

Lodi Citizen's Monitoring - Lodi, California

October 2010

8-Oct 22-Oct
24.7 19.8
24.6 16.1
24.4

Weather: Clear, sunny, light breeze. (Avg. temp- 24.8C/76.7F) Last rain: 5/30/2010 New season: 7-01-10
Season total: 0

VISUAL OBSERVATIONS

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

site 7A	
site 8	16.6
site 9	
site 9A	25.6 20.4
site 9A	

River Water Level: EBMUD releases increase beg. Sept.29- avg. 1,000 cfs per day

24.8 C	18.2 C
76.7 F	64.8 F

Monitors: Sites # 1 Vacrezza Private Property- Lodi High- (Turner)- G. Isola, R. Isola
Site # 2- Casa de Lodi- Lodi High
Site # 5- 1050 N Lincoln
Sites # 7- Lodi Lake Park- Near Gazebo- Jim Elliot CHS
Site # 7-A- East end (S/o SD) Lake
Site # 8- West side Lodi Lake, near outfall- Lodi High
Site # 9- Above WID Bridge and Dam
Site # 9-A- From Bridge/Streamside- Below dam- Jim Elliot CHS- (Bray)- K. Anema, A. Leary, J. Sikken

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

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	10/8/10	15:40	7.5 A	15.3 C A	59.5 F A	9.0 A	4.9 ntu A	50 A	0 A	EBMUD releases increase-
Site # 2 River near Casa de Lodi	10/8/10	16:01	7.6 A	15.5 C A	59.9 F A	8.5 A	38.2 ntu C	50 A	0 A	Camanche- 804 cfs
Site # 5 River at 1050 N Lincoln										
Site # 7 River, near Gazebo N/O Lodi Lake	10/8/10	15:40	7.6 A	16.9 C A	62.4 F A	8.4 A	4.6 ntu A	40 A	ND A	
Site # 7A East end (S/o SD) Lodi Lake										
Site # 8 Lodi Lake Near Storm Drain										
Site # 9 River- Upstream of dam										
Site # 9A River below WID Dam, streamside	10/8/10	15:15	7.3 A	17.4 C A	63.3 F A	9.4 A	9.5 ntu B	40 A	ND A	water 6' over spillway

Weather: Calm, overcast, cloudy. (Avg temp- 18.2C/64.8F) Last rain: Oct. 17, 2010 Season total: 27"

VISUAL OBSERVATIONS

DATE	SITE	ODOR	ALGAE	FOAM	TURBID.	FLOW	OIL	LITTER	COLOR
22-Oct-10	site 1	None	None	None	Clear	High	None	None	None
	site 2	None	None	None	Cloudy	Medium	None	Light-5 pcs	Olive Brown
	site 5								
	site 7								
	site 7A								
	site 8	None	None	None	Clear	Flood	None	Med- 5-10 pcs	None
	site 9								
	site 9A	None	None	None	Clear	High	None	None	None

River Water Level:

Monitors: Sites # 1 Vacrezza Private Property- Lodi High- (Turner)
Site # 2- Casa de Lodi- Lodi Academy- (Hall)- C. Neiman, J. Landaverde
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- Lodi High
Site # 9- From WID Bridge- Below dam
Site # 9-A- Streamside- Below dam- Jim Elliot- (Bray)- A. Leary, A. Colton, R. Martinez, K. Anema

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	11/22/10	15:27	6.7 B	15.4 C A	59.7 F A	8.9 A	7.5 ntu B	50 A	0 A	EBMUD releases high-
Site # 2 River near Casa de Lodi	10/22/10	15:50	7.8 A	15.6 C A	60.1 F A	9.1 A	3.2 ntu A	50 A	0 A	avg. 1500 cfs per day, Camanche
Site # 5 River at 1050 N Lincoln										
Site # 7 River, near Gazebo N/O Lodi Lake										
Site # 7A East end (S/o SD) Lodi Lake										
Site # 8 Lodi Lake Near Storm Drain	10/22/10	16:10	7.2 A	16.4 C A	61.5 F A	8.6 A	2.3 ntu A	60 A	0 A	
Site # 9 River- Upstream of dam										
Site # 9A River below WID Dam, streamside	10/22/10	15:10	7.9 A	17.0 C A	62.6 F A	8.5 A	4.6 ntu A	50 A	ND A	High flow. Over the top.
GRADE:			pH	Temp	D.O.	Turbidity	Cond.	Nitrates		
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., <5.0mg/L	> 150	>1500	> 10		