

Water Quality (WQ) Data on the Tuolumne

Notes:

*Turbidity sensor was not calibrated

*Temperature, Conductivity, Dissolved Oxygen, &

*pH, Temperature 2, and Conductivity 2 measure

Site: **Meryl's Pool**

GPS: N
W

Date	Time	Temperature (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	pH	Temperature 2 (°C)
6/16/2009	940	11.42	0.014	10.9	15	6.26	

Site: **Above Clavey Confluence**

Site ID: **CC1**

GPS: N 37°51.810'
W 120°06.982'

Date	Time	Temperature (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	pH	Temperature 2 (°C)	Conductivity 2 (uS/cm)
6/16/2009	1445	13.85	0.013	9.99		6.69	14.1	
6/16/2009	2000	13.3	0.012	11.6		7.24	13.5	
6/17/2009	815	11.1	0.013	11.36		7.27	11.4	
6/17/2009	1225	12.6	0.012	12.25		7.14	12.9	
6/22/2009	1334	-	-	-	-	7.62	13.6	12.73
6/23/2009	814	-	-	-	-	7.38	12.6	13.7

Site: **Upstream Clavey River (by big tree**

Site ID: **CC2**

GPS: N 37°51.840'
W 120°06.969'

Date	Time	Temperature (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	pH	Temperature 2 (°C)	Conductivity 2 (uS/cm)
6/16/2009	1500	17.91	0.024	10.46		7.3	18.1	
6/16/2009	2015	17.68	0.023	9.7		7.49	17.8	
6/17/2009	830	15.97	0.024	8.21		7.49	16.2	
6/22/2009	1346	-	-	-	-	7.82	19.3	21.9
6/23/2009	820	-	-	-	-	7.7	17.3	22.8

Site: **Fish sampling site ECR6.17.1 Clav**

Site ID: **CC3**

GPS: N
W

Date	Time	Temperature (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	pH (average)	Temperature 2 (°C)
6/17/2009	1015	16.58	0.024	8.73	27.1	7.61	16.8

Site: **Pike Minnow Pool Up Clavey River**
 Site ID: **CC4**
 GPS: N
 W

Date	Time	Temperature (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	pH (average)	Temperature 2 (°C)
6/17/2009	1100	17.17	0.023	10.65	23.3	7.5	17.3

Site: **Above Clavey Falls**
 Site ID: **CC5**
 GPS: N 37°51.841'
 W 120°07.030'

Date	Time	Temperature (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH (average)	Temperature 2 (°C)	Conductivity 2 (uS/cm)
6/16/2009	1530	16.82	0.02	10.04	7.43	17	
6/17/2009	1115	15.84	0.02	10.1	7.34	15.8	
6/22/2009	1400	-	-	-	7.55	16.6	15.9
6/23/2009	912	-	-	-	7.52	15.2	17.2

Site: **Hyporheic flow near Clavey (downstream)**
 Site ID: **CC6**
 GPS: N 37°51.872'
 W 120°07.017'

Date	Time	Temperature (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH (average)	Temperature 2 (°C)	Conductivity 2 (uS/cm)
6/16/2009	1607	20.84	0.051	4.72	6.75	21.8	
6/22/2009	1408	-	-	-	6.89	20.9	44.2
6/23/2009	919	-	-	-	6.78	17.3	47.8

Site: **Below Clavey Falls**
 Site ID: **CC7**
 GPS: N
 W

Date	Time	Temperature (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH (average)	Temperature 2 (°C)	Conductivity 2 (uS/cm)
6/22/2009	1414	-	-	-	7.5	14.5	14.43
6/23/2009	927	-	-	-	7.17	13.4	15.34

Site: **North Fork**
 GPS: N
 W

Date	Location	Site ID	Time	Temperature (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH (average)	Temperature 2 (°C)	Conductivity 2 (uS/cm)
6/16/2009	Site 1	1	1700	21.81	0.08	10.98	8.21	21.8	
6/16/2009	Site 2	2	1700	21.78					
6/16/2009	Site 3	3	1700	21.78					
6/16/2009	Site 4	4	1700	21.75					
6/16/2009	Site 5	5	1700	21.73					
6/16/2009	Site 6	6	1700	21.72					
6/16/2009	Site 7	7	1700	21.72					
6/16/2009	Site 8	8	1700	21.71	0.08	7.14	8.12	21.8	
6/16/2009	Mixing	M	1700	17.85	0.033	11.05	7.99	17.9	
6/16/2009	Upstream	U	1700	15.46	0.014	11.15	7.41	15.7	
6/16/2009	Downstream	D	1700	16	0.02	9.76	7.45	16.1	
6/23/2009	Upstream	U	1245	-	-	-	7.03	15	14.17
6/23/2009	North Fork	NF	1252	-	-	-	8.01	21.5	85.17
6/23/2009	Downstream	D	1258	-	-	-	7.31	15.5	17
6/23/2009	Mixing	M	1307	-	-	-	7.97	20.6	68.7

Site: **Indian**
 GPS: N
 W

Date	Location	Site ID	Time	Temperature (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH (average)	Temperature 2 (°C)	Conductivity 2 (uS/cm)
6/23/2009	Downstream	D	1448	-	-	-	7.25	15	13.58
6/23/2009	Middle	MID	1455	-	-	-	7.3	15	13.56
6/23/2009	Upstream	U	1500	-	-	-	7.19	15	13.51
6/23/2009	Creek	C	1700	-	-	-	7.71	18.3	466
6/23/2009	Mine	MN	1750	-	-	-	7.97	14.9	376
6/24/2009	Sun	SUN	753	-	-	-	7.36	13.3	13.87
6/24/2009	Shade	SD	800	-	-	-	7.39	13.3	15.91

Summary Table:

Sample Location	Date/Time	Temp (°F)	pH	Conductivity (uS/cm)	Dissolved Oxygen (mg/L)
Tuolumne River at Meryl's Pool	6/16/09 0940	11.4	6.3	14	10.9
	-	-	-	-	-
	-	-	-	-	-
Above Clavey Confluence	6/17/09 0815	11.1	7.3	13	11.4
	6/16/09 1445	13.9	7.2	13	10
	6/16/09 2000	13.3	7.2	12	11.6
Clavey River	6/17/09 0830	16	7.5	24	8.2
	6/16/09 1500	17.9	7.3	24	10.5
	6/16/09 2015	17.7	7.5	23	9.7
Tuolumne River at Indian campsite below Clavey River	6/24/09 0753	13.3	7.4	14	-
	6/23/09 1448	15	7.3	14	-
	-	-	-	-	-
North Fork Tuolumne River	-	-	-	-	-
	6/23/09 1252	21.5	8	85	-
	6/16/09 1700	21.8	8.2	80	11
Tuolumne River below North Fork	-	-	-	-	-
	6/23/09 1258	15.5	7.3	17	-
	6/16/09 1700	16	7.5	20	9.8