



**RM 1.8 North Br - Royers**

Test Date	GENERAL TESTING CONDITIONS				CHEMICAL									BIOLOGICAL						NOTES	Test Date
	Air Temp. (°C)	Water Temp (°C)	Begin Time	End Time	D.O. (mg/L)	PERCENT SATURATION	Temp Change (°C)	pH	NITRATE (mg/L)	TOTAL PHOSPHATE (mg/L)	TURBIDITY	WATER QUALITY INDEX RATING (0-100%)	RATING CLASSIFICATION	TAXA I	TAXA II	TAXA III	TAXA IV	POLLUTION TOLERANCE INDEX RATING (0-23+)	RATING CLASSIFICATION	(species of invertebrae observed)	
	typical range:				5.4-14.8			6.6-8.3	4.18-13.86	.01-.17	4.5-17.5										
1	4/25/03				12.5	111	1	8.6	5.28	0.15	90	74.65	Good	4	2	1	1	25	Excellent		4/25/03
					Q-test:	94	90	63	64	96	22										
2	9/29/03	18	11	9:00	12:00	8	74	0	8.1	0.5	0.1	89.68	Good	4	1	0	0	19	Good		9/29/03
						Q-test:	83	93	80	96	96										
3	10/08/03	23.9	10.4	11:15	3:00	10	88	0	9.9	3.6	0	79.80	Good	2	1	1	0	13	Fair		10/08/03
						Q-test:	95	93	21	77	97										
4	4/16/04	22	15.6	2:30	4:30	11	110	0	9.4	12.32	0.1	77.93	Good	5	2	1	0	28	Extremely Excellent		4/16/04
						Q-test:	96	93	35	48	97										
5	5/14/04	21	19	11:20	2:00	8	85	0	8.8	6.86	0.08	82.24	Good	6	2	2	0	34	Extremely Excellent		5/14/04
						Q-test:	93	93	55	58	98										
6	6/18/04	24	20	10:10	12:00	10	110	0	7.4	2.64	0.5	80.92	Good	4	0	0	0	16	Fair		6/18/04
						Q-test:	96	93	95	87	60										
7	7/20/04	25	19	10:00	2:00	12	130	1	8.4	4.4	0.006	75.48	Good	3	0	0	1	13	Fair		7/20/04
						Q-test:	85	90	70	68	99										
8	8/13/04						94	0	8.4	0.44	0.3	82.17	Good	5	1	0	0	23	Good		8/13/04
						Q-test:	98	93	70	96	89										
9	9/23/04					7	75	0	8.2	0.62	0.1	80.77	Good	5	0	0	0	20	Good		9/23/04
						Q-test:	84	93	77	95	97										
10	10/8/04					8	90	0.5	8.1	0.8	1.6	82.92	Good	3	1	0	0	15	Fair		10/8/04
						Q-test:	96	91	80	94	30										
11	6/2/05	18	16	9:30	12:00	9	90	0	8.2	1.72	0	92.13	Excellent	3	0	0	0	12	Fair		6/2/05
						Q-test:	96	93	77	92	99										
12	7/15/05			9:00	12:30	9	100	0	8.2	1.4	0.5	79.56	Good	4	1	0	1	20	Good	mayfly, caddisfly, waterpenny, RH snail, dragonfly, LH snail	7/15/05
						Q-test:	99	93	77	93	60										
13	8/25/05		18			13	135	-1	8.2	0.48	0.6	79.11	Good	5	1	1	2	27	Extremely Excellent	mayfly, caddisfly, riffle beetle, water penny, RH snail, damselfly, planaria, LH snail, aquatic worms	8/25/05
						Q-test:	82	90	77	96	55										
14	9/15/05					9.1	100	0	7.8	1.5	0.39	90.30	Excellent	4	1	1	0	21	Good	mayfly, water penny, caddisfly, leech, damselfly, RH snails	9/15/05
						Q-test:	99	93	88	92	80										
15	10/20/05		13					1	6.9	1.9	0.52	72.79	Good	4	0	0	0	16	Fair	mayfly, caddisfly, waterpenny, RH snail	10/20/05
						Q-test:	50	90	88	91	60										
16	4/27/06	18	8	9:30	12:30	0	0	1	8.4	2.3	0	62.38	Medium	3	0	0	0	12	Fair	caddisfly,mayfly,water pennies	4/27/06
						Q-test:	0	90	70	89	99										
17	5/30/06	28	18	9:40	12:40	8.7	95	0	7.6	2.1	0.21	92.90	Excellent	5	0	0	2	22	Good	water penny, LH/RH snail,stone fly,mayfly,caddisfly,blood midge	5/30/06
						Q-test:	98	93	92	90	95										
18	6/24/06	18	19	9:30	11:30	8.9	100	0	6.2	5	0.88	78.62	Good	5	1	0	1	24	Excellent	Water Penny, Caddis Flies, Stonefly, Riffle Beetle, LH/RH Snails, Damselfly,	6/24/06
						Q-test:	99	93	64	65	43										
19	7/20/06	24	20	9:00	11:00	16.5	120	0	7.8			73.23	Good					0	Poor		7/20/06
						Q-test:	90	93	88	50	50										
20	8/24/06	23	20	10:00	12:45	8.4	90	0	8	2.1	0.11	92.55	Excellent	4	0	0	0	16	Fair	Water Penny, Mayfly, Caddisfly, Stonefly	8/24/06
						Q-test:	96	93	83	90	97										
21	9/28/06	15	14	9:40	12:00	10.4	105	0.5	7.9	2.3	0	88.18	Good	2	1	0	1	12	Fair	Mayfly, Water Penny, Dragonfly, Aquatic Worm	
						Q-test:	98	91	86	89	99										
22	10/27/06	6	6	9:40	12:00	12.3	95	0	8.2	0	0	91.15	Excellent	2				8	Poor	incomplete macroinvertebrate assessment - water penny, mayfly	
						Q-test:	98	93	77	98	99										
23						Q-test:	50	50	50	50	50	50.00	Bad					0	Poor		





