

Lodi Citizen's Monitoring - Lodi, California
September 2009

Weather: Calm, sunny (34.8C/ 94.6F) Last rain: June 4
 date Visual Observations: Odor- none; Algae- site 7 none, site 1 light, site 9A high;
 Foam- sites 1, 7 none, site 9 separated bubbles; Turbidity- sites 1, 9 clear, site 7 murky;
 Flow- site 7A none, sites 1, 7 low, site 9A high; Oil-site 1 none, sites 7, 9A light sheen;
 Litter- site 7 none, site 1 light, site 9A moderate; Color- sites 7, 7A no color; sites 1, 9A olive brown.
 11-Sep-09 River level up, dam raised, Mokelumne River impounded, Lodi Lake filled-3-17-09

Calibration: Brian Bock on site to help students

Test Site	Date	Time	pH	Water Temperature		Dissolved	Turbidity	(TDS)	Nitrate,	Remarks
				Oxygen	mg/L	NTU	Conduct	as mg/L		
Site #1 River before City Storm System inlets	11-Sep-09	17:00	7.0 A	17.9 C A	64 F	10.7 A	.8 ntu A	30 A	0 A	DO supersaturated?
Site # 2 River near Casa de Lodi	11-Sep-09									No data available
Site # 5 River at 1050 N Lincoln	11-Sep-09									no data available
Site # 7 River, near Gazebo N/O Lodi Lake	11-Sep-09	16:25	7.0 A	19.6 C A	67.3 F	9.7 A	3.9 ntu A	30 A	0 A	DO supersaturated?
Site # 7A East end (S/o SD) Lodi Lake	11-Sep-09	16:00	6.5 B	27.1 C A	80.8 F	10.5 A	1.5 ntu A	40 A	0 A	DO supersaturated?
Site # 8 Lodi Lake near Storm Drain	11-Sep-09									no data available
Site # 9A River below WID Dam at Bridge	11-Sep-09	16:20	6.9 B	19.5 C A	67.1 F	10.4 A	1.8 ntu A	30 A	0 A	DO supersaturated?

Weather: Clear, Sunny, Calm- Breezy at site # 1- temper: Last rain: September 14, 2009. 42 inches
 Visual observations: Odor- none; Algae- all sites light; Foam- all sites none; Turbid- all sites none;
 Oil- all sites none; Flow- site 7 none, sites 1, 2 low, site 9A medium;
 Litter- sites 1, 2, 7 none, site 9A light; Color- sites 7, 9A none, sites 1, 2 green.

25-Sep-09 River level up because of impoundment, dam in place, Lodi Lake filled- 3/17/09

Monitors: Team # 1- Sites # 1, 2 - Ms. Hall- Lodi Academy-D. Rodriguez, S. Emmett, L. Lucero, D. Leach.

Team # 2: Sites # 7, 9-A- Tokay High- Mrs. Starr- Jenna Kanegawa, Gordon Wong.

Calibration: Furlough Friday- Brain Bock not on site. Teams calibrated on own.

Test Site	Date	Time	pH	Water Temperature		Dissolved	Turbidity	(TDS)	Nitrate,	Remarks
				Oxygen	mg/L	NTU	Conduct	as mg/L		
Site #1 River before City Storm System inlets	25-Sep-09	15:58	7.9 A	16.9 C A	62.4 F	9.8 A	.8 ntu A	0 A	0 A	none
Site # 2 River near Casa de Lodi	25-Sep-09	16:20	7.9 A	16.7 C C	62.1 F	7.0 ChemMet C	.8 ntu A	0 A	0 A	DO meter suspect
Site # 5 River at 1050 N Lincoln	25-Sep-09									no data available

Site # 7	25-Sep-09		7.8	23.1 C	73.6 F	8.5	3.2 ntu	40	0	DO Meter reads "Error 4"
River, near Gazebo		15:15	A	digital		ChemMet	A	A	A	
N/O Lodi Lake				A		A				
Site # 7A										no data available
East end (S/o SD)										
Lodi Lake										
Site # 8	25-Sep-09									no data available
Lodi Lake										
near Storm Drain										
Site # 9A	25-Sep-09		7.8	19.8 C	67.6 F	9.0	3.5 ntu	40	0	DO Meter reads "Error 4"
River below WID		15:51	A	digital		ChemMet	A	A	A	
Dam at Bridge				A		A				

NA = Not Analyzed

<u>GRADE:</u>	<u>pH</u>	<u>Temp</u>	<u>D.O.</u>	<u>Turbidity</u>	<u>TDS</u>	<u>Nitrates</u>
A	7.0 - 8.0	Weather	> 85% Saturation	< 5	< 150	< 1
B	6.5-6.9, 8.1-8.5	and	75-84% Sat.	5 - 20	151 - 300	2 - 3
C	6.0-6.4, 8.6-9.0	condition	65-74% Sat.	21 - 50	301 - 500	4 - 5
D	5.5-5.9, 9.1-9.5	dependent	55-64% Sat.	50 - 150	501 -1000	6 - 10
F	<5.5, >9.5		< 55%Sat., <5.0mg/L	> 150	> 1000	> 10