

**FIELD DATA - Measurements taken on site, 2010****RR1 - Primary Lower Redwood River at Redwood CR17 near Redwood Falls****STORET CODE - S001-679**

Flow Type	Date	FLOW	Time	Temp ©	DO	pH	TT 1
Base Flow	1/29/2010		10:50	0.0	11.92	8.30	60.0
Base Flow	2/11/2010		11:55				60.0
Snowmelt	3/16/2010		9:25	0.0	13.39	8.16	14.4
Snowmelt	3/17/2010		10:15				
Snowmelt	3/19/2010		11:05	2.0	13.21	8.17	13.8
Snowmelt	3/23/2010		9:15	4.2	11.31	8.04	17.4
Snowmelt	3/25/2010		10:45	5.5	10.11	8.05	22.7
Base Flow	4/5/2010		9:50	9.5	10.16	8.41	15.7
Base Flow	4/13/2010		11:05	11.8	10.07		21.5
Base Flow	4/19/2010		9:45	12.3	9.43	8.31	24.7
Base Flow	4/27/2010		8:50	10.8	9.48	8.31	31.9
Base Flow	5/5/2010		8:50	11.1	9.85	8.43	37.4
Storm Flow	5/13/2010		9:50	8.0	10.21	8.25	33.0
Storm Flow	5/19/2010		9:00	15.3	8.30	8.25	22.4
Base Flow	5/27/2010		10:00	18.4	8.01	8.25	17.7
Base Flow	6/2/2010		9:05	17.6	7.60?	8.31	19.4
Storm Flow	6/11/2010		9:45	E9	E4	7.98	3.1
Storm Flow	6/14/2010		10:20	E9	E4	8.05	15.1
Storm Flow	6/15/2010		9:40	E9	E4	8.05	14.4
Storm Flow	6/18/2010		9:20	E9	E4	8.06	17.5
Storm Flow	6/23/2010		10:05	E9	E4	8.13	16.0
Storm Flow	6/28/2010		9:30	20.7	E4	7.91	15.1
Storm Flow	6/29/2010		9:15	E9	E4	7.90	20.4
Base Flow	7/14/2010		11:20	E9	E4	8.13	13.4
Base Flow	7/26/2010		9:40	E9	E4	8.13	7.9
Base Flow	8/5/2010		9:10	E9	E4	8.30	11.0
Base Flow	8/17/2010		10:40			8.35	17.5
Base Flow	8/24/2010		9:05			8.52	25.5
Base Flow	8/31/2010		12:05	24.9	11.93	8.70	28.5
Base Flow	9/2/2010		10:40	21.1	8.14	8.36	20.0
Storm Flow	9/3/2010		9:35	17.4	7.70	8.08	7.0
Storm Flow	9/7/2010		12:25	17.0	8.04	8.09	16.7
Storm Flow	9/16/2010		9:05	15.5	8.30	8.17	22.4
Storm Flow	9/17/2010		8:45	15.0	8.36	8.04	21.2
Storm Flow	9/21/2010		9:45	17.1	8.16	8.13	30.6
Storm Flow	9/23/2010		12:00	16.2	7.59	8.03	13.5
Storm Flow	9/24/2010		7:35				9.8
Storm Flow	9/27/2010		9:35	14.7	7.17	7.89	12.1
Storm Flow	9/30/2010		9:50	15.9	7.06	7.96	24.4
Storm Flow	10/7/2010		9:10	13.9	8.89	8.23	34.6
Storm Flow	10/14/2010		9:45	12.7	9.23	8.30	17.3
Storm Flow	10/22/2010		10:20	9.4	10.08	8.45	22.5
Base Flow	11/23/2010		9:45	0.0	13.40	8.31	Ice

Base Flow	12/9/2010		12:15	0.7	10.98	8.53	60+
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Issues with the DO meter resulted in missed (E9 & E4) or questionable data (?)

## FIELD DATA - Measurements taken on site, 2010

### CC3 - Clear Creek in Seaforth

#### STORET CODE - S002-311

Flow Type	Date	FLOW	Time	Temp ©	DO	pH	TT 1
Snowmelt	3/17/2010		10:40				
Snowmelt	3/23/2010		9:50	1.9	11.48	8.12	27.2
Snowmelt	3/25/2010		11:15	2.9	10.87	8.14	37.2
Base Flow	4/5/2010		10:15	7.5	10.11	8.31	60+
Base Flow	4/19/2010		10:15	10.1	11.09	8.25	60+
Storm Flow	5/13/2010		10:25	7.9	10.06	8.12	60+
Base Flow	5/27/2010		10:35	15.2	9.24	8.15	60+
Storm Flow	6/11/2010		9:15	16.0	7.34?	7.87	6.5
Storm Flow	6/14/2010		9:50	14.0	7.63?	7.92	55.8
Storm Flow	6/15/2010		10:15	E9	E4	7.87	56.6
Storm Flow	6/28/2010		10:00	19.4 -ph	E4	7.73	38.4
Storm Flow	6/29/2010		9:45	17.0	6.60	7.83	44.1
Base Flow	7/14/2010		11:50	E9	E4	8.12	60+
Base Flow	7/26/2010		10:10	E9	E4	7.97	60+
Base Flow	8/17/2010		11:05			8.24	60+
Base Flow	8/31/2010		12:30	23.9	7.22	8.11	60+
Storm Flow	9/3/2010		10:00	16.3	7.06	7.86	20.7
Storm Flow	9/7/2010		11:55	15.4	8.80	8.16	38.7
Storm Flow	9/17/2010		9:05	14.6	7.85	7.89	34.1
Storm Flow	9/21/2010		10:10	16.7	8.23	8.10	40.8
Storm Flow	9/24/2010		8:05				10.8
Storm Flow	9/27/2010		10:10	13.9	6.86	7.78	31.6
Storm Flow	9/30/2010		10:20			7.90	35.8

Issues with the DO meter resulted in missed (E9 & E4) or questionable data (?)

(-ph = reading came from pH meter)

**FIELD DATA - Measurements taken on site, 2010****TC4A - Three Mile Creek near Green Valley****STORET CODE - S002-313**

Flow Type	Date	FLOW	Time	Temp ©	DO	pH	TT 1
Snowmelt	3/16/2010		10:30	0.1	14.27	8.17	35.2
Snowmelt	3/17/2010		11:15				
Snowmelt	3/23/2010		10:35	3.9	10.75	8.18	19.4
Base Flow	4/5/2010		10:55	8.9	10.24	8.29	40.2
Base Flow	4/19/2010		10:55	11.7	10.33	8.26	60+
Storm Flow	5/13/2010		11:10	7.8	10.51	8.15	58.6
Base Flow	5/27/2010		11:20	18.1	E5	8.14	41.2
Storm Flow	6/15/2010		11:00	E9	E4	7.88	27.0
Storm Flow	6/28/2010		10:45	20.5	5.33?	7.79	15.5
Storm Flow	6/29/2010		10:20	20.3	E5	7.83	31.1
Storm Flow	6/30/2010		9:30	20.0	5.91	7.65	31.0
Base Flow	7/14/2010		12:35	E9	E4	7.96	33.4
Base Flow	7/26/2010		10:55	E9	E4	8.01	15.2
Base Flow	8/17/2010		11:45	E9	E4	7.96	25.3
Base Flow	8/31/2010		13:15	23.5	6.27	7.72	18.6
Storm Flow	9/3/2010		10:45	15.9	7.01	7.81	6.2
Storm Flow	9/7/2010		10:00	15.2	7.51	7.96	16.8
Storm Flow	9/17/2010		9:50	14.6	7.24	7.91	14.3
Storm Flow	9/24/2010		8:40				4.5
Storm Flow	9/27/2010		10:55	15.1	7.57	7.86	21.9

Issues with the DO meter resulted in missed (E9, E5 &amp; E4) or questionable data (?)

**FIELD DATA - Measurements taken on site, 2010****RRUS - Redwood River at Russell****STORET CODE - S000-696**

Flow Type	Date	FLOW	Time	Temp ©	DO	pH	TT 1
Snowmelt	3/16/2010		11:10	0.2	15.56	8.13	18.9
Snowmelt	3/17/2010		11:45				
Snowmelt	3/23/2010		11:10	2.7	12.20	8.28	13.8
Snowmelt	4/5/2010		11:35	8.7	11.37	8.48	39.5
Base Flow	4/19/2010		11:55	12.8	9.83	8.32	53.8
Storm Flow	5/13/2010		12:25	7.7	12.15	8.33	46.1
Base Flow	5/27/2010		12:45	19.2	10.41	8.38	60+
Storm Flow	6/15/2010		12:15	16.2	8.43?	8.07	16.9
Storm Flow	6/28/2010		12:05	20.3	7.29	8.08	20.9
Storm Flow	6/29/2010		11:15	20.0	7.84	8.08	23.3
Base Flow	7/14/2010		13:45	E9	E4	8.15	35.6
Base Flow	7/26/2010		12:30	E9	E4	8.03	17.5
Base Flow	8/17/2010		12:55	E9	E4	8.34	49.6
Base Flow	8/31/2010		14:25	24.0	8.16	8.27	35.8
Storm Flow	9/3/2010		11:50	16.6	8.25	7.99	9.0
Storm Flow	9/7/2010		10:55	15.1	8.62	8.18	19.5
Storm Flow	9/24/2010		9:25				4.6
Storm Flow	9/27/2010		11:40	14.5	7.94	7.98	8.6

Issues with the DO meter resulted in missed (E9 & E4) or questionable data (?)