Lodi Citizen's Monitoring - Lodi, California
April 2010

Weather: Clear, sunny, calm. Some light breezes. (20.4/ 68.7F)   **Last rain**: 4- 01-10   **Season total:** 16.19"

date   **Visual Observations**: **Odor**- All sites- none. **Algae**- Site # 1, 2- light. Sites- # 7, 8, 9-A- None.

09-Apr-10 **Foam**- 1,2, 7,8 - none. 9-A- separated bubbles. **Turbidity**- Sites- 1, 2, 7, 8, 9A - clear

Flow- Sites # 1, 2, 7, 9A- low. Site # 8- high. **Oil**- All sites- none.

Litter- Sites- 1,2, 7, 9A- none. Sites- 8- light- < 5 pieces.

Color- Site # 1- Brown. Site- 2, 7- Olive Brown. Site #8- none. Site # 9A- Blue.

River Water Level- River level up, dam closed, Mokelumne River impounded, Lodi Lake filled- 03-01-10.

Monitorers: **Sites # 1 Vacrezza Private Property; Site # 2- Casa de Lodi-** Lodi Academy (Teacher- Caren Hall)

Sites # 7- Lodi Lake Park- near gazebo- river. Lodi High School- (Teacher- Melissa Turner)- Morgan West

Site # 8- **West side Lodi Lake, near outfall.** Lodi High School- (Teacher- Melissa Turner)- Elise and Adam Robinson, Christina Pohl.

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-Apr-10	13:30	7.5 A	10.3 C A	50.5 F	10.4 A	20.0 ntu B	40 A	0 A	weather calm
Site # 2 River near Casa d	09-Apr-10	13:51	7.4 A	10.3 C A	50.5 F	10.4 A	20.0 ntu B	40 A	0 A	
Site # 5 River at 1050 N Lincoln										no data available
Site # 7 River, near Gazebo N/O Lodi Lake	09-Apr-10	16:13	7.6 A	15.7 C A	60.3 F	10.4 A	.5 ntu A	40 A	0 A	DO seems high- supersaturated
Site # 7A East end (S/o SD) Lodi Lake										no data available
Site # 8 Lodi Lake Near Storm Drain	09-Apr-10	15:40	7.9 A	16.7 C A	62.1 F	9.8 A	1.9 ntu A	40 A	N/A	pipe under water
Site # 9										

Test Site	Date	Time	pH	Water Temperature		Dissolved Oxygen mg/L	Turbidity NTU	(TDS) Conduct. uS	Nitrate, as mg/L Nitrogen	Remarks
River- Upstream of dam										not available
Site # 9A River below WID Dam, under bridge	09-Apr-10	13:15	6.8 B	15.5 C A	59.9 F	9.2 A	5.1 ntu B	40 A	ND	

Weather: Light breeze, clear and sunny. (20.9 C/69.6F)   **Last rain:** 21-Apr-10   **Season total:** 18.63"

date   **Visual observations**: Odor- None. **Algae**- All sites- None. **Foam**- All sites- None.

23-Apr-10 **Turbidity-** All sites- None.

Oil- All sites- none. **Flow**- Sites- #1, 9A- Medium. Site # 8-None.

Litter- Sites # 1, 9A- None. Site #- 8- Light (< 5 pieces)

Color- Site # 1- Brown. Site # 8, 9-A- None.

River Water Level- River level up, dam closed, Mokelumne River impounded, Lodi Lake filled- 03-01-10.

Monitorers: **Team # 1-** Sites # 1, 9A - Ms. Hall- Lodi Academy

Team # 2- Sites # 7, 8- Tokay High- (Mrs. Starr)- Ashley Fogola, Bre Sarmento, Alan Rodriquez

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-Apr-10	16:53	8.0 A	11.1 C A	52.0 F	9.5 A	2.5 ntu A	40 A	0 A	sunny and clear
Site # 2 River near Casa de Lodi										Data not available.
Site # 5 River at 1050 N Lincoln										Data not available.
Site # 7 River, near Gazebo N/O Lodi Lake										Data not available.
Site # 7A East end (S/o SD) Lodi Lake										Data not available.
Site # 8	23-Apr-10	15:28	7.7	19.1 C	66.4 F	8.6	8.7 ntu	40	0	pipe under

Site	Date	Time	pH	Temp		D.O.	Turbidity	TDS	Nitrates	Comments
Lodi Lake near Storm Drain			A	A		A	B	A	A	pipe under water
Site # 9A River below WID Dam at Bridge	23-Apr-10	17:36	6.9 B	11.9 C A	53.4 F	9.5 A	6.0 ntu B	40 A	0 A	DO seems supersaturated

NA = Not Analyzed

ND= None Detected

GRADE:	pH	Temp	D.O.	Turbidity	TDS	Nitrates
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