

**Lodi Citizen's Monitoring - Lodi, California**

Dec 2010

Air temperatures for averaging

Weather: Overcast/cloudy/calm Avg. Temp:(12.3C/54 Last rain: 12/2/2010 Season total: 4.52 inches

**VISUAL OBSERVATIONS**

DATE	SITE	ODOR	ALGAE	FOAM	TURBID.	FLOW	OIL	LITTER	COLOR
3-Dec-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	None	Light <5%	None	Cloudy	low	None	light <5pc	Olive Brown
	site 9								
	site 9A	None	None	None	None	Medium	None	None	None
	site 9A								

site 1	10.8	11.8
site 2	11	10.1
site 5		
site 7	13.3	10.1
site 7A		
site 8		10.9
site 9		
site 9A	14	10.5
site 9A		

River Water Level: River high. Camanche releases- 1994 cfs. / Pardee 1181 cfs.

12.3 C	10.7 C
54.1 F	51.2 F

Monitors: Sites # 1 Vaczrea Private Property- Lodi High- (Turner)- H. Stewart, J. Isola, J. Noori, K. McKlung,

- N. Deckert, B. Deckert, M. Wigant
- Site # 2- Casa de Lodi- Gritsch Private Property- Lodi High students
- Site # 5- 1050 N Lincoln
- Sites # 7- Lodi Lake Park- Near Gazebo- Jim Elliot Christian High- (Bray)- Casee and Katie
- Site # 7-A- 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 students

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 inlet	12/3/10	15:27	7.0 A	11.9 C 53.4 F	10.4 A	8.8 ntu B	50 A	0	
Site # 2 River near Casa de Lodi	12/3/10	16:01	5.5 D	12.1 C A	53.8 F 10.1 A	4.6 ntu B	50 A	0	Weird smell in air
Site # 5 River at 1050 N Lincoln				32.0 F					
Site # 7 River, near Gazebo N/O Lodi Lake	12/3/10	14:30	6.0 C	12.5 C A	54.5 F N/A CHEMET 9	6.0 ntu B	80 A	ND	DO meter not working
Site # 7A East end (S/o SD) Lodi Lake				32.0 F					
Site # 8 Lodi Lake Near Storm Drain	12/3/10	15:50	8.4 B	11.8 C A	53.2 F 95.70% A	5.1 ntu B	50 A	N/A	9 D.O. on chemet
Site # 9 River- Upstream of dam				32.0 F					
Site # 9A River below WID Dam, streamside	12/3/10	14:45	5.0 F	12.1 C A	53.8 F N/A CHEMET 8	6.0 ntu B	40 A	ND	DO meter not working

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

12/17/10

Weather: Weather: Light drizzle, breezy, cloudy. Last rain: 12/15/2010 Season total: 6.47 inches

**VISUAL OBSERVATIONS**

DATE	SITE	ODOR	ALGAE	FOAM	TURBID.	FLOW	OIL	LITTER	COLOR
	site 1	None	None	None	None	High	None	None	None
	site 2	None	None	None	None	Low	None	<5 pcs.	brown
	site 5								
	site 7	None	<5%	None	Cloudy	Medium	None	<5 pieces	olive brown
	site 7A								
	site 8	None	None	None	Clear	Medium	None	None	None
	site 9								
	site 9A	None	None	None	Cloudy	High	None	None	None
	site 9A								

River Water Level:

Monitors: Sites # 1 Vaczrea Private Property- Tokay High Team- (box #3)-(Ms. Starr)- E. Munoz, K. Morales, A. Price, A. Salcedo, B. Gardas

- Site # 2- Casa de Lodi- Lodi Academy- Caren Hall
- 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 # 7-A- East end (S/o SD) Lake
- Site # 8- West side Lodi Lake, near outfall- Tokay High Team- (box 4)- A. Seefeldt, K. Arcalas, T. Thienpothong, J. Hu, A. Mitre.
- Site # 9- Above WID dam-
- Site # 9A- From Bridge- Jim Elliott CHS- Tom Bray

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 inlet	12/17/10	14:18	6.4 B	13.6 C A	56.5 F 9.3 A	6.3 ntu B	50 A	0.98 A	pH meter fluctuating
Site # 2 River near Casa de Lodi	12/17/10	16:01	7.8 A	11.2 C B	52.2 F 8.6 B	2.5 ntu A	40 A	0 A	leaf litter
Site # 5 River at 1050 N Lincoln				32.0 F					
Site # 7 River, near Gazebo N/O Lodi Lake	12/17/10	14:04	7.4 A	12.7 C A	54.9 F 9.6 A	6.3 ntu B	50 A	0.02 A	
Site # 7A East end (S/o SD) Lodi Lake				32.0 F					
Site # 8 Lodi Lake Near Storm Drain	12/17/10	14:25	7.3 A	11.6 C A	52.9 F 9.55 A	3.1 ntu A	80 A	0 A	
Site # 9 River- Upstream of dam				32.0 F					
Site # 9A River below WID Dam, streamside	12/17/10	14:24	8.1 B	11.6 C A	52.9 F 10.5 A	9.4 ntu B	50 A	ND	water high, fast. Over normal water line
GRADE:			pH	Temp	D.O.	Turbidity	Cond.	Nitrates	
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	