

Lodi Citizen's Monitoring - Lodi, California
November 2009

Weather: Partly cloudy, sunny, light breeze (20.3C/ 68.6F) **Last rain:** 10-13-09- 3.00" **Season total:** 3.53"

date **Visual Observations:** **Odor-** none; **Algae-** sites 1, 2, 9A none/ sites 7, 7A light/ site 9 moderate;

09-Nov-09 Foam- sites 1, 2, 7, 7A, 9 none/ site 9A separated bubbles; **Turbidity-** sites 1, 2, 9 none/ sites 7, 7A, 9A cloudy;

Flow- sites 1, 2, 7, 7A, 9 low/ site 9A medium; **Oil-** all sites none;

Litter- sites 1, 2 moderate (6-10 pieces)/ sites 7, 7A none/ site 9A light (<than 5 pieces);

Color- sites 1, 9A brown/ sites 2, 7A, 7, 9 olive brown.

River level up, dam raised, Mokelumne River impounded, Lodi Lake filled-3-17-09

Monitors: **Sites # 1, 2** Lodi Academy- Caren Hall

Sites # 7, 7A Lodi High-Team # 1 (Mrs. Turner)- Holly Fyffe, Tim Weisenberg, Nathen Shibley,
 Lori Scheidman, Colin Anderson, Morgan West, Jasmine Granados, Eryn Warmerdam, Brittany Kim

Sites # 9 Lodi High (Mrs. Turner)- (15:00)- Ian Sroufe

Sites # 9A from the bridge- Jim Elliot CHS- (Mr. Bray)- (14:50) Tyler Nuss, Megan Crutchfield

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	06-Nov-09	12:55	7.0 A	15.3 C A	59.5 F	9.3 A	4.7 ntu A	20 A	0 A	litter is leaf litter
Site # 2 River near Casa de Lodi	06-Nov-09	13:45	6.9 B	15.3 C A	59.5 F	9.3 A	4.7 ntu A	20 A	0 A	litter is leaf litter
Site # 5 River at 1050 N Lincoln	06-Nov-09									no data available
Site # 7 River, near Gazebo N/O Lodi Lake	06-Nov-09	16:44	No reading	15.9 C A	60.6 F	9.2 A	7.7 ntu B	30 A	0 A	pH meter not functioning
Site # 7A East end (S/o SD) Lodi Lake	06-Nov-09	16:44	7.4 A	17.4 C A	63.3 F	8.8 A	3.4 ntu A	30 A	0 A	
Site # 9 River- Upstream	06-Nov-09	15:00	7.7 A	16.5 C A	61.7 F	9.4 A	.3 ntu A	30 A	0 A	

of dam										
Site # 9A	06-Nov-09	14:50	7.7	17.2 C	63.0 F	8.3	6.6 ntu	40	0	
River below WID			A	A		A	B	A	A	
Dam, under bridge										

Weather: Raining/Windy/Overcast Cloudy (9.4C/48.9F) **Last rain:** 10-20-09- 0.15" **Season total:** 3.72"

date **Visual observations:** **Odor-** none; **Algae-**sites 1, 2, 8 none/ sites 7, 9A light; **Foam-** sites 1, 2, 7 none/

20-Nov-09 site 8 moderate/ site 9A separated bubbles.

Turbidity- sites 1, 2, 7 none/ sites 8, 9A cloudy.

Oil- none; **Flow-** sites 1, 2, 7, 9A low/ site 8 high.

Litter- sites 1, 2, 7, 9A none/ site 8 moderate (6-10 pieces); **Color-** sites 1, 2, 8, 9A olive brown/ site 7 none.

River level down- WID Dam- released impounded water, Lodi Lake emptied- 11/08/09

Monitors: **Team # 1-** Sites # 1, 2 - Ms. Hall- Lodi Academy-

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

Team# 3- Jim Elliot CHS- (Mr. Bray)- Megan Crutchfield, Tyler Nuss, Alexis Solcolava.

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	20-Nov-09	15:15	7.0 A	13.7 C A	56.7 F	9.2 A	4.6 ntu A	20 A	0 A	Cold!
Site # 2 River near Casa de Lodi	20-Nov-09	16:08	7.0 A	13.7 C A	56.7 F	9.3 A	4.6 ntu A	20 A	0 A	Cold!
Site # 5 River at 1050 N Lincoln										no data available
Site # 7 River, near Gazebo N/O Lodi Lake	20-Nov-09	15:23	7.8 A	13.9 C A	57.0 F	9.4 A	N/A	40 A	0 A	Turb. Meter error message
Site # 7A East end (S/o SD) Lodi Lake										lake emptied- no data available
Site # 8 Lodi Lake near Storm Drain	20-Nov-09	15:59	7.7 A	16.1 C A	61.0 F	8.9 A	N/A	110 A	0.09 A	flow referred to water velocity from storm drain.

Site # 9A	20-Nov-09	14:42	8.2	13.6 C	56.5 F	9.8	11.8 ntu	40	0	Nitrate done by Bray
River below WID			A	A		A	B	A	A	
Dam at Bridge										

NA = Not Analyzed

ND= None Detected

<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