

**Lodi Citizen's Monitoring - Lodi, California**  
**September 2010**

10-Sep 24-Sep Air temperatures for averaging  
 site 1 30.7 31.5  
 site 2 26.2 30.2  
 site 2  
 site 7 24.4  
 site 7A 30.2  
 site 8 30  
 site 9  
 site 9A 28.6  
 site 9A 23.8

Weather: Clear, sunny, calm. (Average temp: 26.3C/79.3F) Last rain: 5/30/2010 New Rain Season begins- 7-01-10  
 Season total: 0

**VISUAL OBSERVATIONS**

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

River Water Level: River still high because WID dam impounded the flow.

26.3 C	30.1 C
79.3 F	86.2 F

Monitors: Sites # 1 Vacrezza Private Property- Lodi High- (Ms.Turner)- M. O'Mahony, A. Olson, J. Reddis, M. Collins  
 Site # 2- Casa de Lodi- Lodi High  
 Site # 5- 1050 N Lincoln  
 Sites # 7- Lodi Lake Park- Near Gazebo- Jim Elliott CHS- (Bray)- J. Raybe, R. Felton, B. Hayn, H. Kalcut  
 Site # 7-A- East end (S/o SD) Lake-  
 Site # 8- West side Lodi Lake, near outfall  
 Site # 9- Above WID Bridge and Dam  
 Site # 9-A- Streamside- Below dam- Lodi High

**New Conductivity meters**

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	9/10/10	16:00	7.5 A	17.1 C A	62.8 F A	8.7 A	2.7 ntu A	50 A	N/A A	Dog in water
Site # 2 River near Casa de Lodi	9/10/10	16:43	7.4 A	17.2 C A	63.0 F A	8.5 A	N/A A	50 A	0 A	
Site # 5 River at 1050 N Lincoln										
Site # 7 River, near Gazebo N/O Lodi Lake	9/10/10	15:50	7.2 A	19.6 C A	67.3 F A	8.9 A	4.1 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	9/10/10	17:27	7.1 A	17.9 C A	64.2 F A	8.5 A	N/A A	50 A	0 A	

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

New season: 7-01-10

Weather: Clear, sunny, light breeze (Average temp: 30.1C/86.2F) Last rain: 5/30/2010 Season total: 0

**VISUAL OBSERVATIONS**

DATE	SITE	ODOR	ALGAE	FOAM	TURBID.	FLOW	OIL	LITTER	COLOR
24-Sep-10	site 1	None	None	None	Clear	Flood	None	None	None
	site 2	None	Light<5%	None	Clear	Low	None	Light<5 pieces	Green
	site 5								
	site 7	None	Med. 5-25%	None	Clear	Low	None	None	None, Brown
	site 7A								
	site 8	None	Light<5%	None	Cloudy	Low	None	Light<5 pieces	None
	site 9								
	site 9A	None	None	None	Clear	Medium	None	None	None

River Water Level: Lake and river still high because WID dam impounded flow

Monitors: Sites # 1 Vacrezza Private Property- Jim Elliott- (Bray)- J. Raybe, R. Felton, B. Hayn, H. Kalcut  
 Site # 2- Casa de Lodi- Lodi Academy- (Hall)  
 Site # 5- 1050 N Lincoln  
 Sites # 7- Lodi Lake Park- Near Gazebo- Tokay High- (Starr)- A. Rowell, M. Lail, C. Williamson, A. Arif, K. Arealas, N. Chima, J. Wu  
 Site # 7-A- East end (S/o SD) Lake-  
 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- Jim Elliott

**New Cond. meters**

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	9/24/10	15:40	7.0 A	16.9 C A	62.4 F A	10.3 A	N/A A	40 A	0 A	turb. meter not working
Site # 2 River near Casa de Lodi	9/24/10	16:35	6.9 B	16.9 C A	62.4 F A	6.8 C	40.0 ntu A	20 A	0 A	Leaf litter
Site # 5 River at 1050 N Lincoln										
Site # 7 River, near Gazebo N/O Lodi Lake	9/24/10	15:45	6.9 B	18.0 C A	64.4 F A	9.6 A	N/A A	50 A	0 A	
Site # 7A East end (S/o SD) Lodi Lake										
Site # 8 Lodi Lake Near Storm Drain	9/24/10	16:42	8.2 B	21.4 C A	70.5 F A	9.9 A	N/A A	50 A	0 A	
Site # 9 River- Upstream of dam										
Site # 9A River below WID Dam, streamside	9/24/10	16:30	7.4 A	17.5 C A	63.5 F A	10.2 A	N/A A	50 A	0 A	turb. meter not working
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			