

Lodi Citizen's Monitoring - Lodi, California

November 2010

5-Nov	19-Nov	Air temperatures for averaging
site 1	24.8	11.7
site 2	22.9	11.4
site 5		
site 7	25	12.7

Weather: Overcast, cloudy, light breeze. (Avg. temp -24.2C/75.6F) Last rain: 11/2/2010 Season total: 1.66

VISUAL OBSERVATIONS

DATE	SITE	ODOR	ALGAE	FOAM	TURBID.	FLOW	OIL	LITTER	COLOR
5-Nov-10	site 1	None	None	None	Clear	High	None	None	None
	site 2	None	None	None	Clear	Medium	None	None	None
	site 5								
	site 7	None	Light <5%	None	Clear	Low	None	None	None
	site 7A								
	site 8	None	Light <5%	None	Clear	Low	None	None	None
	site 9								
	site 9A								
	site 9A								

24.2 C	12.3 C
75.6 F	54.1 F

River Water Level: River very high. Woodbridge WID Dam still impounded. EBMUD releasing high flows from Camanche and Pardee Dams.

Monitors: Sites # 1 Vacrezza Private Property- Lodi High- (Turner)- E. Greene, A. Howe, P. Carlson, R. Williamson

Site # 2- Casa de Lodi- Lodi High

Site # 5- 1050 N Lincoln

Sites # 7- Lodi Lake Park- Near Gazebo

Site # 7-A- East end (S/o SD) Lake- Tokay High- (Barry Marson)- K. Arcalos, B. Garcia, L. Alaejo, J. Wu, P. Semary, D. Y., E.M., A. G.

Site # 8- West side Lodi Lake, near outfall- Tokay High

Site # 9- Above WID Bridge and Dam

Site # 9-A- From Bridge/Streamside- Below dam

New Cond. meter

Test Site	Date	Time	pH	Water Temperature	Dissolved Oxygen mg/L	Turbidity NTU	(TDS) Conduct. uS	Nitrate, as mg/L Nitrogen	Remarks
Site #1 River before City Storm System inlets	11/5/10	15:43	6.7 B	16.1 C A	61.0 F	9.1 A	3.9 ntu A	N/A A	EBMUD releases avg. 600 cfs.
Site # 2 River near Casa de Lodi	11/5/10	16:09	6.7 B	16.1 C A	61.0 F	8.8 A	3.0 ntu A	N/A A	
Site # 5 River at 1050 N Lincoln									
Site # 7 River, near Gazebo N/O Lodi Lake	11/5/10	15:34	7.8 A	17.1 C A	62.8 F	9.3 A	2.0 ntu A	40 A	Full leaves on lake. Very peaceful.
Site # 7A East end (S/o SD) Lodi Lake									
Site # 8 Lodi Lake Near Storm Drain	11/6/10	16:00	7.8 A	18.2 C A	64.8 F	8.4 A	3.2 ntu A	60 A	
Site # 9 River- Upstream of dam									
Site # 9A River below WID Dam, streamside									

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
	100%	85%	75%	65%	55%
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

Weather: Light breeze, drizzle, overcast. (Avg. temp- 12.3C/54.1F) Last rain: 11/15/2010 Season total: 2.04"

VISUAL OBSERVATIONS

DATE	SITE	ODOR	ALGAE	FOAM	TURBID.	FLOW	OIL	LITTER	COLOR
19-Nov-10	site 1	Feces	None	None	Clear	Low	None	Light <5 pieces	Brown
	site 2	None	None	None	Clear	Low	None	Light <5 pieces	Olive Brown
	site 5								
	site 7	None	None	None	Clear	Low	None	None	Olive Brown
	site 7A								
	site 8	None	None	None	Clear	None	None	None	Olive Brown
	site 9								
	site 9A	None	None	None	Clear	High	None	None	None
	site 9A								

River Water Level: High. River impounded. EMBUD releases still high. Avg. 600 cfs Camanche Dam, 700 cfs Pardee Dam.

Monitors: Sites # 1 Vacrezza Private Property

Site # 2- Casa de Lodi

Site # 5- 1050 N Lincoln

Sites # 7- Lodi Lake Park- Near Gazebo

Site # 7-A- East end (S/o SD) Lake

Site # 8- West side Lodi Lake, near outfall

Site # 9- From WID Bridge- Below dam

Site # 9-A- Streamside- Below dam

Cond. Meter

Test Site	Date	Time	pH	Water Temperature	Dissolved Oxygen mg/L	Turbidity NTU	(TDS) Conduct. uS	Nitrate, as mg/L Nitrogen	Remarks
Site #1 River before City Storm System inlets	11/18/10	15:40	9.5 B	14.9 C A	58.8 F	9.5 A	2.9 ntu A	40 A	Hard to identify smelt. Bottom.
Site # 2 River near Casa de Lodi	11/18/10	16:00	8.4 B	14.8 C A	58.6 F	9.4 A	2.9 ntu A	40 A	
Site # 5 River at 1050 N Lincoln									
Site # 7 River, near Gazebo N/O Lodi Lake	11/18/10	15:36	7.4 A	14.6 C A	58.3 F	9.0 A	3.1 ntu A	40 A	N/A
Site # 7A East end (S/o SD) Lodi Lake									
Site # 8 Lodi Lake Near Storm Drain	11/18/10	15:54	7.1 A	14.9 C A	58.8 F	8.3 A	2.3 ntu A	90 A	water level high, but velocity is low.
Site # 9 River- Upstream of dam									
Site # 9A River below WID Dam, streamside	11/19/10	15:15	7.6 A	14.6 C A	58.3 F	8.6 A	4.1 ntu A	40 A	ND
GRADE:			pH	Temp	D.O.	Turbidity	Cond.	Nitrate.	
A			7.0 - 8.0	Weather and condition dependent	> 85% Saturation	< 5	< 200	< 1	
B			6.5-6.9, 8.1-8.5		75-84% Sat.	5 - 20	201-450	2 - 3	
C			6.0-6.4, 8.6-9.0		65-74% Sat.	21 - 50	451-750	4 - 5	
D			5.5-5.9, 9.1-9.5		55-64% Sat.	50 - 150	751-1500	6 - 10	
F			<5.5, >9.5		< 55% Sat., <5.0mg/L	> 150	>1500	> 10	