

Lodi Citizen's Monitoring - Lodi, California

Jan 2011

site 1 16 8.5
 site 2 12 7.9
 site 5
 site 7 15.1 7.5
 site 7A
 site 8 16.1 7.8
 site 9
 site 9A 19
 site 9A

Air temperatures for averaging

Weather: Cloudy/light breeze
 Avg. Temp: 15.6C/60.2F
 Last rain: 1/13/2011
 Season total: 11.13 inches

VISUAL OBSERVATIONS

DATE	SITE	ODOR	ALGAE	FOAM	TURBID	FLOW	OIL	LITTER	COLOR
14-Jan-11	site 1	None	None	None	Clear	High	None	None	None
	site 2	None	None	None	Clear	None	None	None	None
	site 5								
	site 7	None	None	None	Cloudy	Low	None	led 8-10 pcs	None
	site 7A								
	site 8	None	None	None	Clear	None	None	light <5pc	None
	site 9								
	site 9A	None	None	separated bubbles	cloudy	medium	None	None	olive brown
	site 9A								

River Water Level: River high. Camanche releases- 1197 cfs. / Pardee 1520 cfs.

15.6 C	7.9 C
60.2 F	46.3 F

Monitors: Sites # 1 Vacrezza Private Property- Lodi High- (Turner)- M. O'Mahony, R. Mattheis, R. Williamson
 D. Jackson, CJ Porter, M. Wiegant
 Site # 2- Casa de Lodi- Gritsch Private Property- Lodi High students
 Site # 5- 1050 N Lincoln
 Sites # 7- Lodi Lake Park- Near Gazebo- Lodi High students
 Site # 7A- East end (S/o SD) Lake
 Site # 8- West side Lodi Lake, near outfall- Lodi High students
 Site # 9- Above WID Bridge and Dam-
 Site # 9A- From Bridge/Streamside- Below dam- Jim Elliot Christian High- (Bray)- Casee, Ashton and Katie

Temperature	Saturation percentages of Dissolved Oxygen ppm or mg/L				
	100%	85%	75%	65%	55%
0 °C	14.6	12.4	11.0	9.5	8.0
1 °C	14.2	12.1	10.7	9.2	7.8
2 °C	13.9	11.8	10.4	9.0	7.6
3 °C	13.5	11.5	10.1	8.8	7.4
4 °C	13.2	11.2	9.9	8.6	7.3
5 °C	12.8	10.9	9.6	8.3	7.0
6 °C	12.5	10.6	9.4	8.1	6.9
7 °C	12.2	10.4	9.2	7.9	6.7
8 °C	11.9	10.1	8.9	7.7	6.5
9 °C	11.6	9.9	8.7	7.5	6.4
10 °C	11.3	9.6	8.5	7.3	6.2
11 °C	11.1	9.4	8.3	7.2	6.1
12 °C	10.8	9.2	8.1	7.0	5.9
13 °C	10.6	9.0	8.0	6.9	5.8
14 °C	10.4	8.8	7.8	6.8	5.7
15 °C	10.2	8.7	7.7	6.6	5.6
16 °C	9.9	8.4	7.4	6.4	5.4
17 °C	9.7	8.2	7.3	6.3	5.3
18 °C	9.5	8.1	7.1	6.2	5.2
19 °C	9.3	7.9	7.0	6.0	5.1
20 °C	9.2	7.8	6.9	6.0	5.1
21 °C	9.0	7.7	6.8	5.9	5.0
22 °C	8.8	7.5	6.6	5.7	4.8
23 °C	8.7	7.4	6.5	5.7	4.8
24 °C	8.5	7.2	6.4	5.5	4.7
25 °C	8.4	7.1	6.3	5.5	4.6
26 °C	8.2	7.0	6.2	5.3	4.5
27 °C	8.1	6.9	6.1	5.3	4.5

Test Site	Date	Time	pH	Water Temperature	Dissolved Oxygen mg/L	Turbidity NTU	EC Conduct. uS	Nitrate, as mg/L Nitrogen	Remarks
Site #1 River before City Storm System Inlets	1/14/11	15:30	7.4 A	10.9 C	51.6 F	9.7 A	2.9 ntu A	50 A	0
Site #2 River near Casa de Lodi	1/14/11	16:10	7.6 A	10.8 C	51.4 F	9.8 A	2.8 ntu A	40 A	0
Site #5 River at 1050 N Lincoln					32.0 F				
Site #7 River, near Gazebo N/O Lodi Lake	1/14/11	16:03	8.5 B	10.1 C	50.2 F	9.6 A	2.5 ntu A	50 A	0
Site #7A East end (S/o SD) Lodi Lake					32.0 F				
Site #8 Lodi Lake Near Storm Drain	1/14/11	15:25	8.6 C	10.4 C	50.7 F	10.47 A	3.4 ntu A	50 A	0
Site #9 River- Upstream of dam					32.0 F				
Site #9A River below WID Dam, streamside	1/14/11	14:05	8.5 B	15.4 C	59.7 F	NA CHEMET 9	6.3 ntu B	40 A	ND DO meter not working

DATE:

28-Jan-11

Weather: Calm/light breeze/overcast/cloudy
 Avg. Temperature: 7.9 C/ 46.3 F
 Last rain: 1/14/2011
 Season total: 11.14 inches

VISUAL OBSERVATIONS

DATE	SITE	ODOR	ALGAE	FOAM	TURBID	FLOW	OIL	LITTER	COLOR
28-Jan-11	site 1	None	None	None	None	Low	None	None	None
	site 2	None	med 5-25%	None	None	Low	light sheen	<5 pcs.	green
	site 5								
	site 7	None	None	None	Clear	Low	None	None	None
	site 7A								
	site 8	None	None	None	Clear	Low	None	None	None
	site 9								
	site 9A								
	site 9A								

River Water Level:

Monitors: Sites # 1 Vacrezza Private Property- Tokay High Team- (Lodi Acad. Backup box)-(Ms. Starr)- E. Munoz, K. Morales, A. Price, A. Salcedo, B. Garcia
 K. Moules, N. Mall, Charlie Starr
 Site # 2- Casa de Lodi- Lodi Academy- Caren Hall- Zack, Jennyfer, Adeana
 Site # 5- 1050 N Lincoln
 Sites # 7- Lodi Lake Park- Near Gazebo- Tokay High School-(box #2)- E. Chang, D. Hundel, C. Alexander, A. Gordon, J. Trejo
 Site # 7A- East end (S/o SD) Lake
 Site # 8- West side Lodi Lake, near outfall- Tokay High Team- (box 2)- A. Seefeldt, K. Arcalas, T. Thienpohong, J. Hu, A. Mitre, E. Chang, P. Amigable, D. Hundal, A. Mariana, S. Yund.
 Site # 9- Above WID dam-
 Site # 9A- From Bridge-

Test Site	Date	Time	pH	Water Temperature	Dissolved Oxygen mg/L	Turbidity NTU	EC Conduct. uS	Nitrate, as mg/L Nitrogen	Remarks
Site #1 River before City Storm System Inlets	01/28/11	15:42	8.0 A	9.2 C	48.6 F	10.5 A	1.8 ntu A	50 A	0
Site #2 River near Casa de Lodi	01/28/11	unknown	8.7 C	9.3 C	48.7 F	11.8 A	4.7 ntu A	40 A	0 leaf litter
Site #5 River at 1050 N Lincoln					32.0 F				
Site #7 River, near Gazebo N/O Lodi Lake	01/28/11	16:10	7.0 A	9.3 C	48.7 F	11.0 A	1.9 ntu A	40 A	0
Site #7A East end (S/o SD) Lodi Lake					32.0 F				
Site #8 Lodi Lake Near Storm Drain	01/28/11	15:37	7 A	10.0 C	50.0 F	11.1 A	5.2 ntu B	70 A	0
Site #9 River- Upstream of dam					32.0 F				
Site #9A River below WID Dam, streamside					32.0 F				
GRADE:									
A		7.0 - 8.0		Weather	> 85% Saturation	< 5	< 200	< 1	
B		6.5-6.9, 8.1-8.5		and	75-84% Sat.	5 - 20	201-450	2 - 3	
C		6.0-6.4, 8.6-9.0		condition	65-74% Sat.	21 - 50	451-750	4 - 5	
D		5.5-5.9, 9.1-9.5		dependent	55-64% Sat.	50 - 150	751-1500	6 - 10	
F		<5.5, >9.5			< 55% Sat., < 0.0mg/L	> 150	> 1500	> 10	