

Lodi Citizen's Monitoring - Lodi, California

October 2009

Weather: Clear, sunny, windy (22.3C/ 72.2F)

date **Visual Observations:** **Odor-** none; **Algae-** none; **Last rain: September 14, 2009 0.42 inches**
Foam- sites 1, 2, 7 none/ site 9-A separated bubbles; **Turbidity-** sites 1, 2, 9-A cloudy/ site 7 clear;
Flow- sites 1, 2, 7 medium/ site 9-A high; **Oil-** all sites none;
Litter- site 1, 2 - light (< less than 5 pieces)/ sites 7, 9-A none; **Color-** sites 1, 2 brown/ sites 7, 9-A olive brown.

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

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

Sites # 7, 9-A Lodi High School- Zyania Lizarraga and Kathy Grant

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	09-Oct-09	13:30	7.9 A	15.1 C A	59.2 F	10.6 A	.5 ntu A	0 A	0 A	DO supersaturated?
Site # 2 River near Casa de Lodi	09-Oct-09	14:00	7.9 A	15.2 C A	59.4 F	9.9 A	.9 ntu A	0 A	0 A	no comments
Site # 5 River at 1050 N Lincoln	09-Oct-09									no data available
Site # 7 River, near Gazebo N/O Lodi Lake	09-Oct-09	16:12	No reading	15.8 C A	60.4 F	8.9 A	7.1 ntu A	40 A	0 A	pH probe dirty- reading low
Site # 7A East end (S/o SD) Lodi Lake	09-Oct-09									no data available
Site # 8 Lodi Lake near Storm Drain	09-Oct-09									no data available
Site # 9A River below WID Dam at Bridge	09-Oct-09	17:00	No reading	15.9 C A	60.6 F	10.2 A	24.7 ntu C	40 A	0 A	pH probe dirty- reading low

23-Oct-09

Weather: Calm, Partly Cloudy- temperature 27.2C (80.9F) **Last rain: 10-13-09 - 3.00 "- Lodi Lake Wilderness station**

Visual observations: Odor- none; **Algae-** all sites light; **Foam-** sites- 1, 2, 9-A none/ site 7 seperated bubbles;

Turbidity- sites 1, 2, 9-A none/ site 7 cloudy;

Oil- all sites none; **Flow-** site 9A medium/ site 7 none;

Litter- all sites none; **Color-** sites 1, 2 green/ sites 7, 9-A none.

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-

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

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	23-Oct-09	13:30	7.9 A	16.2 C A	61.2 F	9.8 A	.8 ntu A	0 A	0 A	none
Site # 2 River near Casa de Lodi	23-Oct-09	14:09	7.9 A	16.2 C A	61.2 F	9.8 A	.8 ntu A	0 A	0 A	none
Site # 5 River at 1050 N Lincoln										no data available
Site # 7 River, near Gazebo N/O Lodi Lake	23-Oct-09	15:24	7.8 A	18.9 C A	66.0 F	9.1 A	N/A	40 A	0 A	Turb. Meter error message
Site # 7A East end (S/o SD) Lodi Lake										no data available
Site # 8 Lodi Lake near Storm Drain										no data available
Site # 9A River below WID Dam at Bridge	23-Oct-09	16:00	7.6 A	17.3 C A	63.1 F	10.2 A	N/A	40 A	0 A	Turb. Meter error message

NA = Not Analyzed

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