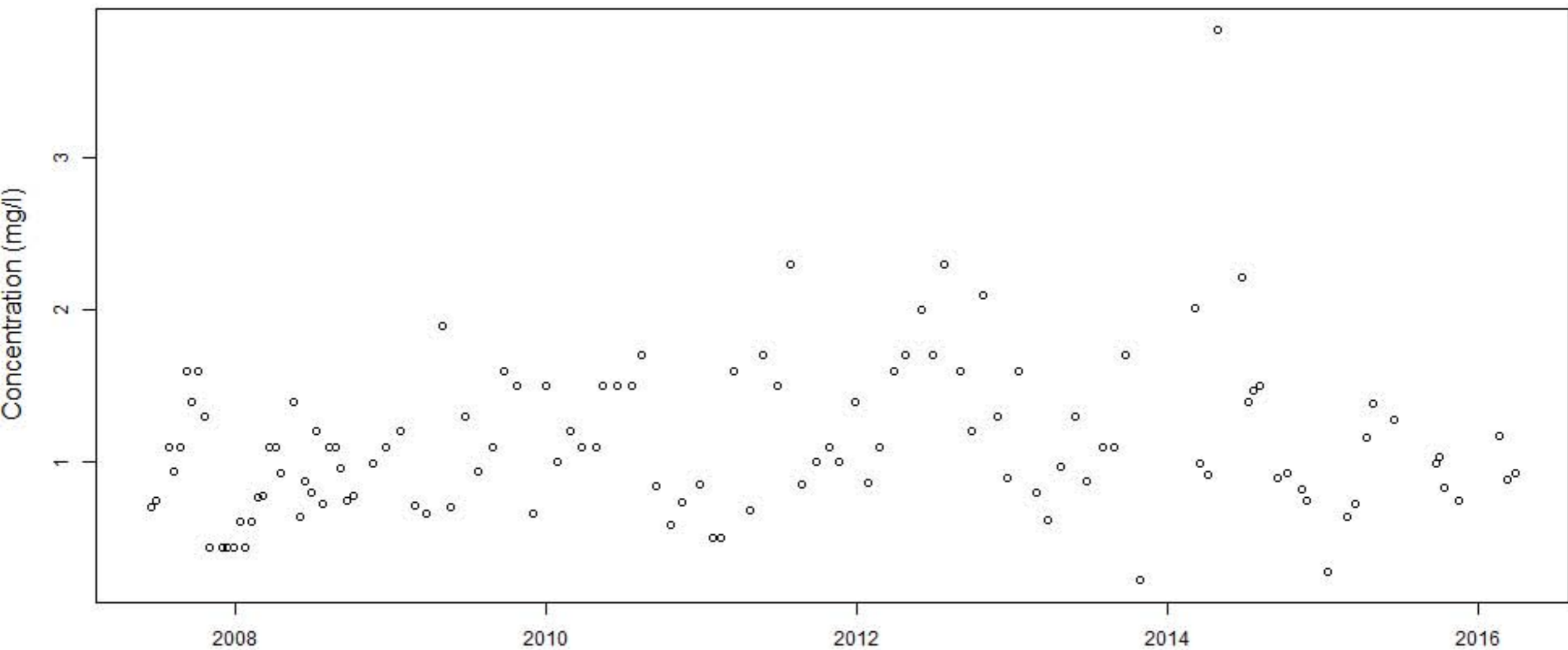
# HARBOR.MANOR



# HILTON.HEAD.PREP

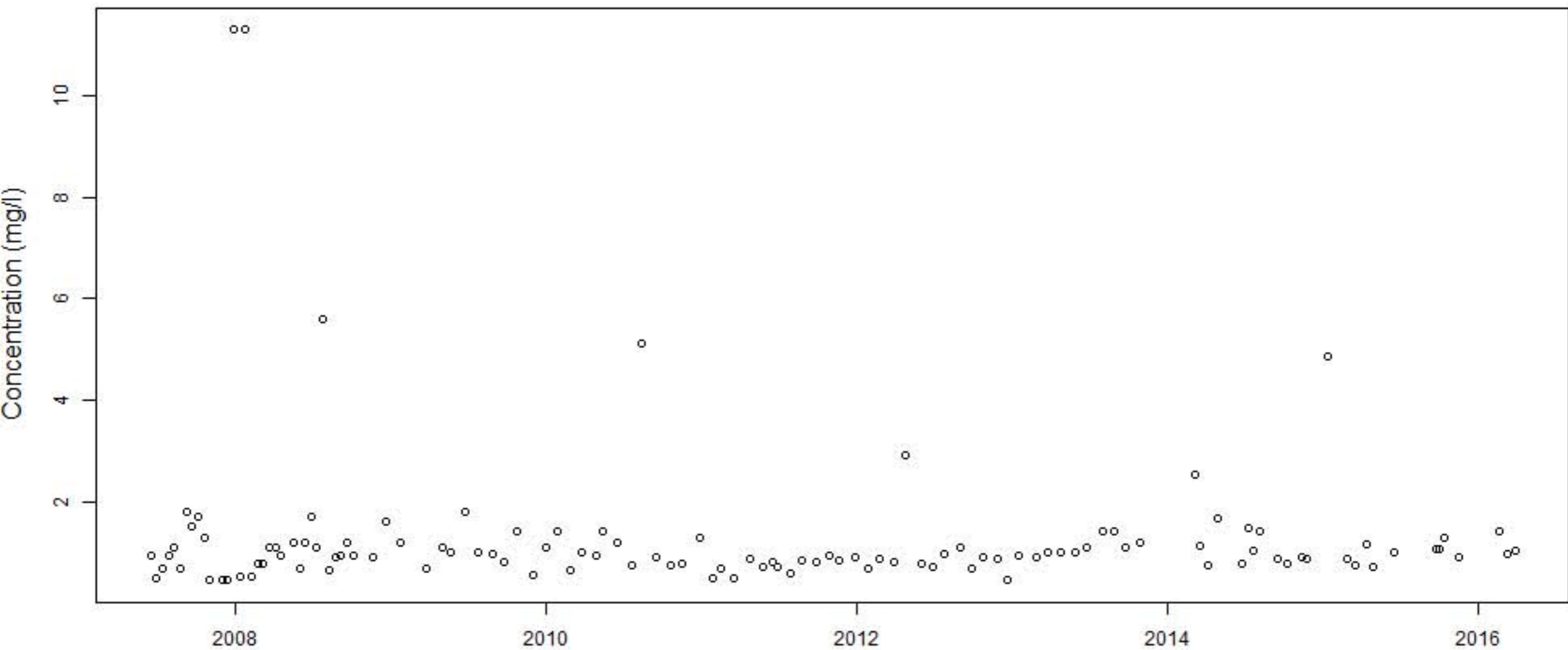


# JARVIS.1

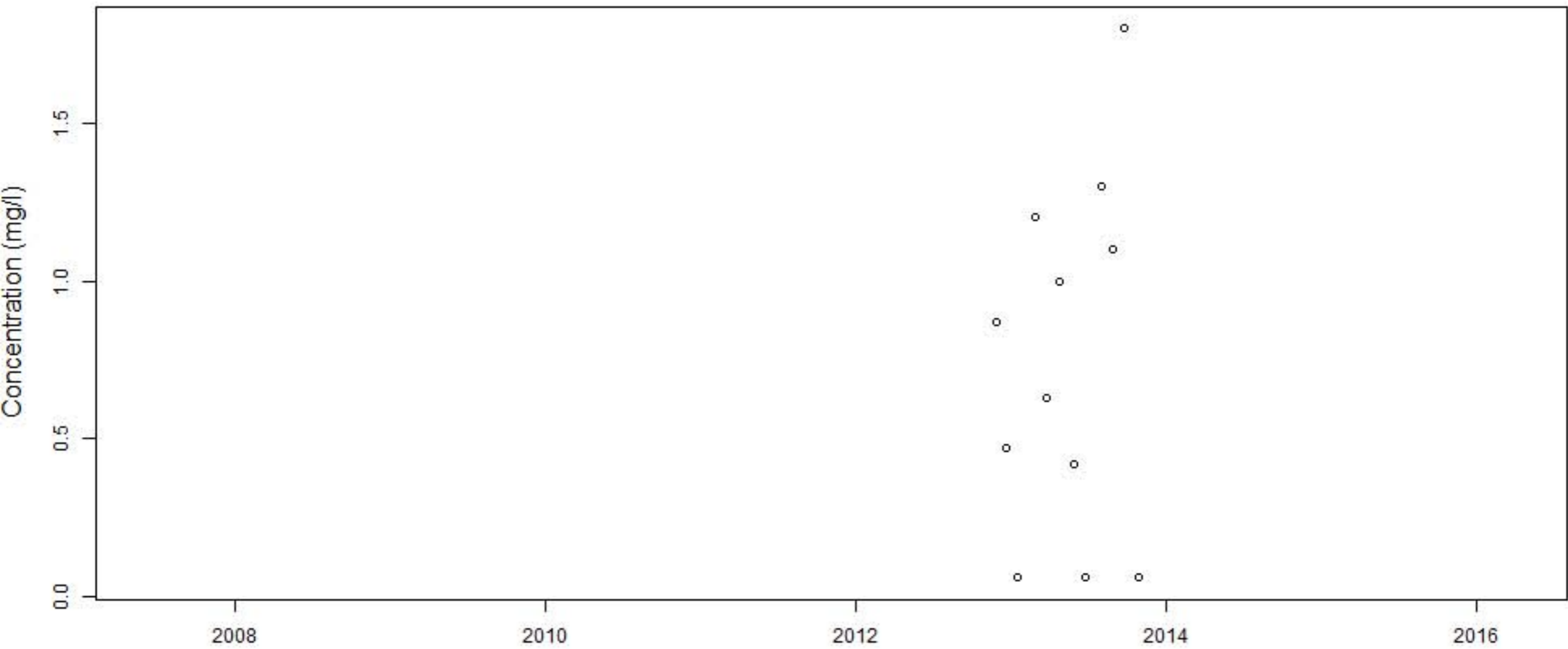




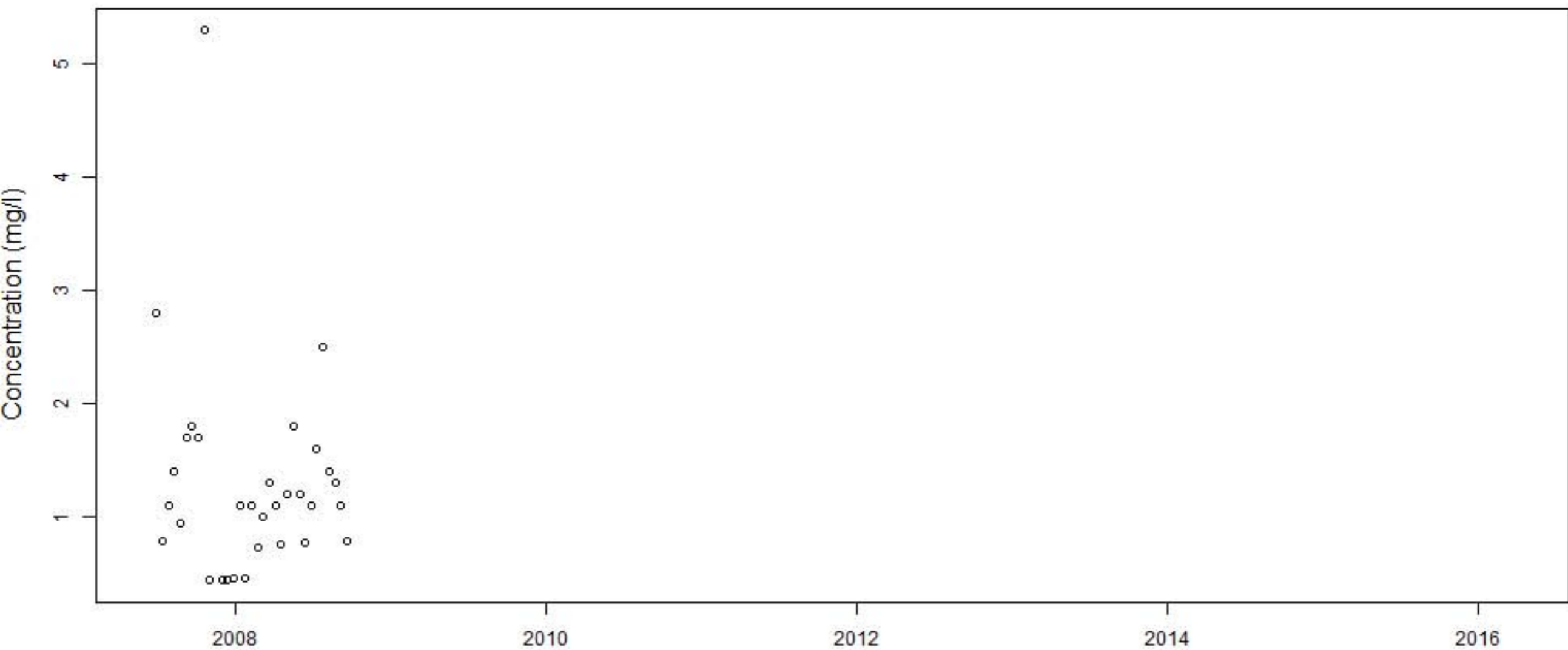
# JARVIS.2



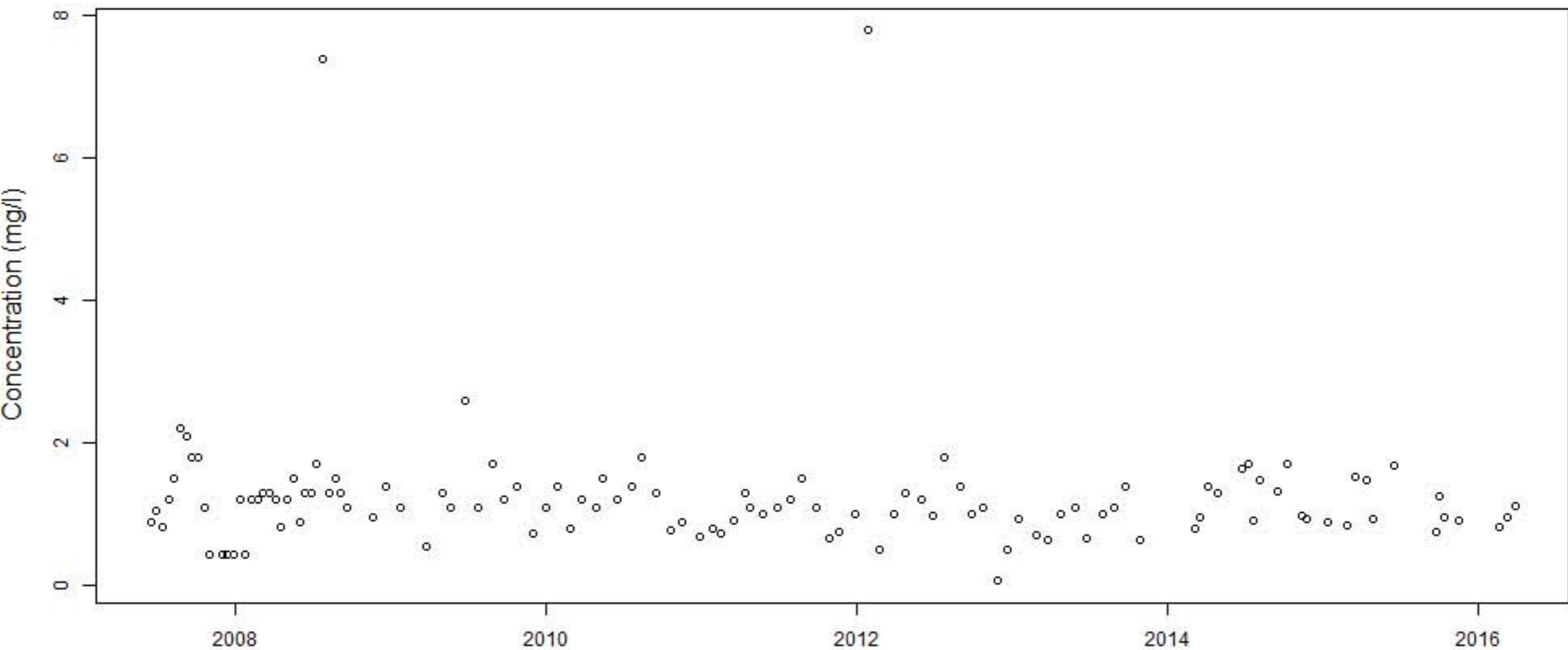
# JARVIS.3



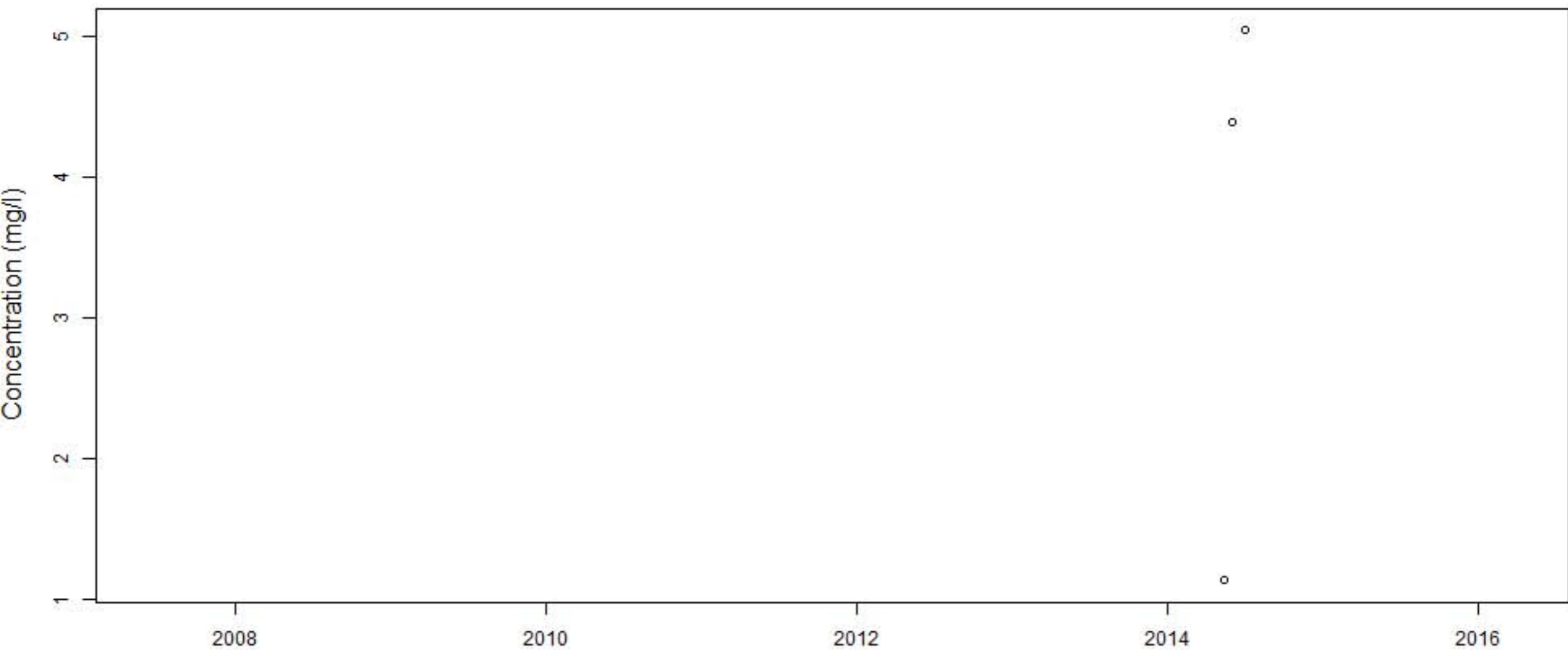
# MATHEWS.1



# MATHEWS.2



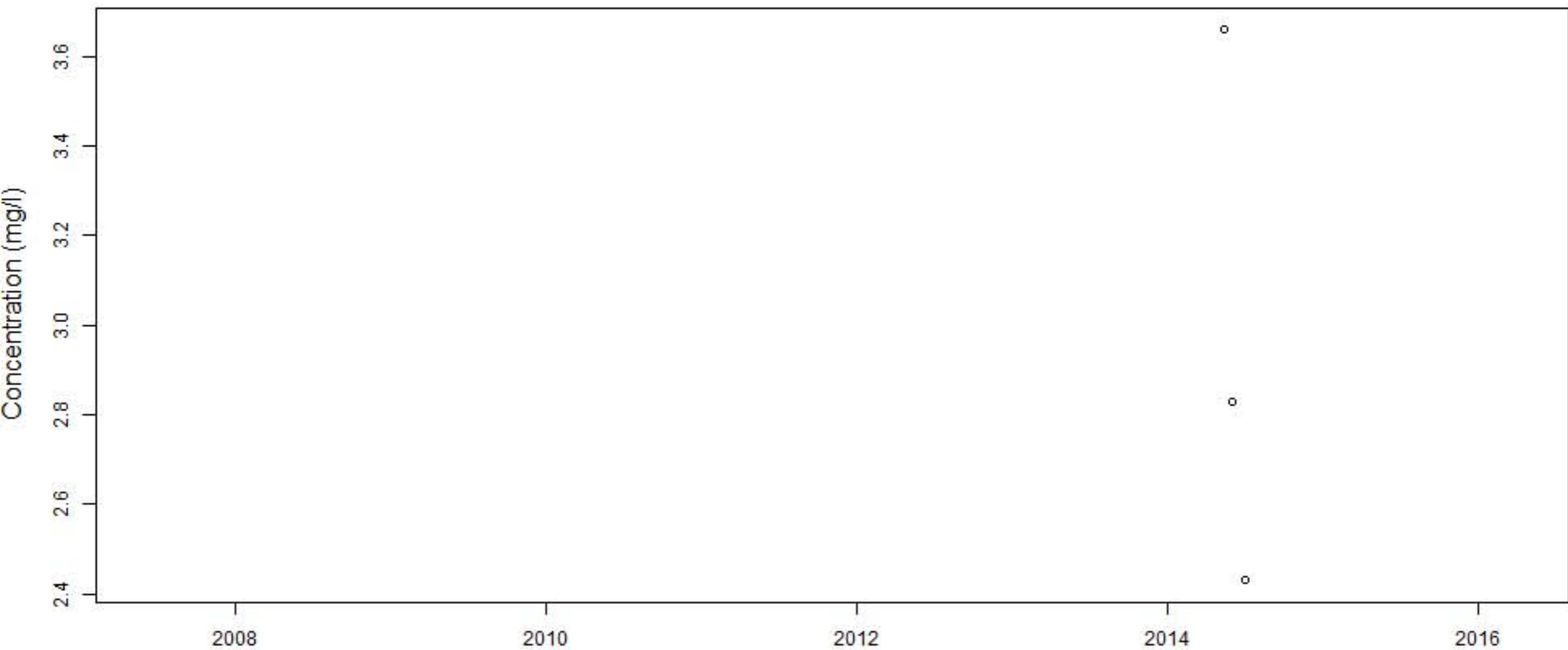
MATHEWS.DRIVE.104





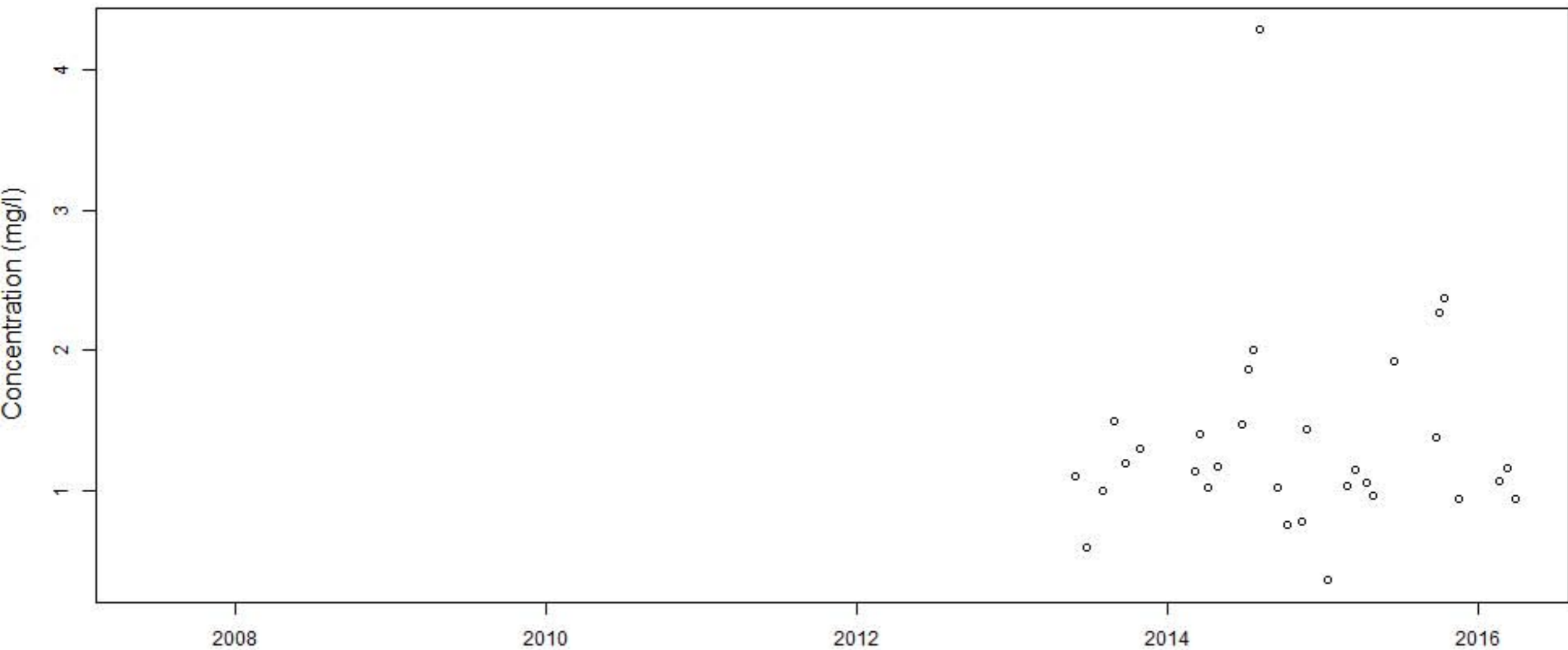


OFFICE.PARK.ROAD.106

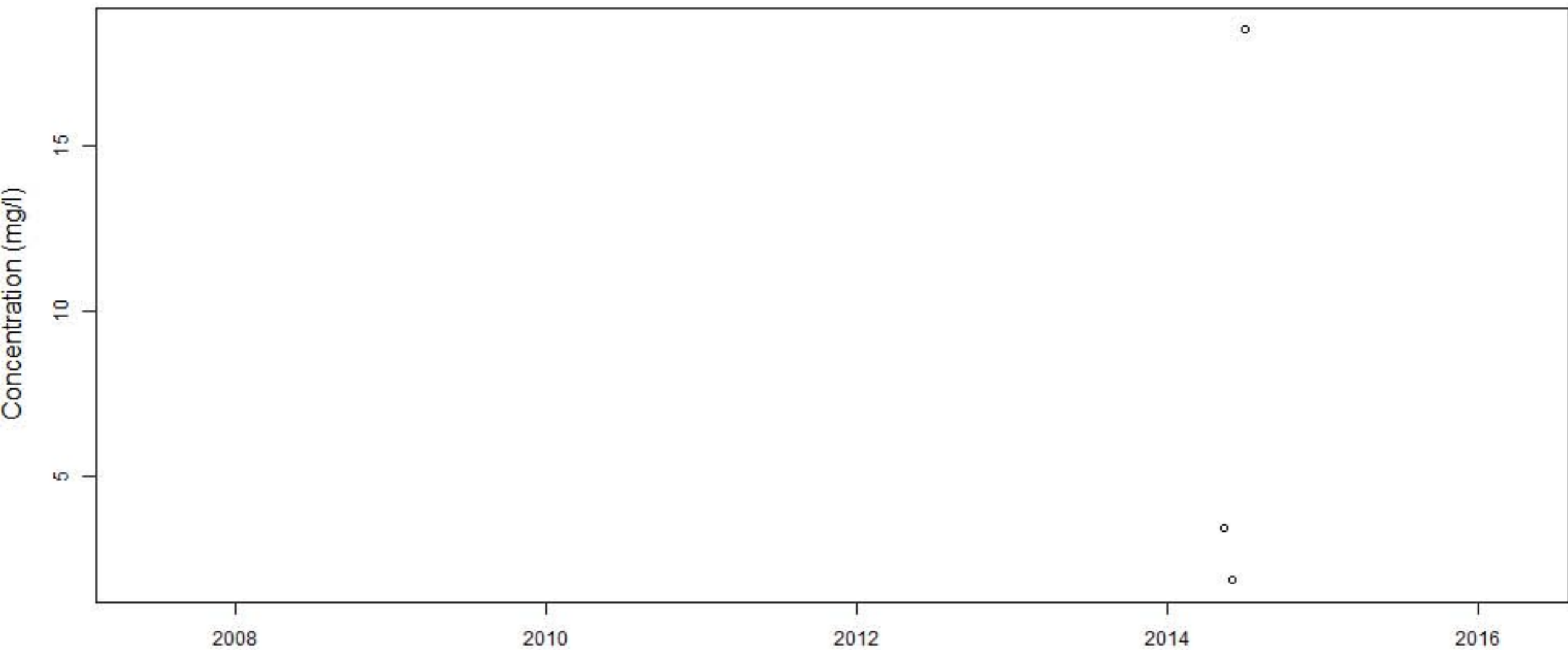




# PALMETTO.DUNES

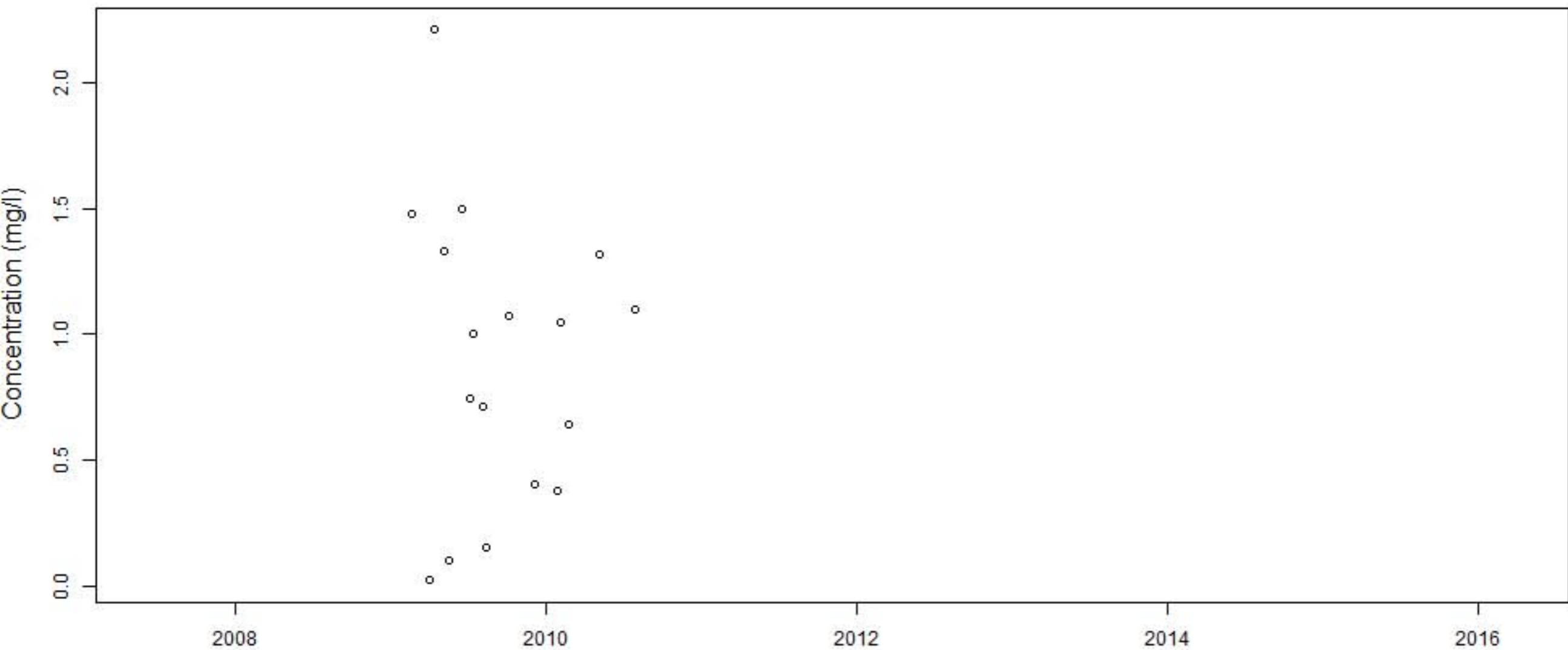


POPE.AVENUE.105





# Southside.Comp

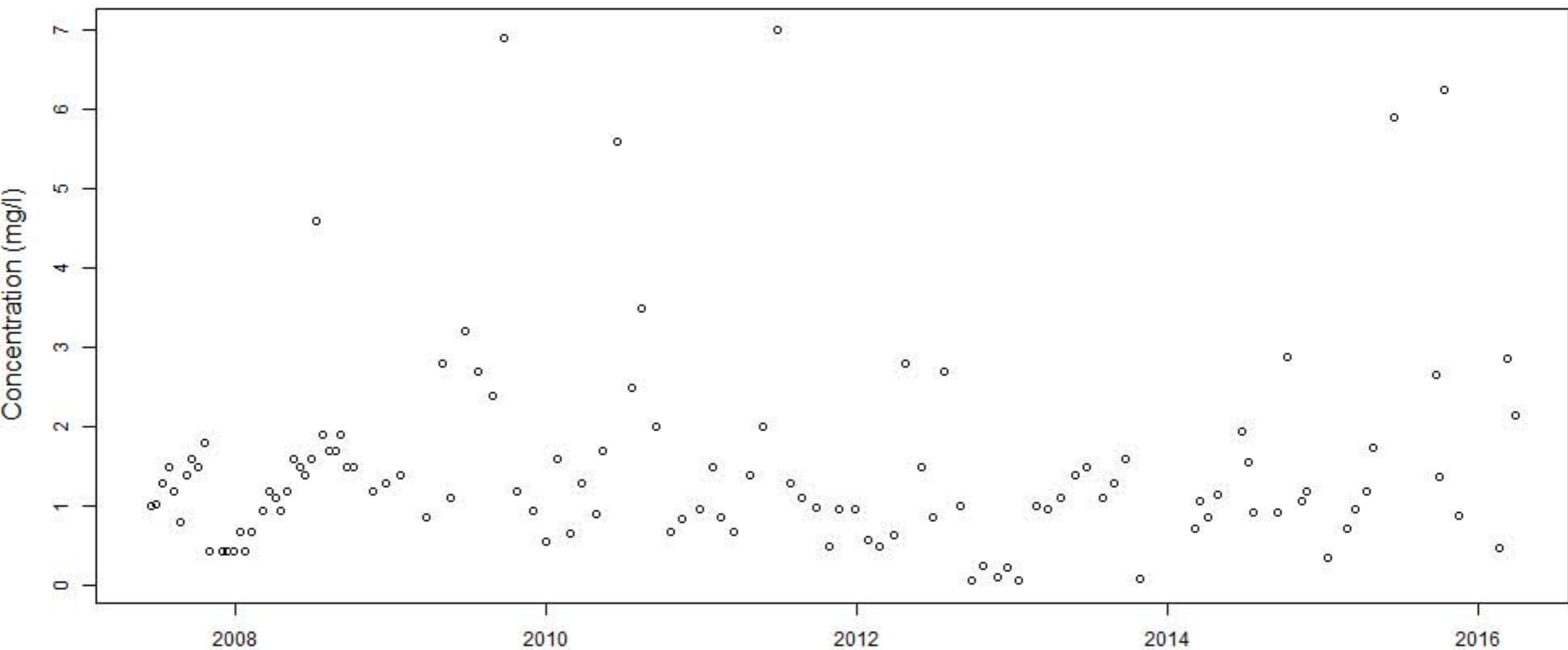






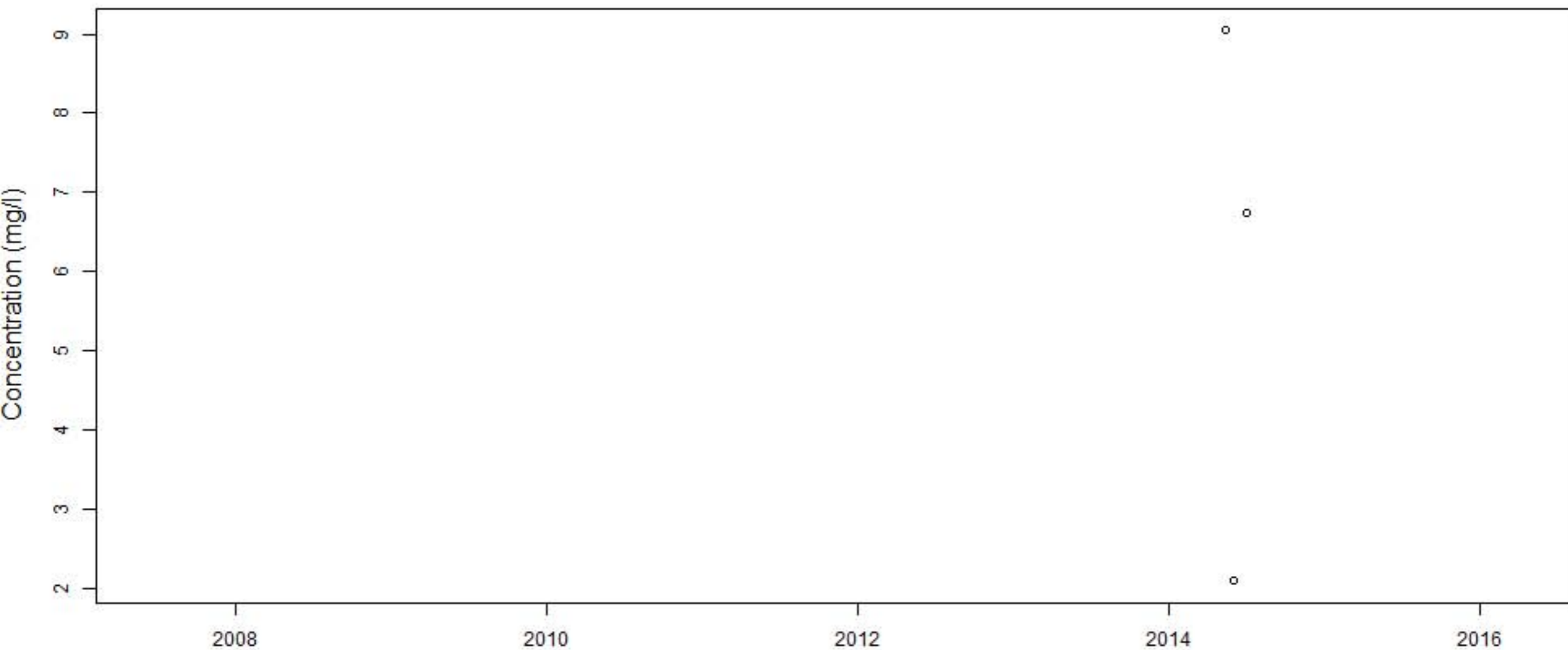


# WILD.HORSE



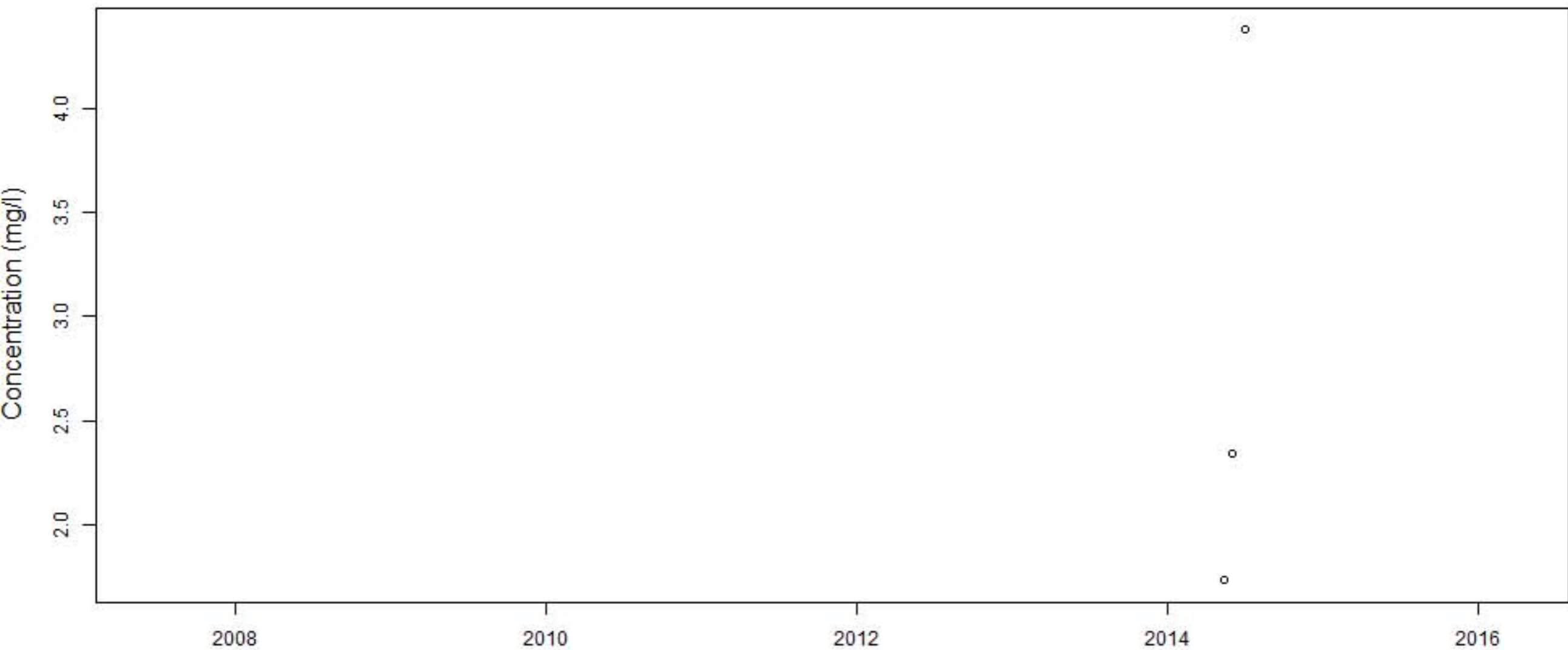


WILLIAM.HILTON.PARKWAY.103

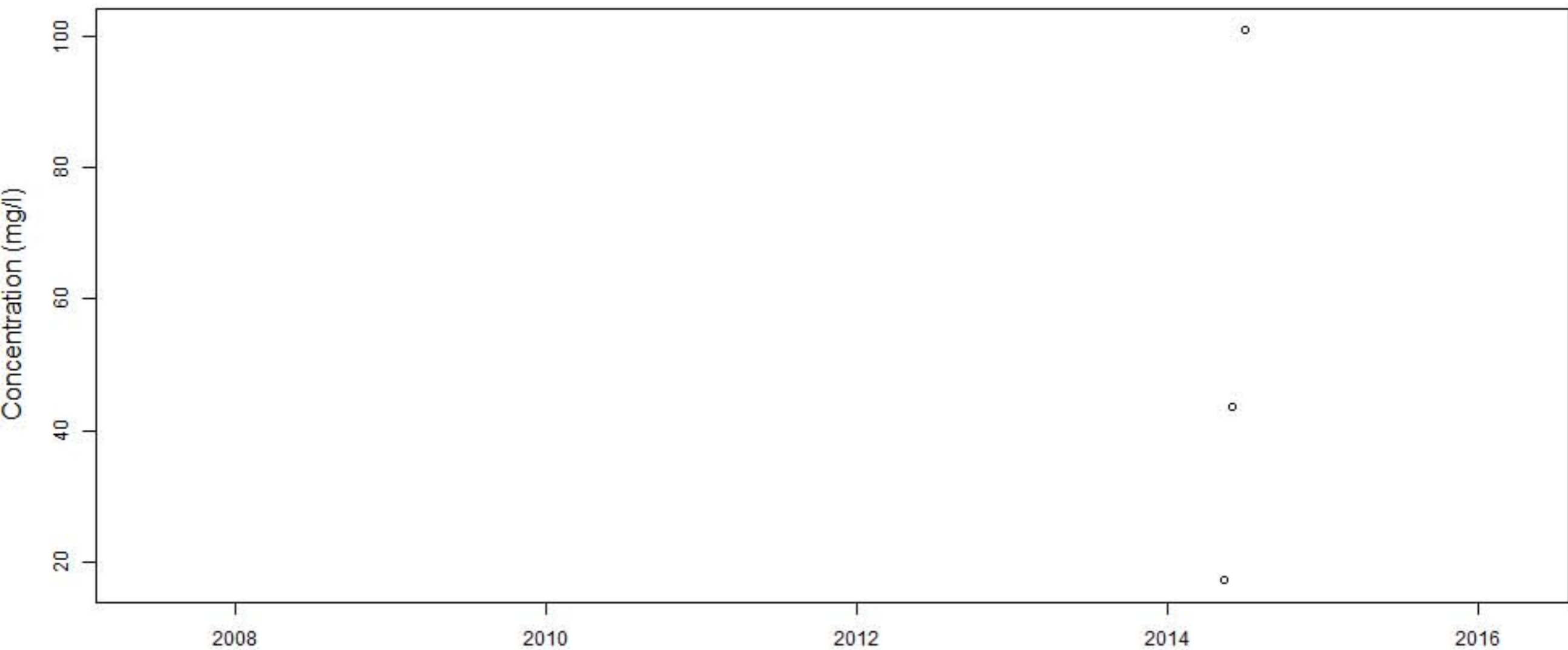


Timeseries of  
Total Nitrogen  
Water Quality Data  
Collected at  
Beaufort County Stations

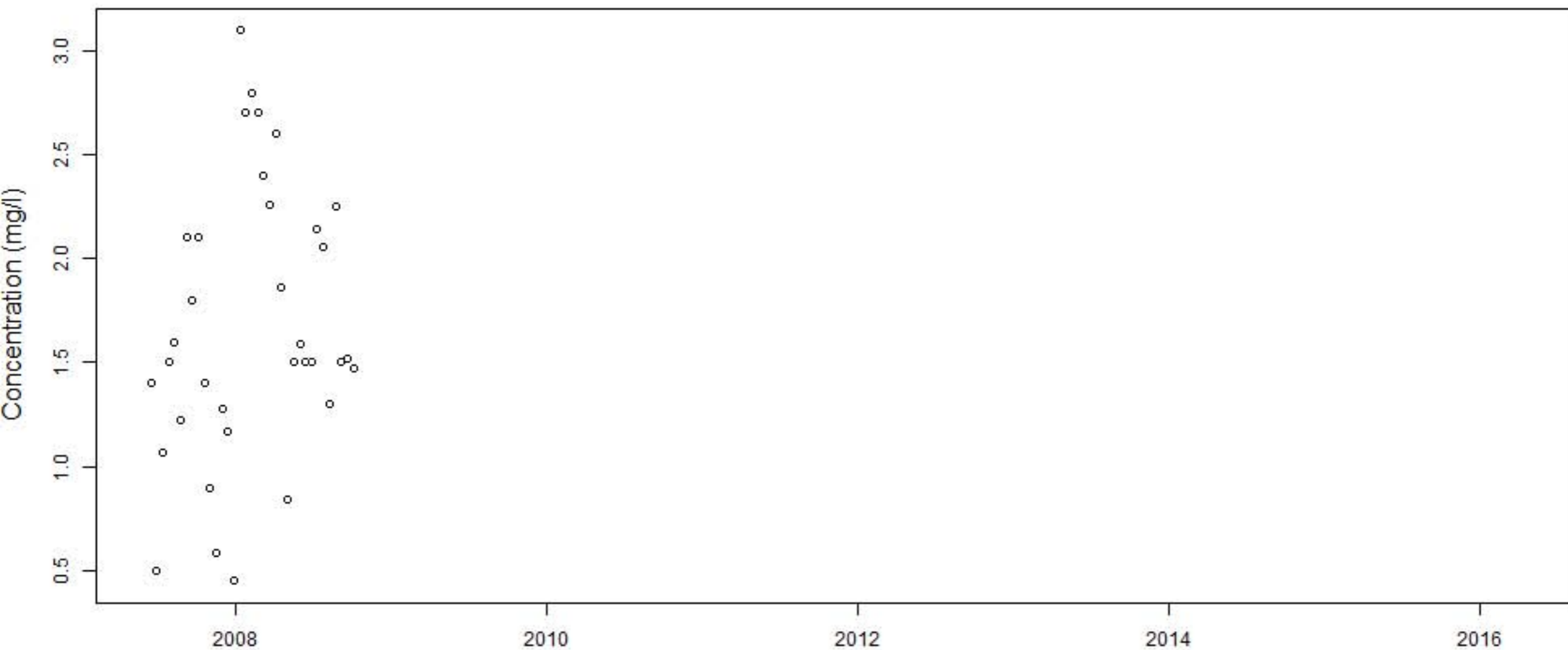
ARROW.ROAD.101



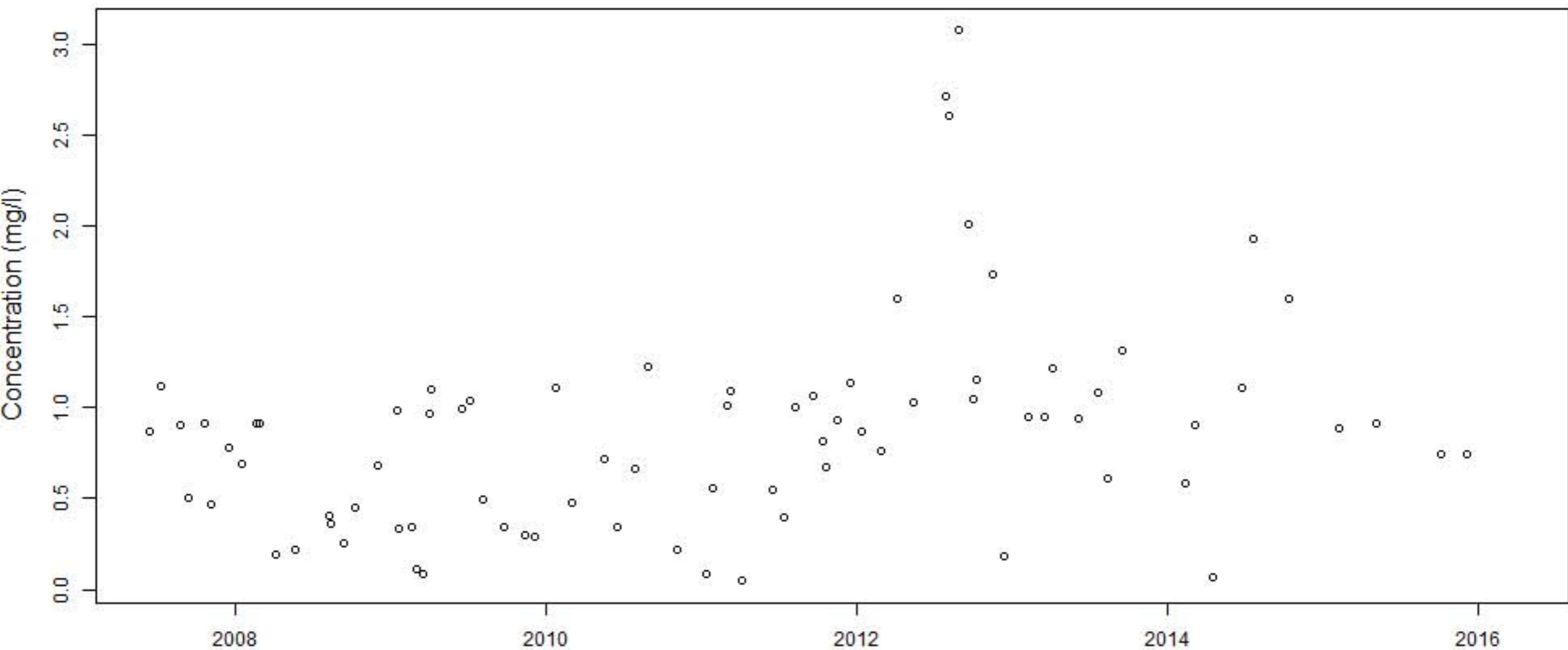
# ARROW.ROAD.102



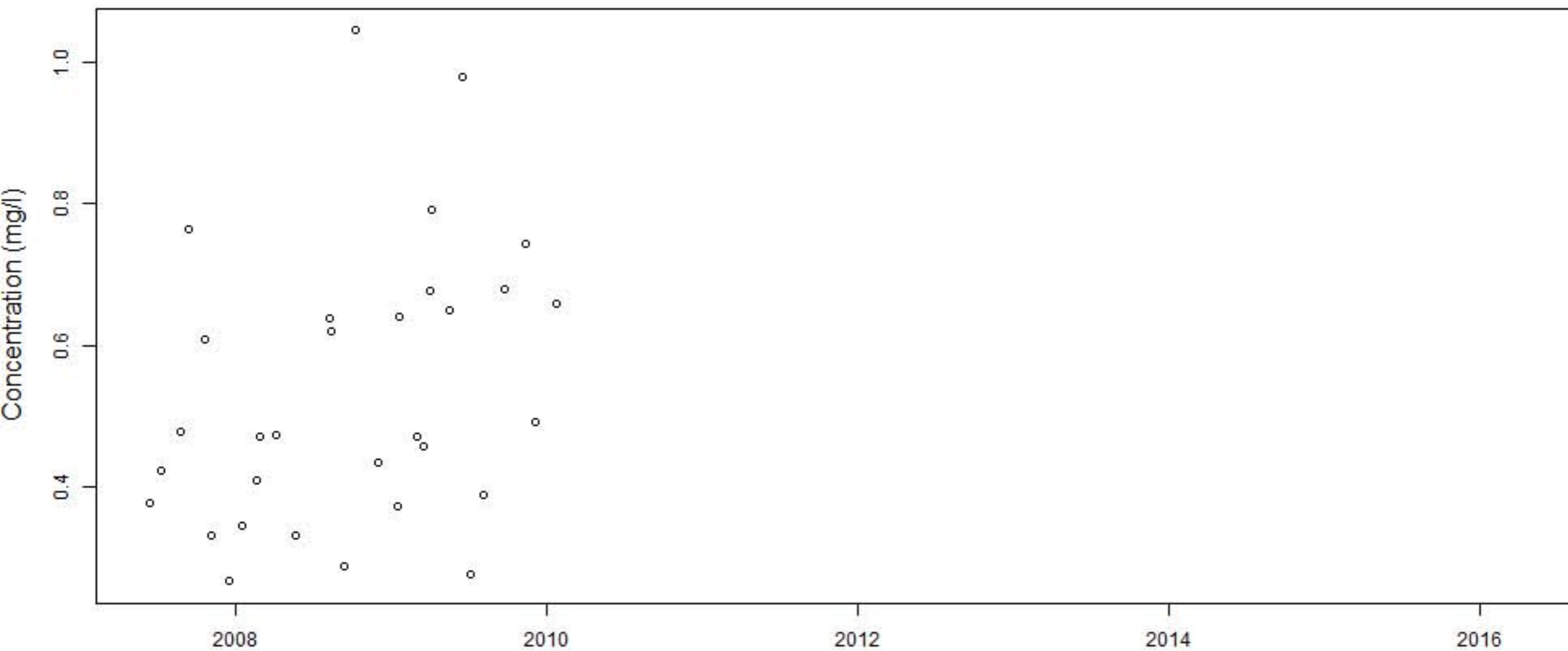
# ASHMORE



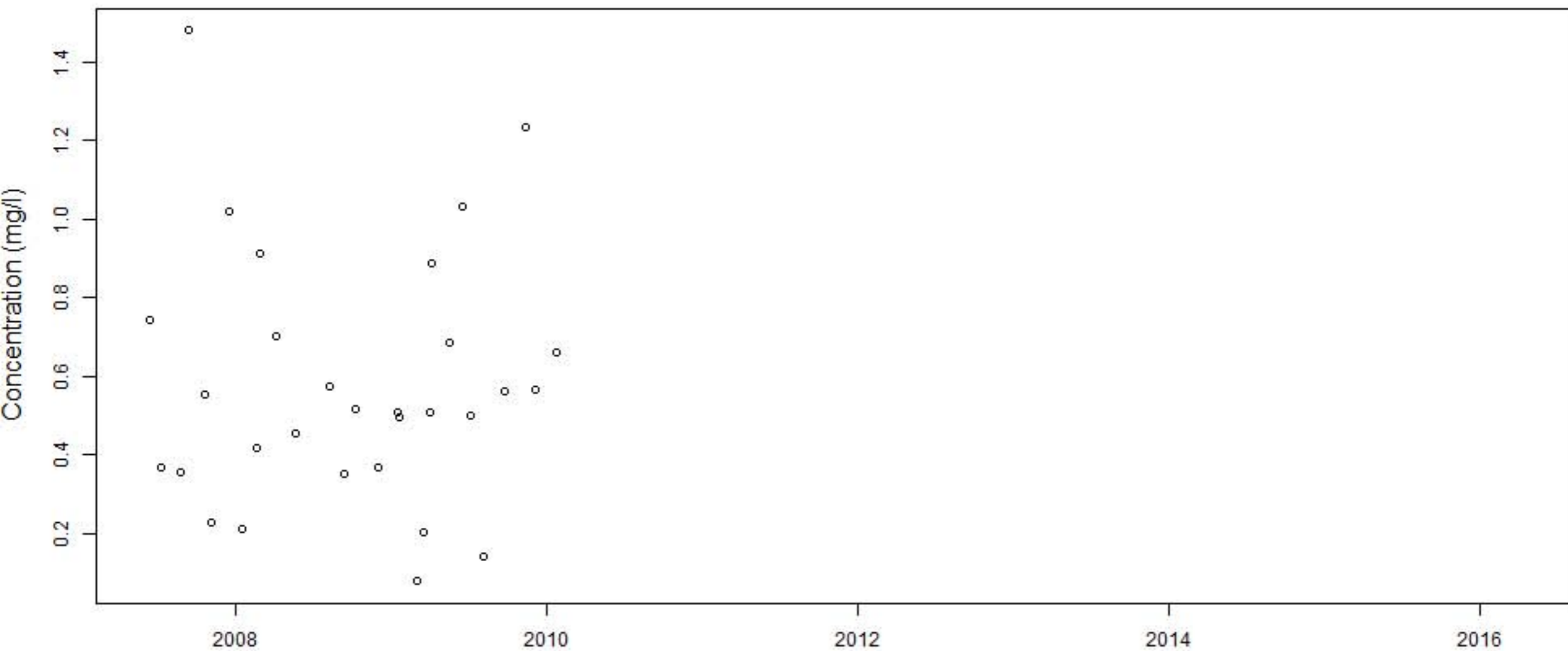
# BECY.1



# BECY.10

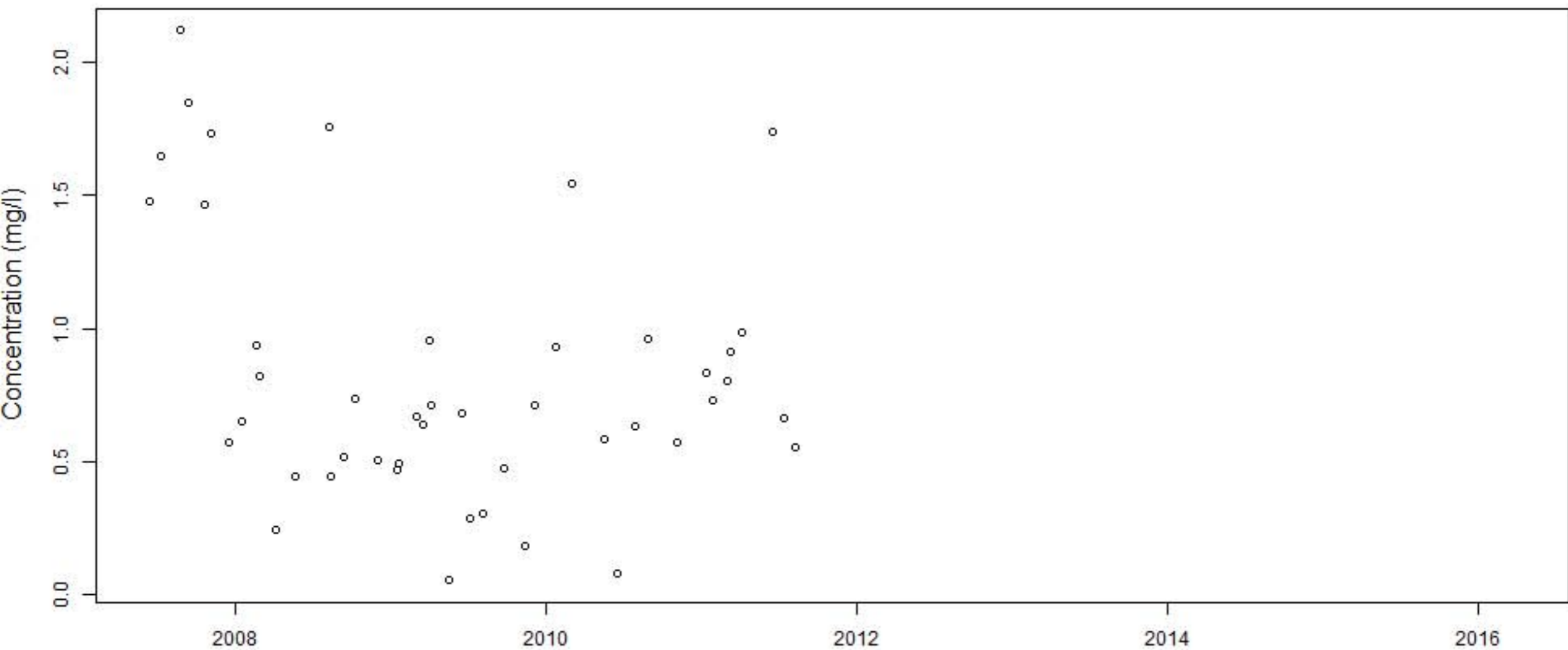


# BECY.11

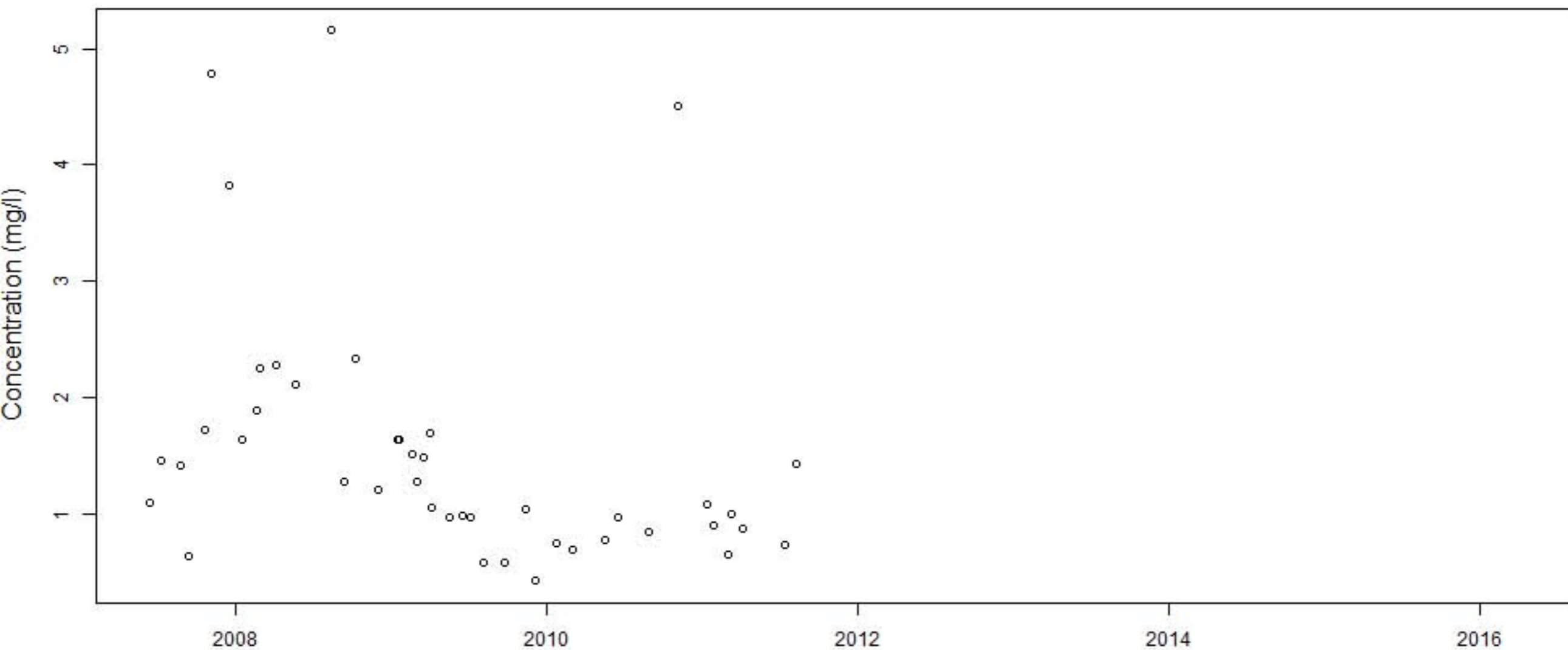




# BECY.12

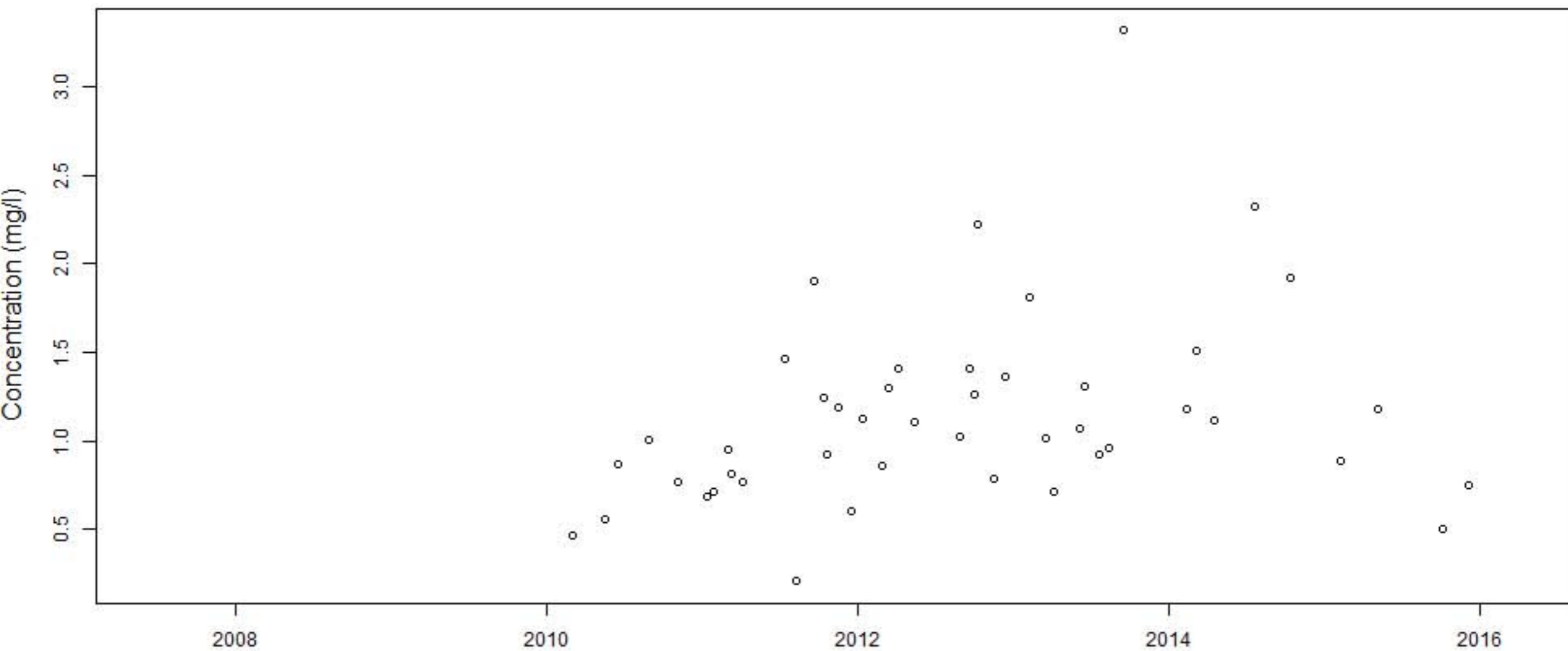


# BECY.13

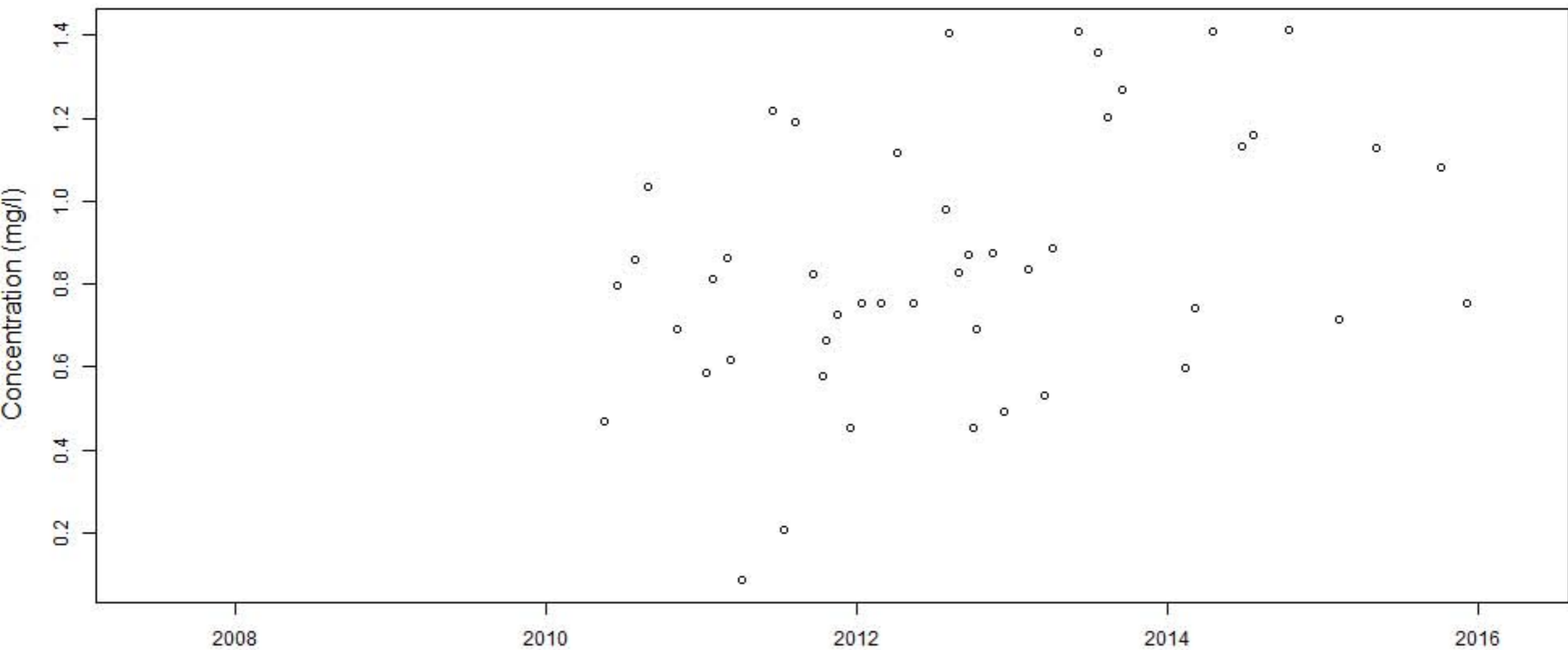




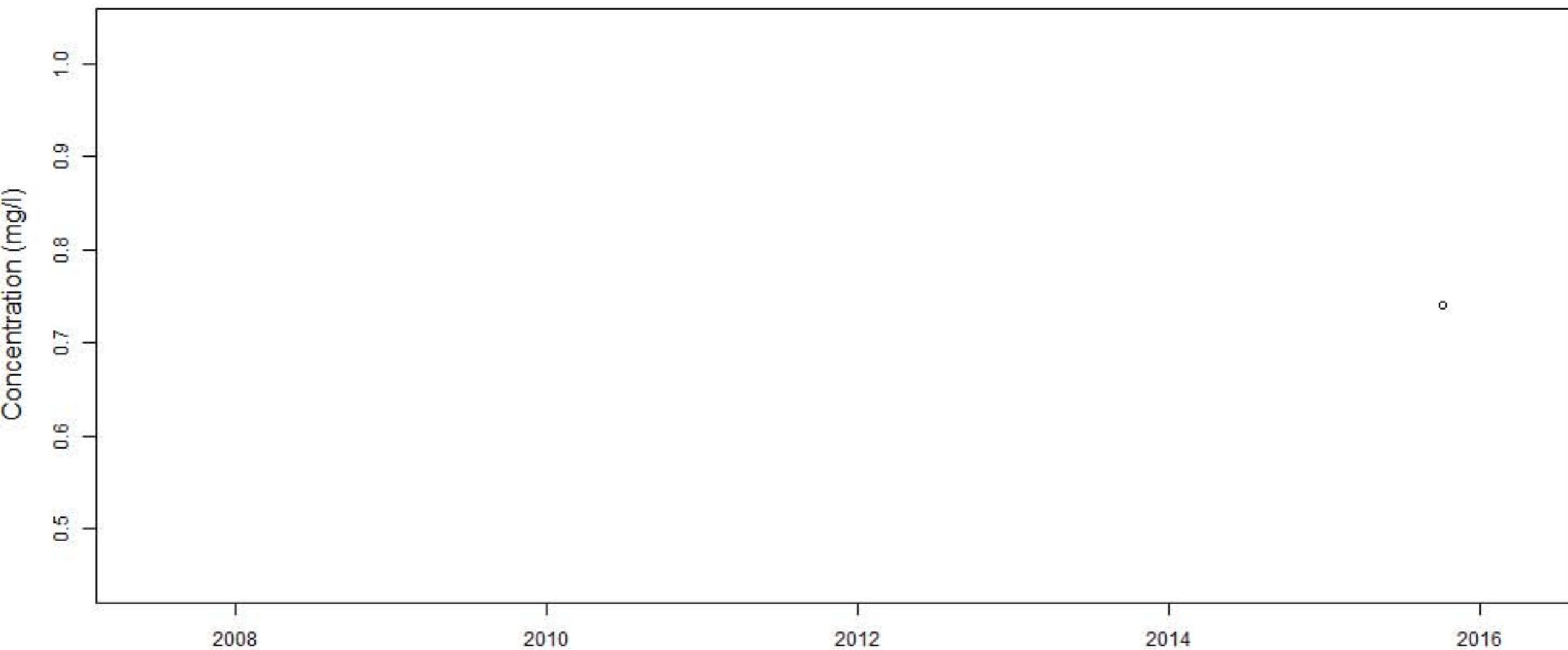
# BECY.15



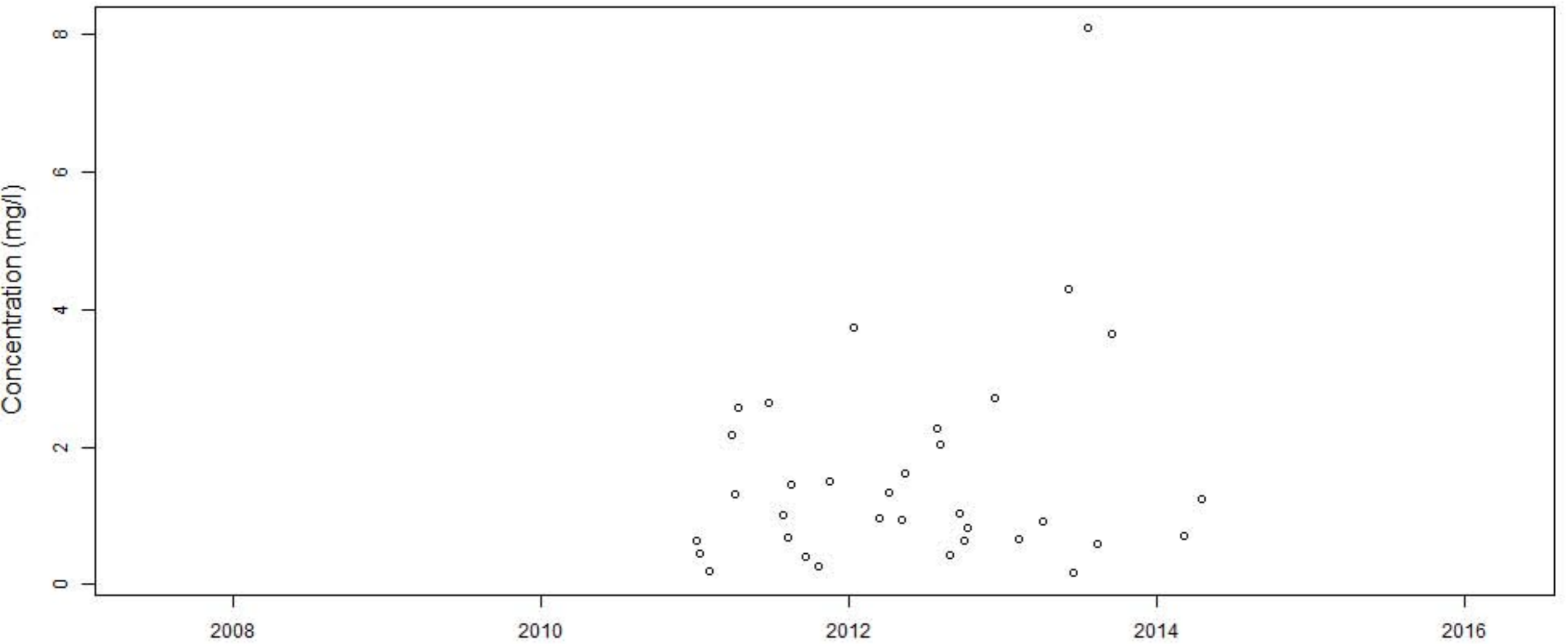
# BECY.16



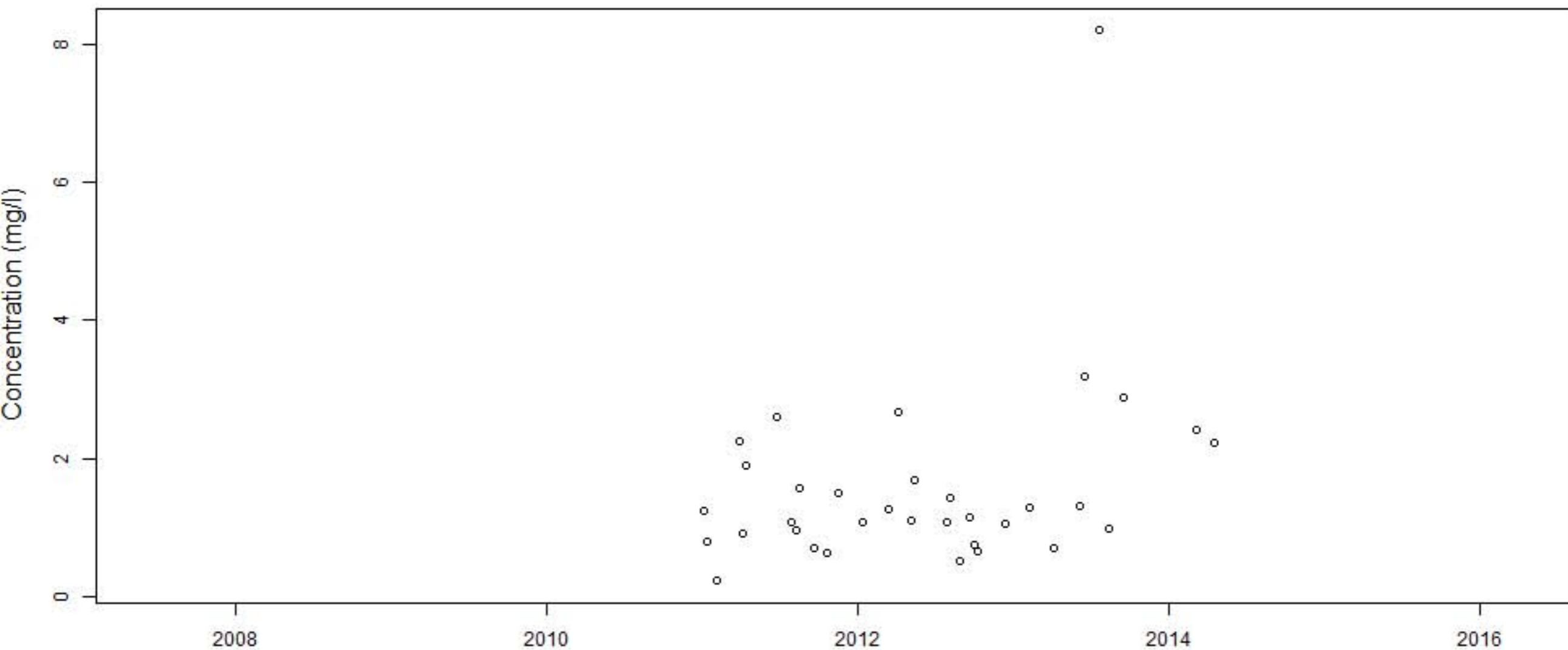
# BECY.17



### BECY.17a.After

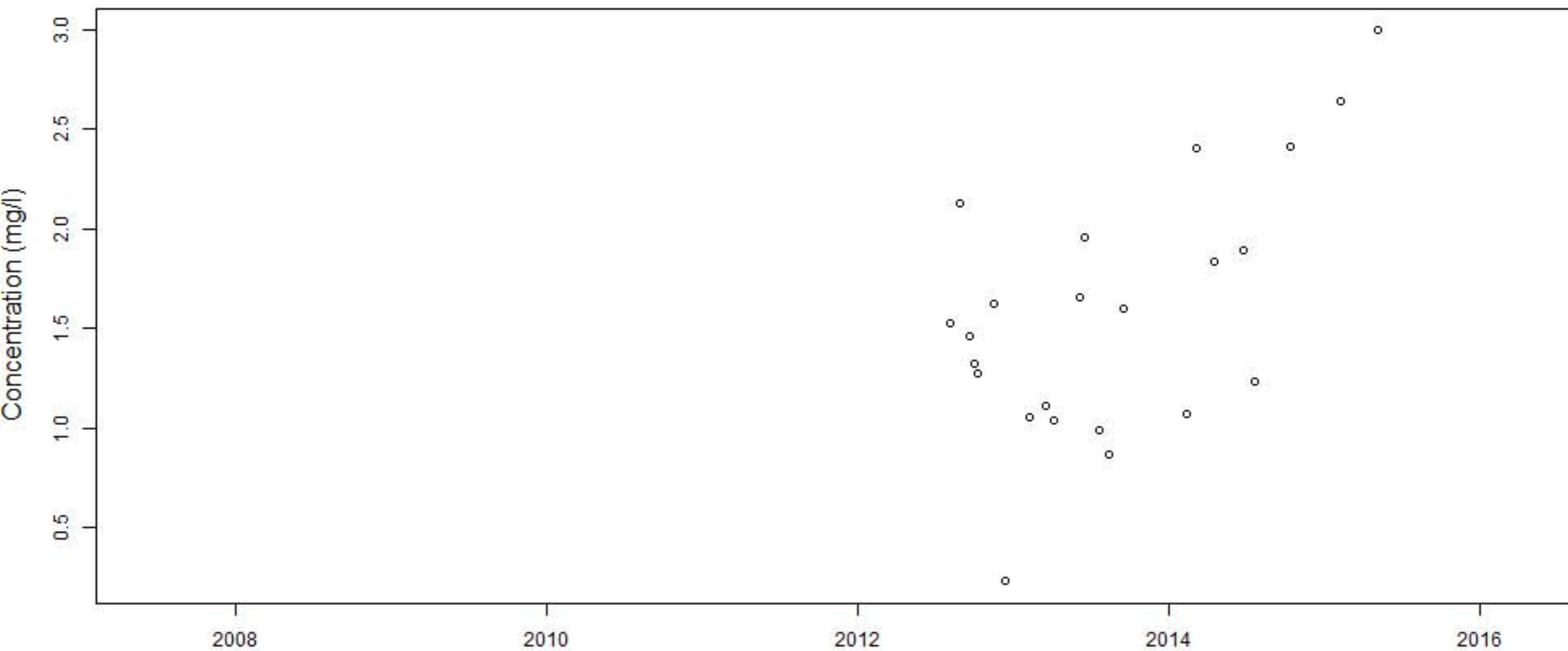


# BECY.17a.Grab

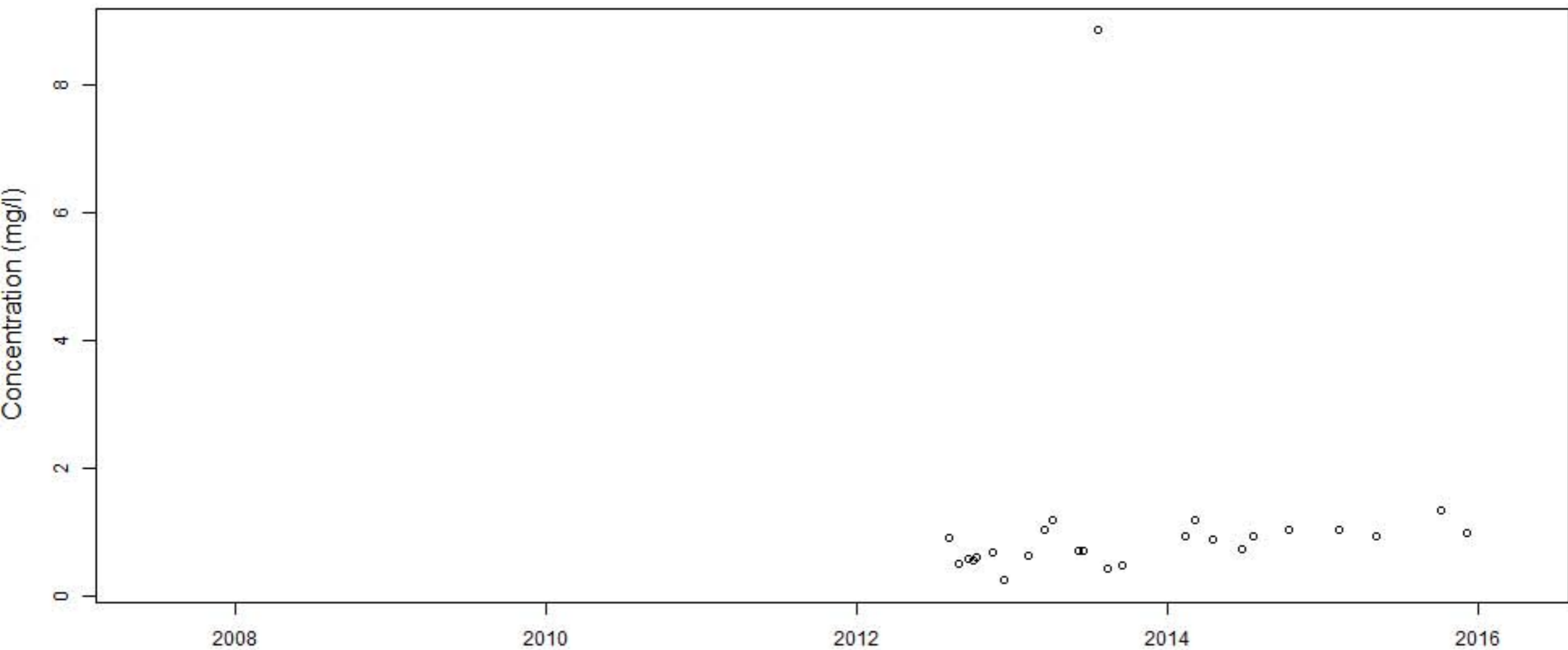




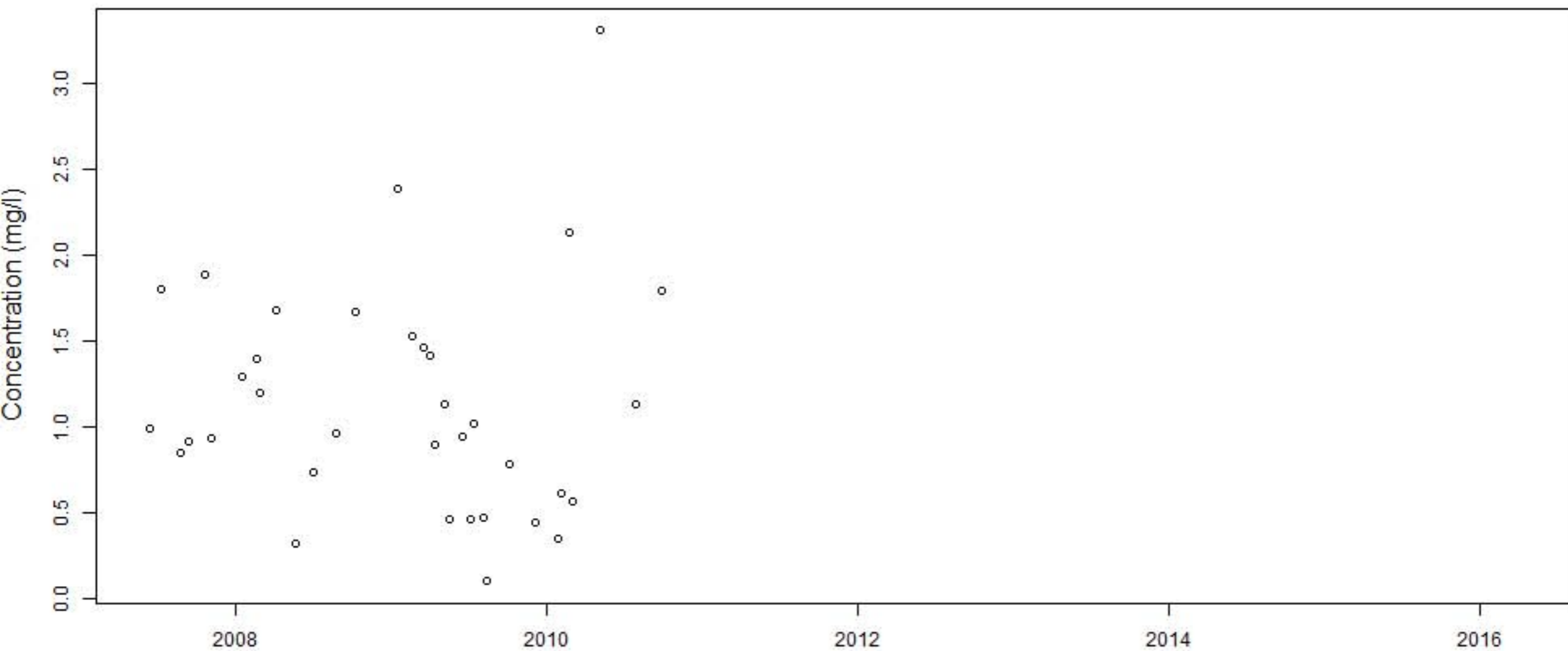
# BECY.18



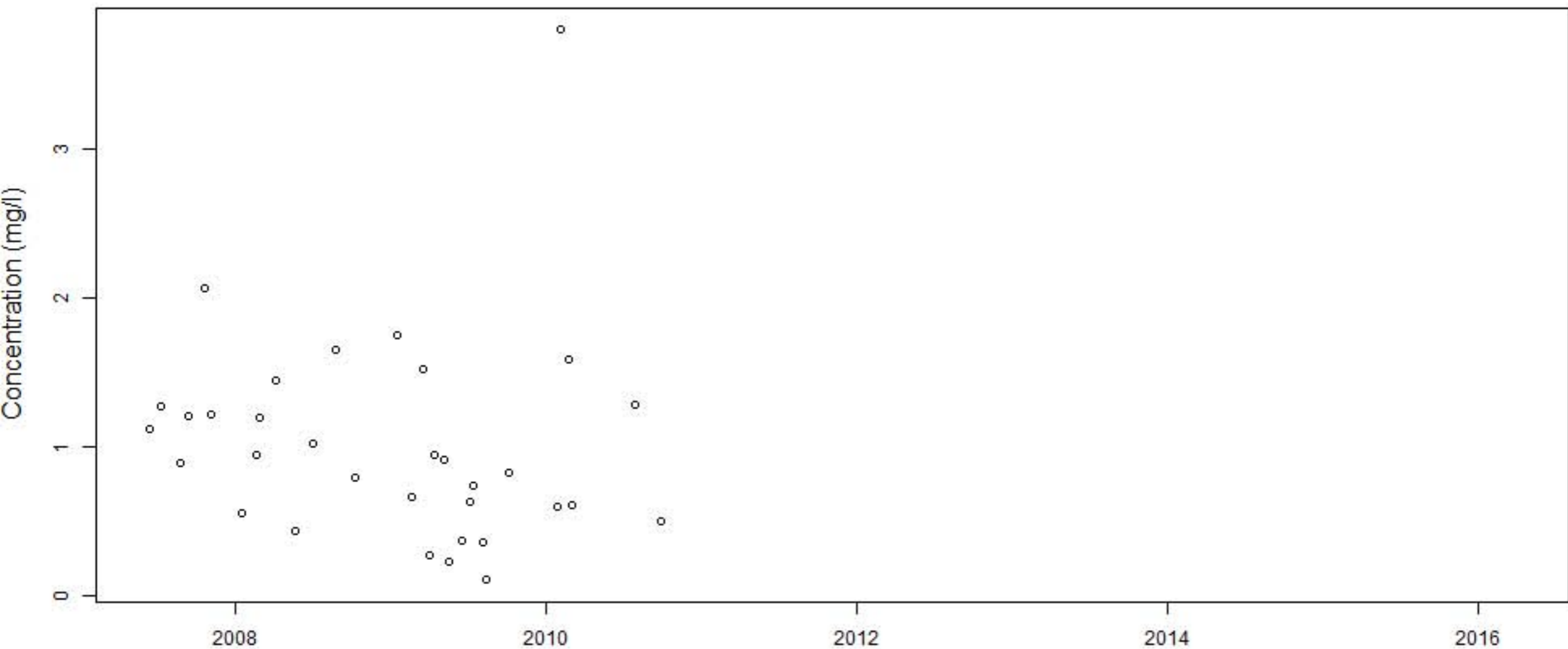
# BECY.19



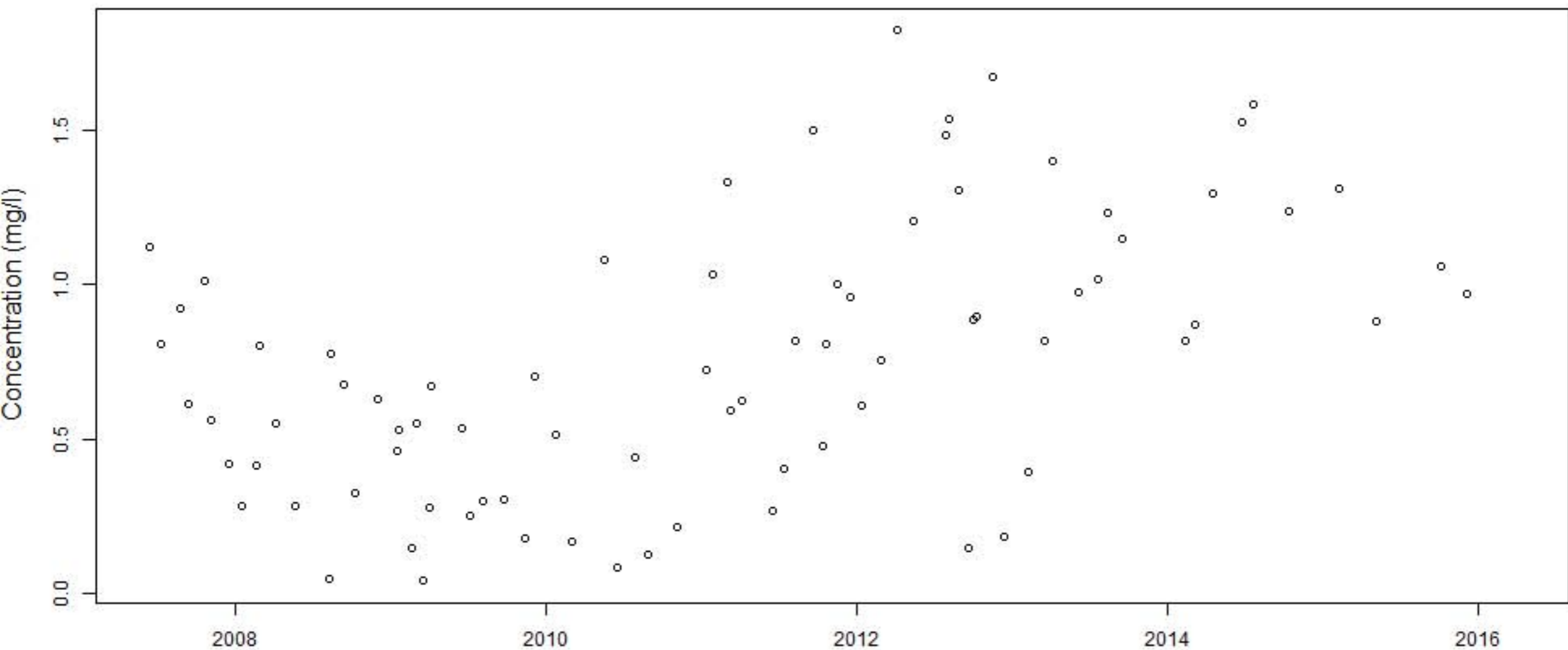
# BECY.1a.Comp



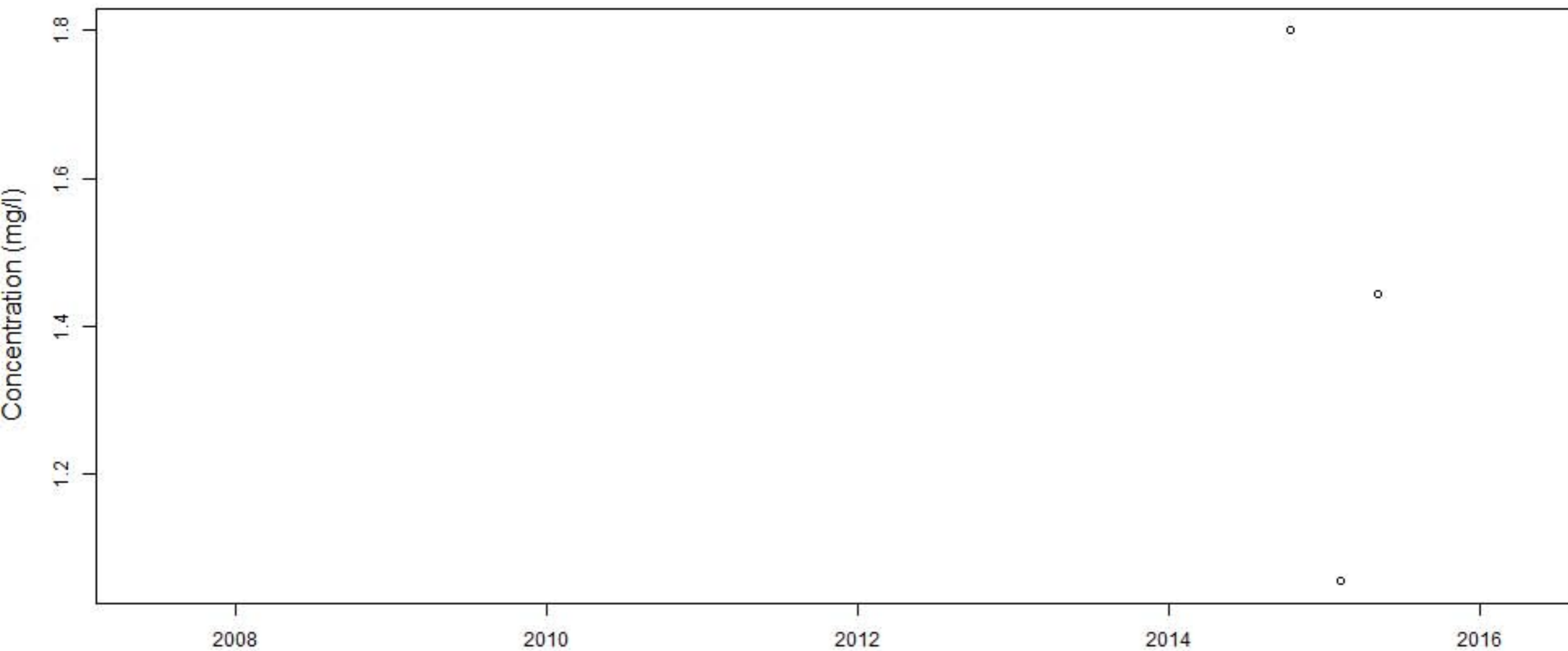
# BECY.1a.Grab



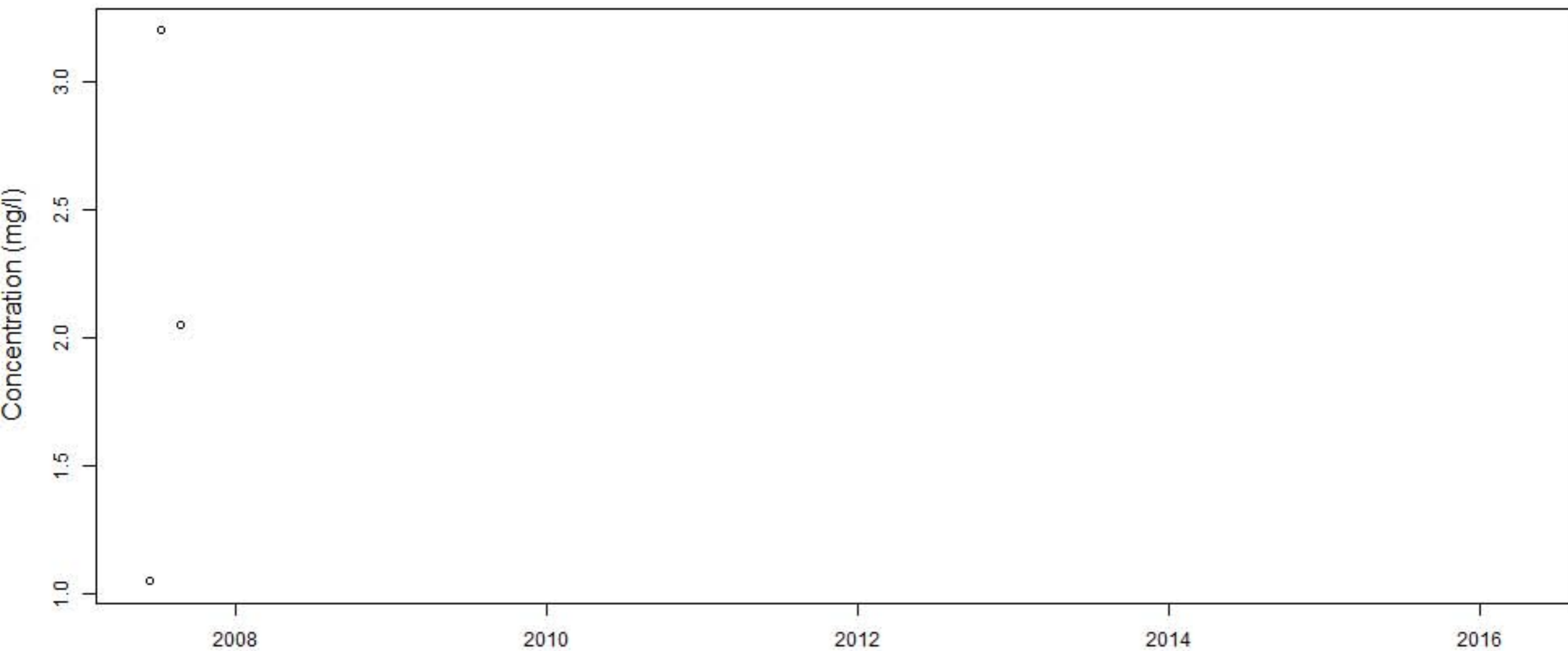
# BECY.2



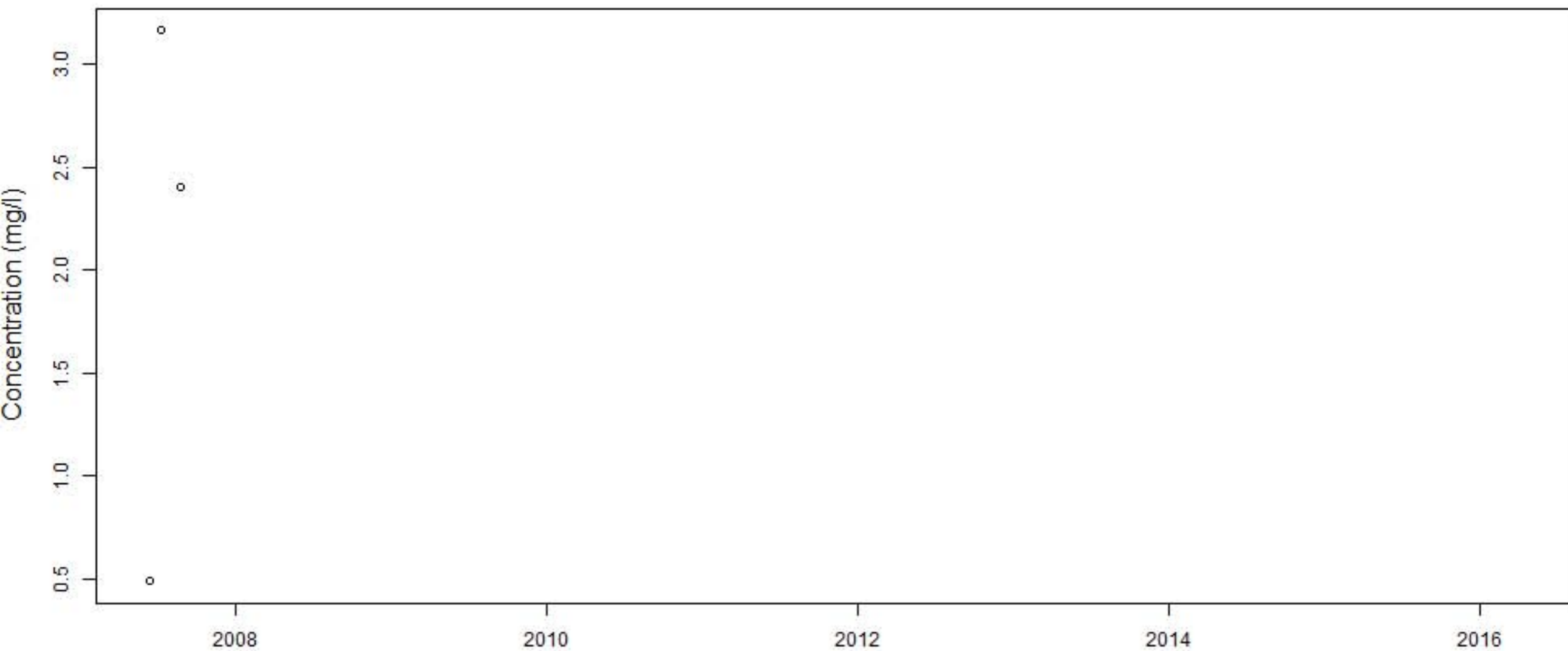
# BECY.20



# BECY.2a.Comp

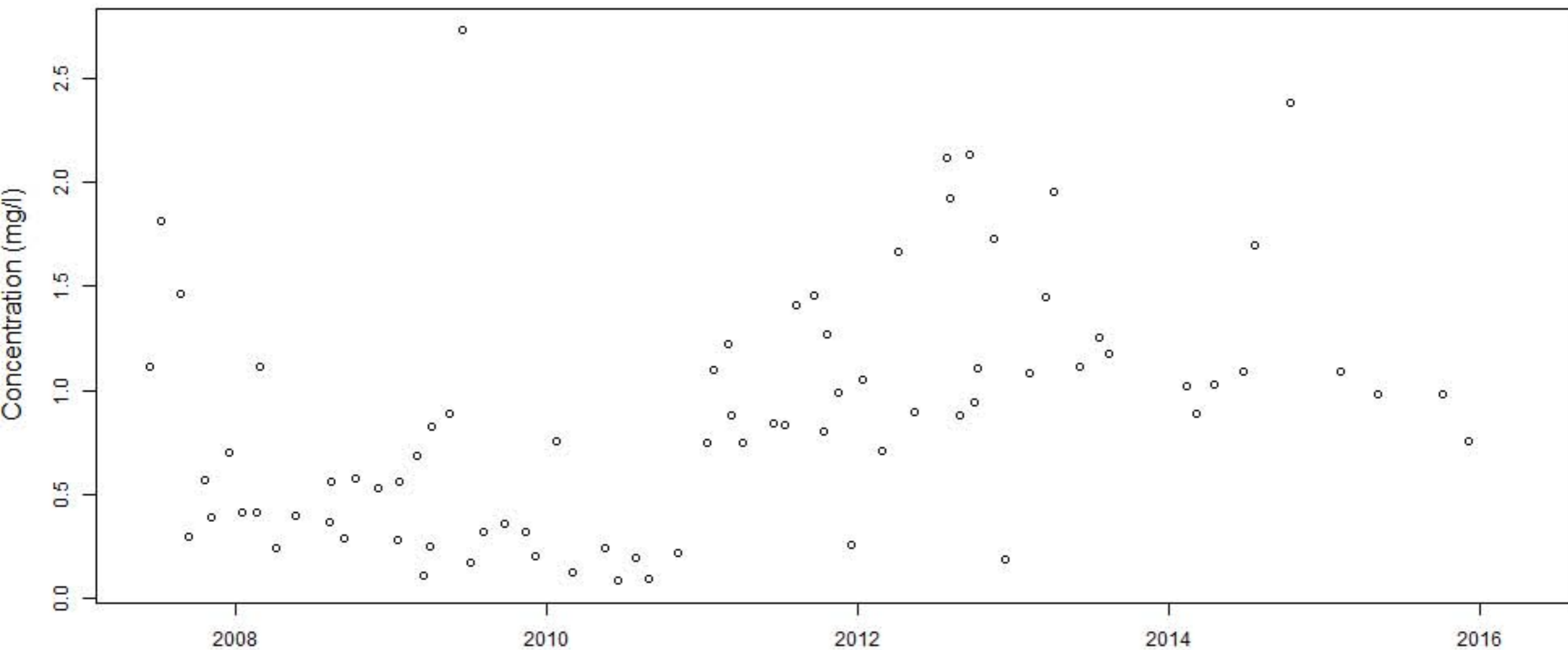


# BECY.2a.Grab

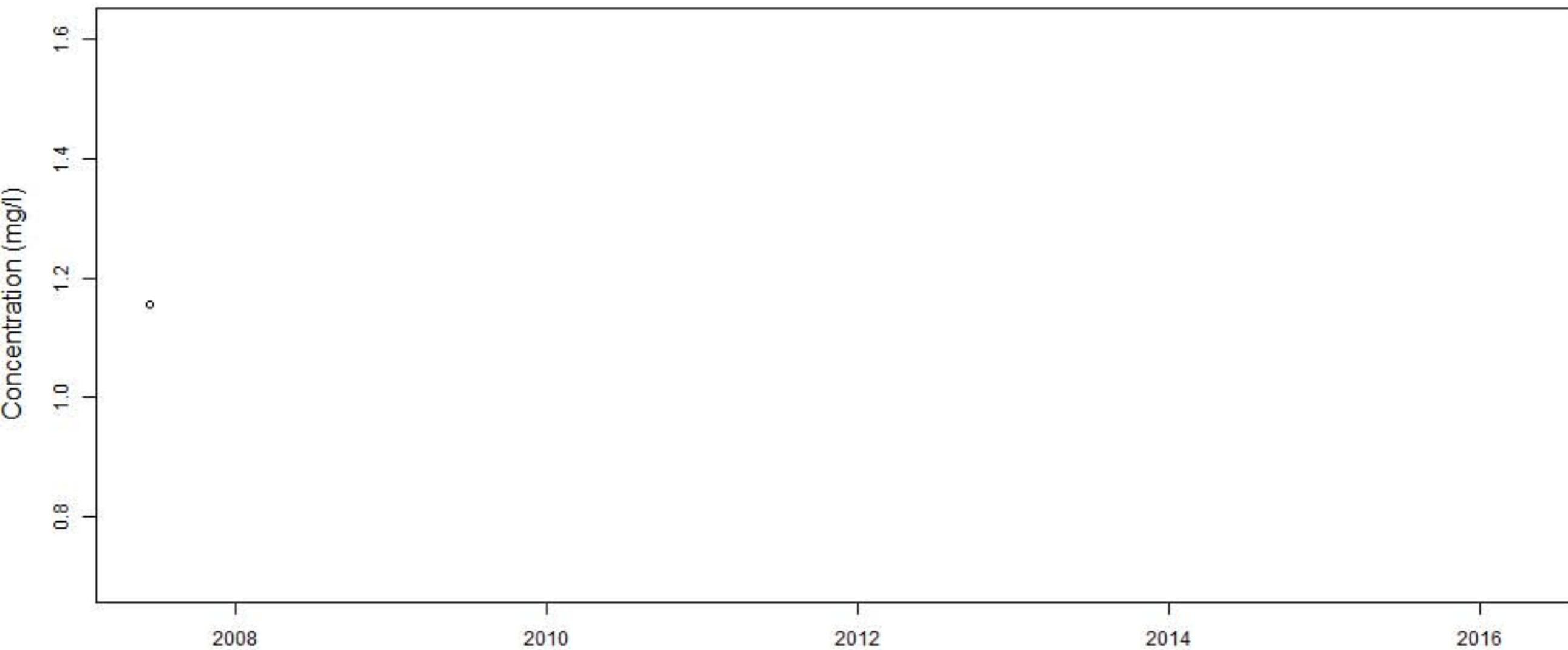




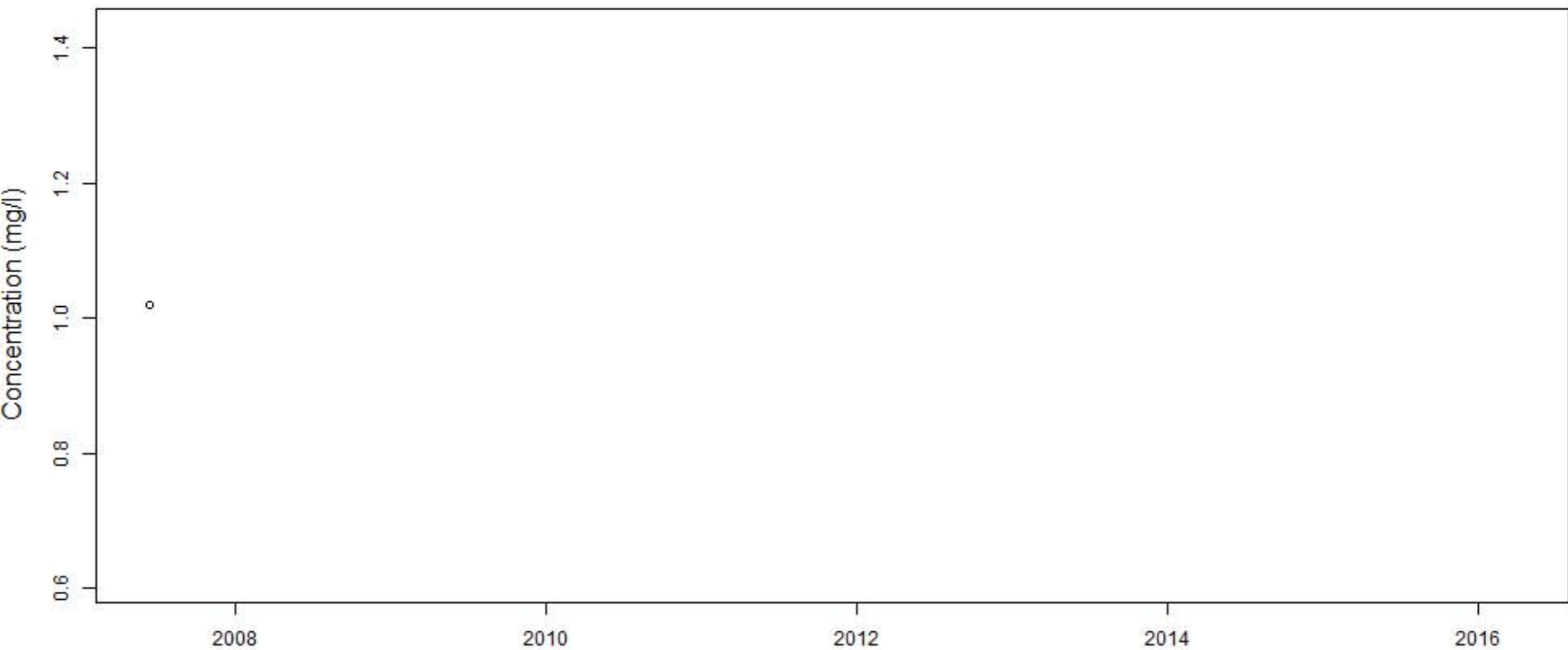
# BECY.3



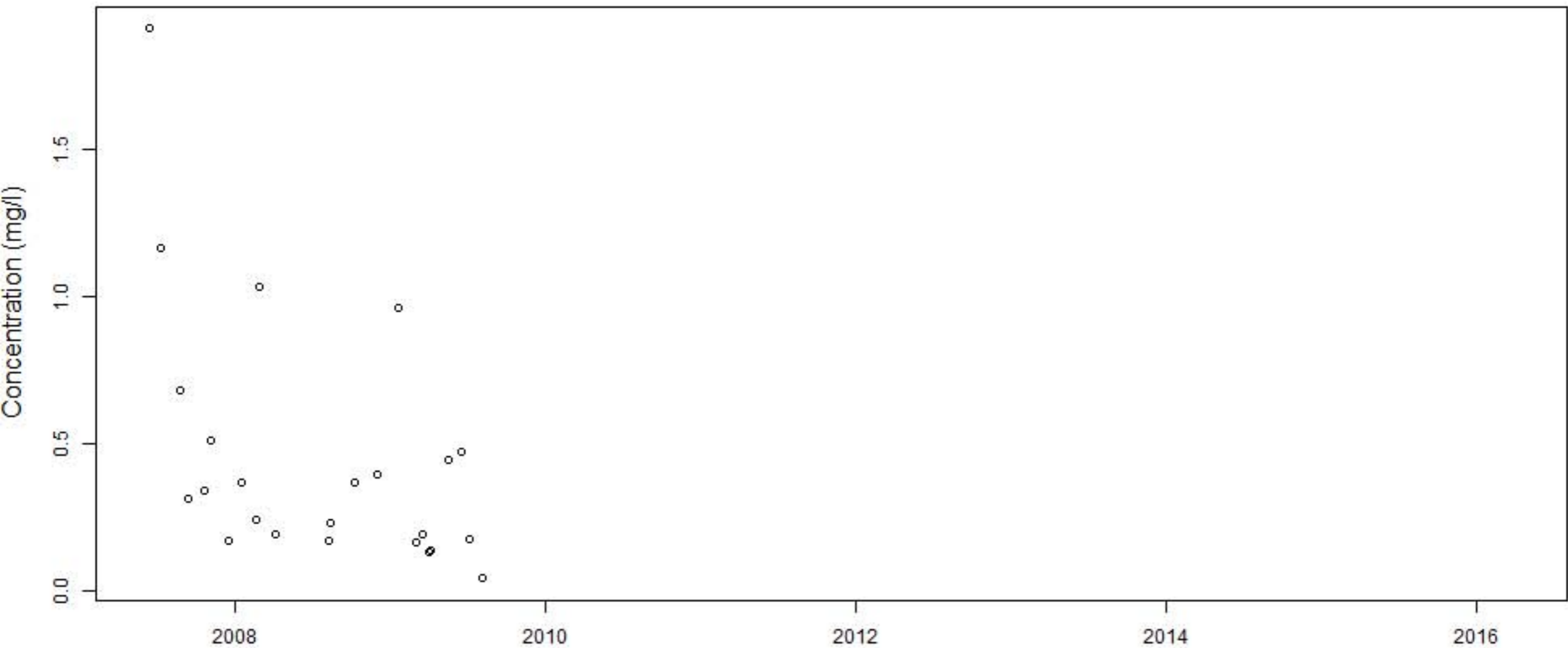
# BECY.3a.Comp



# BECY.3a.Grab

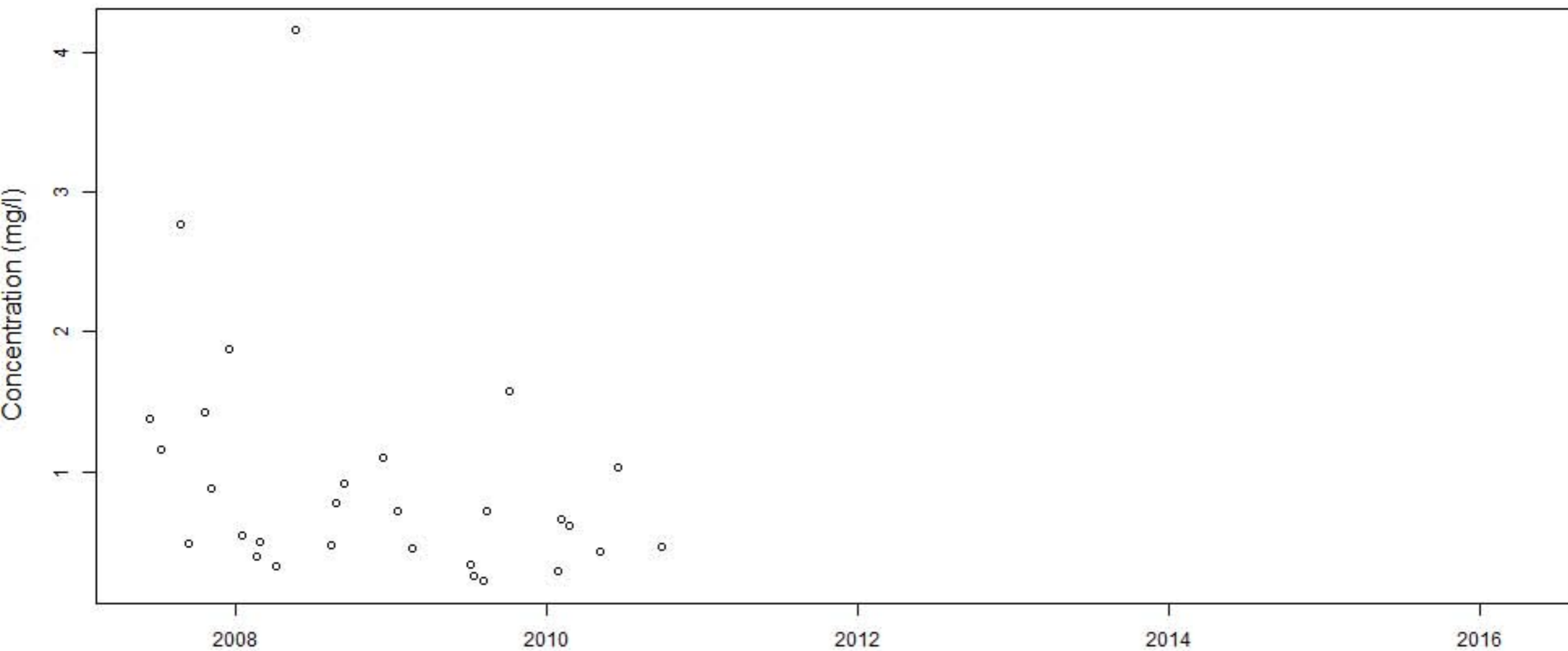


# BECY.4

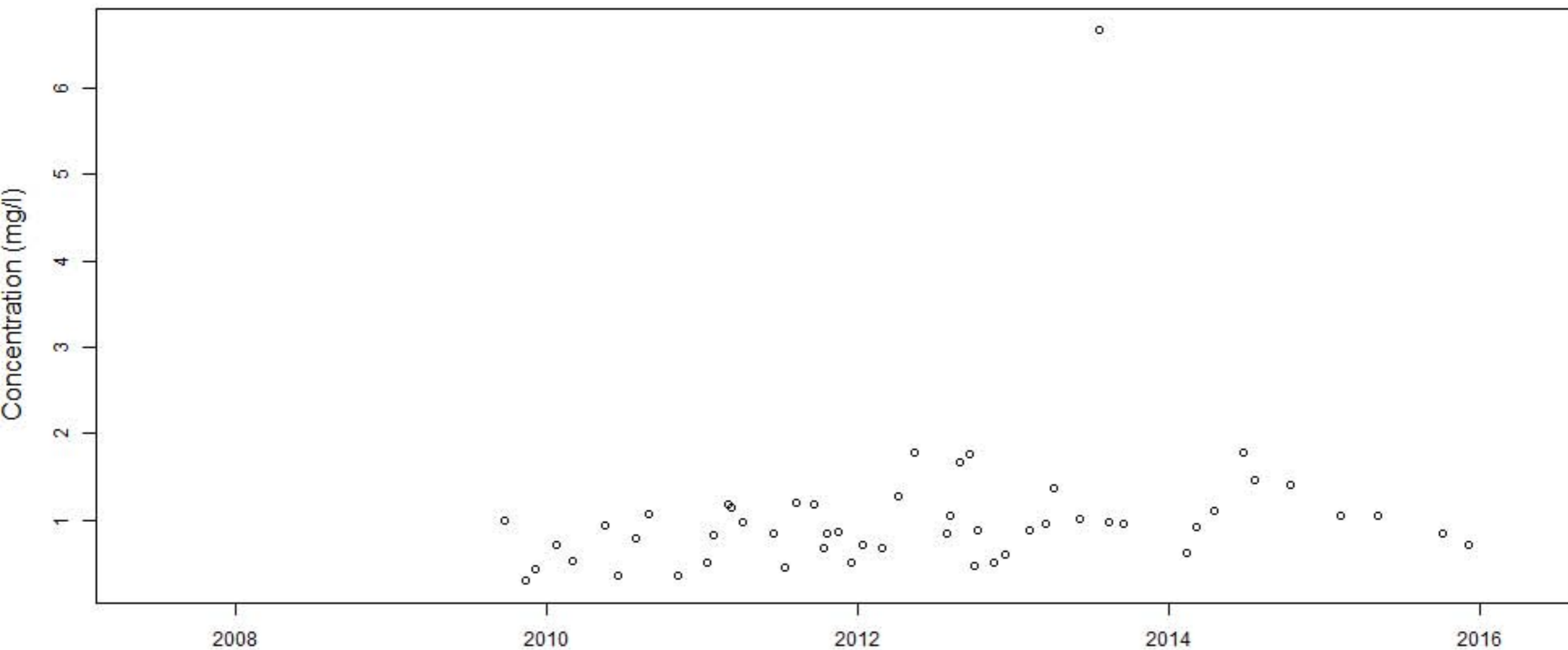




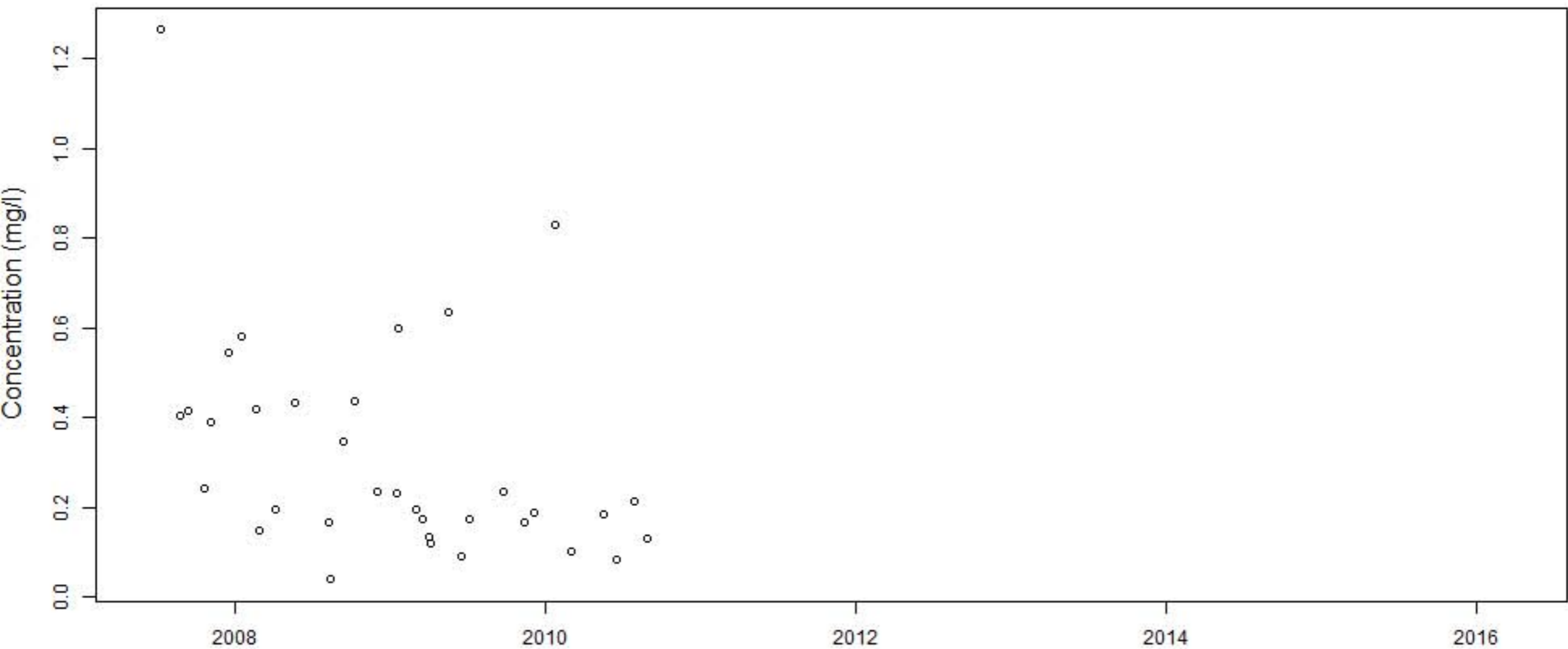
# BECY.4a.Grab



# BECY.4r

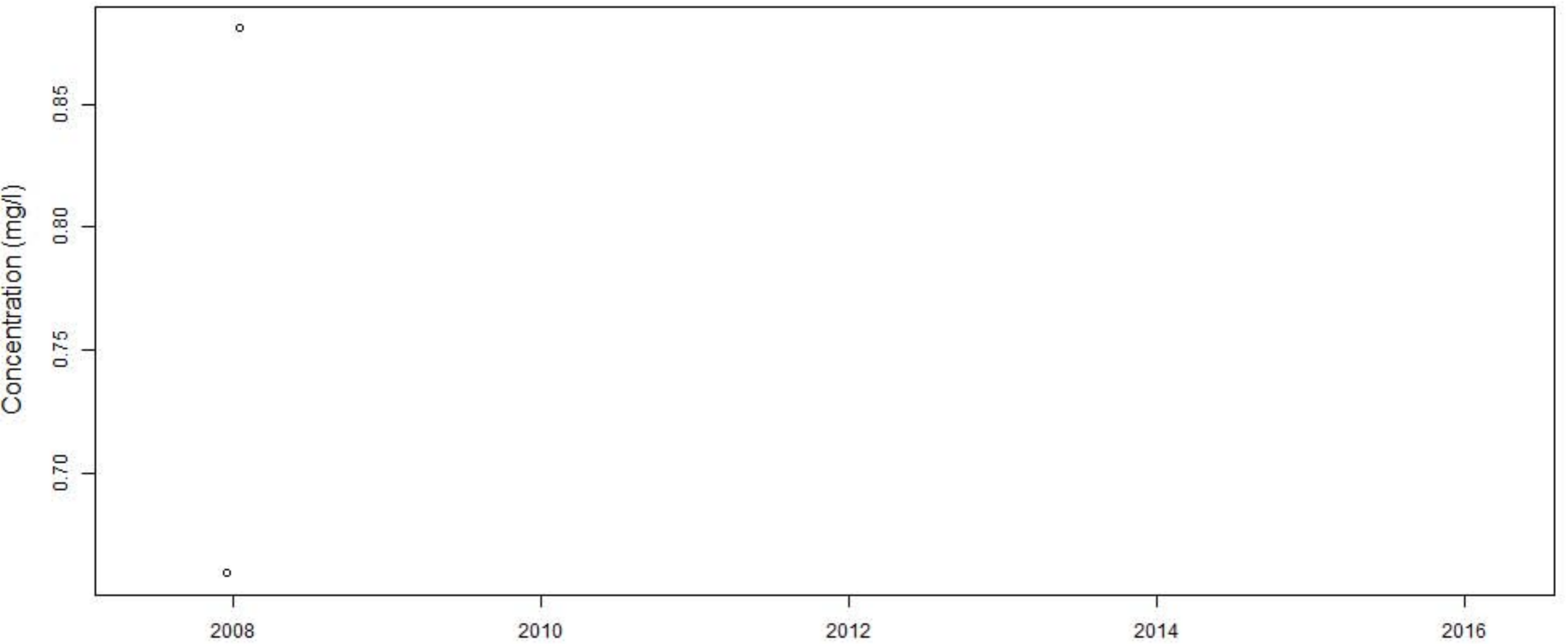


# BECY.5

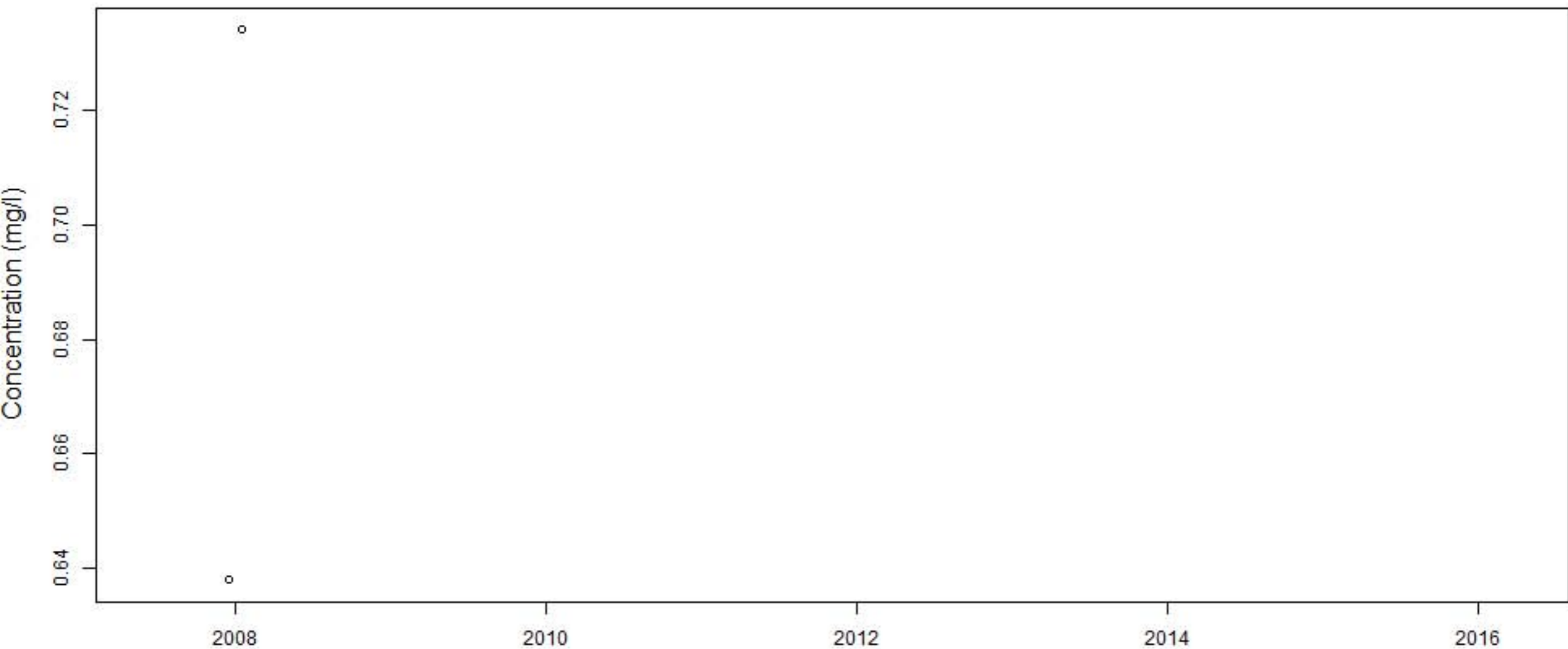




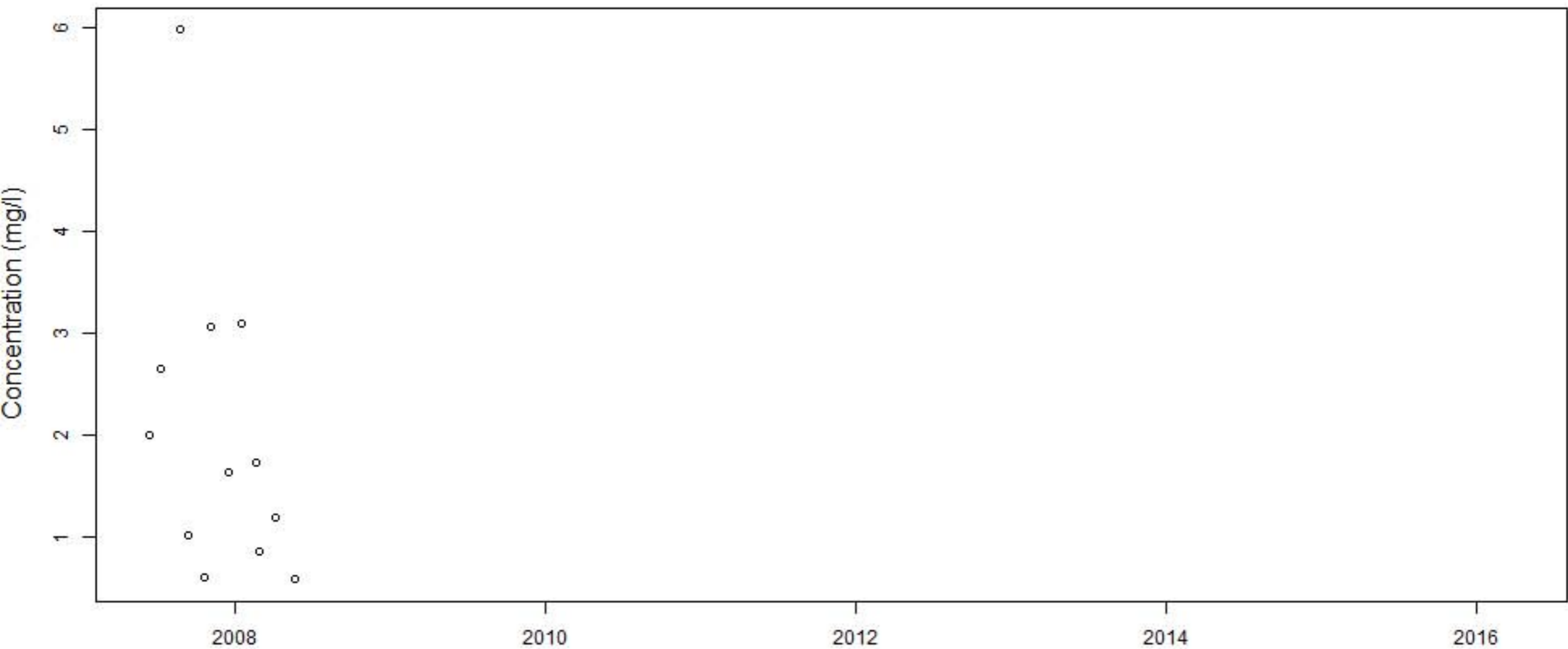
# BECY.5A.Comp



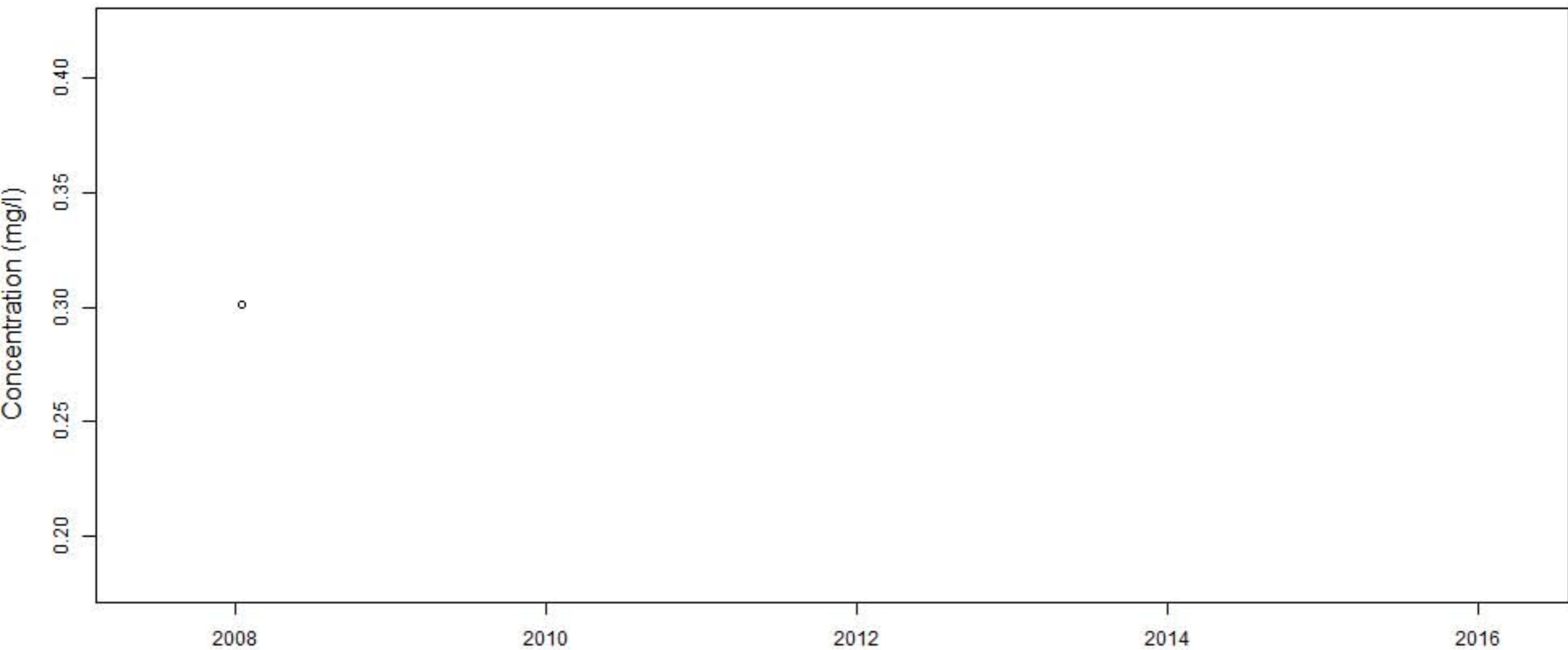
# BECY.5A.Grab



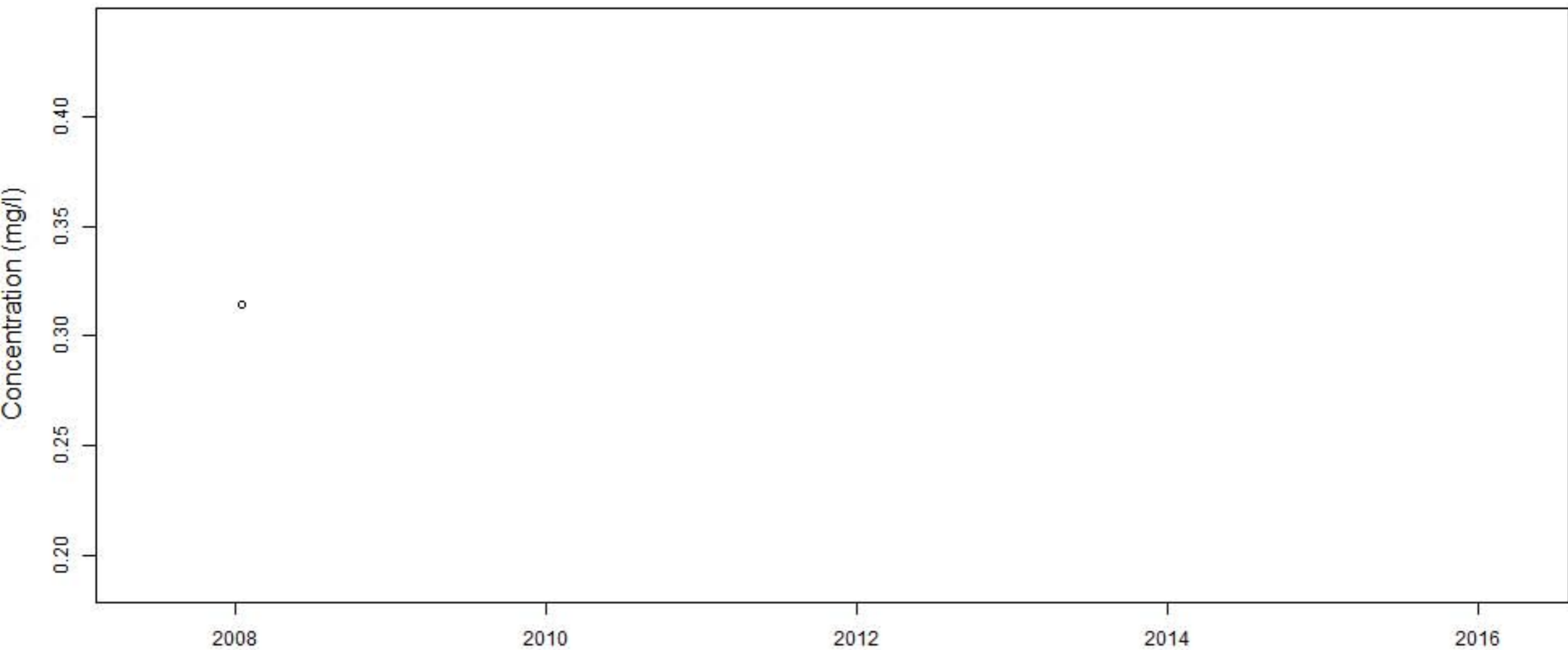
# BECY.6



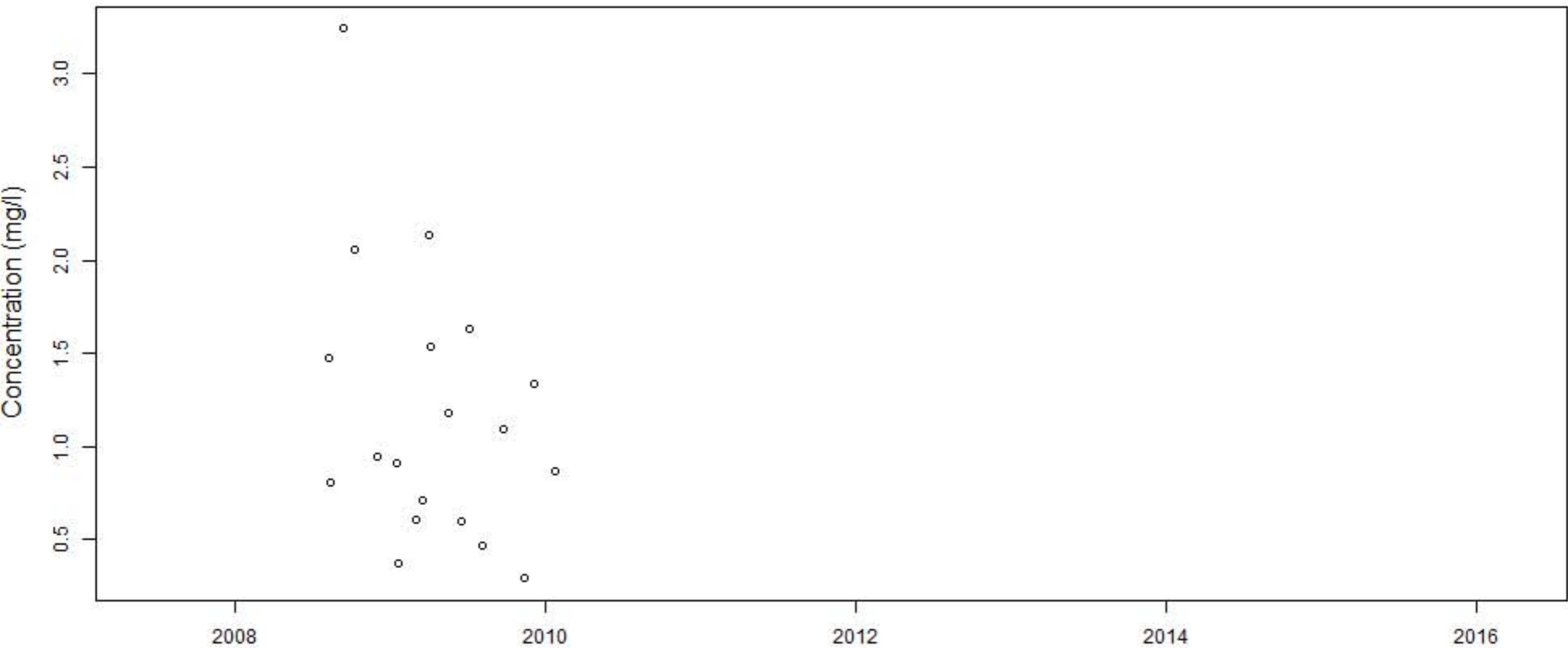
# BECY.6A.Comp



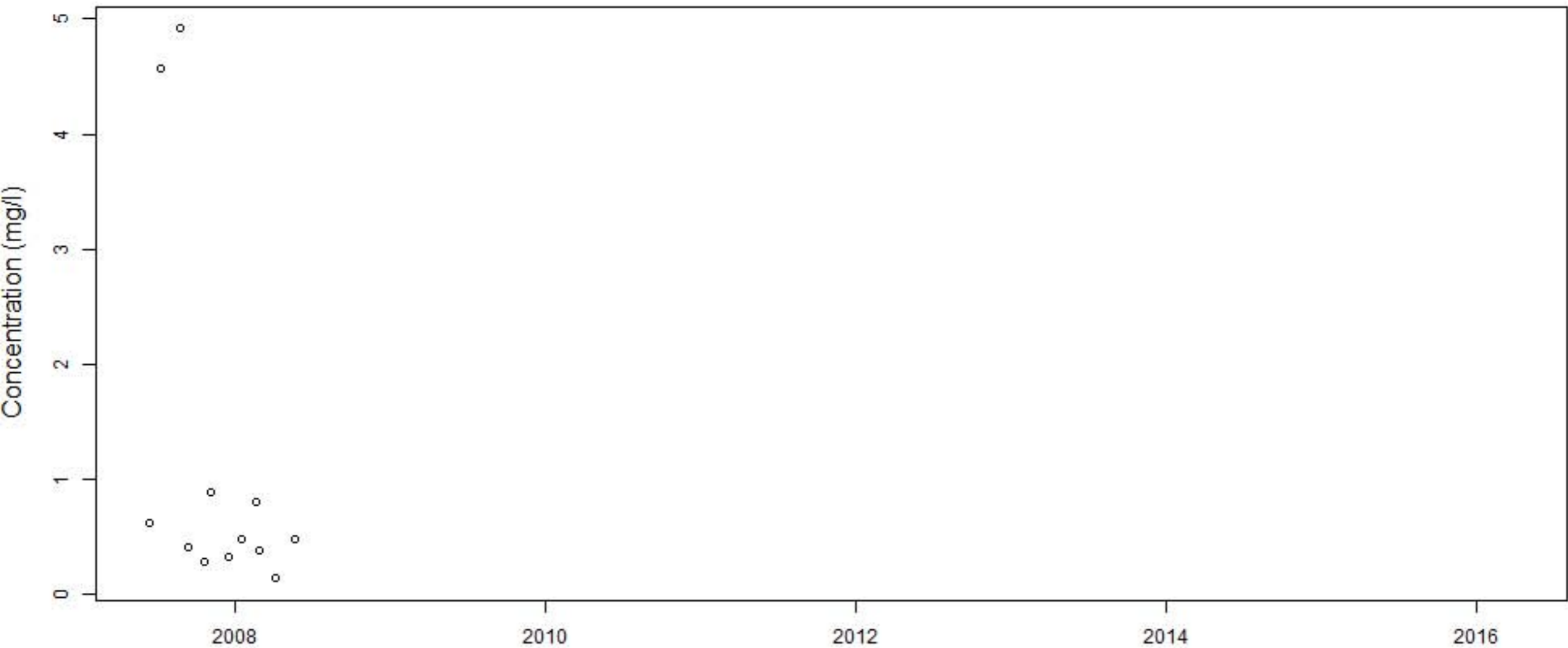
# BECY.6A.Grab



# BECY.6r



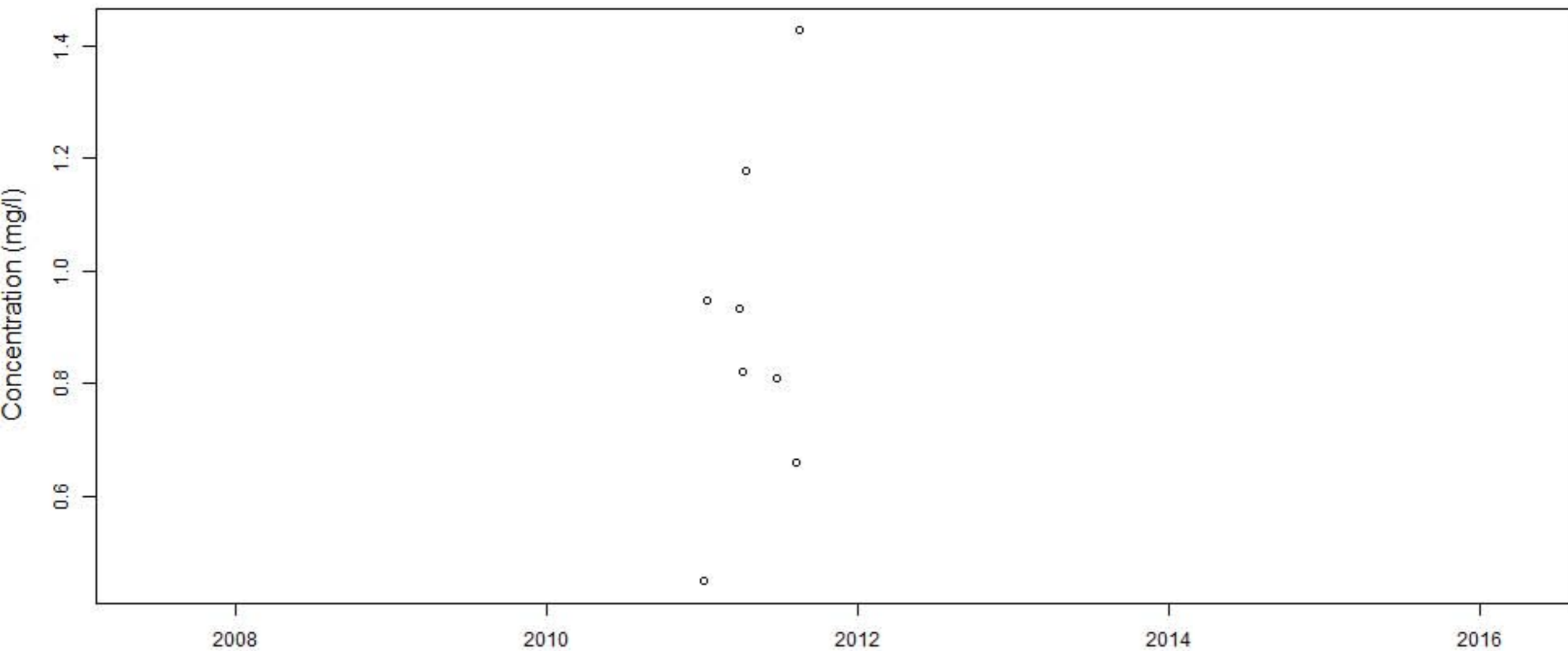
# BECY.7





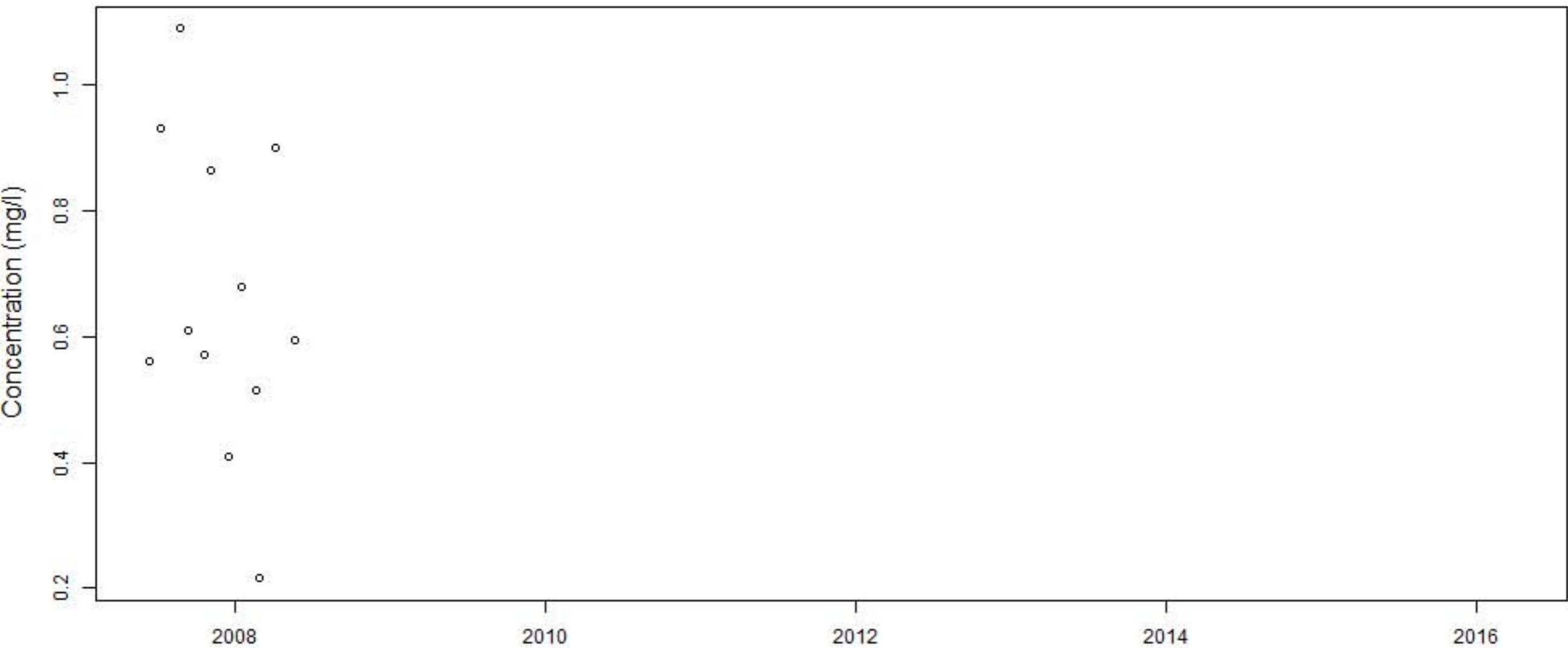


BECY.7ra.Grab.After



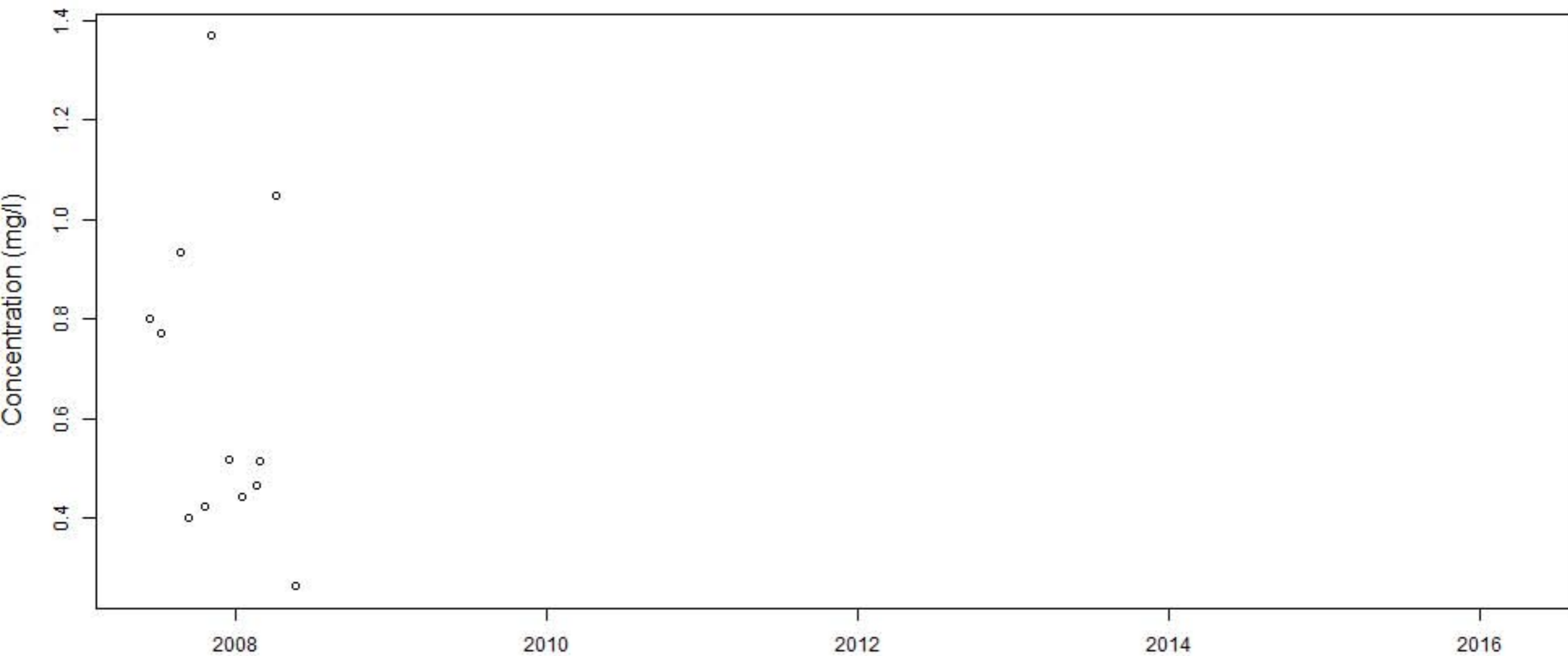


# BECY.8

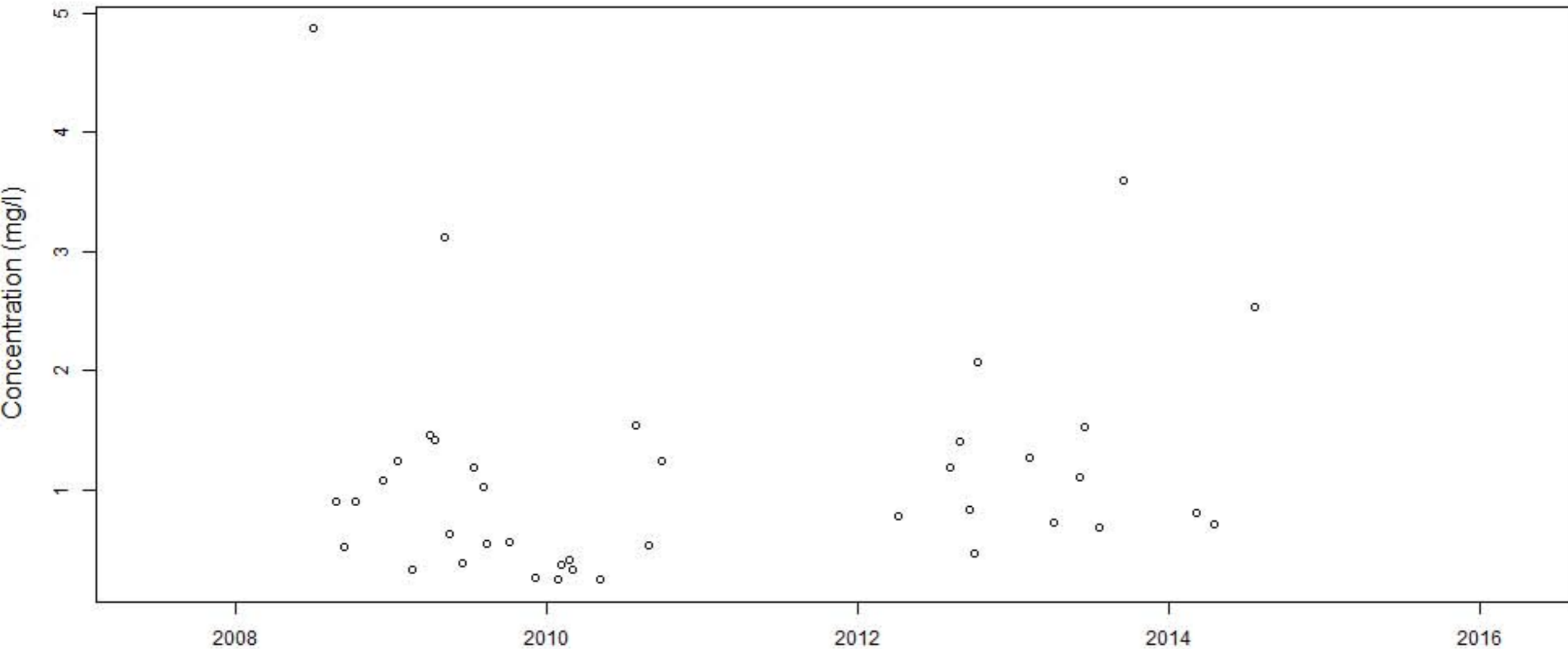




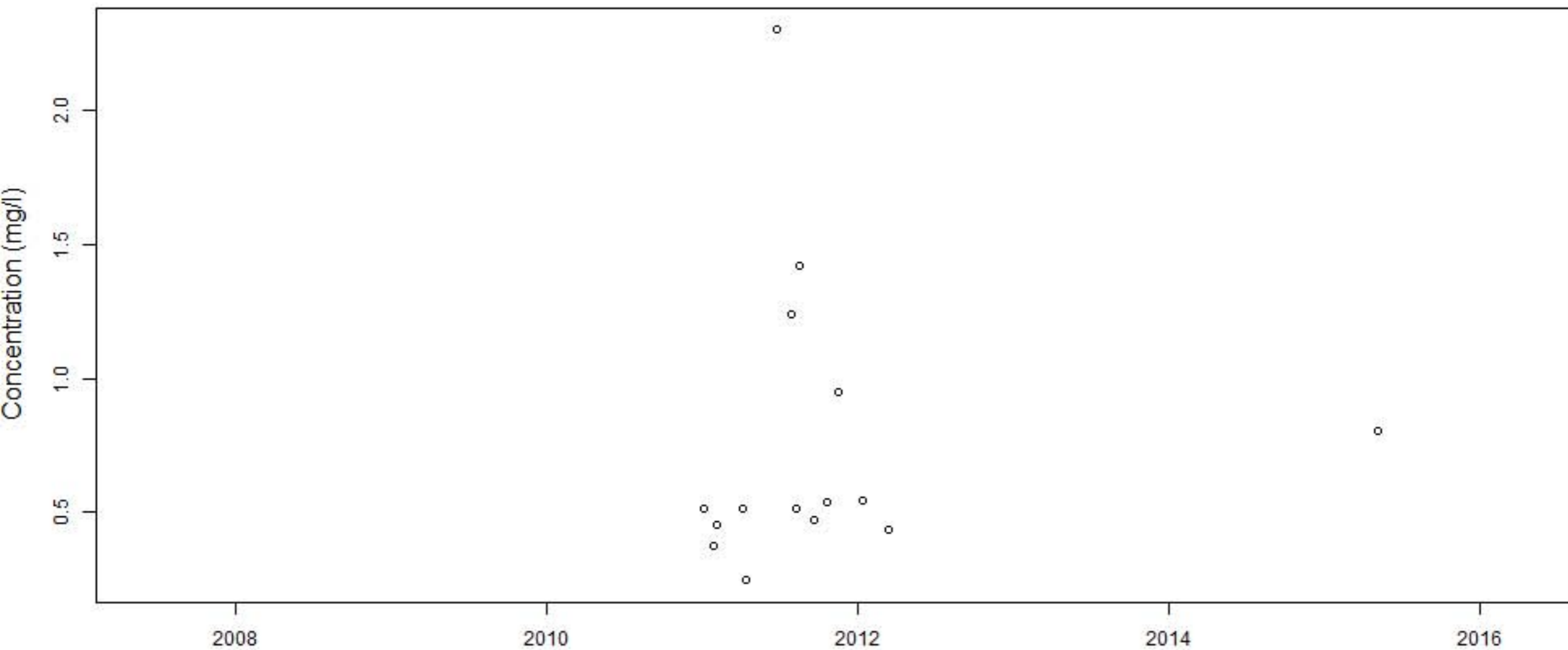
# BECY.9



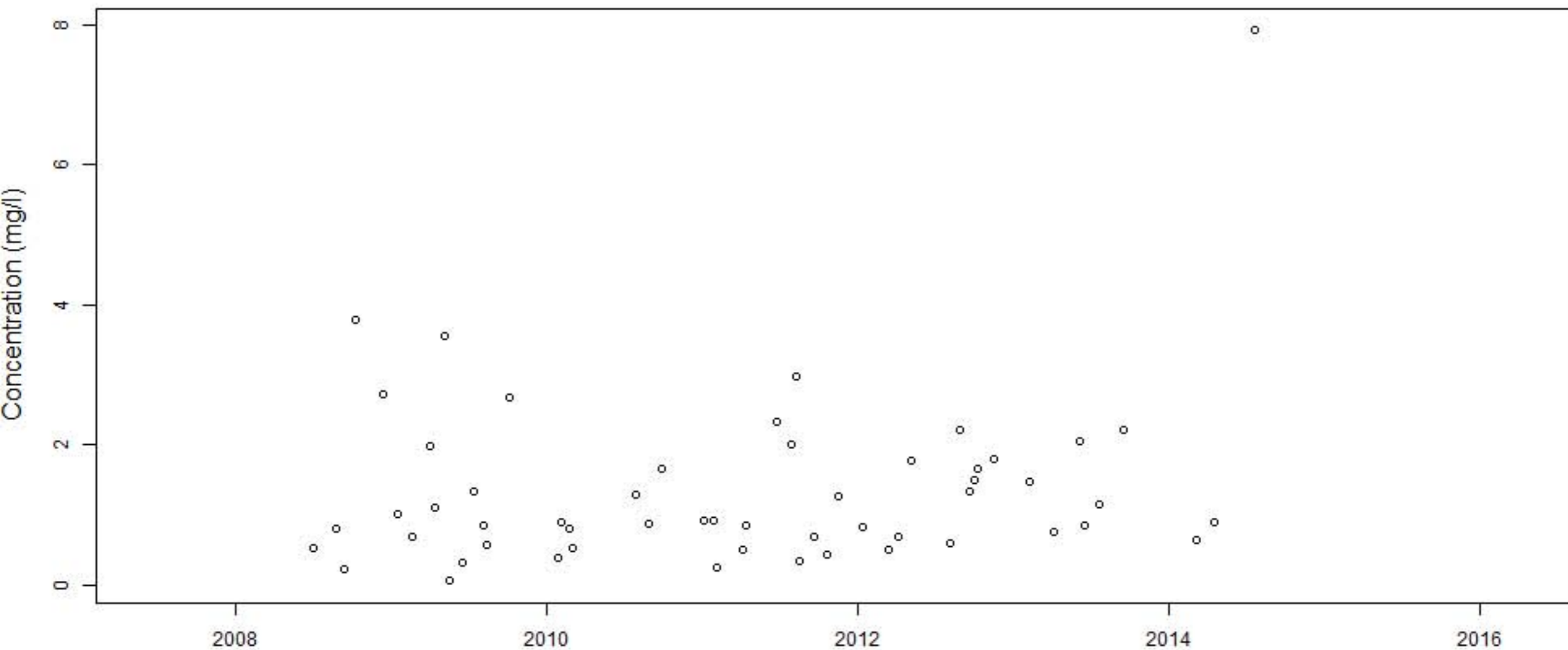
BECY.9ra.Comp



BECY.9ra.Grab.After

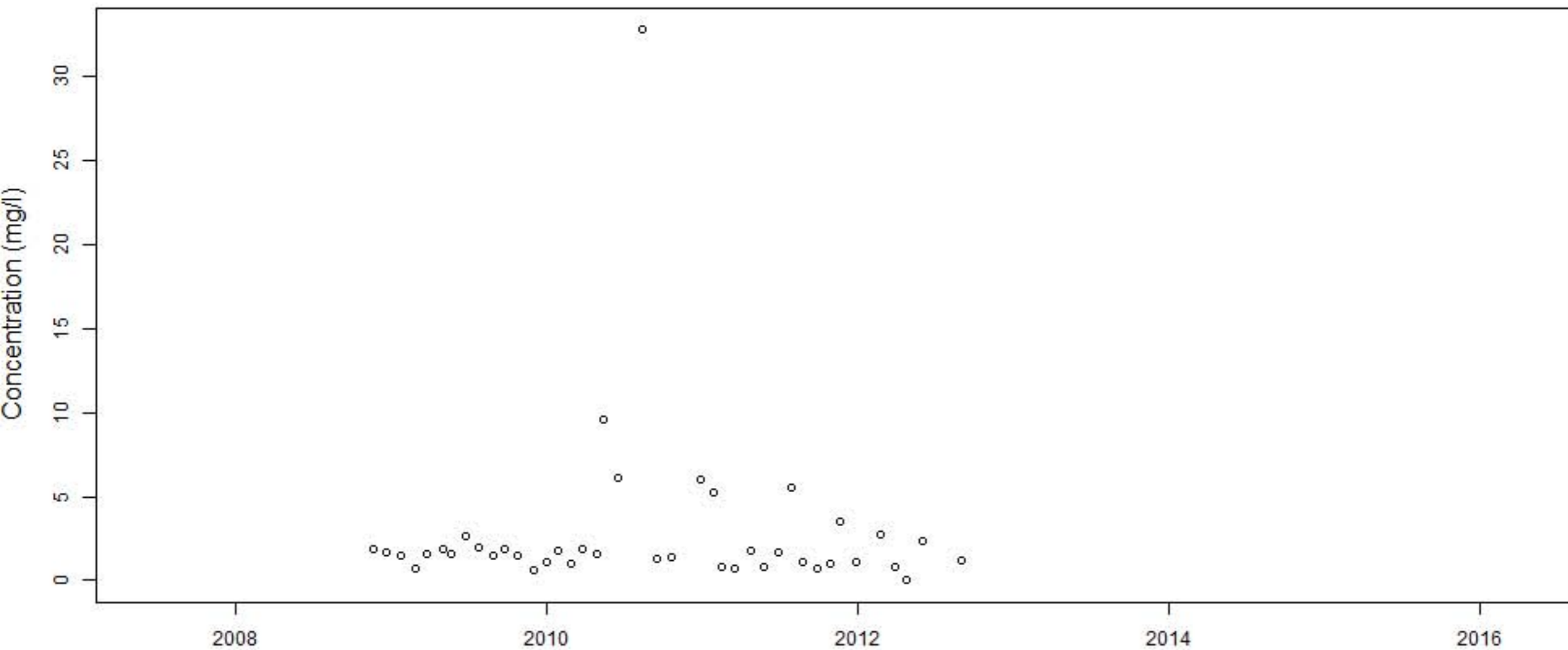


# BECY.9ra.Grab

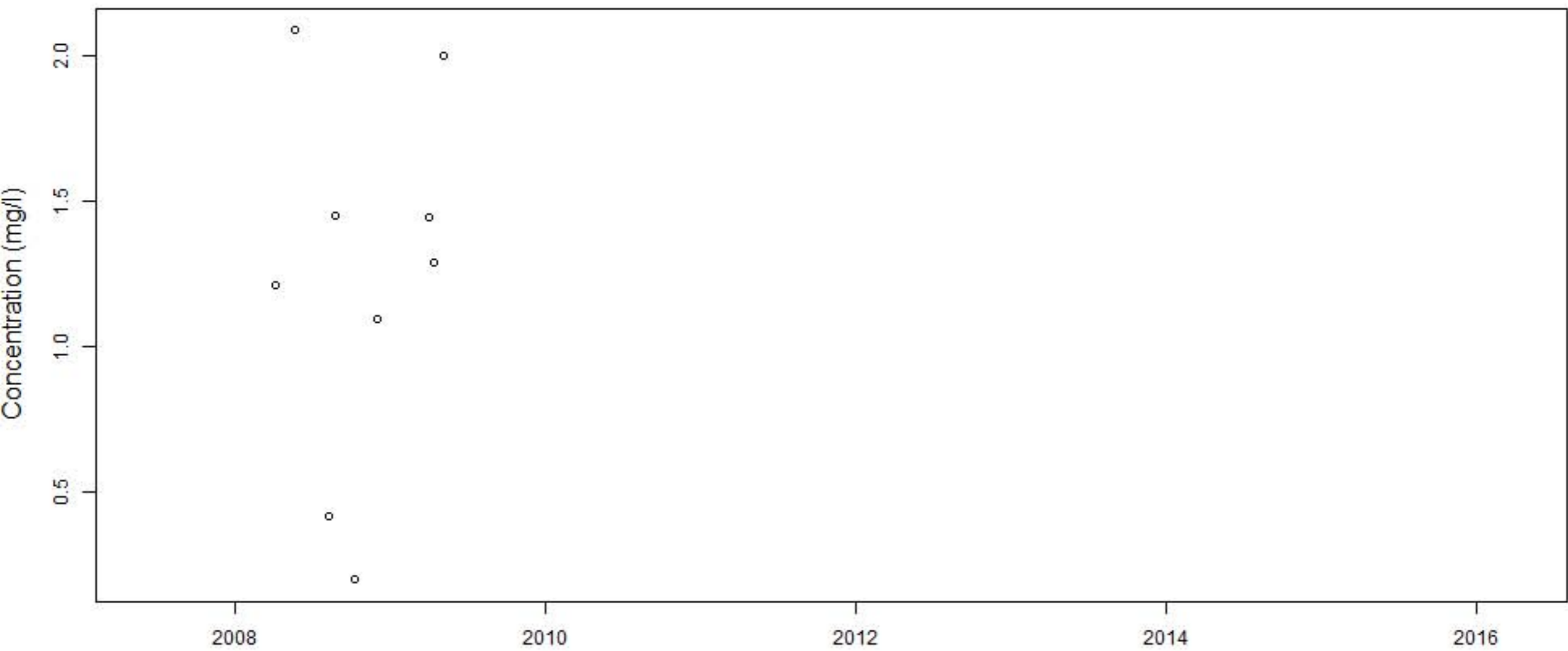




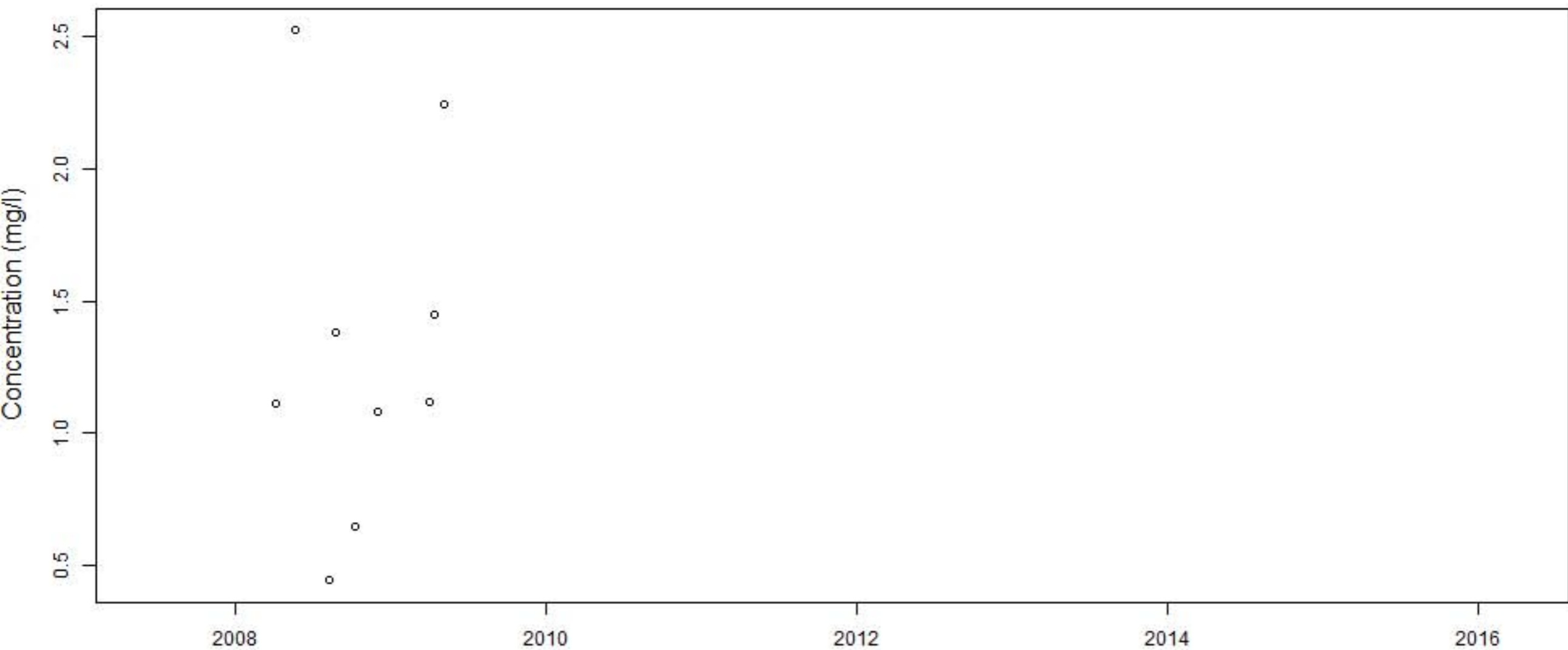
# BLUEWATER



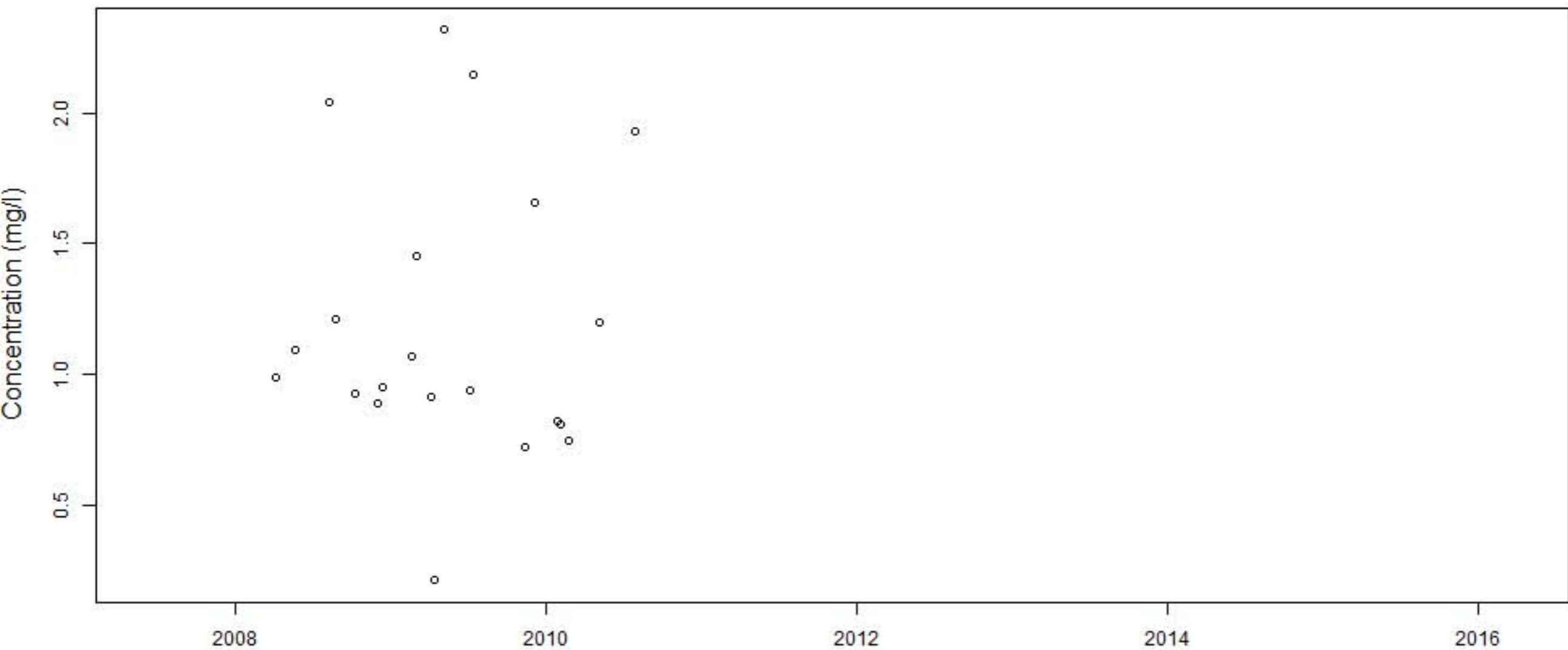
# BM Pep...IN.COMP



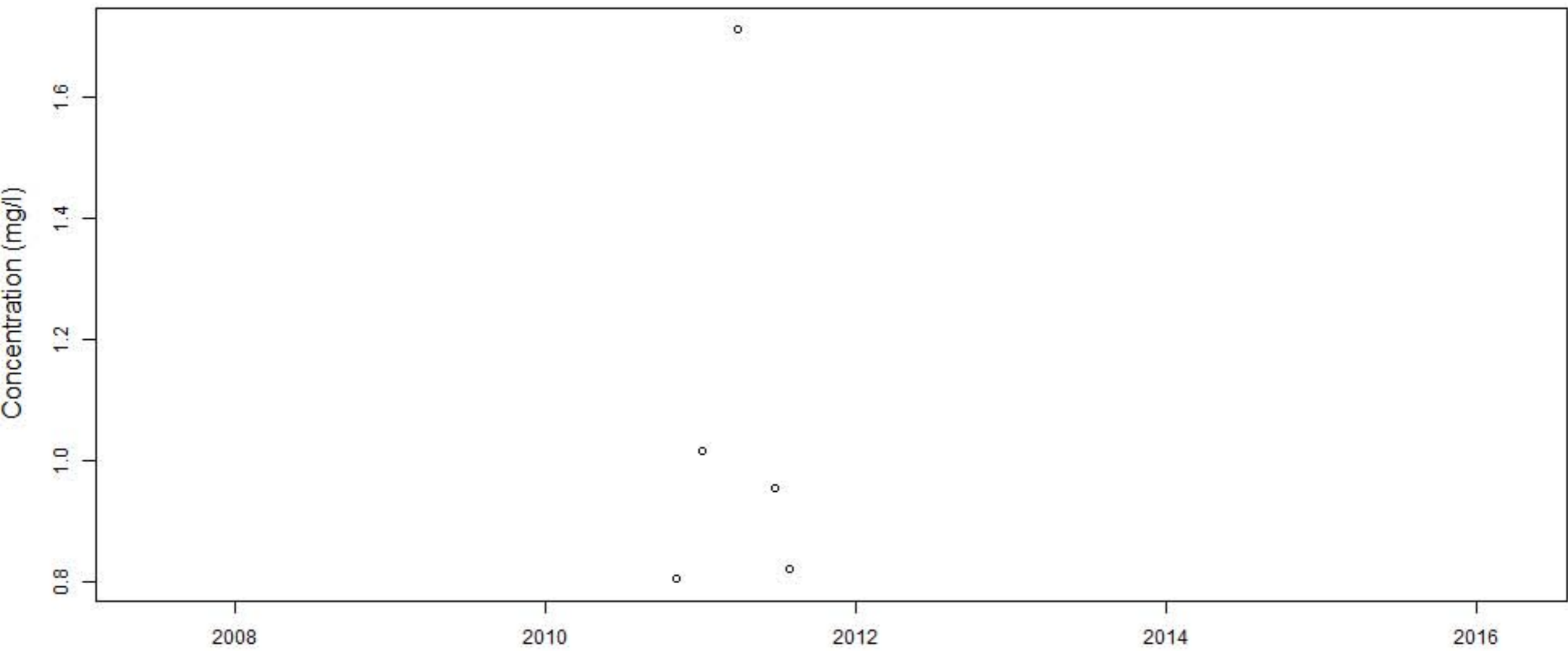
# BM Pep...IN.GRAB



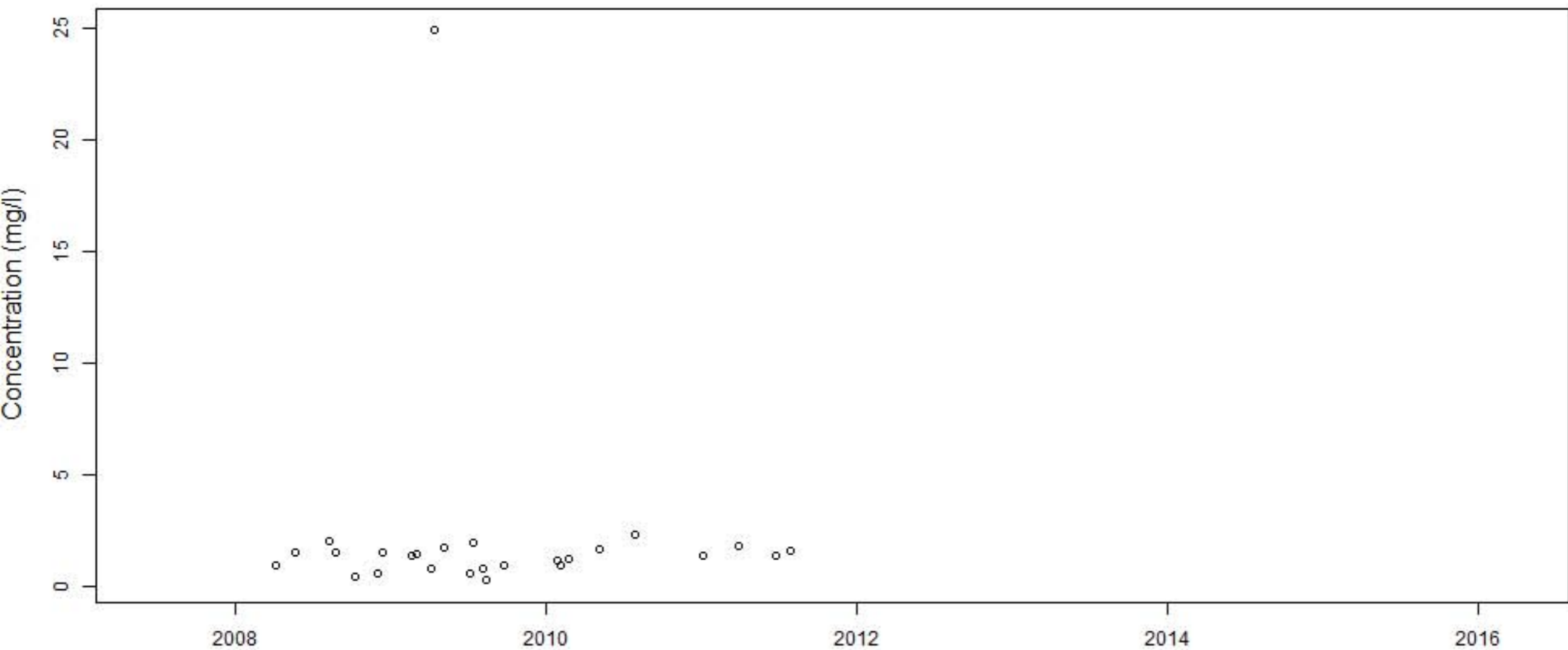
# BM Pep...OUT.COMP



BM Pep...OUT.Grab.After

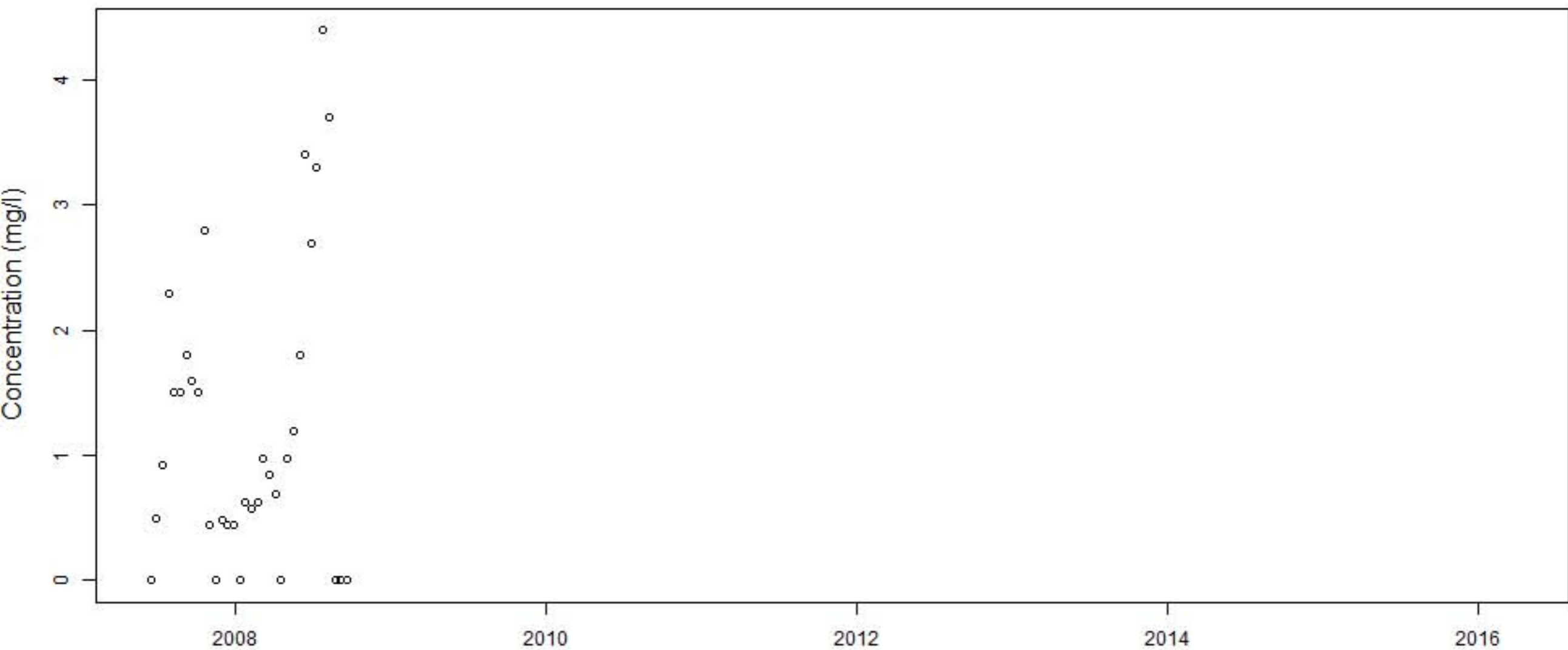


# BM Pep...OUT.GRAB



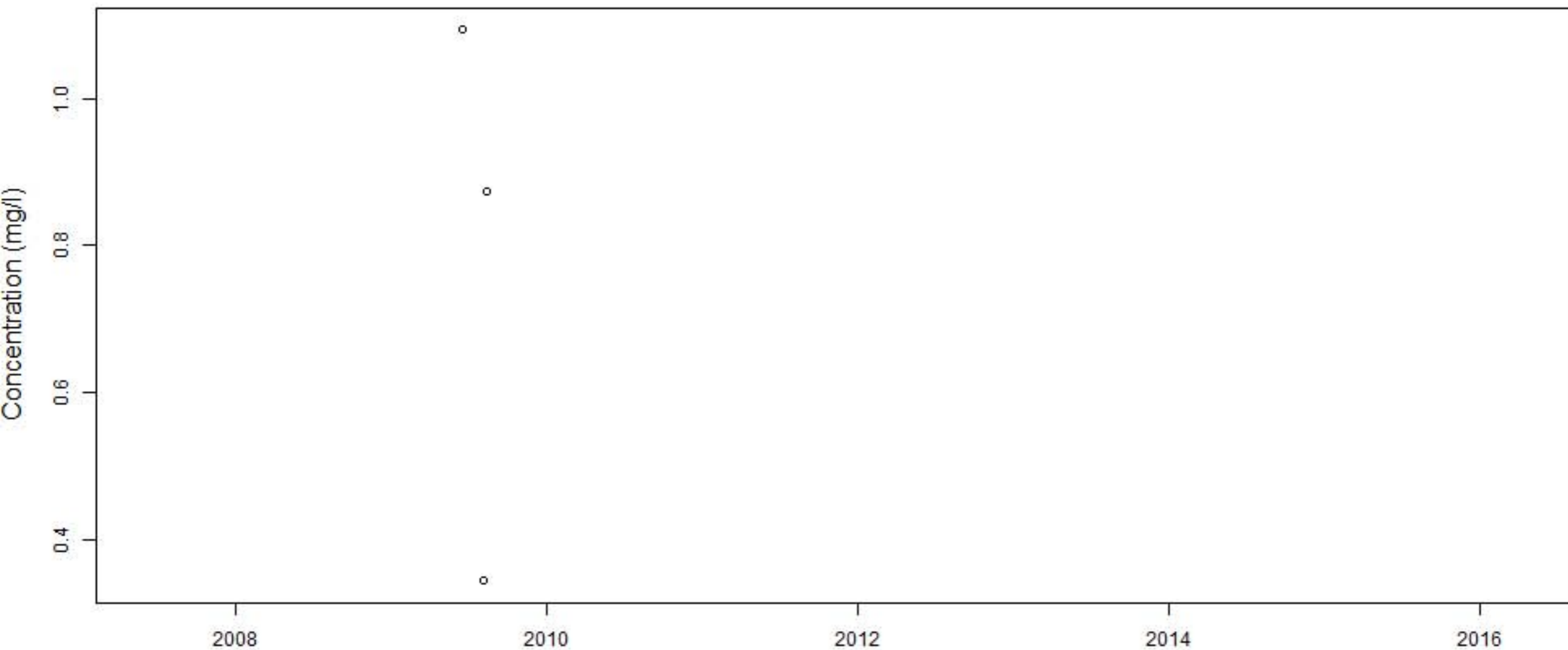


# BURKE.S.BEACH

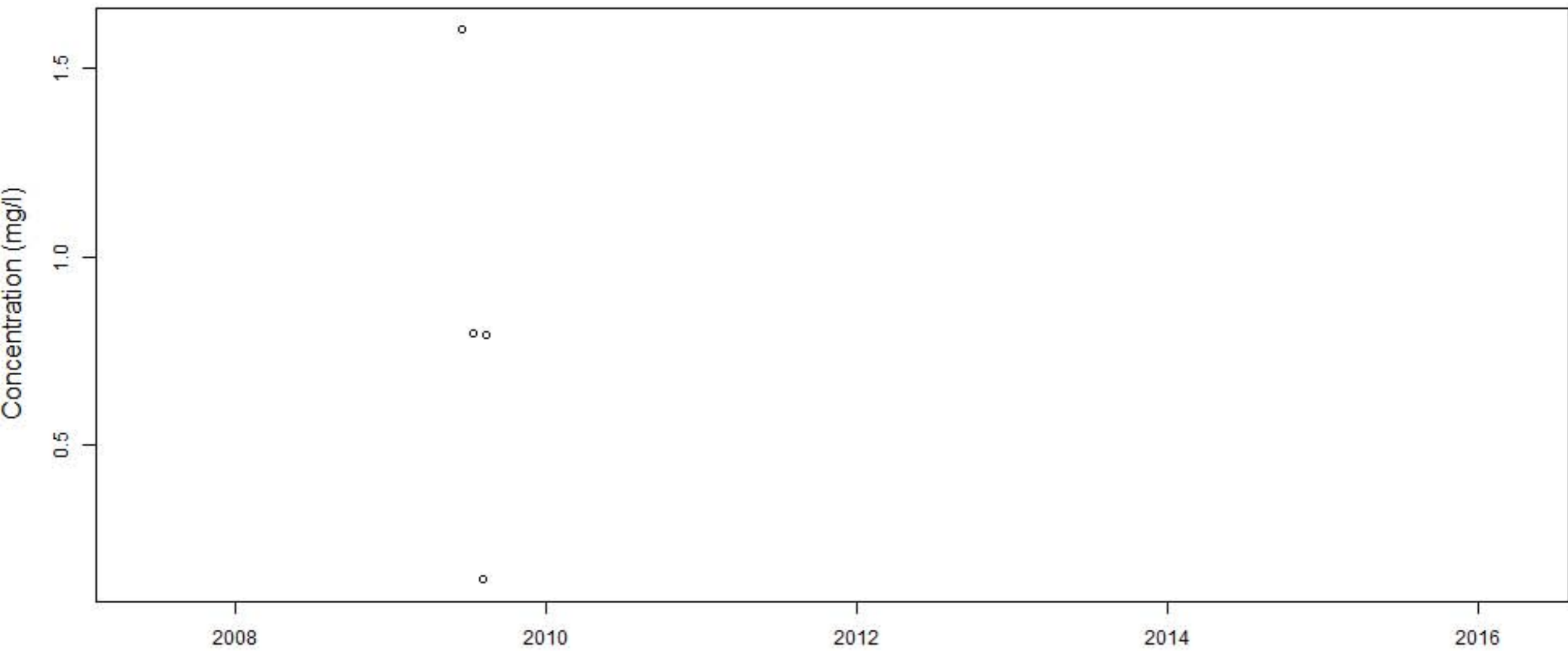




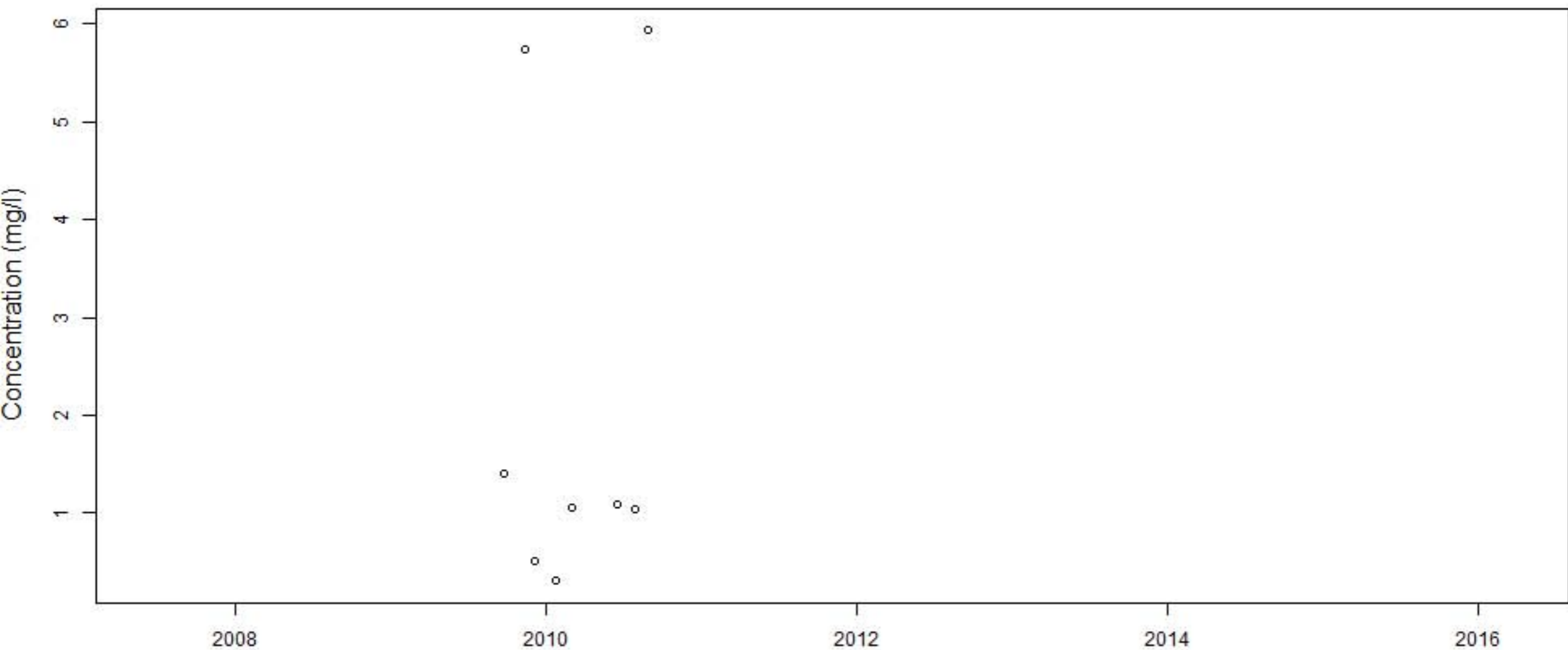
# Christine.Place.Comp



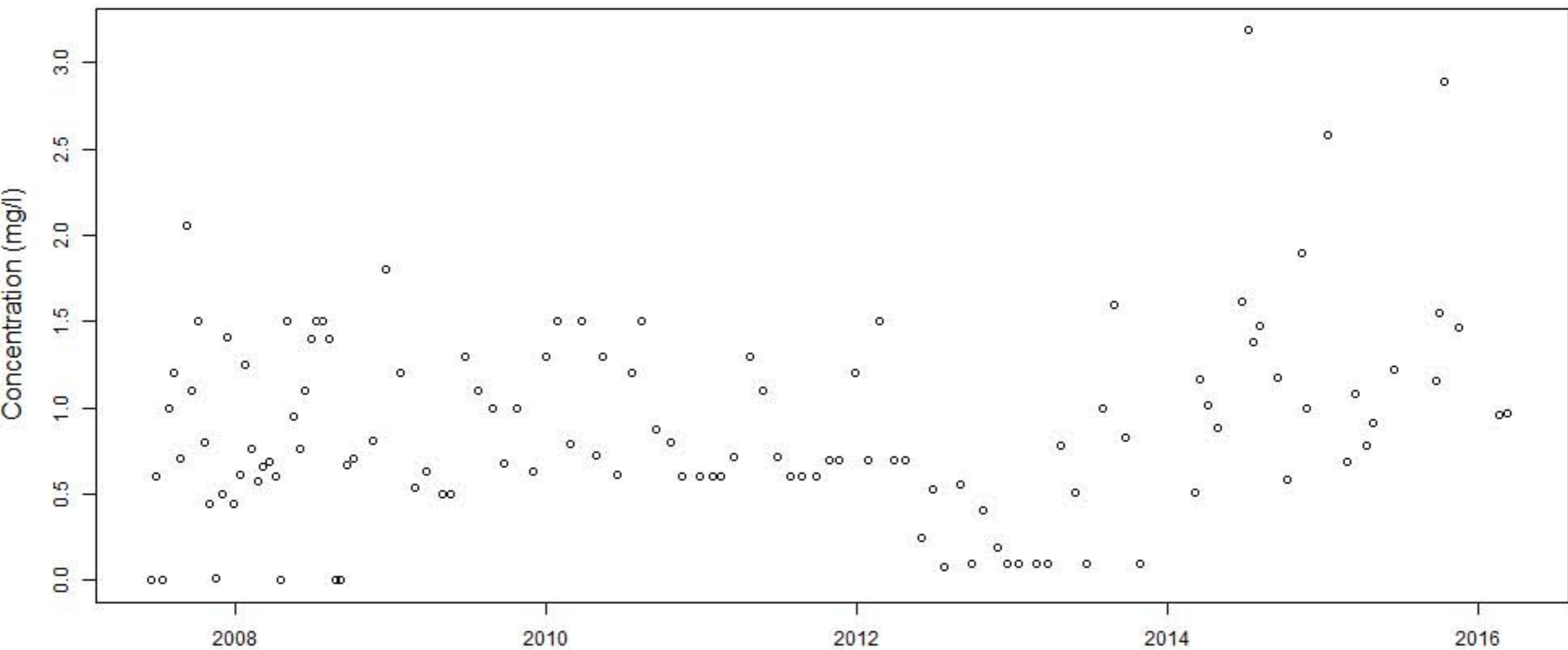
# Christine.Place.Grab



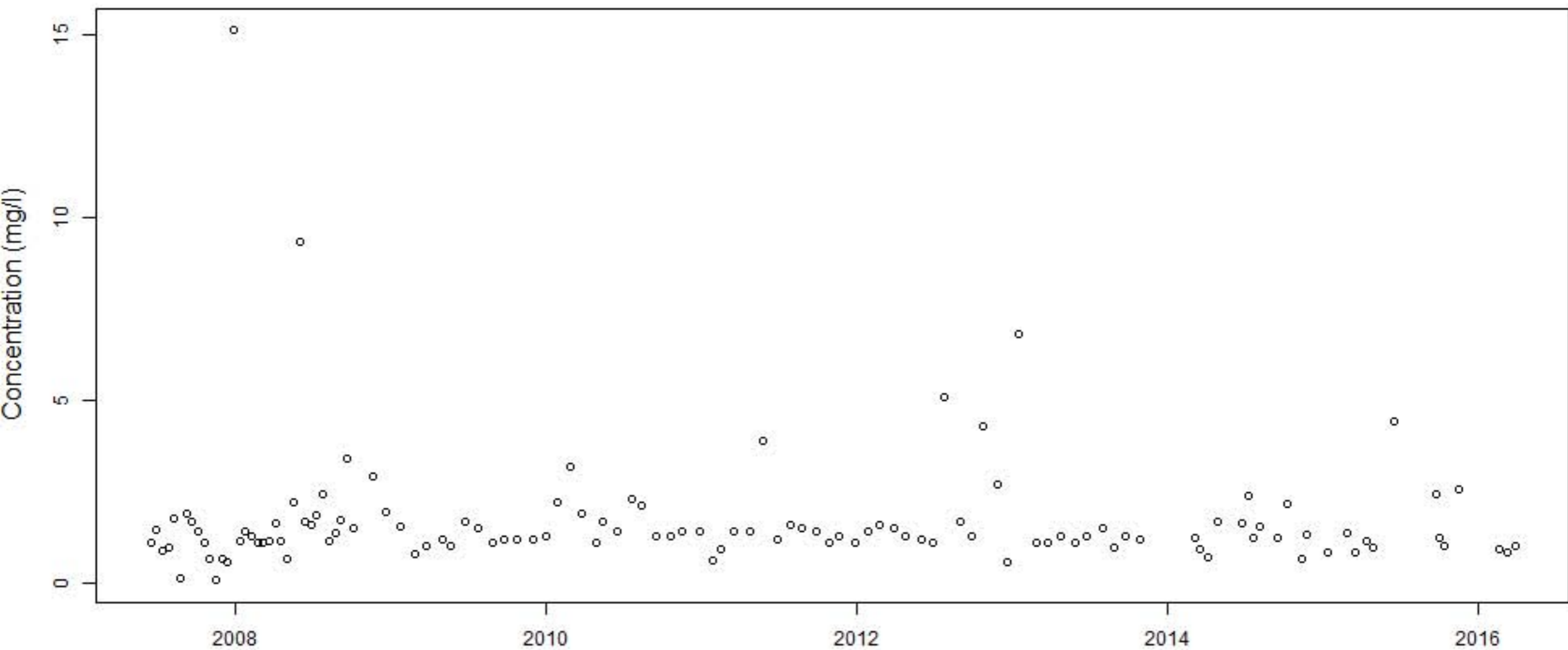
# Christine.Place.R



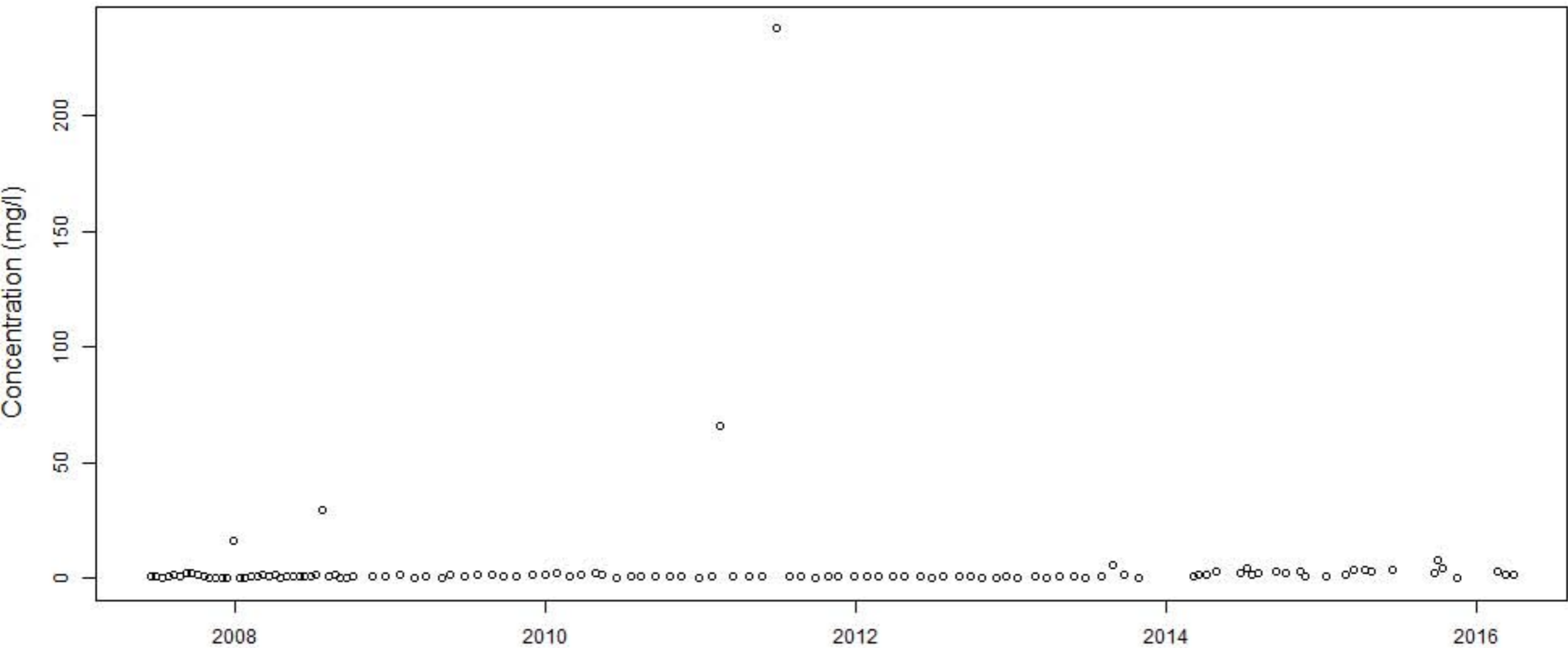
# CRACKER.BARREL



# CREATION.STATION

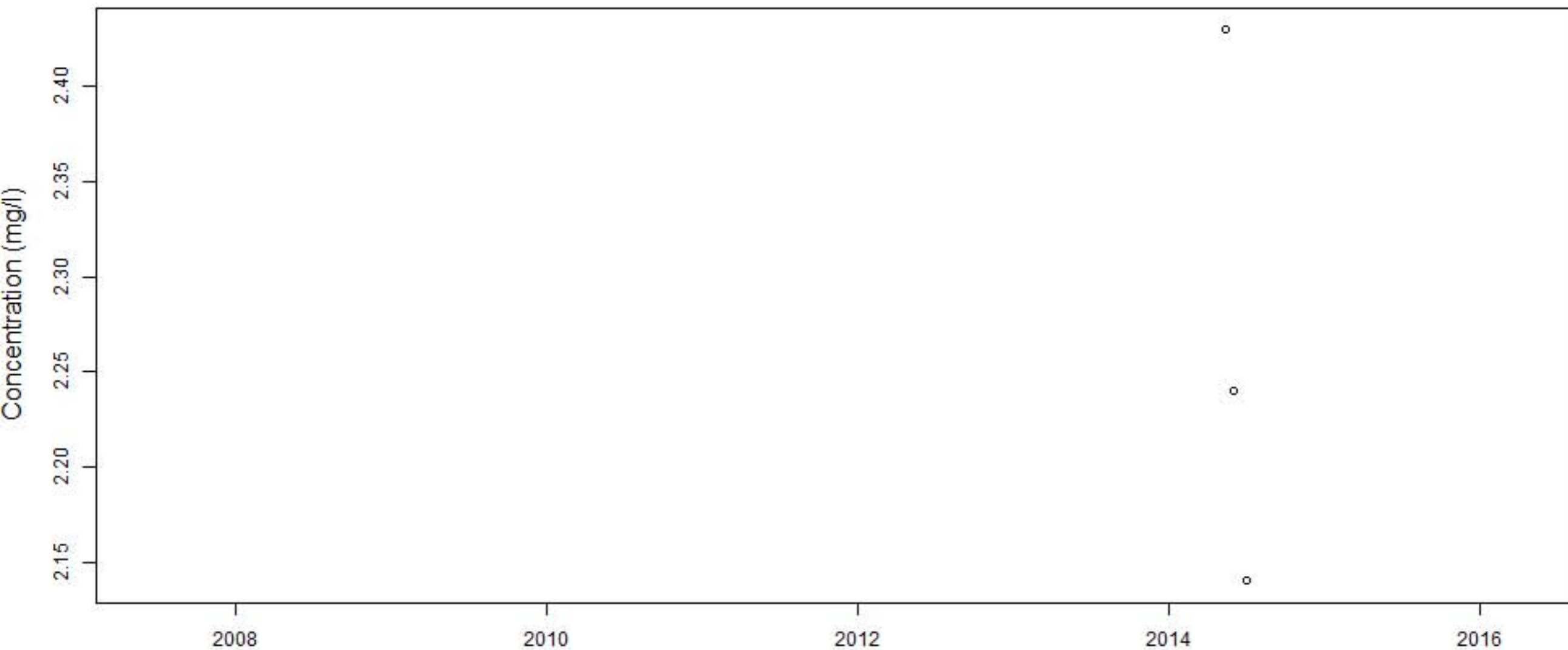


# CSA



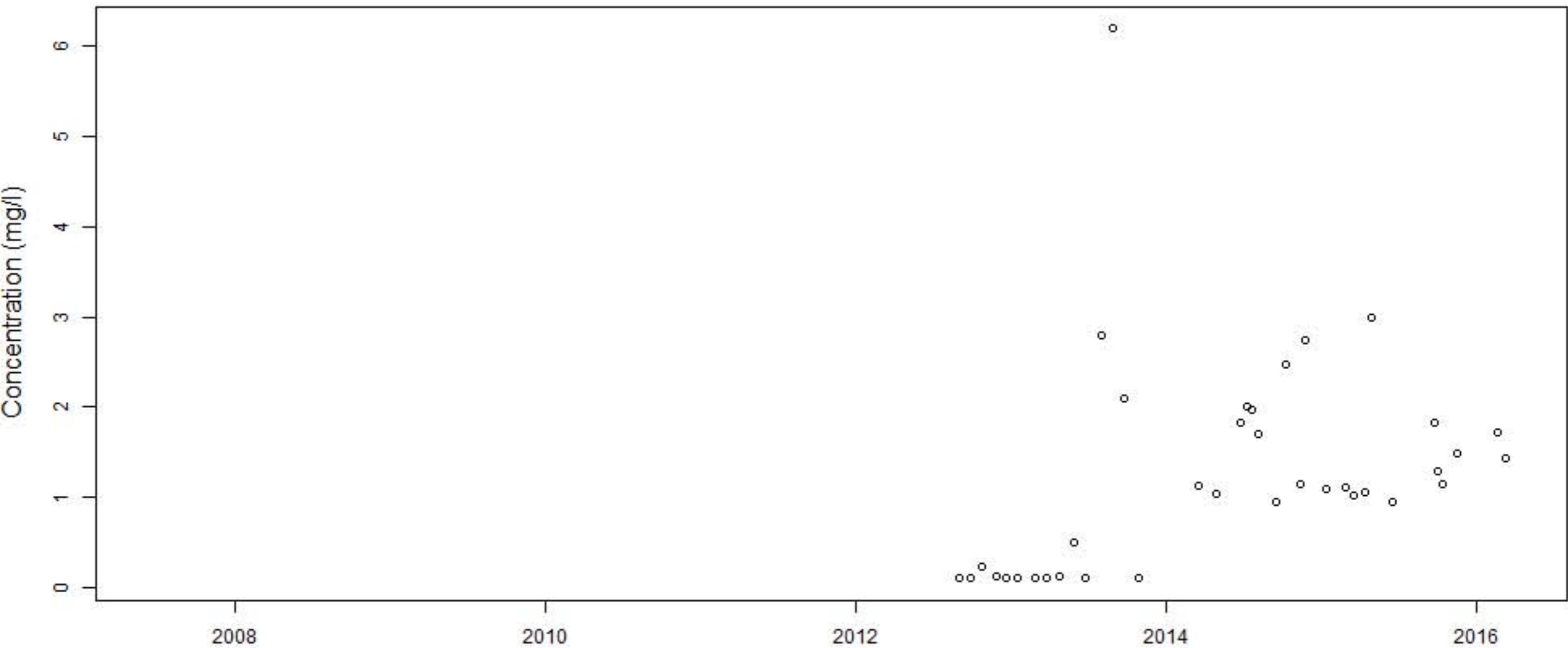


EXECUTIVE.PARK.ROAD.107



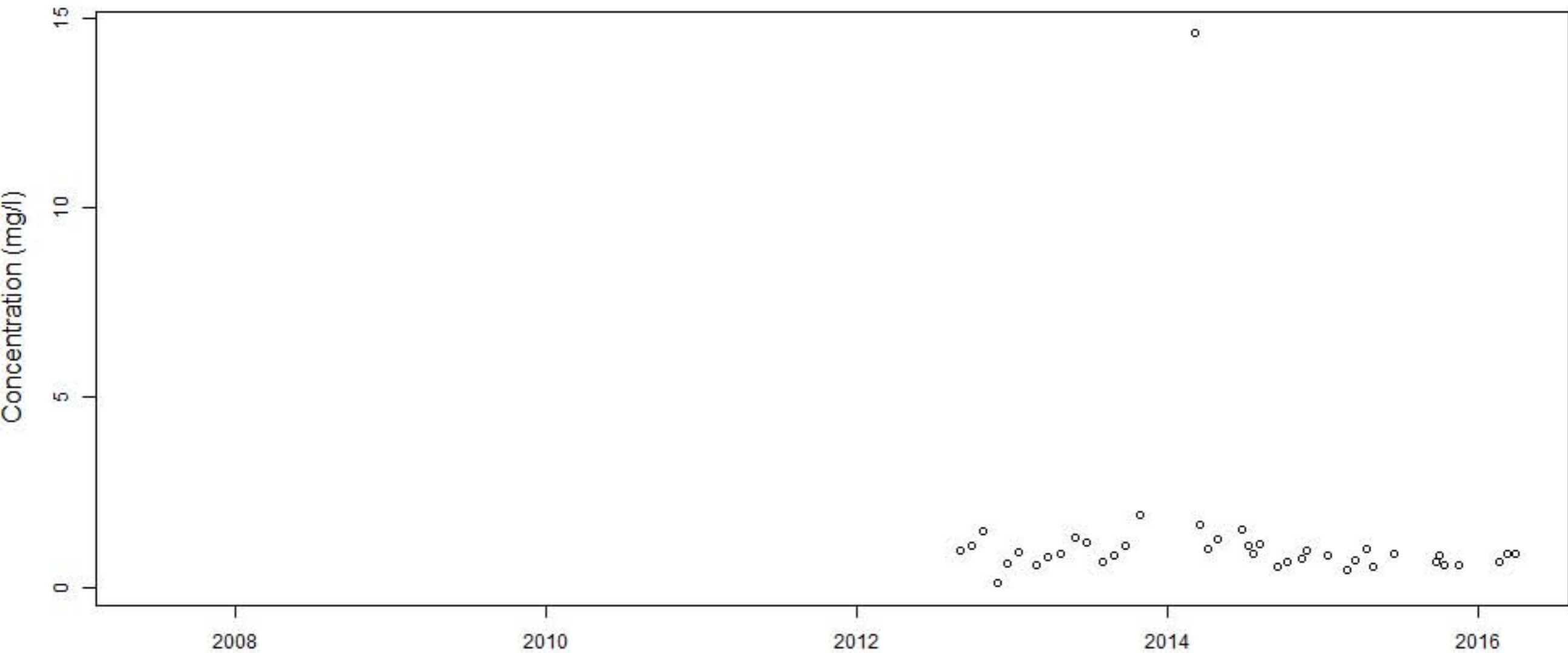


# FISH.HAUL



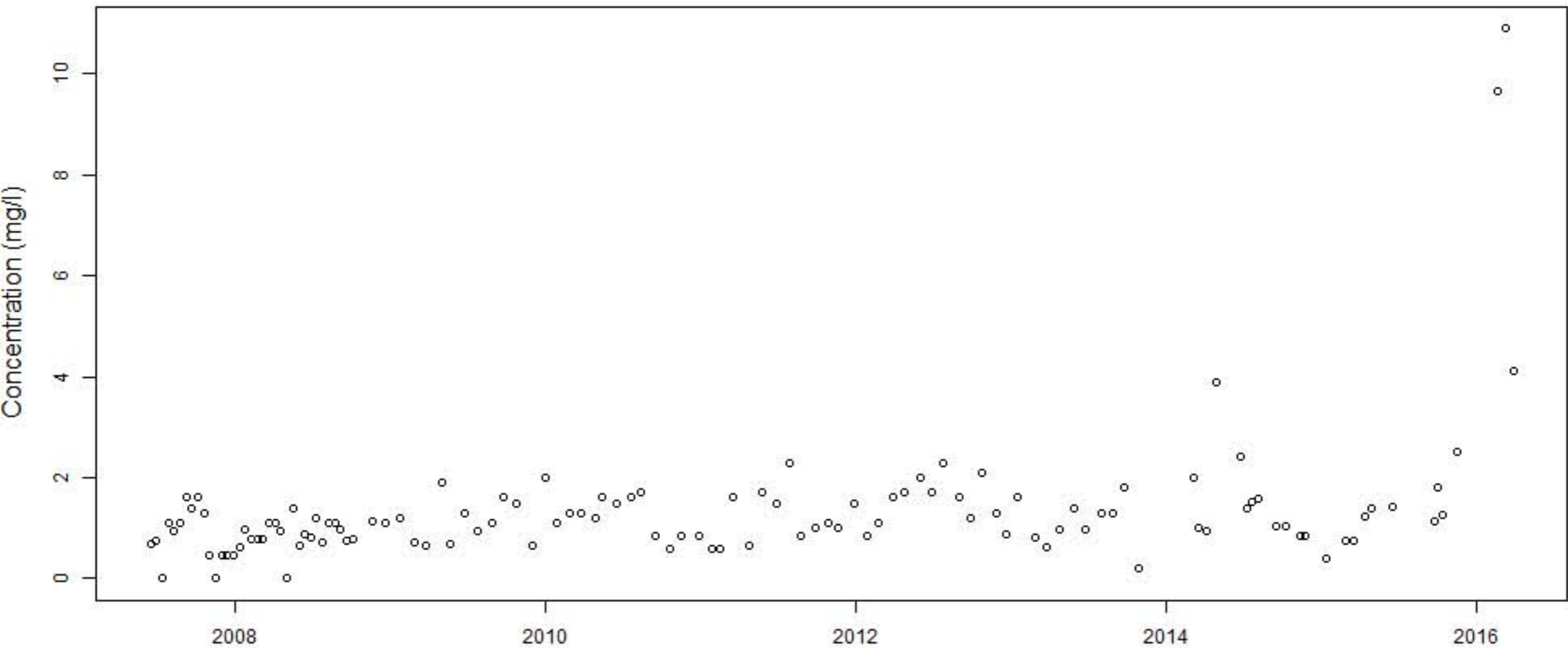


# HARBOR.MANOR

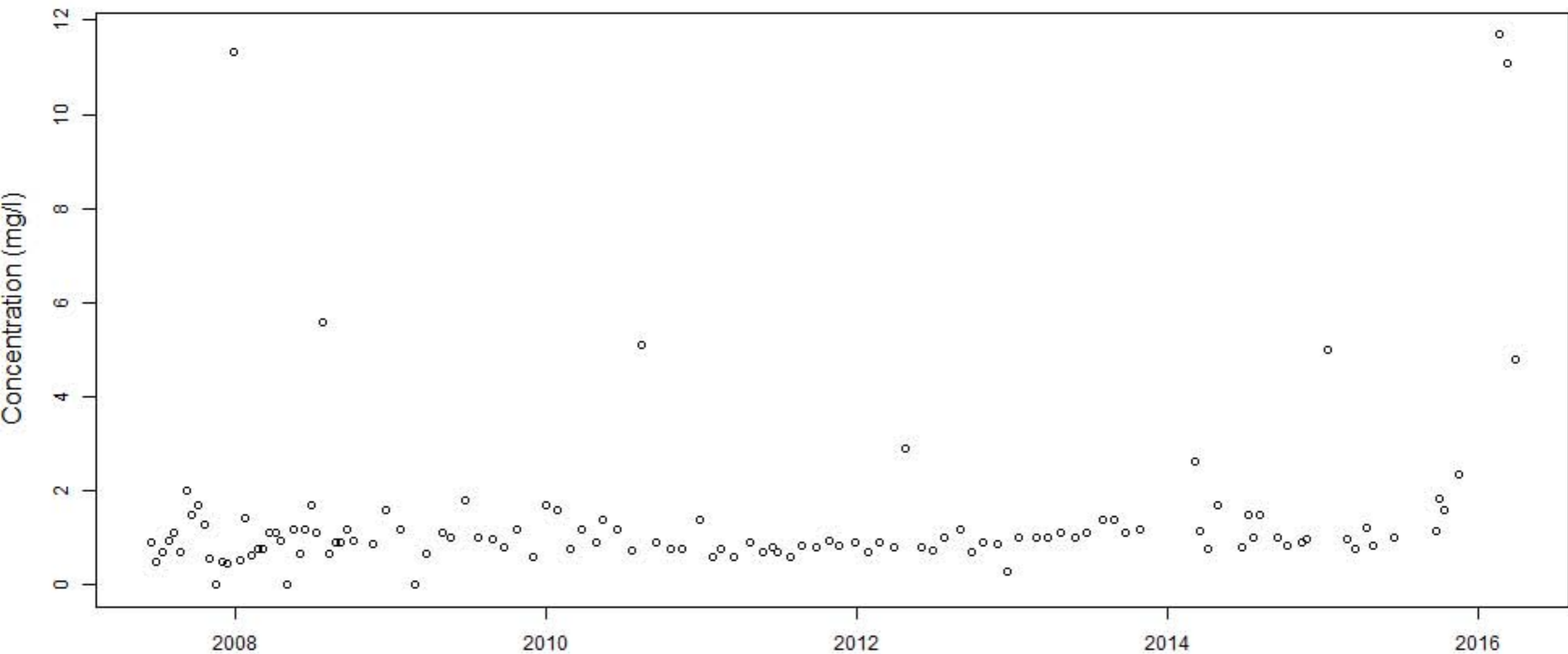




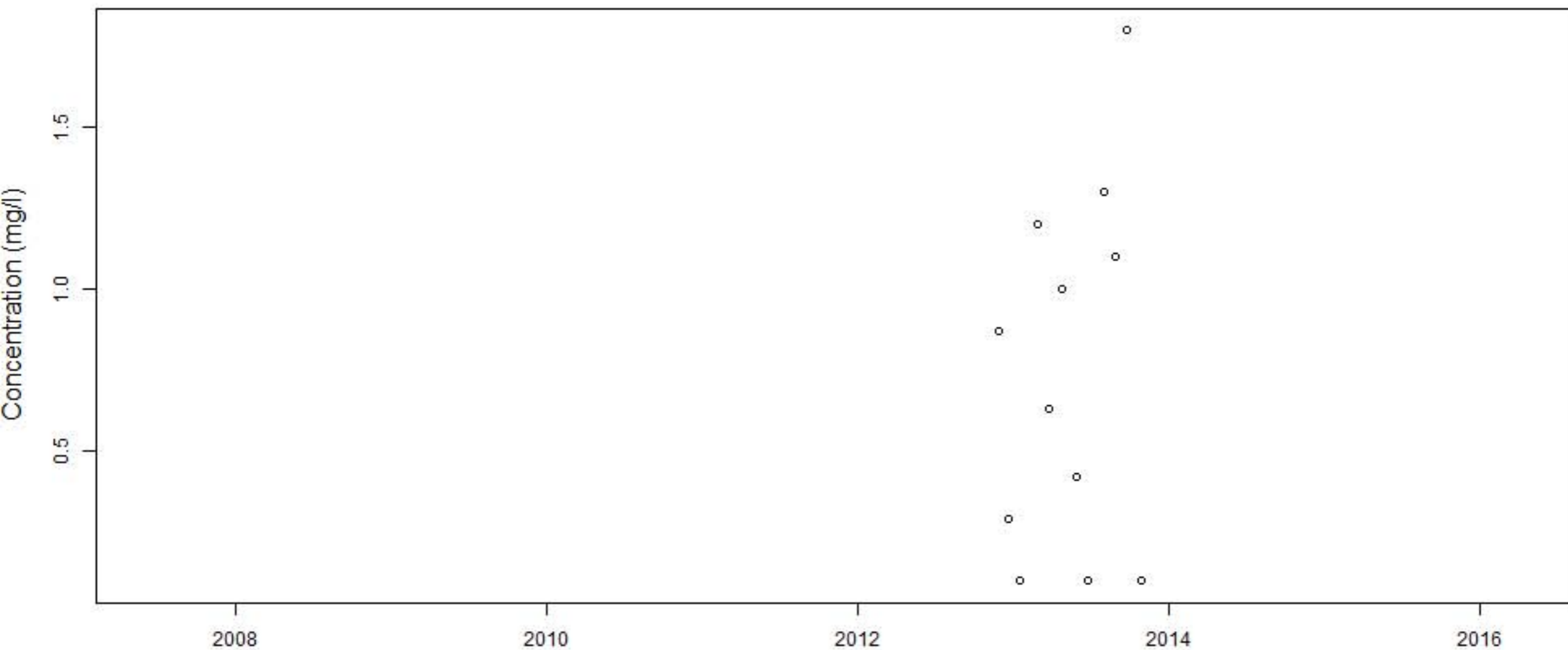
# JARVIS.1



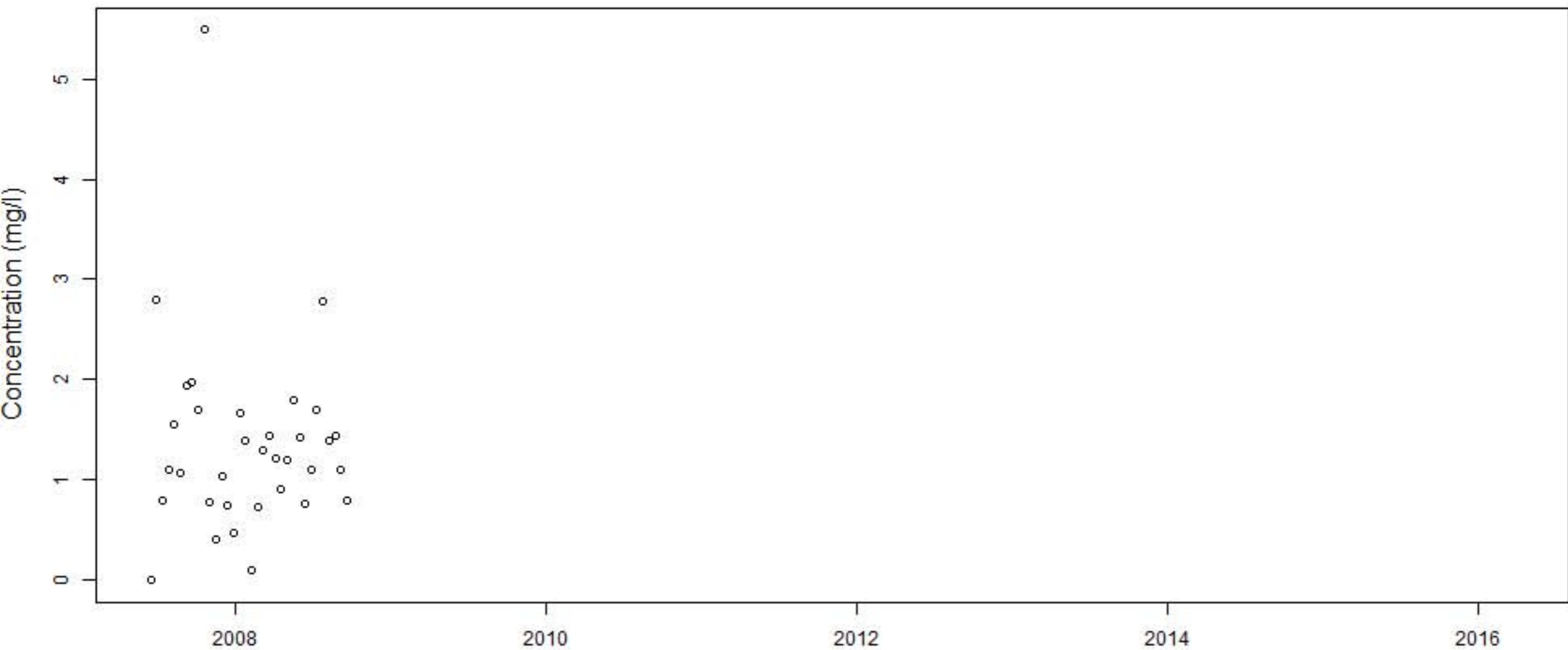
# JARVIS.2



# JARVIS.3



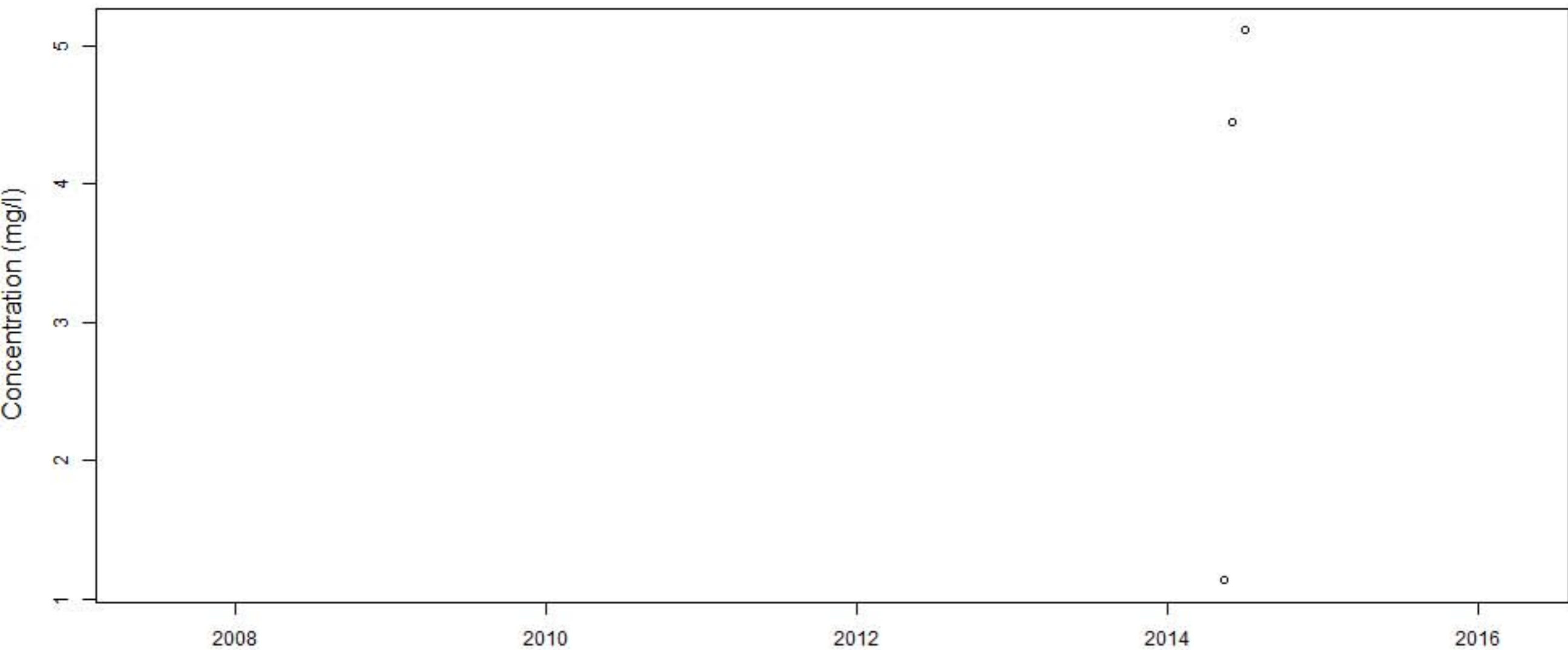
# MATHEWS.1







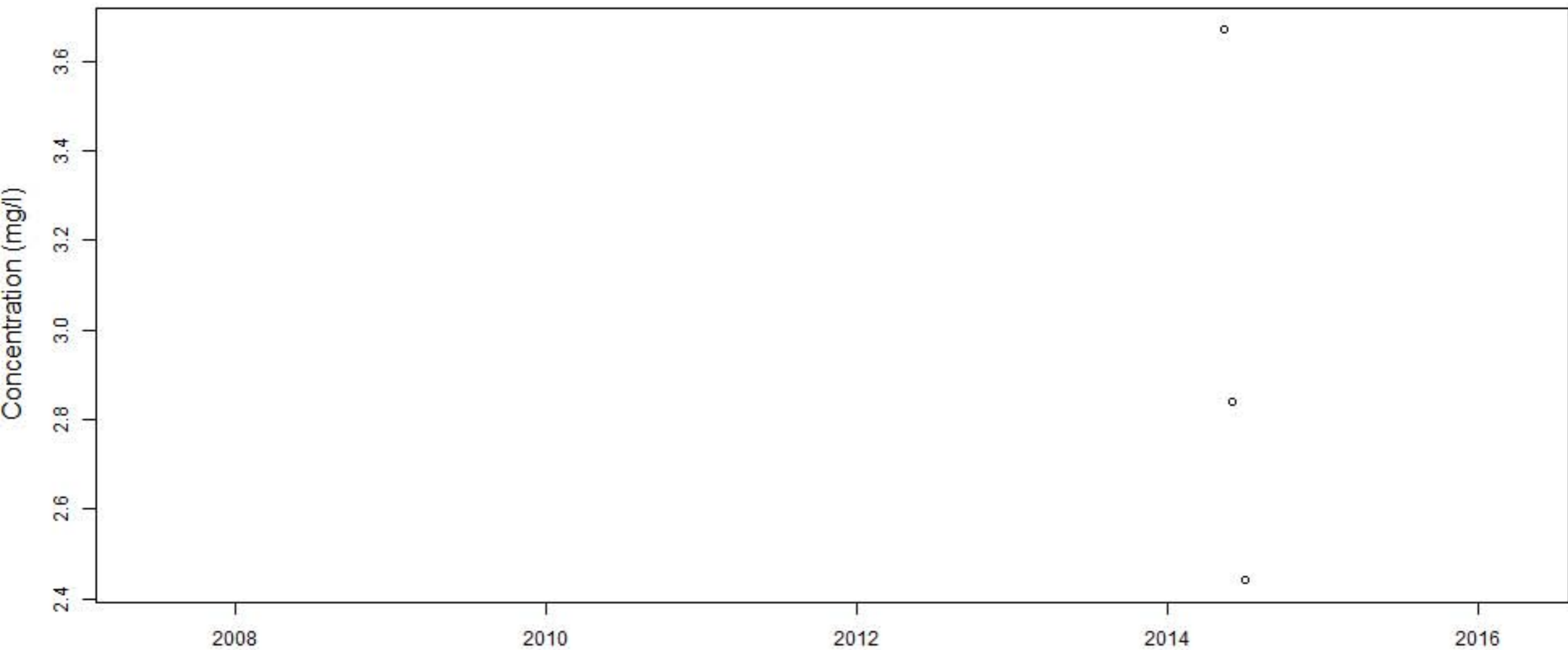
MATHEWS.DRIVE.104



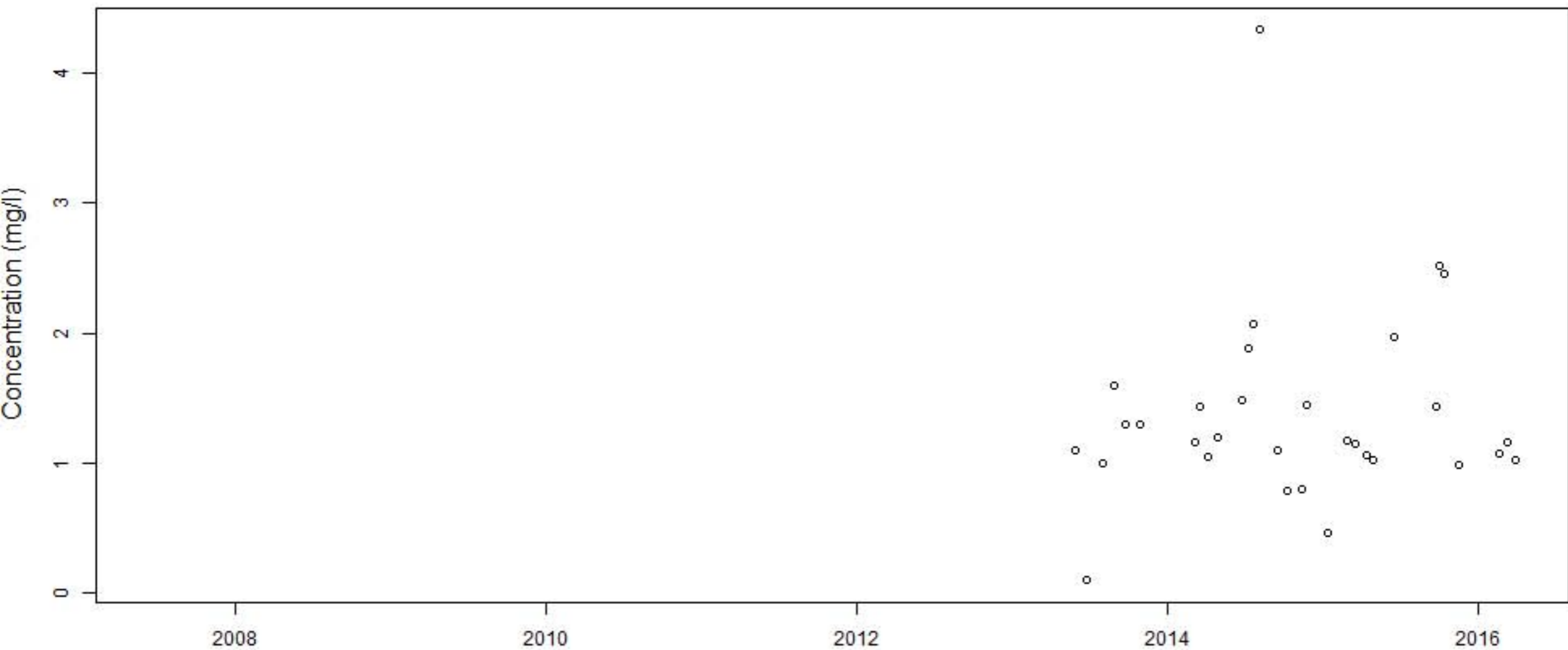




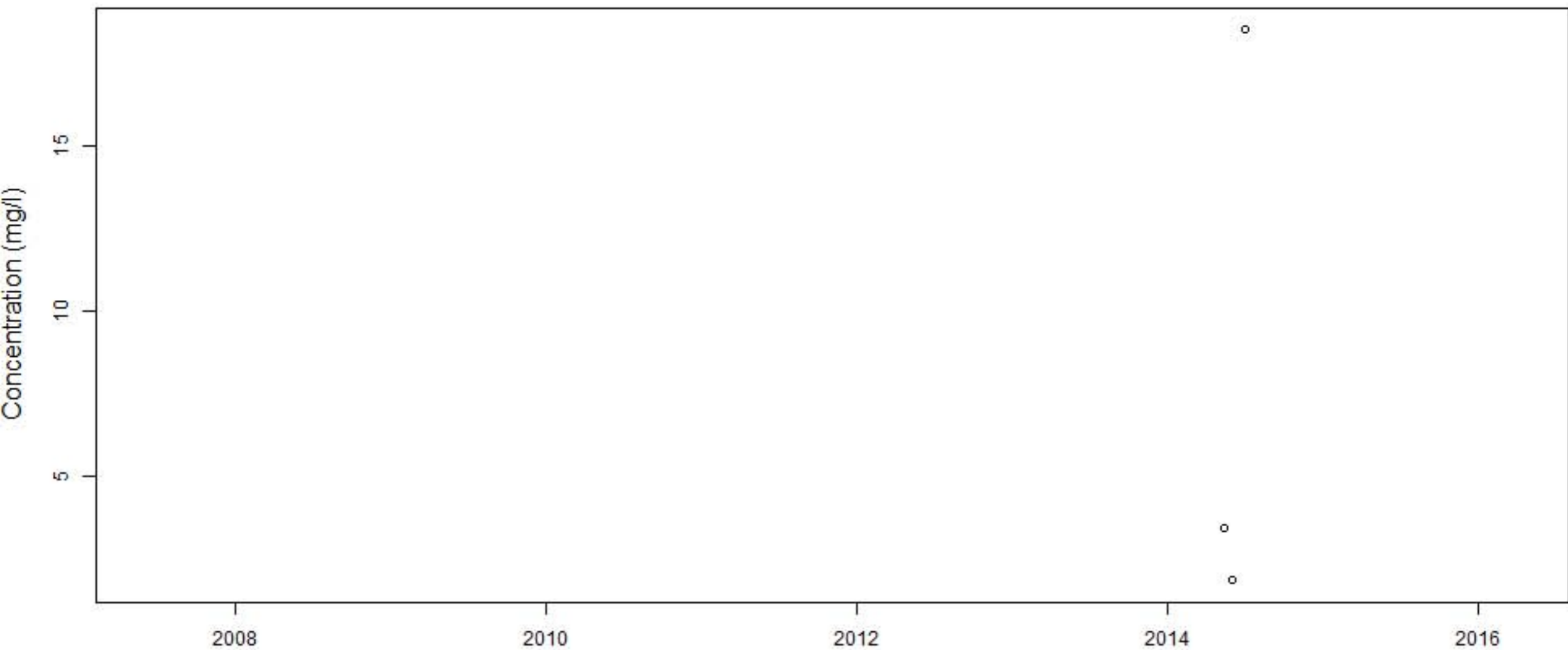
OFFICE.PARK.ROAD.106



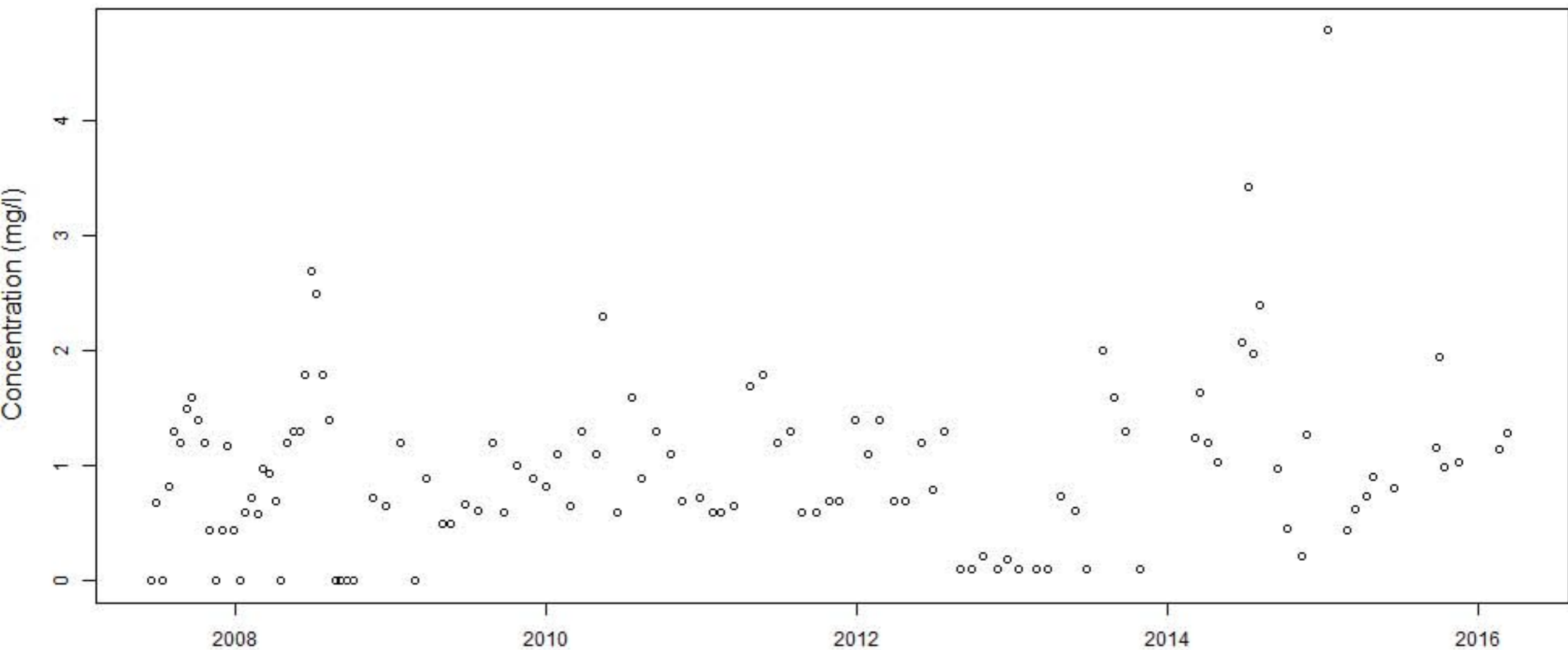
# PALMETTO.DUNES



POPE.AVENUE.105

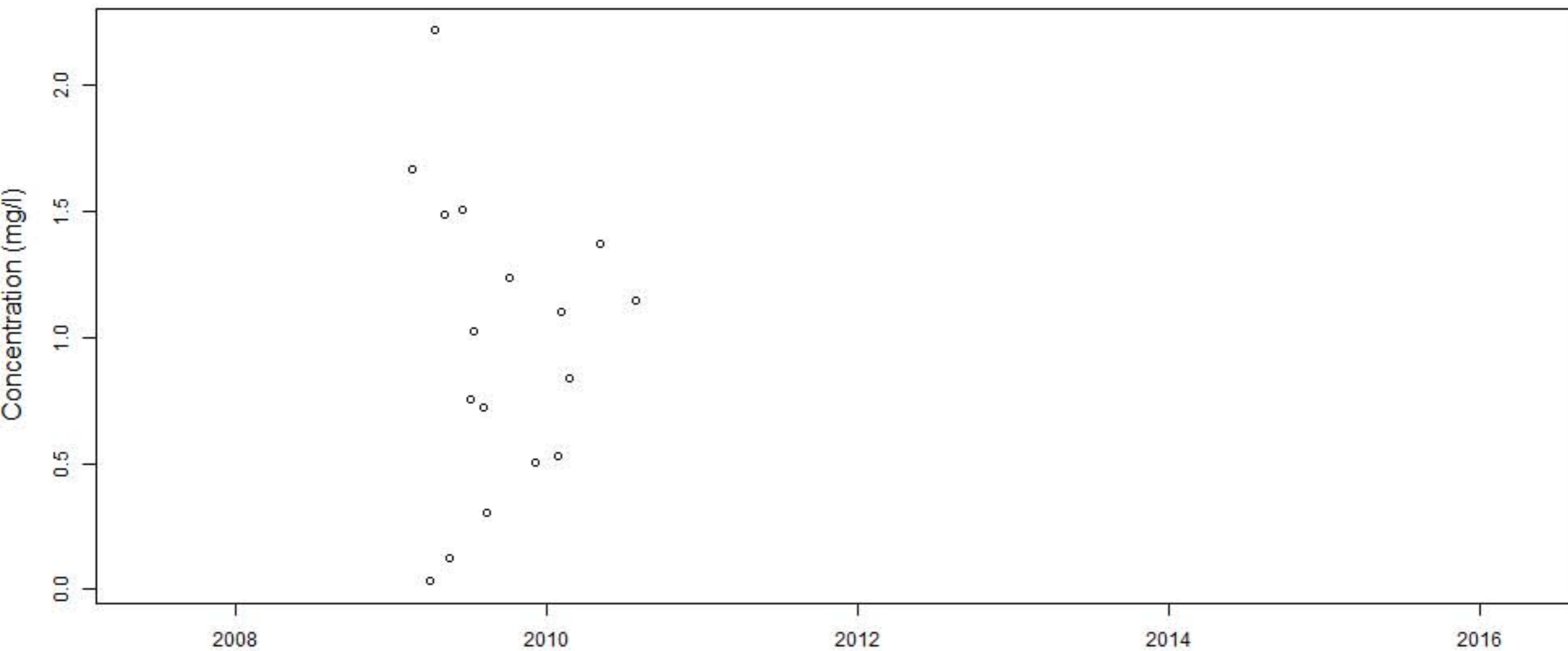


# SINGLETON.BEACH

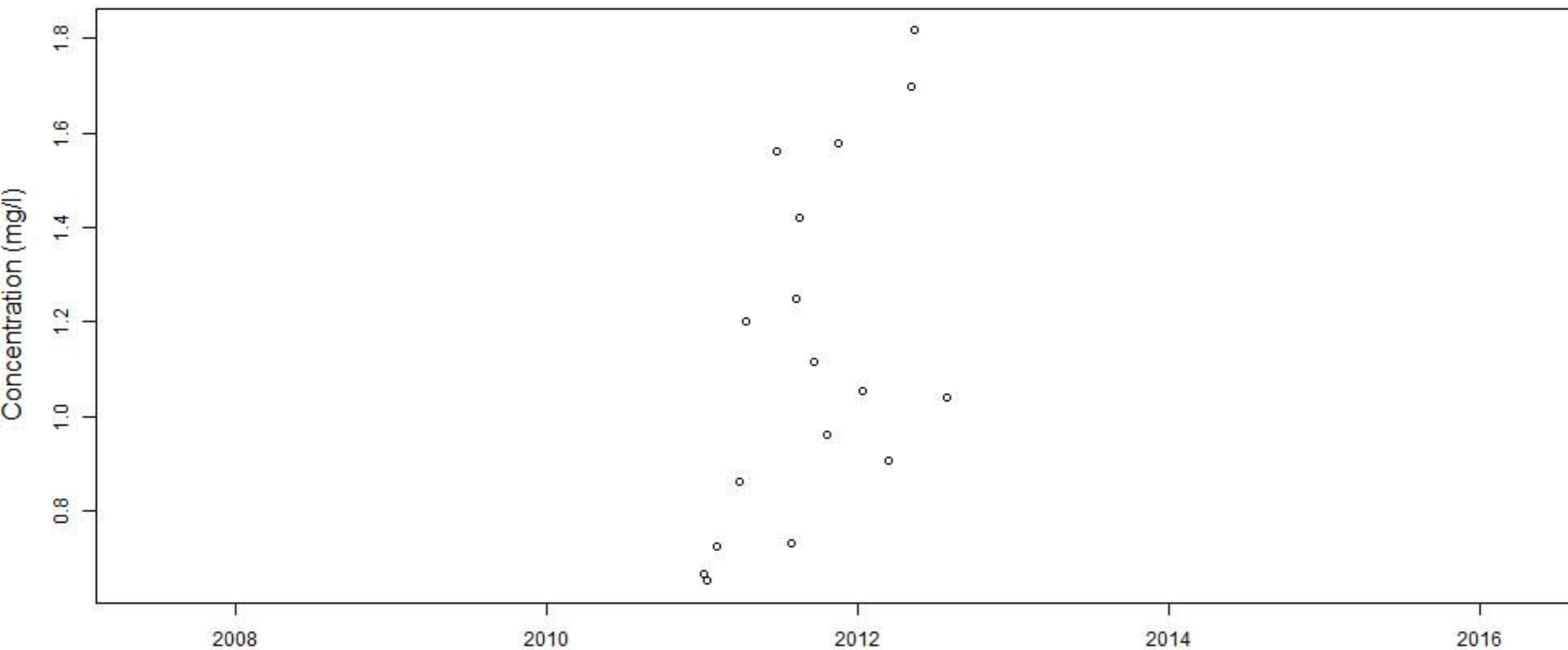




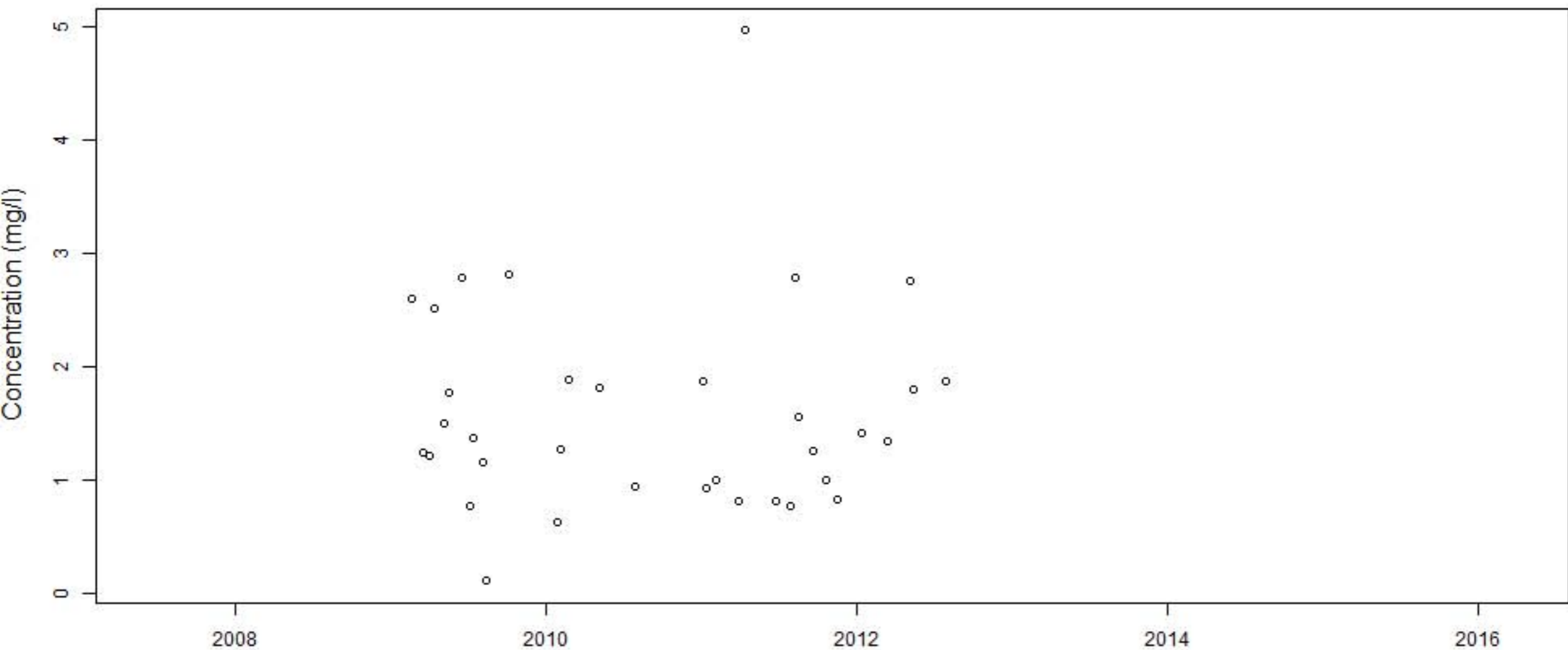
# Southside.Comp



### Southside.Grab.After

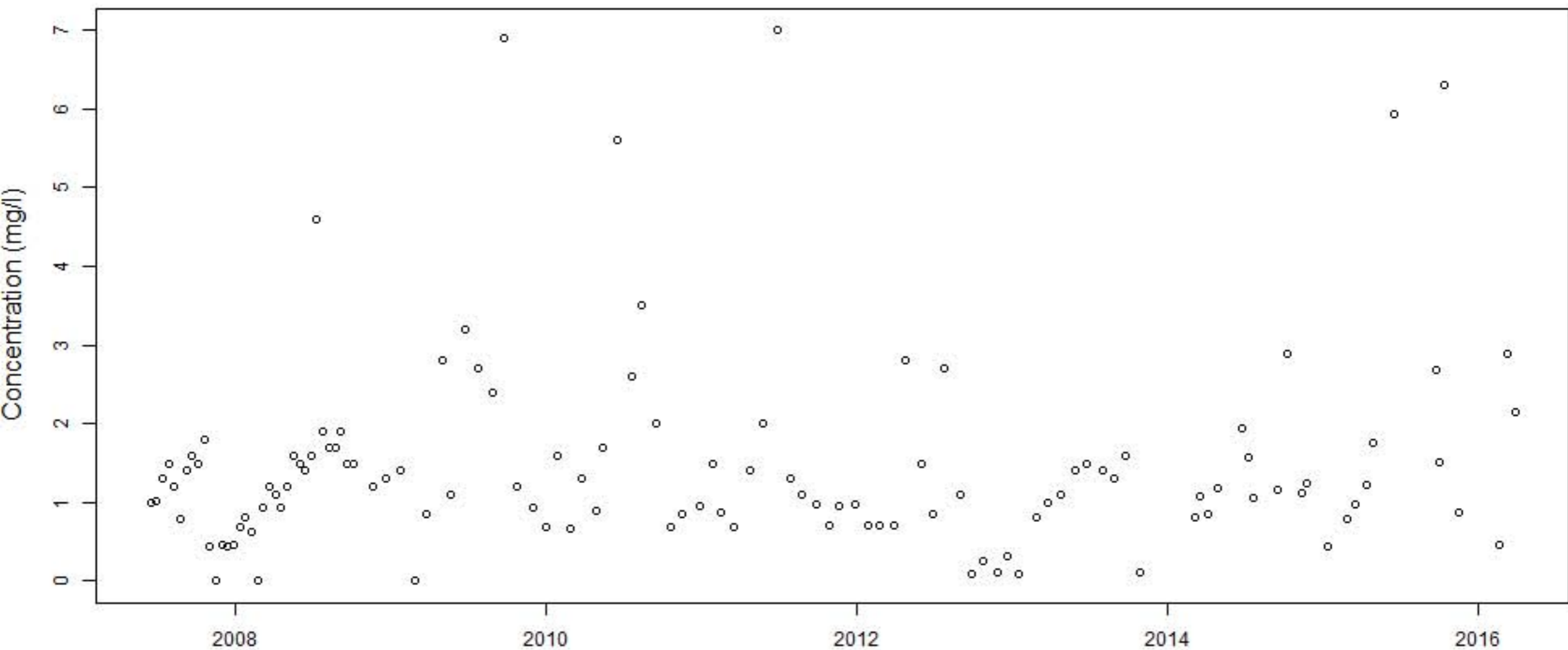


### Southside.Grab

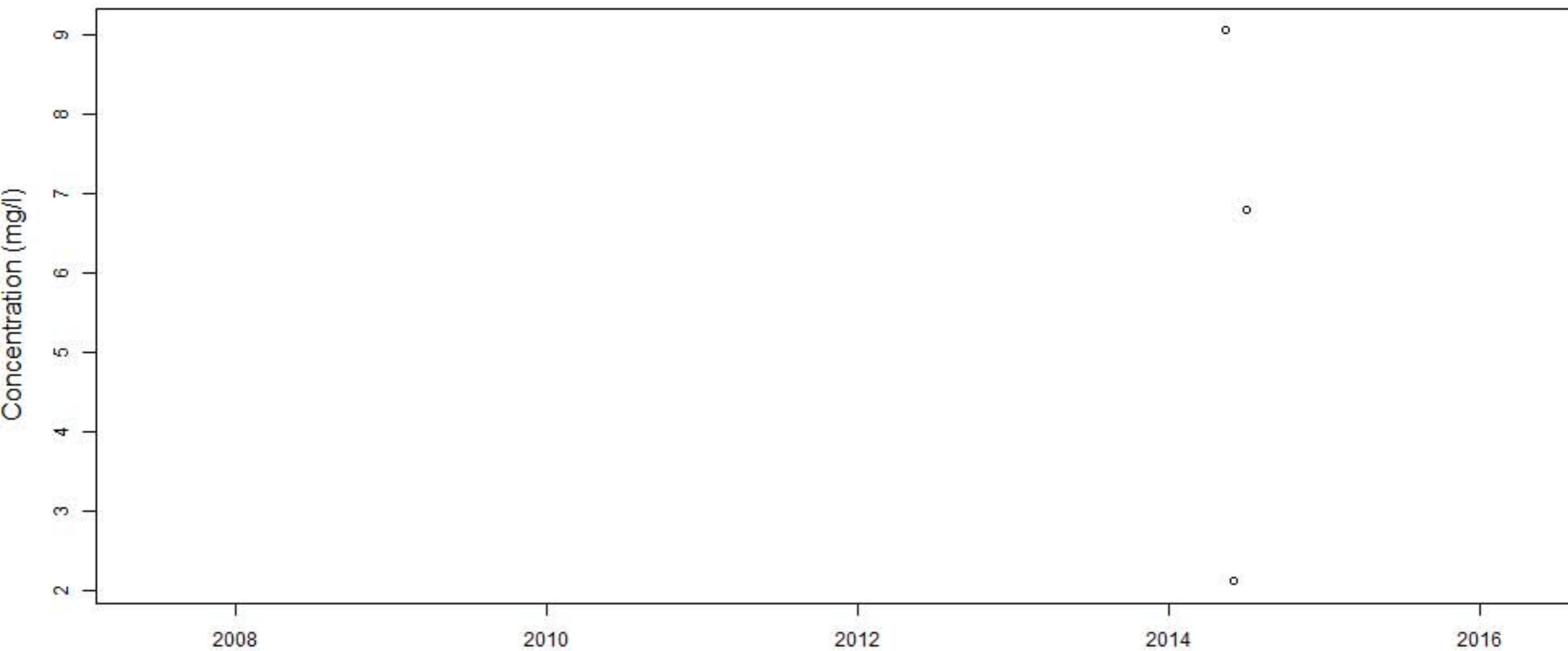




# WILD.HORSE

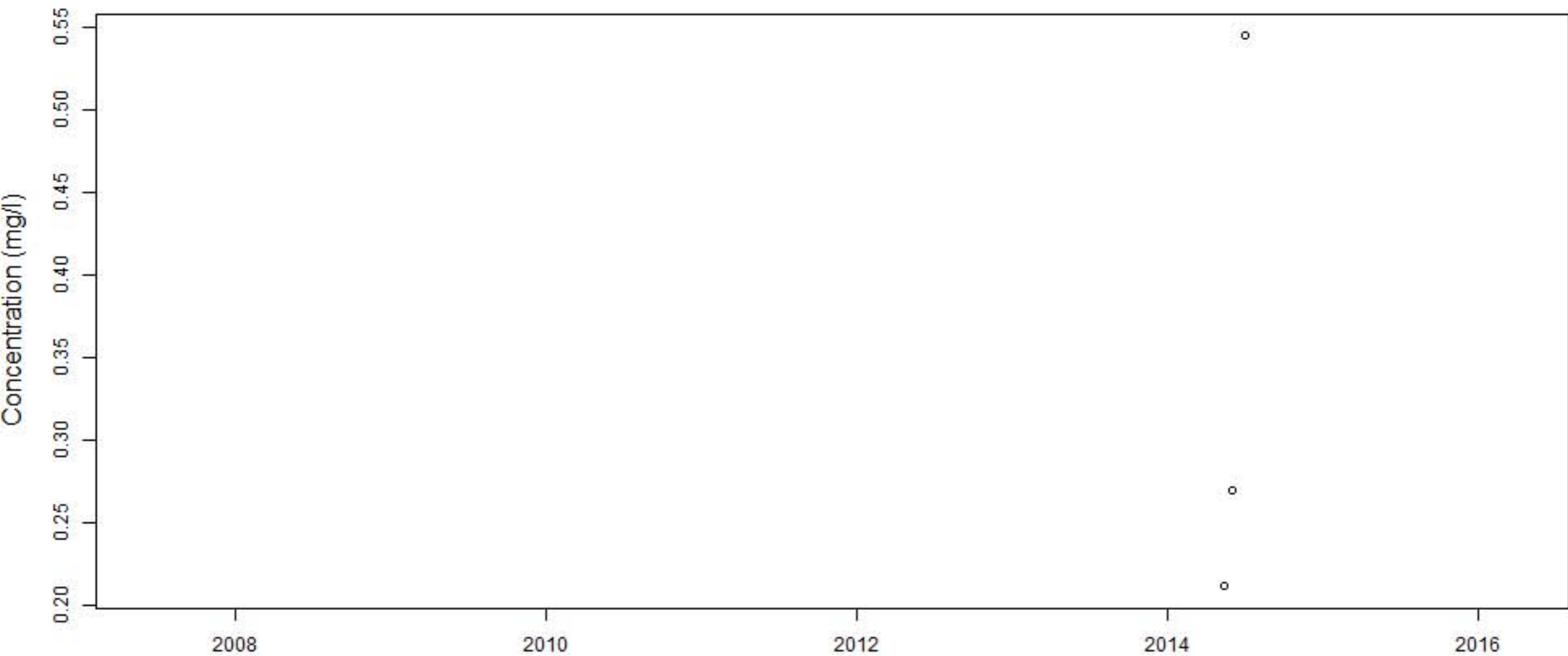


WILLIAM.HILTON.PARKWAY.103



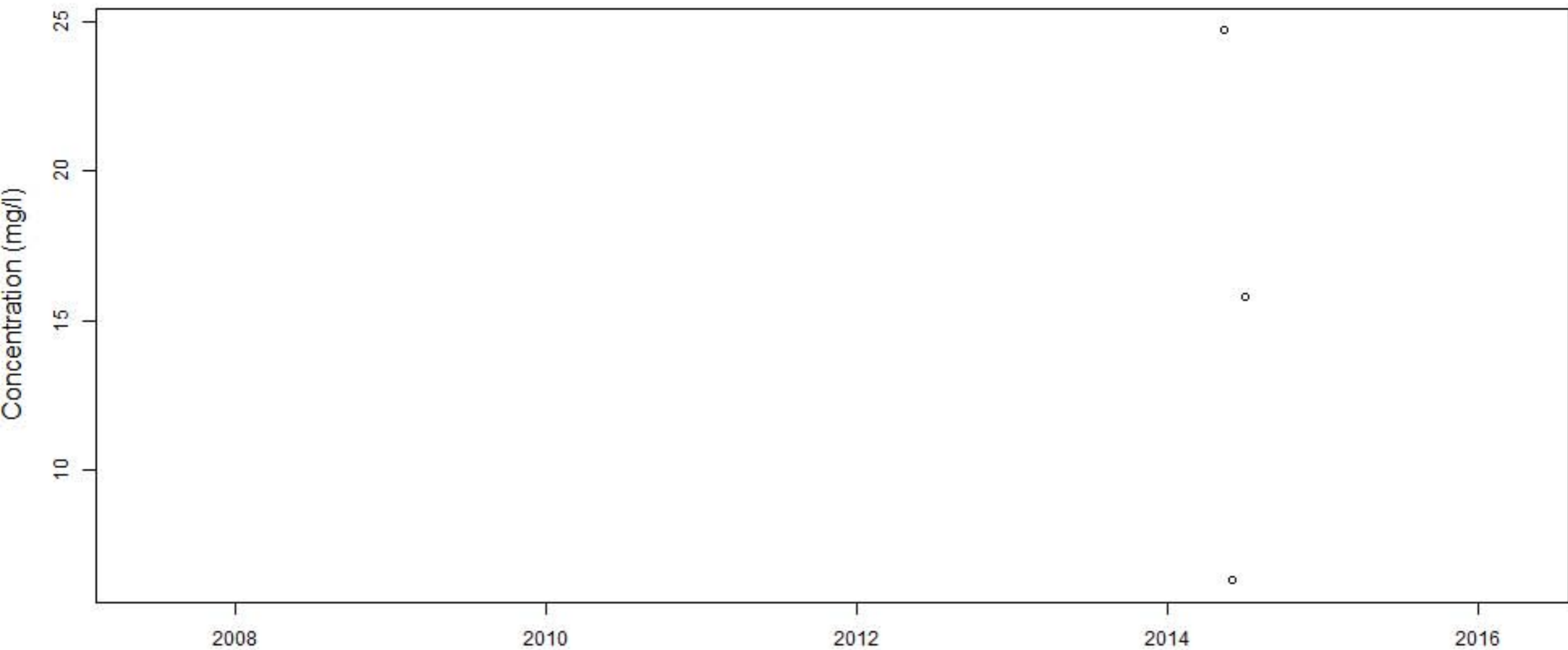
Timeseries of  
Total Phosphorus  
Water Quality Data  
Collected at  
Beaufort County Stations

# ARROW.ROAD.101

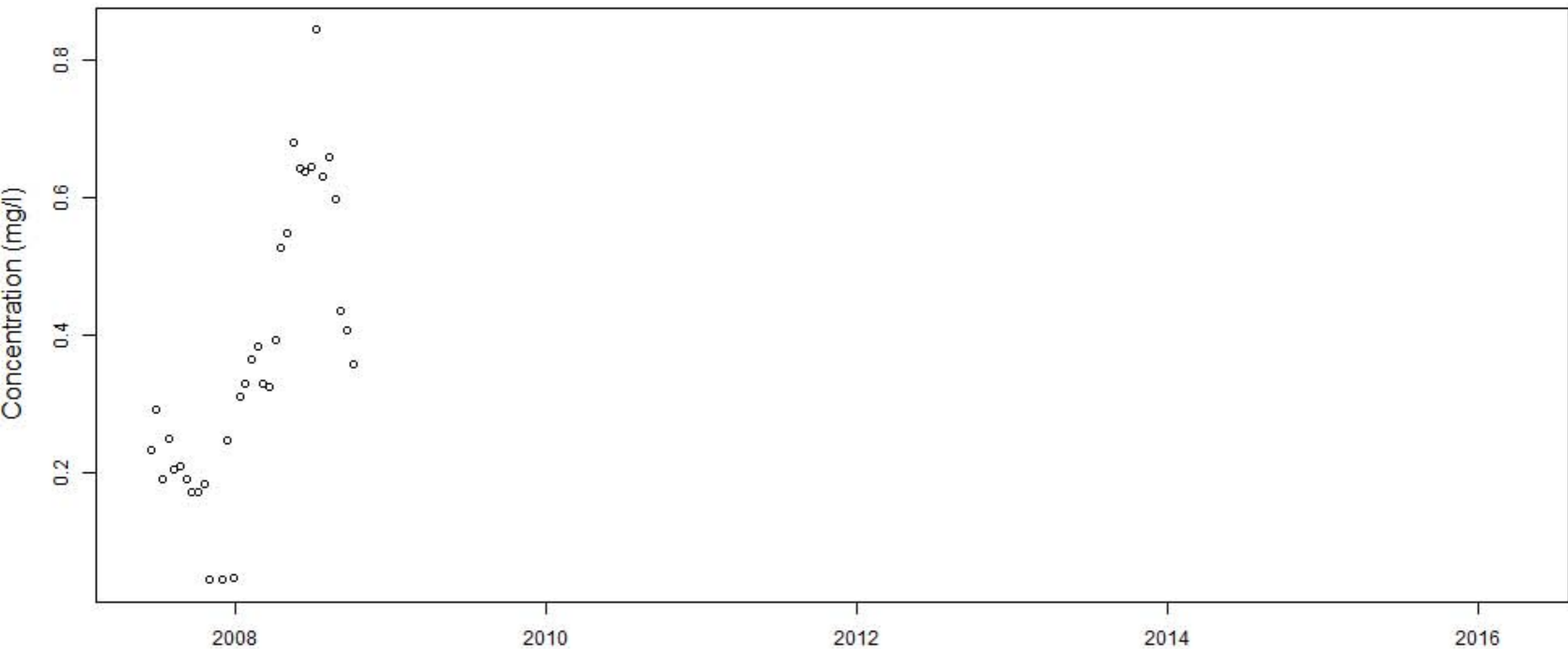




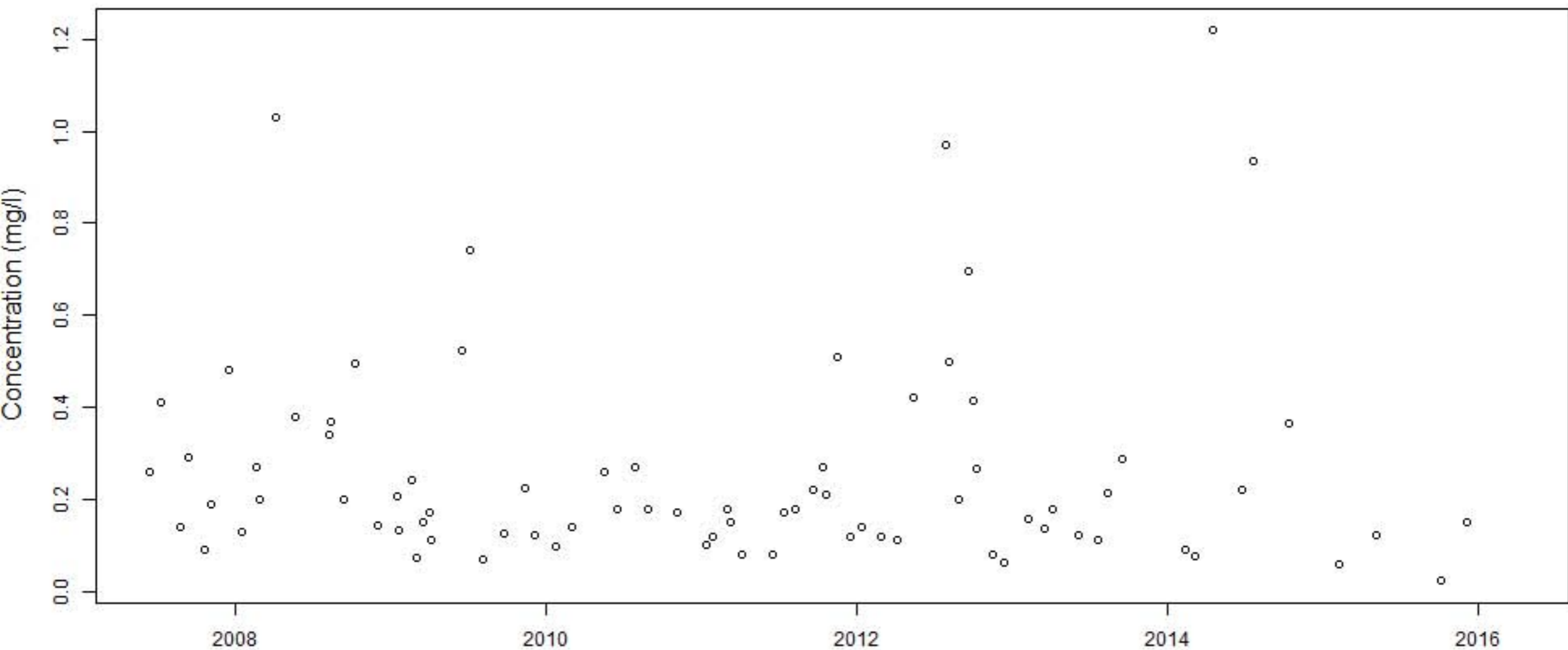
ARROW.ROAD.102



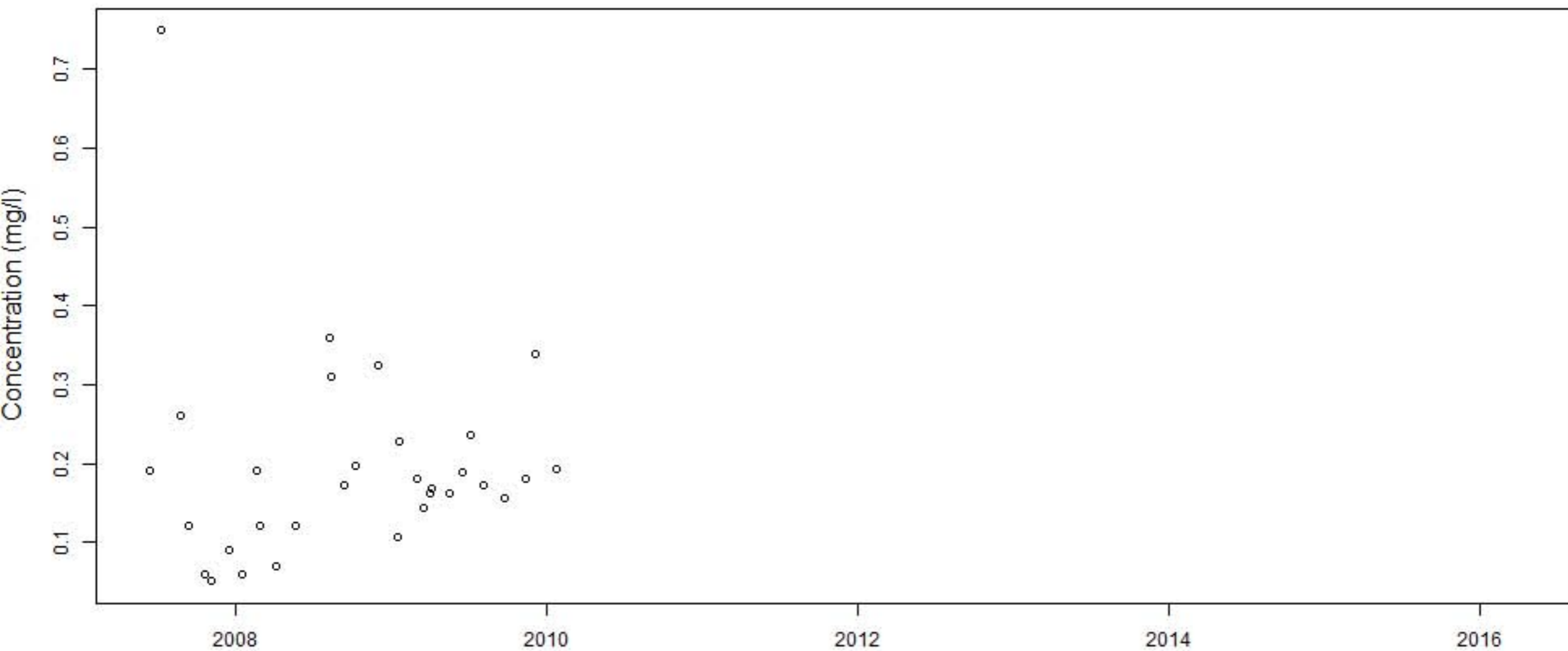
# ASHMORE



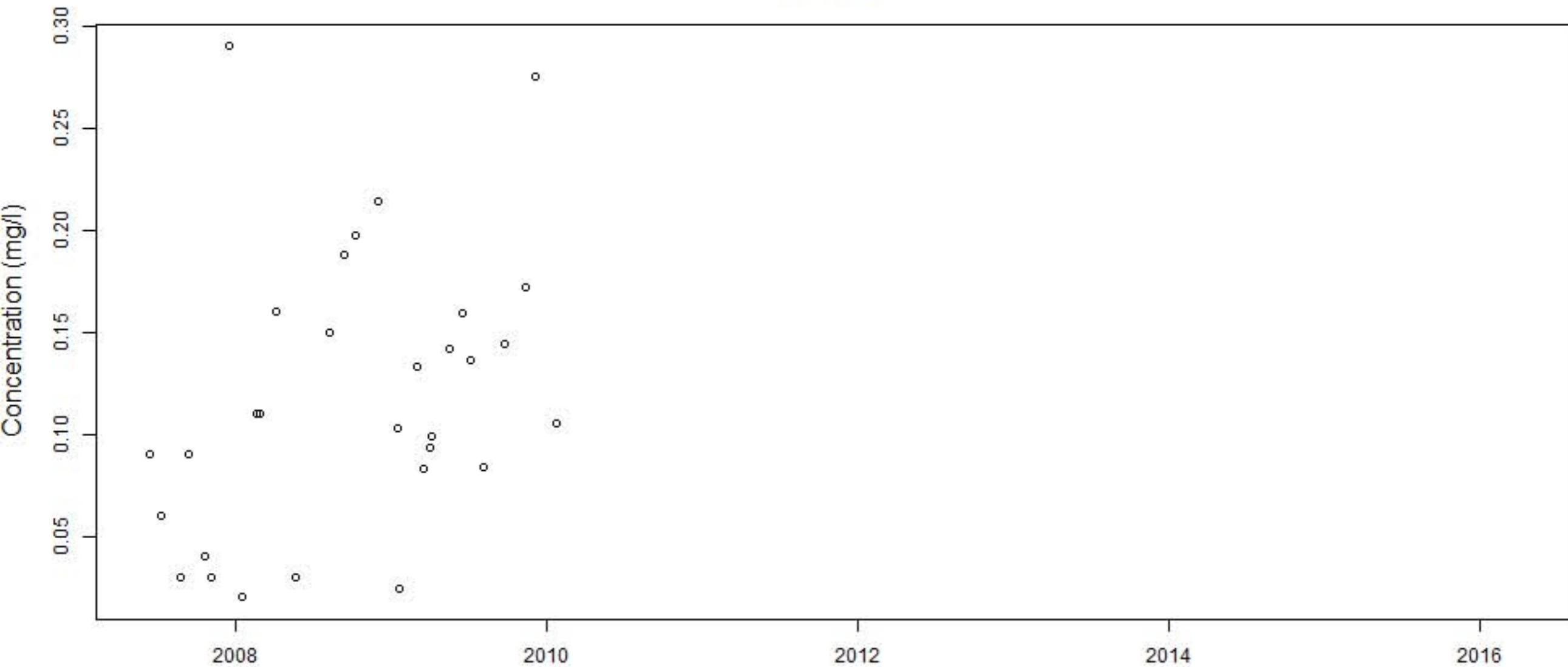
# BECY.1



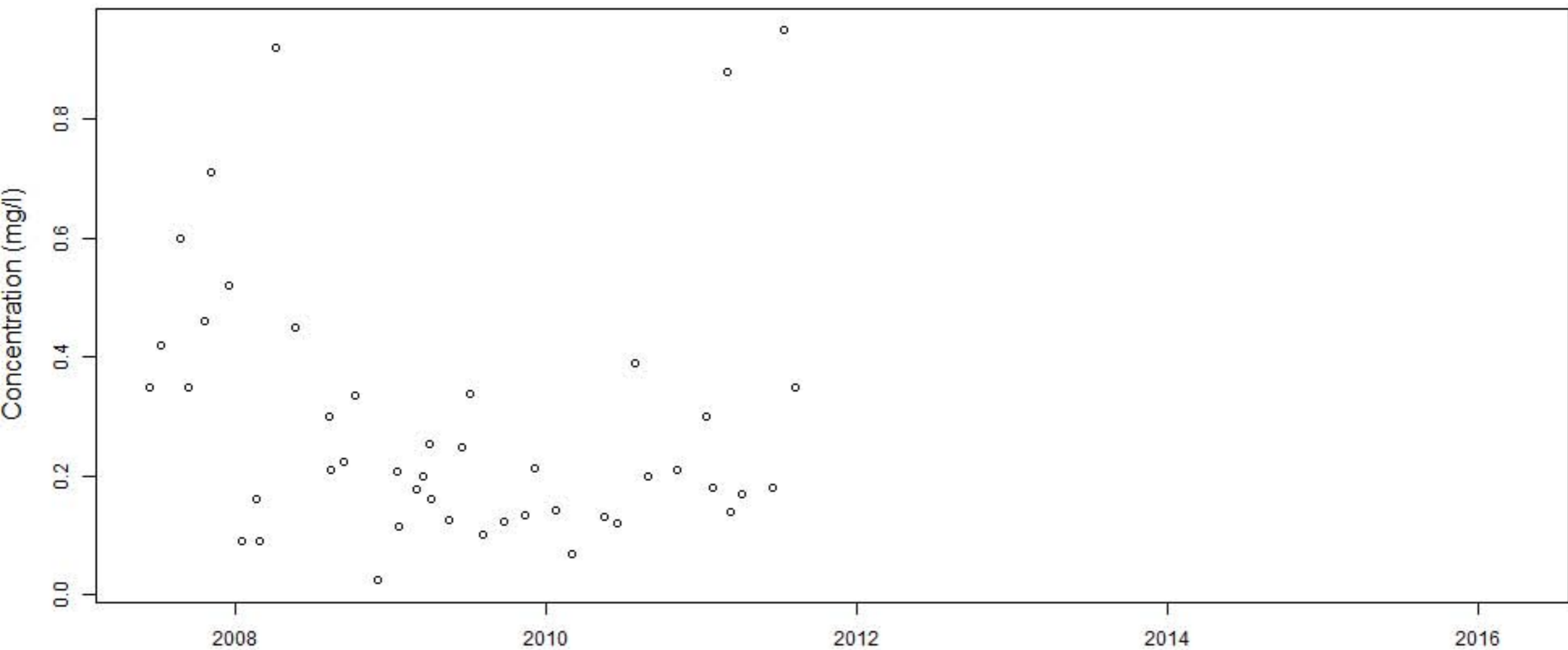
# BECY.10



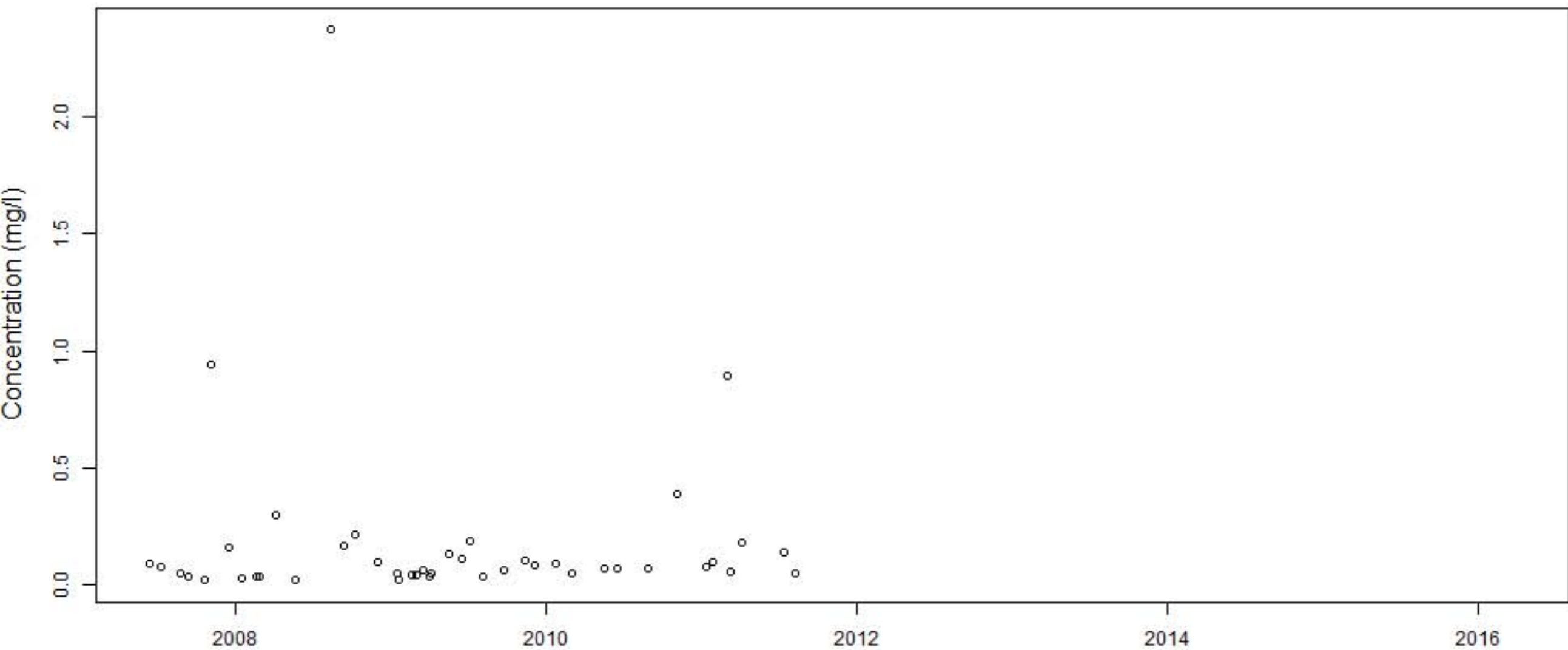
# BECY.11



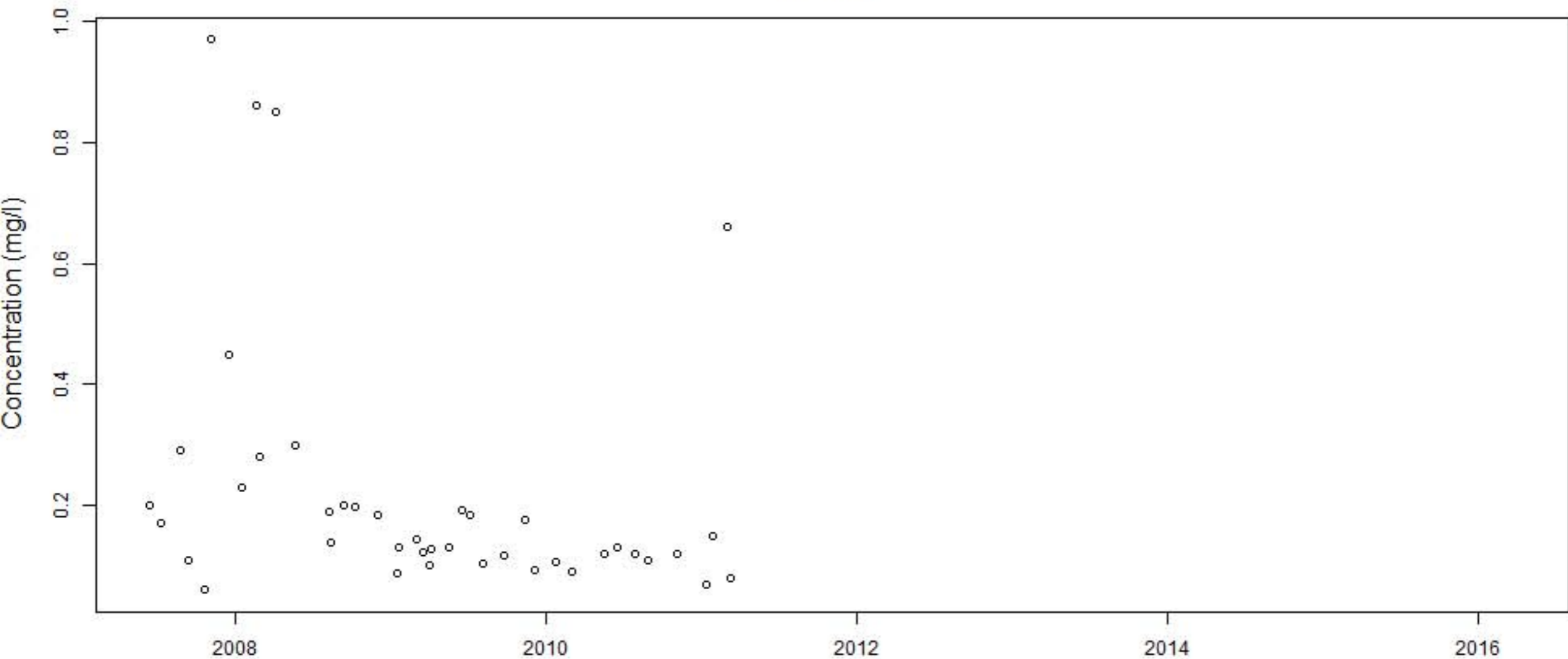
# BECY.12



# BECY.13

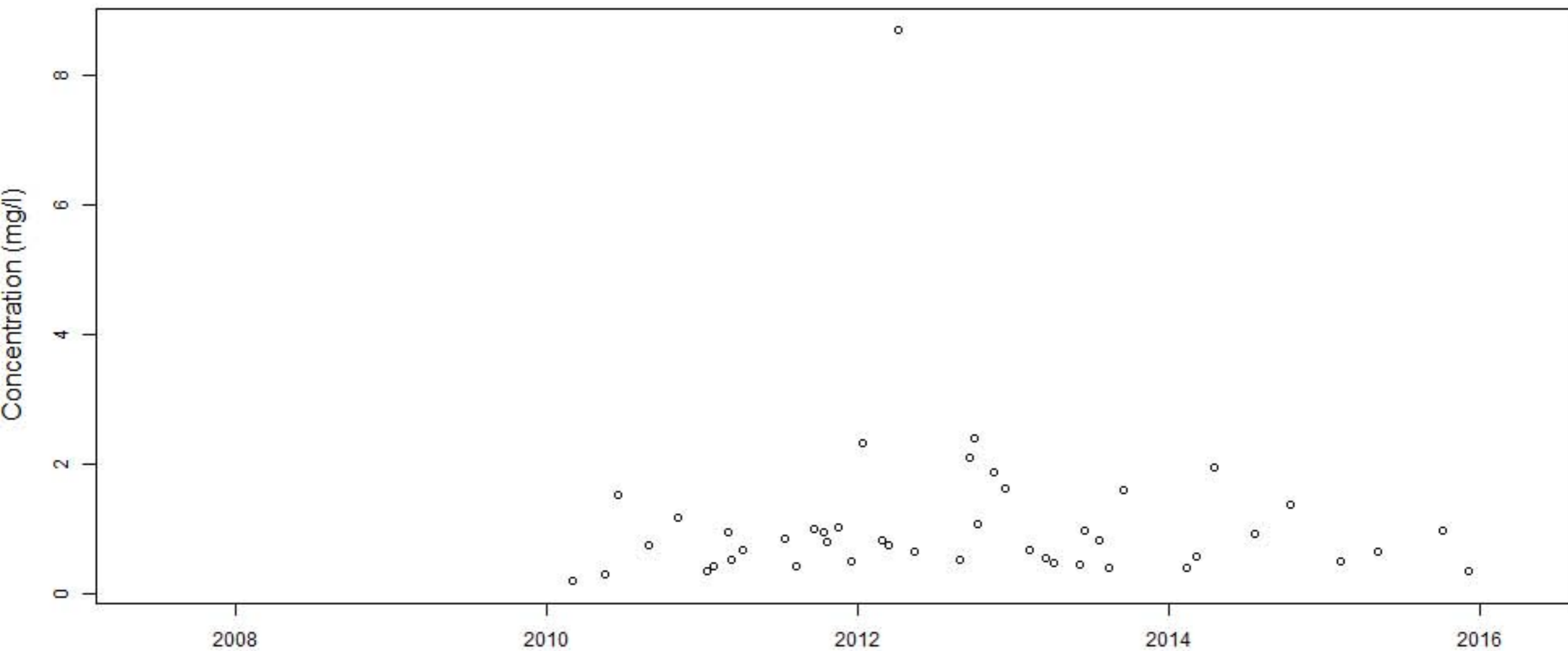


# BECY.14

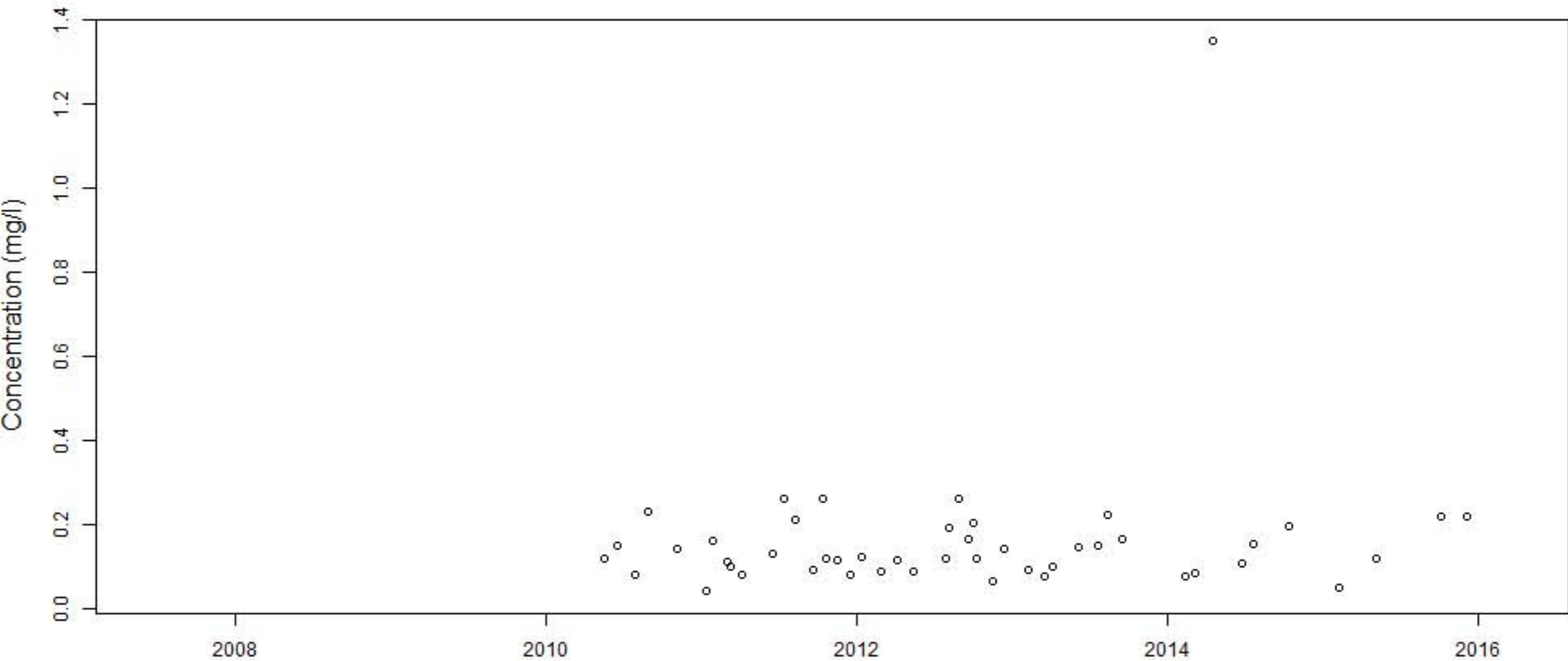




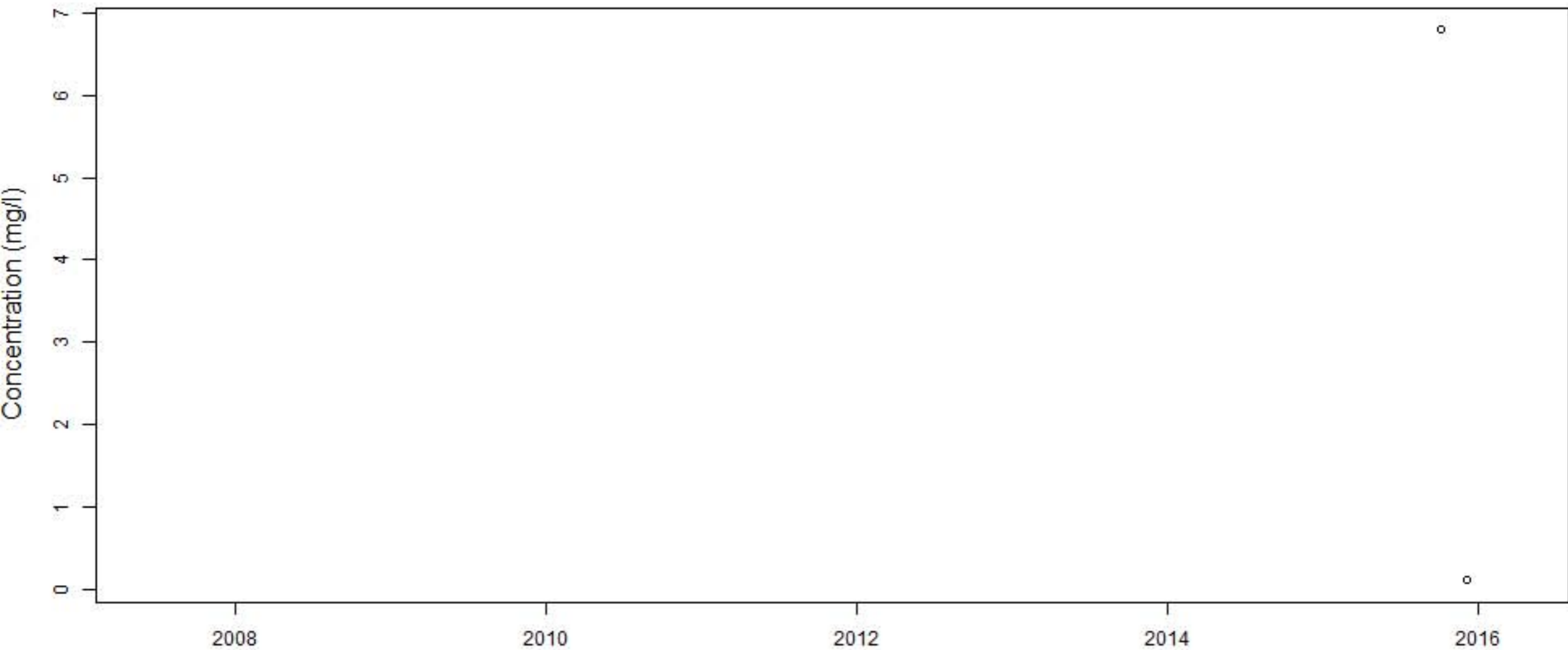
# BECY.15



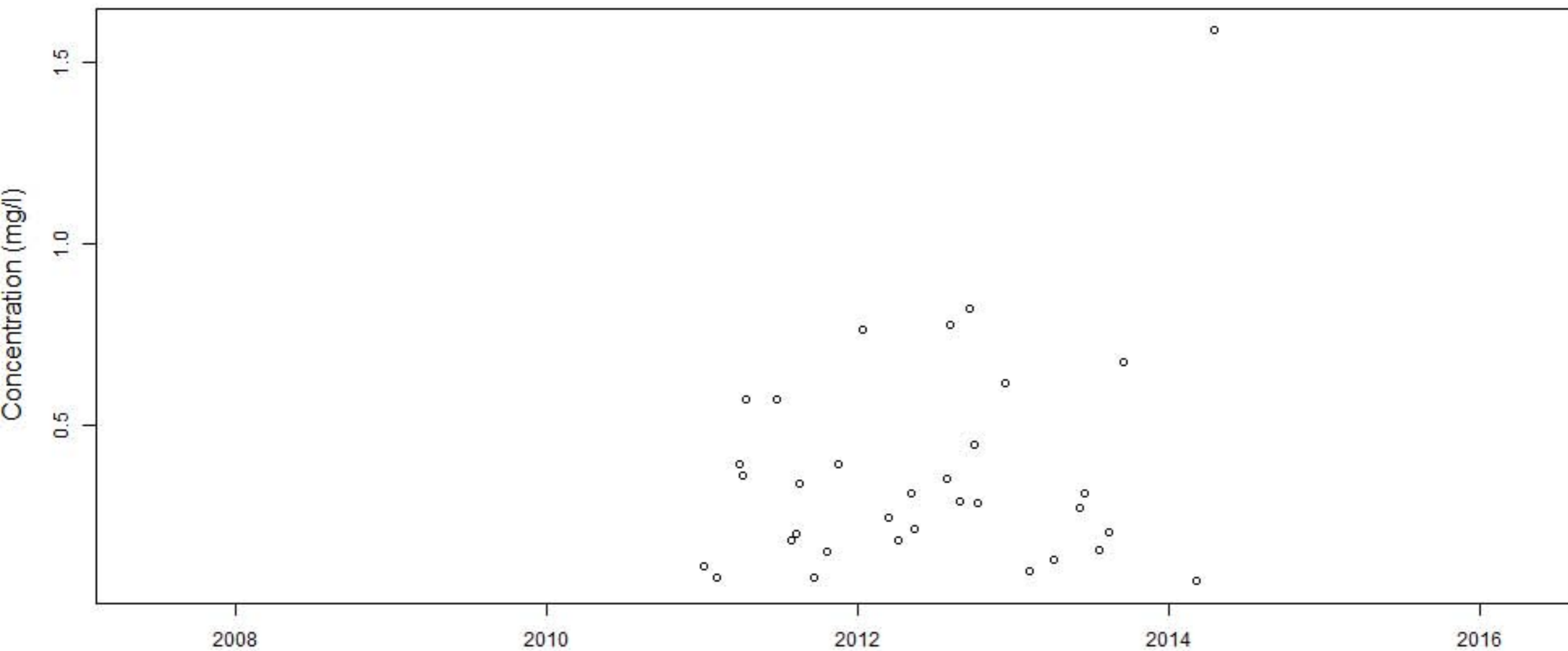
# BECY.16



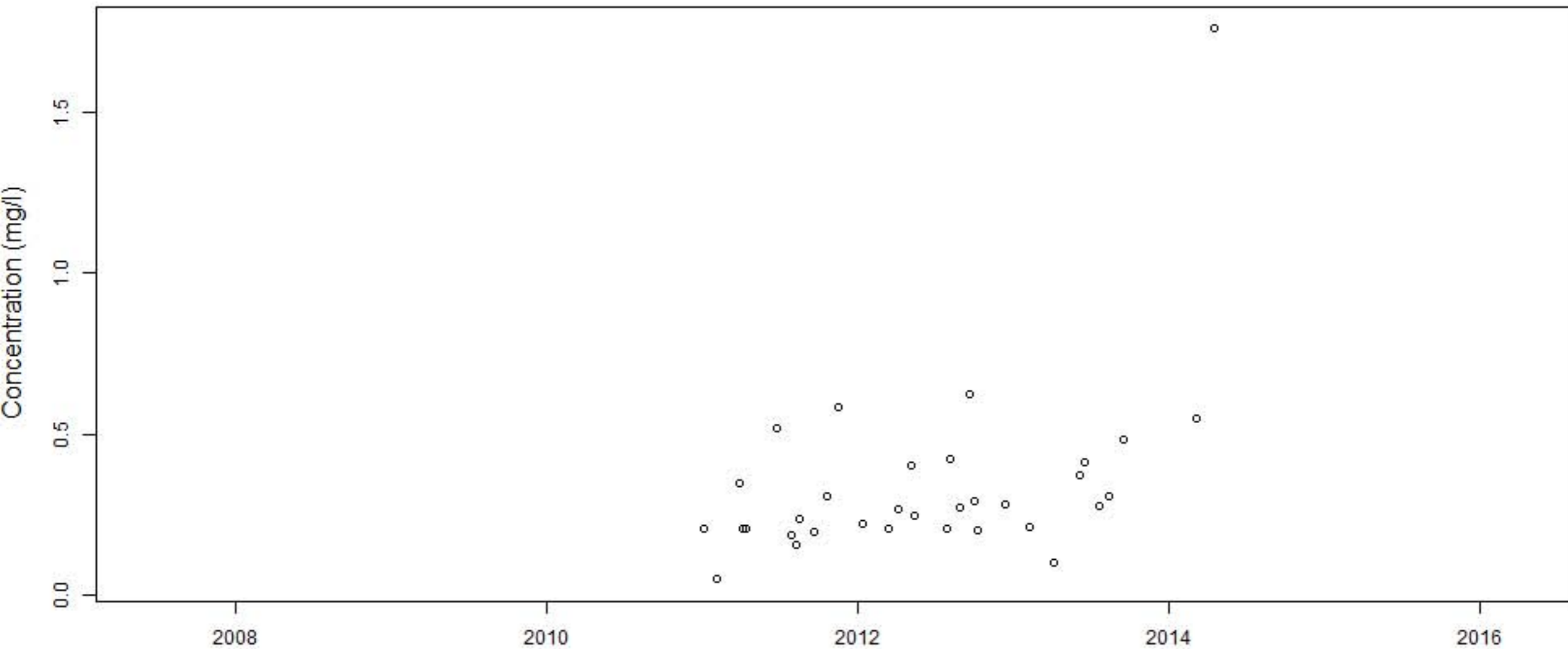
# BECY.17



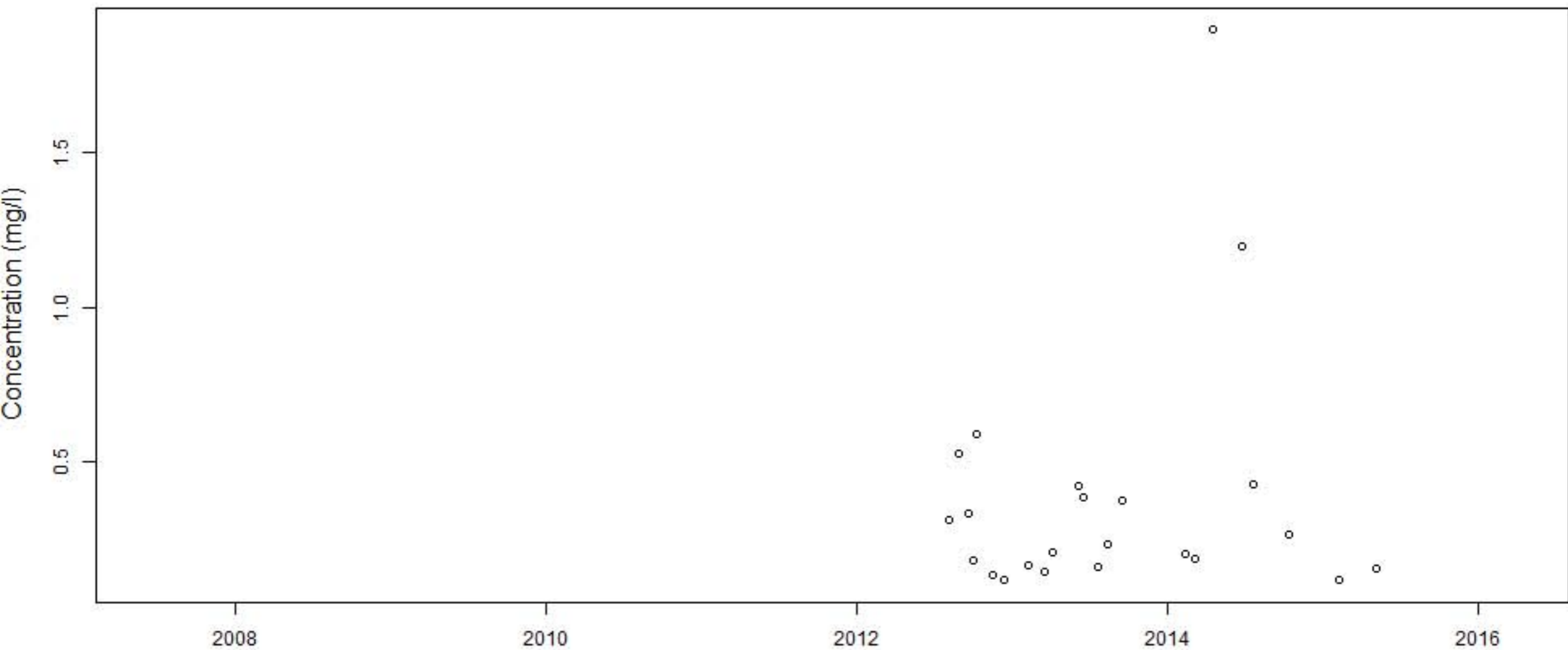
### BECY.17a.After



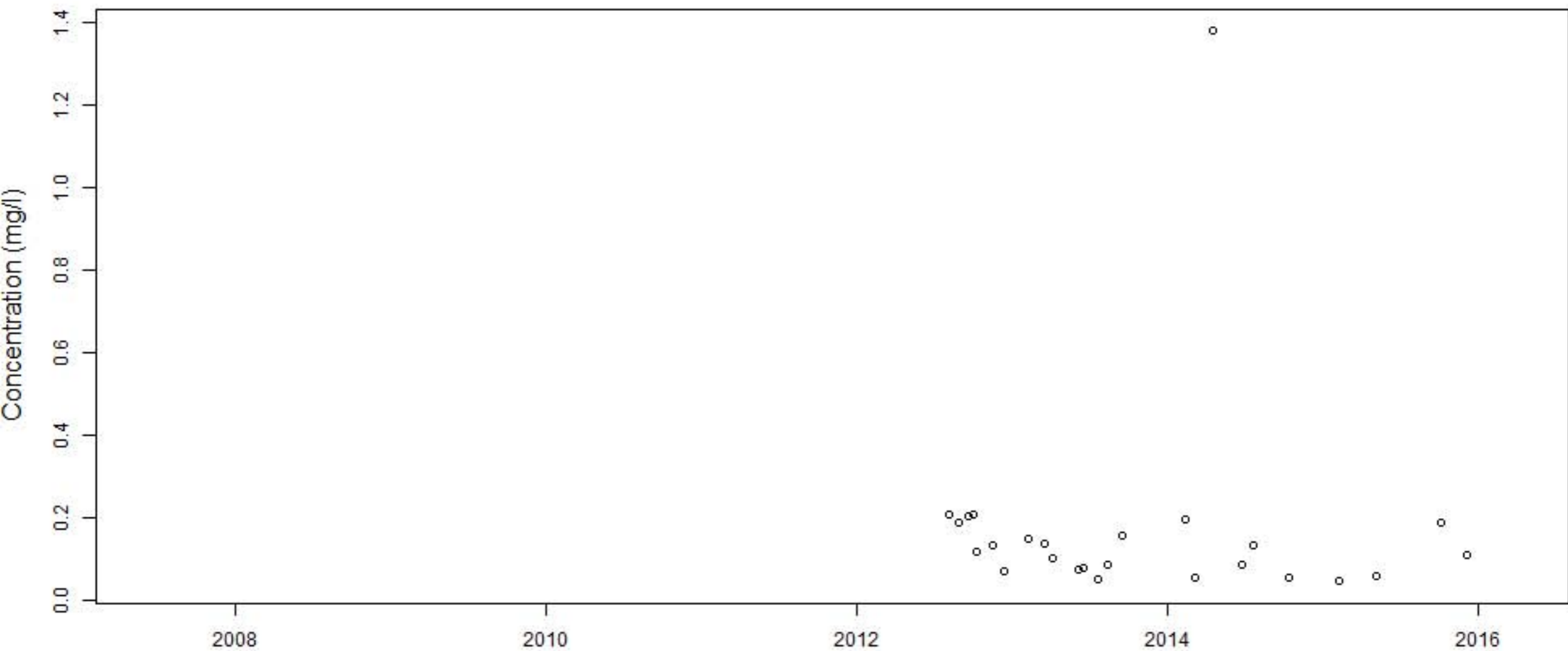
# BECY.17a.Grab



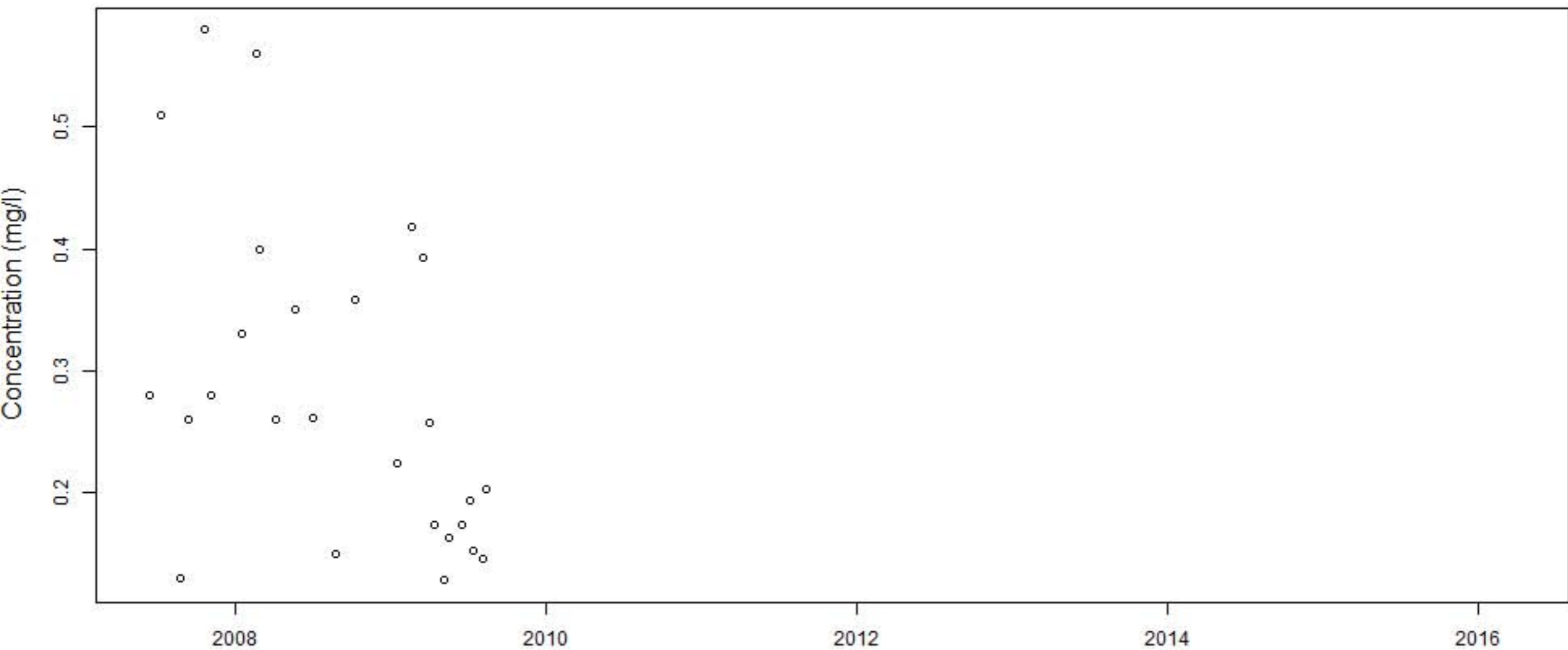
# BECY.18



# BECY.19

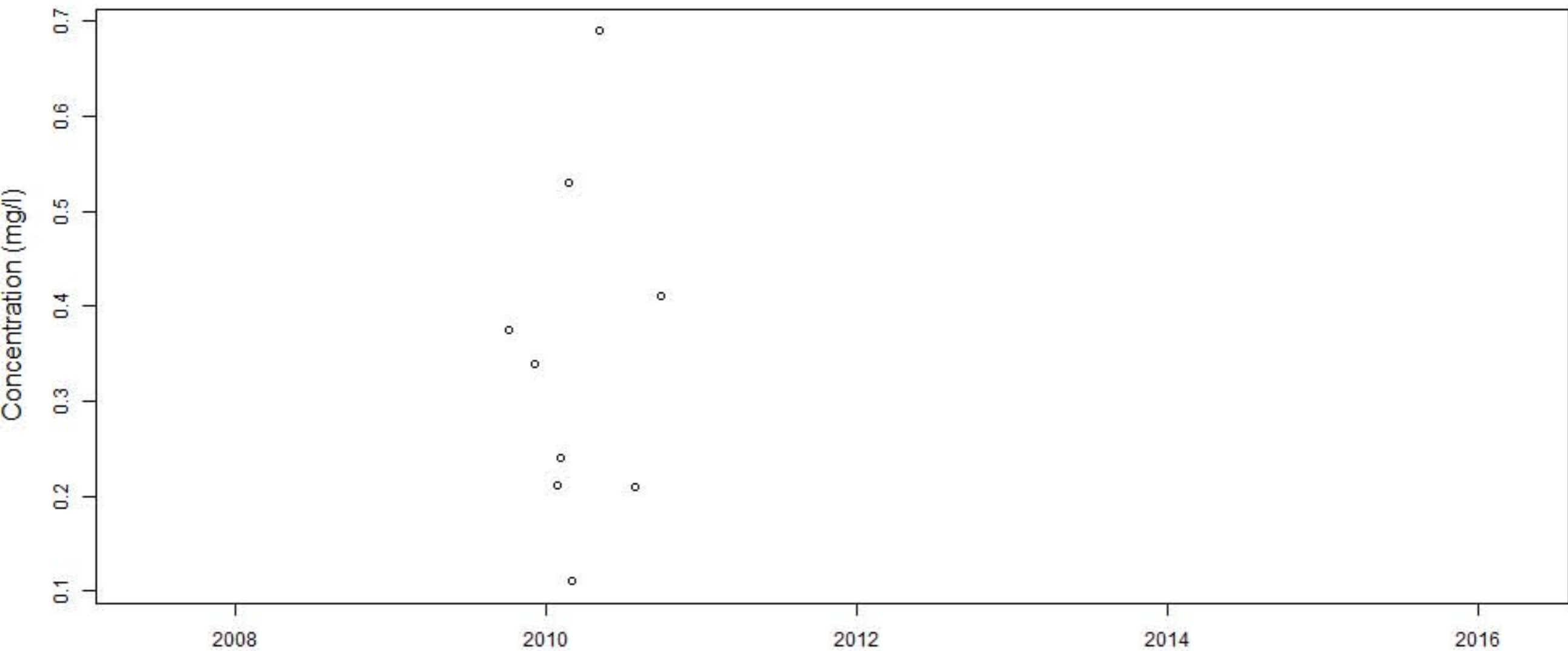


# BECY.1a.Comp





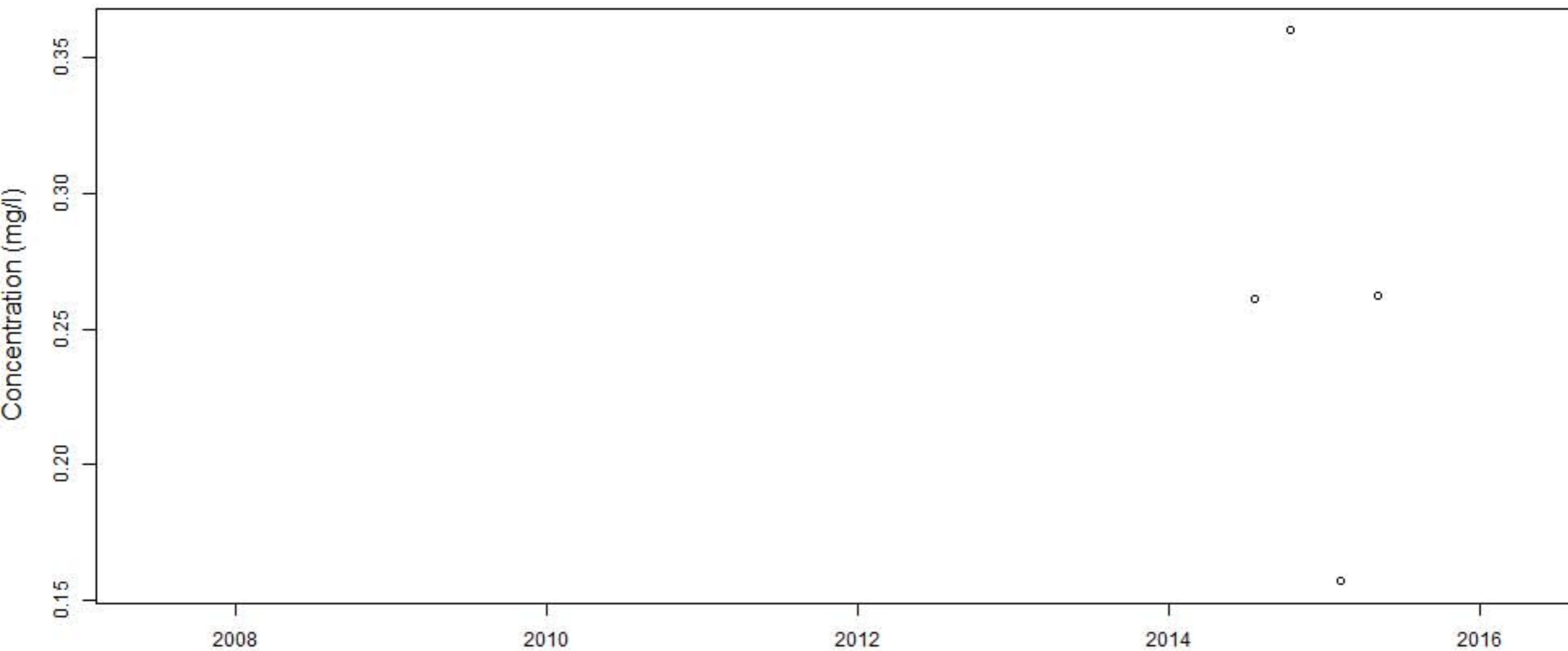
**BECY.1a.Grab.after**



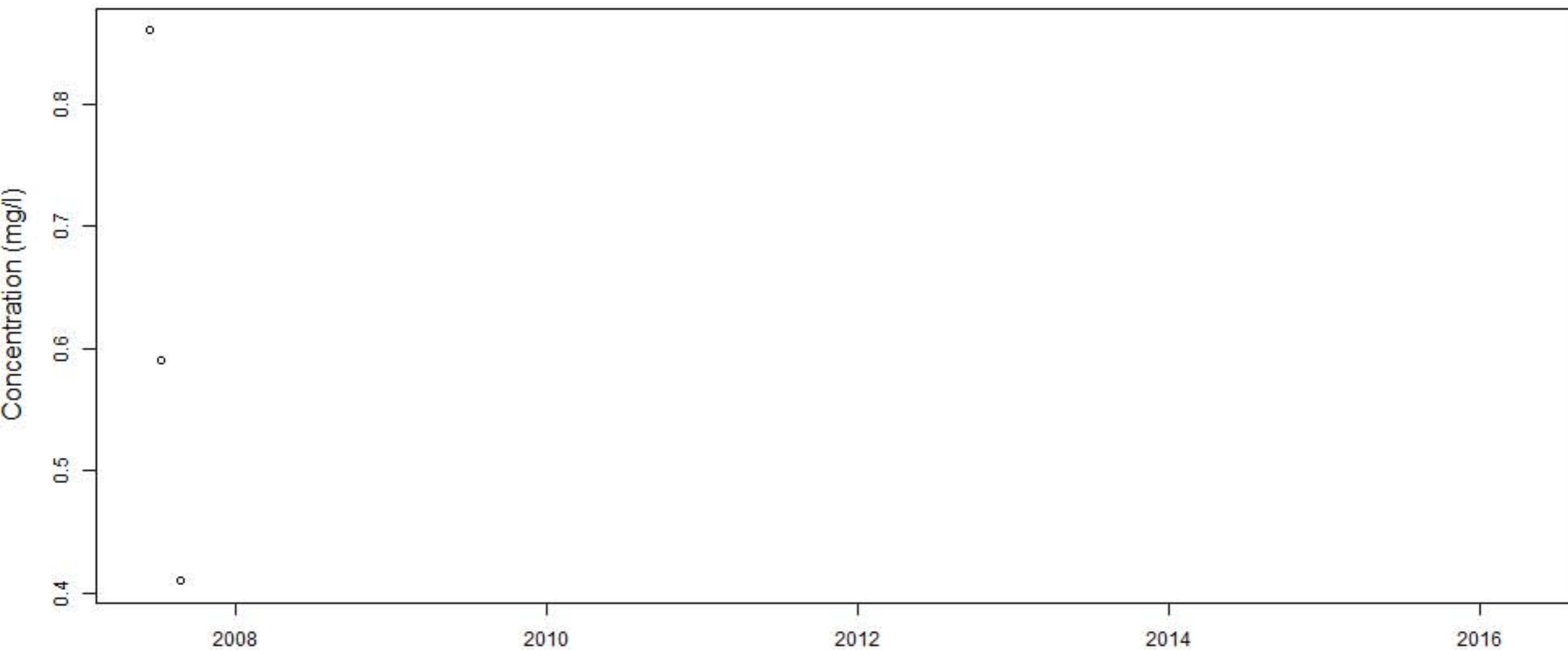




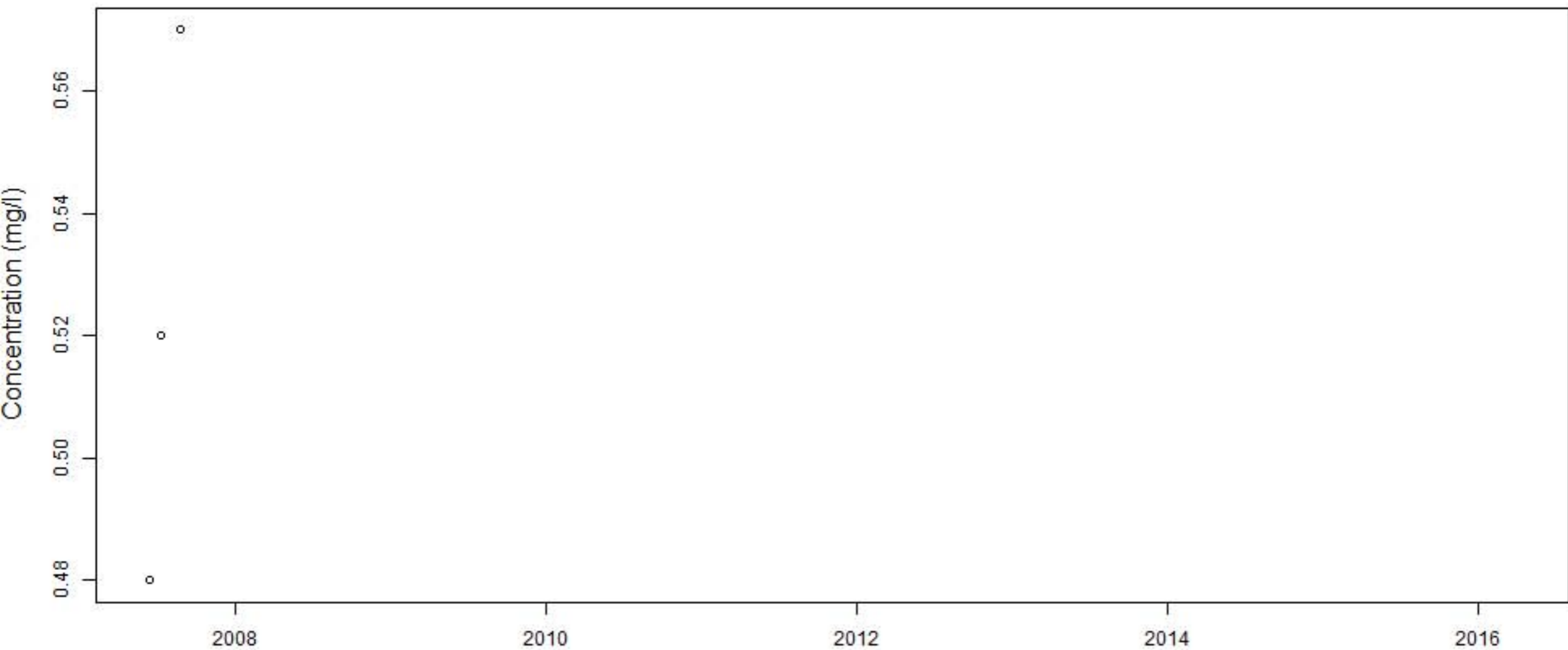
# BECY.20



# BECY.2a.Comp

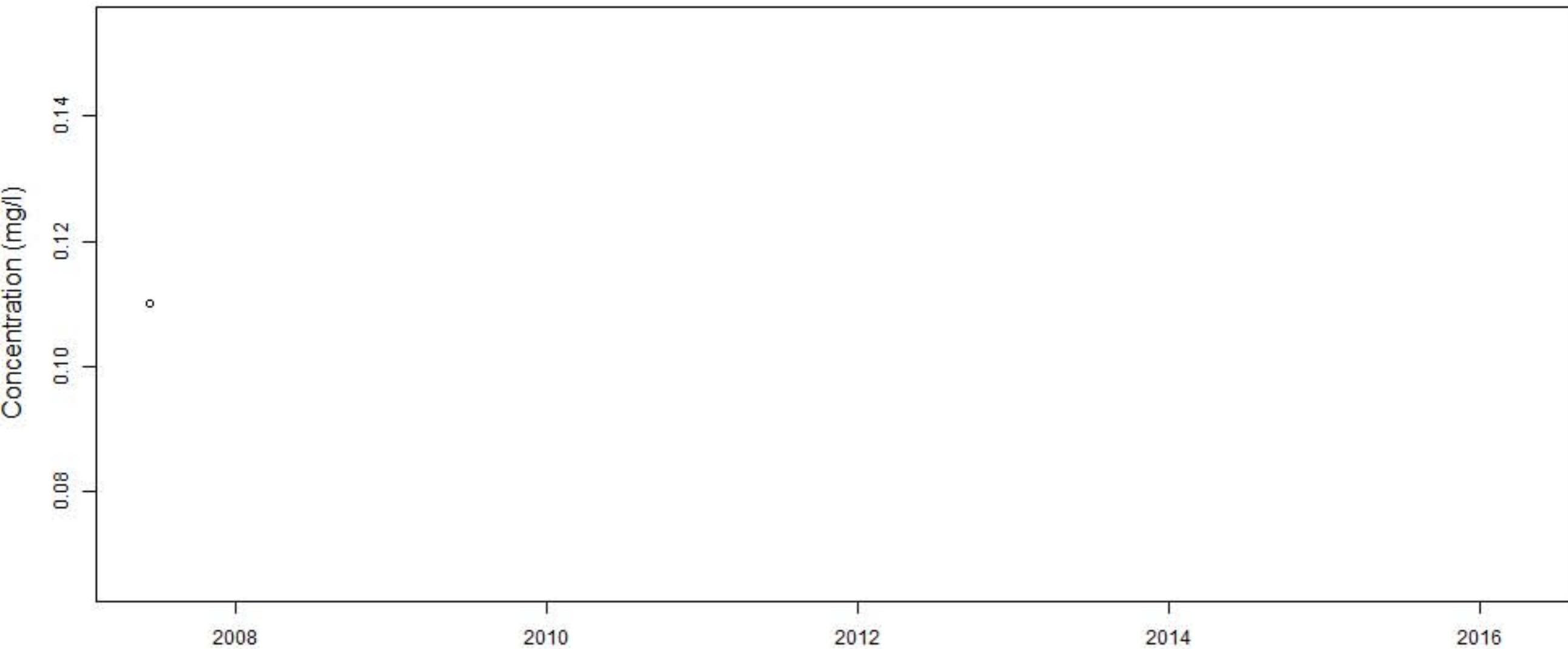


# BECY.2a.Grab



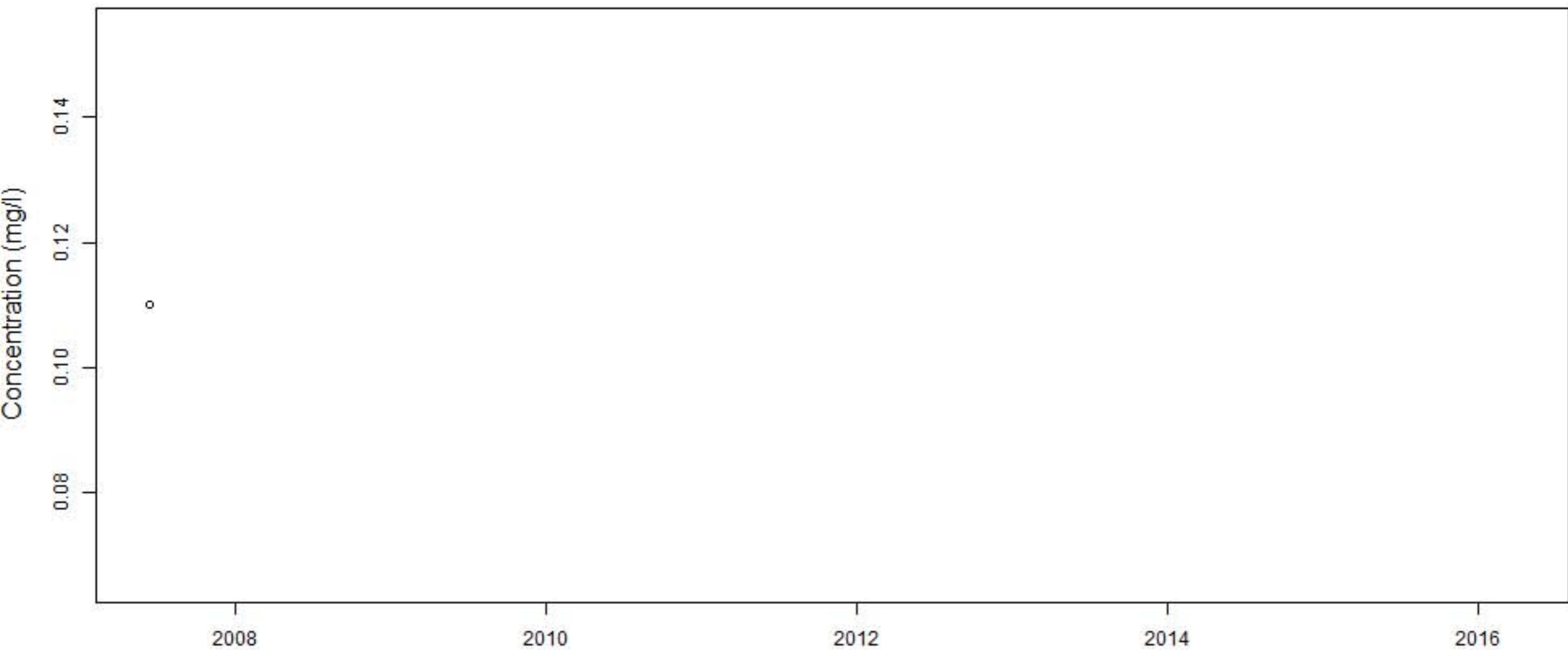


# BECY.3a.Comp

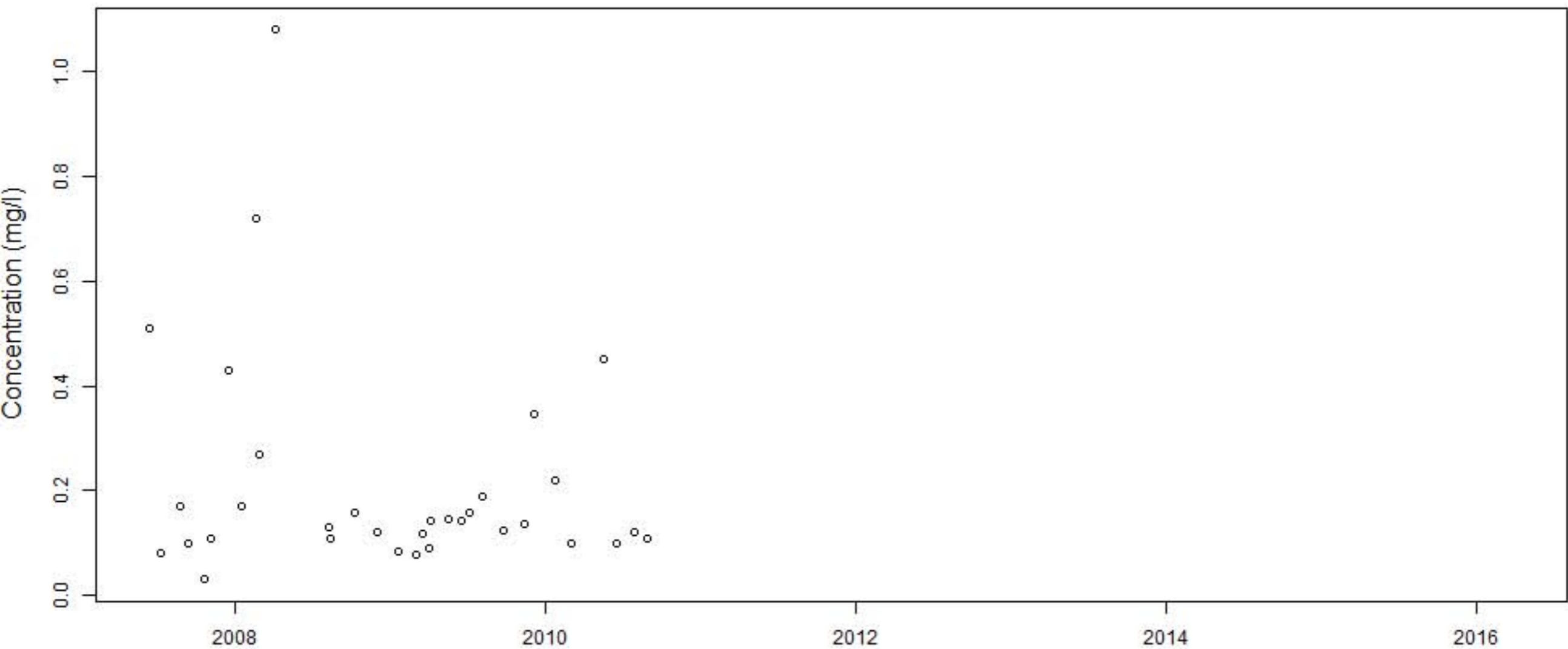




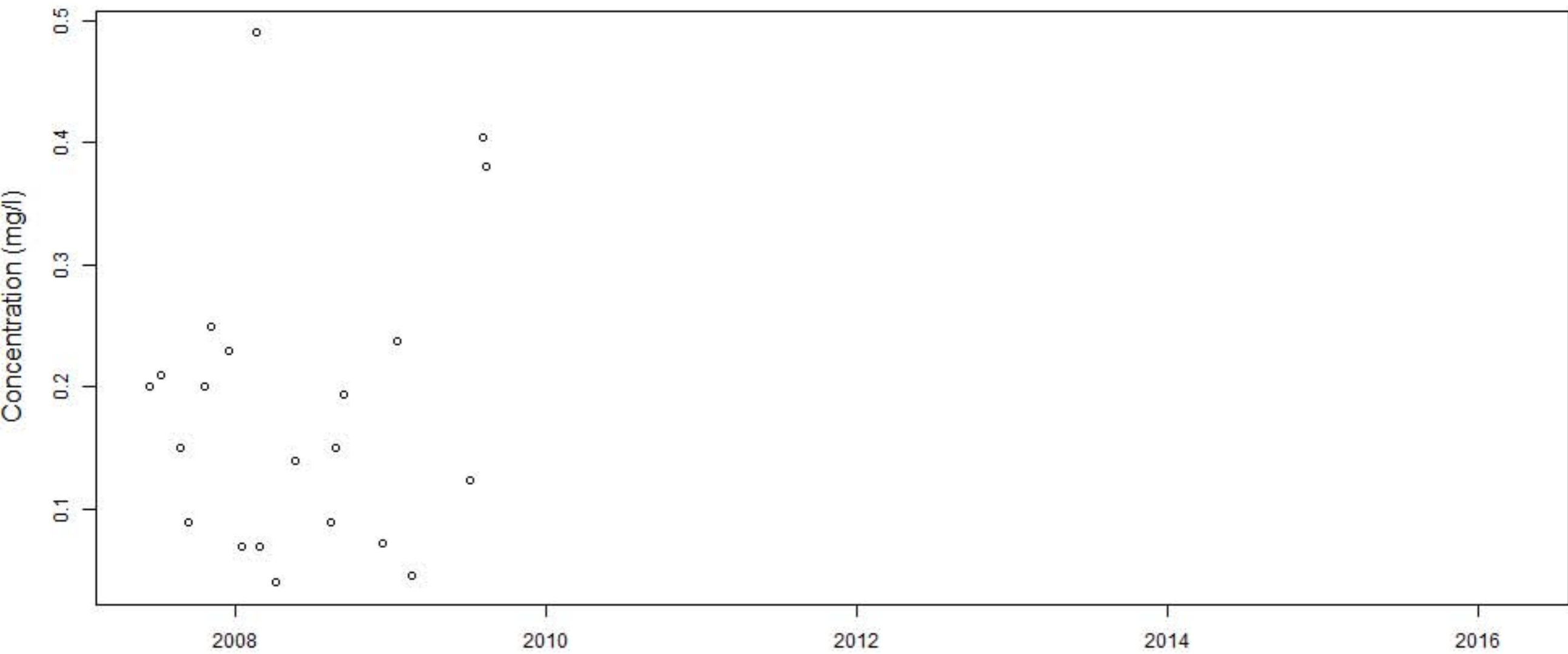
# BECY.3a.Grab



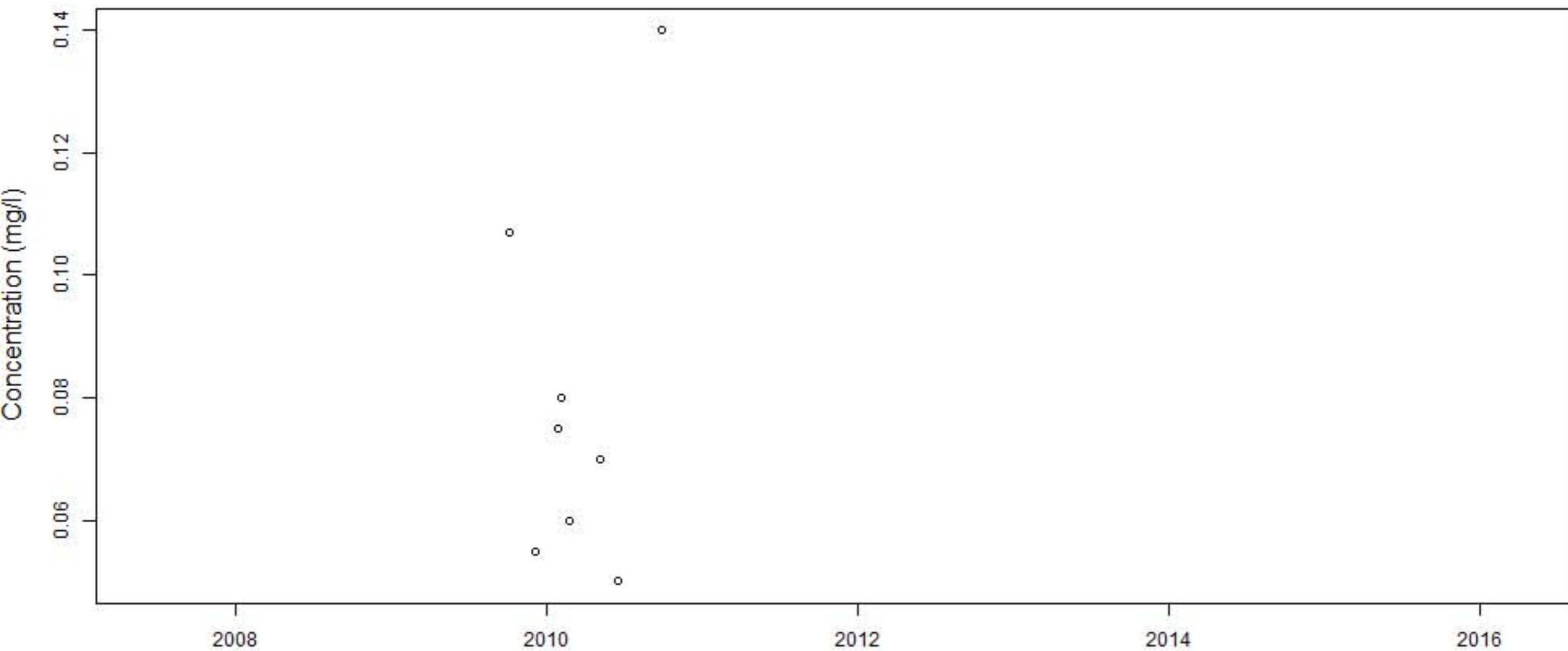
# BECY.4



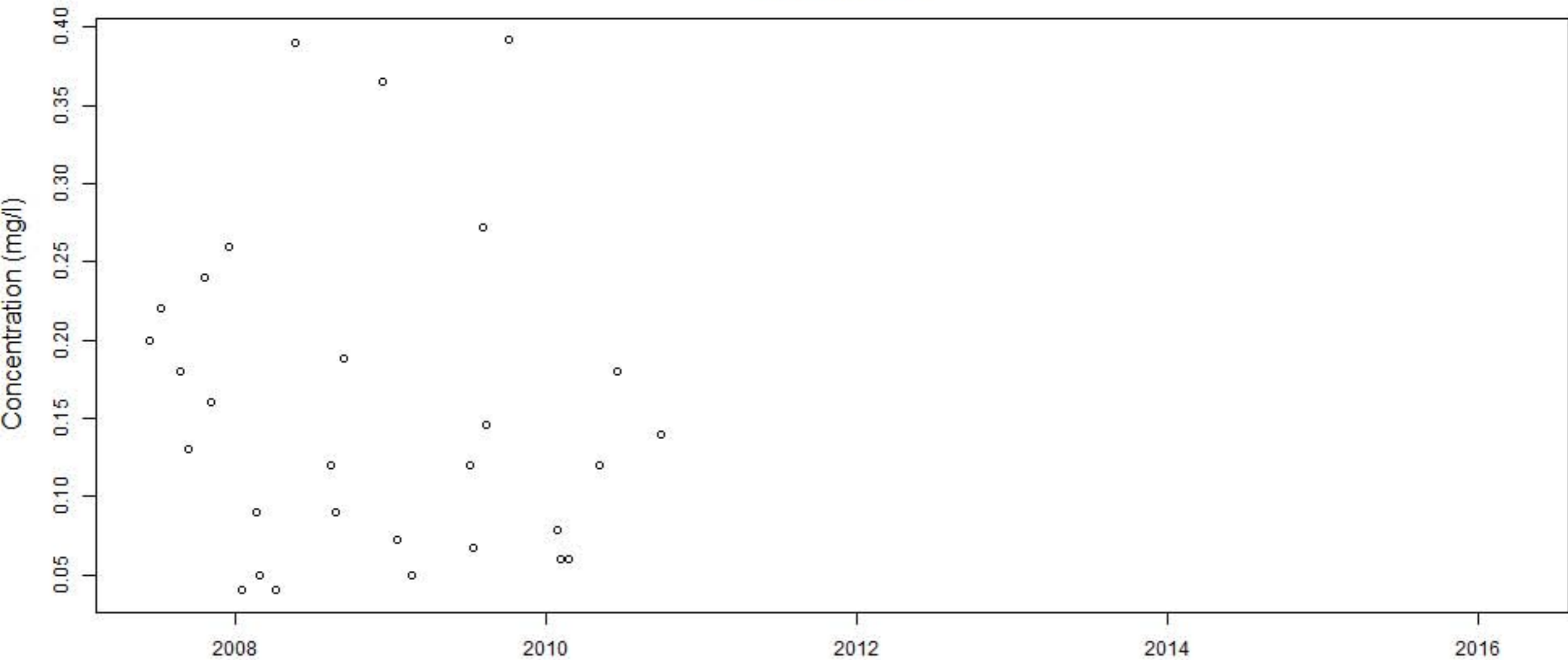
# BECY.4a.Comp



BECY.4a.Grab.after

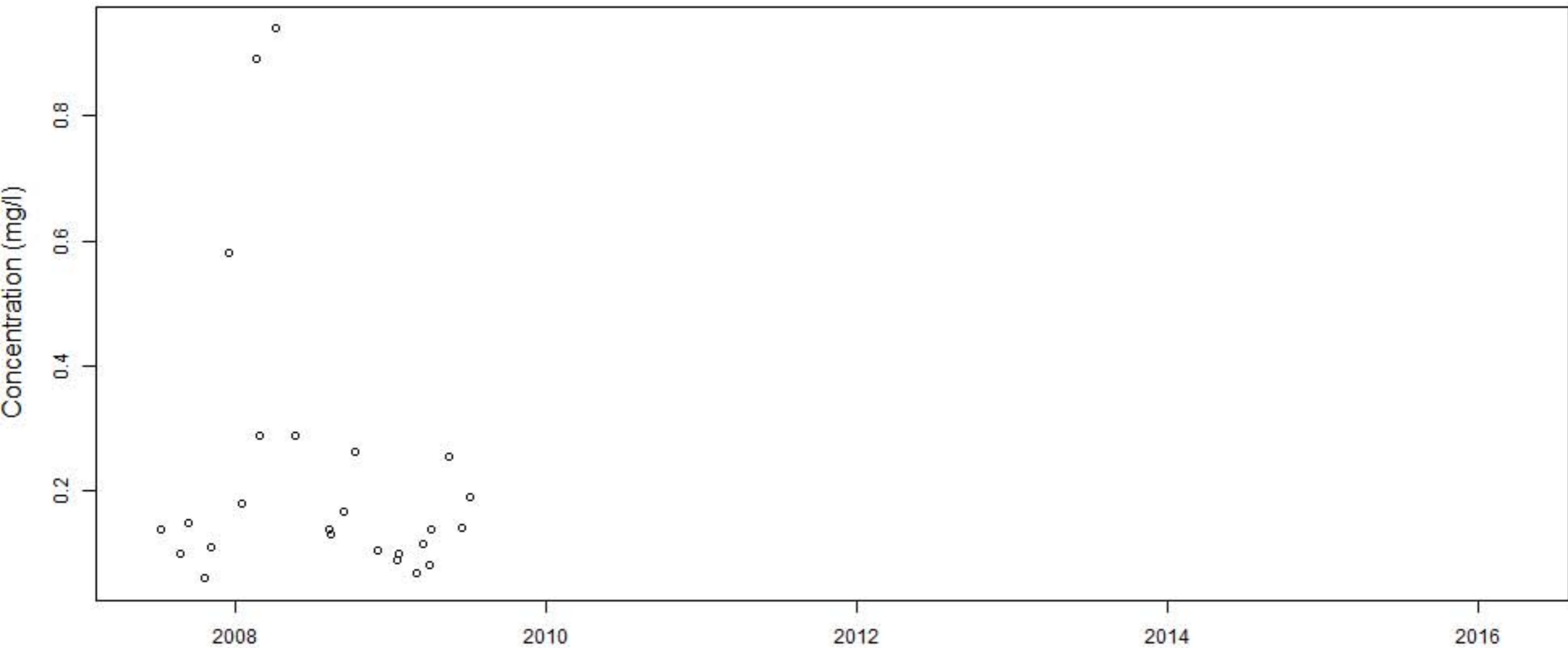


# BECY.4a.Grab

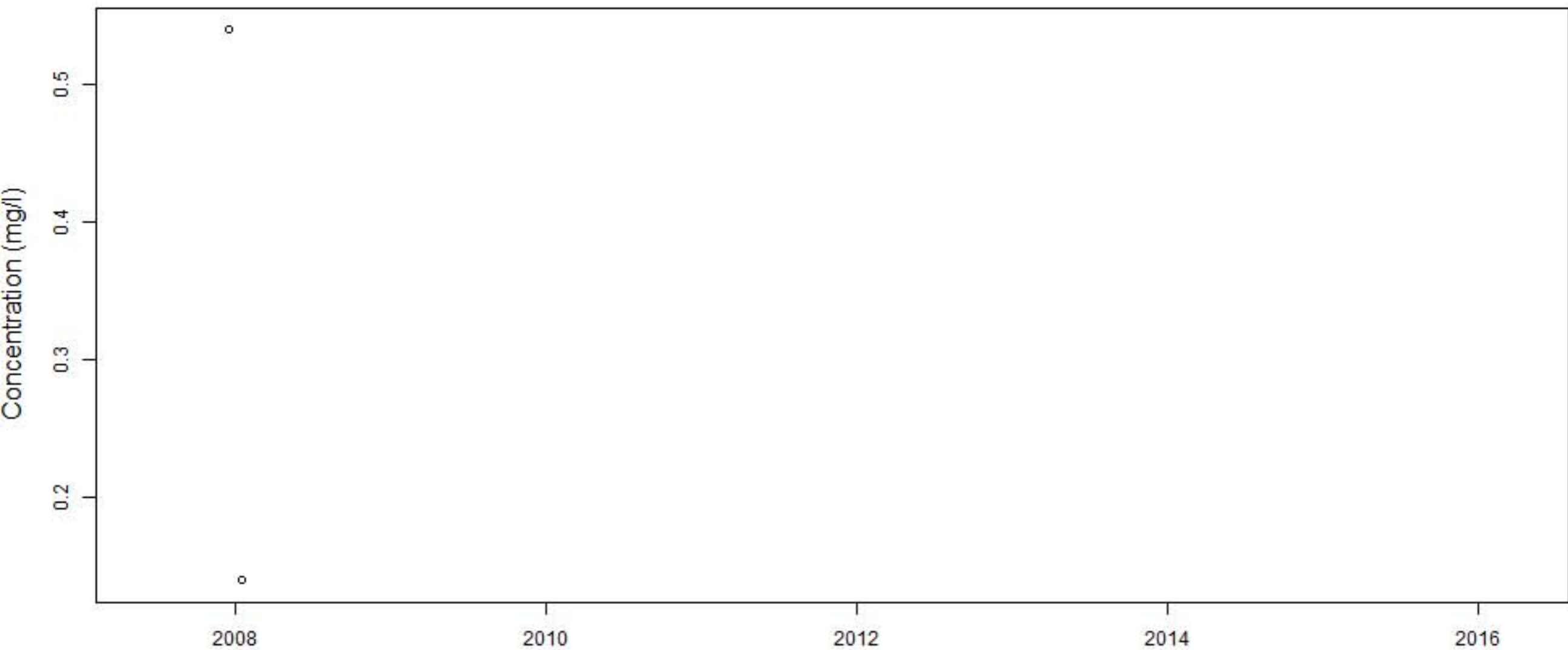




# BECY.5

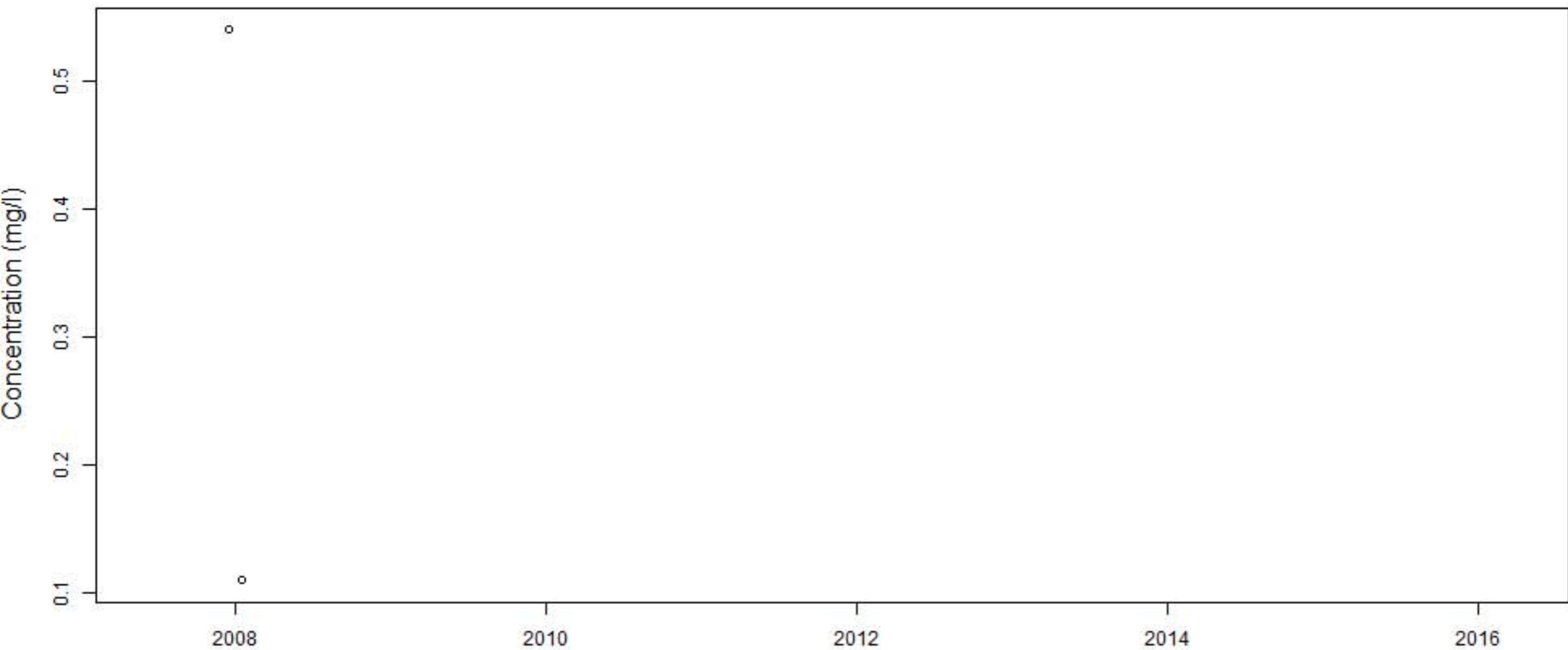


# BECY.5A.Comp

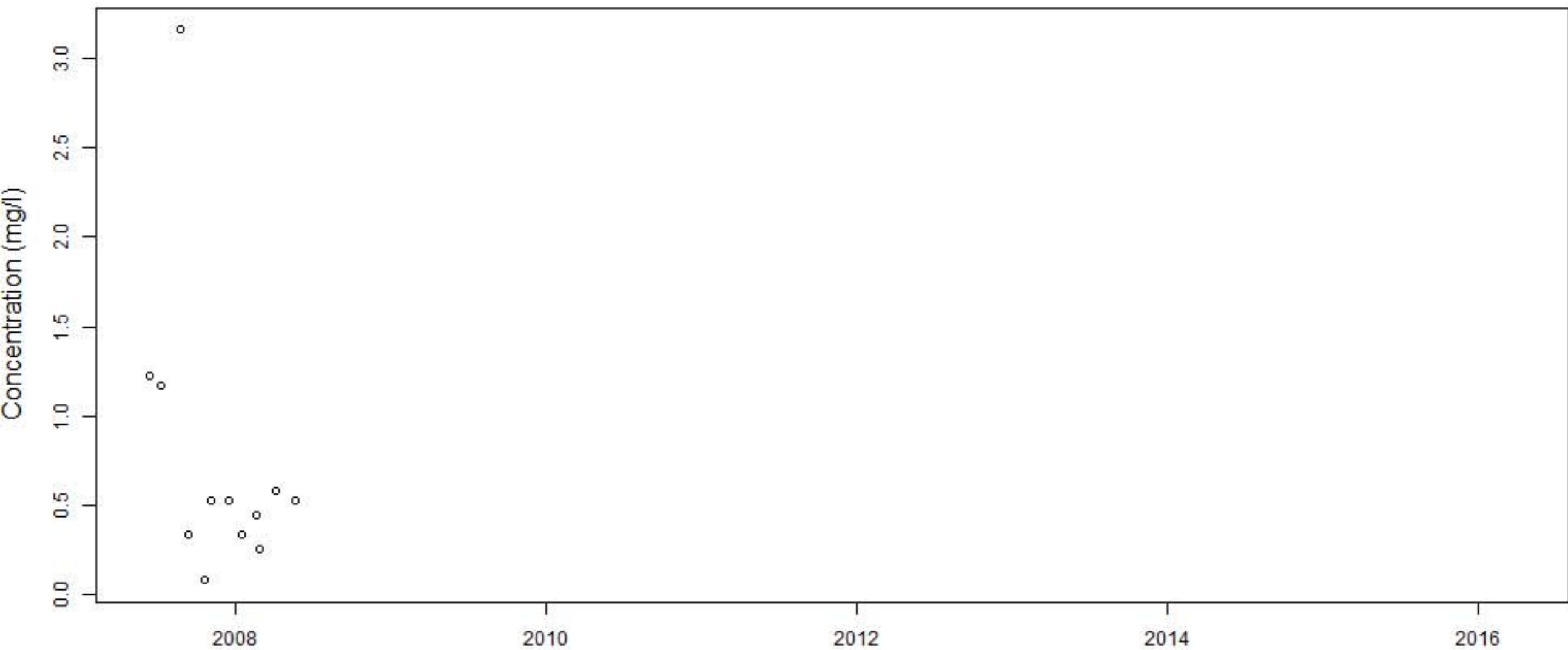




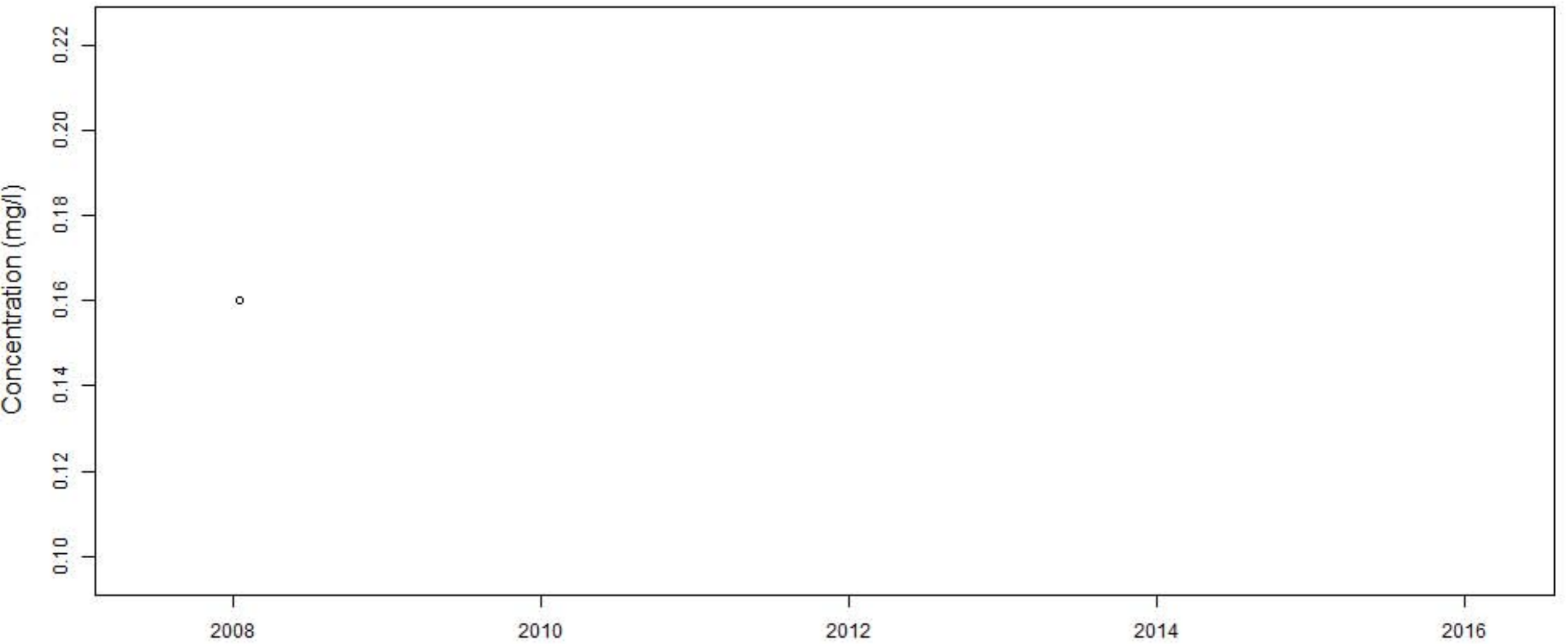
# BECY.5A.Grab



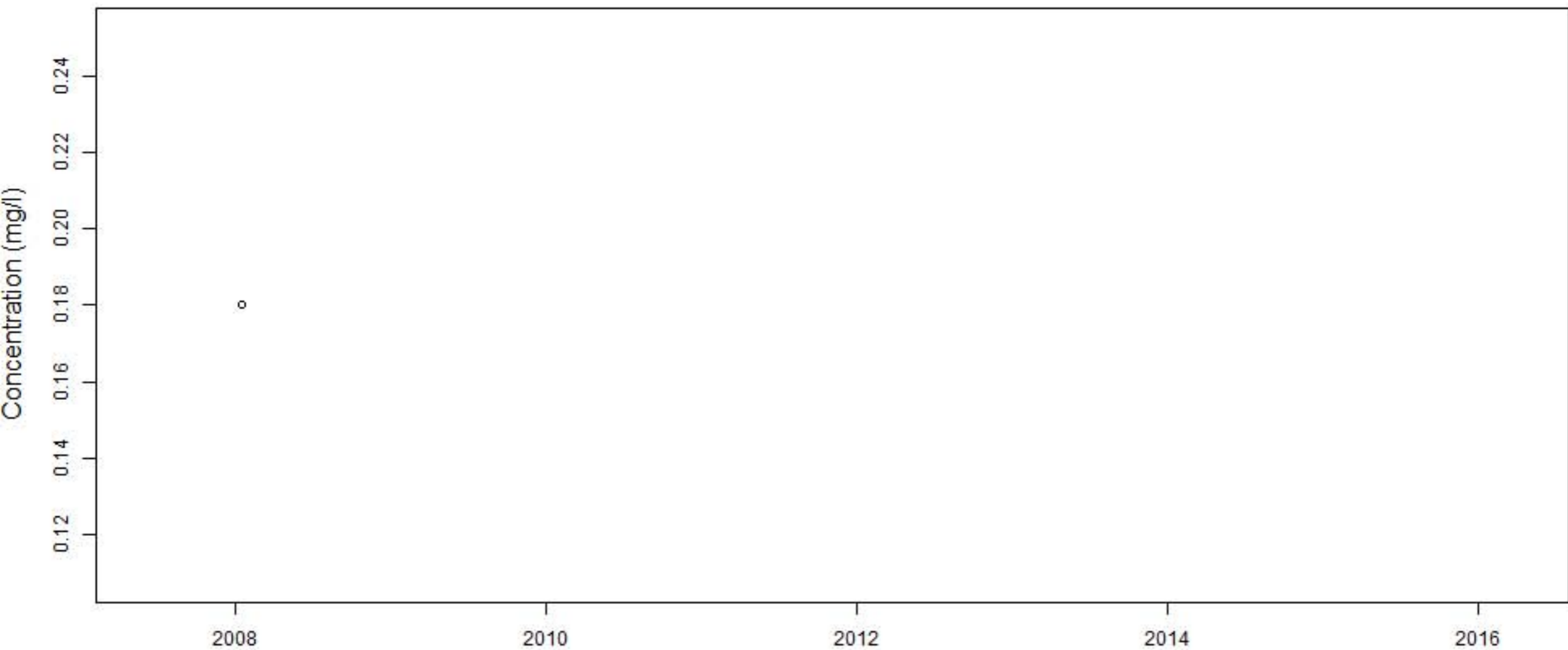
# BECY.6



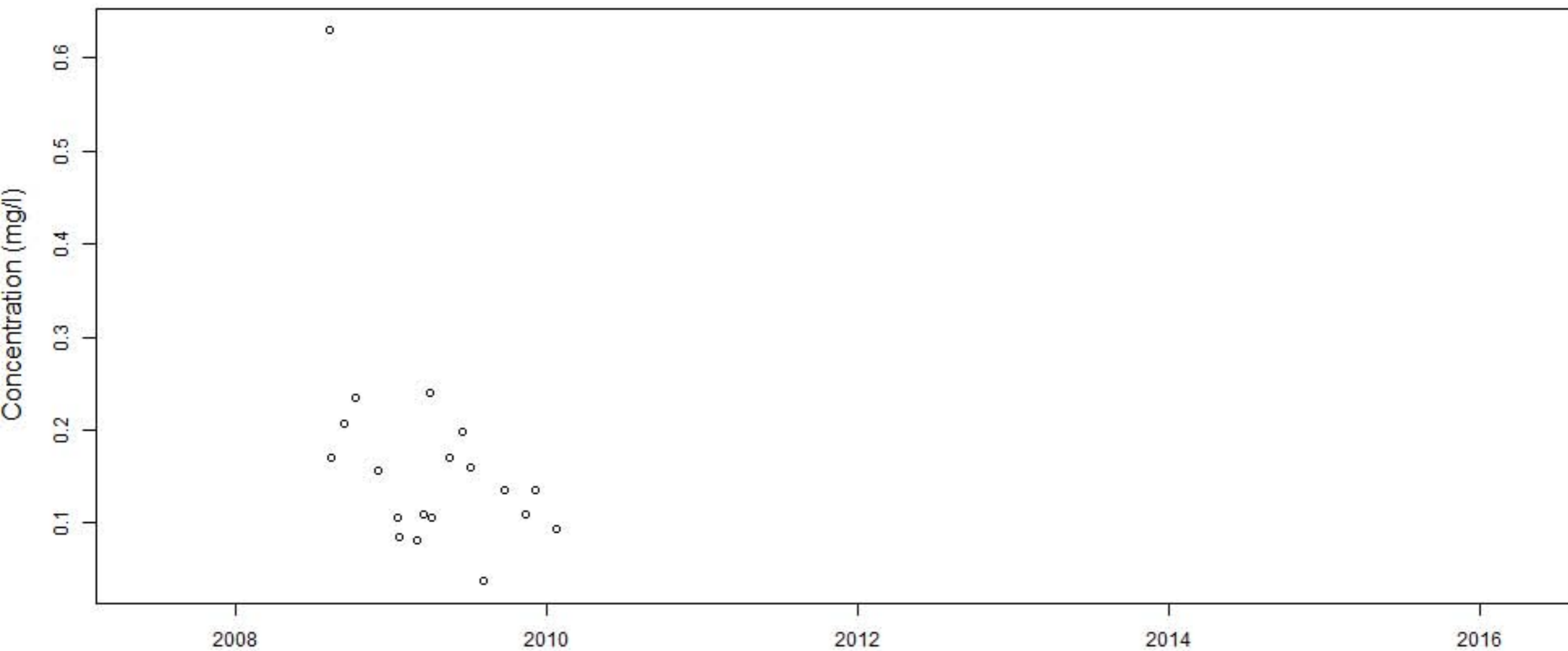
# BECY.6A.Comp



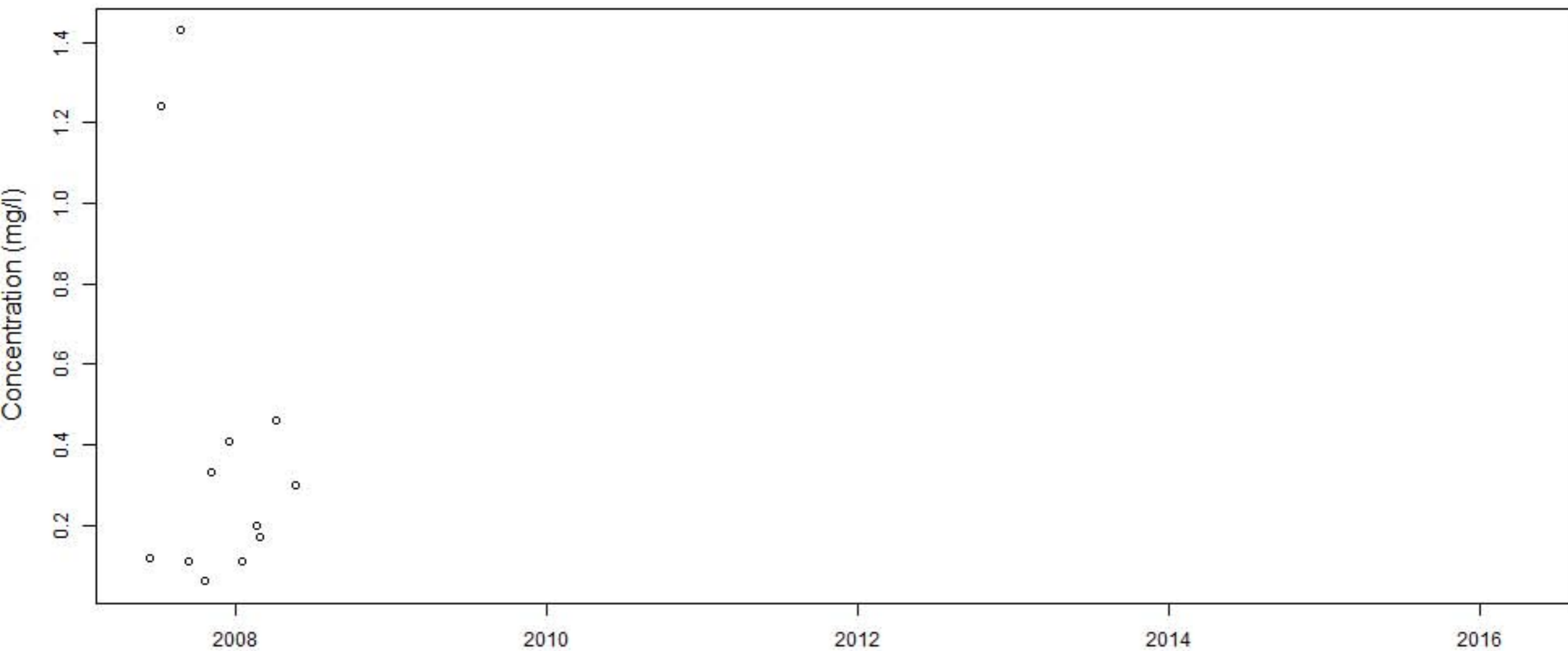
# BECY.6A.Grab



# BECY.6r

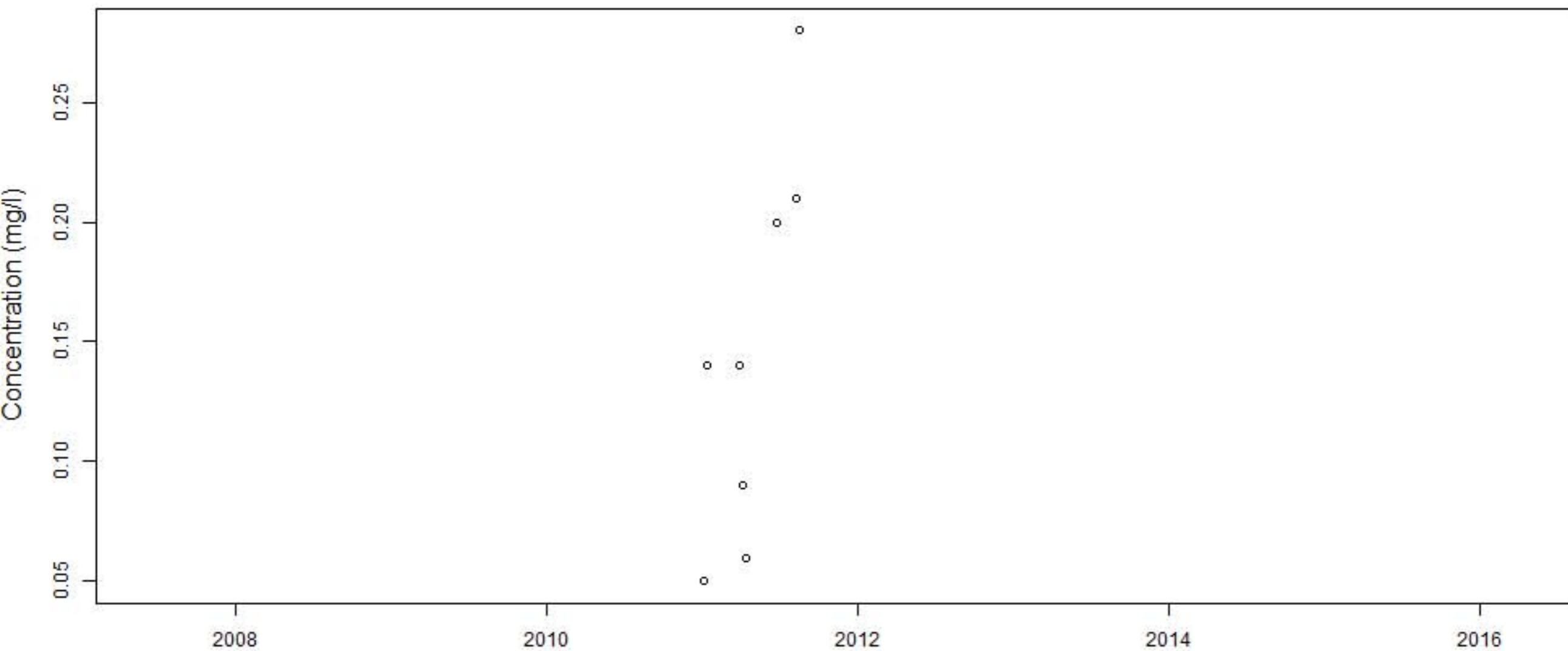


# BECY.7



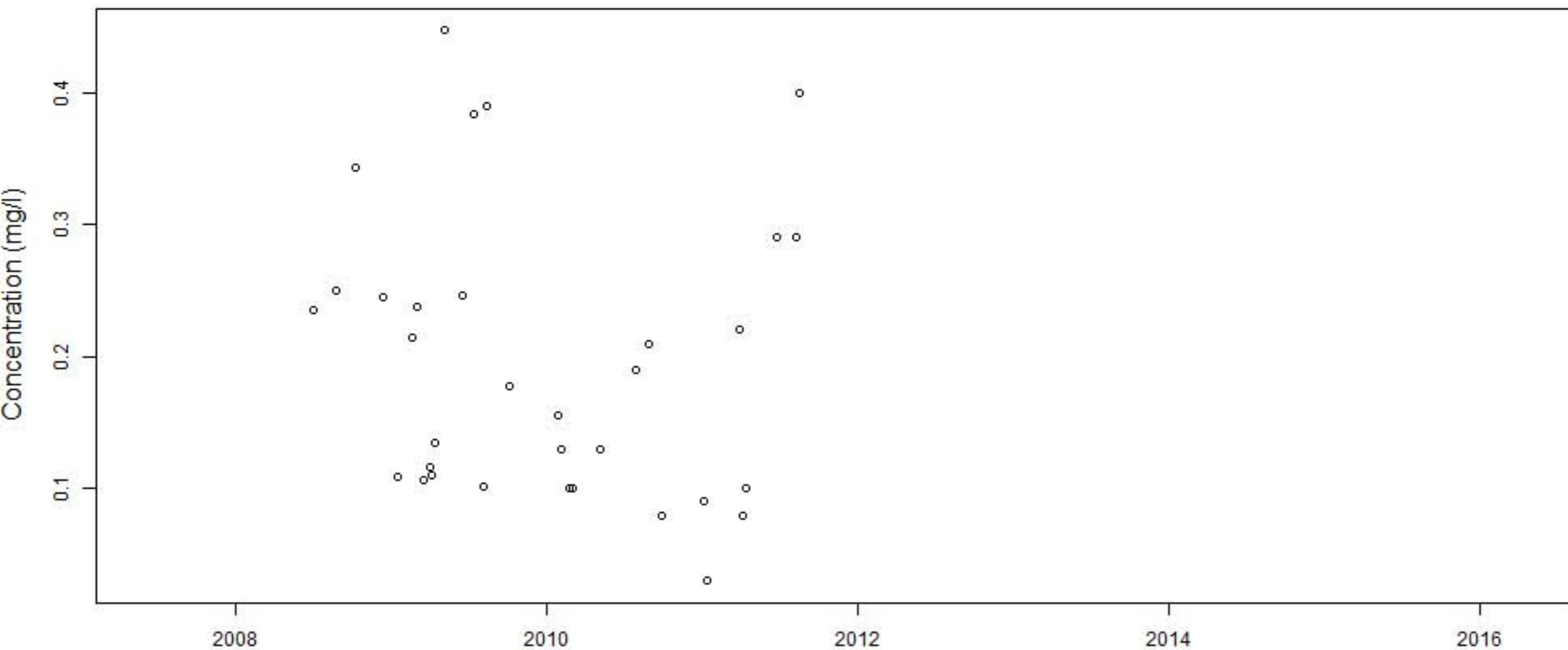


### BECY.7ra.Grab.after

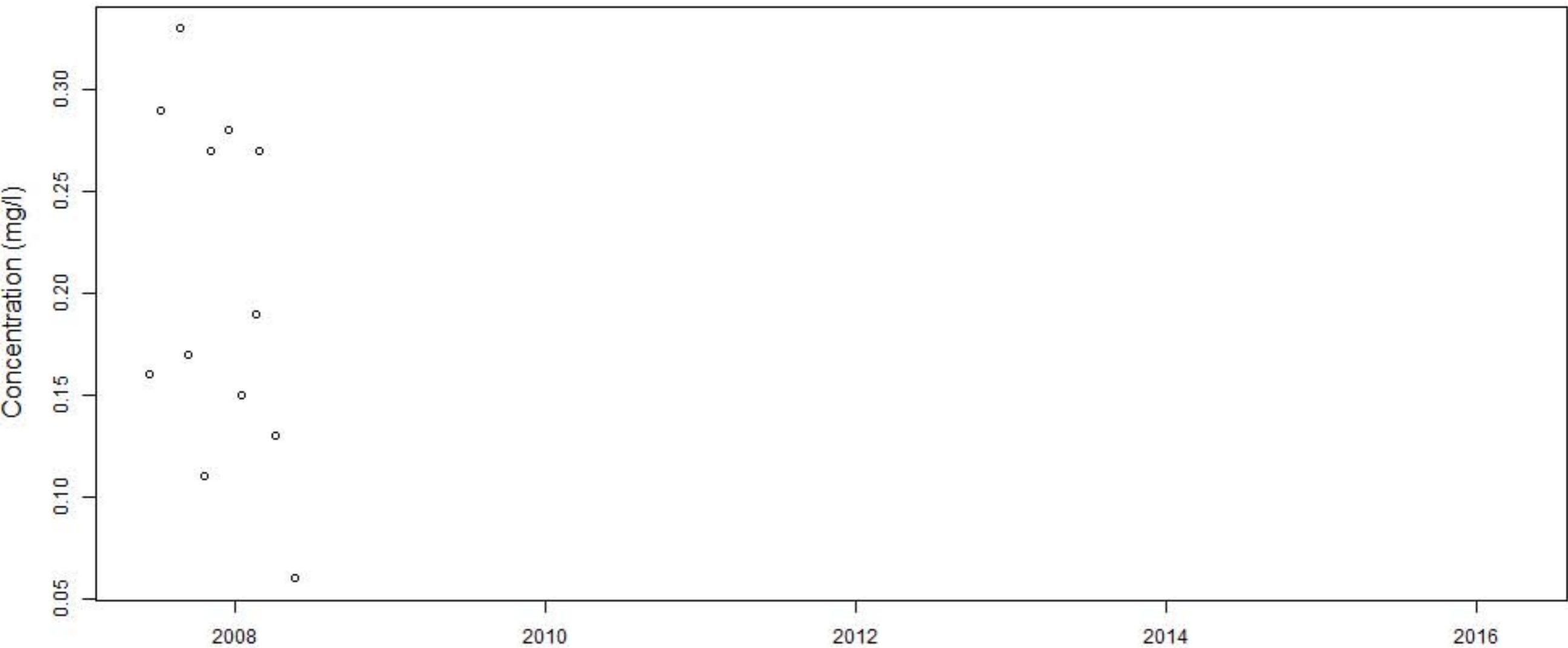




# BECY.7ra.Grab

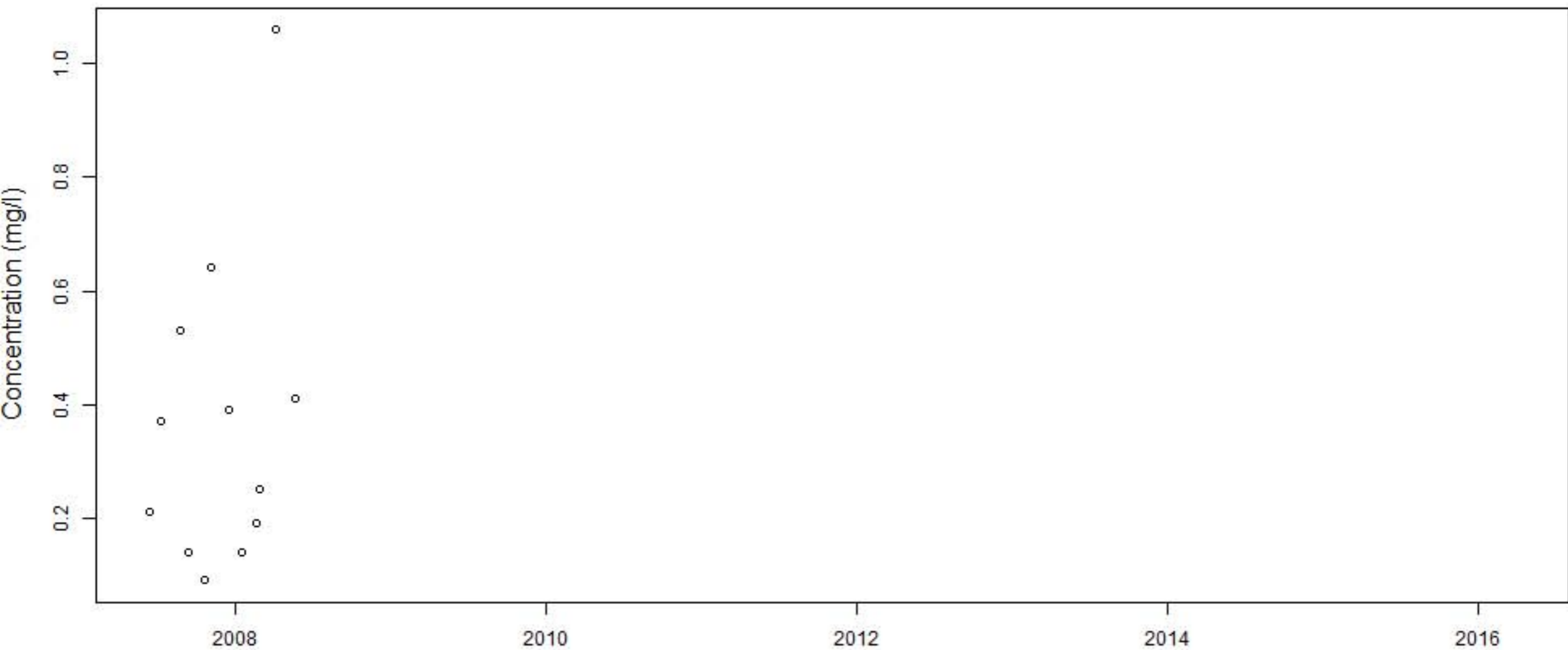


# BECY.8

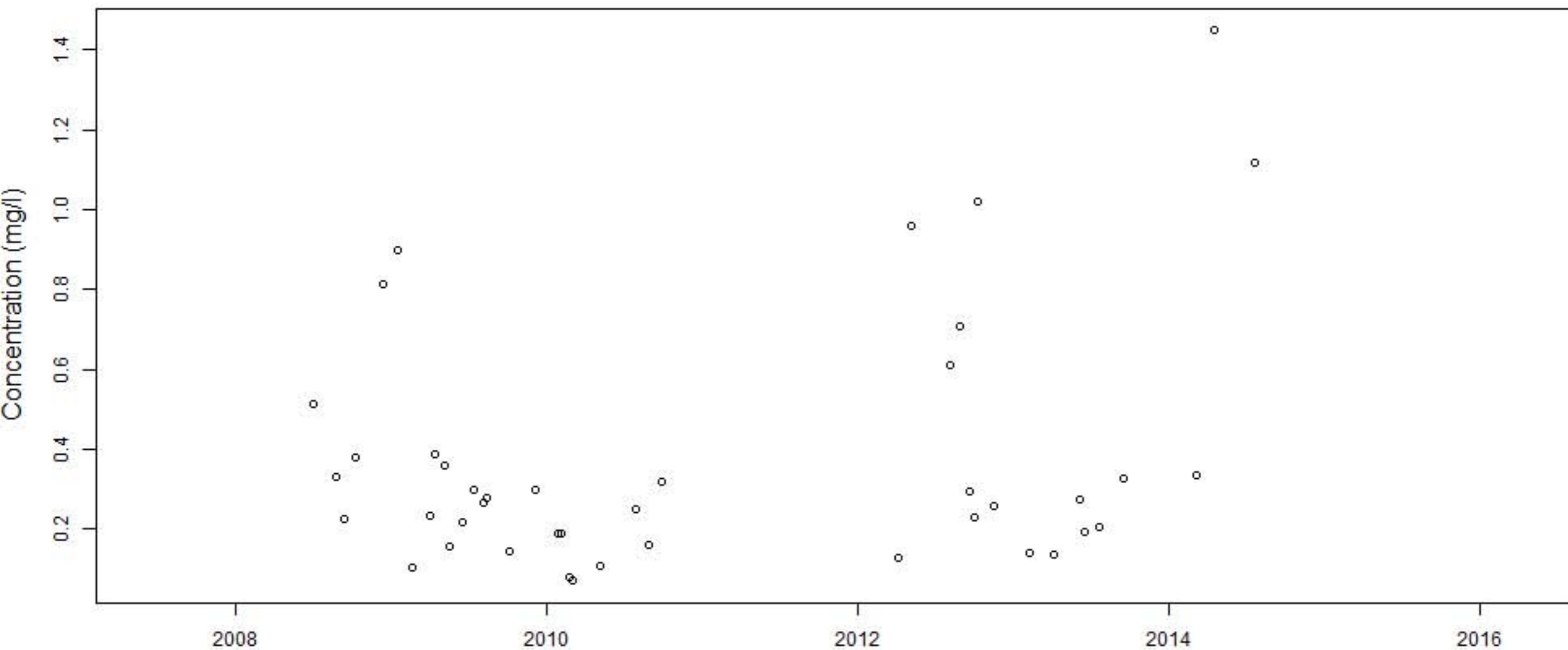




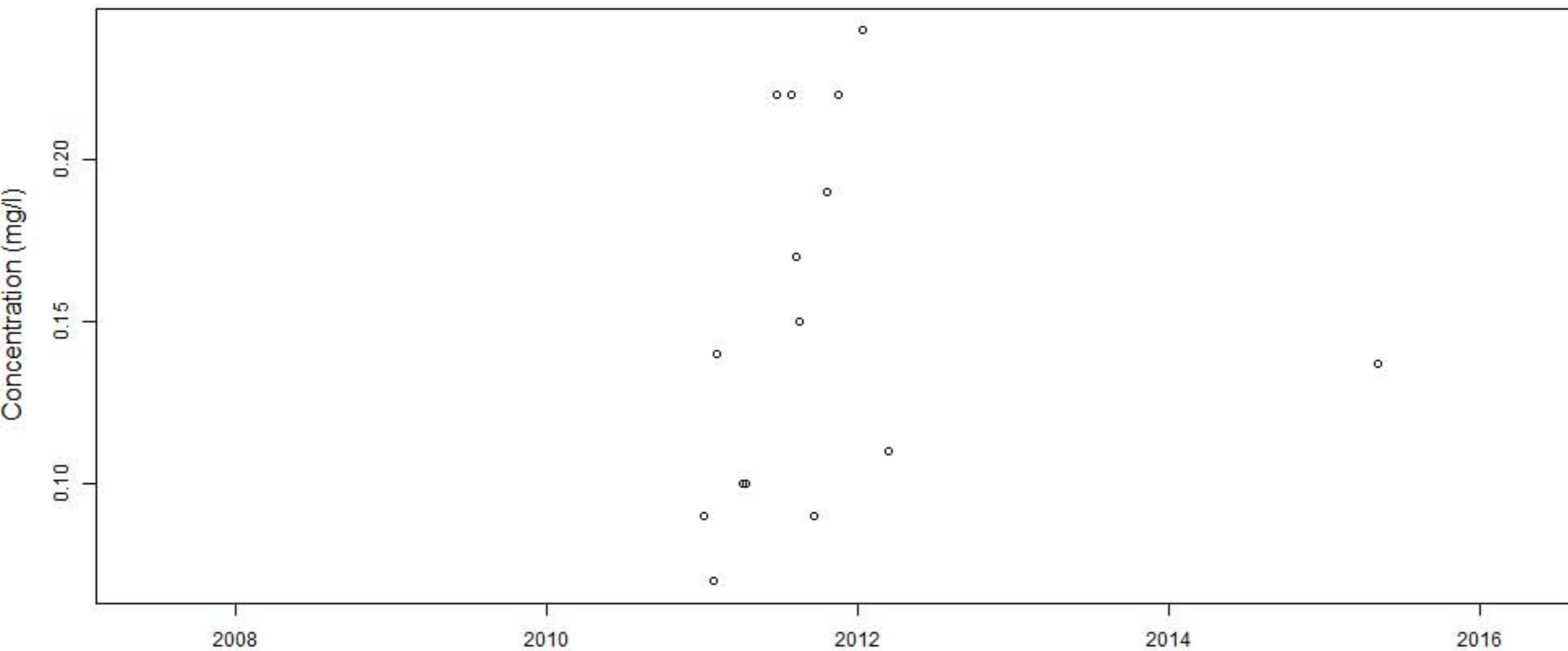
**BECY.9**



BECY.9ra.Comp



BECY.9ra.Grab.after

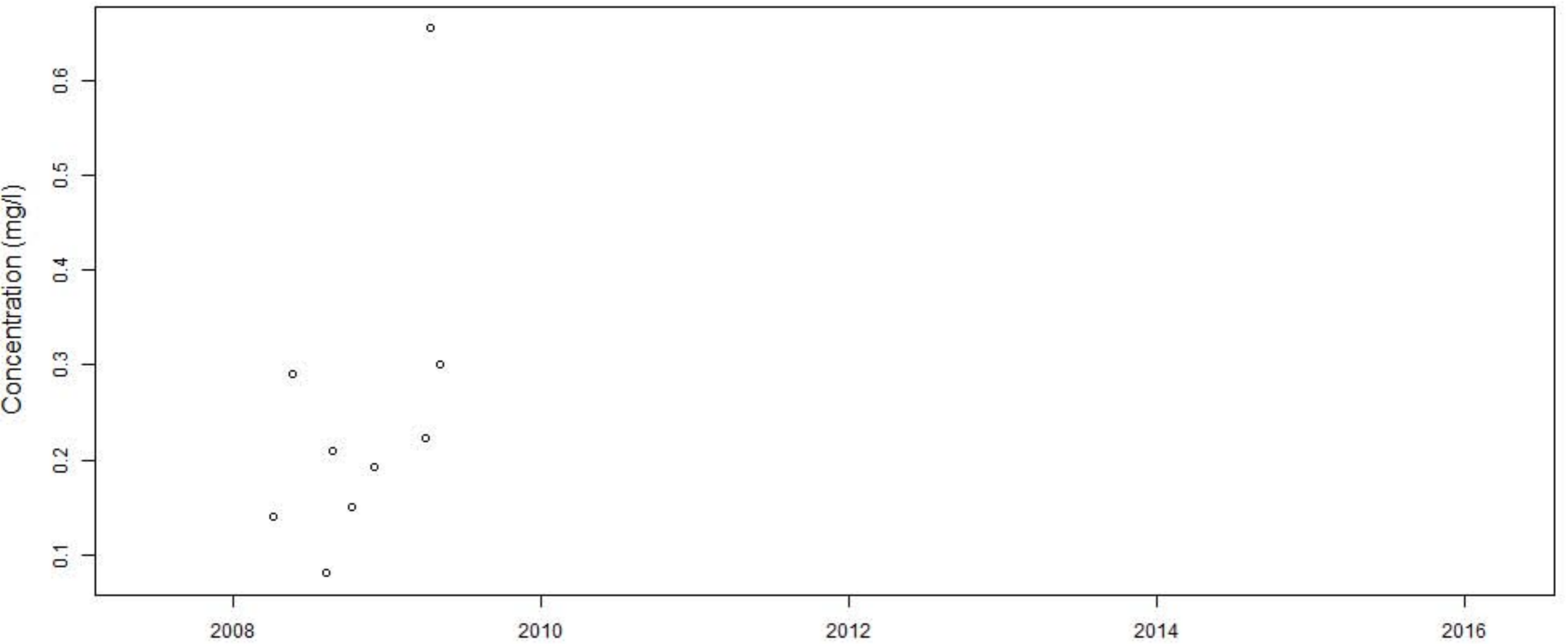




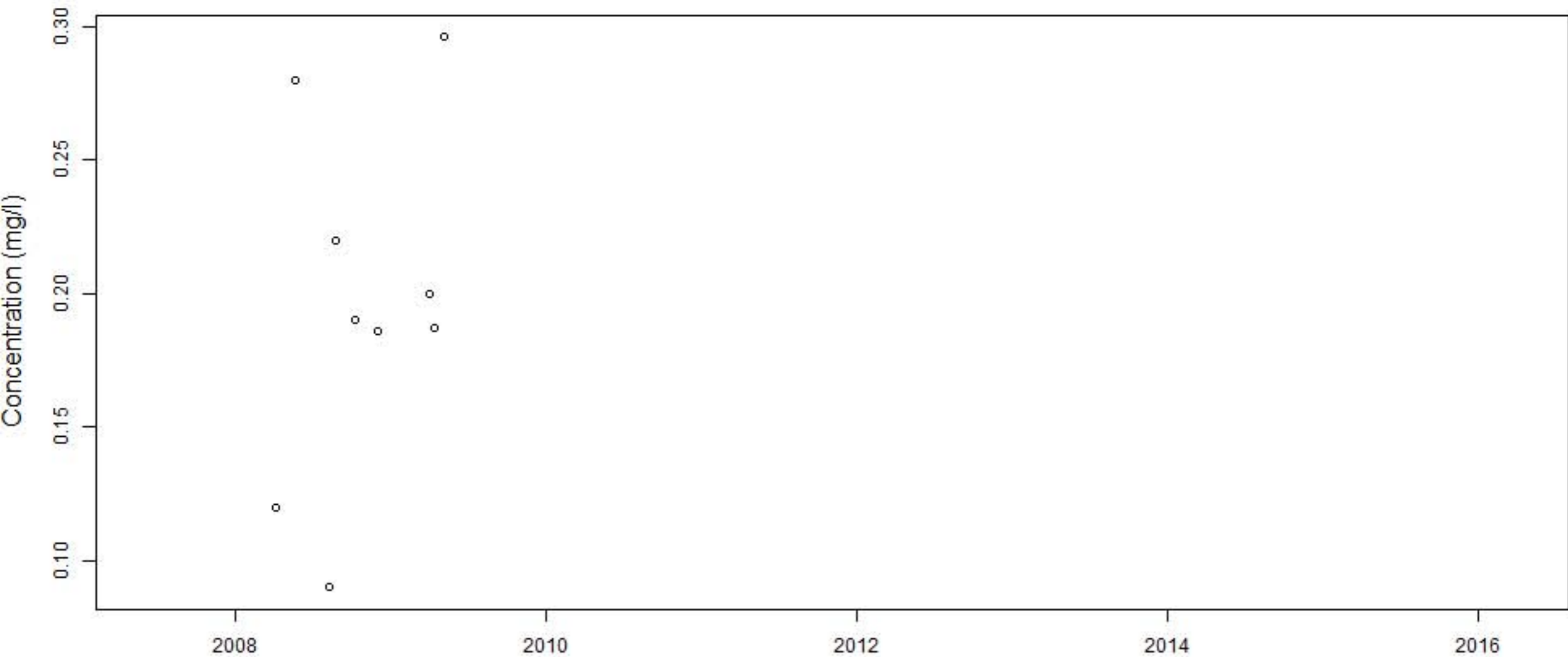




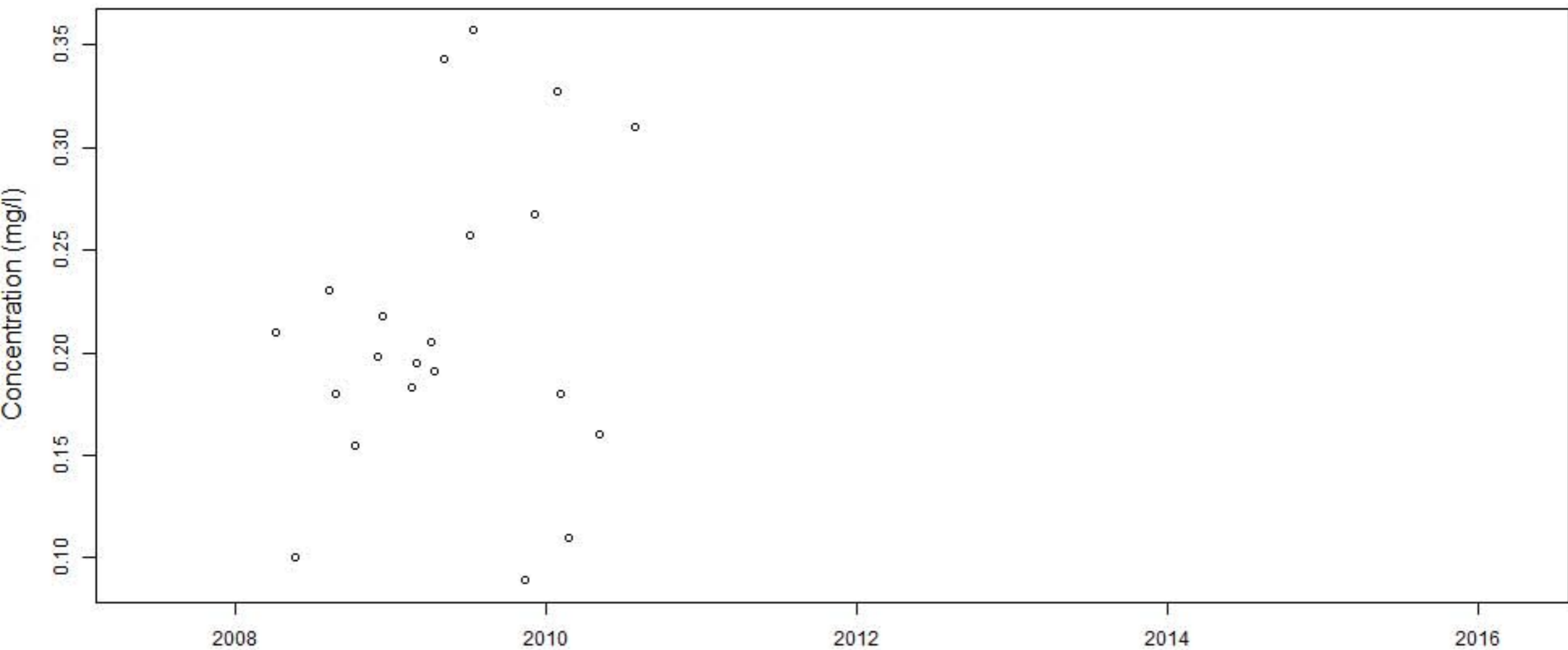
# BM Pep...IN.COMP



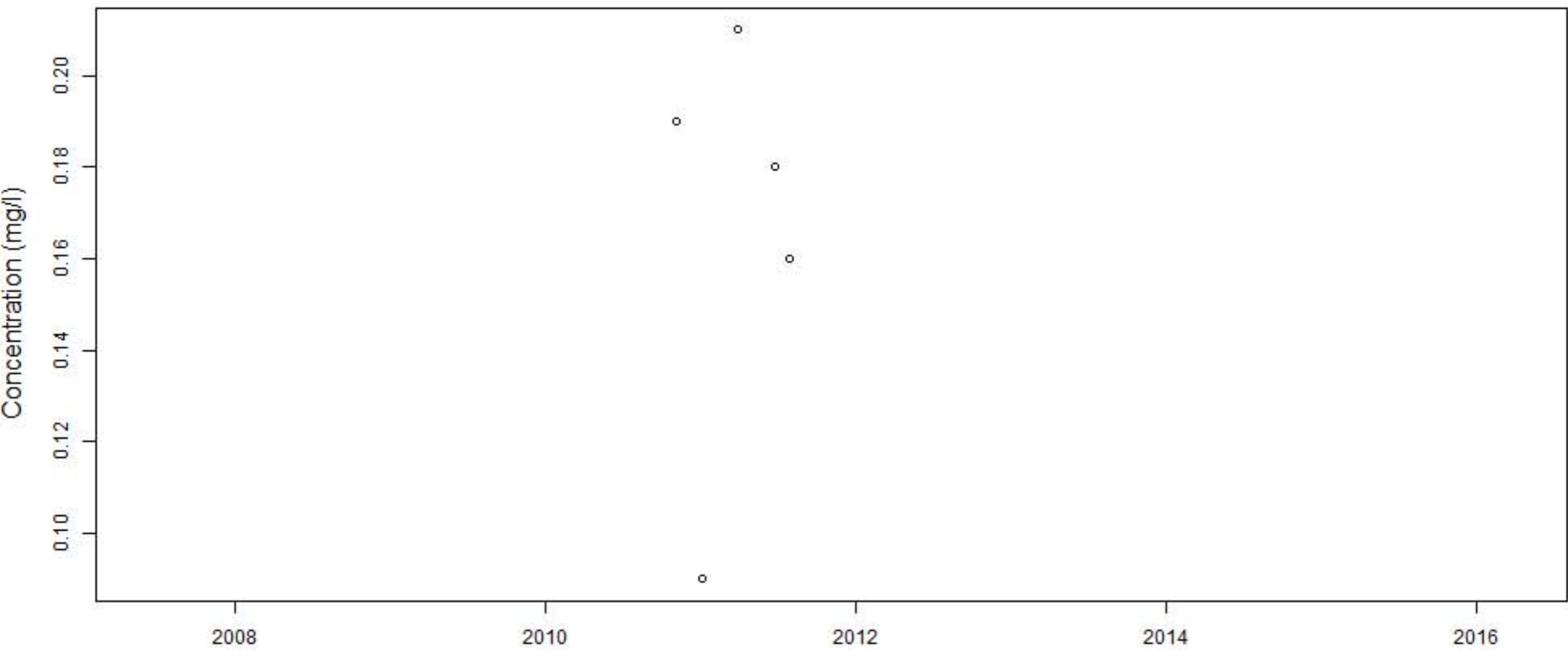
# BM Pep...IN.GRAB



# BM Pep...OUT.COMP



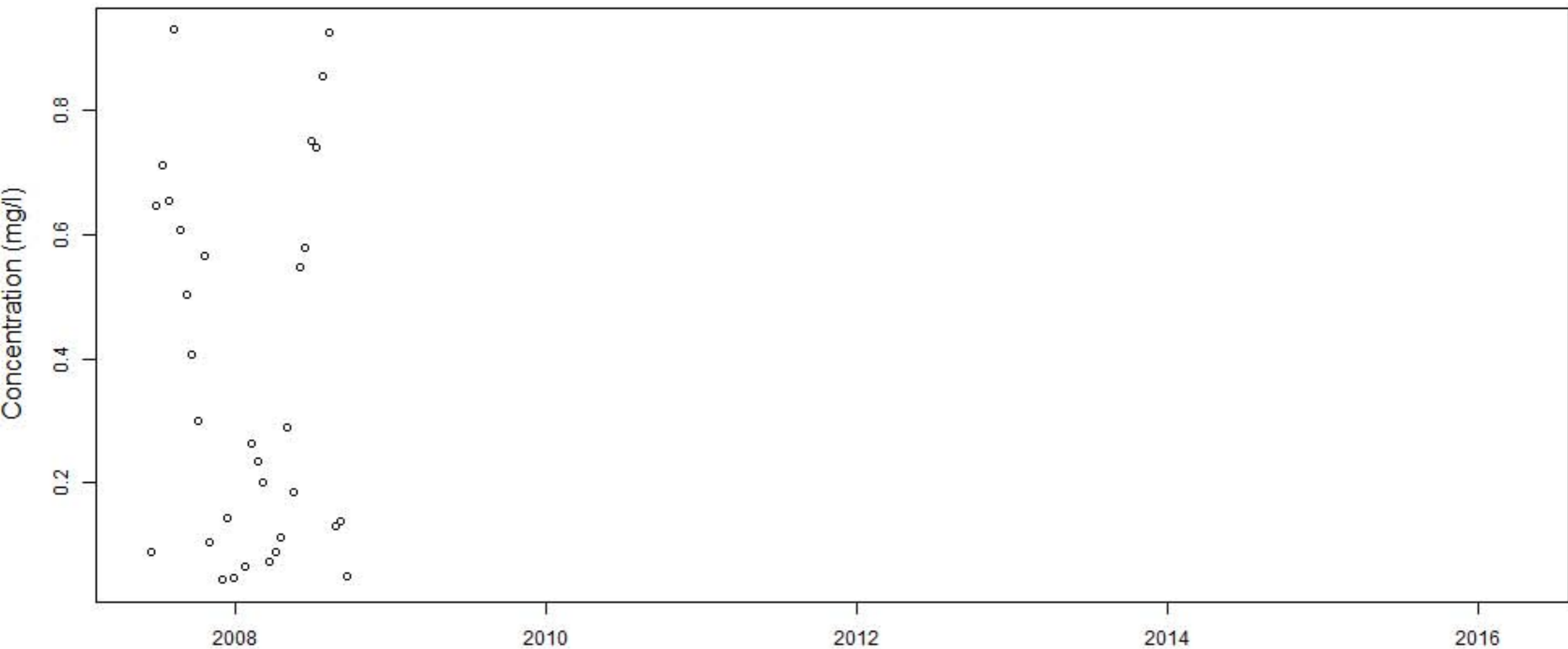
**BM Pep...OUT.Grab.after**



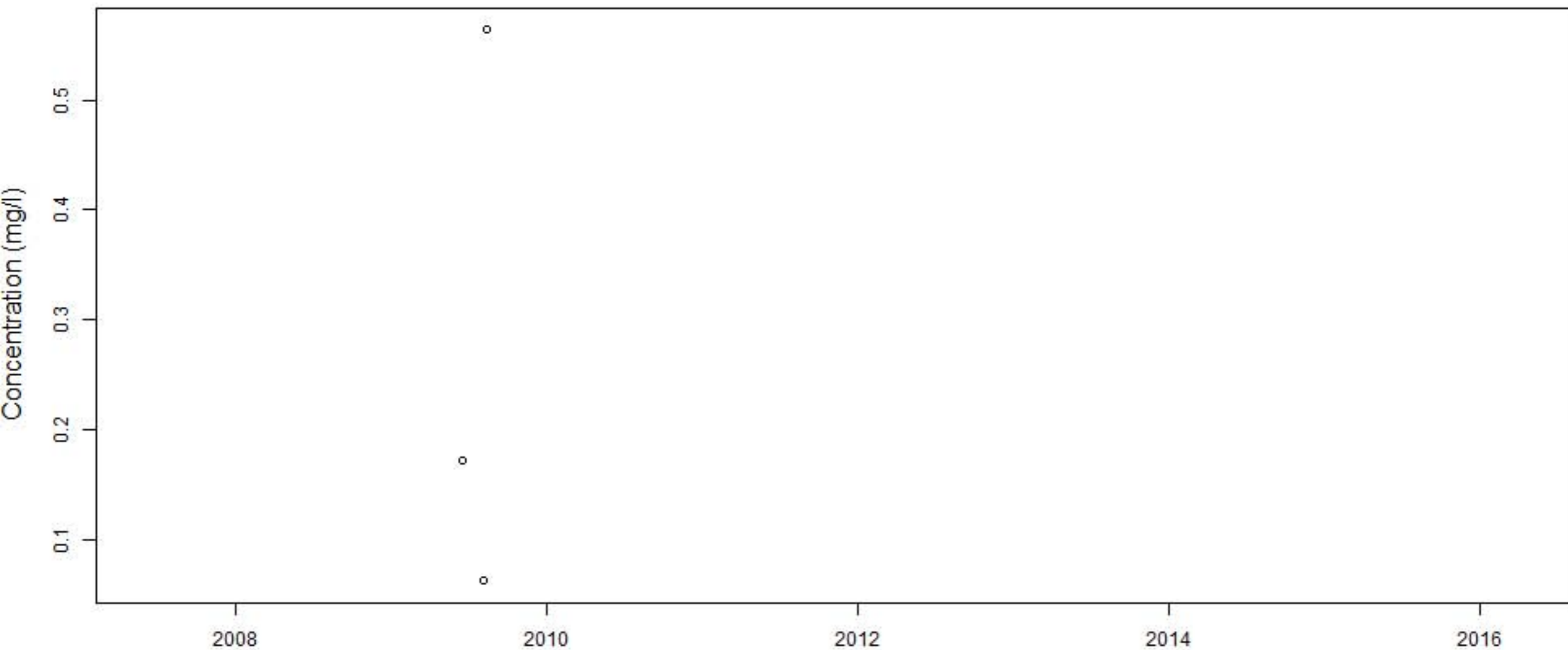




# BURKE.S.BEACH

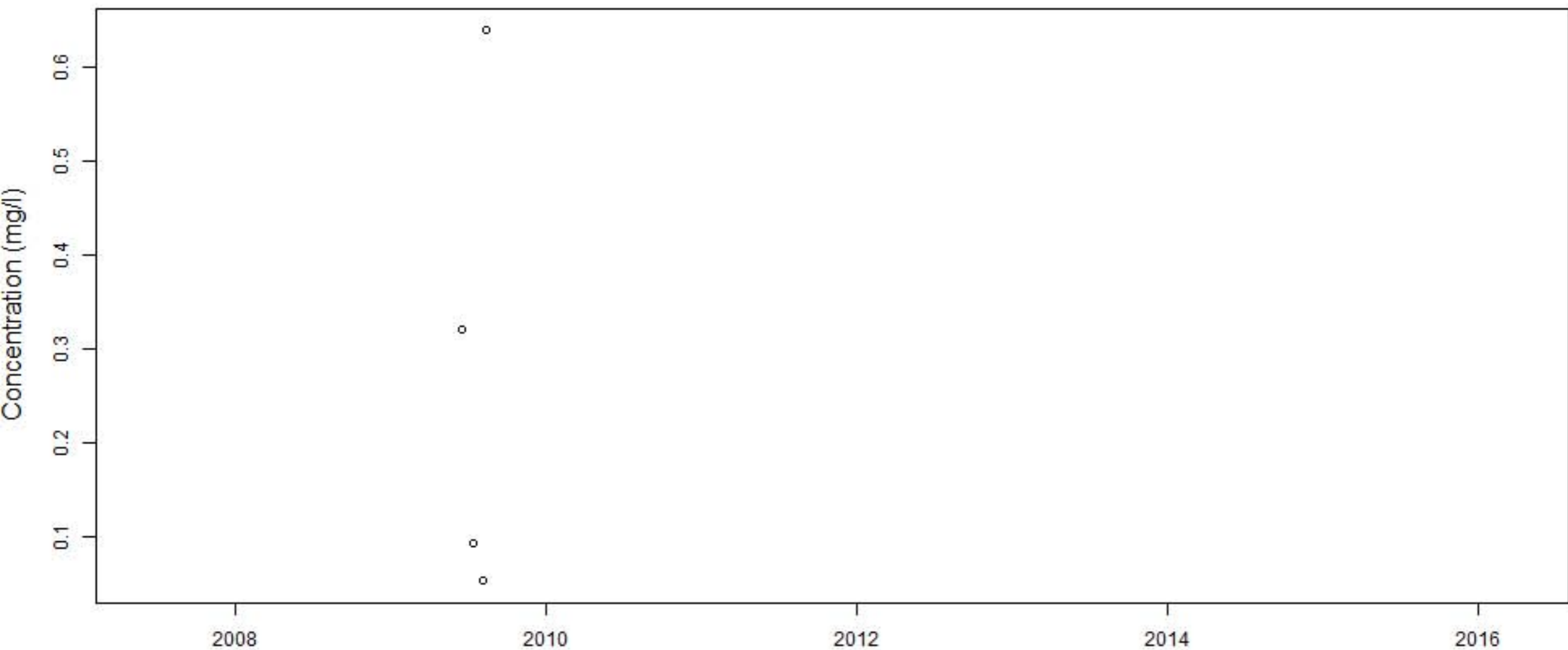


# Christine.Place.Comp

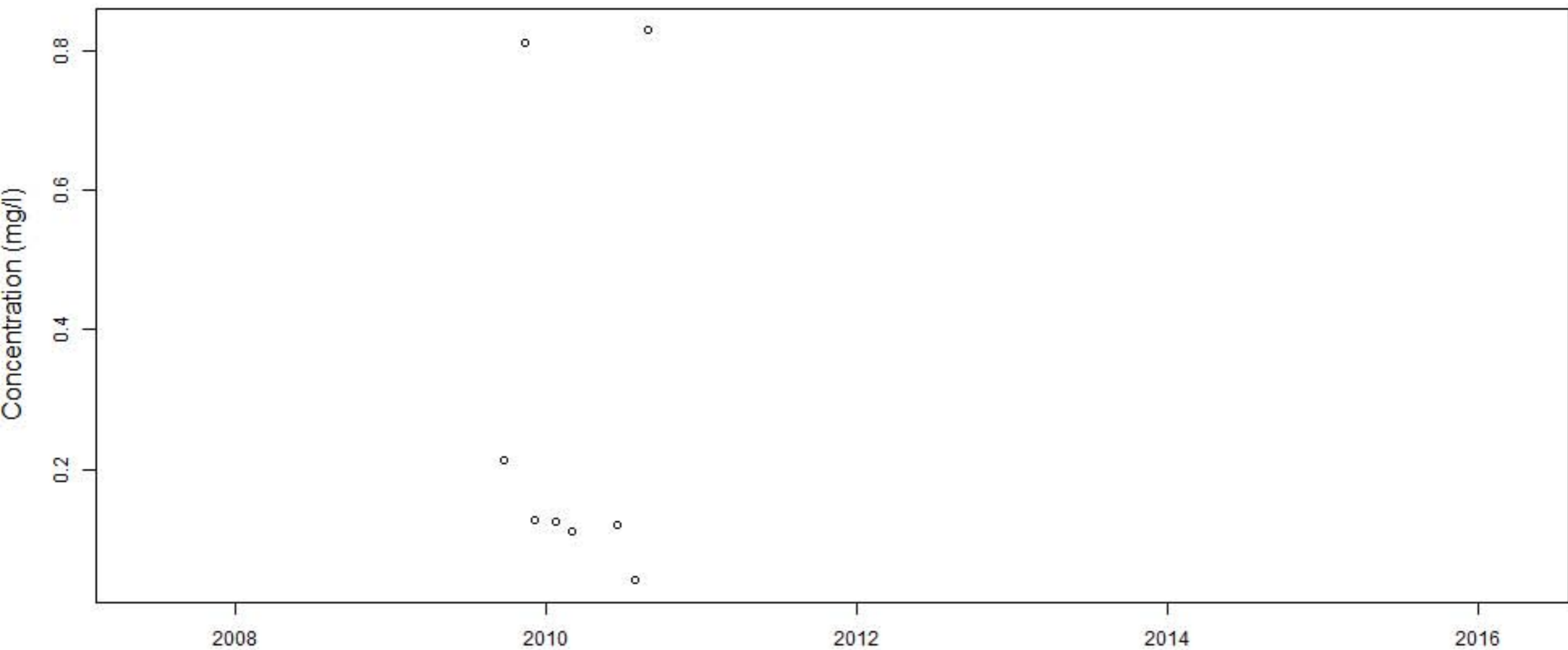




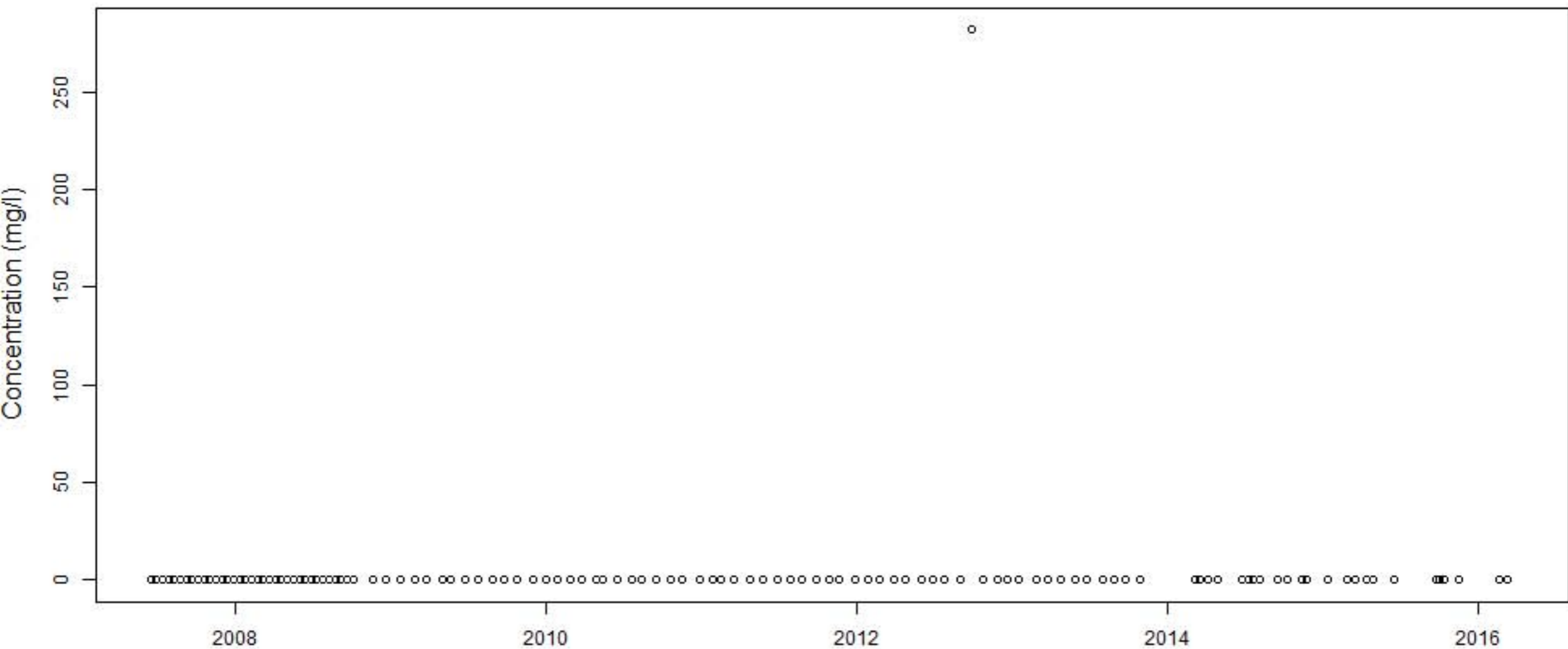
# Christine.Place.Grab



# Christine.Place.R

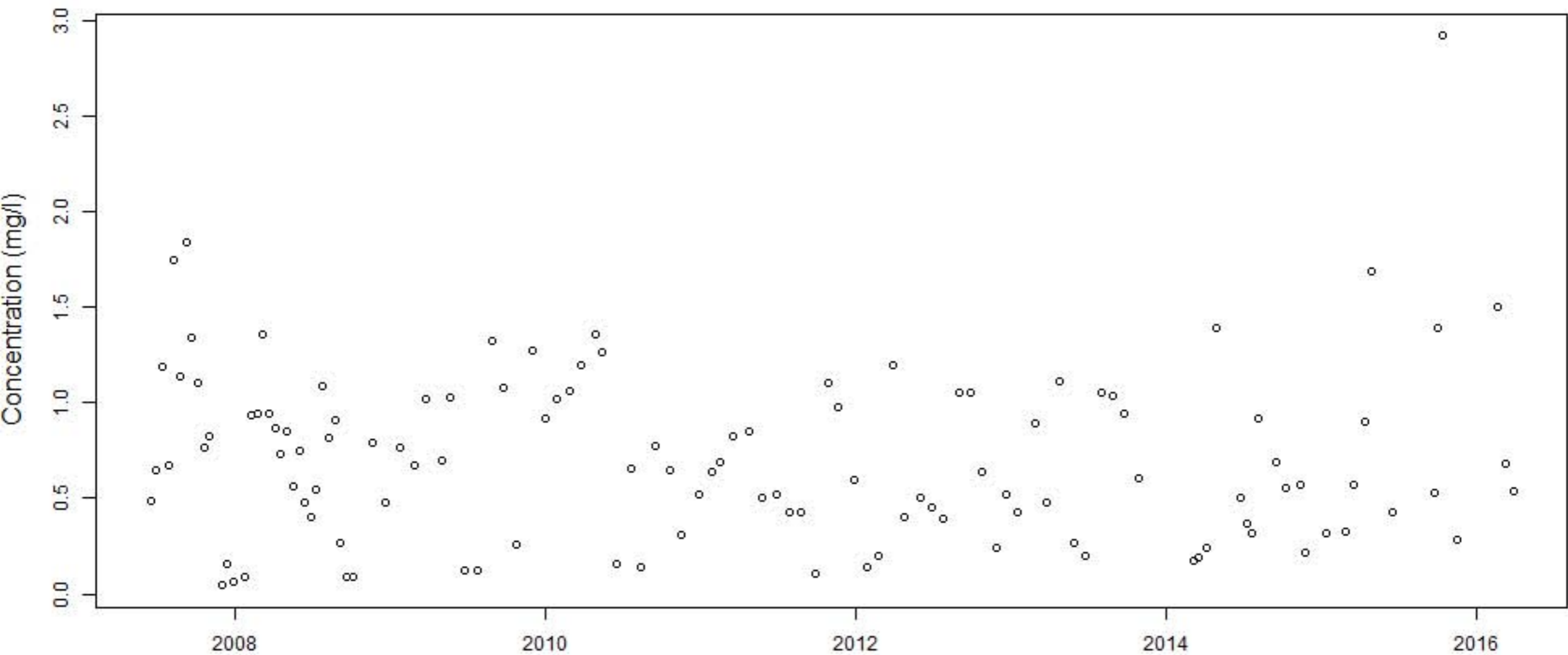


# CRACKER.BARREL

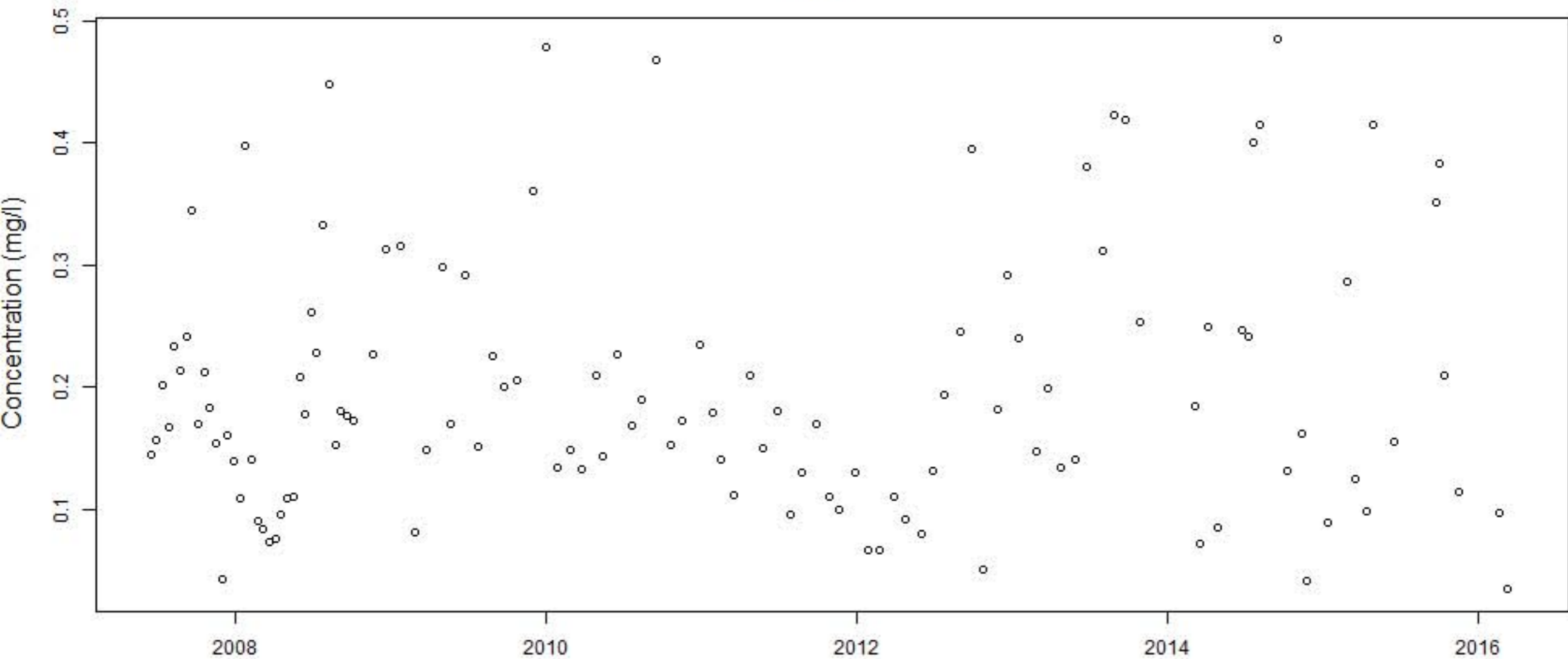




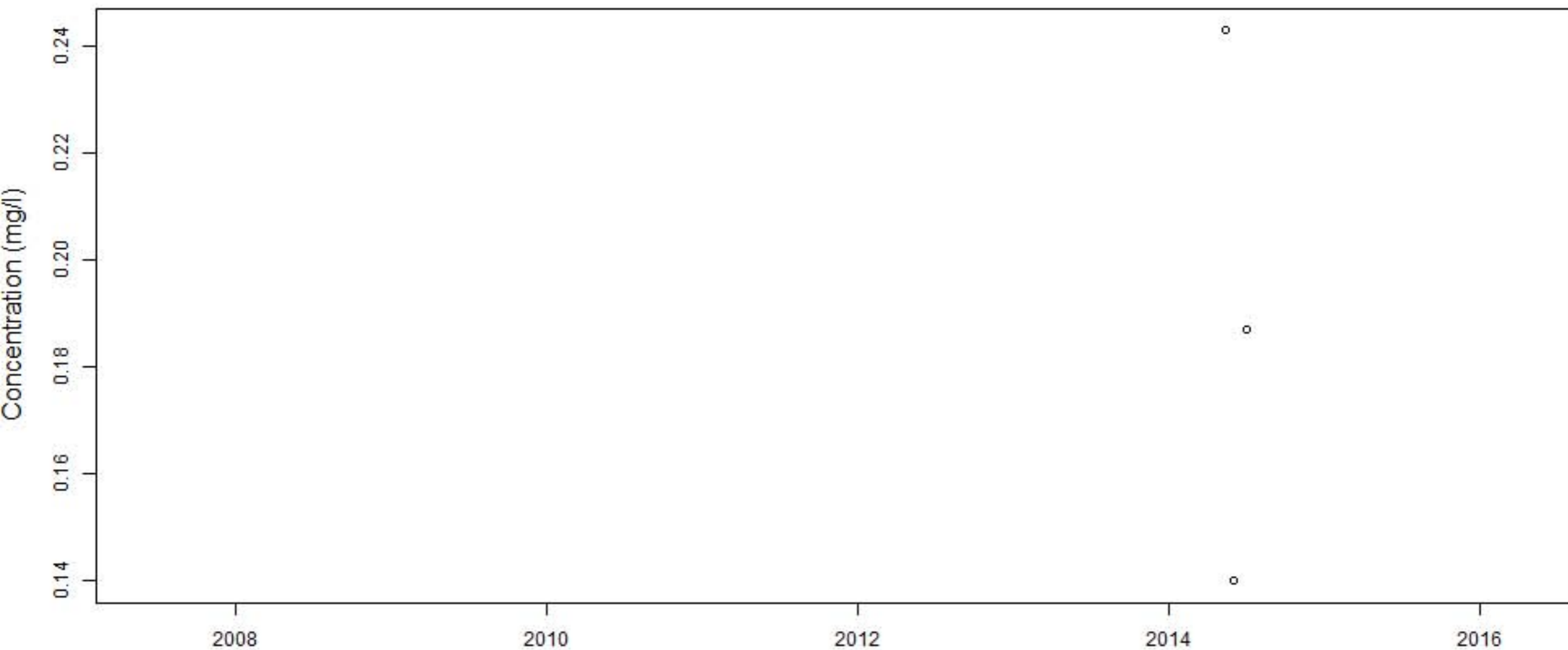
# CSA



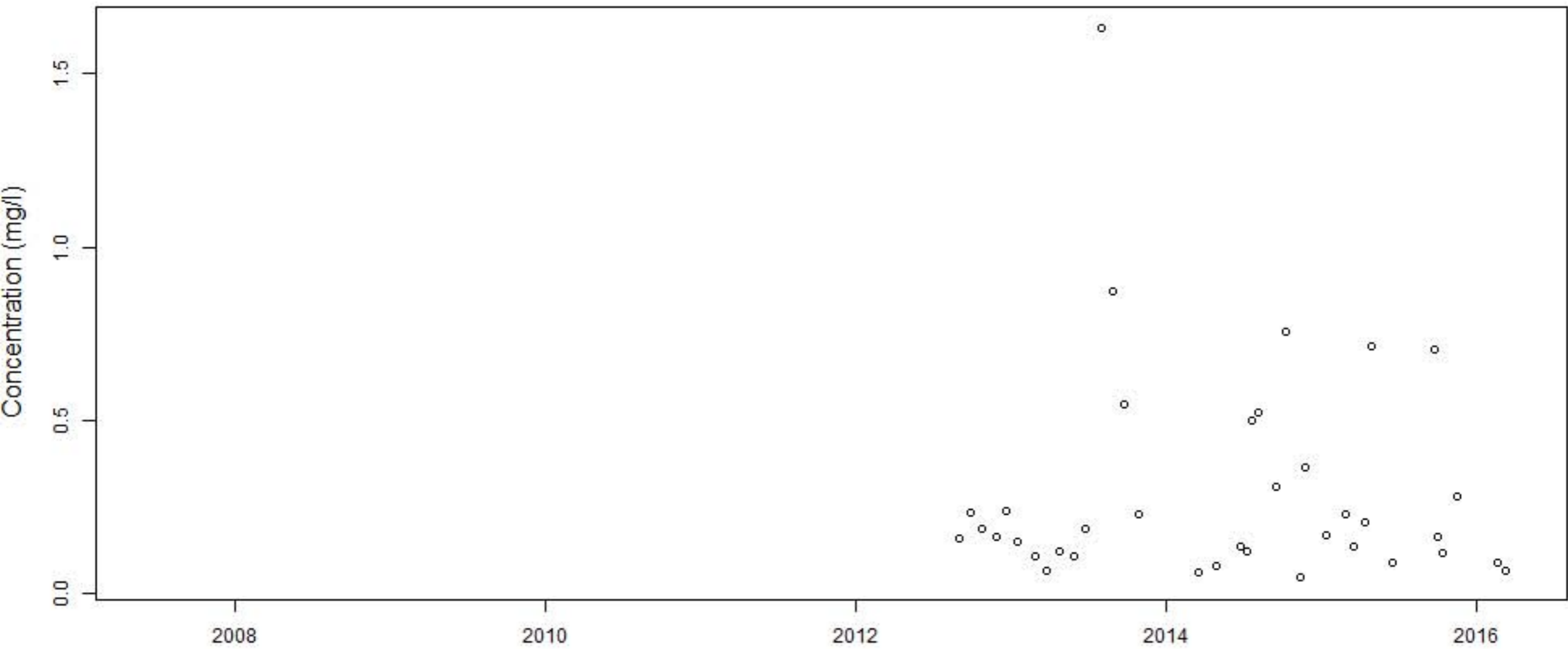
# DISNEY



EXECUTIVE.PARK.ROAD.107

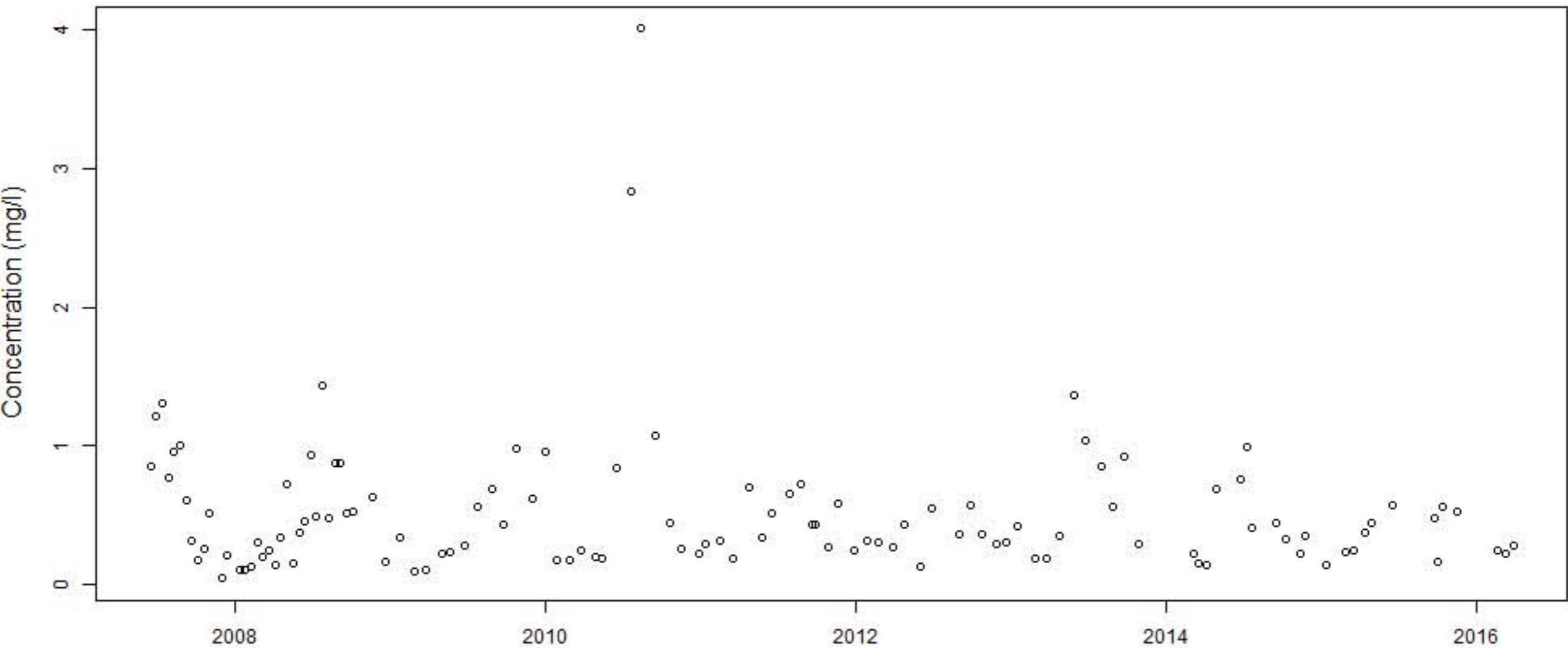


# FISH.HAUL

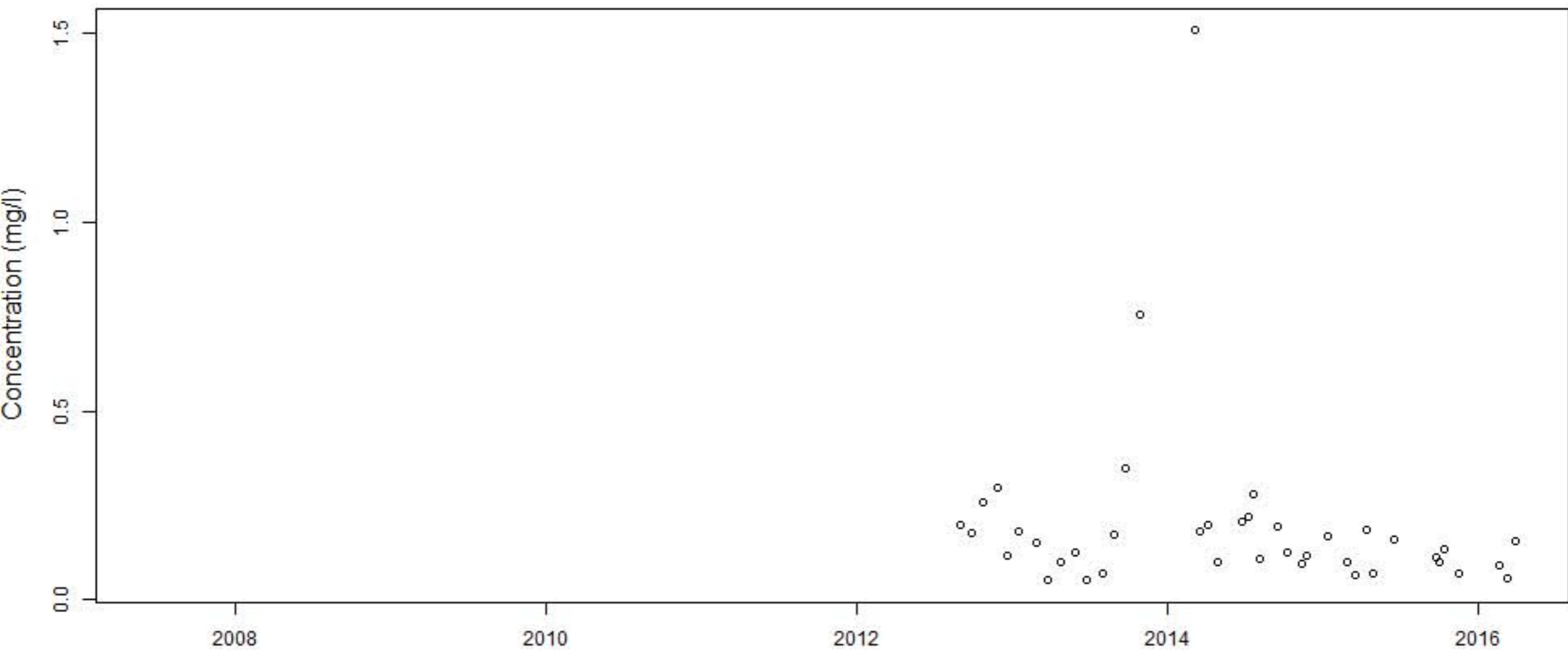




# GUM.TREE

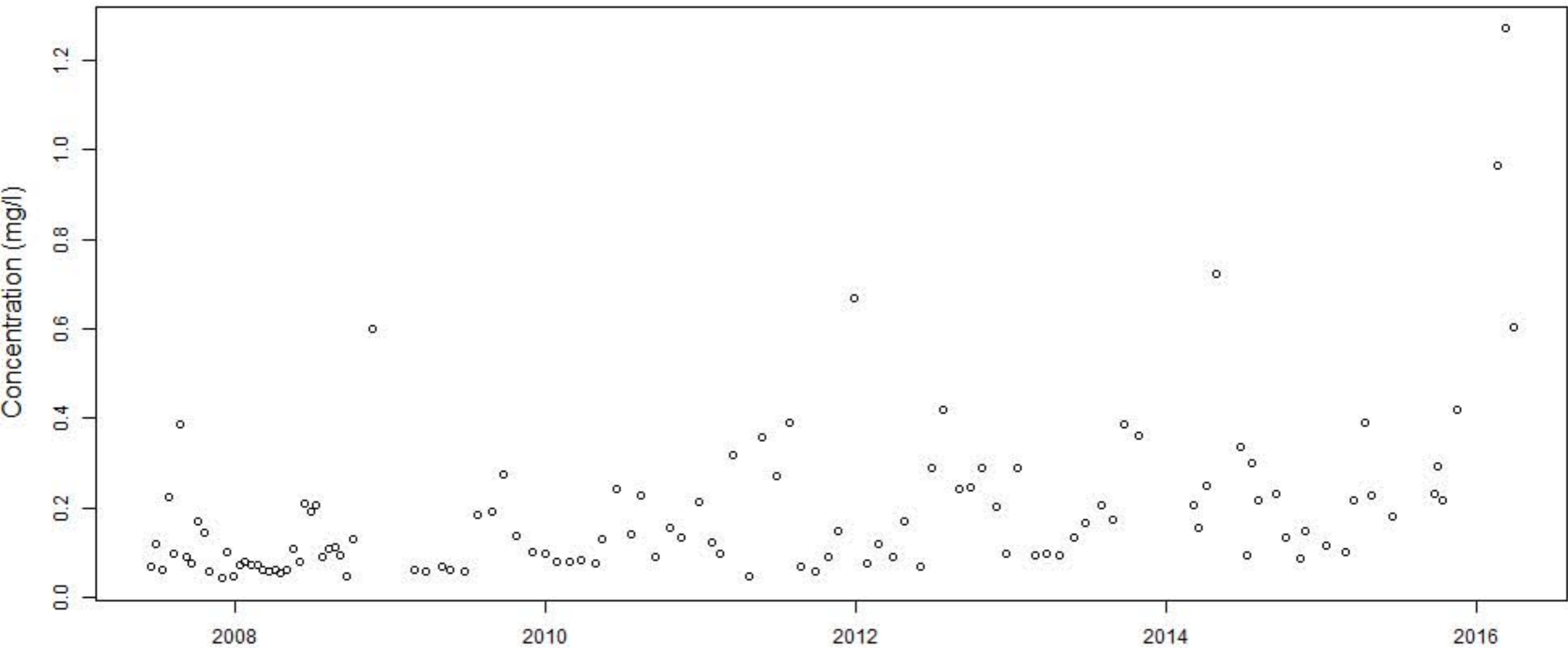


# HARBOR.MANOR



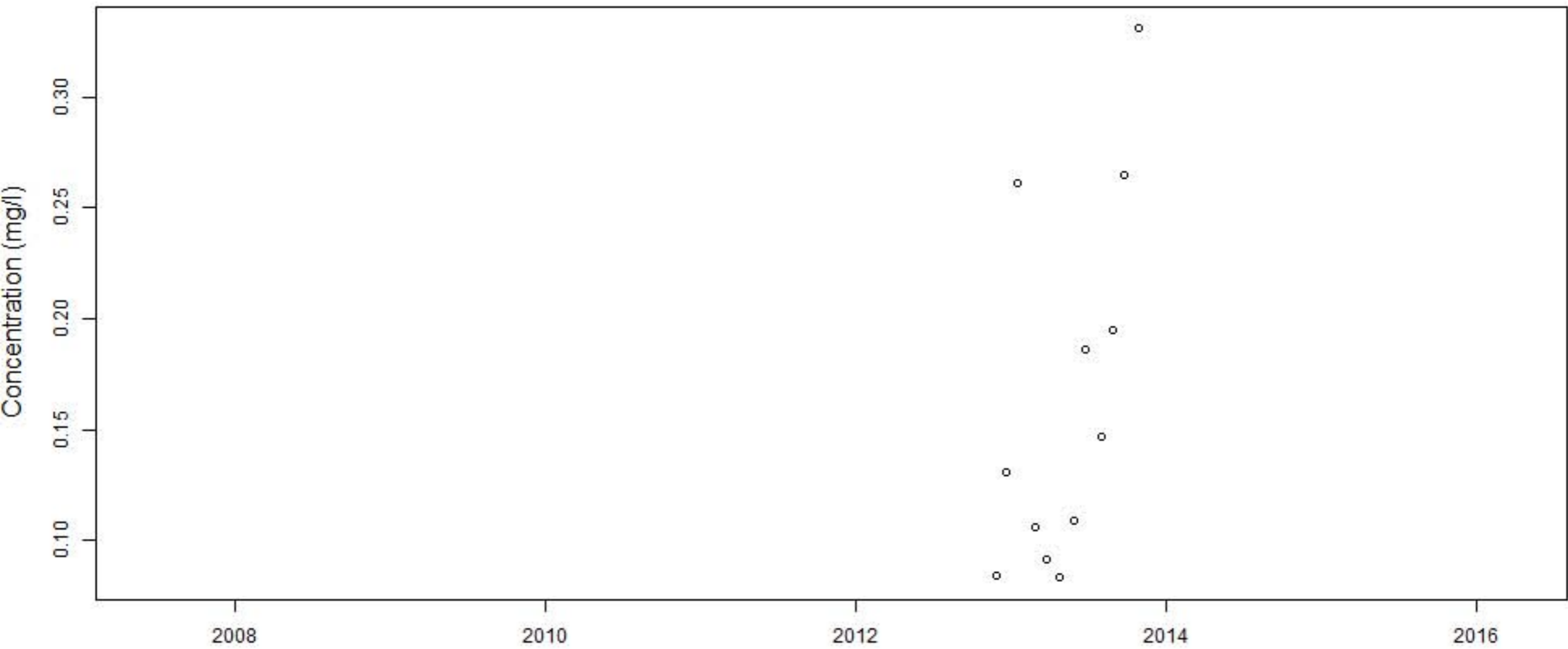


# JARVIS.1

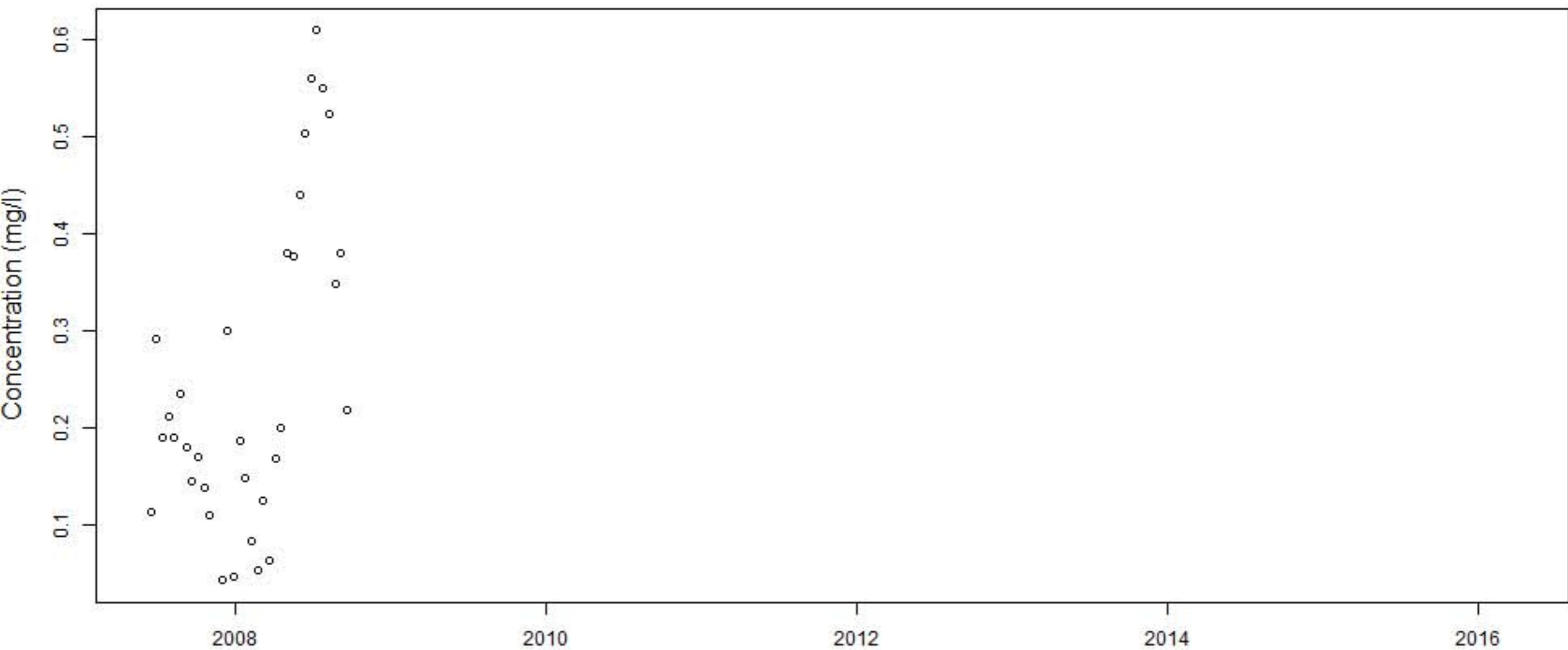




# JARVIS.3



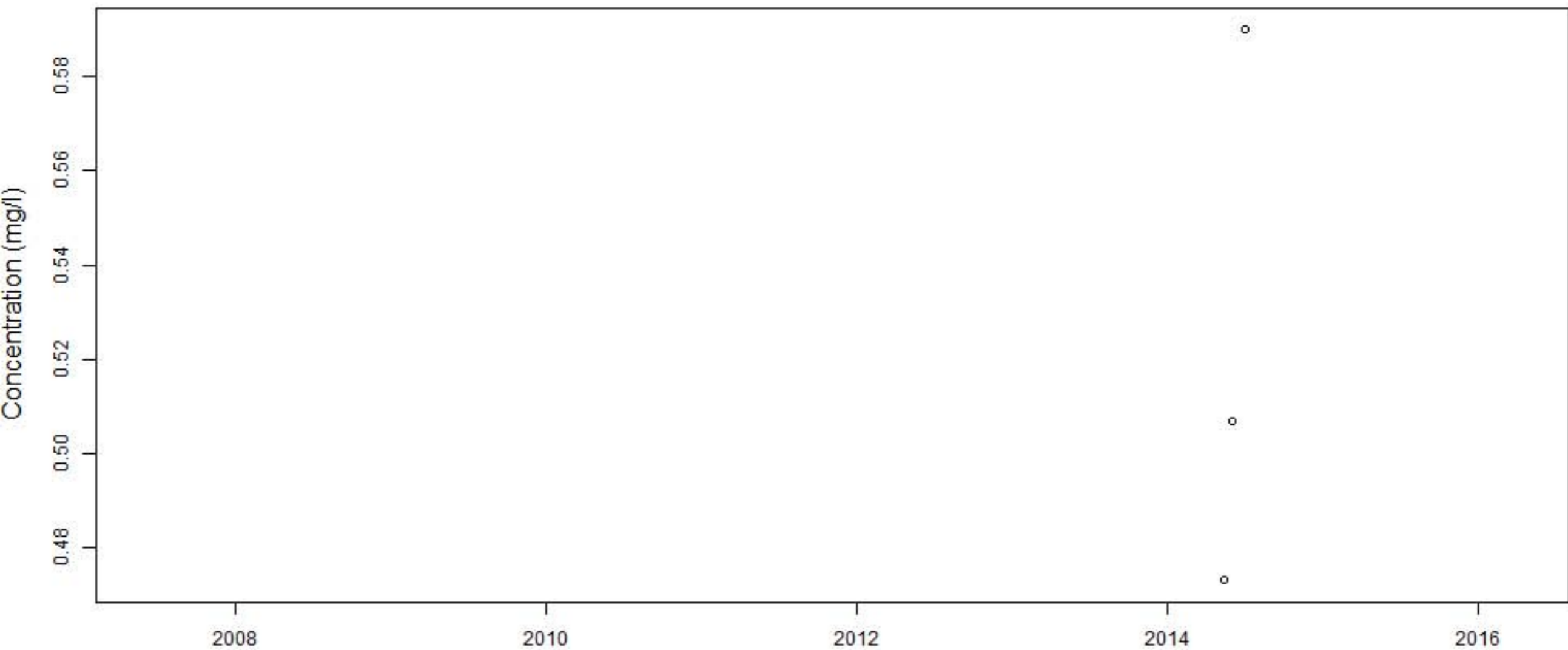
# MATHEWS.1



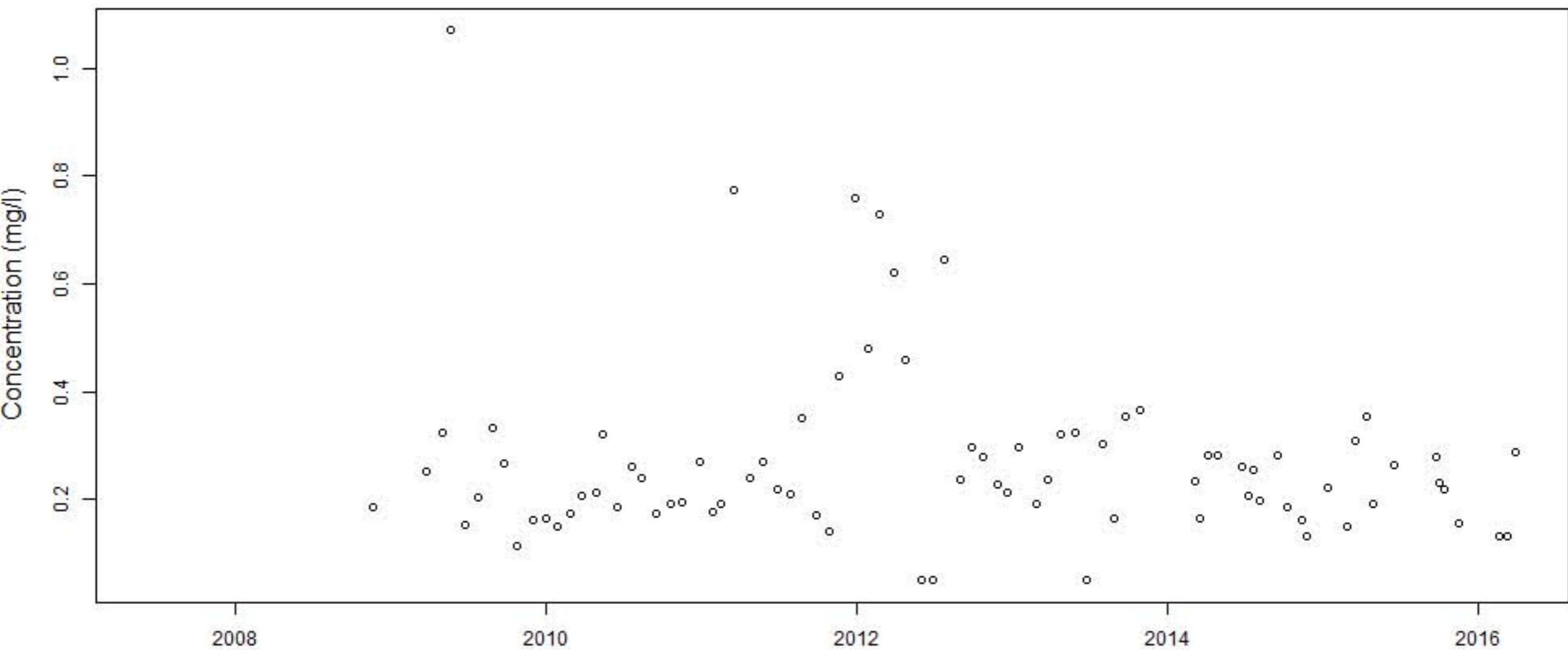




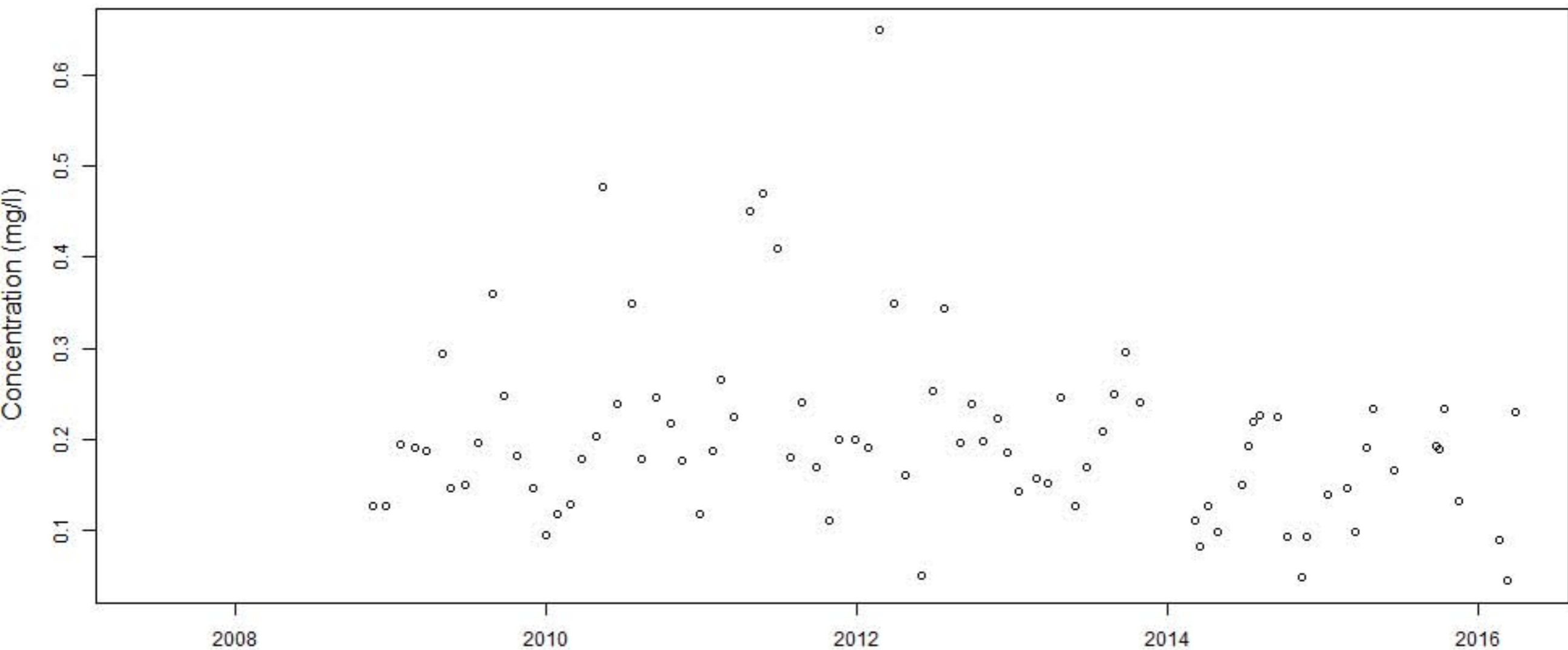
MATHEWS.DRIVE.104



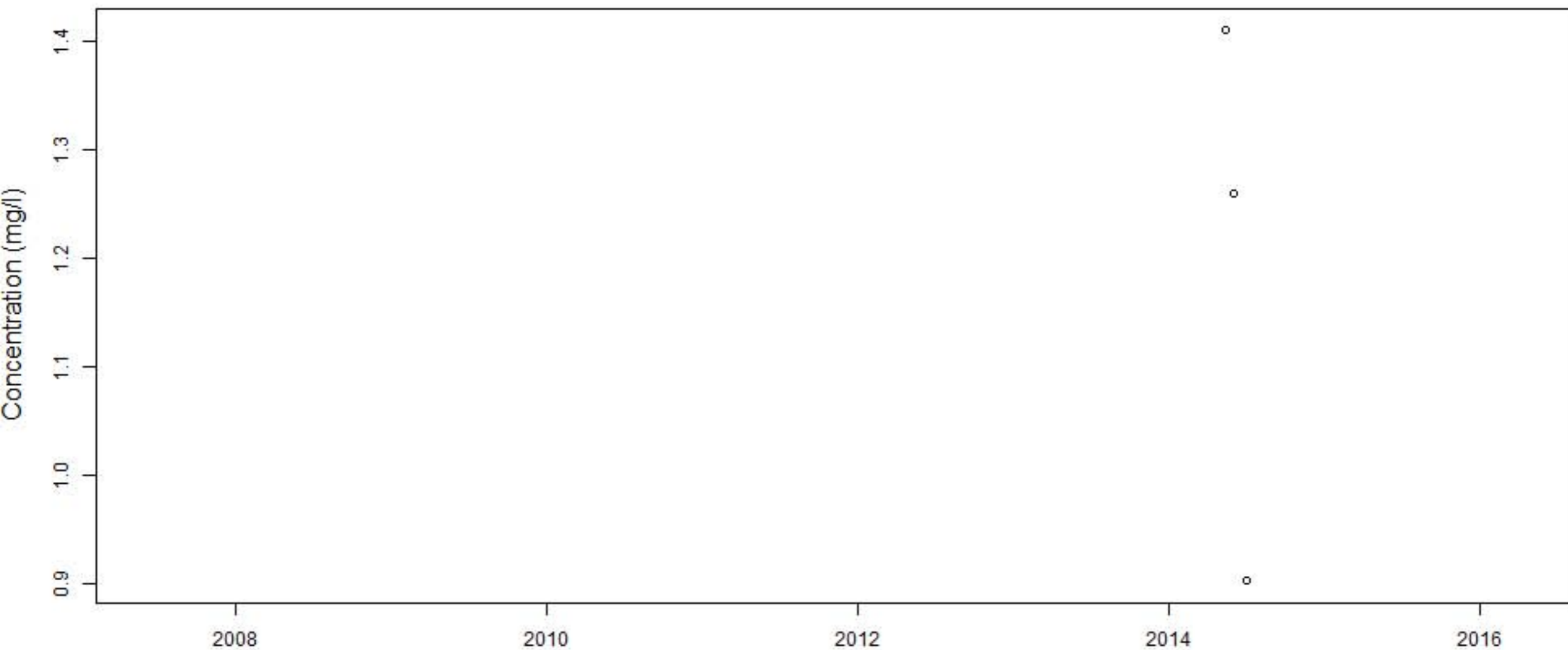
MILLERS.POND.1



# MILLERS.POND.2

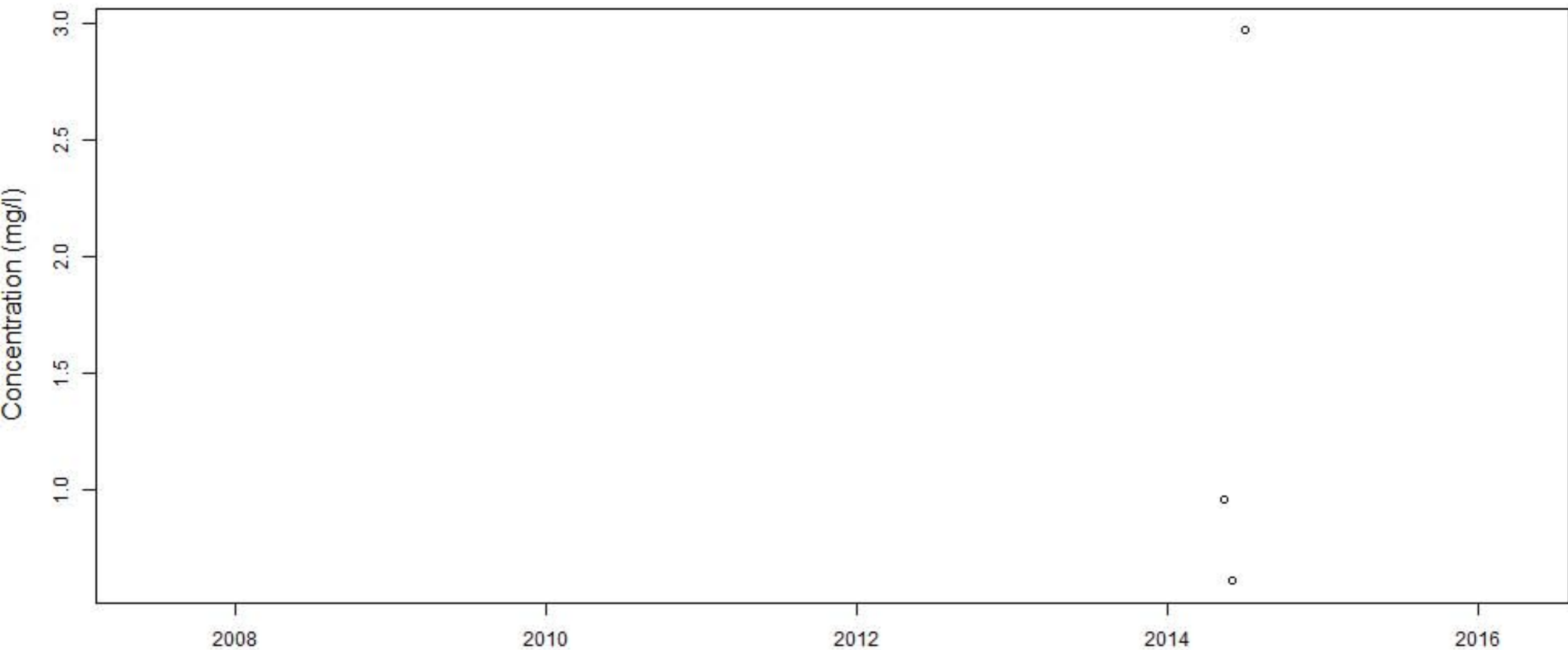


OFFICE.PARK.ROAD.106

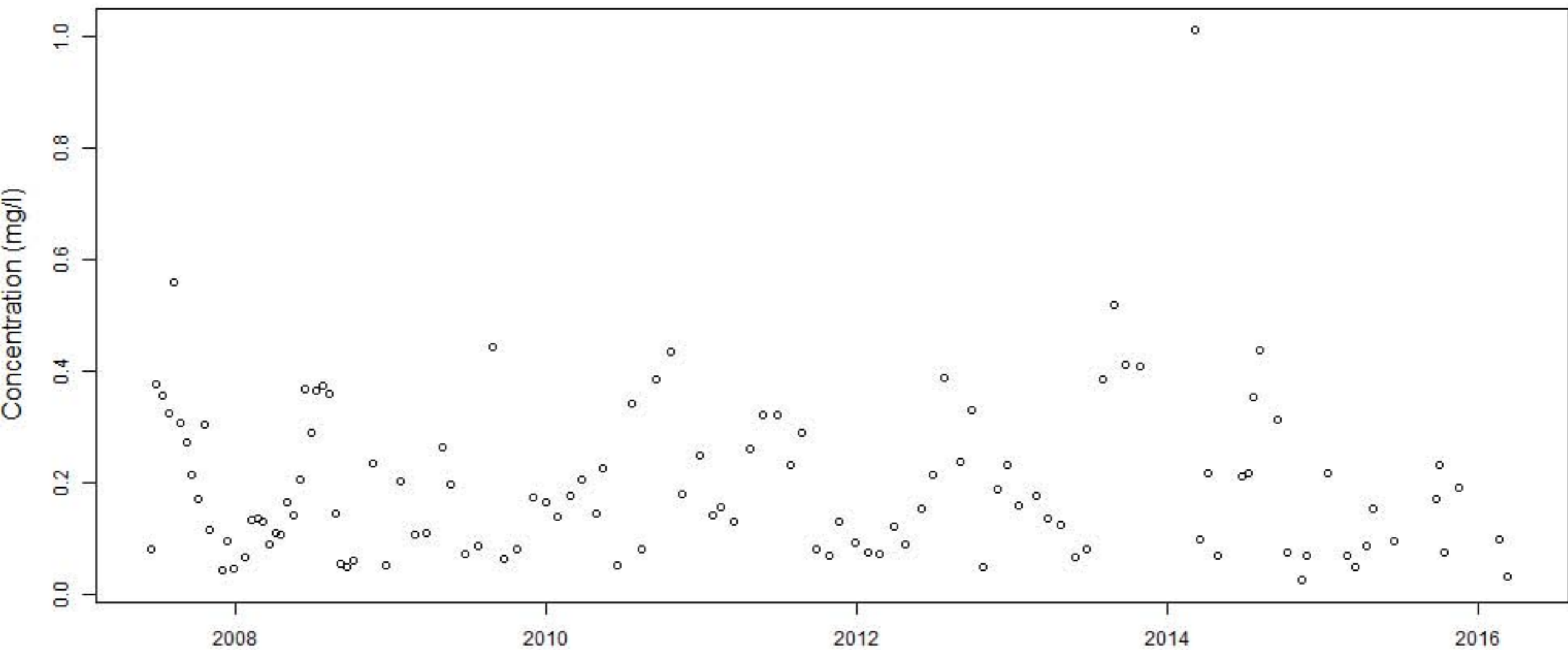




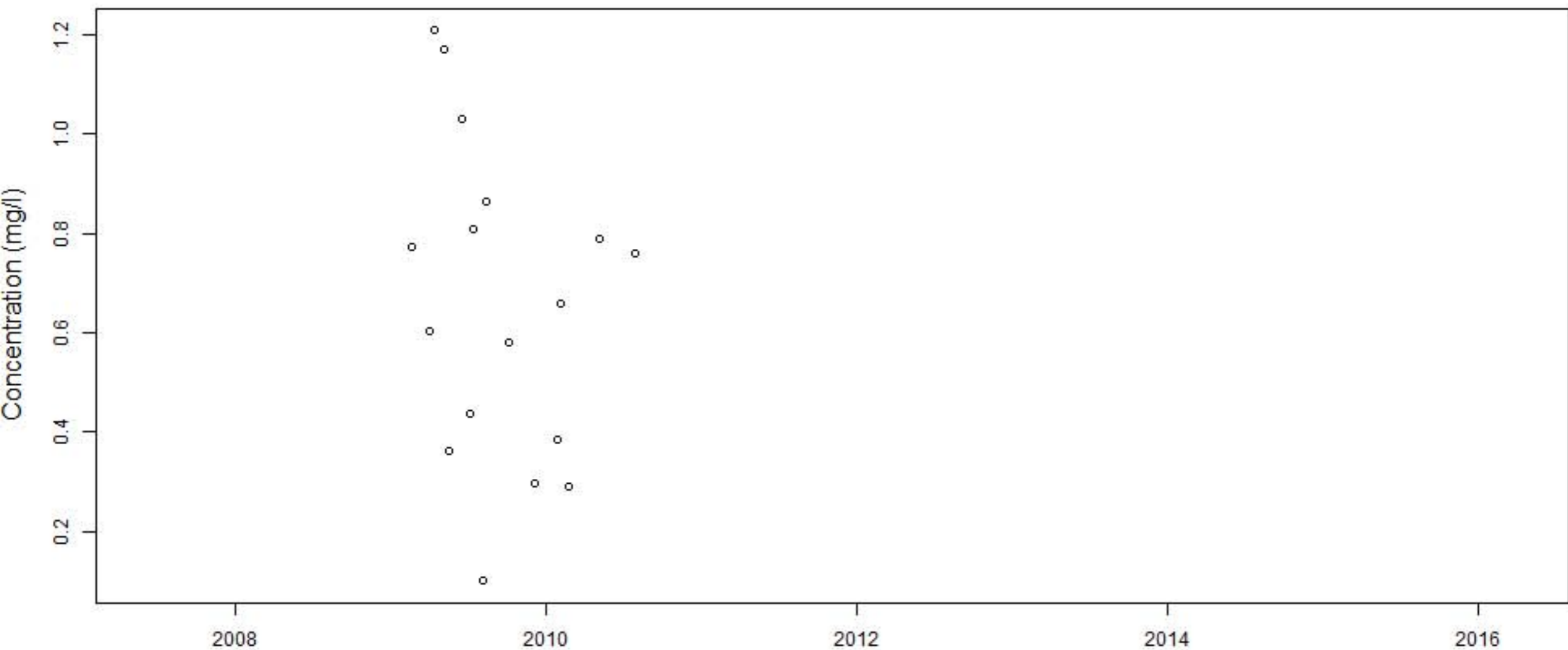
POPE.AVENUE.105



# SINGLETON.BEACH

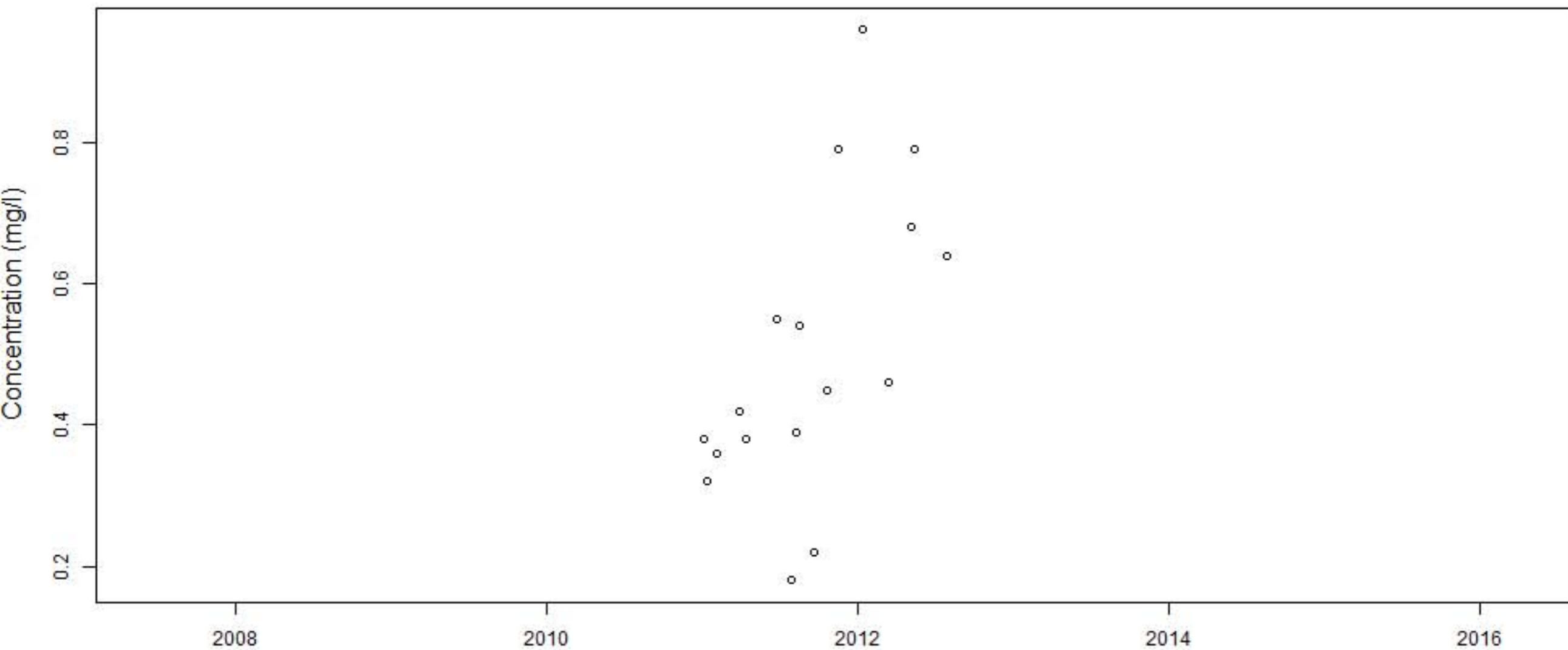


# Southside.Comp

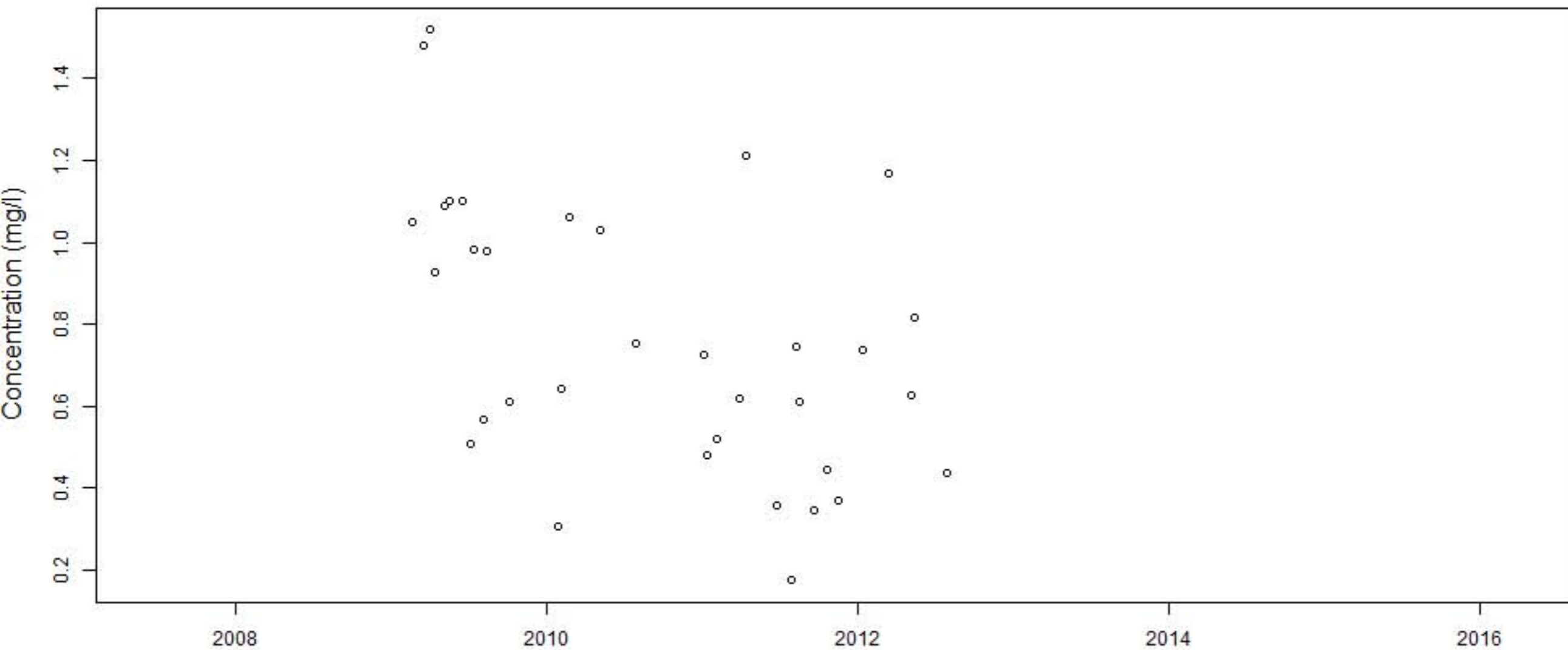




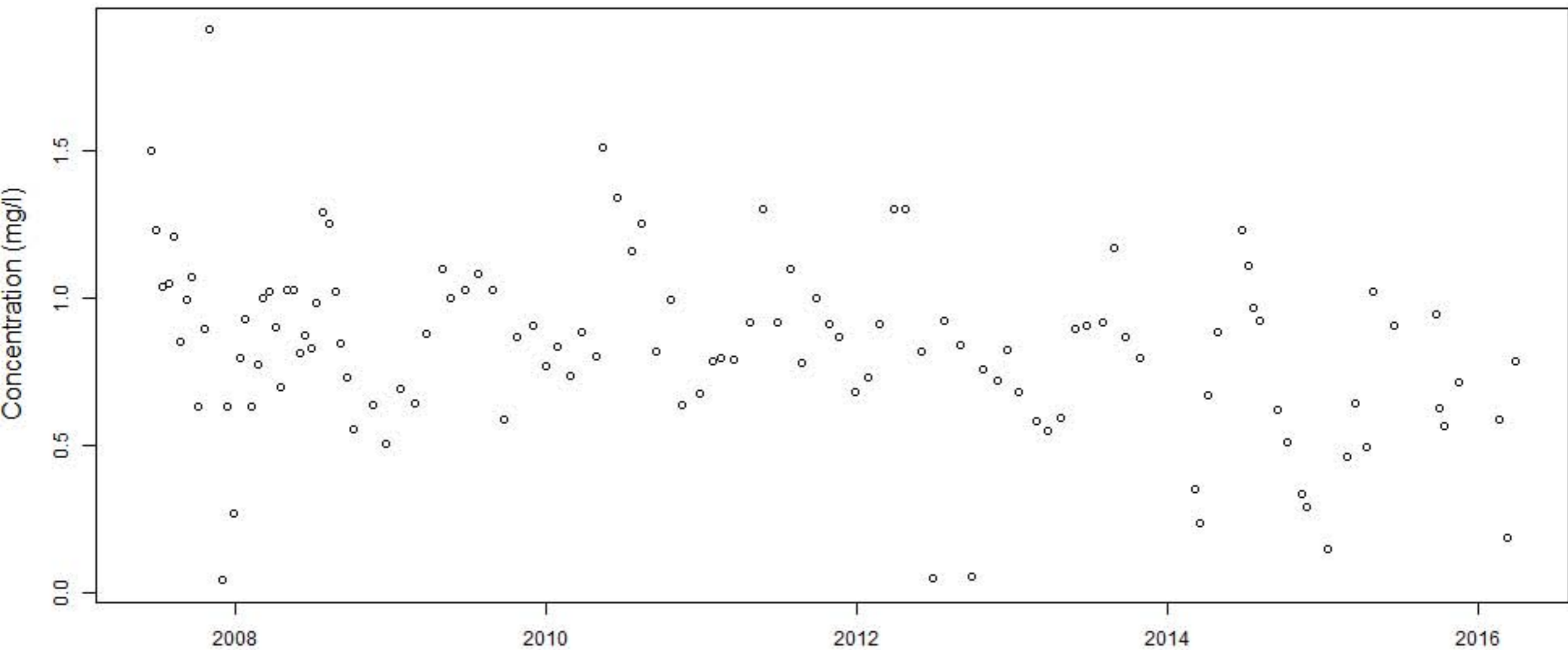
Southside.Grab.after



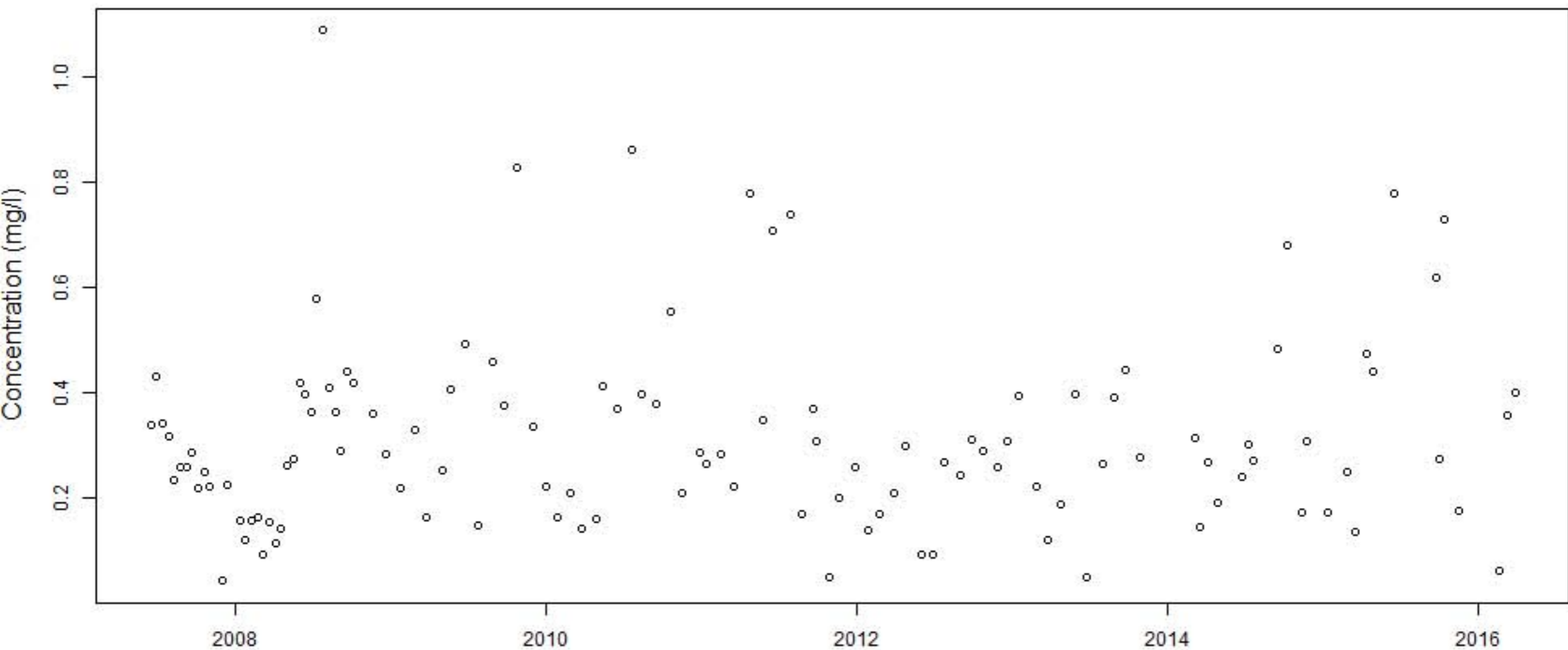
### Southside.Grab



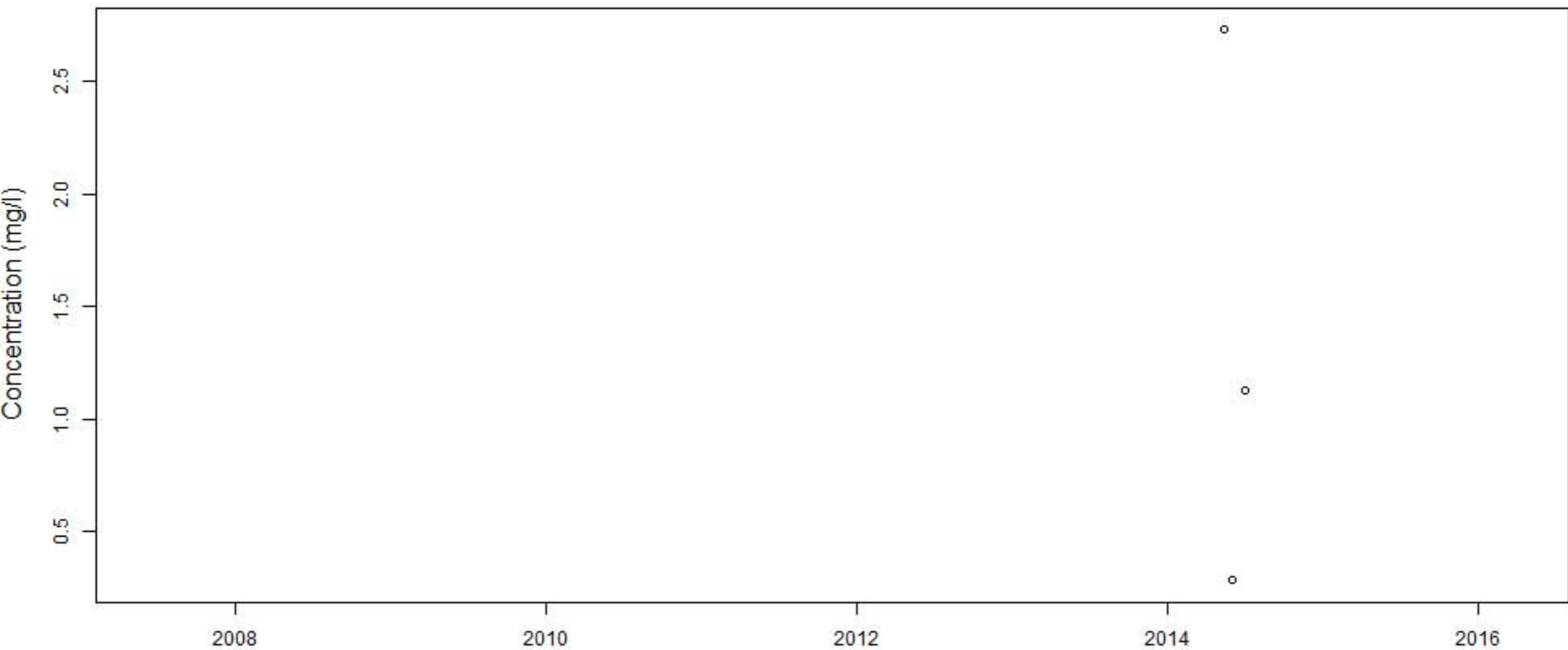
# WEXFORD



# WILD.HORSE

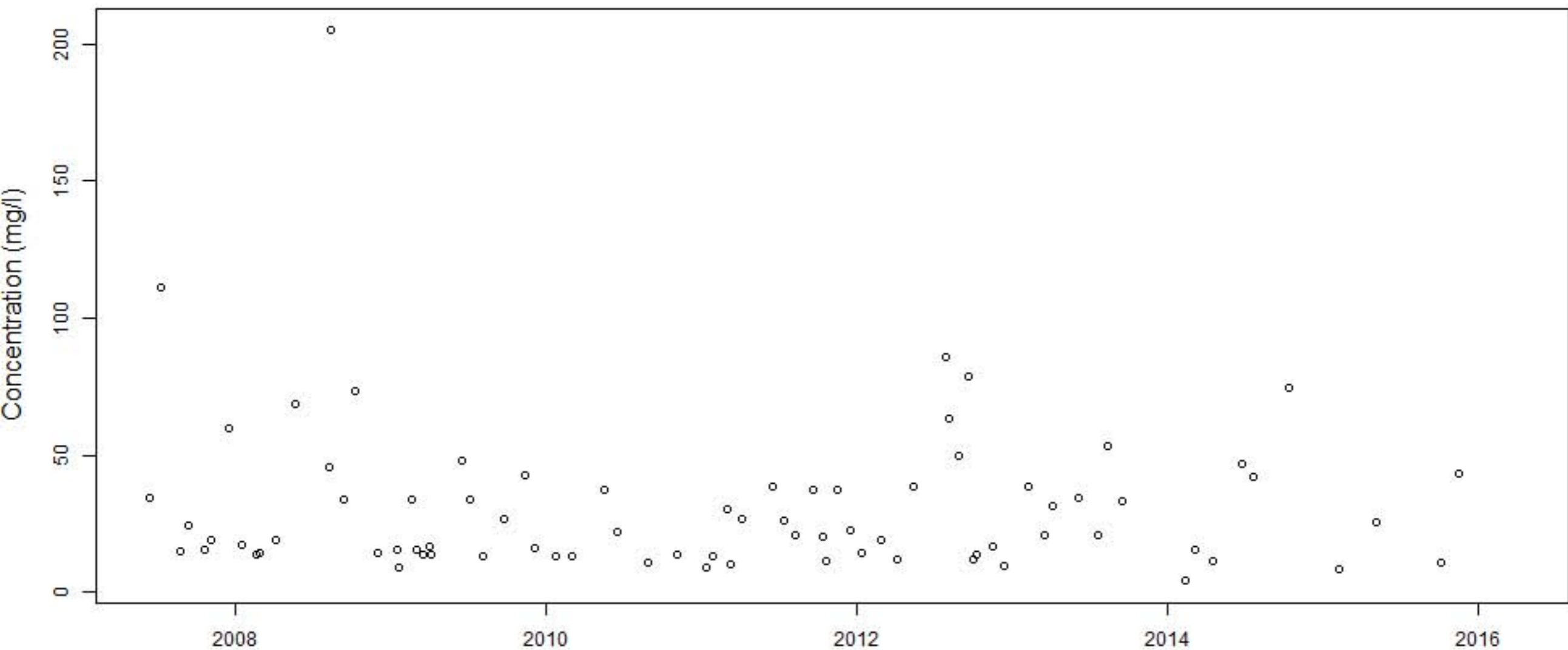


WILLIAM.HILTON.PARKWAY.103

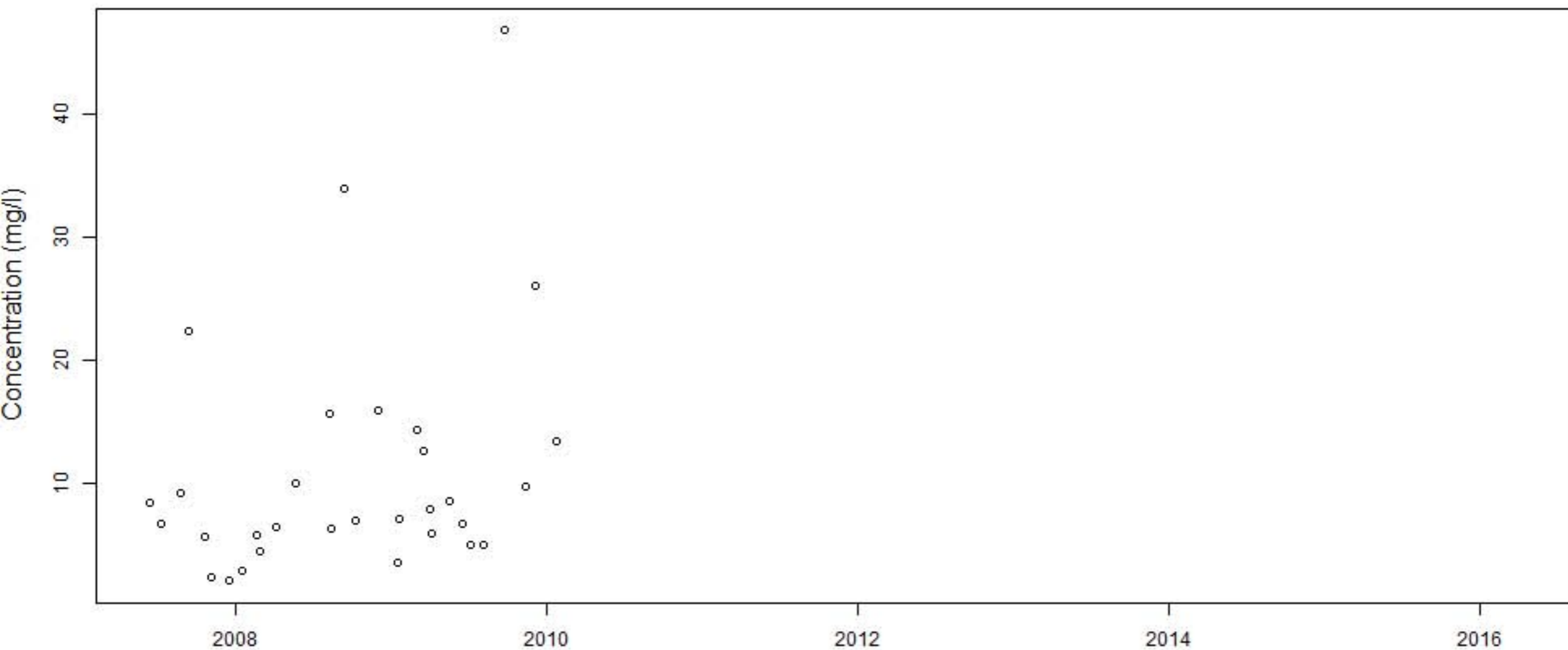


Timeseries of  
Total Suspended Solids  
Water Quality Data  
Collected at  
Beaufort County Stations

# BECY.1

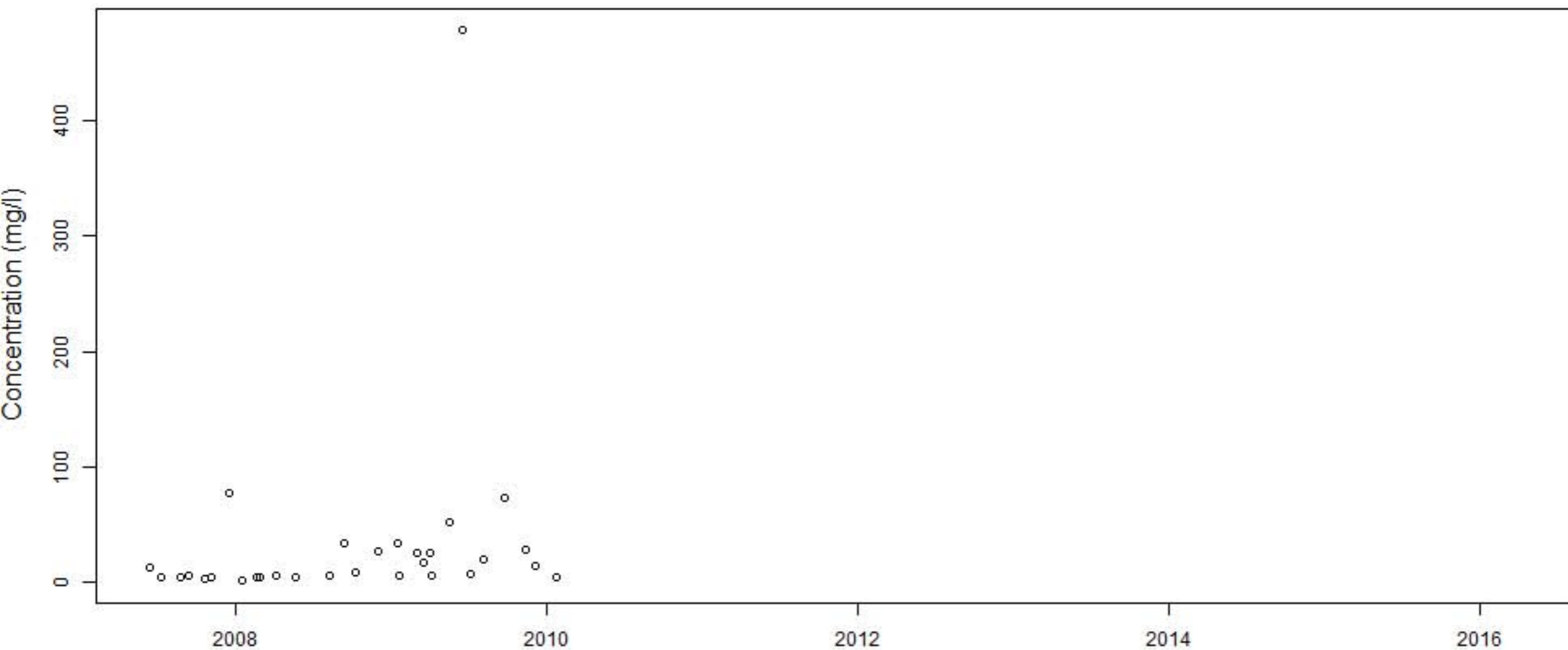


# BECY.10

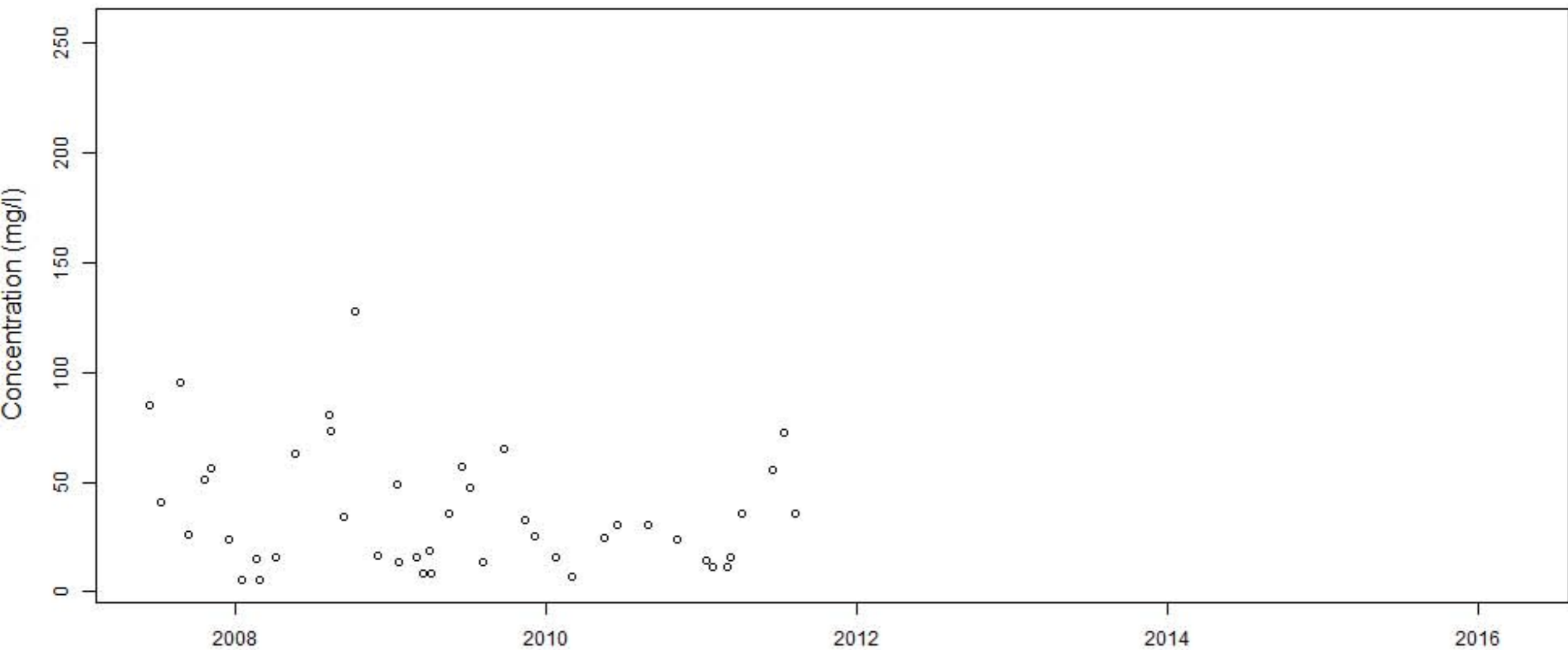




# BECY.11

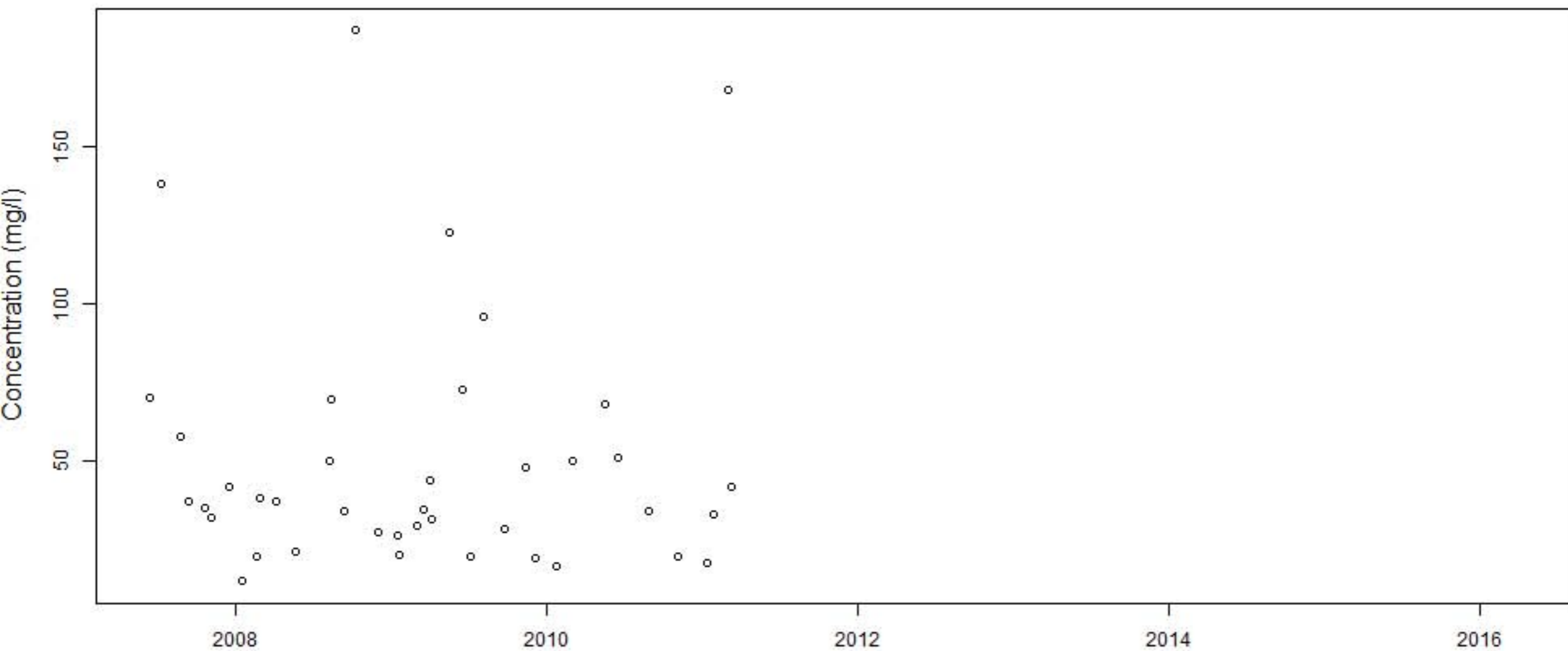


# BECY.12

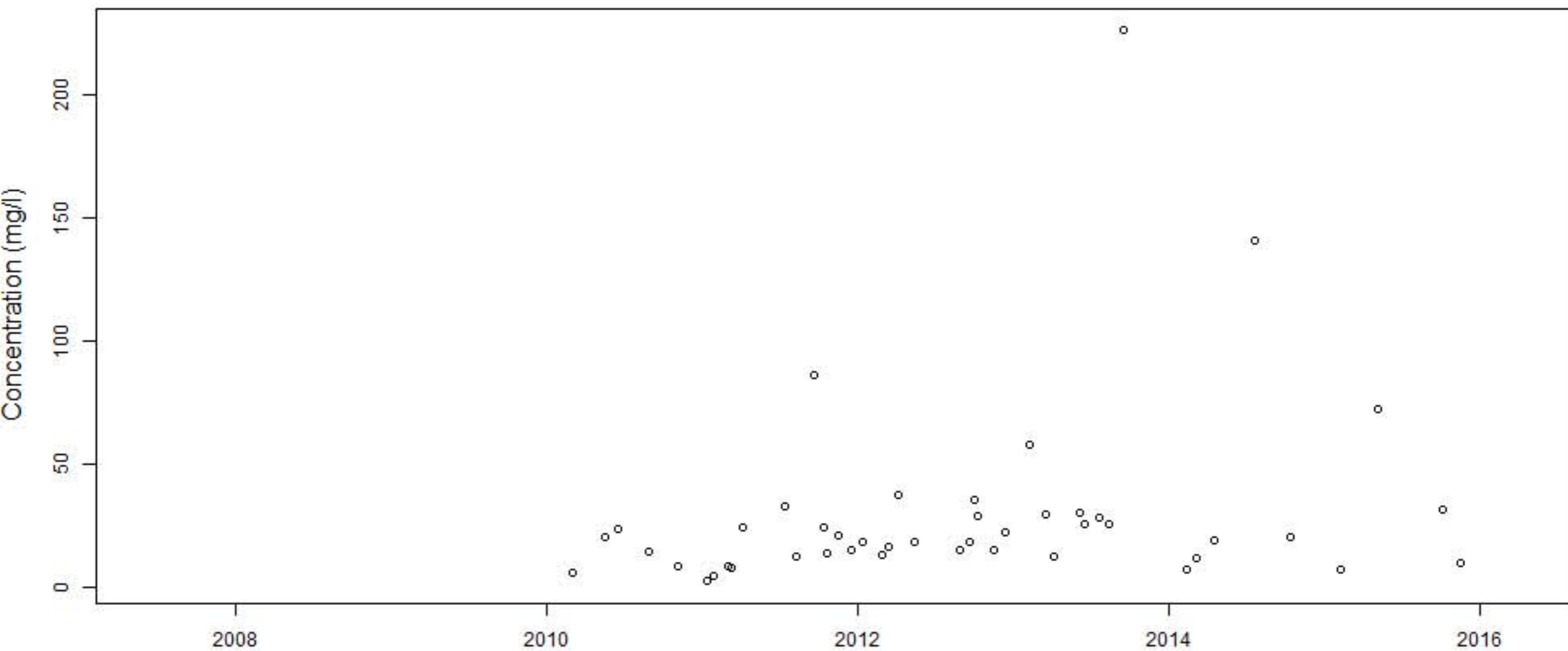




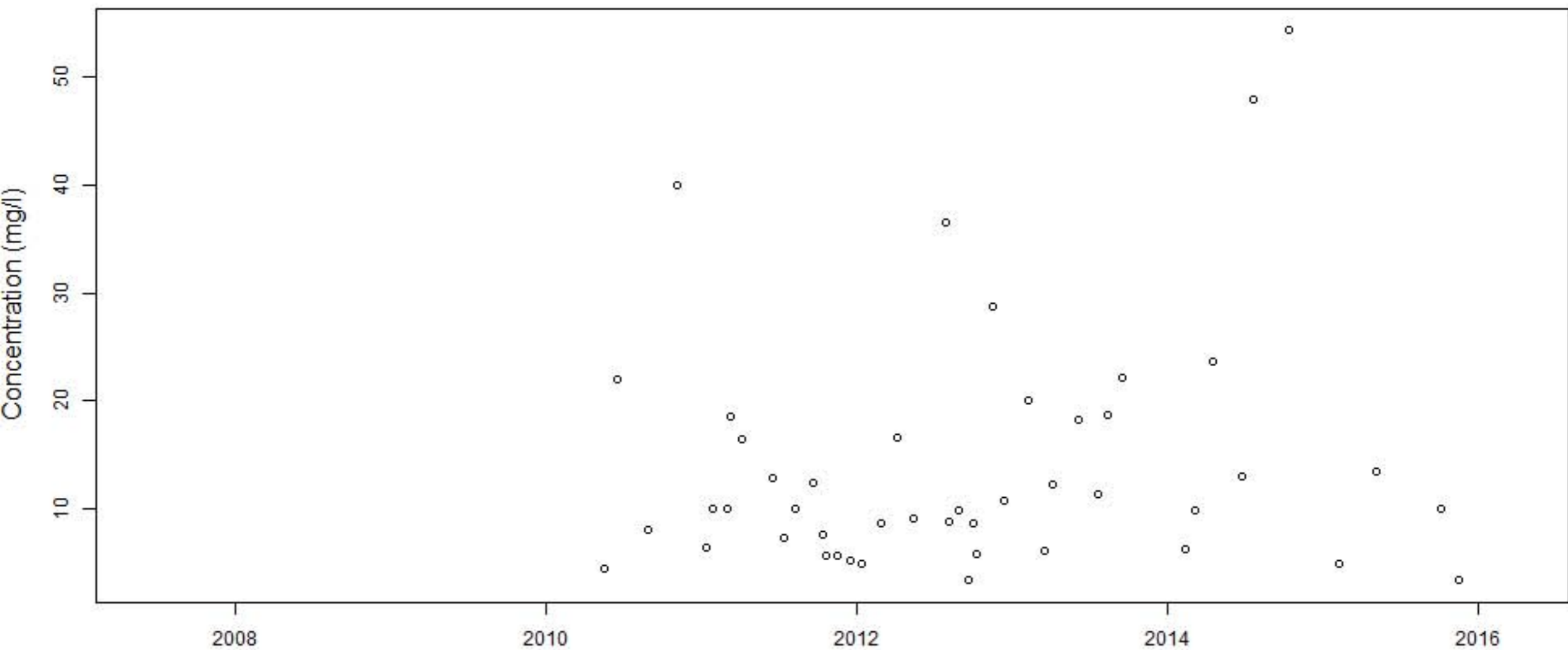
# BECY.14



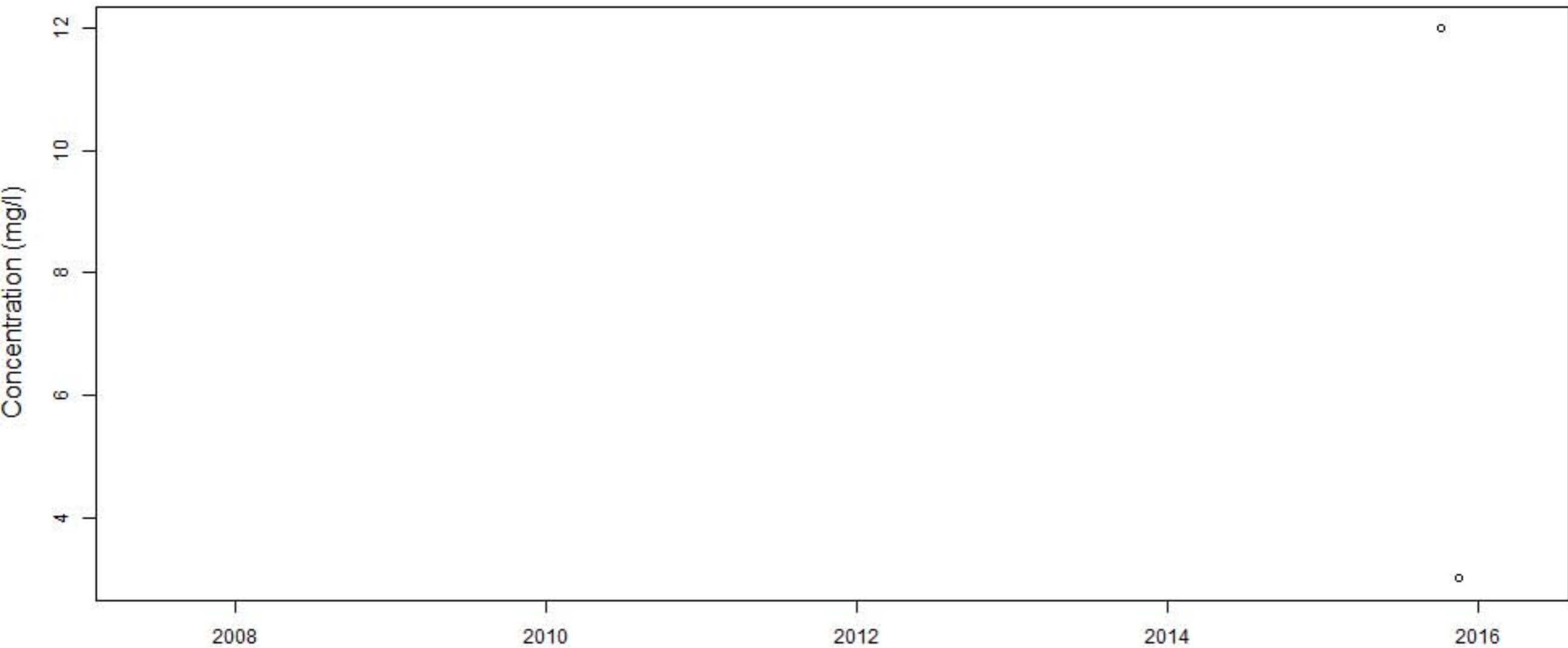
# BECY.15



# BECY.16



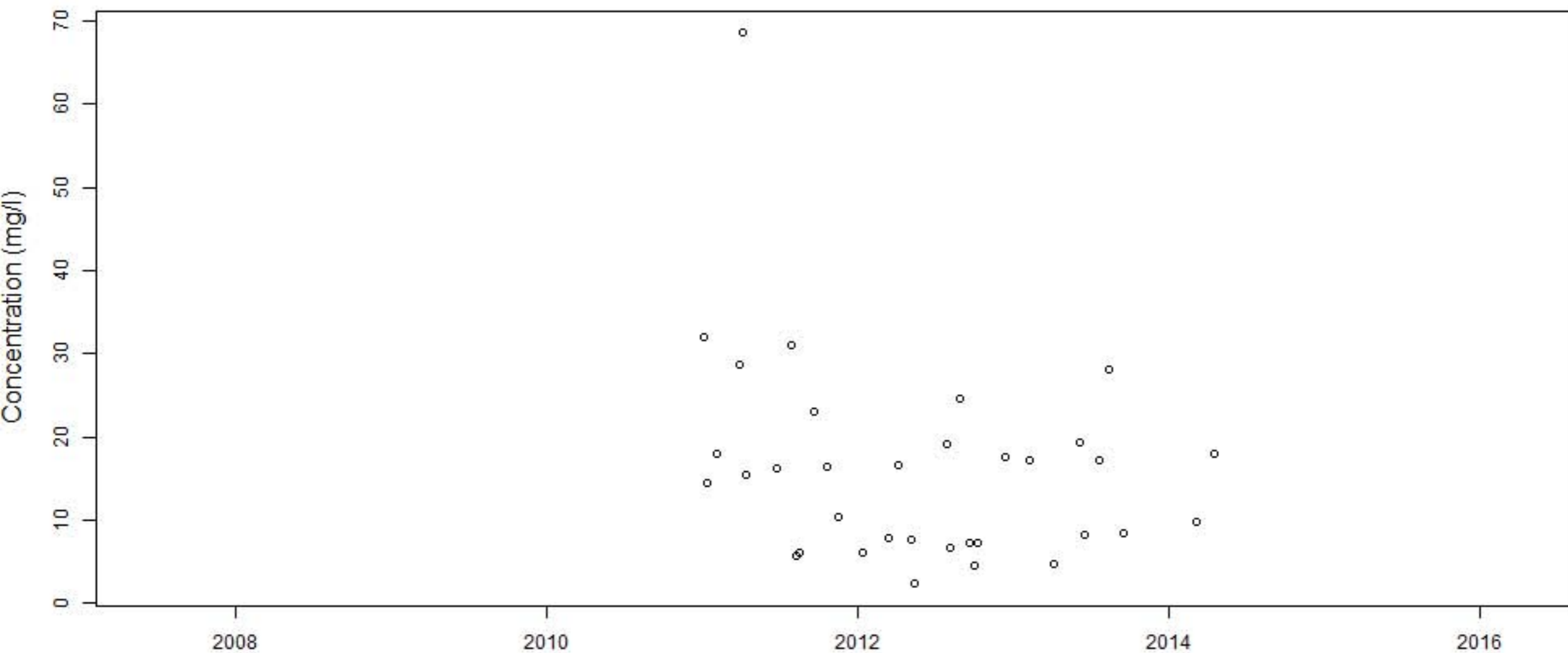
**BECY.17**



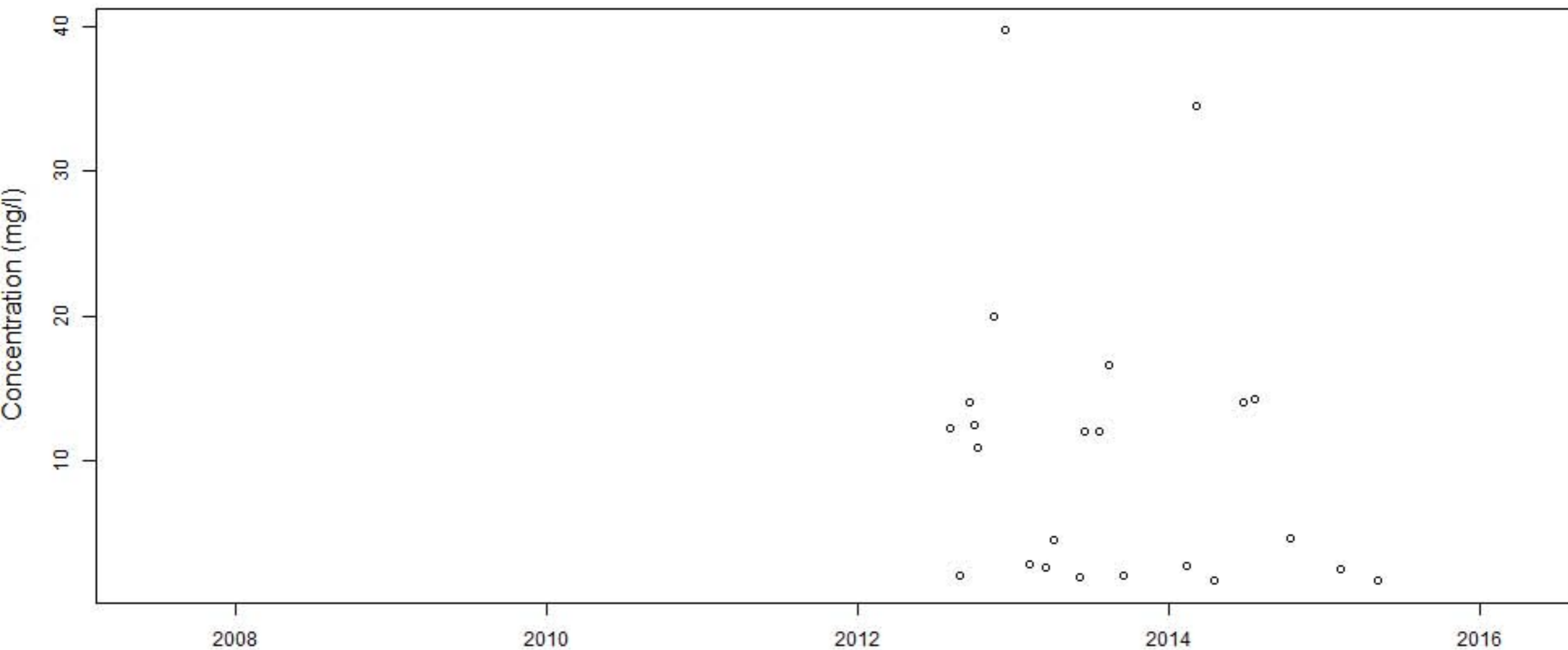




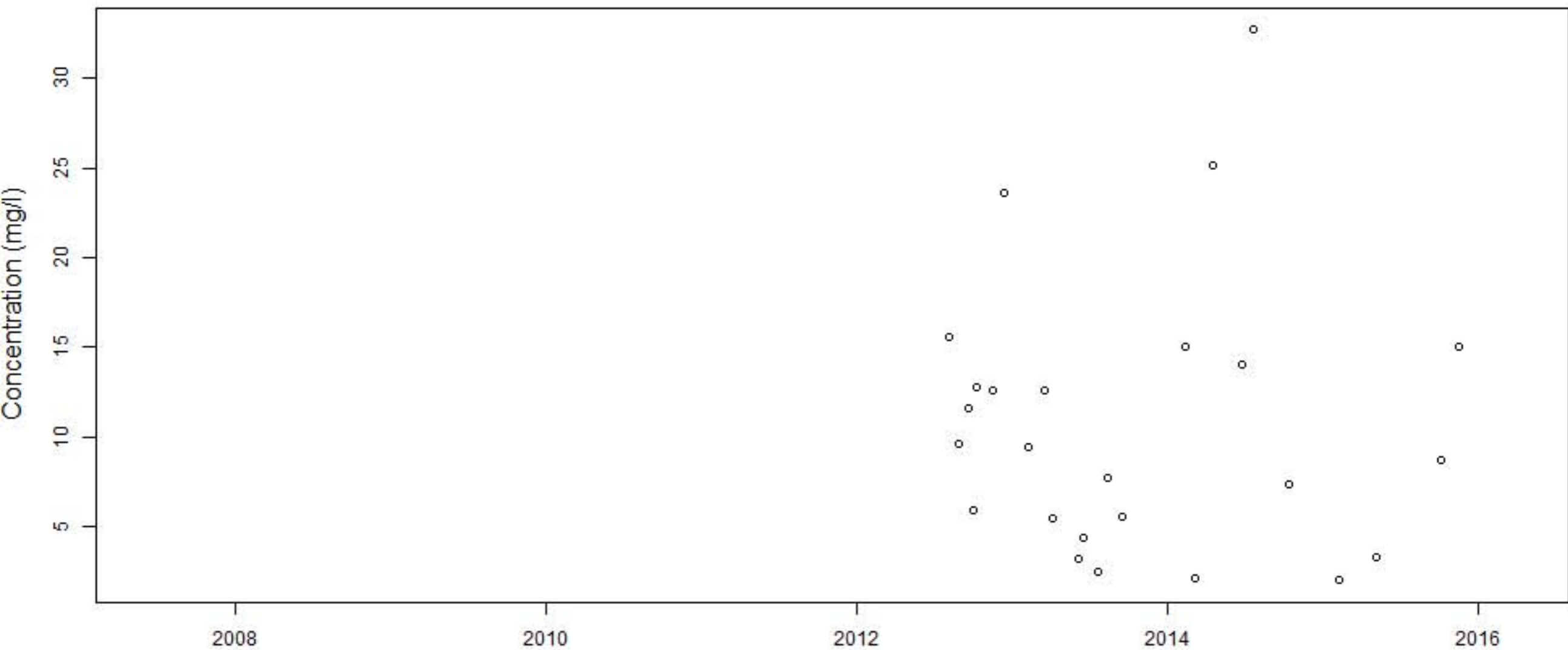
### BECY.17a.Grab



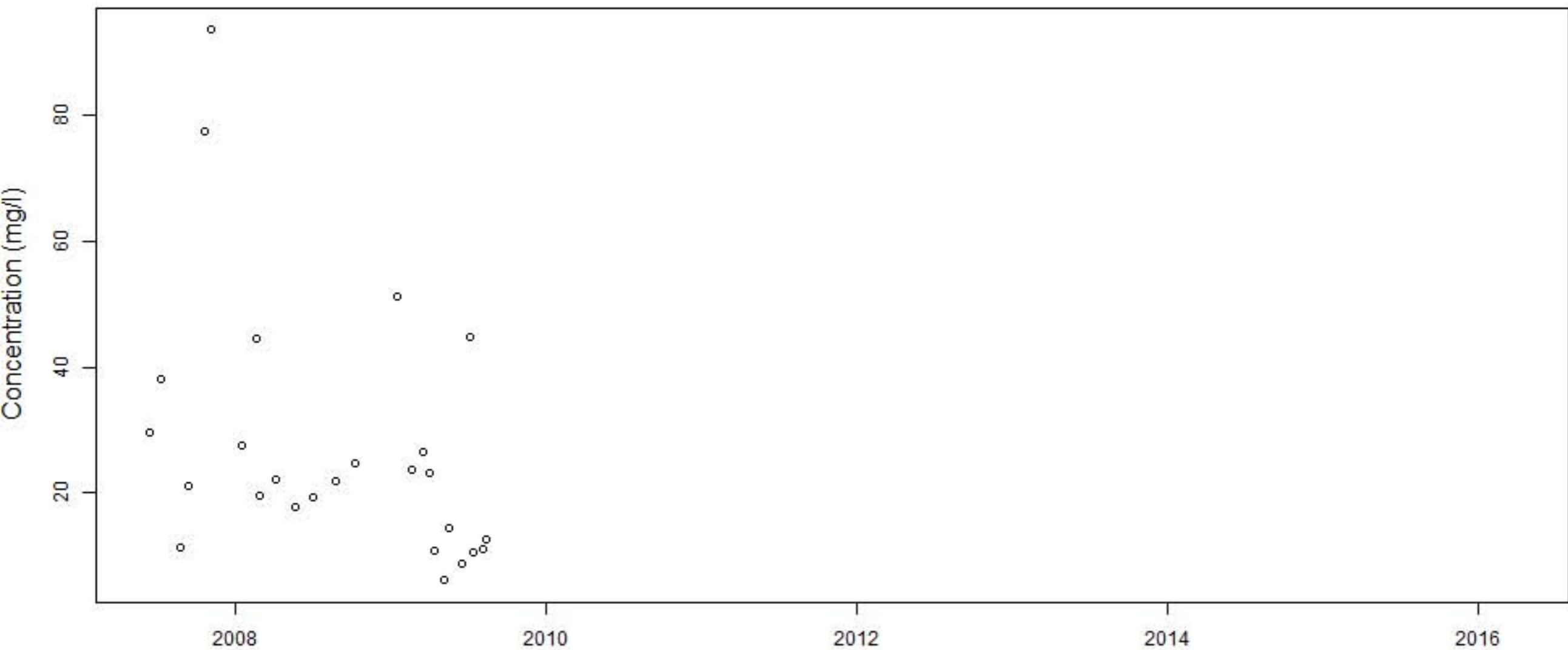
# BECY.18



# BECY.19

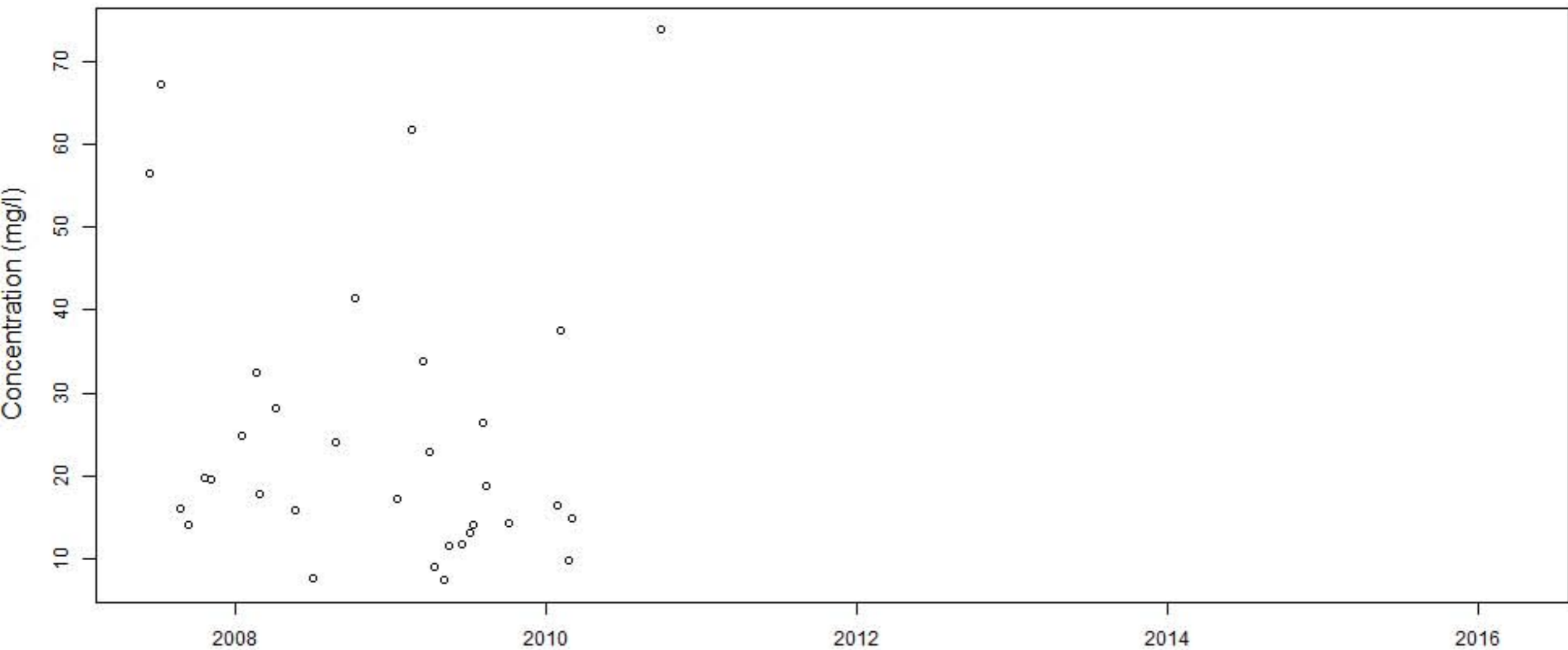


# BECY.1a.Comp

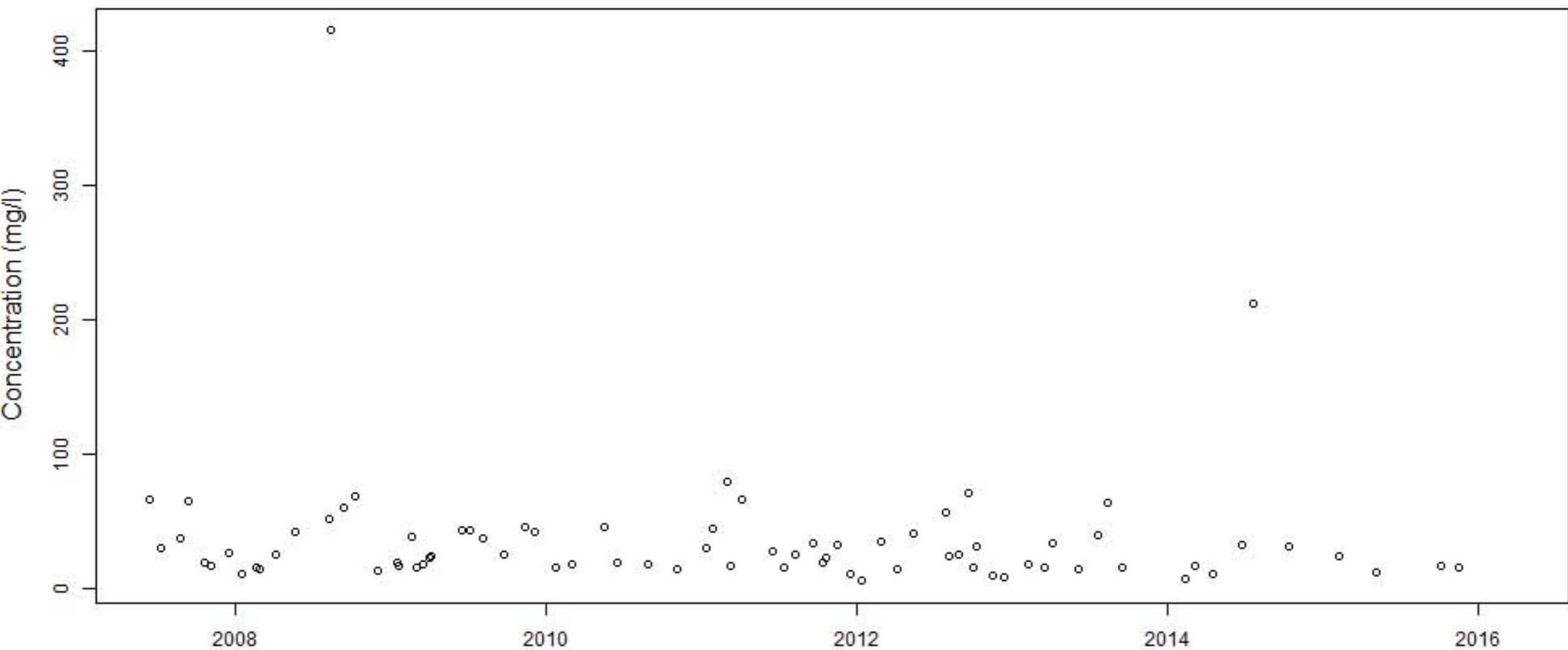




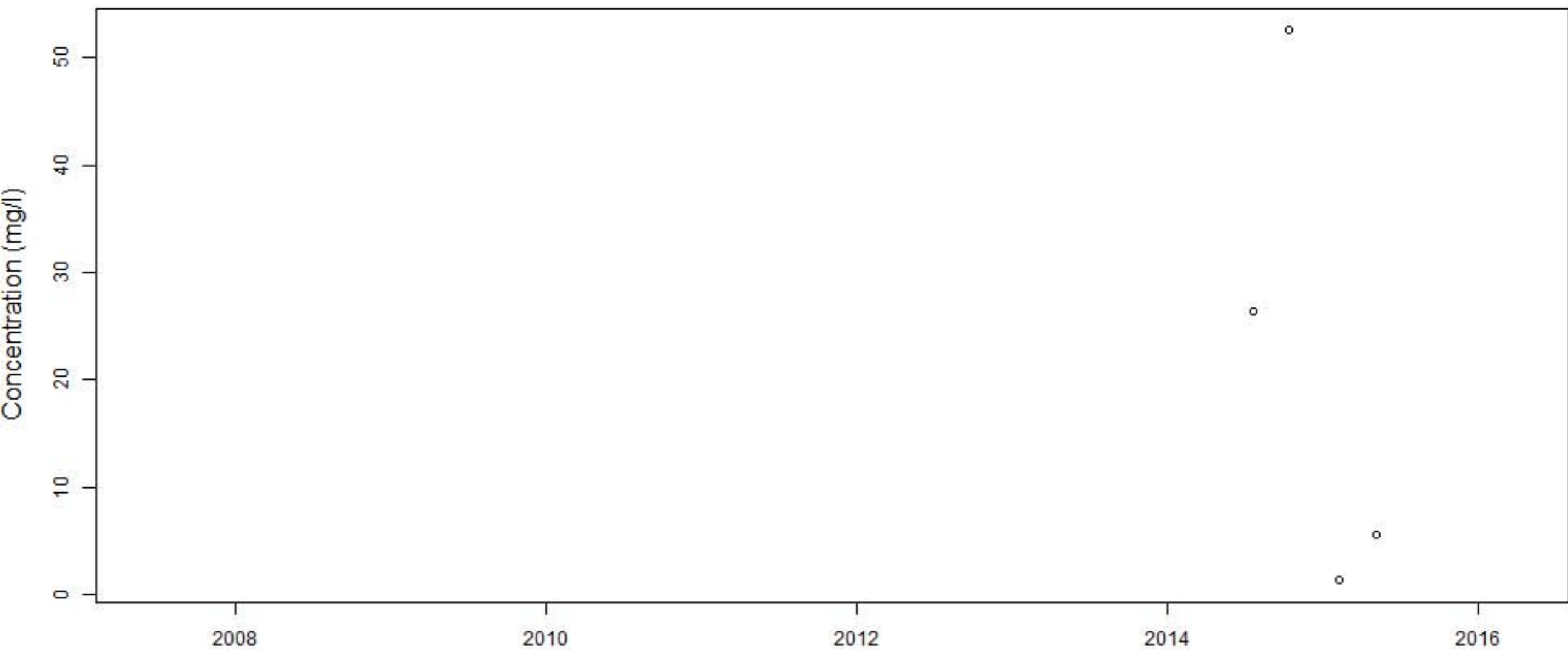
# BECY.1a.Grab



# BECY.2

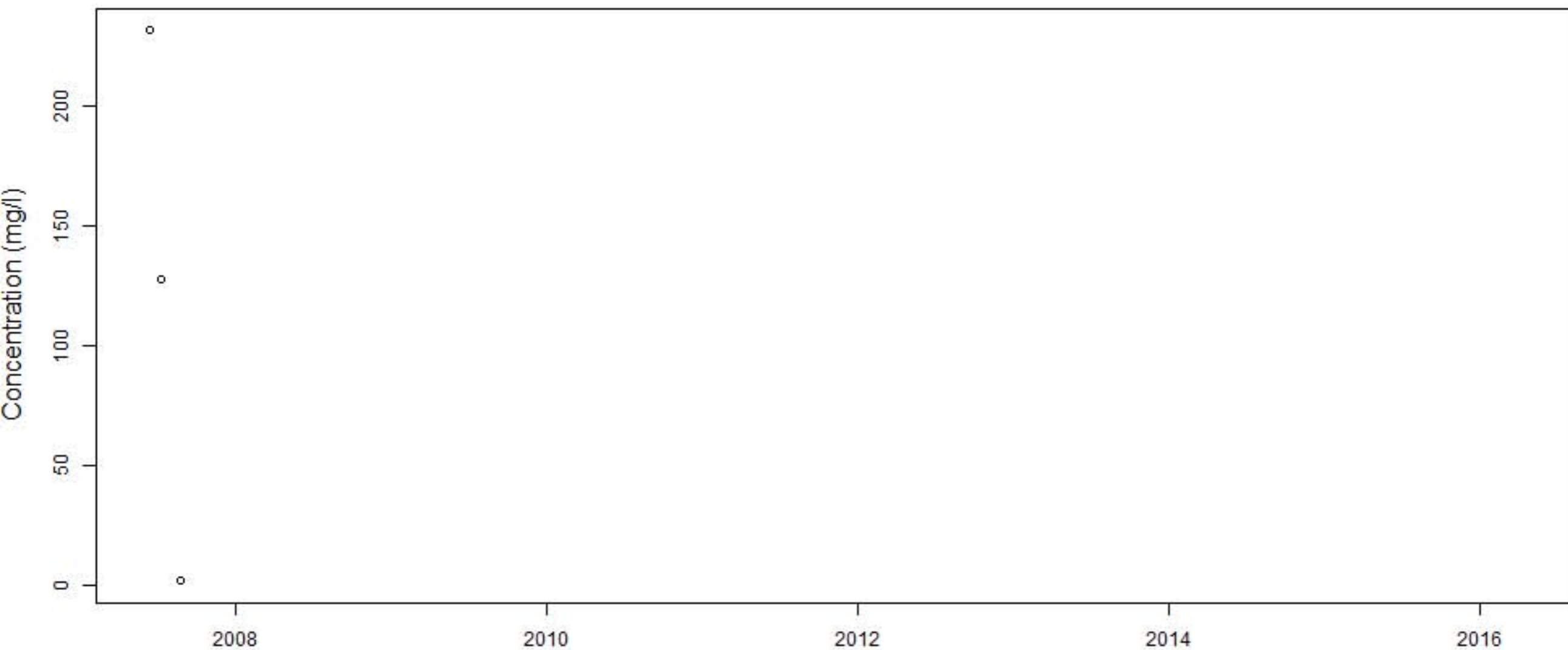


# BECY.20

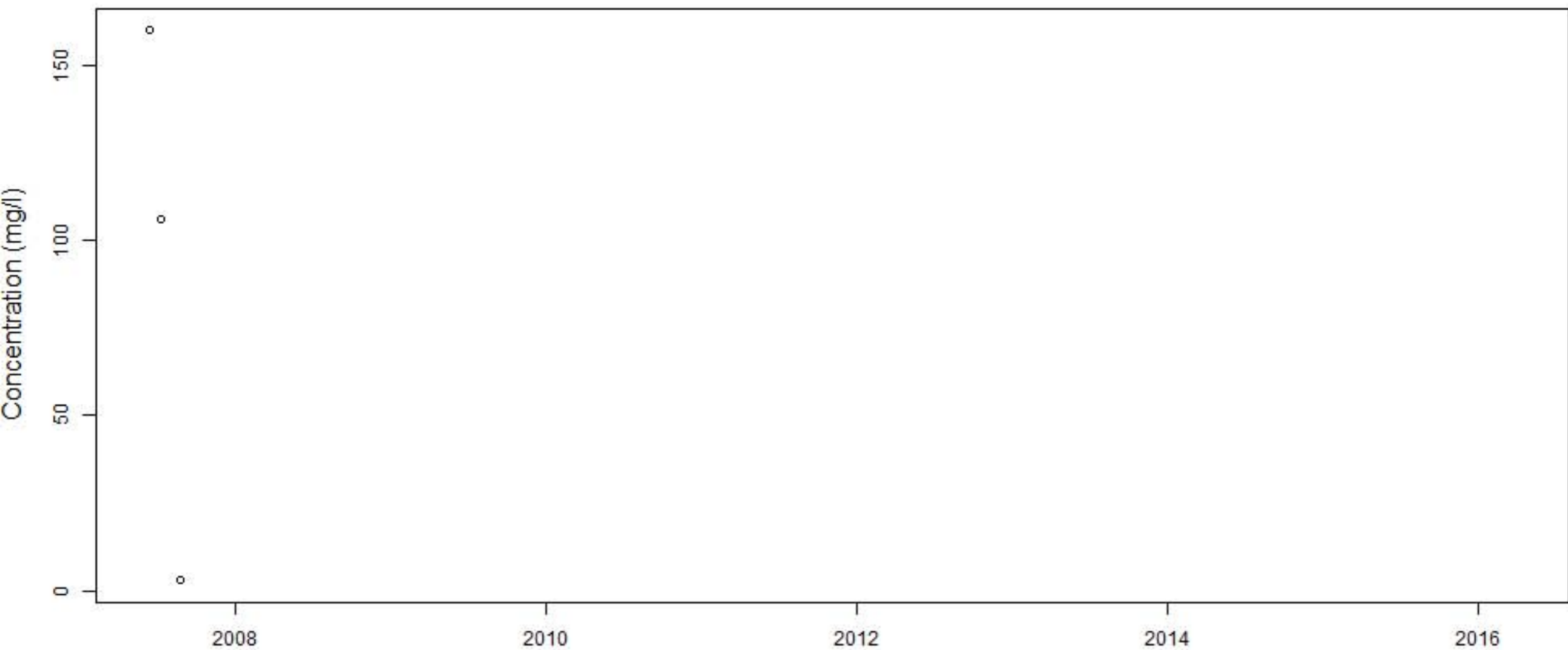




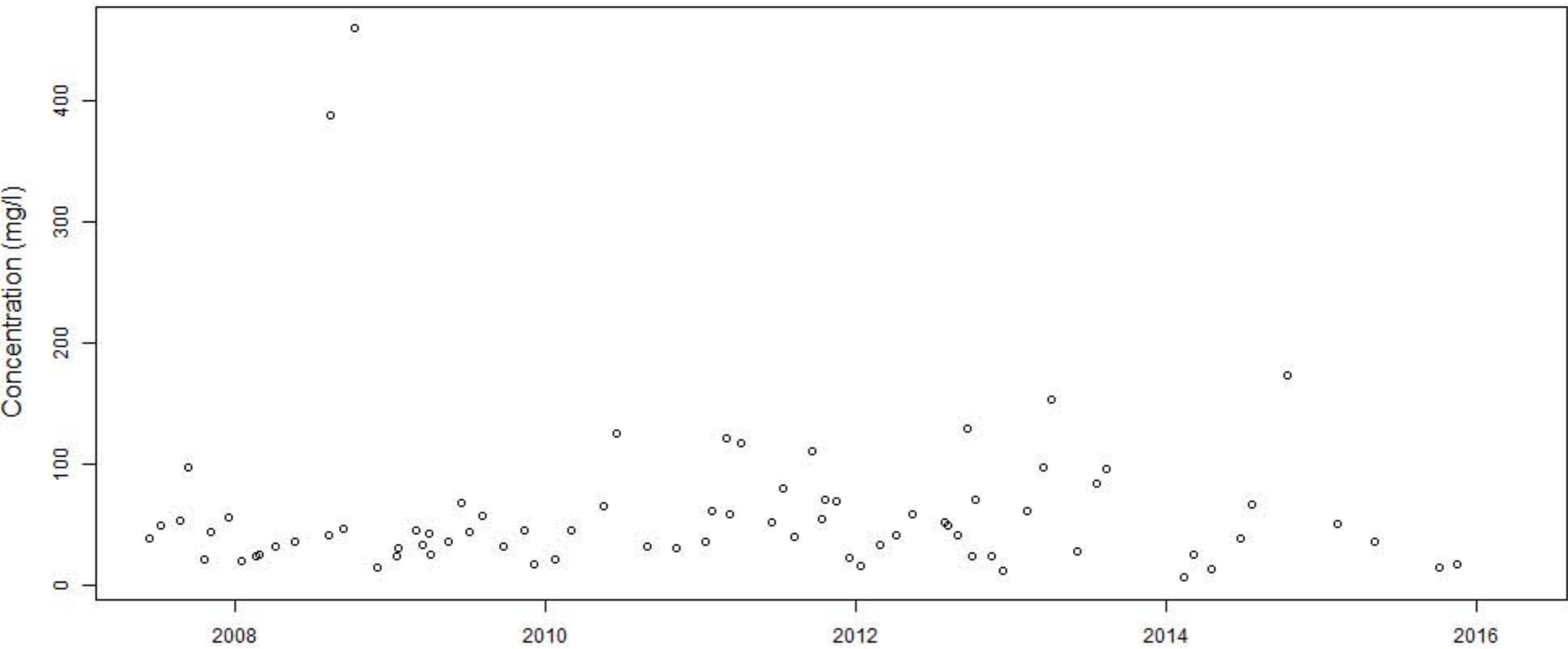
# BECY.2a.Comp



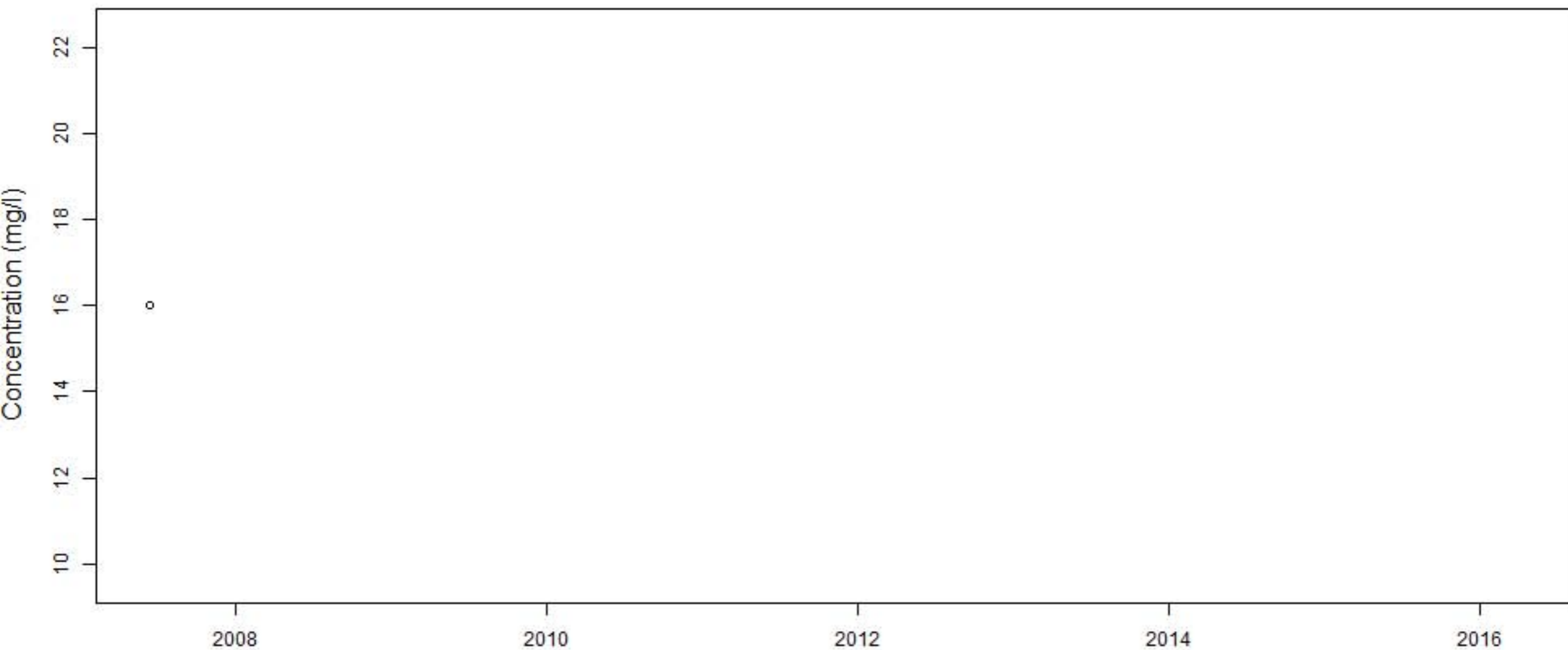
# BECY.2a.Grab



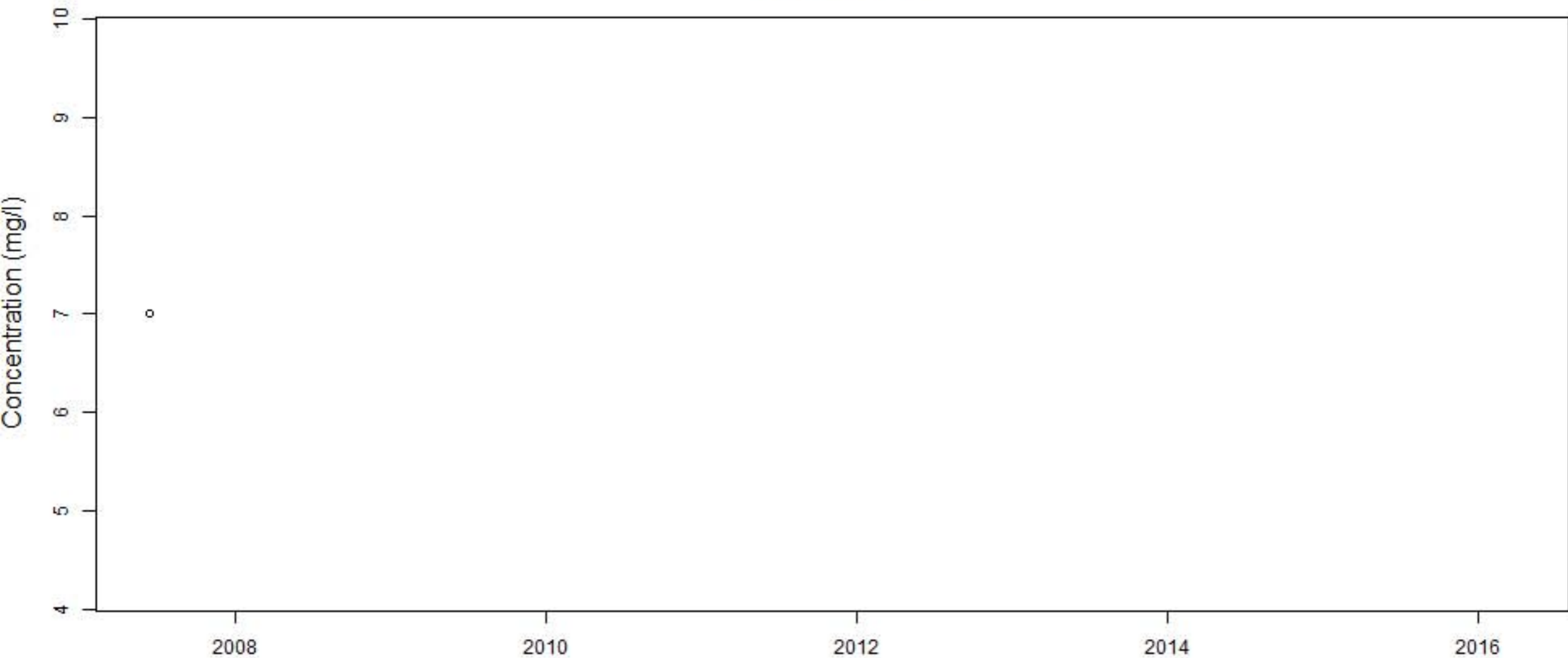
# BECY.3



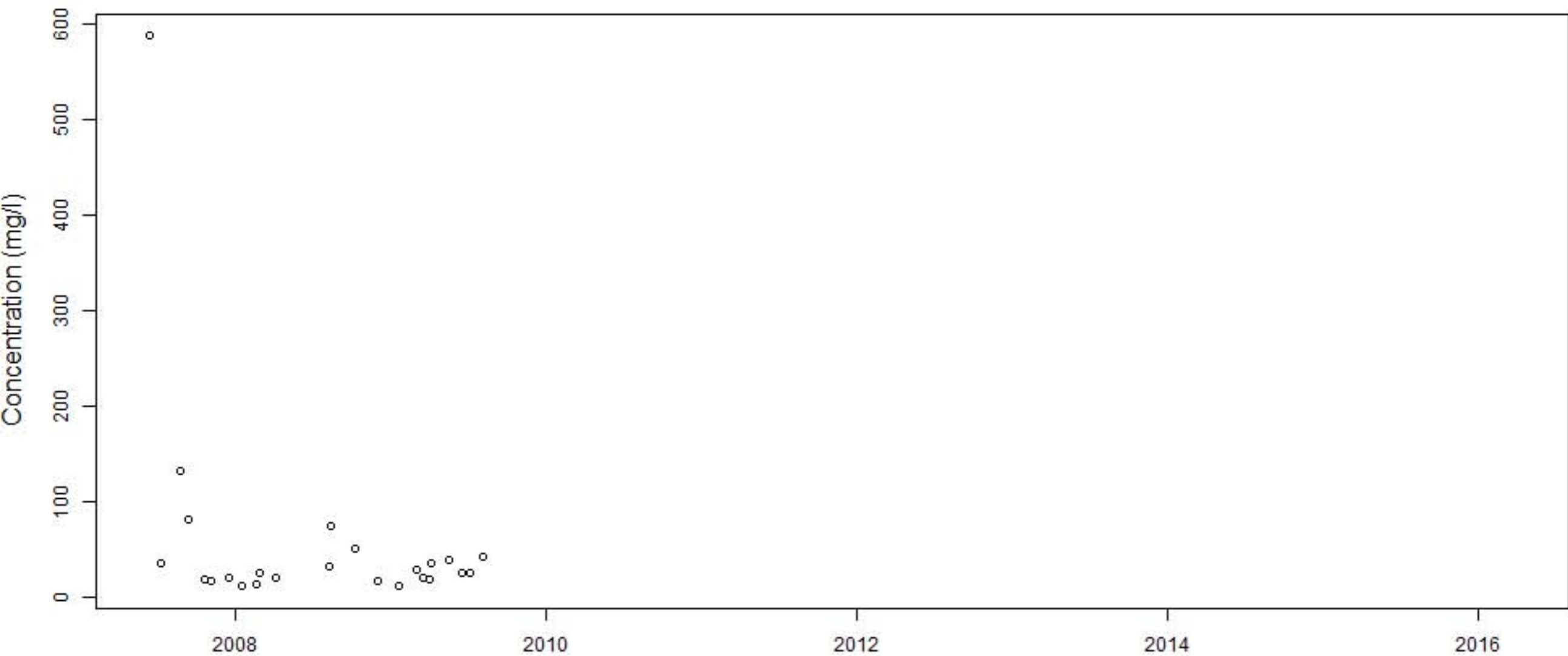
# BECY.3a.Comp



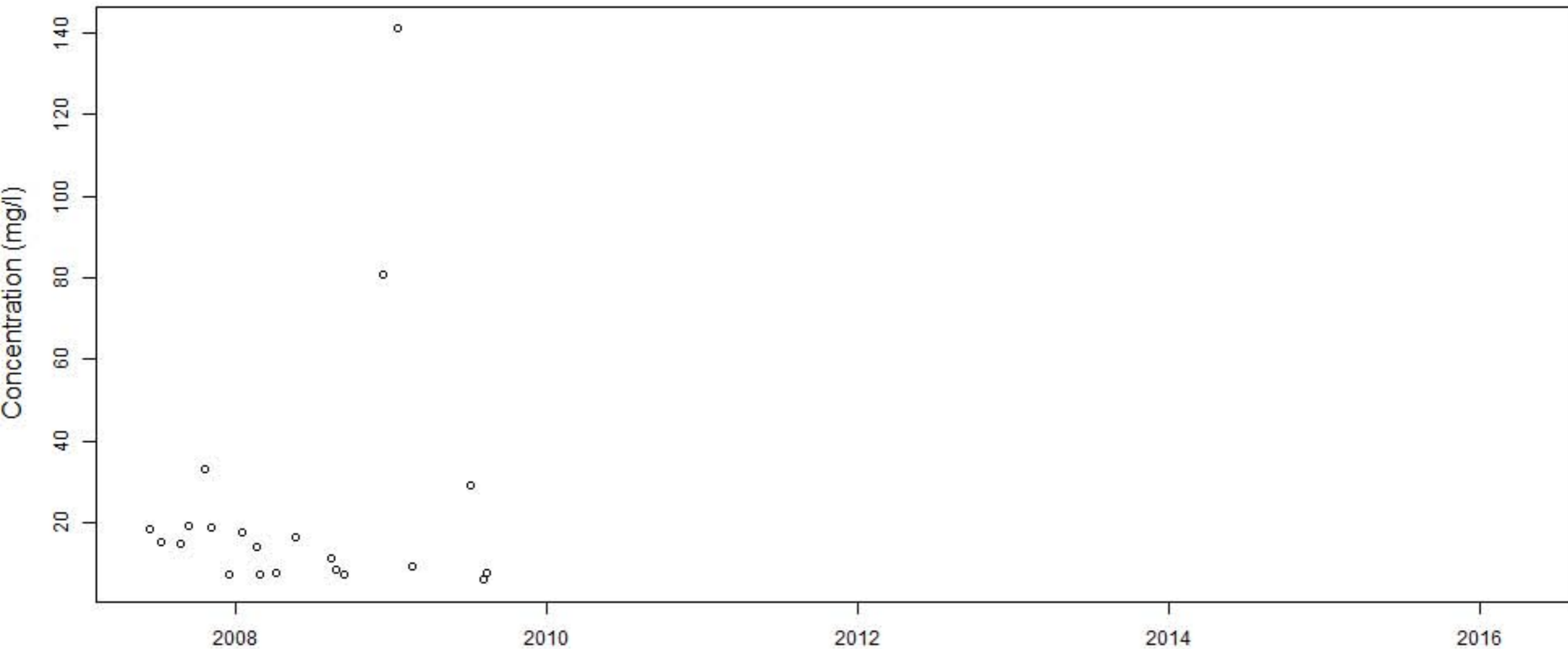
# BECY.3a.Grab



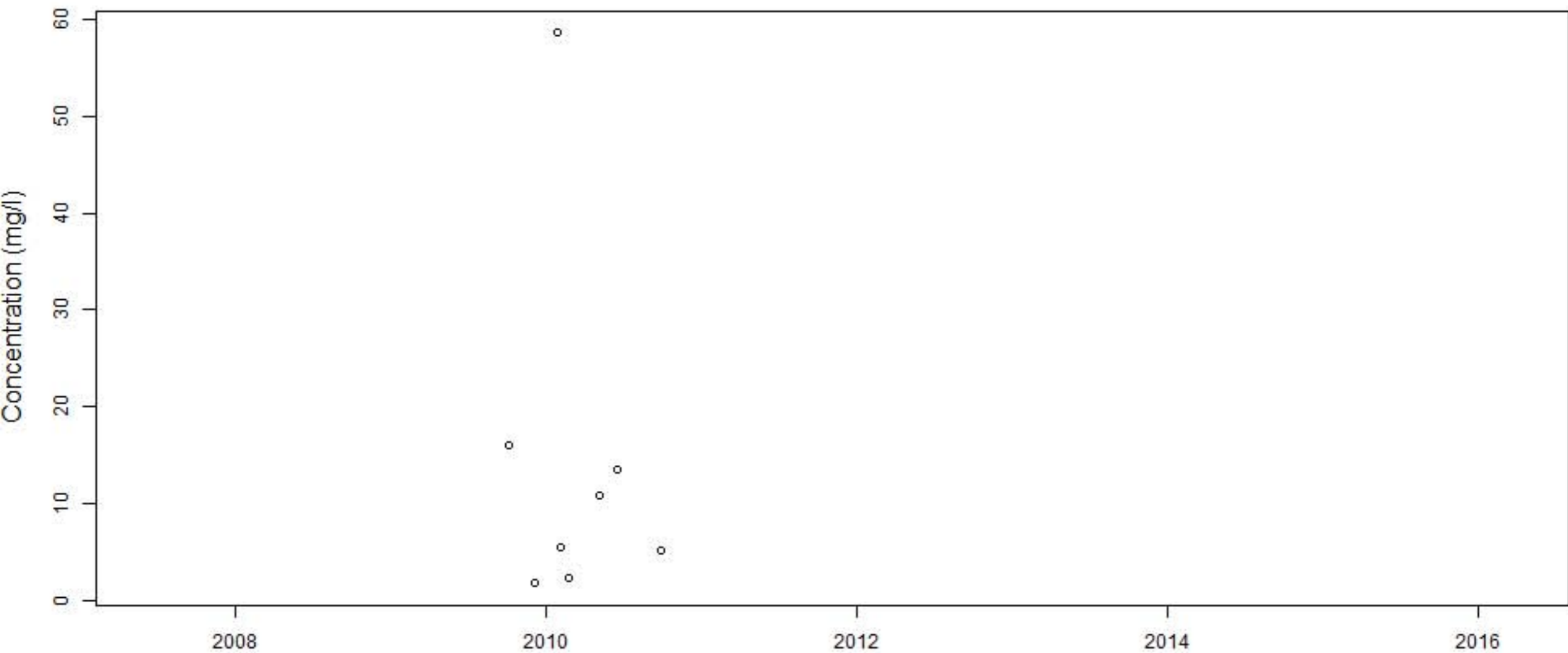
# BECY.4



BECY.4a.Comp

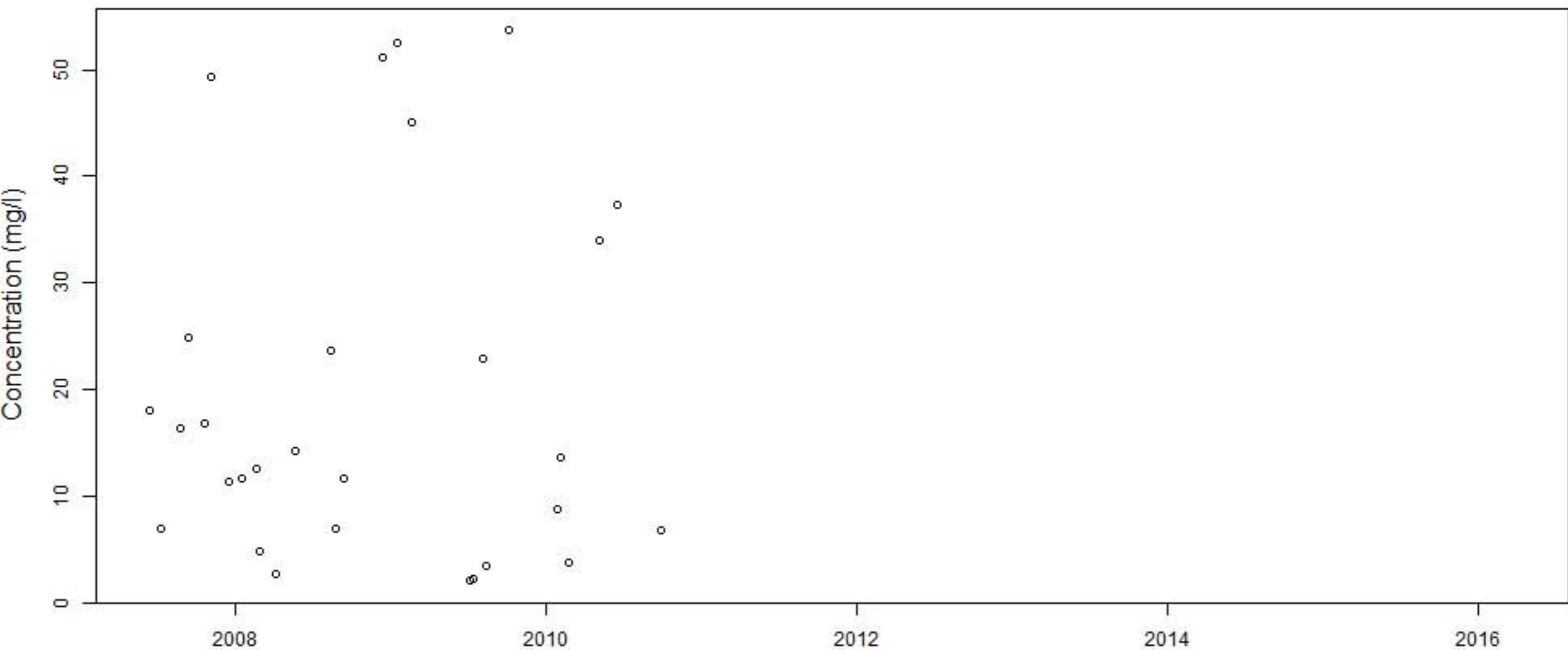


### BECY.4a.Grab.after

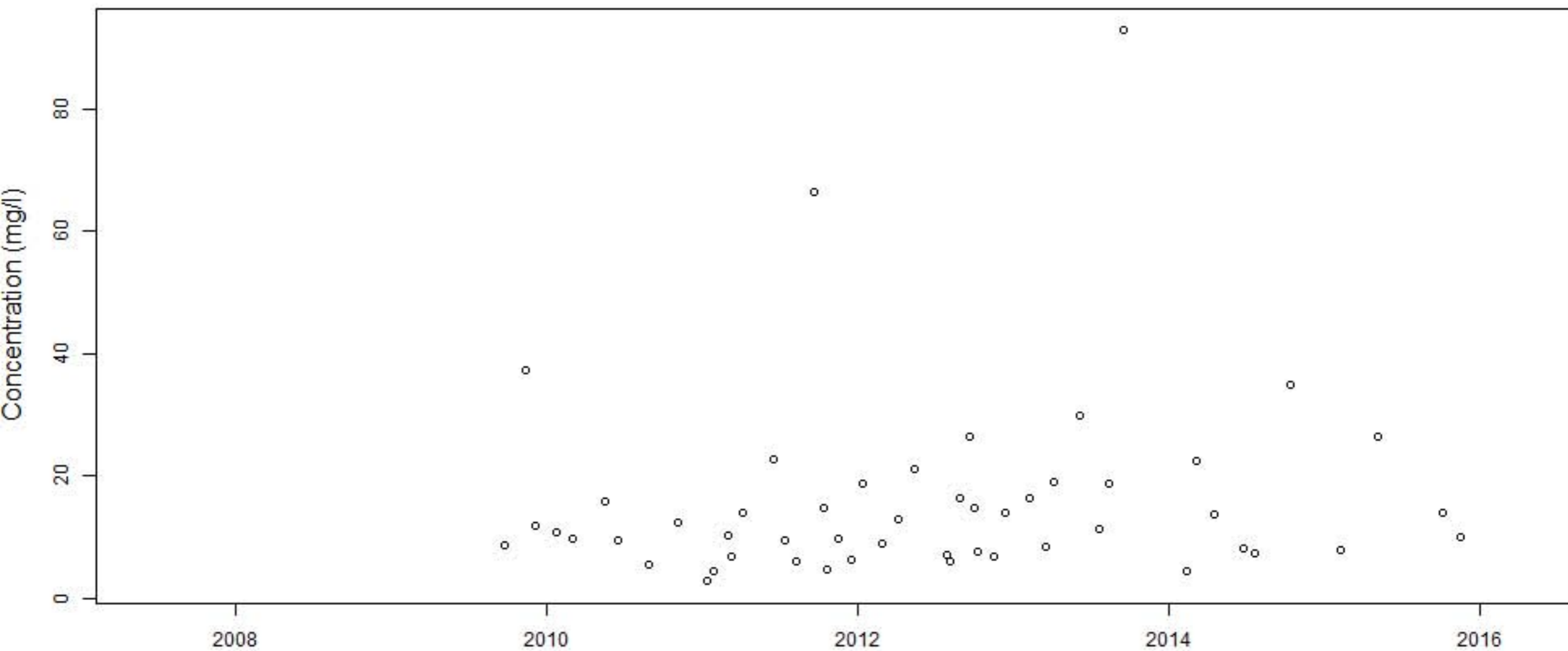




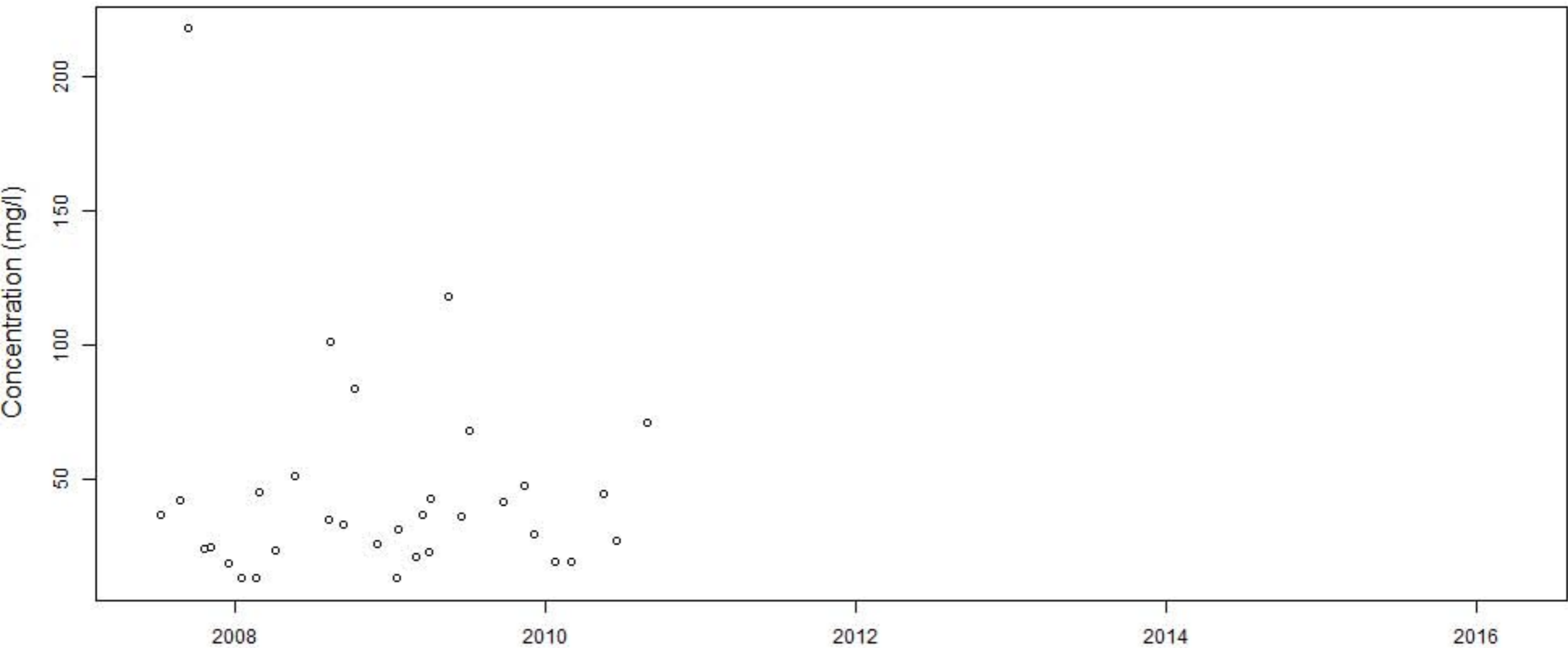
# BECY.4a.Grab



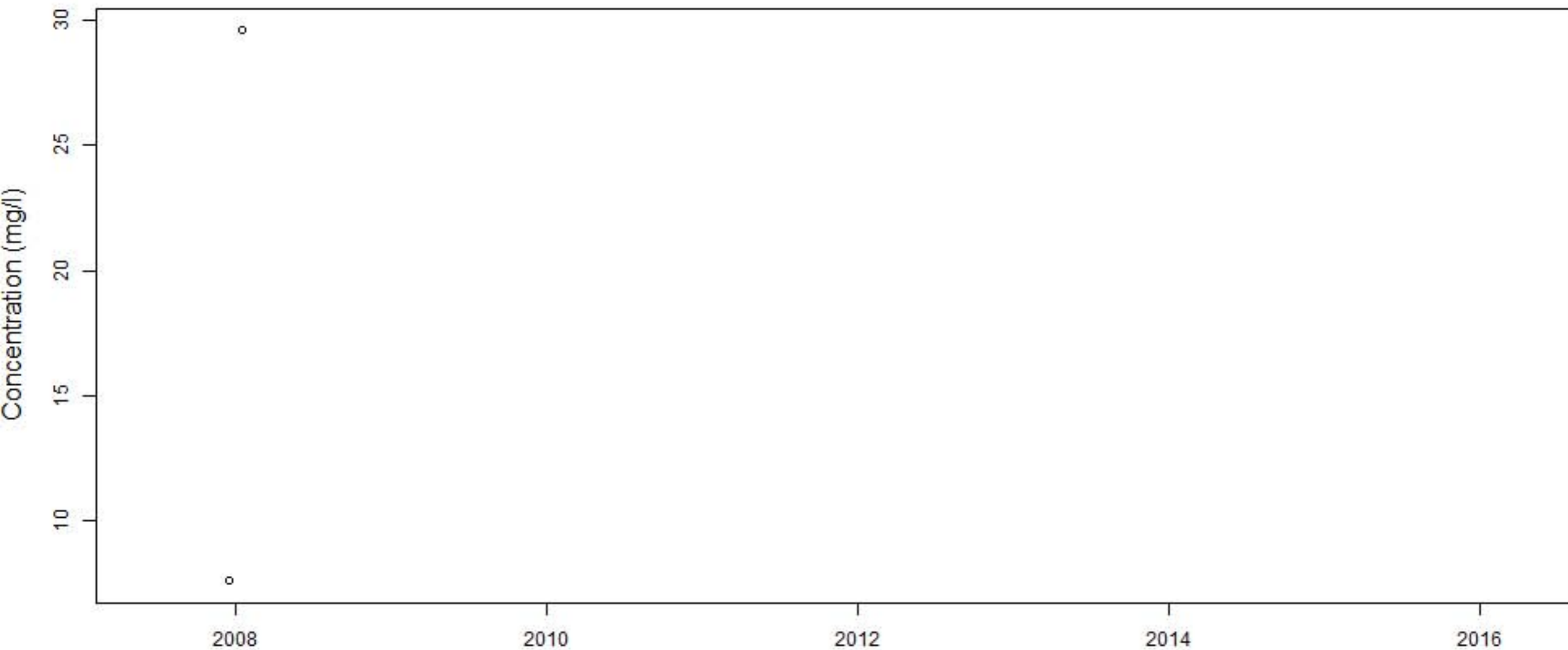
# BECY.4r



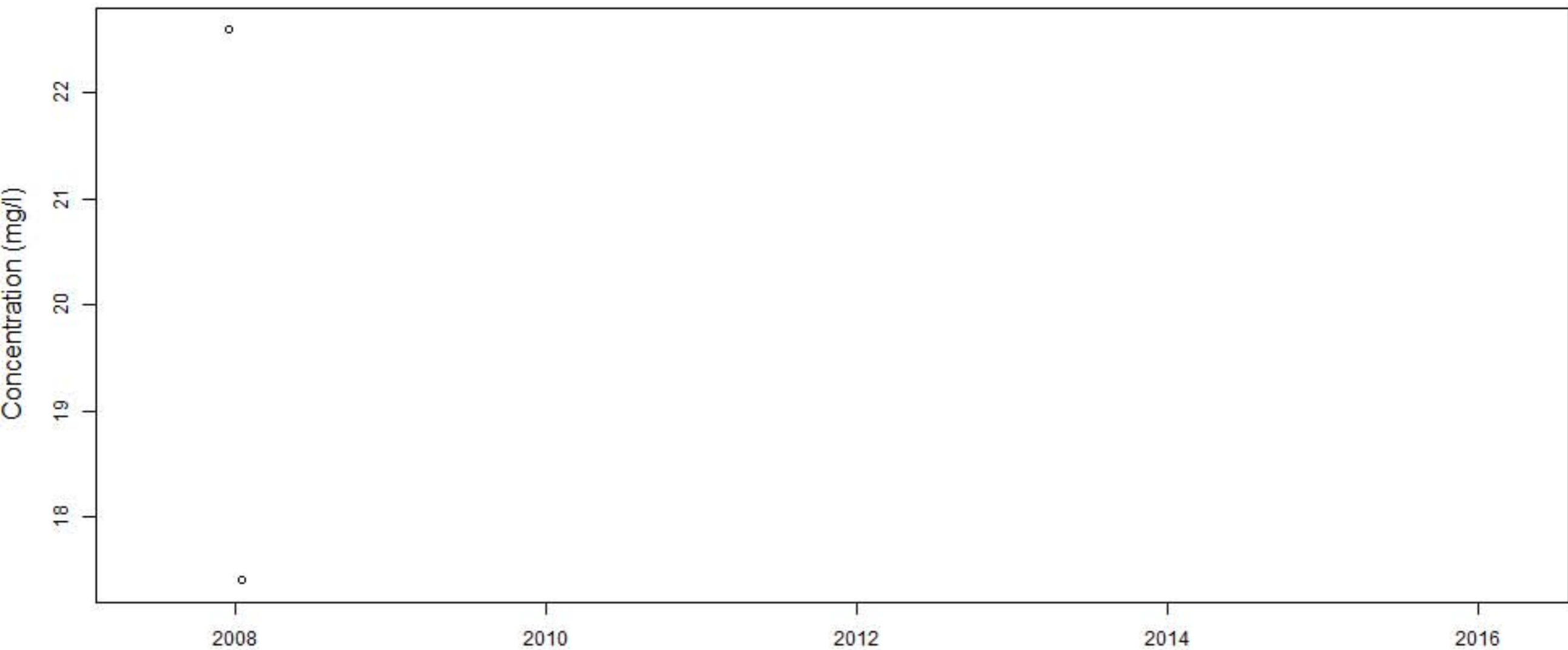
# BECY.5



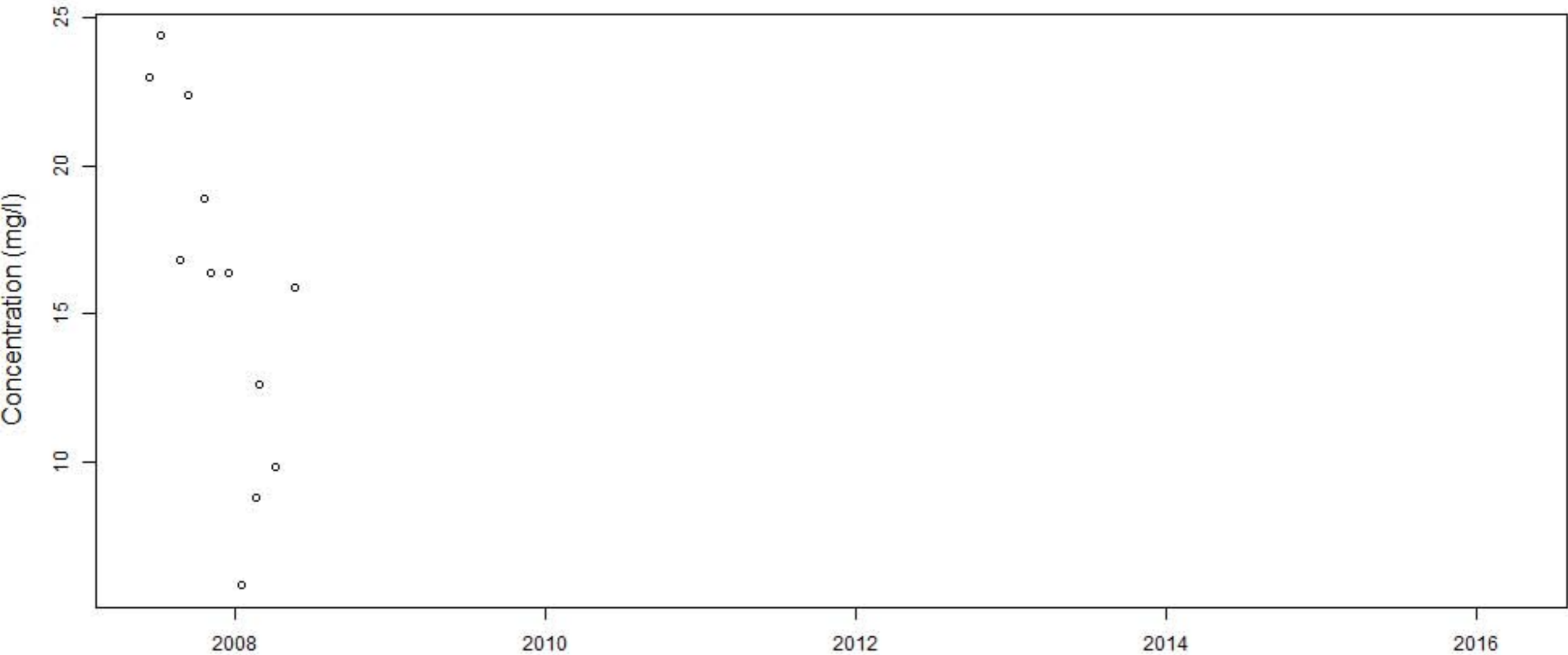
# BECY.5A.Comp



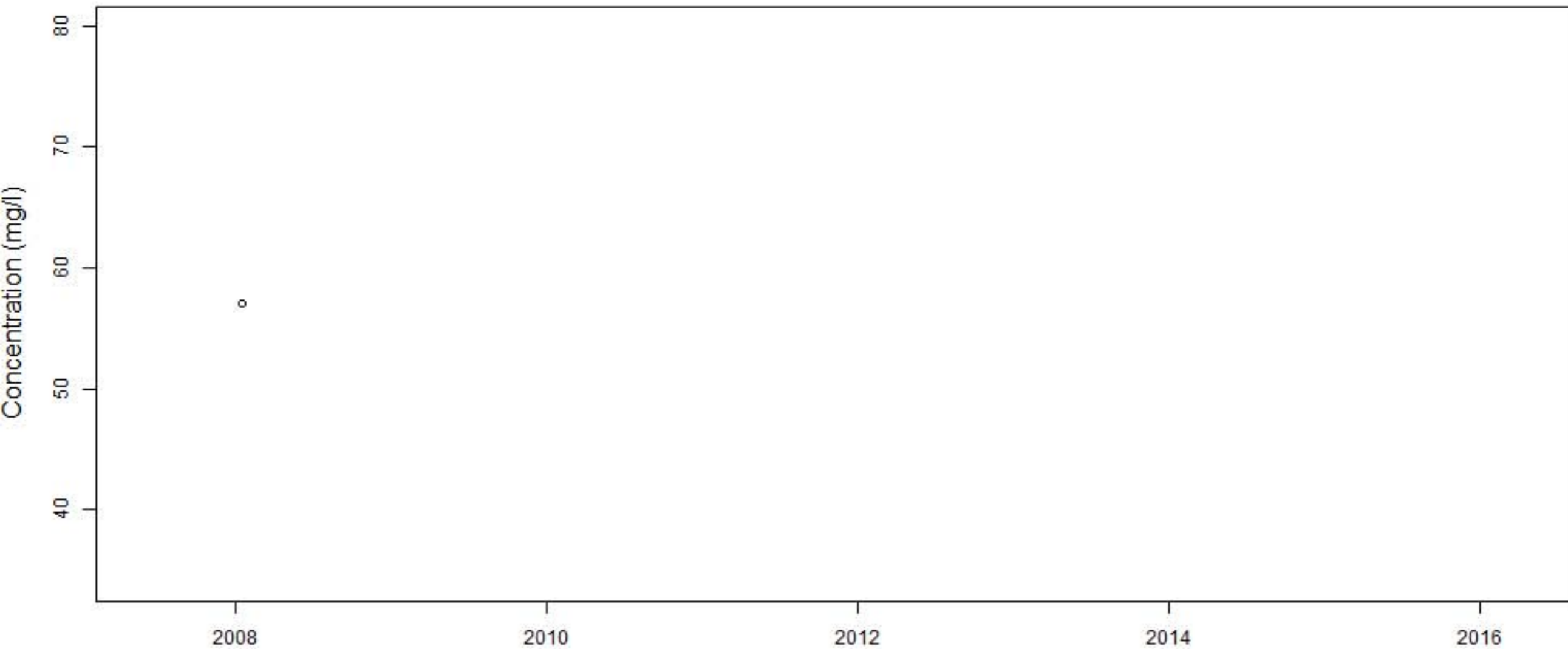
# BECY.5A.Grab



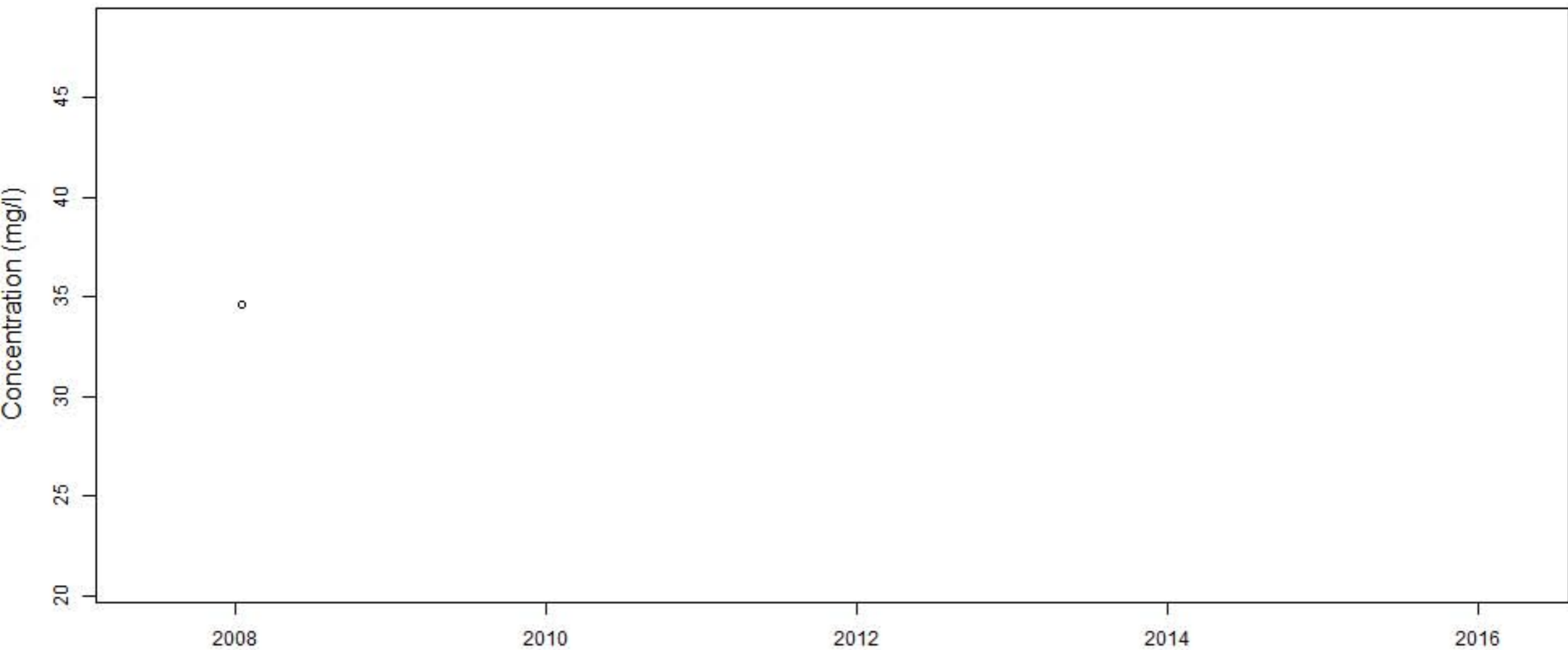
# BECY.6



# BECY.6A.Comp

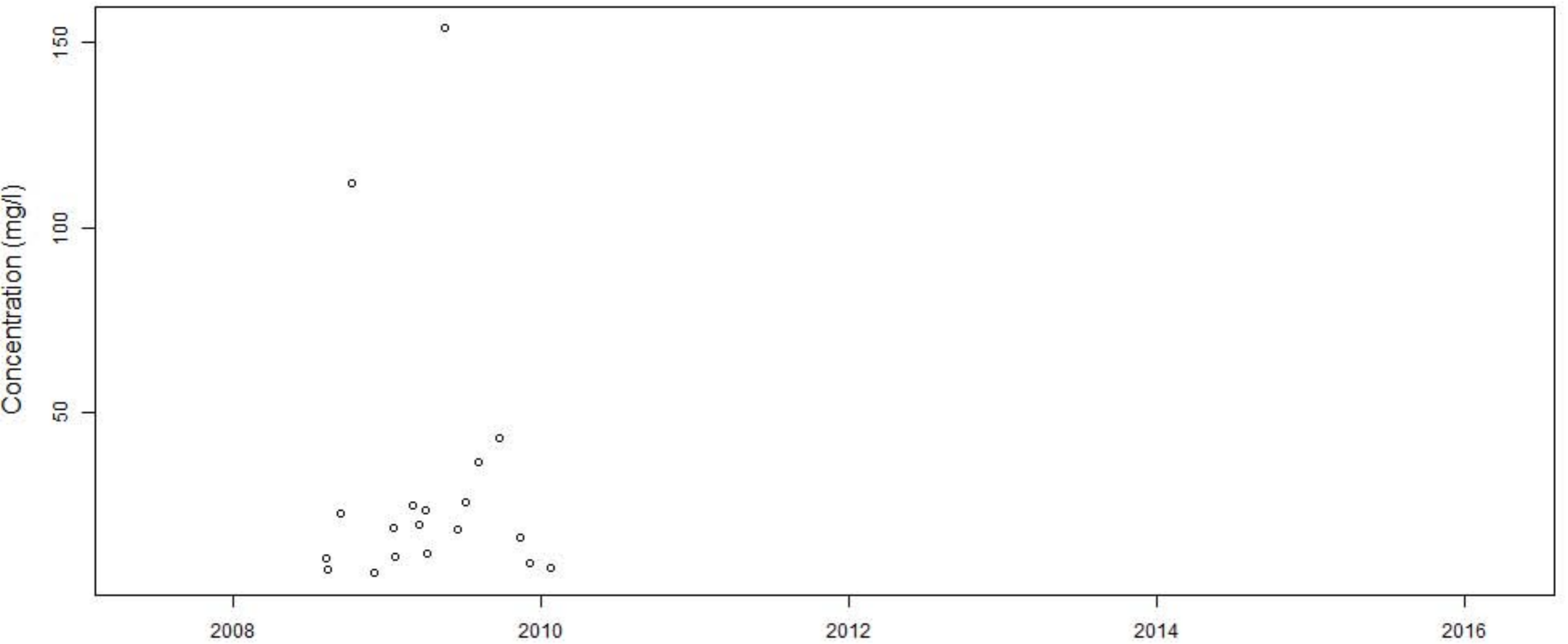


# BECY.6A.Grab

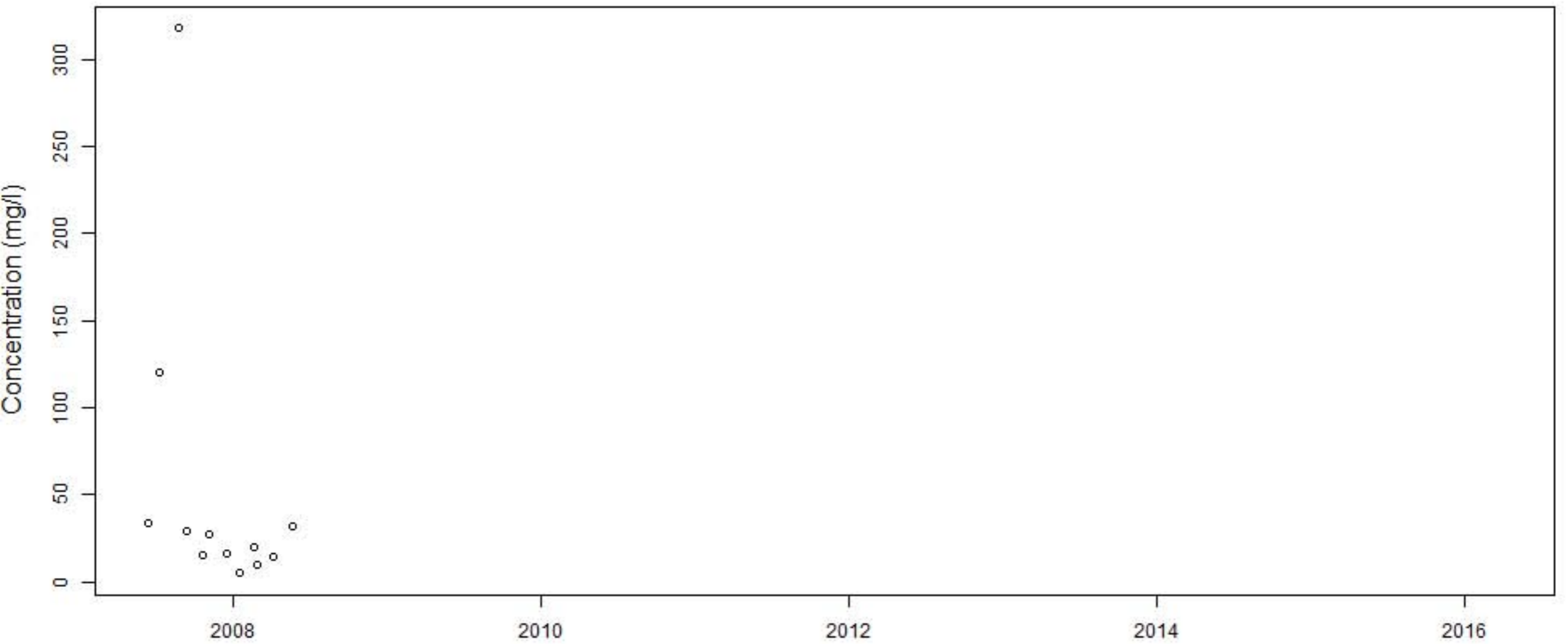




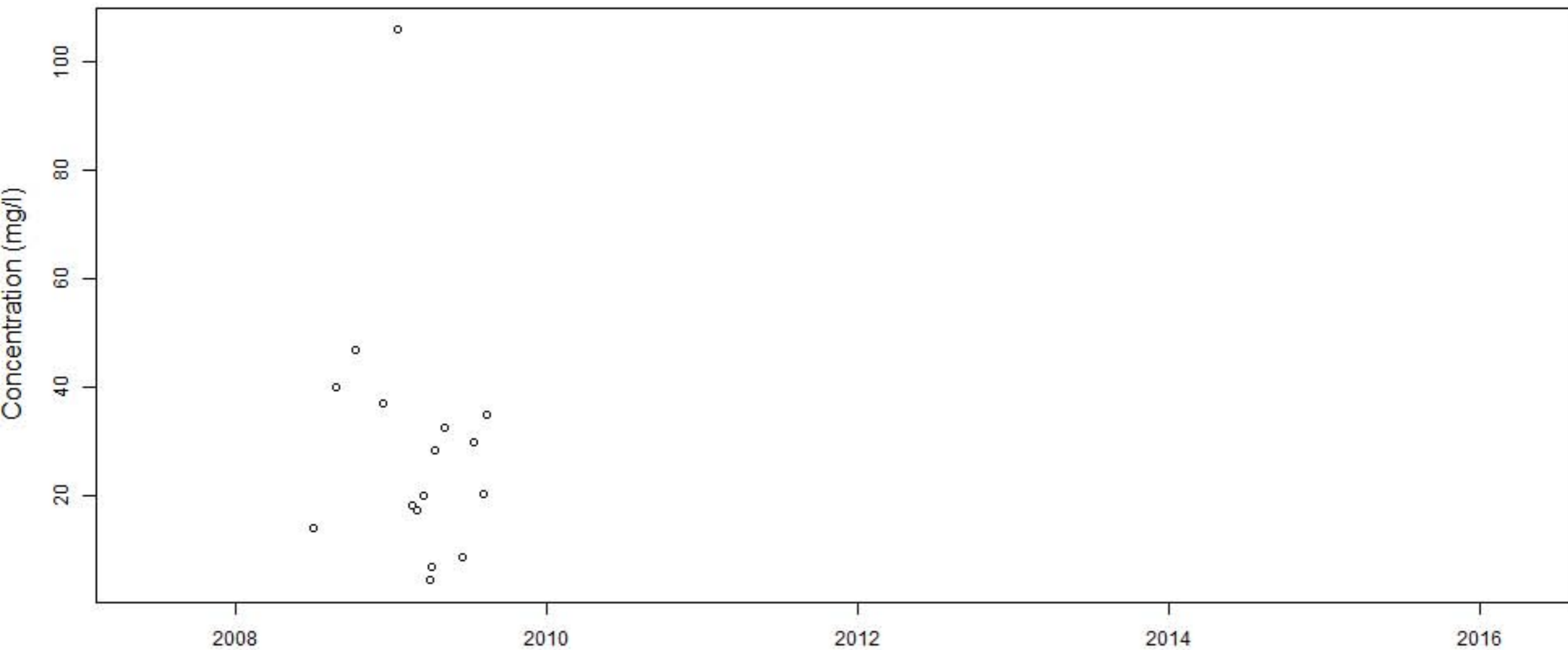
# BECY.6r



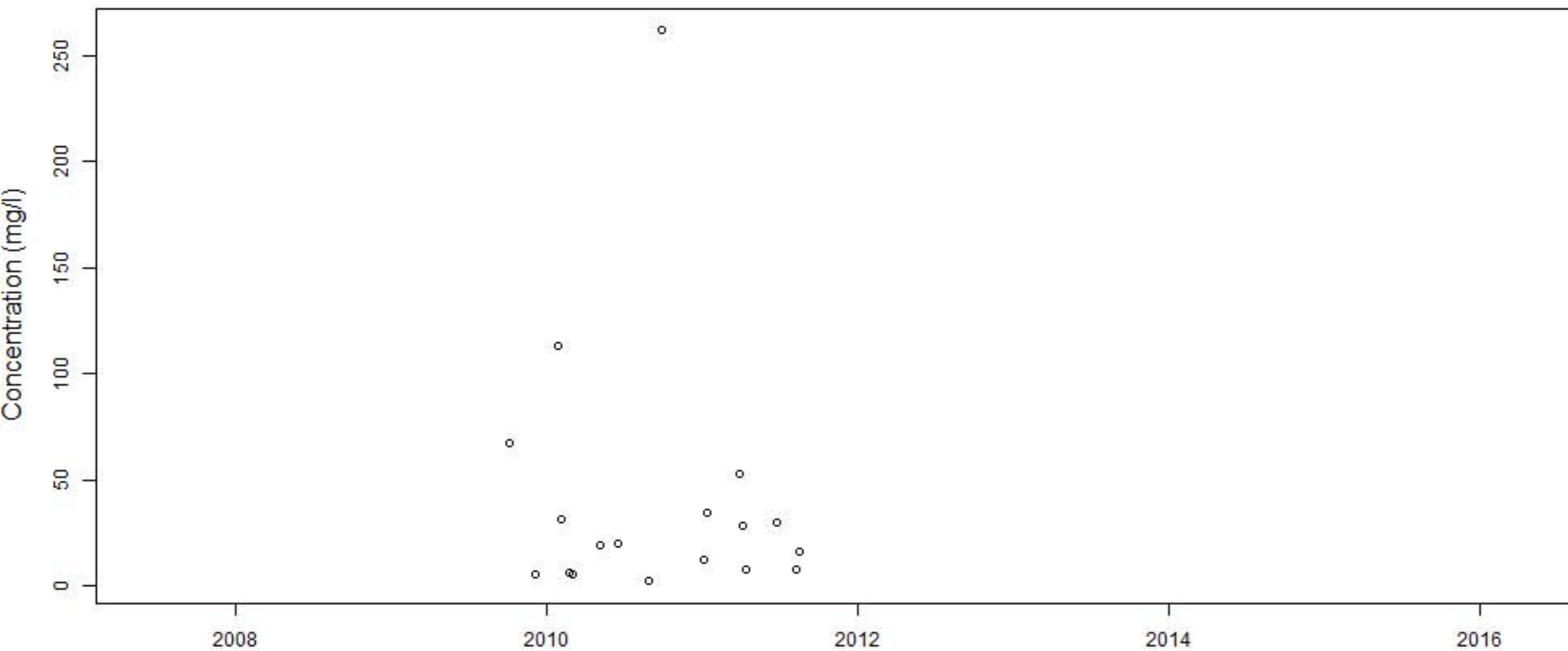
# BECY.7



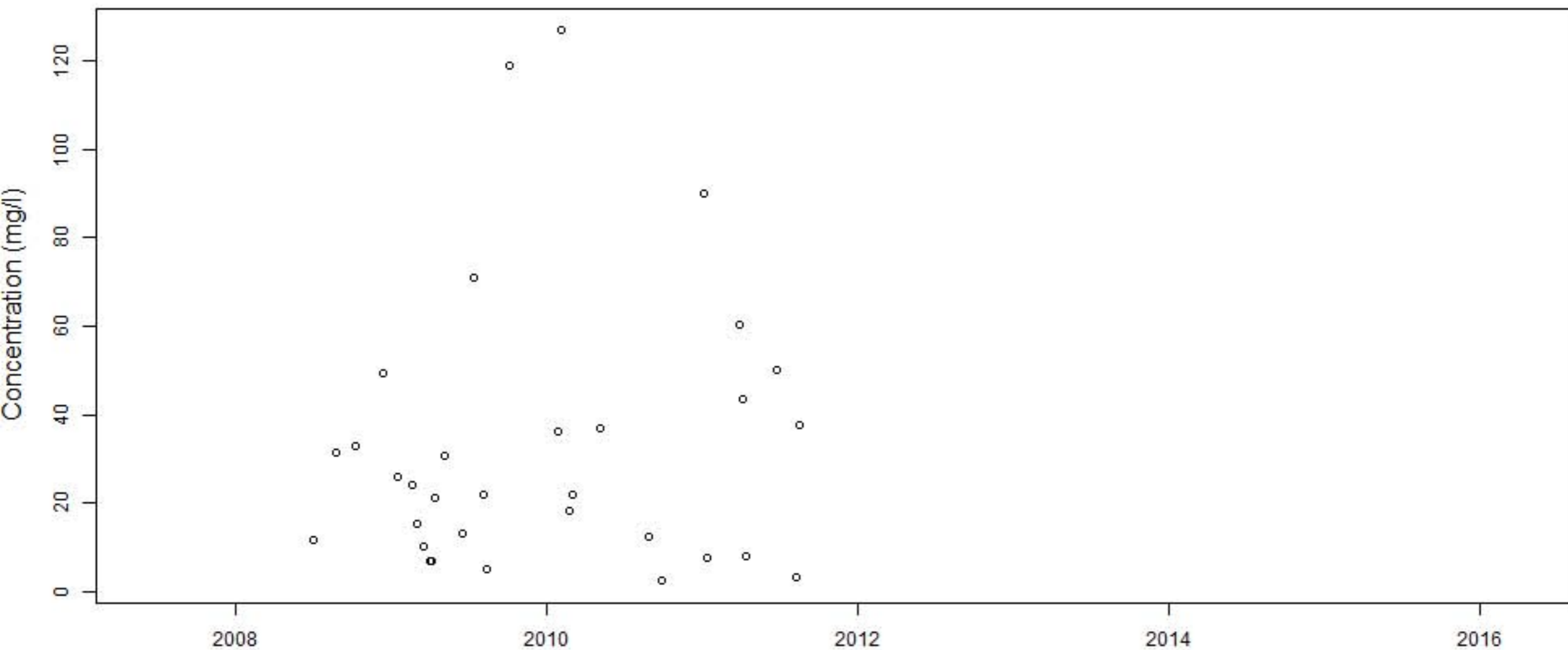
# BECY.7ra.Comp



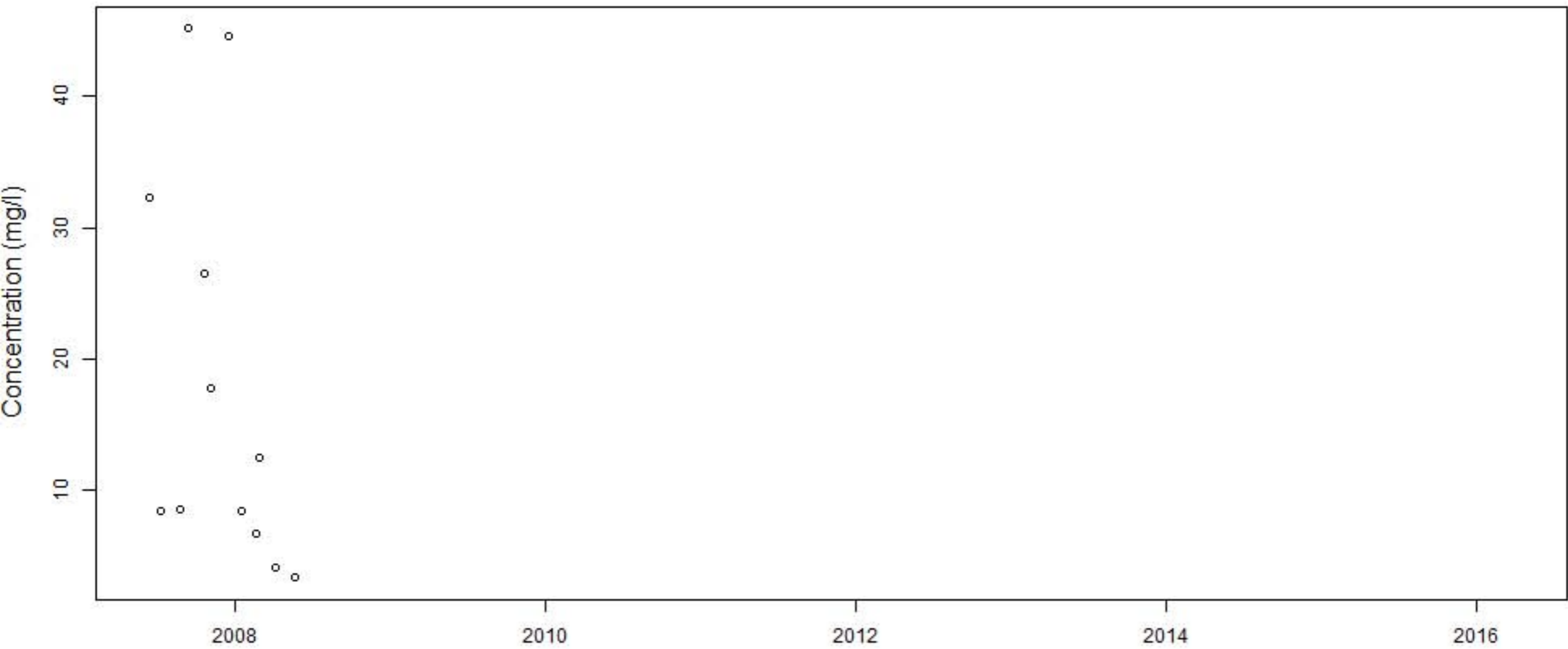
**BECY.7ra.Grab.after**



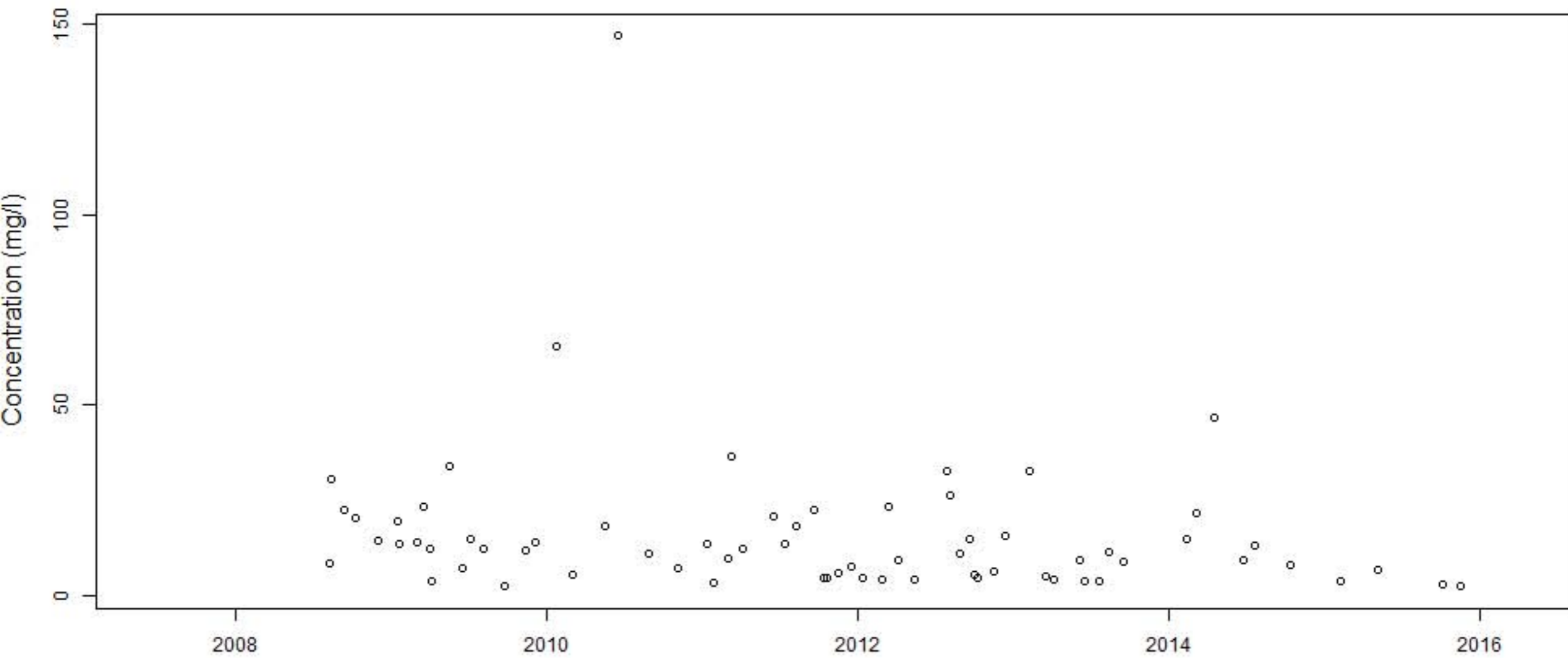
# BECY.7ra.Grab



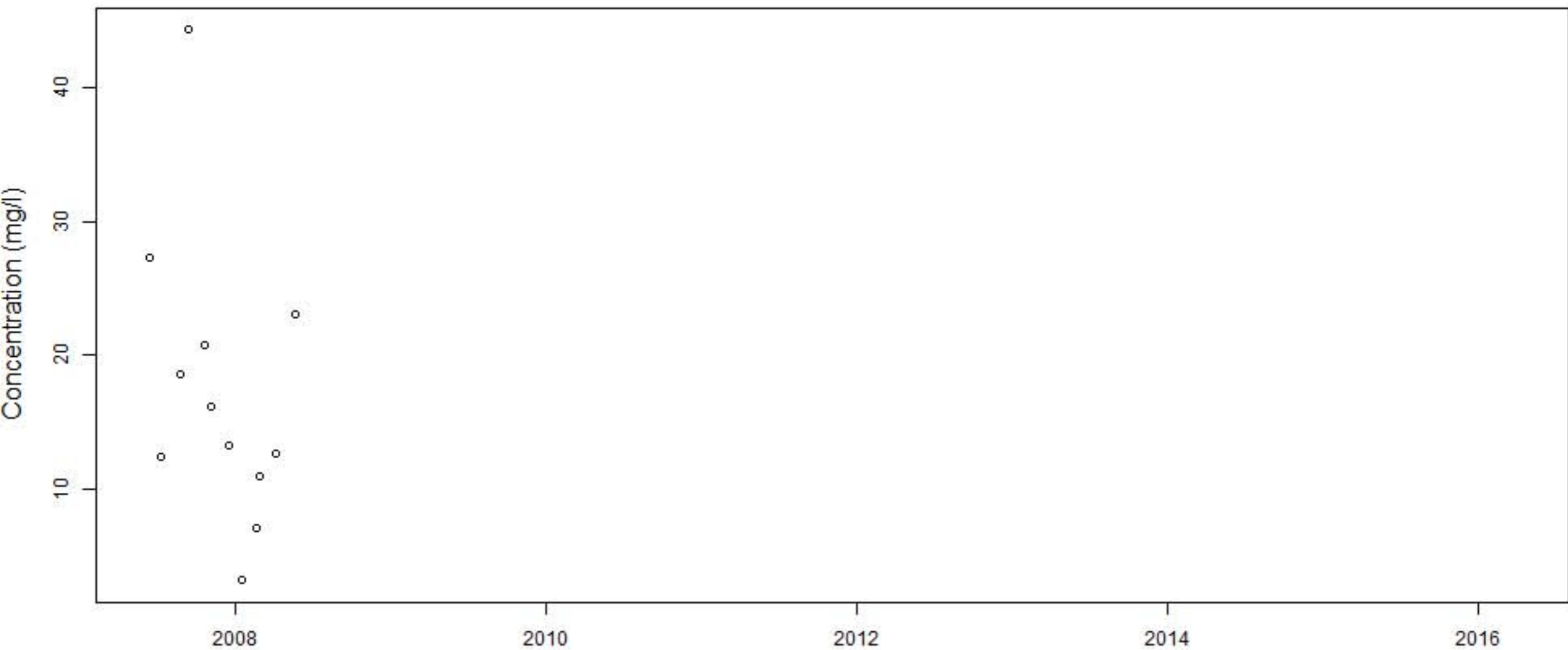
# BECY.8



# BECY.8r

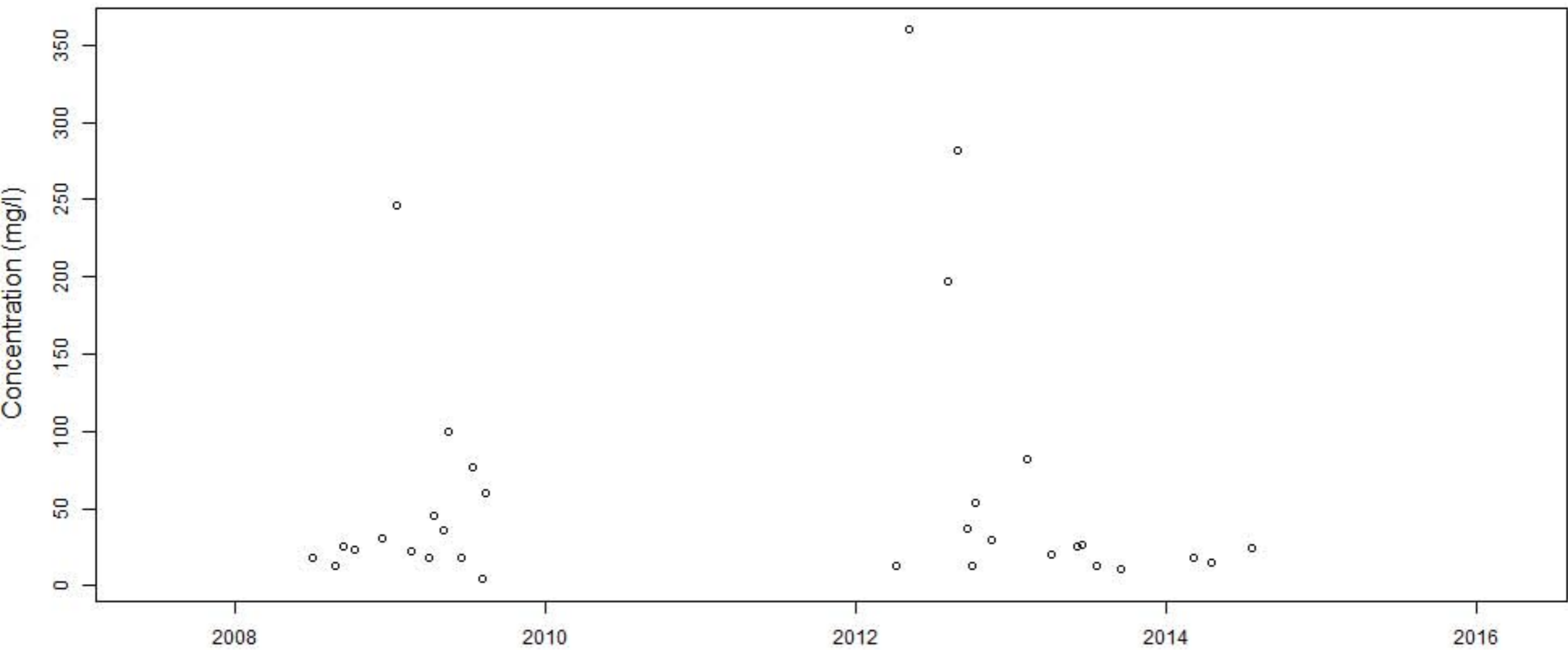


# BECY.9

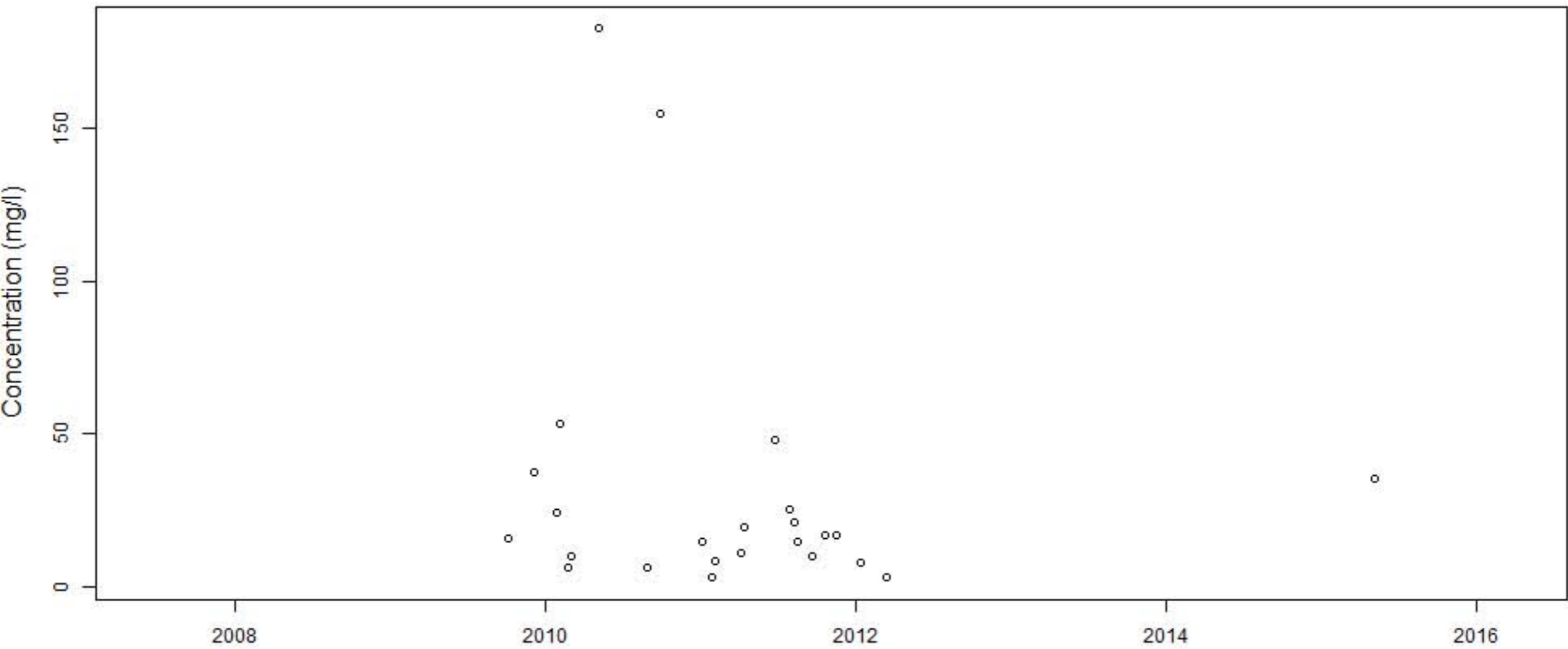




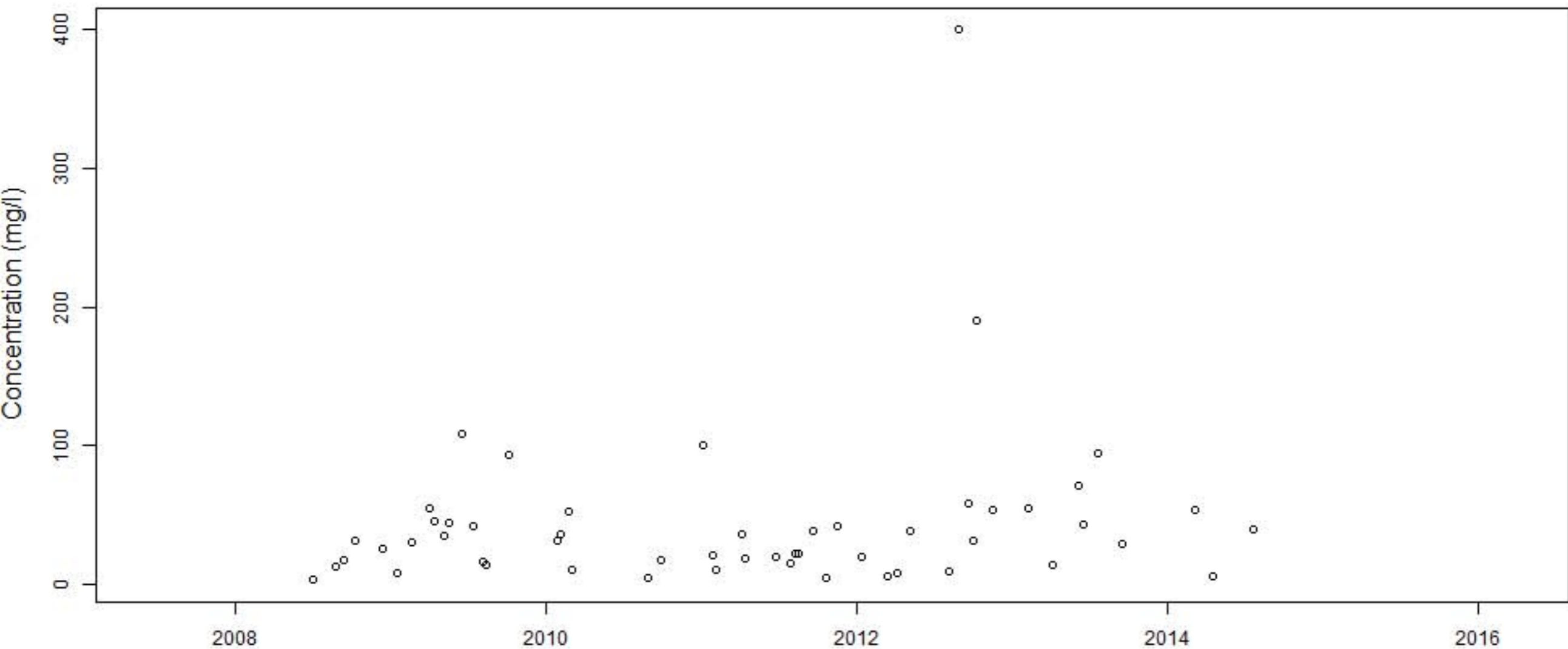
# BECY.9ra.Comp



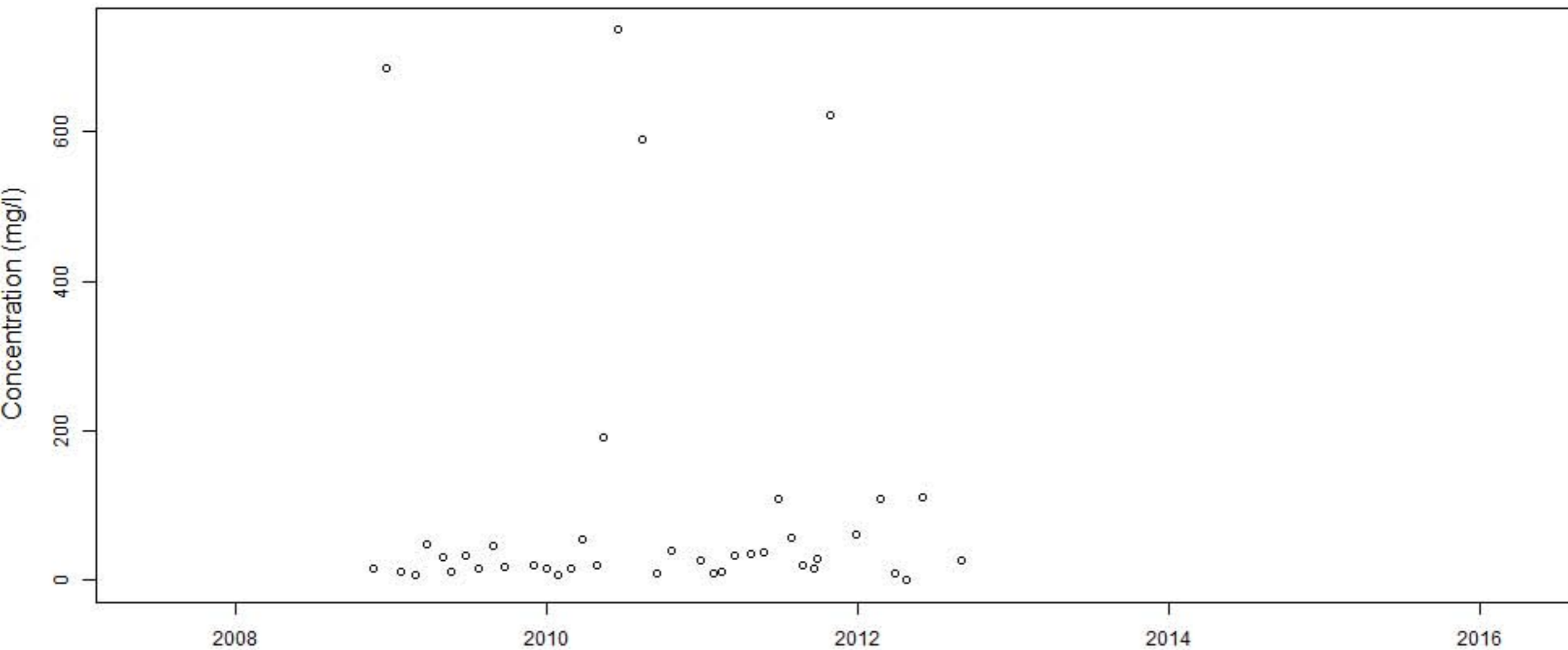
BECY.9ra.Grab.after



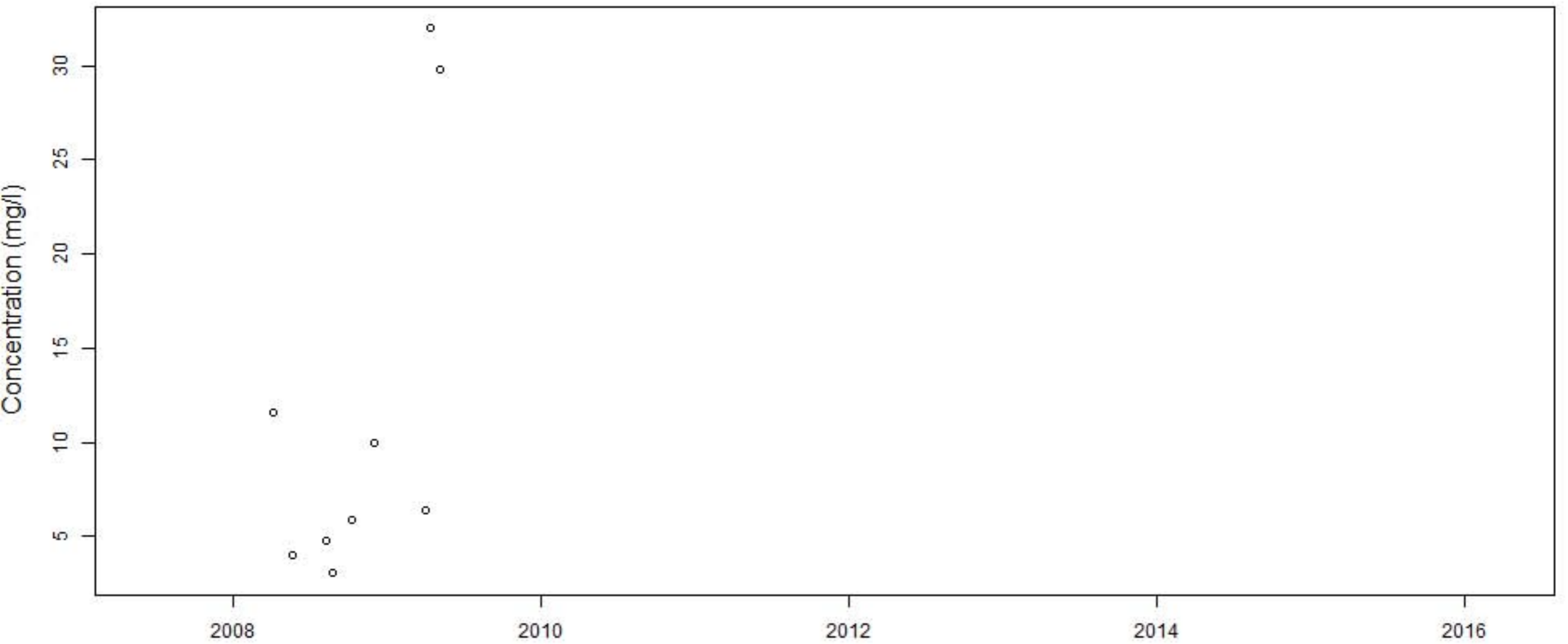
# BECY.9ra.Grab



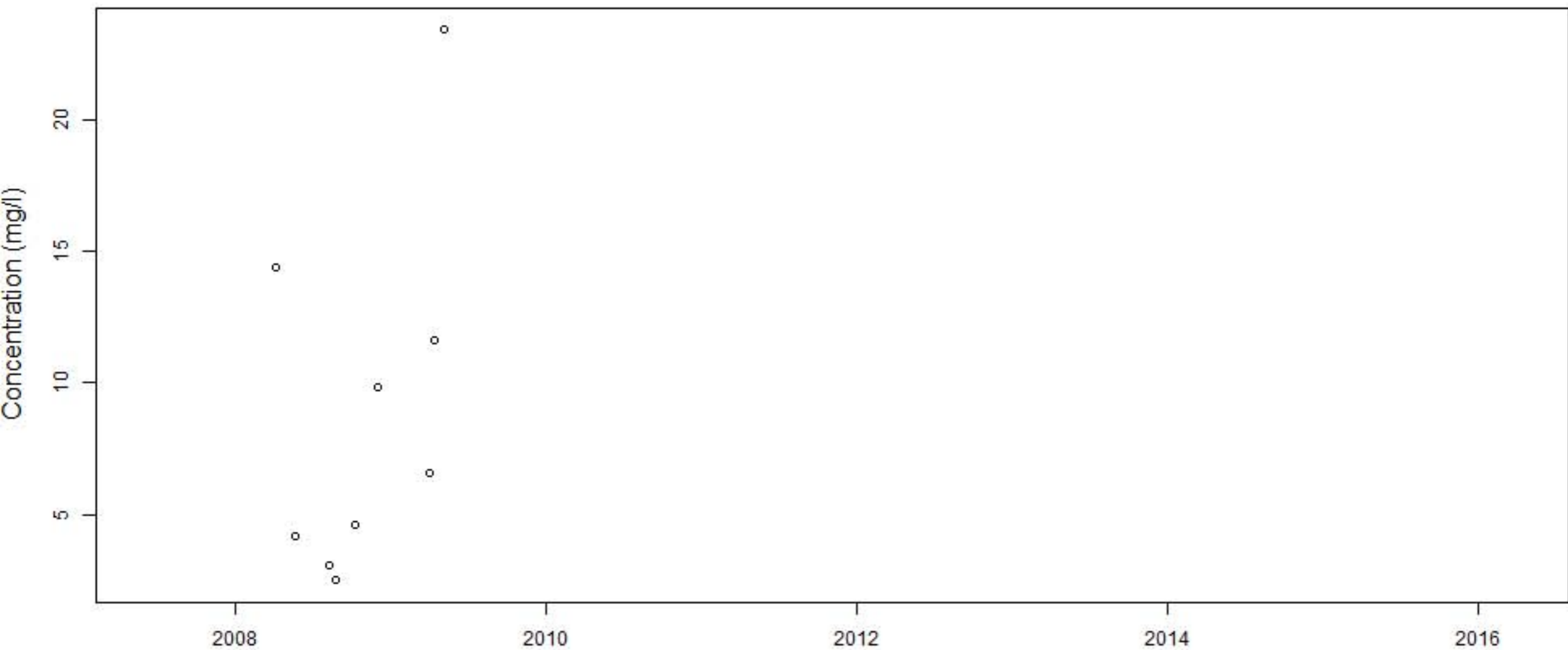
# BLUEWATER



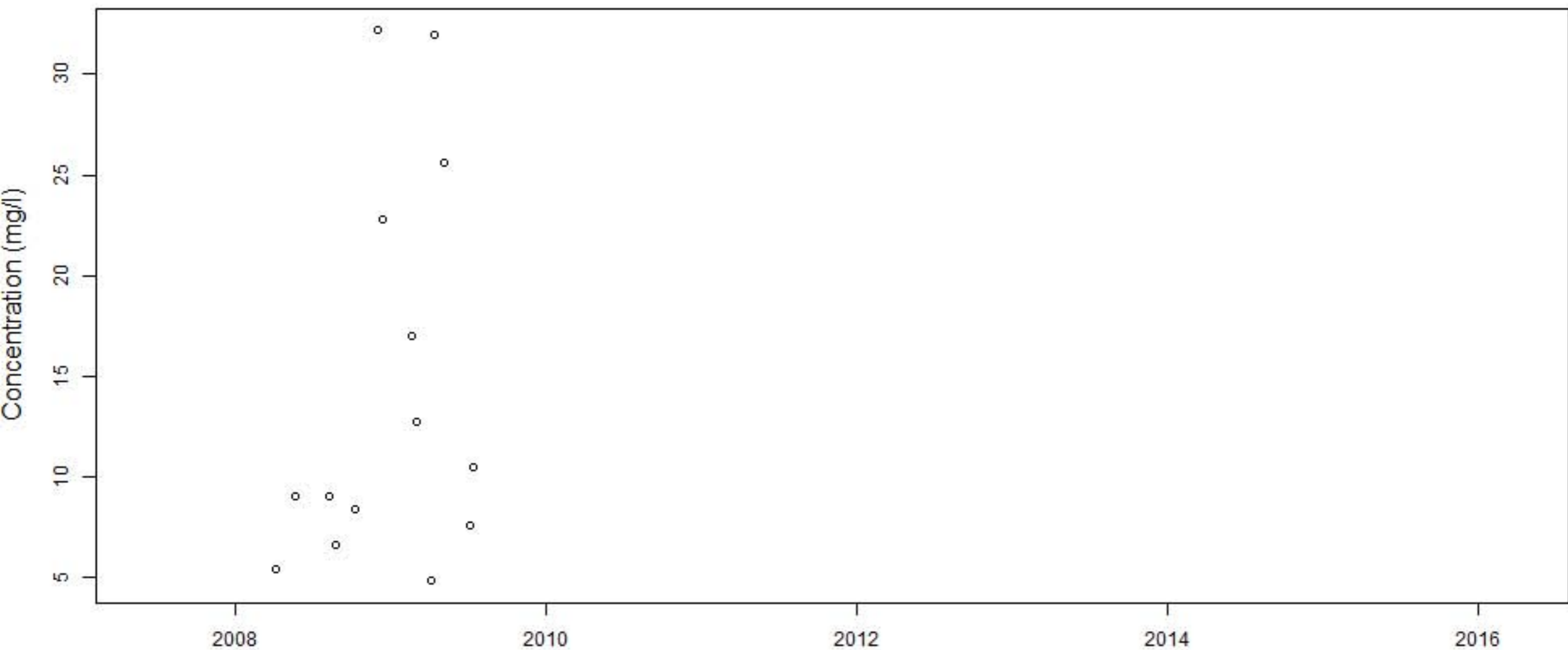
# BMPep...IN.COMP



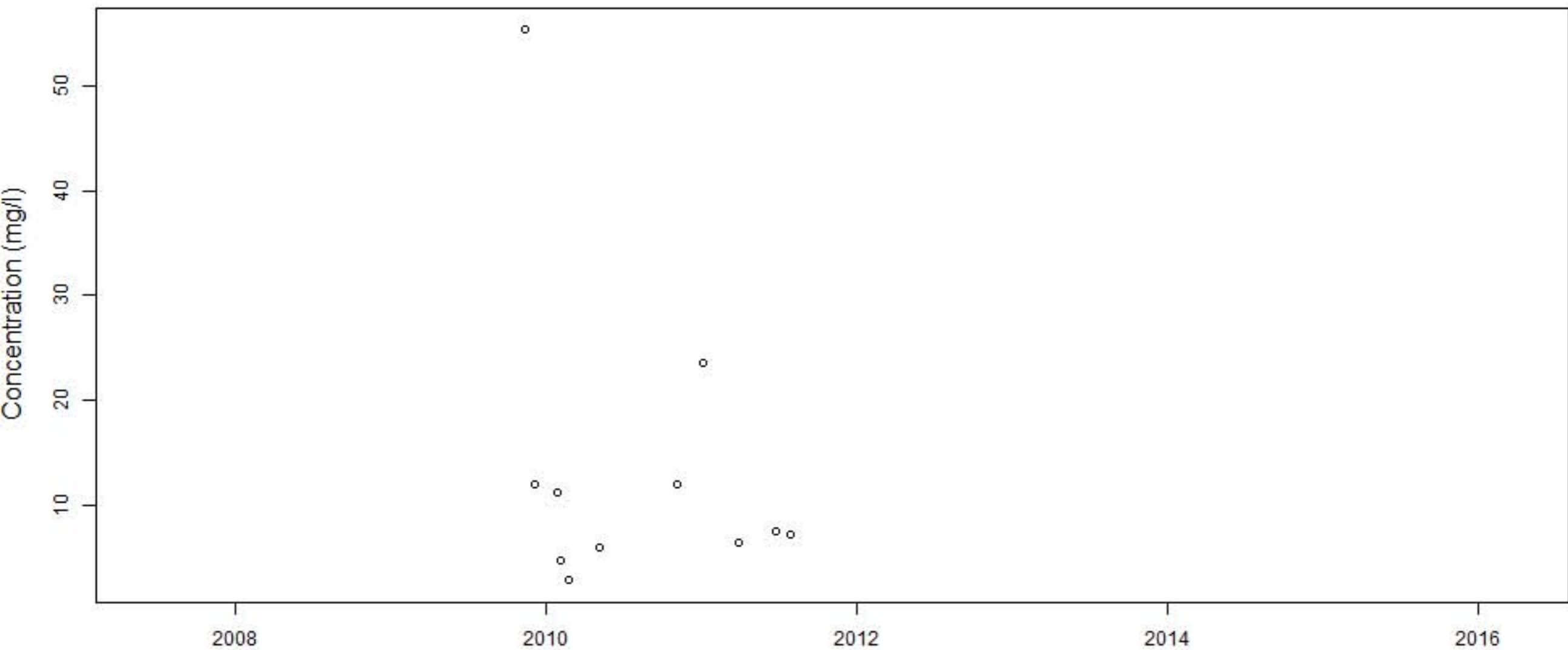
# BM Pep...IN.GRAB



# BM Pep...OUT.COMP

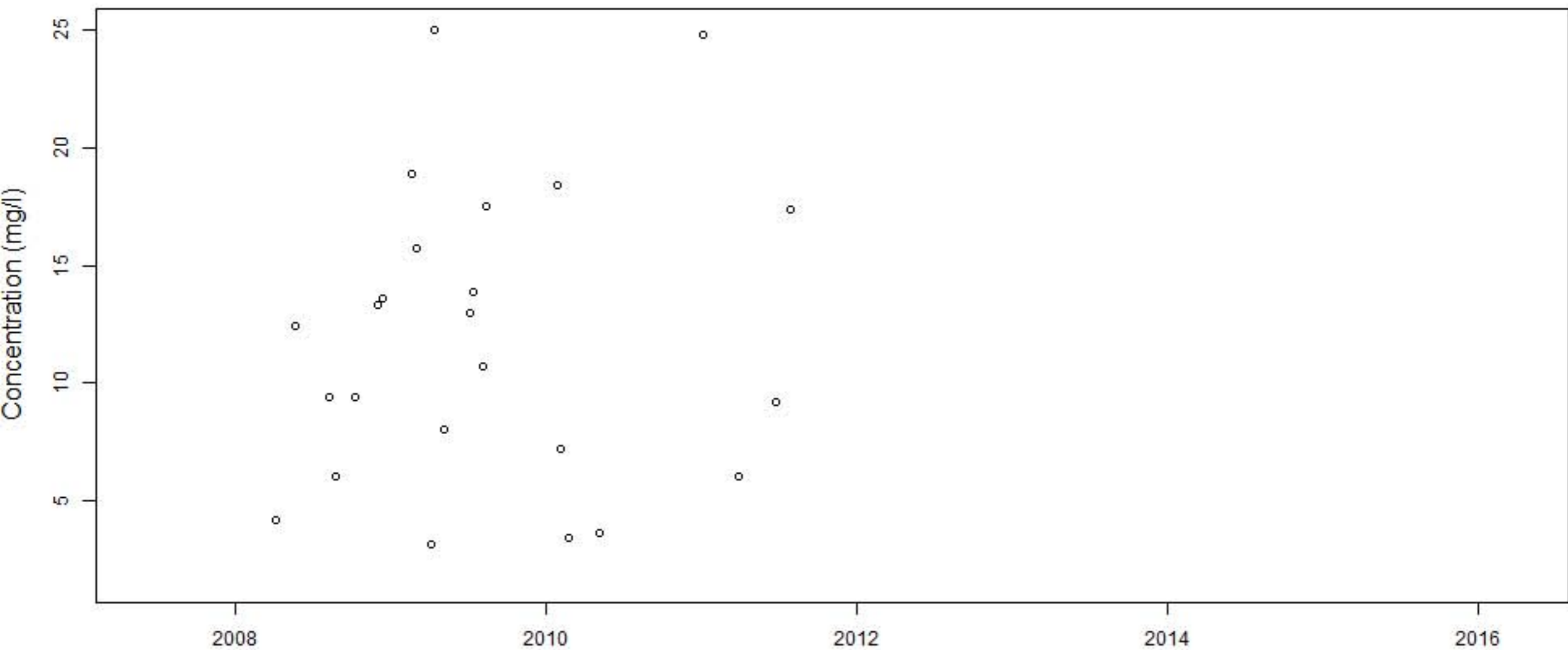


BM Pep...OUT.GRAB.after

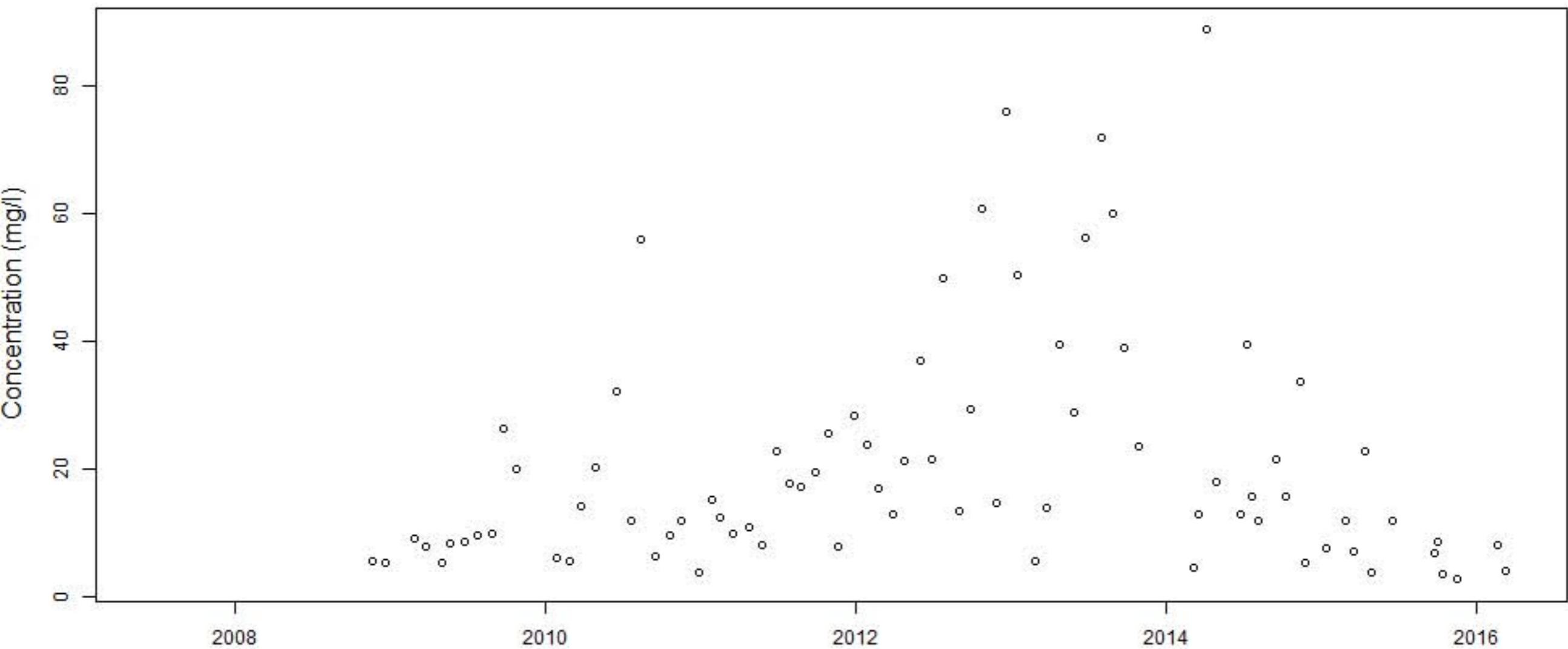




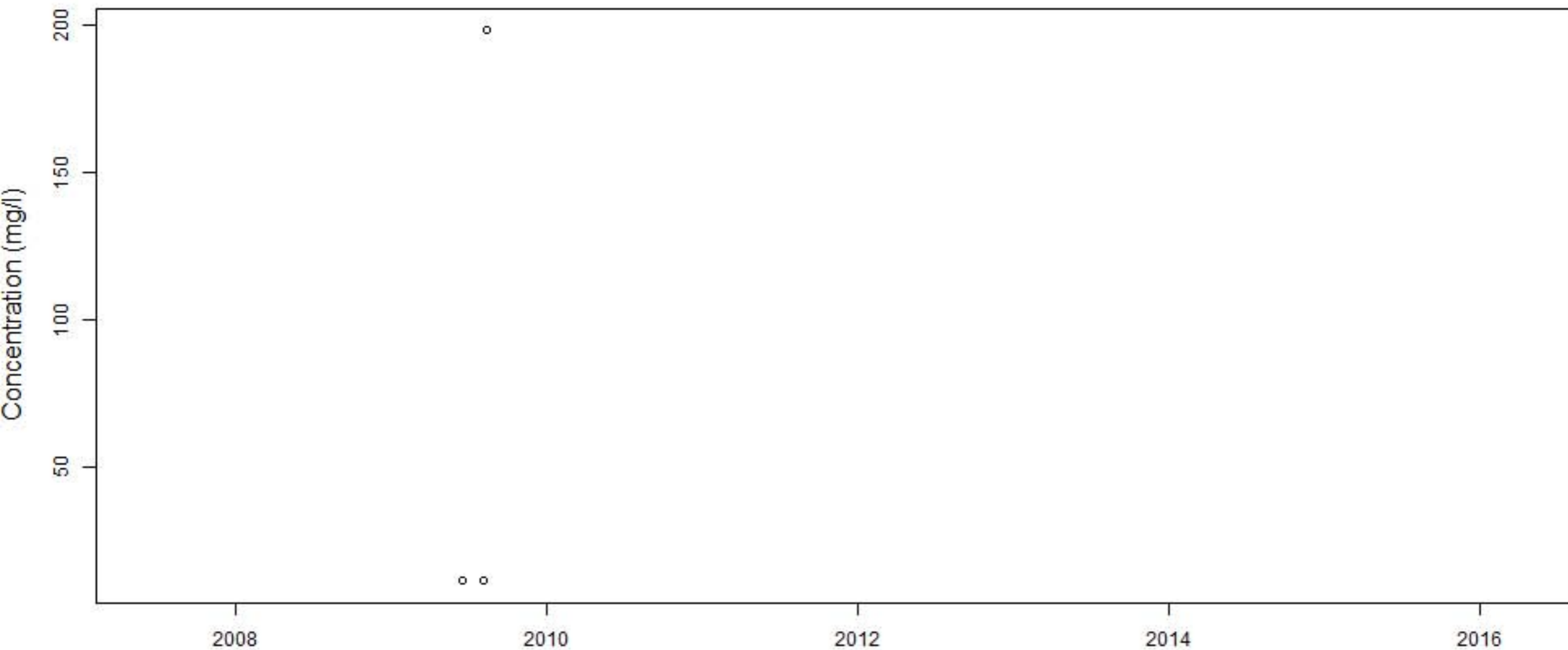
# BM Pep...OUT.GRAB



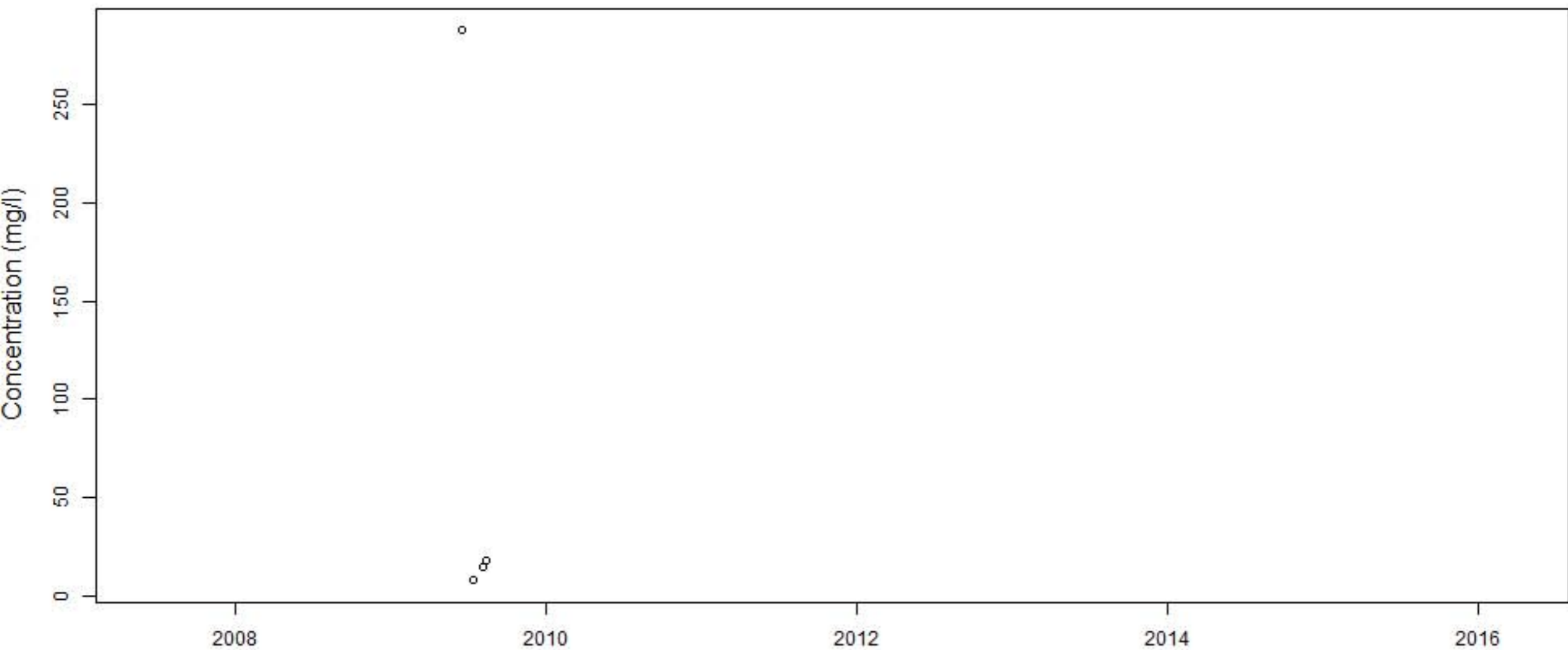
# BROAD.POINTE



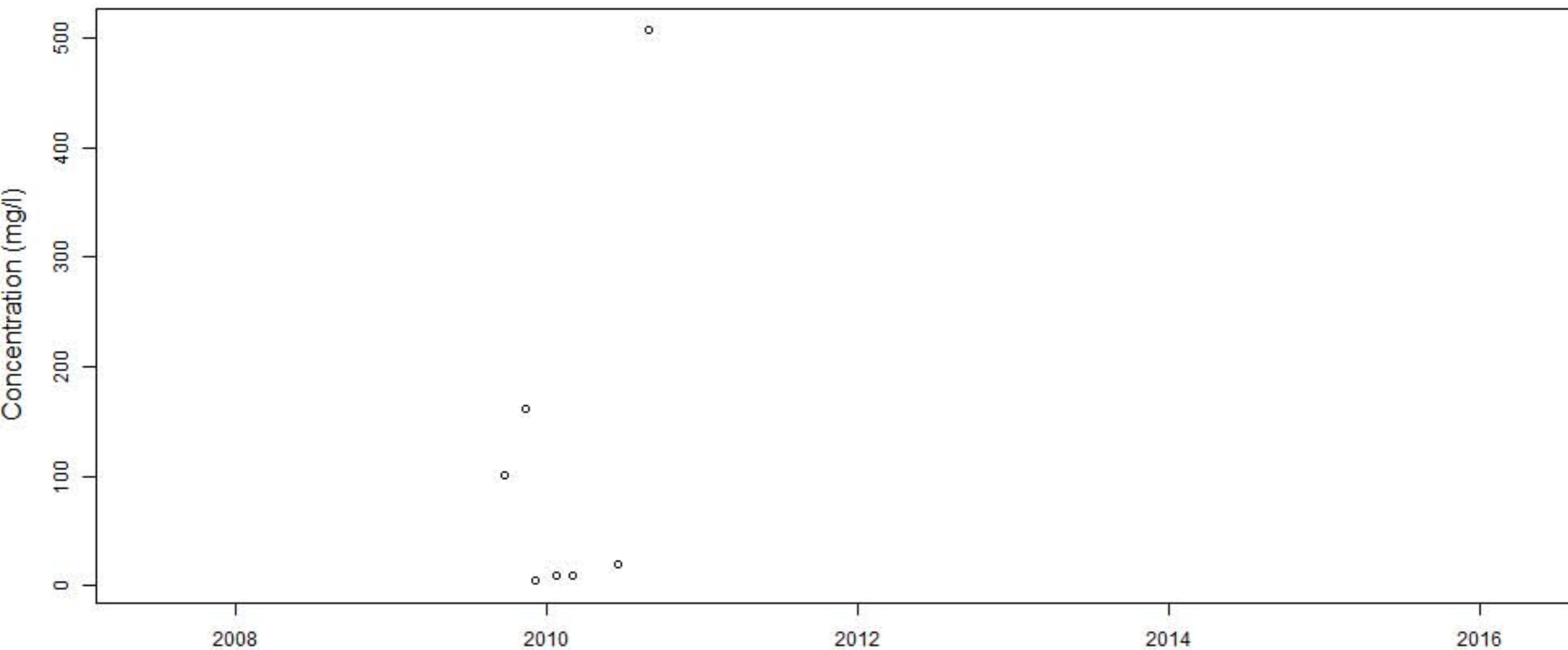
# Christine.Place.Comp



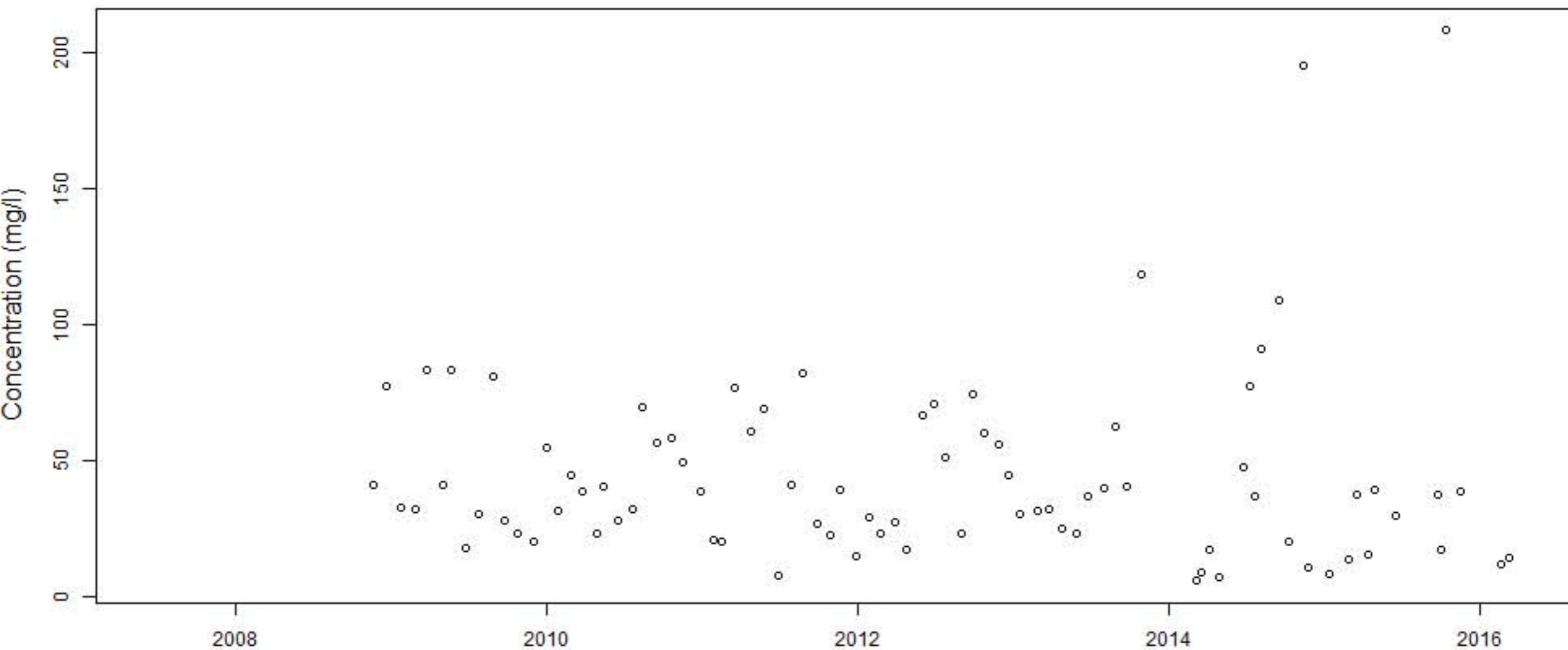
# Christine.Place.Grab



# Christine.Place.R



# CRACKER.BARREL



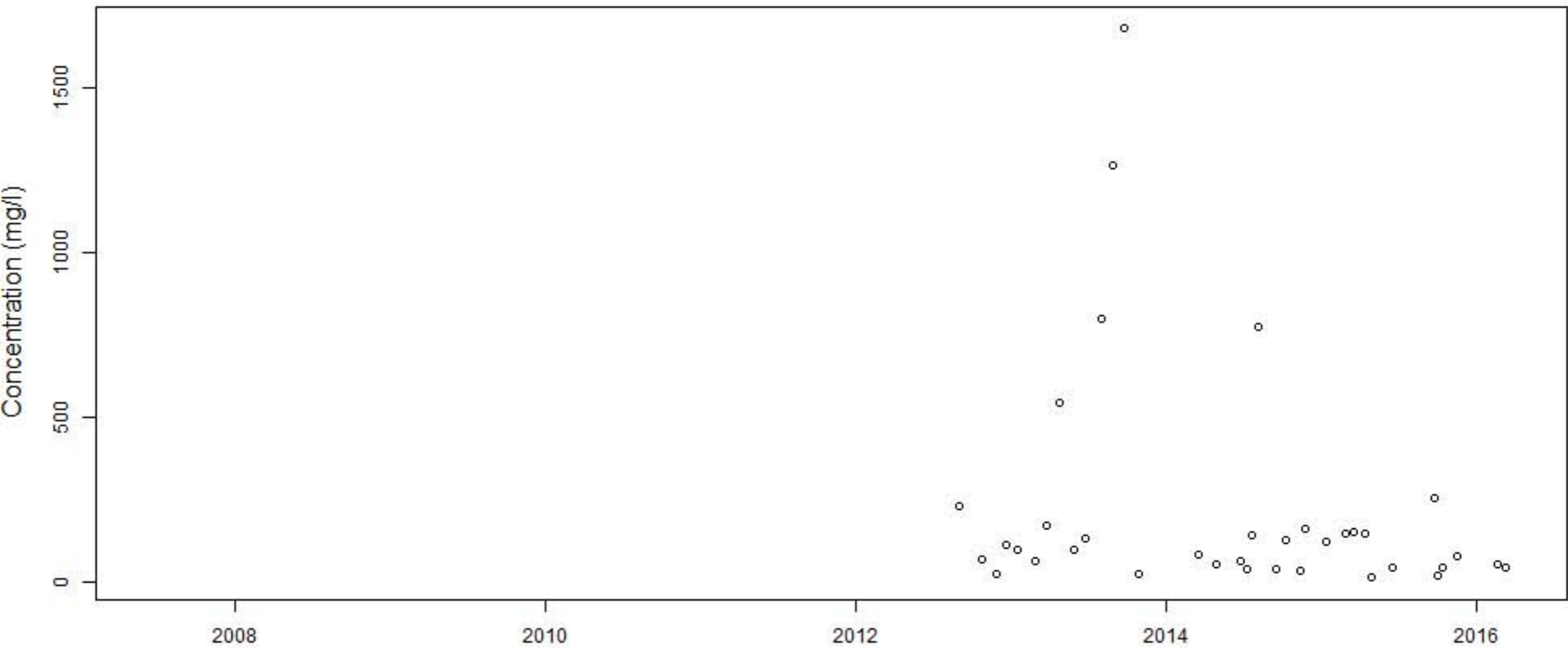




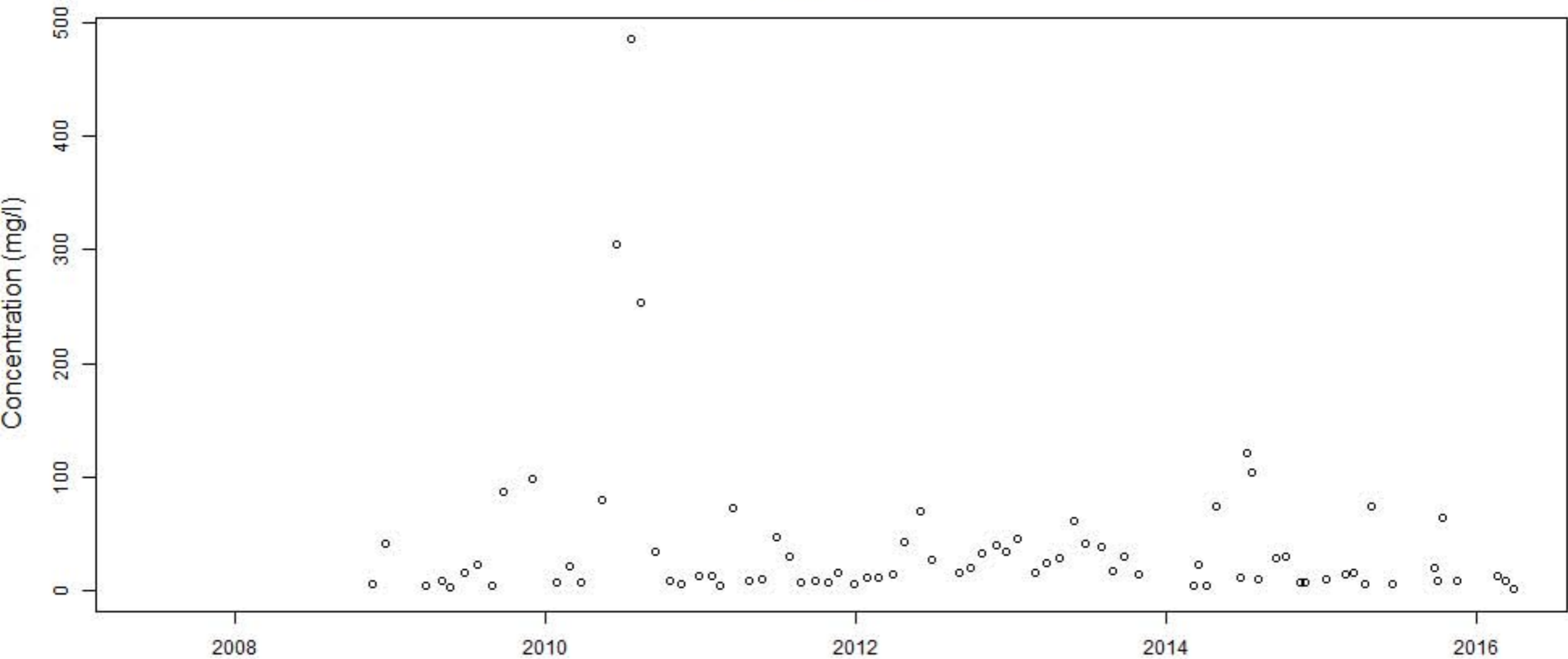




# FISH.HAUL

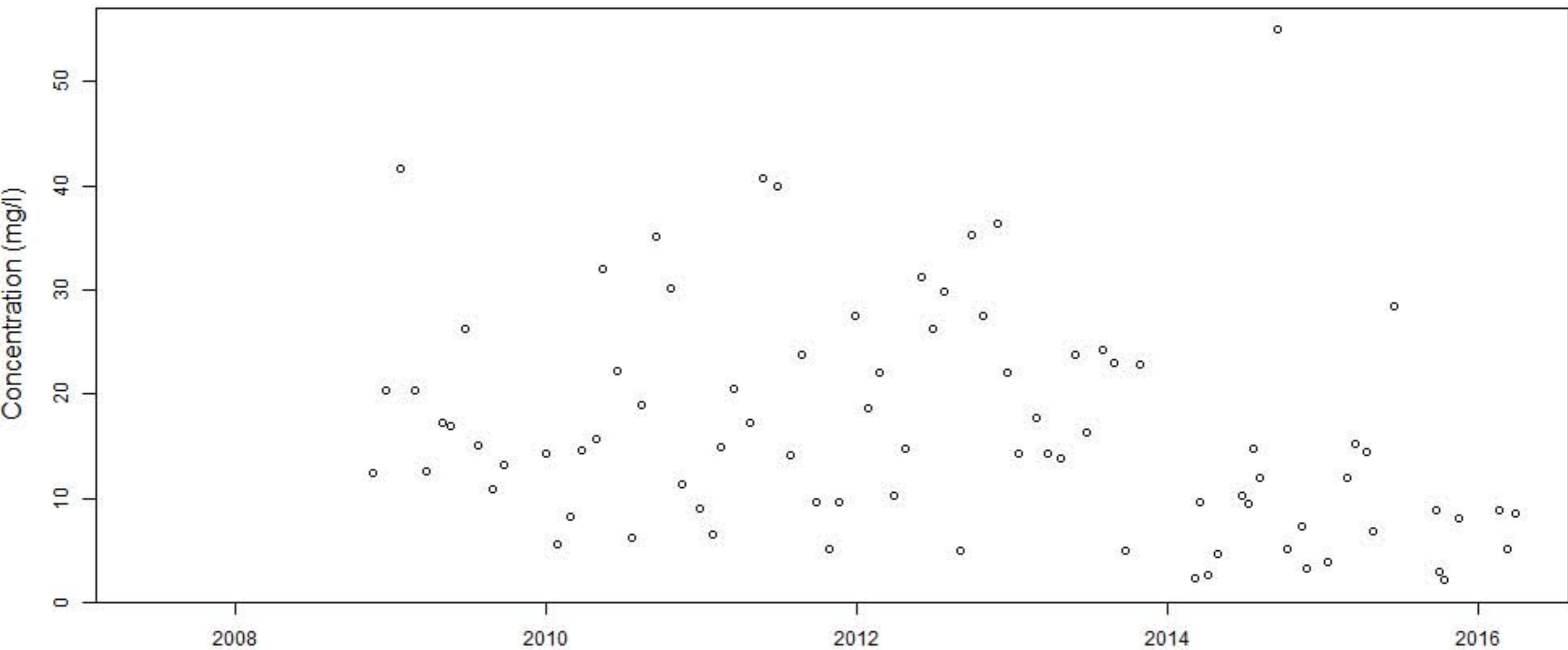


# GUM.TREE

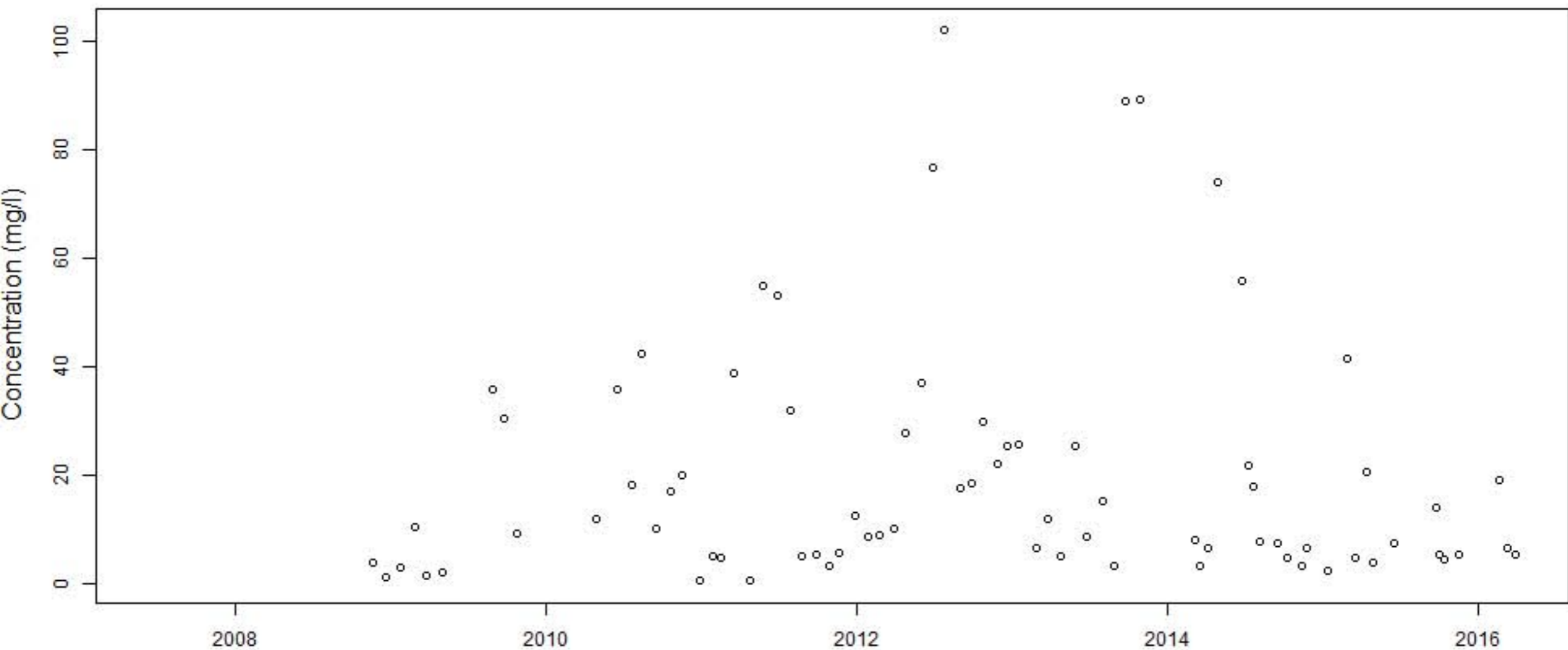




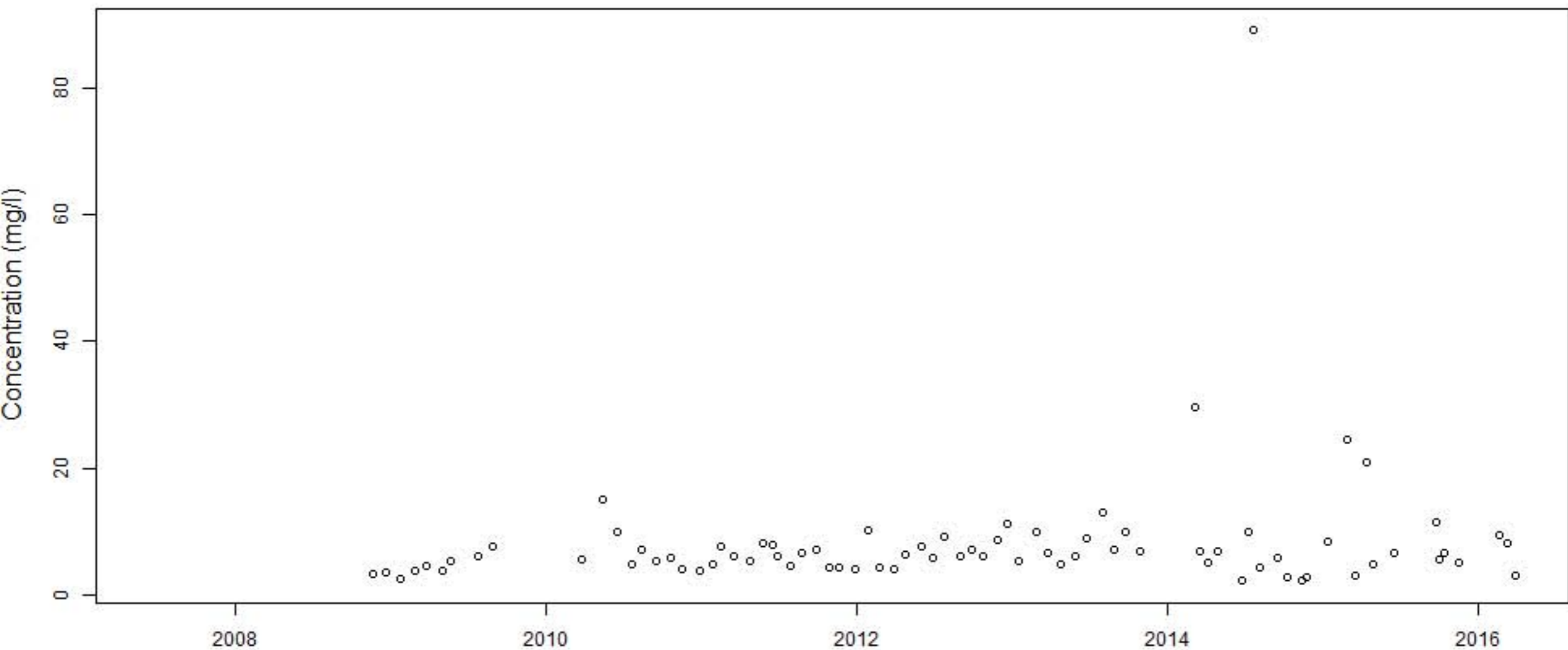
# HILTON.HEAD.PREP



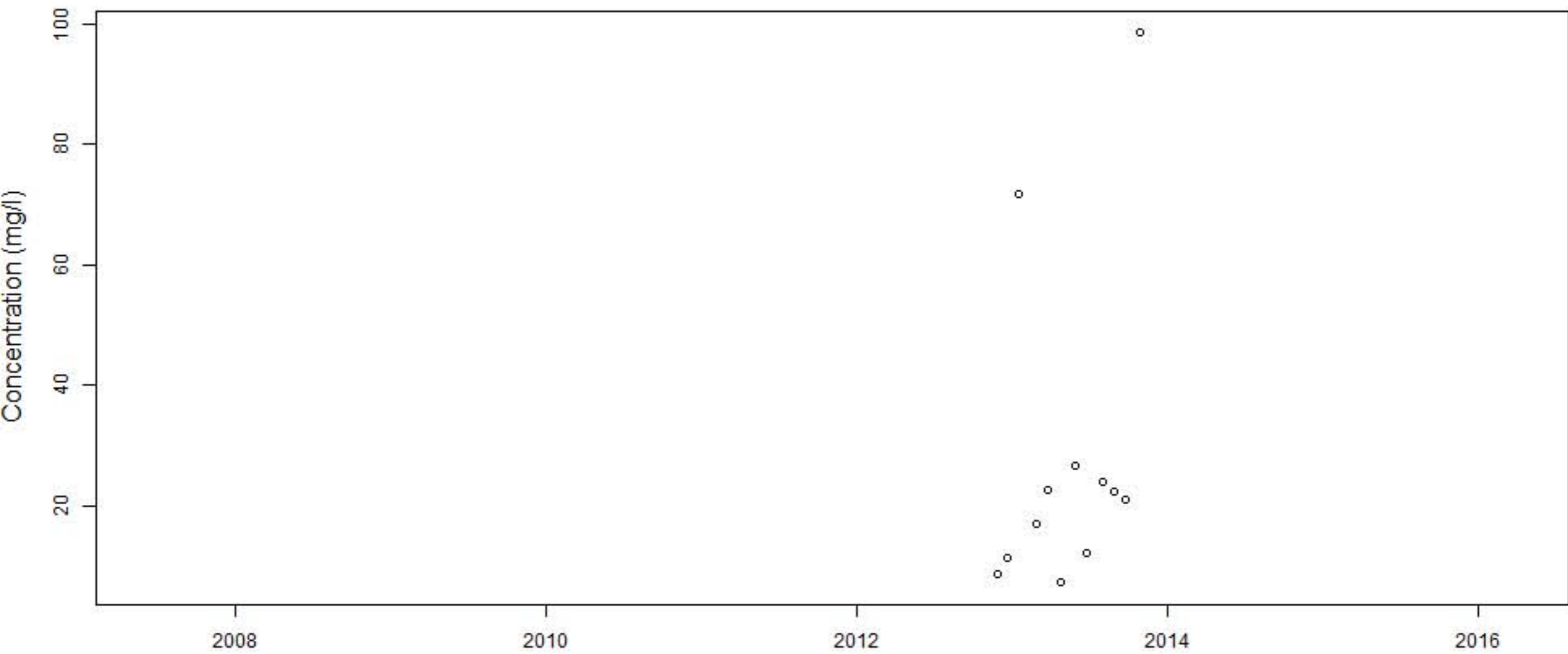
# JARVIS.1



# JARVIS.2

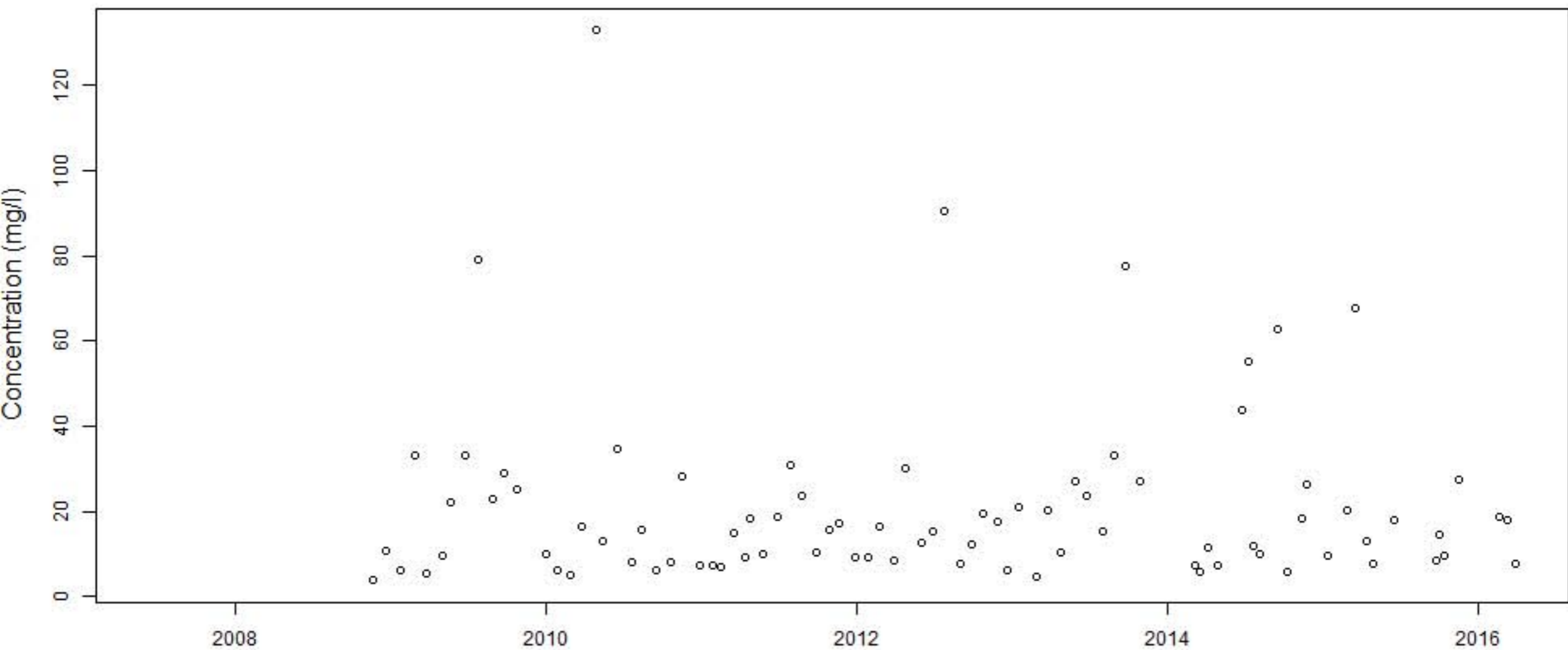


# JARVIS.3

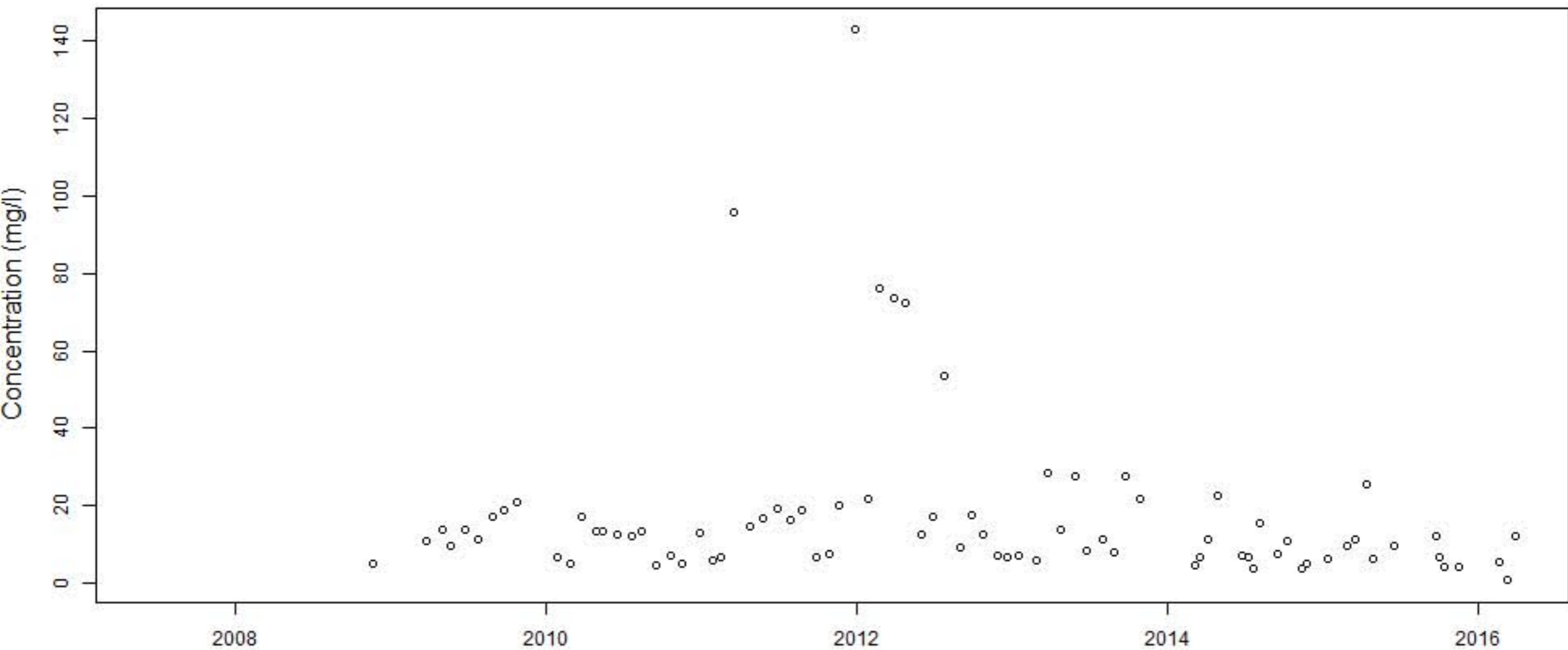




# MATHEWS.2

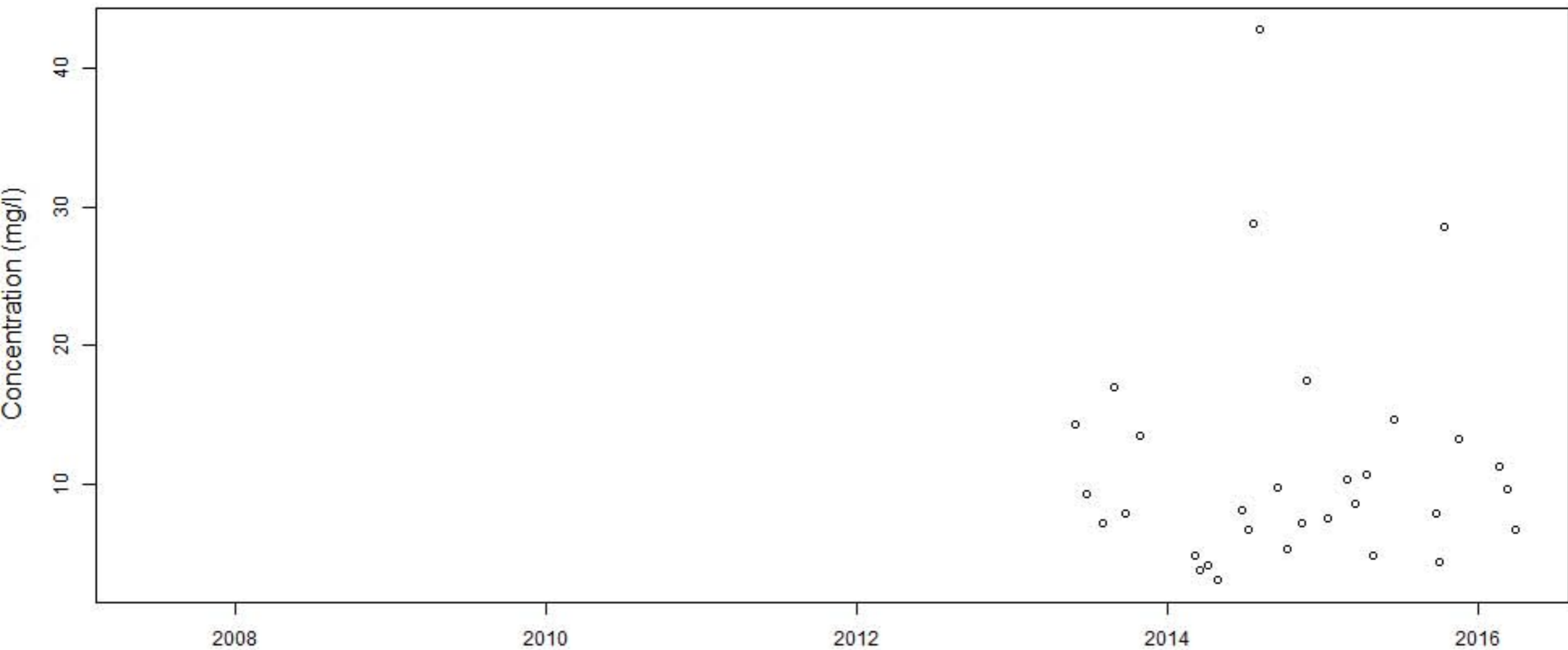


# MILLERS.POND.1



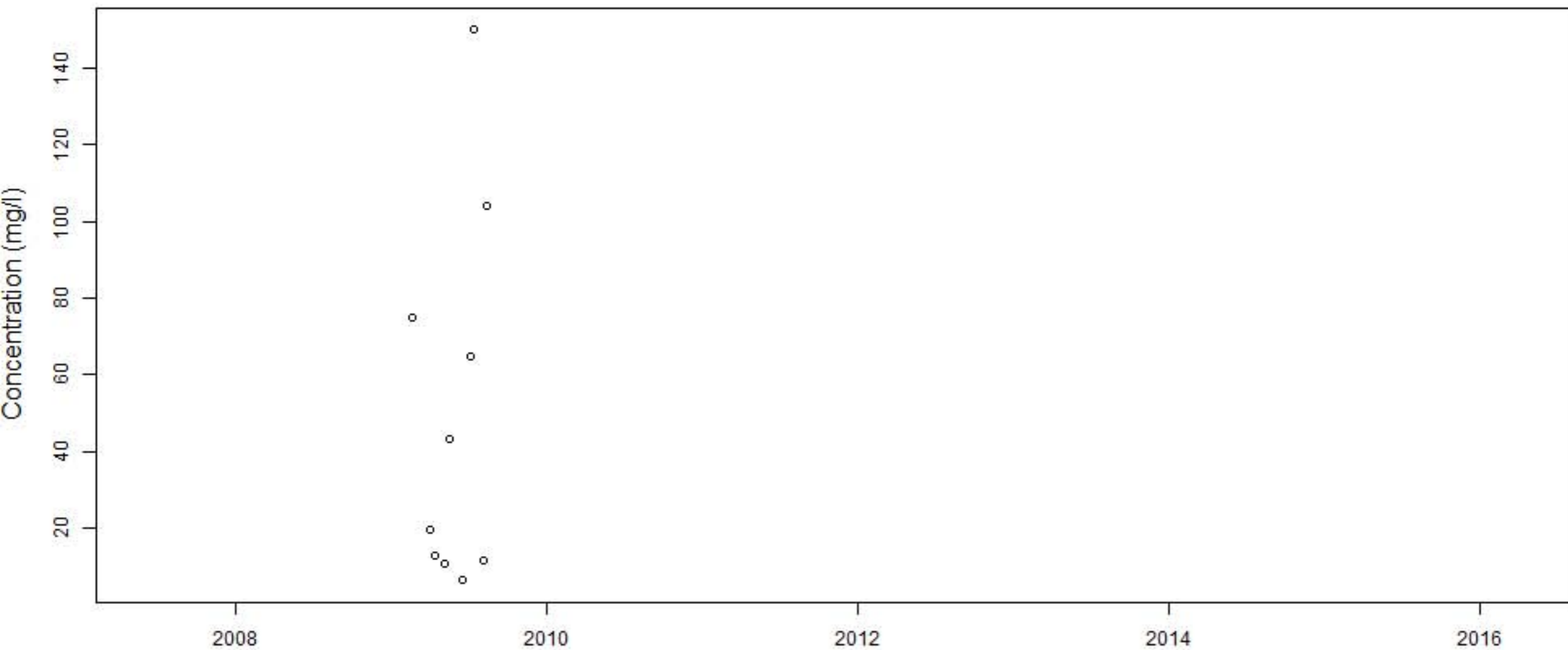


# PALMETTO.DUNES

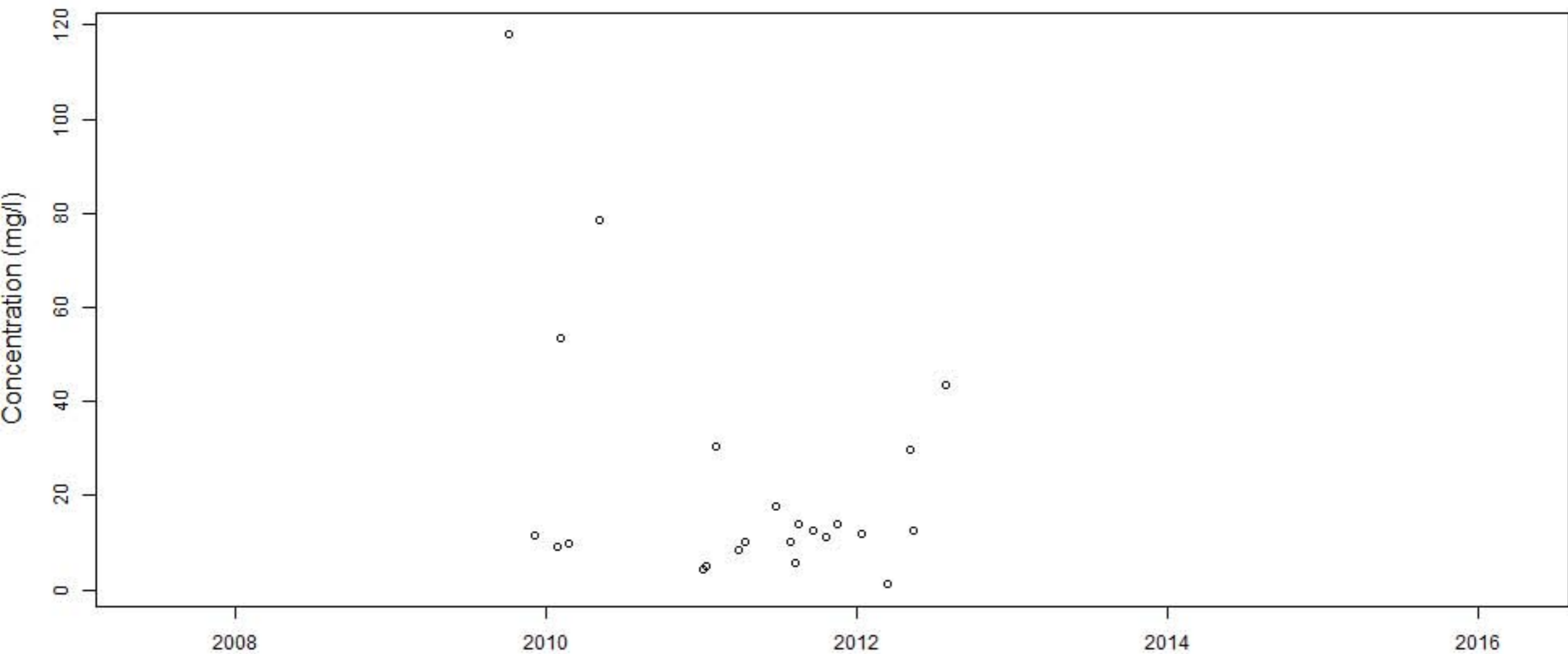




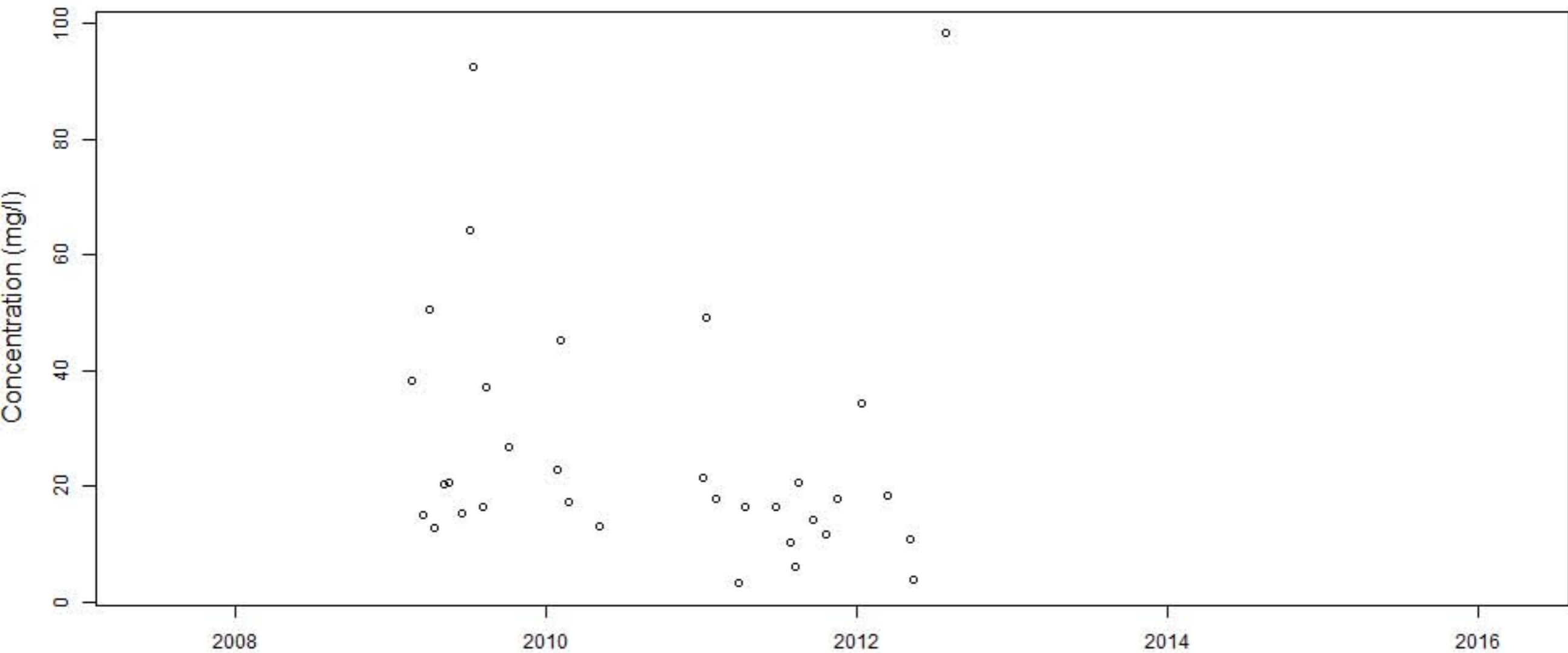
# Southside.Comp



Southside.Grab.after

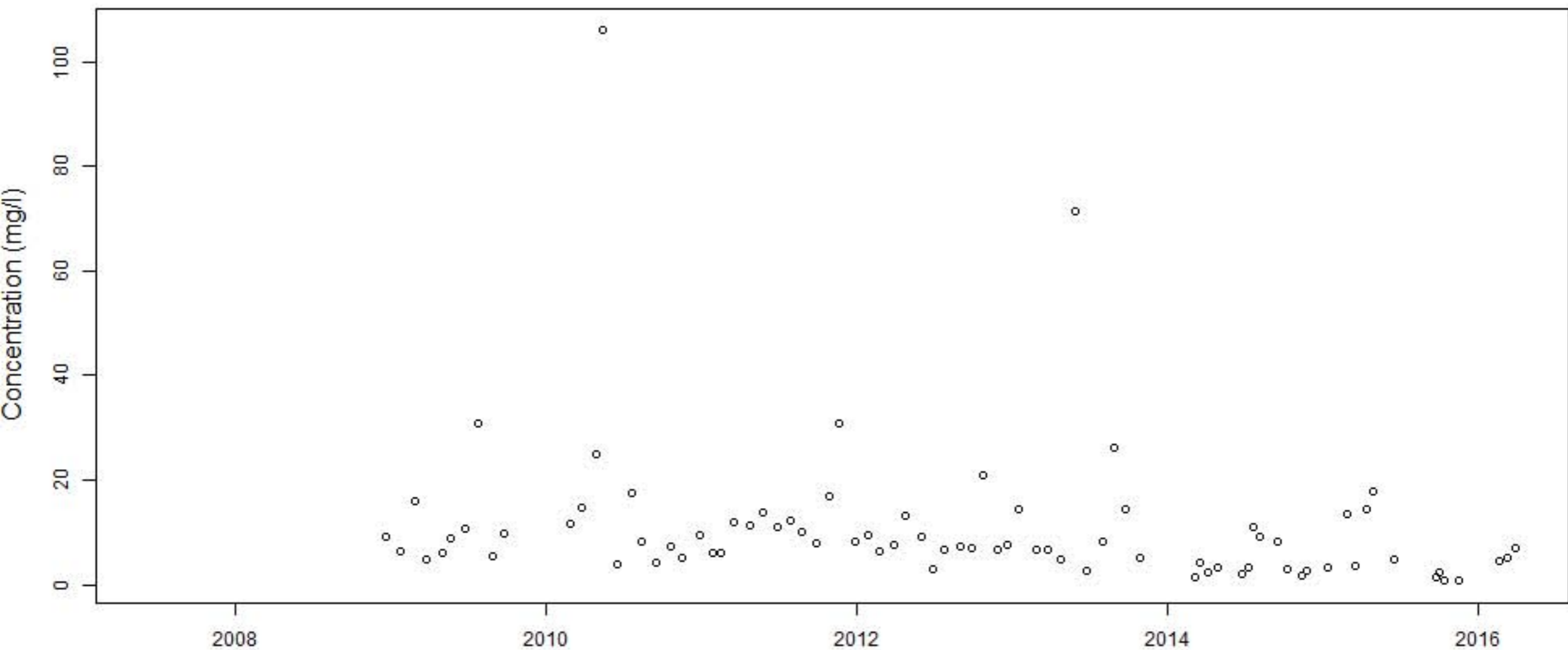


### Southside.Grab





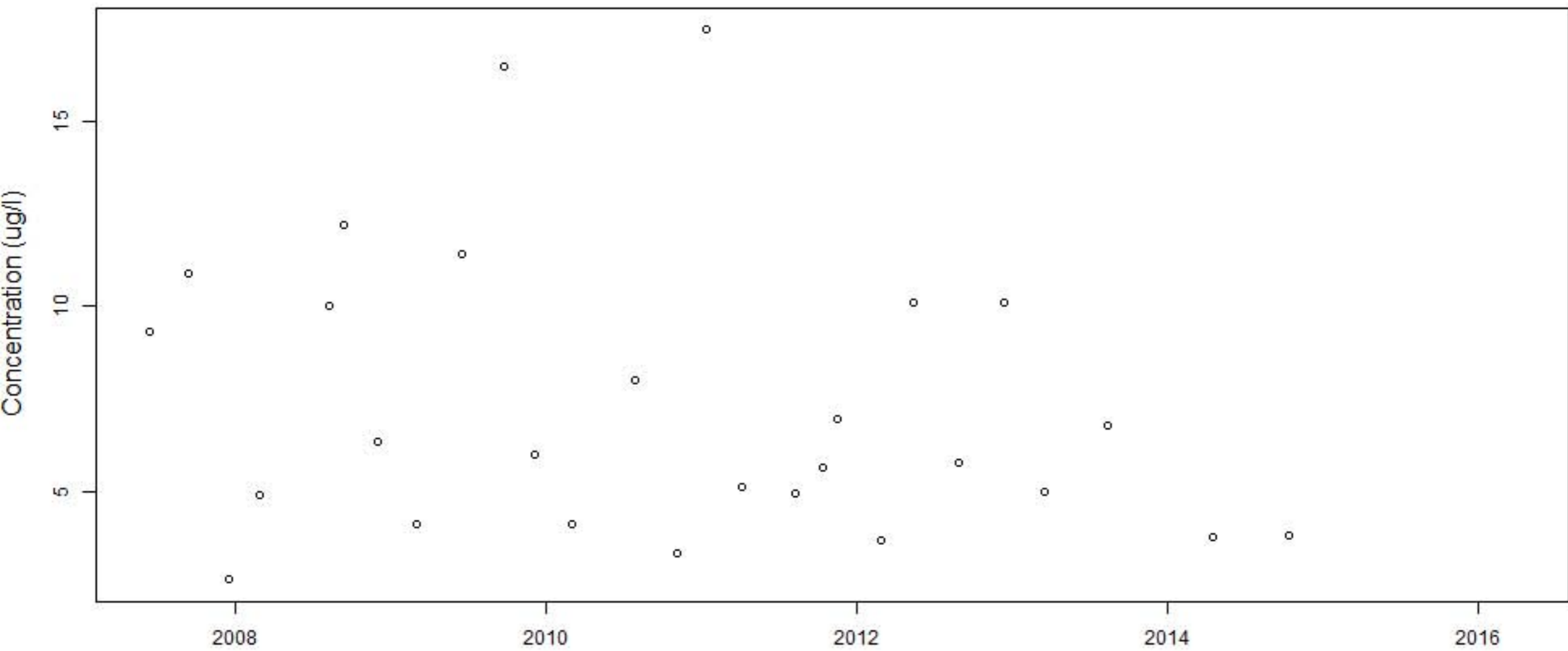
# WEXFORD



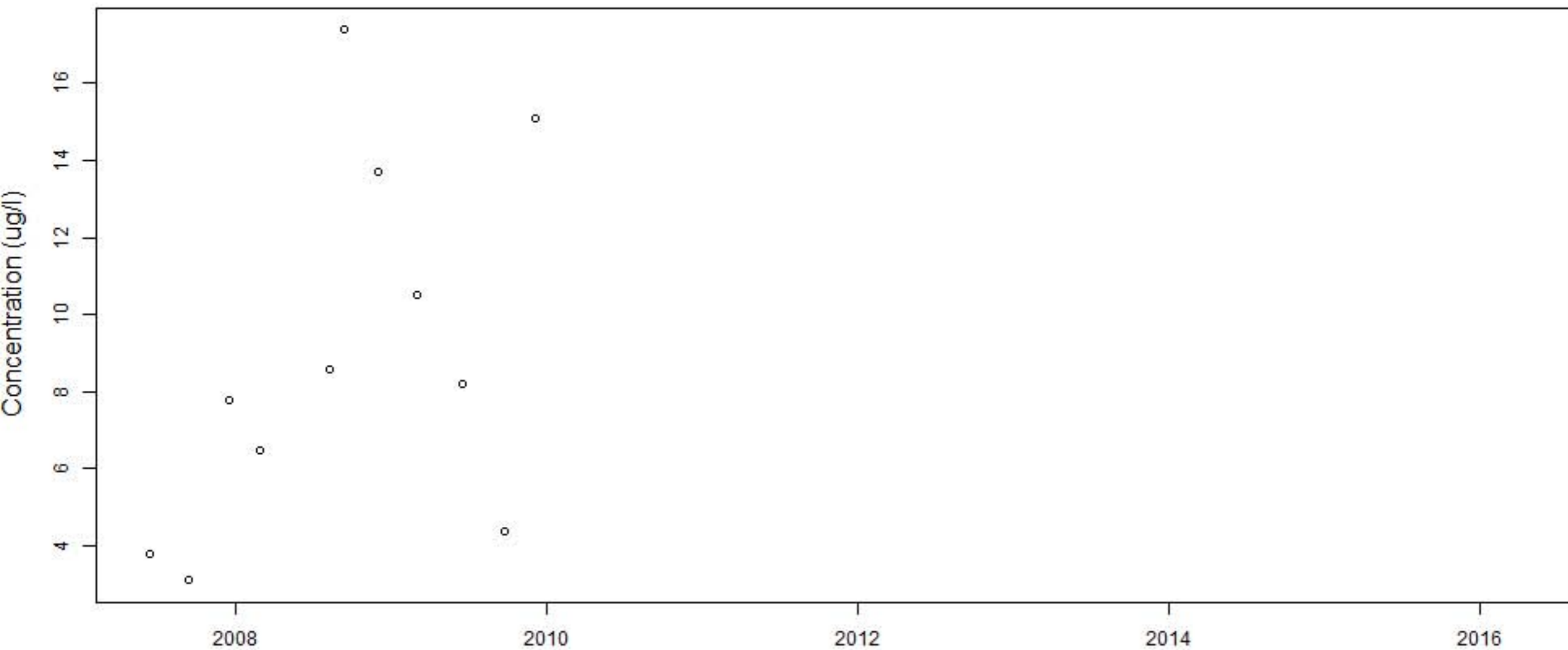


Timeseries of  
Zinc  
Water Quality Data  
Collected at  
Beaufort County Stations

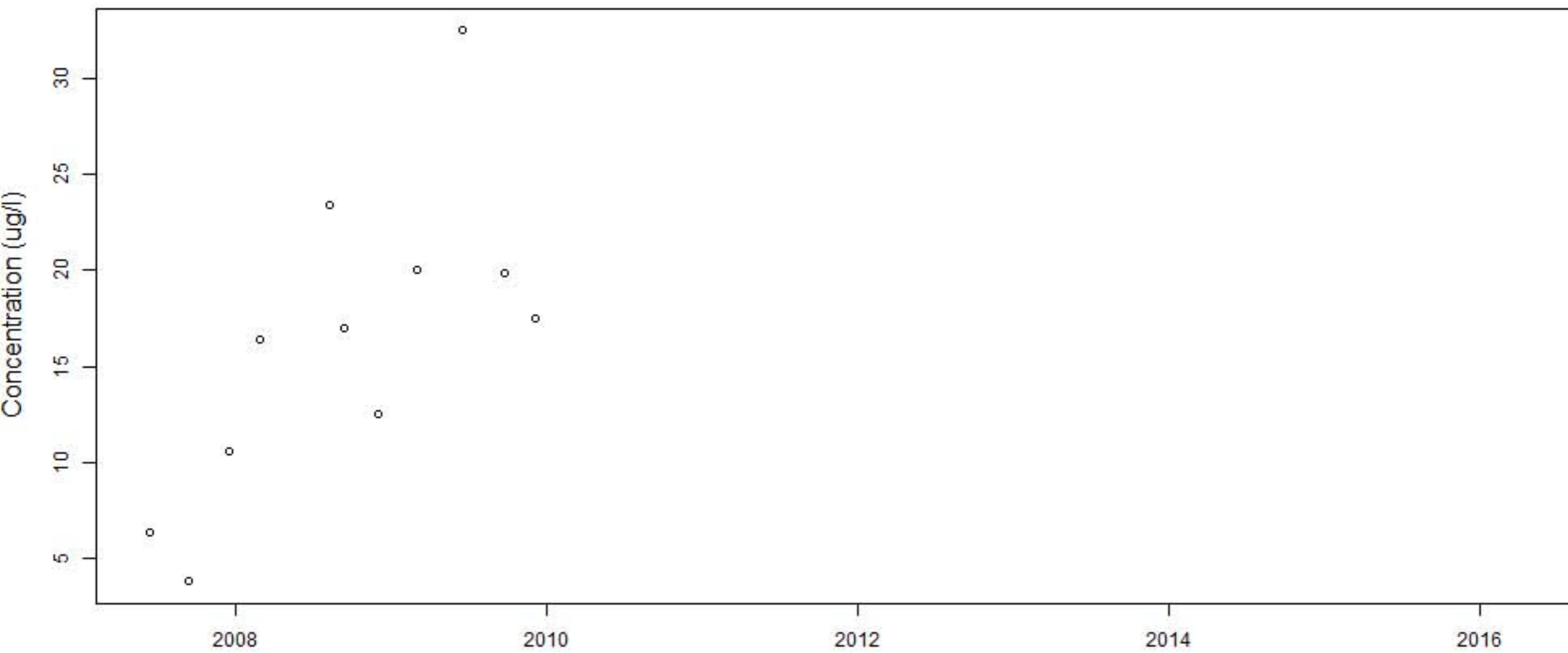
# BECY.1



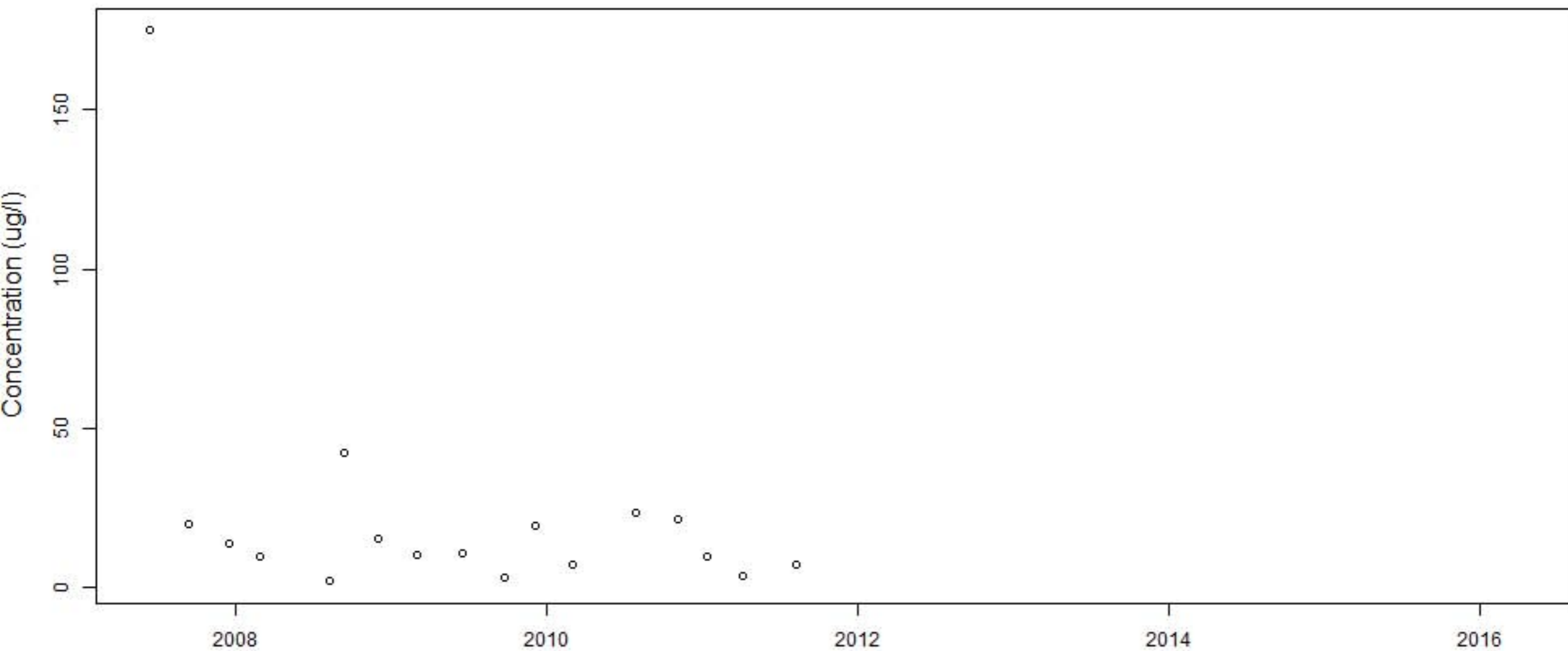
# BECY.10



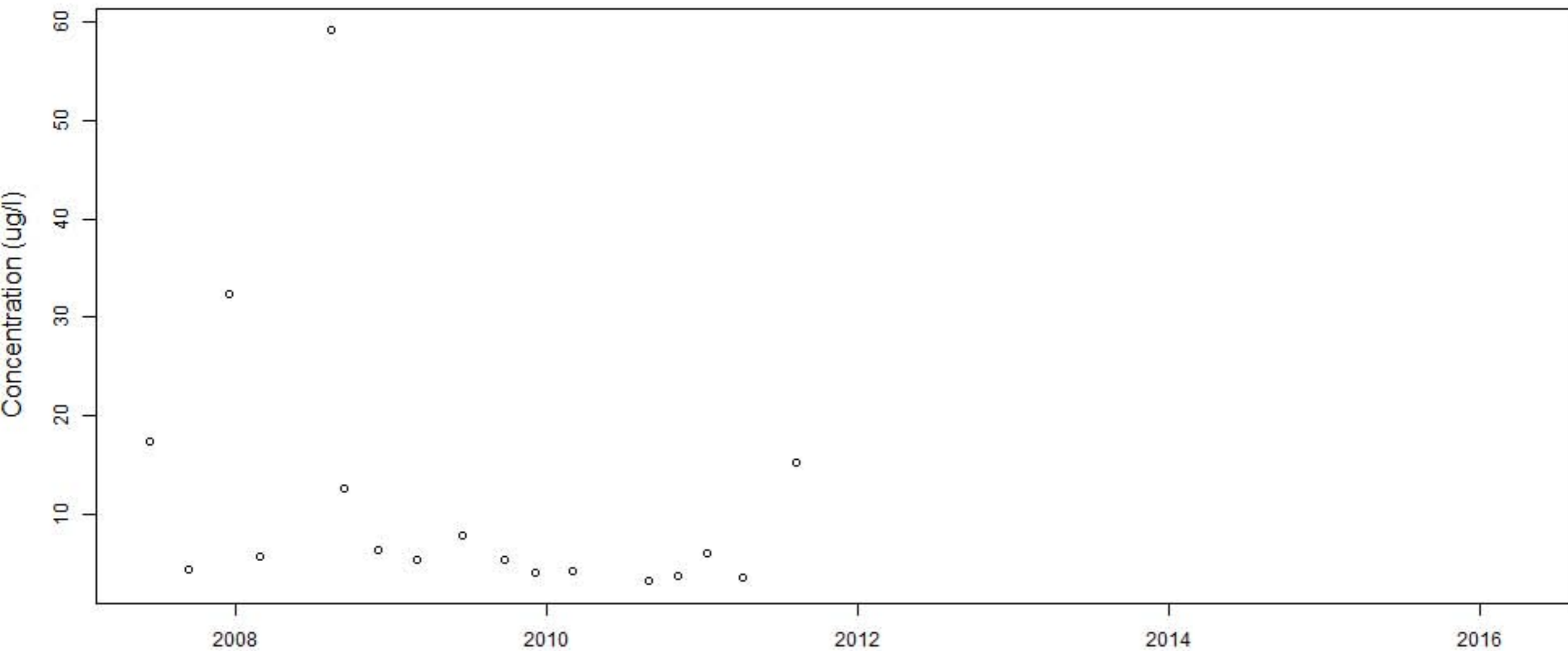
# BECY.11



# BECY.12

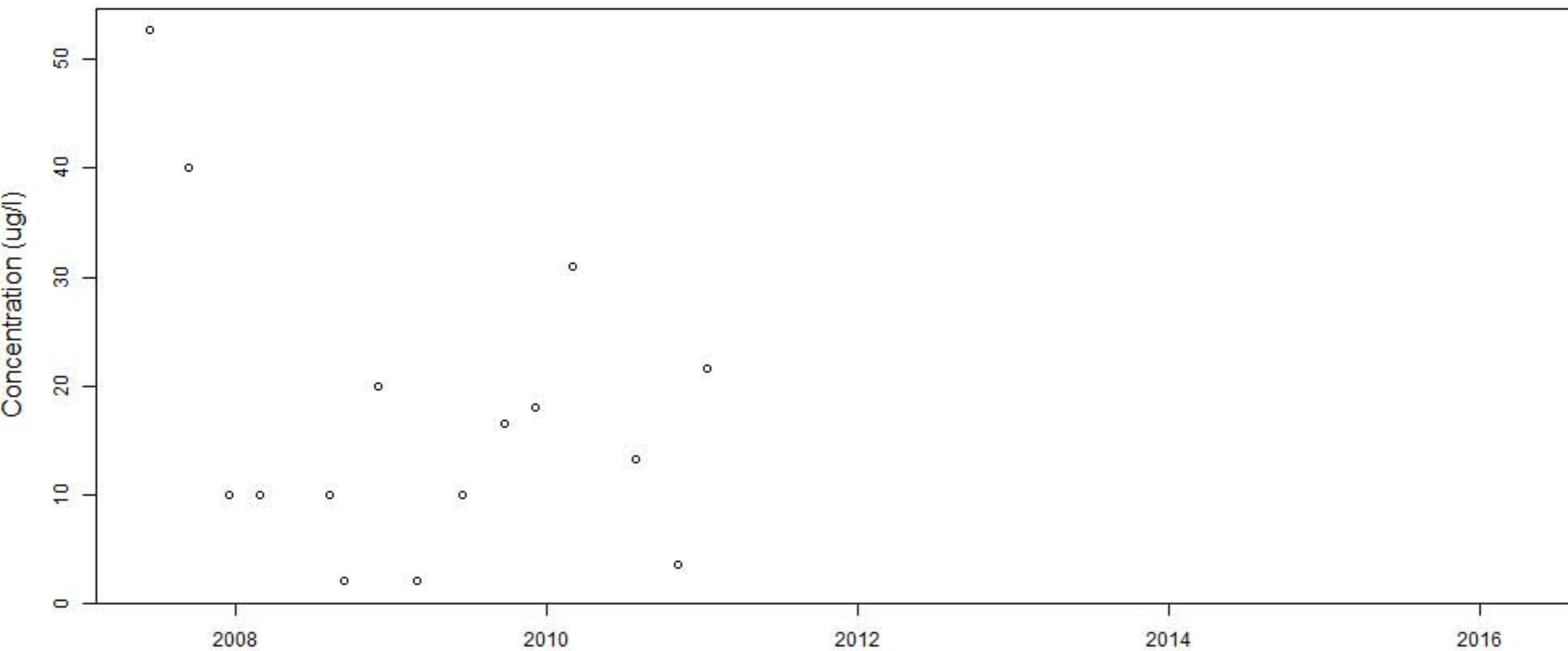


# BECY.13

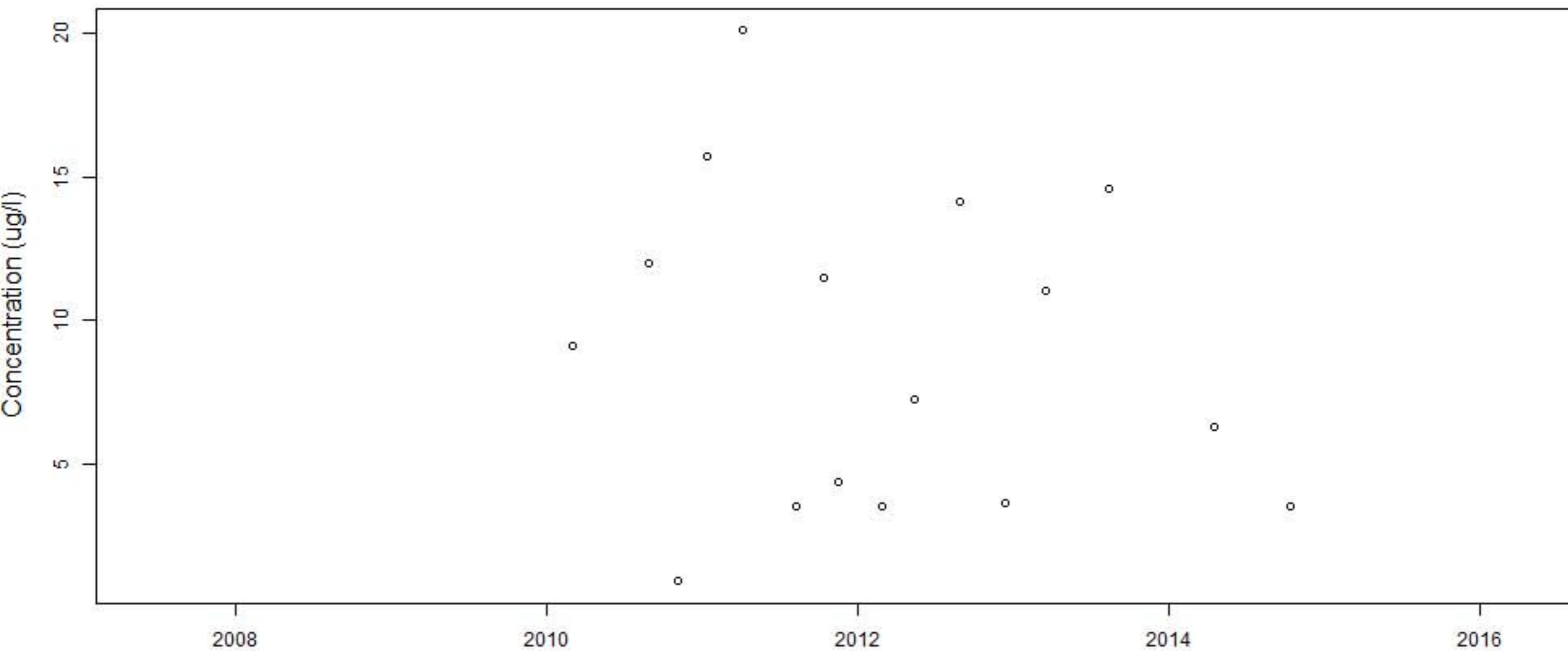




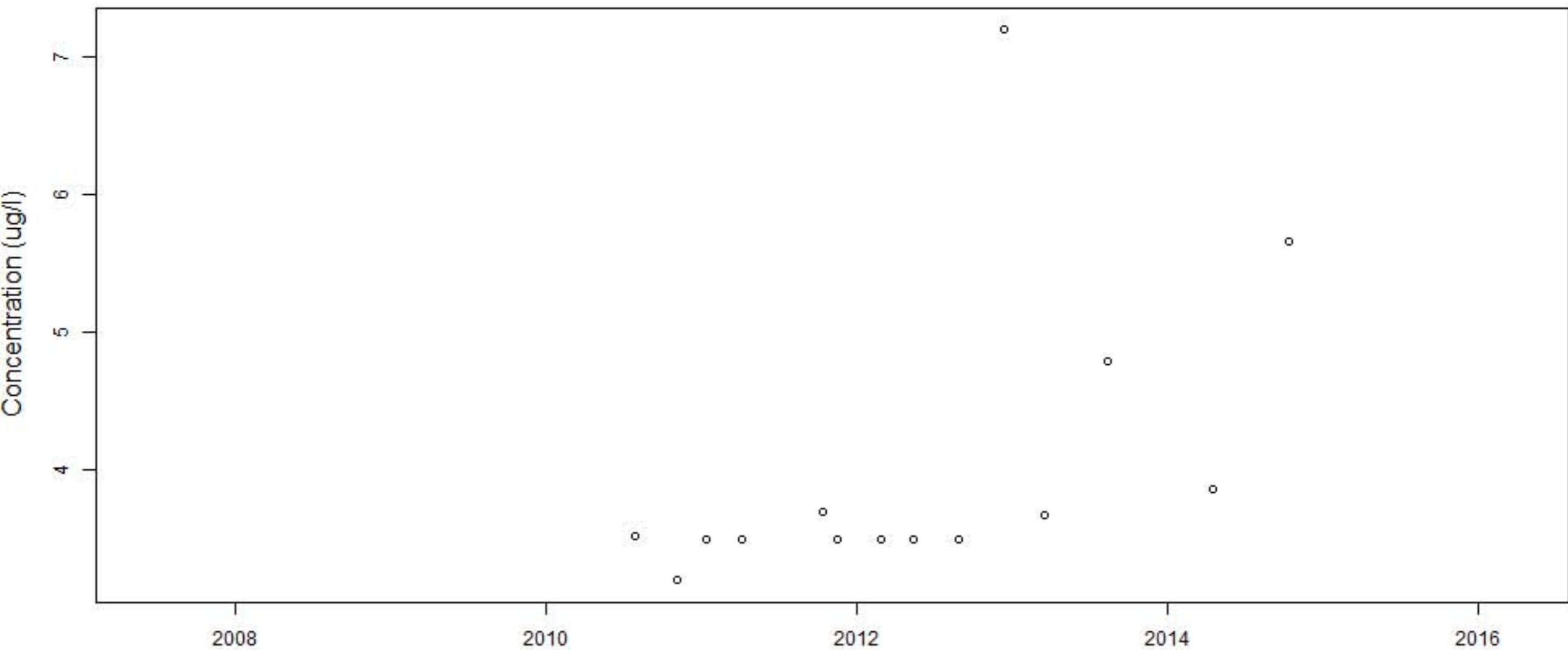
# BECY.14



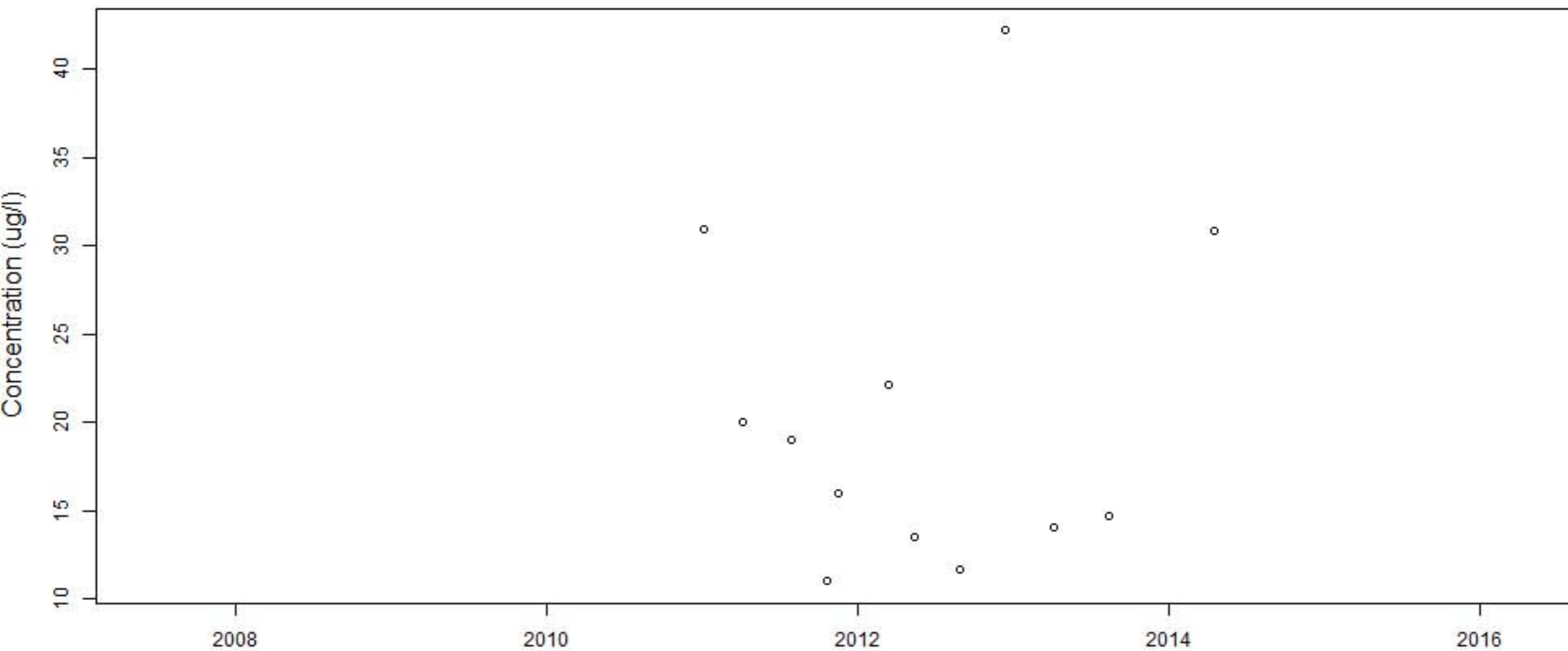
# BECY.15



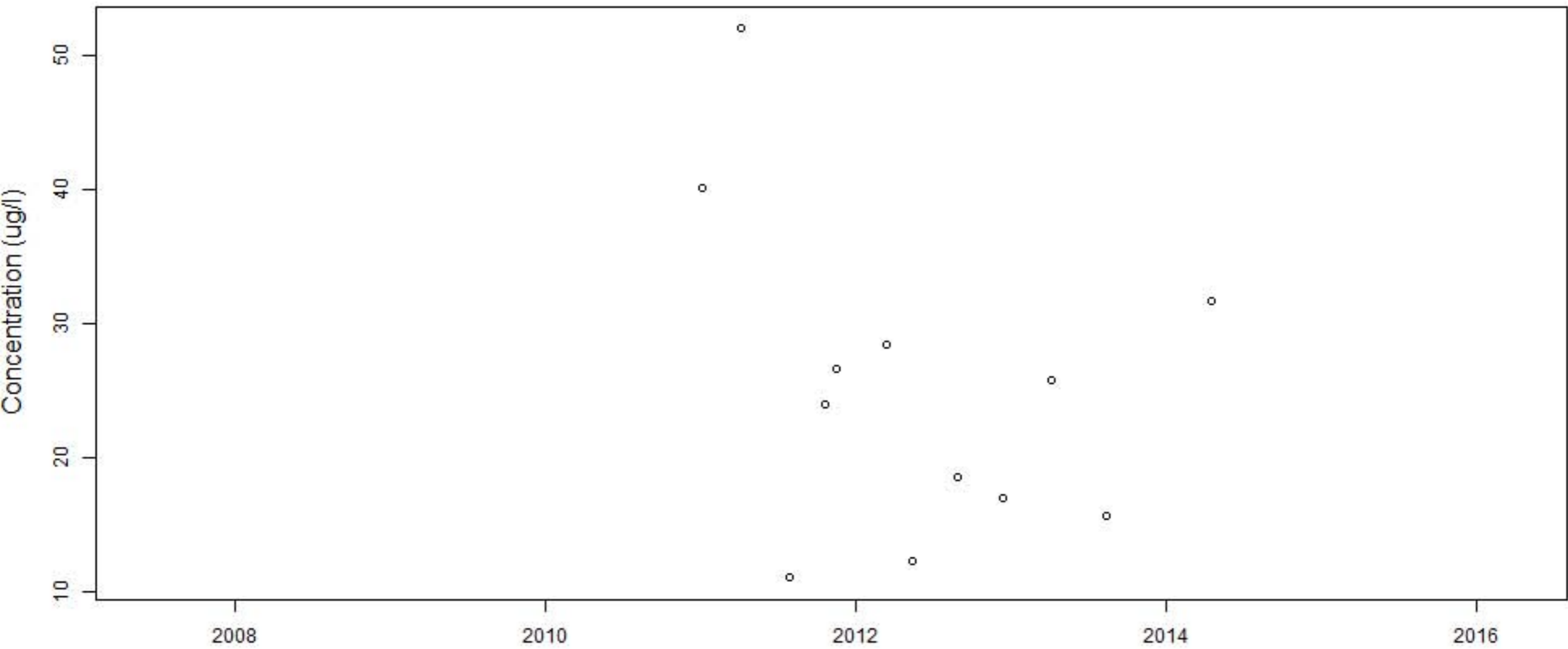
# BECY.16



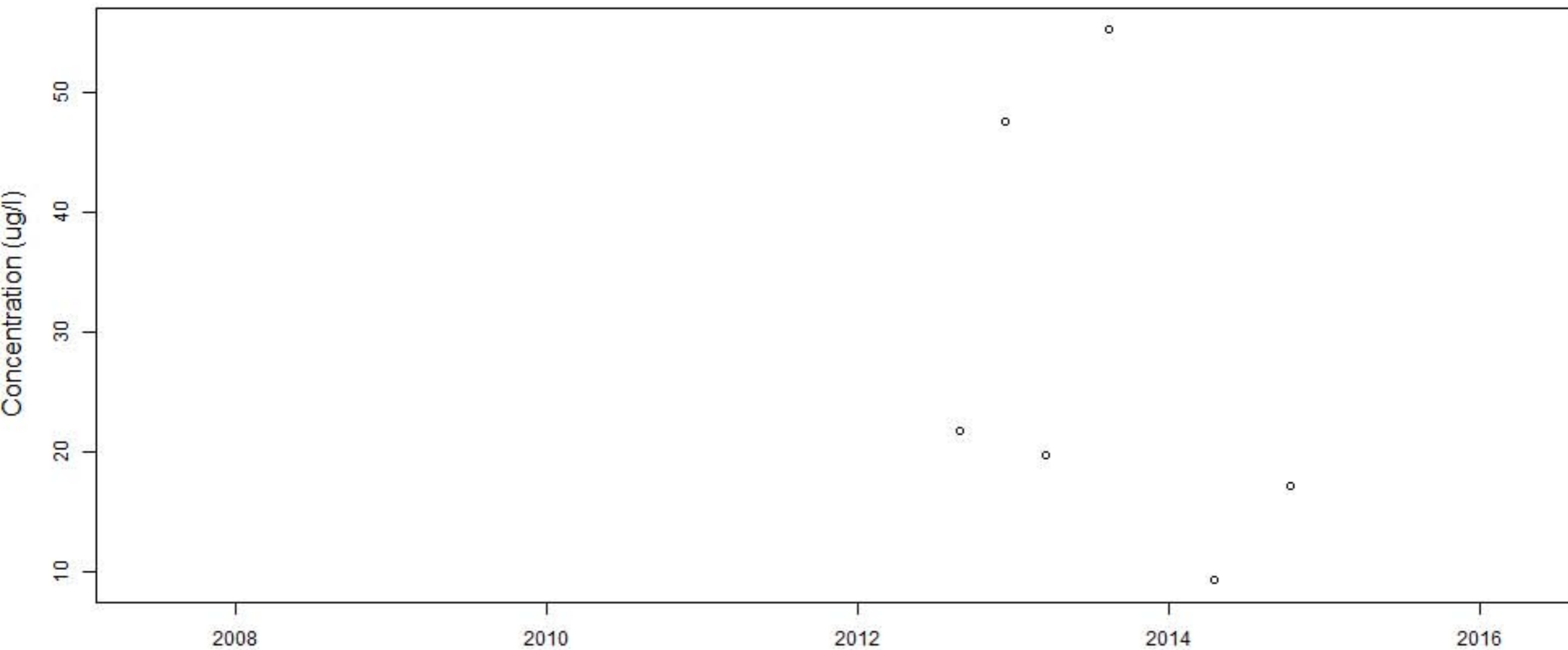
BECY.17a.After



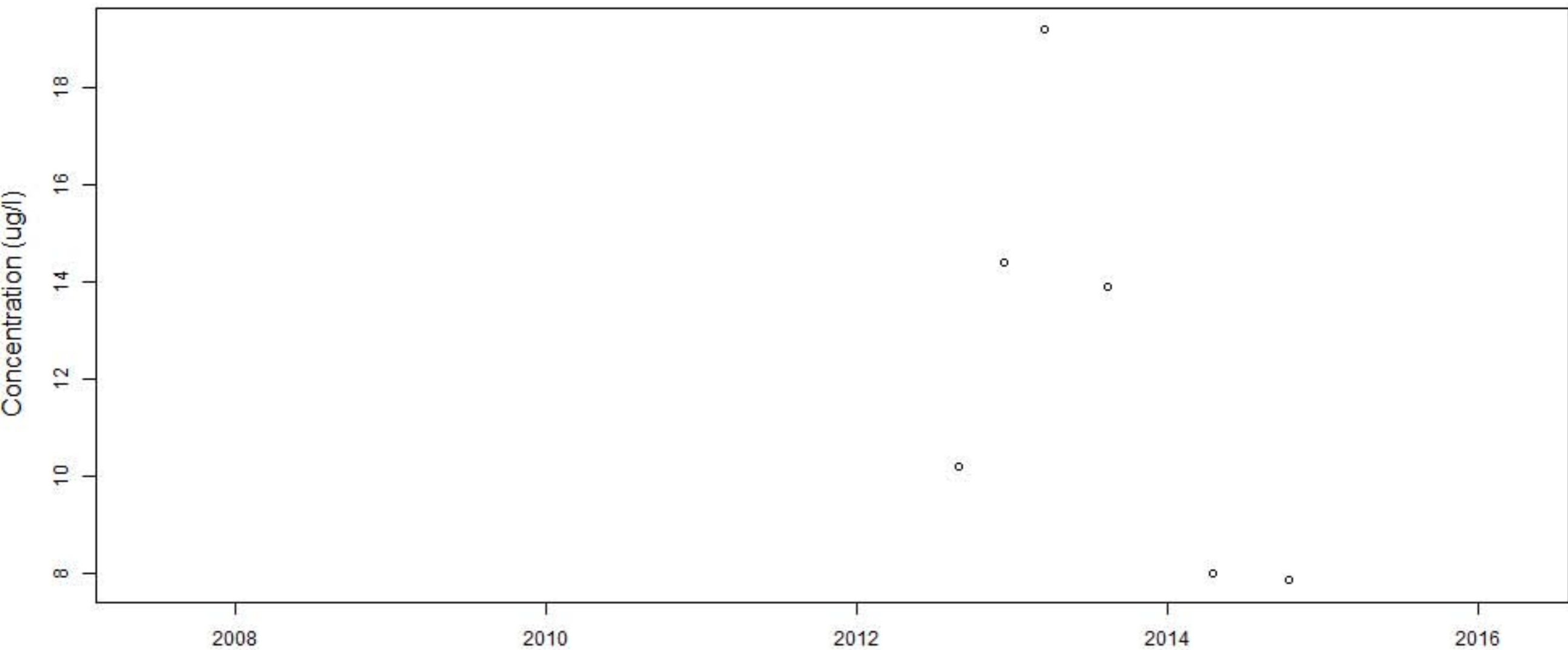
### BECY.17a.Grab



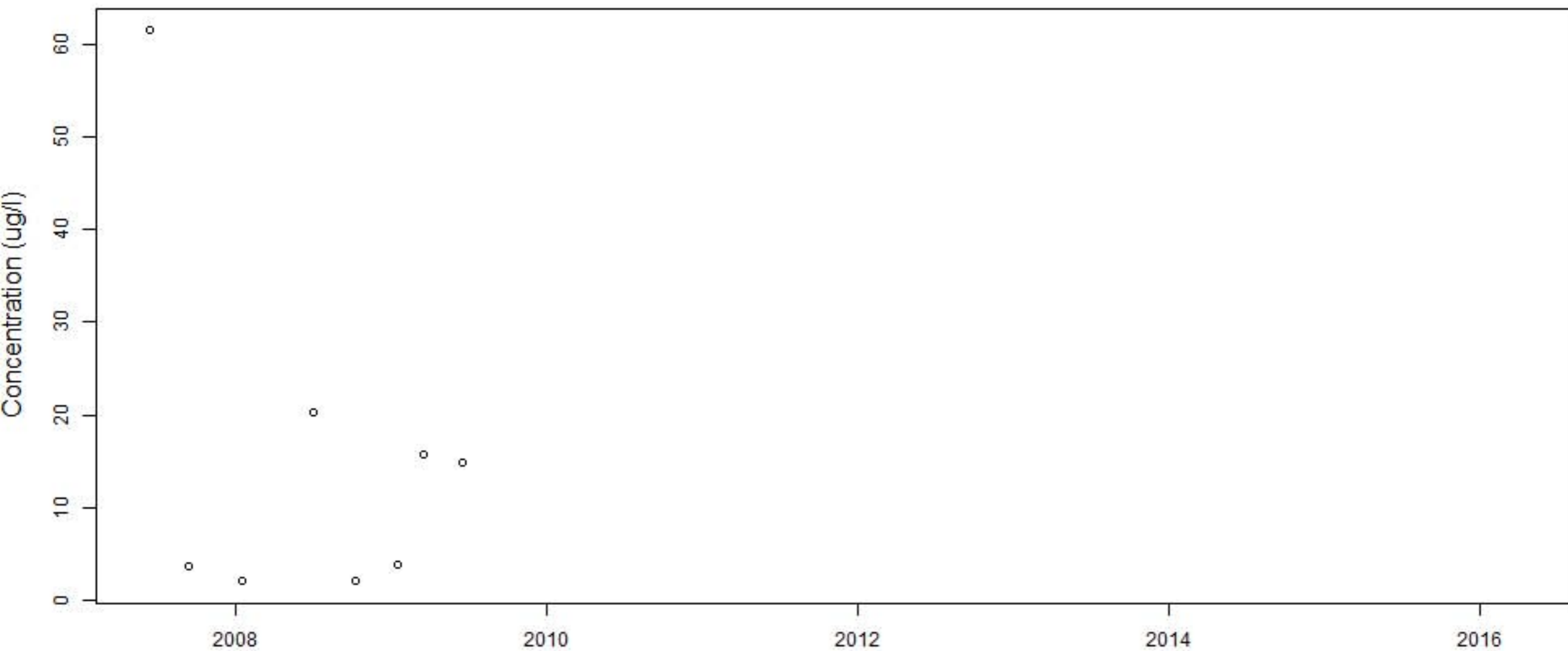
# BECY.18



# BECY.19

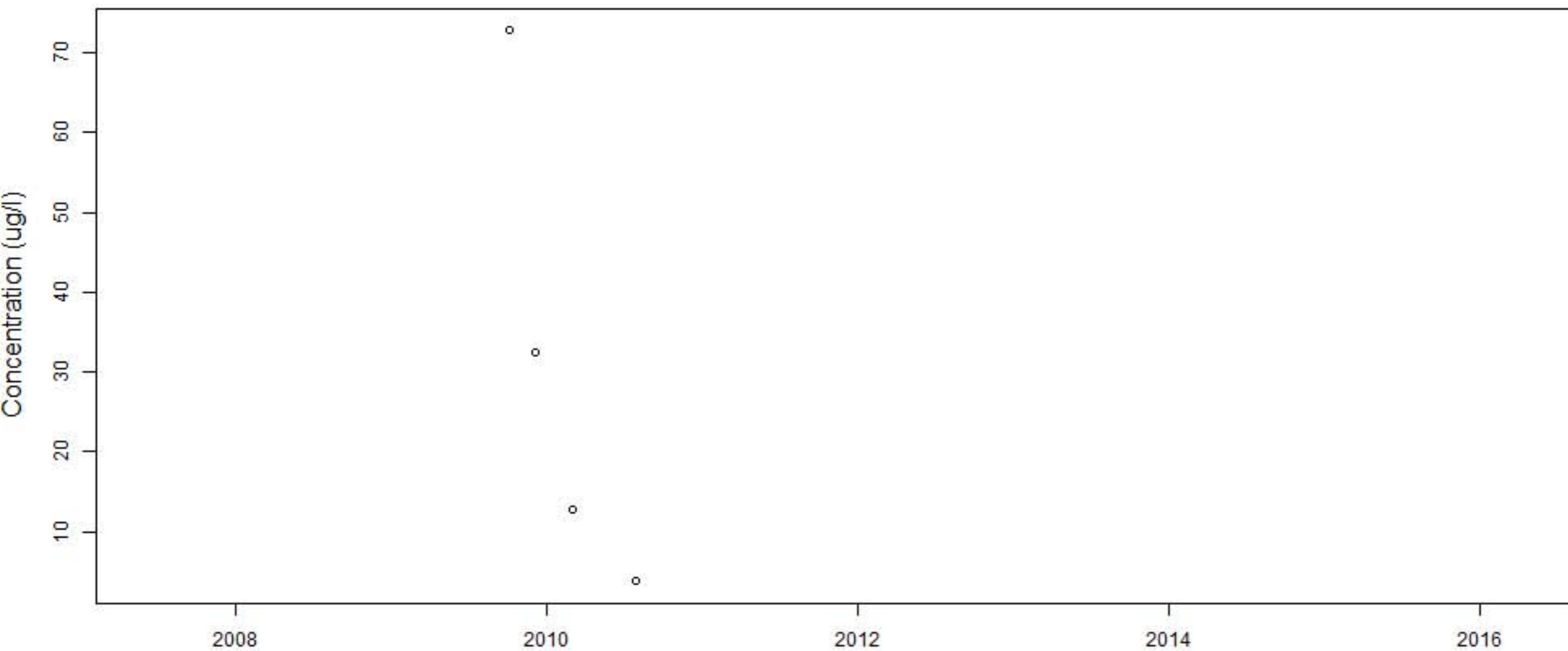


# BECY.1a.Comp

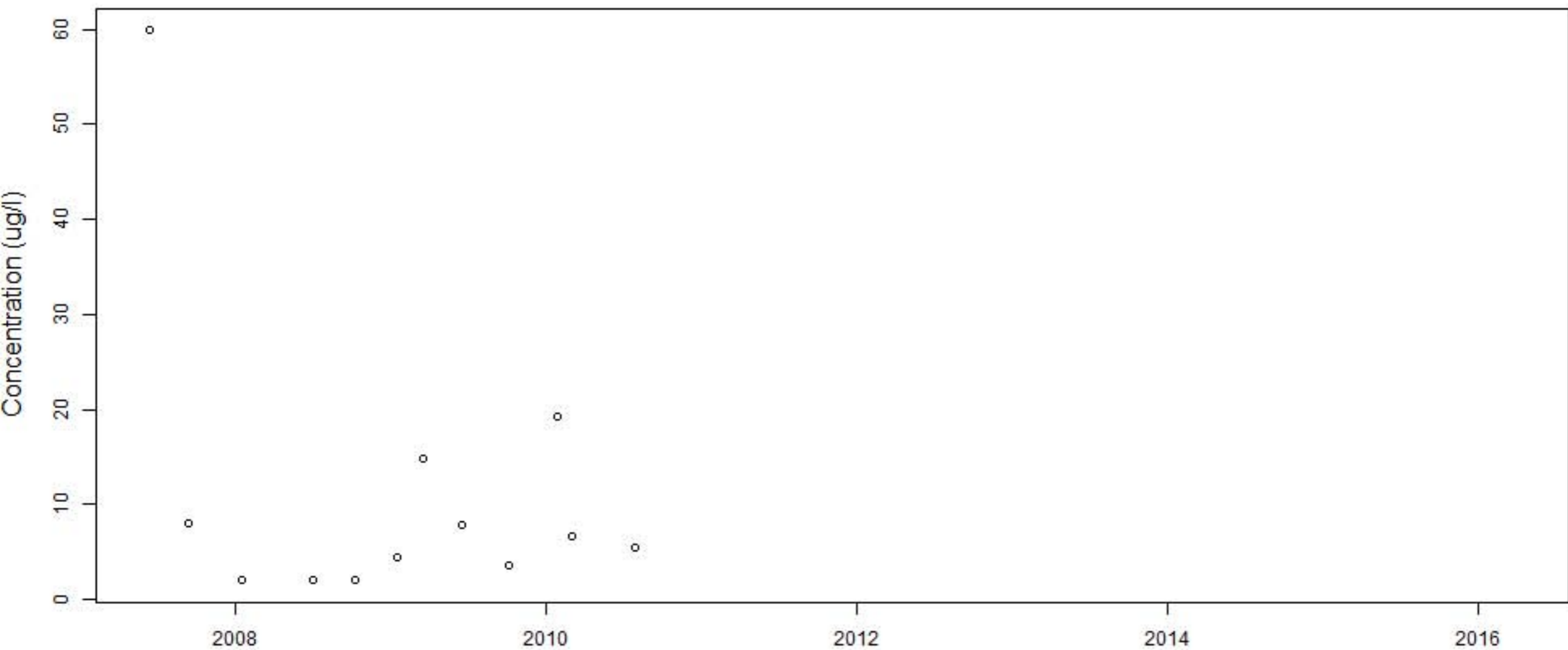




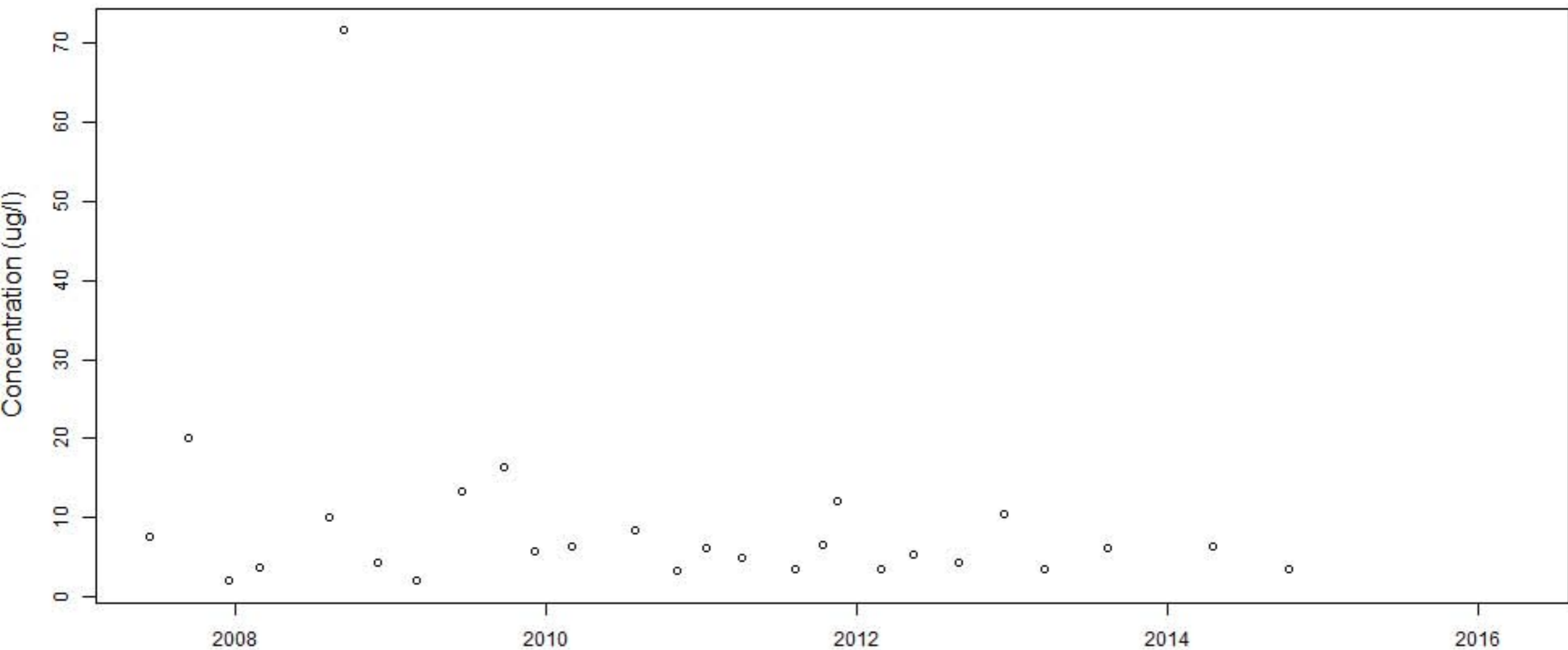
### BECY.1a.Grab.after



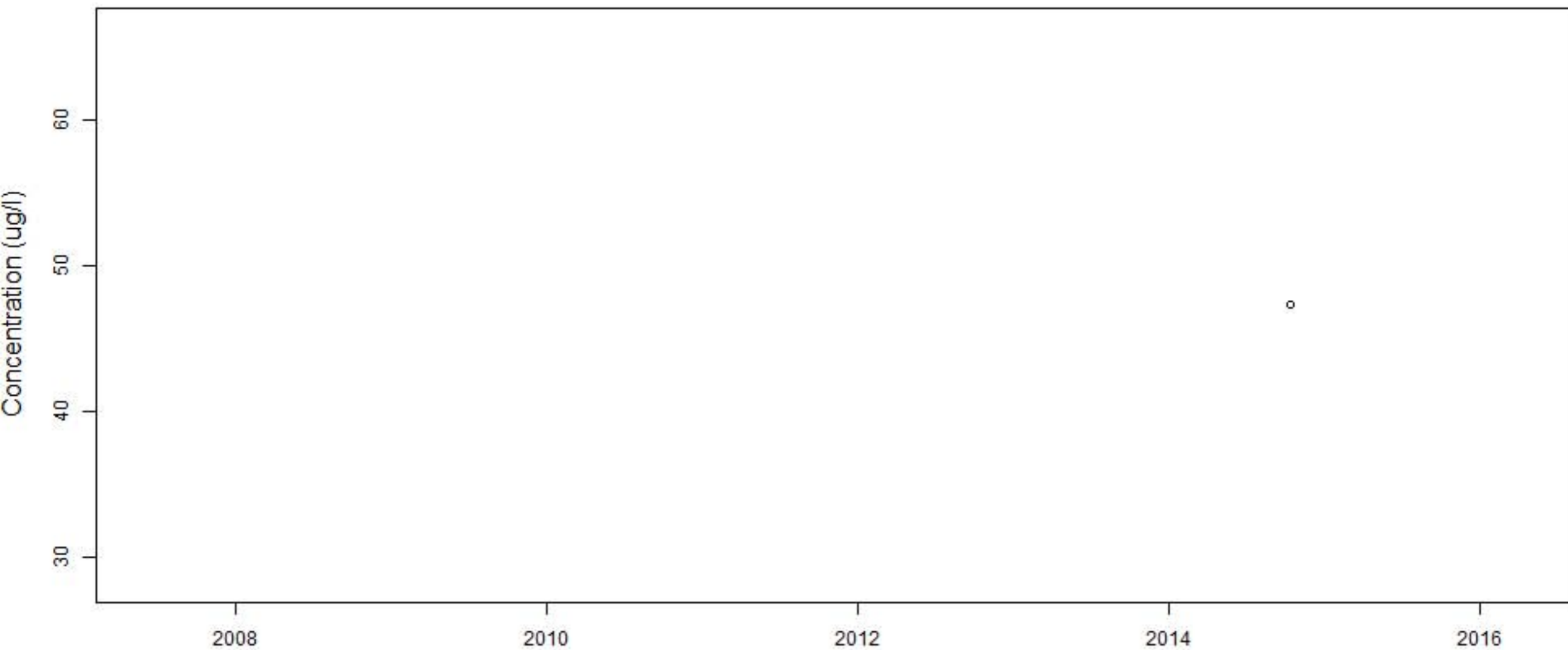
# BECY.1a.Grab



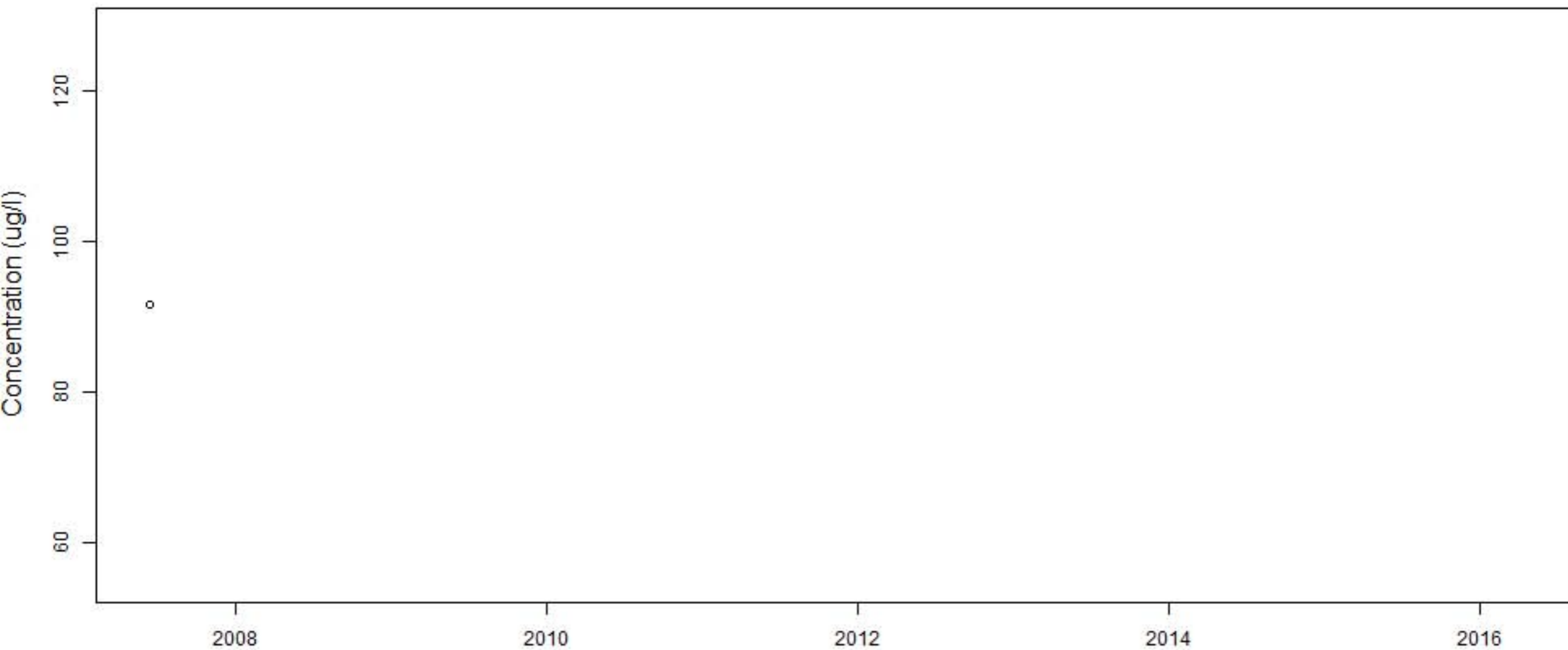
# BECY.2



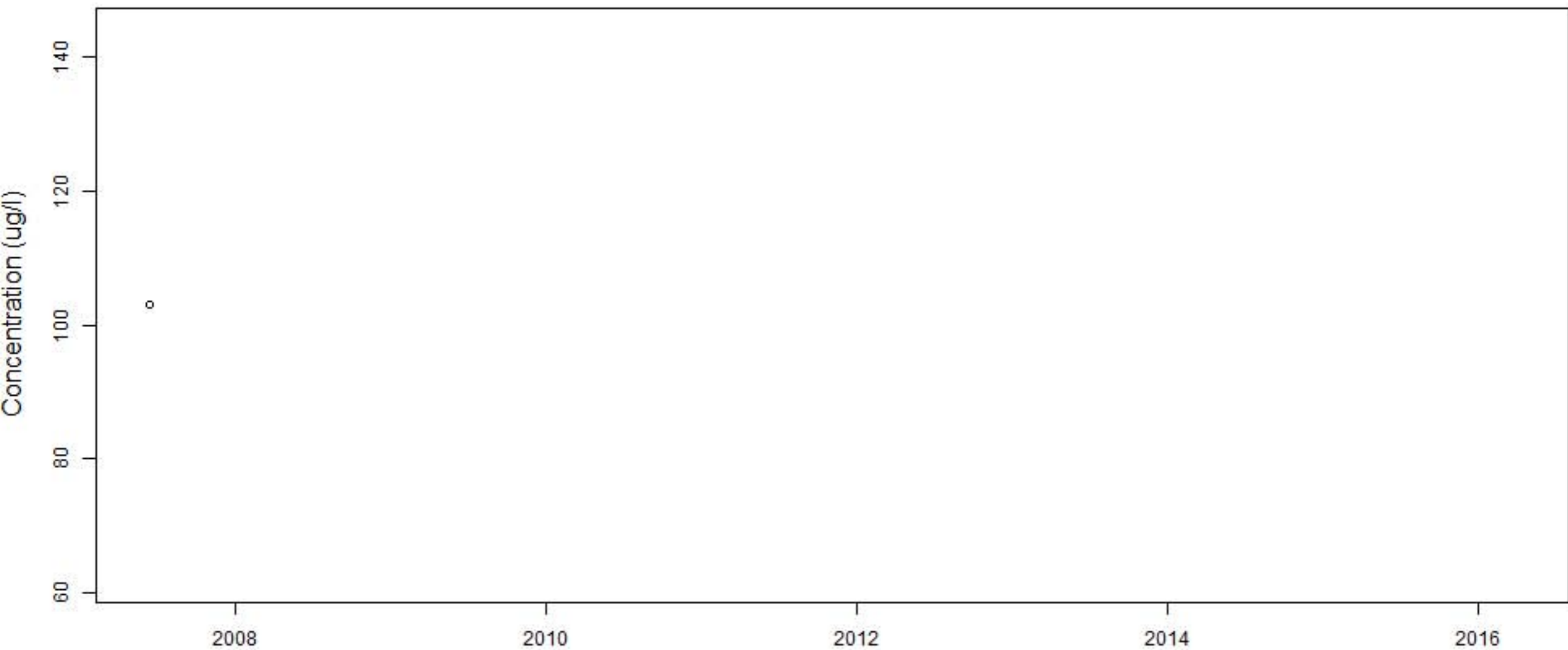
# BECY.20



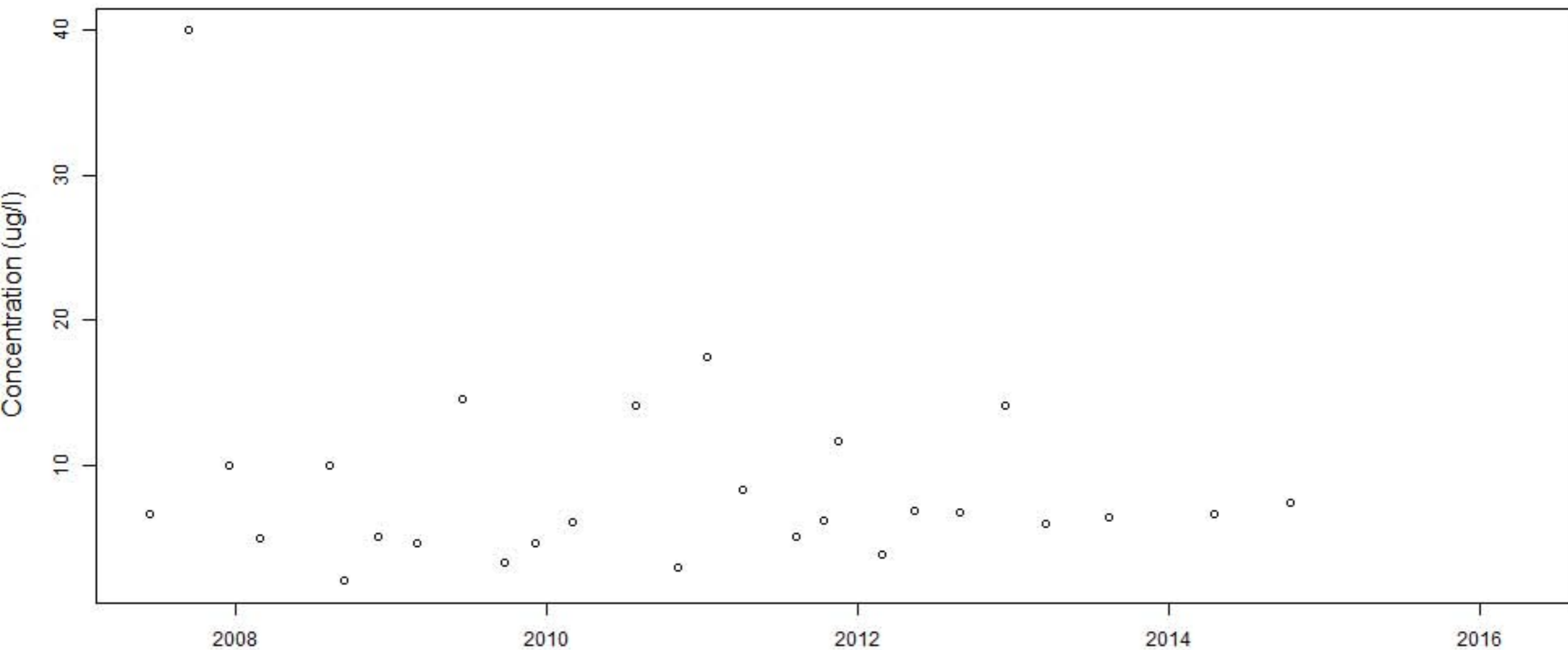
# BECY.2a.Comp



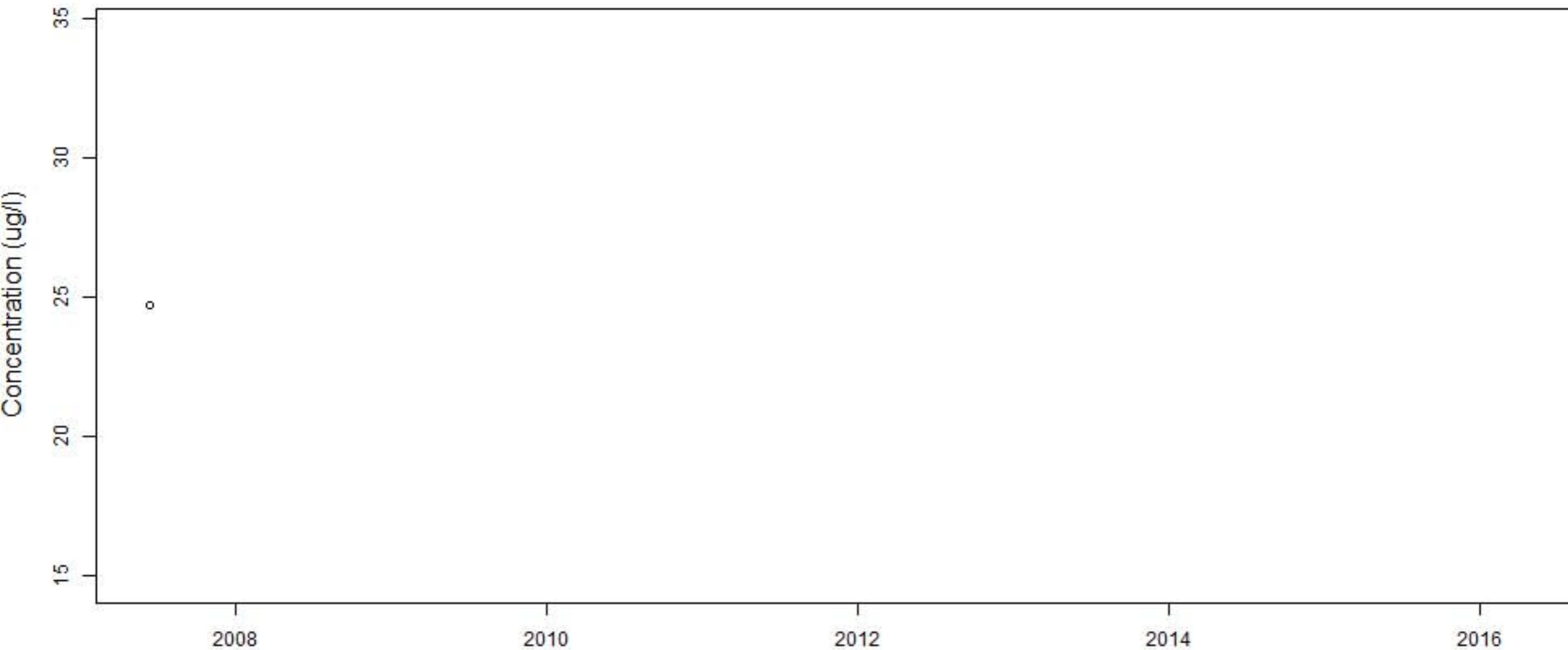
# BECY.2a.Grab



# BECY.3

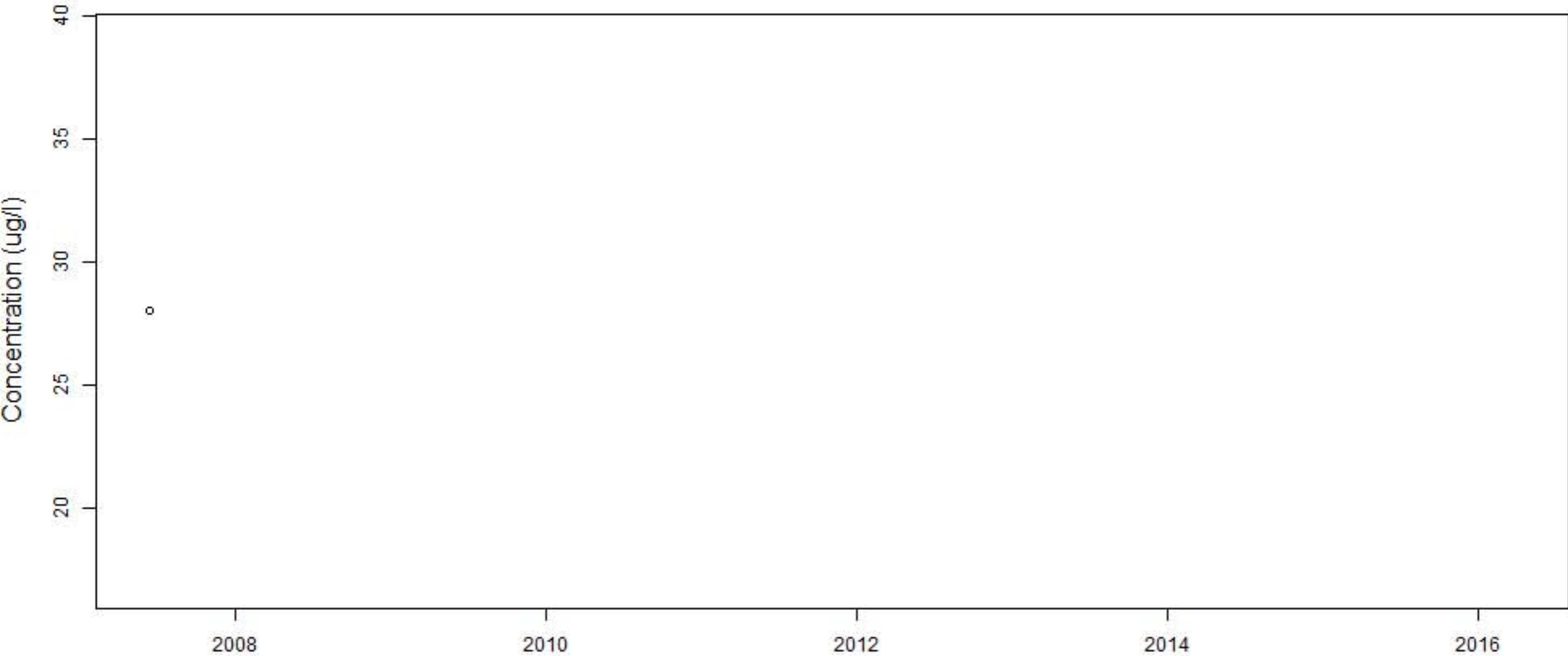


# BECY.3a.Comp

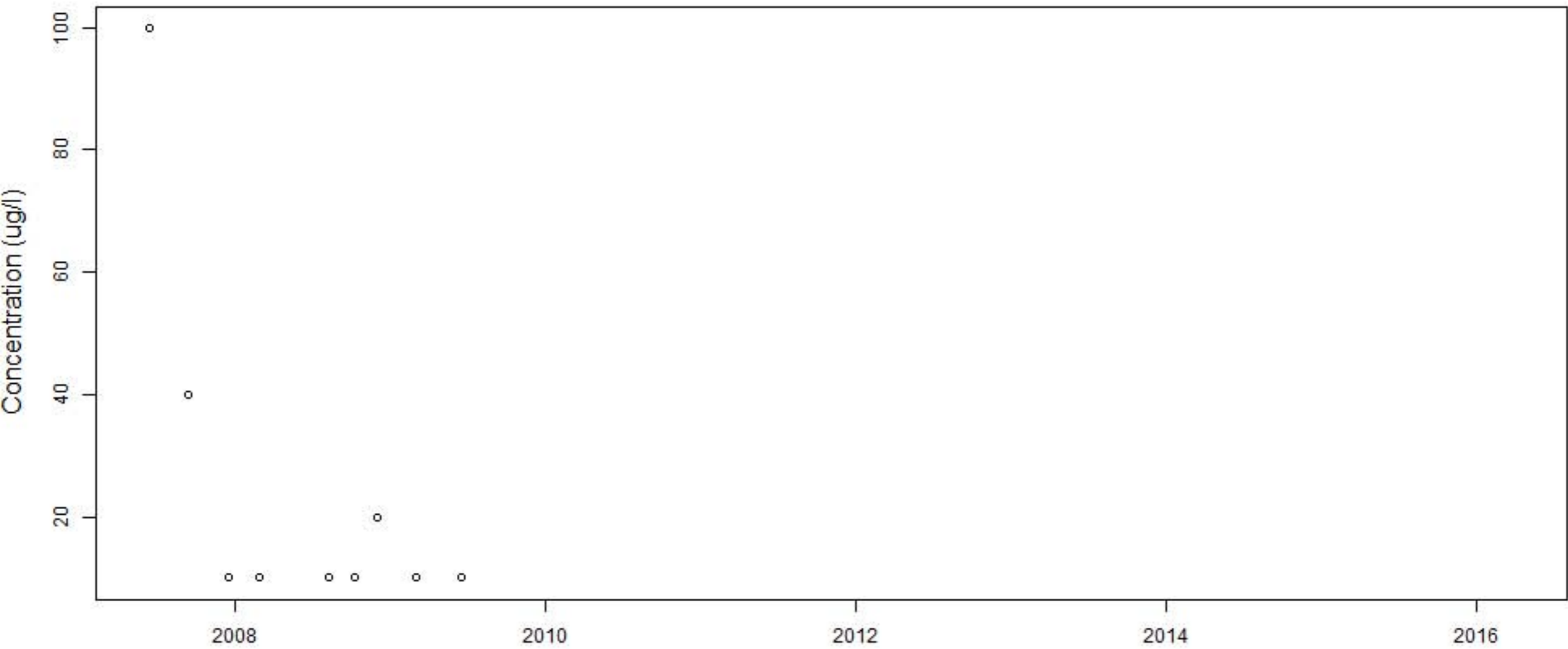




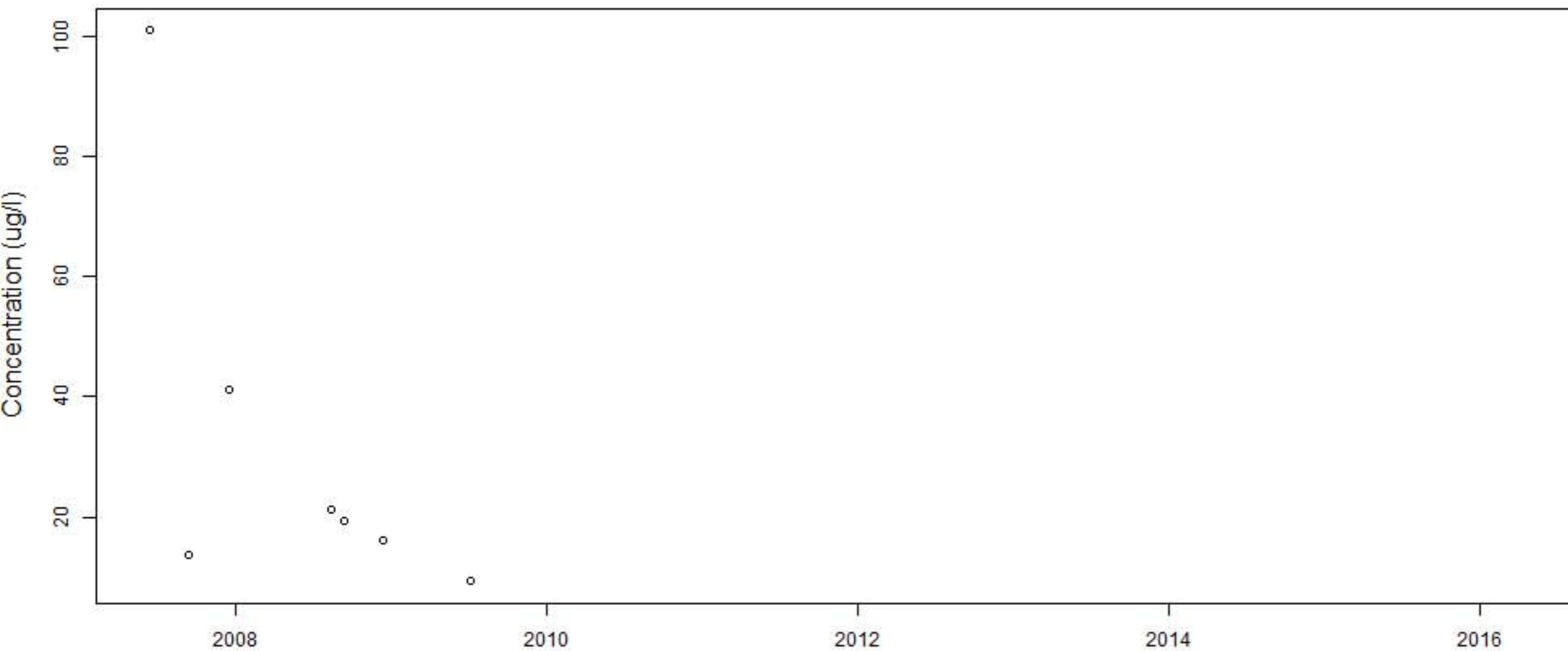
# BECY.3a.Grab



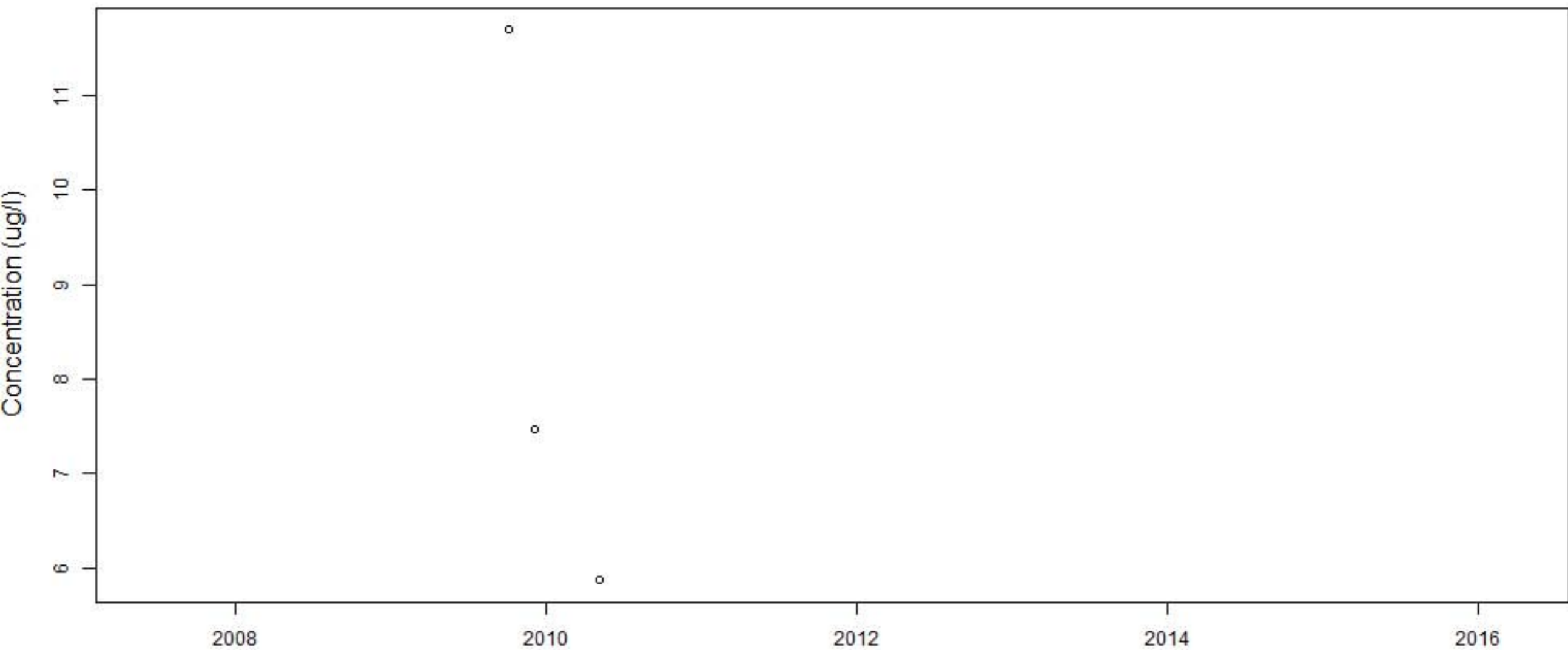
# BECY.4



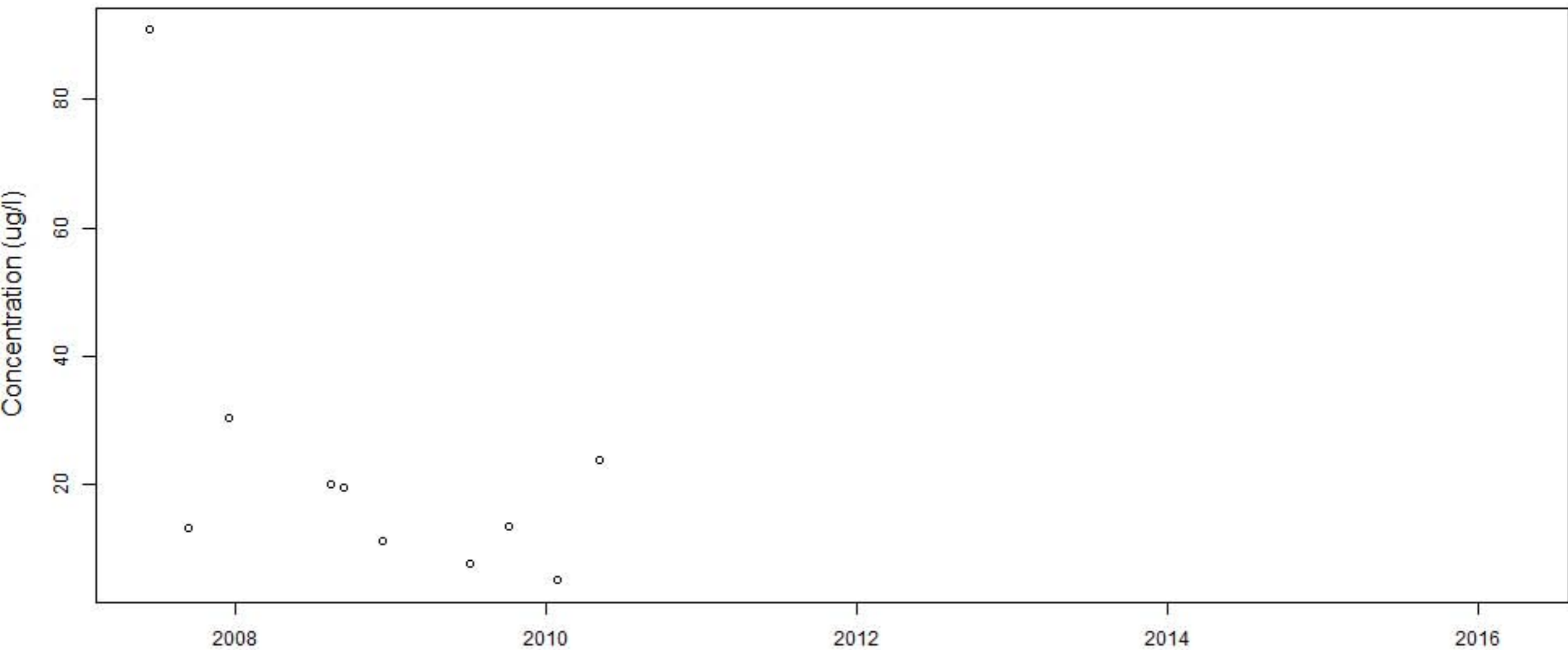
# BECY.4a.Comp



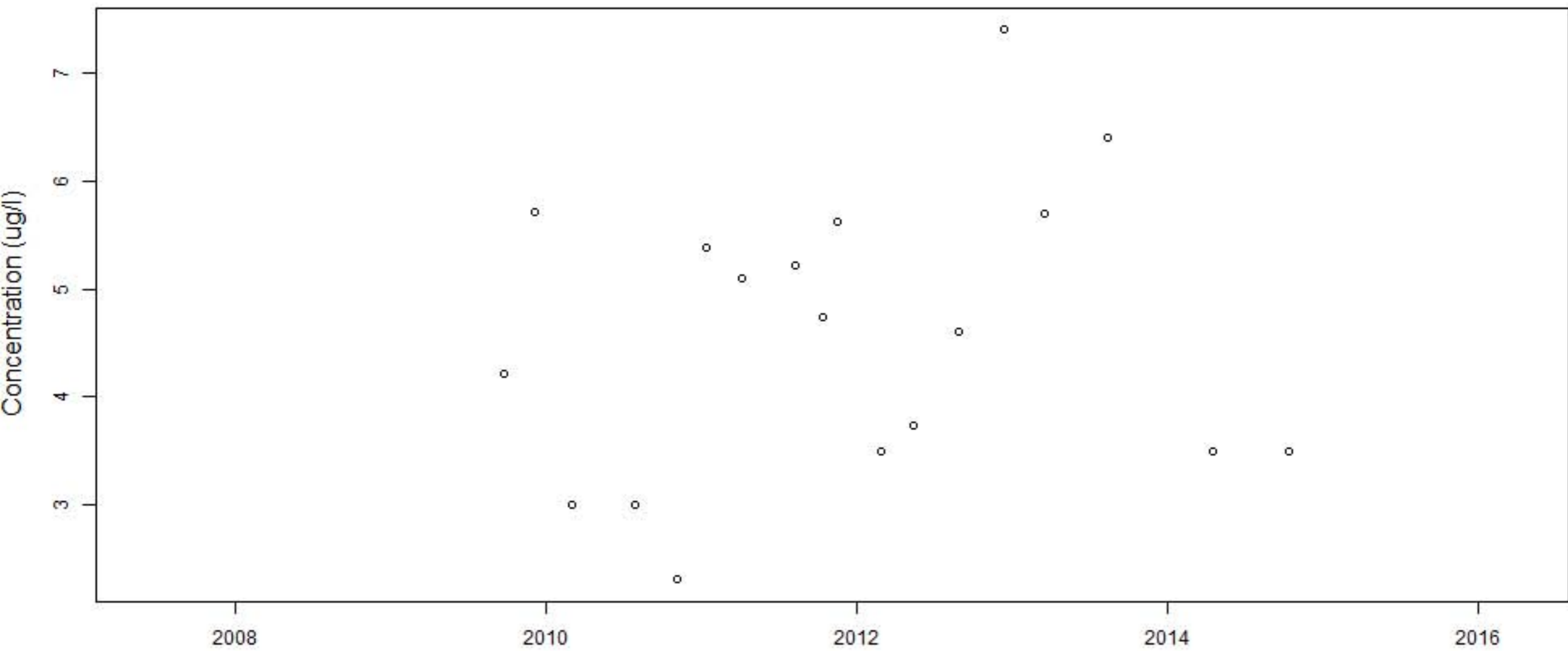
### BECY.4a.Grab.after



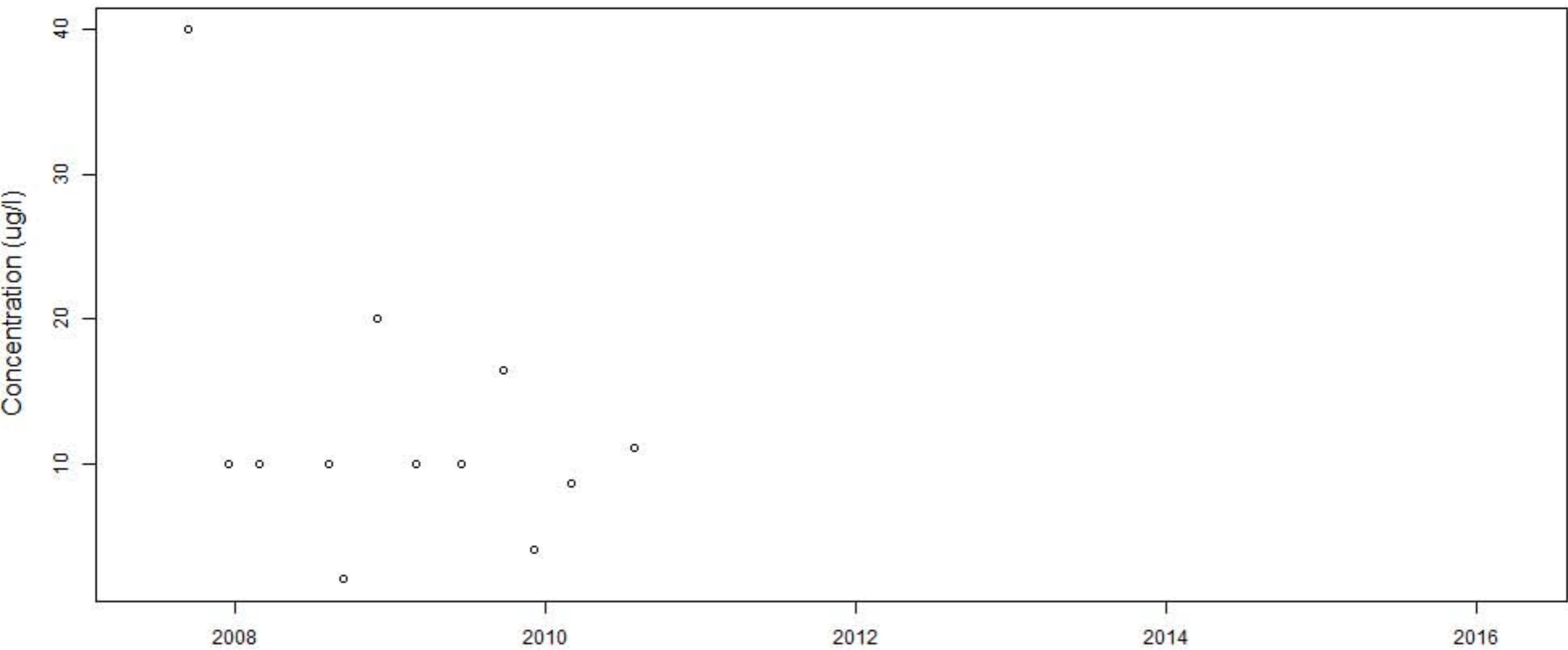
# BECY.4a.Grab



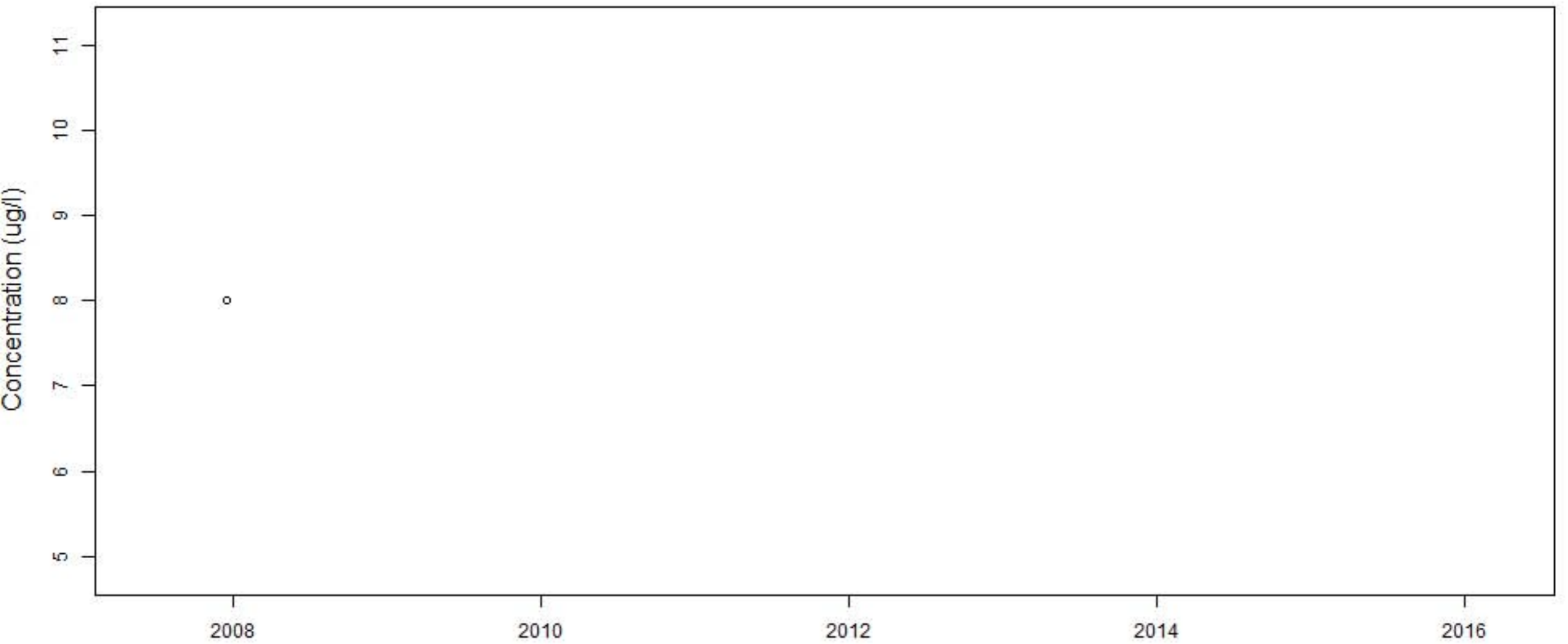
# BECY.4r



# BECY.5

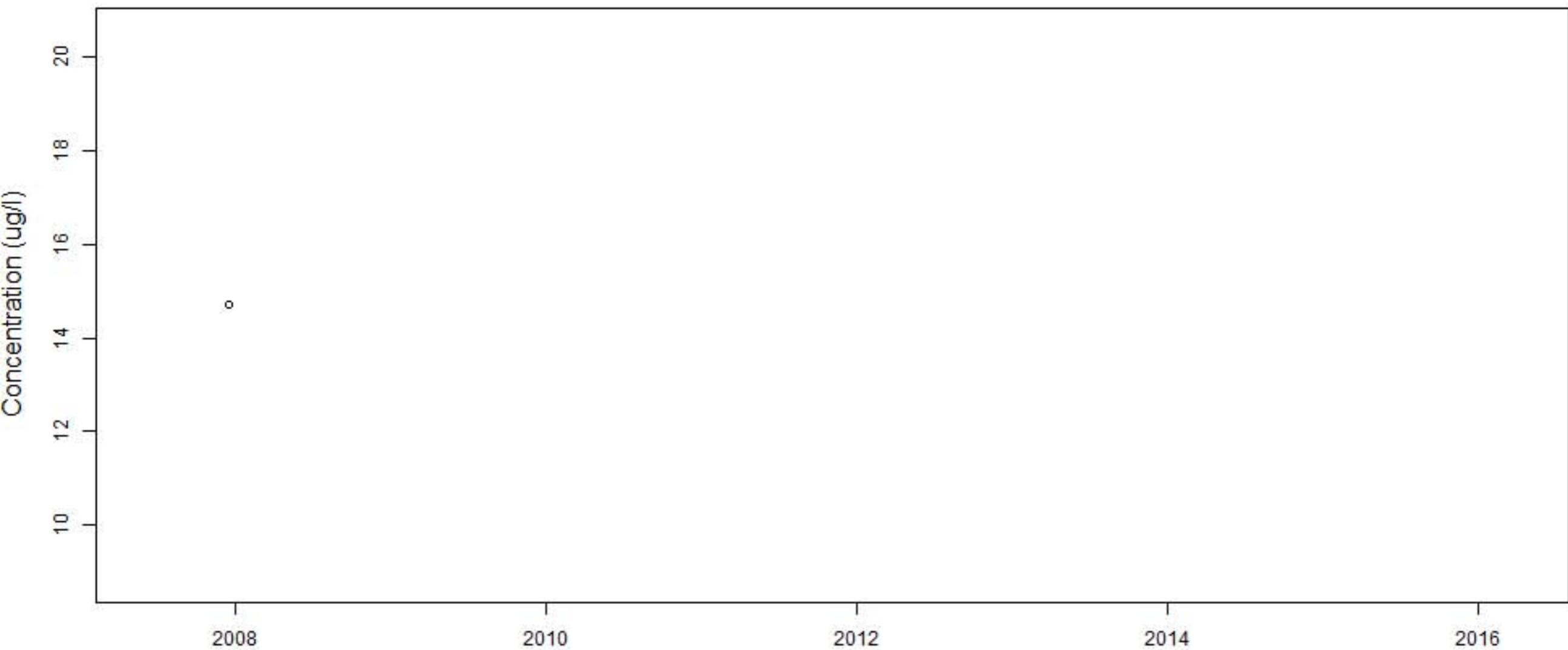


# BECY.5A.Comp

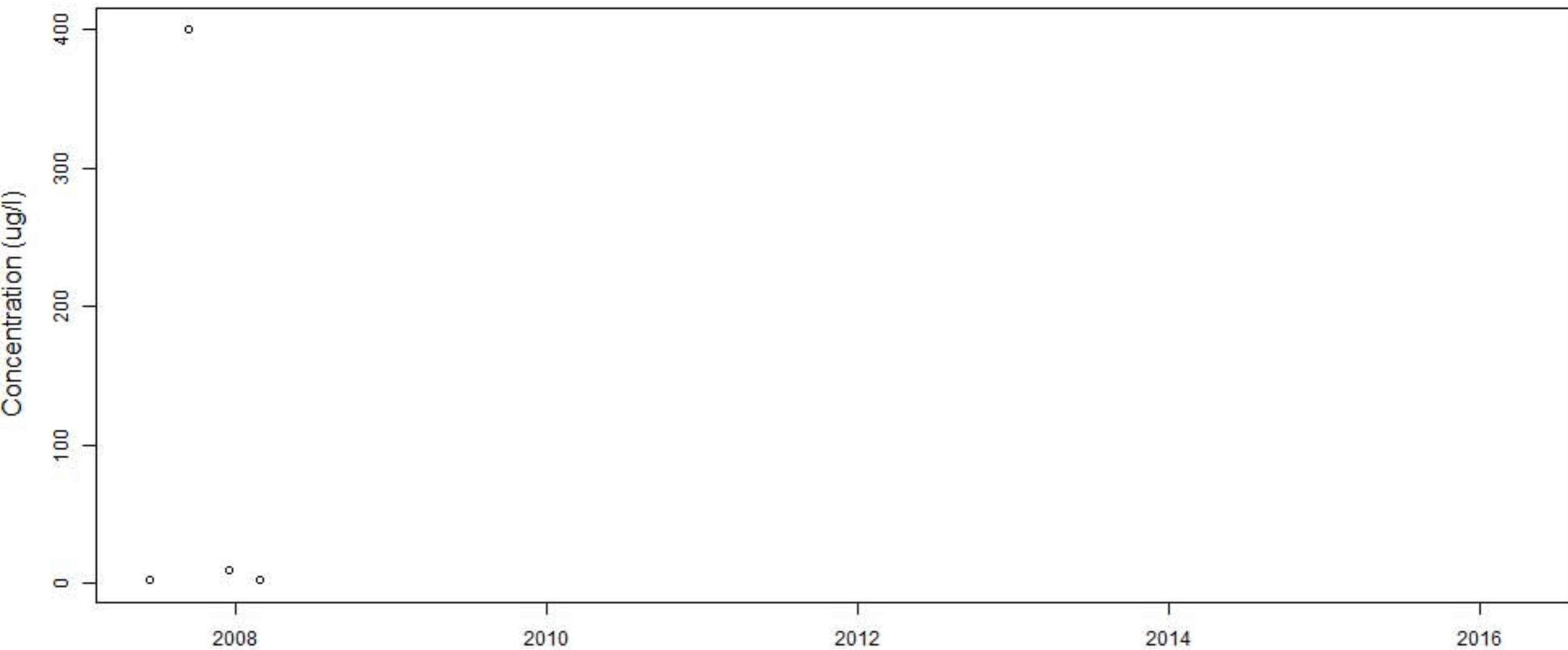




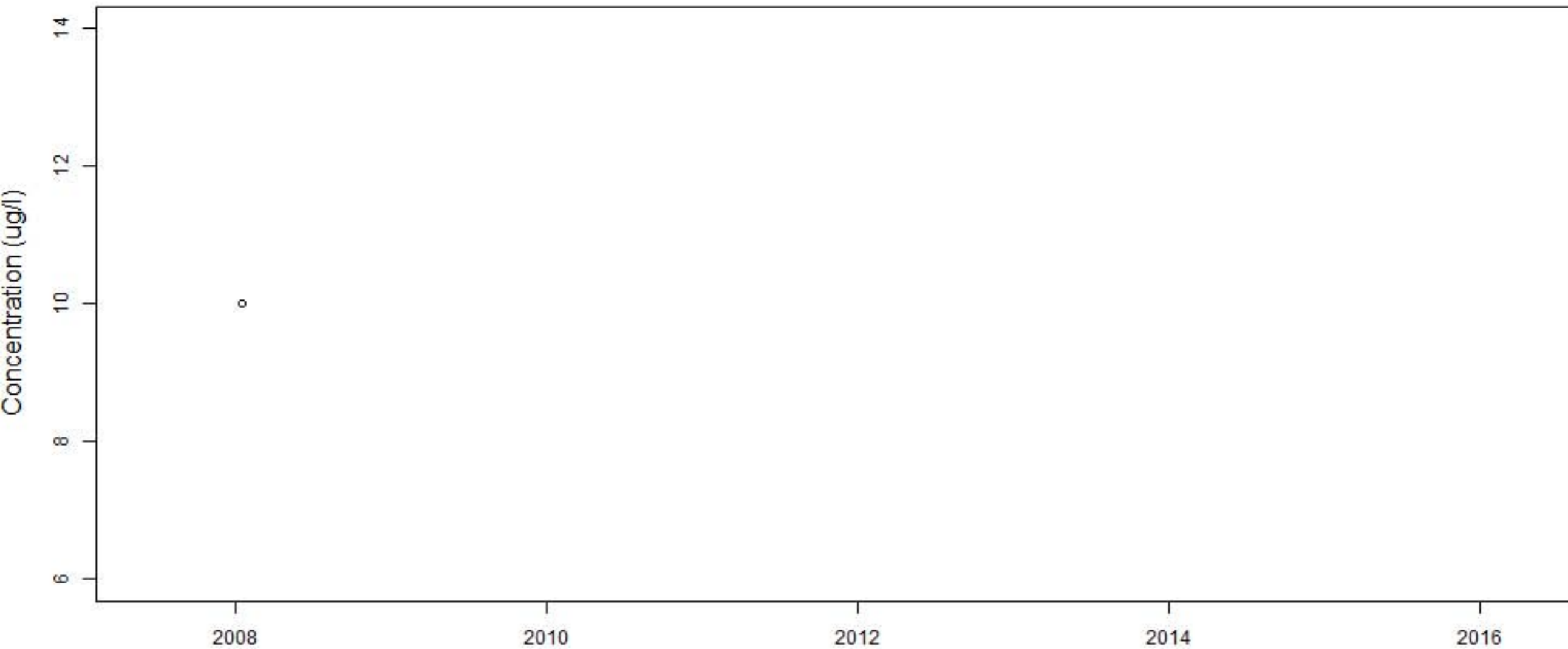
# BECY.5A.Grab



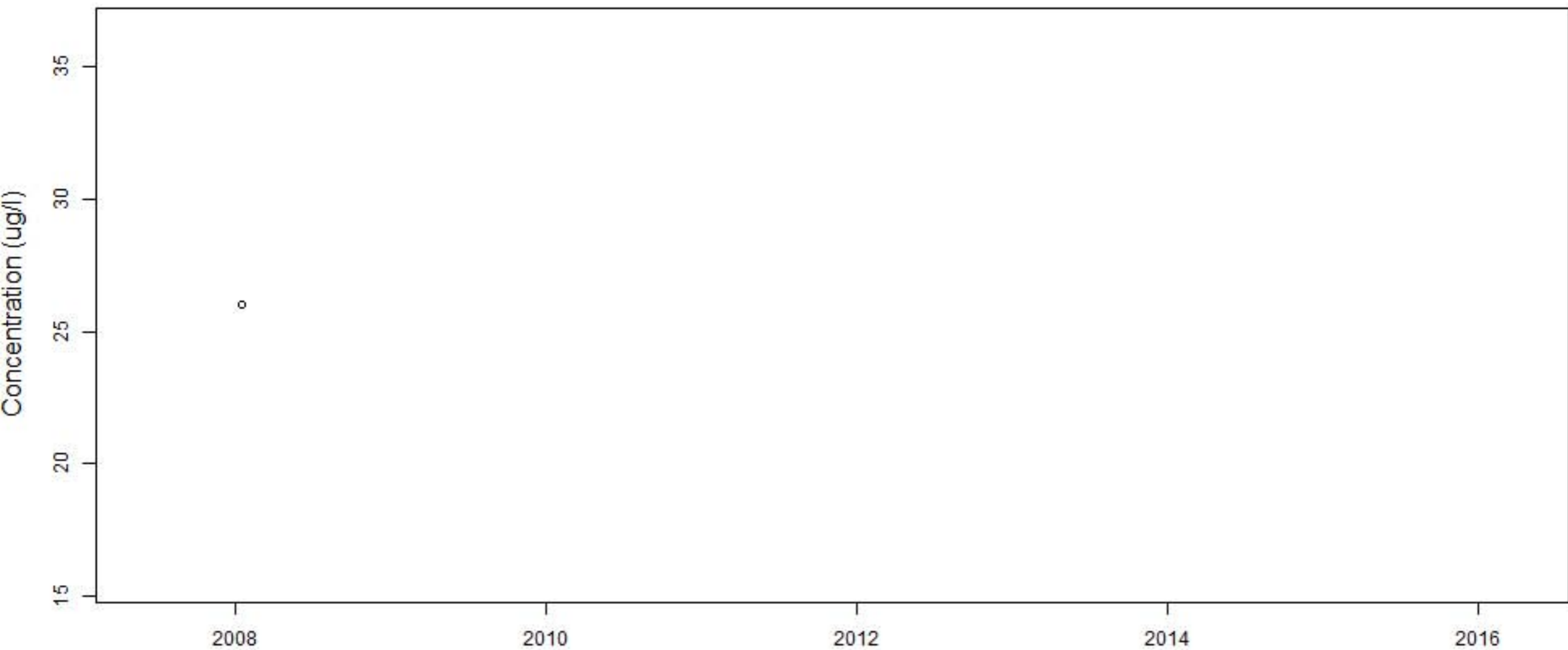
# BECY.6



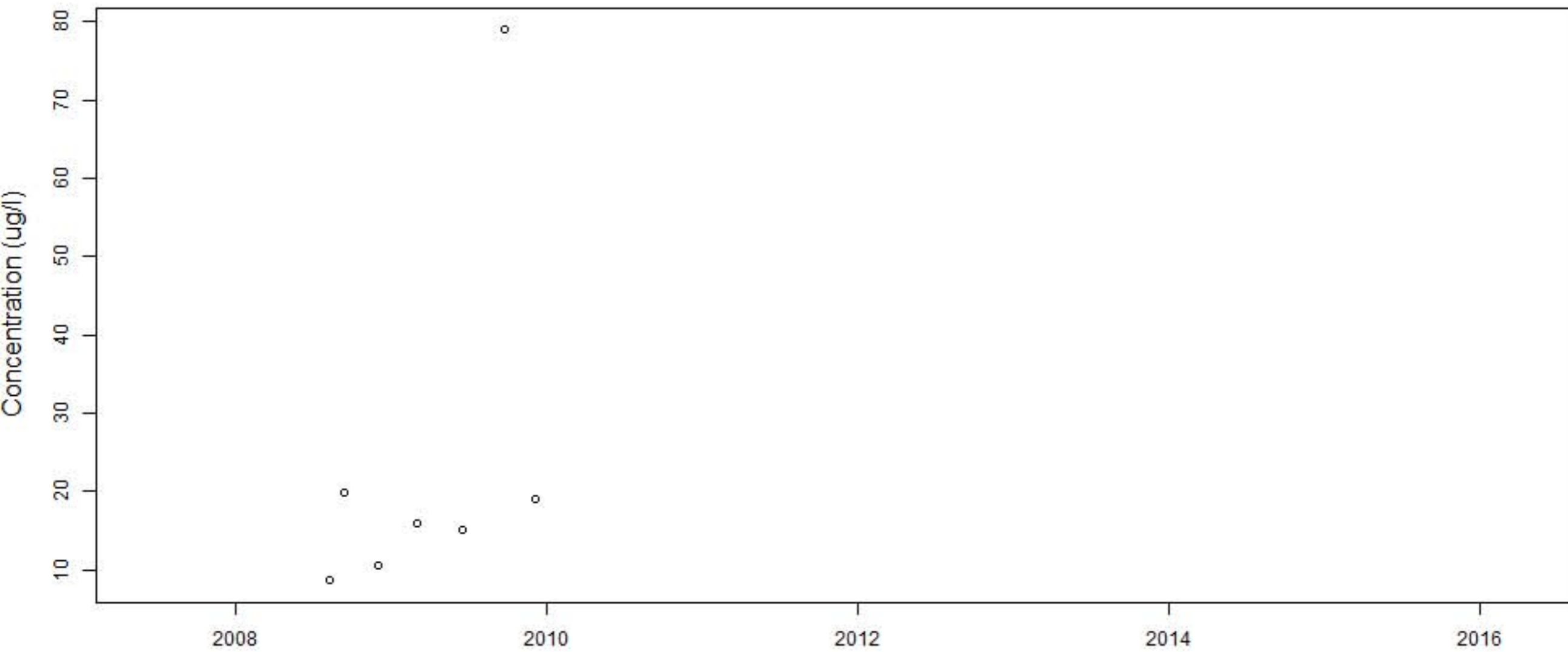
# BECY.6A.Comp



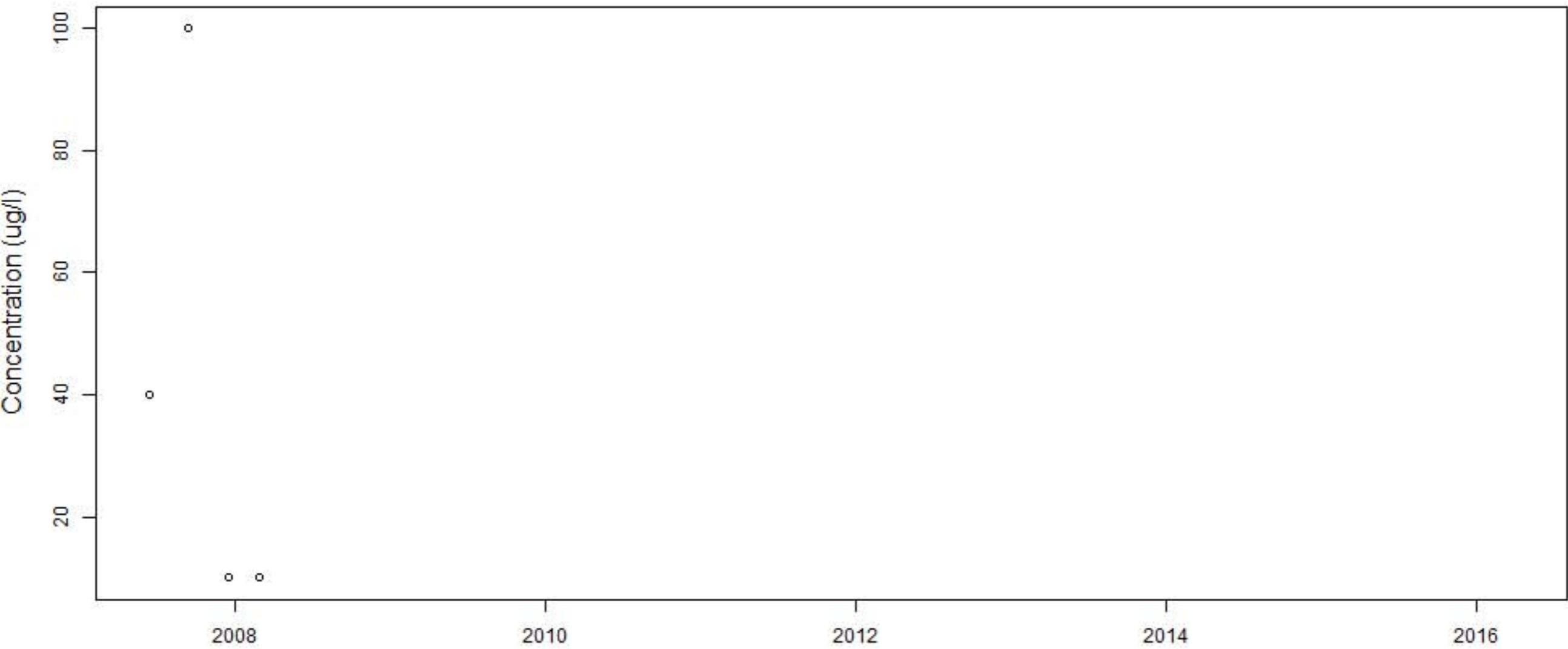
# BECY.6A.Grab



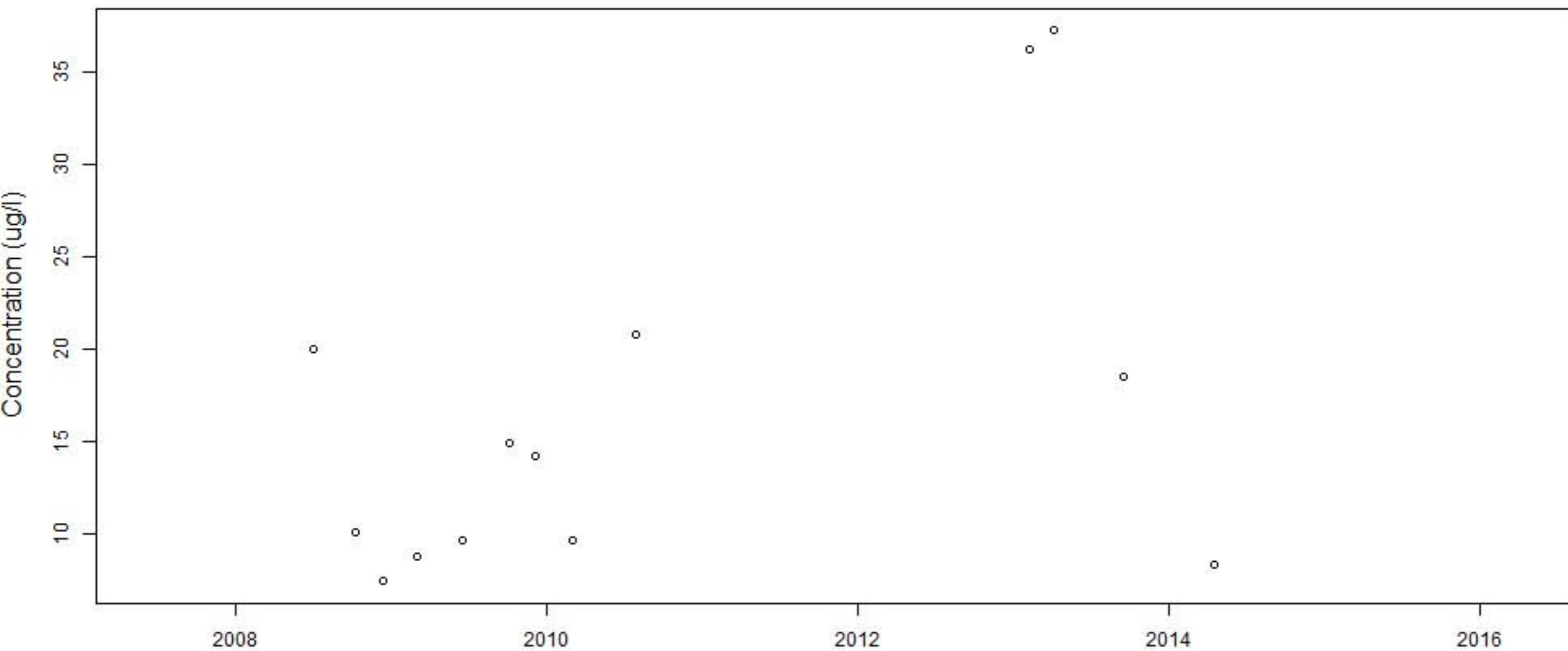
# BECY.6r



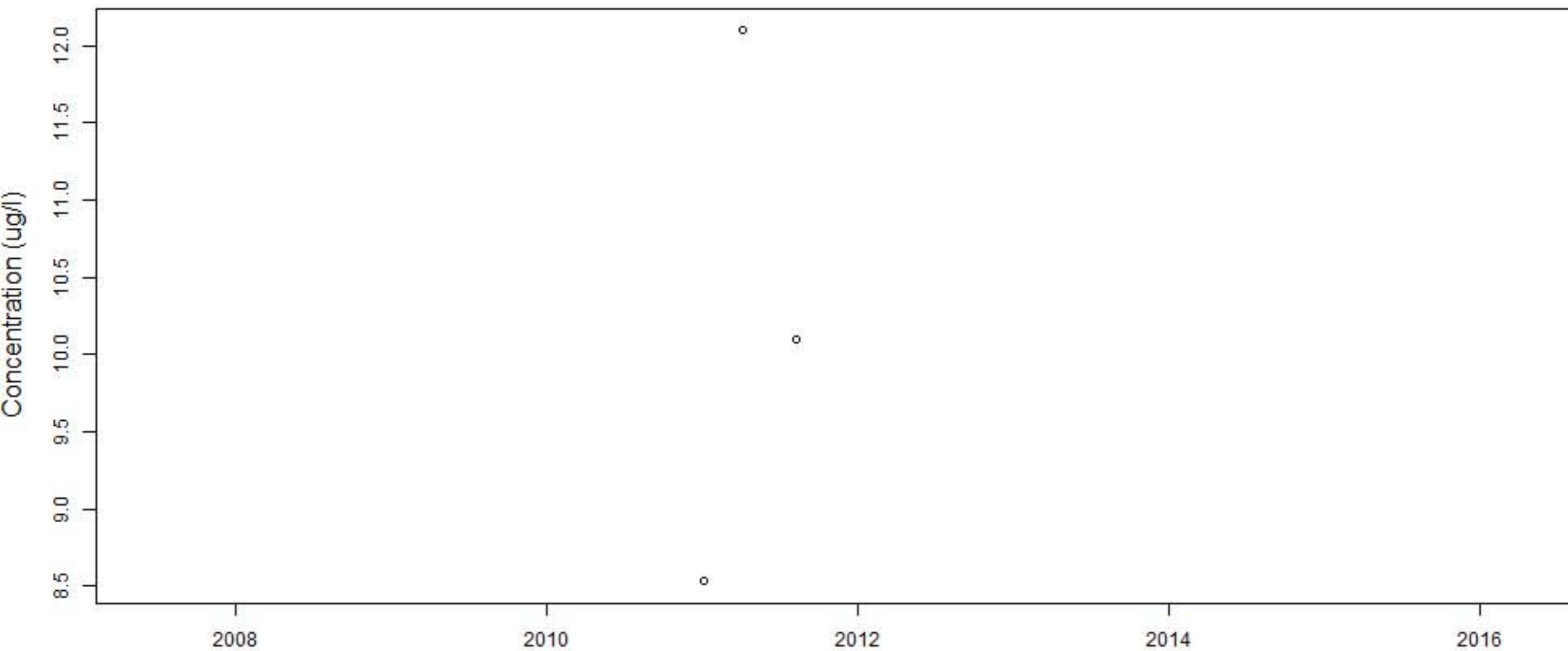
# BECY.7



# BECY.7ra.Comp

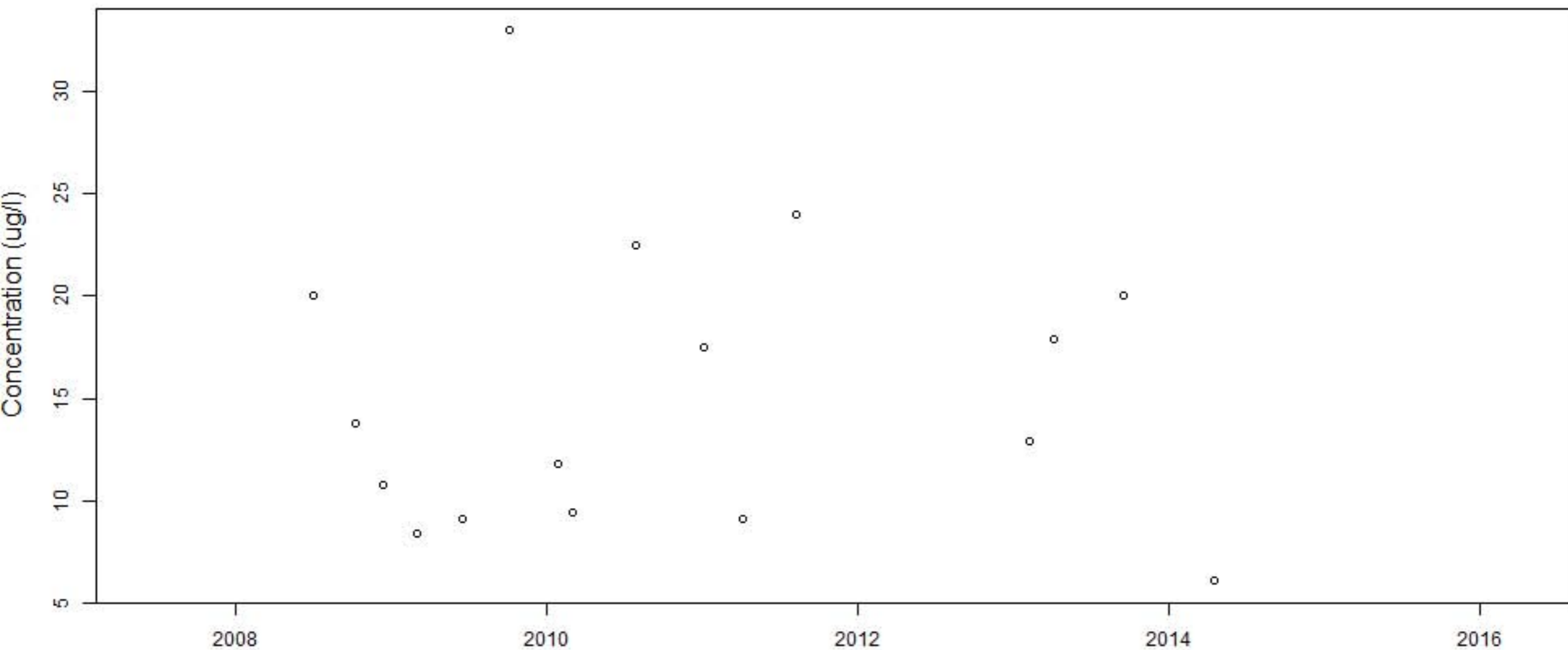


# BECY.7ra.Grab.after

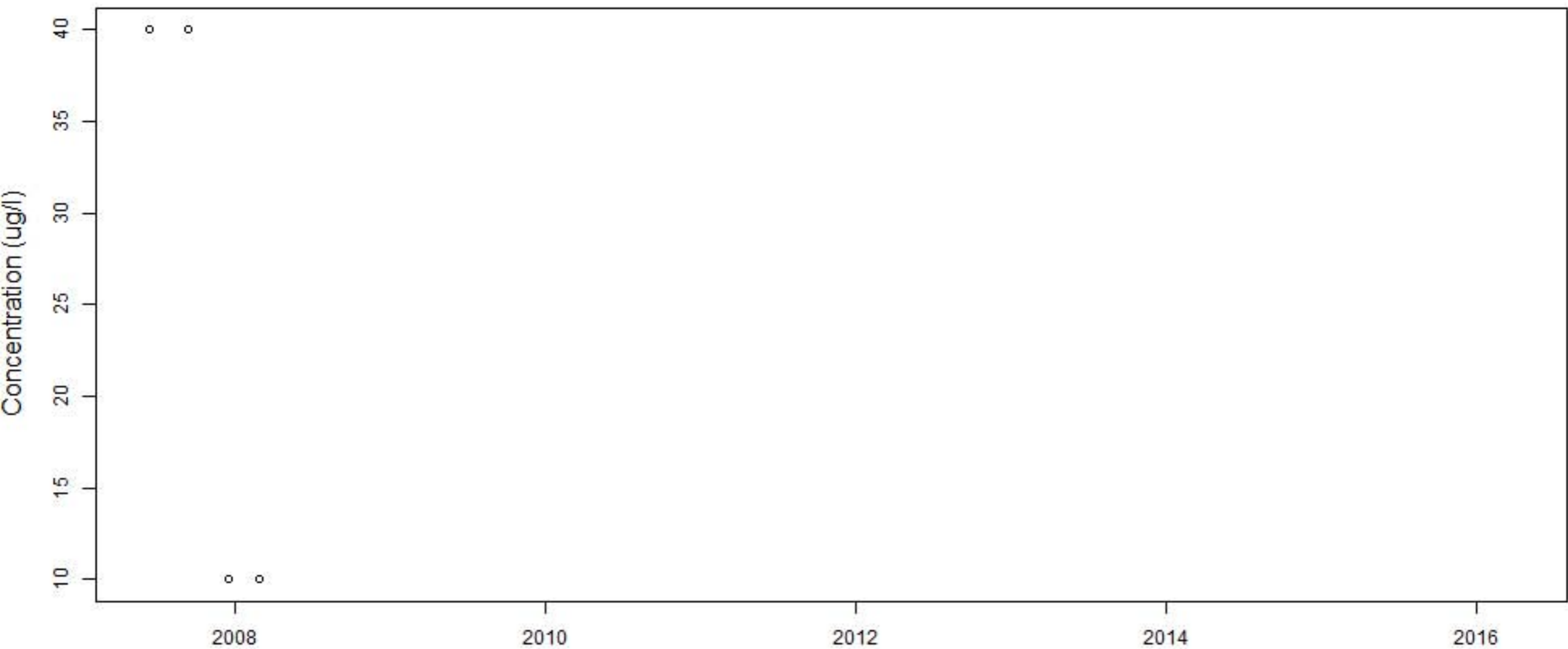




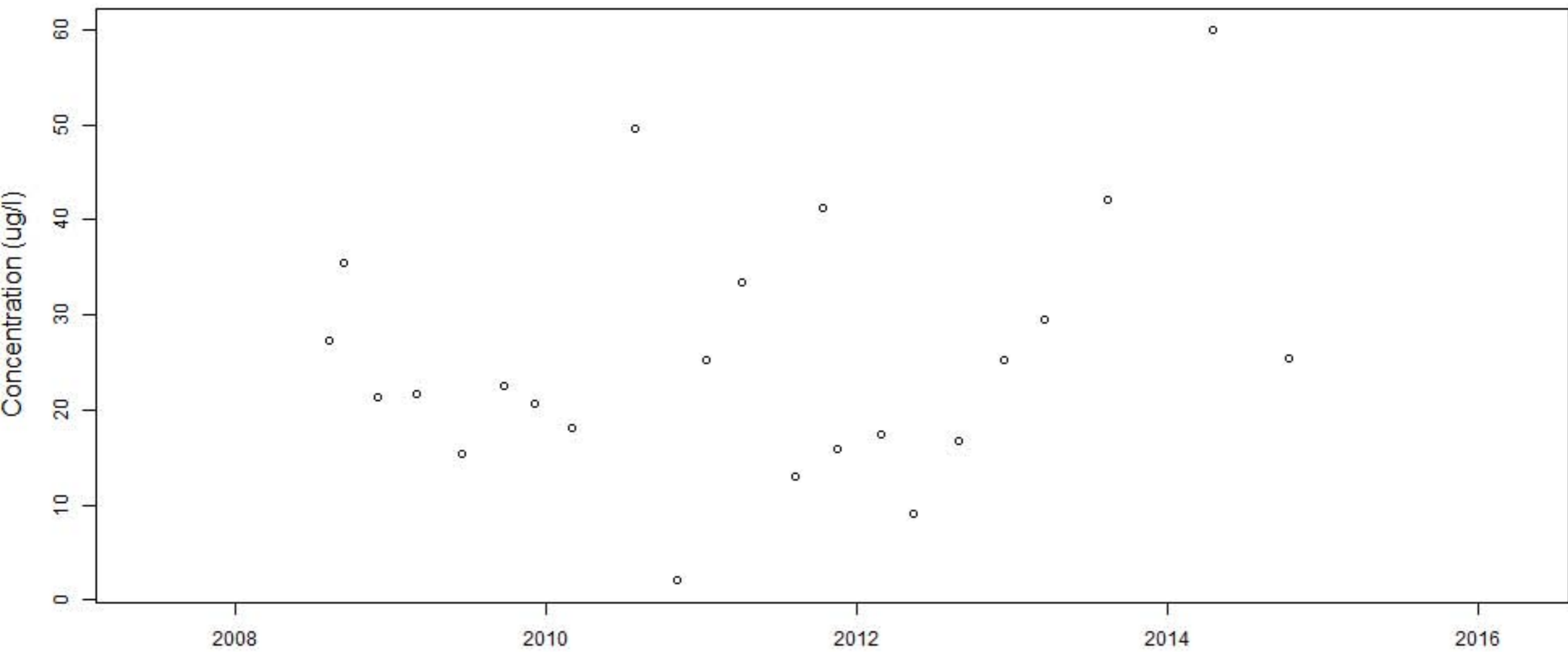
# BECY.7ra.Grab



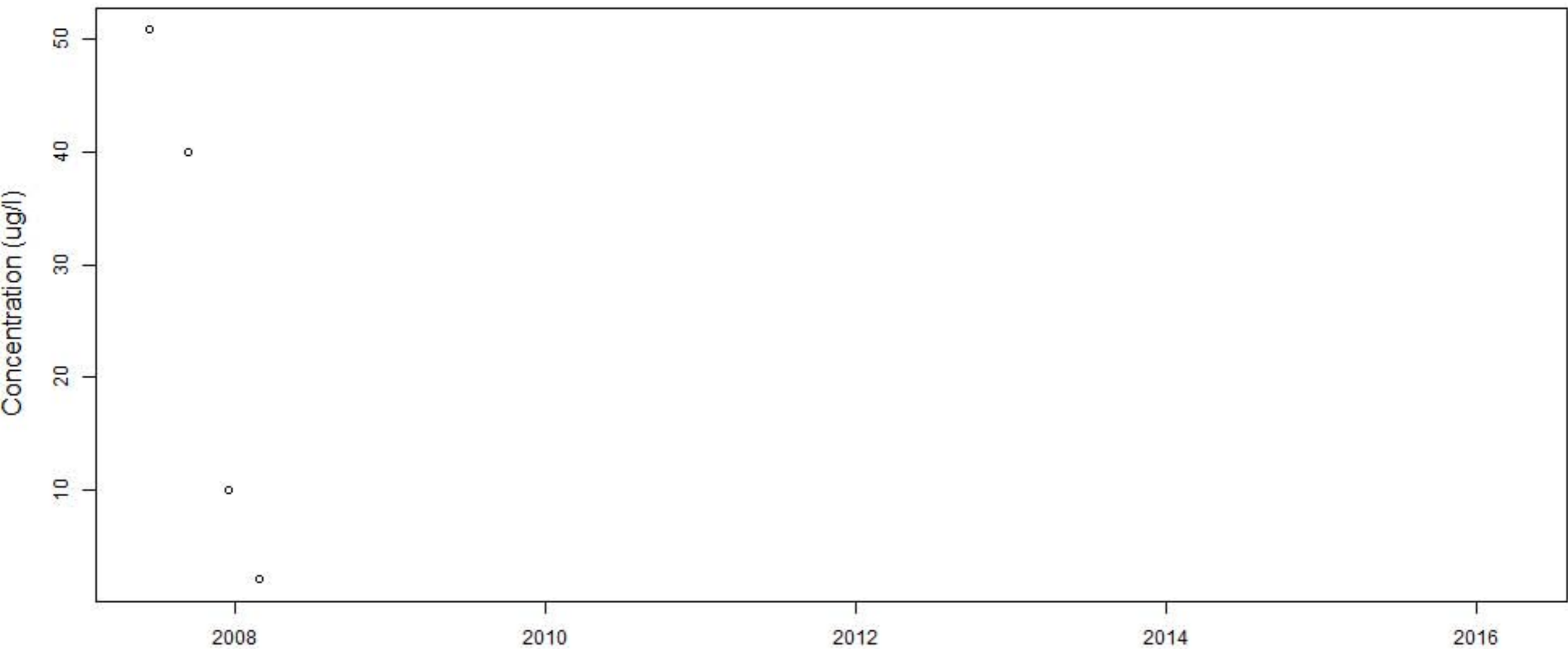
# BECY.8



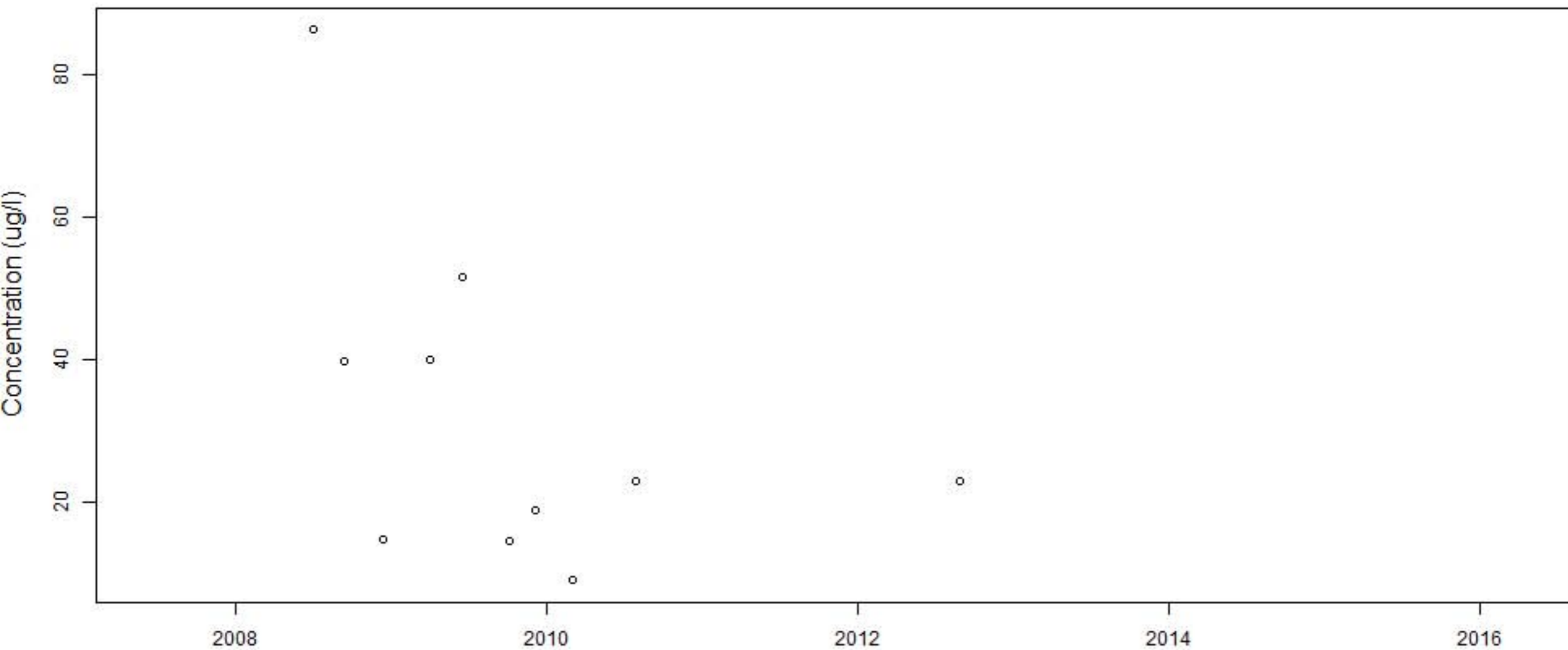
# BECY.8r



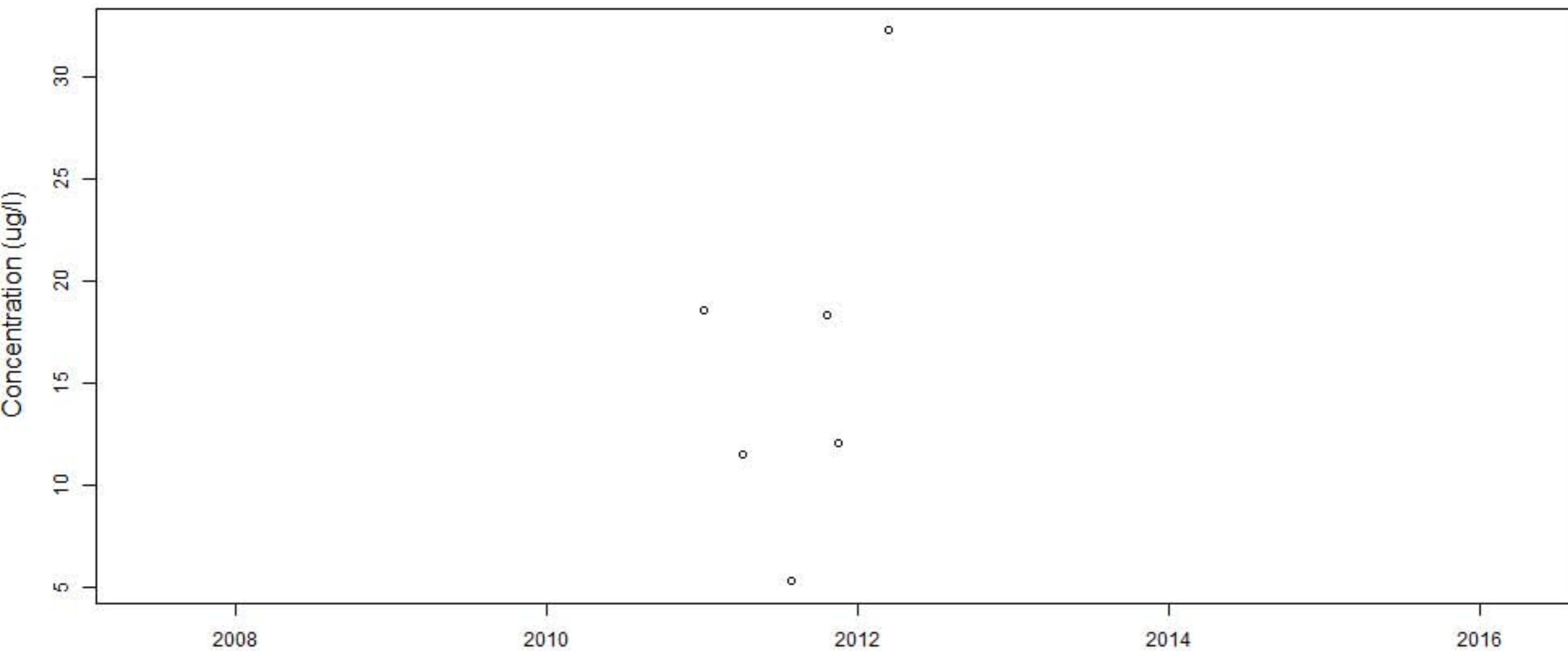
# BECY.9



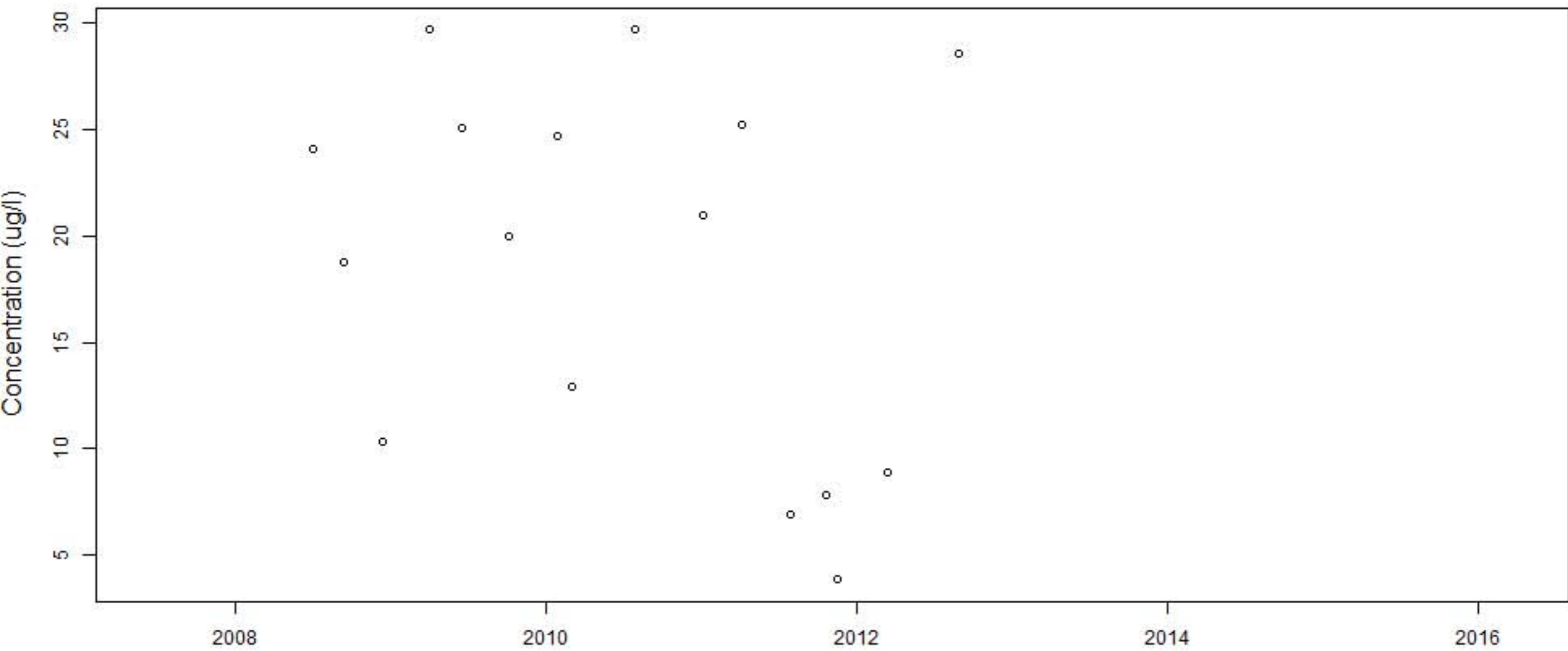
# BECY.9ra.Comp



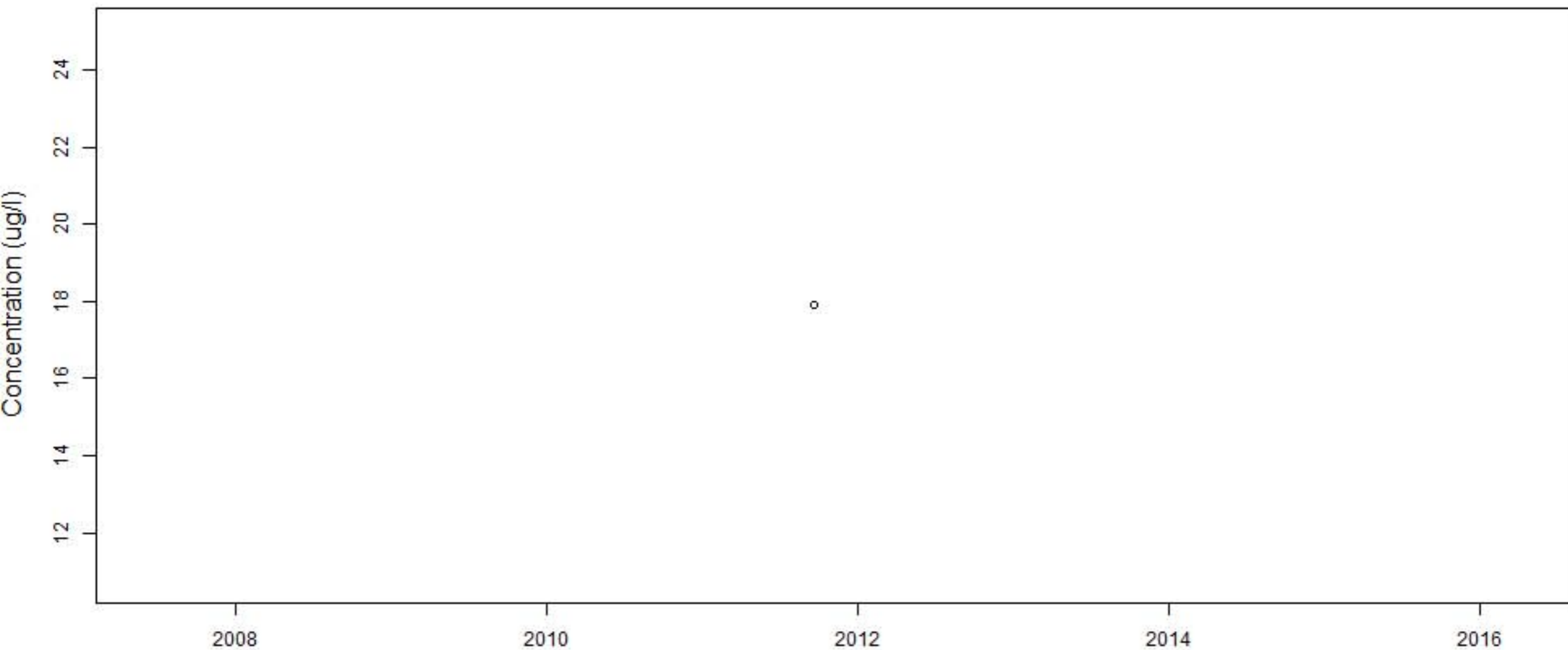
**BECY.9ra.Grab.after**



# BECY.9ra.Grab

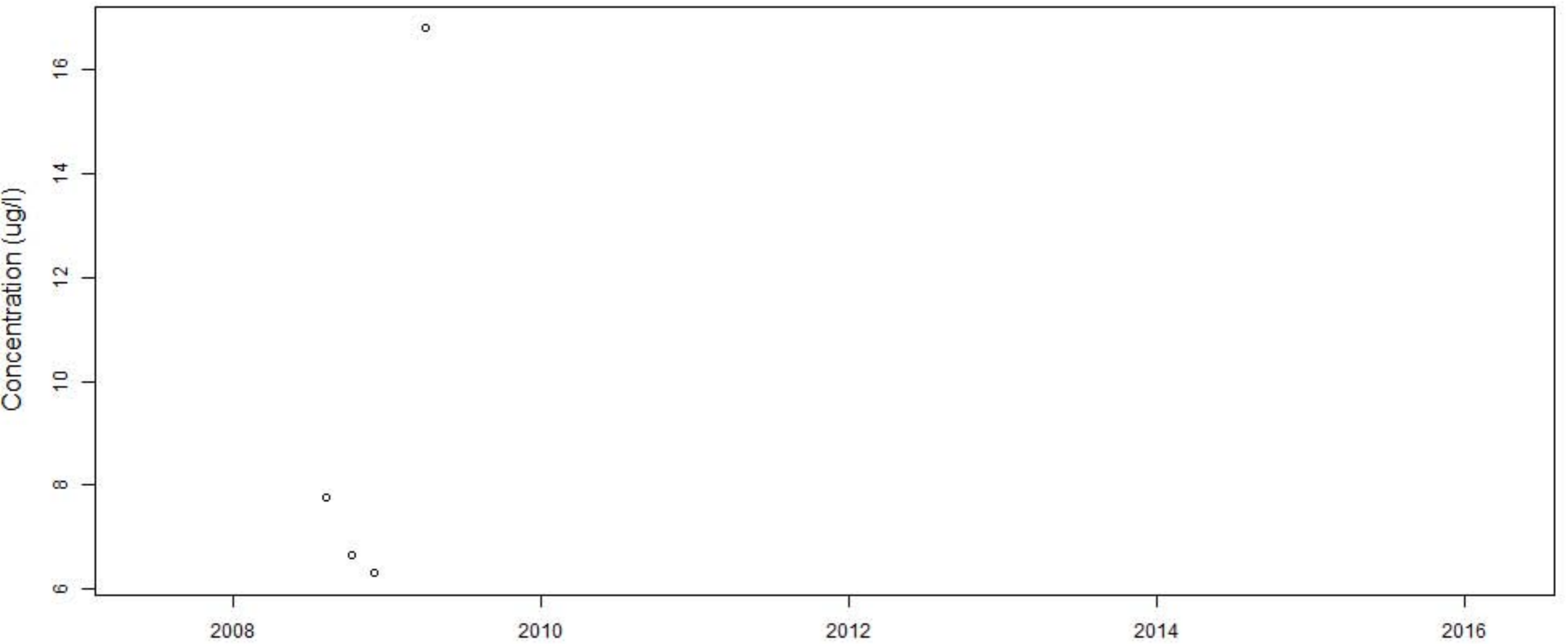


# BLUEWATER

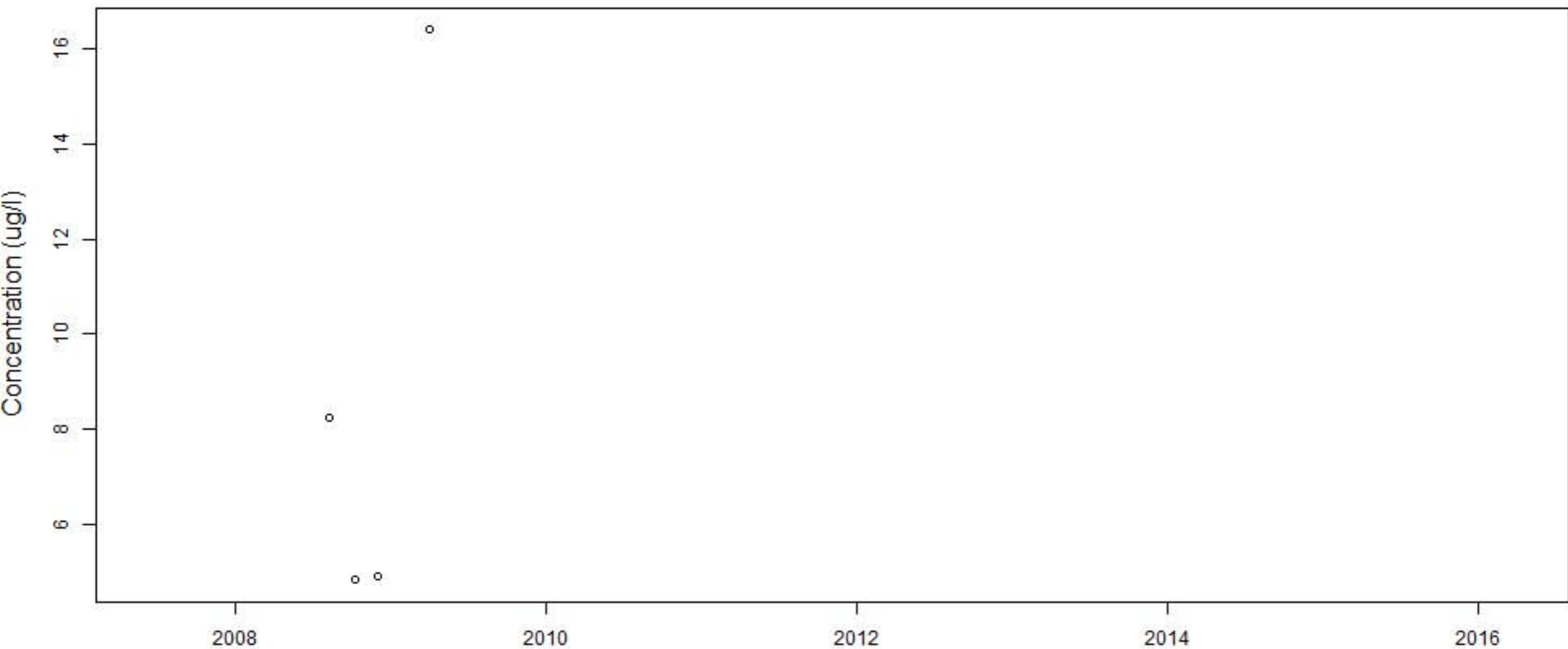




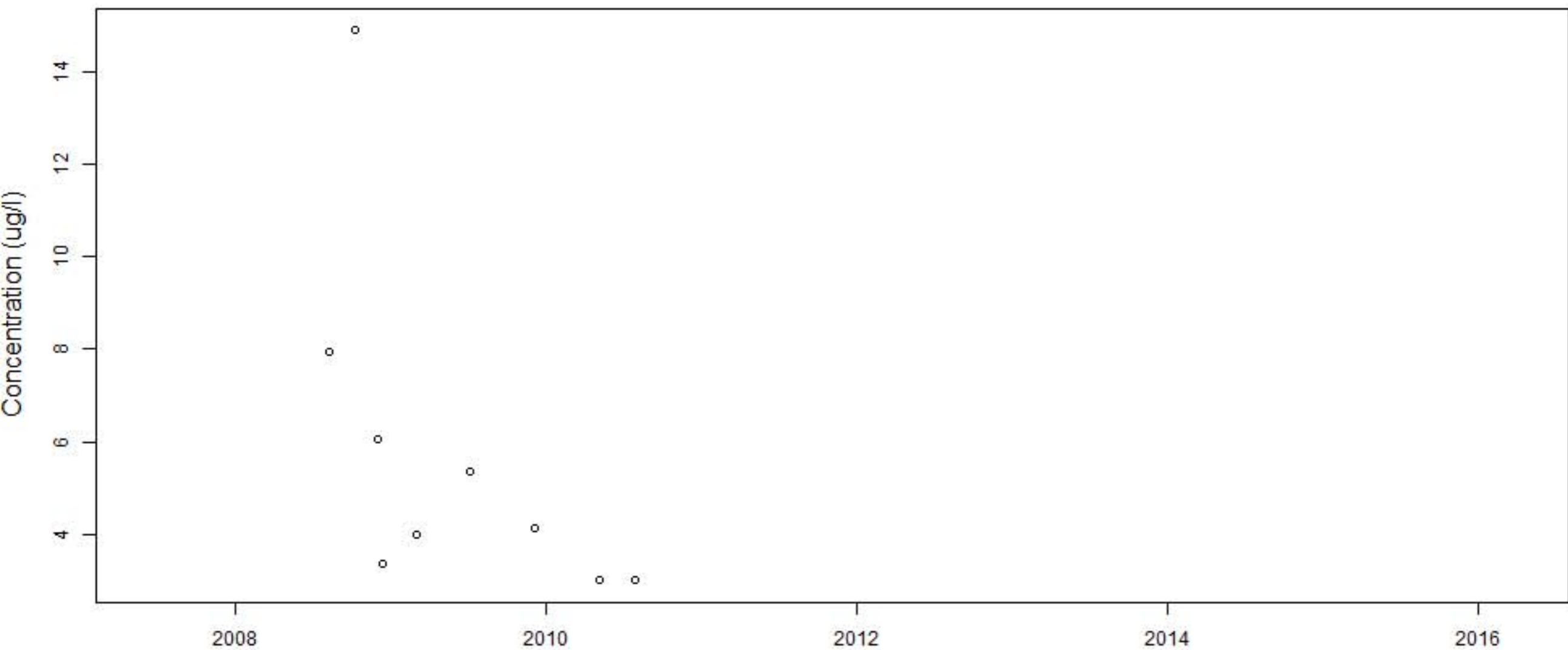
# BM Pep...IN.COMP



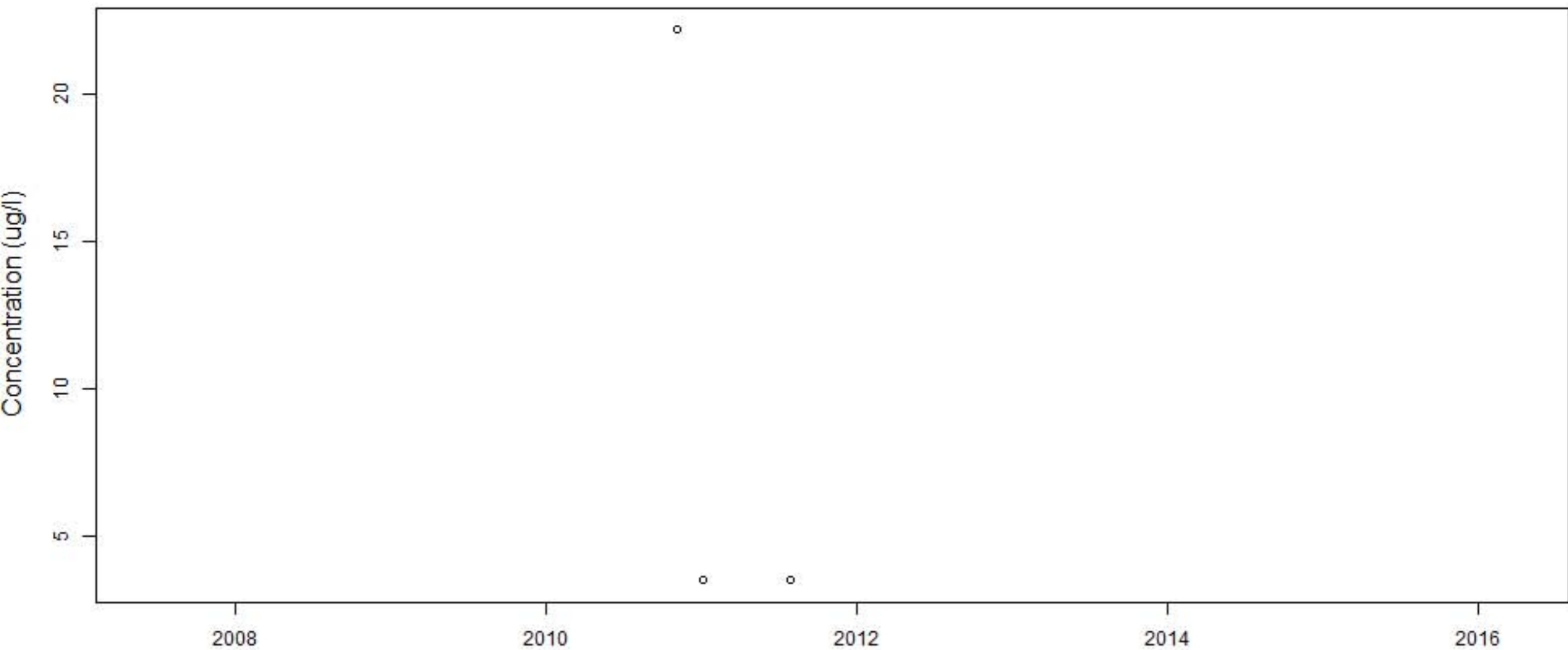
# BM Pep...IN.GRAB



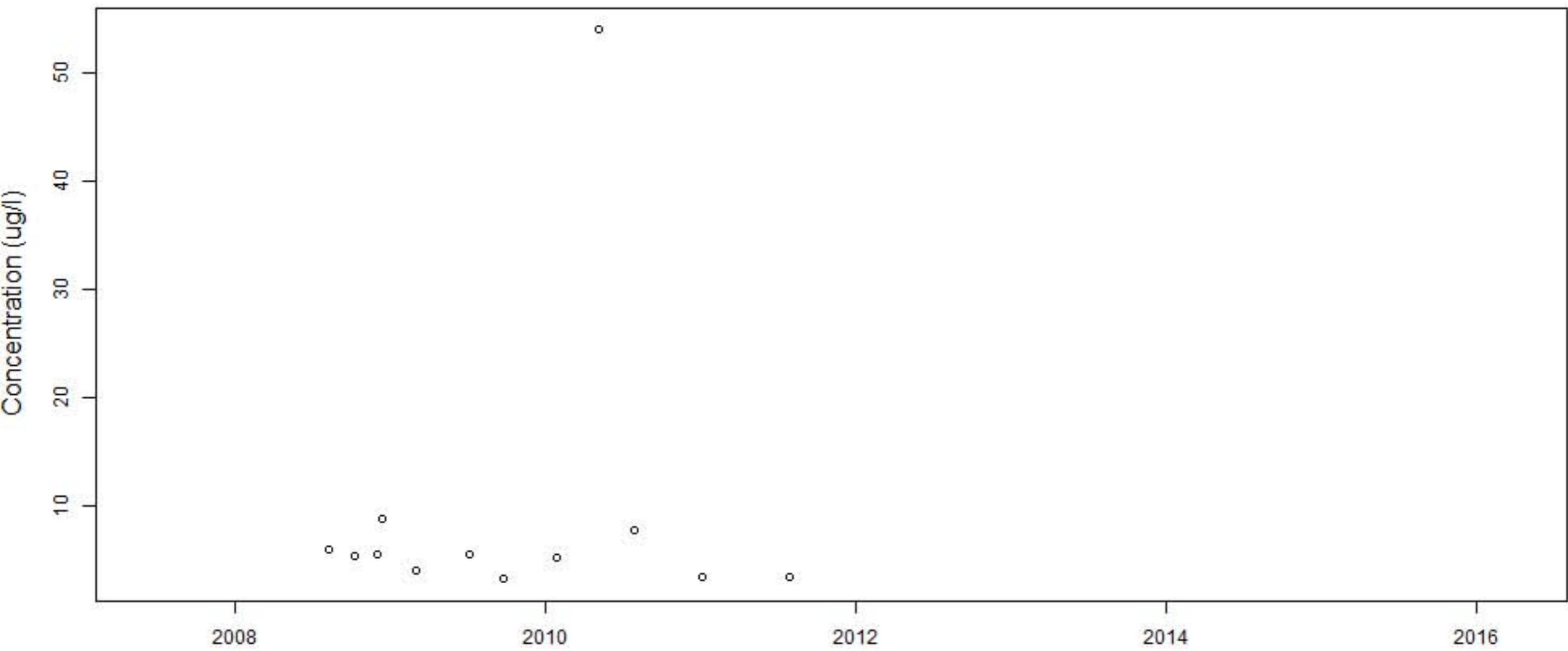
# BM Pep...OUT.COMP



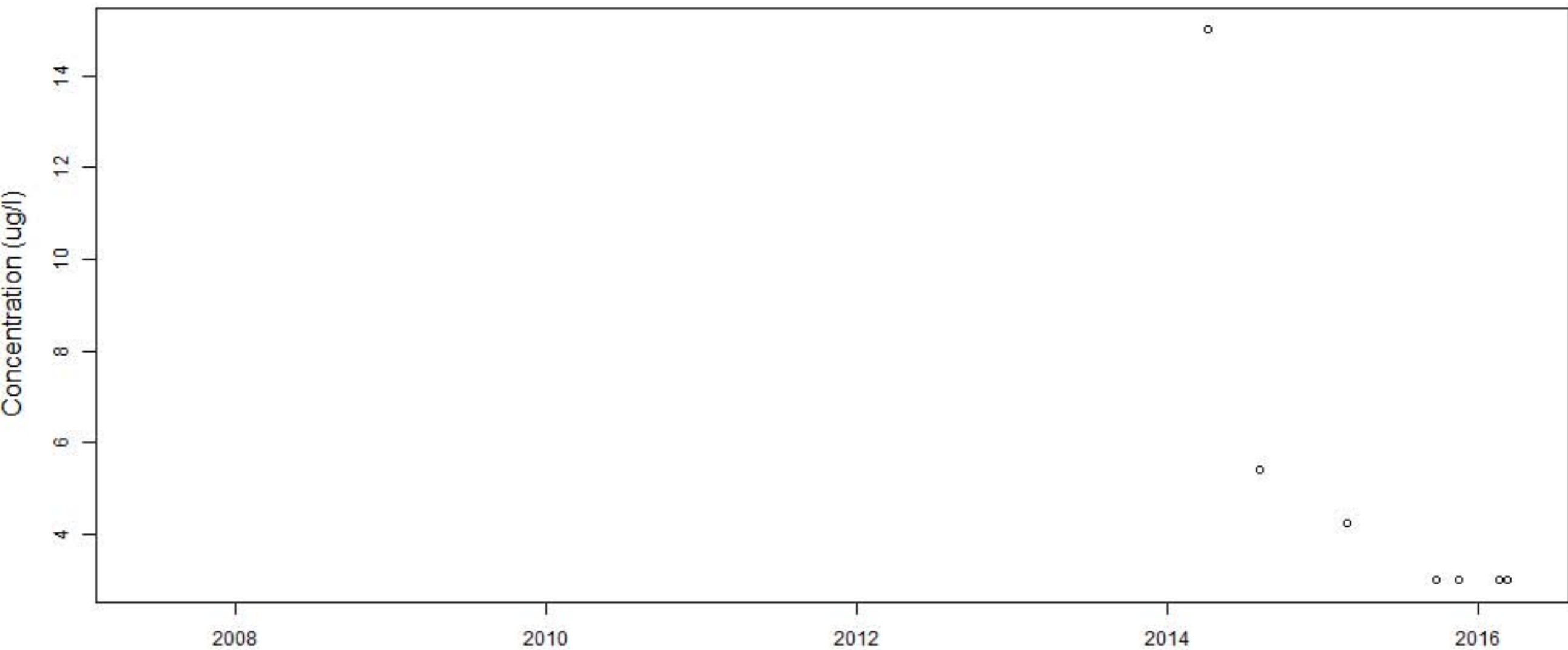
**BM Pep...OUT.grab.after**



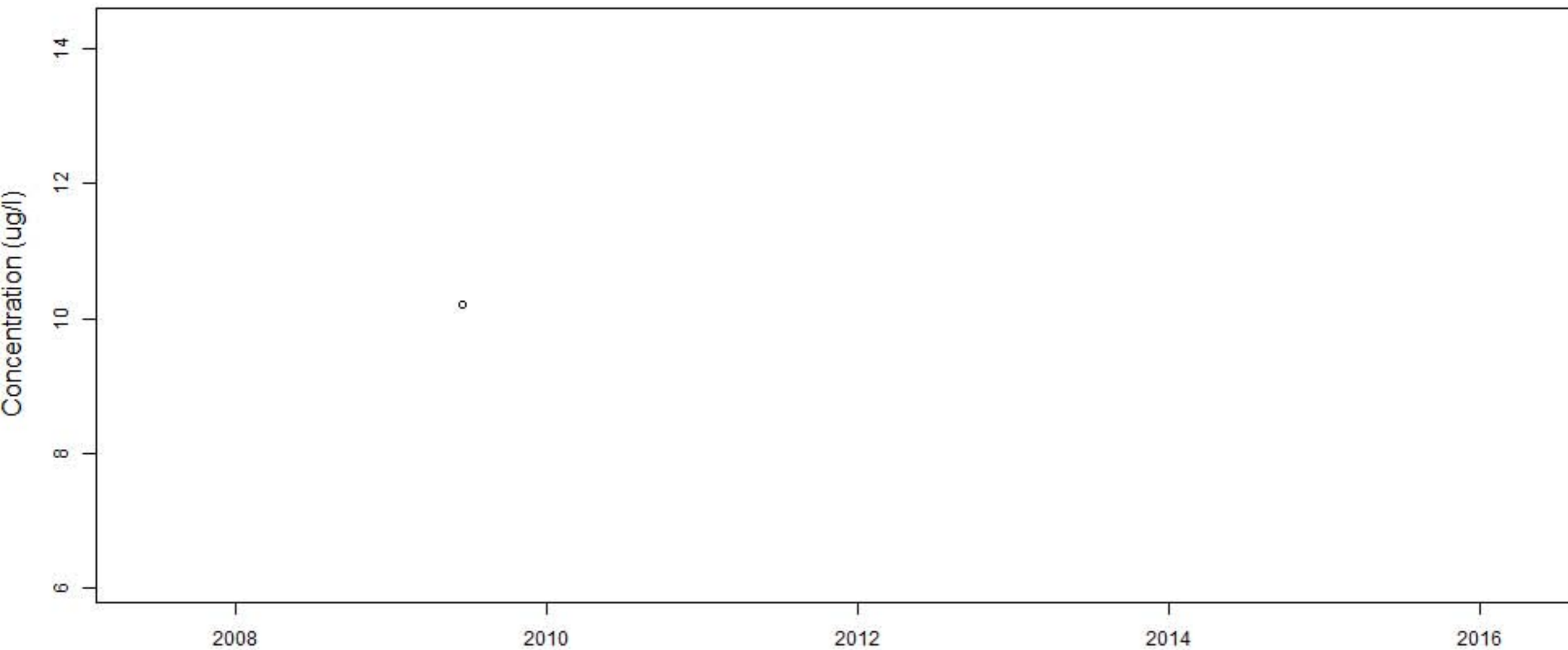
BM Pep...OUT.GRAB



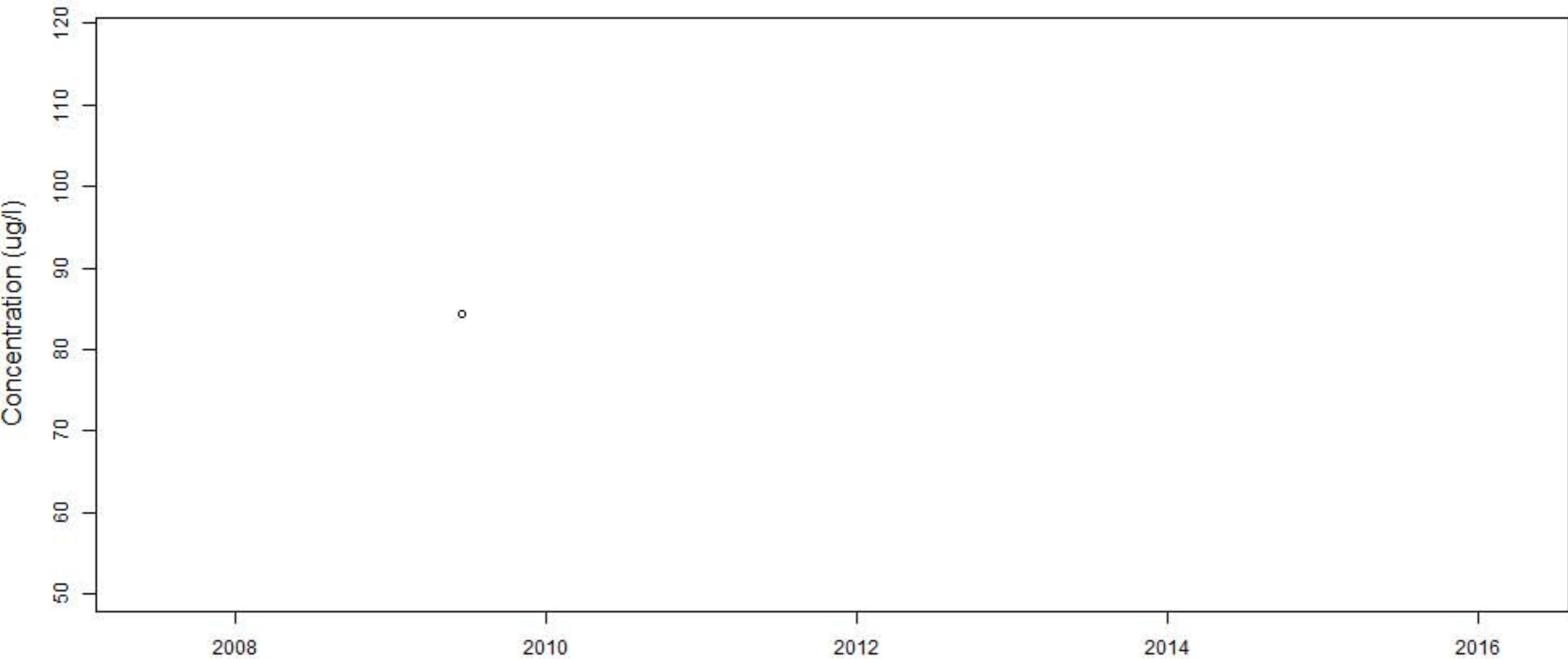
# BROAD.POINTE



# Christine.Place.Comp

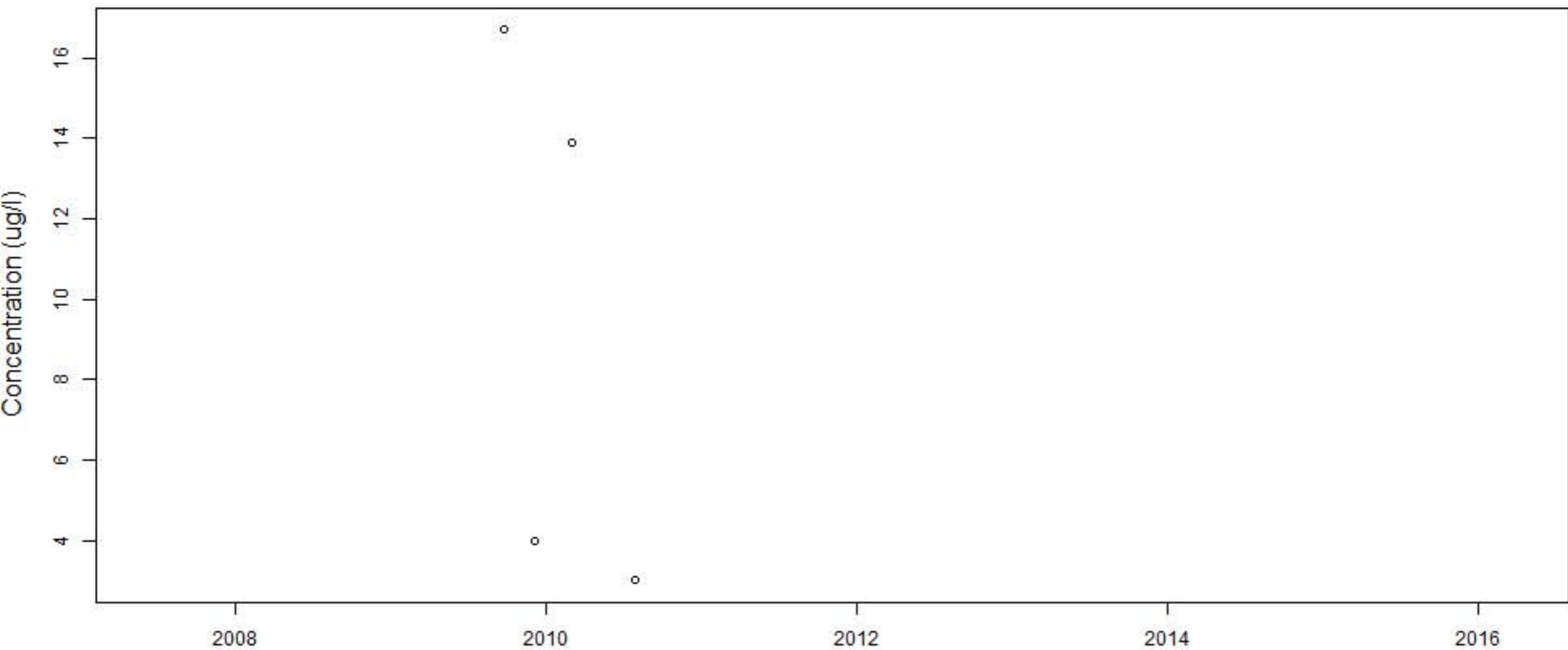


# Christine.Place.Grab

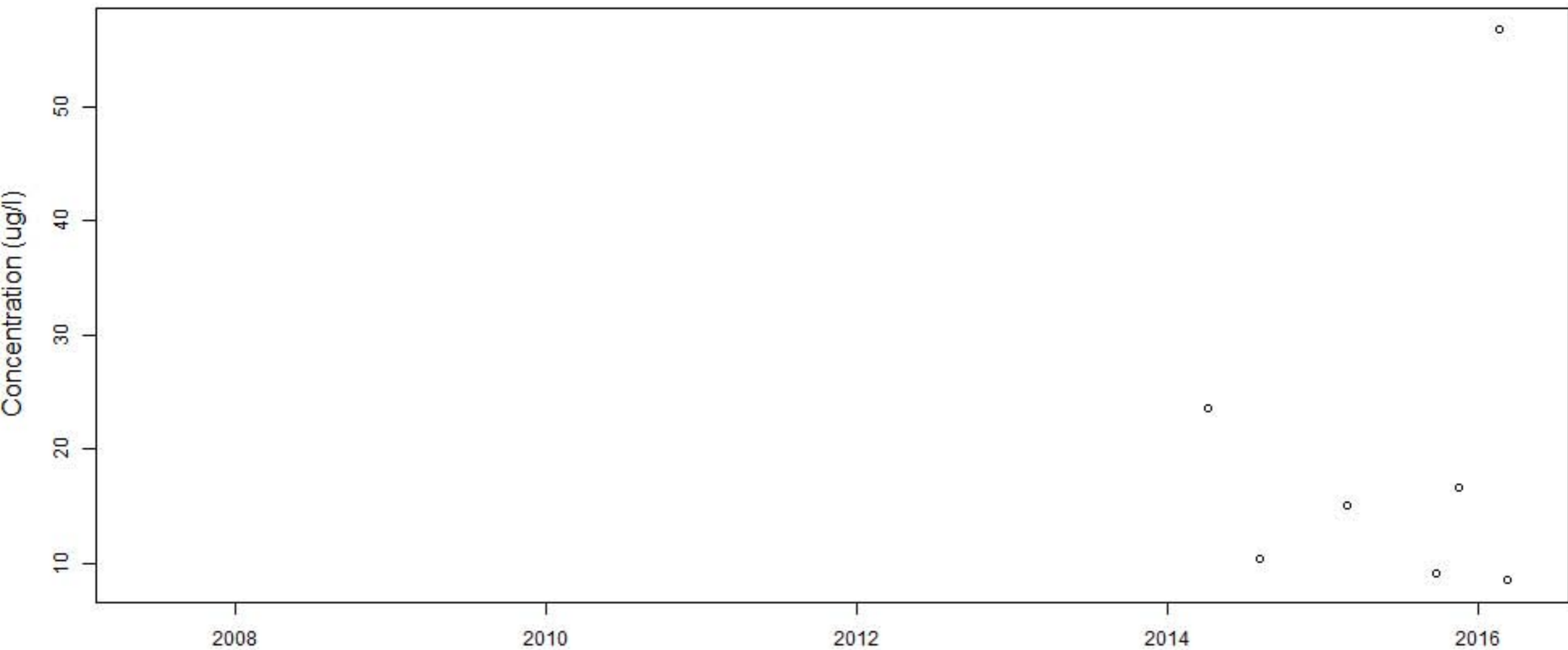




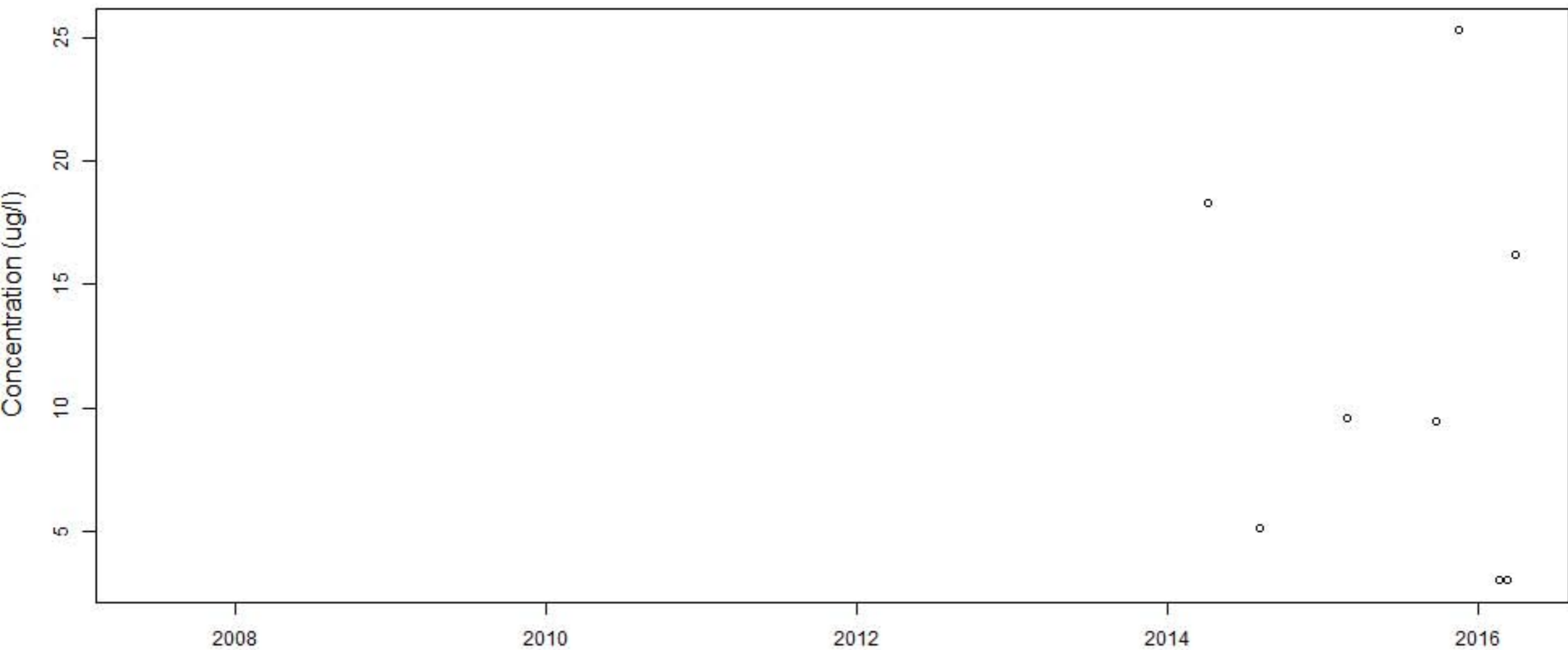
# Christine.Place.R



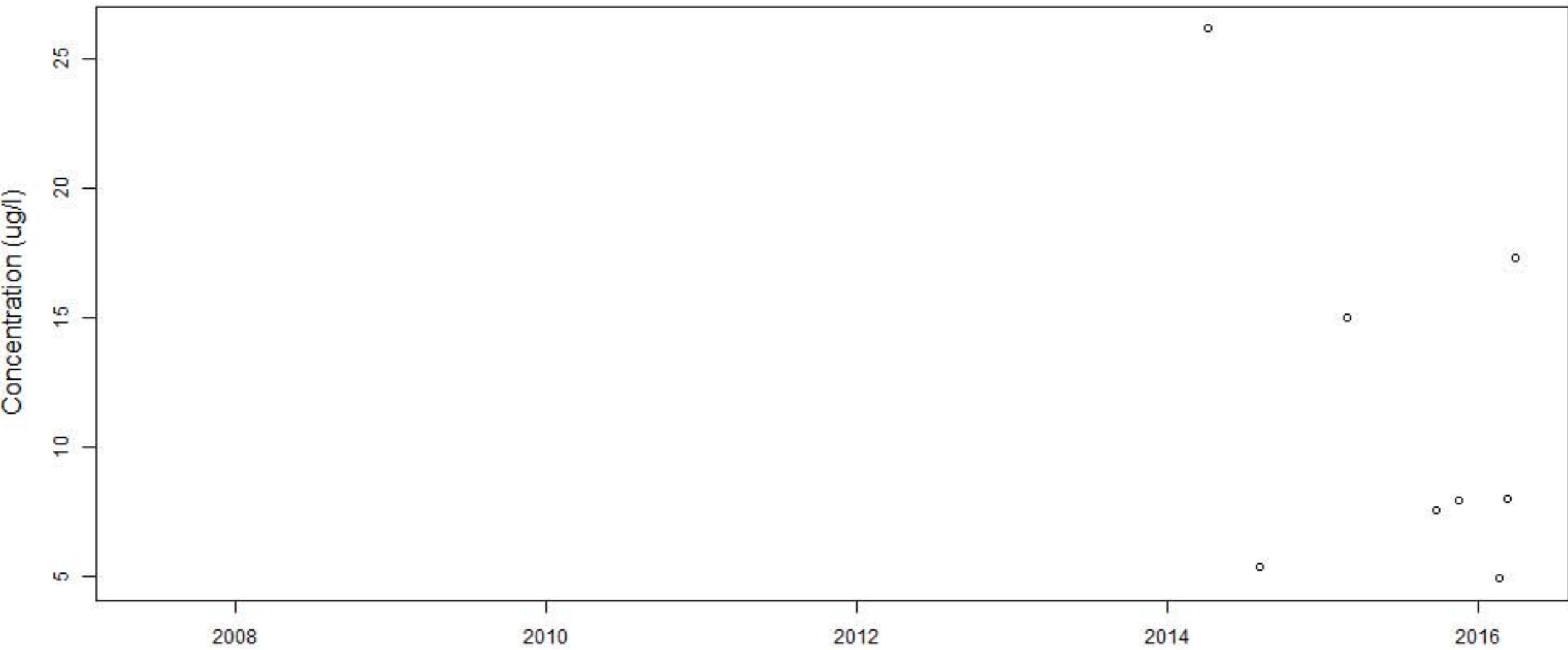
# CRACKER.BARREL



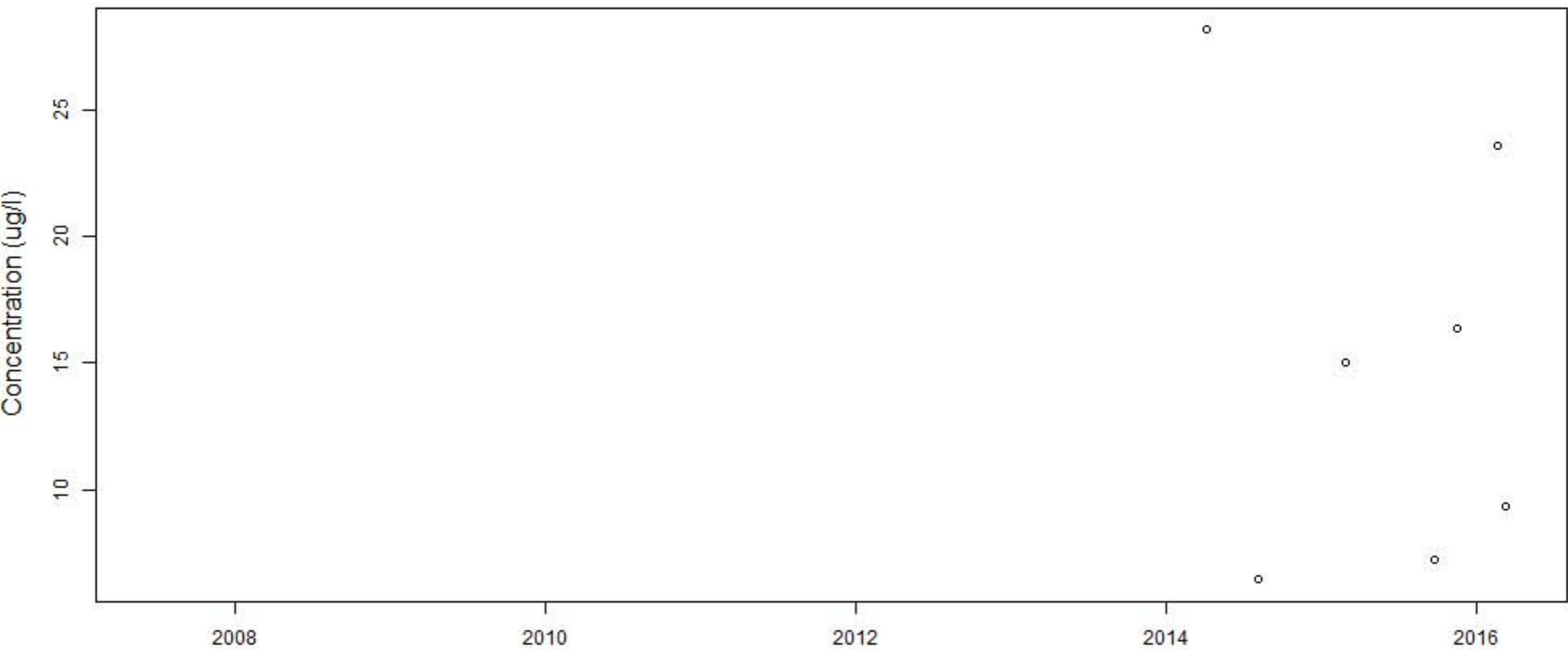
# CREATION.STATION



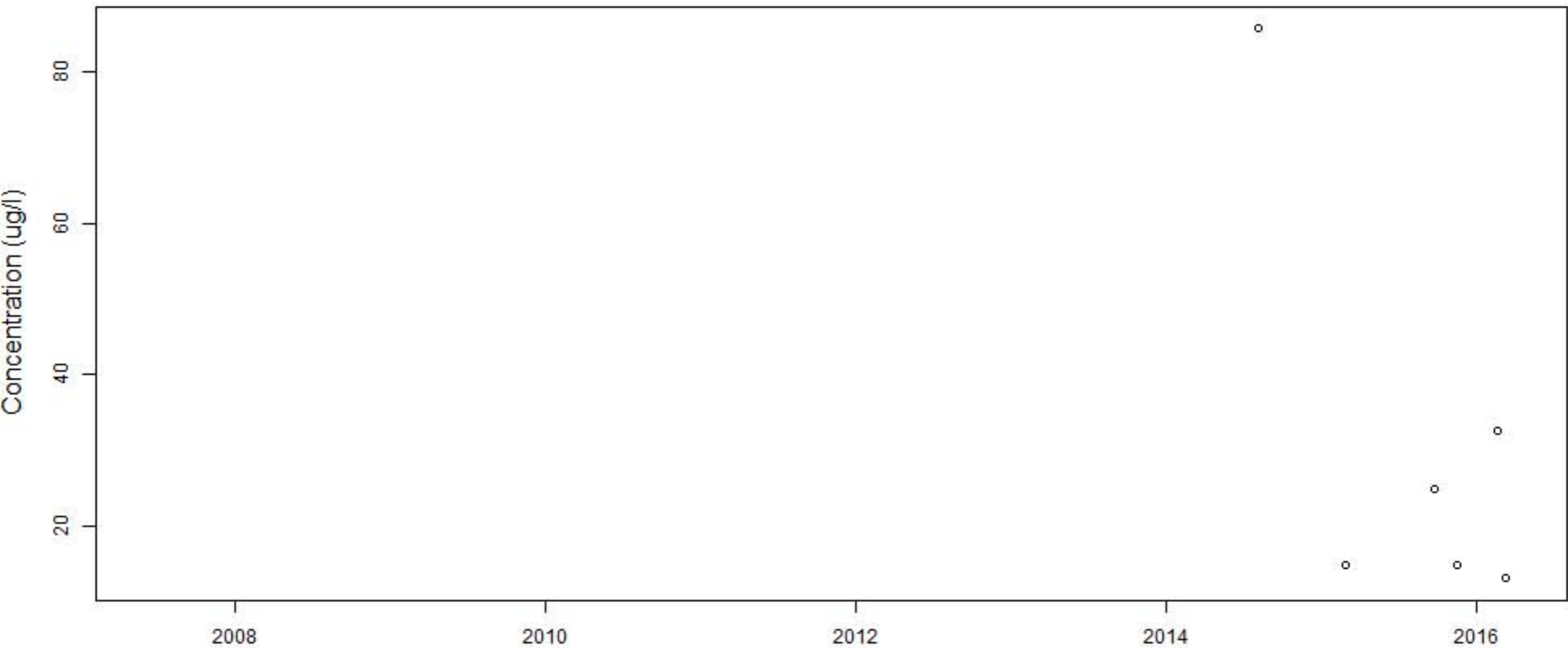
# CSA



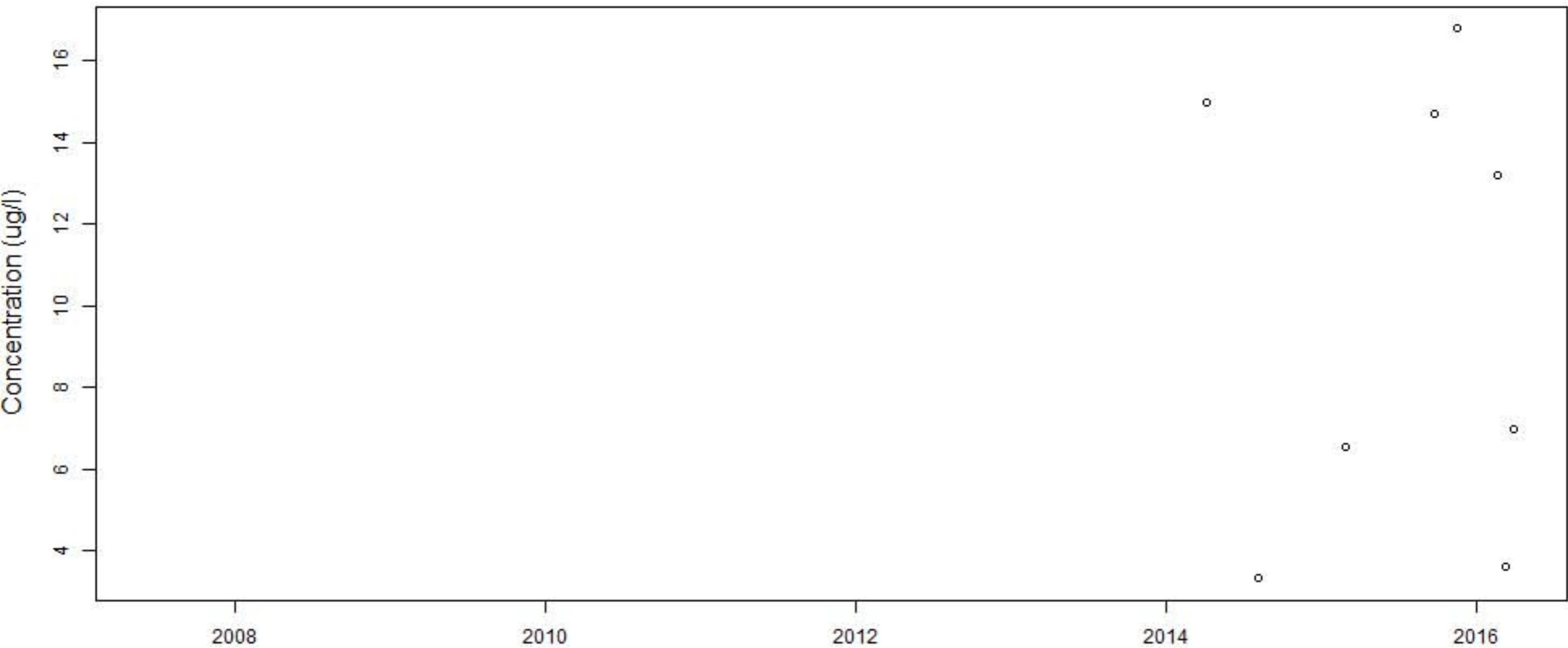
# DISNEY



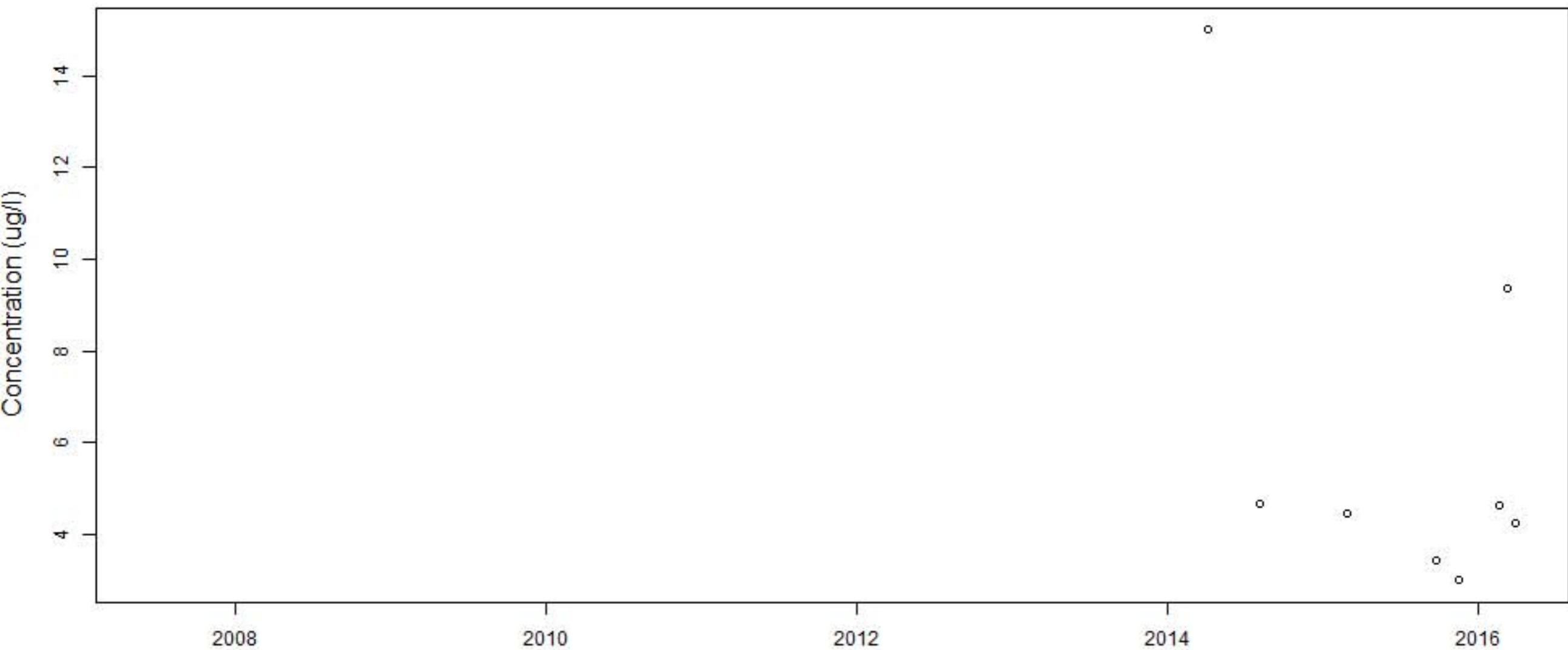
# FISH.HAUL



# GUM.TREE

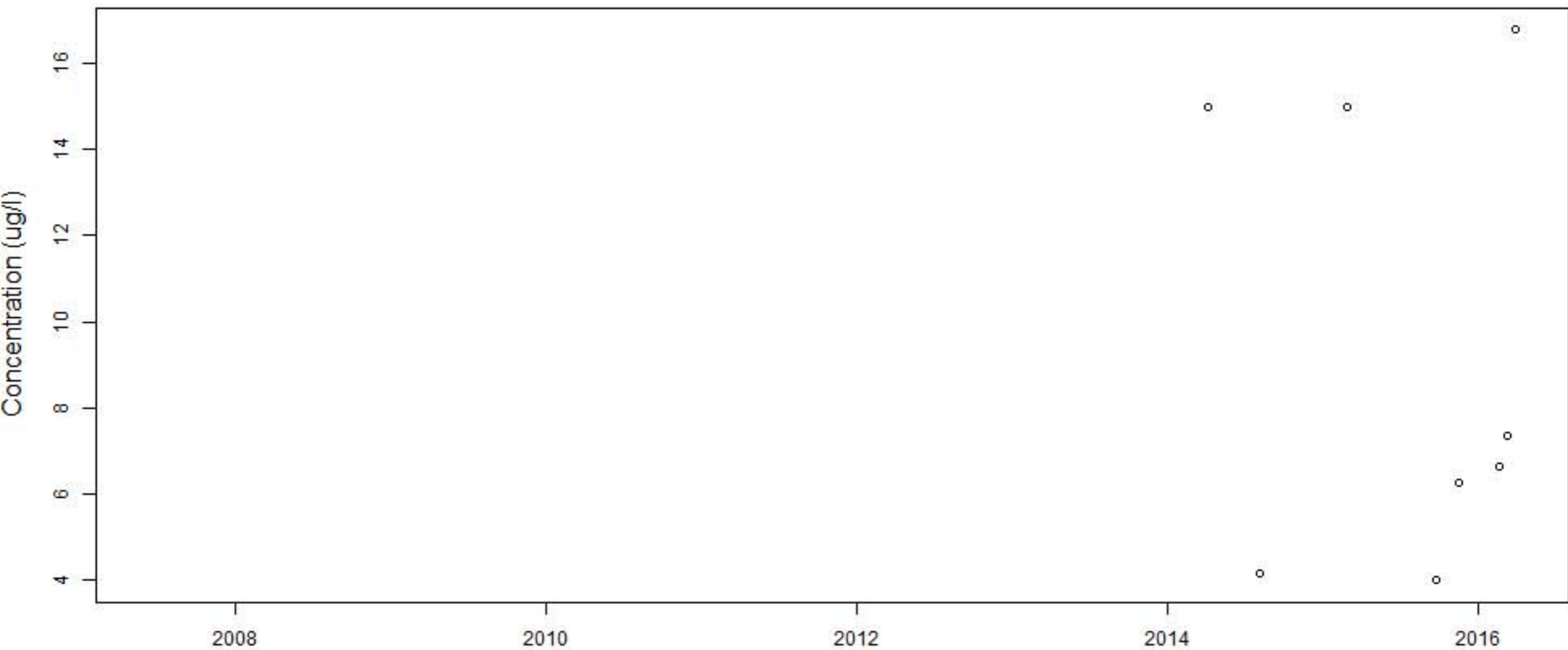


# HARBOR.MANOR

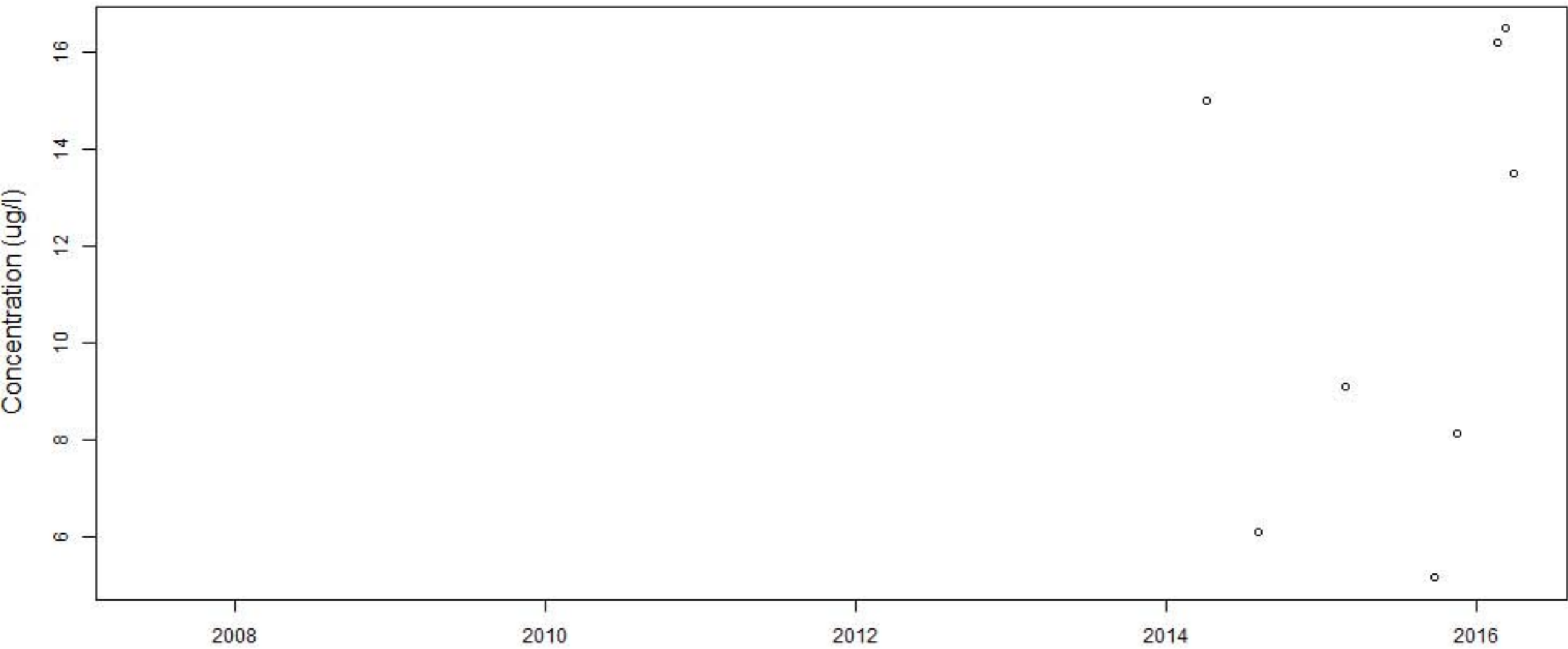




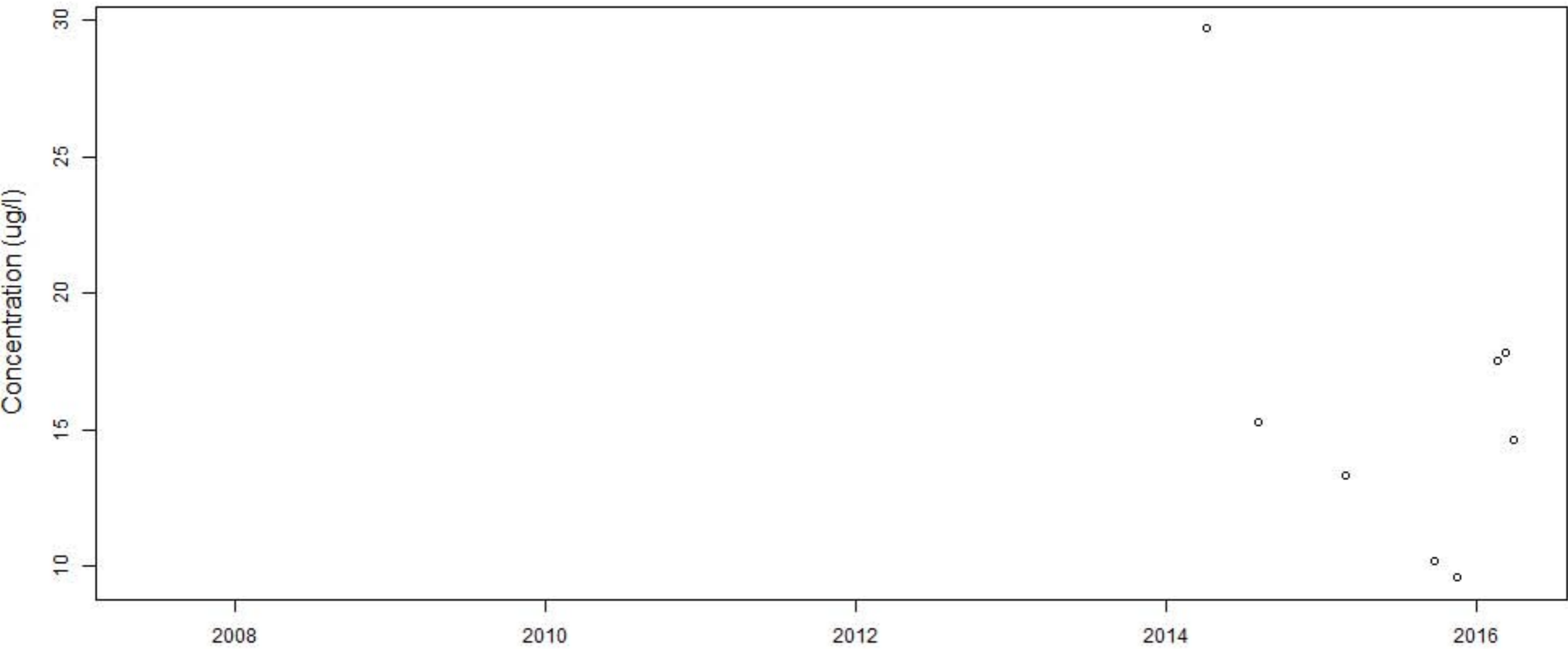
# HILTON.HEAD.PREP



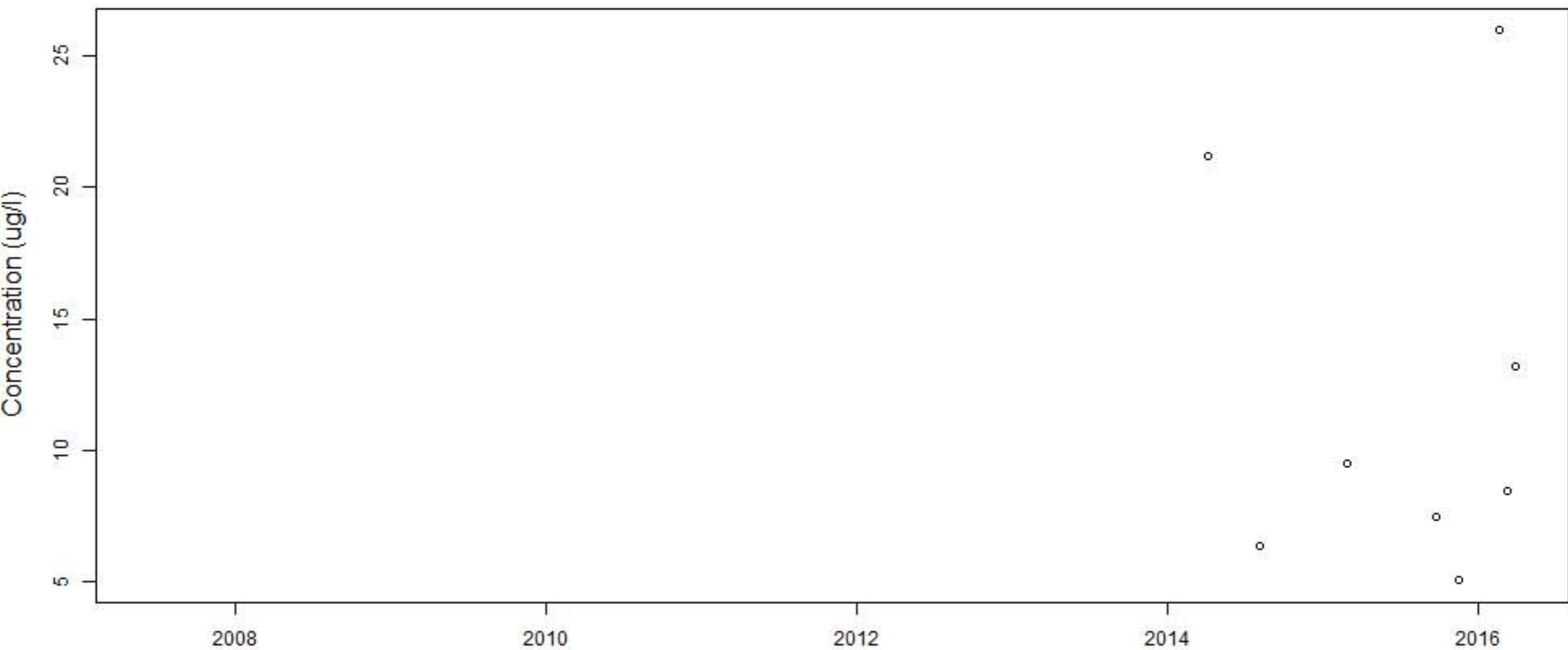
# JARVIS.1



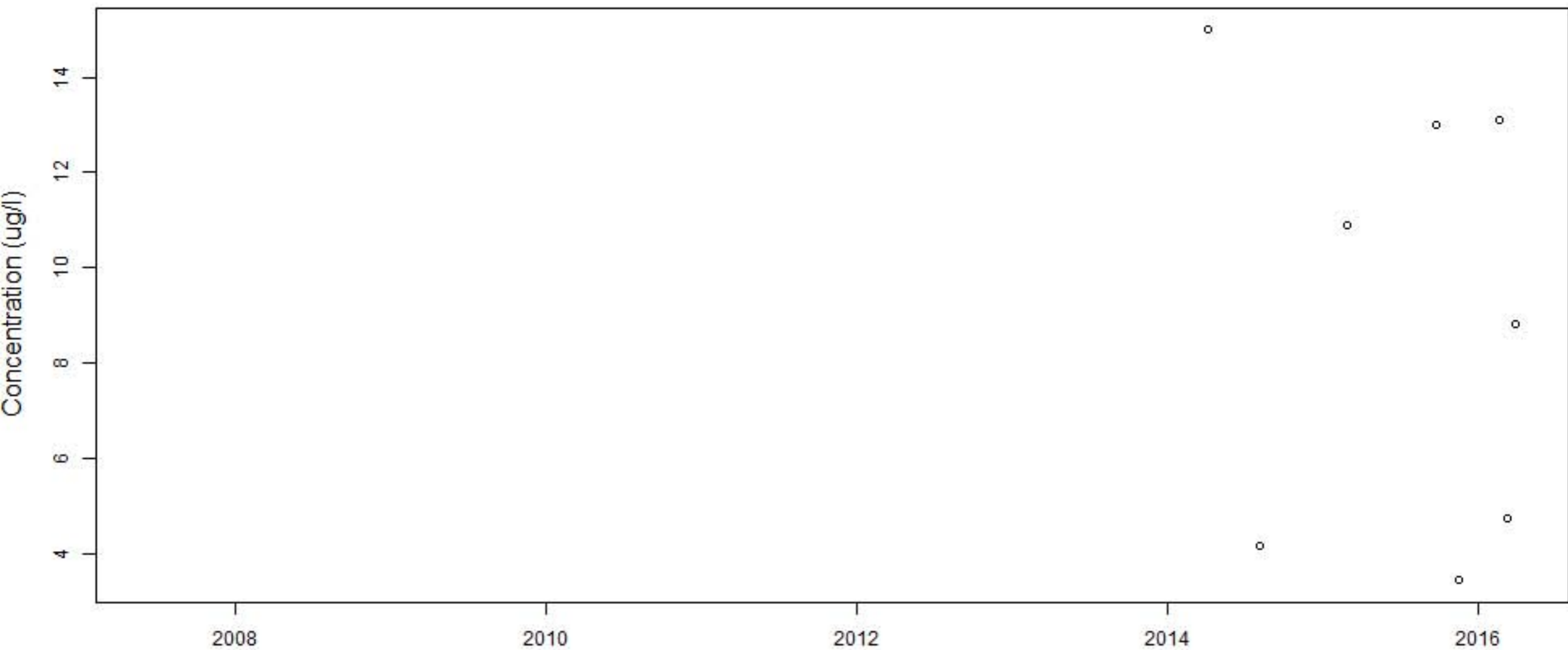
# JARVIS.2



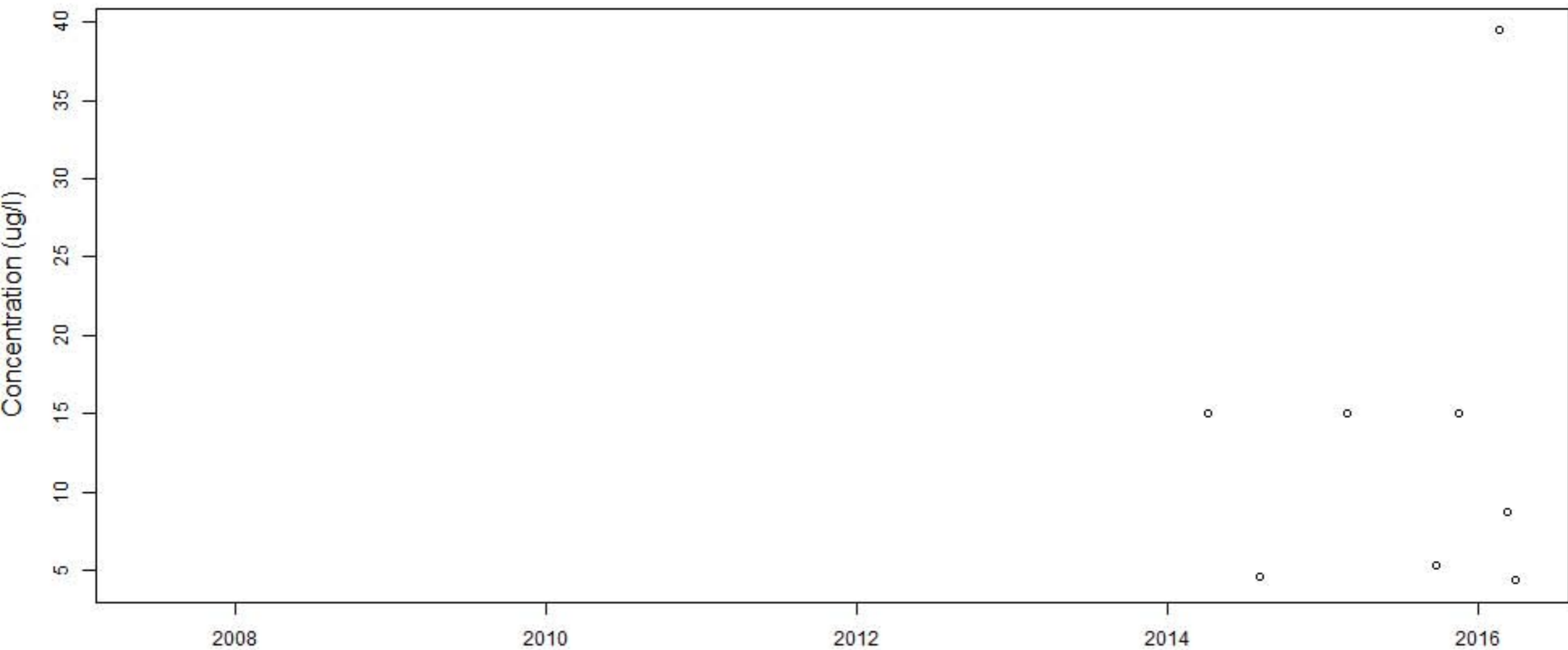
# MATHEWS.2



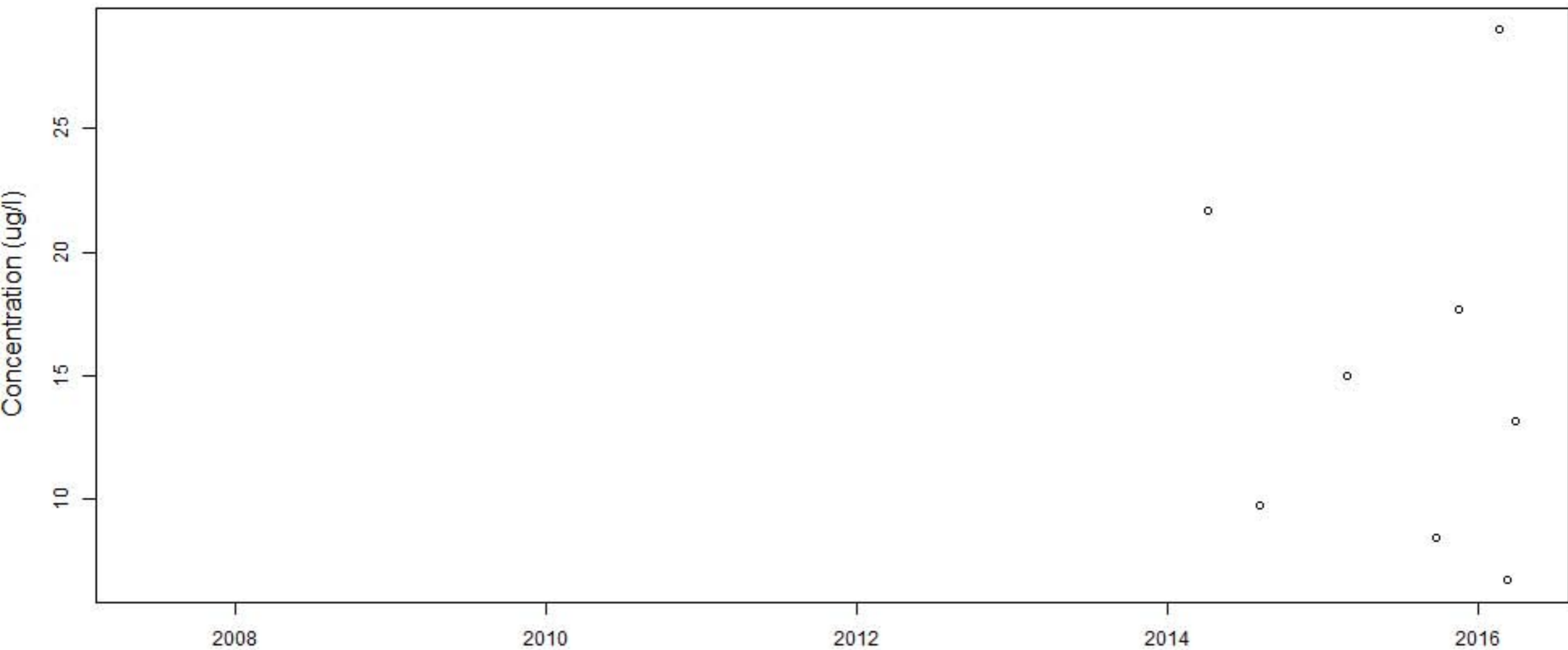
# MILLERS.POND.1



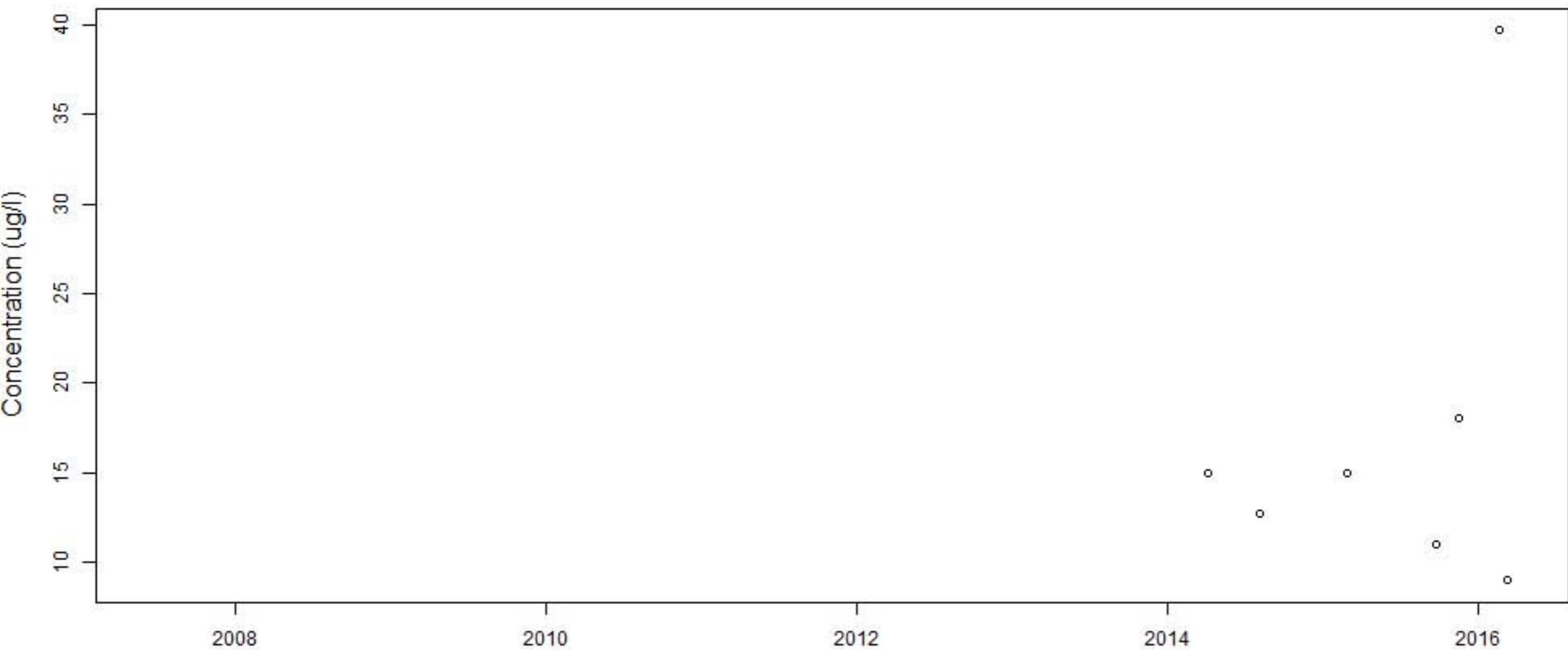
# MILLERS.POND.2



# PALMETTO.DUNES

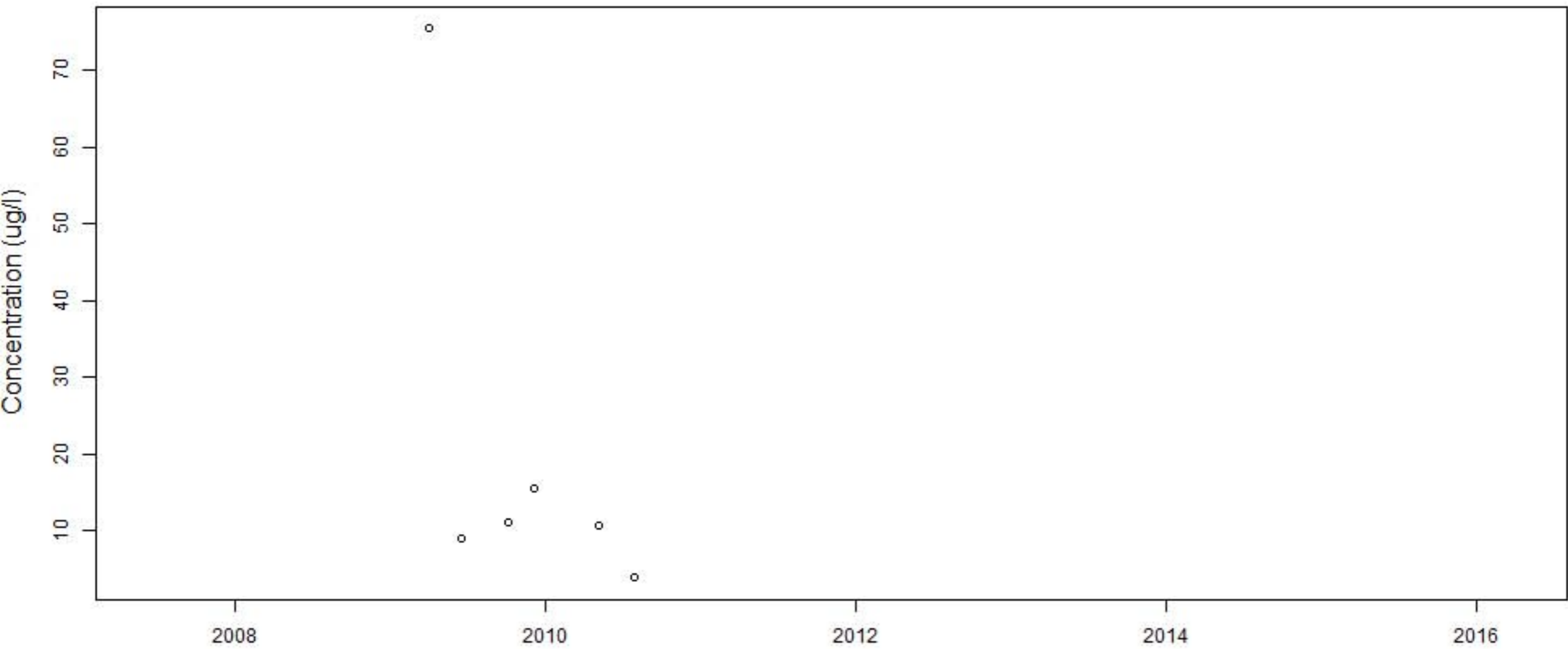


# SINGLETON.BEACH

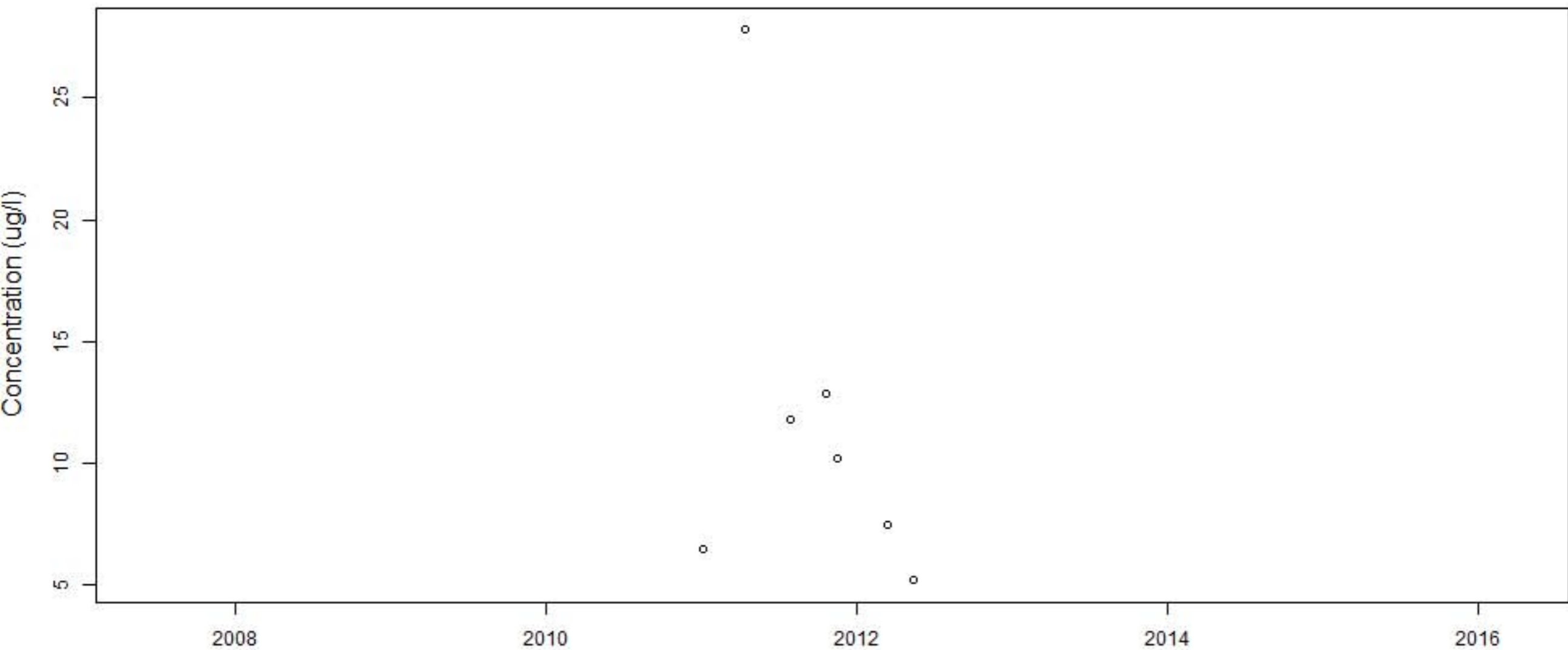




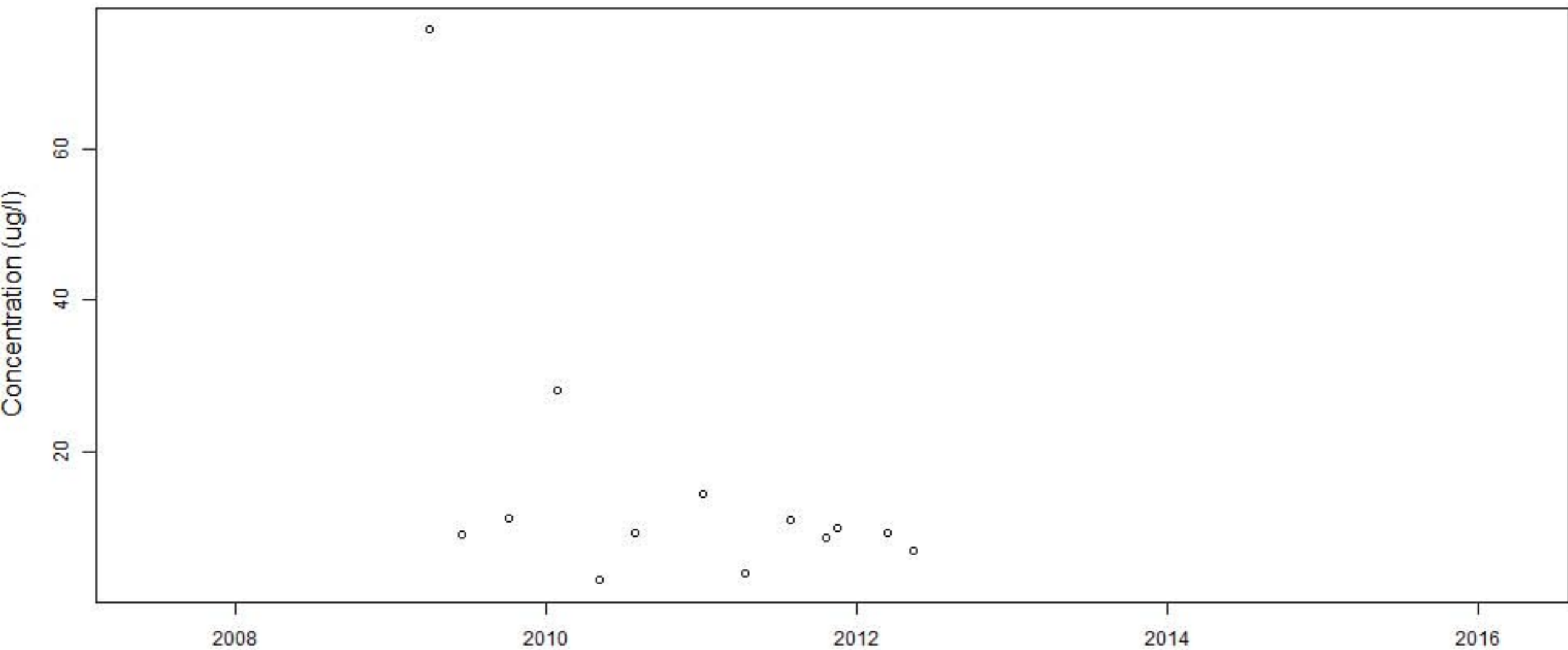
# Southside.Comp



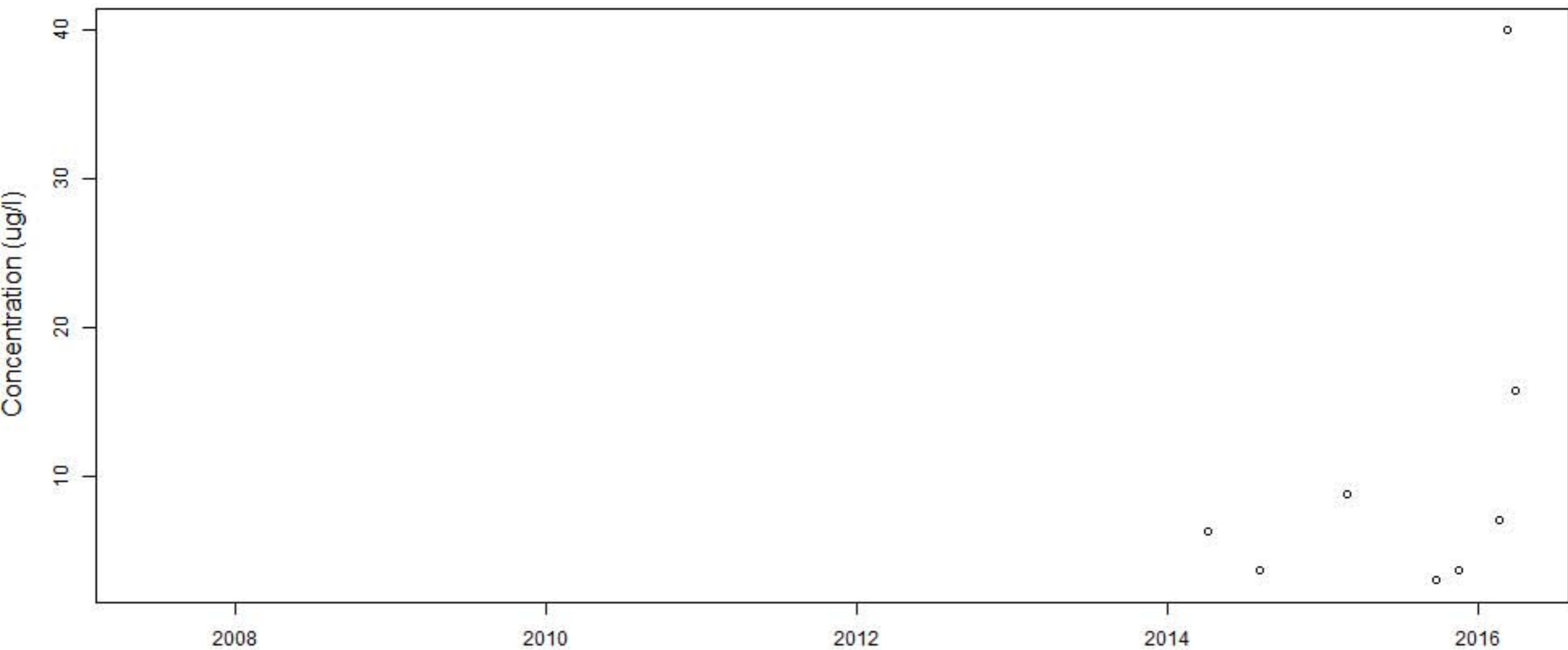
Southside.Grab.after



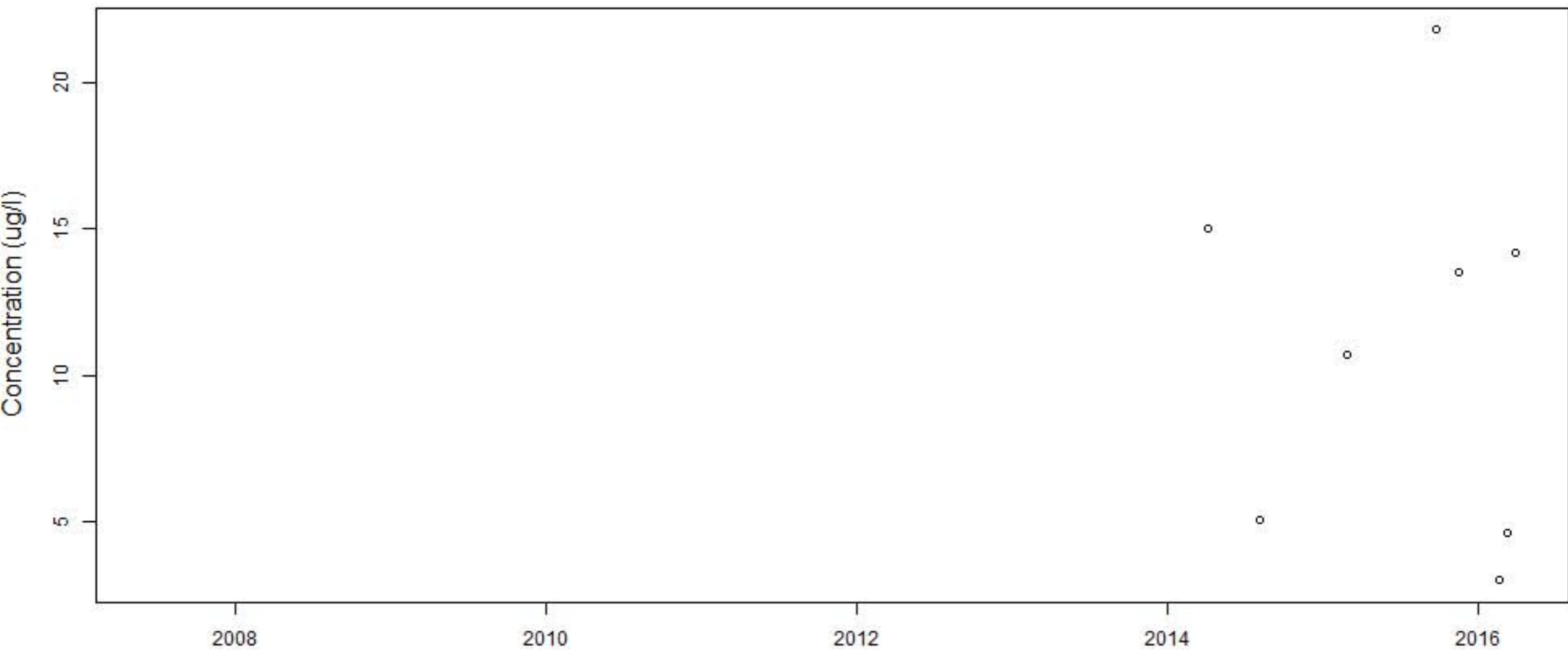
### Southside.Grab



# WEXFORD

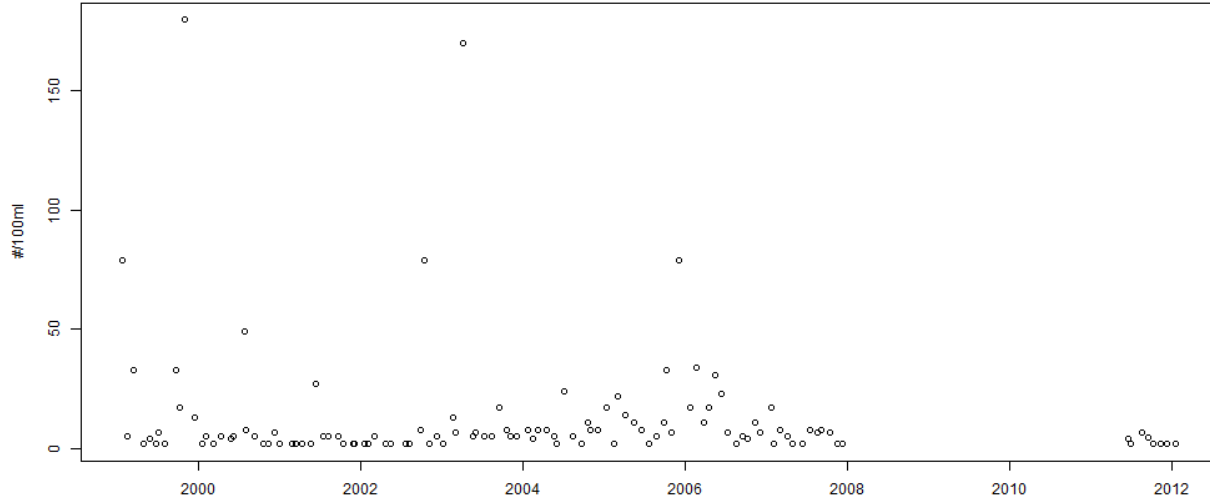


# WILD.HORSE

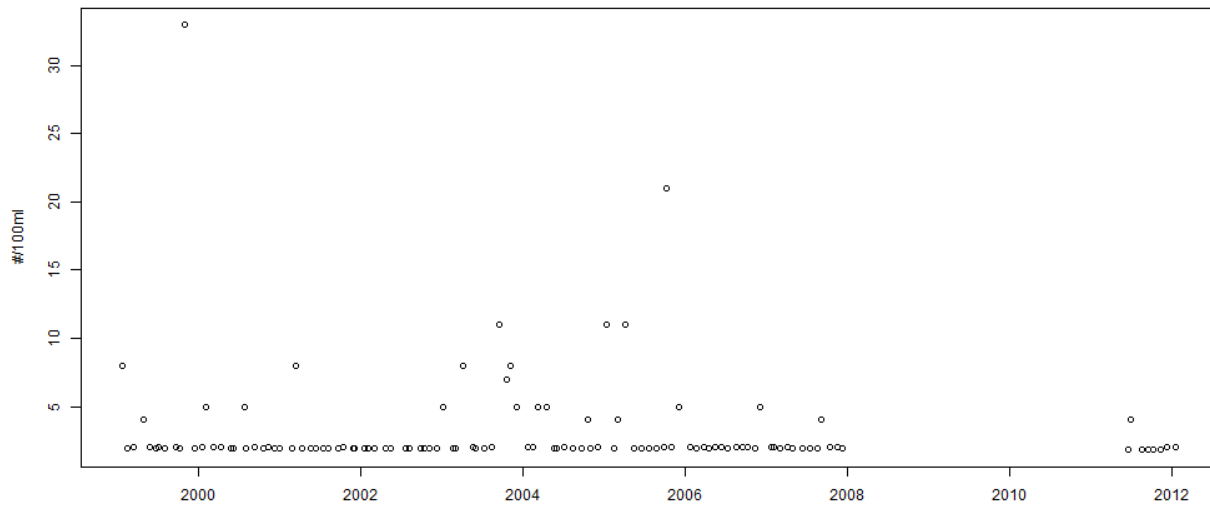


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### 14-02



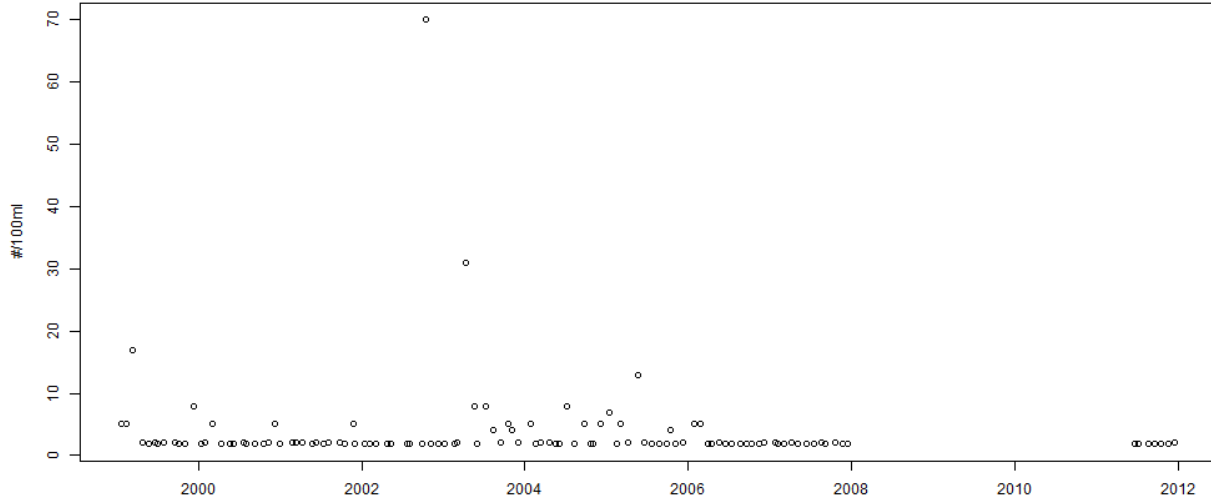
### 14-04



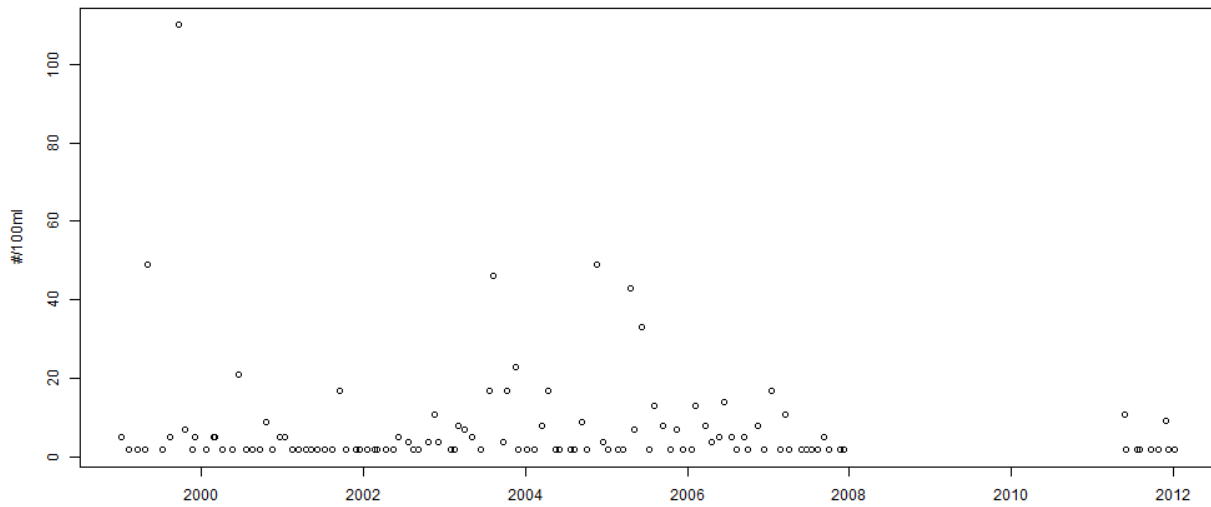




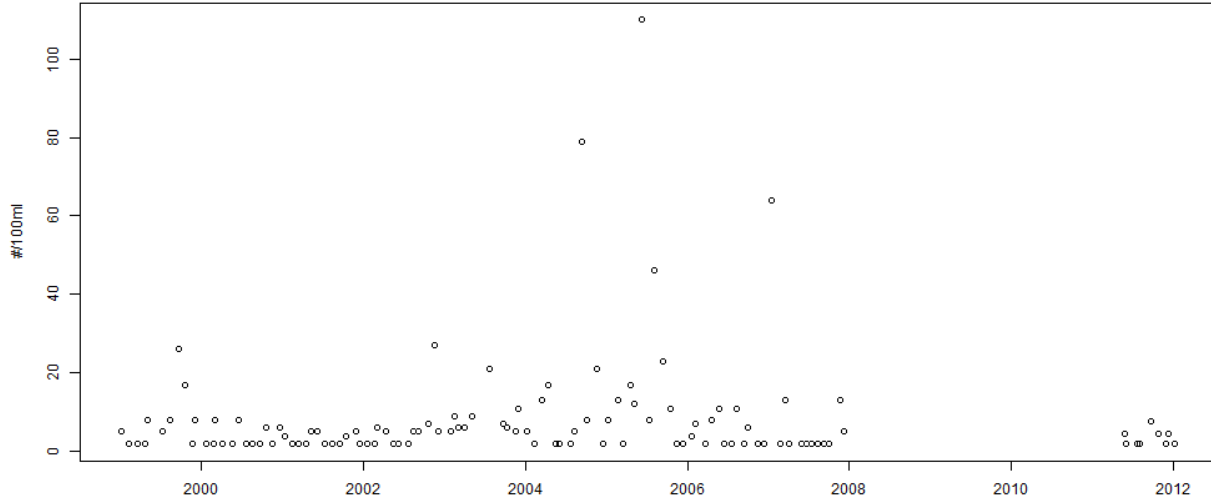
### 14-16A



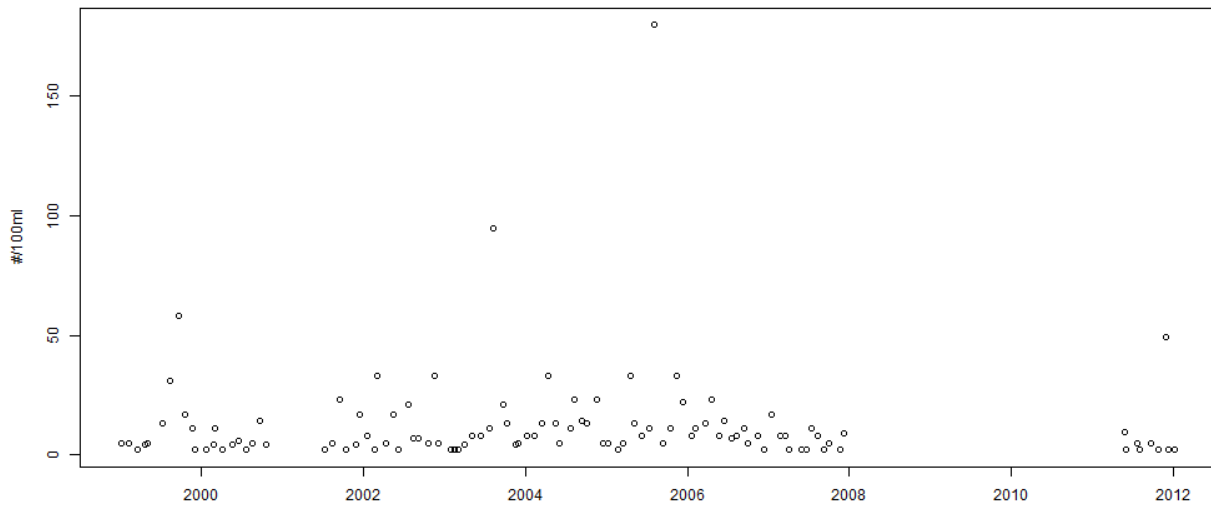
### 15-01



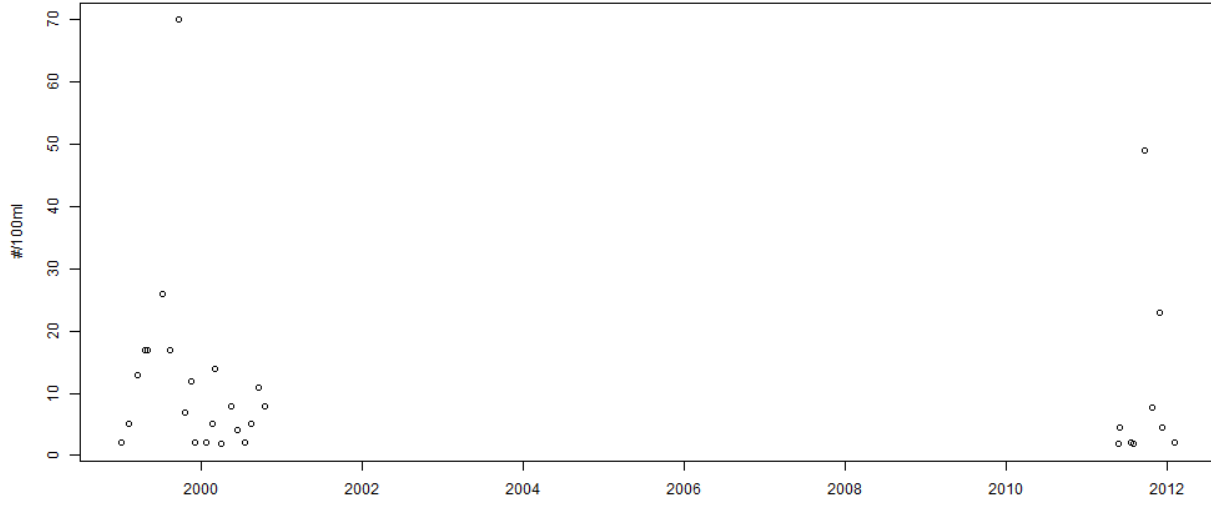
### 15-01A



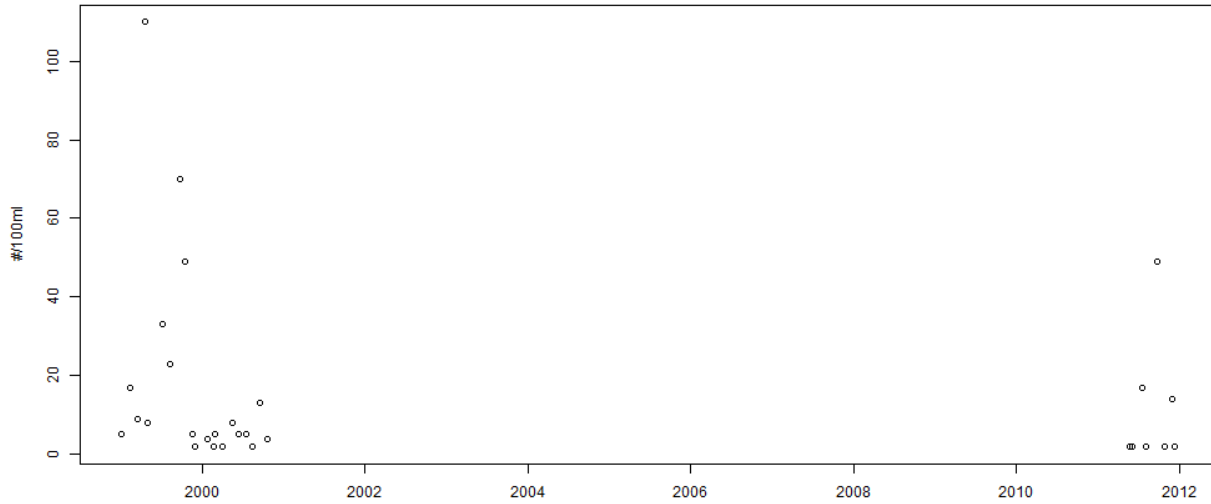
### 15-02



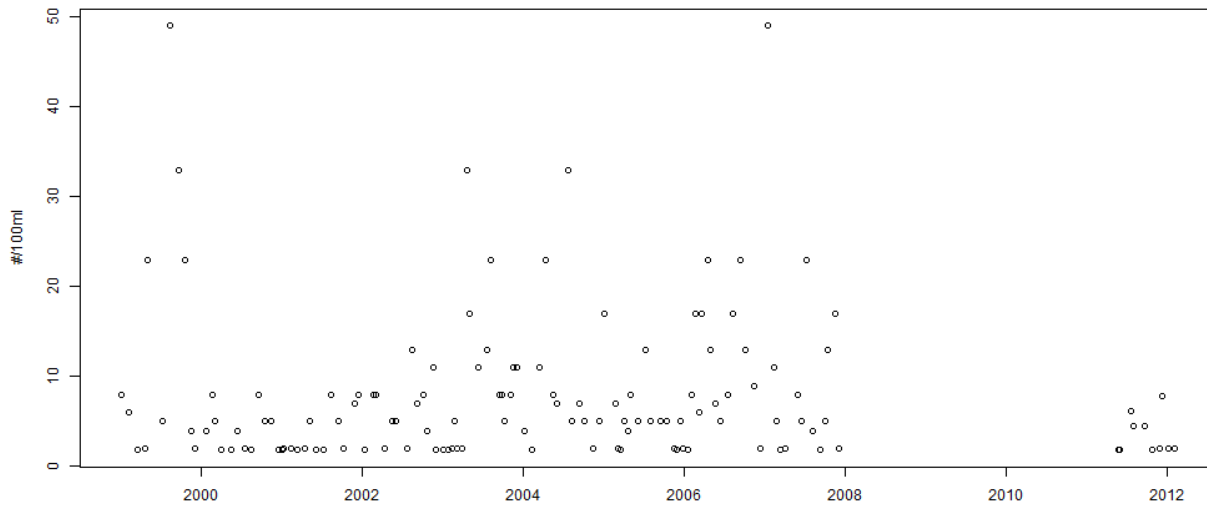
15-03



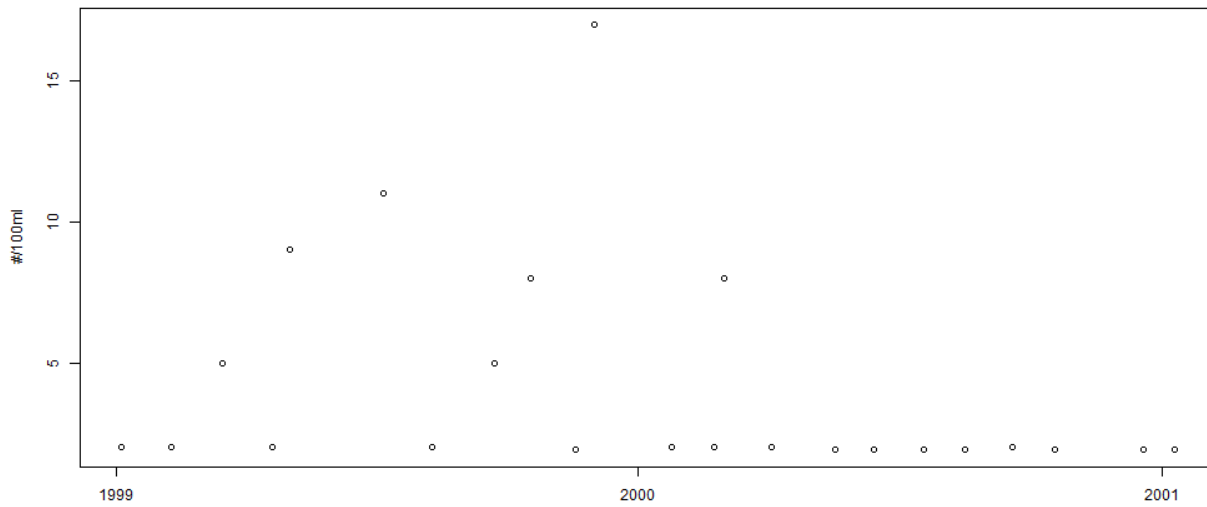
15-04



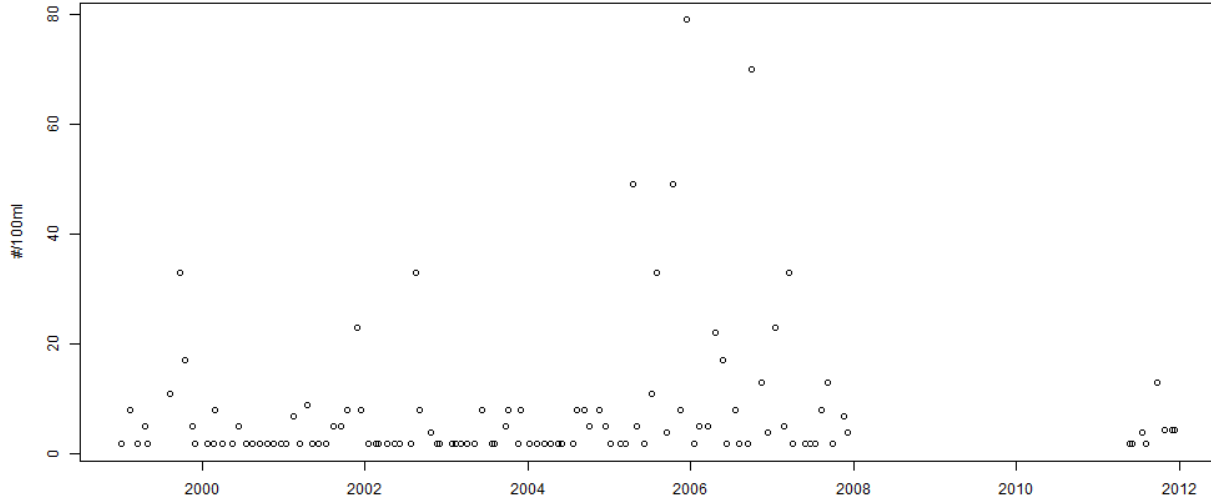
15-10



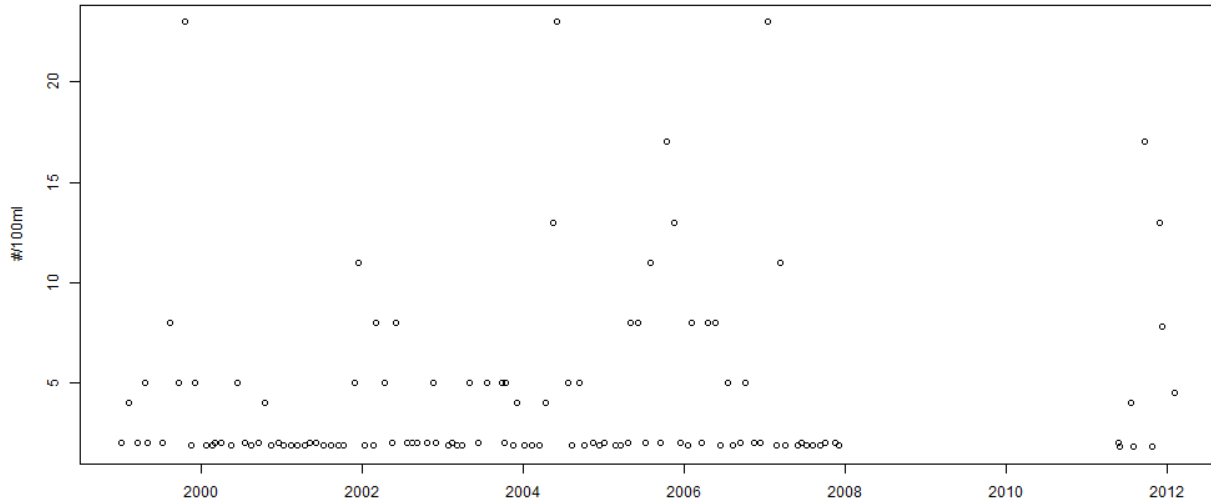
15-14



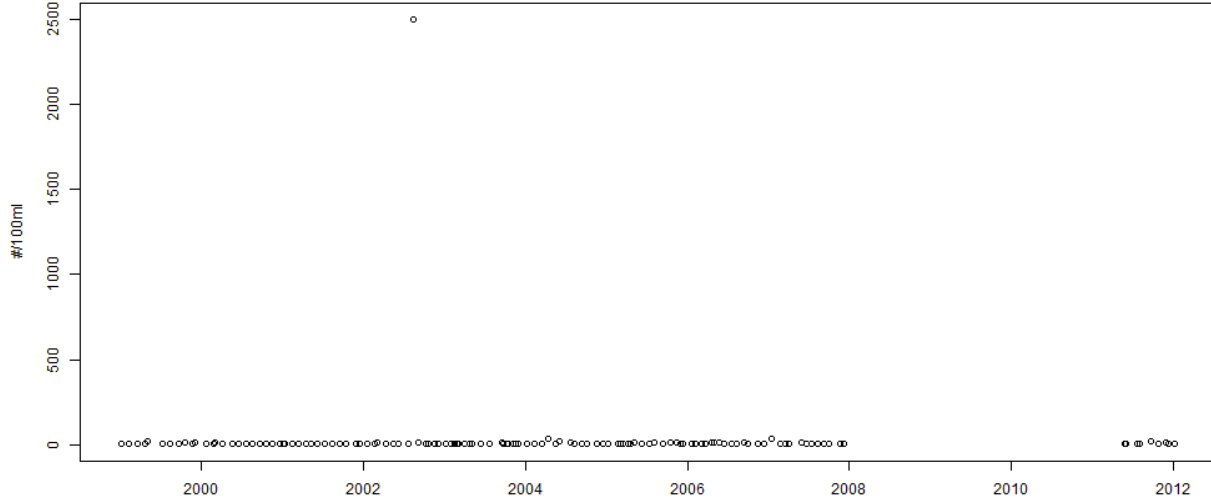
### 15-15



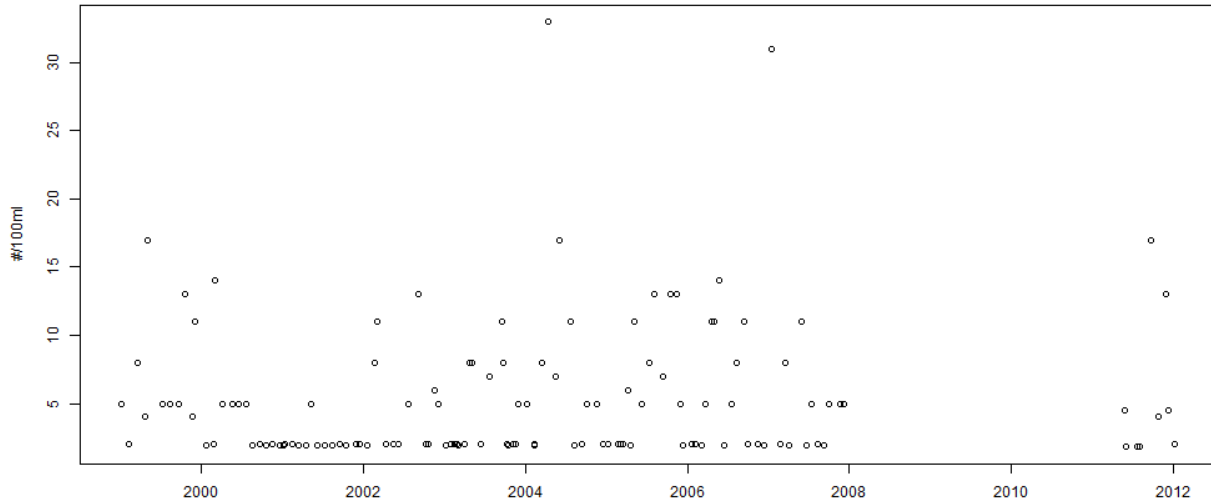
### 15-17



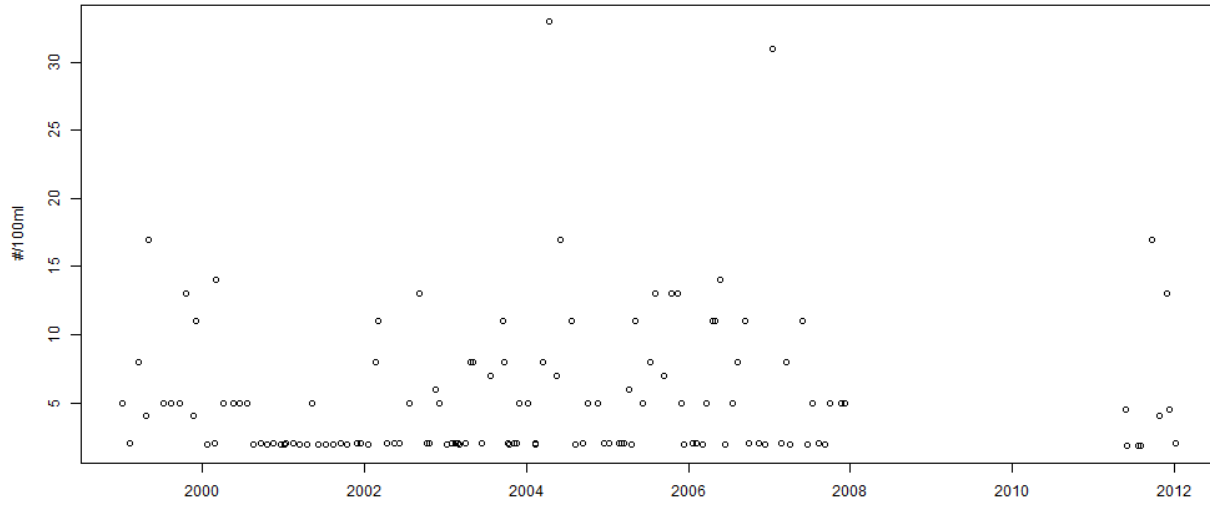
### 15-18



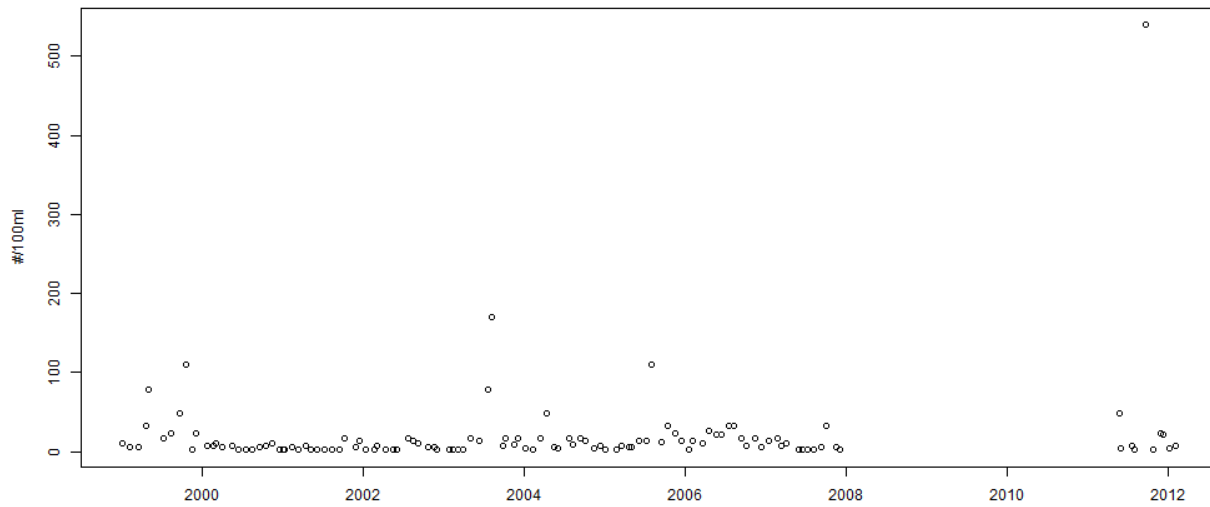
### 15-18\_edit



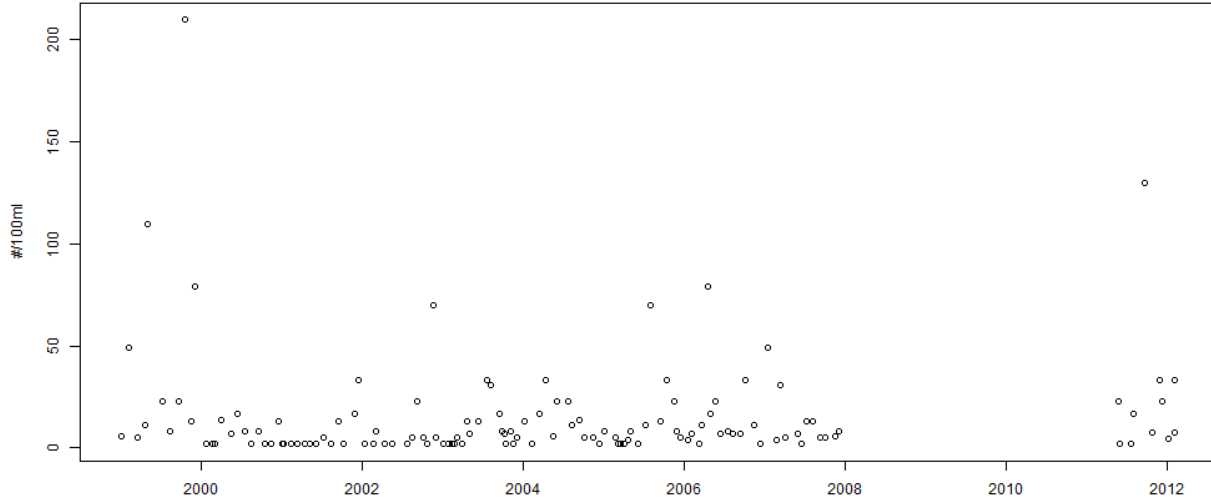
### 15-18edit



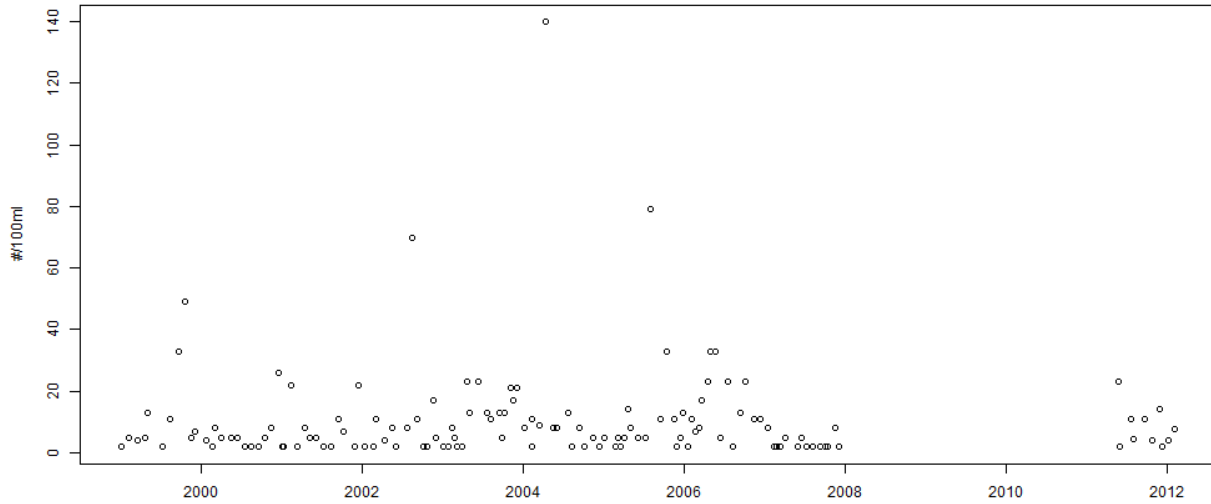
### 15-19



### 15-20

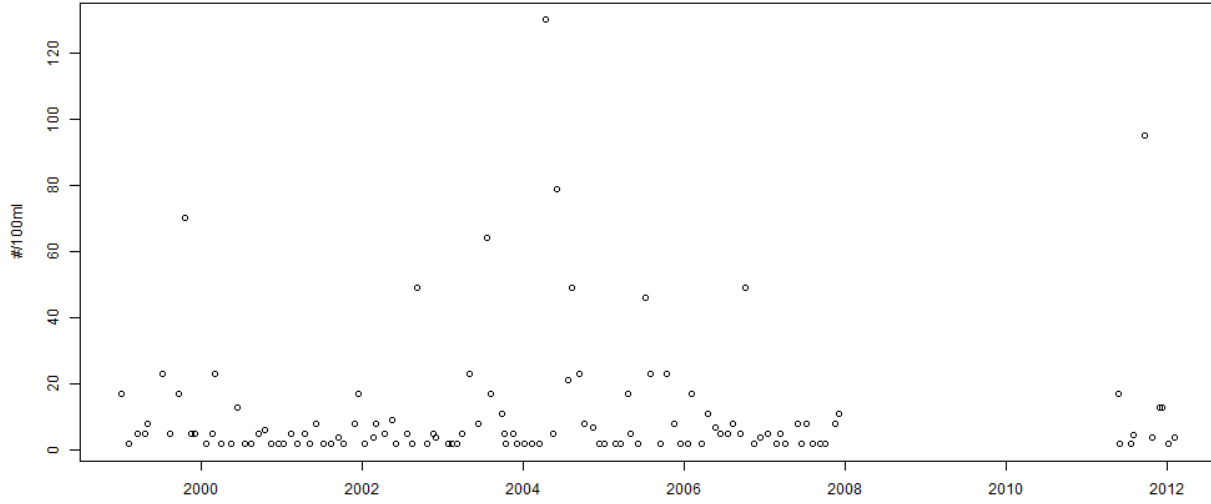


### 15-21

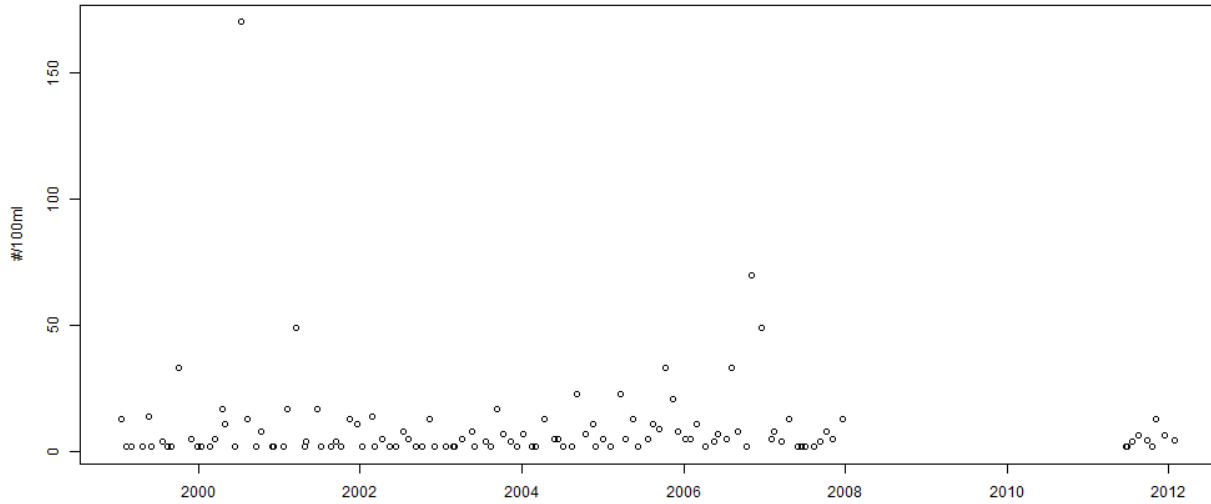




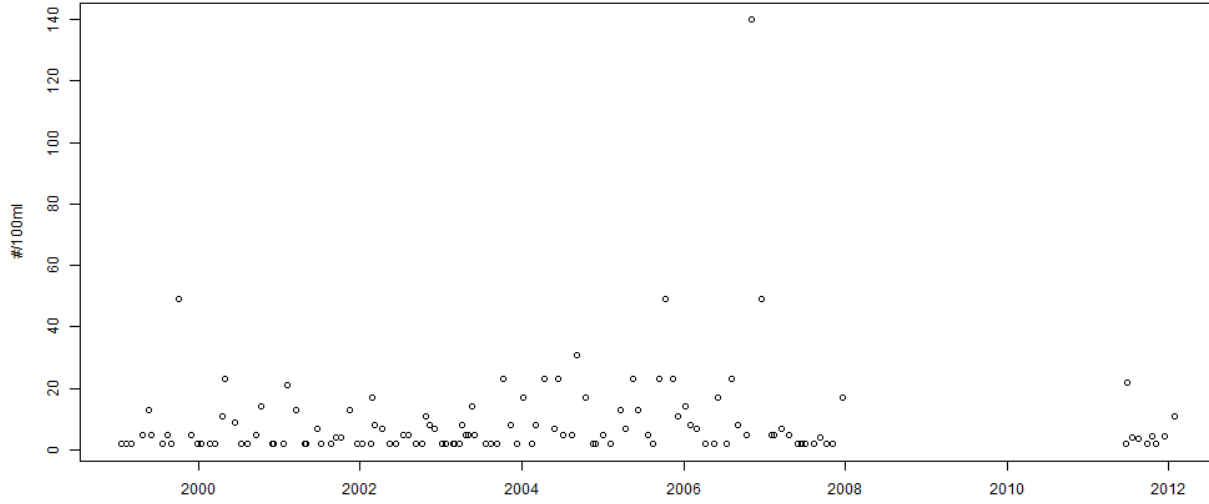
### 15-23



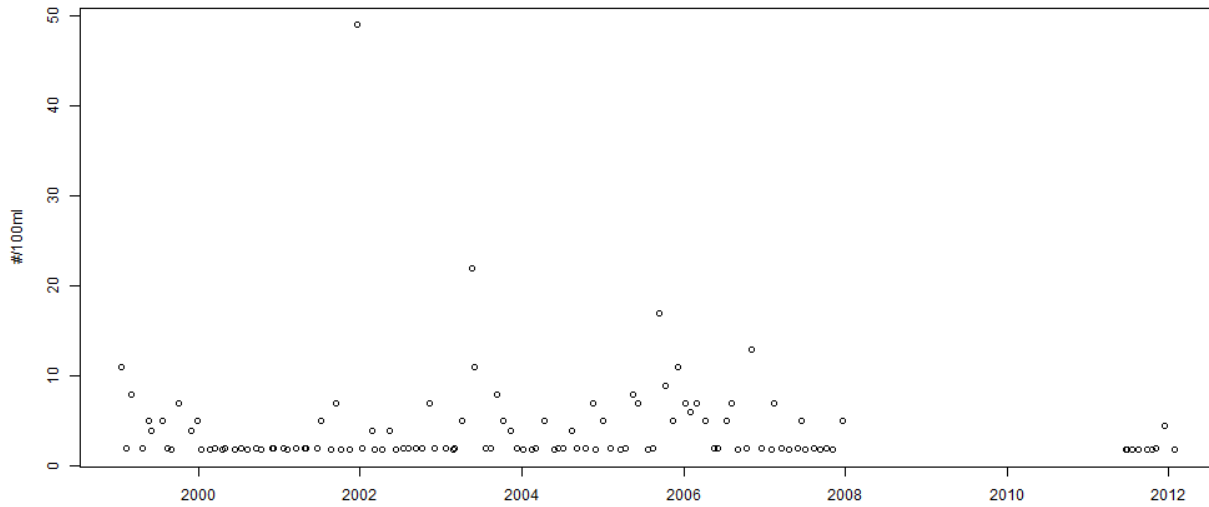
### 16A-08



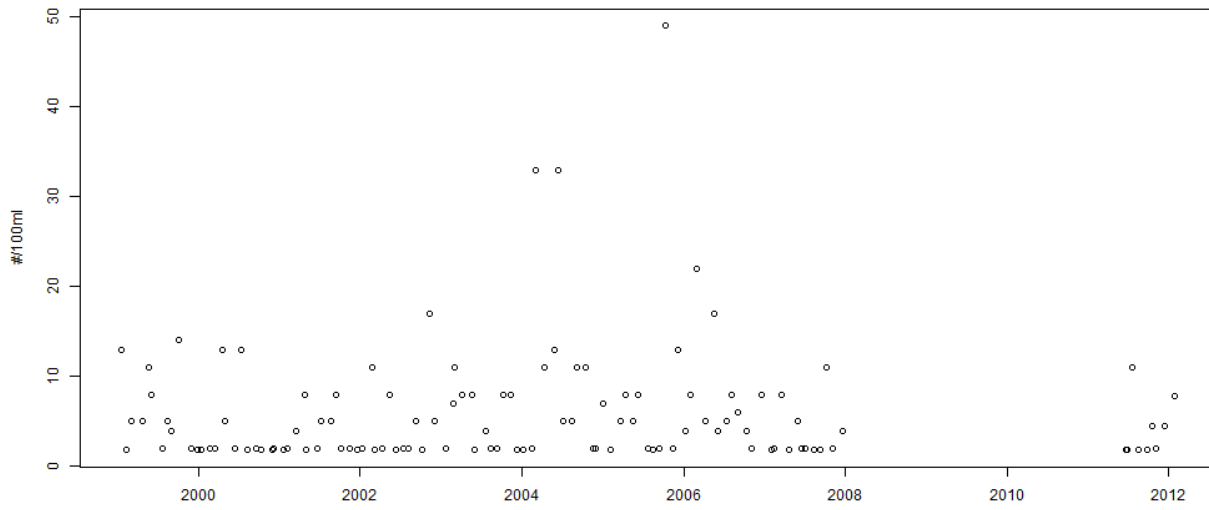
### 16A-09



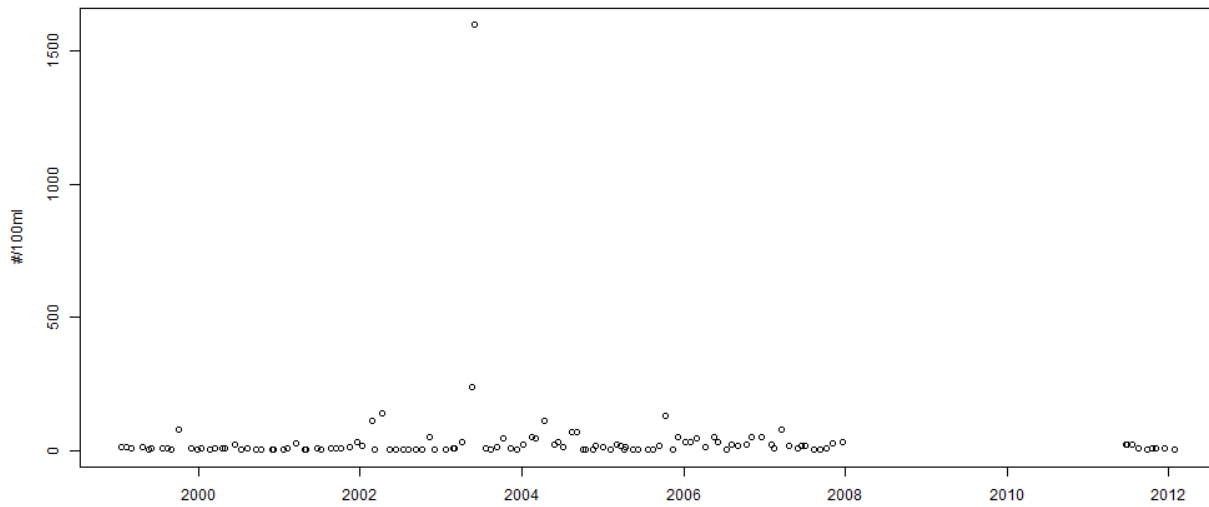
### 16A-10



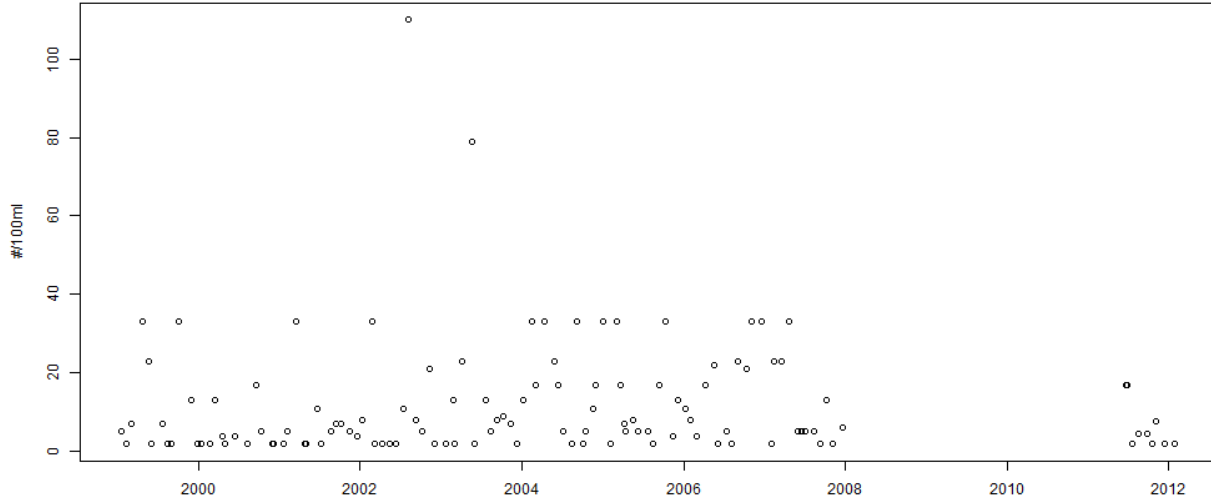
### 16A-11



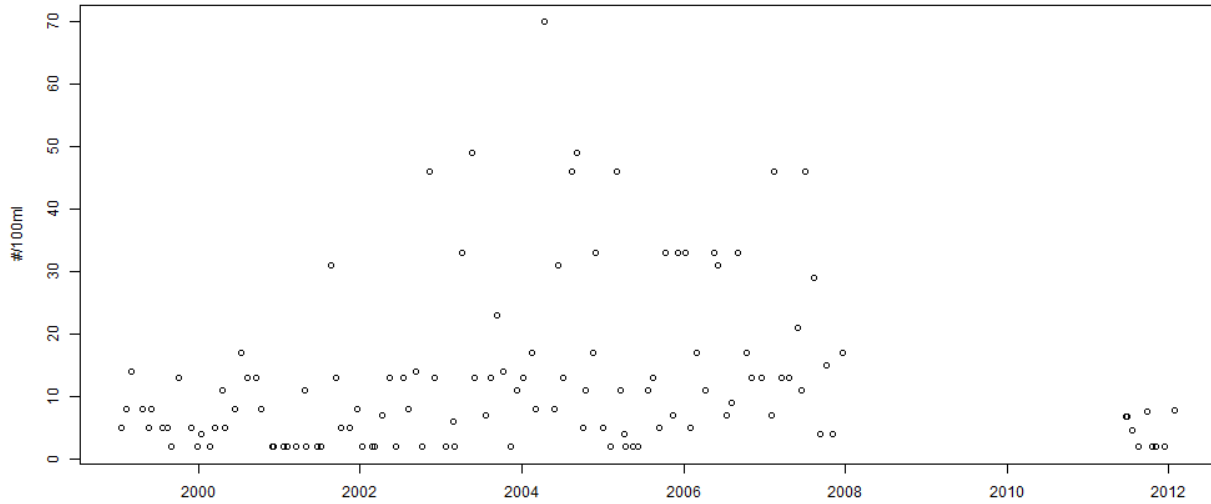
### 16A-13



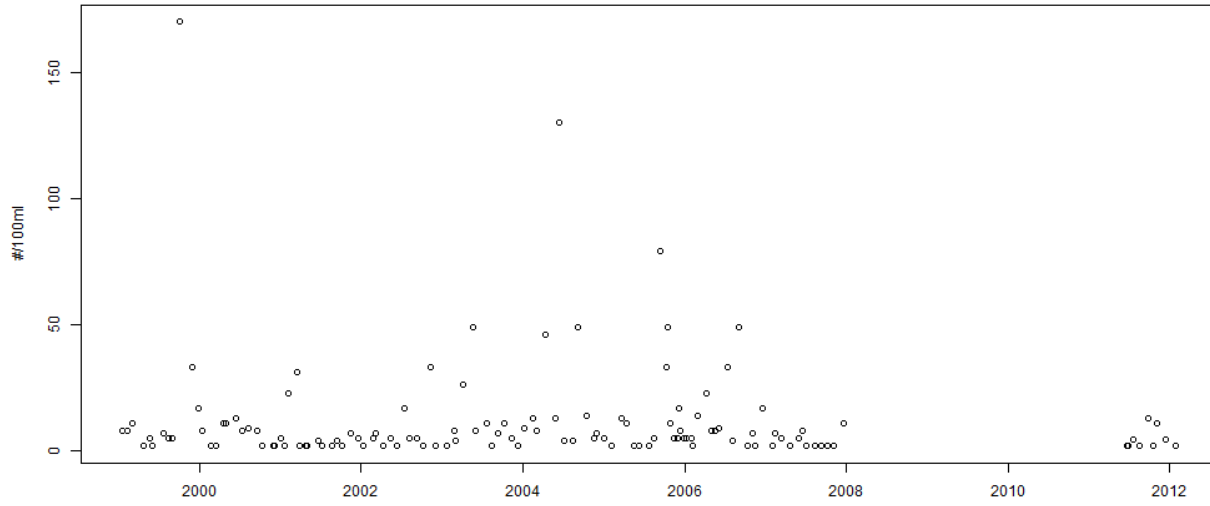
**16A-13A**



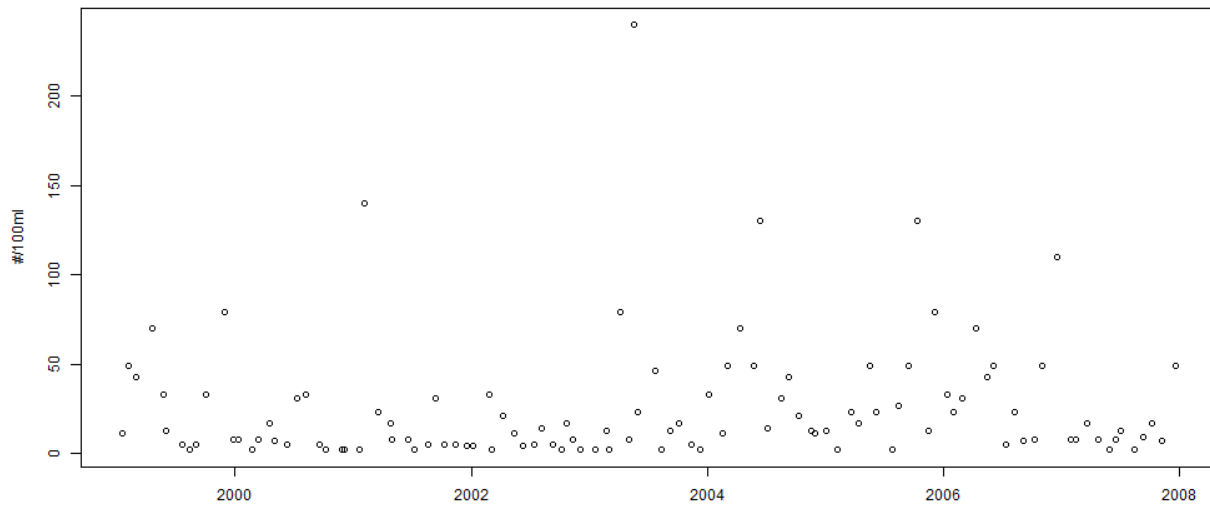
**16A-13B**



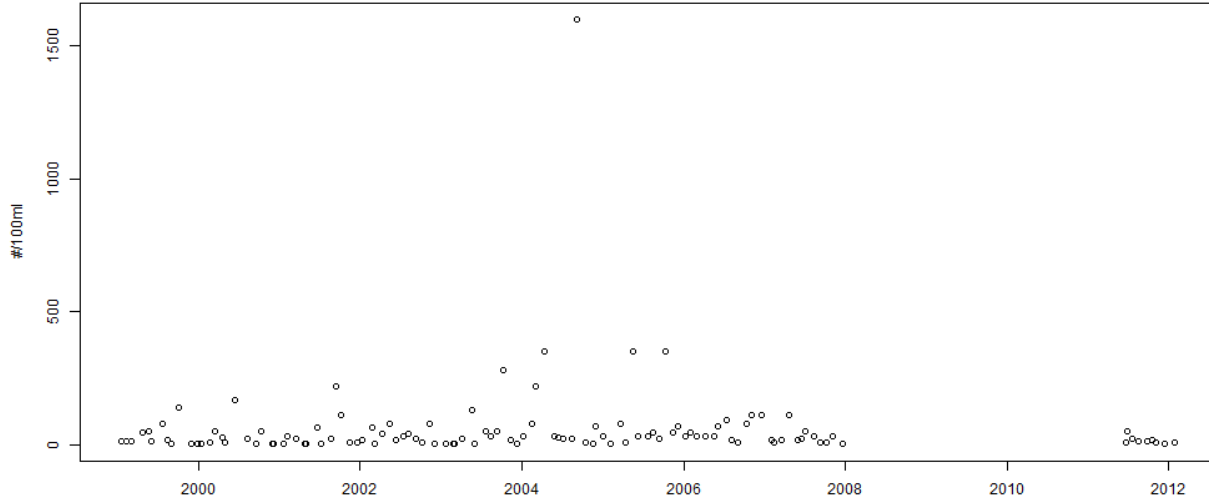
### 16A-14



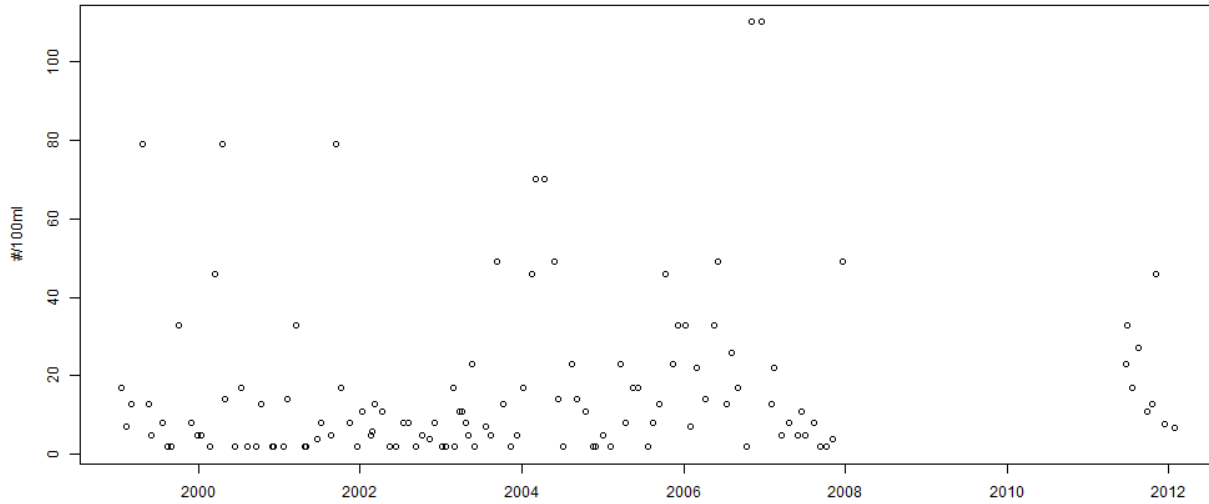
### 16A-18



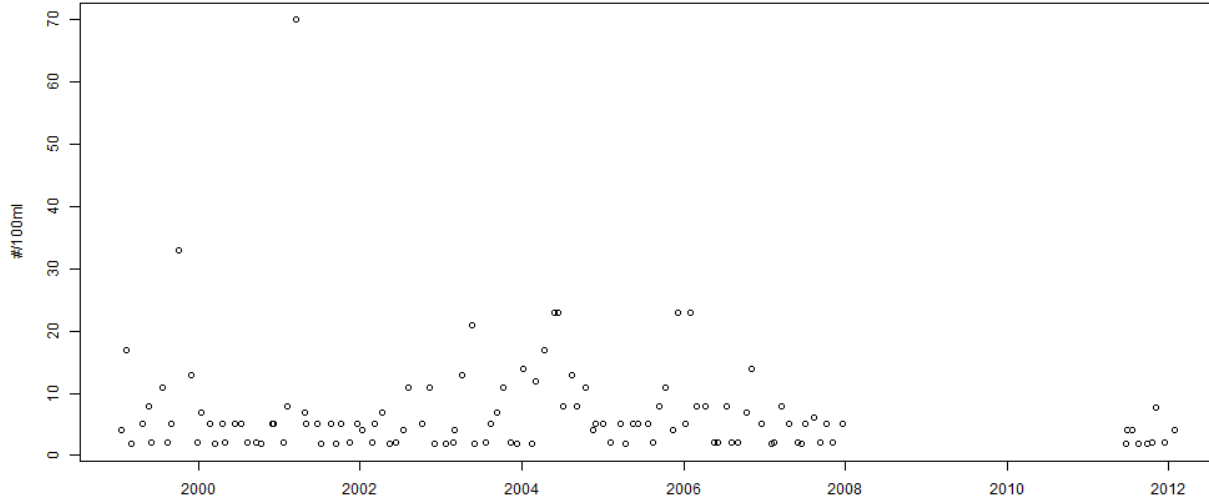
### 16A-19



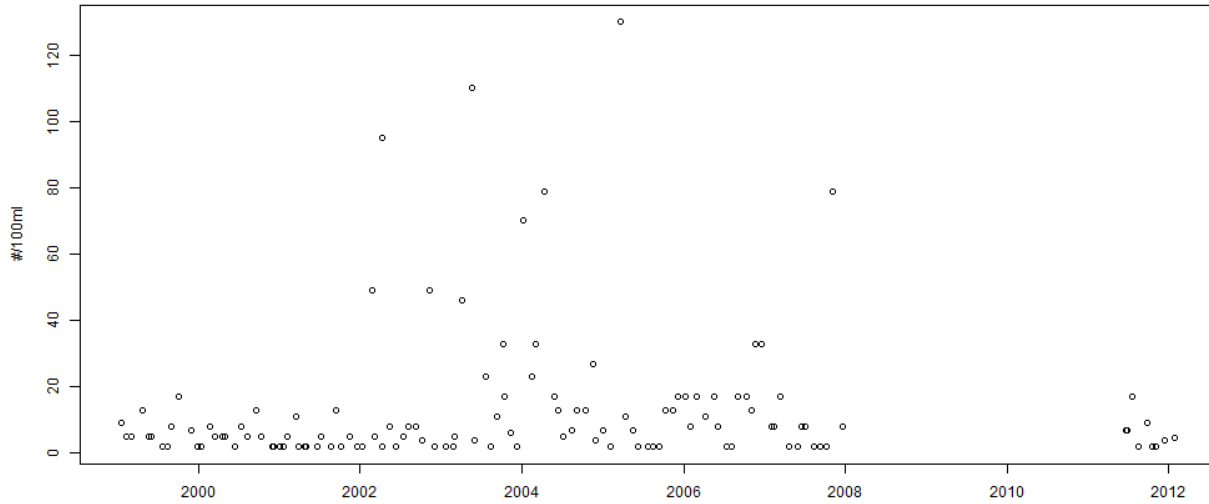
### 16A-23



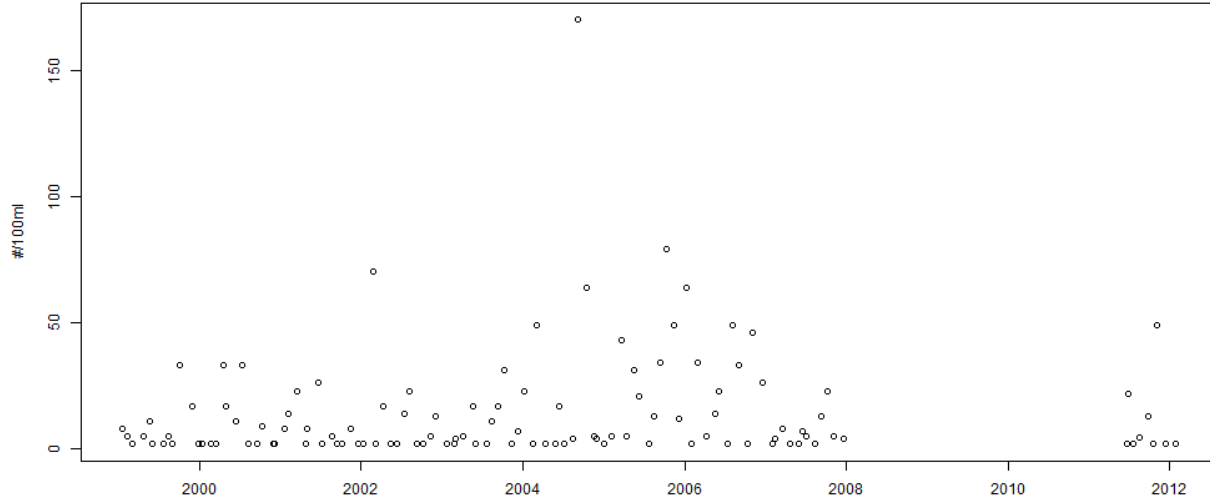
### 16A-24



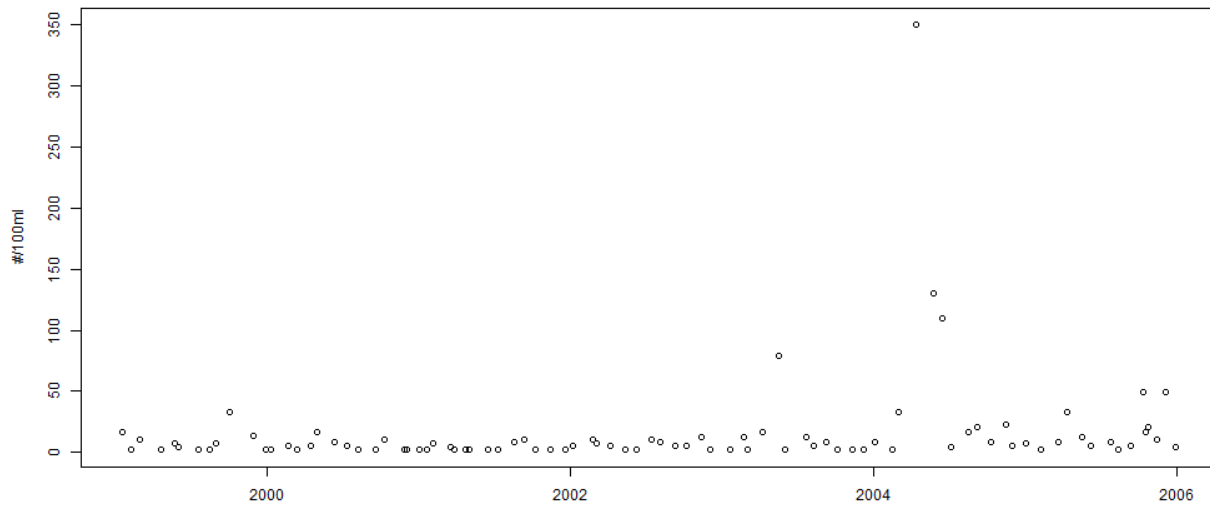
### 16A-25



### 16A-27

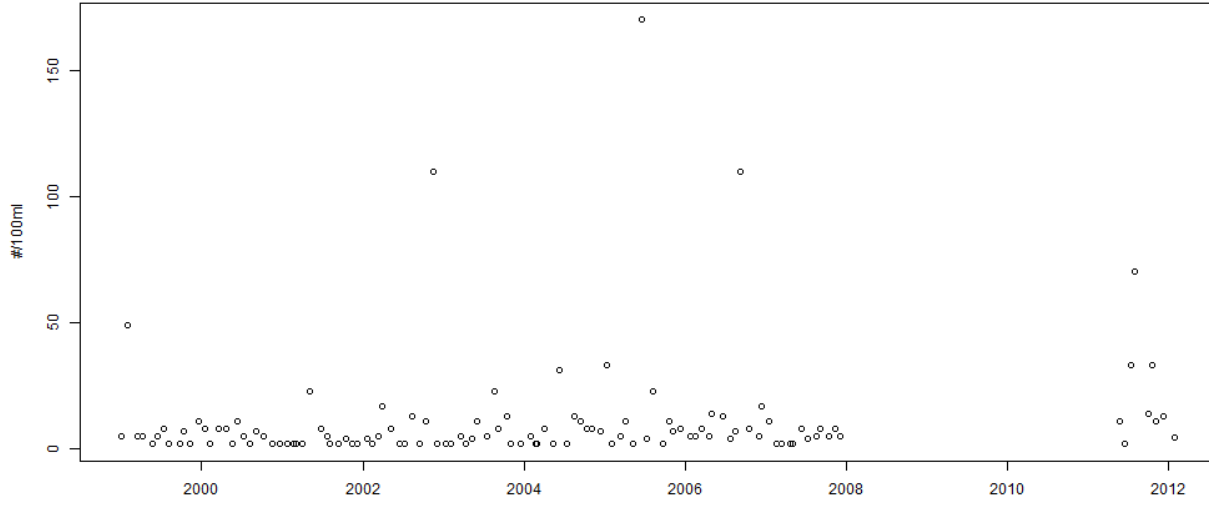


### 16A-30

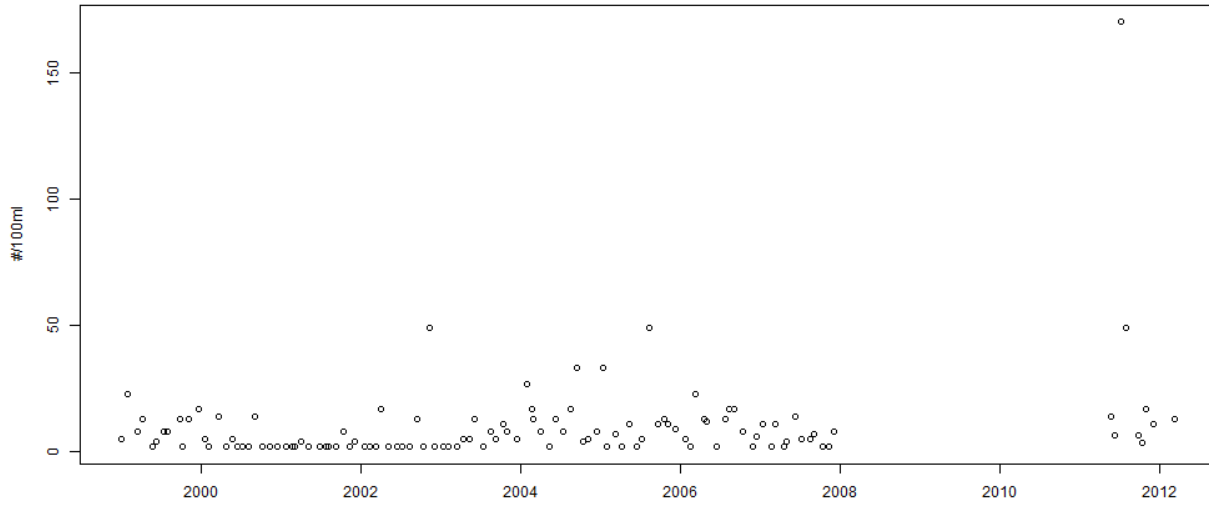




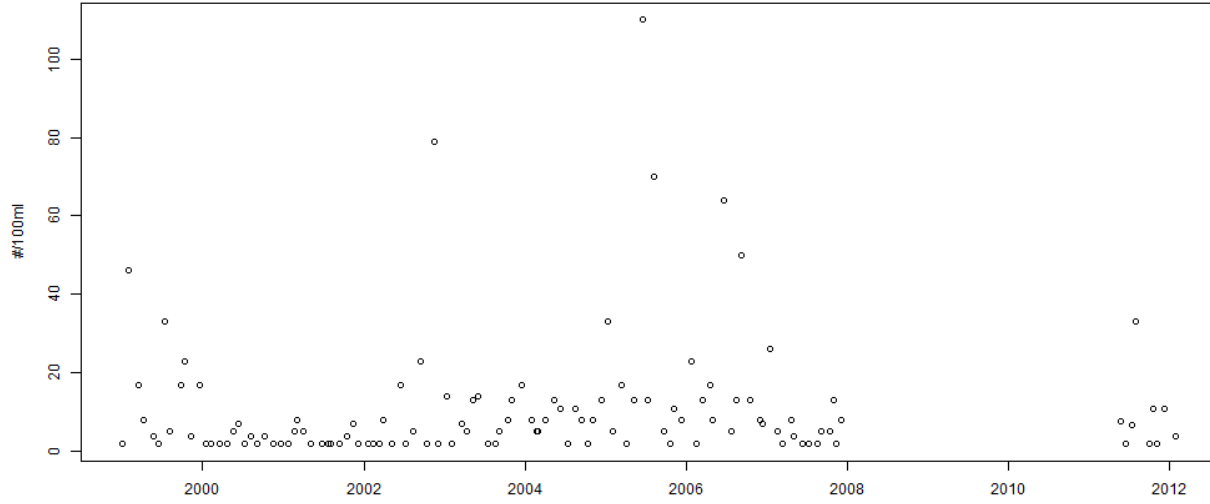
### 18-01



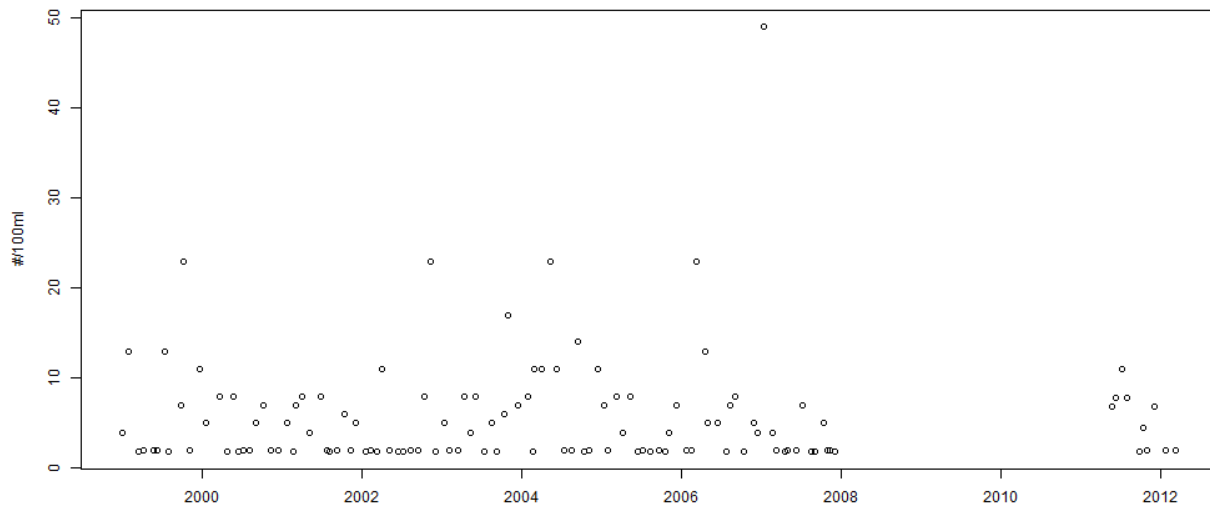
### 18-02



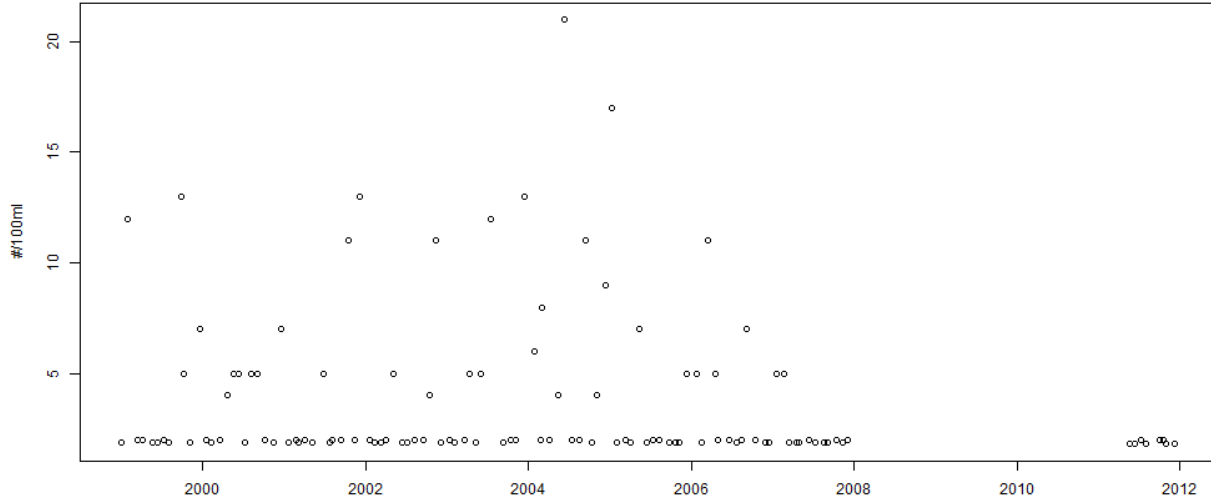
### 18-03



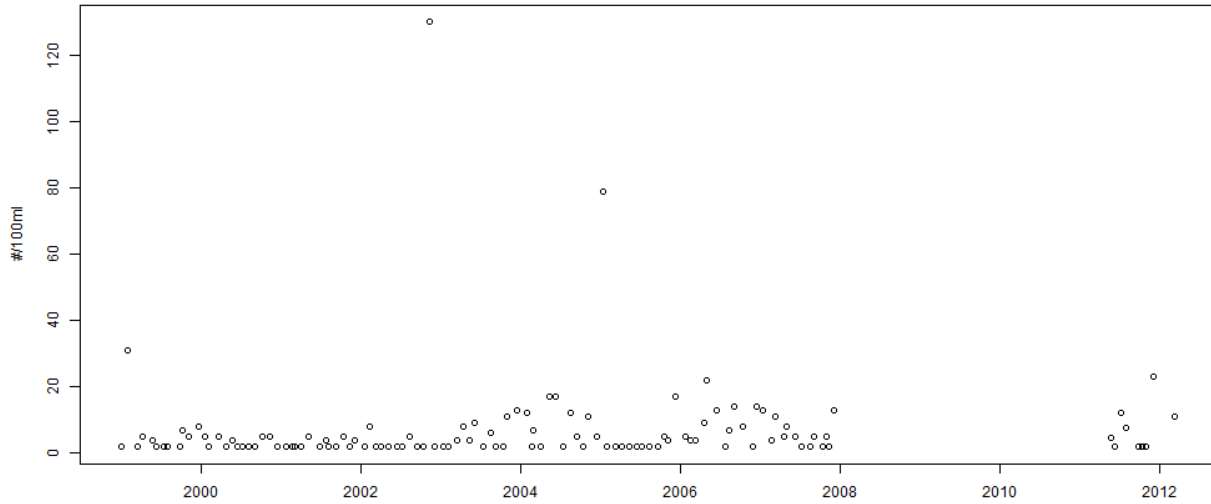
### 18-04



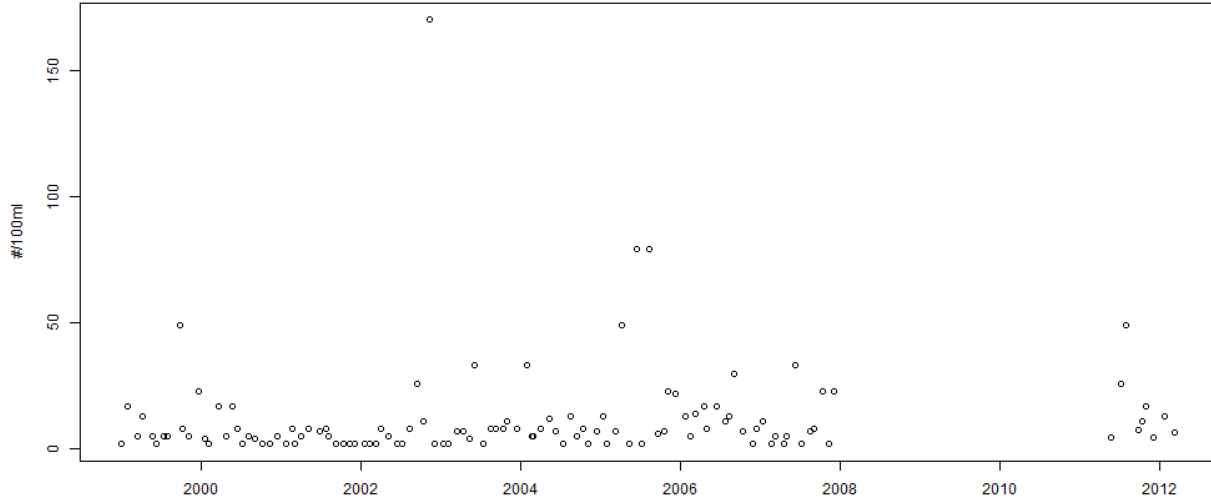
### 18-05



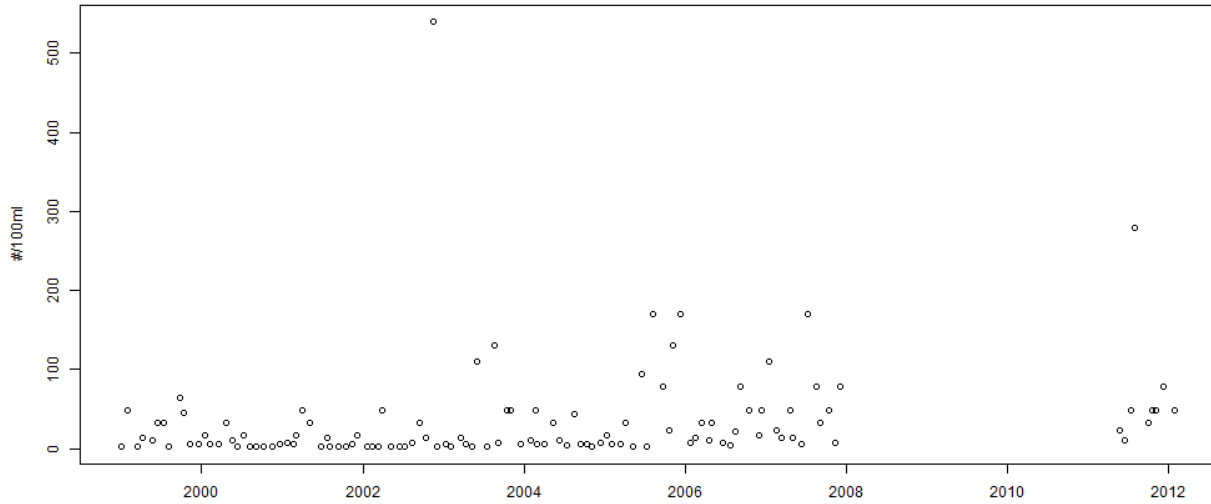
### 18-06



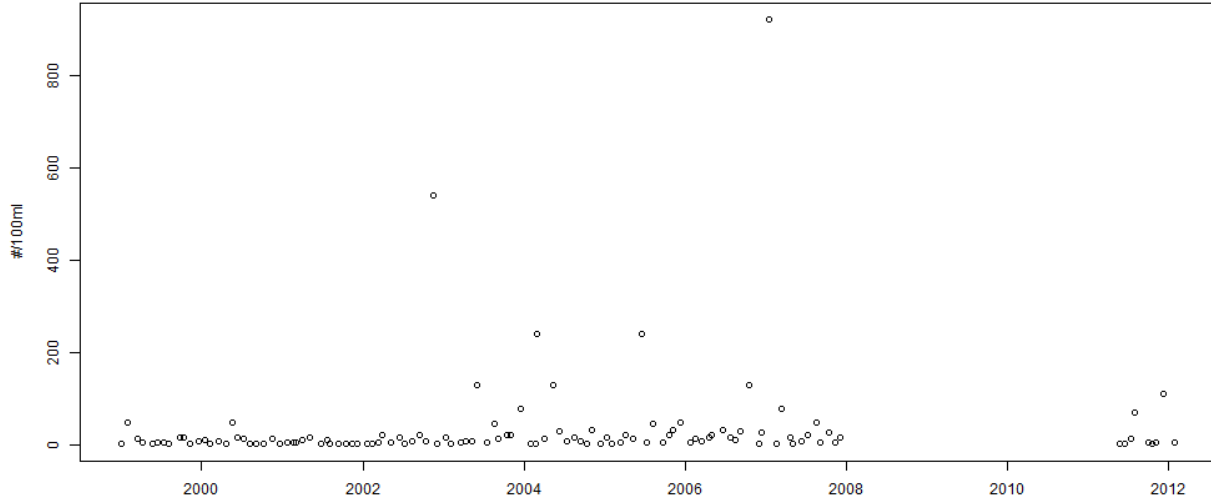
### 18-07



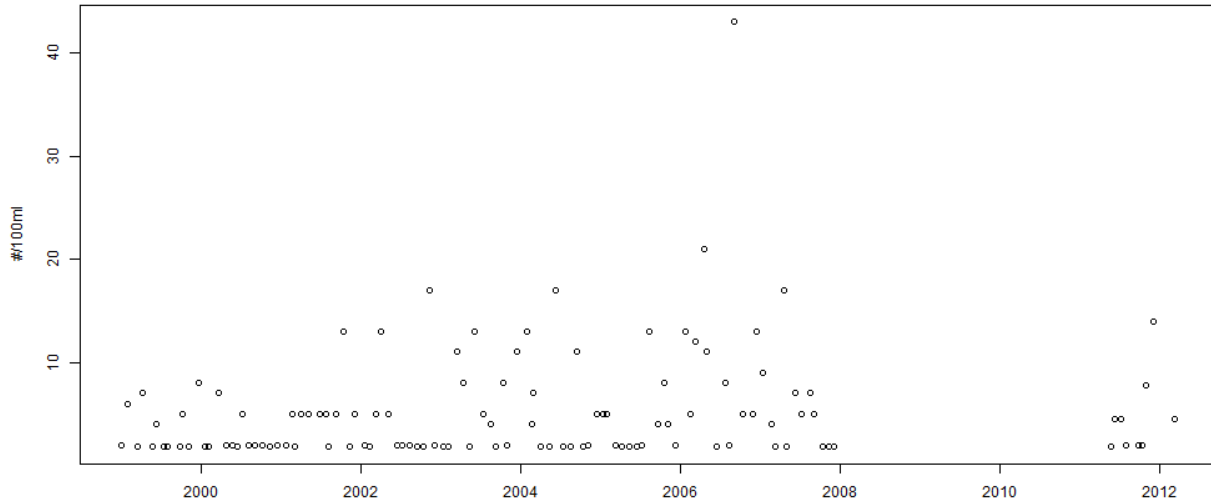
### 18-08



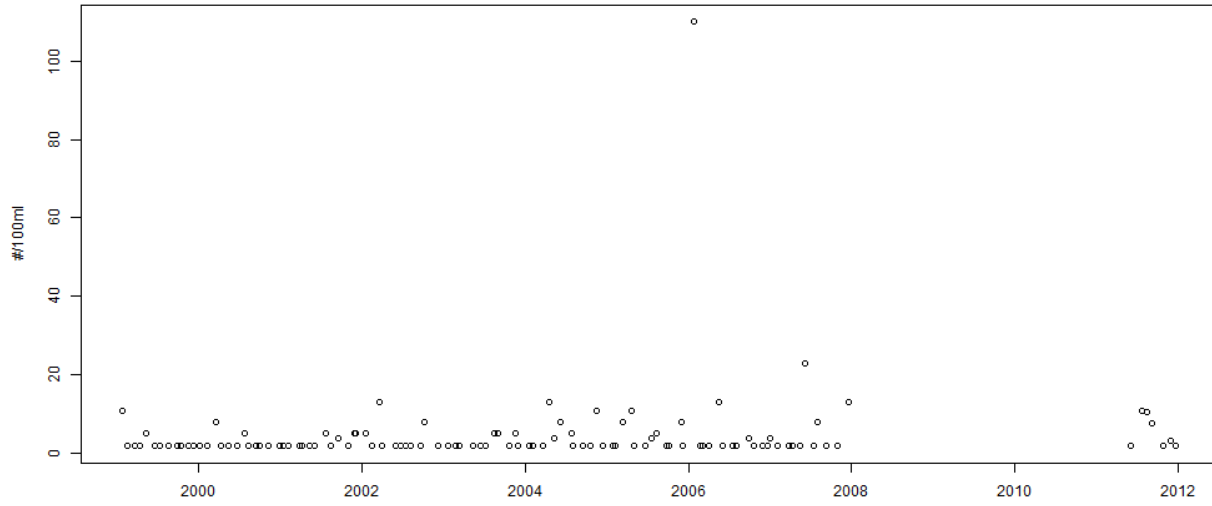
### 18-09



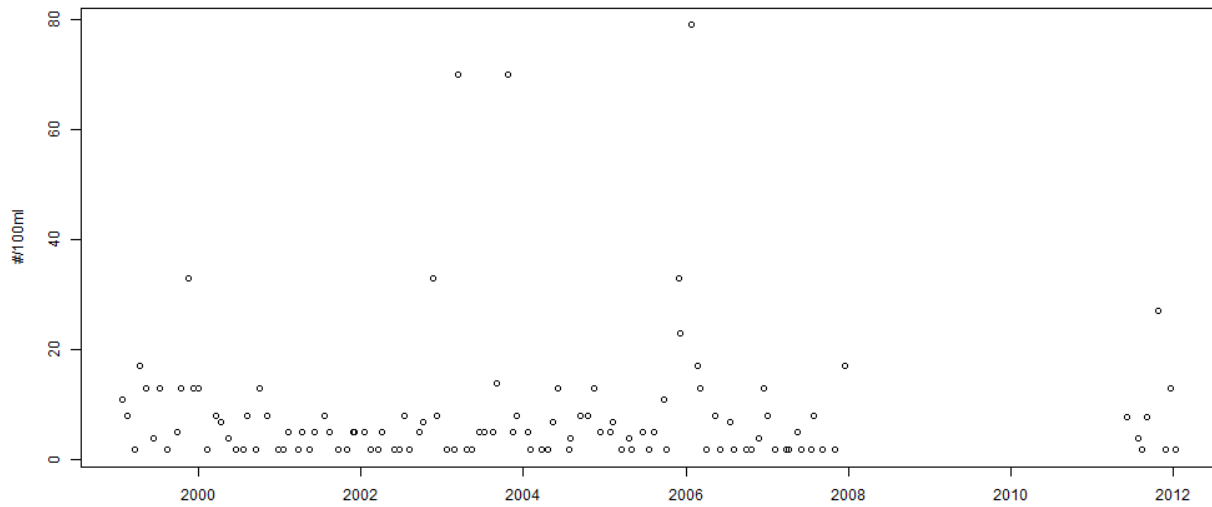
### 18-15



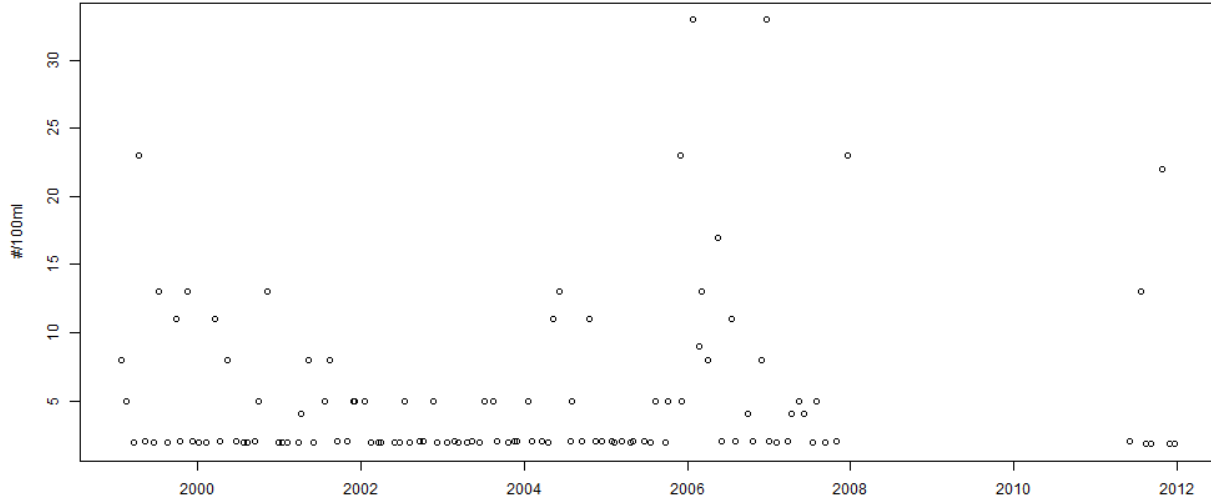
### 19-01



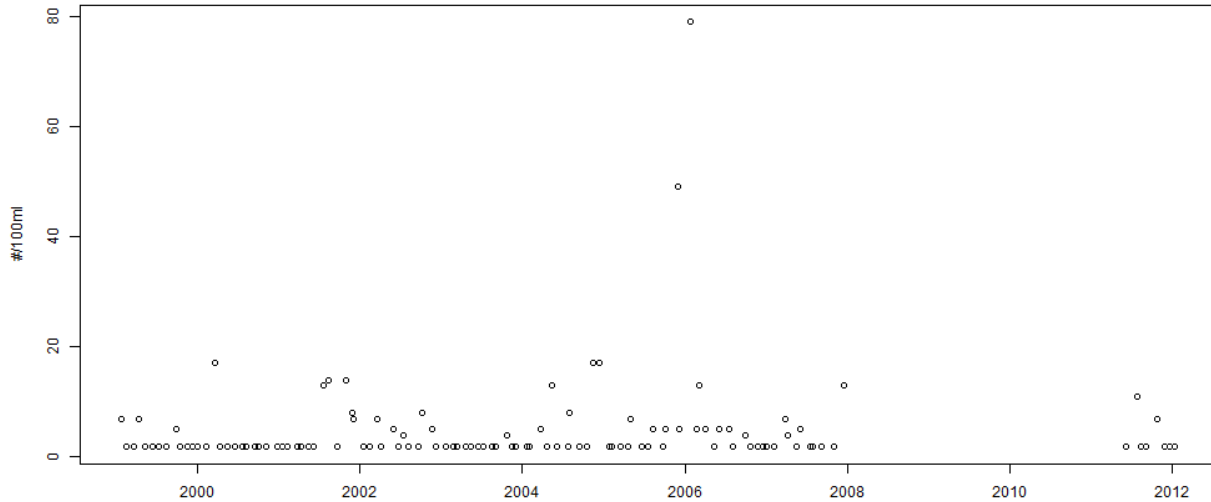
### 19-02



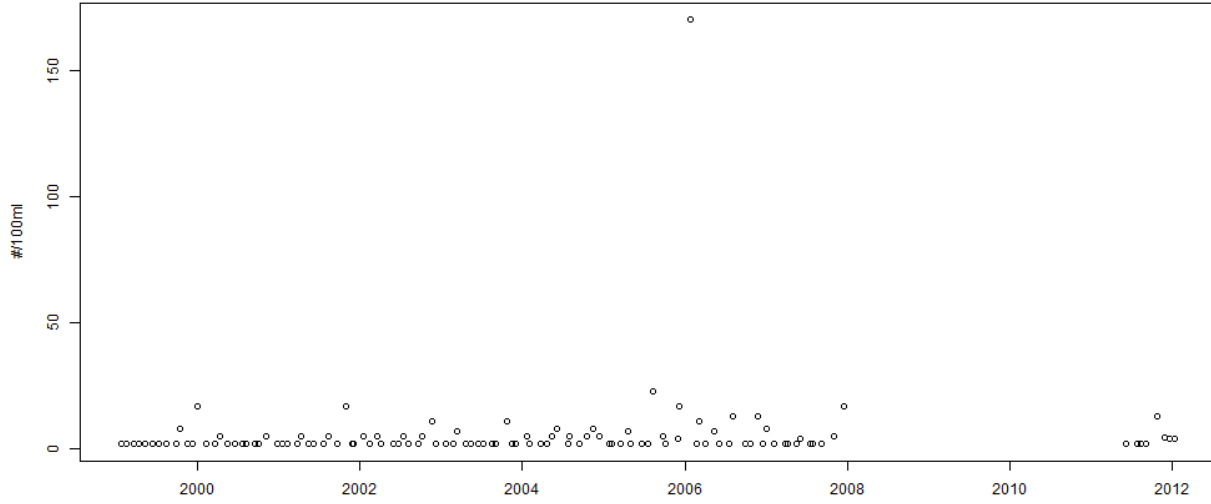
### 19-03



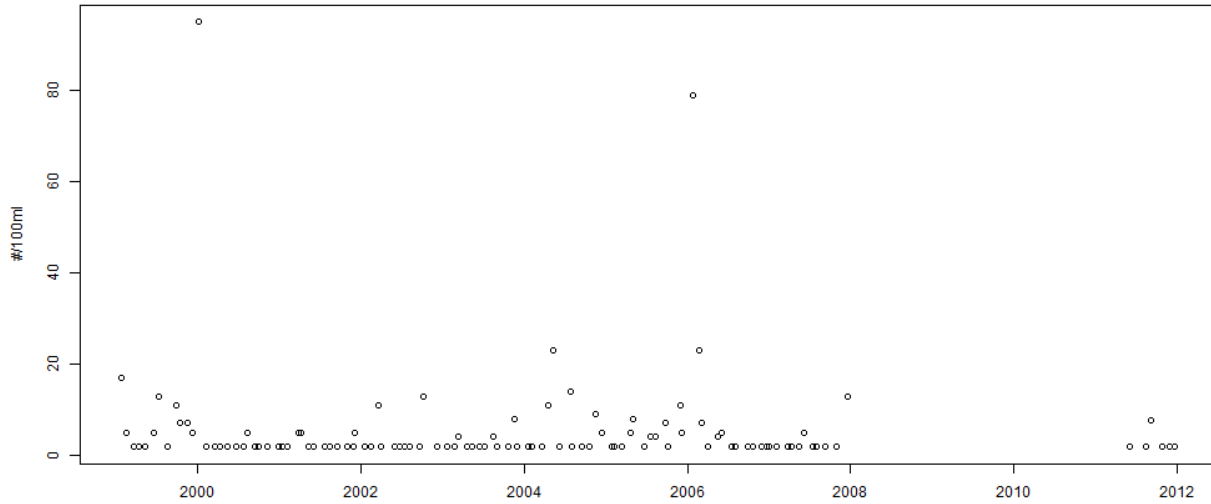
### 19-09



### 19-11

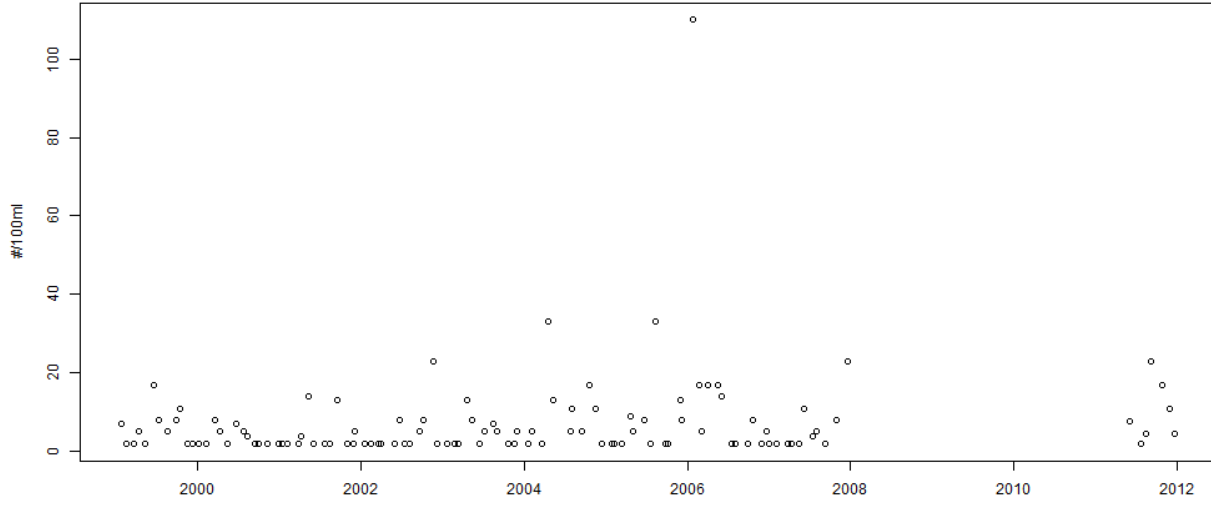


### 19-12

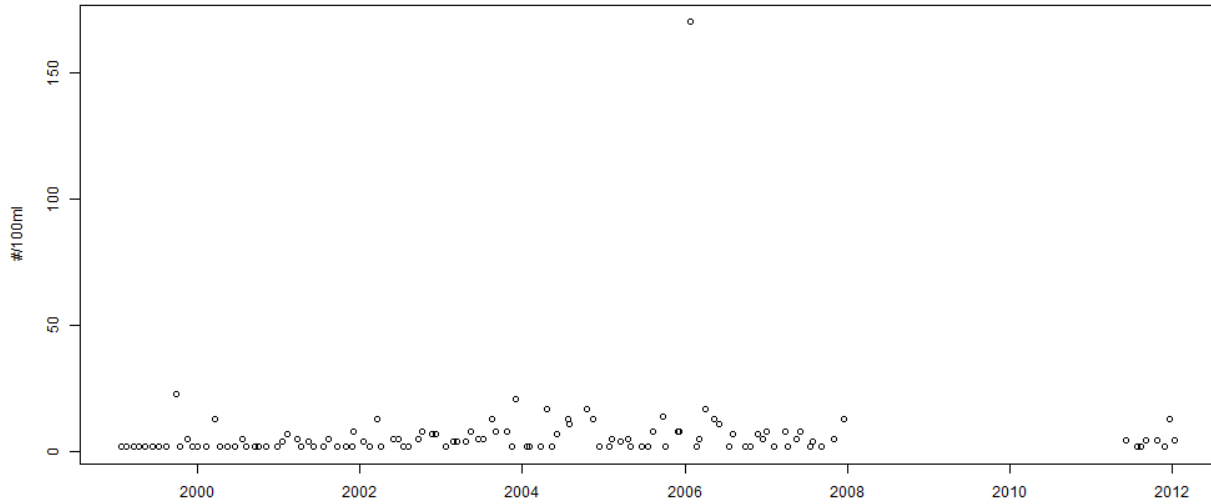




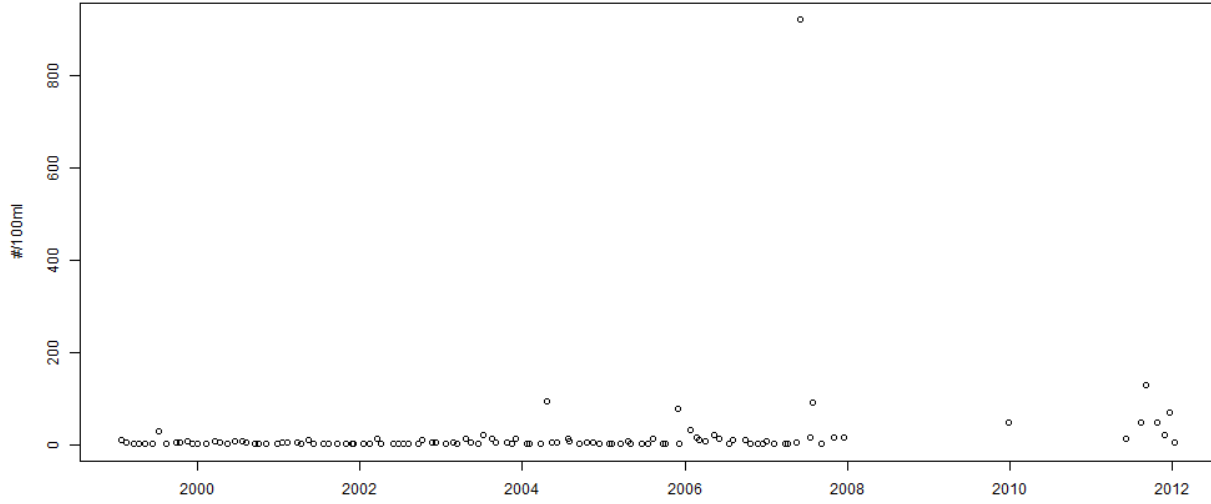
**19-16**



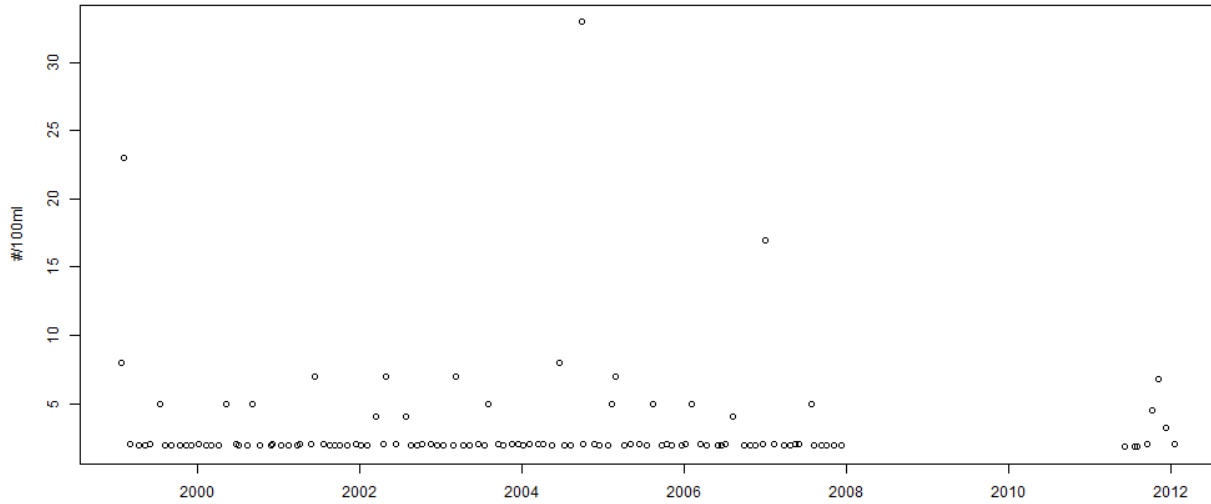
**19-18**



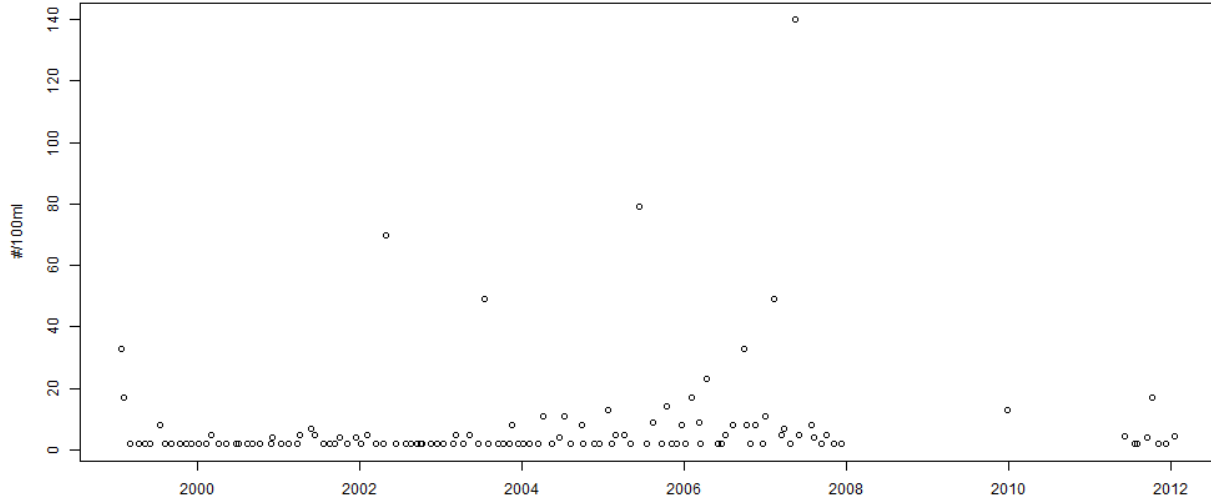
### 19-19



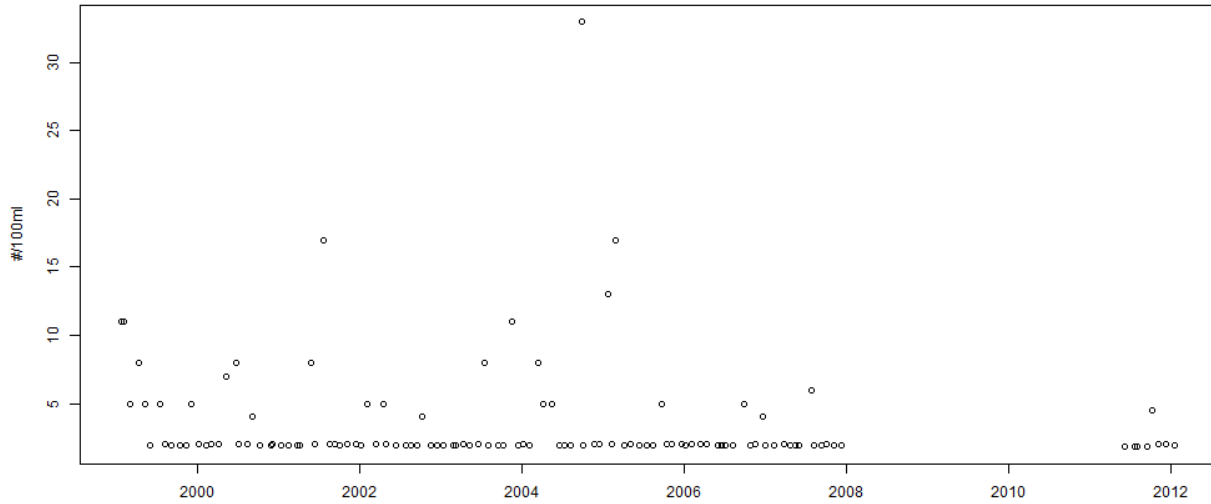
### 20-02



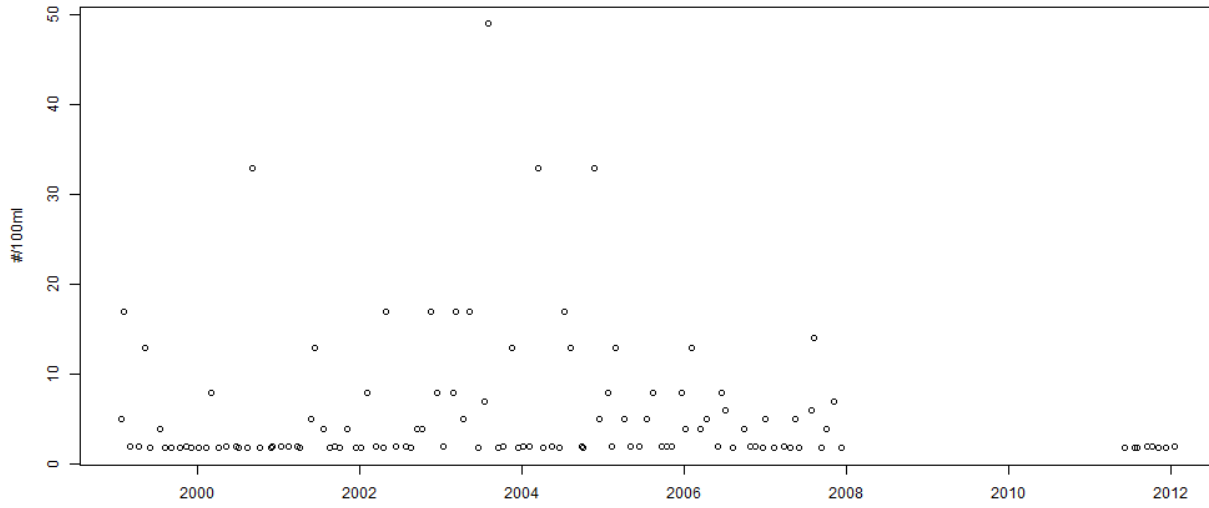
### 20-03



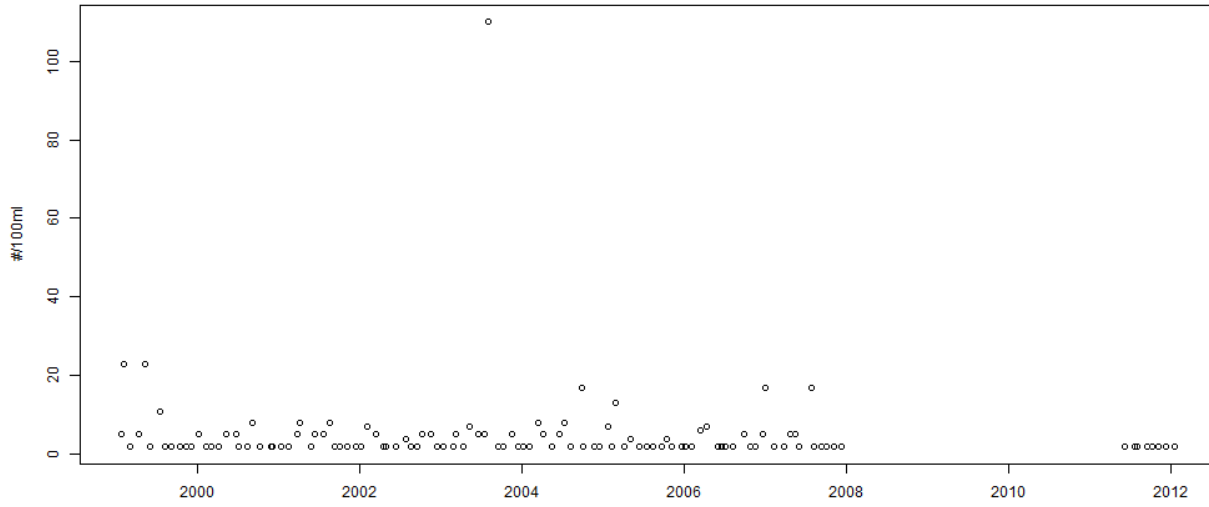
### 20-05



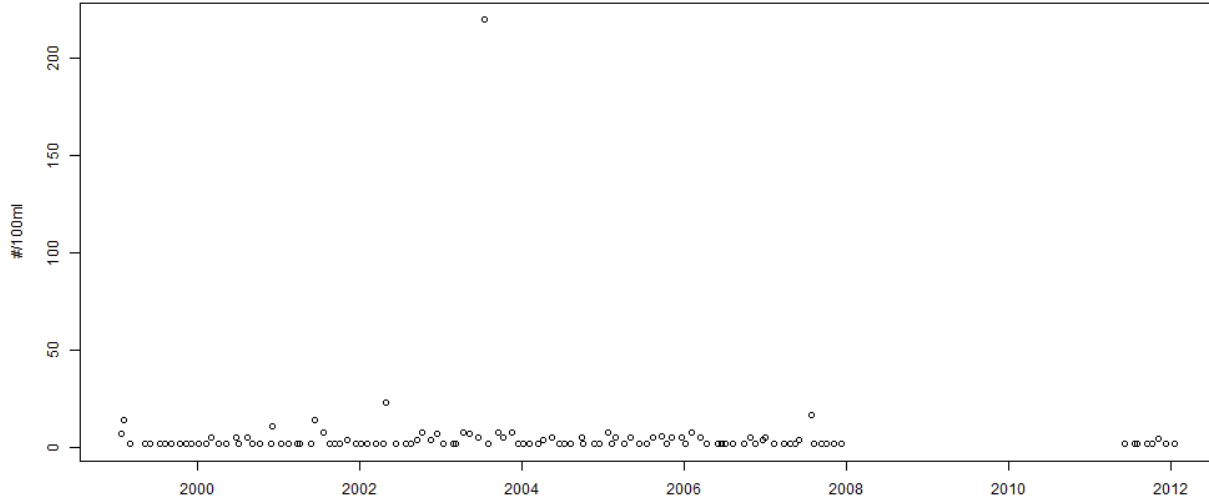
### 20-06



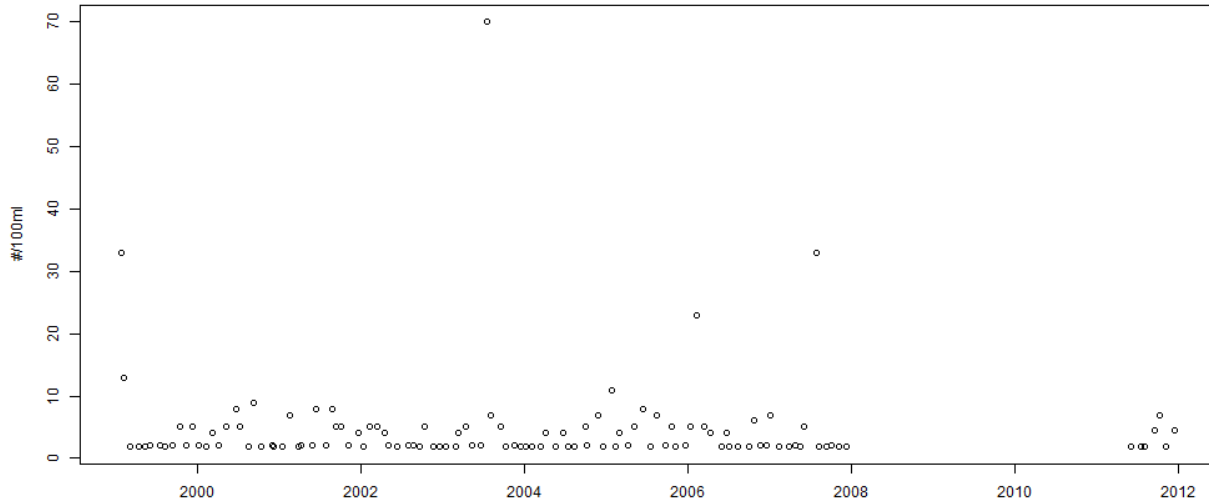
### 20-07



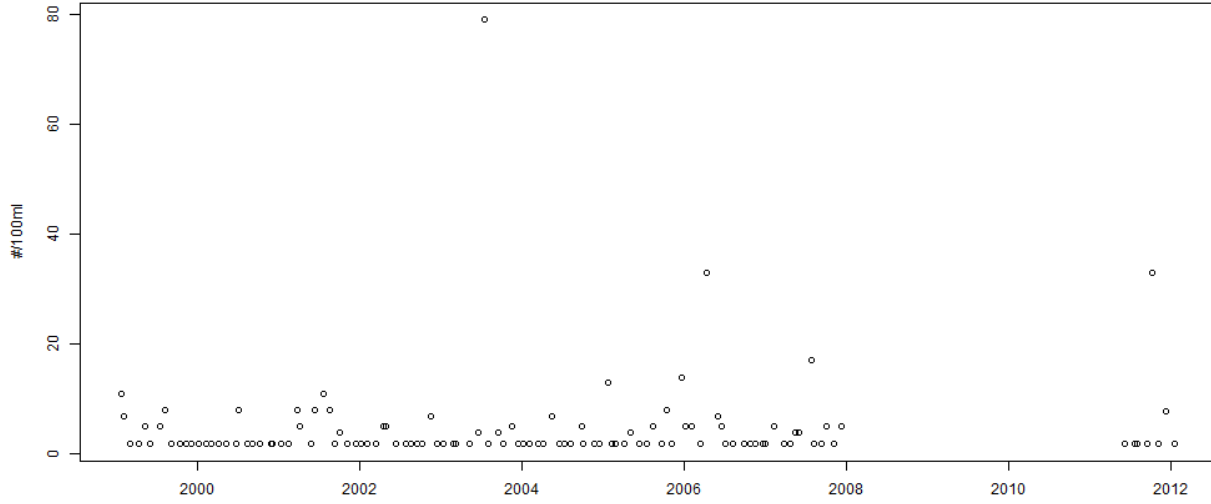
### 20-10



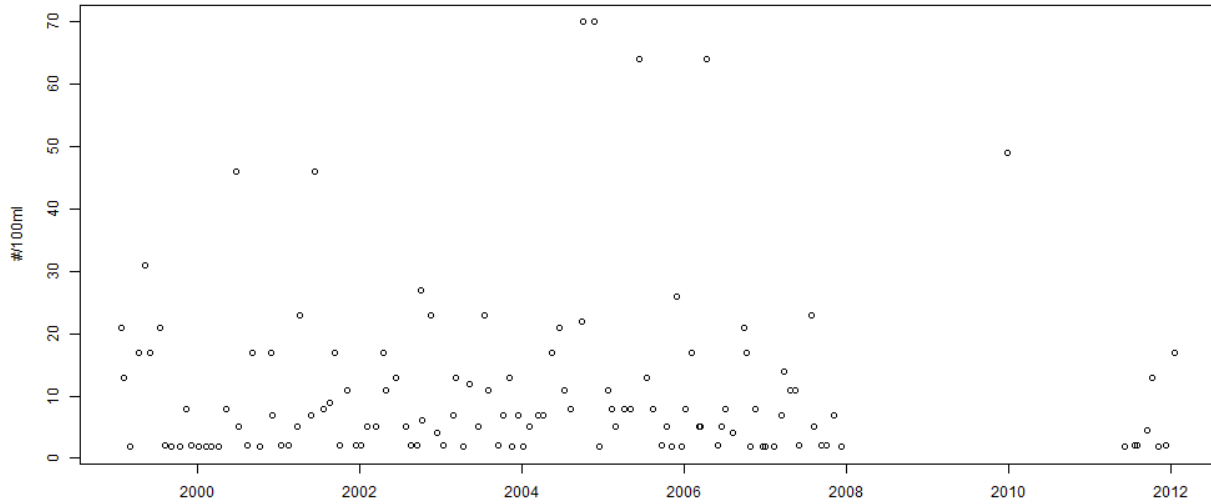
### 20-11



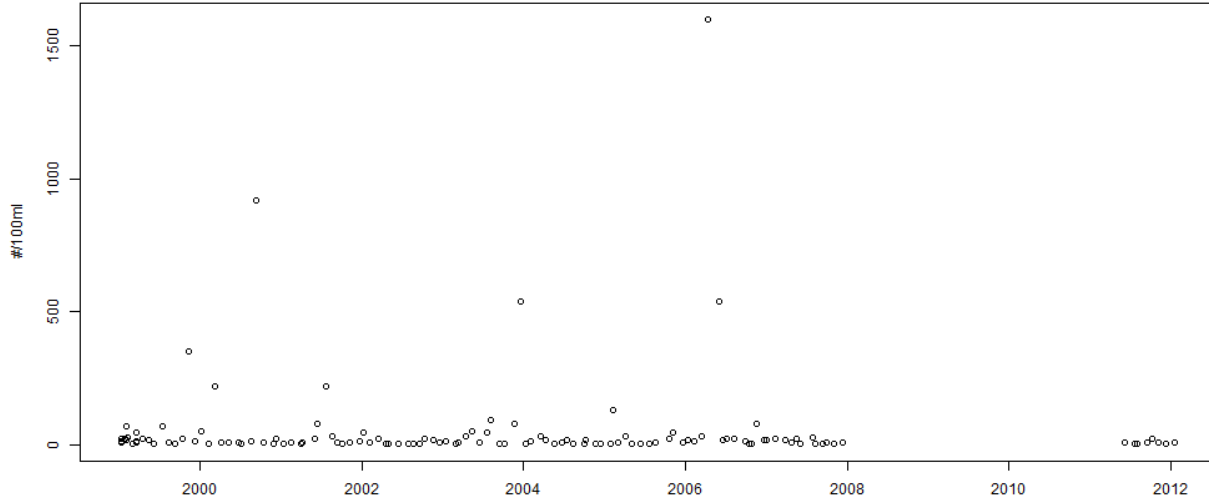
### 20-12



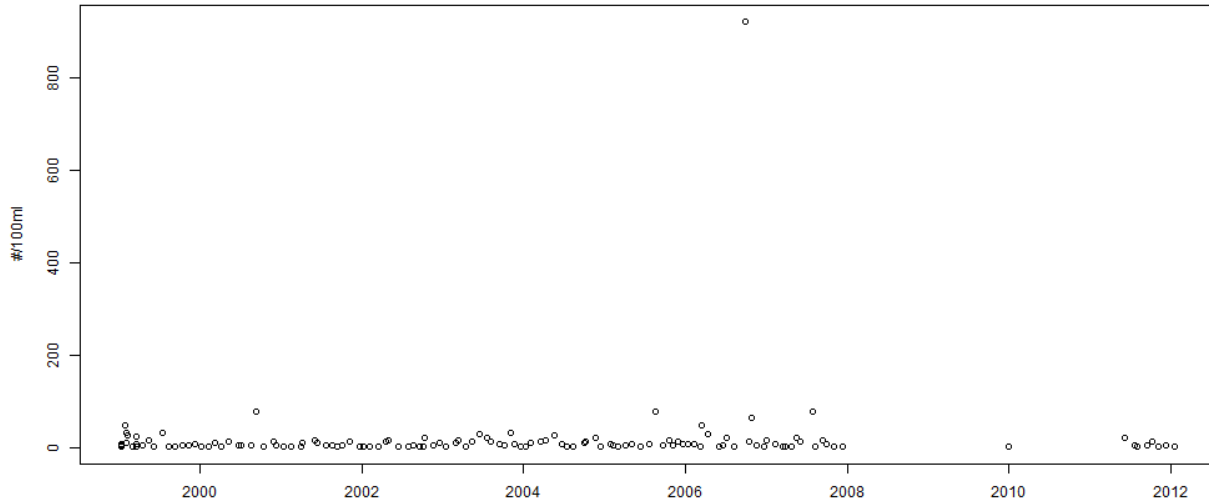
### 20-15A



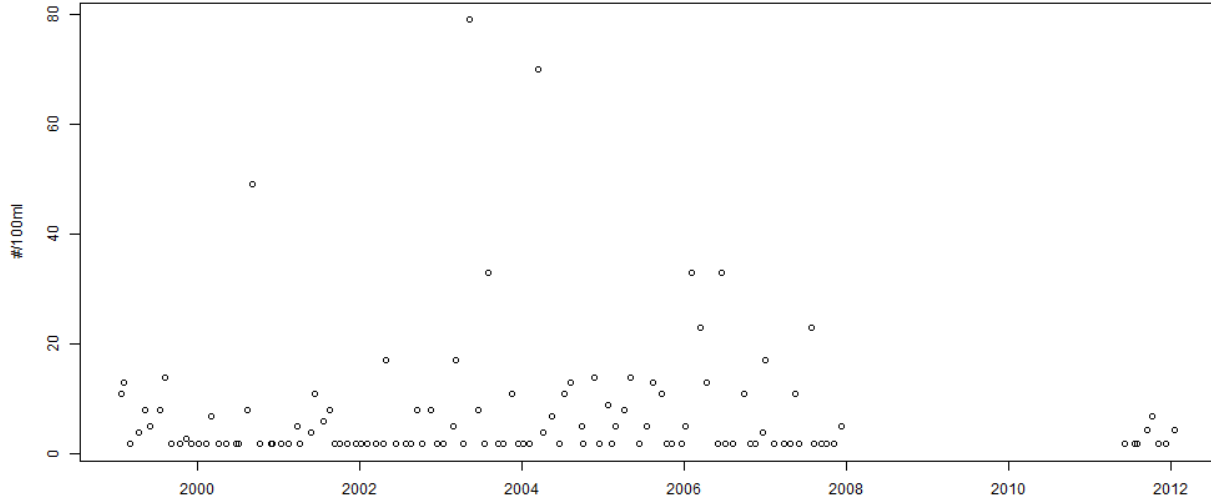
### 20-16



### 20-18



### 20-22



### 20-23

