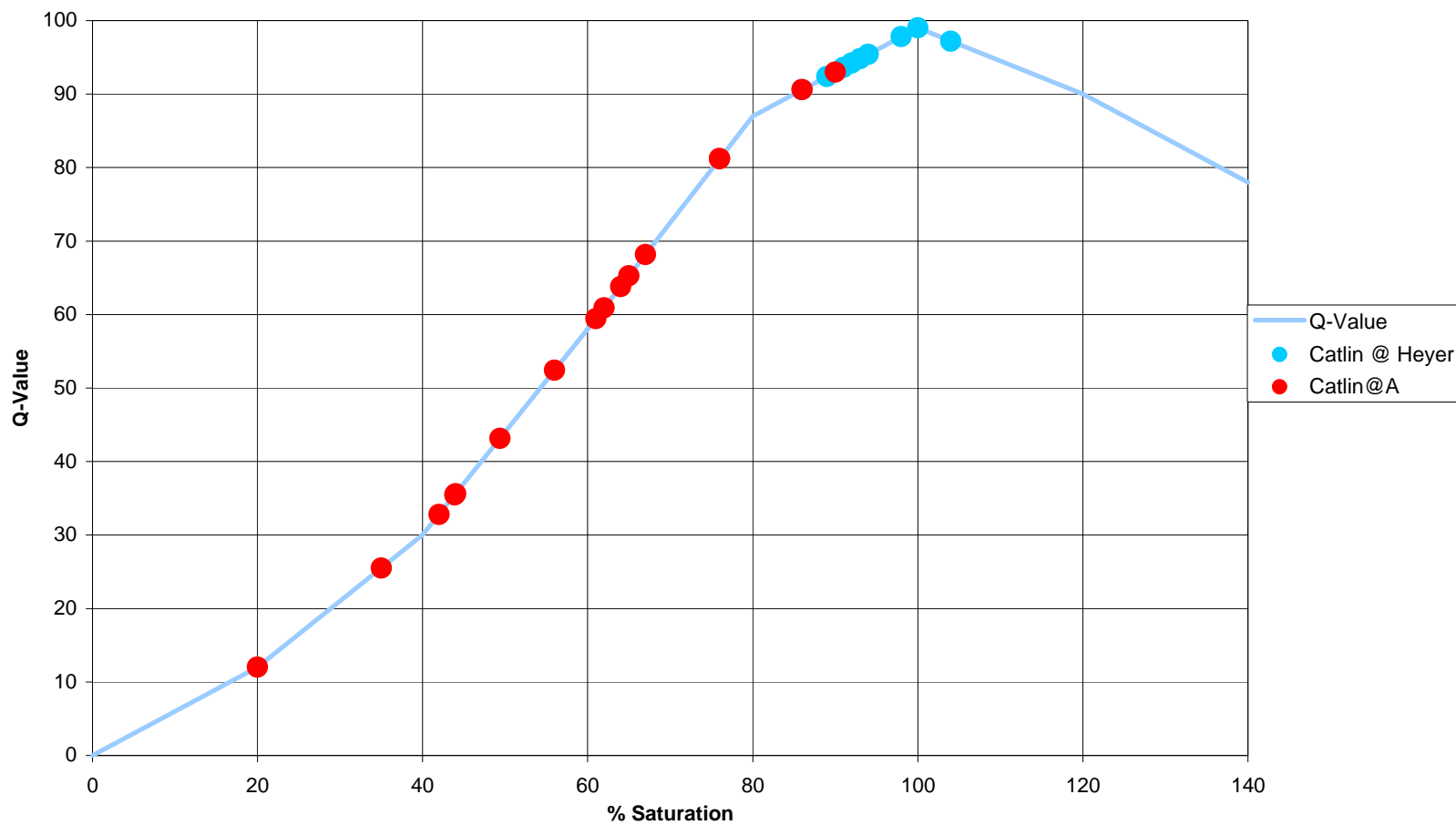


2007 % Saturation Dissolved Oxygen Results for Catlin Creek Sites



**Catlin Creek (Upper St Croix) at County Road A:** Latitude: 46°22'54" Longitude: 91°47'3" (collected: 05/19/2006)

Date	Time Sample Collected	Weather	Dissolved O <sub>2</sub>	% Saturation	Water Temp	Water Flow	Air Temp	Comments	pH Level
5/19/2006	8:30 PM	Sunny	7.9	73	16		14	pH meter 7.11 pH strip 6.3 Conductivity 120	6.3
5/30/2006	8:30 AM	Sunny	8	94	22		18	2.3 ft/sec through culvert	7.5
6/21/2006	8:30 AM	Sunny	7	73	16		13	201 seconds through culvert Jim found siphon sampler 2/3 full. Three people on team Tom, Stephanie and Jim.	6.5
7/12/2006	8:30 AM		4.8	42	16		20	750+ seconds - flow through culvert	7.5
8/20/2006	9:30 AM		4.5	41	15		21	No apparent movement of the water.	7
9/2/2006	10:45 AM	Partly Sunny	6	63	16		20	Conductivity 210 pH strip dry 7, pH meter 7.59	7
9/11/2006	12:10 PM	Partly Sunny	4	38	12.5		16	Conductivity 230 pH strip 6.9 pH 7.1 Dry strip pH meter 7.04 Took DO readings up stream on Sjberg Rd DO 10 mg/L approx 86% saturation. Conductivity 370 pH 6.9 strip pH 8.09 meter	6.9
9/16/2006	2:00 PM	Mostly Cloudy	4	43	17		20	Positive Coliform test from LaMotte Kit. Nitrate Uppm, Phosphate	6.9
9/29/2006	3:30 PM	Raining	7	64	10.5		8.9	Conductivity 230, pH meter 7.34, pH strip 6.6 wet, 6.9 dry kit pH 6.5-7, nitrate 0 phosphate	6.6
10/28/2006	11:55 AM	Partly Sunny	10.5	76	3		6	Conductivity 200, BOD = 2(10.5-6.5) pH meter 7.54, pH strip 6.3 wet, 6.9 dry Water temp upstream 1.5 miles at Heyer road was 4C.	6.3
4/29/2007	9:30 AM	Sunny	9	76	7		20.5	Rusty Crayfish found 130 conductivity 7.03 pH meter, 6.3 pH strip	6.3
5/12/2007	10:00 AM	Sunny	9	86	12	2.9	15.6		6.6
5/25/2007	4:10 PM	Sunny	9.5	90	14		18.3	Conductivity 140 Staff Gauge 1.2 plus .25 to top of siphon. Pulled bottle .75 full.	6.3
6/9/2007	5:30 PM	Partly Sunny	6.5	65	18		20	Conductivity 180 Staff Gauge .94 Bad reagent #2 (moist inside packet) had to repeat 3 times to get good #2 packet.	6.3
6/15/2007	10:20 AM	Partly Sunny	6.95	67	19.7		23.3	Both DO and pH were done with DNR meters. DO reading for % saturation on meter was 56.1 (not 67%) calc here. Clarity 120cm	6.95
6/16/2007	12:00 PM	Sunny	5.5	61	24	3.1	27	Conductivity 190 Staff gauge 1.0	6.6

**Catlin Creek at Heyer Road:** Latitude: 46°23'38" Longitude: 91°47'28" (collected: 09/29/2006)

Date	Time Sample Collected	Weather	Dissolved O <sub>2</sub>	% Saturation	Water Temp	Water Flow	Air Temp	Comments	pH Level
9/29/2006	3:00 PM	Raining	10.5	89	9		8	Conductivity 230 PH meter 7.95, pH strip 6.6 wet, 6.9 dry LaMotte Kit pH 8, phosphate .5 ppm, nitrate 0 ppm	6.6
10/28/2006	12:25 PM	Partly Sunny	11.5	86	4		6	Conductivity 210 pH meter 7.99, pH strip 6.3 wet, 6.9 dry Brown Trout	6.3
5/12/2007	11:30 AM	Sunny	10	91	10	1.3	21	Conductivity 170	6.3
6/15/2007	10:45 AM	Partly Sunny	9.16	92	15.2		23	Both pH and DO were done with DNR meters.	7.37
6/16/2007	11:15 AM	Sunny	10	104	16	1.5	26	Conductivity 210	6.6