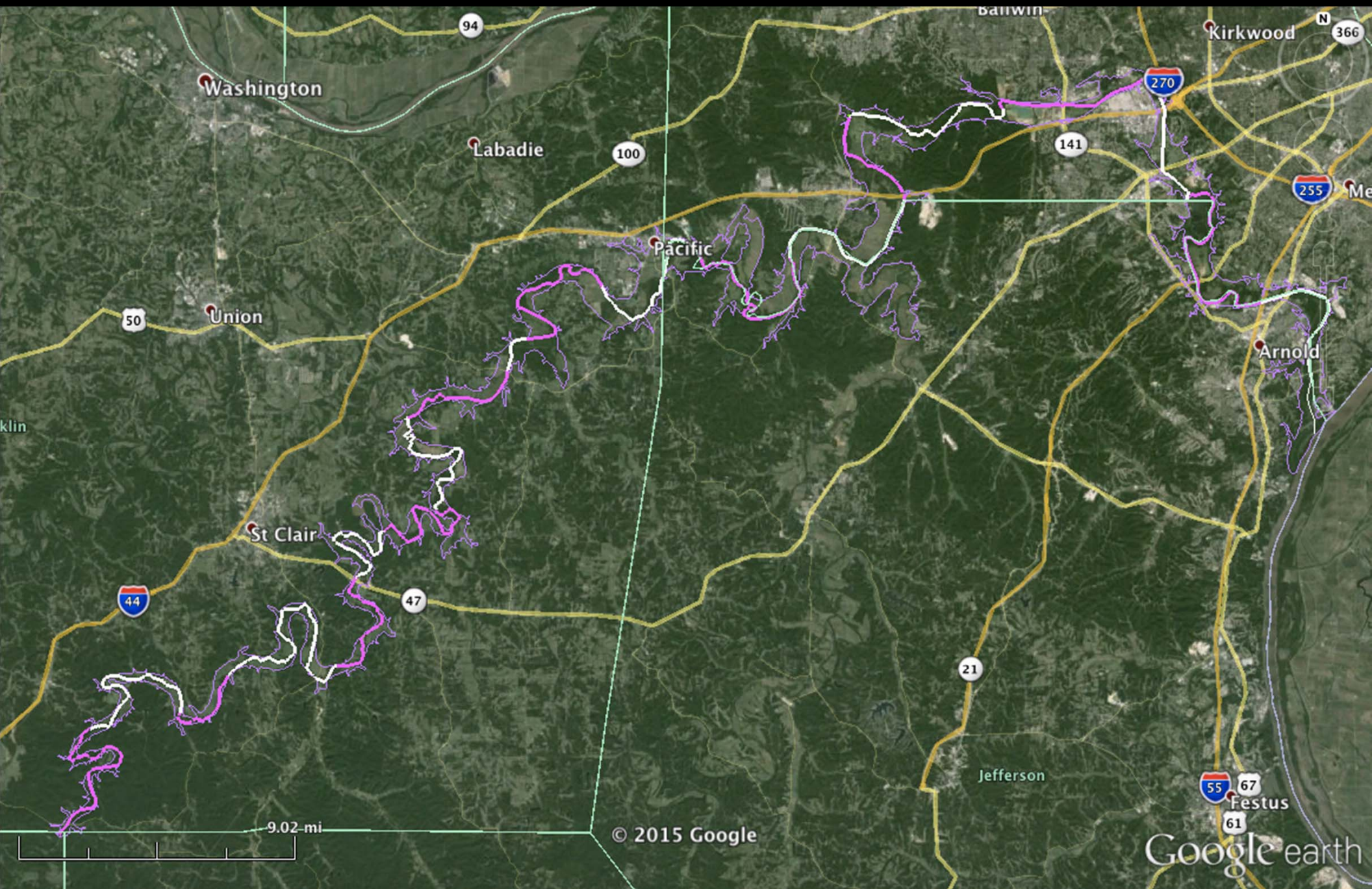


The background image shows a wide, calm river under an overcast sky. In the distance, a multi-span bridge crosses the river. The banks are lined with dense green trees. In the foreground, a circular, dark-colored floating device with several small buoys or floats around its perimeter is visible on the water's surface.

LOWER MERAMEC RIVER RESTORATION PLAN

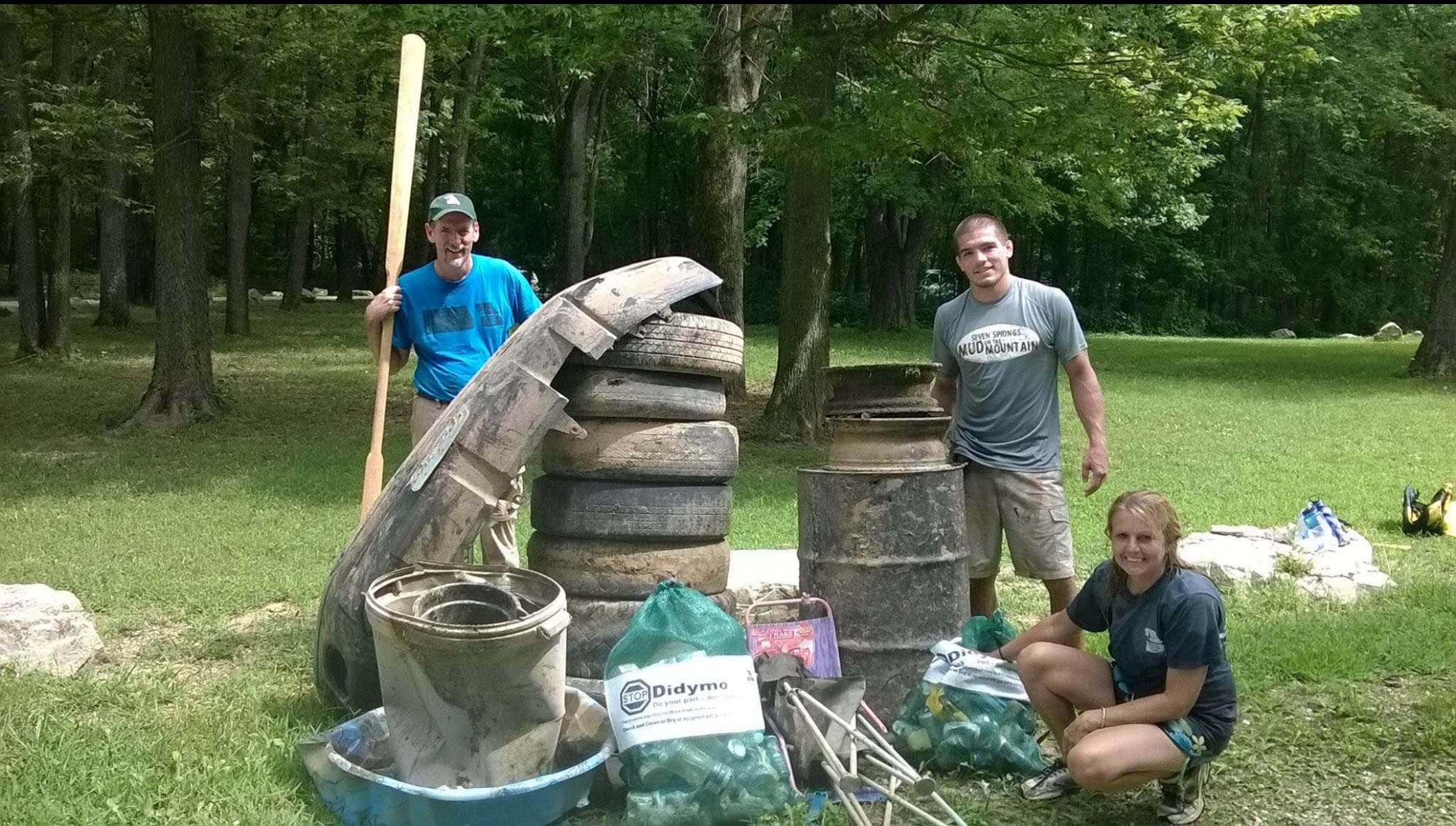
THE OPEN SPACE COUNCIL OF THE ST. LOUIS REGION
February 26, 2016

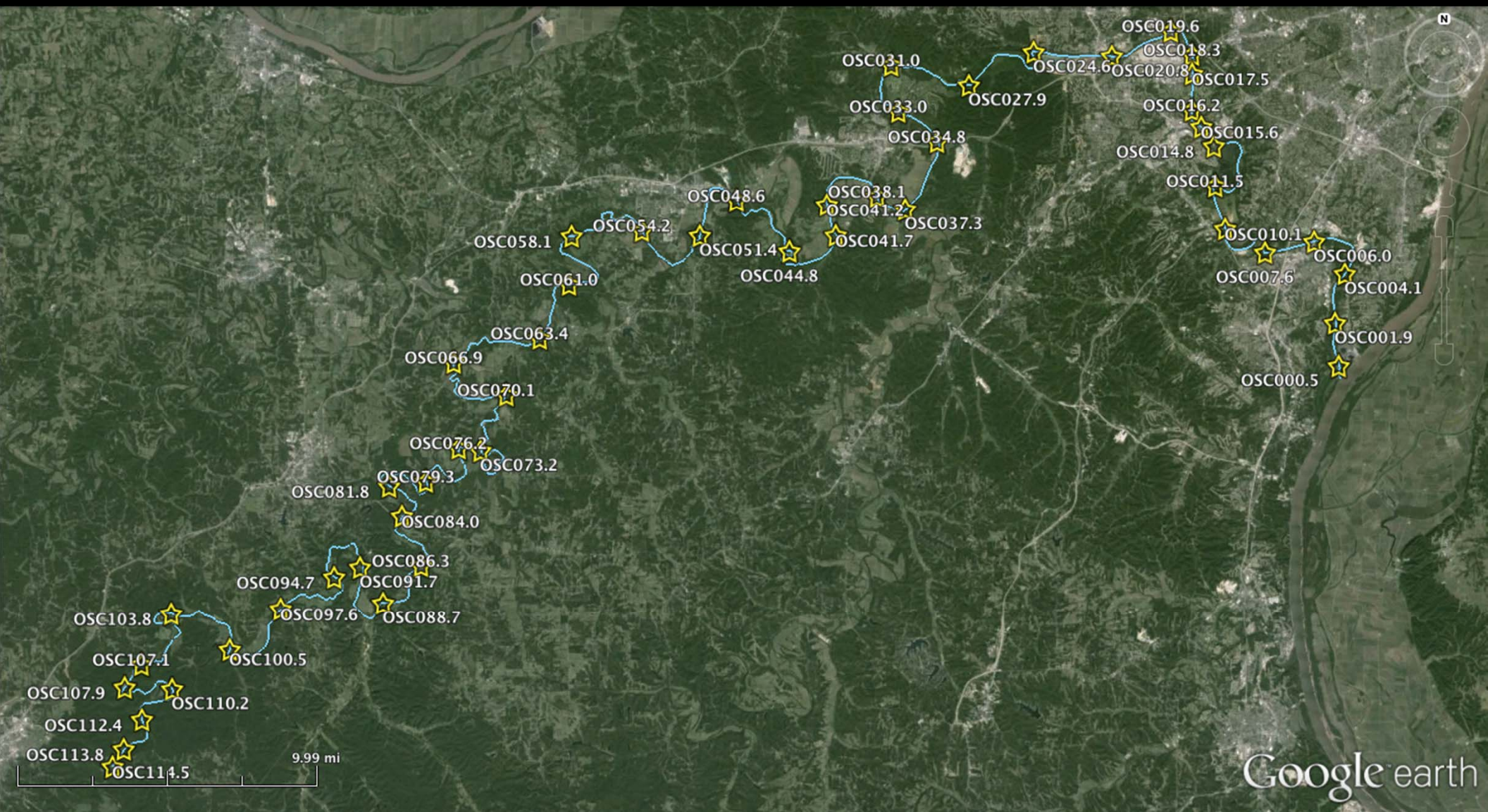




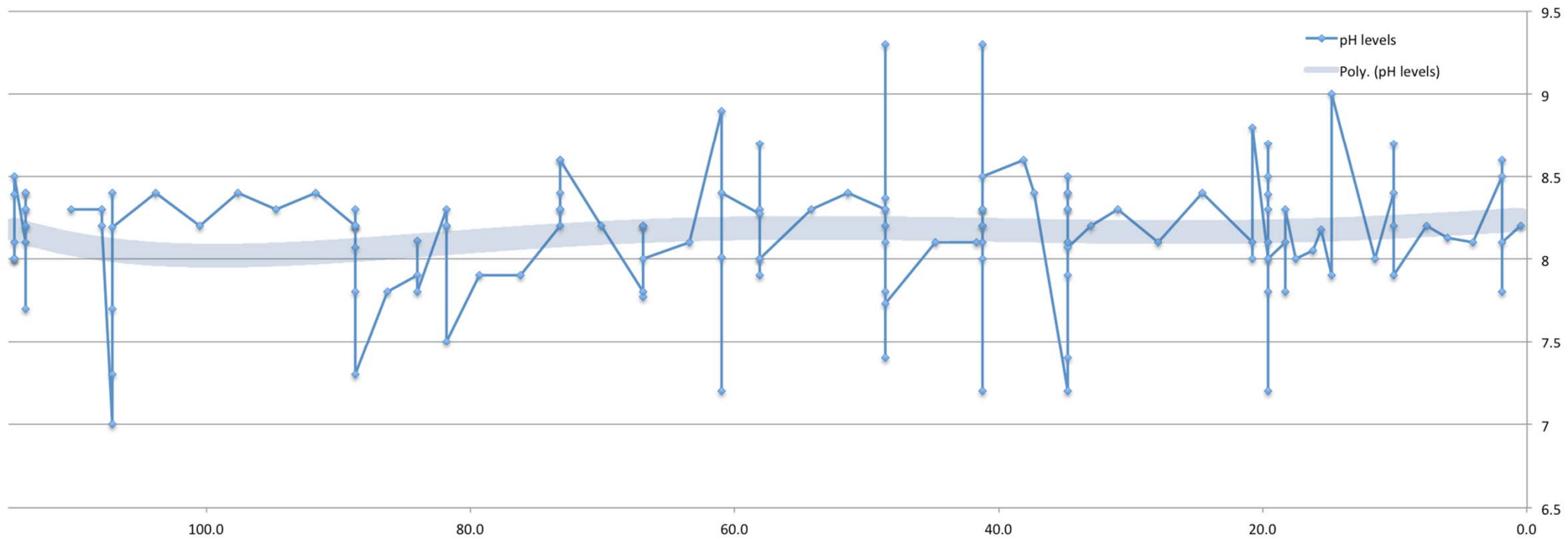






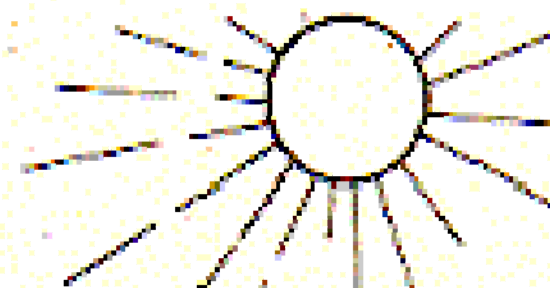


pH levels



Dissolved oxygen variation in streams

Plants and algae



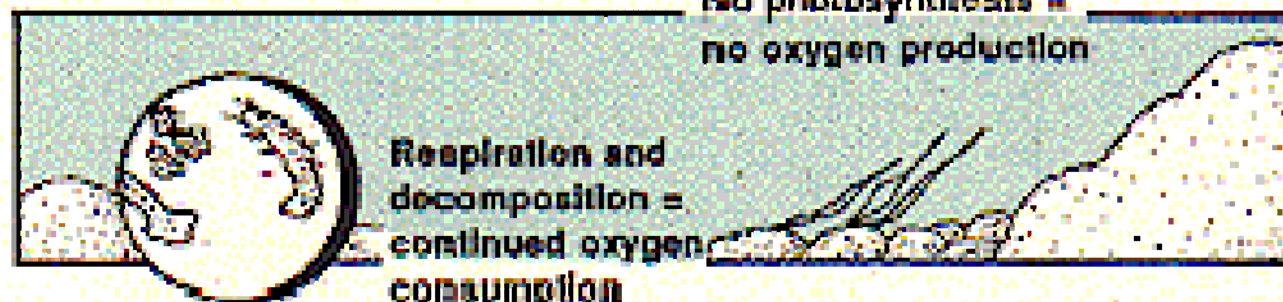
Day



Insects and microorganisms

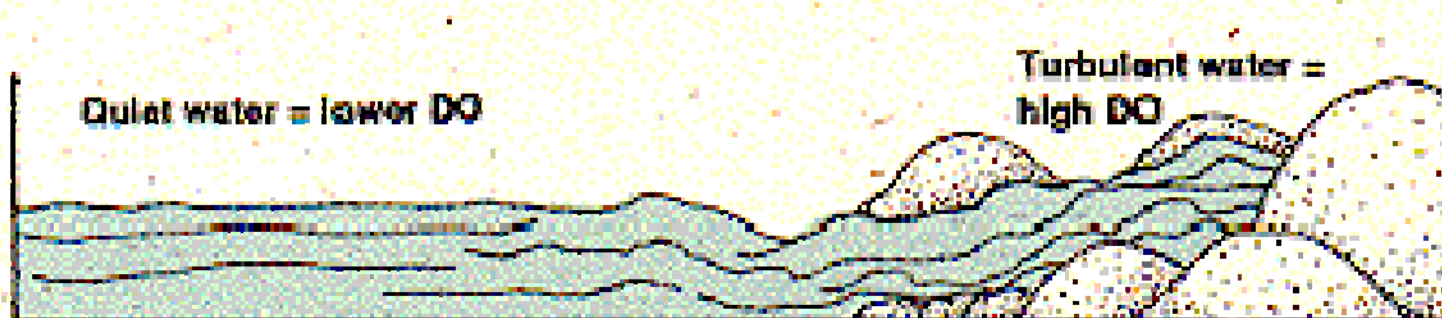
No photosynthesis = no oxygen production

Night

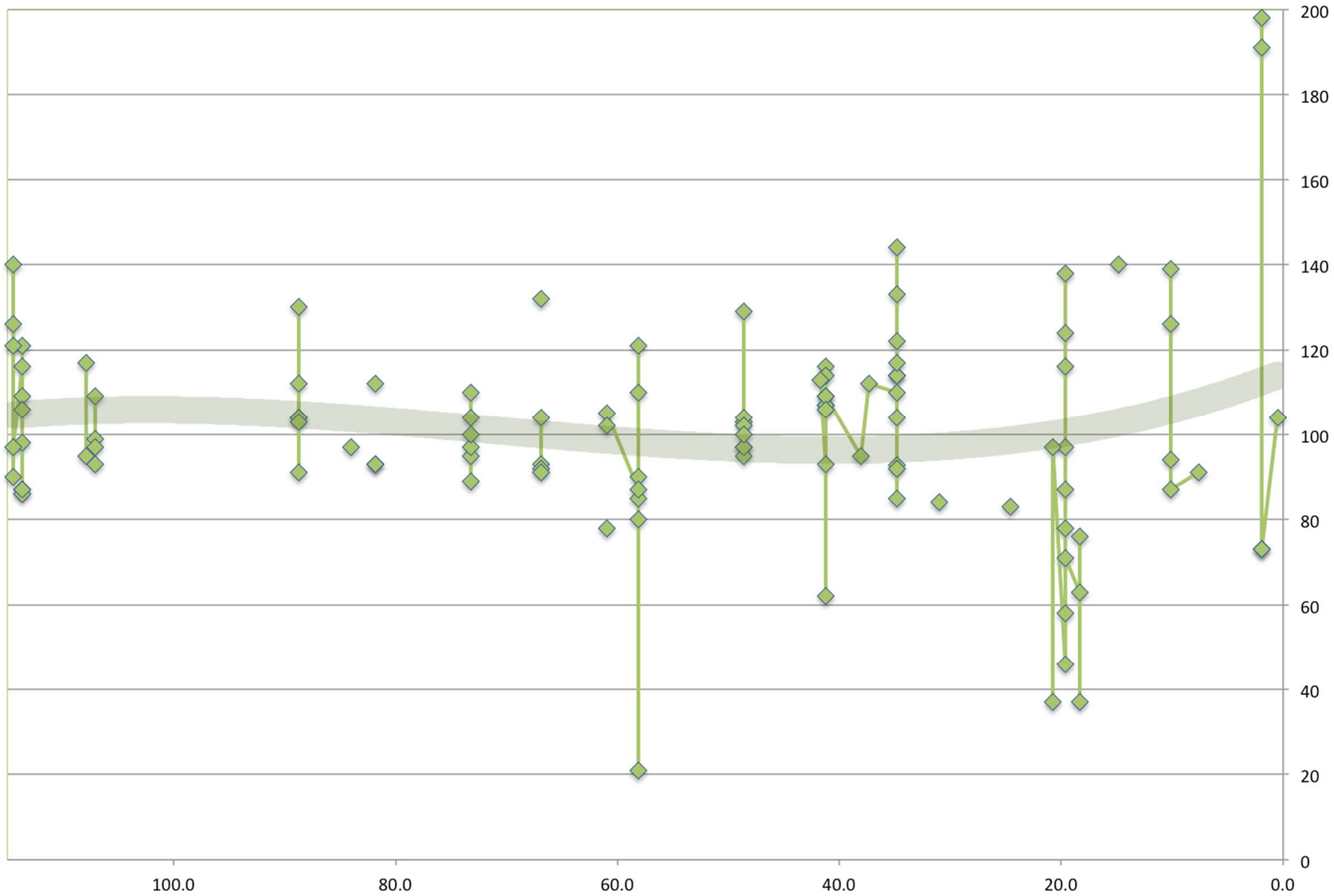


Quiet water = lower DO

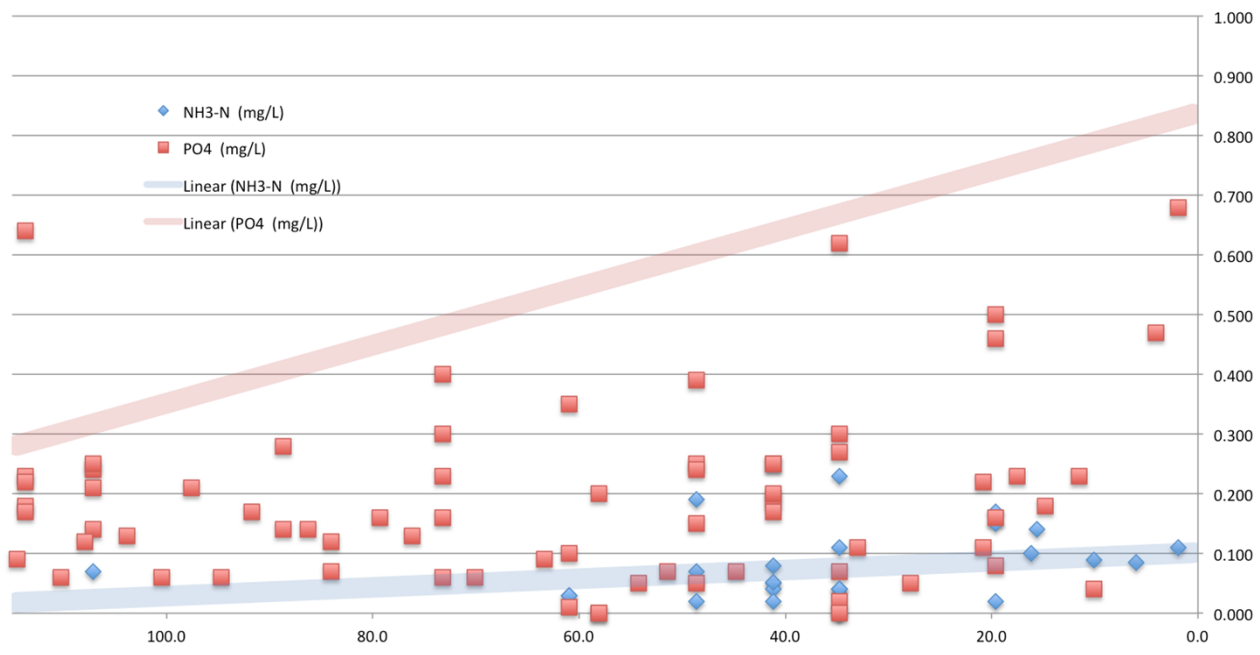
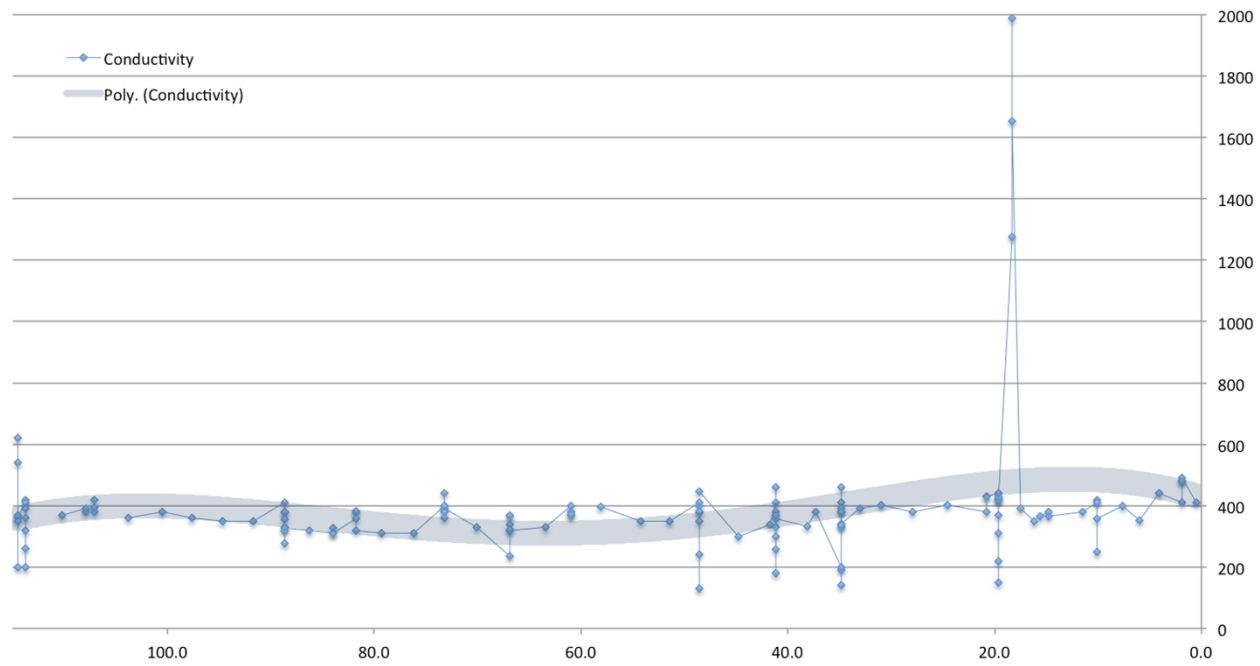
Turbulent water = high DO



Dissolved Oxygen %



Conductivity







50 Lower Meramec River Sites

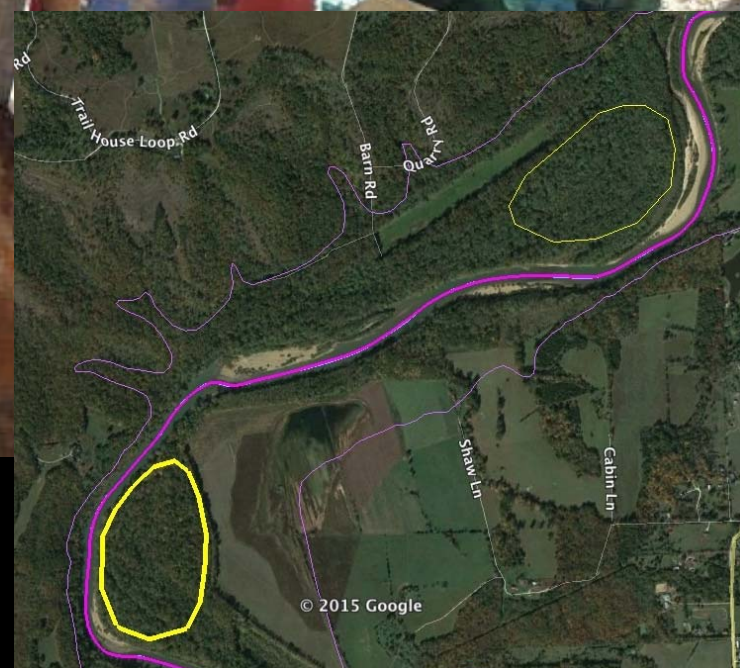
No.	Dist from Confluence	Location	Section Leader in area	WQM Site No.	Recon Y or N	Stream or Land-based	Land Owner Contact	Trash too difficult to remove?	WQ M Train ing	Floodplai n familiarity	% Shade	Altered Channel	Extreme Scour	Water level tracked yr round	Water level tracked in Aug	Ideal Water Level?	% Chann elized	Evidenc e of past dredging	Livestk Access	ATV use?	Utility Lines present	Use of Mappin g tools	Fishkills or other events	Desires OSC contact	Would like add'l help w/ section?
1	0.5	Dickerman Ct/Confluence	Brian Waldrop	2183/0.5	Y	B	Y	N	3	Y	0	N	N	Y	Y	8'+	0	N	N	N	Y	Y	N	N	N
2	1.9	Flamm City Access	Brian Waldrop	585	Y	B	Y	N	3	Y	0	N	N	Y	Y	8'+	0	N	N	N	Y	Y	N	N	N
3	4.1	Arnold City Park	Brian Waldrop	3316	Y	B	Y	N	3	Y	0	N	N	Y	Y	8'+	0	N	N	N	Y	Y	N	N	N
4	6.0	Arnold City Park, SE corner	Brian Waldrop	2183/6.3	Y	B	Y	N	3	Y	0	N	N	Y	Y	8'+	0	N	N	N	Y	Y	N	N	N
5	7.6	Lower Meramec SP	Bernie Arnold	2183/7.6	Y	B	Y	Y	2	Y	5	N	Y	Y	Y	Low	10	Y	N	Y	Y	Y	N	N	N
6	10.1	Hwy 21	Bernie Arnold	2183/10.2, 2727	Y	B	Y	Y	2	Y	5	N	Y	Y	Y	Low	10	Y	N	Y	Y	Y	N	N	N
7	11.5	Corisande Hills (private access)	Tim Ganz	3305	Y	B	N	Y	1	Y	5	Y	Y	Y	Y	Low	30	Y	N	Y	N	N	N	Y	N
8	14.8	Geo Winter Park	Tim Ganz	2183/14.8, 3302	Y	B	N	Y	1	Y	5	Y	Y	Y	Y	Low	30	Y	N	Y	N	N	N	Y	N
9	15.6	Below MinnieHaHa Park	Tim Ganz	2183/15.6	Y	B	N	Y	1	Y	5	Y	Y	Y	Y	Low	30	Y	N	Y	N	N	N	Y	N
10	16.2	Above MinnieHaHa Park	Nan Corcoran	2183/16.2	N	B	N	Y	0	Y	N			N	Y	Low			N	N	Y	Y	N	N	N
11	17.5	Fabricator Dr/Below I-44	David Wilson	3298	N	S	N	Y	1	N	10		Y	Y	Y	Low	100	Y	N	N	Y	N	N	N	
12	18.3	Emmenegger CA	Gwyn Wahlmann	1237	N	L	Y	Y	0	Y	-	N	Y	N	N	-	-	N	N	N	Y	Y	N	N	N
13	19.6	Greentree Park	Kat Dockery/Bob Jung	1471	Y	B	N	-	2	Y	-	N	N	Y	Y	-	-	N	N	N	Y	N		N	
14	20.8	Cal Hedrick Access	Mike Brace	1887	N	B	N	Y	0	N	-	N	N	N	N	-	-	0	N	N	N	N	N	N	N
15	24.6	Castlewood SP	Mike Brace	2185/1.9	N	B	N	Y	0	N	-	N	N	N	N	-	-	0	N	N	N	N	N	N	N
16	27.9	West Tyson Park	Tom Walsh	3285	Y	L	N	Y	0	N	-	N	Y	N	N	-	-	N	N	N	N	N	N	N	N
17	31.0	Glencoe	Tom Walsh	2185/8.4	Y	L	N	Y	0	N	-	N	Y	N	N	-	-	N	N	N	N	N	N	N	N
18	33.0	Allen Rd RR bridge	Jerry Castillon	1698	N	B	N	Y	0	Y	25		Y	Y	Y	Low	5	N	N	N	Y	N	N	Y	Y
19	34.8	Rte 66 SP	Jerry Castillon	2185/12.3, 1421	N	B	N	Y	0	Y	25		Y	Y	Y	Low	5	N	N	N	Y	N	N	Y	Y
20	37.3	Below Twin Rivers	Stephen Silver	2185/14.9	N	B	N	Y	2	N	7.5	N	Y	N	N			N		Y	Y	N	N		
21	38.1	Below Hwy 109	Stephen Silver	1841/0.8	N	B	N	Y	2	N	7.5	N	Y	N	N			N		Y	Y	N	N		
22	41.2	Allenton CA	Stephen Silver	1448	N	B	N	Y	2	N	7.5	N	Y	N	N			N		Y	Y	N	N		
23	41.7	Hunters Ford	Greg Rogleman	1841/4.5	N	S	N	Y	0	N	20	N	Y	N	N			0	N	N	Y	Y	N	N	
24	44.8	Sandbar below Glassberg overlk	Greg Rogleman	3259	N	S	N	Y	0	N	20	N	Y	N	N			0	N	N	Y	Y	N	N	
25	48.6	Pacific Palisades CA	Greg Rogleman	1841/10.0, 1149	N	S	N	Y	0	N	20	N	Y	N	N			0	N	N	Y	Y	N	N	
26	51.4	Opeechee Beach Rd	Steve Myers	3252	Y	B	N	Y	0	Y	20	N		N	Y	Low		Y	N	Y	Y	N	N	N	N
27	54.2	Hwy N	Glenn Beffa	3247	N	S	N	Y	1	Y	30	N	Y	Y	Y	1.0	0	N	N	N	Y	N	N		N
28	58.1	Shaw Nature Reserve	Glenn Beffa	679	N	S	N	Y	1	Y	30	N	Y	Y	Y	1.0	0	N	N	N	Y	N	N		N
29	61.0	Robertsville SP	Edgar Wilding	1902	N	B	N	Y	0	N	30	Y	Y	N	N			5	N	N	Y	N	N	N	Y
30	63.4	upstream of Hwy O	Edgar Wilding	3235	N	B	N	Y	0	N	30	Y	Y	N	N			5	N	N	Y	N	N	N	Y
31	66.9	Chouteau Claim CA	Darryl Crites	1447	Y	S	Y	N	0	Y		Y	Y	Y	Y			Y	Y	N	Y	N	N	N	N
32	70.1	Dell Bros. Point	Darryl Crites	3228	Y	S	Y	N	0	Y		Y	Y	Y	Y			Y	Y	N	Y	N	N	N	N
33	73.2	River Round CA	Joe Brinkmann	1893	N	B	N	N	0	N	30	N	Y	N	N			0	N	Y	Y	Y	N	N	N
34	76.2	Old Cove Rd.	Joe Brinkmann	3062	N	B	N	N	0	N	30	N	Y	N	N			0	N	Y	Y	Y	N	N	N
35	79.3	Above A-H (private access)	Darryl Crites	3058			Y	N	0	Y		Y	Y	Y	Y			Y	Y	N	Y	N	N	N	N
36	81.8	RiverBend Rd	Darryl Crites	1523			Y	N	0	Y		Y	Y	Y	Y			Y	Y	N	Y	N	N	N	N
37	84.0	Hwy 30	Mark Goforth	3117, 3052			N		0			N						N	Y			N			
38	86.3	Above Rye Creek	Mark Goforth	3048			N		0			N						N	Y			N			
39	88.7	Redhorse CA	Mark Goforth	2			N		0			N						N	Y			N			
40	91.7	Below Hwy K	Ken Thomas	3042	N	B	Y	N	2	Y	10	N		N	Y			N	Y	Y	Y	Y	N	Y	N
41	94.7	below Belew Rd	Ken Thomas	3039	N	B	Y	N	2	Y	10	N		N	Y			N	Y	Y	Y	Y	N	Y	N
42	97.6	Plum Ford (private)	Mike Bure	3035	Y	B	N	Y	1			Y		N	Y				Y	Y	Y	N	N	N	N
43	100.5	Pickle Forde (private)	Mike Bure	3032	Y	B	N	Y	1			Y		N	Y				Y	Y	Y	N	N	N	N
44	103.8	Armstrong farm	Mike Bure	3028	Y	B	N	Y	1			Y		N	Y				Y	Y	Y	N	N	N	N
45	107.1	Sand Ford CA	Jay Doty	944	Y	S	N	N	1	N	15	N	N	N	N			0	N	N	Y	Y	N	Y	N
46	107.9	Meramec Caverns Access	Jay Doty	2571	Y	S	N	N	1	N	15	N	N	N	N			0	N	N	Y	Y	N	Y	N
47	110.2	Miramigoua Park (private access)	Jay Doty	3015	Y	S	N	N	1	N	15	N	N	N	N			0	N	N	Y	Y	N	Y	N
48	112.4	Meramec SP1	Donnie Greenwalt	832	N	L	N	N	1																
49	113.7	Meramec SP2	Donnie Greenwalt	2570	N	L	N	N	1																
50	114.5	Meramec SP3	Mark Wehking	24	N	S	N	N	0	N	10	Y	Y	N	N			0	N	Y	N	N	N	N	N
YES					21	12 - S		13	28		23		13	28	19	26		11	15	19	37	13		10	4
NO					24	5 - L		37	18		19		32	10	26	19		33	30	26	8	35	44	26	33
Blank					5	28 - B		0	4		8		5	12	5	5		6	5	5	5	2	6	14	13

50 Lower Meramec River Sites

No.	Dist from Confluence	Location	Section Leader in area	Trash too difficult to remove?	WQM Training	Floodplain familiarity	% Shade
4	6.0	Arnold City Park, SE corner	Brian Waldrop	N			0
5	7.6	Lower Meramec SP	Bernie Arnold	Y		vehicle	5
6	10.1	Hwy 21	Bernie Arnold	Y			5
7	11.5	Corisande Hills (private access)	Tim Ganz	Y		Tires below Ridgewood MS	5
8	14.8	Geo Winter Park	Tim Ganz	Y			5
9	15.6	Below MinnieHaHa Park	Tim Ganz	Y		1 Y	5
10	16.2	Above MinnieHaHa Park	Nan Corcoran	Y		buried stuff	
11	17.5	Fabricator Dr/Below I-44	David Wilson	Y			10
12	18.3	Emmenegger CA	Gwyn Wahlmann	Y		Water Tank up the creek	-
13	19.6	Greentree Park	Kat Dockery/Bob Jung	-			
14	20.8	Cal Hedrick Access	Mike Brace	Y		Tires & metal too big for a canoe	
15	24.6	Castlewood SP	Mike Brace	Y			
16	27.9	West Tyson Park	Tom Walsh	Y		Old barge	
17	31.0	Glencoe	Tom Walsh	Y			
18	33.0	Allen Rd RR bridge	Jerry Castillon	Y		a few half buried cars	25
19	34.8	Rte 66 SP	Jerry Castillon	Y			25
20	37.3	Below Twin Rivers	Stephen Silver	Y		Washing machine, Embedded metal	7.5
21	38.1	Below Hwy 109	Stephen Silver	Y			7.5
22	41.2	Allenton CA	Stephen Silver	Y			7.5
23	41.7	Hunters Ford	Greg Ringleman	Y		Cars & Appliances in bank	20
24	44.8	Sandbar below Glassberg overlk	Greg Ringleman	Y			20
25	48.6	Pacific Palisades CA	Greg Ringleman	Y		large axle in middle of River upstream of Hwy F bridge	
26	51.4	Opeechee Beach Rd	Steve Myers	Y			
27	54.2	Hwy N	Glenn Beffa	Y			
28	58.1	Shaw Nature Reserve	Glenn Beffa	Y		River Shacks below SP	0
29	61.0	Robertsville SP	Edgar Wilding	Y		with large metal items	0

50 Lower Meramec River Sites

No.	Dist from Confluence	Location	Section Leader in area	Trash too difficult to remove?	WQM Traini ng	Floodplain familiarity	% Shade
30	63.4	upstream of Hwy O	Edgar Wilding	Y			30
31	66.9	Chouteau Claim CA	Darryl Crites	N		Large Tires & Propane tank	
32	70.1	Dell Bros. Point	Darryl Crites	N			
33	73.2	River Round CA	Joe Brinkmann	N	0	N	30
34	76.2	Old Cove Rd.	Joe Brinkmann	N	0	N	30
35	79.3	Above A-H (private access)	Darryl Crites	N	0	Y	
36	81.8	RiverBend Rd	Darryl Crites	N	0	Y	
37	84.0	Hwy 30	Mark Goforth		0		
38	86.3	Above Rye Creek	Mark Goforth		0		
39	88.7	Redhorse CA	Mark Goforth		0		
40	91.7	Below Hwy K	Ken Thomas	N	2	Y	10
41	94.7	below Belew Rd	Ken Thomas	N	2	Y	10
42	97.6	Plum Ford (private)	Mike Bure	Y		Refrigerator of gravel	
43	100.5	Pickle Forde (private)	Mike Bure	Y			
44	103.8	Armstrong farm	Mike Bure	Y	1		
45	107.1	Sand Ford CA	Jay Doty	N	1	N	15
46	107.9	Meramec Caverns Access	Jay Doty	N	1	N	15
47	110.2	Miramiguoia Park (private access)	Jay Doty	N	1	N	15
48	112.4	Meramec SP1	Donnie Greenwalt	N	1		
49	113.7	Meramec SP2	Donnie Greenwalt	N	1		
50	114.5	Meramec SP3	Mark Wehking	N	0	N	10
			YES	28		23	
			NO	18		19	
			Blank	4		8	







2015 Distribution along the Lower Meramec

