

RM 103.25

Taking all data in account (30 years)

		2007	2005	1986	1982	1976	Average	Standard Deviation
Cross Section (1)	Area/below 0	22570.00	16067.30	32918.32	36318.20	21951.00	21637.47	8383.62
	Area/below 10	43075.00	33883.20	28737.90	58066.93	42867.88	41326.18	11175.31
	Depth	-25.75	-20.05	-39.05	-39.01	-27.44	-30.26	8.46
	Slope	0.017	0.014	0.023	0.026	0.027	0.021	0.006
	Width	2207.61	1782.04	2201.87	2201.87	2201.87	2119.05	188.41
	Width/below 0	1770.81	1678.74	2141.86	2057.38	1949.63	1919.68	193.28
	Width/below10	2207.61	1782.04	2201.87	2201.87	2201.87	2119.05	188.41
	Wetted Perm./0	1783.52	1698.47	2148.25	2075.12	1953.33	1931.74	189.93
	Wetted Perm./10	2234.90	1822.35	2226.98	2236.08	2218.82	2147.82	182.08
		Area/below 0	19890.54	15084.24	30654.84	25052.98	21515.34	18699.66
Cross Section (2)	Area/below 10	37996.89	28525.42	51691.44	46279.46	42011.83	41301.01	8766.19
	Depth	-28.94	-24.20	-34.21	-30.02	-24.13	-28.30	4.26
	Slope	0.022	0.019	0.031	0.031	0.028	0.026	0.005
	Width	2089.48	1347.77	2111.91	2115.38	2102.63	1953.43	338.72
	Width/below 0	1418.38	1286.47	1994.17	1950.72	1887.50	1707.45	329.62
	Width/below10	2089.48	1347.77	2111.91	2115.38	2102.63	1953.43	338.72
	Wetted Perm./0	1425.23	1311.33	1998.49	1971.69	1890.70	1719.49	325.55
	Wetted Perm./10	2108.55	1392.40	2135.44	2156.88	2121.06	1982.87	330.57

Years 1986-1976 (Before Weirs were built)

		Average	Standard Deviation
Cross Section (1)	Area/below 0	30395.84	7508.42
	Area/below 10	43224.23	14667.76
	Depth	-35.17	6.69
	Slope	0.025	0.002
	Width	2201.87	0.00
	Width/below 0	2049.62	96.35
	Width/below10	2201.87	0.00
	Wetted Perm./0	2058.90	98.47
	Wetted Perm./10	2227.29	8.64
Cross Section (2)	Area/below 0	25741.05	4608.44
	Area/below 10	46660.91	4851.06
	Depth	-29.46	5.06
	Slope	0.030	0.002
	Width	2109.97	6.59
	Width/below 0	1944.13	53.64
	Width/below10	2109.97	6.59
	Wetted Perm./0	1953.63	56.12
	Wetted Perm./10	2137.79	18.03

Only 2007 and 2005 (After Weirs were built) Before and after

		Average	Standard Deviation
Cross Section (1)	Area/below 0	19318.65	11617.86
	Area/below 10	38479.10	6499.58
	Depth	-22.90	4.04
	Slope	0.015	0.002
	Width	1994.83	300.92
	Width/below 0	1724.77	65.10
	Width/below10	1994.83	300.92
	Wetted Perm./0	1740.99	60.14
	Wetted Perm./10	2028.62	291.72
Cross Section (2)	Area/below 0	17487.39	10378.41
	Area/below 10	33261.15	6697.34
	Depth	-26.57	3.35
	Slope	0.021	0.003
	Width	1718.62	524.47
	Width/below 0	1352.43	93.27
	Width/below10	1718.62	524.47
	Wetted Perm./0	1368.28	80.54
	Wetted Perm./10	1750.47	506.39

Differences	Percent Difference
-11077.19	44.6
-4745.13	11.6
12.27	-42.3
-0.010	47.7
-207.04	9.9
-324.85	17.2
-207.04	9.9
-317.91	16.7
-198.67	9.3
-8253.66	38.2
-13399.76	33.5
2.88	-10.3
-0.009	36.4
-391.35	20.4
-591.70	35.9
-391.35	20.4
-585.34	35.2
-387.32	19.9

		2007		2005		1986		1982		1976	
		Slope	R ² Value	Slope	R ² Value	Slope	R ² Value	Slope	R ² Value	Slope	R ² Value
Cross Section (1)	-40 - -30					0.0395	0.992	0.0588	0.997		
	-30 - -20	0.0273	0.8318	0.1143	1	0.0151	0.6799	0.0103	0.2477	0.1222	1
	-20 - -10	0.0095	0.7151	0.0176	0.9293	0.0405	0.928	0.0495	0.9912	0.018	0.9629
	-10 - 0	0.0167	0.956	0.0125	0.9388	0.0132	0.9801	0.011	0.9254	0.0198	0.9818
	0 - 10	0.011	0.7111	-0.0065	0.4544	0.0145	0.5437	0.0256	0.9843	0.0283	0.9339
Cross Section (2)	-40 - -30					0.0467	0.8938	0.0641	1		
	-30 - -20	0.053	0.9574	0.0481	0.9766	0.0237	0.9422	0.0665	0.9999	0.0257	0.7892
	-20 - -10	0.0087	0.7918	0.0123	0.949	0.0396	0.9626	0.0199	0.911	0.0217	0.8676
	-10 - 0	0.0246	0.9281	0.0183	0.939	0.0276	0.982	0.0291	0.9606	0.0343	0.9928
	0 - 10	0.0141	0.7567	-0.0007	0.0021	0.0053	0.492	-0.0054	0.6252	0.0262	0.9319

		2007	2005	1986	1982	1976
		Slope	Slope	Slope	Slope	Slope
Cross Section (1)	-40 - -30			0.0395	0.0588	
	-30 - -20	0.0273	0.1143			0.1222
	-20 - -10		0.0176	0.0405	0.0495	0.018
	-10 - 0	0.0167	0.0125	0.0132	0.011	0.0198
	0 - 10				0.0256	0.0283
Cross Section (2)	-40 - -30			0.0467	0.0641	
	-30 - -20	0.053	0.0481	0.0237	0.0665	
	-20 - -10		0.0123	0.0396	0.0199	0.0217
	-10 - 0	0.0246	0.0183	0.0276	0.0291	0.0343
	0 - 10					0.0262

		Average	Std. Deviation	Average	Std. Deviation	Diff. in Slope	% Difference	Change / Normal Dev.
Cross Section (1)	-40 - -30	#DIV/0!	#DIV/0!	0.0492	0.0136	#DIV/0!	#DIV/0!	#DIV/0!
	-30 - -20	0.0708	0.0615	0.1222	#DIV/0!	-5.14	-53.26	#DIV/0!
	-20 - -10	0.0176	#DIV/0!	0.0360	0.0162	-1.84	-68.66	-1.13
	-10 - 0	0.0146	0.0030	0.0147	0.0046	-0.01	-0.46	-0.01
	0 - 10	#DIV/0!	#DIV/0!	0.0270	0.0019	#DIV/0!	#DIV/0!	#DIV/0!
Cross Section (2)	-40 - -30	#DIV/0!	#DIV/0!	0.0554	0.0123	#DIV/0!	#DIV/0!	#DIV/0!
	-30 - -20	0.0506	0.0035	0.0451	0.0303	0.55	11.40	0.18
	-20 - -10	0.0123	#DIV/0!	0.0271	0.0109	-1.48	-75.02	-1.36
	-10 - 0	0.0215	0.0045	0.0303	0.0035	-0.89	-34.31	-2.53
	0 - 10	#DIV/0!	#DIV/0!	0.0262	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

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Taking all data in account (30 years)

		2007	2005	1986	1982	1976	Average	Standard Deviation
Cross Section (1)	Area/below 0	24060.23	23548.57	15411.20	15927.30	12817.27	15294.09	5117.35
	Area/below 10	43127.94	73791.75	41948.44	35435.54	47864.41	48433.62	14853.59
	Depth	-31.00	-31.61	-27.97	-25.97	-25.06	-28.32	2.93
	Slope	-0.018	-0.019	-0.022	-0.023	-0.018	-0.020	0.00
	Width	3239.83	3980.52	4236.30	4185.01	4103.67	3949.07	408.07
	Width/below 0	1835.42	1762.69	1423.42	1368.11	1496.21	1577.17	209.17
	Width/below10	2254.82	3980.52	4236.30	2369.16	4103.67	3388.89	988.05
	Wetted Perm./0	1843.80	1775.59	1427.00	1374.71	1499.69	1584.16	211.99
	Wetted Perm./10	2266.91	4033.82	4249.50	2379.59	4122.79	3410.52	996.29
	Area/below 0	24814.10	23100.08	13967.03	13762.27	13372.90	14836.06	5654.26
Cross Section (2)	Area/below 10	41412.95	40007.94	38483.92	30538.18	46102.99	39309.20	5671.89
	Depth	-27.54	-27.62	-25.57	-29.63	-25.66	-27.20	1.67
	Slope	-0.022	-0.021	-0.027	-0.034	-0.024	-0.025	0.01
	Width	3303.37	3963.29	4165.78	4146.03	4049.62	3925.62	357.16
	Width/below 0	1602.17	1535.92	1157.77	1057.88	1196.27	1310.00	242.94
	Width/below10	2115.48	1833.49	4165.78	2383.58	4049.62	2909.59	1111.64
	Wetted Perm./0	1608.36	1541.08	1161.61	1061.56	1199.50	1314.42	244.07
	Wetted Perm./10	2126.65	1849.20	4179.28	2388.35	4067.74	2922.24	1113.75
	Area/below 0	21961.51	24044.89	17039.51	12378.66	13125.74	17598.30	5198.42
	Area/below 10	37445.47	69769.09	40620.05	27552.76	44592.65	43433.34	15726.53
Cross Section (3)	Depth	-29.63	-28.43	-29.77	-23.57	-24.85	-27.67	2.86
	Slope	-0.025	-0.024	-0.039	-0.028	-0.026	-0.030	0.01
	Width	3386.20	3943.26	4113.17	4130.04	4015.34	3950.20	306.58
	Width/below 0	1366.65	1504.93	1022.83	941.06	1105.36	1160.61	238.46
	Width/below10	1984.93	3943.26	4113.17	2433.76	4015.34	3433.94	1008.28
	Wetted Perm./0	1381.54	1511.36	1026.23	944.85	1109.02	1166.54	241.52
	Wetted Perm./10	2006.75	3992.18	4126.73	2438.72	4033.60	3454.12	1014.05

	Area/below 0	23735.43	23381.92	15363.70	11965.51	15339.66	14964.37	5298.44
	Area/below 10	39838.13	39972.61	39073.97	25544.85	45736.92	31694.41	7473.43
	Depth	-26.80	-27.14	-28.96	-21.35	-28.07	-22.05	2.98
	Slope	-0.032	-0.026	-0.036	-0.024	-0.033	-0.025	0.00
Cross Section (4)	Width	3440.39	3914.84	4069.15	4114.03	4010.60	3258.17	272.78
	Width/below 0	1418.62	1405.89	1053.59	990.89	934.18	967.19	233.59
	Width/below10	1920.50	1889.28	4069.15	2033.27	4010.60	2320.46	1147.38
	Wetted Perm./0	1424.88	1412.11	1056.11	993.89	939.82	971.13	234.76
	Wetted Perm./10	1929.27	1912.44	4081.96	2037.54	4031.94	2332.19	1149.82
	Area/below 0	24325.92	22958.58	15228.95	12422.18	16919.22	15309.14	5095.97
	Area/below 10	40447.09	39060.53	38674.73	25218.89	31511.57	29152.13	6471.09
	Depth	-25.59	-25.23	-28.97	-25.04	-25.04	-21.64	1.69
	Slope	-0.026	-0.030	-0.039	-0.030	-0.029	-0.026	0.00
Cross Section (5)	Width	3517.95	3887.70	4042.21	4108.47	3982.11	3256.41	232.51
	Width/below 0	1430.30	1391.85	995.03	1052.04	1155.71	1004.16	197.22
	Width/below10	1896.69	1953.93	4042.21	1550.63	3982.11	2237.60	1221.39
	Wetted Perm./0	1438.54	1399.10	998.06	1055.37	1159.63	1008.45	199.60
	Wetted Perm./10	1908.42	1979.99	4055.73	1554.82	4001.59	2250.09	1223.58
	Area/below 0	25010.93	25975.67	16815.11	14140.72	18141.77	16680.70	5214.03
	Area/below 10	41283.20	69449.48	41293.99	25948.41	49523.54	37916.44	15870.60
	Depth	-25.71	-25.23	-25.98	-21.09	-22.38	-20.06	2.21
	Slope	-0.024	-0.024	-0.041	-0.036	-0.025	-0.025	0.01
Cross Section (6)	Width	3597.93	3848.97	3995.01	4056.15	3940.97	3239.84	179.02
	Width/below 0	1511.16	1467.46	1039.31	1002.50	1135.88	1026.05	241.04
	Width/below10	2090.60	3848.97	3995.01	1572.03	3940.97	2574.60	1164.28
	Wetted Perm./0	1516.01	1481.02	1041.48	1004.38	1138.42	1030.22	244.67
	Wetted Perm./10	2099.06	3899.70	4007.99	1574.94	3959.77	2590.24	1175.85

Years 1986-1976 (Before Weirs were built)

		Average	Standard Deviation
Cross Section (1)	Area/below 0	14718.59	1666.69
	Area/below 10	41749.46	6216.82
	Depth	-26.33	1.49
	Slope	-0.021	0.00
	Width	4174.99	66.88
	Width/below 0	1429.25	64.25
	Width/below10	3569.71	1041.82
	Wetted Perm./0	1433.80	62.77
	Wetted Perm./10	3583.96	1044.94
Cross Section (2)	Area/below 0	13700.73	301.81
	Area/below 10	38375.03	7782.98
	Depth	-26.95	2.32
	Slope	-0.028	0.01
	Width	4120.48	62.15
	Width/below 0	1137.31	71.43
	Width/below10	3532.99	997.12
	Wetted Perm./0	1140.89	71.27
	Wetted Perm./10	3545.12	1003.35
Cross Section (3)	Area/below 0	8501.47	528.27
	Area/below 10	24048.47	12049.02
	Depth	-16.14	0.90
	Slope	-0.018	0.00
	Width	2715.13	81.11
	Width/below 0	682.14	116.18
	Width/below10	2149.70	1118.35
	Wetted Perm./0	684.62	116.08
	Wetted Perm./10	2157.44	1127.75

Cross Section (4)	Area/below 0	14222.96	1955.04
	Area/below 10	36785.25	10288.76
	Depth	-26.13	4.16
	Slope	-0.031	0.01
	Width	4064.59	51.86
	Width/below 0	992.89	59.73
	Width/below10	3371.00	1158.88
	Wetted Perm./0	996.60	58.19
	Wetted Perm./10	3383.81	1166.17
Cross Section (5)	Area/below 0	14856.78	2271.50
	Area/below 10	31801.73	6732.61
	Depth	-26.35	2.27
	Slope	-0.033	0.01
	Width	4044.26	63.20
	Width/below 0	1067.59	81.46
	Width/below10	3191.65	1421.48
	Wetted Perm./0	1071.02	81.92
	Wetted Perm./10	3204.05	1428.53
Cross Section (6)	Area/below 0	16365.87	2038.01
	Area/below 10	38921.98	11965.22
	Depth	-23.15	2.54
	Slope	-0.034	0.01
	Width	3997.37	57.63
	Width/below 0	1059.23	68.89
	Width/below10	3169.33	1383.57
	Wetted Perm./0	1061.43	69.21
	Wetted Perm./10	3180.90	1391.01

Only 2007 and 2005 (After Weirs were built)

Before and after

		Average	Standard Deviation		
Cross Section (1)	Area/below 0	23804.40	13745.86	Differences	Percent Difference
	Area/below 10	58459.84	21682.59	9085.81	47.2
	Depth	-31.31	0.43	16710.38	33.4
	Slope	-0.019	0.00	-4.97	-17.3
	Width	3610.18	523.75	0.00	-13.4
	Width/below 0	1799.05	51.42	-564.82	14.5
	Width/below10	3117.67	1220.25	369.81	22.9
	Wetted Perm./0	1809.70	48.23	-452.04	13.5
	Wetted Perm./10	3150.37	1249.40	375.89	23.2
Cross Section (2)	Area/below 0	23957.09	13858.16	-433.59	12.9
	Area/below 10	40710.44	993.50	10256.36	54.5
	Depth	-27.58	0.06	2335.41	5.9
	Slope	-0.021	0.00	-0.63	-2.3
	Width	3633.33	466.63	0.01	-26.5
	Width/below 0	1569.04	46.84	-487.15	12.6
	Width/below10	1974.49	199.40	431.74	31.9
	Wetted Perm./0	1574.72	47.58	-1558.51	56.6
	Wetted Perm./10	1987.92	196.19	433.83	32.0
Cross Section (3)	Area/below 0	20542.20	4953.55	-1557.20	56.3
	Area/below 10	55194.57	20611.48	12040.73	82.9
	Depth	-29.10	0.95	31146.10	78.6
	Slope	-0.031	0.01	-12.96	-57.3
	Width	4028.22	120.15	-0.01	-53.9
	Width/below 0	1263.88	340.90	1313.09	38.9
	Width/below10	4028.22	120.15	581.74	59.8
	Wetted Perm./0	1268.79	343.04	1878.52	60.8
	Wetted Perm./10	4059.46	95.14	584.17	59.8
			1902.01	61.2	

Cross Section (4)	Area/below 0	23558.68	13602.76
	Area/below 10	39905.37	23039.47
	Depth	-26.97	15.57
	Slope	-0.029	0.02
	Width	3677.61	2136.48
	Width/below 0	1412.25	815.39
	Width/below10	1904.89	1099.90
	Wetted Perm./0	1418.50	818.99
	Wetted Perm./10	1920.86	1109.04
Cross Section (5)	Area/below 0	23642.25	13666.97
	Area/below 10	39753.81	22962.34
	Depth	-25.41	14.67
	Slope	-0.028	0.02
	Width	3702.83	2145.81
	Width/below 0	1411.08	814.91
	Width/below10	1925.31	1111.95
	Wetted Perm./0	1418.82	819.39
	Wetted Perm./10	1944.21	1123.06
Cross Section (6)	Area/below 0	25493.30	14726.47
	Area/below 10	55366.34	34930.58
	Depth	-25.47	14.71
	Slope	-0.024	0.01
	Width	3723.45	2153.40
	Width/below 0	1489.31	860.13
	Width/below10	2969.79	1926.87
	Wetted Perm./0	1498.52	865.35
	Wetted Perm./10	2999.38	1951.75

9335.72	49.4
3120.12	8.1
-0.84	-3.2
0.00	-6.1
-386.98	10.0
419.36	34.9
-1466.12	55.6
421.89	34.9
-1462.96	55.2
8785.47	45.6
7952.08	22.2
0.94	-3.6
0.00	-14.5
-341.44	8.8
343.48	27.7
-1266.34	49.5
347.80	27.9
-1259.84	48.9
9127.44	43.6
16444.36	34.9
-2.32	-9.5
0.01	-34.4
-273.92	7.1
430.08	33.8
-199.55	6.5
437.09	34.1
-181.52	5.9

		2007		2005		1986		1982		1976	
		Slope	R ² Value	Slope	R ² Value	Slope	R ² Value	Slope	R ² Value	Slope	R ² Value
Cross Section (1)	-40 - -30	-0.0078	0.2574	-0.0228	0.9461						
	-30 - -20	-0.0241	0.7355	-0.0337	0.9314	-0.0282	0.9794	-0.0333	0.8929	-0.0308	0.9747
	-20 - -10	-0.0129	0.8667	-0.015	0.9415	-0.0494	0.9847	-0.0244	0.8422	-0.0338	0.9929
	-10 - 0	-0.0088	0.8283	-0.0113	0.8151	-0.0116	0.9667	-0.0179	0.8897	-0.0097	0.8189
	0 - 10	-0.0342	0.7496	0.0056	0.3301	-0.0026	0.4772	-0.0079	0.8653	-0.0021	0.4258
Cross Section (2)	-30 - -20	-0.0218	0.8363	-0.0183	0.6408	-0.0359	0.9724	-0.0291	0.8707	-0.0223	0.9393
	-20 - -10	-0.167	0.8185	-0.0163	0.955	-0.0289	0.9501	-0.0498	0.9933	-0.0368	0.9735
	-10 - 0	-0.0154	0.6626	-0.0165	0.7136	-0.0208	0.9611	-0.028	0.9458	-0.0181	0.9046
	0 - 10	-0.024	0.5131	-0.0347	0.992	-0.0019	0.345	-0.0061	0.8979	-0.002	0.449
Cross Section (3)	-30 - -20	-0.0268	0.9083	-0.009	0.3412	-0.033	0.995	-0.0285	1	-0.011	0.414
	-20 - -10	-0.0147	0.9289	-0.0196	0.8529	-0.0464	0.9858	-0.0166	0.6705	-0.0589	0.9959
	-10 - 0	-0.0256	0.9649	-0.0258	0.9754	-0.0473	0.9269	-0.0323	0.986	-0.0175	0.9555
	0 - 10	-0.033	0.949	0.0046	0.215	-0.0017	0.3171	-0.0045	0.6371	-0.0017	0.3654
Cross Section (4)	-30 - -20	-0.059	0.965	-0.0212	0.9463	-0.0457	0.9431	-0.036	0.9559	-0.0187	0.8485
	-20 - -10	-0.0211	0.9619	-0.0173	0.7932	-0.0316	0.9847	-0.0129	0.6621	-0.0491	0.9984
	-10 - 0	-0.033	0.9635	-0.036	0.9712	-0.0411	0.9587	-0.0361	0.9987	-0.0413	0.9867
	0 - 10	-0.0312	0.9708	-0.021	0.9715	-0.0015	0.2341	-0.0092	0.9329	-0.0013	0.2606
Cross Section (5)	-30 - -20	-0.0108	0.5653	-0.0186	0.9338	-0.0378	0.963	-0.0938	0.9624	-0.0173	0.8444
	-20 - -10	-0.0252	0.9129	-0.0299	0.9661	-0.0422	0.9957	-0.0229	0.8541	-0.0428	0.974
	-10 - 0	-0.0396	0.9809	-0.0406	0.9788	-0.0385	0.9977	-0.0243	0.8734	-0.0279	0.9646
	0 - 10	-0.0311	0.9218	-0.0194	0.9176	-0.0009	0.0964	-0.0228	0.9766	-0.001	0.1746
Cross Section (6)	-30 - -20	-0.011	0.7408	-0.0073	0.6539	-0.0295	0.9899	-0.024	1	-0.0144	0.9632
	-20 - -10	-0.0208	0.9604	-0.0267	0.9309	-0.0462	0.9859	-0.0287	0.9853	-0.0178	0.8063
	-10 - 0	-0.0412	0.9918	-0.0456	0.9785	-0.0477	0.9879	-0.486	0.8561	-0.549	0.9818
	0 - 10	-0.0236	0.7039	0.0041	0.2616	-0.0008	0.081	-0.0155	0.7012	-0.0012	0.2337

		2007	2005	1986	1982	1976
		Slope	Slope	Slope	Slope	Slope
Cross Section (1)	-40 - -30		-0.0228			
	-30 - -20		-0.0337	-0.0282	-0.0333	-0.0308
	-20 - -10	-0.0129	-0.015	-0.0494	-0.0244	-0.0338
	-10 - 0	-0.0088	-0.0113	-0.0116	-0.0179	-0.0097
	0 - 10				-0.0079	
Cross Section (2)	-30 - -20	-0.0218		-0.0359	-0.0291	-0.0223
	-20 - -10	-0.167	-0.0163	-0.0289	-0.0498	-0.0368
	-10 - 0			-0.0208	-0.028	-0.0181
	0 - 10		-0.0347		-0.0061	
Cross Section (3)	-30 - -20	-0.0268		-0.033	-0.0285	
	-20 - -10	-0.0147	-0.0196	-0.0464		-0.0589
	-10 - 0	-0.0256	-0.0258	-0.0473	-0.0323	-0.0175
	0 - 10	-0.033				
Cross Section (4)	-30 - -20	-0.059	-0.0212	-0.0457	-0.036	-0.0187
	-20 - -10	-0.0211		-0.0316		-0.0491
	-10 - 0	-0.033	-0.036	-0.0411	-0.0361	-0.0413
	0 - 10	-0.0312	-0.021		-0.0092	
Cross Section (5)	-30 - -20		-0.0186	-0.0378	-0.0938	-0.0173
	-20 - -10	-0.0252	-0.0299	-0.0422	-0.0229	-0.0428
	-10 - 0	-0.0396	-0.0406	-0.0385	-0.0243	-0.0279
	0 - 10	-0.0311	-0.0194		-0.0228	
Cross Section (6)	-30 - -20			-0.0295	-0.024	-0.0144
	-20 - -10	-0.0208	-0.0267	-0.0462	-0.0287	-0.0178
	-10 - 0	-0.0412	-0.0456	-0.0477	-0.486	-0.549
	0 - 10					

Bird's Point

Taking all data in account (30 years)

		2007	2005	1986	1982	1976	Average	Standard Deviation
Cross Section (1)	Area/below 0	20757.84	19099.07	17109.18	17833.22	16834.46	18326.75	1617.07
	Area/below 10	34601.77	32817.85	32465.53	29351.69	32157.32	32278.83	1891.05
	Depth	-30.50	-32.33	-36.74	-40.50	-34.14	-34.84	3.91
	Slope	0.025	0.029	0.040	0.066	0.035	0.039	0.02
	Width	1646.91	1663.76	1626.99	1667.56	1618.31	1644.70	21.80
	Width/below 0	1344.85	1213.90	1097.90	771.02	1160.82	1117.70	214.06
	Width/below10	1419.90	1599.90	1626.99	1206.75	1618.31	1494.37	181.90
	Wetted Perm./0	1354.03	1222.15	1107.45	780.90	1164.93	1125.89	213.42
	Wetted Perm./10	1431.83	1616.14	1650.19	1214.56	1637.11	1509.96	187.40
	Area/below 0	22256.76	19883.88	17182.42	18777.90	18546.37	19329.47	1897.61
Cross Section (2)	Area/below 10	35507.22	32896.64	34062.66	27592.95	35005.82	33013.06	3189.23
	Depth	-35.87	-34.55	-36.03	-42.82	-36.28	-37.11	3.26
	Slope	0.031	0.035	0.052	0.068	0.036	0.044	0.02
	Width	1803.84	1842.90	1818.14	1827.90	1783.06	1815.17	22.91
	Width/below 0	1294.81	1150.72	1198.66	727.73	1077.11	1089.81	217.28
	Width/below10	1353.66	1443.31	1818.14	1030.96	1783.06	1485.83	325.94
	Wetted Perm./0	1304.40	1156.65	1204.09	737.48	1083.90	1097.31	216.49
	Wetted Perm./10	1366.48	1453.60	1836.31	1043.09	1803.25	1500.55	329.32
	Area/below 0	23165.29	35346.67	19141.25	20509.23	19939.41	23620.37	6726.89
	Area/below 10	36353.20	32764.96	36233.55	30631.55	27006.03	32597.86	3952.33
Cross Section (3)	Depth	-29.04	-34.40	-34.99	-39.33	-33.58	-34.27	3.67
	Slope	0.024	0.040	0.044	0.057	0.034	0.040	0.01
	Width	1885.89	1934.81	1914.22	1934.81	1861.51	1906.25	32.06
	Width/below 0	1271.44	1355.54	975.84	851.08	1021.80	1095.14	210.99
	Width/below10	1294.33	1399.95	1914.22	1209.55	1861.51	1535.91	328.82
	Wetted Perm./0	1280.93	1367.24	980.27	856.87	1028.72	1102.80	213.68
	Wetted Perm./10	1305.90	1406.73	1930.77	1216.97	1880.11	1548.10	333.53

Cross Section (4)

Area/below 0	21500.65	20665.33	21695.64	22349.83	18886.36	21019.56	1335.50
Area/below 10	22587.51	35960.13	39441.55	33764.70	35124.41	33375.66	6384.91
Depth	-23.96	-37.45	-31.27	-30.77	-25.47	-29.78	5.35
Slope	0.030	0.053	0.062	0.040	0.027	0.042	0.01
Width	2024.51	2070.01	2045.01	2062.60	2005.59	2041.54	26.69
Width/below 0	1386.31	1199.45	1063.61	1005.80	1097.31	1150.50	149.43
Width/below10	1439.14	2070.01	2045.01	1274.74	2005.59	1766.90	379.42
Wetted Perm./0	1391.87	1208.59	1067.71	1010.94	1102.69	1156.36	150.07
Wetted Perm./10	3346.55	2092.30	2062.67	1282.04	2019.68	2160.65	743.72

Years 1986-1976 (Before Weirs were built)

		Average	Standard Deviation
Cross Section (1)	Area/below 0	17258.95	515.95
	Area/below 10	31324.85	1715.74
	Depth	-37.13	3.20
	Slope	0.047	0.02
	Width	1637.62	26.29
	Width/below 0	1009.91	209.27
	Width/below10	1484.02	240.16
	Wetted Perm./0	1017.76	207.13
	Wetted Perm./10	1500.62	247.82
Cross Section (2)	Area/below 0	18168.90	862.13
	Area/below 10	32220.47	4035.21
	Depth	-38.38	3.85
	Slope	0.052	0.02
	Width	1809.70	23.58
	Width/below 0	1001.16	244.48
	Width/below10	1544.05	444.70
	Wetted Perm./0	1008.49	242.27
	Wetted Perm./10	1560.88	448.72
Cross Section (3)	Area/below 0	19863.30	687.16
	Area/below 10	31290.38	4648.90
	Depth	-35.97	2.99
	Slope	0.045	0.01
	Width	1903.51	37.81
	Width/below 0	949.57	88.34
	Width/below10	1661.76	392.51
	Wetted Perm./0	955.28	88.61
	Wetted Perm./10	1675.95	398.29

Cross Section (4)	Area/below 0	20977.28	1840.10
	Area/below 10	36110.22	2964.04
	Depth	-29.17	3.21
	Slope	0.043	0.02
	Width	2037.73	29.20
	Width/below 0	1055.57	46.28
	Width/below10	1775.11	433.78
	Wetted Perm./0	1060.45	46.31
	Wetted Perm./10	1788.13	438.81

Only 2007 and 2005 (After Weirs were built)

Before and after

		Average	Standard Deviation
Cross Section (1)	Area/below 0	19928.45	1172.92
	Area/below 10	33709.81	1261.42
	Depth	-31.41	1.29
	Slope	0.027	0.00
	Width	1655.33	11.92
	Width/below 0	1279.38	92.60
	Width/below10	1509.90	127.28
	Wetted Perm./0	1288.09	93.25
	Wetted Perm./10	1523.98	130.33
	Cross Section (2)	Area/below 0	21070.32
Area/below 10		34201.93	1845.96
Depth		-35.21	0.93
Slope		0.033	0.00
Width		1823.37	27.62
Width/below 0		1222.77	101.89
Width/below10		1398.48	63.39
Wetted Perm./0		1230.53	104.47
Wetted Perm./10		1410.04	61.60
Cross Section (3)		Area/below 0	29255.98
	Area/below 10	34559.08	2537.27
	Depth	-31.72	3.79
	Slope	0.032	0.01
	Width	1910.35	34.59
	Width/below 0	1313.49	59.46
	Width/below10	1347.14	74.68
	Wetted Perm./0	1324.08	61.03
	Wetted Perm./10	1356.32	71.30

Differences	Percent Difference
2669.50	14.4
2384.96	7.3
5.71	-16.7
-0.020	53.4
17.72	1.1
269.46	23.5
25.88	1.7
270.33	23.4
23.36	1.5
2901.42	14.8
1981.46	6.0
3.17	-8.6
-0.019	44.9
13.67	0.8
221.60	19.9
-145.57	9.9
222.03	19.8
-150.84	10.2
9392.69	38.2
3268.70	9.9
4.25	-12.6
-0.013	33.6
6.84	0.4
363.92	32.2
-314.62	20.9
368.80	32.4
-319.64	21.1

Cross Section (4)	Area/below 0	21082.99	590.65
	Area/below 10	29273.82	9455.87
	Depth	-30.71	9.54
	Slope	0.042	0.02
	Width	2047.26	32.17
	Width/below 0	1292.88	132.13
	Width/below10	1754.57	446.09
	Wetted Perm./0	1300.23	129.60
	Wetted Perm./10	2719.43	886.88

105.71	0.5
-6836.40	20.9
-1.54	-5.1
-0.001	2.2
9.52	0.5
237.30	20.2
-20.54	1.2
239.78	20.3
931.30	41.3

		2007		2005		1986		1982		1976	
		Slope	R2 Value	Slope	R2 Value	Slope	R2 Value	Slope	R2 Value	Slope	R2 Value
Cross Section (1)	-50 - -40							0.0586	1		
	-40 - -30	0.0703	0.9999	0.0262	0.7168	0.0302	0.6773	0.0641	0.9995	0.0459	0.8844
	-30 - -20	0.0313	0.9361	0.0301	0.9695	0.0803	1	0.0491	0.892	0.0488	0.9774
	-20 - -10	0.0123	0.8717	0.0298	0.9697	0.0233	0.7866	0.0689	0.9916	0.0353	0.9576
	-10 - 0	-0.0007	0.0033	0.0211	0.9035	0.0335	0.9663	0.0851	0.9961	0.0231	0.9637
	0 - 10	0.2266	0.9994	0.0641	0.9792	0.0123	0.5128	0.0585	0.9976	0.0213	0.4807
Cross Section (2)	-50 - -40							0.1419	1		
	-40 - -30	0.0288	0.9479	0.0169	0.8106	0.0715	0.9961	0.0805	0.9623	0.0442	1
	-30 - -20	0.0705	0.9842	0.0437	0.9399	0.0492	0.9916	0.0237	0.717	0.0451	0.9652
	-20 - -10	0.0143	0.7955	0.0402	0.9777	0.0531	0.9937	0.0888	1	0.0248	0.9439
	-10 - 0	0.0149	0.4252	0.0268	0.9838	0.05	0.9778	0.1259	0.9936	0.03	0.9715
	0 - 10	0.2794	1	0.0389	0.9641	0.0098	0.4099	0.0404	0.9444	0.0188	0.5156
Cross Section (3)	-40 - -30			0.0101	0.4815	0.0463	1	0.0556	1	0.0216	0.9426
	-30 - -20	0.014	0.714	0.0643	0.981	0.0281	0.9418	0.0261	0.9548	0.0247	0.9971
	-20 - -10	0.0258	0.9593	0.0517	0.997	0.0522	0.9855	0.1085	1	0.0562	0.9604
	-10 - 0	0.0087	0.228	0.0337	0.9603	0.0639	0.9887	0.0914	0.9876	0.0217	0.4295
	0 - 10	0.2706	1	0.0394	0.9659	0.0085	0.3244	0.0333	0.9088	0.0204	0.7285
Cross Section (4)	-40 - -30			0.0943	0.9922	0.1237	1	0.0571	1		
	-30 - -20	0.0211	0.8172	0.0506	0.9947	0.0906	0.9578	0.0141	0.8078	0.0068	0.534
	-20 - -10	0.0347	0.9549	0.0639	0.9954	0.0272	0.7943	0.1002	0.9998	0.0362	0.9555
	-10 - 0	0.0224	0.5966	0.0321	0.9703	0.093	0.9993	0.0775	0.9918	0.0444	0.6504
	0 - 10	0.3118	0.9868	0.0274	0.7667	0.0101	0.4722	0.0513	0.9753	0.0187	0.7389

		2007	2005	1986	1982	1976
		Slope	Slope	Slope	Slope	Slope
Cross Section (1)	-50 - -40				0.0586	
	-40 - -30	0.0703			0.0641	0.0459
	-30 - -20	0.0313	0.0301	0.0803	0.0491	0.0488
	-20 - -10	0.0123	0.0298		0.0689	0.0353
	-10 - 0		0.0211	0.0335	0.0851	0.0231
	0 - 10	0.2266	0.0641		0.0585	
Cross Section (2)	-50 - -40				0.1419	
	-40 - -30	0.0288	0.0169	0.0715	0.0805	0.0442
	-30 - -20	0.0705	0.0437	0.0492		0.0451
	-20 - -10		0.0402	0.0531	0.0888	0.0248
	-10 - 0		0.0268	0.05	0.1259	0.03
	0 - 10	0.2794	0.0389		0.0404	
Cross Section (3)	-40 - -30			0.0463	0.0556	0.0216
	-30 - -20		0.0643	0.0281	0.0261	0.0247
	-20 - -10	0.0258	0.0517	0.0522	0.1085	0.0562
	-10 - 0		0.0337	0.0639	0.0914	
	0 - 10	0.2706	0.0394		0.0333	
Cross Section (4)	-40 - -30		0.0943	0.1237	0.0571	
	-30 - -20	0.0211	0.0506	0.0906	0.0141	
	-20 - -10	0.0347	0.0639		0.1002	0.0362
	-10 - 0		0.0321	0.093	0.0775	
	0 - 10	0.3118			0.0513	

		Average	Std. Deviation	Average	Std. Deviation	Diff. in Slope	% Difference	Change / Normal Dev.
Cross Section (1)	-50 - -40	#DIV/0!	#DIV/0!	0.0586	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-40 - -30	0.0703	#DIV/0!	0.0550	0.0129	1.53	24.42	1.19
	-30 - -20	0.0307	0.0008	0.0594	0.0181	-2.87	-63.71	-1.59
	-20 - -10	0.0211	0.0124	0.0521	0.0238	-3.11	-84.89	-1.31
	-10 - 0	0.0211	#DIV/0!	0.0472	0.0332	-2.61	-76.49	-0.79
	0 - 10	0.1454	0.1149	0.0585	#DIV/0!	8.69	85.21	#DIV/0!
Cross Section (2)	-50 - -40	#DIV/0!	#DIV/0!	0.1419	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-40 - -30	0.0229	0.0084	0.0654	0.0189	-4.26	-96.43	-2.25
	-30 - -20	0.0571	0.0190	0.0472	0.0029	1.00	19.09	3.43
	-20 - -10	0.0402	#DIV/0!	0.0556	0.0321	-1.54	-32.09	-0.48
	-10 - 0	0.0268	#DIV/0!	0.0686	0.0506	-4.18	-87.67	-0.83
	0 - 10	0.1592	0.1701	0.0404	#DIV/0!	11.88	119.02	#DIV/0!
Cross Section (3)	-40 - -30	#DIV/0!	#DIV/0!	0.0412	0.0176	#DIV/0!	#DIV/0!	#DIV/0!
	-30 - -20	0.0643	#DIV/0!	0.0263	0.0017	3.80	83.89	22.24
	-20 - -10	0.0388	0.0183	0.0723	0.0314	-3.36	-60.42	-1.07
	-10 - 0	0.0337	#DIV/0!	0.0777	0.0194	-4.40	-78.94	-2.26
	0 - 10	0.1550	0.1635	0.0333	#DIV/0!	12.17	129.26	#DIV/0!
Cross Section (4)	-40 - -30	0.0943	#DIV/0!	0.0904	0.0471	0.39	4.22	0.08
	-30 - -20	0.0359	0.0209	0.0524	0.0541	-1.65	-37.41	-0.31
	-20 - -10	0.0493	0.0206	0.0682	0.0453	-1.89	-32.17	-0.42
	-10 - 0	0.0321	#DIV/0!	0.0853	0.0110	-5.32	-90.58	-4.85
	0 - 10	0.3118	#DIV/0!	0.0513	#DIV/0!	26.05	143.49	#DIV/0!

Cape Bend

Taking all data in account (30 years)

		2007	2005	1986	1982	1976	Average	Standard Deviation
Cross Section (1)	Area/below 0	18265.84	16438.40	14344.60	13022.49	16091.39	13027.12	2016.52
	Area/below 10	31981.45	29727.82	30439.13	27489.61	31585.93	25203.99	1782.60
	Depth	-33.64	-28.04	-34.73	-22.71	-27.43	-24.43	4.92
	Slope	0.030	0.027	0.022	0.023	0.028	0.022	0.00
	Width	2023.14	1514.49	1609.45	1538.96	1586.18	1378.70	209.49
	Width/below 0	1181.31	1102.44	1609.45	1107.35	1029.90	1005.07	231.76
	Width/below10	1520.77	1514.49	1609.45	1538.96	1586.18	1294.98	41.84
	Wetted Perm./0	1193.66	1121.85	1622.27	1118.09	1054.62	1018.42	229.06
	Wetted Perm./10	1536.29	1552.86	1642.27	1567.69	1628.71	1321.30	47.16
	Cross Section (2)	Area/below 0	18401.89	16484.26	11670.50	13374.48	16360.93	12715.35
Area/below 10		33791.70	29880.24	26726.50	27470.39	29955.15	24637.33	2764.10
Depth		-32.34	-34.57	-22.31	-27.73	-25.92	-23.81	4.93
Slope		0.033	0.039	0.022	0.027	0.026	0.024	0.01
Width		1920.42	1507.71	1500.51	1479.43	1426.31	1305.73	200.19
Width/below 0		1126.57	1031.64	1284.85	1107.05	1004.25	925.73	109.75
Width/below10		1854.04	1507.71	1500.51	1479.43	1426.31	1294.67	170.95
Wetted Perm./0		1138.62	1045.22	1291.77	1119.73	1030.73	937.68	104.02
Wetted Perm./10		1871.06	1539.91	1528.30	1509.45	1470.07	1319.80	162.78
Cross Section (3)		Area/below 0	17085.13	15328.61	10903.88	11608.44	16895.32	11970.23
	Area/below 10	32996.63	28645.13	24989.10	24964.27	29043.90	23439.84	3341.85
	Depth	-29.35	-32.68	-23.90	-22.39	-29.32	-22.94	4.26
	Slope	0.032	0.042	0.023	0.031	0.032	0.027	0.01
	Width	1907.97	1483.88	1413.70	1416.73	1267.57	1248.31	242.43
	Width/below 0	1100.66	999.18	1262.41	989.49	1013.70	894.24	114.65
	Width/below10	1869.92	1483.88	1413.70	1416.73	1267.57	1241.97	226.41
	Wetted Perm./0	1108.43	1012.42	1266.16	998.46	1030.81	902.71	110.73
	Wetted Perm./10	1882.12	1519.09	1437.03	1441.74	1301.89	1263.64	218.89

Cross Section (4)	Area/below 0	17187.68	15975.89	12984.86	13468.42	17763.68	12896.76	2159.25
	Area/below 10	33297.58	29200.31	25653.16	26513.68	28424.91	23848.27	2978.81
	Depth	-29.30	-28.53	-27.74	-30.68	-29.16	-24.24	1.08
	Slope	0.036	0.039	0.027	0.036	0.032	0.028	0.00
	Width	1877.30	1481.36	1272.34	1405.19	1070.02	1184.37	298.91
	Width/below 0	1164.17	950.33	1155.35	978.64	1042.55	881.84	98.59
	Width/below10	1844.78	1481.36	1272.34	1405.19	1070.02	1178.95	286.61
	Wetted Perm./0	1171.56	967.09	1162.28	989.48	1049.21	889.94	95.28
	Wetted Perm./10	1856.27	1517.67	1298.21	1429.87	1093.98	1199.33	282.51
	Area/below 0	17251.81	15030.84	12687.15	13373.58	16682.82	12504.37	1993.61
Area/below 10	33528.32	28921.92	23768.76	26165.42	27338.80	23287.20	3643.60	
Depth	-29.50	-26.10	-29.22	-33.02	-30.35	-24.70	2.48	
Slope	0.039	0.032	0.038	0.038	0.034	0.030	0.00	
Cross Section (5)	Width	1810.29	1549.38	1122.63	1379.08	1067.38	1154.79	307.26
	Width/below 0	1114.97	993.90	922.56	993.99	1048.83	845.71	71.71
	Width/below10	1765.50	1549.38	1122.63	1379.08	1067.38	1147.33	292.07
	Wetted Perm./0	1122.84	1005.49	930.33	1002.34	1059.17	853.36	71.75
	Wetted Perm./10	1778.67	1579.28	1148.96	1399.73	1095.90	1167.09	287.68
	Area/below 0	19789.02	15842.12	12635.34	14142.31	15063.98	12912.13	2681.06
	Area/below 10	35942.55	29895.00	21749.39	25690.32	25575.19	23142.07	5401.30
	Depth	-30.96	-24.45	-30.94	-32.97	-28.26	-24.60	3.29
	Slope	0.051	0.036	0.055	0.047	0.036	0.037	0.01
Cross Section (6)	Width	1773.30	1532.14	925.42	1303.44	1061.34	1099.27	344.00
	Width/below 0	1079.91	1092.49	753.13	871.15	956.26	792.16	143.35
	Width/below10	1738.17	1532.14	925.42	1303.44	1061.34	1093.42	332.58
	Wetted Perm./0	1088.05	1106.35	763.93	878.68	969.62	801.11	144.01
	Wetted Perm./10	1751.20	1561.56	954.32	1318.73	1093.40	1113.20	327.15

Cross Section (7)	Area/below 0	19467.36	15019.46	14535.92	15529.86	14044.21	13099.47	2166.79
	Area/below 10	34822.73	21997.73	23090.20	26244.38	24227.24	21730.38	5135.63
	Depth	-30.90	-23.87	-35.08	-32.76	-25.55	-24.69	4.77
	Slope	0.048	0.041	0.062	0.046	0.034	0.039	0.01
	Width	1857.51	1471.82	903.17	1228.43	1033.78	1082.45	378.75
	Width/below 0	1414.45	1018.64	669.86	824.85	932.81	810.10	279.47
	Width/below10	1770.69	1471.82	903.17	1228.43	1033.78	1067.98	347.44
	Wetted Perm./0	1427.25	1029.46	680.26	842.45	942.28	820.28	279.54
	Wetted Perm./10	1785.78	1498.86	932.82	1257.21	1060.98	1089.28	342.44
	Area/below 0	22221.35	17208.85	16686.05	16385.81	17747.91	15041.66	2388.98
Area/below 10	37378.64	29973.53	25449.36	26290.76	28219.86	24552.02	4760.14	
Cross Section (8)	Depth	-31.00	-23.26	-38.44	-35.56	-24.41	-25.45	6.68
	Slope	0.060	0.029	0.057	0.049	0.030	0.038	0.01
	Width	1946.16	1392.38	883.45	1179.57	1059.63	1076.87	409.74
	Width/below 0	1202.46	1102.62	769.28	795.73	995.25	810.89	188.99
	Width/below10	1815.93	1392.38	883.45	1146.76	1059.63	1049.69	361.02
	Wetted Perm./0	1211.57	1124.57	783.24	827.92	1006.71	825.67	184.73
	Wetted Perm./10	1981.20	1430.42	918.44	1189.26	1088.06	1101.23	412.77
	Area/below 0	19825.12	17366.93	17080.82	16228.00	17939.79	14740.11	1344.81
	Area/below 10	33016.07	30264.78	25456.61	25688.53	29289.69	23952.61	3201.72
	Depth	-21.29	-22.28	-33.11	-32.75	-27.98	-22.90	5.59
Cross Section (9)	Slope	0.068	0.033	0.049	0.048	0.038	0.039	0.01
	Width	1707.37	1408.55	837.58	1186.03	1162.17	1050.28	322.37
	Width/below 0	1176.85	1142.33	837.58	885.95	1021.94	844.11	150.47
	Width/below10	1587.52	1408.55	837.58	1056.34	1162.17	1008.69	294.34
	Wetted Perm./0	1184.13	1167.84	853.06	914.58	1045.68	860.88	147.97
	Wetted Perm./10	1597.70	1450.61	873.06	1095.42	1202.80	1036.60	286.86

Cross Section (10)	Area/below 0	21314.49	16345.31	15849.83	14315.15	14180.33	13667.52	2903.94
	Area/below 10	35435.38	30861.86	24930.05	23810.29	27237.69	23712.54	4743.39
	Depth	-20.07	-18.16	-28.05	-30.86	-16.69	-18.97	6.30
	Slope	0.017	0.018	0.036	0.039	0.017	0.021	0.01
	Width	1775.39	1548.72	908.02	1212.08	1342.91	1131.19	329.62
	Width/below 0	1341.31	1253.18	908.02	849.73	1110.33	910.43	212.73
	Width/below10	1630.40	1548.72	908.02	1140.97	1342.91	1095.17	296.14
	Wetted Perm./0	1346.80	1275.56	920.67	869.82	1124.37	922.87	210.47
	Wetted Perm./10	1638.38	1588.17	940.67	1171.32	1373.80	1118.72	291.40
	Cross Section (11)	Area/below 0	20028.47	16186.41	15272.72	13272.13	16608.98	13561.45
Area/below 10		35831.48	32478.27	25520.96	22945.46	30179.18	24492.56	5199.86
Depth		-18.45	-18.16	-27.06	-24.05	-22.99	-18.45	3.81
Slope		0.013	0.014	0.030	0.041	0.024	0.020	0.01
Width		1785.58	1635.47	1024.82	1120.78	1415.01	1163.61	325.19
Width/below 0		1493.69	1409.96	1024.82	830.69	1201.44	993.43	272.54
Width/below10		1701.04	1635.47	1024.82	1120.78	1415.01	1149.52	301.21
Wetted Perm./0		1501.20	1434.36	1038.26	849.26	1209.60	1005.45	271.43
Wetted Perm./10		1712.35	1678.27	1058.26	1151.44	1440.31	1173.44	297.85
Cross Section (12)		Area/below 0	20520.31	16897.61	17794.89	11857.05	20308.90	14563.13
	Area/below 10	37433.89	33214.57	29118.22	21058.79	33987.63	25802.18	6276.68
	Depth	-24.09	-22.62	-32.48	-24.80	-26.56	-21.76	3.83
	Slope	0.016	0.014	0.030	0.038	0.027	0.021	0.01
	Width	1774.98	1633.83	1132.33	950.37	1375.69	1144.53	341.38
	Width/below 0	1618.23	1613.27	1132.33	804.90	1301.83	1078.43	343.68
	Width/below10	1737.42	1633.83	1132.33	950.37	1375.69	1138.27	330.58
	Wetted Perm./0	1626.02	1637.49	1153.80	830.51	1309.88	1092.95	339.64
	Wetted Perm./10	1747.97	1676.09	1173.80	991.50	1401.68	1165.17	322.23

Cross Section (13)	Area/below 0	20166.26	15586.54	16894.87	10846.13	19700.42	13865.70	3759.80
	Area/below 10	36967.41	31878.79	28382.81	21728.77	33942.69	25483.41	5851.61
	Depth	-25.98	-19.43	-31.60	-23.56	-28.63	-21.53	4.67
	Slope	0.017	0.013	0.030	0.029	0.024	0.019	0.01
	Width	1802.66	1631.64	1148.79	1116.42	1425.69	1187.53	298.68
	Width/below 0	1445.18	1608.01	1148.79	1020.86	1392.81	1102.61	235.94
	Width/below10	1719.15	1631.64	1148.79	1116.42	1425.69	1173.62	273.56
	Wetted Perm./0	1453.42	1615.91	1159.89	1027.70	1397.38	1109.05	235.50
	Wetted Perm./10	1731.37	1656.54	1179.89	1137.55	1449.38	1192.46	269.54
	Area/below 0	19123.84	15907.85	14093.61	10879.41	17919.18	12987.31	3257.41
Cross Section (14)	Area/below 10	35563.81	31797.65	27249.91	20749.00	32478.25	24639.77	5756.28
	Depth	-24.02	-21.37	-26.01	-30.35	-25.62	-21.23	3.28
	Slope	0.016	0.016	0.024	0.041	0.023	0.020	0.01
	Width	1766.80	1598.14	1324.82	1084.74	1458.30	1205.47	260.48
	Width/below 0	1600.33	1534.72	1212.40	846.65	1412.39	1101.08	303.67
	Width/below10	1689.20	1598.14	1324.82	1084.74	1458.30	1192.53	237.97
	Wetted Perm./0	1607.37	1543.67	1216.59	856.05	1414.75	1106.40	303.00
	Wetted Perm./10	1699.35	1621.36	1343.91	1106.90	1478.70	1208.37	235.23

Years 1986-1976 (Before Weirs were built)

		Average	Standard Deviation
Cross Section (1)	Area/below 0	14486.16	1539.34
	Area/below 10	29838.22	2113.24
	Depth	-28.29	6.06
	Slope	0.024	0.00
	Width	1578.20	35.92
	Width/below 0	1248.90	314.64
	Width/below10	1578.20	35.92
	Wetted Perm./0	1265.00	311.04
	Wetted Perm./10	1612.89	39.73
Cross Section (2)	Area/below 0	13801.97	2374.26
	Area/below 10	28050.68	1690.74
	Depth	-25.32	2.76
	Slope	0.025	0.00
	Width	1468.75	38.24
	Width/below 0	1132.05	141.96
	Width/below10	1468.75	38.24
	Wetted Perm./0	1147.41	132.70
	Wetted Perm./10	1502.61	29.71
Cross Section (3)	Area/below 0	13135.88	3274.77
	Area/below 10	26332.43	2348.24
	Depth	-25.20	3.65
	Slope	0.029	0.00
	Width	1366.00	85.26
	Width/below 0	1088.54	151.07
	Width/below10	1366.00	85.26
	Wetted Perm./0	1098.48	146.11
	Wetted Perm./10	1393.55	79.42

Cross Section (4)	Area/below 0	14738.99	2630.60
	Area/below 10	26863.92	1418.67
	Depth	-29.19	1.47
	Slope	0.032	0.00
	Width	1249.18	168.78
	Width/below 0	1058.85	89.48
	Width/below10	1249.18	168.78
	Wetted Perm./0	1066.99	87.76
	Wetted Perm./10	1274.02	169.24
Cross Section (5)	Area/below 0	14247.85	2136.49
	Area/below 10	25757.66	1819.62
	Depth	-30.86	1.95
	Slope	0.037	0.00
	Width	1189.70	166.32
	Width/below 0	988.46	63.32
	Width/below10	1189.70	166.32
	Wetted Perm./0	997.28	64.57
	Wetted Perm./10	1214.86	162.28
Cross Section (6)	Area/below 0	13947.21	1226.02
	Area/below 10	24338.30	2242.80
	Depth	-30.73	2.36
	Slope	0.046	0.01
	Width	1096.73	191.48
	Width/below 0	860.18	102.01
	Width/below10	1096.73	191.48
	Wetted Perm./0	870.74	103.07
	Wetted Perm./10	1122.15	183.90

Cross Section (7)	Area/below 0	14703.33	756.84
	Area/below 10	24520.61	1597.42
	Depth	-31.13	4.97
	Slope	0.047	0.01
	Width	1055.12	163.68
	Width/below 0	809.17	132.17
	Width/below10	1055.12	163.68
	Wetted Perm./0	821.66	132.24
	Wetted Perm./10	1083.67	163.38
Cross Section (8)	Area/below 0	16939.92	715.66
	Area/below 10	26653.33	1420.39
	Depth	-32.80	7.41
	Slope	0.045	0.01
	Width	1040.88	148.94
	Width/below 0	853.42	123.54
	Width/below10	1029.95	134.14
	Wetted Perm./0	872.62	118.25
	Wetted Perm./10	1065.25	136.84
Cross Section (9)	Area/below 0	17082.87	855.90
	Area/below 10	26811.61	2149.21
	Depth	-31.28	2.86
	Slope	0.045	0.01
	Width	1061.92	194.66
	Width/below 0	915.16	95.58
	Width/below10	1018.70	165.54
	Wetted Perm./0	937.78	98.38
	Wetted Perm./10	1057.09	168.18

Cross Section (10)	Area/below 0	14781.77	927.42
	Area/below 10	25326.01	1747.67
	Depth	-25.20	7.50
	Slope	0.031	0.01
	Width	1154.34	223.12
	Width/below 0	956.03	136.77
	Width/below10	1130.63	217.63
	Wetted Perm./0	971.62	134.70
	Wetted Perm./10	1161.93	216.71
Cross Section (11)	Area/below 0	15051.28	1679.41
	Area/below 10	26215.20	3666.49
	Depth	-24.70	2.11
	Slope	0.032	0.01
	Width	1186.87	203.32
	Width/below 0	1018.98	185.44
	Width/below10	1186.87	203.32
	Wetted Perm./0	1032.37	180.24
	Wetted Perm./10	1216.67	199.20
Cross Section (12)	Area/below 0	16653.61	4339.97
	Area/below 10	28054.88	6529.68
	Depth	-27.95	4.02
	Slope	0.032	0.01
	Width	1152.80	213.40
	Width/below 0	1079.69	252.61
	Width/below10	1152.80	213.40
	Wetted Perm./0	1098.06	244.50
	Wetted Perm./10	1189.00	205.51

Cross Section (13)	Area/below 0	15813.81	4525.06
	Area/below 10	28018.09	6115.13
	Depth	-27.93	4.07
	Slope	0.028	0.00
	Width	1230.30	169.98
	Width/below 0	1187.49	188.97
	Width/below10	1230.30	169.98
	Wetted Perm./0	1194.99	187.32
	Wetted Perm./10	1255.61	169.14
Cross Section (14)	Area/below 0	14297.40	3524.30
	Area/below 10	26825.72	5876.12
	Depth	-27.32	2.62
	Slope	0.030	0.01
	Width	1289.29	189.30
	Width/below 0	1157.14	286.89
	Width/below10	1289.29	189.30
	Wetted Perm./0	1162.46	283.26
	Wetted Perm./10	1309.84	188.23

Only 2007 and 2005 (After Weirs were built) Before and after

		Average	Standard Deviation	Differences	Percent Difference
Cross Section (1)	Area/below 0	17352.12	1292.20	2865.96	18.0
	Area/below 10	30854.64	1593.56	1016.41	3.3
	Depth	-30.84	3.96	-2.55	-8.6
	Slope	0.029	0.00	0.004	15.3
	Width	1768.81	359.67	190.62	11.4
	Width/below 0	1141.87	55.77	-107.02	9.0
	Width/below10	1517.63	4.44	-60.57	3.9
	Wetted Perm./0	1157.75	50.78	-107.24	8.9
	Wetted Perm./10	1544.57	11.72	-68.32	4.3
Cross Section (2)	Area/below 0	17443.08	1355.96	3641.10	23.3
	Area/below 10	31835.97	2765.82	3785.29	12.6
	Depth	-33.45	1.58	-8.14	-27.7
	Slope	0.036	0.00	0.011	35.7
	Width	1714.06	291.83	245.31	15.4
	Width/below 0	1079.10	67.13	-52.95	4.8
	Width/below10	1680.88	244.90	212.12	13.5
	Wetted Perm./0	1091.92	66.04	-55.49	5.0
	Wetted Perm./10	1705.49	234.16	202.88	12.6
Cross Section (3)	Area/below 0	16206.87	1242.04	3070.99	20.9
	Area/below 10	30820.88	3076.98	4488.46	15.7
	Depth	-31.02	2.35	-5.81	-20.7
	Slope	0.037	0.01	0.008	24.9
	Width	1695.92	299.88	329.92	21.5
	Width/below 0	1049.92	71.75	-38.62	3.6
	Width/below10	1676.90	272.97	310.90	20.4
	Wetted Perm./0	1060.42	67.89	-38.06	3.5
	Wetted Perm./10	1700.61	256.70	307.05	19.8

Only 2007 and 2005 (After Weirs were built) Before and after

		Average	Standard Deviation	Differences	Percent Difference
Cross Section (1)	Area/below 0	17352.12	1292.20	2865.96	18.0
	Area/below 10	30854.64	1593.56	1016.41	3.3
	Depth	-30.84	3.96	-2.55	-8.6
	Slope	0.029	0.00	0.004	15.3
	Width	1768.81	359.67	190.62	11.4
	Width/below 0	1141.87	55.77	-107.02	9.0
	Width/below10	1517.63	4.44	-60.57	3.9
	Wetted Perm./0	1157.75	50.78	-107.24	8.9
	Wetted Perm./10	1544.57	11.72	-68.32	4.3
Cross Section (2)	Area/below 0	17443.08	1355.96	3641.10	23.3
	Area/below 10	31835.97	2765.82	3785.29	12.6
	Depth	-33.45	1.58	-8.14	-27.7
	Slope	0.036	0.00	0.011	35.7
	Width	1714.06	291.83	245.31	15.4
	Width/below 0	1079.10	67.13	-52.95	4.8
	Width/below10	1680.88	244.90	212.12	13.5
	Wetted Perm./0	1091.92	66.04	-55.49	5.0
	Wetted Perm./10	1705.49	234.16	202.88	12.6
Cross Section (3)	Area/below 0	16206.87	1242.04	3070.99	20.9
	Area/below 10	30820.88	3076.98	4488.46	15.7
	Depth	-31.02	2.35	-5.81	-20.7
	Slope	0.037	0.01	0.008	24.9
	Width	1695.92	299.88	329.92	21.5
	Width/below 0	1049.92	71.75	-38.62	3.6
	Width/below10	1676.90	272.97	310.90	20.4
	Wetted Perm./0	1060.42	67.89	-38.06	3.5
	Wetted Perm./10	1700.61	256.70	307.05	19.8

Cross Section (4)	Area/below 0	16581.79	856.86
	Area/below 10	31248.95	2897.20
	Depth	-28.92	0.55
	Slope	0.037	0.00
	Width	1679.33	279.97
	Width/below 0	1057.25	151.21
	Width/below10	1663.07	256.98
	Wetted Perm./0	1069.32	144.58
	Wetted Perm./10	1686.97	239.43
Cross Section (5)	Area/below 0	16141.33	1570.46
	Area/below 10	31225.12	3257.22
	Depth	-27.80	2.41
	Slope	0.035	0.00
	Width	1679.84	184.49
	Width/below 0	1054.44	85.61
	Width/below10	1657.44	152.82
	Wetted Perm./0	1064.17	82.98
	Wetted Perm./10	1678.98	140.99
Cross Section (6)	Area/below 0	17815.57	2790.88
	Area/below 10	32918.77	4276.27
	Depth	-27.71	4.60
	Slope	0.043	0.01
	Width	1652.72	170.53
	Width/below 0	1086.20	8.89
	Width/below10	1635.15	145.68
	Wetted Perm./0	1097.20	12.94
	Wetted Perm./10	1656.38	134.09

1842.80	11.8
4385.03	15.1
0.27	-0.9
0.005	15.5
430.14	29.4
-1.60	0.2
413.88	28.4
2.33	0.2
412.95	27.9
1893.48	12.5
5467.46	19.2
3.06	-10.4
-0.001	3.6
490.14	34.2
65.98	6.5
467.74	32.9
66.89	6.5
464.11	32.1
3868.36	24.4
8580.48	30.0
3.02	-10.3
-0.002	5.4
555.99	40.4
226.02	23.2
538.42	39.4
226.46	23.0
534.23	38.5

Cross Section (7)	Area/below 0	17243.41	3145.14
	Area/below 10	28410.23	9068.64
	Depth	-27.39	4.97
	Slope	0.045	0.01
	Width	1664.67	272.73
	Width/below 0	1216.54	279.88
	Width/below10	1621.25	211.34
	Wetted Perm./0	1228.35	281.29
	Wetted Perm./10	1642.32	202.88
Cross Section (8)	Area/below 0	19715.10	3544.37
	Area/below 10	33676.08	5236.21
	Depth	-27.13	5.47
	Slope	0.045	0.02
	Width	1669.27	391.58
	Width/below 0	1152.54	70.59
	Width/below10	1604.15	299.49
	Wetted Perm./0	1168.07	61.52
	Wetted Perm./10	1705.81	389.47
Cross Section (9)	Area/below 0	18596.02	1738.20
	Area/below 10	31640.42	1945.46
	Depth	-21.78	0.71
	Slope	0.051	0.02
	Width	1557.96	211.30
	Width/below 0	1159.59	24.41
	Width/below10	1498.03	126.55
	Wetted Perm./0	1175.98	11.51
	Wetted Perm./10	1524.16	104.00

2540.08	15.9
3889.63	14.7
3.74	-12.8
-0.003	5.6
609.54	44.8
407.37	40.2
566.13	42.3
406.69	39.7
558.65	41.0
2775.17	15.1
7022.76	23.3
5.67	-18.9
-0.001	2.0
628.39	46.4
299.12	29.8
574.21	43.6
295.45	29.0
640.56	46.2
1513.15	8.5
4828.81	16.5
9.50	-35.8
0.006	12.5
496.03	37.9
244.43	23.6
479.34	38.1
238.21	22.5
467.06	36.2

Cross Section (10)	Area/below 0	18829.90	3513.75
	Area/below 10	33148.62	3233.96
	Depth	-19.11	1.35
	Slope	0.017	0.00
	Width	1662.06	160.28
	Width/below 0	1297.25	62.32
	Width/below10	1589.56	57.76
	Wetted Perm./0	1311.18	50.37
	Wetted Perm./10	1613.28	35.50
Cross Section (11)	Area/below 0	18107.44	2716.75
	Area/below 10	34154.87	2371.08
	Depth	-18.30	0.20
	Slope	0.014	0.00
	Width	1710.53	106.15
	Width/below 0	1451.82	59.21
	Width/below10	1668.26	46.37
	Wetted Perm./0	1467.78	47.26
	Wetted Perm./10	1695.31	24.09
Cross Section (12)	Area/below 0	18708.96	2561.63
	Area/below 10	35324.23	2983.51
	Depth	-23.35	1.04
	Slope	0.015	0.00
	Width	1704.41	99.81
	Width/below 0	1615.75	3.50
	Width/below10	1685.63	73.25
	Wetted Perm./0	1631.76	8.11
	Wetted Perm./10	1712.03	50.83

4048.13	24.1
7822.61	26.8
6.08	-27.5
-0.013	56.1
507.72	36.1
341.22	30.3
458.93	33.7
339.56	29.7
451.35	32.5
3056.16	18.4
7939.67	26.3
6.40	-29.8
-0.018	79.5
523.66	36.1
432.84	35.0
481.38	33.7
435.40	34.8
478.64	32.9
2055.35	11.6
7269.35	22.9
4.60	-17.9
-0.017	71.2
551.61	38.6
536.06	39.8
532.83	37.5
533.69	39.1
523.03	36.1

Cross Section (13)	Area/below 0	17876.40	3238.35
	Area/below 10	34423.10	3598.20
	Depth	-22.70	4.63
	Slope	0.015	0.00
	Width	1717.15	120.93
	Width/below 0	1526.60	115.13
	Width/below10	1675.39	61.88
	Wetted Perm./0	1534.67	114.90
	Wetted Perm./10	1693.96	52.91
	Cross Section (14)	Area/below 0	17515.84
Area/below 10		33680.73	2663.08
Depth		-22.70	1.88
Slope		0.016	0.00
Width		1682.47	119.26
Width/below 0		1567.52	46.39
Width/below10		1643.67	64.39
Wetted Perm./0		1575.52	45.04
Wetted Perm./10		1660.36	55.15

2062.59	12.2
6405.01	20.5
5.22	-20.6
-0.013	60.0
486.84	33.0
339.11	25.0
445.09	30.6
339.68	24.9
438.35	29.7
3218.44	20.2
6855.01	22.7
4.63	-18.5
-0.014	59.7
393.18	26.5
410.38	30.1
354.38	24.2
413.05	30.2
350.52	23.6

		2007		2005		1986		1982		1976	
		Slope	R2 Value	Slope	R2 Value	Slope	R2 Value	Slope	R2 Value	Slope	R2 Value
Cross Section (1)	-40 - -30	0.0816	0.9841			0.0781	1				
	-30 - -20	0.0212	0.8043	0.0154	0.8368	0.0781	1	0.0202	0.5668	0.0477	0.9647
	-20 - -10	0.0224	0.9071	0.0218	0.8135	0.0317	0.9796	0.0211	0.9823	0.0135	0.7817
	-10 - 0	0.0277	0.9225	0.029	0.9238	0.0069	0.618	0.0212	0.9663	0.0504	0.99
	0 - 10	0.0334	0.9559	0.0028	0.0632			0.0028	0.2634	-0.0014	0.0457
Cross Section (2)	-40 - -30	0.0505	0.9972	0.1023	0.9907						
	-30 - -20	0.0448	0.9355	0.0506	0.9488	0.043	0.9996	0.0414	0.9923	0.0151	0.3632
	-20 - -10	0.0192	0.9053	0.0181	0.8652	0.0386	0.9961	0.0279	0.9973	0.0165	0.8795
	-10 - 0	0.0408	0.9778	0.0465	0.8638	0.0123	0.9278	0.0203	0.9	0.0505	0.9928
	0 - 10	7.00E-05	6.00E-05	0.0078	0.2398	-0.0062	0.5731	0.0069	0.8956	0.0015	0.0486
Cross Section (3)	-40 - -30			0.0848	0.6273						
	-30 - -20	0.0393	0.8344	0.0509	0.9096	0.0419	1	0.0493	0.9979	0.0315	0.9439
	-20 - -10	0.0187	0.9146	0.0205	0.9006	0.0432	0.9933	0.0385	0.9971	0.0218	0.9553
	-10 - 0	0.0355	0.9528	0.0447	0.9108	0.0106	0.8567	0.0224	0.9357	0.0523	0.9934
	0 - 10	0.0042	0.3994	0.0055	0.1492	-0.0009	0.0218	0.0088	0.8434	0.0049	0.2194
Cross Section (4)	-40 - -30							0.0522	1		
	-30 - -20	0.0687	0.9769	0.0397	0.8247	0.027	0.839	0.0524	0.9993	0.0192	0.8486
	-20 - -10	0.0372	0.9729	0.0173	0.7249	0.0566	0.9638	0.0493	0.9788	0.0303	0.9833
	-10 - 0	0.0242	0.9223	0.0173	0.7249	0.0174	0.9032	0.0207	0.8875	0.0348	0.7516
	0 - 10	-7.00E-05	1.00E-04	0.0007	0.0169	0.0094	0.984	0.0142	0.6134	0.1032	1
Cross Section (5)	-40 - -30							0.0521	1	0.0237	1
	-30 - -20	0.056	0.9846	0.0255	0.7251	0.0415	0.8717	0.0775	0.999	0.0323	0.9686
	-20 - -10	0.0392	0.9685	0.0183	0.8566	0.0546	0.9725	0.0346	0.9539	0.0412	0.987
	-10 - 0	0.0241	0.9204	0.0457	0.8128	0.0241	0.937	0.0269	0.8939	0.029	0.9835
	0 - 10	-0.0045	0.2363	0.0104	0.8119	0.0062	0.9367	0.0233	0.7127	0.1035	1
Cross Section (6)	-40 - -30	0.0202	0.8971			0.0295	0.9997	0.0754	0.9891		
	-30 - -20	0.0641	0.9934	0.0396	0.7764	0.052	0.9471	0.0559	0.939	0.0409	0.9663
	-20 - -10	0.0526	0.9203	0.0325	0.9571	0.0758	0.9993	0.0393	0.9974	0.0353	0.9365
	-10 - 0	0.0406	0.9392	0.0301	0.9291	0.0409	0.899	0.0407	0.9615	0.0349	0.9911
	0 - 10	0.0002	0.0005	0.0167	0.8758	0.0101	0.6726	0.0208	0.9592	0.0126	0.7981

Cross Section (7)	-40 - -30	0.0169	0.8092			0.0292	0.8943	0.033	0.9943		
	-30 - -20	0.0364	0.6683	0.02	0.7191	0.0429	0.9707	0.0368	0.9644	0.0114	0.722
	-20 - -10	0.0274	0.7572	0.0393	0.9625	0.0907	0.9976	0.0486	0.9518	0.0302	0.6796
	-10 - 0	0.0499	0.916	0.0543	0.9274	0.1025	0.9892	0.0544	0.9846	0.0441	0.9829
	0 - 10	0.0084	0.4275	0.0133	0.8059	0.007	0.2034	0.0231	0.9741	0.0234	0.9342
Cross Section (8)	-40 - -30	0.0427	0.8833			0.0511	0.9947	0.0355	0.9169		
	-30 - -20	0.055	0.9247	0.0005	0.0047	0.0431	0.9553	0.0908	0.96	0.0056	0.5081
	-20 - -10	0.1038	0.992	0.0193	0.6652	0.0842	0.9792	0.0403	0.9572	0.0534	0.9809
	-10 - 0	0.042	0.9533	0.0445	0.8935	0.0584	0.9938	0.0441	0.5636	0.0488	0.9423
	0 - 10	0.0186	0.968	0.0174	0.7519	-0.0146	0.3607	0.0177	0.7729	0.049	0.9323
Cross Section (9)	-40 - -30					0.0225	0.9964	0.049	0.8859		
	-30 - -20	0.1737	0.9981	0.0287	0.9432	0.036	0.9689	0.037	0.898	0.0433	0.8867
	-20 - -10	0.0258	0.4756	0.0265	0.7705	0.0512	0.9873	0.0602	0.9916	0.0279	0.9883
	-10 - 0	0.1694	0.9977	0.0304	0.7842	0.0847	0.9996	0.034	0.9768	0.0447	1
	0 - 10	0.0248	0.9386	0.0241	0.8925			0.1115	0.9844	0.0193	0.7591
Cross Section (10)	-40 - -30							0.1206	1		
	-30 - -20	0.0012	0.1418			0.0181	0.8566	0.0201	0.6351		
	-20 - -10	0.0043	0.4958	0.0062	0.6226	0.0356	0.9771	0.0363	0.7559	0.0053	0.4804
	-10 - 0	0.0989	0.9942	0.0316	0.2615	0.0489	0.9909	0.0509	0.9926	0.0441	0.9952
	0 - 10	0.0459	0.6725	0.0211	0.8422			0.0477	0.9496	0.0129	0.9109
Cross Section (11)	-30 - -20					0.0314	0.8113	0.0688	0.9875	0.0112	0.4166
	-20 - -10	0.0049	0.6632	0.0065	0.8818	0.0193	0.9561	0.0267	0.4598	0.0113	0.7077
	-10 - 0	0.0485	0.9775	0.0222	0.6881	0.0289	0.9879	0.0402	0.9819	0.0434	0.9842
	0 - 10	0.0512	0.9765	0.0075	0.2755			0.0241	0.8916	0.0142	0.6275
Cross Section (12)	-40 - -30					0.0945	1				
	-30 - -20	0.0116	0.552	0.1442	0.6788	0.0413	0.9847	0.0277	0.9825	0.0371	0.993
	-20 - -10	0.0111	0.9244	0.0054	0.558	0.0176	0.9681	0.0362	0.9604	0.009	0.4713
	-10 - 0	0.0186	0.8331	0.0079	0.334	0.0219	0.9781	0.0442	0.976	0.0383	0.9839
	0 - 10	0.0712	0.8673	0.1025	0.9974			0.0298	0.9874	0.0282	0.9999
Cross Section (13)	-40 - -30					0.0505	0.9923				
	-30 - -20	0.0265	0.8949			0.0303	0.9445	0.0427	0.9916	0.03	0.9973
	-20 - -10	0.0117	0.8921	0.0098	0.8779	0.043	0.9943	0.0378	0.9669	0.0172	0.9303
	-10 - 0	0.0126	0.8047	0.0095	0.5145	0.015	0.9737	0.0209	0.9288	0.0238	0.9797
	0 - 10	0.1865	0.9903	0.1388	1			0.0617	1	0.0271	1

Cross Section (14)	-40 - -30							0.1846	1		
	-30 - -20	0.0163	0.8062	0.0455	0.9909	0.0602	0.9546	0.0888	0.8987	0.0265	0.9781
	-20 - -10	0.0103	0.8714	0.0113	0.792	0.0215	0.9407	0.0312	0.9322	0.021	0.9731
	-10 - 0	0.0061	0.4198	0.0125	0.6625	0.0174	0.9035	0.024	0.8384	0.0194	0.9808
	0 - 10			0.0646	0.9387	0.0105	0.9706	0.0277	0.9602	0.0274	1

		2007	2005	1986	1982	1976
		Slope	Slope	Slope	Slope	Slope
Cross Section (1)	-40 - -30	0.0816		0.0781		
	-30 - -20	0.0212	0.0154	0.0781		0.0477
	-20 - -10	0.0224	0.0218	0.0317	0.0211	
	-10 - 0	0.0277	0.029		0.0212	0.0504
	0 - 10	0.0334				
Cross Section (2)	-40 - -30	0.0505	0.1023			
	-30 - -20	0.0448	0.0506	0.043	0.0414	
	-20 - -10	0.0192	0.0181	0.0386	0.0279	0.0165
	-10 - 0	0.0408	0.0465	0.0123	0.0203	0.0505
	0 - 10				0.0069	
Cross Section (3)	-40 - -30					
	-30 - -20	0.0393	0.0509	0.0419	0.0493	0.0315
	-20 - -10	0.0187	0.0205	0.0432	0.0385	0.0218
	-10 - 0	0.0355	0.0447	0.0106	0.0224	0.0523
	0 - 10				0.0088	
Cross Section (4)	-40 - -30				0.0522	
	-30 - -20	0.0687	0.0397	0.027	0.0524	0.0192
	-20 - -10	0.0372		0.0566	0.0493	0.0303
	-10 - 0	0.0242		0.0174	0.0207	
	0 - 10			0.0094		0.1032
Cross Section (5)	-40 - -30				0.0521	0.0237
	-30 - -20	0.056		0.0415	0.0775	0.0323
	-20 - -10	0.0392	0.0183	0.0546	0.0346	0.0412
	-10 - 0	0.0241	0.0457	0.0241	0.0269	0.029
	0 - 10		0.0104	0.0062		0.1035
Cross Section (6)	-40 - -30	0.0202		0.0295	0.0754	
	-30 - -20	0.0641		0.052	0.0559	0.0409
	-20 - -10	0.0526	0.0325	0.0758	0.0393	0.0353
	-10 - 0	0.0406	0.0301	0.0409	0.0407	0.0349
	0 - 10		0.0167		0.0208	

Cross Section (7)	-40 - -30	0.0169		0.0292	0.033	
	-30 - -20			0.0429	0.0368	
	-20 - -10		0.0393	0.0907	0.0486	
	-10 - 0	0.0499	0.0543	0.1025	0.0544	0.0441
	0 - 10		0.0133		0.0231	0.0234
Cross Section (8)	-40 - -30	0.0427		0.0511	0.0355	
	-30 - -20	0.055		0.0431	0.0908	
	-20 - -10	0.1038		0.0842	0.0403	0.0534
	-10 - 0	0.042	0.0445	0.0584		0.0488
	0 - 10	0.0186				0.049
Cross Section (9)	-40 - -30			0.0225	0.049	
	-30 - -20	0.1737	0.0287	0.036	0.037	0.0433
	-20 - -10			0.0512	0.0602	0.0279
	-10 - 0	0.1694		0.0847	0.034	0.0447
	0 - 10	0.0248	0.0241		0.1115	
Cross Section (10)	-40 - -30				0.1206	
	-30 - -20			0.0181		
	-20 - -10			0.0356		
	-10 - 0	0.0989		0.0489	0.0509	0.0441
	0 - 10		0.0211		0.0477	0.0129
Cross Section (11)	-30 - -20			0.0314	0.0688	
	-20 - -10		0.0065	0.0193		
	-10 - 0	0.0485		0.0289	0.0402	0.0434
	0 - 10	0.0512			0.0241	
Cross Section (12)	-40 - -30			0.0945		
	-30 - -20			0.0413	0.0277	0.0371
	-20 - -10	0.0111		0.0176	0.0362	
	-10 - 0	0.0186		0.0219	0.0442	0.0383
	0 - 10	0.0712	0.1025		0.0298	0.0282
Cross Section (13)	-40 - -30			0.0505		
	-30 - -20	0.0265		0.0303	0.0427	0.03
	-20 - -10	0.0117	0.0098	0.043	0.0378	0.0172
	-10 - 0	0.0126		0.015	0.0209	0.0238
	0 - 10	0.1865	0.1388		0.0617	0.0271

Cross Section (14)	-40 - -30				0.1846	
	-30 - -20	0.0163	0.0455	0.0602	0.0888	0.0265
	-20 - -10	0.0103		0.0215	0.0312	0.021
	-10 - 0			0.0174	0.024	0.0194
	0 - 10		0.0646	0.0105	0.0277	0.0274

		Average	Std. Deviation	Average	Std. Deviation	Diff. in Slope	% Difference	Change / Normal Dev.
Cross Section (1)	-40 - -30	0.0816	#DIV/0!	0.0781	#DIV/0!	0.35	4.38	#DIV/0!
	-30 - -20	0.0183	0.0041	0.0629	0.0215	-4.46	-109.85	-2.07
	-20 - -10	0.0221	0.0004	0.0264	0.0075	-0.43	-17.73	-0.57
	-10 - 0	0.0284	0.0009	0.0358	0.0206	-0.75	-23.23	-0.36
	0 - 10	0.0334	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Cross Section (2)	-40 - -30	0.0764	0.0366	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-30 - -20	0.0477	0.0041	0.0422	0.0011	0.55	12.24	4.86
	-20 - -10	0.0187	0.0008	0.0277	0.0111	-0.90	-38.93	-0.82
	-10 - 0	0.0437	0.0040	0.0277	0.0201	1.60	44.71	0.79
	0 - 10	#DIV/0!	#DIV/0!	0.0069	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Cross Section (3)	-40 - -30	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-30 - -20	0.0451	0.0082	0.0409	0.0089	0.42	9.77	0.47
	-20 - -10	0.0196	0.0013	0.0345	0.0112	-1.49	-55.08	-1.32
	-10 - 0	0.0401	0.0065	0.0284	0.0215	1.17	34.05	0.54
	0 - 10	#DIV/0!	#DIV/0!	0.0088	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Cross Section (4)	-40 - -30	#DIV/0!	#DIV/0!	0.0522	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-30 - -20	0.0542	0.0205	0.0329	0.0174	2.13	49.00	1.23
	-20 - -10	0.0372	#DIV/0!	0.0454	0.0136	-0.82	-19.85	-0.60
	-10 - 0	0.0242	#DIV/0!	0.0191	0.0023	0.52	23.82	2.21
	0 - 10	#DIV/0!	#DIV/0!	0.0563	0.0663	#DIV/0!	#DIV/0!	#DIV/0!
Cross Section (5)	-40 - -30	#DIV/0!	#DIV/0!	0.0379	0.0201	#DIV/0!	#DIV/0!	#DIV/0!
	-30 - -20	0.0560	#DIV/0!	0.0504	0.0239	0.56	10.46	0.23
	-20 - -10	0.0288	0.0148	0.0435	0.0102	-1.47	-40.76	-1.44
	-10 - 0	0.0349	0.0153	0.0267	0.0025	0.82	26.75	3.35
	0 - 10	0.0104	#DIV/0!	0.0549	0.0688	-4.45	-136.25	-0.65
Cross Section (6)	-40 - -30	0.0202	#DIV/0!	0.0525	0.0325	-3.23	-88.78	-0.99
	-30 - -20	0.0641	#DIV/0!	0.0496	0.0078	1.45	25.51	1.86
	-20 - -10	0.0426	0.0142	0.0501	0.0223	-0.76	-16.36	-0.34
	-10 - 0	0.0354	0.0074	0.0388	0.0034	-0.35	-9.39	-1.02
	0 - 10	0.0167	#DIV/0!	0.0208	#DIV/0!	-0.41	-21.87	#DIV/0!

Cross Section (7)	-40 - -30	0.0169	#DIV/0!	0.0311	0.0027	-1.42	-59.17	-5.28
	-30 - -20	#DIV/0!	#DIV/0!	0.0399	0.0043	#DIV/0!	#DIV/0!	#DIV/0!
	-20 - -10	0.0393	#DIV/0!	0.0697	0.0298	-3.04	-55.71	-1.02
	-10 - 0	0.0521	0.0031	0.0670	0.0312	-1.49	-25.02	-0.48
	0 - 10	0.0133	#DIV/0!	0.0233	0.0002	-1.00	-54.45	-46.90
Cross Section (8)	-40 - -30	0.0427	#DIV/0!	0.0433	0.0110	-0.06	-1.40	-0.05
	-30 - -20	0.0550	#DIV/0!	0.0670	0.0337	-1.20	-19.60	-0.35
	-20 - -10	0.1038	#DIV/0!	0.0593	0.0225	4.45	54.57	1.97
	-10 - 0	0.0433	0.0018	0.0536	0.0068	-1.04	-21.37	-1.52
	0 - 10	0.0186	#DIV/0!	0.0490	#DIV/0!	-3.04	-89.94	#DIV/0!
Cross Section (9)	-40 - -30	#DIV/0!	#DIV/0!	0.0358	0.0187	#DIV/0!	#DIV/0!	#DIV/0!
	-30 - -20	0.1012	0.1025	0.0388	0.0040	6.24	89.21	15.78
	-20 - -10	#DIV/0!	#DIV/0!	0.0464	0.0167	#DIV/0!	#DIV/0!	#DIV/0!
	-10 - 0	0.1694	#DIV/0!	0.0545	0.0267	11.49	102.68	4.30
	0 - 10	0.0245	0.0005	0.1115	#DIV/0!	-8.71	-128.06	#DIV/0!
Cross Section (10)	-40 - -30	#DIV/0!	#DIV/0!	0.1206	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-30 - -20	#DIV/0!	#DIV/0!	0.0181	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-20 - -10	#DIV/0!	#DIV/0!	0.0356	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-10 - 0	0.0989	#DIV/0!	0.0480	0.0035	5.09	69.36	14.57
	0 - 10	0.0211	#DIV/0!	0.0303	0.0246	-0.92	-35.80	-0.37
Cross Section (11)	-30 - -20	#DIV/0!	#DIV/0!	0.0501	0.0264	#DIV/0!	#DIV/0!	#DIV/0!
	-20 - -10	0.0065	#DIV/0!	0.0193	#DIV/0!	-1.28	-99.22	#DIV/0!
	-10 - 0	0.0485	#DIV/0!	0.0375	0.0076	1.10	25.58	1.44
	0 - 10	0.0512	#DIV/0!	0.0241	#DIV/0!	2.71	71.98	#DIV/0!
Cross Section (12)	-40 - -30	#DIV/0!	#DIV/0!	0.0945	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-30 - -20	#DIV/0!	#DIV/0!	0.0354	0.0070	#DIV/0!	#DIV/0!	#DIV/0!
	-20 - -10	0.0111	#DIV/0!	0.0269	0.0132	-1.58	-83.16	-1.20
	-10 - 0	0.0186	#DIV/0!	0.0348	0.0116	-1.62	-60.67	-1.40
	0 - 10	0.0869	0.0221	0.0290	0.0011	5.79	99.87	51.13
Cross Section (13)	-40 - -30	#DIV/0!	#DIV/0!	0.0505	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-30 - -20	0.0265	#DIV/0!	0.0343	0.0072	-0.78	-25.75	-1.08
	-20 - -10	0.0108	0.0013	0.0327	0.0136	-2.19	-100.96	-1.61
	-10 - 0	0.0126	#DIV/0!	0.0199	0.0045	-0.73	-44.92	-1.63
	0 - 10	0.1627	0.0337	0.0444	0.0245	11.83	114.22	4.83

Cross Section (14)	-40 - -30	#DIV/0!	#DIV/0!	0.1846	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-30 - -20	0.0309	0.0206	0.0585	0.0312	-2.76	-61.74	-0.89
	-20 - -10	0.0103	#DIV/0!	0.0246	0.0058	-1.43	-81.84	-2.48
	-10 - 0	#DIV/0!	#DIV/0!	0.0203	0.0034	#DIV/0!	#DIV/0!	#DIV/0!
	0 - 10	0.0646	#DIV/0!	0.0219	0.0098	4.27	98.84	4.34

Cape Rock

Taking all data in account (30 years)

		2007	2005	1986	1982	1976	Average	Standard Deviation
Cross Section (1)	Area/below 0	28218.75	31330.08	27773.51	26923.10	21980.30	22704.29	3381.42
	Area/below 10	46158.21	48306.66	45391.93	45645.28	34661.33	36693.90	5363.19
	Depth	-42.83	-46.79	-38.54	-34.43	-27.16	-31.63	7.60
	Slope	0.147	0.063	0.063	0.066	0.058	0.066	0.04
	Width	1916.03	1862.18	1747.31	1881.93	1275.85	1447.22	265.28
	Width/below 0	1472.13	1776.86	1414.61	1291.22	1236.19	1198.50	211.43
	Width/below10	1869.63	1367.44	1747.31	1826.40	1275.85	1347.77	275.37
	Wetted Perm./0	1482.51	1790.53	1418.92	1294.53	1240.37	1204.48	215.63
	Wetted Perm./10	1883.22	2383.77	1770.36	1838.62	1295.35	1528.56	386.94
	Cross Section (2)	Area/below 0	31097.81	30820.40	26111.09	23596.69	18869.05	21749.17
Area/below 10		49900.16	47998.33	39712.77	41852.37	28464.41	34654.67	8455.76
Depth		-51.20	-48.27	-42.32	-41.79	-29.09	-35.44	8.51
Slope		0.168	0.138	0.135	0.098	0.118	0.110	0.03
Width		2165.15	2070.62	1852.62	2139.16	959.78	1531.22	505.79
Width/below 0		1273.60	1202.23	964.91	994.44	952.23	897.90	149.40
Width/below10		2111.59	2070.62	1839.61	1935.82	959.78	1486.24	473.01
Wetted Perm./0		1295.43	1219.15	970.41	998.53	959.62	907.19	156.96
Wetted Perm./10		2136.51	2104.17	1855.54	1947.91	987.24	1505.23	471.99
Cross Section (3)		Area/below 0	23747.68	23849.10	22890.79	21396.69	17838.27	18287.09
	Area/below 10	41613.92	41805.48	34591.91	40396.52	28255.15	31110.50	5865.90
	Depth	-34.86	-38.49	-35.38	-32.17	-26.69	-27.93	4.43
	Slope	0.112	0.058	0.052	0.042	0.071	0.056	0.03
	Width	2225.31	2188.50	2018.65	2284.50	1041.69	1626.44	518.24
	Width/below 0	1116.01	1103.75	1036.17	1094.07	1041.69	898.61	36.86
	Width/below10	2187.74	2188.50	1453.67	2284.50	1041.69	1526.02	553.65
	Wetted Perm./0	1125.04	1123.63	1040.25	1098.18	1047.16	905.71	40.89
	Wetted Perm./10	2202.72	2221.92	1461.44	2304.81	1067.16	1543.01	555.29

Cross Section (4)	Area/below 0	22285.69	22973.46	18754.12	19752.05	19819.19	17264.09	1812.63
	Area/below 10	34630.15	41107.43	30693.63	36438.44	30757.79	28937.91	4349.45
	Depth	-32.54	-45.02	-36.86	-38.98	-30.87	-30.71	5.60
	Slope	0.043	0.110	0.057	0.074	0.061	0.058	0.03
	Width	2279.66	2364.93	2186.22	2405.93	1095.47	1722.04	549.31
	Width/below 0	1090.29	1063.49	944.02	907.15	1056.37	843.55	81.18
	Width/below10	1489.46	2267.94	1563.42	2344.73	1095.47	1460.17	536.90
	Wetted Perm./0	1096.81	1075.32	947.88	911.83	1060.71	848.76	82.93
	Wetted Perm./10	1498.51	2306.11	1573.06	2483.33	1118.99	1496.67	576.45
	Area/below 0	18574.86	17496.56	12653.99	16484.95	17074.08	13714.07	2258.90
Area/below 10	35568.59	37140.92	25894.80	33352.86	27481.22	26573.06	4965.48	
Depth	-27.49	-29.69	-24.60	-27.56	-27.03	-22.73	1.82	
Slope	0.033	0.051	0.046	0.050	0.043	0.037	0.01	
Cross Section (5)	Width	2471.56	2552.14	2372.41	2525.23	1040.71	1827.01	647.48
	Width/below 0	1145.96	1084.09	1012.30	1419.85	1040.71	950.49	164.04
	Width/below10	2441.10	2552.14	1362.57	2525.23	1040.71	1653.62	724.67
	Wetted Perm./0	1151.10	1090.87	1015.06	1422.70	1044.63	954.06	163.59
	Wetted Perm./10	2453.28	2576.28	1373.72	2549.10	1064.63	1669.50	725.63
	Area/below 0	16957.38	14396.53	16562.77	18272.54	13069.85	13209.85	2088.35
	Area/below 10	45294.86	39105.82	44190.45	39358.29	22487.45	31739.48	9154.31
	Depth	-30.63	-28.02	-32.71	-38.07	-26.62	-26.01	4.49
	Slope	0.048	0.038	0.045	0.037	0.051	0.037	0.01
Cross Section (6)	Width	3345.41	3231.39	3218.01	3209.71	946.79	2325.22	1031.99
	Width/below 0	952.52	1134.34	979.97	1170.30	1024.36	876.92	95.68
	Width/below10	3286.21	3231.39	3218.01	3163.08	946.79	2307.58	1019.64
	Wetted Perm./0	962.09	1140.51	987.37	1177.86	1030.33	883.03	95.02
	Wetted Perm./10	3307.13	3260.58	3241.99	3181.51	974.05	2327.54	1017.85

Cross Section (7)	Area/below 0	15057.78	13691.12	15512.71	16245.84	14701.83	12534.88	950.22
	Area/below 10	45657.36	37935.70	38851.16	36151.06	25544.81	30690.02	7263.72
	Depth	-28.18	-27.53	-30.51	-30.49	-27.24	-23.99	1.60
	Slope	0.037	0.039	0.046	0.033	0.036	0.032	0.00
	Width	3220.11	3162.30	3312.02	3104.93	1084.30	2313.94	949.19
	Width/below 0	1062.33	1004.34	989.15	1167.04	1084.30	884.53	70.99
	Width/below10	3200.92	3162.30	3312.02	3104.93	1084.30	2310.74	946.98
	Wetted Perm./0	1070.30	1167.06	995.28	1172.74	1089.81	915.87	73.72
	Wetted Perm./10	3232.59	3197.45	3333.58	3121.72	1109.81	2332.52	947.37
	Cross Section (8)	Area/below 0	15659.21	14798.40	16153.00	14938.83	17401.89	13158.55
Area/below 10		40453.14	38909.81	35340.38	34677.78	29402.14	29797.21	4292.91
Depth		-28.05	-29.94	-27.88	-29.52	-28.04	-23.91	0.97
Slope		0.029	0.034	0.028	0.030	0.027	0.025	0.00
Width		3054.47	3107.53	3365.18	3036.50	1221.38	2297.51	868.54
Width/below 0		1067.24	1093.82	987.47	1180.36	1631.36	993.38	255.06
Width/below10		3004.77	3107.53	2191.14	2373.22	1221.38	1983.01	757.91
Wetted Perm./0		1075.93	1111.03	995.83	1184.64	1635.89	1000.55	252.60
Wetted Perm./10		3029.32	3149.74	2205.20	2387.03	1245.38	2002.78	763.11
Cross Section (9)		Area/below 0	17878.60	13886.18	17249.98	14864.87	18811.75	13781.90
	Area/below 10	42519.10	37628.68	39819.40	20039.76	31855.41	28643.72	8921.91
	Depth	-33.09	-32.80	-30.49	-28.77	-41.19	-27.72	4.77
	Slope	0.034	0.035	0.039	0.028	0.049	0.031	0.01
	Width	2921.88	3058.24	3444.16	2996.84	1357.89	2296.50	807.02
	Width/below 0	1238.66	1160.68	805.49	1192.41	1069.77	911.17	172.40
	Width/below10	2889.19	3058.24	2953.01	2996.84	1357.89	2209.19	725.52
	Wetted Perm./0	1248.52	1169.14	816.36	1195.74	1075.43	917.53	171.07
	Wetted Perm./10	2910.31	3085.34	2969.34	3010.54	1381.96	2226.25	723.68

Cross Section (10)	Area/below 0	17226.25	14473.65	19480.96	12845.88	16772.07	13466.47	2567.46
	Area/below 10	42314.78	37457.84	43192.56	34503.10	31152.10	31436.73	5114.08
	Depth	-31.97	-25.61	-38.84	-24.81	-32.47	-25.62	5.74
	Slope	0.027	0.023	0.055	0.023	0.036	0.027	0.01
	Width	2917.19	2930.11	3507.08	2858.91	1472.92	2281.04	754.25
	Width/below 0	1355.06	1253.93	977.59	1334.43	1110.19	1005.20	159.97
	Width/below10	2882.40	2930.11	3218.76	2858.91	1472.92	2227.18	686.03
	Wetted Perm./0	1363.24	1264.71	987.13	1337.02	1116.34	1011.41	158.89
	Wetted Perm./10	2894.47	2958.56	3232.52	2871.39	1497.24	2242.36	682.61

Years 1986-1976 (Before Weirs were built)

		Average	Standard Deviation
Cross Section (1)	Area/below 0	25558.97	3128.25
	Area/below 10	41899.51	6269.73
	Depth	-33.38	5.76
	Slope	0.063	0.00
	Width	1635.03	318.26
	Width/below 0	1314.01	91.37
	Width/below10	1616.52	297.67
	Wetted Perm./0	1317.94	91.55
	Wetted Perm./10	1634.78	295.93
Cross Section (2)	Area/below 0	22858.94	3676.95
	Area/below 10	36676.52	7191.91
	Depth	-37.73	7.49
	Slope	0.117	0.02
	Width	1650.52	615.11
	Width/below 0	970.53	21.66
	Width/below10	1578.40	537.90
	Wetted Perm./0	976.19	20.09
	Wetted Perm./10	1596.90	530.00
Cross Section (3)	Area/below 0	20708.58	2595.59
	Area/below 10	34414.53	6072.63
	Depth	-31.42	4.40
	Slope	0.055	0.01
	Width	1781.61	654.43
	Width/below 0	1057.31	31.95
	Width/below10	1593.29	633.06
	Wetted Perm./0	1061.86	31.64
	Wetted Perm./10	1611.14	632.26

Cross Section (4)	Area/below 0	19441.79	596.48
	Area/below 10	32629.96	3298.40
	Depth	-35.57	4.21
	Slope	0.064	0.01
	Width	1895.88	701.82
	Width/below 0	969.18	77.73
	Width/below10	1667.87	631.14
	Wetted Perm./0	973.47	77.67
	Wetted Perm./10	1725.13	694.76
Cross Section (5)	Area/below 0	15404.34	2400.02
	Area/below 10	28909.63	3928.86
	Depth	-26.40	1.58
	Slope	0.046	0.00
	Width	1979.45	816.55
	Width/below 0	1157.62	227.54
	Width/below10	1642.84	780.93
	Wetted Perm./0	1160.80	227.30
	Wetted Perm./10	1662.48	783.23
Cross Section (6)	Area/below 0	15968.39	2651.79
	Area/below 10	35345.40	11394.41
	Depth	-32.47	5.72
	Slope	0.044	0.01
	Width	2458.17	1308.90
	Width/below 0	1058.21	99.57
	Width/below10	2442.63	1295.72
	Wetted Perm./0	1065.19	99.92
	Wetted Perm./10	2465.85	1292.29

Cross Section (7)	Area/below 0	15486.80	772.33
	Area/below 10	33515.68	7033.75
	Depth	-29.42	1.88
	Slope	0.038	0.01
	Width	2500.42	1230.76
	Width/below 0	1080.16	89.01
	Width/below10	2500.42	1230.76
	Wetted Perm./0	1085.94	88.80
	Wetted Perm./10	2521.70	1227.32
Cross Section (8)	Area/below 0	16164.57	1231.57
	Area/below 10	33140.10	3254.08
	Depth	-28.48	0.91
	Slope	0.029	0.00
	Width	2541.02	1154.59
	Width/below 0	1266.40	330.46
	Width/below10	1928.58	619.18
	Wetted Perm./0	1272.12	328.88
	Wetted Perm./10	1945.87	613.41
Cross Section (9)	Area/below 0	16975.53	1987.70
	Area/below 10	30571.52	9952.13
	Depth	-33.48	6.73
	Slope	0.039	0.01
	Width	2599.63	1098.39
	Width/below 0	1022.56	197.73
	Width/below10	2435.91	933.85
	Wetted Perm./0	1029.18	193.87
	Wetted Perm./10	2453.95	928.60

Cross Section (10)	Area/below 0	16366.30	3336.10
	Area/below 10	36282.59	6214.34
	Depth	-32.04	7.02
	Slope	0.038	0.02
	Width	2612.97	1039.14
	Width/below 0	1140.74	180.37
	Width/below10	2516.86	921.81
	Wetted Perm./0	1146.83	176.92
	Wetted Perm./10	2533.72	915.60

Only 2007 and 2005 (After Weirs were built) Before and after

		Average	Standard Deviation	Differences	Percent Difference
Cross Section (1)	Area/below 0	29774.41	17260.51	4215.44	15.2
	Area/below 10	47232.44	27290.81	5332.92	12.0
	Depth	-44.81	25.95	-11.44	-29.3
	Slope	0.105	0.07	0.042	50.3
	Width	1889.11	1091.01	254.08	14.4
	Width/below 0	1624.50	950.20	310.49	21.1
	Width/below10	1618.53	967.61	2.01	0.1
	Wetted Perm./0	1636.52	957.31	318.58	21.6
	Wetted Perm./10	2133.50	1256.94	498.72	26.5
Cross Section (2)	Area/below 0	30959.10	17874.78	8100.16	30.1
	Area/below 10	48949.25	28276.85	12272.73	28.7
	Depth	-49.74	28.75	-12.01	-27.5
	Slope	0.153	0.09	0.036	26.5
	Width	2117.88	1223.67	467.36	24.8
	Width/below 0	1237.92	715.60	267.39	24.2
	Width/below10	2091.10	1207.47	512.70	27.9
	Wetted Perm./0	1257.29	726.90	281.11	25.2
	Wetted Perm./10	2120.34	1224.29	523.45	28.2
Cross Section (3)	Area/below 0	23798.39	13740.10	3089.80	13.9
	Area/below 10	41709.70	24081.30	7295.17	19.2
	Depth	-36.68	21.25	-5.26	-15.5
	Slope	0.085	0.06	0.029	42.0
	Width	2206.90	1274.29	425.29	21.3
	Width/below 0	1109.88	640.82	52.57	4.9
	Width/below10	2188.12	1263.31	594.83	31.5
	Wetted Perm./0	1124.34	649.14	62.47	5.7
	Wetted Perm./10	2212.32	1277.32	601.18	31.4

Cross Section (4)	Area/below 0	22629.58	13069.72
	Area/below 10	37868.79	22102.13
	Depth	-38.78	23.24
	Slope	0.077	0.06
	Width	2322.29	1341.46
	Width/below 0	1076.89	621.89
	Width/below10	1878.70	1152.39
	Wetted Perm./0	1086.07	627.13
	Wetted Perm./10	1902.31	1170.18
Cross Section (5)	Area/below 0	18035.71	10426.87
	Area/below 10	36354.75	21004.14
	Depth	-28.59	16.54
	Slope	0.042	0.03
	Width	2511.85	1450.78
	Width/below 0	1115.03	644.51
	Width/below10	2496.62	1442.49
	Wetted Perm./0	1120.99	647.90
	Wetted Perm./10	2514.78	1453.21
Cross Section (6)	Area/below 0	15676.96	9141.22
	Area/below 10	42200.34	24560.11
	Depth	-29.32	16.98
	Slope	0.043	0.03
	Width	3288.40	1899.41
	Width/below 0	1043.43	609.25
	Width/below10	3258.80	1881.67
	Wetted Perm./0	1051.30	613.49
	Wetted Perm./10	3283.85	1896.08

3187.79	15.2
5238.84	14.9
-3.21	-8.6
0.013	18.6
426.42	20.2
107.71	10.5
210.82	11.9
112.59	10.9
177.18	9.8
2631.37	15.7
7445.13	22.8
-2.19	-8.0
-0.004	10.1
532.40	23.7
-42.59	3.7
853.78	41.3
-39.81	3.5
852.30	40.8
-291.43	1.8
6854.94	17.7
3.14	-10.2
-0.001	3.1
830.23	28.9
-14.78	1.4
816.18	28.6
-13.89	1.3
818.00	28.5

Cross Section (7)	Area/below 0	14374.45	8327.18
	Area/below 10	41796.53	24438.14
	Depth	-27.86	16.09
	Slope	0.038	0.02
	Width	3191.21	1842.67
	Width/below 0	1033.33	597.30
	Width/below10	3181.61	1837.00
	Wetted Perm./0	1118.68	647.68
	Wetted Perm./10	3215.02	1856.27
Cross Section (8)	Area/below 0	15228.81	8802.88
	Area/below 10	39681.47	22923.10
	Depth	-29.00	16.77
	Slope	0.031	0.02
	Width	3081.00	1779.01
	Width/below 0	1080.53	623.99
	Width/below10	3056.15	1765.22
	Wetted Perm./0	1093.48	631.56
	Wetted Perm./10	3089.53	1784.76
Cross Section (9)	Area/below 0	15882.39	9384.47
	Area/below 10	40073.89	23265.52
	Depth	-32.94	19.02
	Slope	0.034	0.02
	Width	2990.06	1727.66
	Width/below 0	1199.67	693.73
	Width/below10	2973.71	1718.95
	Wetted Perm./0	1208.83	699.05
	Wetted Perm./10	2997.82	1733.00

-1112.34	7.5
8280.85	22.0
1.56	-5.4
0.000	0.5
690.79	24.3
-46.83	4.4
681.19	24.0
32.74	3.0
693.31	24.2
-935.77	6.0
6541.37	18.0
-0.52	-1.8
0.003	9.3
539.97	19.2
-185.87	15.8
1127.56	45.2
-178.64	15.1
1143.66	45.4
-1093.14	6.7
9502.37	26.9
0.54	-1.6
-0.004	12.1
390.43	14.0
177.12	15.9
537.80	19.9
179.65	16.1
543.87	20.0

Cross Section (10)	Area/below 0	15849.95	9253.89
	Area/below 10	39886.31	23156.06
	Depth	-28.79	16.92
	Slope	0.025	0.01
	Width	2923.65	1687.98
	Width/below 0	1304.49	754.85
	Width/below10	2906.26	1678.10
	Wetted Perm./0	1313.97	760.22
	Wetted Perm./10	2926.52	1689.93

-516.35	3.2
3603.72	9.5
3.26	-10.7
-0.013	41.9
310.68	11.2
163.76	13.4
389.39	14.4
167.14	13.6
392.80	14.4

		2007		2005		1986		1982		1976	
		Slope	R2 Value	Slope	R2 Value	Slope	R2 Value	Slope	R2 Value	Slope	R2 Value
Cross Section (1)	-50 - -40	0.0355	0.7041	0.0339	0.8683						
	-40 - -30	0.1335	0.9667	0.0599	0.8556	0.0673	0.9812	0.1205	1		
	-30 - -20	0.2026	0.9768	0.2012	0.9792	0.1616	0.9665	0.0292	0.4949	0.0246	0.4263
	-20 - -10	0.2361	0.9925	0.1333	0.9798	0.0754	0.9747	0.1071	0.9991	0.0263	0.4466
	-10 - 0	0.1436	0.9443	0.0262	0.4913	0.0201	0.6174	0.0662	0.9295	0.1799	0.9772
	0 - 10	0.007	0.1643	5.00E-05	2.00E-05			-0.0065	0.235	0.1126	1
Cross Section (2)	-60 - -50	0.0068	0.3114								
	-50 - -40	0.1501	0.9703	0.0468	0.8136	0.0712	0.9836	0.0446	0.9997		
	-40 - -30	0.2124	0.9224	0.1692	0.9947	0.0933	0.979	0.1535	0.2384		
	-30 - -20	0.2313	0.9957	0.1167	0.9951	0.1179	1			0.0687	0.985
	-20 - -10	0.2662	0.9988	0.1837	0.9135					0.0762	0.6107
	-10 - 0	0.1455	0.9667	0.3884	0.9793	0.191	0.9973	0.0868	0.9931	0.3217	1
0 - 10	-0.0013	0.0934	-0.003	0.2097	-0.0032	0.1028	0.0006	0.0148			
Cross Section (3)	-40 - -30	0.0672	0.6302	0.0067	0.0908	0.0359	0.9773	0.0753	1		
	-30 - -20	0.0982	0.9576	-0.0073	0.0673	0.0312	0.6723	0.018	0.3856	0.0197	0.6106
	-20 - -10	0.1314	0.9979	0.1393	0.98	0.0568	0.9585	0.0624	0.9512	0.1555	0.9595
	-10 - 0	0.1168	0.991	0.0654	0.9822	0.1407	0.9795	0.0423	0.7264	0.1057	0.8472
	0 - 10	-0.0032	0.3275	-0.0018	0.0548	0.0349	0.6753	-0.0013	0.0387		
Cross Section (4)	-50 - -40			0.2603	0.9793						
	-40 - -30	0.0366	0.9133	0.243	0.9957	0.0403	1	0.0752	1	0.0168	0.8817
	-30 - -20	0.0185	0.7491	0.1994	0.9918	0.0497	0.9922	0.0757	0.9956	0.0408	0.8807
	-20 - -10	0.0544	0.98	0.0899	0.9561	0.0672	0.9903	0.1234	0.9964	0.0685	0.9269
	-10 - 0	0.091	0.9981	0.0537	0.9615	0.079	0.9897	0.053	0.992	0.1385	0.9698
	0 - 10	0.0219	0.9443	0.0021	0.1154	0.0198	0.8307	0.0034	0.2616	0.0211	1
Cross Section (5)	-30 - -20	0.0189	0.8153	0.0568	0.8926	0.0384	0.9968	0.0253	0.8868	0.019	0.8994
	-20 - -10	-0.0049	0.1754	0.0475	0.8505	0.0435	0.9909	0.0788	0.9784	0.055	0.96
	-10 - 0	0.0451	0.9822	0.0338	0.9648	0.0534	0.9784	0.0611	0.9092	0.1069	0.9306
	0 - 10	-0.0049	0.2873	-0.0018	0.088	0.0438	0.9644	0.001	0.0388		

Cross Section (6)	-40 - -30	0.0391	0.6019			0.0309	0.9875	0.0502	0.9927		
	-30 - -20	0.07	0.9834	0.0766	0.9818	0.0528	0.9986	0.1124	0.9969	0.0437	0.9877
	-20 - -10	0.0508	0.9465	0.0454	0.9304	0.0451	0.9899	0.0151	0.5051	0.0462	0.9948
	-10 - 0	0.0324	0.9497	0.0244	0.9441	0.0417	0.9997	0.0256	0.9905	0.0227	0.9852
	0 - 10	-0.0019	0.1285	-2.00E-05	3.00E-05	-0.0073	0.4203	-0.0022	0.2498		
Cross Section (7)	-40 - -30					0.0278	1	0.116	1		
	-30 - -20	0.0261	0.8539	0.0821	0.95	0.0465	0.9906	0.0933	0.9727	0.0444	0.9962
	-20 - -10	0.0485	0.9625	0.0423	0.7646	0.0515	0.9817	0.0151	0.7436	0.0371	0.9804
	-10 - 0	0.0348	0.9556	0.0252	0.9315	0.0417	0.9944	0.0283	0.989	0.0256	0.9933
	0 - 10	-0.0042	0.2647	0.0008	0.0675	-0.0031	0.1127	0.0007	0.0399		
Cross Section (8)	-30 - -20	0.0125	0.3755	0.005	0.0406	0.0428	0.9918	0.0721	0.9742	0.0196	0.4877
	-20 - -10	0.0403	0.9649	0.0341	0.8258	0.0613	0.9726	0.0123	0.7412	0.0329	0.9404
	-10 - 0	0.0261	0.9635	0.0232	0.9459	0.0402	0.9837	0.0325	0.9932	0.0264	0.9935
	0 - 10	1.00E-04	0.0015	0.0014	0.1577	0.0012	0.1291	0.0022	0.4612	0.0225	0.9954
Cross Section (9)	-50 - -40									0.0917	1
	-40 - -30	0.0049	0.0196	0.0739	0.9063	0.0065	0.8763				
	-30 - -20	0.0326	0.9149	0.1155	0.9512	0.022	0.9914	0.061	0.9981	0.0248	0.5306
	-20 - -10	0.0326	0.9453	0.0293	0.9034			0.0099	0.6525	0.0452	0.9942
	-10 - 0	0.0221	0.9101	0.0193	0.9749			0.0373	0.9993	0.0372	0.9858
	0 - 10	0.0012	0.2337	0.0022	0.4736	-0.0013	0.1465	0.0034	0.8099	0.0045	0.3094
Cross Section (10)	-40 - -30	0.0837	0.9492	0.0502	0.9695					0.1443	1
	-30 - -20	0.0364	0.9587	0.0172	0.8695	0.2133	0.9437	0.087	0.9526	0.0448	0.802
	-20 - -10	0.0246	0.9376	0.035	0.9431	0.0366	0.8445	0.0323	0.7156	0.0285	0.907
	-10 - 0	0.0179	0.9576	0.0165	0.9645	0.0353	0.7733	0.0093	0.7428	0.0311	0.9361
	0 - 10	0.004	0.7219	0.0041	0.9515	0.0022	0.6574	0.0035	0.7839	0.0043	0.7187

		2007	2005	1986	1982	1976
		Slope	Slope	Slope	Slope	Slope
Cross Section (1)	-50 - -40		0.0339			
	-40 - -30	0.1335	0.0599	0.0673	0.1205	
	-30 - -20	0.2026	0.2012	0.1616		
	-20 - -10	0.2361	0.1333	0.0754	0.1071	
	-10 - 0	0.1436			0.0662	0.1799
	0 - 10					0.1126
Cross Section (2)	-60 - -50					
	-50 - -40	0.1501	0.0468	0.0712	0.0446	
	-40 - -30	0.2124	0.1692	0.0933		
	-30 - -20	0.2313	0.1167	0.1179		0.0687
	-20 - -10	0.2662	0.1837			
	-10 - 0	0.1455	0.3884	0.191	0.0868	0.3217
	0 - 10					
Cross Section (3)	-40 - -30			0.0359	0.0753	
	-30 - -20	0.0982				
	-20 - -10	0.1314	0.1393	0.0568	0.0624	0.1555
	-10 - 0	0.1168	0.0654	0.1407		0.1057
	0 - 10					
Cross Section (4)	-50 - -40		0.2603			
	-40 - -30	0.0366	0.243	0.0403	0.0752	0.0168
	-30 - -20		0.1994	0.0497	0.0757	0.0408
	-20 - -10	0.0544	0.0899	0.0672	0.1234	0.0685
	-10 - 0	0.091	0.0537	0.079	0.053	0.1385
	0 - 10	0.0219		0.0198		0.0211
Cross Section (5)	-30 - -20	0.0189	0.0568	0.0384	0.0253	0.019
	-20 - -10		0.0475	0.0435	0.0788	0.055
	-10 - 0	0.0451	0.0338	0.0534	0.0611	0.1069
	0 - 10			0.0438		

Cross Section (6)	-40 - -30			0.0309	0.0502	
	-30 - -20	0.07	0.0766	0.0528	0.1124	0.0437
	-20 - -10	0.0508	0.0454	0.0451		0.0462
	-10 - 0	0.0324	0.0244	0.0417	0.0256	0.0227
	0 - 10					
Cross Section (7)	-40 - -30			0.0278	0.116	
	-30 - -20	0.0261	0.0821	0.0465	0.0933	0.0444
	-20 - -10	0.0485		0.0515		0.0371
	-10 - 0	0.0348	0.0252	0.0417	0.0283	0.0256
	0 - 10					
Cross Section (8)	-30 - -20			0.0428	0.0721	
	-20 - -10	0.0403	0.0341	0.0613		0.0329
	-10 - 0	0.0261	0.0232	0.0402	0.0325	0.0264
	0 - 10					0.0225
Cross Section (9)	-50 - -40					0.0917
	-40 - -30		0.0739	0.0065		
	-30 - -20	0.0326	0.1155	0.022	0.061	
	-20 - -10	0.0326	0.0293			0.0452
	-10 - 0	0.0221	0.0193		0.0373	0.0372
	0 - 10				0.0034	
Cross Section (10)	-40 - -30	0.0837	0.0502			0.1443
	-30 - -20	0.0364	0.0172	0.2133	0.087	0.0448
	-20 - -10	0.0246	0.035	0.0366		0.0285
	-10 - 0	0.0179	0.0165			0.0311
	0 - 10		0.0041			

		Average	Std. Deviation	Average	Std. Deviation	Diff. in Slope	% Difference	Change / Normal Dev.
Cross Section (1)	-50 - -40	0.0339	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-40 - -30	0.0967	0.0520	0.0939	0.0376	0.28	2.94	0.07
	-30 - -20	0.2019	0.0010	0.1616	#DIV/0!	4.03	22.17	#DIV/0!
	-20 - -10	0.1847	0.0727	0.0913	0.0224	9.35	67.73	4.17
	-10 - 0	0.1436	#DIV/0!	0.1231	0.0804	2.06	15.41	0.26
	0 - 10	#DIV/0!	#DIV/0!	0.1126	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Cross Section (2)	-60 - -50	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-50 - -40	0.0985	0.0730	0.0579	0.0188	4.06	51.87	2.16
	-40 - -30	0.1908	0.0305	0.0933	#DIV/0!	9.75	68.64	#DIV/0!
	-30 - -20	0.1740	0.0810	0.0933	0.0348	8.07	60.38	2.32
	-20 - -10	0.2250	0.0583	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-10 - 0	0.2670	0.1718	0.1998	0.1177	6.71	28.76	0.57
	0 - 10	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Cross Section (3)	-40 - -30	#DIV/0!	#DIV/0!	0.0556	0.0279	#DIV/0!	#DIV/0!	#DIV/0!
	-30 - -20	0.0982	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-20 - -10	0.1354	0.0056	0.0916	0.0554	4.38	38.59	0.79
	-10 - 0	0.0911	0.0363	0.1232	0.0247	-3.21	-29.96	-1.30
	0 - 10	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Cross Section (4)	-50 - -40	0.2603	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-40 - -30	0.1398	0.1459	0.0441	0.0294	9.57	104.08	3.26
	-30 - -20	0.1994	#DIV/0!	0.0554	0.0181	14.40	113.03	7.94
	-20 - -10	0.0722	0.0251	0.0864	0.0321	-1.42	-17.94	-0.44
	-10 - 0	0.0724	0.0264	0.0902	0.0438	-1.78	-21.93	-0.41
	0 - 10	0.0219	#DIV/0!	0.0205	0.0009	0.15	6.85	1.58
Cross Section (5)	-30 - -20	0.0379	0.0268	0.0276	0.0099	1.03	31.44	1.04
	-20 - -10	0.0475	#DIV/0!	0.0591	0.0180	-1.16	-21.76	-0.64
	-10 - 0	0.0395	0.0080	0.0738	0.0289	-3.44	-60.66	-1.19
	0 - 10	#DIV/0!	#DIV/0!	0.0438	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Carl Baer

Taking all data in account (30 years)

		2007	2005	1986	1982	1976	Average	Standard Deviation
Cross Section (1)	Area/below 0	26244.63	27579.34	21038.77	20190.00	18359.52	22682.45	4008.44
	Area/below 10	48171.38	49755.37	43142.94	42444.11	40537.82	44810.32	3949.16
	Depth	-34.22	-34.09	-26.88	-26.56	-22.92	-28.93	5.02
	Slope	0.017	0.017	0.017	0.016	0.017	0.014	0.00
	Width	2357.22	2217.60	2355.57	2246.74	2269.53	1907.78	63.93
	Width/below 0	2051.21	2217.60	1978.32	1976.45	1763.16	1664.46	163.60
	Width/below10	2357.22	2217.60	2355.57	2246.74	2269.53	1907.78	63.93
	Wetted Perm./0	2064.32	2232.09	1980.57	1985.40	1770.20	1672.09	166.73
	Wetted Perm./10	2379.66	2252.09	2371.74	2275.69	2295.79	1929.16	57.60
	Cross Section (2)	Area/below 0	28234.69	31417.58	21412.32	20862.80	16656.49	19763.98
Area/below 10		50340.17	54219.26	42913.43	43899.99	39546.93	38486.63	5954.06
Depth		-26.02	-26.40	-29.83	-28.63	-19.90	-21.80	3.84
Slope		0.015	0.014	0.019	0.014	0.014	0.013	0.00
Width		2292.78	2281.85	2270.93	2303.72	2281.85	1905.19	12.46
Width/below 0		2136.40	2243.77	1970.53	2303.72	1720.04	1729.08	235.31
Width/below10		2292.78	2281.85	2270.93	2303.72	2281.85	1905.19	12.46
Wetted Perm./0		2152.26	2265.21	1982.67	2312.50	1728.17	1740.14	237.96
Wetted Perm./10		2316.94	2322.42	2298.95	2332.50	2308.79	1929.93	12.81
Cross Section (3)		Area/below 0	25594.53	23633.02	24528.95	23372.82	19158.28	19381.27
	Area/below 10	47059.81	43876.77	46358.41	46119.01	41787.12	37533.52	2174.65
	Depth	-26.76	-24.30	-32.42	-29.11	-23.05	-22.61	3.76
	Slope	0.014	0.014	0.019	0.016	0.016	0.013	0.00
	Width	2249.51	2260.72	2249.51	2260.72	2257.27	1879.62	5.69
	Width/below 0	2016.31	1817.79	2069.36	2106.04	1599.12	1601.44	211.89
	Width/below10	2249.51	2085.88	2249.51	2260.72	2257.27	1850.48	75.46
	Wetted Perm./0	2026.15	1824.21	2082.62	2115.73	1602.25	1608.49	215.43
	Wetted Perm./10	2269.54	2103.81	2278.60	2291.40	2281.94	1870.88	79.35

Cross Section (4)	Area/below 0	25250.33	23300.39	23821.55	22944.85	20351.40	19278.09	1785.91
	Area/below 10	45989.83	43793.05	44759.28	44055.80	41057.05	36609.17	1817.90
	Depth	-27.14	-27.17	-31.74	-27.80	-26.18	-23.34	2.17
	Slope	0.017	0.017	0.022	0.014	0.019	0.015	0.00
	Width	2140.25	2148.86	2144.53	2118.39	2133.61	1780.94	11.89
	Width/below 0	1932.74	1773.21	1911.58	2025.59	1818.46	1576.93	99.26
	Width/below10	2140.25	2148.86	2144.53	2118.39	2133.61	1780.94	11.89
	Wetted Perm./0	1941.61	1779.66	1924.61	2045.83	1825.85	1586.26	104.31
	Wetted Perm./10	2159.47	2174.60	2173.62	2157.52	2158.31	1803.92	8.62
	Area/below 0	26272.227	23628.56	29639.051	29341.21	25353.83	22372.48	2594.94
Cross Section (5)	Area/below 10	48828.859	46411.07	52209.846	52156.98	47462.99	41178.29	2669.60
	Depth	-26.759	-24.62	-37.100	-32.35	-35.54	-26.06	5.43
	Slope	0.018	0.017	0.03	0.02	0.03	0.019	0.01
	Width	2369.51	2365.40	2365.40	2343.41	2343.41	1964.52	12.91
	Width/below 0	2011.93	1914.18	1750.19	1989.04	1771.33	1572.78	121.30
	Width/below10	2369.51	2365.40	2365.40	2343.41	2343.41	1964.52	12.91
	Wetted Perm./0	2018.19	1919.13	1763.10	2008.70	1782.33	1581.91	121.16
	Wetted Perm./10	2384.22	2379.11	2394.49	2380.39	2371.67	1984.98	8.34
	Area/below 0	24766.73	23288.89	30170.20	28701.82	20466.98	21232.44	3962.90
	Area/below 10	47290.60	46215.79	52323.22	51476.98	42091.62	39899.70	4162.41
Cross Section (6)	Depth	-29.09	-26.22	-36.75	-31.65	-25.11	-24.80	4.66
	Slope	0.024	0.023	0.027	0.022	0.031	0.021	0.00
	Width	2339.32	2343.41	2339.32	2335.28	2339.32	1949.44	2.87
	Width/below 0	1813.11	2141.67	1750.85	1902.06	1488.82	1516.08	237.02
	Width/below10	2339.32	2343.41	2339.32	2335.28	2339.32	1949.44	2.87
	Wetted Perm./0	1826.33	2146.49	1765.70	1928.37	1490.96	1526.31	239.23
	Wetted Perm./10	2364.55	2364.63	2370.02	2378.85	2358.83	1972.81	7.54

Cross Section (7)	Area/below 0	24087.98	26101.97	27560.54	23838.49	19539.26	20188.04	3032.04
	Area/below 10	44882.29	46906.16	48190.19	45723.23	39531.90	37538.96	3325.54
	Depth	-34.80	-32.07	-31.69	-29.39	-26.64	-25.77	3.07
	Slope	0.023	0.024	0.035	0.033	0.034	0.025	0.01
	Width	2201.95	2201.95	2212.96	2212.96	2221.16	1841.83	8.24
	Width/below 0	1609.20	1534.54	1533.00	1622.53	1357.11	1276.06	105.77
	Width/below10	2201.95	2201.95	2212.96	2212.96	2221.16	1841.83	8.24
	Wetted Perm./0	1622.80	1551.09	1535.10	1624.34	1358.63	1281.99	108.39
	Wetted Perm./10	2227.14	2235.19	2234.32	2242.74	2238.20	1862.93	5.72

Years 1986-1976 (Before Weirs were built)

		Average	Standard Deviation
Cross Section (1)	Area/below 0	19862.76	1369.27
	Area/below 10	42041.63	1348.39
	Depth	-25.45	2.20
	Slope	0.017	0.001
	Width	2290.62	57.40
	Width/below 0	1905.98	123.68
	Width/below10	2290.62	57.40
	Wetted Perm./0	1912.05	122.88
	Wetted Perm./10	2314.40	50.66
	Cross Section (2)	Area/below 0	19643.87
Area/below 10		42120.12	122.88
Depth		-26.12	50.66
Slope		0.02	2601.693
Width		2285.50	2282.39
Width/below 0		1998.09	5.42
Width/below10		2285.50	0.00
Wetted Perm./0		2007.78	16.70
Wetted Perm./10		2313.41	292.82
Cross Section (3)		Area/below 0	22353.35
	Area/below 10	44754.85	2572.91
	Depth	-28.19	4.75
	Slope	0.017	0.002
	Width	2255.83	5.74
	Width/below 0	1924.84	282.68
	Width/below10	2255.83	5.74
	Wetted Perm./0	1933.53	287.38
	Wetted Perm./10	2283.98	6.64

Cross Section (4)	Area/below 0	22372.60	1804.46
	Area/below 10	43290.71	1966.13
	Depth	-28.57	2.86
	Slope	0.018	0.004
	Width	2132.18	13.13
	Width/below 0	1918.54	103.74
	Width/below10	2132.18	13.13
	Wetted Perm./0	1932.10	110.18
	Wetted Perm./10	2132.18	13.13
Cross Section (5)	Area/below 0	28111.361	103.738
	Area/below 10	50609.937	13.13
	Depth	-34.998	110.18
	Slope	0.026	0.00
	Width	2350.739	12.70
	Width/below 0	1836.852	132.22
	Width/below10	2350.739	12.70
	Wetted Perm./0	1851.376	136.58
	Wetted Perm./10	2382.184	11.51
Cross Section (6)	Area/below 0	26446.33	5230.06
	Area/below 10	48630.61	5678.71
	Depth	-31.17	5.84
	Slope	0.027	0.005
	Width	2337.97	2.33
	Width/below 0	1713.91	209.08
	Width/below10	2337.97	2.33
	Wetted Perm./0	1728.34	221.08
	Wetted Perm./10	2369.23	10.03

Cross Section (7)	Area/below 0	23646.10	4014.10
	Area/below 10	44481.77	4460.65
	Depth	-29.24	2.53
	Slope	0.034	0.001
	Width	2215.70	4.73
	Width/below 0	1504.21	135.03
	Width/below10	2215.70	4.73
	Wetted Perm./0	1506.03	135.22
	Wetted Perm./10	2238.42	4.21

Only 2007 and 2005 (After Weirs were built) Before and after

		Average	Standard Deviation
Cross Section (1)	Area/below 0	26911.98	15551.97
	Area/below 10	48963.37	1120.05
	Depth	-34.16	0.10
	Slope	0.017	0.000
	Width	2287.41	98.72
	Width/below 0	2134.41	117.66
	Width/below10	2287.41	98.72
	Wetted Perm./0	2148.20	118.63
	Wetted Perm./10	2315.87	90.21
Cross Section (2)	Area/below 0	29826.13	17293.51
	Area/below 10	52279.72	2742.93
	Depth	-26.21	0.27
	Slope	0.01	0.008
	Width	2287.32	7.73
	Width/below 0	2190.08	75.93
	Width/below10	2287.32	7.73
	Wetted Perm./0	2208.74	1276.46
	Wetted Perm./10	2319.68	1339.27
Cross Section (3)	Area/below 0	36878.25	981.98
	Area/below 10	68647.49	1672.44
	Depth	-41.74	4.16
	Slope	0.014	0.008
	Width	3379.87	6.47
	Width/below 0	2951.73	132.61
	Width/below10	3292.45	94.47
	Wetted Perm./0	2966.49	135.85
	Wetted Perm./10	3325.97	98.41

Differences	Percent Difference
7049.22	30.1
6921.75	15.2
-8.71	-29.2
0.000	2.9
-3.20	0.1
228.43	11.3
-3.20	0.1
236.15	11.6
1.47	0.1
10182.26	41.2
10159.60	21.5
-0.09	-0.4
-0.001	8.3
1.82	0.1
191.99	9.2
1.82	0.1
200.95	9.5
6.26	0.3
14524.90	49.0
23892.65	42.1
-13.543	-38.7
-0.003	19.3
1124.04	39.9
1026.89	42.1
1036.62	37.4
1032.96	42.2
1041.99	37.1

Cross Section (4)	Area/below 0	24275.36	14049.26
	Area/below 10	44891.44	25941.35
	Depth	-27.16	15.68
	Slope	0.017	0.010
	Width	2144.56	1238.17
	Width/below 0	1852.97	1072.78
	Width/below10	2144.56	1238.17
	Wetted Perm./0	1860.63	1077.29
	Wetted Perm./10	2167.04	1251.16
Cross Section (5)	Area/below 0	24950.39	14465.63
	Area/below 10	47619.97	27519.96
	Depth	-25.69	14.87
	Slope	0.017	0.010
	Width	2367.46	1366.85
	Width/below 0	1963.06	1134.42
	Width/below10	2367.46	1366.85
	Wetted Perm./0	1968.66	1137.68
	Wetted Perm./10	2381.66	1375.06
Cross Section (6)	Area/below 0	24027.81	13892.13
	Area/below 10	46753.19	26998.32
	Depth	-27.66	16.03
	Slope	0.024	0.014
	Width	2341.36	1351.79
	Width/below 0	1977.39	1153.41
	Width/below10	2341.36	1351.79
	Wetted Perm./0	1986.41	1157.97
	Wetted Perm./10	2364.59	1365.20

1902.76	8.2
1600.73	3.6
1.42	-5.1
-0.002	8.8
12.38	0.6
-65.57	3.5
12.38	0.6
-71.46	3.8
34.86	1.6
-3160.970	11.9
-2989.972	6.1
9.309	-30.7
-0.008	38.2
16.716	0.7
126.205	6.6
16.716	0.7
117.283	6.1
-0.520	0.0
-2418.52	9.6
-1877.41	3.9
3.514	-11.9
-0.003	13.0
3.39	0.1
263.48	14.3
3.39	0.1
258.07	13.9
-4.64	0.2

Cross Section (7)	Area/below 0	25094.97	14523.54
	Area/below 10	45894.23	26516.36
	Depth	-33.44	19.35
	Slope	0.024	0.014
	Width	2201.95	1271.30
	Width/below 0	1571.87	908.29
	Width/below10	2201.95	1271.30
	Wetted Perm./0	1586.95	916.92
	Wetted Perm./10	2231.16	1288.17

1448.88	5.9
1412.46	3.1
-4.194	-13.4
-0.010	36.2
-13.75	0.6
67.66	4.4
-13.75	0.6
80.92	5.2
-7.26	0.3

		2007		2005		1986		1982		1976	
		Slope	R2 Value	Slope	R2 Value	Slope	R2 Value	Slope	R2 Value	Slope	R2 Value
Cross Section (1)	-40 - -30	0.042	0.8819	0.0295	0.9762						
	-30 - -20	0.0392	0.8936	0.0763	0.9722	0.0441	0.9871	0.0214	0.9692	0.0217	0.9951
	-20 - -10	0.0115	0.8129	0.0142	0.9323	0.0146	0.9131	0.0327	0.78	0.0015	0.0125
	-10 - 0	0.0074	0.8386	0.008	0.9344	0.0062	0.79	0.0098	0.8484	0.013	0.9564
	0 - 10	0.0643	0.7009			0.0165	0.6448	0.0132	0.1865	0.0061	0.1555
Cross Section (2)	-30 - -20	0.0326	0.9627	0.002	0.3605	0.0575	0.983	0.044	0.9848		
	-20 - -10	0.002	0.1285	0.0027	0.1812	0.0256	0.9171	0.0224	0.9907	0.0153	0.8456
	-10 - 0	0.0054	0.5485	0.002	0.0503	0.0046	0.1714	0.0035	0.3581	0.0076	0.6675
	0 - 10	0.0571	0.7689	0.1429	0.3221	0.0184	0.5425			0.0068	0.2745
Cross Section (3)	-40 - -30					0.0575	0.9841				
	-30 - -20	0.0096	0.4948	0.0028	0.1079	0.0273	0.9508	0.0307	0.9716	0.0088	0.954
	-20 - -10	0.0135	0.9693	0.0132	0.8214	0.0382	0.9733	0.0191	0.97	0.0231	0.9874
	-10 - 0	0.0066	0.4834	0.0099	0.7912	0.007	0.7478	0.0046	0.5359	0.011	0.7887
	0 - 10	0.0492	0.8258	0.0132	0.2609	0.0346	0.6192	0.0646	1	0.0132	0.3288
Cross Section (4)	-40 - -30					0.0315	1				
	-30 - -20	0.0292	0.9863	0.0251	0.9648	0.0409	0.963	0.0078	0.3122	0.025	0.9489
	-20 - -10	0.0112	0.6974	0.0167	0.957	0.051	0.9948	0.0101	0.6776	0.0326	0.9987
	-10 - 0	0.0119	0.9334	0.0129	0.9556	0.0087	0.8343	0.0096	0.8243	0.0102	0.8432
	0 - 10	0.039	0.6766	0.0178	0.4729	0.0281	0.6966	0.0638	0.396	0.0193	0.5379
Cross Section (5)	-40 - -30					0.0236	0.7546	0.0373	1	0.0791	1
	-30 - -20	0.0202	0.8266	0.0121	0.6716	0.0367	0.9852	0.0227	0.8893	0.0343	0.9815
	-20 - -10	0.0203	0.8605	0.0244	0.7635	0.0409	0.9992	0.0274	0.9786	0.0391	0.996
	-10 - 0	0.0123	0.9188	0.0117	0.9812	0.0147	0.9536	0.0107	0.836	0.0147	0.9719
	0 - 10	0.035	0.6968	0.0136	0.4337	0.0092	0.6476	0.0163	0.5047	0.0105	0.5706
Cross Section (6)	-40 - -30					0.0112	0.2971	0.0445	0.9979		
	-30 - -20	0.0296	0.7772	0.041	0.8827	0.0155	0.8292	0.0551	0.9906	0.0182	0.7021
	-20 - -10	0.0441	0.9276	0.0313	0.9589	0.0361	0.9981	0.0218	0.8767	0.0311	0.9914
	-10 - 0	0.0095	0.8791	0.0089	0.8779	0.0232	0.9104	0.017	0.9351	0.0264	0.994
	0 - 10	0.0121	0.3781	0.0065	0.4357	0.0078	0.4216	0.0115	0.505	0.0089	0.6276

Cross Section (7)	-40 - -30	0.2613	0.8983	0.3607	1	0.0308	0.961				
	-30 - -20	0.0028	0.1534	-0.0017	0.018	0.0376	0.9949	0.0467	0.9611	0.0234	0.883
	-20 - -10	0.0042	0.3222	0.0305	0.9823	0.0453	0.9961	0.0415	0.9987	0.0483	0.9671
	-10 - 0	0.0133	0.5073	0.0184	0.768	0.0262	0.9556	0.0217	0.9515	0.0301	0.9327
	0 - 10	0.0058	0.1612	0.0078	0.698	0.0116	0.6833	0.0128	0.5044	0.0095	0.5694

		2007	2005	1986	1982	1976
		Slope	Slope	Slope	Slope	Slope
Cross Section (1)	-40 - -30	0.042	0.0295			
	-30 - -20	0.0392	0.0763	0.0441	0.0214	0.0217
	-20 - -10	0.0115	0.0142	0.0146		
	-10 - 0	0.0074	0.008		0.0098	0.013
	0 - 10					
Cross Section (2)	-30 - -20	0.0326		0.0575	0.044	
	-20 - -10			0.0256	0.0224	0.0153
	-10 - 0					
	0 - 10					
Cross Section (3)	-40 - -30			0.0575		
	-30 - -20			0.0273	0.0307	0.0088
	-20 - -10	0.0135	0.0132	0.0382	0.0191	0.0231
	-10 - 0					
	0 - 10	0.0492			0.0646	
Cross Section (4)	-40 - -30			0.0315		
	-30 - -20	0.0292	0.0251	0.0409		0.025
	-20 - -10		0.0167	0.051		0.0326
	-10 - 0	0.0119	0.0129	0.0087	0.0096	0.0102
	0 - 10					
Cross Section (5)	-40 - -30				0.0373	0.0791
	-30 - -20	0.0202		0.0367	0.0227	0.0343
	-20 - -10	0.0203		0.0409	0.0274	0.0391
	-10 - 0	0.0123	0.0117	0.0147	0.0107	0.0147
	0 - 10					
Cross Section (6)	-40 - -30				0.0445	
	-30 - -20		0.041	0.0155	0.0551	
	-20 - -10	0.0441	0.0313	0.0361	0.0218	0.0311
	-10 - 0	0.0095	0.0089	0.0232	0.017	0.0264
	0 - 10					

Cross Section (7)	-40 - -30	0.2613	0.3607	0.0308		
	-30 - -20			0.0376	0.0467	0.0234
	-20 - -10		0.0305	0.0453	0.0415	0.0483
	-10 - 0			0.0262	0.0217	0.0301
	0 - 10					

Davis

Taking all data in account (30 years)

		2007	2005	1986	1982	1976	Average	Standard Deviation
Cross Section (1)	Area/below 0	26289.69	31052.72	21492.54	19436.44	20669.53	19823.49	4820.91
	Area/below 10	43850.98	71153.55	47377.29	38108.28	52019.51	50501.92	12613.42
	Depth	-24.40	-26.54	-23.18	-24.57	-21.30	-24.00	1.93
	Slope	-0.016	-0.014	-0.018	-0.018	-0.016	-0.017	0.00
	Width	3614.89	3464.46	3595.19	3579.95	3555.10	3561.92	58.70
	Width/below 0	1693.41	2112.81	1588.35	1638.35	1723.65	1751.31	208.64
	Width/below10	1841.41	3464.46	3595.19	2122.75	3469.49	2898.66	844.24
	Wetted Perm./0	1700.48	2130.64	1590.23	1640.83	1729.46	1758.33	214.98
	Wetted Perm./10	1850.36	3514.74	3613.88	2127.25	3656.89	2952.62	886.77
	Cross Section (2)	Area/below 0	27247.15	32389.90	20997.94	24365.74	21212.98	21035.62
Area/below 10		42661.66	71598.89	45649.87	41913.19	53621.54	51089.03	12367.99
Depth		-25.48	-24.14	-22.47	-25.72	-21.26	-23.81	1.93
Slope		-0.009	-0.015	-0.019	-0.019	-0.017	-0.016	0.00
Width		3639.52	3391.59	3556.93	3550.64	3529.04	3533.55	89.78
Width/below 0		1482.08	2095.18	1390.81	1499.25	1737.20	1640.91	284.38
Width/below10		1605.66	3391.59	3556.93	1978.91	3529.04	2812.43	942.64
Wetted Perm./0		1488.31	2112.33	1393.56	1503.30	1742.87	1648.07	289.73
Wetted Perm./10		1613.53	3440.94	3576.11	1984.71	3558.97	2834.85	955.97
Cross Section (3)		Area/below 0	30515.48	32412.36	21846.11	26803.27	22608.93	26005.38
	Area/below 10	45006.47	70351.91	46581.18	43728.62	53302.33	50925.28	11010.97
	Depth	-29.69	-25.23	-21.02	-29.92	-19.24	-24.35	4.88
	Slope	-0.158	-0.022	-0.020	-0.024	-0.015	-0.04	0.06
	Width	3509.20	3322.78	3464.39	3473.41	3439.33	3445.58	71.11
	Width/below 0	1395.36	2113.01	1427.08	1418.57	1788.91	1595.00	316.02
	Width/below10	1482.82	3322.78	3464.39	1889.44	3439.33	2843.86	955.95
	Wetted Perm./0	1402.96	2128.47	1430.04	1423.05	1794.97	1601.59	320.10
	Wetted Perm./10	1506.38	3369.83	3483.69	1895.61	3468.55	2867.96	963.75

Cross Section (4)	Area/below 0	27511.76	32399.12	23219.51	25515.09	24677.56	22220.50	3561.63
	Area/below 10	42982.68	68104.81	48772.59	41740.01	55163.89	42794.00	10773.54
	Depth	-25.80	-26.25	-20.16	-28.96	-20.64	-20.30	3.82
	Slope	-0.028	-0.020	-0.023	-0.028	-0.018	-0.02	0.00
	Width	3504.37	3239.75	3389.29	3419.82	3384.09	2822.89	95.59
	Width/below 0	1465.25	2118.66	1521.14	1440.81	1856.06	1400.32	296.64
	Width/below10	1627.47	3239.75	3389.29	1804.18	3384.09	2240.80	892.56
	Wetted Perm./0	1470.33	2130.83	1522.85	1446.99	1861.79	1405.46	299.60
	Wetted Perm./10	1633.85	3808.87	3407.09	1812.45	3413.97	2346.04	1012.09
	Area/below 0	28381.56	30988.45	21981.22	21140.34	23518.83	21001.73	4280.66
Cross Section (5)	Area/below 10	46151.44	63513.48	48031.48	37743.05	54178.98	41603.07	9604.27
	Depth	-23.12	-23.65	-18.20	-22.20	-16.10	-17.21	3.32
	Slope	-0.027	-0.018	-0.018	-0.019	-0.011	-0.015	0.01
	Width	3360.44	3141.39	3254.31	3304.69	3270.10	2721.82	80.77
	Width/below 0	1704.40	2137.22	1634.67	1545.16	1925.04	1491.08	239.89
	Width/below10	1841.38	3141.39	3254.31	1833.27	3270.10	2223.41	760.01
	Wetted Perm./0	1709.18	2147.66	1636.99	1547.28	1929.24	1495.06	242.94
	Wetted Perm./10	1847.97	3181.97	3272.32	1836.69	3291.46	2238.40	771.36

Years 1986-1976 (Before Weirs were built)

		Average	Standard Deviation
Cross Section (1)	Area/below 0	20532.84	1034.84
	Area/below 10	45835.03	7082.69
	Depth	-23.02	1.64
	Slope	-0.018	0.00
	Width	3576.75	20.24
	Width/below 0	1650.11	68.41
	Width/below10	3062.48	816.25
	Wetted Perm./0	1653.50	70.48
	Wetted Perm./10	3132.67	870.99
	Cross Section (2)	Area/below 0	22192.22
Area/below 10		47061.53	5980.46
Depth		-23.15	2.31
Slope		-0.018	0.00
Width		3545.54	14.63
Width/below 0		1542.42	177.18
Width/below10		3021.63	903.12
Wetted Perm./0		1546.58	178.63
Wetted Perm./10		3039.93	913.89
Cross Section (3)		Area/below 0	16470.74
	Area/below 10	32343.65	6769.64
	Depth	-16.39	7.55
	Slope	-0.013	0.01
	Width	2304.25	24.10
	Width/below 0	1069.16	261.87
	Width/below10	1776.26	1095.93
	Wetted Perm./0	1072.67	262.99
	Wetted Perm./10	1788.05	1112.23

Cross Section (4)	Area/below 0	24470.72	1161.68
	Area/below 10	48558.83	6714.49
	Depth	-23.25	4.95
	Slope	-0.023	0.01
	Width	3397.73	19.31
	Width/below 0	1606.00	220.25
	Width/below10	2859.19	913.67
	Wetted Perm./0	1610.54	220.87
	Wetted Perm./10	2877.84	922.66
Cross Section (5)	Area/below 0	22213.46	1206.14
	Area/below 10	46651.17	8304.45
	Depth	-18.84	3.10
	Slope	-0.016	0.00
	Width	3276.37	25.77
	Width/below 0	1701.62	198.59
	Width/below10	2785.89	825.03
	Wetted Perm./0	1704.50	199.73
	Wetted Perm./10	2800.15	834.44

Only 2007 and 2005 (After Weirs were built)

Before and after

		Average	Standard Deviation
Cross Section (1)	Area/below 0	28671.21	16723.76
	Area/below 10	57502.26	19305.83
	Depth	-25.47	1.51
	Slope	-0.015	0.00
	Width	3539.67	106.37
	Width/below 0	1903.11	296.56
	Width/below10	2652.94	1147.66
	Wetted Perm./0	1915.56	304.17
	Wetted Perm./10	2682.55	1176.90
Cross Section (2)	Area/below 0	29818.53	17406.71
	Area/below 10	57130.27	20461.71
	Depth	-24.81	0.95
	Slope	-0.012	0.00
	Width	3515.56	175.31
	Width/below 0	1788.63	433.53
	Width/below10	2498.63	1262.85
	Wetted Perm./0	1800.32	441.25
	Wetted Perm./10	2527.23	1292.18
Cross Section (3)	Area/below 0	42386.97	5633.26
	Area/below 10	80969.78	14200.46
	Depth	-37.97	4.34
	Slope	-0.100	0.08
	Width	5148.18	97.31
	Width/below 0	2467.73	405.49
	Width/below10	4134.99	1105.45
	Wetted Perm./0	2480.74	411.28
	Wetted Perm./10	4179.95	1110.19

Differences	Percent Difference
8138.37	33.1
11667.24	22.6
-2.45	-10.1
0.002	-13.7
-37.08	1.0
253.00	14.2
-409.54	14.3
262.06	14.7
-450.12	15.5
7626.31	29.3
10068.74	19.3
-1.66	-6.9
0.007	-44.3
-29.98	0.8
246.21	14.8
-523.00	18.9
253.74	15.2
-512.70	18.4
25916.24	88.1
48626.13	85.8
-21.58	-79.4
-0.087	-154.3
2843.94	76.3
1398.57	79.1
2358.74	79.8
1408.07	79.3
2391.89	80.2

Cross Section (4)	Area/below 0	29955.44	17466.57
	Area/below 10	55543.75	34440.52
	Depth	-26.03	15.03
	Slope	-0.024	0.01
	Width	3372.06	1951.35
	Width/below 0	1791.96	1084.95
	Width/below10	2433.61	1619.88
	Wetted Perm./0	1800.58	1090.76
	Wetted Perm./10	2721.36	1910.83
Cross Section (5)	Area/below 0	29685.00	17188.14
	Area/below 10	54832.46	32826.21
	Depth	-23.38	13.50
	Slope	-0.023	0.01
	Width	3250.91	1880.11
	Width/below 0	1920.81	1129.90
	Width/below10	2491.38	1578.45
	Wetted Perm./0	1928.42	1134.75
	Wetted Perm./10	2514.97	1597.89

5484.72	20.2
6984.92	13.4
-2.77	-11.3
-0.001	-5.2
-25.67	0.8
185.96	10.9
-425.58	16.1
190.04	11.1
-156.48	5.6
7471.54	28.8
8181.29	16.1
-4.55	-21.5
-0.007	-34.7
-25.46	0.8
219.19	12.1
-294.51	11.2
223.92	12.3
-285.18	10.7

		2007		2005		1986		1982		1976	
		Slope	R2 Value	Slope	R2 Value	Slope	R2 Value	Slope	R2 Value	Slope	R2 Value
Cross Section (1)	-30 - -20	-0.0211	0.8723	-0.018	0.7101	-0.0136	0.9514	-0.0544	1	-0.0215	1
	-20 - -10	-0.0023	0.2485	-0.007	0.7914	-0.0196	0.9806	-0.0228	0.9236	-0.0096	0.6963
	-10 - 0	-0.1906	0.8186	-0.021	0.998	-0.0212	0.7384	-0.0112	0.6347	-0.0192	0.5255
	0 - 10	-0.1253	0.9664	0.004	0.1095	-7.00E-06	2.00E-06	-0.0188	0.4689	-0.0029	0.4657
Cross Section (2)	-30 - -20	-0.0164	0.6148	-0.0061	0.6166	-0.0069	0.5916	-0.0121	0.6954	-0.022	1
	-20 - -10	-0.0022	0.0943	-0.0107	0.9292	-0.0083	0.5843	-0.0084	0.5581	-0.0064	0.5038
	-10 - 0					-0.0898	0.9555	-0.0189	0.6804		
	0 - 10			0.0039	0.099	0.0003	0.0039	-0.0214	0.7217	-0.003	0.4072
Cross Section (3)	-30 - -20	-0.0355	0.9328	-0.0348	0.9941	-0.0163	1	-0.0125	0.923		
	-20 - -10			-0.0205	0.9563	-0.0073	0.5401	-0.0133	0.571	-0.0019	0.0612
	-10 - 0	-0.1648	1			-0.0854	0.989	-0.0623	0.9481		
	0 - 10	-0.164	0.9999	0.0036	0.0803	0.0003	0.0052	-0.0252	0.9475	-0.0031	0.3915
Cross Section (4)	-30 - -20	-0.0024	0.0405	-0.0123	0.6443	-0.0166	1	-0.0292	0.8964	-0.0313	0.6758
	-20 - -10	-0.0079	0.4276	-0.0245	0.9844	-0.009	0.585	-0.0227	0.916	-0.0001	0.0003
	-10 - 0	-0.1064	0.9988					-0.0385	0.9892		
	0 - 10			0.0095	0.9762	0.0023	0.2543			-0.0012	0.6055
Cross Section (5)	-30 - -20	-0.0158	0.6262	-0.0093	0.6726			-0.0135	0.4051		
	-20 - -10	-0.0107	0.455	-0.0224	0.5277	-0.0059	0.5202	-0.009	0.8095	-0.0023	0.3906
	-10 - 0	-0.0667	0.9614			-0.0374	0.9537	-0.0382	0.9423	-0.0741	0.996
	0 - 10	-0.1038	0.965	0.0094	0.9833	0.0016	0.1226	-0.0382	0.931	-0.0016	0.6678

		2007	2005	1986	1982	1976
		Slope	Slope	Slope	Slope	Slope
Cross Section (1)	-30 - -20	-0.0211		-0.0136	-0.0544	-0.0215
	-20 - -10			-0.0196	-0.0228	
	-10 - 0	-0.1906	-0.021			
	0 - 10	-0.1253				
Cross Section (2)	-30 - -20					-0.022
	-20 - -10		-0.0107			
	-10 - 0			-0.0898		
	0 - 10					
Cross Section (3)	-30 - -20	-0.0355	-0.0348	-0.0163	-0.0125	
	-20 - -10		-0.0205			
	-10 - 0	-0.1648		-0.0854	-0.0623	
	0 - 10	-0.164			-0.0252	
Cross Section (4)	-30 - -20			-0.0166	-0.0292	
	-20 - -10		-0.0245		-0.0227	
	-10 - 0	-0.1064			-0.0385	
	0 - 10		0.0095			
Cross Section (5)	-30 - -20					
	-20 - -10				-0.009	
	-10 - 0	-0.0667		-0.0374	-0.0382	-0.0741
	0 - 10	-0.1038	0.0094		-0.0382	

		Average	Std. Deviation	Average	Std. Deviation	Diff. in Slope	% Difference	Change / Normal Dev.
Cross Section (1)	-30 - -20	-0.0211	#DIV/0!	-0.0298	0.0216	0.87	34.29	0.40
	-20 - -10	#DIV/0!	#DIV/0!	-0.0212	0.0023	#DIV/0!	#DIV/0!	#DIV/0!
	-10 - 0	-0.1058	0.1199	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	0 - 10	-0.1253	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Cross Section (2)	-30 - -20	#DIV/0!	#DIV/0!	-0.0220	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-20 - -10	-0.0107	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-10 - 0	#DIV/0!	#DIV/0!	-0.0898	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	0 - 10	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Cross Section (3)	-30 - -20	-0.0352	0.0005	-0.0144	0.0027	-2.08	-83.75	-7.72
	-20 - -10	-0.0205	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-10 - 0	-0.1648	#DIV/0!	-0.0739	0.0163	-9.10	-76.22	-5.57
	0 - 10	-0.1640	#DIV/0!	-0.0252	#DIV/0!	-13.88	-146.72	#DIV/0!
Cross Section (4)	-30 - -20	#DIV/0!	#DIV/0!	-0.0229	0.0089	#DIV/0!	#DIV/0!	#DIV/0!
	-20 - -10	-0.0245	#DIV/0!	-0.0227	#DIV/0!	-0.18	-7.63	#DIV/0!
	-10 - 0	-0.1064	#DIV/0!	-0.0385	#DIV/0!	-6.79	-93.72	#DIV/0!
	0 - 10	0.0095	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Cross Section (5)	-30 - -20	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-20 - -10	#DIV/0!	#DIV/0!	-0.0090	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-10 - 0	-0.0667	#DIV/0!	-0.0499	0.0210	-1.68	-28.82	-0.80
	0 - 10	-0.0472	0.0800	-0.0382	#DIV/0!	-0.90	-21.08	#DIV/0!

Dogtooth

Taking all data in account (30 years)

		2007	2005	1986	1982	1976	Average	Standard Deviation
Cross Section (1)	Area/below 0	18683.86	14490.17	20679.72	13682.59	18329.25	17173.12	2970.57
	Area/below 10	42481.36	37052.03	42131.15	34499.11	42286.57	39690.04	3687.73
	Depth	-22.99	-16.35	-18.17	-13.01	-14.08	-16.92	3.94
	Slope	0.013	0.010	0.009	0.008	0.007	0.010	0.00
	Width	2474.73	2743.28	2689.58	2789.10	2707.78	2680.89	121.35
	Width/below 0	1876.67	1686.44	1872.39	1903.56	2142.56	1896.32	162.55
	Width/below10	2466.49	2429.89	2250.94	2284.50	2659.87	2418.34	163.34
	Wetted Perm./0	1881.56	1693.57	1875.24	1904.32	2144.10	1899.76	160.60
	Wetted Perm./10	2474.46	2440.77	2261.02	2285.83	2664.06	2425.23	162.87
	Cross Section (2)	Area/below 0	22522.79	15668.44	19542.05	16809.88	17663.18	18441.27
Area/below 10		43074.02	35535.06	42472.63	34875.35	42672.82	39725.98	4139.14
Depth		-38.92	-25.56	-28.07	-20.64	-24.24	-27.49	6.93
Slope		0.034	0.018	0.015	0.014	0.012	0.019	0.01
Width		2396.27	2408.67	2624.10	2580.16	2631.69	2528.18	116.51
Width/below 0		1287.55	1444.60	2040.54	1669.89	2184.28	1725.37	381.94
Width/below10		2324.02	2256.68	2256.01	1844.30	2621.62	2260.53	277.35
Wetted Perm./0		1297.63	1455.75	2048.29	1671.89	2188.07	1732.33	379.68
Wetted Perm./10		2339.89	2275.42	2273.24	1855.02	2631.05	2274.92	277.20
Cross Section (3)		Area/below 0	17236.69	15932.18	16140.68	21257.63	2051.20	14523.68
	Area/below 10	30424.90	32388.18	35399.85	38737.62	27089.50	32808.01	4484.27
	Depth	-37.93	-30.44	-37.86	-33.05	-15.28	-30.91	9.31
	Slope	0.047	0.026	0.029	0.026	0.011	0.028	0.01
	Width	1652.27	2485.10	2393.09	2499.06	2468.10	2299.52	364.13
	Width/below 0	941.25	1109.30	1443.17	1449.15	668.54	1122.28	334.90
	Width/below10	1612.38	1928.98	2130.83	1864.36	2461.80	1999.67	317.83
	Wetted Perm./0	949.15	1115.59	1449.56	1462.15	669.25	1129.14	338.25
	Wetted Perm./10	1626.48	1945.15	2147.60	1880.00	2463.32	2012.51	313.29

Cross Section (4)	Area/below 0	17939.60	16693.86	21872.52	19593.78	19681.16	19156.18	1961.42
	Area/below 10	29294.27	30424.17	39062.53	34321.09	37579.61	34136.34	4283.21
	Depth	-32.90	-30.31	-33.35	-34.44	-31.79	-32.56	1.57
	Slope	0.040	0.031	0.041	0.041	0.059	0.042	0.01
	Width	1360.40	2192.72	2214.38	2253.33	2130.18	2030.20	377.08
	Width/below 0	963.18	1075.50	1057.56	1278.16	889.67	1052.81	146.60
	Width/below10	1318.16	1744.38	2214.38	1701.47	2108.99	1817.48	357.29
	Wetted Perm./0	971.17	1085.00	1068.04	1285.55	895.48	1061.05	147.07
	Wetted Perm./10	1330.74	1758.76	2238.69	1710.25	2120.83	1831.85	360.65
	Area/below 0	20180.40	21587.45	20522.54	28024.66	27978.08	23658.62	3998.21
Cross Section (5)	Area/below 10	33553.83	36975.79	40606.83	42786.82	49558.44	40696.34	6078.09
	Depth	-33.83	-42.43	-34.71	-45.15	-41.39	-39.50	4.98
	Slope	0.030	0.042	0.035	0.044	0.057	0.042	0.01
	Width	1631.29	2264.86	2618.97	1999.21	2650.41	2232.95	430.39
	Width/below 0	1244.93	1176.67	1262.01	1240.70	1076.27	1200.12	76.44
	Width/below10	1595.06	1795.85	2618.97	1472.54	2502.00	1996.88	528.90
	Wetted Perm./0	1251.27	1192.10	1274.11	1259.39	1084.25	1212.23	78.04
	Wetted Perm./10	1603.81	1827.87	2644.02	1494.11	2513.03	2016.57	528.94
	Area/below 0	24084.63	21573.03	34152.59	29503.34	34544.83	28771.69	5843.97
	Area/below 10	38372.95	35130.00	46954.72	43310.46	53229.00	43399.43	7122.46
Cross Section (6)	Depth	-43.78	-45.65	-59.17	-58.48	-59.94	-53.41	7.98
	Slope	0.042	0.072	0.053	0.064	0.077	0.062	0.01
	Width	1702.58	2064.31	1297.52	2322.40	2300.18	1937.40	436.04
	Width/below 0	1271.54	1078.52	1190.89	1214.39	1090.49	1169.17	82.77
	Width/below10	1581.01	1611.68	1297.52	1523.90	2146.78	1632.18	312.88
	Wetted Perm./0	1282.61	1093.09	1218.71	1224.00	1102.85	1184.25	82.73
	Wetted Perm./10	1594.78	1636.53	1342.54	1537.08	2164.38	1655.06	306.18

Cross Section (7)	Area/below 0	23309.04	21018.23	29956.76	36031.47	29365.85	27936.27	5935.67
	Area/below 10	38864.42	34580.38	42021.32	49787.14	47299.44	42510.54	6170.57
	Depth	-36.12	-31.18	-58.17	-65.87	-47.91	-47.85	14.55
	Slope	0.031	0.030	0.063	0.061	0.060	0.049	0.02
	Width	1874.08	2020.02	1218.34	2168.22	2467.75	1949.68	464.13
	Width/below 0	1349.15	1107.03	1144.70	1246.36	1193.30	1208.11	94.62
	Width/below10	1775.27	1559.69	1218.34	1523.08	2429.71	1701.22	453.08
	Wetted Perm./0	1361.35	1116.10	1161.05	1268.94	1199.78	1221.44	96.23
	Wetted Perm./10	1789.32	1577.34	1251.53	1555.88	2446.43	1724.10	446.98
	Area/below 0	20117.14	20101.97	20684.00	24688.16	26922.41	22502.74	3125.39
Cross Section (8)	Area/below 10	34472.84	32983.01	31448.12	35992.47	41660.22	35311.33	3931.31
	Depth	-38.24	-45.12	-42.18	-45.97	-52.62	-44.83	5.30
	Slope	0.035	0.046	0.060	0.052	0.070	0.052	0.01
	Width	1778.81	1873.13	1083.21	2257.33	2482.03	1894.90	535.92
	Width/below 0	1229.42	1104.00	1028.11	996.63	921.14	1055.86	117.12
	Width/below10	1670.67	1418.48	1083.21	1297.68	2473.07	1588.62	538.06
	Wetted Perm./0	1247.37	1130.13	1035.83	1011.28	933.74	1071.67	120.67
	Wetted Perm./10	1691.95	1451.39	1108.52	1314.17	2487.03	1610.61	533.87
	Area/below 0	27977.40	25694.69	25007.30	19187.33	22300.54	24033.45	3381.96
	Area/below 10	41282.51	38244.21	35229.85	29361.35	35519.14	35927.41	4410.53
Cross Section (9)	Depth	-56.58	-53.62	-43.51	-44.72	-39.37	-47.56	7.24
	Slope	0.054	0.057	0.055	0.069	0.056	0.058	0.01
	Width	1635.58	1760.56	1028.21	2276.76	2343.90	1809.00	535.48
	Width/below 0	1183.36	1061.51	983.60	892.82	922.97	1008.85	116.94
	Width/below10	1517.01	1392.86	1028.21	1187.04	2266.71	1478.37	479.01
	Wetted Perm./0	1201.88	1078.37	990.03	898.74	935.89	1020.98	121.62
	Wetted Perm./10	1537.40	1416.26	1061.69	1194.46	2284.21	1498.80	476.67

Cross Section (10)	Area/below 0	27262.61	27573.98	23748.90	24248.59	26625.61	25891.94	1770.56
	Area/below 10	39932.19	39359.46	33592.78	33704.24	38434.48	37004.63	3110.21
	Depth	-37.77	-41.57	-52.03	-53.55	-44.12	-45.81	6.78
	Slope	0.035	0.043	0.064	0.067	0.062	0.054	0.01
	Width	1458.37	1761.23	986.51	2115.52	2120.66	1688.46	479.62
	Width/below 0	1176.10	1053.80	960.93	858.67	966.59	1003.22	118.82
	Width/below10	1382.34	1308.03	986.51	1062.78	2120.01	1371.93	449.42
	Wetted Perm./0	1189.58	1069.66	977.86	885.43	977.38	1019.98	115.03
	Wetted Perm./10	1400.77	1327.53	1021.83	1099.88	2139.25	1397.85	442.95
	Area/below 0	23982.34	24478.12	23474.37	19708.70	21371.43	22602.99	2004.47
Cross Section (11)	Area/below 10	35614.19	36031.15	32419.71	28520.74	31204.22	32758.00	3136.65
	Depth	-32.78	-32.07	-46.62	-45.18	-39.55	-39.24	6.76
	Slope	0.038	0.039	0.063	0.065	0.060	0.053	0.01
	Width	1410.12	1658.25	894.99	1922.59	1935.02	1564.19	431.97
	Width/below 0	1086.58	1055.79	884.69	771.86	911.14	942.01	129.46
	Width/below10	1230.15	1258.79	894.99	976.18	1130.00	1098.02	158.42
	Wetted Perm./0	1092.64	1062.89	899.98	785.81	917.50	951.76	126.09
	Wetted Perm./10	1238.30	1272.08	928.52	993.49	1139.73	1114.42	150.02
	Area/below 0	25787.13	24674.80	21012.00	18214.77	22588.08	22455.36	3004.58
	Area/below 10	38757.48	36864.74	31145.08	27788.20	32339.66	33379.03	4427.36
Cross Section (12)	Depth	-36.60	-34.33	-33.96	-39.25	-40.84	-36.99	3.01
	Slope	0.032	0.034	0.037	0.052	0.050	0.041	0.01
	Width	1472.16	1527.47	1014.03	1882.94	1822.41	1543.80	345.94
	Width/below 0	1243.59	1130.60	998.98	842.23	940.35	1031.15	158.11
	Width/below10	1333.02	1304.53	1014.03	1095.67	1036.64	1156.78	151.19
	Wetted Perm./0	1252.67	1139.94	1007.06	854.91	950.62	1041.04	156.96
	Wetted Perm./10	1345.54	1317.86	1040.07	1111.12	1050.27	1172.97	147.75

Cross Section (13)	Area/below 0	20449.77	18089.92	22087.57	11960.50	21091.68	18735.89	4063.37
	Area/below 10	34079.17	30740.05	32520.91	20347.86	31293.75	29796.35	5435.36
	Depth	-29.65	-29.68	-36.56	-33.92	-36.33	-33.23	3.41
	Slope	0.024	0.031	0.039	0.059	0.041	0.039	0.01
	Width	1413.95	1399.21	1044.65	1488.08	1210.57	1311.29	180.81
	Width/below 0	1329.77	1154.49	1026.40	650.88	983.14	1028.94	250.65
	Width/below10	1388.66	1308.59	1044.65	1032.17	1058.31	1166.48	168.92
	Wetted Perm./0	1337.09	1159.53	1035.87	659.87	990.61	1036.59	249.72
	Wetted Perm./10	1399.86	1320.81	1072.73	1045.17	1068.44	1181.40	166.05
		Area/below 0	18790.14	18084.78	19161.64	14730.63	14867.38	17126.91
Cross Section (14)	Area/below 10	32815.74	31942.64	32191.33	24468.69	28098.11	29903.30	3559.14
	Depth	-24.34	-23.81	-27.10	-25.29	-22.06	-24.52	1.86
	Slope	0.019	0.024	0.023	0.038	0.024	0.026	0.01
	Width	1504.77	1503.79	1323.80	1481.28	1471.31	1456.99	75.84
	Width/below 0	1307.88	1201.34	1236.51	882.26	1216.70	1168.94	165.37
	Width/below10	1482.19	1489.49	1262.10	921.33	1316.28	1294.28	231.31
	Wetted Perm./0	1316.01	1208.65	1260.65	887.02	1217.93	1178.05	168.14
	Wetted Perm./10	1503.99	1505.78	1365.28	1075.00	1428.19	1375.65	177.95

Years 1986-1976 (Before Weirs were built)

		Average	Standard Deviation
Cross Section (1)	Area/below 0	17563.85	3560.80
	Area/below 10	39638.94	4451.90
	Depth	-15.09	2.72
	Slope	0.008	0.00
	Width	2728.82	52.99
	Width/below 0	1972.84	147.81
	Width/below10	2398.43	227.03
	Wetted Perm./0	1974.55	147.55
	Wetted Perm./10	2403.64	225.87
Cross Section (2)	Area/below 0	18005.04	1397.80
	Area/below 10	40006.93	4445.21
	Depth	-24.32	3.72
	Slope	0.014	0.00
	Width	2611.98	27.82
	Width/below 0	1964.90	265.41
	Width/below10	2240.64	388.88
	Wetted Perm./0	1969.42	266.98
	Wetted Perm./10	2253.10	388.41
Cross Section (3)	Area/below 0	13149.84	9946.38
	Area/below 10	33742.32	5998.35
	Depth	-28.73	11.89
	Slope	0.022	0.01
	Width	2453.42	54.49
	Width/below 0	1186.95	448.97
	Width/below10	2152.33	299.30
	Wetted Perm./0	1193.65	454.19
	Wetted Perm./10	2163.64	291.99

Cross Section (4)	Area/below 0	20382.48	1291.15
	Area/below 10	36987.75	2425.50
	Depth	-33.19	1.33
	Slope	0.047	0.01
	Width	2199.29	62.95
	Width/below 0	1075.13	194.84
	Width/below10	2008.28	270.88
	Wetted Perm./0	1083.02	195.47
	Wetted Perm./10	2023.26	277.40
Cross Section (5)	Area/below 0	25508.42	4317.97
	Area/below 10	44317.36	4667.95
	Depth	-40.42	5.29
	Slope	0.045	0.01
	Width	2422.86	367.23
	Width/below 0	1193.00	101.65
	Width/below10	2197.84	630.84
	Wetted Perm./0	1205.92	105.62
	Wetted Perm./10	2217.06	629.50
Cross Section (6)	Area/below 0	32733.59	2804.34
	Area/below 10	47831.39	5017.05
	Depth	-59.20	0.73
	Slope	0.065	0.01
	Width	1973.37	585.41
	Width/below 0	1165.26	65.81
	Width/below10	1656.06	439.79
	Wetted Perm./0	1181.85	68.47
	Wetted Perm./10	1681.33	429.49

Cross Section (7)	Area/below 0	31784.69	3689.67
	Area/below 10	46369.30	3965.59
	Depth	-57.32	9.01
	Slope	0.061	0.00
	Width	1951.44	652.30
	Width/below 0	1194.79	50.85
	Width/below10	1723.71	630.11
	Wetted Perm./0	1209.92	54.65
	Wetted Perm./10	1751.28	620.95
Cross Section (8)	Area/below 0	24098.19	3160.77
	Area/below 10	36366.94	5116.34
	Depth	-46.93	5.28
	Slope	0.060	0.01
	Width	1940.86	751.19
	Width/below 0	981.96	54.97
	Width/below10	1617.99	748.25
	Wetted Perm./0	993.62	53.29
	Wetted Perm./10	1636.57	743.66
Cross Section (9)	Area/below 0	22165.06	2912.35
	Area/below 10	33370.11	3474.70
	Depth	-42.53	2.81
	Slope	0.060	0.01
	Width	1882.95	740.99
	Width/below 0	933.13	46.24
	Width/below10	1493.98	673.89
	Wetted Perm./0	941.55	45.91
	Wetted Perm./10	1513.45	670.79

Cross Section (10)	Area/below 0	24874.37	1537.06
	Area/below 10	35243.83	2763.74
	Depth	-49.90	5.06
	Slope	0.064	0.00
	Width	1740.90	653.32
	Width/below 0	928.73	60.74
	Width/below10	1389.77	633.56
	Wetted Perm./0	946.89	53.23
	Wetted Perm./10	1420.32	623.83
Cross Section (11)	Area/below 0	21518.17	1887.12
	Area/below 10	30714.89	1995.01
	Depth	-43.78	3.74
	Slope	0.063	0.00
	Width	1584.20	596.90
	Width/below 0	855.90	73.97
	Width/below10	1000.39	119.36
	Wetted Perm./0	867.76	71.51
	Wetted Perm./10	1020.58	108.18
Cross Section (12)	Area/below 0	20604.95	2214.89
	Area/below 10	30424.31	2359.78
	Depth	-38.02	3.60
	Slope	0.046	0.01
	Width	1573.13	485.14
	Width/below 0	927.18	79.20
	Width/below10	1048.78	42.15
	Wetted Perm./0	937.53	76.92
	Wetted Perm./10	1067.15	38.41

Cross Section (13)	Area/below 0	18379.92	5581.63
	Area/below 10	28054.17	6702.01
	Depth	-35.60	1.46
	Slope	0.046	0.01
	Width	1247.77	224.05
	Width/below 0	886.80	205.46
	Width/below10	1045.04	13.07
	Wetted Perm./0	895.45	205.27
	Wetted Perm./10	1062.11	14.83
Cross Section (14)	Area/below 0	16253.22	2519.69
	Area/below 10	28252.71	3863.64
	Depth	-24.82	2.55
	Slope	0.028	0.01
	Width	1425.46	88.18
	Width/below 0	1111.82	199.05
	Width/below10	1166.57	214.11
	Wetted Perm./0	1121.87	204.50
	Wetted Perm./10	1289.49	188.40

Only 2007 and 2005 (After Weirs were built)

Before and after

		Average	Standard Deviation
Cross Section (1)	Area/below 0	16587.01	2965.39
	Area/below 10	39766.69	3839.11
	Depth	-19.67	4.70
	Slope	0.012	0.00
	Width	2609.00	189.89
	Width/below 0	1781.55	134.51
	Width/below10	2448.19	25.88
	Wetted Perm./0	1787.57	132.93
	Wetted Perm./10	2457.61	23.82
Cross Section (2)	Area/below 0	19095.61	4846.75
	Area/below 10	39304.54	5330.85
	Depth	-32.24	9.45
	Slope	0.026	0.01
	Width	2402.47	8.77
	Width/below 0	1366.08	111.05
	Width/below10	2290.35	47.61
	Wetted Perm./0	1376.69	111.81
	Wetted Perm./10	2307.65	45.59
Cross Section (3)	Area/below 0	16584.44	922.42
	Area/below 10	31406.54	1388.25
	Depth	-34.19	5.30
	Slope	0.036	0.01
	Width	2068.68	588.90
	Width/below 0	1025.28	118.83
	Width/below10	1770.68	223.87
	Wetted Perm./0	1032.37	117.69
	Wetted Perm./10	1785.82	225.33

Differences	Percent Difference
-976.84	5.7
127.75	0.3
-4.58	-26.4
0.003	34.2
-119.82	4.5
-191.28	10.2
49.76	2.1
-186.99	9.9
53.98	2.2
1090.58	5.9
-702.39	1.8
-7.92	-28.0
0.012	61.7
-209.52	8.4
-598.83	36.0
49.71	2.2
-592.72	35.4
54.55	2.4
3434.60	23.1
-2335.78	7.2
-5.45	-17.3
0.014	48.7
-384.73	17.0
-161.68	14.6
-381.65	19.5
-161.29	14.5
-377.83	19.1

Cross Section (4)	Area/below 0	17316.73	880.87
	Area/below 10	29859.22	798.95
	Depth	-31.61	1.83
	Slope	0.036	0.01
	Width	1776.56	588.54
	Width/below 0	1019.34	79.42
	Width/below10	1531.27	301.38
	Wetted Perm./0	1028.08	80.49
	Wetted Perm./10	1544.75	302.65
Cross Section (5)	Area/below 0	20883.93	994.93
	Area/below 10	35264.81	2419.69
	Depth	-38.13	6.09
	Slope	0.036	0.01
	Width	1948.08	448.00
	Width/below 0	1210.80	48.27
	Width/below10	1695.45	141.98
	Wetted Perm./0	1221.69	41.84
	Wetted Perm./10	1715.84	158.43
Cross Section (6)	Area/below 0	22828.83	1775.97
	Area/below 10	36751.47	2293.11
	Depth	-44.71	1.32
	Slope	0.057	0.02
	Width	1883.44	255.78
	Width/below 0	1175.03	136.48
	Width/below10	1596.35	21.69
	Wetted Perm./0	1187.85	134.01
	Wetted Perm./10	1615.65	29.52

-3065.76	16.3
-7128.53	21.3
1.59	-4.9
-0.011	27.2
-422.74	21.3
-55.79	5.3
-477.01	27.0
-54.94	5.2
-478.51	26.8
-4624.50	19.9
-9052.55	22.8
2.29	-5.8
-0.009	22.2
-474.79	21.7
17.80	1.5
-502.38	25.8
15.77	1.3
-501.21	25.5
-9904.75	35.7
-11079.92	26.2
14.48	-27.9
-0.008	12.5
-89.92	4.7
9.77	0.8
-59.72	3.7
6.00	0.5
-65.68	4.0

Cross Section (7)	Area/below 0	22163.64	1619.85
	Area/below 10	36722.40	3029.27
	Depth	-33.65	3.49
	Slope	0.030	0.00
	Width	1947.05	103.19
	Width/below 0	1228.09	171.21
	Width/below10	1667.48	152.44
	Wetted Perm./0	1238.72	173.41
	Wetted Perm./10	1683.33	149.89
Cross Section (8)	Area/below 0	20109.55	10.73
	Area/below 10	33727.93	1053.46
	Depth	-41.68	4.87
	Slope	0.040	0.01
	Width	1825.97	66.70
	Width/below 0	1166.71	88.68
	Width/below10	1544.57	178.33
	Wetted Perm./0	1188.75	82.91
	Wetted Perm./10	1571.67	170.10
Cross Section (9)	Area/below 0	26836.05	1614.12
	Area/below 10	39763.36	2148.40
	Depth	-55.10	2.10
	Slope	0.056	0.00
	Width	1698.07	88.38
	Width/below 0	1122.43	86.16
	Width/below10	1454.94	87.79
	Wetted Perm./0	1140.13	87.33
	Wetted Perm./10	1476.83	85.66

-9621.06	35.7
-9646.90	23.2
23.67	-52.0
-0.031	67.2
-4.39	0.2
33.31	2.7
-56.24	3.3
28.80	2.4
-67.95	4.0
-3988.64	18.0
-2639.01	7.5
5.24	-11.8
-0.020	39.8
-114.89	6.1
184.75	17.2
-73.42	4.6
195.13	17.9
-64.90	4.0
4670.99	19.1
6393.24	17.5
-12.57	-25.7
-0.004	7.1
-184.89	10.3
189.31	18.4
-39.05	2.6
198.58	19.1
-36.62	2.4

Cross Section (10)	Area/below 0	27418.30	220.17
	Area/below 10	39645.82	404.98
	Depth	-39.67	2.68
	Slope	0.039	0.01
	Width	1609.80	214.15
	Width/below 0	1114.95	86.48
	Width/below10	1345.18	52.55
	Wetted Perm./0	1129.62	84.79
	Wetted Perm./10	1364.15	51.79
Cross Section (11)	Area/below 0	24230.23	350.57
	Area/below 10	35822.67	294.84
	Depth	-32.43	0.50
	Slope	0.039	0.00
	Width	1534.19	175.46
	Width/below 0	1071.19	21.78
	Width/below10	1244.47	20.25
	Wetted Perm./0	1077.77	21.03
	Wetted Perm./10	1255.19	23.89
Cross Section (12)	Area/below 0	25230.96	786.53
	Area/below 10	37811.11	1338.37
	Depth	-35.46	1.60
	Slope	0.033	0.00
	Width	1499.82	39.11
	Width/below 0	1187.09	79.89
	Width/below10	1318.77	20.15
	Wetted Perm./0	1196.31	79.72
	Wetted Perm./10	1331.70	19.58

2543.93	9.7
4401.99	11.8
10.23	-22.8
-0.025	49.3
-131.10	7.8
186.22	18.2
-44.58	3.3
182.73	17.6
-56.17	4.0
2712.06	11.9
5107.78	15.4
11.35	-29.8
-0.024	47.8
-50.01	3.2
215.29	22.3
244.07	21.7
210.00	21.6
234.61	20.6
4626.01	20.2
7386.79	21.7
2.55	-6.9
-0.013	33.5
-73.31	4.8
259.91	24.6
269.99	22.8
258.78	24.3
264.55	22.1

Cross Section (13)	Area/below 0	19269.85	1668.67
	Area/below 10	32409.61	2361.11
	Depth	-29.67	0.02
	Slope	0.028	0.01
	Width	1406.58	10.42
	Width/below 0	1242.13	123.94
	Width/below10	1348.63	56.62
	Wetted Perm./0	1248.31	125.55
	Wetted Perm./10	1360.33	55.89
Cross Section (14)	Area/below 0	18437.46	498.76
	Area/below 10	32379.19	617.38
	Depth	-24.07	0.37
	Slope	0.022	0.00
	Width	1504.28	0.69
	Width/below 0	1254.61	75.33
	Width/below10	1485.84	5.16
	Wetted Perm./0	1262.33	75.92
	Wetted Perm./10	1504.89	1.27

889.93	4.7
4355.44	14.4
5.94	-18.2
-0.019	50.9
158.81	12.0
355.33	33.4
303.58	25.4
352.86	32.9
298.22	24.6
2184.24	12.6
4126.48	13.6
0.74	-3.0
-0.007	27.2
78.81	5.4
142.79	12.1
319.26	24.1
140.46	11.8
215.39	15.4

		2007		2005		1986		1982		1976	
		Slope	R2 Value	Slope	R2 Value	Slope	R2 Value	Slope	R2 Value	Slope	R2 Value
Cross Section (1)	-30 - -20	0.1224	0.9849								
	-20 - -10	0.0098	0.8653	0.0113	0.7858	0.0043	0.4366	0.0074	0.8367	0.0028	0.5277
	-10 - 0	0.0098	0.9574	0.0075	0.8766	0.0094	0.7406	0.0074	0.7814	0.0086	0.6526
	0 - 10	0.0157	0.9122	0.0201	0.9029			0.0464	0.9428	0.0173	0.9336
Cross Section (2)	-40 - -30	0.0275	0.7915								
	-30 - -20	0.0459	0.9703	0.0243	0.6852	0.0363	0.8924	0.0142	1	0.0265	0.9452
	-20 - -10	0.029	0.7789	0.0153	0.924	0.0418	0.9756	0.0163	0.9476	0.026	0.9083
	-10 - 0	0.0199	0.9469	0.0136	0.9548	0.0007	0.0133	0.0095	0.8914	0.0049	0.8191
	0 - 10	0.0026	0.4142	0.0129	0.9174	0.0145	0.8628	0.0209	1	0.0144	0.9575
Cross Section (3)	-40 - -30	0.0375	0.9757	0.0369	0.9999	0.0784	0.9999	0.0087	0.1434		
	-30 - -20	0.0739	0.9947	0.0427	0.9746	0.0699	0.9915	0.0327	0.9597		
	-20 - -10	0.0578	0.9818	0.0368	0.9723	0.0422	0.9828	0.0213	0.9808	0.051	0.9938
	-10 - 0	0.0332	0.9794	0.0145	0.8532	0.0112	0.9285	0.019	0.9771	0.0008	0.0165
	0 - 10	0.0118	0.9546	0.0112	0.7467	0.0087	0.6172	0.0243	0.9976	0.0177	0.8721
Cross Section (4)	-40 - -30	0.0349	0.7993	0.1083	0.9994	0.0094	0.3232	0.0958	1	0.0394	1
	-30 - -20	0.0205	0.0218	0.0218	0.9337	0.0475	0.9564	0.0594	0.9598	0.0249	0.8609
	-20 - -10	0.0482	0.976	0.0325	0.9536	0.0586	0.9753	0.0286	0.9675	0.1179	0.9746
	-10 - 0	0.0545	0.9812	0.0249	0.9741	0.0447	0.9512	0.0295	0.9768	0.1141	0.9887
	0 - 10	0.0268	0.879	0.0124	0.775	0.0044	0.7321	0.0247	0.9759	-0.0022	0.1264
Cross Section (5)	-50 - -40			0.1444	0.9057			0.0287	0.6804	0.2075	1
	-40 - -30	0.0334	0.9167	0.0636	0.7749	0.0357	0.6988	0.0657	0.8983	0.0166	0.3613
	-30 - -20	0.0488	0.9757	0.0576	0.9831	0.0399	0.9832	0.0594	0.9561	0.062	0.9676
	-20 - -10	0.0165	0.9564	0.0216	0.9099	0.0247	0.8359	0.0355	0.9859	0.1021	0.9406
	-10 - 0	0.0366	0.9857	0.0536	0.9425	0.0331	0.9989	0.0346	0.9841	0.0716	0.8112
	0 - 10	0.0292	0.7773	0.0126	0.7072	0.0043	0.9032	0.0272	0.9857	0.0041	0.7185

Cross Section (6)	-60 - -50					0.0383	0.7811	0.0811	0.9994	0.0863	0.7936
	-50 - -40	0.0668	0.944	0.1486	0.6422	0.0405	0.7215	0.1127	0.9893	0.0305	0.6004
	-40 - -30	0.0804	0.9906	0.0954	0.784	0.0976	0.9929				
	-30 - -20	0.0886	0.993	0.0962	0.9851	0.0787	0.9922	0.1019	0.963	0.066	0.977
	-20 - -10	0.031	0.9314	0.0182	0.8027	0.0417	0.9475	0.0449	0.9954	0.0752	0.9701
	-10 - 0	0.0231	0.9026	0.0504	0.8763	0.0387	0.9906	0.0299	0.9977		
	0 - 10	0.0337	0.9866	0.0169	0.805	0.0265	0.9824	0.0326	0.9927	0.0053	0.9539
Cross Section (7)	-70 - -60							0.1047	0.9448		
	-60 - -50					0.0785	0.9939	0.0748	0.9898		
	-50 - -40					0.107	1	0.0681	0.9721	0.0565	0.9576
	-40 - -30	0.1113	0.9575	0.026	0.9654	0.1002	0.9554			0.0962	0.9962
	-30 - -20	0.0197	0.7563	0.0244	0.9194	0.0488	0.9924	0.0397	0.9699	0.0606	0.9908
	-20 - -10	0.0382	0.9729	0.0382	0.981	0.0505	0.9813	0.0564	0.9944	0.0503	0.9781
	-10 - 0	0.0229	0.9112	0.0442	0.7583	0.0427	0.9995	0.0394	0.9626	0.0426	0.7398
	0 - 10	0.0261	0.9971	0.0241	0.8624	0.0438	1	0.0364	0.9863	0.0027	0.5611
Cross Section (8)	-60 - -50									0.0616	1
	-50 - -40			0.1396	0.9951	0.0811	1	0.3136	1	0.0452	0.7748
	-40 - -30	0.2438	0.819	0.3009	0.8214	0.0845	0.9979	0.0154	0.218	0.1038	0.8884
	-30 - -20	0.0051	0.0345	-0.0008	0.0009	0.0457	0.9471	0.0663	0.9786	0.0487	0.998
	-20 - -10	0.0263	0.8828	0.0077	0.4514	0.0493	0.9942	0.0588	0.9971	0.0581	0.9782
	-10 - 0	0.0247	0.949	0.0272	0.8127	0.0682	0.977	0.0555	0.9994	0.1453	0.8691
	0 - 10	0.0241	0.9714	0.0295	0.904	0.0448	1	0.0367	0.9803	0.0016	0.2666
Cross Section (9)	-60 - -50	0.1384	1	0.1438	0.9371						
	-50 - -40	0.0713	0.9487	0.0536	0.8754	0.0393	1	0.0814	1		
	-40 - -30	0.0711	0.9769	0.0677	0.922	0.0474	0.9392			0.0315	0.9291
	-30 - -20	0.0722	0.9732	0.0383	0.8557	0.06	0.9619	0.0623	0.9776	0.0512	0.9979
	-20 - -10	0.0263	0.9578	0.049	0.95			0.0688	0.9922	0.0716	0.9507
	-10 - 0	0.0289	0.7249	0.045	0.9252	0.0831	0.9748	0.0571	0.9848	0.0959	0.999
	0 - 10	0.0383	0.9859	0.0314	0.8861	0.0568	0.9839	0.0431	0.9763	-0.0005	0.0164

Cross Section (10)	-60 - -50					0.0652	1	0.0585	1		
	-50 - -40			0.2465	1	0.0763	0.9921	0.0518	0.9985	0.0275	0.8678
	-40 - -30	0.0046	0.1939	0.0023	0.0543	0.0581	0.9643	0.0576	0.9984	0.0646	0.9971
	-30 - -20	0.0222	0.8067	0.1486	0.984	0.0482	0.8861			0.465	0.9907
	-20 - -10	0.1072	0.98	0.1325	0.9888	0.0808	0.9808			0.0889	0.9984
	-10 - 0	0.0317	0.974	0.0618	0.9727	0.0674	0.9975	0.049	0.9957	0.0838	0.9858
	0 - 10	0.0608	0.9794	0.0349	0.9765	0.0648	1	0.0654	0.9696	-0.0021	0.1448
Cross Section (11)	-50 - -40					0.0681	0.9499	0.0537	0.9991		
	-40 - -30	0.0305	0.9666	0.0148	0.9512	0.0412	0.9976	0.0443	0.9136	0.0357	0.9794
	-30 - -20	0.0117	0.816	0.0167	0.6173	0.0539	0.9826	0.0585	0.9862	0.0321	0.8973
	-20 - -10	0.0657	0.9832	0.0539	0.9906	0.0947	0.9823	0.106	0.9961		
	-10 - 0	0.0854	0.9397	0.1003	0.9915	0.0874	0.9989	0.0785	0.9998	0.2035	1
	0 - 10	0.0889	0.9948	0.0584	0.9422	0.0786	0.9976	0.0486	0.9836	0.0679	0.9294
Cross Section (12)	-50 - -40									0.0532	1
	-40 - -30	0.0295	0.9179	-0.0018	0.0443	0.0258	0.9996	0.0354	0.9675	0.0525	0.9946
	-30 - -20	0.0099	0.5833	0.0051	0.133	0.025	0.9191	0.049	0.9857	0.0322	0.9885
	-20 - -10	0.046	0.9844	0.0793	0.9626	0.0654	0.9973	0.0672	0.9998	0.0387	0.829
	-10 - 0	0.0553	0.9509	0.0605	0.9371	0.0707	0.99	0.0639	0.9929	0.196	0.9223
	0 - 10	0.1129	0.9652	0.0572	0.9763	0.0597	1	0.0618	0.9956	0.6671	0.9475
Cross Section (13)	-40 - -30					0.0286	0.9837	0.0602	0.9756	0.0526	1
	-30 - -20	0.0215	0.8917	0.023	0.917	0.0249	0.9682	0.0362	0.8483	0.0235	0.8816
	-20 - -10	0.0117	0.5097	0.0377	0.9171	0.0538	0.9931	0.0722	0.9317	0.0366	0.973
	-10 - 0	0.0135	0.6309	0.0253	0.9435	0.0707	0.9792	0.0585	0.9654	0.1126	0.9528
	0 - 10	0.2016	0.9986	-0.0352	0.6009	0.0789	1	0.0322	0.9236	0.2449	1
Cross Section (14)	-30 - -20	0.0128	0.7932	0.0079	0.4417	0.0281	0.8052	0.0146	0.8664	0.0226	0.9722
	-20 - -10	0.0137	0.9484	0.0154	0.7707	0.0136	0.9758	0.0513	0.9772	0.0177	0.9624
	-10 - 0	0.0285	0.9214	0.0338	0.9758	0.0322	0.8031	0.068	0.9959	0.0373	0.9986
	0 - 10	0.072	0.9959	0.0316	0.7566	0.0278	0.5648	0.0662	0.9998	0.0784	0.9868

		2007	2005	1986	1982	1976
		Slope	Slope	Slope	Slope	Slope
Cross Section (1)	-30 - -20	0.1224				
	-20 - -10	0.0098			0.0074	
	-10 - 0	0.0098	0.0075			
	0 - 10	0.0157	0.0201		0.0464	0.0173
Cross Section (2)	-40 - -30					
	-30 - -20	0.0459		0.0363	0.0142	0.0265
	-20 - -10		0.0153	0.0418	0.0163	0.026
	-10 - 0	0.0199	0.0136		0.0095	0.0049
	0 - 10		0.0129	0.0145	0.0209	0.0144
Cross Section (3)	-40 - -30	0.0375	0.0369	0.0784		
	-30 - -20	0.0739	0.0427	0.0699	0.0327	
	-20 - -10	0.0578	0.0368	0.0422	0.0213	0.051
	-10 - 0	0.0332	0.0145	0.0112	0.019	
	0 - 10	0.0118			0.0243	0.0177
Cross Section (4)	-40 - -30		0.1083		0.0958	0.0394
	-30 - -20		0.0218	0.0475	0.0594	0.0249
	-20 - -10	0.0482	0.0325	0.0586	0.0286	0.1179
	-10 - 0	0.0545	0.0249	0.0447	0.0295	0.1141
	0 - 10	0.0268			0.0247	
Cross Section (5)	-50 - -40		0.1444			0.2075
	-40 - -30	0.0334			0.0657	
	-30 - -20	0.0488	0.0576	0.0399	0.0594	0.062
	-20 - -10	0.0165	0.0216	0.0247	0.0355	0.1021
	-10 - 0	0.0366	0.0536	0.0331	0.0346	0.0716
	0 - 10			0.0043	0.0272	

Cross Section (6)	-60 - -50				0.0811	
	-50 - -40	0.0668			0.1127	
	-40 - -30	0.0804		0.0976		
	-30 - -20	0.0886	0.0962	0.0787	0.1019	0.066
	-20 - -10	0.031	0.0182	0.0417	0.0449	0.0752
	-10 - 0	0.0231	0.0504	0.0387	0.0299	
	0 - 10	0.0337	0.0169	0.0265	0.0326	0.0053
Cross Section (7)	-70 - -60				0.1047	
	-60 - -50			0.0785	0.0748	
	-50 - -40			0.107	0.0681	0.0565
	-40 - -30	0.1113	0.026	0.1002		0.0962
	-30 - -20		0.0244	0.0488	0.0397	0.0606
	-20 - -10	0.0382	0.0382	0.0505	0.0564	0.0503
	-10 - 0	0.0229		0.0427	0.0394	
	0 - 10	0.0261	0.0241	0.0438	0.0364	
Cross Section (8)	-60 - -50					0.0616
	-50 - -40		0.1396	0.0811	0.3136	
	-40 - -30	0.2438	0.3009	0.0845		0.1038
	-30 - -20			0.0457	0.0663	0.0487
	-20 - -10	0.0263		0.0493	0.0588	0.0581
	-10 - 0	0.0247	0.0272	0.0682	0.0555	0.1453
	0 - 10	0.0241	0.0295	0.0448	0.0367	
Cross Section (9)	-60 - -50	0.1384	0.1438			
	-50 - -40	0.0713	0.0536	0.0393	0.0814	
	-40 - -30	0.0711	0.0677	0.0474		0.0315
	-30 - -20	0.0722	0.0383	0.06	0.0623	0.0512
	-20 - -10	0.0263	0.049		0.0688	0.0716
	-10 - 0		0.045	0.0831	0.0571	0.0959
	0 - 10	0.0383	0.0314	0.0568	0.0431	

Cross Section (10)	-60 - -50			0.0652	0.0585	
	-50 - -40		0.2465	0.0763	0.0518	0.0275
	-40 - -30			0.0581	0.0576	0.0646
	-30 - -20	0.0222	0.1486	0.0482		0.465
	-20 - -10	0.1072	0.1325	0.0808		0.0889
	-10 - 0	0.0317	0.0618	0.0674	0.049	0.0838
	0 - 10	0.0608	0.0349	0.0648	0.0654	
Cross Section (11)	-50 - -40			0.0681	0.0537	
	-40 - -30	0.0305	0.0148	0.0412	0.0443	0.0357
	-30 - -20	0.0117		0.0539	0.0585	0.0321
	-20 - -10	0.0657	0.0539	0.0947	0.106	
	-10 - 0	0.0854	0.1003	0.0874	0.0785	0.2035
	0 - 10	0.0889	0.0584	0.0786	0.0486	0.0679
	Cross Section (12)	-50 - -40				
-40 - -30		0.0295		0.0258	0.0354	0.0525
-30 - -20				0.025	0.049	0.0322
-20 - -10		0.046	0.0793	0.0654	0.0672	0.0387
-10 - 0		0.0553	0.0605	0.0707	0.0639	0.196
0 - 10		0.1129	0.0572	0.0597	0.0618	0.6671
Cross Section (13)		-40 - -30			0.0286	0.0602
	-30 - -20	0.0215	0.023	0.0249	0.0362	0.0235
	-20 - -10		0.0377	0.0538	0.0722	0.0366
	-10 - 0		0.0253	0.0707	0.0585	0.1126
	0 - 10	0.2016		0.0789	0.0322	0.2449
	Cross Section (14)	-30 - -20			0.0281	0.0146
-20 - -10		0.0137		0.0136	0.0513	0.0177
-10 - 0		0.0285	0.0338	0.0322	0.068	0.0373
0 - 10		0.072			0.0662	0.0784

		Average	Std. Deviation	Average	Std. Deviation	Diff. in Slope	% Difference	Change / Normal Dev.
Cross Section (1)	-30 - -20	0.1224	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-20 - -10	0.0098	#DIV/0!	0.0074	#DIV/0!	0.24	27.91	#DIV/0!
	-10 - 0	0.0087	0.0016	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	0 - 10	0.0179	0.0031	0.0319	0.0206	-1.40	-56.08	-0.68
Cross Section (2)	-40 - -30	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-30 - -20	0.0459	#DIV/0!	0.0257	0.0111	2.02	56.54	1.83
	-20 - -10	0.0153	#DIV/0!	0.0280	0.0129	-1.27	-58.77	-0.99
	-10 - 0	0.0168	0.0045	0.0072	0.0033	0.96	79.75	2.94
	0 - 10	0.0129	#DIV/0!	0.0166	0.0037	-0.37	-25.08	-0.99
Cross Section (3)	-40 - -30	0.0372	0.0004	0.0784	#DIV/0!	-4.12	-71.28	#DIV/0!
	-30 - -20	0.0583	0.0221	0.0513	0.0263	0.70	12.77	0.27
	-20 - -10	0.0473	0.0148	0.0382	0.0153	0.91	21.37	0.60
	-10 - 0	0.0239	0.0132	0.0151	0.0055	0.88	44.93	1.59
	0 - 10	0.0118	#DIV/0!	0.0210	0.0047	-0.92	-56.10	-1.97
Cross Section (4)	-40 - -30	0.1083	#DIV/0!	0.0676	0.0399	4.07	46.28	1.02
	-30 - -20	0.0218	#DIV/0!	0.0439	0.0175	-2.21	-67.34	-1.26
	-20 - -10	0.0404	0.0111	0.0684	0.0454	-2.80	-51.54	-0.62
	-10 - 0	0.0397	0.0209	0.0628	0.0451	-2.31	-45.02	-0.51
	0 - 10	0.0268	#DIV/0!	0.0247	#DIV/0!	0.21	8.16	#DIV/0!
Cross Section (5)	-50 - -40	0.1444	#DIV/0!	0.2075	#DIV/0!	-6.31	-35.86	#DIV/0!
	-40 - -30	0.0334	#DIV/0!	0.0657	#DIV/0!	-3.23	-65.19	#DIV/0!
	-30 - -20	0.0532	0.0062	0.0538	0.0121	-0.06	-1.06	-0.05
	-20 - -10	0.0191	0.0036	0.0541	0.0419	-3.51	-95.83	-0.84
	-10 - 0	0.0451	0.0120	0.0464	0.0218	-0.13	-2.91	-0.06
	0 - 10	#DIV/0!	#DIV/0!	0.0158	0.0162	#DIV/0!	#DIV/0!	#DIV/0!

Cross Section (6)	-60 - -50	#DIV/0!	#DIV/0!	0.0811	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-50 - -40	0.0668	#DIV/0!	0.1127	#DIV/0!	-4.59	-51.14	#DIV/0!
	-40 - -30	0.0804	#DIV/0!	0.0976	#DIV/0!	-1.72	-19.33	#DIV/0!
	-30 - -20	0.0924	0.0054	0.0822	0.0182	1.02	11.68	0.56
	-20 - -10	0.0246	0.0091	0.0539	0.0185	-2.93	-74.70	-1.59
	-10 - 0	0.0368	0.0193	0.0343	0.0062	0.25	6.90	0.39
	0 - 10	0.0253	0.0119	0.0215	0.0143	0.38	16.39	0.27
Cross Section (7)	-70 - -60	#DIV/0!	#DIV/0!	0.1047	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-60 - -50	#DIV/0!	#DIV/0!	0.0767	0.0026	#DIV/0!	#DIV/0!	#DIV/0!
	-50 - -40	#DIV/0!	#DIV/0!	0.0772	0.0265	#DIV/0!	#DIV/0!	#DIV/0!
	-40 - -30	0.0687	0.0603	0.0982	0.0028	-2.96	-35.42	-10.45
	-30 - -20	0.0244	#DIV/0!	0.0497	0.0105	-2.53	-68.29	-2.41
	-20 - -10	0.0382	0.0000	0.0524	0.0035	-1.42	-31.35	-4.10
	-10 - 0	0.0229	#DIV/0!	0.0411	0.0023	-1.82	-56.76	-7.78
	0 - 10	0.0251	0.0014	0.0401	0.0052	-1.50	-46.01	-2.87
Cross Section (8)	-60 - -50	#DIV/0!	#DIV/0!	0.0616	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-50 - -40	0.1396	#DIV/0!	0.1974	0.1644	-5.78	-34.28	-0.35
	-40 - -30	0.2724	0.0404	0.0942	0.0136	17.82	97.24	13.06
	-30 - -20	#DIV/0!	#DIV/0!	0.0536	0.0111	#DIV/0!	#DIV/0!	#DIV/0!
	-20 - -10	0.0263	#DIV/0!	0.0554	0.0053	-2.91	-71.24	-5.50
	-10 - 0	0.0260	0.0018	0.0897	0.0486	-6.37	-110.22	-1.31
	0 - 10	0.0268	0.0038	0.0408	0.0057	-1.40	-41.30	-2.44
Cross Section (9)	-60 - -50	0.1411	0.0038	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-50 - -40	0.0625	0.0125	0.0604	0.0298	0.21	3.42	0.07
	-40 - -30	0.0694	0.0024	0.0395	0.0112	3.00	55.03	2.66
	-30 - -20	0.0553	0.0240	0.0578	0.0059	-0.26	-4.57	-0.44
	-20 - -10	0.0377	0.0161	0.0702	0.0020	-3.26	-60.36	-16.44
	-10 - 0	0.0450	#DIV/0!	0.0787	0.0198	-3.37	-54.49	-1.70
	0 - 10	0.0349	0.0049	0.0500	0.0097	-1.51	-35.61	-1.56

Cross Section (10)	-60 - -50	#DIV/0!	#DIV/0!	0.0619	0.0047	#DIV/0!	#DIV/0!	#DIV/0!
	-50 - -40	0.2465	#DIV/0!	0.0519	0.0244	19.46	130.47	7.98
	-40 - -30	#DIV/0!	#DIV/0!	0.0601	0.0039	#DIV/0!	#DIV/0!	#DIV/0!
	-30 - -20	0.0854	0.0894	0.2566	0.2947	-17.12	-100.12	-0.58
	-20 - -10	0.1199	0.0179	0.0849	0.0057	3.50	34.20	6.11
	-10 - 0	0.0468	0.0213	0.0667	0.0174	-2.00	-35.22	-1.15
	0 - 10	0.0479	0.0183	0.0651	0.0004	-1.73	-30.54	-40.66
Cross Section (11)	-50 - -40	#DIV/0!	#DIV/0!	0.0609	0.0102	#DIV/0!	#DIV/0!	#DIV/0!
	-40 - -30	0.0227	0.0111	0.0404	0.0044	-1.78	-56.30	-4.08
	-30 - -20	0.0117	#DIV/0!	0.0482	0.0141	-3.65	-121.83	-2.59
	-20 - -10	0.0598	0.0083	0.1004	0.0080	-4.06	-50.64	-5.07
	-10 - 0	0.0929	0.0105	0.1231	0.0697	-3.03	-28.04	-0.43
	0 - 10	0.0737	0.0216	0.0650	0.0152	0.86	12.43	0.57
Cross Section (12)	-50 - -40	#DIV/0!	#DIV/0!	0.0532	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-40 - -30	0.0295	#DIV/0!	0.0379	0.0135	-0.84	-24.93	-0.62
	-30 - -20	#DIV/0!	#DIV/0!	0.0354	0.0123	#DIV/0!	#DIV/0!	#DIV/0!
	-20 - -10	0.0627	0.0235	0.0571	0.0160	0.55	9.27	0.35
	-10 - 0	0.0579	0.0037	0.1102	0.0744	-5.23	-62.22	-0.70
	0 - 10	0.0851	0.0394	0.2629	0.3501	-17.78	-102.22	-0.51
Cross Section (13)	-40 - -30	#DIV/0!	#DIV/0!	0.0471	0.0165	#DIV/0!	#DIV/0!	#DIV/0!
	-30 - -20	0.0223	0.0011	0.0282	0.0070	-0.60	-23.59	-0.85
	-20 - -10	0.0377	#DIV/0!	0.0542	0.0178	-1.65	-35.91	-0.93
	-10 - 0	0.0253	#DIV/0!	0.0806	0.0284	-5.53	-104.44	-1.95
	0 - 10	0.2016	#DIV/0!	0.1187	0.1118	8.29	51.79	0.74
Cross Section (14)	-30 - -20	#DIV/0!	#DIV/0!	0.0218	0.0068	#DIV/0!	#DIV/0!	#DIV/0!
	-20 - -10	0.0137	#DIV/0!	0.0275	0.0207	-1.38	-67.10	-0.67
	-10 - 0	0.0312	0.0037	0.0458	0.0194	-1.47	-38.15	-0.76
	0 - 10	0.0720	#DIV/0!	0.0723	0.0086	-0.03	-0.42	-0.03

Eliza Point

Taking all data in account (30 years)

		2007	2005	1986	1982	1976	Average	Standard Deviation
Cross Section (1)	Area/below 0	28934.19	22935.60	22041.79	25511.92	16402.12	23165.12	4632.56
	Area/below 10	49438.83	43177.91	43590.81	45092.01	37662.69	43792.45	4229.74
	Depth	-34.13	-32.23	-24.00	-25.50	-16.47	-26.46	7.05
	Slope	0.019	0.025	0.015	0.016	0.012	0.017	0.00
	Width	2138.01	2128.38	2208.16	2154.89	2192.56	2164.40	34.61
	Width/below 0	2023.52	1649.34	1924.48	1898.48	1840.85	1867.33	138.61
	Width/below10	2080.93	2095.45	2208.16	2021.72	2192.56	2119.76	78.78
	Wetted Perm./0	2037.18	1661.15	1926.45	1901.12	1842.19	1873.62	138.23
	Wetted Perm./10	2098.72	2119.96	2226.08	2026.06	2209.18	2136.00	82.47
	Cross Section (2)	Area/below 0	33400.00	25047.67	27815.35	28028.41	17590.66	26376.42
Area/below 10		54645.64	47961.46	49739.57	48927.98	39918.11	48238.55	5317.09
Depth		-37.44	-33.68	-26.84	-26.93	-22.14	-29.41	6.09
Slope		0.020	0.024	0.016	0.017	0.014	0.018	0.00
Width		2212.44	2208.34	2246.15	2263.68	2268.57	2239.83	28.18
Width/below 0		2089.29	1655.39	2053.06	2050.54	2102.60	1990.18	188.51
Width/below10		2160.81	2198.32	2246.15	2127.72	2268.57	2200.31	58.30
Wetted Perm./0		2103.29	1667.27	2056.87	2055.32	2104.55	1997.46	186.13
Wetted Perm./10		2178.27	2222.89	2265.14	2136.13	2285.55	2217.59	61.42
Cross Section (3)		Area/below 0	33815.77	26596.55	31904.20	31640.34	20563.42	28904.06
	Area/below 10	55085.21	51182.46	54084.75	53297.51	42443.12	51218.61	5111.21
	Depth	-39.93	-36.50	-28.54	-31.41	-32.93	-33.86	4.44
	Slope	0.021	0.026	0.015	0.020	0.025	0.021	0.00
	Width	2265.14	2261.56	2243.71	2282.96	2265.14	2263.70	13.96
	Width/below 0	2088.05	1650.98	2126.08	2124.90	1803.26	1958.65	218.65
	Width/below10	2160.96	2236.78	2243.71	2206.92	2265.14	2222.70	40.32
	Wetted Perm./0	2108.99	1680.01	2130.33	2132.49	1811.25	1972.62	212.54
	Wetted Perm./10	2185.48	2280.29	2263.74	2217.47	2289.63	2247.32	44.34

Cross Section (4)	Area/below 0	36850.49	22661.07	34736.17	33459.58	25976.91	30736.84	6096.30
	Area/below 10	59143.68	46573.12	58776.46	55636.09	47690.01	53563.87	6040.95
	Depth	-41.02	-31.86	-36.41	-38.57	-48.70	-39.31	6.24
	Slope	0.025	0.046	0.020	0.023	0.038	0.030	0.01
	Width	2424.64	2424.64	2424.64	2409.24	2425.93	2421.82	7.05
	Width/below 0	2041.97	1325.81	2254.66	2142.26	1735.50	1900.04	374.63
	Width/below10	2386.97	2332.14	2424.64	2282.06	2425.93	2370.35	62.39
	Wetted Perm./0	2060.75	1345.33	2258.23	2152.01	1753.36	1913.94	369.41
	Wetted Perm./10	2416.77	2359.84	2447.04	2295.12	2464.89	2396.73	69.40
	Area/below 0	34947.32	27840.17	33795.04	23135.10	21061.11	28155.75	6196.12
Cross Section (5)	Area/below 10	56983.85	48243.52	58010.60	45566.97	43713.32	50503.65	6594.22
	Depth	-39.60	-34.73	-43.27	-30.10	-38.59	-37.26	5.03
	Slope	0.036	0.050	0.023	0.047	0.035	0.038	0.01
	Width	2442.78	2378.93	2444.07	2423.48	2460.93	2430.04	31.50
	Width/below 0	2018.21	1555.26	2287.37	1311.13	1623.68	1759.13	389.48
	Width/below10	2327.83	2277.15	2444.07	2200.71	2460.93	2342.14	110.60
	Wetted Perm./0	2039.62	1569.37	2305.84	1315.24	1634.56	1772.92	395.34
	Wetted Perm./10	2352.26	2295.03	2481.45	2207.92	2487.32	2364.79	120.68
	Area/below 0	30863.65	26373.04	37040.87	19540.86	19019.30	26567.54	7657.27
	Area/below 10	53173.05	46591.72	61038.90	37752.51	40967.46	47904.73	9396.53
Cross Section (6)	Depth	-34.67	-40.94	-49.17	-35.88	-27.96	-37.72	7.90
	Slope	0.041	0.066	0.027	0.046	0.025	0.041	0.02
	Width	2489.93	2466.03	2462.14	2454.34	2472.13	2468.92	13.41
	Width/below 0	1828.00	1472.69	2111.74	1259.16	1500.42	1634.40	335.50
	Width/below10	2355.46	2328.22	2462.14	2240.78	2472.13	2371.75	96.90
	Wetted Perm./0	1836.27	1483.13	2150.33	1261.90	1504.62	1647.25	348.06
	Wetted Perm./10	2367.69	2341.75	2520.02	2244.37	2490.42	2392.85	112.90

Cross Section (7)	Area/below 0	27214.34	26328.72	29643.43	25251.59	15986.01	24884.82	5231.62
	Area/below 10	48216.37	45718.84	50900.41	40991.45	35578.71	44281.15	6081.16
	Depth	-36.79	-30.55	-46.25	-40.85	-27.84	-36.46	7.49
	Slope	0.028	0.067	0.035	0.046	0.027	0.041	0.02
	Width	2337.09	2323.75	2289.33	2329.65	2329.65	2321.90	18.81
	Width/below 0	1550.29	1305.93	1389.32	1086.31	1135.11	1293.39	189.27
	Width/below10	2184.02	2236.98	2289.33	2098.60	2329.65	2227.72	90.63
	Wetted Perm./0	1565.54	1314.32	1440.25	1092.20	1140.38	1310.54	199.05
	Wetted Perm./10	2203.06	2254.87	2360.27	2106.04	2347.47	2254.34	105.49
	Area/below 0	28750.40	24592.43	24681.94	23936.53	15692.15	23530.69	4777.70
Cross Section (8)	Area/below 10	47268.97	41148.50	26915.82	39404.34	32619.07	37471.34	7877.42
	Depth	-43.89	-44.27	-50.40	-44.36	-26.44	-41.87	9.04
	Slope	0.043	0.054	0.049	0.057	0.032	0.047	0.01
	Width	2047.67	2036.65	2047.67	2087.91	2070.64	2058.11	20.76
	Width/below 0	1428.66	1190.39	1252.58	1008.76	1068.24	1189.72	164.73
	Width/below10	1915.91	2014.88	2047.67	1887.72	2070.64	1987.36	81.19
	Wetted Perm./0	1440.06	1199.25	1303.52	1015.02	1071.40	1205.85	172.43
	Wetted Perm./10	1929.36	2028.22	2119.54	1896.11	2085.73	2011.79	96.85
	Area/below 0	23725.51	22912.56	23521.73	21829.44	20014.20	22400.69	1524.43
	Area/below 10	40272.72	38009.74	40656.26	35733.30	34833.43	37901.09	2614.25
Cross Section (9)	Depth	-33.98	-34.08	-51.00	-35.39	-36.14	-38.12	7.26
	Slope	0.031	0.048	0.058	0.064	0.053	0.051	0.01
	Width	1791.20	1819.24	1773.29	1794.43	1815.69	1798.77	18.91
	Width/below 0	1428.26	1129.95	973.42	1003.12	1022.05	1111.36	186.74
	Width/below10	1690.50	1764.44	1773.29	1731.69	1815.69	1755.12	46.93
	Wetted Perm./0	1442.57	1145.65	994.97	1007.27	1028.78	1123.85	187.95
	Wetted Perm./10	1708.40	1788.72	1833.44	1743.39	1836.54	1782.10	56.07

Cross Section (10)	Area/below 0	22866.83	22185.30	25775.02	22129.94	22928.85	23177.19	1498.94
	Area/below 10	38575.08	37914.96	42492.16	36822.25	37804.71	38721.83	2198.72
	Depth	-34.68	-32.18	-49.43	-31.51	-38.47	-37.25	7.34
	Slope	0.039	0.061	0.057	0.054	0.048	0.052	0.01
	Width	1751.76	1749.34	1749.34	1749.34	1834.04	1766.76	37.62
	Width/below 0	1518.41	1211.15	1078.72	1090.20	1105.10	1200.72	185.25
	Width/below10	1621.02	1749.34	1749.34	1672.05	1834.04	1725.16	81.69
	Wetted Perm./0	1523.99	1217.03	1099.20	1093.32	1114.98	1209.70	182.73
	Wetted Perm./10	1630.41	1763.56	1790.79	1682.61	1857.67	1745.01	89.66
	Area/below 0	22426.92	27636.30	23232.99	24555.02	23340.18	24238.28	2046.04
Cross Section (11)	Area/below 10	38623.31	45367.40	40543.97	40045.00	38581.55	40632.25	2784.58
	Depth	-23.19	-28.20	-36.97	-32.06	-27.08	-29.50	5.24
	Slope	0.034	0.032	0.035	0.038	0.058	0.039	0.01
	Width	1807.79	1798.11	1831.92	1826.23	1834.18	1819.65	15.89
	Width/below 0	1416.28	1734.73	1206.90	1195.69	1239.08	1358.54	228.38
	Width/below10	1719.10	1798.11	1831.92	1752.47	1834.18	1787.16	50.42
	Wetted Perm./0	1422.83	1740.90	1214.64	1199.84	1249.46	1365.53	227.97
	Wetted Perm./10	1728.54	1819.83	1859.24	1614.57	1857.62	1775.96	104.67

Years 1986-1976 (Before Weirs were built)

		Average	Standard Deviation
Cross Section (1)	Area/below 0	21318.61	4597.76
	Area/below 10	42115.17	3928.34
	Depth	-21.99	4.84
	Slope	0.014	0.00
	Width	2185.20	27.39
	Width/below 0	1887.94	42.80
	Width/below10	2140.82	103.43
	Wetted Perm./0	1889.92	43.23
	Wetted Perm./10	2153.78	110.93
Cross Section (2)	Area/below 0	24478.14	5965.68
	Area/below 10	46195.22	5451.26
	Depth	-25.30	2.74
	Slope	0.016	0.00
	Width	2259.46	11.79
	Width/below 0	2068.74	29.36
	Width/below10	2214.14	75.68
	Wetted Perm./0	2072.25	27.99
	Wetted Perm./10	2228.94	81.02
Cross Section (3)	Area/below 0	17401.25	7832.57
	Area/below 10	31913.54	7675.21
	Depth	-21.45	1.08
	Slope	0.01	0.00
	Width	1516.03	12.60
	Width/below 0	1309.39	227.43
	Width/below10	1490.69	41.16
	Wetted Perm./0	1314.58	227.15
	Wetted Perm./10	1502.37	51.03

Cross Section (4)	Area/below 0	31390.89	4731.89
	Area/below 10	54034.19	5714.19
	Depth	-41.23	6.56
	Slope	0.027	0.01
	Width	2419.94	9.29
	Width/below 0	2044.14	273.13
	Width/below10	2377.54	82.69
	Wetted Perm./0	2054.53	266.18
	Wetted Perm./10	2402.35	93.29
Cross Section (5)	Area/below 0	25997.08	6832.39
	Area/below 10	49096.96	7774.88
	Depth	-37.32	6.68
	Slope	0.035	0.01
	Width	2442.83	18.76
	Width/below 0	1740.73	498.54
	Width/below10	2368.57	145.62
	Wetted Perm./0	1751.88	505.61
	Wetted Perm./10	2392.23	159.65
Cross Section (6)	Area/below 0	25200.34	10257.51
	Area/below 10	46586.29	12619.13
	Depth	-37.67	10.72
	Slope	0.033	0.01
	Width	2462.87	8.92
	Width/below 0	1623.77	439.47
	Width/below10	2391.69	130.78
	Wetted Perm./0	1638.95	459.20
	Wetted Perm./10	2418.27	151.33

Cross Section (7)	Area/below 0	23627.01	6972.14
	Area/below 10	42490.19	7770.02
	Depth	-38.31	9.46
	Slope	0.036	0.01
	Width	2316.21	23.28
	Width/below 0	1203.58	162.69
	Width/below10	2239.19	123.42
	Wetted Perm./0	1224.28	188.58
	Wetted Perm./10	2271.26	143.23
Cross Section (8)	Area/below 0	21436.87	4989.02
	Area/below 10	32979.74	6252.07
	Depth	-40.40	12.46
	Slope	0.046	0.01
	Width	2068.74	20.19
	Width/below 0	1109.86	127.13
	Width/below10	2002.01	99.64
	Wetted Perm./0	1129.98	152.91
	Wetted Perm./10	2033.79	120.43
Cross Section (9)	Area/below 0	21788.46	1754.12
	Area/below 10	37074.33	3134.50
	Depth	-40.84	8.80
	Slope	0.058	0.01
	Width	1794.47	21.20
	Width/below 0	999.53	24.51
	Width/below10	1773.55	42.00
	Wetted Perm./0	1010.34	17.11
	Wetted Perm./10	1804.46	52.91

Cross Section (10)	Area/below 0	23611.27	1915.96
	Area/below 10	39039.71	3030.00
	Depth	-39.80	9.04
	Slope	0.053	0.00
	Width	1777.57	48.90
	Width/below 0	1091.34	13.23
	Width/below10	1751.81	81.02
	Wetted Perm./0	1102.50	11.20
	Wetted Perm./10	1777.02	88.34
Cross Section (11)	Area/below 0	23709.40	734.29
	Area/below 10	39723.51	1019.95
	Depth	-32.03	4.95
	Slope	0.044	0.01
	Width	1830.78	4.10
	Width/below 0	1213.89	22.52
	Width/below10	1806.19	46.54
	Wetted Perm./0	1221.31	25.47
	Wetted Perm./10	1777.14	140.79

Only 2007 and 2005 (After Weirs were built)

		Average	Standard Deviation
Cross Section (1)	Area/below 0	25934.89	15270.95
	Area/below 10	46308.37	4427.14
	Depth	-33.18	1.34
	Slope	0.022	0.00
	Width	2133.20	6.81
	Width/below 0	1836.43	264.59
	Width/below10	2088.19	10.27
	Wetted Perm./0	1849.16	265.90
	Wetted Perm./10	2109.34	15.02
Cross Section (2)	Area/below 0	29223.84	17381.54
	Area/below 10	51303.55	4726.43
	Depth	-35.56	2.66
	Slope	0.022	0.00
	Width	2210.39	2.90
	Width/below 0	1872.34	306.81
	Width/below10	2179.56	26.52
	Wetted Perm./0	1885.28	308.32
	Wetted Perm./10	2200.58	31.55
Cross Section (3)	Area/below 0	29250.38	3753.08
	Area/below 10	52633.60	2052.23
	Depth	-32.52	5.62
	Slope	0.021	0.01
	Width	2252.64	12.62
	Width/below 0	1888.53	335.95
	Width/below10	2240.25	4.90
	Wetted Perm./0	1905.17	318.43
	Wetted Perm./10	2272.01	11.70

Before and after

Differences	Percent Difference
4616.28	19.5
4193.20	9.5
-11.19	-40.6
0.008	42.9
-52.01	2.4
-51.51	2.8
-52.63	2.5
-40.75	2.2
-44.43	2.1
4745.70	17.7
5108.33	10.5
-10.26	-33.7
0.006	33.0
-49.07	2.2
-196.40	10.0
-34.58	1.6
-186.97	9.4
-28.36	1.3
11849.13	50.8
20720.06	49.0
-11.07	-41.0
0.006	32.6
736.60	39.1
579.14	36.2
749.56	40.2
590.59	36.7
769.65	40.8

Cross Section (4)	Area/below 0	29755.78	18586.83
	Area/below 10	52858.40	31158.33
	Depth	-36.44	21.53
	Slope	0.035	0.02
	Width	2424.64	1399.86
	Width/below 0	1683.89	1036.04
	Width/below10	2359.56	1362.57
	Wetted Perm./0	1703.04	1046.30
	Wetted Perm./10	2388.31	1379.18
Cross Section (5)	Area/below 0	31393.74	18470.25
	Area/below 10	52613.68	30689.28
	Depth	-37.17	21.60
	Slope	0.043	0.03
	Width	2410.86	1392.27
	Width/below 0	1786.73	1057.22
	Width/below10	2302.49	1329.58
	Wetted Perm./0	1804.49	1068.03
	Wetted Perm./10	2323.64	1341.86
Cross Section (6)	Area/below 0	28618.35	16674.67
	Area/below 10	49882.39	28987.00
	Depth	-37.81	22.05
	Slope	0.054	0.03
	Width	2477.98	1430.71
	Width/below 0	1650.34	969.25
	Width/below10	2341.84	1352.13
	Wetted Perm./0	1659.70	974.36
	Wetted Perm./10	2354.72	1359.56

-1635.11	5.3
-1175.79	2.2
4.79	-12.3
0.008	26.8
4.70	0.2
-360.25	19.3
-17.99	0.8
-351.49	18.7
-14.04	0.6
5396.66	18.8
3516.72	6.9
0.15	-0.4
0.008	20.0
-31.97	1.3
46.01	2.6
-66.08	2.8
52.61	3.0
-68.59	2.9
3418.00	12.7
3296.10	6.8
-0.14	-0.4
0.021	48.5
15.11	0.6
26.57	1.6
-49.85	2.1
20.75	1.3
-63.55	2.7

Cross Section (7)	Area/below 0	26771.53	15462.89
	Area/below 10	46967.61	27145.50
	Depth	-33.67	19.69
	Slope	0.048	0.03
	Width	2330.42	1345.49
	Width/below 0	1428.11	833.52
	Width/below10	2210.50	1276.51
	Wetted Perm./0	1439.93	840.78
	Wetted Perm./10	2228.97	1287.16
Cross Section (8)	Area/below 0	26671.41	15538.46
	Area/below 10	44208.74	25706.73
	Depth	-44.08	25.45
	Slope	0.048	0.03
	Width	2042.16	1179.06
	Width/below 0	1309.53	765.38
	Width/below10	1965.39	1135.80
	Wetted Perm./0	1319.66	771.36
	Wetted Perm./10	1978.79	1143.52
Cross Section (9)	Area/below 0	23319.03	13469.39
	Area/below 10	39141.23	22626.51
	Depth	-34.03	19.65
	Slope	0.040	0.02
	Width	1805.22	1042.34
	Width/below 0	1279.10	753.40
	Width/below10	1727.47	998.04
	Wetted Perm./0	1294.11	761.76
	Wetted Perm./10	1748.56	1010.33

3144.52	12.5
4477.42	10.0
4.64	-12.9
0.012	27.4
14.21	0.6
224.53	17.1
-28.69	1.3
215.65	16.2
-42.29	1.9
5234.54	21.8
11229.00	29.1
-3.68	-8.7
0.002	4.3
-26.58	1.3
199.67	16.5
-36.62	1.8
189.67	15.5
-55.01	2.7
1530.58	6.8
2066.90	5.4
6.81	-18.2
-0.018	37.8
10.75	0.6
279.57	24.5
-46.08	2.6
283.77	24.6
-55.90	3.1

Cross Section (10)	Area/below 0	22526.07	13009.89
	Area/below 10	38245.02	22083.24
	Depth	-33.43	19.34
	Slope	0.050	0.03
	Width	1750.55	1010.68
	Width/below 0	1364.78	802.79
	Width/below10	1685.18	975.05
	Wetted Perm./0	1370.51	806.01
	Wetted Perm./10	1696.98	982.01
Cross Section (11)	Area/below 0	25031.61	14684.85
	Area/below 10	41995.36	24479.39
	Depth	-25.69	15.04
	Slope	0.033	0.02
	Width	1802.95	1040.95
	Width/below 0	1575.50	923.45
	Width/below10	1758.61	1016.10
	Wetted Perm./0	1581.87	927.03
	Wetted Perm./10	1774.18	1025.34

-1085.20	4.7
-794.69	2.1
6.37	-17.4
-0.003	5.0
-27.02	1.5
273.44	22.3
-66.63	3.9
268.01	21.7
-80.04	4.6
1322.21	5.4
2271.85	5.6
6.34	-22.0
-0.010	26.9
-27.82	1.5
361.61	25.9
-47.58	2.7
360.55	25.7
-2.96	0.2

		2007		2005		1986		1982		1976	
		Slope	R2 Value	Slope	R2 Value	Slope	R2 Value	Slope	R2 Value	Slope	R2 Value
Cross Section (1)	-40 - -30	0.0176	0.3505	0.0407	0.6681						
	-30 - -20	0.0237	0.6064	0.0473	0.9812	0.0129	0.9416	0.0083	0.7453		
	-20 - -10	0.0143	0.8681	0.0195	0.9483	0.0208	0.8868	0.0194	0.9628	0.0098	0.8994
	-10 - 0	0.0088	0.89	0.0127	0.8062	0.0119	0.9598	0.0109	0.6949	0.0105	0.9686
	0 - 10	0.2405	0.9607	0.0101	0.3663	0.0112	0.7331	0.161	0.9921	0.0171	0.9206
Cross Section (2)	-40 - -30	0.0103	0.2937	-0.0028	0.068						
	-30 - -20	0.0187	0.6627	0.0113	0.4729	0.0197	0.8855	0.0211	0.9117	0.211	1
	-20 - -10	0.0056	0.4315	0.0298	0.9436	0.0156	0.7728	0.0249	0.964	0.0114	0.9199
	-10 - 0	0.0048	0.5452	0.0127	0.849	0.0032	0.1165	0.004	0.1843	0.0097	0.8707
	0 - 10	0.1899	0.9978	-0.0005	0.001	0.0322	0.6514	0.1709	0.9994	0.0305	0.8476
Cross Section (3)	-40 - -30	0.0115	0.3424	0.0094	0.4719			0.0224	0.9524	0.2077	1
	-30 - -20	0.0092	0.2418	0.0046	0.0443	0.0194	0.8656	0.0319	0.9583	0.1208	0.9469
	-20 - -10	0.0314	0.9703	0.007	0.3031	0.0006	0.0079	0.0329	0.9436	0.0176	0.9465
	-10 - 0	0.0036	0.1979	0.0168	0.909	0.0025	0.0994	-0.0003	0.0002	0.015	0.9736
	0 - 10	0.2727	0.9352	-0.0072	0.0747	0.0236	0.4189	0.1694	1	0.007	0.3595
Cross Section (4)	-50 - -40	0.0571	0.7519							0.1993	1
	-40 - -30	-0.0055	0.0973	0.0369	0.9514	0.0376	1	0.0346	0.9633	0.2421	0.9388
	-30 - -20	0.0289	0.3459	0.1033	0.954	0.0473	0.9022	0.0548	0.9993		
	-20 - -10	0.0596	0.9503	0.0237	0.8184	0.0028	0.1699	0.0499	0.9923	0.0249	0.9218
	-10 - 0	0.0082	0.7942	0.0226	0.6067	0.0078	0.81	0.0003	0.0006	0.0154	0.9854
	0 - 10	0.0225	0.5075	-0.0005	0.0113	0.0037	0.1531			0.0064	0.8933
Cross Section (5)	-50 - -40					0.0923	1				
	-40 - -30	0.0753	0.809	0.233	0.9909	0.0644	0.9878	0.0497	1	0.2216	1
	-30 - -20	0.1431	0.9959	0.0651	0.5274	0.064	0.993	0.0529	0.8432	0.0439	0.8769
	-20 - -10	0.0803	0.9843	0.0621	0.9114	0.0228	0.8773	0.0444	0.9783	0.0308	0.9235
	-10 - 0	0.01	0.952	0.0202	0.874	0.004	0.2128	0.0376	0.9986	0.017	0.9957
	0 - 10	0.0216	0.7555	0.014	0.8274	0.0039	0.1042	-0.0028	0.0712	0.0046	0.8933

Cross Section (6)	-50 - -40			0.0566	0.9833	0.0624	0.9918				
	-40 - -30	0.1264	0.9639	0.1176	0.953	0.0439	0.9645	0.047	0.9998		
	-30 - -20	0.108	0.9973	0.068	0.79	0.0529	0.9974	0.0477	0.9892	0.028	0.8432
	-20 - -10	0.0731	0.9795	0.0969	0.9671	0.0442	0.9704	0.0717	0.9882	0.0356	0.9895
	-10 - 0	0.013	0.8847	0.0276	0.9107	0.0058	0.6506	0.0312	0.9687	0.0147	0.9308
	0 - 10	0.0041	0.2301	0.0071	0.9086	-1.00E-04	0.0002	0.0081	0.7135	0.0035	0.5278
Cross Section (7)	-50 - -40					2.41E-01	1	0.0217	1		
	-40 - -30	0.0623	0.9637	0.0225	0.6686	0.0185	0.3817	0.0371	0.9207		
	-30 - -20	0.0922	0.9928	0.0897	0.9389	0.0764	0.9974	0.0662	0.9862	0.0062	0.1021
	-20 - -10	0.0077	0.6035	0.0685	0.9601	0.0268	0.9959	0.0464	0.9724	0.0351	0.8953
	-10 - 0	0.0206	0.7824	0.0594	0.9376	0.0197	0.7985	0.0647	0.9895	0.0242	0.9526
	0 - 10	0.0022	0.1501	0.0055	0.5315	0.0013	0.0432	0.0067	0.7902	0.004	0.7014
Cross Section (8)	-60 - -50					0.1115	1				
	-50 - -40	0.1652	0.9787	0.0795	0.7944	0.0445	0.8407	0.0491	0.9988		
	-40 - -30	0.0915	0.9669	0.0612	0.9778	0.0891	0.9972	0.053	0.9859		
	-30 - -20	0.0581	0.9454	0.0347	0.7683	0.0935	0.9902	0.0552	0.9809	0.0121	0.7404
	-20 - -10	0.0147	0.7149	0.0401	0.7518	0.0428	0.9853	0.0599	0.9825	0.0679	0.98
	-10 - 0	0.0359	0.8259	0.0378	0.9611	0.0225	0.889	0.0626	0.9963	0.0287	0.9352
	0 - 10	0.0008	0.0113	0.0006	0.0088	-0.0016	0.0547	0.002	0.0685	0.0051	0.7823
Cross Section (9)	-60 - -50					0.0365	1				
	-50 - -40					0.0414	0.8779				
	-40 - -30	0.0447	0.9424	0.0488	0.9303	0.1092	0.9875	0.047	0.9999	0.0953	0.9189
	-30 - -20	0.0344	0.9309	0.0103	0.2089	0.0747	0.9974	0.0535	0.9868	0.0455	0.8541
	-20 - -10	0.0309	0.8898	0.0805	0.9367	0.0735	0.9495	0.0882	0.9988	0.0729	0.9999
	-10 - 0	0.0304	0.9832	0.0659	0.9825	0.0374	0.991			0.0399	0.9449
	0 - 10	0.0039	0.1588	0.0084	0.7218	-0.0022	0.1347	0.0062	0.3565	0.0065	0.7738
Cross Section (10)	-50 - -40					0.082	0.9067				
	-40 - -30	0.101	0.9927	0.0678	0.9861	0.0714	0.9594	0.0479	0.9997	0.1534	1
	-30 - -20	0.072	0.9951	0.0727	0.9611	0.0366	0.9146	0.0316	0.899	0.0119	0.2923
	-20 - -10	0.043	0.978	0.0588	0.9377			0.101	0.997	0.093	0.9842
	-10 - 0	0.0234	0.9153	0.0424	0.9273	0.0358	0.9708	0.0603	0.9759	0.045	0.9042
	0 - 10	0.1085	0.9773	0.0068	0.447	-0.0023	0.1589	0.0065	0.4257	0.008	0.7928

Cross Section (11)	-40 - -30					0.0421	0.9805	0.0122	0.7089		
	-30 - -20	0.0078	0.5788	0.0208	0.8142	0.0206	0.8212	0.0316	0.9716	0.0389	0.9427
	-20 - -10	0.0296	0.8234	0.0345	0.9406	0.0714	0.9372	0.0384	0.9458	0.0818	0.983
	-10 - 0	0.0687	0.988	0.025	0.953	0.034	0.9843	0.0498	0.9803	0.0567	0.984
	0 - 10	0.0126	0.4463	0.0704	0.7354	-0.0017	0.0504	0.0114	0.754	0.0116	0.8765

		2007	2005	1986	1982	1976
		Slope	Slope	Slope	Slope	Slope
Cross Section (1)	-40 - -30					
	-30 - -20		0.0473	0.0129		
	-20 - -10	0.0143	0.0195	0.0208	0.0194	0.0098
	-10 - 0	0.0088	0.0127	0.0119		0.0105
	0 - 10	0.2405			0.161	0.0171
Cross Section (2)	-40 - -30					
	-30 - -20			0.0197	0.0211	0.211
	-20 - -10		0.0298		0.0249	0.0114
	-10 - 0		0.0127			0.0097
	0 - 10	0.1899			0.1709	0.0305
Cross Section (3)	-40 - -30				0.0224	0.2077
	-30 - -20			0.0194	0.0319	0.1208
	-20 - -10	0.0314			0.0329	0.0176
	-10 - 0		0.0168			0.015
	0 - 10	0.2727			0.1694	
Cross Section (4)	-50 - -40					0.1993
	-40 - -30		0.0369	0.0376	0.0346	0.2421
	-30 - -20		0.1033	0.0473	0.0548	
	-20 - -10	0.0596	0.0237		0.0499	0.0249
	-10 - 0			0.0078		0.0154
	0 - 10					0.0064
Cross Section (5)	-50 - -40			0.0923		
	-40 - -30	0.0753	0.233	0.0644	0.0497	0.2216
	-30 - -20	0.1431		0.064	0.0529	0.0439
	-20 - -10	0.0803	0.0621	0.0228	0.0444	0.0308
	-10 - 0	0.01	0.0202		0.0376	0.017
	0 - 10		0.014			0.0046

Cross Section (6)	-50 - -40		0.0566	0.0624		
	-40 - -30	0.1264	0.1176	0.0439	0.047	
	-30 - -20	0.108		0.0529	0.0477	0.028
	-20 - -10	0.0731	0.0969	0.0442	0.0717	0.0356
	-10 - 0	0.013	0.0276		0.0312	0.0147
	0 - 10		0.0071			
Cross Section (7)	-50 - -40			0.2407	0.0217	
	-40 - -30	0.0623			0.0371	
	-30 - -20	0.0922	0.0897	0.0764	0.0662	
	-20 - -10		0.0685	0.0268	0.0464	0.0351
	-10 - 0		0.0594		0.0647	0.0242
	0 - 10					
Cross Section (8)	-60 - -50			0.1115		
	-50 - -40	0.1652		0.0445	0.0491	
	-40 - -30	0.0915	0.0612	0.0891	0.053	
	-30 - -20	0.0581		0.0935	0.0552	
	-20 - -10			0.0428	0.0599	0.0679
	-10 - 0	0.0359	0.0378	0.0225	0.0626	0.0287
	0 - 10					
Cross Section (9)	-60 - -50			0.0365		
	-50 - -40			0.0414		
	-40 - -30	0.0447	0.0488	0.1092	0.047	0.0953
	-30 - -20	0.0344		0.0747	0.0535	0.0455
	-20 - -10	0.0309	0.0805	0.0735	0.0882	0.0729
	-10 - 0	0.0304	0.0659	0.0374		0.0399
	0 - 10					
Cross Section (10)	-50 - -40			0.082		
	-40 - -30	0.101	0.0678	0.0714	0.0479	0.1534
	-30 - -20	0.072	0.0727	0.0366	0.0316	
	-20 - -10	0.043	0.0588		0.101	0.093
	-10 - 0	0.0234	0.0424	0.0358	0.0603	0.045
	0 - 10	0.1085				

Cross Section (11)	-40 - -30			0.0421		
	-30 - -20		0.0208	0.0206	0.0316	0.0389
	-20 - -10	0.0296	0.0345	0.0714	0.0384	0.0818
	-10 - 0	0.0687	0.025	0.034	0.0498	0.0567
	0 - 10					0.0116

		Average	Std. Deviation	Average	Std. Deviation	Diff. in Slope	% Difference	Change / Normal Dev.
Cross Section (1)	-40 - -30	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-30 - -20	0.0473	#DIV/0!	0.0129	#DIV/0!	3.44	114.29	#DIV/0!
	-20 - -10	0.0169	0.0037	0.0167	0.0060	0.02	1.39	0.04
	-10 - 0	0.0108	0.0028	0.0112	0.0010	-0.05	-4.10	-0.45
	0 - 10	0.2405	#DIV/0!	0.0891	0.1018	15.15	91.91	1.49
Cross Section (2)	-40 - -30	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-30 - -20	#DIV/0!	#DIV/0!	0.0839	0.1100	#DIV/0!	#DIV/0!	#DIV/0!
	-20 - -10	0.0298	#DIV/0!	0.0182	0.0095	1.17	48.59	1.22
	-10 - 0	0.0127	#DIV/0!	0.0097	#DIV/0!	0.30	26.79	#DIV/0!
	0 - 10	0.1899	#DIV/0!	0.1007	0.0993	8.92	61.39	0.90
Cross Section (3)	-40 - -30	#DIV/0!	#DIV/0!	0.1151	0.1310	#DIV/0!	#DIV/0!	#DIV/0!
	-30 - -20	#DIV/0!	#DIV/0!	0.0574	0.0553	#DIV/0!	#DIV/0!	#DIV/0!
	-20 - -10	0.0314	#DIV/0!	0.0253	0.0108	0.62	21.71	0.57
	-10 - 0	0.0168	#DIV/0!	0.0150	#DIV/0!	0.18	11.32	#DIV/0!
	0 - 10	0.2727	#DIV/0!	0.1694	#DIV/0!	10.33	46.73	#DIV/0!
Cross Section (4)	-50 - -40	#DIV/0!	#DIV/0!	0.1993	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-40 - -30	0.0369	#DIV/0!	0.1048	0.1189	-6.79	-95.81	-0.57
	-30 - -20	0.1033	#DIV/0!	0.0511	0.0053	5.23	67.70	9.85
	-20 - -10	0.0417	0.0254	0.0374	0.0177	0.43	10.75	0.24
	-10 - 0	#DIV/0!	#DIV/0!	0.0116	0.0054	#DIV/0!	#DIV/0!	#DIV/0!
	0 - 10	#DIV/0!	#DIV/0!	0.0064	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Cross Section (5)	-50 - -40	#DIV/0!	#DIV/0!	0.0923	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-40 - -30	0.1542	0.1115	0.1119	0.0953	4.23	31.76	0.44
	-30 - -20	0.1431	#DIV/0!	0.0536	0.0101	8.95	91.00	8.89
	-20 - -10	0.0712	0.0129	0.0327	0.0109	3.85	74.20	3.53
	-10 - 0	0.0151	0.0072	0.0273	0.0146	-1.22	-57.55	-0.84
	0 - 10	0.0140	#DIV/0!	0.0046	#DIV/0!	0.94	101.08	#DIV/0!

Cross Section (11)	-40 - -30	#DIV/0!	#DIV/0!	0.0421	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-30 - -20	0.0208	#DIV/0!	0.0304	0.0092	-0.96	-37.39	-1.04
	-20 - -10	0.0321	0.0035	0.0639	0.0227	-3.18	-66.34	-1.40
	-10 - 0	0.0469	0.0309	0.0468	0.0116	0.00	0.04	0.00
	0 - 10	#DIV/0!	#DIV/0!	0.0116	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Establishment

Taking all data in account (30 years)

		2007	2005	1986	1982	1976	Average	Standard Deviation
Cross Section (1)	Area/below 0	22655.29	21373.49	16004.07	23262.45	16759.96	16675.88	3392.84
	Area/below 10	39803.81	39211.87	31729.17	40549.42	33978.72	37054.60	3944.84
	Depth	-25.88	-28.37	-25.30	-38.43	-29.40	-29.48	5.28
	Slope	-0.022	-0.021	-0.026	-0.037	-0.032	-0.028	0.01
	Width	1794.51	1876.52	1893.56	1882.73	1873.29	1864.12	39.68
	Width/below 0	1570.87	1456.77	1135.91	1277.92	1123.12	1312.92	197.37
	Width/below10	1794.51	1876.52	1893.56	1882.73	1873.29	1864.12	39.68
	Wetted Perm./0	1577.20	1464.60	1138.28	1283.60	1126.02	1317.94	199.39
	Wetted Perm./10	1809.20	1899.37	1908.78	1898.71	1890.60	1881.33	40.83
	Cross Section (2)	Area/below 0	21720.51	20006.30	19081.24	22160.90	20333.27	17217.04
Area/below 10		38984.99	37381.41	35719.97	42473.47	37118.54	38335.67	2587.32
Depth		-27.01	-24.14	-37.87	-47.14	-36.15	-34.46	9.18
Slope		-0.020	-0.021	-0.038	-0.049	-0.038	-0.033	0.01
Width		1822.67	1856.27	1834.24	1571.54	1862.95	1789.53	122.95
Width/below 0		1483.71	1473.76	1223.85	1110.18	1144.72	1287.25	179.63
Width/below10		1822.67	1856.27	1834.24	1843.17	1862.95	1843.86	16.28
Wetted Perm./0		1492.28	1478.68	1230.99	1144.35	1148.93	1299.05	173.71
Wetted Perm./10		1839.47	1870.17	1851.57	1869.97	1876.87	1861.61	15.55
Cross Section (3)		Area/below 0	21842.64	20156.90	25658.68	20454.10	22734.82	22750.97
	Area/below 10	39552.64	39140.31	43040.85	36710.91	39385.84	40145.23	2260.53
	Depth	-23.51	-23.67	-51.04	-34.99	-36.62	-36.81	11.35
	Slope	-0.021	-0.033	-0.048	-0.041	-0.035	-0.038	0.01
	Width	1867.67	1897.65	1902.96	1893.56	1882.73	1891.25	14.01
	Width/below 0	1554.68	1456.12	1217.22	1102.32	1160.89	1284.74	196.53
	Width/below10	1867.67	1897.65	1902.96	1679.01	1882.73	1855.49	94.36
	Wetted Perm./0	1562.49	1463.20	1228.12	2767.70	2869.76	1853.23	777.63
	Wetted Perm./10	1890.38	1919.68	1923.11	1718.26	1904.02	1879.76	86.43

Cross Section (4)	Area/below 0	23159.79	21640.27	26230.05	17569.85	19854.96	18075.82	3283.21
	Area/below 10	31909.92	40141.63	42717.03	30828.31	36838.51	30405.90	5129.90
	Depth	-24.90	-23.87	-37.00	-32.13	-28.14	-24.34	5.42
	Slope	-0.024	-0.035	-0.035	-0.038	-0.037	-0.028	0.01
	Width	1944.74	1968.08	1947.82	1731.99	1943.52	1589.36	98.47
	Width/below 0	1652.02	1522.37	1374.95	1089.80	1194.77	1138.98	230.19
	Width/below10	1944.74	1968.08	1947.82	1558.56	1943.52	1560.45	175.80
	Wetted Perm./0	1662.34	1529.56	1381.69	1093.69	1199.15	1144.41	232.67
	Wetted Perm./10	1970.55	1992.13	1964.52	1564.22	1961.61	1575.51	182.85
	Area/below 0	22275.62	23976.81	29389.26	31725.85	19629.22	21166.12	5025.43
Cross Section (5)	Area/below 10	40818.49	42846.58	35980.79	43866.36	37071.69	33430.65	3477.88
	Depth	-21.19	-21.61	-38.67	-30.35	-29.07	-23.48	7.20
	Slope	-0.018	-0.028	-0.046	-0.030	-0.036	-0.026	0.01
	Width	1989.80	1998.90	2030.29	2012.21	2021.64	1675.47	16.44
	Width/below 0	1558.46	1713.86	1420.61	1523.46	1232.14	1241.42	178.35
	Width/below10	1989.80	1998.90	2030.29	1712.94	2021.64	1625.59	133.93
	Wetted Perm./0	1566.73	1730.26	1433.98	1548.90	1234.01	1252.31	183.67
	Wetted Perm./10	2014.31	2027.74	2054.89	1749.70	2035.78	1647.07	127.63

Years 1986-1976 (Before Weirs were built)

		Average	Standard Deviation
Cross Section (1)	Area/below 0	18675.49	3990.36
	Area/below 10	35419.10	4583.14
	Depth	-31.04	6.72
	Slope	-0.032	0.01
	Width	1883.19	10.14
	Width/below 0	1178.99	85.92
	Width/below10	1883.19	10.14
	Wetted Perm./0	1182.63	87.65
	Wetted Perm./10	1899.37	9.11
Cross Section (2)	Area/below 0	20525.14	1548.77
	Area/below 10	38437.32	3564.67
	Depth	-40.39	5.91
	Slope	-0.042	0.01
	Width	1756.24	160.60
	Width/below 0	1159.59	58.27
	Width/below10	1846.79	14.69
	Wetted Perm./0	1174.76	48.75
	Wetted Perm./10	1866.14	13.08
Cross Section (3)	Area/below 0	22949.20	2608.91
	Area/below 10	39712.53	3177.59
	Depth	-40.88	8.83
	Slope	-0.042	0.01
	Width	1893.08	10.12
	Width/below 0	1160.14	57.45
	Width/below10	1821.57	123.87
	Wetted Perm./0	2288.52	919.76
	Wetted Perm./10	1848.46	113.16

Cross Section (4)	Area/below 0	21218.29	4488.18
	Area/below 10	36794.62	5944.48
	Depth	-32.42	4.44
	Slope	-0.037	0.00
	Width	1874.44	123.39
	Width/below 0	1219.84	144.22
	Width/below10	1816.64	223.51
	Wetted Perm./0	1224.84	145.71
	Wetted Perm./10	1830.12	230.28
Cross Section (5)	Area/below 0	26914.77	6416.73
	Area/below 10	38972.95	4272.78
	Depth	-32.70	5.21
	Slope	-0.038	0.01
	Width	2021.38	9.04
	Width/below 0	1392.07	147.74
	Width/below10	1921.62	180.78
	Wetted Perm./0	1405.63	159.35
	Wetted Perm./10	1946.79	170.96

Only 2007 and 2005 (After Weirs were built) Before and after

		Average	Standard Deviation
Cross Section (1)	Area/below 0	22014.39	12726.16
	Area/below 10	39507.84	418.57
	Depth	-27.13	1.76
	Slope	-0.022	0.00
	Width	1835.52	57.99
	Width/below 0	1513.82	80.68
	Width/below10	1835.52	57.99
	Wetted Perm./0	1520.90	79.63
	Wetted Perm./10	1854.29	63.76
Cross Section (2)	Area/below 0	20863.41	12075.95
	Area/below 10	38183.20	1133.90
	Depth	-25.58	2.03
	Slope	-0.021	0.00
	Width	1839.47	23.75
	Width/below 0	1478.74	7.03
	Width/below10	1839.47	23.75
	Wetted Perm./0	1485.48	9.62
	Wetted Perm./10	1854.82	21.71
Cross Section (3)	Area/below 0	33829.11	2818.79
	Area/below 10	60866.90	2142.89
	Depth	-49.11	15.85
	Slope	-0.051	0.01
	Width	2834.14	19.03
	Width/below 0	2114.01	173.53
	Width/below10	2834.14	19.03
	Wetted Perm./0	2126.90	171.72
	Wetted Perm./10	2866.59	17.98

Differences	Percent Difference
3338.90	16.4
4088.74	10.9
3.92	-13.5
0.010	-38.1
-47.68	2.6
334.84	24.9
-47.68	2.6
338.27	25.0
-45.08	2.4
338.27	1.6
-254.12	0.7
14.81	-44.9
0.021	-66.9
83.23	4.6
319.15	24.2
-7.32	0.4
310.72	23.4
-11.31	0.6
10879.91	38.3
21154.37	42.1
-8.23	-18.3
-0.009	-20.3
941.05	39.8
953.87	58.3
1012.57	43.5
-161.62	7.3
1018.12	43.2

Cross Section (4)	Area/below 0	22400.03	12954.96
	Area/below 10	36025.77	21202.81
	Depth	-24.39	14.09
	Slope	-0.029	0.02
	Width	1956.41	1129.59
	Width/below 0	1587.20	918.66
	Width/below10	1956.41	1129.59
	Wetted Perm./0	1595.95	923.81
	Wetted Perm./10	1981.34	1143.98
Cross Section (5)	Area/below 0	23126.21	13378.99
	Area/below 10	41832.54	24173.31
	Depth	-21.40	12.36
	Slope	-0.023	0.01
	Width	1994.35	1151.45
	Width/below 0	1636.16	947.83
	Width/below10	1994.35	1151.45
	Wetted Perm./0	1648.49	955.26
	Wetted Perm./10	2021.03	1166.86

1181.74	5.4
-768.84	2.1
8.04	-28.3
0.008	-23.0
81.96	4.3
367.36	26.2
139.77	7.4
371.10	26.3
151.22	7.9
-3788.56	15.1
2859.59	7.1
11.30	-41.8
0.014	-47.7
-27.03	1.3
244.09	16.1
72.73	3.7
242.87	15.9
74.24	3.7

		2007		2005		1986		1982		1976	
		Slope	R2 Value	Slope	R2 Value	Slope	R2 Value	Slope	R2 Value	Slope	R2 Value
Cross Section (1)	-40 - -30							-0.0368	0.8327		
	-30 - -20	-0.0233	0.8602	-0.0115	0.661	-0.013	0.8095	-0.0527	0.8964	-0.0264	0.9215
	-20 - -10	-0.0239	0.9533	-0.0209	0.7917	-0.0353	0.9435	-0.0328	0.9978	-0.0349	0.9961
	-10 - 0	-0.0157	0.9636	-0.0161	0.8667	-0.0244	0.938	-0.0341	0.9776	-0.0315	0.9892
	0 - 10	-0.0552	0.609	-0.0293	0.6882	-0.0127	0.8995	-0.0154	0.8772	-0.0096	0.6878
Cross Section (2)	-50 - -40							-0.043	0.9984		
	-40 - -30					-0.0604	0.9542	-0.7368	1	-0.0325	0.9596
	-30 - -20	-0.0089	0.549	-0.0024	0.3938	-0.0566	0.9724	-0.0491	0.9654	-0.0416	0.9855
	-20 - -10	-0.0141	0.7466	-0.0166	0.497	-0.0271	0.9487	-0.0397	0.9971	-0.0426	0.9906
	-10 - 0	-0.0211	0.9838	-0.0203	0.9255	-0.0213	0.8335	-0.0193	0.855	-0.0338	0.9955
	0 - 10	-0.0541	0.6268	-0.0229	0.4354	-0.0188	0.783	-0.0199	0.8861	-0.011	0.7492
Cross Section (3)	-60 - -50					-0.1109	0.9972				
	-50 - -40					-0.1152	1				
	-40 - -30					-0.0627	1	-0.0331	0.8617	-0.0263	0.9823
	-30 - -20	-0.0105	0.5136	-0.0338	0.8407	-0.0549	0.9847	-0.0411	0.9779	-0.0318	0.9424
	-20 - -10	-0.0189	0.7384	-0.0286	0.8677	-0.0272	0.9221	-0.0409	0.9798	-0.0477	0.9851
	-10 - 0	-0.0124	0.5081	-0.0318	0.8193	-0.0052	0.1876	-0.0418	0.9809	-0.0372	0.9892
	0 - 10	-0.0456	0.6067	-0.0089	0.1547	-0.016	0.3606	-0.0112	0.3205	-0.0114	0.7715
Cross Section (4)	-40 - -30					-0.0224	0.6908	-0.072	0.9967		
	-30 - -20	-0.0022	0.0235	-0.0446	0.8948	-0.0301	0.9437	-0.0275	0.9848	-0.0311	0.9652
	-20 - -10	-0.0187	0.9137	-0.0297	0.931	-0.0473	0.9873	-0.0563	0.9915	-0.0471	0.9965
	-10 - 0	-0.0043	0.096	-0.0311	0.9757	-0.034	0.9916	-0.0373	0.9416	-0.0349	0.9904
	0 - 10	-0.0407	0.5109	-0.0067	0.2744			-0.0211	0.6912	-0.0132	0.8131
Cross Section (5)	-40 - -30					-0.0398	0.9747	-0.0162	1		
	-30 - -20	0.0035	0.0867	-0.0251	0.8972	-0.041	0.9598	-0.0208	0.859	-0.032	0.973
	-20 - -10	-0.0116	0.8347	-0.0325	0.8523	-0.0728	0.9973	-0.0382	0.8303	-0.0485	0.9982
	-10 - 0	-0.0252	0.9797	-0.0118	0.5862	-0.0406	0.9988	0.0085	0.3262	-0.0341	0.9824
	0 - 10	-0.0264	0.515	-0.0288	0.9183	-0.0153	0.9248	-0.0307	0.9324	-0.0152	0.8863

		2007	2005	1986	1982	1976
		Slope	Slope	Slope	Slope	Slope
Cross Section (1)	-40 - -30				-0.0368	
	-30 - -20	-0.0233		-0.013	-0.0527	-0.0264
	-20 - -10	-0.0239		-0.0353	-0.0328	-0.0349
	-10 - 0	-0.0157	-0.0161	-0.0244	-0.0341	-0.0315
	0 - 10			-0.0127	-0.0154	
Cross Section (2)	-50 - -40				-0.043	
	-40 - -30			-0.0604	-0.7368	-0.0325
	-30 - -20			-0.0566	-0.0491	-0.0416
	-20 - -10			-0.0271	-0.0397	-0.0426
	-10 - 0	-0.0211	-0.0203	-0.0213	-0.0193	-0.0338
	0 - 10				-0.0199	
Cross Section (3)	-60 - -50			-0.1109		
	-50 - -40			-0.1152		
	-40 - -30			-0.0627	-0.0331	-0.0263
	-30 - -20		-0.0338	-0.0549	-0.0411	-0.0318
	-20 - -10		-0.0286	-0.0272	-0.0409	-0.0477
	-10 - 0		-0.0318		-0.0418	-0.0372
	0 - 10					
Cross Section (4)	-40 - -30				-0.072	
	-30 - -20		-0.0446	-0.0301	-0.0275	-0.0311
	-20 - -10	-0.0187	-0.0297	-0.0473	-0.0563	-0.0471
	-10 - 0		-0.0311	-0.034	-0.0373	-0.0349
	0 - 10					-0.0132
Cross Section (5)	-40 - -30			-0.0398	-0.0162	
	-30 - -20		-0.0251	-0.041	-0.0208	-0.032
	-20 - -10	-0.0116	-0.0325	-0.0728	-0.0382	-0.0485
	-10 - 0	-0.0252		-0.0406		-0.0341
	0 - 10		-0.0288	-0.0153	-0.0307	-0.0152

		Average	Std. Deviation	Average	Std. Deviation	Diff. in Slope	% Difference	Change / Normal Dev.
Cross Section (1)	-40 - -30	#DIV/0!	#DIV/0!	-0.0368	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-30 - -20	-0.0233	#DIV/0!	-0.0307	0.0202	0.74	27.41	0.37
	-20 - -10	-0.0239	#DIV/0!	-0.0343	0.0013	1.04	35.83	7.77
	-10 - 0	-0.0159	0.0003	-0.0300	0.0050	1.41	61.44	2.81
	0 - 10	#DIV/0!	#DIV/0!	-0.0141	0.0019	#DIV/0!	#DIV/0!	#DIV/0!
Cross Section (2)	-50 - -40	#DIV/0!	#DIV/0!	-0.0430	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-40 - -30	#DIV/0!	#DIV/0!	-0.2766	0.3988	#DIV/0!	#DIV/0!	#DIV/0!
	-30 - -20	#DIV/0!	#DIV/0!	-0.0491	0.0075	#DIV/0!	#DIV/0!	#DIV/0!
	-20 - -10	#DIV/0!	#DIV/0!	-0.0365	0.0082	#DIV/0!	#DIV/0!	#DIV/0!
	-10 - 0	-0.0207	0.0006	-0.0248	0.0079	0.41	18.02	0.52
	0 - 10	#DIV/0!	#DIV/0!	-0.0199	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Cross Section (3)	-60 - -50	#DIV/0!	#DIV/0!	-0.1109	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-50 - -40	#DIV/0!	#DIV/0!	-0.1152	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-40 - -30	#DIV/0!	#DIV/0!	-0.0407	0.0194	#DIV/0!	#DIV/0!	#DIV/0!
	-30 - -20	-0.0338	#DIV/0!	-0.0426	0.0116	0.88	23.04	0.76
	-20 - -10	-0.0286	#DIV/0!	-0.0386	0.0104	1.00	29.76	0.96
	-10 - 0	-0.0318	#DIV/0!	-0.0395	0.0033	0.77	21.60	2.37
	0 - 10	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Cross Section (4)	-40 - -30	#DIV/0!	#DIV/0!	-0.0720	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-30 - -20	-0.0446	#DIV/0!	-0.0296	0.0019	-1.50	-40.54	-8.09
	-20 - -10	-0.0242	0.0078	-0.0502	0.0053	2.60	69.95	4.95
	-10 - 0	-0.0311	#DIV/0!	-0.0354	0.0017	0.43	12.93	2.52
	0 - 10	#DIV/0!	#DIV/0!	-0.0132	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Cross Section (5)	-40 - -30	#DIV/0!	#DIV/0!	-0.0280	0.0167	#DIV/0!	#DIV/0!	#DIV/0!
	-30 - -20	-0.0251	#DIV/0!	-0.0313	0.0101	0.62	21.88	0.61
	-20 - -10	-0.0221	0.0148	-0.0532	0.0178	3.11	82.74	1.75
	-10 - 0	-0.0252	#DIV/0!	-0.0374	0.0046	1.22	38.85	2.64
	0 - 10	-0.0288	#DIV/0!	-0.0204	0.0089	-0.84	-34.15	-0.94

Fountain Bluff

Taking all data in account (30 years)

		2007	2005	1986	1982	1976	Average	Standard Deviation
Cross Section (1)	Area/below 0	20663.81	15875.97	14452.83	11107.37	14271.45	15274.28	3480.40
	Area/below 10	35295.92	30105.29	28074.86	24135.09	28779.91	29278.21	4032.52
	Depth	-32.21	-22.47	-25.97	-23.72	-24.40	-25.75	3.82
	Slope	0.027	0.018	0.028	0.028	0.020	0.024	0.00
	Width	1485.43	1452.18	1437.54	1446.18	1453.65	1455.00	18.15
	Width/below 0	1365.37	1296.76	1101.71	1015.66	1423.77	1240.65	174.76
	Width/below10	1485.43	1452.18	1437.54	1446.18	1453.65	1455.00	18.15
	Wetted Perm./0	1371.77	1304.63	1107.94	1018.88	1428.53	1246.35	175.51
	Wetted Perm./10	1503.67	1475.67	1460.95	1463.65	1476.60	1476.11	16.92
	Cross Section (2)	Area/below 0	20507.07	17651.97	13847.79	9675.89	11612.26	14659.00
Area/below 10		34893.50	31869.45	27420.38	21665.88	25626.17	28295.08	5199.76
Depth		-35.75	-27.45	-30.43	-22.85	-19.64	-27.22	6.32
Slope		0.029	0.023	0.037	0.035	0.017	0.028	0.01
Width		1469.03	1452.45	1429.31	1364.42	1407.11	1424.46	40.92
Width/below 0		1306.92	1280.69	980.24	888.91	1364.54	1164.26	214.30
Width/below10		1469.03	1452.45	1429.31	1364.42	1407.11	1424.46	40.92
Wetted Perm./0		1318.08	1287.54	987.67	891.19	1368.49	1170.59	215.71
Wetted Perm./10		1492.59	1473.69	1454.18	1379.83	1428.45	1445.75	43.85
Cross Section (3)		Area/below 0	24248.20	22670.74	15502.89	9815.13	11236.04	16694.60
	Area/below 10	38127.37	36845.53	29147.16	21026.15	25263.58	30081.96	7358.21
	Depth	-45.11	-34.43	-36.83	-29.34	-17.63	-32.67	10.15
	Slope	0.046	0.030	0.050	0.040	0.021	0.037	0.01
	Width	1456.65	1458.26	1430.03	1288.39	1422.15	1411.10	70.42
	Width/below 0	1273.71	1277.43	895.29	865.94	1133.35	1089.15	199.29
	Width/below10	1456.65	1458.26	1430.03	1288.39	1422.15	1411.10	70.42
	Wetted Perm./0	1286.67	1285.84	905.47	874.04	1134.75	1097.36	199.66
	Wetted Perm./10	1481.97	1476.79	1458.03	1309.39	1442.01	1433.64	71.24

Cross Section (4)	Area/below 0	22727.70	23811.47	18591.13	8942.64	14532.31	17721.05	6126.69
	Area/below 10	39191.07	40060.66	34179.80	20386.40	30589.79	32881.54	7975.21
	Depth	-28.60	-32.86	-30.26	-24.34	-18.41	-26.89	5.67
	Slope	0.028	0.039	0.032	0.035	0.019	0.030	0.01
	Width	1667.36	1692.47	1621.33	1335.86	1644.86	1592.38	145.80
	Width/below 0	1547.88	1450.34	1080.96	858.68	1332.76	1254.12	281.66
	Width/below10	1667.36	1685.24	1621.33	1335.86	1644.86	1590.93	144.59
	Wetted Perm./0	1556.12	1454.58	1090.09	877.50	1335.04	1262.67	276.73
	Wetted Perm./10	1687.81	1784.04	1640.47	1368.05	1663.53	1628.78	155.66
	Area/below 0	21724.89	18806.38	18992.16	9397.38	14143.21	16612.81	4867.44
Cross Section (5)	Area/below 10	37688.45	34423.90	34806.62	18586.73	29300.98	30961.34	7548.46
	Depth	-27.49	-22.36	-34.51	-25.18	-25.21	-26.95	4.60
	Slope	0.033	0.031	0.034	0.037	0.026	0.032	0.00
	Width	1627.42	1589.67	1635.27	1250.07	1612.17	1542.92	164.63
	Width/below 0	1480.23	1449.25	1173.62	693.68	1162.61	1191.88	315.74
	Width/below10	1627.42	1589.67	1635.27	1250.07	1612.17	1542.92	164.63
	Wetted Perm./0	1485.74	1462.91	1184.78	719.69	1165.73	1203.77	309.35
	Wetted Perm./10	1644.93	1619.75	1664.45	1287.35	1627.90	1568.88	158.31
	Area/below 0	20358.30	18031.00	17225.41	13406.53	16953.28	17194.90	2505.85
	Area/below 10	34507.09	32430.79	30774.26	23672.11	30243.19	30325.49	4074.12
Cross Section (6)	Depth	-31.40	-24.15	-46.52	-31.13	-38.28	-34.30	8.47
	Slope	0.027	0.024	0.081	0.047	0.046	0.045	0.02
	Width	1455.07	1462.87	1456.04	1358.80	1466.43	1439.84	45.55
	Width/below 0	1304.54	1314.01	900.60	845.20	983.82	1069.63	224.28
	Width/below10	1455.07	1462.87	1456.04	1358.80	1466.43	1439.84	45.55
	Wetted Perm./0	1310.06	1326.60	911.45	856.45	991.49	1079.21	223.58
	Wetted Perm./10	1471.94	1491.95	1484.83	1380.37	1488.48	1463.52	47.09

Cross Section (7)	Area/below 0	21472.14	19229.96	16888.23	14763.79	15805.70	17631.96	2711.79
	Area/below 10	34544.81	32476.98	29053.62	24562.31	27789.15	29685.38	3925.80
	Depth	-38.79	-31.50	-46.47	-35.48	-33.09	-37.07	5.93
	Slope	0.040	0.036	0.090	0.062	0.052	0.056	0.02
	Width	1358.91	1345.13	1363.02	1363.02	1373.31	1360.68	10.19
	Width/below 0	1217.14	1169.99	757.53	856.97	899.49	980.22	202.14
	Width/below10	1358.91	1345.13	1363.02	1331.84	1373.31	1354.44	16.18
	Wetted Perm./0	1228.95	1177.03	768.68	867.53	904.38	989.31	202.11
	Wetted Perm./10	1382.20	1369.78	1391.63	1352.64	1391.84	1377.62	16.62
	Area/below 0	26975.41	19279.58	19239.08	19158.84	16514.15	20233.41	3947.80
Area/below 10	40702.25	32394.60	32150.04	29559.59	29350.97	32831.49	4621.24	
Cross Section (8)	Depth	-47.62	-34.56	-50.69	-38.53	-34.78	-41.24	7.48
	Slope	0.043	0.036	0.105	0.063	0.052	0.060	0.03
	Width	1467.45	1462.66	1470.66	1482.44	1473.33	1471.31	7.39
	Width/below 0	1267.23	1195.43	719.71	903.29	886.01	994.33	229.32
	Width/below10	1467.45	1462.66	1470.66	1340.63	1473.33	1442.94	57.34
	Wetted Perm./0	1277.58	1201.62	728.50	917.46	889.97	1003.03	229.29
	Wetted Perm./10	1486.04	1479.23	1496.86	1364.99	1491.07	1463.64	55.52
	Area/below 0	25443.34	21783.61	19941.77	19075.21	16816.03	20611.99	3237.85
	Area/below 10	39366.96	35876.46	32668.46	29678.10	29616.08	33441.21	4196.27
	Depth	-40.43	-31.22	-44.11	-37.89	-34.26	-37.58	5.06
Cross Section (9)	Slope	0.049	0.028	0.080	0.056	0.049	0.052	0.02
	Width	1527.39	1538.98	1528.74	1559.63	1544.18	1539.78	13.13
	Width/below 0	1275.32	1280.87	773.39	921.83	928.68	1036.02	229.54
	Width/below10	1527.39	1536.21	1528.74	1251.08	1544.18	1477.52	126.76
	Wetted Perm./0	1287.88	1288.32	780.84	940.06	933.24	1046.07	229.93
	Wetted Perm./10	1543.23	1545.31	1551.78	1279.53	1561.03	1496.18	121.31

Cross Section (10)	Area/below 0	27974.81	25919.42	21844.92	18989.67	16392.67	22224.30	4778.52
	Area/below 10	41402.56	30531.41	34543.74	23374.32	27984.42	31567.29	6830.57
	Depth	-51.32	-38.82	-39.27	-35.28	-30.33	-39.00	7.76
	Slope	0.097	0.066	0.059	0.051	0.046	0.064	0.02
	Width	1485.83	1479.04	1477.12	1492.60	1488.77	1484.67	6.51
	Width/below 0	1221.17	1096.06	736.00	903.71	839.11	959.21	196.65
	Width/below10	1485.83	1475.35	1477.12	1202.45	1488.77	1425.91	125.04
	Wetted Perm./0	1236.88	1101.00	741.81	913.60	842.47	967.15	199.91
	Wetted Perm./10	1505.15	1490.27	1499.99	1222.79	1501.76	1443.99	123.78
	Area/below 0	33932.83	35787.82	21279.25	17445.48	18157.57	25320.59	8851.45
Cross Section (11)	Area/below 10	46362.36	48495.90	34968.77	27279.74	28975.78	37216.51	9779.73
	Depth	-42.96	-54.37	-35.81	-32.63	-31.49	-39.45	9.46
	Slope	0.106	0.136	0.055	0.047	0.044	0.078	0.04
	Width	1365.46	1354.43	1383.88	1370.08	1370.08	1368.79	10.59
	Width/below 0	1204.61	1230.01	1329.71	854.04	881.26	1099.93	217.35
	Width/below10	1365.46	1290.07	1383.88	1185.02	1370.08	1318.90	83.31
	Wetted Perm./0	1214.40	1244.41	1337.38	858.69	885.81	1108.14	220.26
	Wetted Perm./10	1379.72	1317.43	1408.65	1196.90	1388.45	1338.23	86.04

Years 1986-1976 (Before Weirs were built)

		Average	Standard Deviation
Cross Section (1)	Area/below 0	13277.21	1881.33
	Area/below 10	26996.62	2503.10
	Depth	-24.70	1.15
	Slope	0.025	0.00
	Width	1445.79	8.06
	Width/below 0	1180.38	215.13
	Width/below10	1445.79	8.06
	Wetted Perm./0	1185.12	215.46
	Wetted Perm./10	1467.06	8.36
Cross Section (2)	Area/below 0	11711.98	2087.74
	Area/below 10	24904.14	2944.41
	Depth	-24.31	5.54
	Slope	0.030	0.01
	Width	1400.28	32.98
	Width/below 0	1077.90	252.41
	Width/below10	1400.28	32.98
	Wetted Perm./0	1082.45	252.37
	Wetted Perm./10	1420.82	37.76
Cross Section (3)	Area/below 0	7017.06	1004.74
	Area/below 10	15429.91	2996.32
	Depth	-15.66	8.28
	Slope	0.020	0.01
	Width	903.51	94.59
	Width/below 0	666.43	189.09
	Width/below10	903.51	94.59
	Wetted Perm./0	669.60	184.35
	Wetted Perm./10	917.13	93.78

Cross Section (4)	Area/below 0	14022.03	4844.44
	Area/below 10	28385.33	7156.06
	Depth	-24.34	5.93
	Slope	0.028	0.01
	Width	1534.02	172.01
	Width/below 0	1090.80	237.19
	Width/below10	1534.02	172.01
	Wetted Perm./0	1100.88	228.96
	Wetted Perm./10	1557.35	164.34
Cross Section (5)	Area/below 0	14177.59	4797.48
	Area/below 10	27564.78	8248.15
	Depth	-28.30	5.38
	Slope	0.032	0.01
	Width	1499.17	216.03
	Width/below 0	1009.97	273.97
	Width/below10	1499.17	216.03
	Wetted Perm./0	1023.40	263.19
	Wetted Perm./10	1526.57	207.97
Cross Section (6)	Area/below 0	15861.74	2130.62
	Area/below 10	28229.85	3956.04
	Depth	-38.64	7.70
	Slope	0.058	0.02
	Width	1427.09	59.37
	Width/below 0	909.87	69.78
	Width/below10	1427.09	59.37
	Wetted Perm./0	919.80	67.91
	Wetted Perm./10	1451.23	61.39

Cross Section (7)	Area/below 0	15819.24	1062.28
	Area/below 10	27135.03	2316.00
	Depth	-38.35	7.14
	Slope	0.068	0.02
	Width	1366.45	5.94
	Width/below 0	838.00	72.86
	Width/below10	1356.06	21.59
	Wetted Perm./0	846.86	70.17
	Wetted Perm./10	1378.71	22.57
Cross Section (8)	Area/below 0	18304.02	1550.59
	Area/below 10	30353.53	1559.32
	Depth	-41.34	8.32
	Slope	0.073	0.03
	Width	1475.48	6.18
	Width/below 0	836.34	101.37
	Width/below10	1428.20	75.86
	Wetted Perm./0	845.31	102.09
	Wetted Perm./10	1450.97	74.52
Cross Section (9)	Area/below 0	18611.01	1613.75
	Area/below 10	30654.21	1744.66
	Depth	-38.75	4.98
	Slope	0.062	0.02
	Width	1544.18	15.45
	Width/below 0	874.63	87.75
	Width/below10	1441.33	164.95
	Wetted Perm./0	884.71	90.02
	Wetted Perm./10	1464.12	159.92

Cross Section (10)	Area/below 0	19075.75	2727.14
	Area/below 10	28634.16	5612.99
	Depth	-34.96	4.48
	Slope	0.052	0.01
	Width	1486.17	8.06
	Width/below 0	826.27	84.59
	Width/below10	1389.45	162.05
	Wetted Perm./0	832.63	86.32
	Wetted Perm./10	1408.18	160.55
Cross Section (11)	Area/below 0	18960.77	2039.19
	Area/below 10	30408.10	4039.67
	Depth	-33.31	2.24
	Slope	0.048	0.01
	Width	1374.68	7.96
	Width/below 0	1021.67	267.12
	Width/below10	1312.99	111.04
	Wetted Perm./0	1027.29	268.88
	Wetted Perm./10	1331.33	116.86

Only 2007 and 2005 (After Weirs were built)

		Average	Standard Deviation
Cross Section (1)	Area/below 0	18269.89	10816.37
	Area/below 10	32700.61	3670.33
	Depth	-27.34	6.89
	Slope	0.022	0.01
	Width	1468.81	23.51
	Width/below 0	1331.06	48.52
	Width/below10	1468.81	23.51
	Wetted Perm./0	1338.20	47.48
	Wetted Perm./10	1489.67	19.80
Cross Section (2)	Area/below 0	19079.52	11107.68
	Area/below 10	33381.48	2138.33
	Depth	-31.60	5.87
	Slope	0.026	0.00
	Width	1460.74	11.72
	Width/below 0	1293.81	18.55
	Width/below10	1460.74	11.72
	Wetted Perm./0	1302.81	21.59
	Wetted Perm./10	1483.14	13.37
Cross Section (3)	Area/below 0	19086.82	5068.43
	Area/below 10	32996.35	5443.57
	Depth	-35.63	1.70
	Slope	0.040	0.01
	Width	1444.15	19.96
	Width/below 0	1086.36	270.21
	Width/below10	1444.15	19.96
	Wetted Perm./0	1095.66	268.96
	Wetted Perm./10	1467.41	13.26

Before and after

Differences	Percent Difference
4992.67	31.7
5703.98	19.1
-2.65	-10.2
-0.003	12.3
23.01	1.6
150.68	12.0
23.01	1.6
153.08	12.1
22.61	1.5
7367.54	47.9
8477.33	29.1
-7.29	-26.1
-0.004	13.5
60.46	4.2
215.91	18.2
60.46	4.2
220.36	18.5
62.32	4.3
12069.76	92.5
17566.44	72.5
-19.97	-77.9
0.020	65.1
540.63	46.1
419.93	47.9
540.63	46.1
426.06	48.3
550.28	46.2

Cross Section (4)	Area/below 0	23269.59	13445.63
	Area/below 10	39625.87	22882.14
	Depth	-30.73	17.87
	Slope	0.033	0.02
	Width	1679.91	969.98
	Width/below 0	1499.11	866.88
	Width/below10	1676.30	967.85
	Wetted Perm./0	1505.35	870.60
	Wetted Perm./10	1735.92	1003.39
Cross Section (5)	Area/below 0	20265.64	11791.02
	Area/below 10	36056.17	20880.94
	Depth	-24.93	14.62
	Slope	0.032	0.02
	Width	1608.54	928.89
	Width/below 0	1464.74	845.81
	Width/below10	1608.54	928.89
	Wetted Perm./0	1474.33	851.28
	Wetted Perm./10	1632.34	942.52
Cross Section (6)	Area/below 0	19194.65	11142.96
	Area/below 10	33468.94	19351.17
	Depth	-27.77	16.44
	Slope	0.026	0.01
	Width	1458.97	842.35
	Width/below 0	1309.27	755.92
	Width/below10	1458.97	842.35
	Wetted Perm./0	1318.33	761.18
	Wetted Perm./10	1481.95	855.66

9247.56	49.6
11240.54	33.1
-6.39	-23.2
0.005	16.2
145.90	9.1
408.31	31.5
142.28	8.9
404.47	31.0
178.57	10.8
6088.05	35.4
8491.40	26.7
3.37	-12.7
-0.001	1.8
109.37	7.0
454.77	36.8
109.37	7.0
450.93	36.1
105.78	6.7
3332.91	19.0
5239.09	17.0
10.87	-32.7
-0.032	77.3
31.88	2.2
399.40	36.0
31.88	2.2
398.54	35.6
30.72	2.1

Cross Section (7)	Area/below 0	20351.05	11803.04
	Area/below 10	33510.89	19375.13
	Depth	-35.14	20.61
	Slope	0.038	0.02
	Width	1352.02	780.62
	Width/below 0	1193.56	689.51
	Width/below10	1352.02	780.62
	Wetted Perm./0	1202.99	695.03
	Wetted Perm./10	1375.99	794.45
Cross Section (8)	Area/below 0	23127.49	13896.05
	Area/below 10	36548.43	21506.20
	Depth	-41.09	24.61
	Slope	0.039	0.02
	Width	1465.05	845.85
	Width/below 0	1231.33	711.81
	Width/below10	1465.05	845.85
	Wetted Perm./0	1239.60	716.69
	Wetted Perm./10	1482.63	856.01
Cross Section (9)	Area/below 0	23613.47	13755.50
	Area/below 10	37621.71	21790.91
	Depth	-35.82	21.19
	Slope	0.038	0.02
	Width	1533.19	885.20
	Width/below 0	1278.10	737.91
	Width/below10	1531.80	884.40
	Wetted Perm./0	1288.10	743.68
	Wetted Perm./10	1544.27	891.59

4531.81	25.1
6375.87	21.0
3.21	-8.7
-0.030	57.1
-14.43	1.1
355.57	35.0
-4.04	0.3
356.13	34.7
-2.72	0.2
4823.47	23.3
6194.89	18.5
0.25	-0.6
-0.034	60.3
-10.43	0.7
394.99	38.2
36.85	2.5
394.29	37.8
31.66	2.2
5002.47	23.7
6967.50	20.4
2.93	-7.9
-0.024	47.2
-11.00	0.7
403.46	37.5
90.47	6.1
403.38	37.1
80.15	5.3

Cross Section (10)	Area/below 0	26947.11	15591.83
	Area/below 10	35966.99	21465.17
	Depth	-45.07	26.76
	Slope	0.082	0.05
	Width	1482.43	855.89
	Width/below 0	1158.62	671.85
	Width/below10	1480.59	854.84
	Wetted Perm./0	1168.94	678.30
	Wetted Perm./10	1497.71	864.73
Cross Section (11)	Area/below 0	34860.33	20147.98
	Area/below 10	47429.13	27403.99
	Depth	-48.66	28.67
	Slope	0.121	0.07
	Width	1359.94	785.18
	Width/below 0	1217.31	702.93
	Width/below10	1327.76	767.51
	Wetted Perm./0	1229.41	709.96
	Wetted Perm./10	1348.57	779.22

7871.36	34.2
7332.83	22.7
-10.11	-25.3
0.030	44.2
-3.73	0.3
332.35	33.5
91.14	6.4
336.31	33.6
89.53	6.2
15899.56	59.1
17021.03	43.7
-15.35	-37.5
0.073	85.7
-14.74	1.1
195.64	17.5
14.77	1.1
202.11	17.9
17.24	1.3

		2007		2005		1986		1982		1976	
		Slope	R2 Value	Slope	R2 Value	Slope	R2 Value	Slope	R2 Value	Slope	R2 Value
Cross Section (1)	-40 - -30	0.0378	0.8911								
	-30 - -20	0.0344	0.9759	0.0038	0.6141	0.0426	0.9583	0.0254	0.9751	0.1074	0.9999
	-20 - -10	0.0179	0.8809	0.026	0.956	0.0246	0.95	0.032	0.9911	0.0164	0.8203
	-10 - 0	0.0237	0.9467	0.0185	0.9915	0.0241	0.9662	0.0259	0.9453	0.0112	0.9576
	0 - 10	0.0525	0.5157	0.0357	0.6767	0.0163	0.5364	0.0184	0.8631		
Cross Section (2)	-40 - -30	0.1399	0.9832			0.0453	1				
	-30 - -20	0.0143	0.807	0.0153	0.7526	0.0508	0.9908	0.0777	1		
	-20 - -10	0.1589	0.9102	0.0301	0.9818	0.0333	0.9354	0.0467	0.9731	0.0166	0.961
	-10 - 0	0.0208	0.928	0.0225	0.9713	0.0298	0.9739	0.0275	0.9956	0.0141	0.871
	0 - 10	0.0379	0.5693	0.0288	0.5616	0.013	0.541	0.0169	0.9388		
	-50 - -40	0.0522	0.8063								
Cross Section (3)	-40 - -30	0.0856	0.7569	0.0027	0.0803	0.064	0.9996				
	-30 - -20	0.1939	0.9746	0.0193	0.7226	0.0544	0.9716	0.0639	0.995		
	-20 - -10	0.0159	0.7075	0.0555	0.9764	0.0415	0.9989	0.0601	0.9649	0.0162	0.9417
	-10 - 0	0.028	0.9863	0.0184	0.8967	0.0416	0.7752	0.0232	0.9968	0.0146	0.791
	0 - 10	0.0487	0.477	0.0317	0.566	0.0098	0.4979	0.0185	0.9121	-0.0018	0.0024
Cross Section (4)	-40 - -30		0.0312	0.953							
	-30 - -20	0.018	0.4535	0.0721	0.988	0.0172	0.6054	0.0466	0.988		
	-20 - -10	0.0203	0.8378	0.0675	0.9797	0.0402	0.9821	0.0628	0.995	0.0177	0.9585
	-10 - 0	0.0263	0.9776	0.0178	0.9405	0.0388	0.8525	0.0218	0.9897	0.0134	0.8906
Cross Section (5)	0 - 10	0.0526	0.4549	0.0286	0.5086	0.0097	0.4759	0.0153	0.8803	0.0009	0.0008
	-40 - -30					0.0736	1				
	-30 - -20	0.0347	0.9014	0.0314	0.9122	0.0174	0.3504	0.0141	0.3672	0.0211	0.6843
	-20 - -10	0.0295	0.954	0.0359	0.9745	0.0294	0.8128	0.0569	0.9988	0.0252	0.9806
	-10 - 0	0.029	0.983	0.0264	0.9366	0.0318	0.9815	0.0335	0.9905	0.0256	0.9557
0 - 10	0.045	0.5906	0.035	0.6295	0.0136	0.5717	0.0156	0.9202	0.0172	0.5409	

	-50 - -40					0.0809	1				
Cross Section (6)	-40 - -30	0.0529	0.9997	0.1548	1	0.009	1	0.0479	0.9399		
	-30 - -20	0.036	0.979	0.0067	0.3575	0.0685	0.893	0.0689	0.9856	0.0505	0.923
	-20 - -10	0.0151	0.9515	0.0236	0.9514	0.1285	0.9998	0.1005	0.9984	0.0375	0.9991
	-10 - 0	0.0419	0.9877	0.0264	0.9601	0.0395	0.9534	0.0341	0.9989	0.0412	0.9837
	0 - 10	0.0571	0.6173	0.0349	0.6055	0.0085	0.3957	0.0179	0.9012	0.0102	0.4595
	-50 - -40					0.0299	0.3647				
	-40 - -30	0.1008	0.976	0.0491	0.9999	0.2517	1	0.0682	0.9999	0.1415	0.9643
Cross Section (7)	-30 - -20	0.0446	0.8649	0.042	0.9933	0.2517	1	0.0881	0.9761	0.0424	0.9723
	-20 - -10	0.0201	0.9776	0.0319	0.964	0.0966	0.9333	0.062	0.9706	0.0487	0.9826
	-10 - 0	0.0465	0.9902	0.0327	0.9384	0.0684	0.9962	0.0425	0.981	0.055	0.996
	0 - 10	0.0645	0.4693	0.0459	0.5569	0.0077	0.3468	0.0173	0.6825	0.0161	0.721
	-60 - -50					0.0607	1				
	-50 - -40	0.0403	0.8874			0.0559	0.9774				
	-40 - -30	0.0693	0.9939	0.0364	0.9765	0.1209	1	0.038	0.75	0.0299	0.9882
Cross Section (8)	-30 - -20	0.2703	0.942	0.0786	0.9099	0.2148	1	0.0694	0.9981	0.0588	0.9919
	-20 - -10	0.0521	0.9773	0.0251	0.9096	0.2067	0.9968	0.1027	0.9982	0.0467	0.9739
	-10 - 0	0.0263	0.9561	0.0233	0.8977	0.0869	0.9989	0.0521	0.9954	0.0678	0.9989
	0 - 10	0.0618	0.7418	0.0438	0.7664	0.0076	0.5014	0.0219	0.8525	0.0141	0.7345
	-50 - -40	0.0567	0.8616			0.0426	0.9879				
Cross Section (9)	-40 - -30	0.1202	0.9684	0.011	0.8511	0.0339	0.8995	0.0409	0.972	0.0403	0.9364
	-30 - -20	0.0586	0.9854	0.0267	0.8822	0.3416	1	0.0482	0.952	0.035	0.8632
	-20 - -10	0.0336	0.9875	0.0251	0.8714	0.1148	0.9962	0.0859	0.9973	0.0662	0.9958
	-10 - 0	0.0365	0.9546	0.0371	0.9206	0.1146	0.9847	0.0651	0.9921	0.0487	0.9779
	0 - 10	0.0589	0.9468	0.0499	0.9896	0.0075	0.5193	0.0277	0.9486	0.0103	0.7114
	-60 - -50	0.2362	1								
	-50 - -40	0.2188	0.9825								
Cross Section (10)	-40 - -30	0.2054	0.974	0.0396	0.9353	0.0222	0.9587	0.0263	0.9948	0.0152	0.8761
	-30 - -20	0.1709	0.983	0.1332	1	0.0622	0.9153	0.0397	0.9342	0.0265	0.9441
	-20 - -10	0.1081	0.9942	0.0498	0.8435	0.1202	1	0.0751	0.9961	0.1684	1
	-10 - 0	0.0263	0.8484	0.0665	0.9821	0.221	1	0.0945	0.9966	0.0514	1
	0 - 10	0.0582	0.9235	0.0387	0.8288	0.0065	0.308	0.0403	0.9888	0.0152	0.8691

	-60 - -50			0.2133	0.9975						
	-50 - -40	0.0179	0.6602	0.2652	0.9911						
	-40 - -30	0.1596	0.9755	0.1741	0.9462	0.0192	0.9739	0.0134	0.8806	0.017	0.9086
Cross Section (11)	-30 - -20	0.1124	0.9646	0.1667	0.9119	0.0388	0.9202	0.0362	0.8938	0.0275	0.9561
	-20 - -10	0.0779	0.9705	0.1956	1	0.1695	1	0.0952	0.9992	0.0508	0.9793
	-10 - 0	0.3388	0.9758	0.0532	1	0.0105	0.359	0.0646	0.9994	0.093	0.9223
	0 - 10	0.0975	0.6692	0.5733	0.9764	0.0192	0.998	0.0343	0.8331	0.0121	0.4343

		2007	2005	1986	1982	1976
		Slope	Slope	Slope	Slope	Slope
Cross Section (1)	-40 - -30	0.0378				
	-30 - -20	0.0344		0.0426	0.0254	0.1074
	-20 - -10	0.0179	0.026	0.0246	0.032	0.0164
	-10 - 0	0.0237	0.0185	0.0241	0.0259	0.0112
	0 - 10				0.0184	
Cross Section (2)	-40 - -30	0.1399		0.0453		
	-30 - -20	0.0143		0.0508	0.0777	
	-20 - -10	0.1589	0.0301	0.0333	0.0467	0.0166
	-10 - 0	0.0208	0.0225	0.0298	0.0275	0.0141
	0 - 10				0.0169	
Cross Section (3)	-50 - -40	0.0522				
	-40 - -30			0.064		
	-30 - -20	0.1939		0.0544	0.0639	
	-20 - -10		0.0555	0.0415	0.0601	0.0162
	-10 - 0	0.028	0.0184		0.0232	
	0 - 10				0.0185	
Cross Section (4)	-40 - -30					
	-30 - -20		0.0721		0.0466	
	-20 - -10	0.0203	0.0675	0.0402	0.0628	0.0177
	-10 - 0	0.0263	0.0178	0.0388	0.0218	0.0134
	0 - 10				0.0153	
Cross Section (5)	-40 - -30			0.0736		
	-30 - -20	0.0347	0.0314			
	-20 - -10	0.0295	0.0359	0.0294	0.0569	0.0252
	-10 - 0	0.029	0.0264	0.0318	0.0335	0.0256
	0 - 10				0.0156	

Cross Section (6)	-50 --40			0.0809		
	-40 --30	0.0529	0.1548	0.009	0.0479	
	-30 --20	0.036		0.0685	0.0689	0.0505
	-20 --10	0.0151	0.0236	0.1285	0.1005	0.0375
	-10 - 0	0.0419	0.0264	0.0395	0.0341	0.0412
	0 - 10				0.0179	
Cross Section (7)	-50 --40					
	-40 --30	0.1008	0.0491	0.2517	0.0682	0.1415
	-30 --20	0.0446	0.042	0.2517	0.0881	0.0424
	-20 --10	0.0201	0.0319	0.0966	0.062	0.0487
	-10 - 0	0.0465	0.0327	0.0684	0.0425	0.055
	0 - 10					
Cross Section (8)	-60 --50			0.0607		
	-50 --40	0.0403		0.0559		
	-40 --30	0.0693	0.0364	0.1209		0.0299
	-30 --20	0.2703	0.0786	0.2148	0.0694	0.0588
	-20 --10	0.0521	0.0251	0.2067	0.1027	0.0467
	-10 - 0	0.0263	0.0233	0.0869	0.0521	0.0678
	0 - 10				0.0219	
Cross Section (9)	-50 --40	0.0567		0.0426		
	-40 --30	0.1202	0.011	0.0339	0.0409	0.0403
	-30 --20	0.0586	0.0267	0.3416	0.0482	0.035
	-20 --10	0.0336	0.0251	0.1148	0.0859	0.0662
	-10 - 0	0.0365	0.0371	0.1146	0.0651	0.0487
	0 - 10	0.0589	0.0499		0.0277	
Cross Section (10)	-60 --50	0.2362				
	-50 --40	0.2188				
	-40 --30	0.2054	0.0396	0.0222	0.0263	0.0152
	-30 --20	0.1709	0.1332	0.0622	0.0397	0.0265
	-20 --10	0.1081	0.0498	0.1202	0.0751	0.1684
	-10 - 0	0.0263	0.0665	0.221	0.0945	0.0514
	0 - 10	0.0582	0.0387		0.0403	0.0152

Cross Section (11)	-60 - -50		0.2133			
	-50 - -40		0.2652			
	-40 - -30	0.1596	0.1741	0.0192	0.0134	0.017
	-30 - -20	0.1124	0.1667	0.0388	0.0362	0.0275
	-20 - -10	0.0779	0.1956	0.1695	0.0952	0.0508
	-10 - 0	0.3388	0.0532		0.0646	0.093
	0 - 10	0.0975	0.5733	0.0192	0.0343	

		Average	Std. Deviation	Average	Std. Deviation	Diff. in Slope	% Difference	Change / Normal Dev.
Cross Section (1)	-40 - -30	0.0378	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-30 - -20	0.0344	#DIV/0!	0.0585	0.0432	-2.41	-51.83	-0.56
	-20 - -10	0.0220	0.0057	0.0243	0.0078	-0.24	-10.30	-0.31
	-10 - 0	0.0211	0.0037	0.0204	0.0080	0.07	3.37	0.09
	0 - 10	#DIV/0!	#DIV/0!	0.0184	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Cross Section (2)	-40 - -30	0.1399	#DIV/0!	0.0453	#DIV/0!	9.46	102.16	#DIV/0!
	-30 - -20	0.0143	#DIV/0!	0.0643	0.0190	-5.00	-127.18	-2.63
	-20 - -10	0.0945	0.0911	0.0322	0.0151	6.23	98.34	4.13
	-10 - 0	0.0217	0.0012	0.0238	0.0085	-0.22	-9.46	-0.25
	0 - 10	#DIV/0!	#DIV/0!	0.0169	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Cross Section (3)	-50 - -40	0.0522	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-40 - -30	#DIV/0!	#DIV/0!	0.0640	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-30 - -20	0.1939	#DIV/0!	0.0592	0.0067	13.48	106.50	20.06
	-20 - -10	0.0555	#DIV/0!	0.0393	0.0220	1.62	34.26	0.74
	-10 - 0	0.0232	0.0068	0.0232	#DIV/0!	0.00	0.00	#DIV/0!
	0 - 10	#DIV/0!	#DIV/0!	0.0185	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Cross Section (4)	-40 - -30	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-30 - -20	0.0721	#DIV/0!	0.0466	#DIV/0!	2.55	42.97	#DIV/0!
	-20 - -10	0.0439	0.0334	0.0402	0.0226	0.37	8.72	0.16
	-10 - 0	0.0221	0.0060	0.0247	0.0129	-0.26	-11.20	-0.20
	0 - 10	#DIV/0!	#DIV/0!	0.0153	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Cross Section (5)	-40 - -30	#DIV/0!	#DIV/0!	0.0736	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-30 - -20	0.0331	0.0023	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-20 - -10	0.0327	0.0045	0.0372	0.0172	-0.45	-12.79	-0.26
	-10 - 0	0.0277	0.0018	0.0303	0.0042	-0.26	-8.97	-0.63
	0 - 10	#DIV/0!	#DIV/0!	0.0156	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Cross Section (6)	-50 - -40	#DIV/0!	#DIV/0!	0.0809	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-40 - -30	0.1039	0.0721	0.0285	0.0275	7.54	113.98	2.74
	-30 - -20	0.0360	#DIV/0!	0.0626	0.0105	-2.66	-54.00	-2.53
	-20 - -10	0.0194	0.0060	0.0888	0.0466	-6.95	-128.45	-1.49
	-10 - 0	0.0342	0.0110	0.0383	0.0037	-0.41	-11.37	-1.11
	0 - 10	#DIV/0!	#DIV/0!	0.0179	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Cross Section (7)	-50 - -40	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-40 - -30	0.0750	0.0366	0.1538	0.0924	-7.89	-68.94	-0.85
	-30 - -20	0.0433	0.0018	0.1274	0.1100	-8.41	-98.54	-0.76
	-20 - -10	0.0260	0.0083	0.0691	0.0247	-4.31	-90.64	-1.74
	-10 - 0	0.0396	0.0098	0.0553	0.0130	-1.57	-33.09	-1.21
	0 - 10	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Cross Section (8)	-60 - -50	#DIV/0!	#DIV/0!	0.0607	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-50 - -40	0.0403	#DIV/0!	0.0559	#DIV/0!	-1.56	-32.43	#DIV/0!
	-40 - -30	0.0529	0.0233	0.0754	0.0643	-2.26	-35.17	-0.35
	-30 - -20	0.1745	0.1356	0.1143	0.0872	6.01	41.63	0.69
	-20 - -10	0.0386	0.0191	0.1187	0.0812	-8.01	-101.84	-0.99
	-10 - 0	0.0248	0.0021	0.0689	0.0174	-4.41	-94.17	-2.53
	0 - 10	#DIV/0!	#DIV/0!	0.0219	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Cross Section (9)	-50 - -40	0.0567	#DIV/0!	0.0426	#DIV/0!	1.41	28.40	#DIV/0!
	-40 - -30	0.0656	0.0772	0.0384	0.0039	2.72	52.39	7.02
	-30 - -20	0.0427	0.0226	0.1416	0.1733	-9.90	-107.41	-0.57
	-20 - -10	0.0294	0.0060	0.0890	0.0244	-5.96	-100.77	-2.44
	-10 - 0	0.0368	0.0004	0.0761	0.0343	-3.93	-69.66	-1.15
	0 - 10	0.0544	0.0064	0.0277	#DIV/0!	2.67	65.04	#DIV/0!
Cross Section (10)	-60 - -50	0.2362	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-50 - -40	0.2188	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-40 - -30	0.1225	0.1172	0.0212	0.0056	10.13	140.91	18.04
	-30 - -20	0.1521	0.0267	0.0428	0.0181	10.93	112.14	6.05
	-20 - -10	0.0790	0.0412	0.1212	0.0467	-4.23	-42.24	-0.91
	-10 - 0	0.0464	0.0284	0.1223	0.0882	-7.59	-89.98	-0.86
	0 - 10	0.0485	0.0138	0.0278	0.0177	2.07	54.33	1.17

Cross Section (11)	-60 - -50	0.2133	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-50 - -40	0.2652	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-40 - -30	0.1669	0.0103	0.0165	0.0029	15.03	163.94	51.34
	-30 - -20	0.1396	0.0384	0.0342	0.0059	10.54	121.33	17.81
	-20 - -10	0.1368	0.0832	0.1052	0.0600	3.16	26.11	0.53
	-10 - 0	0.1960	0.2019	0.0788	0.0201	11.72	85.30	5.84
	0 - 10	0.3354	0.3364	0.0268	0.0107	30.87	170.45	28.91

Ft. Chartres

Taking all data in account (30 years)

		2007	2005	1986	1982	1976	Average	Standard Deviation
Cross Section (1)	Area/below 0	19419.28	16732.71	12901.74	11003.51	10897.51	11825.79	3757.15
	Area/below 10	31074.90	27725.93	24179.91	21120.86	22605.31	25341.38	4037.55
	Depth	-35.10	-35.87	-30.22	-29.51	-19.30	-30.00	6.62
	Slope	0.034	0.042	0.039	0.038	0.028	0.036	0.01
	Width	1169.54	1099.32	1184.13	1136.18	1171.33	1152.10	34.42
	Width/below 0	1121.44	1099.32	913.48	815.59	1146.93	1019.35	146.48
	Width/below10	1169.54	1099.32	1184.13	1136.18	1171.33	1152.10	34.42
	Wetted Perm./0	1133.14	1135.28	919.34	842.18	1147.82	1035.55	144.02
	Wetted Perm./10	1197.71	1155.28	1202.31	1177.11	1191.14	1184.71	19.00
	Cross Section (2)	Area/below 0	18772.79	18071.54	13007.23	13883.70	13875.19	12935.07
Area/below 10		33653.81	28361.32	22458.08	23840.56	25104.25	26683.60	4467.40
Depth		-39.67	-39.05	-31.02	-33.77	-30.20	-34.74	4.42
Slope		0.051	0.047	0.051	0.045	0.033	0.045	0.01
Width		1114.69	1030.18	1135.42	1124.81	1130.13	1107.04	43.64
Width/below 0		653.52	985.73	729.56	819.53	1008.27	839.32	155.68
Width/below10		1114.69	1030.18	1135.42	1124.81	1130.13	1107.04	43.64
Wetted Perm./0		678.06	1015.45	735.58	848.20	1017.99	859.06	156.40
Wetted Perm./10		1140.59	1078.91	1153.30	1166.82	1158.49	1139.62	35.25
Cross Section (3)		Area/below 0	20208.40	20356.65	15078.40	12423.16	13330.49	16079.25
	Area/below 10	31710.50	31248.91	24412.27	22075.84	24626.71	26414.42	4377.41
	Depth	-27.83	-38.49	-33.50	-31.44	-29.76	-32.42	4.09
	Slope	0.039	0.048	0.055	0.052	0.048	0.049	0.01
	Width	1158.26	1091.16	1151.74	1168.46	1162.06	1147.24	31.43
	Width/below 0	1097.06	1047.32	753.23	794.60	948.68	899.02	151.31
	Width/below10	1158.26	1091.16	1151.74	1168.46	1162.06	1147.24	31.43
	Wetted Perm./0	1106.53	1077.24	770.99	817.20	960.51	917.24	150.35
	Wetted Perm./10	1182.35	1140.32	1181.68	1202.90	1191.50	1180.07	23.66

Cross Section (4)	Area/below 0	20592.41	19427.05	5744.50	8868.15	13063.57	11282.61	6465.62
	Area/below 10	31368.47	29786.41	15150.93	17311.11	24004.74	19603.61	7240.39
	Depth	-32.06	-33.84	-15.76	-30.19	-40.57	-25.40	9.11
	Slope	0.034	0.044	0.032	0.079	0.050	0.040	0.02
	Width	1093.09	1039.93	1104.94	1096.65	1100.75	905.89	26.72
	Width/below 0	1028.79	997.53	791.85	680.87	956.36	742.56	148.82
	Width/below10	1093.09	1039.93	1104.94	1096.65	1100.75	905.89	26.72
	Wetted Perm./0	1041.61	1031.75	810.92	692.69	968.05	757.50	152.11
	Wetted Perm./10	1119.17	1092.08	1136.28	1119.23	1131.08	932.97	17.09
	Cross Section (5)	Area/below 0	30707.45	29820.88	7518.81	15040.76	14218.38	16217.71
Area/below 10		40274.92	39417.93	16301.77	23152.72	23873.75	23836.85	10683.96
Depth		-61.15	-56.16	-24.12	-47.74	-37.20	-37.73	14.91
Slope		0.105	0.102	0.044	0.079	0.046	0.063	0.03
Width		966.43	962.81	972.00	960.90	972.00	805.69	5.12
Width/below 0		928.78	939.88	619.35	694.86	912.95	682.64	150.63
Width/below10		962.81	962.81	972.00	960.90	972.00	805.09	5.44
Wetted Perm./0		952.61	971.31	626.09	726.37	931.49	701.31	155.68
Wetted Perm./10		1003.36	1011.99	1003.50	1003.24	1008.37	838.41	3.95
Cross Section (6)		Area/below 0	27869.65	24515.16	17745.40	19948.40	17146.97	17870.93
	Area/below 10	40410.40	37256.80	28878.88	31032.55	29068.64	27774.55	5215.40
	Depth	-48.25	-45.38	-47.37	-36.81	-25.86	-33.95	9.47
	Slope	0.145	0.116	0.077	0.049	0.028	0.069	0.05
	Width	1269.81	1270.76	1286.24	1279.30	1279.90	1064.33	6.88
	Width/below 0	1217.55	1071.27	835.52	916.33	1076.78	852.91	149.66
	Width/below10	1269.81	1270.76	1284.24	1277.30	1279.90	1063.67	6.12
	Wetted Perm./0	1234.85	1081.97	847.63	927.75	1081.16	862.23	150.74
	Wetted Perm./10	1302.19	1305.92	1313.83	1302.00	1299.56	1087.25	5.59

Cross Section (7)	Area/below 0	27917.94	26064.30	22822.39	22876.78	17785.63	19577.84	3859.89
	Area/below 10	41135.10	39007.35	33882.65	34255.36	30055.61	29722.68	4408.01
	Depth	-46.02	-47.45	-44.52	-46.89	-24.20	-34.85	9.91
	Slope	0.042	0.117	0.066	0.064	0.045	0.056	0.03
	Width	1347.38	1353.21	1363.58	1349.78	1364.63	1129.76	7.94
	Width/below 0	1239.40	1125.86	985.54	924.62	1039.27	885.78	123.27
	Width/below10	1347.38	1353.21	1363.58	1349.78	1364.63	1129.76	7.94
	Wetted Perm./0	1257.02	1137.58	992.08	945.64	1042.42	895.79	124.22
	Wetted Perm./10	1380.92	1380.09	1382.71	1381.46	1383.55	1151.46	1.39
	Cross Section (8)	Area/below 0	29112.65	21122.23	29984.83	24701.56	22223.54	21190.80
Area/below 10		46003.36	36613.99	47180.54	37030.10	38679.75	34251.29	5088.27
Depth		-30.40	-21.52	-35.41	-41.43	-44.54	-28.88	9.15
Slope		0.026	0.018	0.033	0.048	0.055	0.030	0.02
Width		1722.65	1719.57	1719.57	1718.34	1733.15	1435.55	6.08
Width/below 0		1621.45	1397.82	1719.57	1126.74	1338.32	1200.65	235.23
Width/below10		1722.65	1719.57	1719.57	1448.83	1733.15	1390.63	123.07
Wetted Perm./0		1635.56	1408.67	1735.73	1135.62	1349.11	1210.78	238.09
Wetted Perm./10		1749.73	1756.13	1755.73	1468.00	1760.41	1415.00	128.63
Cross Section (9)		Area/below 0	23957.35	20915.29	24576.41	24702.74	17694.94	18641.12
	Area/below 10	42069.29	38612.27	43799.75	37298.10	35010.66	32798.34	3562.96
	Depth	-21.24	-15.89	-31.62	-28.62	-19.78	-19.53	6.50
	Slope	0.052	0.020	0.022	0.051	0.030	0.029	0.02
	Width	1925.62	1914.84	1922.33	1922.06	1922.33	1601.20	3.97
	Width/below 0	1524.60	1712.56	1922.33	1157.76	1321.61	1273.14	303.83
	Width/below10	1925.62	1820.67	1922.33	1541.06	1922.33	1522.00	165.61
	Wetted Perm./0	1705.57	1721.50	1929.74	1160.97	1323.13	1306.82	315.82
	Wetted Perm./10	1938.79	1840.09	1949.74	1550.82	1938.12	1536.26	169.55

Cross Section (10)	Area/below 0	27825.96	20994.42	23024.28	27879.26	17423.90	19524.64	4508.05
	Area/below 10	49934.31	43403.76	40375.99	44142.91	37739.28	35932.71	4583.76
	Depth	-19.46	-17.58	-27.34	-25.33	-15.26	-17.49	5.15
	Slope	0.026	0.019	0.071	0.031	0.018	0.027	0.02
	Width	2299.96	2305.51	2291.98	2284.58	2291.98	1912.33	8.09
	Width/below 0	2047.42	2055.06	1202.89	1360.83	1543.58	1368.30	392.60
	Width/below10	2069.30	2305.51	2291.98	1367.98	2291.98	1721.12	402.10
	Wetted Perm./0	2052.12	2058.23	1206.08	1379.92	1547.39	1373.96	390.15
	Wetted Perm./10	2077.42	2317.91	2306.94	1397.11	2311.81	1735.20	396.28

Years 1986-1976 (Before Weirs were built)

		Average	Standard Deviation
Cross Section (1)	Area/below 0	11600.92	1127.79
	Area/below 10	22635.36	1529.74
	Depth	-26.34	6.11
	Slope	0.035	0.01
	Width	1163.88	24.83
	Width/below 0	958.67	170.23
	Width/below10	1163.88	24.83
	Wetted Perm./0	969.78	158.94
	Wetted Perm./10	1190.19	12.62
Cross Section (2)	Area/below 0	13588.71	503.59
	Area/below 10	23800.96	1323.53
	Depth	-31.67	1.87
	Slope	0.043	0.01
	Width	1130.12	5.31
	Width/below 0	852.45	142.24
	Width/below10	1130.12	5.31
	Wetted Perm./0	867.26	142.17
	Wetted Perm./10	1159.54	6.82
Cross Section (3)	Area/below 0	13610.69	1349.61
	Area/below 10	23704.94	1414.91
	Depth	-31.57	1.87
	Slope	0.051	0.00
	Width	1160.75	8.44
	Width/below 0	832.17	103.00
	Width/below10	1160.75	8.44
	Wetted Perm./0	849.56	98.82
	Wetted Perm./10	1192.02	10.62

Cross Section (4)	Area/below 0	9225.41	3672.59
	Area/below 10	18822.26	4616.29
	Depth	-28.84	12.46
	Slope	0.054	0.02
	Width	1100.78	4.14
	Width/below 0	809.69	138.61
	Width/below10	1100.78	4.14
	Wetted Perm./0	823.89	138.14
	Wetted Perm./10	1128.86	8.74
Cross Section (5)	Area/below 0	12259.32	4125.94
	Area/below 10	21109.41	4179.12
	Depth	-36.35	11.83
	Slope	0.056	0.02
	Width	968.30	6.41
	Width/below 0	742.39	152.46
	Width/below10	968.30	6.41
	Wetted Perm./0	761.32	155.67
	Wetted Perm./10	1005.04	2.89
Cross Section (6)	Area/below 0	18280.26	1475.32
	Area/below 10	29660.02	1192.42
	Depth	-36.68	10.76
	Slope	0.051	0.02
	Width	1281.81	3.84
	Width/below 0	942.87	122.80
	Width/below10	1280.48	3.50
	Wetted Perm./0	952.18	118.67
	Wetted Perm./10	1305.13	7.63

Cross Section (7)	Area/below 0	21161.60	2923.80
	Area/below 10	32731.21	2324.61
	Depth	-38.54	12.47
	Slope	0.058	0.01
	Width	1359.33	8.29
	Width/below 0	983.15	57.36
	Width/below10	1359.33	8.29
	Wetted Perm./0	993.38	48.40
	Wetted Perm./10	1382.57	1.05
Cross Section (8)	Area/below 0	25636.64	3964.24
	Area/below 10	40963.46	5446.96
	Depth	-40.46	4.64
	Slope	0.045	0.01
	Width	1723.69	8.22
	Width/below 0	1394.88	300.44
	Width/below10	1633.85	160.38
	Wetted Perm./0	1406.82	304.19
	Wetted Perm./10	1661.38	167.49
Cross Section (9)	Area/below 0	22324.70	4009.99
	Area/below 10	38702.84	4559.82
	Depth	-26.67	6.15
	Slope	0.034	0.01
	Width	1922.24	0.16
	Width/below 0	1467.24	402.55
	Width/below10	1795.24	220.13
	Wetted Perm./0	1471.28	405.23
	Wetted Perm./10	1812.89	227.04

Cross Section (10)	Area/below 0	22775.81	5232.11
	Area/below 10	40752.72	3218.39
	Depth	-22.64	6.47
	Slope	0.040	0.03
	Width	2289.51	4.27
	Width/below 0	1369.10	170.50
	Width/below10	1983.98	533.47
	Wetted Perm./0	1377.80	170.67
	Wetted Perm./10	2005.29	526.70

Only 2007 and 2005 (After Weirs were built) Before and after

		Average	Standard Deviation	Differences	Percent Difference
Cross Section (1)	Area/below 0	18076.00	10522.28	6475.08	43.6
	Area/below 10	29400.42	2368.08	6765.06	26.0
	Depth	-35.48	0.55	-9.14	-29.6
	Slope	0.038	0.01	0.003	7.9
	Width	1134.43	49.65	-29.45	2.6
	Width/below 0	1110.38	15.64	151.71	14.7
	Width/below10	1134.43	49.65	-29.45	2.6
	Wetted Perm./0	1134.21	1.51	164.44	15.6
	Wetted Perm./10	1176.50	30.00	-13.69	1.2
Cross Section (2)	Area/below 0	18422.16	10641.82	4833.46	30.2
	Area/below 10	31007.56	3742.36	7206.60	26.3
	Depth	-39.36	0.43	-7.69	-21.7
	Slope	0.049	0.00	0.006	12.9
	Width	1072.43	59.75	-57.68	5.2
	Width/below 0	819.62	234.91	-32.83	3.9
	Width/below10	1072.43	59.75	-57.68	5.2
	Wetted Perm./0	846.75	238.58	-20.50	2.4
	Wetted Perm./10	1109.75	43.61	-49.78	4.4
Cross Section (3)	Area/below 0	27821.72	3005.51	14211.04	68.6
	Area/below 10	43685.84	4086.91	19980.90	59.3
	Depth	-49.91	5.33	-18.34	-45.0
	Slope	0.071	0.01	0.020	31.9
	Width	1700.58	37.00	539.83	37.7
	Width/below 0	1448.80	185.82	616.63	54.1
	Width/below10	1700.58	37.00	539.83	37.7
	Wetted Perm./0	1477.38	185.85	627.82	54.0
	Wetted Perm./10	1752.17	24.08	560.15	38.1

Cross Section (4)	Area/below 0	20009.73	11567.31
	Area/below 10	30577.44	17671.61
	Depth	-32.95	19.04
	Slope	0.039	0.02
	Width	1066.51	616.32
	Width/below 0	1013.16	585.16
	Width/below10	1066.51	616.32
	Wetted Perm./0	1036.68	598.55
	Wetted Perm./10	1105.62	638.48
Cross Section (5)	Area/below 0	30264.16	17478.64
	Area/below 10	39846.42	23009.33
	Depth	-58.66	33.96
	Slope	0.103	0.06
	Width	964.62	556.93
	Width/below 0	934.33	539.46
	Width/below10	962.81	555.88
	Wetted Perm./0	961.96	555.47
	Wetted Perm./10	1007.68	581.80
Cross Section (6)	Area/below 0	26192.40	15214.92
	Area/below 10	38833.60	22475.97
	Depth	-46.82	27.07
	Slope	0.130	0.08
	Width	1270.28	733.40
	Width/below 0	1144.41	664.76
	Width/below10	1270.28	733.40
	Wetted Perm./0	1158.41	673.16
	Wetted Perm./10	1304.05	752.90

10784.32	73.8
11755.18	47.6
-4.11	-13.3
-0.015	32.5
-34.27	3.2
203.47	22.3
-34.27	3.2
212.79	22.9
-23.24	2.1
18004.84	84.7
18737.01	61.5
-22.30	-46.9
0.047	58.9
-3.68	0.4
191.94	22.9
-5.50	0.6
200.64	23.3
2.64	0.3
7912.15	35.6
9173.58	26.8
-10.14	-24.3
0.079	86.7
-11.53	0.9
201.54	19.3
-10.20	0.8
206.23	19.5
-1.08	0.1

Cross Section (7)	Area/below 0	26991.12	15610.87
	Area/below 10	40071.22	23159.58
	Depth	-46.73	26.99
	Slope	0.079	0.06
	Width	1350.30	779.60
	Width/below 0	1182.63	685.15
	Width/below10	1350.30	779.60
	Wetted Perm./0	1197.30	693.84
	Wetted Perm./10	1380.50	797.03
Cross Section (8)	Area/below 0	25117.44	15041.84
	Area/below 10	41308.67	24307.25
	Depth	-25.96	15.63
	Slope	0.022	0.01
	Width	1721.11	993.69
	Width/below 0	1509.63	878.73
	Width/below10	1721.11	993.69
	Wetted Perm./0	1522.11	886.08
	Wetted Perm./10	1752.93	1012.06
Cross Section (9)	Area/below 0	22436.32	13042.61
	Area/below 10	40340.78	23354.81
	Depth	-18.56	11.05
	Slope	0.036	0.03
	Width	1920.23	1108.66
	Width/below 0	1618.58	939.20
	Width/below10	1873.14	1082.73
	Wetted Perm./0	1713.54	989.34
	Wetted Perm./10	1889.44	1091.99

5829.52	24.2
7340.02	20.2
-8.20	-19.2
0.021	30.6
-9.03	0.7
199.48	18.4
-9.03	0.7
203.92	18.6
-2.07	0.1
-519.20	2.0
345.21	0.8
14.50	-43.7
-0.023	69.7
-2.58	0.1
114.76	7.9
87.26	5.2
115.29	7.9
91.55	5.4
111.62	0.5
1637.94	4.1
8.11	-35.9
0.002	5.2
-2.02	0.1
151.34	9.8
77.90	4.2
242.26	15.2
76.55	4.1

Cross Section (10)	Area/below 0	24410.19	14501.26
	Area/below 10	46669.04	27141.51
	Depth	-18.52	10.73
	Slope	0.022	0.01
	Width	2302.73	1329.49
	Width/below 0	2051.24	1184.29
	Width/below10	2187.40	1268.41
	Wetted Perm./0	2055.17	1186.56
	Wetted Perm./10	2197.66	1274.51

1634.37	6.9
5916.31	13.5
4.12	-20.0
-0.018	57.0
13.22	0.6
682.14	39.9
203.43	9.8
677.37	39.5
192.37	9.2

		2007		2005		1986		1982		1976	
		Slope	R2 Value	Slope	R2 Value	Slope	R2 Value	Slope	R2 Value	Slope	R2 Value
Cross Section (1)	-40 - -30	0.0172	0.465	0.1891	0.9155	0.0525	1				
	-30 - -20	0.0365	0.8212	0.0713	0.9154	0.0508	0.9902	0.0491	0.9523		
	-20 - -10	0.0235	0.9468	0.0389	0.9556	0.0447	0.9853	0.0391	0.9965	0.0266	0.9712
	-10 - 0	0.031	0.9696	0.0229	0.9705	0.0284	0.9803	0.0284	0.9811	0.0273	0.9578
	0 - 10	0.0327	1			0.0106	0.6963	0.0157	0.8963	0.0185	1
Cross Section (2)	-40 - -30	0.0853	0.9429	0.0373	0.7875	0.0547	1	0.0128	0.3371	0.035	0.9907
	-30 - -20	0.0937	0.9961	0.1412	0.9174	0.0409	0.9588	0.0958	0.9857	0.035	0.9905
	-20 - -10	0.0233	0.9153	0.0541	0.9323	0.0573	0.9965	0.0594	0.9962	0.0422	0.9801
	-10 - 0	0.0444	0.9971	0.0241	0.922	0.061	0.9352	0.0316	0.9667	0.0265	0.9912
	0 - 10	0.0328	1	0.0229	0.6487	0.003	0.0436	0.0239	0.9589	0.0069	0.6951
Cross Section (3)	-40 - -30			0.093	0.9335	0.0313	0.9981	0.0025	1		
	-30 - -20	0.0289	0.8965	0.1287	0.9899	0.0331	0.9973	0.0518	0.9842	0.0817	0.9908
	-20 - -10	0.0331	0.9457	0.0237	0.9125			0.063	0.9957	0.0648	0.9995
	-10 - 0	0.0542	0.9907	0.0405	0.9805	0.064	0.9963	0.0377	0.9895	0.0261	0.9854
	0 - 10	0.0446	1	0.0181	0.9841	0.0212	0.906	0.0201	0.9154	0.0087	0.8443
Cross Section (4)	-50 - -40									0.0731	1
	-40 - -30	0.2623	1	0.0356	0.984			0.1647	1	0.0812	0.9853
	-30 - -20	0.0099	0.4354	0.0372	0.6989			0.167	0.9999	0.1318	0.9904
	-20 - -10	0.0328	0.9375	0.0446	0.9467	0.0438	0.7096	0.0795	0.9817	0.0569	0.9774
	-10 - 0	0.0623	0.9602	0.0451	0.9818	0.0248	0.5935	0.0558	0.8047	0.0231	0.9859
	0 - 10	0.0808	0.9676	0.0552	0.9412	0.0205	0.65	0.0211	0.908	0.0161	1
Cross Section (5)	-70 - -60	0.0989	0.997								
	-60 - -50	0.2194	0.9939	0.0325	0.3075						
	-50 - -40	0.017	0.1257	0.2338	0.9896			0.1013	0.999		
	-40 - -30	0.2679	0.9985	0.262	0.9852			0.0895	0.991	0.0698	0.96
	-30 - -20	0.1025	0.9528	0.1157	0.9567	0.1096	0.9629	0.0968	0.9802	0.0556	0.9141
	-20 - -10	0.0615	0.9822	0.0831	0.9845	0.0341	0.998	0.1176	0.9812	0.0393	0.9432
	-10 - 0	0.1158	0.9905	0.0522	0.9813	0.043	0.961	0.0385	0.9251	0.0262	0.9062
	0 - 10	0.1442	0.91	0.1078	0.9847	0.0265	0.9296	0.036	0.9687	0.0374	0.9985

Cross Section (6)	-50 - -40	0.1603	0.9802	0.0618	0.5063	0.0789	0.9811				
	-40 - -30	0.2116	0.9894					0.0191	0.6389		
	-30 - -20	0.1457	0.9984	0.0991	0.9695	0.0781	0.9928	0.0557	0.9813	0.0127	0.8543
	-20 - -10	0.1134	0.9937	0.1833	0.9995	0.0736	1	0.0603	0.9985	0.0373	0.9655
	-10 - 0	0.1293	0.9887	0.1388	0.9823	0.0666	0.9863	0.0663	0.9944	0.0393	0.9797
	0 - 10	0.137	0.6604	0.0806	0.8793	0.0252	0.9152	0.0252	0.9928	0.0322	0.7207
Cross Section (7)	-50 - -40	0.1165	0.7877	0.0975	0.9009	0.0362	0.9627	0.182	0.9858		
	-40 - -30	0.3169	0.9957	0.0668	0.9406	0.067	0.9731	0.059	0.6513		
	-30 - -20	0.1598	0.9251	0.1087	0.9911	0.0737	1	0.0378	0.973	0.0175	0.9005
	-20 - -10	0.0073	0.7306	0.1998	0.9689			0.0664	0.9894	0.0417	0.9996
	-10 - 0	0.2082	0.9924	0.192	0.9927	0.0396	0.9844	0.0712	0.9808	0.098	0.9625
	0 - 10	0.4171	1	0.185	1	0.0182	0.601	0.021	0.9865	0.0122	0.5378
Cross Section (8)	-50 - -40							0.1404	1	0.006	1
	-40 - -30	0.2365	1			0.0323	0.9151	0.04	0.7897		
	-30 - -20	-0.0012	0.0367	0.0016	0.0704	0.046	0.9999	0.0236	0.9542	0.0399	1
	-20 - -10	0.0039	0.3281	0.0027	0.2927	0.0597	0.98	0.0712	0.923	0.0272	0.8345
	-10 - 0	0.2293	0.9728	0.0506	0.3747	0.0112	0.9603	0.0747	0.988	0.0331	0.9592
	0 - 10	0.1043	0.9411					0.0284	0.807	0.0047	0.2096
Cross Section (9)	-40 - -30					0.0379	1				
	-30 - -20	0.0186	0.8228			0.0222	0.7373	0.0147	0.7625		
	-20 - -10	0.0674	0.9944	0.0041	0.3433	0.0673	0.9629	0.146	0.9998	0.0176	0.9047
	-10 - 0	0.04	0.8235	0.0504	0.8583	0.0099	0.9426	0.146	0.9958	0.0673	0.9701
	0 - 10	0.0957	0.783					0.0311	0.3794	0.0046	0.3382
Cross Section (10)	-30 - -20					0.0341	0.7808	0.0049	0.2919		
	-20 - -10	0.0144	0.6677	0.0091	0.6029	0.061	0.9515	0.0588	0.979	0.001	0.033
	-10 - 0	0.0349	0.914	0.0105	0.6914			0.1062	0.9961	0.0498	0.9789
	0 - 10	0.0571	0.7287	0.032	0.9694	0.003	0.3895	0.0067	0.6256	0.0045	0.5372

		2007	2005	1986	1982	1976
		Slope	Slope	Slope	Slope	Slope
Cross Section (1)	-40 - -30		0.1891	0.0525		
	-30 - -20	0.0365	0.0713	0.0508	0.0491	
	-20 - -10	0.0235	0.0389	0.0447	0.0391	0.0266
	-10 - 0	0.031	0.0229	0.0284	0.0284	0.0273
	0 - 10	0.0327			0.0157	0.0185
Cross Section (2)	-40 - -30	0.0853		0.0547		0.035
	-30 - -20	0.0937	0.1412	0.0409	0.0958	0.035
	-20 - -10	0.0233	0.0541	0.0573	0.0594	0.0422
	-10 - 0	0.0444	0.0241	0.061	0.0316	0.0265
	0 - 10	0.0328			0.0239	
Cross Section (3)	-40 - -30		0.093	0.0313	0.0025	
	-30 - -20	0.0289	0.1287	0.0331	0.0518	0.0817
	-20 - -10	0.0331	0.0237		0.063	0.0648
	-10 - 0	0.0542	0.0405	0.064	0.0377	0.0261
	0 - 10	0.0446	0.0181	0.0212	0.0201	0.0087
Cross Section (4)	-50 - -40					0.0731
	-40 - -30	0.2623	0.0356		0.1647	0.0812
	-30 - -20				0.167	0.1318
	-20 - -10	0.0328	0.0446		0.0795	0.0569
	-10 - 0	0.0623	0.0451		0.0558	0.0231
	0 - 10	0.0808	0.0552		0.0211	0.0161
Cross Section (5)	-70 - -60	0.0989				
	-60 - -50	0.2194				
	-50 - -40		0.2338		0.1013	
	-40 - -30	0.2679	0.262		0.0895	0.0698
	-30 - -20	0.1025	0.1157	0.1096	0.0968	0.0556
	-20 - -10	0.0615	0.0831	0.0341	0.1176	0.0393
	-10 - 0	0.1158	0.0522	0.043	0.0385	0.0262
	0 - 10	0.1442	0.1078	0.0265	0.036	0.0374

Cross Section (6)	-50 --40	0.1603		0.0789		
	-40 --30	0.2116				
	-30 --20	0.1457	0.0991	0.0781	0.0557	0.0127
	-20 --10	0.1134	0.1833	0.0736	0.0603	0.0373
	-10 - 0	0.1293	0.1388	0.0666	0.0663	0.0393
	0 - 10		0.0806	0.0252	0.0252	
Cross Section (7)	-50 --40		0.0975	0.0362	0.182	
	-40 --30	0.3169	0.0668	0.067		
	-30 --20	0.1598	0.1087	0.0737	0.0378	0.0175
	-20 --10		0.1998		0.0664	0.0417
	-10 - 0	0.2082	0.192	0.0396	0.0712	0.098
	0 - 10	0.4171	0.185		0.021	
Cross Section (8)	-50 --40				0.1404	0.006
	-40 --30	0.2365		0.0323		
	-30 --20			0.046	0.0236	0.0399
	-20 --10			0.0597	0.0712	0.0272
	-10 - 0	0.2293		0.0112	0.0747	0.0331
	0 - 10	0.1043			0.0284	
Cross Section (9)	-40 --30			0.0379		
	-30 --20	0.0186				
	-20 --10	0.0674		0.0673	0.146	0.0176
	-10 - 0	0.04	0.0504	0.0099	0.146	0.0673
	0 - 10					
Cross Section (10)	-30 --20					
	-20 --10			0.061	0.0588	
	-10 - 0	0.0349			0.1062	0.0498
	0 - 10		0.032			

		Average	Std. Deviation	Average	Std. Deviation	Diff. in Slope	% Difference	Change / Normal Dev.
Cross Section (1)	-40 - -30	0.1891	#DIV/0!	0.0525	#DIV/0!	13.66	113.08	#DIV/0!
	-30 - -20	0.0539	0.0246	0.0500	0.0012	0.40	7.61	3.29
	-20 - -10	0.0312	0.0109	0.0368	0.0093	-0.56	-16.47	-0.60
	-10 - 0	0.0270	0.0057	0.0280	0.0006	-0.11	-3.94	-1.71
	0 - 10	0.0327	#DIV/0!	0.0171	0.0020	1.56	62.65	7.88
Cross Section (2)	-40 - -30	0.0853	#DIV/0!	0.0449	0.0139	4.05	62.16	2.90
	-30 - -20	0.1175	0.0336	0.0572	0.0335	6.02	68.94	1.80
	-20 - -10	0.0387	0.0218	0.0530	0.0094	-1.43	-31.13	-1.52
	-10 - 0	0.0343	0.0144	0.0397	0.0186	-0.55	-14.74	-0.29
	0 - 10	0.0328	#DIV/0!	0.0239	#DIV/0!	0.89	31.39	#DIV/0!
Cross Section (3)	-40 - -30	0.0930	#DIV/0!	0.0169	0.0204	7.61	138.49	3.74
	-30 - -20	0.0788	0.0706	0.0555	0.0245	2.33	34.64	0.95
	-20 - -10	0.0284	0.0066	0.0639	0.0013	-3.55	-76.92	-27.89
	-10 - 0	0.0474	0.0097	0.0426	0.0194	0.48	10.56	0.24
	0 - 10	0.0314	0.0187	0.0167	0.0069	1.47	61.16	2.12
Cross Section (4)	-50 - -40	#DIV/0!	#DIV/0!	0.0731	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-40 - -30	0.1490	0.1603	0.1230	0.0590	2.60	19.12	0.44
	-30 - -20	#DIV/0!	#DIV/0!	0.1494	0.0249	#DIV/0!	#DIV/0!	#DIV/0!
	-20 - -10	0.0387	0.0083	0.0682	0.0160	-2.95	-55.19	-1.85
	-10 - 0	0.0537	0.0122	0.0395	0.0231	1.43	30.60	0.62
	0 - 10	0.0680	0.0181	0.0186	0.0035	4.94	114.09	13.97
Cross Section (5)	-70 - -60	0.0989	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-60 - -50	0.2194	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-50 - -40	0.2338	#DIV/0!	0.1013	#DIV/0!	13.25	79.08	#DIV/0!
	-40 - -30	0.2650	0.0042	0.0797	0.0139	18.53	107.54	13.30
	-30 - -20	0.1091	0.0093	0.0873	0.0282	2.18	22.16	0.77
	-20 - -10	0.0723	0.0153	0.0637	0.0468	0.86	12.70	0.18
	-10 - 0	0.0840	0.0450	0.0359	0.0087	4.81	80.23	5.53
	0 - 10	0.1260	0.0257	0.0333	0.0059	9.27	116.38	15.63

Greenfield Bend

Taking all data in account (30 years)

		2007	2005	1986	1982	1976	Average	Standard Deviation
Cross Section (1)	Area/below 0	17797.64	11873.04	12057.46	11028.47	17939.12	14139.15	3426.71
	Area/below 10	36503.87	29786.09	29928.32	29070.71	36670.63	32391.92	3844.01
	Depth	-23.33	-20.55	-26.46	-27.46	-20.97	-23.75	3.13
	Slope	-0.014	-0.015	-0.017	-0.020	-0.011	-0.015	0.00
	Width	1909.92	1864.33	1798.21	1864.58	1873.15	1862.04	40.32
	Width/below 0	1848.68	1516.06	1651.37	1509.24	1873.15	1679.70	175.08
	Width/below10	1909.92	1864.33	1798.21	1864.58	1873.15	1862.04	40.32
	Wetted Perm./0	1858.73	1521.01	1656.23	1515.30	1896.53	1689.56	181.21
	Wetted Perm./10	1931.18	1877.64	1820.16	1879.57	1916.53	1885.02	43.05
	Cross Section (2)	Area/below 0	18480.75	13993.26	12641.84	9501.23	16884.05	14300.23
Area/below 10		37877.56	32645.54	30825.29	27903.95	35790.71	33008.61	3949.78
Depth		-23.38	-22.57	-26.89	-24.39	-20.03	-23.45	2.51
Slope		-0.013	-0.016	-0.017	-0.054	-0.011	-0.022	0.02
Width		1957.11	1938.35	1826.84	1925.16	1890.67	1907.63	51.27
Width/below 0		1921.88	1540.90	1708.34	1559.04	1890.67	1724.17	178.83
Width/below10		1957.11	1938.35	1826.84	1901.68	1890.67	1902.93	50.33
Wetted Perm./0		1932.87	1548.71	1712.52	1562.47	1913.50	1734.01	184.38
Wetted Perm./10		1979.66	1955.95	1849.52	1922.67	1933.50	1928.26	49.16
Cross Section (3)		Area/below 0	18846.10	13954.27	13593.14	11752.98	16206.68	14870.63
	Area/below 10	41612.81	33600.53	33165.57	23343.08	36120.84	33568.57	6632.27
	Depth	-25.34	-22.75	-27.32	-26.41	-22.92	-24.95	2.05
	Slope	-0.014	-0.016	-0.016	-0.041	-0.019	-0.021	0.01
	Width	2074.53	2038.26	1968.02	2028.17	1991.42	2020.08	41.51
	Width/below 0	1927.52	1609.19	1830.69	1596.74	1991.42	1791.11	181.09
	Width/below10	2074.53	2038.26	1968.02	2028.17	1991.42	2020.08	41.51
	Wetted Perm./0	1954.78	1621.05	1835.25	1601.41	2012.76	1805.05	188.28
	Wetted Perm./10	2100.29	2053.13	1991.42	2042.23	2032.76	2043.97	39.20

Cross Section (4)	Area/below 0	23275.40	16382.76	14284.71	13615.28	14375.06	16386.64	3987.48
	Area/below 10	43927.90	36806.62	34530.75	31629.60	34281.89	36235.35	4675.37
	Depth	-27.37	-27.44	-31.96	-29.05	-30.89	-29.34	2.05
	Slope	-0.015	-0.022	-0.018	-0.041	-0.031	-0.025	0.01
	Width	2074.63	2063.33	2044.57	2035.73	1995.44	2042.74	30.54
	Width/below 0	2055.53	1908.81	1875.81	1433.35	1924.02	1839.50	237.11
	Width/below10	2074.63	2062.34	2044.57	2020.24	1995.44	2039.44	31.99
	Wetted Perm./0	2074.34	1917.54	1892.32	1439.17	1940.54	1852.79	241.67
	Wetted Perm./10	2106.09	2084.38	2079.48	2032.24	2030.49	2066.53	33.64
	Area/below 0	20997.70	17142.14	13393.64	17586.90	16809.61	17186.00	2702.56
Cross Section (5)	Area/below 10	40384.96	36349.25	33012.10	35198.23	36292.31	36247.37	2678.61
	Depth	-34.65	-29.19	-36.06	-40.06	-42.76	-36.54	5.22
	Slope	-0.019	-0.019	-0.034	-0.053	-0.045	-0.034	0.02
	Width	1961.12	1923.21	1962.06	1945.02	1955.18	1949.32	16.09
	Width/below 0	1923.77	1914.25	1952.53	1320.87	1884.98	1799.28	268.53
	Width/below10	1961.12	1923.21	1962.06	1921.09	1955.18	1944.53	20.61
	Wetted Perm./0	1935.07	1923.37	1959.59	1331.85	1896.05	1809.19	267.82
	Wetted Perm./10	1984.32	1948.87	1988.14	1940.23	1982.73	1968.86	22.49
	Area/below 0	18114.14	16013.24	11033.04	13683.80	10285.30	13825.90	3298.85
	Area/below 10	34115.30	32083.38	17694.20	27755.84	26974.89	27724.72	6344.52
Cross Section (6)	Depth	-31.67	-34.22	-28.64	-32.02	-23.48	-30.01	4.15
	Slope	-0.022	-0.035	-0.043	-0.041	-0.019	-0.032	0.01
	Width	1622.42	1636.95	1620.19	1612.64	1671.07	1632.65	23.21
	Width/below 0	1588.29	1277.38	972.65	1022.68	1659.15	1304.03	314.88
	Width/below10	1622.42	1636.95	1620.19	1594.74	1671.07	1629.07	27.96
	Wetted Perm./0	1599.00	1282.13	977.95	1027.45	1664.79	1310.26	316.33
	Wetted Perm./10	1645.40	1654.24	1642.88	1604.56	1693.68	1648.15	31.80

Cross Section (7)	Area/below 0	19236.39	18323.73	12931.01	11998.72	12409.63	14979.90	3499.66
	Area/below 10	34026.07	32592.67	25137.04	24518.69	27808.97	28816.69	4313.46
	Depth	-36.37	-35.28	-34.51	-28.07	-28.24	-32.49	4.02
	Slope	-0.030	-0.039	-0.081	-0.048	-0.028	-0.045	0.02
	Width	1529.71	1542.97	1521.91	1504.54	1585.35	1536.89	30.45
	Width/below 0	1356.66	1081.75	773.93	973.40	1222.23	1081.59	224.61
	Width/below10	1529.71	1528.83	1521.91	1473.21	1585.35	1527.80	39.79
	Wetted Perm./0	1377.05	1092.68	783.88	979.95	1231.16	1092.95	228.09
	Wetted Perm./10	1559.72	1547.62	1547.18	1484.03	1607.52	1549.21	44.06
	Area/below 0	21535.72	32830.60	16714.31	14000.31	11411.99	19298.59	8441.99
Cross Section (8)	Area/below 10	34774.12	46536.01	22462.54	14823.17	23753.70	28469.91	12356.09
	Depth	-36.44	-42.68	-40.18	-36.88	-37.64	-38.76	2.62
	Slope	-0.042	-0.039	-0.084	-0.061	-0.083	-0.062	0.02
	Width	1387.76	1370.54	1400.32	1376.61	1422.26	1391.50	20.61
	Width/below 0	1221.62	1370.54	745.96	815.76	662.38	963.25	313.10
	Width/below10	1387.76	1370.54	1400.32	1338.63	1422.26	1383.90	31.56
	Wetted Perm./0	1236.35	1394.14	763.67	821.78	668.10	976.81	318.71
	Wetted Perm./10	1410.97	1414.14	1431.72	1346.44	1435.65	1407.78	35.93
	Area/below 0	23255.68	17384.79	19570.43	14199.90	12234.19	17329.00	4356.06
	Area/below 10	36133.63	28463.11	30292.15	24334.87	23149.19	28474.59	5183.19
Cross Section (9)	Depth	-30.77	-29.29	-47.88	-35.51	-30.25	-34.74	7.73
	Slope	-0.029	-0.046	-0.094	-0.053	-0.076	-0.060	0.03
	Width	1430.59	1358.75	1338.42	1332.05	1435.82	1379.13	50.37
	Width/below 0	1190.17	935.97	718.27	819.54	799.69	892.73	183.57
	Width/below10	1430.59	1333.26	1338.42	1261.58	1435.82	1359.93	73.48
	Wetted Perm./0	1200.54	943.87	732.99	825.14	803.05	901.12	183.81
	Wetted Perm./10	1447.18	1345.13	1368.27	1268.67	1447.79	1375.41	75.42

Cross Section (10)	Area/below 0	23939.25	21431.63	16836.76	14880.96	16270.08	18671.73	3836.30
	Area/below 10	37048.38	32531.93	28424.47	24809.97	27853.39	30133.63	4744.14
	Depth	-27.91	-33.51	-39.86	-28.99	-27.53	-31.56	5.22
	Slope	-0.024	-0.086	-0.085	-0.049	-0.037	-0.056	0.03
	Width	1405.29	1359.42	1321.41	1339.09	1388.62	1362.77	34.49
	Width/below 0	1249.01	955.13	841.24	857.92	972.74	975.21	163.62
	Width/below10	1405.29	1309.00	1321.41	1180.88	1388.62	1321.04	88.68
	Wetted Perm./0	1257.97	960.66	849.55	862.63	976.12	981.39	164.65
	Wetted Perm./10	1420.74	1316.24	1346.55	1187.92	1399.49	1334.19	91.69

Years 1986-1976 (Before Weirs were built)

		Average	Standard Deviation
Cross Section (1)	Area/below 0	13675.02	3728.49
	Area/below 10	31889.89	4162.39
	Depth	-24.96	3.49
	Slope	-0.016	0.00
	Width	1845.31	41.02
	Width/below 0	1677.92	183.40
	Width/below10	1845.31	41.02
	Wetted Perm./0	1689.35	192.77
	Wetted Perm./10	1872.09	48.62
Cross Section (2)	Area/below 0	13009.04	3705.08
	Area/below 10	31506.65	3987.28
	Depth	-23.77	3.47
	Slope	-0.027	0.02
	Width	1880.89	49.88
	Width/below 0	1719.35	166.09
	Width/below10	1873.07	40.41
	Wetted Perm./0	1729.50	176.13
	Wetted Perm./10	1901.90	45.68
Cross Section (3)	Area/below 0	13850.93	2238.01
	Area/below 10	30876.50	6689.37
	Depth	-25.55	2.32
	Slope	-0.025	0.01
	Width	1995.87	30.32
	Width/below 0	1806.28	198.47
	Width/below10	1995.87	30.32
	Wetted Perm./0	1816.47	206.32
	Wetted Perm./10	2022.14	27.02

Cross Section (4)	Area/below 0	14091.68	415.05
	Area/below 10	33480.75	1607.96
	Depth	-30.64	1.47
	Slope	-0.030	0.01
	Width	2025.25	26.19
	Width/below 0	1744.39	270.45
	Width/below10	2020.08	24.57
	Wetted Perm./0	1757.35	276.60
	Wetted Perm./10	2047.40	27.79
Cross Section (5)	Area/below 0	15930.05	2230.71
	Area/below 10	34834.21	1670.13
	Depth	-39.63	3.37
	Slope	-0.044	0.01
	Width	1954.08	8.57
	Width/below 0	1719.46	346.84
	Width/below10	1946.11	21.94
	Wetted Perm./0	1729.16	345.55
	Wetted Perm./10	1970.37	26.24
Cross Section (6)	Area/below 0	11667.38	1785.85
	Area/below 10	24141.64	5597.28
	Depth	-28.05	4.30
	Slope	-0.034	0.01
	Width	1634.63	31.78
	Width/below 0	1218.16	382.73
	Width/below10	1628.66	38.87
	Wetted Perm./0	1223.40	383.06
	Wetted Perm./10	1647.04	44.71

Cross Section (7)	Area/below 0	12446.45	467.23
	Area/below 10	25821.57	1748.69
	Depth	-30.27	3.67
	Slope	-0.052	0.03
	Width	1537.27	42.54
	Width/below 0	989.85	224.60
	Width/below10	1526.82	56.23
	Wetted Perm./0	998.33	224.21
	Wetted Perm./10	1546.24	61.75
Cross Section (8)	Area/below 0	14042.21	2651.41
	Area/below 10	20346.47	4826.68
	Depth	-38.23	1.73
	Slope	-0.076	0.01
	Width	1399.73	22.83
	Width/below 0	741.37	76.79
	Width/below10	1387.07	43.36
	Wetted Perm./0	751.18	77.60
	Wetted Perm./10	1404.60	50.41
Cross Section (9)	Area/below 0	15334.84	3797.52
	Area/below 10	25925.40	3827.90
	Depth	-37.88	9.05
	Slope	-0.074	0.02
	Width	1368.76	58.16
	Width/below 0	779.17	53.66
	Width/below10	1345.27	87.32
	Wetted Perm./0	787.06	48.11
	Wetted Perm./10	1361.58	89.74

Cross Section (10)	Area/below 0	15995.93	1006.31
	Area/below 10	27029.28	1943.07
	Depth	-32.13	6.74
	Slope	-0.057	0.02
	Width	1349.71	34.84
	Width/below 0	890.63	71.59
	Width/below10	1296.97	106.00
	Wetted Perm./0	896.10	69.61
	Wetted Perm./10	1311.32	110.10

Only 2007 and 2005 (After Weirs were built) Before and after

		Average	Standard Deviation	Differences	Percent Difference
Cross Section (1)	Area/below 0	14835.34	9062.98	1160.32	8.1
	Area/below 10	33144.98	4750.19	1255.09	3.9
	Depth	-21.94	1.97	3.02	-12.9
	Slope	-0.014	0.00	0.002	-12.5
	Width	1887.12	32.24	41.81	2.2
	Width/below 0	1682.37	235.20	4.45	0.3
	Width/below10	1887.12	32.24	41.81	2.2
	Wetted Perm./0	1689.87	238.80	0.52	0.0
	Wetted Perm./10	1904.41	37.86	32.32	1.7
Cross Section (2)	Area/below 0	16237.01	9639.22	3227.97	22.1
	Area/below 10	35261.55	3699.60	3754.90	11.2
	Depth	-22.98	0.58	0.79	-3.4
	Slope	-0.015	0.00	0.012	-59.7
	Width	1947.73	13.27	66.84	3.5
	Width/below 0	1731.39	269.39	12.04	0.7
	Width/below10	1947.73	13.27	74.67	3.9
	Wetted Perm./0	1740.79	271.64	11.29	0.7
	Wetted Perm./10	1967.81	16.77	65.91	3.4
Cross Section (3)	Area/below 0	23196.75	2934.11	9345.82	50.5
	Area/below 10	54189.46	4756.43	23312.96	54.8
	Depth	-37.70	2.29	-12.15	-38.4
	Slope	-0.023	0.00	0.002	-9.6
	Width	3040.41	54.15	1044.54	41.5
	Width/below 0	2683.70	163.18	877.42	39.1
	Width/below10	3040.41	54.15	1044.54	41.5
	Wetted Perm./0	2705.54	169.09	889.07	39.3
	Wetted Perm./10	3072.42	54.60	1050.29	41.2

Cross Section (4)	Area/below 0	19829.08	11955.80
	Area/below 10	40367.26	23576.47
	Depth	-27.40	15.82
	Slope	-0.018	0.01
	Width	2068.98	1194.54
	Width/below 0	1982.17	1146.76
	Width/below10	2068.48	1194.25
	Wetted Perm./0	1995.94	1155.02
	Wetted Perm./10	2095.23	1209.73
Cross Section (5)	Area/below 0	19069.92	11177.52
	Area/below 10	38367.10	22242.97
	Depth	-31.92	18.63
	Slope	-0.019	0.01
	Width	1942.16	1121.47
	Width/below 0	1919.01	1107.95
	Width/below10	1942.16	1121.47
	Wetted Perm./0	1929.22	1113.85
	Wetted Perm./10	1966.59	1135.55
Cross Section (6)	Area/below 0	17063.69	9907.57
	Area/below 10	33099.34	19136.90
	Depth	-32.95	19.06
	Slope	-0.029	0.02
	Width	1629.68	940.93
	Width/below 0	1432.84	841.73
	Width/below10	1629.68	940.93
	Wetted Perm./0	1440.56	846.67
	Wetted Perm./10	1649.82	952.53

5737.40	33.8
6886.51	18.7
3.23	-11.1
0.012	-50.3
43.73	2.1
237.78	12.8
48.40	2.4
238.60	12.7
47.83	2.3
3139.87	17.9
3532.89	9.7
7.71	-21.6
0.025	-78.2
-11.92	0.6
199.55	11.0
-3.95	0.2
200.06	10.9
-3.77	0.2
5396.31	37.6
8957.70	31.3
-4.90	-16.1
0.005	-17.5
-4.95	0.3
214.68	16.2
1.02	0.1
217.17	16.3
2.78	0.2

Cross Section (7)	Area/below 0	18780.06	10852.27
	Area/below 10	33309.37	19244.52
	Depth	-35.83	20.69
	Slope	-0.035	0.02
	Width	1536.34	887.03
	Width/below 0	1219.20	717.20
	Width/below10	1529.27	882.92
	Wetted Perm./0	1234.87	726.99
	Wetted Perm./10	1553.67	897.03
Cross Section (8)	Area/below 0	27183.16	16679.38
	Area/below 10	40655.07	24197.73
	Depth	-39.56	23.05
	Slope	-0.040	0.02
	Width	1379.15	796.30
	Width/below 0	1296.08	751.99
	Width/below10	1379.15	796.30
	Wetted Perm./0	1315.25	763.45
	Wetted Perm./10	1412.56	815.54
Cross Section (9)	Area/below 0	20320.24	12093.56
	Area/below 10	32298.37	19037.79
	Depth	-30.03	17.35
	Slope	-0.037	0.02
	Width	1394.67	806.01
	Width/below 0	1063.07	626.79
	Width/below10	1381.93	799.34
	Wetted Perm./0	1072.21	632.20
	Wetted Perm./10	1396.15	807.68

6333.61	40.6
7487.80	25.3
-5.55	-16.8
0.018	-40.6
-0.93	0.1
229.35	20.8
2.45	0.2
236.53	21.2
7.42	0.5
13140.95	63.8
20308.60	66.6
-1.32	-3.4
0.036	-61.3
-20.58	1.5
554.72	54.5
-7.92	0.6
564.06	54.6
7.95	0.6
4985.40	28.0
6372.97	21.9
7.85	-23.1
0.037	-66.2
25.90	1.9
283.90	30.8
36.65	2.7
285.15	30.7
34.58	2.5

Cross Section (10)	Area/below 0	22685.44	13157.32
	Area/below 10	34790.15	20212.65
	Depth	-30.71	17.95
	Slope	-0.055	0.04
	Width	1382.35	798.43
	Width/below 0	1102.07	653.03
	Width/below10	1357.14	785.02
	Wetted Perm./0	1109.31	657.49
	Wetted Perm./10	1368.49	791.82

6689.50	34.6
7760.87	25.1
1.41	-4.5
0.002	-3.1
32.65	2.4
211.44	21.2
60.17	4.5
213.21	21.3
57.17	4.3

		2007		2005		1986		1982		1976	
		Slope	R2 Value	Slope	R2 Value	Slope	R2 Value	Slope	R2 Value	Slope	R2 Value
Cross Section (1)	-30 - -20	-0.036	0.9239	-0.1117	0.7585	-0.0562	0.9999	-0.0426	0.9952	-0.0049	0.2223
	-20 - -10	-0.0155	0.7667	-0.012	0.5668	-0.041	0.9528	-0.0661	0.9956	-0.0117	0.9358
	-10 - 0	-0.0069	0.8534	-0.009	0.8969	-0.0061	0.8604	-0.0035	0.2861	-0.0069	0.7851
	0 - 10			-0.0084	0.4503	-0.0364	0.2727	-0.0179	0.5366		
Cross Section (2)	-30 - -20	-0.0321	0.8882	-0.0366	0.9931	-0.0562	0.9997	-0.1106	0.987	-0.0151	1
	-20 - -10	-0.0157	0.7971	-0.0199	0.9744	-0.0471	0.9603	-0.0716	0.9759	-0.013	0.9649
	-10 - 0	-0.0058	0.8764	-0.0107	0.939	-0.0058	0.8107	-0.0047	0.5187	-0.0063	0.6222
	0 - 10			-0.0071	0.4766	-0.0474	0.3135	-0.0026	0.2524		
Cross Section (3)	-30 - -20	-0.031	0.7286	-0.0161	0.7794	-0.0543	0.9997	-0.0638	0.8914	-0.0351	0.996
	-20 - -10	-0.0226	0.8889	-0.0228	0.9912	-0.0525	0.9908	-0.0526	0.9886	-0.0197	0.9425
	-10 - 0	-0.0052	0.8326	-0.0088	0.9456	-0.0053	0.7544	-0.0071	0.659	-0.0038	0.3015
	0 - 10			-0.0052	0.3276	-0.0313	0.2049	-0.0028	0.2826	-0.0167	0.9261
Cross Section (4)	-40 - -30					-0.2913	0.6998			-0.0723	1
	-30 - -20	-0.0008	0.046	-0.0401	0.9965			-0.0376	0.9605		
	-20 - -10	-0.0011	0.0411	-0.0231	0.9717	-0.0192	0.1823	-0.0792	0.9882	-0.0597	0.9834
	-10 - 0	-0.0025	0.2519	-0.0064	0.714	-0.0059	0.6934	-0.0081	0.5884	-0.0049	0.6591
	0 - 10			-0.0012	0.1219	-0.0334	0.3722	-0.006	0.6327	-0.0048	0.3463
Cross Section (5)	-50 - -40							-0.074	1	-0.2465	0.6144
	-40 - -30	-0.0731	0.9852			-0.1483	1	-0.0688	0.9925	-0.0703	0.6883
	-30 - -20	-0.0358	0.8779	-0.0295	0.9838	-0.1336	0.9991	-0.0515	0.9983	-0.0875	0.9979
	-20 - -10	-0.0301	0.9649	-0.0327	0.9915	-0.0472	0.9986	-0.0467	0.9894	-0.0373	0.9847
	-10 - 0	-0.0038	0.5089	-0.0051	0.597	-0.0054	0.569	-0.0103	0.4201	-0.0024	0.1769
	0 - 10			-0.0401	0.9246	-0.008	0.3541	-0.0044	0.4744	-0.0051	0.3936
Cross Section (6)	-40 - -30	-0.0623	0.9392	-0.0686	0.9809			-0.0428	0.9172		
	-30 - -20	-0.0402	0.8616	-0.0801	0.9933	-0.0684	0.9675	-0.0547	0.9961	-0.0652	0.9912
	-20 - -10	-0.0267	0.9318	-0.0403	0.9716	-0.0775	0.9922	-0.0503	0.961	-0.0758	0.9875
	-10 - 0	-0.0098	0.946	-0.0149	0.9409	-0.0219	0.8833	-0.022	0.8797	-0.0038	0.3691
	0 - 10			-0.0084	0.5595	-0.0069	0.4324	-0.0138	0.8332		

Cross Section (7)	-40 - -30	-0.0764	0.8428	-0.0393	0.9365	-0.1531	1				
	-30 - -20	-0.0329	0.7673	-0.0371	0.9754	-0.1009	0.9697	-0.2327	1	-0.0282	0.4523
	-20 - -10	-0.0358	0.9565	-0.0608	0.9844	-0.0945	1	-0.0541	0.9038	-0.0528	0.5185
	-10 - 0	-0.0125	0.8721	-0.0275	0.9641	-0.0457	0.8719	-0.024	0.8447	-0.0107	0.6419
	0 - 10	-0.0458	0.5855	-0.0104	0.8705	-0.0072	0.6488	-0.0175	0.9516	-0.0163	0.3055
Cross Section (8)	-50 - -40			-0.0099	0.7394	-0.1525	1				
	-40 - -30	-0.061	0.9431	-0.0492	0.9907	-0.0609	0.9919	-0.124	1	-0.0582	1
	-30 - -20	-0.0676	0.9802	-0.0496	0.9969	-0.0937	0.9916	-0.0551	0.9872	-0.2097	1
	-20 - -10	-0.049	0.9285	-0.0416	0.9917	-0.099	0.9666	-0.0662	0.9378	-0.092	0.9791
	-10 - 0	-0.0186	0.9114	-0.0146	0.821	-0.0738	0.917	-0.042	0.8745	-0.0598	0.7877
	0 - 10	-0.0482	0.5867			-0.0081	0.5521	-0.0221	0.9823	-0.0099	0.8098
Cross Section (9)	-50 - -40					-0.0409	0.7913				
	-40 - -30	-0.0112	0.7074			-0.1009	0.9873	-0.0439	0.992	-0.0521	1
	-30 - -20	-0.0122	0.541	-0.0172	0.6523	-0.1365	0.9949	-0.0531	0.9752	-0.056	0.9708
	-20 - -10	-0.0369	0.9878	-0.0723	0.9965	-0.1428	0.9993	-0.0867	0.9802	-0.047	0.8582
	-10 - 0	-0.0484	0.997	-0.0592	0.9906	-0.1254	0.9977	-0.0374	0.9447	-0.8541	1
	0 - 10	-0.0661	0.8693	-0.0235	0.9064	-0.0083	0.4913	-0.024	0.9695	-0.011	0.8728
Cross Section (10)	-40 - -30			-0.0514	0.956	-0.1088	1				
	-30 - -20	-0.0073	0.7905	-0.0678	0.9916	-0.1389	1	-0.0409	0.9836	-0.0311	0.9482
	-20 - -10	-0.0115	0.4704	-0.1064	0.9728	-0.0747	0.8941	-0.0446	0.9757	-0.0321	0.8752
	-10 - 0	-0.0741	0.9376	-0.1501	0.9778	-0.0603	0.9654	-0.0641	0.9994	-0.0504	0.9593
	0 - 10	-0.1127	0.8953	-0.0312	0.9809	-0.0104	0.48	-0.0344	0.9597	-0.0211	0.7485

		2007	2005	1986	1982	1976
		Slope	Slope	Slope	Slope	Slope
Cross Section (1)	-30 - -20	-0.036		-0.0562	-0.0426	
	-20 - -10			-0.041	-0.0661	-0.0117
	-10 - 0	-0.0069	-0.009	-0.0061		
	0 - 10					
Cross Section (2)	-30 - -20	-0.0321	-0.0366	-0.0562	-0.1106	-0.0151
	-20 - -10		-0.0199	-0.0471	-0.0716	-0.013
	-10 - 0	-0.0058	-0.0107	-0.0058		
	0 - 10					
Cross Section (3)	-30 - -20			-0.0543	-0.0638	-0.0351
	-20 - -10	-0.0226	-0.0228	-0.0525	-0.0526	-0.0197
	-10 - 0	-0.0052	-0.0088			
	0 - 10					-0.0167
Cross Section (4)	-40 - -30					-0.0723
	-30 - -20		-0.0401		-0.0376	
	-20 - -10		-0.0231		-0.0792	-0.0597
	-10 - 0					
	0 - 10					
Cross Section (5)	-50 - -40				-0.074	
	-40 - -30	-0.0731		-0.1483	-0.0688	
	-30 - -20	-0.0358	-0.0295	-0.1336	-0.0515	-0.0875
	-20 - -10	-0.0301	-0.0327	-0.0472	-0.0467	-0.0373
	-10 - 0					
	0 - 10		-0.0401			
Cross Section (6)	-40 - -30	-0.0623	-0.0686		-0.0428	
	-30 - -20	-0.0402	-0.0801	-0.0684	-0.0547	-0.0652
	-20 - -10	-0.0267	-0.0403	-0.0775	-0.0503	-0.0758
	-10 - 0	-0.0098	-0.0149	-0.0219	-0.022	
	0 - 10				-0.0138	

Cross Section (7)	-40 - -30	-0.0764	-0.0393	-0.1531		
	-30 - -20		-0.0371	-0.1009	-0.2327	
	-20 - -10	-0.0358	-0.0608	-0.0945	-0.0541	
	-10 - 0	-0.0125	-0.0275	-0.0457	-0.024	
	0 - 10		-0.0104		-0.0175	
Cross Section (8)	-50 - -40			-0.1525		
	-40 - -30	-0.061	-0.0492	-0.0609	-0.124	-0.0582
	-30 - -20	-0.0676	-0.0496	-0.0937	-0.0551	-0.2097
	-20 - -10	-0.049	-0.0416	-0.099	-0.0662	-0.092
	-10 - 0	-0.0186	-0.0146	-0.0738	-0.042	
	0 - 10				-0.0221	-0.0099
Cross Section (9)	-50 - -40					
	-40 - -30			-0.1009	-0.0439	-0.0521
	-30 - -20			-0.1365	-0.0531	-0.056
	-20 - -10	-0.0369	-0.0723	-0.1428	-0.0867	-0.047
	-10 - 0	-0.0484	-0.0592	-0.1254	-0.0374	-0.8541
	0 - 10	-0.0661	-0.0235		-0.024	-0.011
Cross Section (10)	-40 - -30		-0.0514	-0.1088		
	-30 - -20		-0.0678	-0.1389	-0.0409	-0.0311
	-20 - -10		-0.1064	-0.0747	-0.0446	-0.0321
	-10 - 0	-0.0741	-0.1501	-0.0603	-0.0641	-0.0504
	0 - 10	-0.1127	-0.0312		-0.0344	

		Average	Std. Deviation	Average	Std. Deviation	Diff. in Slope	% Difference	Change / Normal Dev.
Cross Section (1)	-30 - -20	-0.0360	#DIV/0!	-0.0494	0.0096	1.34	31.38	1.39
	-20 - -10	#DIV/0!	#DIV/0!	-0.0396	0.0272	#DIV/0!	#DIV/0!	#DIV/0!
	-10 - 0	-0.0080	0.0015	-0.0061	#DIV/0!	-0.19	-26.33	#DIV/0!
	0 - 10	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Cross Section (2)	-30 - -20	-0.0344	0.0032	-0.0606	0.0479	2.63	55.34	0.55
	-20 - -10	-0.0199	#DIV/0!	-0.0439	0.0294	2.40	75.24	0.82
	-10 - 0	-0.0083	0.0035	-0.0058	#DIV/0!	-0.25	-34.88	#DIV/0!
	0 - 10	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Cross Section (3)	-30 - -20	#DIV/0!	#DIV/0!	-0.0511	0.0146	#DIV/0!	#DIV/0!	#DIV/0!
	-20 - -10	-0.0227	0.0001	-0.0416	0.0190	1.89	58.79	1.00
	-10 - 0	-0.0070	0.0025	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	0 - 10	#DIV/0!	#DIV/0!	-0.0167	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Cross Section (4)	-40 - -30	#DIV/0!	#DIV/0!	-0.0723	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-30 - -20	-0.0401	#DIV/0!	-0.0376	#DIV/0!	-0.25	-6.44	#DIV/0!
	-20 - -10	-0.0231	#DIV/0!	-0.0695	0.0138	4.64	100.16	3.36
	-10 - 0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	0 - 10	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Cross Section (5)	-50 - -40	#DIV/0!	#DIV/0!	-0.0740	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-40 - -30	-0.0731	#DIV/0!	-0.1086	0.0562	3.55	39.03	0.63
	-30 - -20	-0.0327	0.0045	-0.0909	0.0412	5.82	94.27	1.41
	-20 - -10	-0.0314	0.0018	-0.0437	0.0056	1.23	32.83	2.21
	-10 - 0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	0 - 10	-0.0401	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Cross Section (6)	-40 - -30	-0.0655	0.0045	-0.0428	#DIV/0!	-2.27	-41.85	#DIV/0!
	-30 - -20	-0.0602	0.0282	-0.0628	0.0072	0.26	4.26	0.37
	-20 - -10	-0.0335	0.0096	-0.0679	0.0152	3.44	67.81	2.26
	-10 - 0	-0.0124	0.0036	-0.0220	0.0001	0.96	55.98	135.76
	0 - 10	#DIV/0!	#DIV/0!	-0.0138	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Cross Section (7)	-40 - -30	-0.0579	0.0262	-0.1531	#DIV/0!	9.53	90.31	#DIV/0!
	-30 - -20	-0.0371	#DIV/0!	-0.1668	0.0932	12.97	127.22	1.39
	-20 - -10	-0.0483	0.0177	-0.0743	0.0286	2.60	42.41	0.91
	-10 - 0	-0.0200	0.0106	-0.0349	0.0153	1.49	54.15	0.97
	0 - 10	-0.0104	#DIV/0!	-0.0175	#DIV/0!	0.71	50.90	#DIV/0!
Cross Section (8)	-50 - -40	#DIV/0!	#DIV/0!	-0.1525	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-40 - -30	-0.0551	0.0083	-0.0810	0.0372	2.59	38.10	0.70
	-30 - -20	-0.0586	0.0127	-0.1195	0.0805	6.09	68.39	0.76
	-20 - -10	-0.0453	0.0052	-0.0857	0.0173	4.04	61.71	2.34
	-10 - 0	-0.0166	0.0028	-0.0579	0.0225	4.13	110.87	1.84
	0 - 10	#DIV/0!	#DIV/0!	-0.0160	0.0086	#DIV/0!	#DIV/0!	#DIV/0!
Cross Section (9)	-50 - -40	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-40 - -30	#DIV/0!	#DIV/0!	-0.0656	0.0308	#DIV/0!	#DIV/0!	#DIV/0!
	-30 - -20	#DIV/0!	#DIV/0!	-0.0819	0.0473	#DIV/0!	#DIV/0!	#DIV/0!
	-20 - -10	-0.0546	0.0250	-0.0922	0.0481	3.76	51.19	0.78
	-10 - 0	-0.0538	0.0076	-0.3390	0.4483	28.52	145.21	0.64
	0 - 10	-0.0448	0.0301	-0.0175	0.0092	-2.73	-87.64	-2.97
Cross Section (10)	-40 - -30	-0.0514	#DIV/0!	-0.1088	#DIV/0!	5.74	71.66	#DIV/0!
	-30 - -20	-0.0678	#DIV/0!	-0.0703	0.0596	0.25	3.62	0.04
	-20 - -10	-0.1064	#DIV/0!	-0.0505	0.0219	-5.59	-71.31	-2.55
	-10 - 0	-0.1121	0.0537	-0.0583	0.0071	-5.38	-63.20	-7.61
	0 - 10	-0.0720	0.0576	-0.0344	#DIV/0!	-3.76	-70.62	#DIV/0!

Hanging Dog

Taking all data in account (30 years)

		2007	2005	1986	1982	1976	Average	Standard Deviation
Cross Section (1)	Area/below 0	26745.01	23002.13	20041.10	20062.13	22192.46	18673.80	2752.92
	Area/below 10	48220.03	42721.16	40241.41	38696.45	43398.93	35546.33	3640.84
	Depth	-28.83	-27.26	-23.74	-31.38	-28.72	-23.32	2.80
	Slope	0.025	0.023	0.025	0.028	0.031	0.022	0.00
	Width	2411.20	2159.30	2187.54	2377.25	2523.06	1943.06	154.53
	Width/below 0	1816.76	1640.52	1538.72	1602.08	1511.58	1351.61	120.21
	Width/below10	2411.20	2159.30	2187.54	2188.87	2443.53	1898.41	137.26
	Wetted Perm./0	1826.50	1643.94	1540.03	1604.21	1513.19	1354.64	123.60
	Wetted Perm./10	2428.90	2171.27	2201.27	2191.67	2445.62	1906.46	137.04
	Cross Section (2)	Area/below 0	27659.03	28867.60	30092.76	31119.79	29271.41	24501.76
Area/below 10		45662.24	50043.05	49616.05	50812.67	48694.28	40804.72	1998.84
Depth		-23.67	-30.70	-33.38	-33.91	-29.61	-25.21	4.10
Slope		0.019	0.022	0.020	0.017	0.023	0.017	0.00
Width		2013.67	2139.41	2162.27	2101.89	1942.29	1726.59	91.94
Width/below 0		1892.45	2075.75	1910.75	1805.10	1942.29	1604.39	98.32
Width/below10		1969.96	2139.41	1993.90	2101.89	1942.29	1691.24	86.22
Wetted Perm./0		1904.99	2098.64	1921.19	1819.02	1956.68	1616.75	102.05
Wetted Perm./10		1990.52	2183.08	2006.78	2129.11	1976.68	1714.36	92.86
Cross Section (3)		Area/below 0	26209.11	20649.75	23685.50	22905.82	16650.18	18350.06
	Area/below 10	50714.30	40332.49	47816.86	46186.24	41185.54	37705.91	4416.60
	Depth	-27.25	-23.97	-20.95	-22.27	-20.95	-19.23	2.64
	Slope	0.019	0.019	0.015	0.012	0.032	0.016	0.01
	Width	2525.89	2201.62	2445.03	2658.80	2754.03	2097.56	212.73
	Width/below 0	2065.66	1619.57	2279.27	2194.22	1563.74	1620.41	331.54
	Width/below10	2525.89	2200.53	2445.03	2450.65	2712.21	2055.72	183.95
	Wetted Perm./0	2348.87	1621.76	2283.82	2197.34	1565.02	1669.47	378.63
	Wetted Perm./10	2544.59	2210.87	2464.24	2454.59	2722.14	2066.07	184.48

Cross Section (4)	Area/below 0	24443.47	21149.41	23073.91	21474.01	23338.57	18913.23	1368.81
	Area/below 10	46307.93	41089.07	46940.26	43937.57	47015.20	37548.34	2546.75
	Depth	-25.46	-24.41	-34.10	-25.60	-32.60	-23.69	4.54
	Slope	0.021	0.024	0.026	0.021	0.038	0.022	0.01
	Width	2478.35	2261.96	2405.93	2670.10	2557.26	2062.27	154.11
	Width/below 0	1725.76	1834.14	1829.71	2100.64	1569.41	1509.94	193.91
	Width/below10	2478.35	2201.36	2405.93	2486.27	2651.52	2037.24	163.06
	Wetted Perm./0	1729.38	1836.27	1835.40	2103.07	1572.49	1512.77	193.65
	Wetted Perm./10	2491.96	2211.36	2428.15	2489.42	2660.24	2046.85	161.82
	Area/below 0	23353.77	21224.77	23644.50	17394.58	23695.92	18218.92	2698.60
Cross Section (5)	Area/below 10	43874.89	39956.87	45501.15	45713.86	46217.87	36877.44	2556.97
	Depth	-25.06	-25.45	-30.44	-30.10	-29.09	-23.36	2.58
	Slope	0.018	0.018	0.029	0.024	0.028	0.020	0.01
	Width	2391.14	2249.70	2335.54	2646.94	2545.55	2028.14	160.69
	Width/below 0	1633.73	1604.85	1667.54	1588.83	1684.53	1363.25	40.47
	Width/below10	2391.14	2132.14	2335.54	2520.02	2524.65	1983.92	161.29
	Wetted Perm./0	1639.63	1611.75	1670.56	1591.72	1686.74	1366.73	39.52
	Wetted Perm./10	2406.05	2140.22	2353.91	2524.62	2534.17	1993.16	160.34
	Area/below 0	10212.85	12945.87	19267.36	20603.19	18281.91	13551.87	4459.46
	Area/below 10	45807.93	41002.75	40946.59	45860.83	39805.46	35570.59	2914.72
Cross Section (6)	Depth	-21.47	-18.50	-26.01	-32.45	-17.37	-19.30	6.18
	Slope	0.019	0.018	0.023	0.027	0.017	0.017	0.00
	Width	2423.10	2250.09	2245.76	2573.73	2505.98	1999.78	148.50
	Width/below 0	1954.81	1868.63	1878.13	1830.59	1683.16	1535.89	100.12
	Width/below10	2423.10	2240.35	2245.76	2261.04	2344.99	1919.20	79.29
	Wetted Perm./0	1957.82	1873.98	1879.61	1833.28	1684.20	1538.15	100.94
	Wetted Perm./10	2435.01	2254.16	2261.63	2264.34	2347.58	1927.12	78.34

Years 1986-1976 (Before Weirs were built)

		Average	Standard Deviation
Cross Section (1)	Area/below 0	20765.23	1236.06
	Area/below 10	40778.93	2396.88
	Depth	-27.95	3.88
	Slope	0.028	0.00
	Width	2362.62	168.24
	Width/below 0	1550.79	46.44
	Width/below10	2273.31	147.42
	Wetted Perm./0	1552.48	46.77
	Wetted Perm./10	2279.52	143.93
Cross Section (2)	Area/below 0	30161.32	926.09
	Area/below 10	49707.67	1062.16
	Depth	-32.30	2.35
	Slope	0.020	0.00
	Width	2068.82	113.66
	Width/below 0	1886.05	71.85
	Width/below10	2012.69	81.44
	Wetted Perm./0	1898.96	71.47
	Wetted Perm./10	2037.53	80.73
Cross Section (3)	Area/below 0	21080.50	3856.52
	Area/below 10	45062.88	3455.44
	Depth	-21.39	0.76
	Slope	0.020	0.01
	Width	2619.29	158.24
	Width/below 0	2012.41	390.88
	Width/below10	2535.96	152.66
	Wetted Perm./0	2015.39	392.43
	Wetted Perm./10	2546.99	151.76

Cross Section (4)	Area/below 0	22628.83	1008.82
	Area/below 10	45964.34	1755.64
	Depth	-30.76	4.54
	Slope	0.028	0.01
	Width	2544.43	132.55
	Width/below 0	1833.26	265.63
	Width/below10	2514.57	125.21
	Wetted Perm./0	1836.99	265.30
	Wetted Perm./10	2525.93	120.28
Cross Section (5)	Area/below 0	21578.33	3623.33
	Area/below 10	45810.96	368.09
	Depth	-29.88	0.70
	Slope	0.027	0.00
	Width	2509.34	158.82
	Width/below 0	1646.97	51.06
	Width/below10	2460.07	107.87
	Wetted Perm./0	1649.67	50.83
	Wetted Perm./10	2470.90	101.43
Cross Section (6)	Area/below 0	19384.16	1165.04
	Area/below 10	42204.29	3217.65
	Depth	-25.28	7.57
	Slope	0.022	0.01
	Width	2441.83	173.14
	Width/below 0	1797.29	101.66
	Width/below10	2283.93	53.43
	Wetted Perm./0	1799.03	102.11
	Wetted Perm./10	2291.18	48.86

Only 2007 and 2005 (After Weirs were built) Before and after

		Average	Standard Deviation
Cross Section (1)	Area/below 0	24873.57	14482.19
	Area/below 10	45470.59	26396.04
	Depth	-28.04	16.21
	Slope	0.024	0.01
	Width	2285.25	1325.39
	Width/below 0	1728.64	1001.91
	Width/below10	2285.25	1325.39
	Wetted Perm./0	1735.22	1005.98
	Wetted Perm./10	2300.09	1334.19
Cross Section (2)	Area/below 0	28263.31	16329.02
	Area/below 10	47852.65	27714.43
	Depth	-27.18	16.08
	Slope	0.021	0.01
	Width	2076.54	1200.54
	Width/below 0	1984.10	1149.18
	Width/below10	2054.68	1189.29
	Wetted Perm./0	2001.81	1159.80
	Wetted Perm./10	2086.80	1208.65
Cross Section (3)	Area/below 0	23429.43	13809.64
	Area/below 10	45523.39	26790.64
	Depth	-25.61	14.88
	Slope	0.019	0.01
	Width	2363.76	1374.31
	Width/below 0	1842.61	1086.96
	Width/below10	2363.21	1374.06
	Wetted Perm./0	1985.31	1202.50
	Wetted Perm./10	2377.73	1382.89

Differences	Percent Difference
4108.34	18.0
4691.67	10.9
-0.10	-0.3
-0.004	15.8
-77.37	3.3
177.85	10.8
11.94	0.5
182.74	11.1
20.57	0.9
-1898.01	6.5
-1855.02	3.8
5.12	-17.2
0.001	3.3
7.72	0.4
98.06	5.1
41.99	2.1
102.85	5.3
49.27	2.4
2348.93	10.6
460.51	1.0
-4.22	-17.9
-0.001	3.9
-255.53	10.3
-169.80	8.8
-172.76	7.1
-30.08	1.5
-169.26	6.9

Cross Section (4)	Area/below 0	22796.44	13264.18
	Area/below 10	43698.50	25363.93
	Depth	-24.94	14.41
	Slope	0.022	0.01
	Width	2370.15	1372.68
	Width/below 0	1779.95	1029.08
	Width/below10	2339.85	1357.99
	Wetted Perm./0	1782.82	1030.70
	Wetted Perm./10	2351.66	1364.96
Cross Section (5)	Area/below 0	22289.27	12912.67
	Area/below 10	41915.88	24279.30
	Depth	-25.26	14.58
	Slope	0.018	0.01
	Width	2320.42	1341.56
	Width/below 0	1619.29	935.01
	Width/below10	2261.64	1312.16
	Wetted Perm./0	1625.69	938.70
	Wetted Perm./10	2273.14	1319.11
Cross Section (6)	Area/below 0	11579.36	6823.58
	Area/below 10	43405.34	25174.99
	Depth	-19.99	11.64
	Slope	0.019	0.01
	Width	2336.59	1351.80
	Width/below 0	1911.72	1104.57
	Width/below10	2331.72	1349.32
	Wetted Perm./0	1915.90	1106.94
	Wetted Perm./10	2344.58	1356.66

167.61	0.7
-2265.84	5.1
5.83	-20.9
-0.006	23.5
-174.28	7.1
-53.31	3.0
-174.72	7.2
-54.16	3.0
-174.27	7.1
710.94	3.2
-3895.08	8.9
4.62	-16.8
-0.009	38.8
-188.93	7.8
-27.68	1.7
-198.43	8.4
-23.98	1.5
-197.76	8.3
-7804.79	50.4
1201.04	2.8
5.29	-23.4
-0.004	17.6
-105.24	4.4
114.43	6.2
47.79	2.1
116.87	6.3
53.40	2.3

		2007		2005		1986		1982		1976	
		Slope	R2 Value	Slope	R2 Value	Slope	R2 Value	Slope	R2 Value	Slope	R2 Value
Cross Section (1)	-40 - -30							0.0459	0.9499		
	-30 - -20	0.0361	0.8756	0.0167	0.7838	0.0364	1	0.061	0.9897	0.0306	0.9866
	-20 - -10	0.0197	0.9109	0.0323	0.9532	0.0236	0.8811	0.0439	0.9787	0.0406	0.8752
	-10 - 0	0.0198	0.9333	0.0187	0.9218	0.0161	0.8457	0.0133	0.9721	0.021	0.895
	0 - 10	0.0201	0.6889	0.0226	0.9151	0.0062	0.5554	0.0135	0.9324	0.006	0.8791
Cross Section (2)	-30 - -20	0.0109	0.6368	0.0335	0.9875	0.0053	0.4827	0.0329	0.7854	0.0074	0.4852
	-20 - -10	0.0135	0.7709	0.0221	0.9019	0.0225	0.9117	0.029	0.9617	0.0336	0.9952
	-10 - 0	0.0203	0.8477	0.0159	0.8684	0.0211	0.9834	0.0044	0.4416	0.0278	0.9009
	0 - 10	0.0169	0.4737	0.02	0.6258			0.04	0.8157	0.0065	0.5203
Cross Section (3)	-30 - -20	0.021	0.9137	0.0168	0.7549	0.0475	1	0.012	1	0.0372	1
	-20 - -10	0.0242	0.936	0.0124	0.9401	0.0123	0.8561	0.0221	0.8939	0.0323	0.9915
	-10 - 0	0.0088	0.4843	0.0216	0.9847	0.0123	0.8561	-0.002	0.0123	0.029	0.9828
	0 - 10	0.0006	0.0006	0.0073	0.2891					0.0016	0.0847
	-40 - -30					0.0258	0.7629			0.1345	1
Cross Section (4)	-30 - -20	0.036	0.8772	0.0195	0.6714	0.0958	0.9948	0.0225	0.9622	0.0189	0.4575
	-20 - -10	0.013	0.8293	0.0226	0.9272	0.0197	0.8584	0.0237	0.9402	0.0324	0.9854
	-10 - 0	0.0252	0.9605	0.0207	0.9855	0.0163	0.9586	0.0196	0.9876	0.0418	0.9782
	0 - 10	0.0191	0.8461	0.0107	0.5844	0.0052	0.1379	0.0117	0.2094	0.0047	0.4289
Cross Section (5)	-40 - -30					0.0672	1	0.0587	1		
	-30 - -20	0.0139	0.8286	0.0072	0.4272	0.0157	0.4259	0.0171	0.8446	0.0151	0.5237
	-20 - -10	0.0137	0.8689	0.0098	0.6079	0.0196	0.8901	0.0226	0.9828	0.0312	0.9813
	-10 - 0	0.0169	0.9092	0.0186	0.9328	0.0298	0.9916	0.03	0.9938	0.028	0.9635
	0 - 10	0.0219	0.9162	0.0198	0.8861	0.0054	0.6183	0.0124	0.9037	0.0057	0.7065
Cross Section (6)	-40 - -30							0.1212	0.999		
	-30 - -20	0.0227	0.917			0.0603	1	0.0669	0.8984		
	-20 - -10	0.0154	0.9074	0.0101	0.7916	0.0227	0.9706	0.0244	0.9706	0.0116	0.8079

		2007	2005	1986	1982	1976
		Slope	Slope	Slope	Slope	Slope
Cross Section (1)	-40 - -30				0.0459	
	-30 - -20	0.0361		0.0364	0.061	0.0306
	-20 - -10	0.0197	0.0323	0.0236	0.0439	0.0406
	-10 - 0	0.0198	0.0187	0.0161	0.0133	0.021
	0 - 10		0.0226		0.0135	0.006
Cross Section (2)	-30 - -20		0.0335			
	-20 - -10		0.0221	0.0225	0.029	0.0336
	-10 - 0	0.0203	0.0159	0.0211		0.0278
	0 - 10				0.04	
Cross Section (3)	-30 - -20	0.021		0.0475	0.012	0.0372
	-20 - -10	0.0242	0.0124	0.0123	0.0221	0.0323
	-10 - 0		0.0216	0.0123		0.029
	0 - 10					
Cross Section (4)	-40 - -30					0.1345
	-30 - -20	0.036		0.0958	0.0225	
	-20 - -10	0.013	0.0226	0.0197	0.0237	0.0324
	-10 - 0	0.0252	0.0207	0.0163	0.0196	0.0418
	0 - 10	0.0191				
Cross Section (5)	-40 - -30			0.0672	0.0587	
	-30 - -20	0.0139			0.0171	
	-20 - -10	0.0137		0.0196	0.0226	0.0312
	-10 - 0	0.0169	0.0186	0.0298	0.03	0.028
	0 - 10	0.0219	0.0198		0.0124	
Cross Section (6)	-20 - -10				0.1212	
	-10 - 0	0.0227		0.0603	0.0669	
	0 - 10	0.0154		0.0227	0.0244	0.0116

		Average	Std. Deviation	Average	Std. Deviation	Diff. in Slope	% Difference	Change / Normal Dev.
Cross Section (1)	-40 - -30	#DIV/0!	#DIV/0!	0.0459	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-30 - -20	0.0361	#DIV/0!	0.0427	0.0161	-0.66	-16.67	-0.41
	-20 - -10	0.0260	0.0089	0.0360	0.0109	-1.00	-32.35	-0.92
	-10 - 0	0.0193	0.0008	0.0168	0.0039	0.25	13.59	0.63
	0 - 10	0.0226	#DIV/0!	0.0098	0.0053	1.29	79.44	2.42
Cross Section (2)	-30 - -20	0.0335	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-20 - -10	0.0221	#DIV/0!	0.0284	0.0056	-0.63	-24.83	-1.12
	-10 - 0	0.0181	0.0031	0.0245	0.0047	-0.64	-29.85	-1.34
	0 - 10	#DIV/0!	#DIV/0!	0.0400	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Cross Section (3)	-30 - -20	0.0210	#DIV/0!	0.0322	0.0183	-1.12	-42.20	-0.62
	-20 - -10	0.0183	0.0083	0.0222	0.0100	-0.39	-19.41	-0.39
	-10 - 0	0.0216	#DIV/0!	0.0207	0.0118	0.09	4.50	0.08
	0 - 10	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Cross Section (4)	-40 - -30	#DIV/0!	#DIV/0!	0.1345	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-30 - -20	0.0360	#DIV/0!	0.0592	0.0518	-2.32	-48.66	-0.45
	-20 - -10	0.0178	0.0068	0.0253	0.0065	-0.75	-34.67	-1.15
	-10 - 0	0.0230	0.0032	0.0259	0.0139	-0.30	-12.08	-0.21
	0 - 10	0.0191	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Cross Section (5)	-40 - -30	#DIV/0!	#DIV/0!	0.0630	0.0060	#DIV/0!	#DIV/0!	#DIV/0!
	-30 - -20	0.0139	#DIV/0!	0.0171	#DIV/0!	-0.32	-20.65	#DIV/0!
	-20 - -10	0.0137	#DIV/0!	0.0245	0.0060	-1.08	-56.42	-1.79
	-10 - 0	0.0178	0.0012	0.0293	0.0011	-1.15	-48.99	-10.46
	0 - 10	0.0209	0.0015	0.0124	#DIV/0!	0.85	50.83	#DIV/0!
Cross Section (6)	-40 - -30	#DIV/0!	#DIV/0!	0.1212	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-30 - -20	0.0227	#DIV/0!	0.0636	0.0047	-4.09	-94.79	-8.76
	-20 - -10	0.0154	#DIV/0!	0.0196	0.0070	-0.42	-23.83	-0.60

Kaskaskia Bend

Taking all data in account (30 years)

	2007	2005	1986	1982	1976	Average	Standard Deviation	
Cross Section (1)	Area/below 0	24879.11	24605.64	17449.48	13993.42	15489.09	16069.46	5132.79
	Area/below 10	41103.87	41431.61	36519.47	30041.43	33192.48	36457.77	4953.80
	Depth	-24.91	-30.74	-18.86	-17.22	-15.94	-21.54	6.19
	Slope	0.017	0.021	0.013	0.014	0.011	0.015	0.00
	Width	1707.14	1610.46	1647.92	1697.73	1643.77	1661.40	40.31
	Width/below 0	1529.65	1610.46	1647.92	1476.86	1643.77	1581.73	75.44
	Width/below10	1707.14	1610.46	1647.92	1697.73	1643.77	1661.40	40.31
	Wetted Perm./0	1539.02	1631.40	1655.84	1487.09	1665.03	1595.68	78.59
	Wetted Perm./10	1728.92	1651.40	1675.84	1720.77	1685.03	1692.39	32.20
	Cross Section (2)	Area/below 0	24447.88	27017.73	15789.55	7643.57	15224.10	15020.47
Area/below 10		41007.46	43032.18	32404.61	25113.06	31489.63	34609.39	7359.57
Depth		-33.82	-39.16	-24.33	-15.65	-17.82	-26.15	10.14
Slope		0.022	0.032	0.018	0.012	0.011	0.019	0.01
Width		1671.30	1601.41	1675.73	1780.61	1626.55	1671.12	68.66
Width/below 0		1625.97	1569.50	1485.37	1515.23	1626.55	1564.52	63.92
Width/below10		1671.30	1601.41	1675.73	1780.61	1626.55	1671.12	68.66
Wetted Perm./0		1639.62	1601.14	1488.73	1532.54	1644.76	1581.36	68.50
Wetted Perm./10		1695.36	1652.91	1697.99	1816.25	1664.76	1705.45	64.91
Cross Section (3)		Area/below 0	26590.33	26590.33	12477.01	13389.40	15224.10	18201.29
	Area/below 10	41546.77	41546.77	28320.07	28470.00	31489.63	33633.98	6757.86
	Depth	-42.48	-42.48	-29.32	-19.49	-17.82	-29.48	11.94
	Slope	0.039	0.039	0.022	0.015	0.011	0.025	0.01
	Width	1496.66	1496.66	1624.39	1509.49	1509.49	1533.99	54.63
	Width/below 0	1430.62	1430.62	1456.34	1444.33	1444.33	1419.37	10.87
	Width/below10	1496.66	1496.66	1624.39	1509.49	1509.49	1533.99	54.63
	Wetted Perm./0	1456.43	1456.43	1460.43	1455.02	1455.02	1432.81	2.22
	Wetted Perm./10	1542.17	1542.17	1649.11	1539.72	1539.72	1567.12	48.39

Cross Section (4)	Area/below 0	25229.58	27717.60	12117.70	12276.43	15248.71	15431.67	7421.04
	Area/below 10	39423.55	40710.99	26414.87	26459.84	29211.64	27036.82	7065.16
	Depth	-53.50	-62.76	-24.62	-30.47	-26.48	-32.97	17.39
	Slope	0.053	0.063	0.028	0.032	0.021	0.033	0.02
	Width	1425.16	1367.45	1452.57	1496.70	1399.96	1190.31	49.45
	Width/below 0	1409.58	1367.45	1085.29	1096.80	1308.36	1044.58	152.65
	Width/below10	1425.16	1367.45	1452.57	1496.70	1399.96	1190.31	49.45
	Wetted Perm./0	1423.27	1399.75	1090.19	1112.75	1316.26	1057.04	157.73
	Wetted Perm./10	1454.30	1419.75	1476.64	1530.76	1427.31	1218.13	44.69
	Cross Section (5)	Area/below 0	22068.24	27052.40	8881.92	11559.50	14505.64	14011.28
Area/below 10		36327.02	40916.41	26863.06	26150.94	28577.53	26472.50	6524.32
Depth		-25.13	-37.79	-35.31	-33.46	-22.36	-25.68	6.70
Slope		0.026	0.036	0.048	0.033	0.018	0.027	0.01
Width		1439.74	1386.40	1451.53	1483.34	1414.48	1195.92	36.79
Width/below 0		1368.63	1386.40	825.61	1020.29	1269.01	978.32	243.42
Width/below10		1439.74	1386.40	1451.53	1483.34	1414.48	1195.92	36.79
Wetted Perm./0		1376.59	1415.14	852.60	1055.07	1274.41	995.63	236.94
Wetted Perm./10		1461.72	1435.14	1482.60	1536.63	1440.33	1226.07	41.09
Cross Section (6)		Area/below 0	21526.73	23525.24	13009.23	10674.18	14838.19	13928.93
	Area/below 10	36678.41	37855.94	26653.85	25322.72	29003.16	25919.01	5794.47
	Depth	-21.51	-24.90	-26.92	-27.80	-21.61	-20.46	2.92
	Slope	0.024	0.041	0.044	0.025	0.023	0.026	0.01
	Width	1519.84	1433.07	1470.03	1479.14	1449.00	1225.18	33.06
	Width/below 0	1504.35	1433.07	785.43	1121.89	1211.08	1009.30	284.79
	Width/below10	1519.84	1433.07	1470.03	1479.14	1449.00	1225.18	33.06
	Wetted Perm./0	1511.87	1454.02	794.32	1150.29	1213.54	1020.67	285.46
	Wetted Perm./10	1542.74	1474.02	1497.86	1527.15	1471.26	1252.17	31.76

Cross Section (7)	Area/below 0	22160.30	19480.61	13546.24	12004.88	15113.82	13717.64	4235.79
	Area/below 10	38463.83	35482.51	28915.70	27610.36	30289.21	26793.60	4623.35
	Depth	-20.94	-16.77	-24.23	-22.09	-20.37	-17.40	2.73
	Slope	0.043	0.016	0.042	0.018	0.023	0.024	0.01
	Width	1656.56	1601.72	1688.21	1631.96	1637.75	1369.37	31.94
	Width/below 0	1538.71	1570.61	866.00	1366.91	1261.82	1100.68	283.87
	Width/below10	1656.56	1601.72	1688.21	1631.96	1637.75	1369.37	31.94
	Wetted Perm./0	1545.30	1585.48	870.24	1386.41	1265.26	1108.78	287.39
	Wetted Perm./10	1673.89	1635.60	1711.18	1667.16	1657.19	1390.84	27.66
	Cross Section (8)	Area/below 0	22833.63	17122.97	12234.85	14028.58	13904.76	13354.13
Area/below 10		39622.72	33869.99	28259.27	29467.41	29849.93	26844.89	4647.69
Depth		-21.60	-18.65	-25.58	-20.64	-23.04	-18.25	2.60
Slope		0.025	0.017	0.055	0.021	0.031	0.025	0.01
Width		1730.64	1684.17	1777.50	1513.99	1794.25	1416.76	112.56
Width/below 0		1571.51	1578.35	883.67	1363.76	1215.81	1102.19	288.58
Width/below10		1730.64	1684.17	1777.50	1770.03	1794.25	1459.43	44.20
Wetted Perm./0		1576.00	1591.47	888.81	1382.23	1220.21	1109.79	290.82
Wetted Perm./10		1744.32	1716.56	1801.08	1800.67	1814.43	1479.51	42.57
Cross Section (9)		Area/below 0	20524.86	16914.83	13366.51	12177.08	13167.65	12691.82
	Area/below 10	37943.27	35058.08	30655.97	28176.52	29682.95	26919.46	4062.27
	Depth	-23.38	-23.20	-28.32	-28.24	-27.71	-21.81	2.64
	Slope	0.018	0.015	0.062	0.032	0.038	0.027	0.02
	Width	1844.85	1801.57	1905.20	1915.11	1921.72	1564.74	52.37
	Width/below 0	1572.08	1779.64	727.52	1102.24	1004.82	1031.05	429.64
	Width/below10	1844.85	1801.57	1905.20	1702.12	1921.72	1529.24	88.49
	Wetted Perm./0	1575.58	1831.98	1081.20	1479.18	1345.49	1218.90	277.78
	Wetted Perm./10	1857.14	1838.79	1933.05	1730.63	1939.89	1549.92	85.02

Cross Section (10)	Area/below 0	20901.72	18555.75	17301.60	17812.12	11670.65	14373.64	3409.10
	Area/below 10	37698.04	36147.23	34328.55	29920.49	27267.80	27560.35	4360.53
	Depth	-29.49	-26.61	-33.71	-29.01	-26.19	-24.17	3.00
	Slope	0.021	0.022	0.041	0.039	0.036	0.027	0.01
	Width	1798.59	1716.50	1845.76	1878.80	1868.92	1518.10	66.47
	Width/below 0	1546.86	1398.41	1097.32	1309.48	927.72	1046.63	245.30
	Width/below10	1798.59	1716.50	1845.76	1878.80	1868.92	1518.10	66.47
	Wetted Perm./0	1555.55	1416.36	1111.95	1326.42	929.99	1056.71	248.35
	Wetted Perm./10	1816.43	1756.77	1878.99	1906.76	1885.09	1540.67	61.45
	Area/below 0	20881.97	24034.17	18334.27	15631.83	14077.60	15493.31	4002.19
Cross Section (11)	Area/below 10	28445.38	32276.52	26098.47	26985.27	20234.90	22340.09	4368.24
	Depth	-25.96	-34.23	-29.29	-25.31	-24.43	-23.20	4.02
	Slope	0.021	0.032	0.036	0.029	0.039	0.026	0.01
	Width	1713.44	1618.30	1767.75	1767.75	1762.69	1438.32	64.40
	Width/below 0	1448.47	1361.49	1112.50	1308.32	947.19	1029.66	202.97
	Width/below10	1713.44	1618.30	1767.75	1535.71	1762.69	1399.65	100.35
	Wetted Perm./0	1454.93	1379.18	1126.02	1317.69	953.17	1038.50	204.13
	Wetted Perm./10	1732.27	1658.14	1799.43	1555.33	1783.09	1421.38	100.44
	Area/below 0	20648.63	25880.22	20474.85	19640.10	14660.44	16884.04	3985.08
	Area/below 10	37307.47	43084.15	38671.81	37164.49	30833.05	31176.83	4390.76
Cross Section (12)	Depth	-23.48	-29.86	-30.01	-34.01	-24.33	-23.61	4.38
	Slope	0.017	0.025	0.038	0.047	0.040	0.028	0.01
	Width	1818.25	1720.39	1923.08	1901.33	1895.77	1543.14	83.46
	Width/below 0	1539.61	1720.39	1323.20	1333.64	1049.53	1161.06	252.51
	Width/below10	1818.25	1720.39	1923.08	1901.33	1895.77	1543.14	83.46
	Wetted Perm./0	1544.46	1737.70	1334.49	1338.25	1051.43	1167.72	257.15
	Wetted Perm./10	1832.71	1757.70	1952.70	1922.19	1910.70	1562.67	79.19

Cross Section (13)	Area/below 0	22677.10	24362.56	19858.62	23497.72	17396.68	17965.45	2875.98
	Area/below 10	41281.38	42768.49	38931.95	41337.94	34716.39	33172.69	3161.01
	Depth	-21.44	-19.96	-26.58	-31.77	-23.81	-20.59	4.68
	Slope	0.015	0.019	0.029	0.026	0.025	0.019	0.01
	Width	1987.32	1840.59	1999.40	2003.93	2014.34	1640.93	72.50
	Width/below 0	1740.45	1840.59	1358.08	1571.49	1157.10	1277.95	278.85
	Width/below10	1987.32	1840.59	1999.40	2003.93	2014.34	1640.93	72.50
	Wetted Perm./0	1746.38	1859.00	1372.78	1577.59	1160.40	1286.02	281.86
	Wetted Perm./10	2002.68	1879.00	2032.72	2023.80	2031.39	1661.60	65.36

Years 1986-1976 (Before Weirs were built)

		Average	Standard Deviation
Cross Section (1)	Area/below 0	15644.00	1733.23
	Area/below 10	33251.12	3239.42
	Depth	-17.34	1.46
	Slope	0.013	0.00
	Width	1663.14	30.02
	Width/below 0	1589.52	97.59
	Width/below10	1663.14	30.02
	Wetted Perm./0	1602.65	100.19
	Wetted Perm./10	1693.88	23.74
Cross Section (2)	Area/below 0	12885.74	4548.64
	Area/below 10	29669.10	3972.08
	Depth	-19.26	4.52
	Slope	0.014	0.00
	Width	1694.30	78.69
	Width/below 0	1542.38	74.41
	Width/below10	1694.30	78.69
	Wetted Perm./0	1555.34	80.48
	Wetted Perm./10	1726.33	79.63
Cross Section (3)	Area/below 0	13696.84	1399.11
	Area/below 10	29426.57	1788.23
	Depth	-22.21	6.22
	Slope	0.016	0.01
	Width	1547.79	66.34
	Width/below 0	1448.33	6.93
	Width/below10	1547.79	66.34
	Wetted Perm./0	1456.83	3.12
	Wetted Perm./10	1576.18	63.16

Cross Section (4)	Area/below 0	13214.28	1763.66
	Area/below 10	27362.11	1601.89
	Depth	-27.19	2.99
	Slope	0.027	0.01
	Width	1449.74	48.43
	Width/below 0	1163.49	125.60
	Width/below10	1449.74	48.43
	Wetted Perm./0	1173.07	124.52
	Wetted Perm./10	1478.24	51.74
Cross Section (5)	Area/below 0	11649.02	2812.93
	Area/below 10	27197.18	1247.32
	Depth	-30.38	7.00
	Slope	0.033	0.01
	Width	1449.78	34.46
	Width/below 0	1038.30	222.24
	Width/below10	1449.78	34.46
	Wetted Perm./0	1060.69	210.96
	Wetted Perm./10	1486.52	48.27
Cross Section (6)	Area/below 0	12840.53	2087.12
	Area/below 10	26993.24	1863.55
	Depth	-25.44	3.35
	Slope	0.031	0.01
	Width	1466.05	15.46
	Width/below 0	1039.47	224.48
	Width/below10	1466.05	15.46
	Wetted Perm./0	1052.72	226.00
	Wetted Perm./10	1498.76	27.96

Cross Section (7)	Area/below 0	13554.98	1554.49
	Area/below 10	28938.43	1339.57
	Depth	-22.23	1.94
	Slope	0.028	0.01
	Width	1652.64	30.94
	Width/below 0	1164.91	264.14
	Width/below10	1652.64	30.94
	Wetted Perm./0	1173.97	269.92
	Wetted Perm./10	1678.51	28.73
Cross Section (8)	Area/below 0	13389.39	1001.78
	Area/below 10	29192.20	830.27
	Depth	-23.09	2.47
	Slope	0.035	0.02
	Width	1695.25	157.20
	Width/below 0	1154.42	245.86
	Width/below10	1780.60	12.40
	Wetted Perm./0	1163.75	251.51
	Wetted Perm./10	1805.39	7.83
Cross Section (9)	Area/below 0	12903.75	637.12
	Area/below 10	29505.15	1249.25
	Depth	-28.09	0.33
	Slope	0.044	0.02
	Width	1914.01	8.31
	Width/below 0	944.86	194.42
	Width/below10	1843.01	122.30
	Wetted Perm./0	1301.96	202.53
	Wetted Perm./10	1867.86	118.89

Cross Section (10)	Area/below 0	15594.79	3407.98
	Area/below 10	30505.61	3566.56
	Depth	-29.64	3.80
	Slope	0.039	0.00
	Width	1864.50	16.96
	Width/below 0	1111.51	191.27
	Width/below10	1864.50	16.96
	Wetted Perm./0	1122.79	198.44
	Wetted Perm./10	1890.28	14.60
Cross Section (11)	Area/below 0	16014.57	2153.99
	Area/below 10	24439.55	3668.23
	Depth	-26.34	2.59
	Slope	0.035	0.00
	Width	1766.06	2.92
	Width/below 0	1122.67	180.78
	Width/below10	1688.72	132.53
	Wetted Perm./0	1132.29	182.34
	Wetted Perm./10	1712.62	136.46
Cross Section (12)	Area/below 0	18258.46	3143.80
	Area/below 10	35556.45	4159.43
	Depth	-29.45	4.86
	Slope	0.041	0.00
	Width	1906.73	14.44
	Width/below 0	1235.46	161.10
	Width/below10	1906.73	14.44
	Wetted Perm./0	1241.39	164.52
	Wetted Perm./10	1928.53	21.71

Cross Section (13)	Area/below 0	20251.00	3069.39
	Area/below 10	38328.76	3351.73
	Depth	-27.39	4.05
	Slope	0.026	0.00
	Width	2005.89	7.66
	Width/below 0	1362.22	207.22
	Width/below10	2005.89	7.66
	Wetted Perm./0	1370.26	208.61
	Wetted Perm./10	2029.30	4.81

Only 2007 and 2005 (After Weirs were built) Before and after

		Average	Standard Deviation	Differences	Percent Difference
Cross Section (1)	Area/below 0	24742.38	14285.67	9098.38	45.1
	Area/below 10	41267.74	231.75	8016.62	21.5
	Depth	-27.83	4.13	-10.48	-46.4
	Slope	0.019	0.00	0.007	41.1
	Width	1658.80	68.36	-4.34	0.3
	Width/below 0	1570.05	57.14	-19.46	1.2
	Width/below10	1658.80	68.36	-4.34	0.3
	Wetted Perm./0	1585.21	65.32	-17.44	1.1
	Wetted Perm./10	1690.16	54.81	-3.72	0.2
Cross Section (2)	Area/below 0	25732.81	14912.30	12847.07	66.5
	Area/below 10	42019.82	1431.69	12350.72	34.5
	Depth	-36.49	3.78	-17.22	-61.8
	Slope	0.027	0.01	0.013	64.4
	Width	1636.36	49.43	-57.94	3.5
	Width/below 0	1597.74	39.94	55.35	3.5
	Width/below10	1636.36	49.43	-57.94	3.5
	Wetted Perm./0	1620.38	27.21	65.04	4.1
	Wetted Perm./10	1674.13	30.02	-52.20	3.1
Cross Section (3)	Area/below 0	34058.62	6728.30	20361.79	85.3
	Area/below 10	56762.10	6417.88	27335.53	63.4
	Depth	-55.12	9.93	-32.91	-85.1
	Slope	0.051	0.01	0.035	103.7
	Width	2280.27	40.74	732.48	38.3
	Width/below 0	2085.59	69.67	637.26	36.1
	Width/below10	2280.27	40.74	732.48	38.3
	Wetted Perm./0	2113.18	82.52	656.36	36.8
	Wetted Perm./10	2337.09	27.53	760.91	38.9

Cross Section (4)	Area/below 0	26473.59	15335.07
	Area/below 10	40067.27	23141.81
	Depth	-58.13	33.88
	Slope	0.058	0.03
	Width	1396.31	806.67
	Width/below 0	1388.52	801.94
	Width/below10	1396.31	806.67
	Wetted Perm./0	1411.51	815.02
	Wetted Perm./10	1437.02	829.85
Cross Section (5)	Area/below 0	24560.32	14397.23
	Area/below 10	38621.72	22416.02
	Depth	-31.46	19.23
	Slope	0.031	0.02
	Width	1413.07	816.27
	Width/below 0	1377.51	795.36
	Width/below10	1413.07	816.27
	Wetted Perm./0	1395.86	806.13
	Wetted Perm./10	1448.43	836.36
Cross Section (6)	Area/below 0	22525.98	13043.72
	Area/below 10	37267.17	21524.27
	Depth	-23.20	13.50
	Slope	0.033	0.02
	Width	1476.45	853.53
	Width/below 0	1468.71	848.71
	Width/below10	1476.45	853.53
	Wetted Perm./0	1482.95	856.67
	Wetted Perm./10	1508.38	871.54

13259.31	66.8
12705.16	37.7
-30.94	-72.5
0.031	73.1
-53.44	3.8
225.03	17.6
-53.44	3.8
238.44	18.5
-41.21	2.8
12911.30	71.3
11424.54	34.7
-1.08	-3.5
-0.002	6.9
-36.72	2.6
339.21	28.1
-36.72	2.6
335.17	27.3
-38.09	2.6
9685.45	54.8
10273.93	32.0
2.24	-9.2
0.002	5.6
10.40	0.7
429.24	34.2
10.40	0.7
430.23	33.9
9.62	0.6

Cross Section (7)	Area/below 0	20820.46	12095.14
	Area/below 10	36973.17	21398.45
	Depth	-18.85	11.08
	Slope	0.030	0.02
	Width	1629.14	940.98
	Width/below 0	1554.66	897.73
	Width/below10	1629.14	940.98
	Wetted Perm./0	1565.39	904.00
	Wetted Perm./10	1654.75	955.56
Cross Section (8)	Area/below 0	19978.30	11882.64
	Area/below 10	36746.35	21409.62
	Depth	-20.12	11.71
	Slope	0.021	0.01
	Width	1707.41	986.05
	Width/below 0	1574.93	909.29
	Width/below10	1707.41	986.05
	Wetted Perm./0	1583.74	914.40
	Wetted Perm./10	1730.44	999.17
Cross Section (9)	Area/below 0	18719.85	10957.60
	Area/below 10	36500.67	21122.99
	Depth	-23.29	13.45
	Slope	0.017	0.01
	Width	1823.21	1052.85
	Width/below 0	1675.86	973.11
	Width/below10	1823.21	1052.85
	Wetted Perm./0	1703.78	992.00
	Wetted Perm./10	1847.97	1066.96

7265.48	42.3
8034.74	24.4
3.38	-16.4
0.002	6.0
-23.50	1.4
389.75	28.7
-23.50	1.4
391.42	28.6
-23.76	1.4
6588.91	39.5
7554.15	22.9
2.96	-13.7
-0.015	52.2
12.16	0.7
420.52	30.8
-73.19	4.2
419.98	30.6
-74.95	4.2
5816.10	36.8
6995.53	21.2
4.80	-18.7
-0.027	89.9
-90.80	4.9
731.00	55.8
-19.81	1.1
401.82	26.7
-19.89	1.1

Cross Section (10)	Area/below 0	19728.74	11450.63
	Area/below 10	36922.64	21331.39
	Depth	-28.05	16.26
	Slope	0.022	0.01
	Width	1757.55	1015.55
	Width/below 0	1472.63	853.46
	Width/below10	1757.55	1015.55
	Wetted Perm./0	1485.96	860.74
	Wetted Perm./10	1786.60	1031.92
Cross Section (11)	Area/below 0	22458.07	13061.61
	Area/below 10	30360.95	17633.26
	Depth	-30.10	17.86
	Slope	0.026	0.02
	Width	1665.87	962.97
	Width/below 0	1404.98	812.33
	Width/below10	1665.87	962.97
	Wetted Perm./0	1417.05	819.01
	Wetted Perm./10	1695.20	979.43
Cross Section (12)	Area/below 0	23264.43	13684.06
	Area/below 10	40195.81	23386.11
	Depth	-26.67	15.73
	Slope	0.021	0.01
	Width	1769.32	1022.69
	Width/below 0	1630.00	945.41
	Width/below10	1769.32	1022.69
	Wetted Perm./0	1641.08	952.39
	Wetted Perm./10	1795.20	1037.14

4133.95	23.4
6417.02	19.0
1.58	-5.5
-0.017	56.5
-106.95	5.9
361.13	27.9
-106.95	5.9
363.17	27.8
-103.68	5.6
6443.50	33.5
5921.40	21.6
-3.75	-13.3
-0.008	27.7
-100.19	5.8
282.31	22.3
-22.85	1.4
284.76	22.3
-17.41	1.0
5005.96	24.1
4639.36	12.2
2.77	-9.9
-0.020	64.5
-137.41	7.5
394.54	27.5
-137.41	7.5
399.69	27.7
-133.33	7.2

Cross Section (13)	Area/below 0	23519.83	13605.31
	Area/below 10	42024.93	24274.50
	Depth	-20.70	11.98
	Slope	0.017	0.01
	Width	1913.96	1107.46
	Width/below 0	1790.52	1034.97
	Width/below10	1913.96	1107.46
	Wetted Perm./0	1802.69	1042.31
	Wetted Perm./10	1940.84	1122.25

3268.83	14.9
3696.17	9.2
6.69	-27.8
-0.010	46.1
-91.93	4.7
428.30	27.2
-91.93	4.7
432.43	27.3
-88.46	4.5

		2007		2005		1986		1982		1976	
		Slope	R2 Value	Slope	R2 Value	Slope	R2 Value	Slope	R2 Value	Slope	R2 Value
Cross Section (1)	-40 - -30			0.0317	0.846						
	-30 - -20	0.0022	0.208	0.014	0.7595						
	-20 - -10	0.0087	0.7687	0.0238	0.9336	0.0054	0.5593	0.0029	0.3277	0.0026	0.6176
	-10 - 0	0.017	0.7127	0.0129	0.7807	0.0042	0.1035	0.0058	0.546	0.0141	0.8449
	0 - 10	0.0588	0.6733					0.036	0.867		
Cross Section (2)	-40 - -30	0.1034	0.9884	0.0793	0.8937						
	-30 - -20	0.0095	0.4816	0.0494	0.9783	0.0321	0.7014				
	-20 - -10	0.0059	0.3646	0.0255	0.8861	0.0167	0.9568	0.077	0.9887	0.006	0.6216
	-10 - 0	0.0036	0.0742	0.0158	0.8583	0.0125	0.9201	0.0029	0.2817	0.0111	0.8903
	0 - 10	0.227	0.8299	0.1591	0.2613	0.0303	0.3428				
Cross Section (3)	-50 - -40	0.0968	0.9779	0.0244	0.5412						
	-40 - -30	0.1643	0.9945	0.0879	0.9998						
	-30 - -20	0.0965	0.979	0.0876	1	0.0462	1	0.0789	0.9506		
	-20 - -10	0.0191	0.7946	0.0467	0.9771	0.0293	0.9841	0.0404	0.9609	0.0166	0.9636
	-10 - 0			0.0112	0.577	0.0168	0.9775	0.0066	0.7848	0.0125	0.9263
	0 - 10	0.0711	0.2431	0.078	0.2738	0.0225	0.3803	0.0537	0.5303	0.0592	0.1535
Cross Section (4)	-70 - -60			0.0475	0.7935						
	-60 - -50	0.0587	0.7849	0.5514	0.2231						
	-50 - -40	0.2173	0.9753	0.1914	1						
	-40 - -30	0.1779	0.9927	0.1914	1						
	-30 - -20	0.1077	0.9623	0.1548	0.982	0.0421	0.9997	0.0508	0.9411	0.0324	0.9614
	-20 - -10	0.1096	0.9888	0.0791	0.9764	0.043	0.9862	0.0527	0.9546	0.0202	0.9383
	-10 - 0	0.0091	0.6816	0.0146	0.794	0.0187	0.9973	0.0114	0.7525	0.0157	0.9789
	0 - 10					0.0149	0.4762	0.0083	0.2734	0.0585	0.2987
Cross Section (5)	-40 - -30			0.0194	0.8634	0.0795	0.9977	0.05	0.9808		
	-30 - -20	0.0113	0.7337	0.0637	0.9396	0.0381	0.8175	0.0961	0.9315	0.0101	0.8388
	-20 - -10	0.022	0.7966	0.0562	0.9915	0.0459	0.7323	0.0299	0.9228	0.0276	0.9201
	-10 - 0	0.0289	0.9657	0.0301	0.894	0.0322	0.9049	0.0146	0.7465	0.0141	0.9441
	0 - 10	0.0927	0.3356			0.0052	0.2175	0.0086	0.2693	0.0438	0.3997

Cross Section (6)	-30 - -20	0.0029	0.2361	0.036	0.9148	0.0247	0.9478	0.0508	0.968	0.0272	0.9841
	-20 - -10	0.0152	0.7728	0.0455	0.9726	0.0614	0.9993	0.0396	0.9897	0.021	0.9742
	-10 - 0	0.0186	0.765	0.0415	0.8967	0.0596	0.9459	0.0093	0.8008	0.0241	0.9662
	0 - 10					0.0068	0.3653	0.0133	0.2938	0.0142	0.1931
Cross Section (7)	-30 - -20	0.0259	0.8776			0.0345	0.9882	0.0726	1	0.0312	0.9932
	-20 - -10	0.0307	0.9358	0.0058	0.6163	0.0336	0.9094	0.054	0.9926	0.0198	0.8978
	-10 - 0	0.0609	0.9399	0.0277	0.8382	0.0671	0.9853	0.0082	0.8936	0.0251	0.9554
	0 - 10	0.0733	0.7746	0.1851	0.491	0.0044	0.232	0.0231	0.6077	0.0172	0.6507
Cross Section (8)	-30 - -20	0.0269	0.8803			0.0397	0.9996	0.0463	1	0.0675	0.9999
	-20 - -10	0.0158	0.8596	0.0078	0.4534	0.035	0.9754	0.0176	0.6689	0.0257	0.9643
	-10 - 0	0.0359	0.9511	0.0102	0.8667	0.1649	0.9194	0.0126	0.8062	0.0321	0.9518
	0 - 10	0.0525	0.9121	0.0526	0.3484	0.0041	0.2643	0.0184	0.8521	0.0109	0.7343
Cross Section (9)	-30 - -20	0.0158	0.7445	0.0096	0.4224	0.0845	0.8832	0.0931	0.9881	0.0642	0.9998
	-20 - -10	0.0114	0.8839	0.0223	0.9724	0.0258	0.9671	0.0198	0.8075	0.0252	0.9274
	-10 - 0	0.0263	0.9926	0.007	0.697	0.3208	1	0.0273	0.9475	0.0396	0.9726
	0 - 10	0.0406	0.9181			0.0042	0.3379	0.0234	0.9819	0.0074	0.6927
Cross Section (10)	-40 - -30					0.0301	0.9961				
	-30 - -20	0.0403	0.9207	0.0118	0.6139	0.0392	0.9879	0.0323	0.7619	0.0285	0.9645
	-20 - -10	0.0166	0.9637	0.0337	0.9766	0.0356	0.9994	0.0633	0.9881	0.0534	0.9909
	-10 - 0	0.0151	0.9636	0.0116	0.7828	0.0601	0.9937	0.0246	0.9303	0.0285	0.9914
	0 - 10	0.0775	0.8855	0.0319	0.9993	0.0054	0.2784	0.0131	0.825	0.009	0.6347
Cross Section (11)	-40 - -30			0.0215	0.4796						
	-30 - -20	0.026	0.8774	0.1036	0.9997	0.0317	0.9803	0.0142	0.8599	0.032	0.9484
	-20 - -10	0.0151	0.8916	0.01	0.5344	0.0304	0.9837	0.0396	0.9069	0.0459	0.9965
	-10 - 0	0.0045	0.1867	0.0146	0.6925	0.0458	0.9964	0.039	0.9988	0.0373	0.9968
	0 - 10	0.1165	0.4812	0.06	0.9985	0.0074	0.3449	0.015	0.7554	0.0105	0.6775
Cross Section (12)	-40 - -30					0.0087	1	0.0405	0.999		
	-30 - -20	0.0079	0.5009	0.0461	0.9325	0.0362	0.9252	0.054	0.9598	0.0291	0.9639
	-20 - -10	0.0053	0.4787	0.01	0.6983	0.0384	0.9843	0.0416	0.9502	0.0378	0.9945
	-10 - 0	0.0327	0.8539	0.0289	0.7179	0.0465	0.9989	0.0411	0.9671	0.0505	0.9978
	0 - 10	0.0586	0.7598			0.0088	0.4789	0.0086	0.5034	0.0076	0.5343

Cross Section (13)	-40 - -30							0.0216	0.6945		
	-30 - -20	0.0424	0.9013			0.0149	0.928	0.0305	0.954	0.0399	0.9893
	-20 - -10	0.008	0.8588	0.0219	0.9619	0.031	0.8796	0.0175	0.8757	0.0099	0.4846
	-10 - 0	0.0182	0.9005	0.01	0.7898	0.0415	0.9975	0.0224	0.888	0.046	1
	0 - 10	0.0845	0.8147			0.0083	0.4742	0.0186	0.8129	0.0087	0.6323

		2007	2005	1986	1982	1976
		Slope	Slope	Slope	Slope	Slope
Cross Section (1)	-40 - -30		0.0317			
	-30 - -20					
	-20 - -10		0.0238			
	-10 - 0					0.0141
	0 - 10				0.036	
Cross Section (2)	-40 - -30	0.1034	0.0793			
	-30 - -20		0.0494			
	-20 - -10		0.0255	0.0167	0.077	
	-10 - 0		0.0158	0.0125		0.0111
	0 - 10	0.227				
Cross Section (3)	-50 - -40	0.0968				
	-40 - -30	0.1643	0.0879			
	-30 - -20	0.0965	0.0876	0.0462	0.0789	
	-20 - -10		0.0467	0.0293	0.0404	0.0166
	-10 - 0			0.0168		0.0125
	0 - 10					
Cross Section (4)	-70 - -60					
	-60 - -50					
	-20 - -10	0.2173	0.1914			
	-40 - -30	0.1779	0.1914			
	-30 - -20	0.1077	0.1548	0.0421	0.0508	0.0324
	-20 - -10	0.1096	0.0791	0.043	0.0527	0.0202
	-10 - 0			0.0187		0.0157
	0 - 10					
Cross Section (5)	-40 - -30		0.0194	0.0795	0.05	
	-30 - -20		0.0637	0.0381	0.0961	0.0101
	-20 - -10		0.0562		0.0299	0.0276
	-10 - 0	0.0289	0.0301	0.0322		0.0141
	0 - 10					

Cross Section (6)	-30 - -20		0.036	0.0247	0.0508	0.0272
	-20 - -10		0.0455	0.0614	0.0396	0.021
	-10 - 0		0.0415	0.0596	0.0093	0.0241
	0 - 10					
Cross Section (7)	-30 - -20	0.0259		0.0345	0.0726	0.0312
	-20 - -10	0.0307		0.0336	0.054	0.0198
	-10 - 0	0.0609	0.0277	0.0671	0.0082	0.0251
	0 - 10					
Cross Section (8)	-30 - -20	0.0269		0.0397	0.0463	0.0675
	-20 - -10	0.0158		0.035		0.0257
	-10 - 0	0.0359	0.0102	0.1649	0.0126	0.0321
	0 - 10	0.0525			0.0184	
Cross Section (9)	-30 - -20			0.0845	0.0931	0.0642
	-20 - -10	0.0114	0.0223	0.0258	0.0198	0.0252
	-10 - 0	0.0263		0.3208	0.0273	0.0396
	0 - 10	0.0406			0.0234	
Cross Section (10)	-40 - -30			0.0301		
	-30 - -20	0.0403		0.0392		0.0285
	-20 - -10	0.0166	0.0337	0.0356	0.0633	0.0534
	-10 - 0	0.0151		0.0601	0.0246	0.0285
	0 - 10	0.0775	0.0319		0.0131	
Cross Section (11)	-40 - -30					
	-30 - -20	0.026	0.1036	0.0317	0.0142	0.032
	-20 - -10	0.0151		0.0304	0.0396	0.0459
	-10 - 0			0.0458	0.039	0.0373
	0 - 10		0.06			
Cross Section (12)	-40 - -30			0.0087	0.0405	
	-30 - -20		0.0461	0.0362	0.054	0.0291
	-20 - -10			0.0384	0.0416	0.0378
	-10 - 0	0.0327		0.0465	0.0411	0.0505
	0 - 10					

Cross Section (13)	-40 - -30					
	-30 - -20	0.0424		0.0149	0.0305	0.0399
	-20 - -10	0.008	0.0219	0.031	0.0175	
	-10 - 0	0.0182		0.0415	0.0224	0.046
	0 - 10	0.0845			0.0186	

Cross Section (13)	-40 - -30	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-30 - -20	0.0424	#DIV/0!	0.0284	0.0126	1.40	39.44	1.11
	-20 - -10	0.0150	0.0098	0.0243	0.0095	-0.93	-47.45	-0.97
	-10 - 0	0.0182	#DIV/0!	0.0366	0.0125	-1.84	-67.23	-1.47
	0 - 10	0.0845	#DIV/0!	0.0186	#DIV/0!	6.59	127.84	#DIV/0!

Taking all data in account (30 years)

		2007	1986	1982	1976	Average	Standard Deviation
Cross Section (1)	Area/below 0	28391.81	31158.69	31449.95	24605.16	23121.12	3178.46
	Area/below 10	47008.91	49657.68	50059.53	43414.22	47535.08	3062.49
	Depth	-26.84	-29.50	-29.97	-24.54	-27.71	2.52
	Slope	0.046	0.043	0.047	0.067	0.051	0.01
	Width	1861.71	1849.90	1860.96	1865.38	1859.49	6.68
	Width/below 0	1861.71	1849.90	1860.96	1636.88	1802.36	110.45
	Width/below10	1861.71	1849.90	1860.96	1865.38	1859.49	6.68
	Wetted Perm./0	1881.77	1856.67	1872.05	1643.24	1813.43	113.93
	Wetted Perm./10	1901.77	1876.67	1892.05	1894.04	1891.13	10.51
	Cross Section (2)	Area/below 0	29178.19	27720.31	30261.85	28043.80	23040.83
Area/below 10		46146.07	44567.06	47187.48	45054.30	45738.73	1169.91
Depth		-27.14	-33.32	-31.73	-30.50	-30.67	2.62
Slope		0.037	0.041	0.034	0.026	0.034	0.01
Width		1696.79	1684.68	1692.56	1701.05	1693.77	6.98
Width/below 0		1696.79	1684.68	1692.56	1701.05	1693.77	6.98
Width/below10		1696.79	1684.68	1692.56	1701.05	1693.77	6.98
Wetted Perm./0		1711.64	1691.15	1706.24	1708.52	1704.39	9.10
Wetted Perm./10		1731.64	1711.15	1726.24	1728.52	1724.39	9.10
Cross Section (3)		Area/below 0	30230.50	31813.71	26608.63	26608.63	29224.53
	Area/below 10	49670.77	41554.40	46251.14	46251.14	46806.23	3333.94
	Depth	-23.50	-23.56	-26.66	-26.66	-25.16	1.81
	Slope	0.023	0.028	0.022	0.022	0.023	0.00
	Width	1944.03	1948.14	1964.25	1964.25	1952.98	10.62
	Width/below 0	1944.03	1948.14	1964.25	1964.25	1952.98	10.62
	Width/below10	1944.03	1948.14	1964.25	1964.25	1952.98	10.62
	Wetted Perm./0	1955.12	1958.45	1969.49	1969.49	1960.60	7.46
	Wetted Perm./10	1975.12	1978.45	1989.49	1989.49	1980.60	7.46

Cross Section (4)	Area/below 0	31706.48	32630.15	32367.30	31458.05	25632.40	549.33
	Area/below 10	52470.96	53477.10	53002.12	52339.71	42257.98	521.99
	Depth	-21.30	-24.84	-24.88	-21.10	-18.42	2.11
	Slope	0.017	0.017	0.015	0.017	0.013	0.00
	Width	2076.45	2084.70	2063.48	2088.17	1662.56	10.97
	Width/below 0	2076.45	2084.70	2063.48	2088.17	1662.56	10.97
	Width/below10	2076.45	2084.70	2063.48	2088.17	1662.56	10.97
	Wetted Perm./0	2088.33	2090.14	2076.38	2097.84	1670.54	8.88
	Wetted Perm./10	2108.33	2110.14	2096.38	2117.84	1686.54	8.88
	Area/below 0	32885.11	31289.54	34395.83	31807.27	26075.55	1372.57
Cross Section (5)	Area/below 10	56407.74	54780.69	57918.46	55194.67	44860.31	1409.41
	Depth	-24.34	-23.47	-21.19	-20.60	-17.92	1.79
	Slope	0.012	0.013	0.013	0.012	0.010	0.00
	Width	2352.26	2349.12	2352.26	2338.74	1878.48	6.41
	Width/below 0	2352.26	2349.12	2352.26	2338.74	1878.48	6.41
	Width/below10	2352.26	2349.12	2352.26	2338.74	1878.48	6.41
	Wetted Perm./0	2365.20	2352.40	2363.99	2350.39	1886.40	7.68
	Wetted Perm./10	2385.20	2372.40	2383.99	2370.39	1902.40	7.68

Years 1986-1976 (Before Weirs were built)

		Average	Standard Deviation
Cross Section (1)	Area/below 0	29071.27	3870.50
	Area/below 10	47710.48	3726.09
	Depth	-28.00	3.01
	Slope	0.052	0.01
	Width	1858.75	7.97
	Width/below 0	1782.58	126.30
	Width/below10	1858.75	7.97
	Wetted Perm./0	1790.65	127.89
	Wetted Perm./10	1887.58	9.51
Cross Section (2)	Area/below 0	28675.32	1383.46
	Area/below 10	45602.95	1393.70
	Depth	-31.85	1.41
	Slope	0.034	0.01
	Width	1692.76	8.19
	Width/below 0	1692.76	8.19
	Width/below10	1692.76	8.19
	Wetted Perm./0	1701.97	9.44
	Wetted Perm./10	1721.97	9.44
Cross Section (3)	Area/below 0	28343.66	3005.15
	Area/below 10	44685.56	2711.66
	Depth	-25.63	1.79
	Slope	0.024	0.00
	Width	1958.88	9.30
	Width/below 0	1958.88	9.30
	Width/below10	1958.88	9.30
	Wetted Perm./0	1965.81	6.37
	Wetted Perm./10	1985.81	6.37

Cross Section (4)	Area/below 0	32151.83	615.04
	Area/below 10	52939.64	571.27
	Depth	-23.61	2.17
	Slope	0.016	0.00
	Width	2078.78	13.36
	Width/below 0	2078.78	13.36
	Width/below10	2078.78	13.36
	Wetted Perm./0	2088.12	10.87
	Wetted Perm./10	2108.12	10.87
Cross Section (5)	Area/below 0	32497.55	1664.22
	Area/below 10	55964.61	1704.70
	Depth	-21.75	1.52
	Slope	0.012	0.00
	Width	2346.71	7.08
	Width/below 0	2346.71	7.08
	Width/below10	2346.71	7.08
	Wetted Perm./0	2355.60	7.34
	Wetted Perm./10	2375.60	7.34

Only 2007 (After Weirs were built)

		2007 Value
Cross Section (1)	Area/below 0	14195.90
	Area/below 10	23504.45
	Depth	-13.42
	Slope	0.023
	Width	930.86
	Width/below 0	930.86
	Width/below10	930.86
	Wetted Perm./0	940.88
	Wetted Perm./10	950.88
Cross Section (2)	Area/below 0	14589.10
	Area/below 10	23073.04
	Depth	-13.57
	Slope	0.018
	Width	848.39
	Width/below 0	848.39
	Width/below10	848.39
	Wetted Perm./0	855.82
	Wetted Perm./10	865.82
Cross Section (3)	Area/below 0	30545.83
	Area/below 10	49987.24
	Depth	-24.46
	Slope	0.023
	Width	1944.14
	Width/below 0	1944.14
	Width/below10	1944.14
	Wetted Perm./0	1952.79
	Wetted Perm./10	1972.79

Before and after

Differences	Percent Difference
-14875.36	68.8
-24206.02	68.0
14.58	-70.4
-0.029	77.2
-927.89	66.5
-851.72	62.8
-927.89	66.5
-849.77	62.2
-936.70	66.0
-14086.22	65.1
-22529.91	65.6
18.28	-80.5
-0.015	58.2
-844.37	66.5
-844.37	66.5
-844.37	66.5
-846.15	66.2
-856.15	66.2
2202.18	7.5
5301.68	11.2
1.17	-4.7
0.000	1.1
-14.74	0.8
-14.74	0.8
-14.74	0.8
-13.02	0.7
-13.02	0.7

Cross Section (4)	Area/below 0	15853.24
	Area/below 10	26235.48
	Depth	-10.65
	Slope	0.008
	Width	1038.22
	Width/below 0	1038.22
	Width/below10	1038.22
	Wetted Perm./0	1044.17
	Wetted Perm./10	1054.17
Cross Section (5)	Area/below 0	16442.55
	Area/below 10	28203.87
	Depth	-12.17
	Slope	0.006
	Width	1176.13
	Width/below 0	1176.13
	Width/below10	1176.13
	Wetted Perm./0	1182.60
	Wetted Perm./10	1192.60

-16298.59	67.9
-26704.16	67.5
12.96	-75.6
-0.008	63.6
-1040.56	66.8
-1040.56	66.8
-1040.56	66.8
-1043.95	66.7
-1053.95	66.7
-16054.99	65.6
-27760.74	66.0
9.58	-56.5
-0.007	71.3
-1170.57	66.5
-1170.57	66.5
-1170.57	66.5
-1172.99	66.3
-1182.99	66.3

		2007		2005		1986		1982		1976	
		Slope	R2 Value	Slope	R2 Value	Slope	R2 Value	Slope	R2 Value	Slope	R2 Value
Cross Section (1)	-30 - -20	0.0124	0.7271			0.0166	0.8175	0.0221	0.7353	0.043	0.9027
	-20 - -10	0.0956	0.9116			0.1079	0.9967	0.0656	0.9549	0.029	0.7246
	-10 - 0	0.0002	1.00E-05			0.0395	0.9032	0.023	0.9499	0.4078	0.8264
	0 - 10									-0.0092	0.8665
Cross Section (2)	-40 - -30					0.0402	1	0.0244	0.9995	0.0157	0.6483
	-30 - -20	0.0314	0.8755			0.032	0.9969	0.0253	0.9996	0.0169	0.9299
	-20 - -10	0.008	0.4252			0.0265	0.6537	0.0183	0.7299	0.0203	0.6969
	-10 - 0	0.3513	0.9545			0.0583	0.9181	0.0239	0.8882	0.0334	0.8519
Cross Section (3)	-30 - -20	0.0136	0.8577			0.0144	0.959	0.0266	1	0.0301	0.9419
	-20 - -10	0.0068	0.7504			0.0154	0.9132	0.0117	0.7392	0.0128	0.9423
	-10 - 0	0.0325	0.3746			0.0265	0.6429	0.0227	0.3734	0.0196	0.4767
Cross Section (4)	-30 - -20	0.0353	0.8959			0.0131	0.8677	0.011	0.808	0.015	0.971
	-20 - -10	0.0046	0.7998			0.0048	0.6014	0.0064	0.7804	0.0089	0.8305
	-10 - 0	0.0175	0.8086			0.028	0.6831	0.0088	0.6934	0.0198	1
Cross Section (5)	-30 - -20	0.0106	0.8516			0.0328	1	0.0055	0.9814	0.0124	1
	-20 - -10	0.0062	0.9393			0.007	0.8688	0.0075	0.8599	0.0061	0.9006
	-10 - 0	0.0689	0.6951			0.0813	0.8256	0.0143	0.7853	0.0308	0.7939

		2007	2005	1986	1982	1976
		Slope	Slope	Slope	Slope	Slope
Cross Section (1)	-30 - -20			0.0166		0.043
	-20 - -10	0.0956		0.1079	0.0656	
	-10 - 0			0.0395	0.023	0.4078
	0 - 10					-0.0092
Cross Section (2)	-40 - -30			0.0402	0.0244	
	-30 - -20	0.0314		0.032	0.0253	0.0169
	-20 - -10					
	-10 - 0	0.3513		0.0583	0.0239	0.0334
Cross Section (3)	-30 - -20	0.0136		0.0144	0.0266	0.0301
	-20 - -10			0.0154		0.0128
	-10 - 0					
Cross Section (4)	-30 - -20	0.0353		0.0131	0.011	0.015
	-20 - -10					0.0089
	-10 - 0	0.0175				0.0198
Cross Section (5)	-30 - -20	0.0106		0.0328	0.0055	0.0124
	-20 - -10	0.0062		0.007	0.0075	0.0061
	-10 - 0			0.0813		

		Average	Std. Deviation	Average	Std. Deviation	Diff. in Slope	% Difference	Change / Normal Dev.
Cross Section (1)	-30 - -20	#DIV/0!		0.0298	0.0187	#DIV/0!	#DIV/0!	#DIV/0!
	-20 - -10	0.0956		0.0868	0.0299	0.89	9.71	0.30
	-10 - 0	#DIV/0!		0.1568	0.2176	#DIV/0!	#DIV/0!	#DIV/0!
	0 - 10	#DIV/0!		-0.0092	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Cross Section (2)	-40 - -30	#DIV/0!		0.0323	0.0112	#DIV/0!	#DIV/0!	#DIV/0!
	-30 - -20	0.0314		0.0247	0.0076	0.67	23.75	0.88
	-20 - -10	#DIV/0!		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-10 - 0	0.3513		0.0385	0.0178	31.28	160.46	17.61
Cross Section (3)	-30 - -20	0.0136		0.0237	0.0082	-1.01	-54.16	-1.23
	-20 - -10	#DIV/0!		0.0141	0.0018	#DIV/0!	#DIV/0!	#DIV/0!
	-10 - 0	#DIV/0!		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Cross Section (4)	-30 - -20	0.0353		0.0130	0.0020	2.23	92.14	11.13
	-20 - -10	#DIV/0!		0.0089	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-10 - 0	0.0175		0.0198	#DIV/0!	-0.23	-12.33	#DIV/0!
Cross Section (5)	-30 - -20	0.0106		0.0169	0.0142	-0.63	-45.82	-0.44
	-20 - -10	0.0062		0.0069	0.0007	-0.07	-10.20	-0.94
	-10 - 0	#DIV/0!		0.0813	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

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Taking all data in account (30 years)

		2007	2005	1986	1982	1976	Average	Standard Deviation
Cross Section (1)	Area/below 0	47930.86	39945.04	32056.27	47550.34	28276.67	32626.53	8900.16
	Area/below 10	72293.77	62360.41	54927.78	70320.16	52301.42	62440.71	8922.22
	Depth	-33.41	-26.74	-32.87	-31.50	-28.30	-30.56	2.92
	Slope	0.019	0.016	0.021	0.018	0.015	0.018	0.00
	Width	2458.64	2241.54	2312.64	2338.17	2425.70	2355.34	87.59
	Width/below 0	2413.36	2241.54	2142.73	2244.74	2206.11	2249.69	100.27
	Width/below10	2458.64	2241.54	2312.64	2338.17	2425.70	2355.34	87.59
	Wetted Perm./0	2425.32	2263.32	2189.39	2261.09	2210.01	2269.83	92.66
	Wetted Perm./10	2483.21	2283.32	2336.17	2367.28	2452.23	2384.44	82.46
	Cross Section (2)	Area/below 0	43105.99	41244.58	31922.31	47882.60	28480.70	32106.03
Area/below 10		66042.13	62596.28	52881.85	70322.87	52154.91	60799.61	8044.04
Depth		-34.99	-40.48	-42.15	-39.49	-31.36	-37.69	4.42
Slope		0.024	0.028	0.031	0.020	0.017	0.024	0.01
Width		2366.54	2135.17	2254.55	2272.41	2371.77	2280.09	96.94
Width/below 0		2221.49	2135.17	1594.18	2231.46	2319.29	2100.32	290.35
Width/below10		2366.54	2135.17	2254.55	2272.41	2371.77	2280.09	96.94
Wetted Perm./0		2231.11	2161.80	1599.74	2240.32	2326.70	2111.93	292.25
Wetted Perm./10		2383.82	2181.80	2277.33	2295.14	2398.63	2307.34	88.02
Cross Section (3)		Area/below 0	38673.78	40625.32	45977.34	27291.87	27291.87	35586.80
	Area/below 10	61182.60	62407.04	68189.57	51805.91	51805.91	58374.00	7146.66
	Depth	-39.07	-49.40	-41.77	-32.88	-32.88	-39.69	6.90
	Slope	0.04	0.030	0.024	0.016	0.016	0.025	0.01
	Width	2430.78	2178.17	2330.66	2406.88	2406.88	2342.82	103.55
	Width/below 0	2076.12	2178.17	2097.27	2350.16	2350.16	2095.57	133.17
	Width/below10	2430.78	2178.17	2330.66	2406.88	2406.88	2342.82	103.55
	Wetted Perm./0	2114.02	2210.29	2105.93	2360.13	2360.13	2115.83	125.60
	Wetted Perm./10	2475.21	2230.29	2344.49	2436.01	2436.01	2375.10	98.63

Cross Section (4)	Area/below 0	39232.38	42221.42	32674.04	37921.16	25238.86	29547.98	6675.29
	Area/below 10	60637.87	62835.58	52723.11	58056.55	47903.58	47026.11	6079.14
	Depth	-41.68	-43.77	-42.54	-42.77	-32.23	-33.83	4.73
	Slope	0.031	0.028	0.035	0.026	0.017	0.023	0.01
	Width	2262.49	2061.42	2181.50	2216.94	2267.28	1831.60	84.03
	Width/below 0	1946.08	2061.42	1405.15	1881.75	2245.37	1589.96	313.19
	Width/below10	2262.49	2061.42	2181.50	2216.94	2267.28	1831.60	84.03
	Wetted Perm./0	1957.87	2090.09	1413.08	1888.62	2253.92	1600.60	316.15
	Wetted Perm./10	2283.33	2110.09	2206.68	2226.76	2295.10	1853.66	73.92
	Area/below 0	42749.21	36706.15	32288.23	38606.66	23921.35	29045.27	7175.53
Area/below 10	64557.85	57084.84	52784.29	59117.94	46330.69	46645.94	6855.08	
Depth	-45.05	-33.90	-45.06	-43.72	-30.38	-33.02	6.96	
Slope	0.033	0.025	0.040	0.027	0.015	0.023	0.01	
Cross Section (5)	Width	2301.35	2037.87	2176.98	2191.86	2242.03	1825.01	98.01
	Width/below 0	1998.54	2037.87	1526.50	1949.57	2216.23	1621.45	255.06
	Width/below10	2301.35	2037.87	2176.98	2191.86	2242.03	1825.01	98.01
	Wetted Perm./0	2017.70	2064.78	1534.83	1957.33	2223.15	1632.96	257.07
	Wetted Perm./10	2329.74	2084.78	2202.62	2203.62	2268.12	1848.15	91.09
	Area/below 0	36125.18	36522.21	37764.43	40468.70	25933.09	29468.94	5538.11
	Area/below 10	59805.29	57518.14	60528.47	62715.63	49587.61	48359.19	5071.61
	Depth	-27.33	-28.67	-51.78	-49.70	-30.28	-31.29	12.11
	Slope	0.024	0.030	0.033	0.030	0.019	0.023	0.01
Cross Section (6)	Width	2408.01	2152.96	2357.68	2373.33	2384.98	1946.16	103.62
	Width/below 0	2221.44	1844.02	1892.81	2086.13	2030.17	1679.09	151.72
	Width/below10	2408.01	2152.96	2357.68	2373.33	2384.98	1946.16	103.62
	Wetted Perm./0	2228.27	1866.02	1900.87	2095.32	2035.40	1687.65	147.52
	Wetted Perm./10	2428.52	2192.66	2382.95	2387.62	2409.61	1966.89	95.45

Cross Section (7)	Area/below 0	31479.25	41097.85	41566.30	40741.03	16181.15	28510.93	10916.82
	Area/below 10	52747.70	60099.85	51042.81	57581.39	31319.38	42131.85	11352.63
	Depth	-37.22	-39.91	-57.06	-60.81	-35.03	-38.34	12.00
	Slope	0.028	0.027	0.041	0.048	0.057	0.033	0.01
	Width	1876.92	1900.20	2033.86	2033.86	1512.53	1559.56	213.56
	Width/below 0	1642.17	1900.20	1638.67	1524.42	951.71	1276.20	352.09
	Width/below10	1876.92	1900.20	2033.86	2033.86	1512.53	1559.56	213.56
	Wetted Perm./0	1654.68	1933.63	1675.39	1537.49	967.76	1294.83	358.10
	Wetted Perm./10	1897.98	1953.63	2088.30	2052.90	1550.88	1590.62	214.02
	Cross Section (8)	Area/below 0	34210.59	42950.37	36834.02	35108.75	24346.25	28908.33
Area/below 10		57321.11	61621.35	55986.60	56414.96	36144.68	44581.45	9955.46
Depth		-39.83	-41.85	-45.71	-49.76	-40.73	-36.31	4.12
Slope		0.040	0.046	0.036	0.038	0.045	0.034	0.00
Width		1943.91	1867.10	2003.11	2008.29	1179.84	1500.37	351.58
Width/below 0		1686.79	1867.10	1474.33	1440.96	1179.84	1274.84	260.70
Width/below10		1943.91	1867.10	2003.11	2008.29	1179.84	1500.37	351.58
Wetted Perm./0		1700.12	1905.31	1502.77	1453.33	1198.59	1293.35	266.38
Wetted Perm./10		1965.84	1925.31	2049.84	2030.03	1218.59	1531.60	349.78

Years 1986-1976 (Before Weirs were built)

		Average	Standard Deviation
Cross Section (1)	Area/below 0	35961.10	10212.95
	Area/below 10	59183.12	9733.94
	Depth	-30.89	2.35
	Slope	0.02	0.00
	Width	2358.84	59.29
	Width/below 0	2197.86	51.50
	Width/below10	2358.84	59.29
	Wetted Perm./0	2220.17	36.92
	Wetted Perm./10	2385.23	60.07
Cross Section (2)	Area/below 0	36095.20	10352.21
	Area/below 10	58453.21	10285.85
	Depth	-37.67	5.62
	Slope	0.02	0.01
	Width	2299.58	63.16
	Width/below 0	2048.31	395.73
	Width/below10	2299.58	63.16
	Wetted Perm./0	2055.59	397.13
	Wetted Perm./10	2323.70	65.50
Cross Section (3)	Area/below 0	33520.36	10788.06
	Area/below 10	57267.13	9459.11
	Depth	-35.85	5.13
	Slope	0.02	0.00
	Width	2381.47	44.00
	Width/below 0	2265.86	146.01
	Width/below10	2381.47	44.00
	Wetted Perm./0	2275.40	146.76
	Wetted Perm./10	2405.50	52.84

Cross Section (4)	Area/below 0	31944.69	6372.53
	Area/below 10	52894.41	5078.65
	Depth	-39.18	6.02
	Slope	0.03	0.01
	Width	2221.91	43.11
	Width/below 0	1844.09	421.37
	Width/below10	2221.91	43.11
	Wetted Perm./0	1851.87	421.62
	Wetted Perm./10	2242.85	46.36
Cross Section (5)	Area/below 0	31605.42	7366.43
	Area/below 10	52744.31	6393.72
	Depth	-39.72	8.12
	Slope	0.03	0.01
	Width	2203.62	34.08
	Width/below 0	1897.43	347.81
	Width/below10	2203.62	34.08
	Wetted Perm./0	1905.10	347.12
	Wetted Perm./10	2224.79	37.53
Cross Section (6)	Area/below 0	34722.07	7730.65
	Area/below 10	57610.57	7033.62
	Depth	-43.92	11.86
	Slope	0.03	0.01
	Width	2372.00	13.70
	Width/below 0	2003.04	99.48
	Width/below10	2372.00	13.70
	Wetted Perm./0	2010.53	99.58
	Wetted Perm./10	2393.39	14.23

Cross Section (7)	Area/below 0	32829.49	14423.79
	Area/below 10	46647.86	13671.50
	Depth	-50.97	13.93
	Slope	0.05	0.01
	Width	1860.08	300.99
	Width/below 0	1371.60	368.09
	Width/below10	1860.08	300.99
	Wetted Perm./0	1393.55	375.13
	Wetted Perm./10	1897.36	300.58
Cross Section (8)	Area/below 0	32096.34	6766.98
	Area/below 10	49515.41	11581.38
	Depth	-45.40	4.52
	Slope	0.04	0.00
	Width	1730.41	476.81
	Width/below 0	1365.04	161.26
	Width/below10	1730.41	476.81
	Wetted Perm./0	1384.90	163.23
	Wetted Perm./10	1766.15	474.31

Only 2007 and 2005 (After Weirs were built)

Before and after

		Average	Standard Deviation
Cross Section (1)	Area/below 0	43937.95	25679.91
	Area/below 10	67327.09	7023.94
	Depth	-30.08	4.72
	Slope	0.02	0.00
	Width	2350.09	153.51
	Width/below 0	2327.45	121.50
	Width/below10	2350.09	153.51
	Wetted Perm./0	2344.32	114.55
	Wetted Perm./10	2383.26	141.34
Cross Section (2)	Area/below 0	42175.29	24367.69
	Area/below 10	64319.21	2436.58
	Depth	-37.73	3.88
	Slope	0.03	0.00
	Width	2250.85	163.60
	Width/below 0	2178.33	61.04
	Width/below10	2250.85	163.60
	Wetted Perm./0	2196.45	49.01
	Wetted Perm./10	2282.81	142.85
Cross Section (3)	Area/below 0	56479.86	3592.76
	Area/below 10	89221.31	4054.35
	Depth	-65.31	5.30
	Slope	0.05	0.00
	Width	3456.24	126.31
	Width/below 0	2887.91	353.35
	Width/below10	3456.24	126.31
	Wetted Perm./0	2934.40	359.84
	Wetted Perm./10	3517.05	123.25

Differences	Percent Difference
7976.85	20.0
8143.97	12.9
0.81	-2.7
0.00	2.6
-8.75	0.4
129.59	5.7
-8.75	0.4
124.16	5.4
-1.96	0.1
6080.08	15.5
5865.99	9.6
-0.07	-0.2
0.00	13.8
-48.72	2.1
130.02	6.2
-48.72	2.1
140.87	6.6
-40.89	1.8
22959.50	51.0
31954.18	43.6
-29.46	-58.2
0.03	89.9
1074.76	36.8
622.05	24.1
1074.76	36.8
659.00	25.3
1111.55	37.5

Cross Section (4)	Area/below 0	40726.90	23561.13
	Area/below 10	61736.72	35660.65
	Depth	-42.72	24.69
	Slope	0.03	0.02
	Width	2161.95	1252.25
	Width/below 0	2003.75	1158.30
	Width/below10	2161.95	1252.25
	Wetted Perm./0	2023.98	1170.41
	Wetted Perm./10	2196.71	1271.23
Cross Section (5)	Area/below 0	39727.68	23134.95
	Area/below 10	60821.35	35313.46
	Depth	-39.48	23.47
	Slope	0.03	0.02
	Width	2169.61	1259.53
	Width/below 0	2018.21	1165.38
	Width/below10	2169.61	1259.53
	Wetted Perm./0	2041.24	1178.74
	Wetted Perm./10	2207.26	1280.24
Cross Section (6)	Area/below 0	36323.70	20972.44
	Area/below 10	58661.71	33887.66
	Depth	-28.00	16.18
	Slope	0.03	0.02
	Width	2280.48	1322.80
	Width/below 0	2032.73	1188.67
	Width/below10	2280.48	1322.80
	Wetted Perm./0	2047.14	1195.72
	Wetted Perm./10	2310.59	1339.22

8782.21	24.2
8842.31	15.4
-3.54	-8.7
0.00	13.2
-59.95	2.7
159.66	8.3
-59.95	2.7
172.11	8.9
-46.14	2.1
8122.26	22.8
8077.04	14.2
0.24	-0.6
0.00	5.0
-34.02	1.6
120.77	6.2
-34.02	1.6
136.14	6.9
-17.53	0.8
1601.62	4.5
1051.14	1.8
15.92	-44.3
0.00	1.1
-91.51	3.9
29.69	1.5
-91.51	3.9
36.61	1.8
-82.80	3.5

Cross Section (7)	Area/below 0	36288.55	21496.10
	Area/below 10	56423.77	32783.04
	Depth	-38.57	22.31
	Slope	0.03	0.02
	Width	1888.56	1090.42
	Width/below 0	1771.18	1030.70
	Width/below10	1888.56	1090.42
	Wetted Perm./0	1794.16	1045.21
	Wetted Perm./10	1925.81	1112.21
Cross Section (8)	Area/below 0	38580.48	22699.06
	Area/below 10	59471.23	34402.99
	Depth	-40.84	23.60
	Slope	0.04	0.03
	Width	1905.50	1100.81
	Width/below 0	1776.94	1029.87
	Width/below10	1905.50	1100.81
	Wetted Perm./0	1802.71	1045.84
	Wetted Perm./10	1945.57	1123.46

3459.06	10.0
9775.91	19.0
12.40	-27.7
-0.02	55.7
28.48	1.5
399.58	25.4
28.48	1.5
400.61	25.1
28.45	1.5
6484.14	18.3
9955.82	18.3
4.56	-10.6
0.00	8.6
175.09	9.6
411.90	26.2
175.09	9.6
417.81	26.2
179.42	9.7

		2007		2005		1986		1982		1976	
		Slope	R2 Value	Slope	R2 Value	Slope	R2 Value	Slope	R2 Value	Slope	R2 Value
Cross Section (1)	-40 - -30	0.1383	0.9413			0.0359	0.895	0.0592	0.9944		
	-30 - -20	0.0171	0.7876	0.0055	0.6927	0.0365	0.9613	0.0091	0.6776	0.0407	0.9823
	-20 - -10	0.0015	0.078	0.0185	0.8355	0.0283	0.9185	0.0036	0.3584	0.0187	0.8585
	-10 - 0	0.0829	1	0.0115	0.6247	0.008	0.6848	0.0539	0.8422	0.0016	0.0754
	0 - 10					0.0181	0.651			-0.0147	0.1482
Cross Section (2)	-50 - -40			0.0255	0.9999	0.0289	0.9971				
	-40 - -30	0.0381	0.9485	0.1381	0.9608	0.0263	0.9905	0.028	0.8171	0.0245	0.9943
	-30 - -20	0.0627	0.9641	0.0182	0.9561	0.0525	0.9993	0.0176	0.9794	0.0674	0.9335
	-20 - -10	0.0116	0.8591	0.0238	0.8152	0.0312	0.9875	0.0095	0.749	0.0214	0.9434
	-10 - 0	0.0138	0.7678	0.0119	0.7579	0.0255	0.9821	0.0337	0.9088	0.0047	0.4772
	0 - 10	0.083	0.8051			0.0025	0.4398				
Cross Section (3)	-50 - -40			0.2151	0.9928	0.0115	0.9569	0.0133	0.6123		
	-40 - -30	0.1087	0.8417	0.0131	0.5074	0.0299	0.91	0.0248	0.7518	0.0179	0.999
	-30 - -20	0.1565	0.9849	0.0059	0.1825	0.0535	0.9859	0.0216	0.8815	0.0305	0.9774
	-20 - -10	0.0195	0.806	0.0106	0.566	0.0385	0.992	0.013	0.8987	0.0231	0.8641
	-10 - 0	0.0009	0.0089	0.0085	0.8593	0.0197	0.7671	0.0274	0.8321	0.0046	0.6049
	0 - 10	0.0321	0.8574			0.0022	0.3818	0.0529	1		
Cross Section (4)	-50 - -40	0.0282	0.8254	0.0109	0.5271	0.0113	0.639	0.0129	0.6725		
	-40 - -30	0.0598	0.8173	0.0334	0.847	0.0411	0.9713	0.0303	0.5872	0.0141	0.9151
	-30 - -20	0.0942	0.9929	0.0408	0.8799	0.0406	0.993	0.0392	0.9483	0.0509	0.982
	-20 - -10	0.0191	0.86	0.0574	0.9792	0.0385	0.987	0.0271	0.9017	0.0292	0.9505
	-10 - 0	0.0117	0.7252	0.0158	0.7544	0.0421	0.9655	0.0111	0.5873	0.0074	0.8973
	0 - 10	0.028	0.8771			0.0011	0.0948	0.0368	0.8896		
Cross Section (5)	-50 - -40	0.0399	0.9203			0.0293	0.9881	0.0272	0.9344		
	-40 - -30	0.0751	0.7631	0.0183	0.8717	0.0392	0.9898	0.0414	0.7924	0.0079	1
	-30 - -20	0.0296	0.9378	0.0275	0.8038	0.0462	0.9972	0.046	0.9963	0.0228	0.7466
	-20 - -10	0.0399	0.8764	0.0357	0.5815	0.385	0.9985	0.032	0.8714	0.0293	0.9764
	-10 - 0	0.011	0.6985	0.0173	0.7133	0.0443	0.9946	0.0121	0.7771	0.007	0.7414
	0 - 10	0.0379	0.7348			0.0034	0.5585	0.0479	0.845		

Cross Section (6)	-60 - -50					0.0981	1				
	-50 - -40					0.0776	0.9906	0.0859	1		
	-40 - -30					0.0729	0.9966	0.079	0.9966	0.1169	1
	-30 - -20	0.0284	0.948	0.0256	0.7412	0.0196	0.8761	0.0187	0.6536	0.0369	0.9481
	-20 - -10	0.0166	0.5875	0.0169	0.7151	0.0356	0.9899	0.0345	0.8286	0.0411	0.9429
	-10 - 0	0.0189	0.9752	0.0605	0.9078	0.0207	0.939	0.0132	0.796	0.003	0.3428
	0 - 10	0.0281	0.9995	0.0058	0.723	0.0065	0.8997	0.0251	0.6884	-0.0016	0.073
Cross Section (7)	-70 - -60							0.0712	1		
	-60 - -50					0.0407	0.9835	0.0514	0.8618		
	-50 - -40					0.0664	0.9489	0.0775	0.9939		
	-40 - -30	0.0077	0.1385	0.0275	0.9819	0.082	0.9533	0.0778	0.987	0.0464	0.9963
	-30 - -20	0.0143	0.7365	0.0233	0.8972	0.0681	0.9906	0.0778	0.9996	0.0665	0.9815
	-20 - -10	0.03	0.7846	0.0244	0.8635	0.0479	0.9627	0.0367	0.9858	0.171	0.9902
	-10 - 0	0.0173	0.4826	0.0114	0.6865	0.0165	0.9938	0.0224	0.9592	0.0174	0.3841
Cross Section (8)	0 - 10	0.0545	0.4494			0.0039	0.5468	0.0252	0.702	-0.0021	0.878
	-50 - -40			0.0622	0.7463	0.0215	0.9232	0.0237	0.8227	0.031	1
	-40 - -30	0.0276	0.7698	0.174	0.9852	0.0331	0.9627	0.0361	0.9369	0.0465	0.9411
	-30 - -20	0.1058	0.9218	0.1243	0.9914	0.0612	0.9904	0.058	0.9823	0.0349	0.6408
	-20 - -10	0.0315	0.8354	0.0506	0.9609	0.0569	0.9695	0.0269	0.7033	0.077	0.9922
	-10 - 0	0.0435	0.6548	0.0035	0.084	0.0228	0.9762	0.0407	0.9358	109	0.2099
	0 - 10	0.0275	0.4396			0.0024	0.444	0.0243	0.7845		

		2007	2005	1986	1982	1976
		Slope	Slope	Slope	Slope	Slope
Cross Section (1)	-40 - -30	0.1383		0.0359	0.0592	
	-30 - -20			0.0365		0.0407
	-20 - -10		0.0185	0.0283		0.0187
	-10 - 0	0.0829			0.0539	
	0 - 10					
Cross Section (2)	-50 - -40		0.0255	0.0289		
	-40 - -30	0.0381	0.1381	0.0263	0.028	0.0245
	-30 - -20	0.0627	0.0182	0.0525	0.0176	0.0674
	-20 - -10	0.0116	0.0238	0.0312		0.0214
	-10 - 0			0.0255	0.0337	
	0 - 10	0.083				
Cross Section (3)	-50 - -40		0.2151	0.0115		
	-40 - -30	0.1087		0.0299		0.0179
	-30 - -20	0.1565		0.0535	0.0216	0.0305
	-20 - -10	0.0195		0.0385	0.013	0.0231
	-10 - 0		0.0085		0.0274	
	0 - 10	0.0321			0.0529	
Cross Section (4)	-50 - -40	0.0282				
	-40 - -30	0.0598	0.0334	0.0411		0.0141
	-30 - -20	0.0942	0.0408	0.0406	0.0392	0.0509
	-20 - -10	0.0191	0.0574	0.0385	0.0271	0.0292
	-10 - 0			0.0421		0.0074
	0 - 10	0.028			0.0368	
Cross Section (5)	-50 - -40	0.0399		0.0293	0.0272	
	-40 - -30		0.0183	0.0392		0.0079
	-30 - -20	0.0296	0.0275	0.0462	0.046	
	-20 - -10	0.0399		0.385	0.032	0.0293
	-10 - 0			0.0443		
	0 - 10				0.0479	

Cross Section (6)	-60 - -50			0.0981		
	-50 - -40			0.0776	0.0859	
	-40 - -30			0.0729	0.079	0.1169
	-30 - -20	0.0284		0.0196		0.0369
	-20 - -10			0.0356	0.0345	0.0411
	-10 - 0	0.0189	0.0605	0.0207		
	0 - 10	0.0281		0.0065		
Cross Section (7)	-70 - -60				0.0712	
	-60 - -50			0.0407	0.0514	
	-50 - -40			0.0664	0.0775	
	-40 - -30		0.0275	0.082	0.0778	0.0464
	-30 - -20		0.0233	0.0681	0.0778	0.0665
	-20 - -10		0.0244	0.0479	0.0367	0.171
	-10 - 0			0.0165	0.0224	
	0 - 10					-0.0021
Cross Section (8)	-50 - -40			0.0215	0.0237	0.031
	-40 - -30		0.174	0.0331	0.0361	0.0465
	-30 - -20	0.1058	0.1243	0.0612	0.058	
	-20 - -10	0.0315	0.0506	0.0569		0.077
	-10 - 0			0.0228	0.0407	
	0 - 10					

		Average	Std. Deviation	Average	Std. Deviation	Diff. in Slope	% Difference	Change / Normal Dev.
Cross Section (1)	-40 - -30	0.1383	#DIV/0!	0.0476	0.0165	9.08	97.66	5.51
	-30 - -20	#DIV/0!	#DIV/0!	0.0386	0.0030	#DIV/0!	#DIV/0!	#DIV/0!
	-20 - -10	0.0185	#DIV/0!	0.0235	0.0068	-0.50	-23.81	-0.74
	-10 - 0	0.0829	#DIV/0!	0.0539	#DIV/0!	2.90	42.40	#DIV/0!
	0 - 10	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Cross Section (2)	-50 - -40	0.0255	#DIV/0!	0.0289	#DIV/0!	-0.34	-12.50	#DIV/0!
	-40 - -30	0.0881	0.0707	0.0263	0.0018	6.18	108.13	35.33
	-30 - -20	0.0405	0.0315	0.0458	0.0256	-0.54	-12.48	-0.21
	-20 - -10	0.0177	0.0086	0.0263	0.0069	-0.86	-39.09	-1.24
	-10 - 0	#DIV/0!	#DIV/0!	0.0296	0.0058	#DIV/0!	#DIV/0!	#DIV/0!
	0 - 10	0.0830	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Cross Section (3)	-50 - -40	0.2151	#DIV/0!	0.0115	#DIV/0!	20.36	179.70	#DIV/0!
	-40 - -30	0.1087	#DIV/0!	0.0239	0.0085	8.48	127.90	9.99
	-30 - -20	0.1565	#DIV/0!	0.0352	0.0165	12.13	126.55	7.37
	-20 - -10	0.0195	#DIV/0!	0.0249	0.0128	-0.54	-24.19	-0.42
	-10 - 0	0.0085	#DIV/0!	0.0274	#DIV/0!	-1.89	-105.29	#DIV/0!
	0 - 10	0.0321	#DIV/0!	0.0529	#DIV/0!	-2.08	-48.94	#DIV/0!
Cross Section (4)	-50 - -40	0.0282	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-40 - -30	0.0466	0.0187	0.0276	0.0191	1.90	51.21	1.00
	-30 - -20	0.0675	0.0378	0.0436	0.0064	2.39	43.10	3.75
	-20 - -10	0.0383	0.0271	0.0316	0.0061	0.67	19.04	1.10
	-10 - 0	#DIV/0!	#DIV/0!	0.0248	0.0245	#DIV/0!	#DIV/0!	#DIV/0!
	0 - 10	0.0280	#DIV/0!	0.0368	#DIV/0!	-0.88	-27.16	#DIV/0!
Cross Section (5)	-50 - -40	0.0399	#DIV/0!	0.0283	0.0015	1.17	34.19	7.85
	-40 - -30	0.0183	#DIV/0!	0.0236	0.0221	-0.53	-25.09	-0.24
	-30 - -20	0.0286	0.0015	0.0461	0.0001	-1.76	-47.02	-124.10
	-20 - -10	0.0399	#DIV/0!	0.1488	0.2046	-10.89	-115.41	-0.53
	-10 - 0	#DIV/0!	#DIV/0!	0.0443	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	0 - 10	#DIV/0!	#DIV/0!	0.0479	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Picayune

Taking all data in account (30 years)

		2007	2005	1986	1982	1976	Average	Standard Deviation
Cross Section (1)	Area/below 0	34081.73	28206.55	31831.20	32401.83	34226.34	26791.27	2437.14
	Area/below 10	53722.18	48911.24	51892.27	52882.33	54482.91	43648.49	2164.84
	Depth	-36.84	-32.57	-30.74	-30.78	-33.71	-27.44	2.52
	Slope	0.024	0.021	0.021	0.023	0.024	0.019	0.00
	Width	2119.42	2090.45	2223.25	2053.31	2025.66	1752.01	76.38
	Width/below 0	1892.24	1906.44	1869.32	2024.58	2025.66	1619.70	75.54
	Width/below10	2067.58	2090.45	2148.51	2053.31	2025.66	1730.92	46.32
	Wetted Perm./0	1909.71	1919.48	1879.22	2034.41	2046.56	1631.56	76.98
	Wetted Perm./10	2088.37	2118.71	2161.24	2081.32	2066.56	1752.70	37.58
	Cross Section (2)	Area/below 0	26322.82	28867.60	30092.76	31119.79	29271.41	24279.06
Area/below 10		45662.24	50043.05	49616.05	50812.67	48694.28	48965.66	1998.84
Depth		-23.67	-30.70	-33.38	-33.91	-29.61	-30.25	4.10
Slope		0.016	0.016	0.020	0.025	0.018	0.019	0.00
Width		2013.67	2139.41	2162.27	2101.89	1942.29	2071.90	91.94
Width/below 0		1892.45	2075.75	1910.75	1805.10	1942.29	1925.27	98.32
Width/below10		1969.96	2139.41	1993.90	2101.89	1942.29	2029.49	86.22
Wetted Perm./0		1904.99	2098.64	1921.19	1819.02	1956.68	1940.10	102.05
Wetted Perm./10		1990.52	2183.08	2006.78	2129.11	1976.68	2057.23	92.86
Cross Section (3)		Area/below 0	26556.60	22698.44	20035.12	23042.21	19956.22	18714.76
	Area/below 10	44801.05	43537.01	37080.88	39916.16	38175.37	33918.41	3352.36
	Depth	-22.43	-22.42	-23.36	-29.53	-26.06	-20.63	3.05
	Slope	0.016	0.014	0.018	0.030	0.019	0.016	0.01
	Width	2035.77	2143.32	1928.80	2126.12	1836.41	1678.40	130.93
	Width/below 0	1772.31	1752.11	1518.73	1392.44	1725.49	1360.18	168.13
	Width/below10	1890.57	2143.32	1812.35	2013.96	1836.41	1616.10	138.09
	Wetted Perm./0	1779.84	1761.57	1523.34	1401.83	1735.51	1367.02	168.67
	Wetted Perm./10	1901.62	2172.73	1819.76	2033.89	1864.46	1632.08	143.97

Cross Section (4)	Area/below 0	28021.25	23345.00	22892.70	18303.54	17192.69	18292.53	4348.09
	Area/below 10	49514.09	44123.87	42034.34	34173.37	35374.28	34203.32	6355.31
	Depth	-23.31	-26.77	-28.18	-24.84	-22.18	-20.88	2.45
	Slope	0.016	0.014	0.020	0.026	0.034	0.018	0.01
	Width	2249.50	2167.42	2188.89	2185.56	1784.43	1762.63	187.45
	Width/below 0	2052.47	1950.92	1547.74	1258.50	1190.99	1333.44	391.95
	Width/below10	2191.51	2167.42	2082.45	2092.75	1784.43	1719.76	163.00
	Wetted Perm./0	2061.46	1978.84	1556.44	1265.77	1202.06	1344.09	396.11
	Wetted Perm./10	2204.64	2209.36	2097.90	2110.57	1812.88	1739.23	161.73
	Area/below 0	30660.49	25888.78	22047.39	21752.98	17246.78	19599.40	5030.95
Cross Section (5)	Area/below 10	52320.29	42804.89	41209.25	38257.48	34804.90	34899.47	6585.68
	Depth	-40.97	-41.89	-29.02	-31.17	-24.42	-27.91	7.65
	Slope	0.024	0.024	0.023	0.034	0.021	0.021	0.01
	Width	1899.32	0.00	1948.47	0.00	0.00	641.30	1053.90
	Width/below 0	1986.13	1958.14	1469.48	1331.85	1481.32	1371.15	304.17
	Width/below10	2272.42	2192.43	2174.83	2029.84	1814.96	1747.41	180.27
	Wetted Perm./0	2000.78	1978.96	1473.50	1338.39	1491.95	1380.60	309.95
	Wetted Perm./10	2288.61	2227.42	2184.31	2046.92	1842.39	1764.94	177.83
	Area/below 0	20879.95	17484.87	20733.10	21057.15	19213.27	16561.39	1524.33
	Area/below 10	38997.29	38670.65	38232.90	37970.75	37279.05	31858.44	662.28
Cross Section (6)	Depth	-23.08	-20.20	-33.13	-24.54	-24.52	-20.91	4.83
	Slope	0.020	0.020	0.029	0.033	0.018	0.020	0.01
	Width	2352.45	2226.06	2404.57	1903.20	1905.95	1798.71	240.67
	Width/below 0	1975.16	1561.25	1303.80	1411.21	1460.33	1285.29	259.09
	Width/below10	1823.21	2156.73	2104.34	1903.20	1905.95	1648.91	143.75
	Wetted Perm./0	1979.75	1566.74	1309.51	1413.48	1469.74	1289.87	258.78
	Wetted Perm./10	1838.08	2175.17	2116.97	1917.66	1930.43	1663.05	143.28

Cross Section (7)	Area/below 0	23395.13	20479.43	24358.89	24057.11	22673.06	19160.60	1547.59
	Area/below 10	41157.04	39777.50	42508.78	41141.47	41501.74	34347.76	978.68
	Depth	-26.53	-23.30	-39.12	-34.21	-32.88	-26.01	6.30
	Slope	0.019	0.021	0.041	0.028	0.023	0.022	0.01
	Width	2379.71	2244.21	2466.41	1768.77	2037.38	1816.08	280.84
	Width/below 0	1613.41	1603.32	1228.25	1492.16	1584.15	1253.55	161.58
	Width/below10	1820.75	2037.19	2164.79	1768.77	2037.38	1638.15	165.59
	Wetted Perm./0	1620.83	1613.08	1236.11	1495.42	1597.70	1260.53	162.63
	Wetted Perm./10	1838.71	2062.32	2179.08	1785.24	2063.28	1654.77	166.64
	Area/below 0	24094.84	20146.31	21581.62	21300.21	21301.00	18070.66	1456.12
Cross Section (8)	Area/below 10	45402.47	41580.08	41344.93	39104.02	40738.73	34695.04	2317.87
	Depth	-25.17	-23.11	-31.55	-29.96	-22.73	-22.09	4.03
	Slope	0.029	0.023	0.034	0.026	0.016	0.021	0.01
	Width	2323.51	2298.04	2518.96	1812.79	2124.71	1846.34	265.04
	Width/below 0	1450.24	1625.25	-94.47	1410.85	1747.85	1023.29	751.63
	Width/below10	2281.24	2298.04	2133.21	1812.79	2124.71	1775.00	194.79
	Wetted Perm./0	1456.42	1633.66	2649.80	1413.69	1758.16	1485.29	504.31
	Wetted Perm./10	2290.04	2323.73	2148.32	1833.43	2145.21	1790.12	193.66
	Area/below 0	27485.88	25718.77	20285.17	20669.36	19755.27	18985.74	3557.02
	Area/below 10	49150.33	50388.18	41187.61	39547.14	39974.24	36707.92	5274.15
Cross Section (9)	Depth	-31.48	-35.08	-28.55	-30.62	-16.08	-23.64	7.26
	Slope	0.022	0.025	0.034	0.022	0.013	0.019	0.01
	Width	2392.02	2333.14	2505.65	1889.58	2237.33	1892.95	234.62
	Width/below 0	1651.82	1703.13	1467.30	1859.90	1937.78	1436.66	184.19
	Width/below10	2305.82	2333.14	2284.17	1889.58	2124.34	1822.84	185.27
	Wetted Perm./0	1658.11	1720.49	1473.69	1868.91	1942.30	1443.92	183.91
	Wetted Perm./10	2326.78	2382.99	2301.57	1917.40	2139.35	1844.68	188.74

Cross Section (10)	Area/below 0	27824.22	23863.39	24486.49	24135.78	19723.75	20005.61	2880.30
	Area/below 10	48547.57	47537.49	44505.60	44194.11	41532.94	37719.62	2810.30
	Depth	-28.82	-26.62	-34.41	-33.72	-17.38	-23.49	6.87
	Slope	0.024	0.022	0.029	0.037	0.017	0.022	0.01
	Width	2327.45	2417.74	2429.80	2006.11	2378.19	1926.55	175.53
	Width/below 0	1883.50	1834.20	1494.85	1994.93	2030.39	1539.64	212.73
	Width/below10	2282.47	2417.74	2322.30	2006.11	2234.32	1877.16	153.39
	Wetted Perm./0	1891.50	1842.44	1506.93	2008.67	2031.22	1546.80	210.54
	Wetted Perm./10	2298.15	2459.11	2345.05	2039.39	2242.46	1897.36	154.83
	Area/below 0	32720.58	25596.31	17529.06	18329.21	18660.12	18805.88	6535.97
Area/below 10	41740.80	48119.33	36441.39	38820.75	40197.93	34220.03	4398.48	
Cross Section (11)	Depth	-37.51	-36.25	-18.99	-37.61	-14.21	-24.09	11.38
	Slope	0.027	0.031	0.023	0.039	0.011	0.022	0.01
	Width	2417.04	2377.30	2373.77	1991.96	2358.21	1919.71	175.59
	Width/below 0	1944.09	1949.49	1518.59	1322.72	2028.09	1460.50	312.61
	Width/below10	2212.66	2377.30	2088.73	1991.96	2272.82	1823.91	151.59
	Wetted Perm./0	1952.65	1966.75	1522.66	1332.40	2029.24	1467.28	312.86
	Wetted Perm./10	2222.55	2417.83	2103.20	2031.74	2278.83	1842.36	151.05
	Area/below 0	23162.06	18449.66	17617.97	16253.20	19298.50	15796.90	2605.77
	Area/below 10	40469.45	36728.10	35800.06	34933.03	40489.45	31403.35	2629.64
	Depth	-34.86	-33.46	-24.03	-27.53	-14.17	-22.34	8.32
Cross Section (12)	Slope	0.030	0.034	0.020	0.023	0.009	0.019	0.01
	Width	2153.85	2177.59	2318.92	1929.76	2343.64	1820.63	165.28
	Width/below 0	1377.75	1307.30	1378.28	1531.70	1796.27	1231.88	195.78
	Width/below10	1946.02	2177.59	2017.94	1929.76	2314.71	1731.00	165.04
	Wetted Perm./0	1386.60	1316.01	1381.57	1549.77	2107.76	1290.28	324.39
	Wetted Perm./10	1956.79	2204.36	2026.76	1971.65	2317.35	1746.15	158.41

Cross Section (13)	Area/below 0	23292.75	17914.71	16973.23	19031.34	19668.32	16146.73	2421.46
	Area/below 10	40964.97	34838.66	32626.51	37171.68	41745.03	31224.48	3903.94
	Depth	-25.88	-24.16	-31.71	-23.99	-16.21	-20.32	5.54
	Slope	0.026	0.020	0.026	0.015	0.009	0.016	0.01
	Width	2221.79	2104.63	2270.34	1869.67	2414.81	1813.54	204.30
	Width/below 0	1446.12	1404.15	1309.07	1680.82	2116.53	1326.12	323.90
	Width/below10	2102.58	2076.72	2009.53	1869.67	2327.62	1731.02	166.59
	Wetted Perm./0	1455.21	1411.21	1316.68	1705.10	2118.18	1334.40	322.65
	Wetted Perm./10	2114.60	2145.04	2019.05	1911.55	2330.55	1753.46	156.03
	Cross Section (14)	Area/below 0	26886.68	19616.00	17171.05	15243.83	24313.98	17205.26
Area/below 10		32355.46	25876.26	33426.16	28865.29	34725.08	25874.71	3619.29
Depth		-25.90	-23.44	-28.03	-19.90	-19.72	-19.50	3.65
Slope		0.016	0.019	0.021	0.013	0.010	0.013	0.00
Width		2319.33	2176.93	2272.00	1851.53	2481.26	1850.18	233.69
Width/below 0		1513.67	1527.57	1404.51	1490.74	1807.02	1290.59	152.11
Width/below10		1825.54	0.00	1891.31	1752.97	-32.28	906.26	1008.74
Wetted Perm./0		1522.89	1537.60	1409.91	1510.81	1808.97	1298.36	148.99
Wetted Perm./10		1836.96	4375.56	1903.81	1783.20	4647.00	2424.42	1466.16
Cross Section (15)		Area/below 0	23249.91	18254.19	15710.47	17327.38	21041.92	15930.64
	Area/below 10	40798.35	35832.95	33630.21	35439.76	43373.75	31512.50	4089.10
	Depth	-24.22	-24.78	-22.97	-15.05	-23.69	-18.45	4.02
	Slope	0.016	0.018	0.017	0.009	0.023	0.014	0.00
	Width	1863.91	2249.14	2267.32	1820.96	2530.29	1788.60	299.27
	Width/below 0	1599.79	1599.43	1465.75	1616.83	2077.03	1393.14	234.58
	Width/below10	2031.26	2249.14	2015.66	1820.96	2444.49	1760.25	239.72
	Wetted Perm./0	1608.46	1605.69	1468.84	1632.33	2083.14	1399.74	234.53
	Wetted Perm./10	2043.57	2267.88	2033.30	1858.08	2451.75	1775.76	230.92

Years 1986-1976 (Before Weirs were built)

		Average	Standard Deviation
Cross Section (1)	Area/below 0	32819.79	1251.07
	Area/below 10	53085.84	1307.25
	Depth	-31.74	1.70
	Slope	0.023	0.00
	Width	2100.74	107.00
	Width/below 0	1973.18	89.95
	Width/below10	2075.82	64.45
	Wetted Perm./0	1986.73	93.30
	Wetted Perm./10	2103.04	50.94
Cross Section (2)	Area/below 0	30161.32	926.09
	Area/below 10	49707.67	1062.16
	Depth	-32.30	2.35
	Slope	0.021	0.00
	Width	2068.82	113.66
	Width/below 0	1886.05	71.85
	Width/below10	2012.69	81.44
	Wetted Perm./0	1898.96	71.47
	Wetted Perm./10	2037.53	80.73
Cross Section (3)	Area/below 0	21011.18	1759.36
	Area/below 10	38390.81	1429.86
	Depth	-26.32	3.09
	Slope	0.022	0.01
	Width	1963.78	147.99
	Width/below 0	1545.55	168.14
	Width/below10	1887.57	110.11
	Wetted Perm./0	1553.56	168.88
	Wetted Perm./10	1906.03	112.96

Cross Section (4)	Area/below 0	19462.98	3021.71
	Area/below 10	37194.00	4234.65
	Depth	-25.07	3.01
	Slope	0.027	0.01
	Width	2052.96	232.56
	Width/below 0	1332.41	189.51
	Width/below10	1986.54	175.11
	Wetted Perm./0	1341.42	188.92
	Wetted Perm./10	2007.12	168.33
Cross Section (5)	Area/below 0	20349.05	2690.68
	Area/below 10	38090.54	3205.43
	Depth	-28.20	3.45
	Slope	0.026	0.01
	Width	649.49	1124.95
	Width/below 0	1427.55	83.09
	Width/below10	2006.54	181.06
	Wetted Perm./0	1434.62	83.84
	Wetted Perm./10	2024.54	172.06
Cross Section (6)	Area/below 0	20334.51	984.45
	Area/below 10	37827.57	492.78
	Depth	-27.39	4.97
	Slope	0.027	0.01
	Width	2071.24	288.67
	Width/below 0	1391.78	80.06
	Width/below10	1971.17	115.34
	Wetted Perm./0	1397.57	81.29
	Wetted Perm./10	1988.36	111.57

Cross Section (7)	Area/below 0	23696.35	898.95
	Area/below 10	41717.33	708.69
	Depth	-35.41	3.29
	Slope	0.030	0.01
	Width	2090.85	351.88
	Width/below 0	1434.86	184.74
	Width/below10	1990.31	202.16
	Wetted Perm./0	1443.08	186.39
	Wetted Perm./10	2009.20	202.41
Cross Section (8)	Area/below 0	21394.28	162.24
	Area/below 10	40395.89	1159.12
	Depth	-28.08	4.70
	Slope	0.025	0.01
	Width	2152.15	353.89
	Width/below 0	1021.41	980.96
	Width/below10	2023.57	182.59
	Wetted Perm./0	1940.55	637.92
	Wetted Perm./10	2042.32	180.91
Cross Section (9)	Area/below 0	20236.60	458.98
	Area/below 10	40236.33	851.06
	Depth	-25.08	7.86
	Slope	0.023	0.01
	Width	2210.85	308.89
	Width/below 0	1754.99	252.17
	Width/below10	2099.36	198.48
	Wetted Perm./0	1761.63	252.05
	Wetted Perm./10	2119.44	192.86

Cross Section (10)	Area/below 0	22782.01	2654.33
	Area/below 10	43410.89	1633.79
	Depth	-28.50	9.64
	Slope	0.028	0.01
	Width	2271.37	231.17
	Width/below 0	1840.06	299.48
	Width/below10	2187.58	163.20
	Wetted Perm./0	1848.94	296.40
	Wetted Perm./10	2208.97	155.56
Cross Section (11)	Area/below 0	18172.80	581.52
	Area/below 10	38486.69	1900.42
	Depth	-23.60	12.36
	Slope	0.025	0.01
	Width	2241.31	216.09
	Width/below 0	1623.13	364.12
	Width/below10	2117.83	142.67
	Wetted Perm./0	1628.10	360.19
	Wetted Perm./10	2137.92	127.15
Cross Section (12)	Area/below 0	17723.22	1525.37
	Area/below 10	37074.18	2989.31
	Depth	-21.91	6.93
	Slope	0.017	0.01
	Width	2197.44	232.15
	Width/below 0	1568.75	211.44
	Width/below10	2087.47	201.67
	Wetted Perm./0	1679.70	380.13
	Wetted Perm./10	2105.26	185.74

Cross Section (13)	Area/below 0	18557.63	1408.61
	Area/below 10	37181.07	4559.27
	Depth	-23.97	7.75
	Slope	0.017	0.01
	Width	2184.94	282.43
	Width/below 0	1702.14	404.15
	Width/below10	2068.94	234.69
	Wetted Perm./0	1713.32	400.81
	Wetted Perm./10	2087.05	217.62
Cross Section (14)	Area/below 0	18909.62	4778.48
	Area/below 10	32338.85	3077.50
	Depth	-22.55	4.74
	Slope	0.015	0.01
	Width	2201.60	320.71
	Width/below 0	1567.42	211.93
	Width/below10	1204.00	1072.88
	Wetted Perm./0	1576.56	207.50
	Wetted Perm./10	2778.00	1619.72
Cross Section (15)	Area/below 0	18026.59	2733.64
	Area/below 10	37481.24	5182.65
	Depth	-20.57	4.80
	Slope	0.016	0.01
	Width	2206.19	358.59
	Width/below 0	1719.87	318.40
	Width/below10	2093.71	319.00
	Wetted Perm./0	1728.10	318.15
	Wetted Perm./10	2114.38	305.03

Only 2007 and 2005 (After Weirs were built)

		Average	Standard Deviation
Cross Section (1)	Area/below 0	31144.14	18219.46
	Area/below 10	51316.71	29725.20
	Depth	-34.70	20.15
	Slope	0.022	0.01
	Width	2104.93	1215.37
	Width/below 0	1899.34	1096.61
	Width/below10	2079.01	1200.37
	Wetted Perm./0	1914.59	1105.40
	Wetted Perm./10	2103.54	1214.57
Cross Section (2)	Area/below 0	27595.21	15982.83
	Area/below 10	47852.65	3097.70
	Depth	-27.18	4.98
	Slope	0.016	0.00
	Width	2076.54	88.91
	Width/below 0	1984.10	129.62
	Width/below10	2054.68	119.81
	Wetted Perm./0	2001.81	136.93
	Wetted Perm./10	2086.80	136.16
Cross Section (3)	Area/below 0	24627.52	14348.97
	Area/below 10	44169.03	25508.83
	Depth	-22.43	12.95
	Slope	0.015	0.01
	Width	2089.54	1207.60
	Width/below 0	1762.21	1017.46
	Width/below10	2016.95	1171.32
	Wetted Perm./0	1770.71	1022.36
	Wetted Perm./10	2037.18	1183.95

Before and after

Differences	Percent Difference
-1675.65	5.2
-1769.13	3.4
-2.96	-8.9
0.000	1.9
4.20	0.2
-73.84	3.8
3.19	0.2
-72.13	3.7
0.50	0.0
-2566.11	8.9
-1855.02	3.8
5.12	-17.2
-0.005	27.1
7.72	0.4
98.06	5.1
41.99	2.1
102.85	5.3
49.27	2.4
3616.34	15.8
5778.22	14.0
3.89	-16.0
-0.008	41.0
125.77	6.2
216.66	13.1
129.37	6.6
217.15	13.1
131.14	6.7

Cross Section (4)	Area/below 0	25683.13	15011.37
	Area/below 10	46818.98	27164.97
	Depth	-25.04	14.56
	Slope	0.015	0.01
	Width	2208.46	1275.71
	Width/below 0	2001.69	1156.79
	Width/below10	2179.46	1258.37
	Wetted Perm./0	2020.15	1167.07
	Wetted Perm./10	2207.00	1274.22
Cross Section (5)	Area/below 0	28274.64	16497.80
	Area/below 10	47562.59	27869.38
	Depth	-41.43	23.92
	Slope	0.024	0.01
	Width	949.66	1096.57
	Width/below 0	1972.14	1138.70
	Width/below10	2232.42	1289.51
	Wetted Perm./0	1989.87	1148.90
	Wetted Perm./10	2258.02	1304.02
Cross Section (6)	Area/below 0	19182.41	11204.31
	Area/below 10	38833.97	22421.40
	Depth	-21.64	12.58
	Slope	0.020	0.01
	Width	2289.26	1323.21
	Width/below 0	1768.20	1041.64
	Width/below10	1989.97	1160.95
	Wetted Perm./0	1773.25	1044.40
	Wetted Perm./10	2006.63	1170.72

6220.15	27.6
9624.98	22.9
0.03	-0.1
-0.012	56.2
155.50	7.3
669.28	40.1
192.92	9.3
678.73	40.4
199.89	9.5
7925.59	32.6
9472.05	22.1
-13.23	-38.0
-0.002	9.2
300.17	37.5
544.58	32.0
225.88	10.7
555.25	32.4
233.47	10.9
-1152.09	5.8
1006.41	2.6
5.75	-23.5
-0.007	30.1
218.02	10.0
376.42	23.8
18.80	0.9
375.67	23.7
18.27	0.9

Cross Section (7)	Area/below 0	21937.28	12749.12
	Area/below 10	40467.27	23373.97
	Depth	-24.91	14.47
	Slope	0.020	0.01
	Width	2311.96	1336.53
	Width/below 0	1608.36	928.60
	Width/below10	1928.97	1118.94
	Wetted Perm./0	1616.96	933.56
	Wetted Perm./10	1950.51	1131.67
Cross Section (8)	Area/below 0	22120.57	12923.02
	Area/below 10	43491.28	25182.33
	Depth	-24.14	13.97
	Slope	0.026	0.02
	Width	2310.78	1334.19
	Width/below 0	1537.75	892.12
	Width/below10	2289.64	1321.95
	Wetted Perm./0	1545.04	896.42
	Wetted Perm./10	2306.88	1331.99
Cross Section (9)	Area/below 0	26602.32	15384.25
	Area/below 10	49769.26	28740.96
	Depth	-33.28	19.30
	Slope	0.024	0.01
	Width	2362.58	1364.35
	Width/below 0	1677.48	968.83
	Width/below10	2319.48	1339.22
	Wetted Perm./0	1689.30	975.82
	Wetted Perm./10	2354.88	1359.88

-1759.08	7.7
-1250.06	3.0
10.49	-34.8
-0.010	41.8
221.11	10.0
173.51	11.4
-61.35	3.1
173.88	11.4
-58.69	3.0
726.30	3.3
3095.38	7.4
3.94	-15.1
0.000	1.6
158.62	7.1
516.34	40.4
266.07	12.3
-395.51	22.7
264.56	12.2
6365.72	27.2
9532.93	21.2
-8.20	-28.1
0.001	4.7
151.72	6.6
-77.52	4.5
220.12	10.0
-72.33	4.2
235.44	10.5

Cross Section (10)	Area/below 0	25843.81	15051.78
	Area/below 10	48042.53	27741.96
	Depth	-27.72	16.04
	Slope	0.023	0.01
	Width	2372.59	1370.56
	Width/below 0	1858.85	1073.49
	Width/below10	2350.10	1358.52
	Wetted Perm./0	1866.97	1078.18
	Wetted Perm./10	2378.63	1375.66
Cross Section (11)	Area/below 0	29158.45	17207.38
	Area/below 10	44930.06	26135.70
	Depth	-36.88	21.30
	Slope	0.029	0.02
	Width	2397.17	1384.15
	Width/below 0	1946.79	1123.98
	Width/below10	2294.98	1327.56
	Wetted Perm./0	1959.70	1131.45
	Wetted Perm./10	2320.19	1343.12
Cross Section (12)	Area/below 0	20805.86	12241.17
	Area/below 10	38598.78	22363.39
	Depth	-34.16	19.73
	Slope	0.032	0.02
	Width	2165.72	1250.44
	Width/below 0	1342.52	775.91
	Width/below10	2061.81	1196.00
	Wetted Perm./0	1351.30	780.97
	Wetted Perm./10	2080.57	1207.58

3061.80	12.6
4631.64	10.1
0.78	-2.8
-0.005	19.4
101.23	4.4
18.80	1.0
162.52	7.2
18.03	1.0
169.66	7.4
10985.65	46.4
6443.37	15.4
-13.28	-43.9
0.004	16.3
155.86	6.7
323.66	18.1
177.15	8.0
331.60	18.5
182.26	8.2
3082.63	16.0
1524.60	4.0
-12.25	-43.7
0.015	61.3
-31.72	1.5
-226.23	15.5
-25.66	1.2
-328.39	21.7
-24.68	1.2

Cross Section (13)	Area/below 0	20603.73	12195.71
	Area/below 10	37901.82	22095.98
	Depth	-25.02	14.47
	Slope	0.023	0.01
	Width	2163.21	1250.30
	Width/below 0	1425.14	823.07
	Width/below10	2089.65	1206.53
	Wetted Perm./0	1433.21	827.76
	Wetted Perm./10	2129.82	1229.75
Cross Section (14)	Area/below 0	23251.34	13907.70
	Area/below 10	29115.86	17119.37
	Depth	-24.67	14.30
	Slope	0.017	0.01
	Width	2248.13	1299.91
	Width/below 0	1520.62	877.96
	Width/below10	912.77	1053.97
	Wetted Perm./0	1530.24	883.52
	Wetted Perm./10	3106.26	2197.13
Cross Section (15)	Area/below 0	20752.05	12238.81
	Area/below 10	38315.65	22260.43
	Depth	-24.50	14.15
	Slope	0.017	0.01
	Width	2056.53	1202.86
	Width/below 0	1599.61	923.54
	Width/below10	2140.20	1240.44
	Wetted Perm./0	1607.08	927.85
	Wetted Perm./10	2155.73	1249.65

2046.10	10.4
720.74	1.9
-1.05	-4.3
0.006	32.4
-21.73	1.0
-277.00	17.7
20.71	1.0
-280.11	17.8
42.77	2.0
4341.72	20.6
-3222.99	10.5
-2.12	-9.0
0.002	15.5
46.54	2.1
-46.80	3.0
-291.23	27.5
-46.32	3.0
328.25	11.2
2725.46	14.1
834.41	2.2
-3.93	-17.4
0.000	1.7
-149.67	7.0
-120.26	7.2
46.50	2.2
-121.03	7.3
41.35	1.9

		2007		2005		1986		1982		1976	
		Slope	R2 Value	Slope	R2 Value	Slope	R2 Value	Slope	R2 Value	Slope	R2 Value
Cross Section (1)	-40 - -30	0.2356	0.9225	0.1067	0.9068	0.1581	1	0.0508	1	0.0903	1
	-30 - -20	0.008	0.2477	0.0551	0.6098	0.1016	0.8999	0.0096	0.4552	0.0272	0.8421
	-20 - -10	0.0011	0.0413	0.0025	0.2581	0.0072	0.7116	0.0264	0.9663	0.0181	0.9932
	-10 - 0	0.191	0.9627	0.0756	0.828	0.03	0.6504	0.0087	0.0961	-0.0104	0.3364
	0 - 10	0.0546	0.643	0.1632	0.9822	0.0164	0.1223	-0.0161	0.1066		
Cross Section (2)	-40 - -30			0.4521	1	0.0324	0.9212	0.0226	0.8001		
	-30 - -20	0.0182	0.9624	0.2709	0.8713			0.0312	0.0166		
	-20 - -10	0.001	0.0343	0.0024	0.1876	0.0105	0.5759	0.028	0.9434	0.0233	0.9802
	-10 - 0	0.088	0.9626	6.00E-05	0.0004	0.0154	0.8672	0.0081	0.1478	0.008	0.4695
Cross Section (3)	0 - 10	0.0573	0.5933	0.0715	0.1679			0.0227	0.9398		
	-30 - -20	0.0464	0.9696	-0.002	0.4523	0.0185	0.9013	0.0131	..3746	0.0197	0.9805
	-20 - -10	0.003	0.2098	0.0133	0.9068	0.0099	0.4868	0.0374	0.9999	0.0253	0.9904
	-10 - 0	0.0063	0.3921	0.0055	0.4617	0.021	0.8867	0.035	0.9937	0.0143	0.9737
Cross Section (4)	0 - 10	0.1028	0.9571	0.0592	0.5714	0.0323	0.9627	0.0078	0.3193	0.0193	0.9098
	-30 - -20	0.0136	0.5117	0.0079	0.4879	0.016	0.7019	0.0053	0.2549	0.0333	0.9998
	-20 - -10	0.0072	0.5798	0.0062	0.3465	0.0127	0.9953	0.0345	0.9986	0.0385	0.9829
	-10 - 0	0.0088	0.7112	0.0015	0.1533	0.006	0.7291	0.0399	0.9967	0.0291	0.9846
Cross Section (5)	0 - 10	0.0517	0.886	0.0341	0.814	0.0118	0.7631	0.0072	0.4506	0.0058	0.3731
	-50 - -40	0.1343	1	0.0525	0.9994						
	-40 - -30	0.1747	0.9327	0.2654	0.9756			0.0276	1		
	-30 - -20	0.0182	0.7285	0.0551	0.9232	0.0161	0.5342	0.0425	0.9357	0.112	1
	-20 - -10	0.003	0.1957	0.012	0.8543	0.0181	0.9594	0.0309	0.9451	0.021	0.9005
	-10 - 0	0.0078	0.5579	0.004	0.1798	0.0275	0.9744	0.0292	0.9843	0.0161	0.9173
Cross Section (6)	0 - 10	0.0414	0.9222	0.0377	0.9197	0.0094	0.8033	0.0085	0.4202	0.0084	0.9214
	-40 - -30					0.073	1				
	-30 - -20	0.0181	0.5904	0.175	1	0.0148	0.6245	0.0426	0.958	0.0115	0.7984
	-20 - -10	0.0123	0.9075	0.0195	0.9682	0.0267	0.9204	0.0279	0.9492	0.028	0.9654
	-10 - 0	0.0249	0.8991	0.0176	0.8782	0.033	0.9468	0.0297	0.9848	0.0168	0.9658
	0 - 10	-0.0021	0.0215	0.0047	0.553	0.008	0.8345	0.014	0.975	0.0091	0.881

Cross Section (7)	-40 - -30					0.0517	0.9979	0.0306	1	0.0351	1
	-30 - -20	0.0086	0.5873	0.0343	0.7873	0.0379	0.9276	0.0313	0.7517	0.0437	0.9924
	-20 - -10	0.0082	0.6992	0.015	0.6485	0.0287	0.7986	0.0283	0.9608	0.0169	0.9599
	-10 - 0	0.0295	0.9283	0.014	0.7991	0.0415	0.8559	0.0191	0.9653	0.0189	0.994
	0 - 10	0.0009	0.0024	0.004	0.2859	0.0077	0.7203	0.018	0.9895	0.0157	0.9562
Cross Section (8)	-40 - -30					0.0085	0.3584				
	-30 - -20	0.0785	0.985	0.037	0.8967	0.0282	0.8937	0.0426	0.938	0.0549	0.9976
	-20 - -10	0.014	0.877	0.0231	0.8677	0.0361	0.9917	0.0383	0.9848	0.0119	0.9585
	-10 - 0	0.0328	0.9796	0.0178	0.94	0.0302	0.8972	0.0134	0.9462	0.016	0.9692
	0 - 10	-0.0014	0.0133	-0.0033	0.1418	0.0021	0.0397	0.0011	0.0135	0.026	0.978
Cross Section (9)	-40 - -30	0.053	0.8186	0.2521	0.9886			0.0528	1		
	-30 - -20	0.0088	0.4882	0.0017	0.0302	0.0241	0.8884	0.044	0.9656		
	-20 - -10	0.0262	0.9665	0.0073	0.5104	0.0382	0.9497	0.0515	0.9817	0.0087	0.7534
	-10 - 0	0.0205	0.8816	0.0166	0.8265	0.0308	0.9953	0.0009	0.0143	0.0111	0.8231
	0 - 10	-0.0052	0.0363	-0.0233	0.7014	0.0008	0.0048			0.0733	0.0936
Cross Section (10)	-40 - -30					0.0621	0.9999	0.0705	1		
	-30 - -20	0.0269	0.8835	0.017	0.3509	0.0256	0.8531	0.0445	0.929		
	-20 - -10	0.0362	0.9258	0.0108	0.5302	0.0348	0.9893	0.0329	0.9735	0.0232	0.9291
	-10 - 0	0.0042	0.1353	0.0083	0.4304	0.0259	0.9929	0.0298	0.9768	0.0082	0.5557
	0 - 10	0.0059	0.0638	-0.0339	0.6899	0.0007	0.0044	-0.0222	0.8597	0.0625	1
Cross Section (11)	-40 - -30	0.0419	0.8451	0.0851	0.9766			0.0636	0.9311		
	-30 - -20	0.1019	0.9844	0.0627	0.8843	0.0729	0.9992				
	-20 - -10	0.0066	0.3112	0.0515	0.915	0.0255	0.9547	0.0341	0.949	0.0058	0.7873
	-10 - 0	0.0078	0.6717	0.0098	0.7488	0.02	0.9616	0.0234	0.9816	0.0071	0.4809
	0 - 10	0.039	0.9098	0.0107	0.2769	0.0154	0.6543	-0.01	0.5583	0.0872	1
Cross Section (12)	-40 - -30	0.0419	0.922	0.0235	0.5973						
	-30 - -20	0.0262	0.7979	0.0531	0.9598	0.0247	0.9414	0.0459	0.9819		
	-20 - -10	0.0226	0.8726	0.0294	0.8679	0.0168	0.8127	0.0333	0.9347	0.0028	0.5148
	-10 - 0	0.0242	0.9362	0.0188	0.8373	0.0191	0.9493	0.013	0.9419	0.003	0.0701
	0 - 10	0.0155	0.941	0.0116	0.9203	0.0108	0.6958	-0.0023	0.0261	0.0403	0.7105

Cross Section (13)	-40 - -30					0.0483	0.9023				
	-30 - -20	0.0452	0.9513	0.0565	0.9732	0.0282	0.7663	0.0299	0.9524		
	-20 - -10	0.0088	0.5854	0.0142	0.5825	0.0447	0.944	0.0151	0.9758	0.0112	0.9322
	-10 - 0	0.0513	0.9723	0.0122	0.653	0.016	0.8907	0.0116	0.9671	0.0033	0.2559
	0 - 10	0.017	0.7387	0.0161	0.8008	0.0169	0.9307	0.0135	0.4342	0.0994	0.9379
Cross Section (14)	-30 - -20	0.0186	0.7733	0.0253	0.9222	0.0281	0.9425				
	-20 - -10	0.07	0.5595	0.0192	0.8018	0.0213	0.8211	0.0099	0.922	0.0005	0.0147
	-10 - 0	0.023	0.8194	0.0104	0.7737	0.0152	0.9292	0.0135	0.978	0.0043	0.4296
	0 - 10	-0.0159	0.4115	0.009	0.2692	0.0197	0.955	0.0025	0.0164	0.1521	1
Cross Section (15)	-30 - -20	0.0126	0.9045	0.0236	0.9214	0.0368	0.8518			0.012	0.8354
	-20 - -10	0.0091	0.8144	0.009	0.8846	0.017	0.8317	0.0008	0.0377	-0.0008	0.0268
	-10 - 0	0.0331	0.943	0.0117	0.7053	0.014	0.9661	0.0174	0.8869	0.0005	0.0063
	0 - 10	0.0189	0.9057	0.0097	0.5054	0.0232	0.9493	-0.0115	0.4142	0.0334	0.9722

		2007	2005	1986	1982	1976
		Slope	Slope	Slope	Slope	Slope
Cross Section (1)	-40 - -30	0.2356	0.1067	0.1581	0.0508	0.0903
	-30 - -20			0.1016		0.0272
	-20 - -10				0.0264	0.0181
	-10 - 0	0.191	0.0756			
	0 - 10		0.1632			
Cross Section (2)	-40 - -30		0.4521	0.0324	0.0226	
	-30 - -20	0.0182	0.2709			
	-20 - -10				0.028	0.0233
	-10 - 0	0.088		0.0154		
	0 - 10				0.0227	
Cross Section (3)	-30 - -20	0.0464		0.0185	0.0131	0.0197
	-20 - -10		0.0133		0.0374	0.0253
	-10 - 0			0.021	0.035	0.0143
	0 - 10	0.1028		0.0323		0.0193
Cross Section (4)	-30 - -20					0.0333
	-20 - -10			0.0127	0.0345	0.0385
	-10 - 0				0.0399	0.0291
	0 - 10	0.0517	0.0341			
Cross Section (5)	-50 - -40	0.1343	0.0525			
	-40 - -30	0.1747	0.2654		0.0276	
	-30 - -20		0.0551		0.0425	0.112
	-20 - -10		0.012	0.0181	0.0309	0.021
	-10 - 0			0.0275	0.0292	0.0161
	0 - 10	0.0414	0.0377	0.0094		0.0084
Cross Section (6)	-40 - -30			0.073		
	-30 - -20		0.175		0.0426	
	-20 - -10	0.0123	0.0195	0.0267	0.0279	0.028
	-10 - 0	0.0249	0.0176	0.033	0.0297	0.0168
	0 - 10			0.008	0.014	0.0091

Cross Section (7)	-40 - -30			0.0517	0.0306	0.0351
	-30 - -20			0.0379		0.0437
	-20 - -10				0.0283	0.0169
	-10 - 0	0.0295		0.0415	0.0191	0.0189
	0 - 10				0.018	0.0157
Cross Section (8)	-40 - -30					
	-30 - -20	0.0785	0.037	0.0282	0.0426	0.0549
	-20 - -10	0.014	0.0231	0.0361	0.0383	0.0119
	-10 - 0	0.0328	0.0178	0.0302	0.0134	0.016
	0 - 10					0.026
Cross Section (9)	-40 - -30	0.053	0.2521		0.0528	
	-30 - -20			0.0241	0.044	
	-20 - -10	0.0262		0.0382	0.0515	
	-10 - 0	0.0205	0.0166	0.0308		0.0111
	0 - 10					
Cross Section (10)	-40 - -30			0.0621	0.0705	
	-30 - -20	0.0269		0.0256	0.0445	
	-20 - -10	0.0362		0.0348	0.0329	0.0232
	-10 - 0			0.0259	0.0298	
	0 - 10				-0.0222	0.0625
Cross Section (11)	-40 - -30	0.0419	0.0851		0.0636	
	-30 - -20	0.1019	0.0627	0.0729		
	-20 - -10		0.0515	0.0255	0.0341	
	-10 - 0			0.02	0.0234	
	0 - 10	0.039				0.0872
Cross Section (12)	-40 - -30	0.0419				
	-30 - -20		0.0531	0.0247	0.0459	
	-20 - -10	0.0226	0.0294	0.0168	0.0333	
	-10 - 0	0.0242	0.0188	0.0191	0.013	
	0 - 10	0.0155	0.0116			

Cross Section (13)	-40 - -30			0.0483		
	-30 - -20	0.0452	0.0565		0.0299	
	-20 - -10			0.0447	0.0151	0.0112
	-10 - 0	0.0513		0.016	0.0116	
	0 - 10		0.0161	0.0169		0.0994
Cross Section (14)	-30 - -20		0.0253	0.0281		
	-20 - -10		0.0192	0.0213	0.0099	
	-10 - 0	0.023		0.0152	0.0135	
	0 - 10			0.0197		0.1521
Cross Section (15)	-30 - -20	0.0126	0.0236	0.0368		0.012
	-20 - -10	0.0091	0.009	0.017		
	-10 - 0	0.0331		0.014	0.0174	
	0 - 10			0.0232		0.0334

		Average	Std. Deviation	Average	Std. Deviation	Diff. in Slope	% Difference	Change / Normal Dev.
Cross Section (1)	-40 - -30	0.1712	0.0911	0.0997	0.0543	7.14	52.73	1.32
	-30 - -20	#DIV/0!	#DIV/0!	0.0644	0.0526	#DIV/0!	#DIV/0!	#DIV/0!
	-20 - -10	#DIV/0!	#DIV/0!	0.0223	0.0059	#DIV/0!	#DIV/0!	#DIV/0!
	-10 - 0	0.1333	0.0816	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	0 - 10	0.1632	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Cross Section (2)	-40 - -30	0.4521	#DIV/0!	0.0275	0.0069	42.46	177.06	61.27
	-30 - -20	0.1446	0.1787	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-20 - -10	#DIV/0!	#DIV/0!	0.0257	0.0033	#DIV/0!	#DIV/0!	#DIV/0!
	-10 - 0	0.0880	#DIV/0!	0.0154	#DIV/0!	7.26	140.43	#DIV/0!
	0 - 10	#DIV/0!	#DIV/0!	0.0227	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Cross Section (3)	-30 - -20	0.0464	#DIV/0!	0.0171	0.0035	2.93	92.28	8.33
	-20 - -10	0.0133	#DIV/0!	0.0314	0.0086	-1.81	-80.85	-2.11
	-10 - 0	#DIV/0!	#DIV/0!	0.0234	0.0106	#DIV/0!	#DIV/0!	#DIV/0!
	0 - 10	0.1028	#DIV/0!	0.0258	0.0092	7.70	119.75	8.38
Cross Section (4)	-30 - -20	#DIV/0!	#DIV/0!	0.0333	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-20 - -10	#DIV/0!	#DIV/0!	0.0286	0.0139	#DIV/0!	#DIV/0!	#DIV/0!
	-10 - 0	#DIV/0!	#DIV/0!	0.0345	0.0076	#DIV/0!	#DIV/0!	#DIV/0!
	0 - 10	0.0429	0.0124	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Cross Section (5)	-50 - -40	0.0934	0.0578	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-40 - -30	0.2201	0.0641	0.0276	#DIV/0!	19.25	155.42	#DIV/0!
	-30 - -20	0.0551	#DIV/0!	0.0773	0.0491	-2.22	-33.47	-0.45
	-20 - -10	0.0120	#DIV/0!	0.0233	0.0067	-1.13	-64.15	-1.69
	-10 - 0	#DIV/0!	#DIV/0!	0.0243	0.0071	#DIV/0!	#DIV/0!	#DIV/0!
	0 - 10	0.0396	0.0026	0.0089	0.0007	3.07	126.52	43.35
Cross Section (6)	-40 - -30	#DIV/0!	#DIV/0!	0.0730	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-30 - -20	0.1750	#DIV/0!	0.0426	#DIV/0!	13.24	121.69	#DIV/0!
	-20 - -10	0.0159	0.0051	0.0275	0.0007	-1.16	-53.57	-16.08
	-10 - 0	0.0213	0.0052	0.0265	0.0086	-0.53	-21.99	-0.61
	0 - 10	#DIV/0!	#DIV/0!	0.0104	0.0032	#DIV/0!	#DIV/0!	#DIV/0!

Cross Section (7)	-40 - -30	#DIV/0!	#DIV/0!	0.0391	0.0111	#DIV/0!	#DIV/0!	#DIV/0!
	-30 - -20	#DIV/0!	#DIV/0!	0.0408	0.0041	#DIV/0!	#DIV/0!	#DIV/0!
	-20 - -10	#DIV/0!	#DIV/0!	0.0226	0.0081	#DIV/0!	#DIV/0!	#DIV/0!
	-10 - 0	0.0295	#DIV/0!	0.0265	0.0130	0.30	10.71	0.23
	0 - 10	#DIV/0!	#DIV/0!	0.0169	0.0016	#DIV/0!	#DIV/0!	#DIV/0!
Cross Section (8)	-40 - -30	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-30 - -20	0.0578	0.0293	0.0419	0.0134	1.59	31.81	1.19
	-20 - -10	0.0186	0.0064	0.0288	0.0146	-1.02	-43.18	-0.70
	-10 - 0	0.0253	0.0106	0.0199	0.0090	0.54	24.06	0.60
	0 - 10	#DIV/0!	#DIV/0!	0.0260	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Cross Section (9)	-40 - -30	0.1526	0.1408	0.0528	#DIV/0!	9.98	97.15	#DIV/0!
	-30 - -20	#DIV/0!	#DIV/0!	0.0341	0.0141	#DIV/0!	#DIV/0!	#DIV/0!
	-20 - -10	0.0262	#DIV/0!	0.0449	0.0094	-1.87	-52.50	-1.98
	-10 - 0	0.0186	0.0028	0.0210	0.0139	-0.24	-12.15	-0.17
	0 - 10	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Cross Section (10)	-40 - -30	#DIV/0!	#DIV/0!	0.0663	0.0059	#DIV/0!	#DIV/0!	#DIV/0!
	-30 - -20	0.0269	#DIV/0!	0.0351	0.0134	-0.82	-26.31	-0.61
	-20 - -10	0.0362	#DIV/0!	0.0303	0.0062	0.59	17.74	0.95
	-10 - 0	#DIV/0!	#DIV/0!	0.0279	0.0028	#DIV/0!	#DIV/0!	#DIV/0!
	0 - 10	#DIV/0!	#DIV/0!	0.0202	0.0599	#DIV/0!	#DIV/0!	#DIV/0!
Cross Section (11)	-40 - -30	0.0635	0.0305	0.0636	#DIV/0!	-0.01	-0.16	#DIV/0!
	-30 - -20	0.0823	0.0277	0.0729	#DIV/0!	0.94	12.11	#DIV/0!
	-20 - -10	0.0515	#DIV/0!	0.0298	0.0061	2.17	53.38	3.57
	-10 - 0	#DIV/0!	#DIV/0!	0.0217	0.0024	#DIV/0!	#DIV/0!	#DIV/0!
	0 - 10	0.0390	#DIV/0!	0.0872	#DIV/0!	-4.82	-76.39	#DIV/0!
Cross Section (12)	-40 - -30	0.0419	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-30 - -20	0.0531	#DIV/0!	0.0353	0.0150	1.78	40.27	1.19
	-20 - -10	0.0260	0.0048	0.0251	0.0117	0.09	3.72	0.08
	-10 - 0	0.0215	0.0038	0.0161	0.0043	0.55	29.03	1.26
	0 - 10	0.0136	0.0028	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Cross Section (13)	-40 - -30	#DIV/0!	#DIV/0!	0.0483	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-30 - -20	0.0509	0.0080	0.0299	#DIV/0!	2.10	51.89	#DIV/0!
	-20 - -10	#DIV/0!	#DIV/0!	0.0237	0.0183	#DIV/0!	#DIV/0!	#DIV/0!
	-10 - 0	0.0513	#DIV/0!	0.0138	0.0031	3.75	115.21	12.05
	0 - 10	0.0161	#DIV/0!	0.0582	0.0583	-4.21	-113.27	-0.72
Cross Section (14)	-30 - -20	0.0253	#DIV/0!	0.0281	#DIV/0!	-0.28	-10.49	#DIV/0!
	-20 - -10	0.0192	#DIV/0!	0.0156	0.0081	0.36	20.69	0.45
	-10 - 0	0.0230	#DIV/0!	0.0144	0.0012	0.87	46.32	7.20
	0 - 10	#DIV/0!	#DIV/0!	0.0859	0.0936	#DIV/0!	#DIV/0!	#DIV/0!
Cross Section (15)	-30 - -20	0.0181	0.0078	0.0244	0.0175	-0.63	-29.65	-0.36
	-20 - -10	0.0091	0.0001	0.0170	#DIV/0!	-0.80	-61.04	#DIV/0!
	-10 - 0	0.0331	#DIV/0!	0.0157	0.0024	1.74	71.31	7.24
	0 - 10	#DIV/0!	#DIV/0!	0.0283	0.0072	#DIV/0!	#DIV/0!	#DIV/0!

Price Bend

Taking all data in account (30 years)

	2007	2005	1986	1982	1976	Average	Standard Deviation	
Right of Weir 29.6 (10)	Area/below 0	22370.07	22727.86	18496.27	23883.97	18735.62	21242.759	2463.80
	Area/below 10	35078.70	35048.60	30156.73	35237.63	28825.52	32869.438	3120.50
	Depth	-27.43	-29.61	-39.12	-48.12	-33.39	-35.534	8.32
	Slope	0.025	0.029	0.047	0.059	0.036	0.039	0.01
	Width	1371.77	1343.53	1402.72	1510.51	1017.80	1329.265	185.24
	Width/below 0	1207.71	1155.80	927.34	1044.75	997.42	1066.604	114.59
	Width/below10	1321.70	1289.75	1402.72	1234.46	1017.80	1253.287	145.04
	Wetted Perm./0	1214.93	1166.25	957.05	1051.81	1007.08	1079.423	108.25
	Wetted Perm./10	1331.21	1302.77	1444.52	1243.08	1040.57	1272.432	148.84
	Area/below 0	22802.26	27030.05	20645.47	24679.25	20498.86	23131.177	2775.51
	Area/below 10	35268.01	38495.31	32387.71	34763.35	30773.03	34337.479	2951.34
	Depth	-31.29	-45.36	-38.74	-55.17	-32.90	-40.689	9.80
	Slope	0.050	0.083	0.052	0.075	0.051	0.062	0.02
Weir 29.8-29.6 (9)	Width	1371.72	1305.15	1478.14	1500.52	1111.25	1353.354	156.93
	Width/below 0	1177.17	1038.94	849.93	925.25	932.96	984.852	126.84
	Width/below10	1320.78	1241.49	1478.14	1085.72	1111.25	1247.476	160.73
	Wetted Perm./0	1182.05	1056.70	850.60	936.45	939.27	993.014	128.61
	Wetted Perm./10	1327.61	1265.75	1513.36	1098.76	1123.48	1265.792	168.27
	Area/below 0	25622.42	21411.31	22901.34	19905.70	18314.40	21631.032	2809.36
	Area/below 10	38129.41	32693.41	35230.10	29575.18	29524.29	33030.479	3714.28
	Depth	-40.02	-34.47	-44.42	-47.87	-32.12	-39.782	6.60
	Slope	0.071	0.048	0.077	0.091	0.045	0.066	0.02
Weir 29.9-29.8 (8)	Width	1426.02	1556.63	1635.01	1632.82	1310.26	1512.147	141.26
	Width/below 0	1141.06	1034.02	825.33	810.87	957.28	953.713	140.04
	Width/below10	1348.11	1239.26	1635.01	1133.25	1310.26	1333.176	187.51
	Wetted Perm./0	1148.34	1048.13	848.07	818.85	962.73	965.225	137.44
	Wetted Perm./10	1357.53	1261.93	1669.26	1142.82	1321.17	1350.540	195.89

Weir 30.0-29.9 (7)	Area/below 0	26380.19	23264.96	17951.42	19173.40	17137.85	20781.563	3917.41
	Area/below 10	40498.90	35960.45	31563.56	30356.32	30432.16	33762.280	4408.48
	Depth	-46.13	-35.52	-37.80	-44.44	-32.12	-39.201	5.94
	Slope	0.047	0.042	0.055	0.067	0.038	0.050	0.01
	Width	1740.60	1688.61	1702.97	1693.71	1680.15	1701.205	23.52
	Width/below 0	1277.72	1116.30	887.64	951.91	1045.50	1055.815	151.73
	Width/below10	1663.89	1586.91	1702.97	1297.22	1680.15	1586.228	167.34
	Wetted Perm./0	1285.56	1128.28	901.48	960.13	1050.87	1065.266	150.49
	Wetted Perm./10	1674.18	1613.18	1729.66	1307.19	1693.18	1603.477	170.92
	Area/below 0	23477.91	19823.73	20089.15	20202.87	18569.15	20432.561	1822.62
Weir 30.1-30.0 (6)	Area/below 10	38888.30	33554.36	34160.36	32347.55	31866.45	34163.403	2795.93
	Depth	-34.59	-29.67	-50.83	-50.76	-38.63	-40.894	9.58
	Slope	0.029	0.028	0.056	0.062	0.042	0.043	0.02
	Width	1912.93	1882.91	1923.77	1936.79	1918.33	1914.948	19.98
	Width/below 0	1317.53	1160.44	1044.71	1042.94	1118.07	1136.738	112.76
	Width/below10	1854.91	1781.60	1923.77	1454.71	1918.33	1786.664	194.30
	Wetted Perm./0	1324.31	1171.28	1058.89	1051.86	1123.04	1145.873	111.14
	Wetted Perm./10	1863.79	1797.98	1948.03	1465.10	1933.89	1801.759	197.52
	Area/below 0	19624.31	18487.90	17735.56	12779.87	13862.01	16497.930	3001.58
	Area/below 10	33366.76	32761.59	32445.89	25261.13	26654.80	30098.033	3825.67
Weir 30.2- 30.1 (5)	Depth	-22.55	-26.75	-45.70	-26.35	-32.67	-30.806	9.08
	Slope	0.078	0.026	0.050	0.045	0.038	0.048	0.02
	Width	1879.17	2057.77	2091.62	2057.38	1886.63	1994.512	102.87
	Width/below 0	1138.30	1126.80	1084.52	968.81	917.44	1047.175	98.76
	Width/below10	1826.41	1781.43	1984.28	1594.88	1886.63	1814.726	144.48
	Wetted Perm./0	1144.60	1136.93	1095.34	972.97	929.08	1055.784	98.68
	Wetted Perm./10	1835.13	1799.64	2005.18	1600.43	1903.78	1828.831	149.81

Weir 30.3-30.2 (4)	Area/below 0	21527.85	21074.07	16031.42	18335.12	14196.23	18232.938	3165.46
	Area/below 10	36404.45	35658.84	30160.60	30465.40	28753.80	32288.618	3487.34
	Depth	-42.07	-43.25	-31.22	-32.94	-29.62	-35.822	6.37
	Slope	0.151	0.124	0.040	0.050	0.034	0.080	0.05
	Width	1940.05	1983.74	1936.64	1940.48	1934.13	1947.007	20.70
	Width/below 0	1035.74	1109.15	1022.53	1003.40	961.47	1026.460	54.07
	Width/below10	1851.24	1813.05	1885.47	1674.29	1934.13	1831.636	98.60
	Wetted Perm./0	1047.08	1126.66	1029.61	1008.80	968.46	1036.121	58.49
	Wetted Perm./10	1865.36	1843.38	1902.61	1681.61	1944.11	1847.414	100.28
	Weir 30.5-30.3 (3)	Area/below 0	24003.39	23335.55	16887.34	17833.02	17630.46	19937.951
Area/below 10		39963.18	37975.51	31622.94	28403.04	33755.49	34344.034	4685.31
Depth		-51.69	-62.49	-34.57	-41.95	-32.55	-44.649	12.48
Slope		0.107	0.114	0.039	0.061	0.034	0.071	0.04
Width		2017.48	2069.32	2051.83	2079.51	2107.88	2065.204	33.54
Width/below 0		1009.78	1049.94	1030.98	874.45	1128.23	1018.676	92.21
Width/below10		1884.08	1868.08	1998.79	1669.08	2107.88	1905.579	163.87
Wetted Perm./0		1020.26	1068.45	1039.01	883.10	1135.33	1029.230	92.63
Wetted Perm./10		1896.16	1895.04	2016.88	1679.22	2118.89	1921.237	164.40
Weir 30.55-30.5 (2)		Area/below 0	21503.16	18708.18	15660.59	8909.36	15642.31	16084.721
	Area/below 10	37959.66	33888.76	32177.34	21437.47	33507.20	31794.083	6179.46
	Depth	-57.88	-39.46	-35.34	-25.15	-27.12	-36.990	13.06
	Slope	0.073	0.050	0.034	0.042	0.026	0.045	0.02
	Width	2087.77	2155.19	2207.19	2215.76	2259.46	2185.072	65.81
	Width/below 0	1192.98	1113.30	1181.44	935.44	1404.76	1165.583	168.75
	Width/below10	1994.04	1925.75	2207.19	1947.19	2259.46	2066.725	155.18
	Wetted Perm./0	1209.11	1123.81	1189.11	938.30	1407.74	1173.613	168.94
	Wetted Perm./10	2012.23	1942.56	2225.50	1951.38	2273.58	2081.051	157.05

Left of Weir 30.55-30.5 (1)	Area/below 0	18347.36	16850.27	15394.46	17137.66	17100.03	16965.957	1053.41
	Area/below 10	36220.81	33927.88	34702.24	33794.13	35806.76	34890.362	1092.40
	Depth	-36.86	-33.03	-26.01	-35.65	-21.59	-30.630	6.57
	Slope	0.029	0.032	0.021	0.041	0.020	0.029	0.01
	Width	2195.26	2175.36	2166.83	2190.82	2200.01	2185.656	14.01
	Width/below 0	1468.77	1284.31	1465.82	1163.76	1591.30	1394.793	169.35
	Width/below10	2002.64	1980.51	2166.83	2152.93	2200.01	2100.585	101.27
	Wetted Perm./0	1477.25	1296.23	1471.08	1168.78	1596.94	1402.057	168.83
	Wetted Perm./10	2013.36	1996.87	2187.27	2160.03	2216.06	2114.718	102.16

Only 1986-1976(Before Weirs were built)

		Average	Standard Deviation
Right of Weir 29.6 (10)	Area/below 0	20371.96	3043.85
	Area/below 10	31406.63	3383.86
	Depth	-40.21	7.43
	Slope	0.047	0.01
	Width	1310.34	259.02
	Width/below 0	989.84	59.07
	Width/below10	1218.33	192.97
	Wetted Perm./0	1005.31	47.40
	Wetted Perm./10	1242.73	201.97
Weir 29.8-29.6 (9)	Area/below 0	21941.19	2372.36
	Area/below 10	32641.36	2007.22
	Depth	-42.27	11.55
	Slope	0.060	0.01
	Width	1363.30	218.57
	Width/below 0	902.72	45.87
	Width/below10	1225.04	219.56
	Wetted Perm./0	908.77	50.40
	Wetted Perm./10	1245.20	232.56
Weir 29.9-29.8 (8)	Area/below 0	20373.81	2329.03
	Area/below 10	31443.19	3279.66
	Depth	-41.47	8.28
	Slope	0.071	0.02
	Width	1526.03	186.87
	Width/below 0	864.49	80.68
	Width/below10	1359.51	254.48
	Wetted Perm./0	876.55	76.05
	Wetted Perm./10	1377.75	267.74

Weir 30.0-29.9 (7)	Area/below 0	18087.56	1024.58
	Area/below 10	30784.02	676.17
	Depth	-38.12	6.17
	Slope	0.053	0.01
	Width	1692.27	11.48
	Width/below 0	961.68	79.38
	Width/below10	1560.11	227.96
	Wetted Perm./0	970.83	75.27
	Wetted Perm./10	1576.67	234.10
Weir 30.1-30.0 (6)	Area/below 0	19620.39	912.17
	Area/below 10	32791.45	1209.67
	Depth	-46.74	7.02
	Slope	0.053	0.01
	Width	1926.30	9.49
	Width/below 0	1068.57	42.87
	Width/below10	1765.60	269.26
	Wetted Perm./0	1077.93	39.22
	Wetted Perm./10	1782.34	274.83
Weir 30.2- 30.1 (5)	Area/below 0	14792.48	2605.58
	Area/below 10	28120.60	3810.07
	Depth	-34.91	9.87
	Slope	0.045	0.01
	Width	2011.88	109.81
	Width/below 0	990.26	85.58
	Width/below10	1821.93	202.61
	Wetted Perm./0	999.13	86.16
	Wetted Perm./10	1836.46	210.61

Weir 30.3-30.2 (4)	Area/below 0	16187.59	2073.86
	Area/below 10	29793.27	913.02
	Depth	-31.26	1.66
	Slope	0.041	0.01
	Width	1937.08	3.20
	Width/below 0	995.80	31.23
	Width/below10	1831.30	138.13
	Wetted Perm./0	1002.29	31.09
	Wetted Perm./10	1842.78	141.11
Weir 30.5-30.3 (3)	Area/below 0	17450.27	497.92
	Area/below 10	31260.49	2694.57
	Depth	-36.35	4.95
	Slope	0.044	0.01
	Width	2079.74	28.02
	Width/below 0	1011.22	128.04
	Width/below10	1925.25	228.46
	Wetted Perm./0	1019.15	127.28
	Wetted Perm./10	1938.33	230.12
Weir 30.55-30.5 (2)	Area/below 0	13404.09	3892.55
	Area/below 10	29040.67	6618.05
	Depth	-29.21	5.41
	Slope	0.034	0.01
	Width	2227.47	28.04
	Width/below 0	1173.88	234.75
	Width/below10	2137.95	167.26
	Wetted Perm./0	1178.38	234.90
	Wetted Perm./10	2150.15	173.81

Left of Weir 30.55-30.5 (1)	Area/below 0	16544.05	995.75
	Area/below 10	34767.71	1007.91
	Depth	-27.75	7.19
	Slope	0.027	0.01
	Width	2185.89	17.13
	Width/below 0	1406.96	219.76
	Width/below10	2173.26	24.19
	Wetted Perm./0	1412.27	220.05
	Wetted Perm./10	2187.79	28.02

Only 2007 and 2005 (After Weirs were built)

Before and after

		Average	Standard Deviation
Right of Weir 29.6 (10)	Area/below 0	22548.96	252.99
	Area/below 10	35063.65	21.28
	Depth	-28.52	1.54
	Slope	0.027	0.00
	Width	1357.65	19.97
	Width/below 0	1181.76	36.71
	Width/below10	1305.72	22.59
	Wetted Perm./0	1190.59	34.42
	Wetted Perm./10	1316.99	20.11
Weir 29.8-29.6 (9)	Area/below 0	24916.15	2989.50
	Area/below 10	36881.66	2282.05
	Depth	-38.32	9.95
	Slope	0.067	0.02
	Width	1338.43	47.07
	Width/below 0	1108.06	97.74
	Width/below10	1281.13	56.07
	Wetted Perm./0	1119.38	88.63
	Wetted Perm./10	1296.68	43.74
Weir 29.9-29.8 (8)	Area/below 0	23516.86	2977.70
	Area/below 10	35411.41	3843.83
	Depth	-37.25	3.93
	Slope	0.059	0.02
	Width	1491.32	92.35
	Width/below 0	1087.54	75.69
	Width/below10	1293.68	76.97
	Wetted Perm./0	1098.24	70.86
	Wetted Perm./10	1309.73	67.60

Differences	Percent Difference
2177.01	10.1
3657.02	11.0
11.69	-34.0
-0.02	55.7
47.30	3.5
191.92	17.7
87.39	6.9
185.27	16.9
74.26	5.8
2974.96	12.7
4240.30	12.2
3.94	-9.8
0.01	11.1
-24.87	1.8
205.34	20.4
56.10	4.5
210.60	20.8
51.48	4.1
3143.05	14.3
3968.22	11.9
4.22	-10.7
-0.01	17.5
-34.71	2.3
223.05	22.9
-65.82	5.0
221.69	22.5
-68.02	5.1

Weir 30.0-29.9 (7)	Area/below 0	24822.57	2202.80
	Area/below 10	38229.68	3209.17
	Depth	-40.82	7.51
	Slope	0.044	0.00
	Width	1714.60	36.76
	Width/below 0	1197.01	114.14
	Width/below10	1625.40	54.43
	Wetted Perm./0	1206.92	111.22
	Wetted Perm./10	1643.68	43.13
Weir 30.1-30.0 (6)	Area/below 0	21650.82	2583.89
	Area/below 10	36221.33	3771.67
	Depth	-32.13	3.48
	Slope	0.028	0.00
	Width	1897.92	21.23
	Width/below 0	1238.98	111.07
	Width/below10	1818.26	51.84
	Wetted Perm./0	1247.79	108.21
	Wetted Perm./10	1830.89	46.53
Weir 30.2- 30.1 (5)	Area/below 0	19056.10	803.56
	Area/below 10	33064.18	427.92
	Depth	-24.65	2.97
	Slope	0.052	0.04
	Width	1968.47	126.29
	Width/below 0	1132.55	8.13
	Width/below10	1803.92	31.81
	Wetted Perm./0	1140.76	5.42
	Wetted Perm./10	1817.38	25.10

6735.01	31.4
7445.66	21.6
-2.70	-6.8
-0.01	18.3
22.33	1.3
235.33	21.8
65.29	4.1
236.09	21.7
67.00	4.2
2030.43	9.8
3429.88	9.9
14.61	-37.1
-0.02	60.6
-28.37	1.5
170.41	14.8
52.65	2.9
169.87	14.6
48.54	2.7
4263.63	25.2
4943.57	16.2
10.26	-34.4
0.01	15.5
-43.41	2.2
142.30	13.4
-18.01	1.0
141.63	13.2
-19.08	1.0

Weir 30.3-30.2 (4)	Area/below 0	21300.96	320.87
	Area/below 10	36031.65	527.23
	Depth	-42.66	0.84
	Slope	0.138	0.02
	Width	1961.90	30.89
	Width/below 0	1072.45	51.91
	Width/below10	1832.15	27.01
	Wetted Perm./0	1086.87	56.27
	Wetted Perm./10	1854.37	15.54
Weir 30.5-30.3 (3)	Area/below 0	23669.47	472.23
	Area/below 10	38969.34	1405.50
	Depth	-57.09	7.64
	Slope	0.110	0.01
	Width	2043.40	36.66
	Width/below 0	1029.86	28.40
	Width/below10	1876.08	11.31
	Wetted Perm./0	1044.36	34.07
	Wetted Perm./10	1895.60	0.79
Weir 30.55-30.5 (2)	Area/below 0	20105.67	1976.35
	Area/below 10	35924.21	2878.56
	Depth	-48.67	13.02
	Slope	0.061	0.02
	Width	2121.48	47.67
	Width/below 0	1153.14	56.34
	Width/below10	1959.89	48.29
	Wetted Perm./0	1166.46	60.32
	Wetted Perm./10	1977.40	49.26

5113.37	27.3
6238.38	19.0
-11.40	-30.8
0.10	107.3
24.81	1.3
76.64	7.4
0.85	0.0
84.58	8.1
11.59	0.6
6219.20	30.2
7708.85	22.0
-20.74	-44.4
0.07	85.2
-36.34	1.8
18.63	1.8
-49.17	2.6
25.21	2.4
-42.73	2.2
6701.59	40.0
6883.54	21.2
-19.46	-50.0
0.03	58.5
-105.99	4.9
-20.74	1.8
-178.05	8.7
-11.92	1.0
-172.76	8.4

Left of Weir 30.55-30.5 (1)	Area/below 0	17598.82	1058.60
	Area/below 10	35074.34	1621.35
	Depth	-34.95	2.71
	Slope	0.030	0.00
	Width	2185.31	14.08
	Width/below 0	1376.54	130.43
	Width/below10	1991.58	15.65
	Wetted Perm./0	1386.74	128.00
	Wetted Perm./10	2005.11	11.66

1054.77	6.2
306.64	0.9
-7.19	-22.9
0.00	9.5
-0.58	0.0
-30.42	2.2
-181.68	8.7
-25.53	1.8
-182.67	8.7

		2007		2005		1986		1982		1976	
		Slope	R2 Value	Slope	R2 Value	Slope	R2 Value	Slope	R2 Value	Slope	R2 Value
Cross Section (1)	-40 - -30	0.0778	0.9235	0.0925	0.9869			0.1143	1		
	-30 - -20	0.0503	0.9464	0.0307	0.9407	0.0446	1	0.0294	0.8688	0.0561	1
	-20 - -10	0.0459	0.9398	0.032	0.9113	0.0335	0.9549	0.0569	0.9988	0.023	0.9626
	-10 - 0	0.0112	0.9585	0.0181	0.9317	0.0124	0.9708	0.0286	0.9783	0.0146	0.9507
	0 - 10	0.0157	0.9468	0.0124	0.9426	0.0057	0.7387	0.0086	0.8364	0.0179	0.9656
Cross Section (2)	-60 - -50	0.1141	0.7884								
	-50 - -40	0.2734	1								
	-40 - -30	0.2284	0.9729	0.1085	0.8124	0.032	0.6128				
	-30 - -20	0.1374	0.9715	0.0945	0.9949	0.0836	0.9991	0.0854	1	0.0574	0.9999
	-20 - -10	0.0693	0.9225	0.0542	0.9573	0.042	0.8709	0.051	0.9889	0.0361	0.9514
	-10 - 0	0.0171	0.9378	0.0237	0.9438	0.019	0.9511	0.0287	0.9998	0.0157	0.9807
	0 - 10	0.0103	0.9648	0.0128	0.9757	0.0089	0.9941	0.0082	0.5023	0.014	0.9261
Cross Section (3)	-70 - -60			0.1884	1						
	-60 - -50	0.0667	0.7987								
	-50 - -40	0.156	0.9587	0.2124	0.9689			0.0548	0.9549		
	-40 - -30	0.174	0.9847	0.226	0.9679	0.0197	0.9066			0.0413	0.9997
	-30 - -20	0.1723	0.9969	0.1753	0.992	0.0377	0.9282	0.0469	0.8935	0.0541	0.9902
	-20 - -10	0.1525	0.9848	0.1029	0.9917	0.0377	0.9282			0.0313	0.9863
	-10 - 0	0.0403	0.8712	0.0363	0.9557	0.0299	0.9832	0.0426	0.9986	0.0266	0.9892
	0 - 10	0.0085	0.8676	0.0119	0.9827	0.0119	0.9891	0.0253	0.9122	0.0118	0.9872
Cross Section (4)	-50 - -40	0.0529	0.9917	0.1599	0.9205						
	-40 - -30	0.1016	0.9447	0.1765	0.9271	0.0606	1	0.0698	1		
	-30 - -20	0.1841	0.9962	0.1669	0.9849	0.0514	0.9852	0.0488	0.9238	0.0407	0.9817
	-20 - -10	0.224	0.9995	0.1764	0.9902	0.0397	0.9885	0.0519	0.9635	0.0335	0.9946
	-10 - 0	0.1975	0.9788	0.0573	0.9507	0.0322	0.9945	0.0365	0.9476	0.0317	0.9511
	0 - 10	0.005	0.697	0.0133	0.9544	0.0128	0.9771	0.0225	0.9407	0.0103	0.9519

Cross Section (5)	-50 - -40					0.2894	0.962				
	-40 - -30					0.2955	0.9702			0.039	1
	-30 - -20	0.0227	0.6044	0.0177	0.4517	0.0345	0.9279	0.0729	0.9998	0.0611	0.9796
	-20 - -10	0.0699	0.6842	0.0036	0.253	0.044	0.9928	0.0277	0.8427	0.0383	0.9833
	-10 - 0	0.1329	0.9798	0.0954	0.9905	0.0277	0.9945	0.0433	0.9747	0.0271	0.9603
	0 - 10	0.0095	0.6095	0.0133	0.9211	0.0267	0.9754	0.018	0.9702	0.0082	0.9082
Cross Section (6)	-60 - -50					0.0315	1				
	-50 - -40					0.0673	0.9307				
	-40 - -30	0.0542	0.9897							0.0655	0.933
	-30 - -20	0.0312	0.9625	0.0093	0.3036	0.0624	0.9778			0.0667	0.9795
	-20 - -10	0.0102	0.7166	0.0224	0.9009	0.0355	0.9865	0.033	0.8357	0.0269	0.9827
	-10 - 0	0.0625	0.9925	0.0406	0.9072	0.0333	0.992	0.0361	0.9834	0.0356	0.9893
	0 - 10	0.0172	0.9323	0.0191	0.8386	0.0105	0.9801	0.0261	0.9448	0.0105	0.7683
Cross Section (7)	-50 - -40	0.0778	0.9093					0.1201	1		
	-40 - -30	0.0939	0.9913	0.0203	0.9373	0.0776	1	0.1326	0.9738	0.0845	1
	-30 - -20	0.0671	0.9949	0.0753	0.9727	0.0377	0.854	0.085	0.9739	0.0353	0.9845
	-20 - -10	0.0297	0.9649	0.0513	0.9786	0.053	1	0.0636	0.9969	0.0346	0.9816
	-10 - 0	0.0311	0.914	0.0296	0.7495	0.059	0.9967	0.0361	0.9713	0.0393	1
	0 - 10	0.0384	0.8706	0.0175	0.868	0.0085	0.9571	0.0335	0.9916	0.0134	0.9296
Cross Section (8)	-50 - -40	0.1172	1			0.0695	0.9286	0.1769	0.7695		
	-40 - -30	0.0837	0.9805	0.0456	0.9667	0.0564	0.994	0.0665	0.9677	0.0268	0.9411
	-30 - -20	0.1744	0.9919	0.028	0.8787	0.0921	0.9176	0.053	0.9983	0.0452	0.9913
	-20 - -10	0.063	0.9829	0.0536	0.9838	0.0513	0.9731			0.0443	0.9769
	-10 - 0	0.041	0.9895	0.041	0.784			0.065	0.9978	0.0556	0.9928
	0 - 10	0.0555	0.9968	0.0581	0.9638	0.0099	0.9814	0.0362	0.993	0.0252	0.9612
Cross Section (9)	-60 - -50							0.0587	0.7232		
	-50 - -40			0.0214	0.3595						
	-40 - -30	0.0236	0.8157	0.0969	0.9591	0.03	0.945	0.0489	0.771	0.0216	0.6988
	-30 - -20	0.0907	0.9687	0.1709	0.9938	0.0754	0.9857	0.0499	0.9775	0.0462	0.9703
	-20 - -10	0.0485	0.9606	0.1367	0.9957	0.0475	0.6754	0.0682	0.9878	0.0307	.87.31
	-10 - 0	0.0351	0.9581	0.0433	0.8472	0.0709	0.989	0.0781	0.9875		
	0 - 10	0.1002	0.993	0.0515	0.9929	0.013	0.9914	0.0647	0.9526	0.0373	0.9832

Cross Section (10)	-50 - -40							0.1237	1		
	-40 - -30					0.0903	0.9981	0.0885	0.948	0.0729	0.8923
	-30 - -20	0.007	0.771	0.0118	0.8062	0.0498	0.9641	0.0326	0.9979	0.0243	0.9263
	-20 - -10	0.0303	0.9216	0.0558	0.9794	0.0269	0.9151	0.0503	0.9879	0.0218	0.9223
	-10 - 0	0.0842	0.9826	0.0843	0.9902	0.0553	0.9641	0.0716	1	0.1067	0.9442
	0 - 10	0.1405	0.972	0.0836	0.9657	0.0155	0.9599	0.0732	1		

		2007	2005	1986	1982	1976
		Slope	Slope	Slope	Slope	Slope
Cross Section (1)	-40 - -30	0.0778	0.0925		0.1143	
	-30 - -20	0.0503	0.0307	0.0446	0.0294	0.0561
	-20 - -10	0.0459	0.032	0.0335	0.0569	0.023
	-10 - 0	0.0112	0.0181	0.0124	0.0286	0.0146
	0 - 10	0.0157	0.0124		0.0086	0.0179
Cross Section (2)	-60 - -50					
	-50 - -40	0.2734				
	-40 - -30	0.2284	0.1085			
	-30 - -20	0.1374	0.0945	0.0836	0.0854	0.0574
	-20 - -10	0.0693	0.0542	0.042	0.051	0.0361
	-10 - 0	0.0171	0.0237	0.019	0.0287	0.0157
	0 - 10	0.0103	0.0128	0.0089		0.014
Cross Section (3)	-70 - -60		0.1884			
	-60 - -50					
	-50 - -40	0.156	0.2124		0.0548	
	-40 - -30	0.174	0.226	0.0197		0.0413
	-30 - -20	0.1723	0.1753	0.0377	0.0469	0.0541
	-20 - -10	0.1525	0.1029	0.0377		0.0313
	-10 - 0	0.0403	0.0363	0.0299	0.0426	0.0266
	0 - 10	0.0085	0.0119	0.0119	0.0253	0.0118
Cross Section (4)	-50 - -40	0.0529	0.1599			
	-40 - -30	0.1016	0.1765	0.0606	0.0698	
	-30 - -20	0.1841	0.1669	0.0514	0.0488	0.0407
	-20 - -10	0.224	0.1764	0.0397	0.0519	0.0335
	-10 - 0	0.1975	0.0573	0.0322	0.0365	0.0317
	0 - 10		0.0133	0.0128	0.0225	0.0103

Cross Section (5)	-50 - -40			0.2894		
	-40 - -30			0.2955		0.039
	-30 - -20			0.0345	0.0729	0.0611
	-20 - -10			0.044	0.0277	0.0383
	-10 - 0	0.1329	0.0954	0.0277	0.0433	0.0271
	0 - 10		0.0133	0.0267	0.018	0.0082
Cross Section (6)	-60 - -50			0.0315		
	-50 - -40			0.0673		
	-40 - -30	0.0542				0.0655
	-30 - -20	0.0312		0.0624		0.0667
	-20 - -10		0.0224	0.0355	0.033	0.0269
	-10 - 0	0.0625	0.0406	0.0333	0.0361	0.0356
	0 - 10	0.0172	0.0191	0.0105	0.0261	
Cross Section (7)	-50 - -40	0.0778			0.1201	
	-40 - -30	0.0939	0.0203	0.0776	0.1326	0.0845
	-30 - -20	0.0671	0.0753	0.0377	0.085	0.0353
	-20 - -10	0.0297	0.0513	0.053	0.0636	0.0346
	-10 - 0	0.0311		0.059	0.0361	0.0393
	0 - 10	0.0384	0.0175	0.0085	0.0335	0.0134
Cross Section (8)	-50 - -40	0.1172		0.0695		
	-40 - -30	0.0837	0.0456	0.0564	0.0665	0.0268
	-30 - -20	0.1744	0.028	0.0921	0.053	0.0452
	-20 - -10	0.063	0.0536	0.0513		0.0443
	-10 - 0	0.041			0.065	0.0556
	0 - 10	0.0555	0.0581	0.0099	0.0362	0.0252
Cross Section (9)	-60 - -50					
	-50 - -40					
	-40 - -30	0.0236	0.0969	0.03		
	-30 - -20	0.0907	0.1709	0.0754	0.0499	0.0462
	-20 - -10	0.0485	0.1367		0.0682	0.0307
	-10 - 0	0.0351	0.0433	0.0709	0.0781	
	0 - 10	0.1002	0.0515	0.013	0.0647	0.0373

Cross Section (10)	-50 - -40				0.1237	
	-40 - -30			0.0903	0.0885	0.0729
	-30 - -20		0.0118	0.0498	0.0326	0.0243
	-20 - -10	0.0303	0.0558	0.0269	0.0503	0.0218
	-10 - 0	0.0842	0.0843	0.0553	0.0716	0.1067
	0 - 10	0.1405	0.0836	0.0155	0.0732	

		Average	Std. Deviation	Average	Std. Deviation	Diff. in Slope	% Difference	Change / Normal Dev.
Cross Section (1)	-40 - -30	0.0852	0.0104	0.1143	#DIV/0!	-2.92	-29.23	#DIV/0!
	-30 - -20	0.0405	0.0139	0.0434	0.0134	-0.29	-6.84	-0.21
	-20 - -10	0.0390	0.0098	0.0378	0.0174	0.12	3.00	0.07
	-10 - 0	0.0147	0.0049	0.0185	0.0088	-0.39	-23.41	-0.44
	0 - 10	0.0141	0.0023	0.0133	0.0066	0.08	5.86	0.12
Cross Section (2)	-60 - -50	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-50 - -40	0.2734	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-40 - -30	0.1685	0.0848	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-30 - -20	0.1160	0.0303	0.0755	0.0157	4.05	42.30	2.58
	-20 - -10	0.0618	0.0107	0.0430	0.0075	1.87	35.72	2.49
	-10 - 0	0.0204	0.0047	0.0211	0.0068	-0.07	-3.53	-0.11
	0 - 10	0.0116	0.0018	0.0115	0.0036	0.01	0.87	0.03
Cross Section (3)	-70 - -60	0.1884	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-60 - -50	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-50 - -40	0.1842	0.0399	0.0548	#DIV/0!	12.94	108.28	#DIV/0!
	-40 - -30	0.2000	0.0368	0.0305	0.0153	16.95	147.07	11.10
	-30 - -20	0.1738	0.0021	0.0462	0.0082	12.76	115.95	15.52
	-20 - -10	0.1277	0.0351	0.0345	0.0045	9.32	114.92	20.59
	-10 - 0	0.0383	0.0028	0.0330	0.0084	0.53	14.77	0.62
	0 - 10	0.0102	0.0024	0.0163	0.0078	-0.61	-46.23	-0.79
Cross Section (4)	-50 - -40	0.1064	0.0757	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-40 - -30	0.1391	0.0530	0.0652	0.0065	7.39	72.31	11.35
	-30 - -20	0.1755	0.0122	0.0470	0.0056	12.85	115.55	23.03
	-20 - -10	0.2002	0.0337	0.0417	0.0094	15.85	131.05	16.93
	-10 - 0	0.1274	0.0991	0.0335	0.0026	9.39	116.78	35.60
	0 - 10	0.0133	#DIV/0!	0.0152	0.0064	-0.19	-13.33	-0.29

Cross Section (5)	-50 - -40	#DIV/0!	#DIV/0!	0.2894	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-40 - -30	#DIV/0!	#DIV/0!	0.1673	0.1814	#DIV/0!	#DIV/0!	#DIV/0!
	-30 - -20	#DIV/0!	#DIV/0!	0.0562	0.0197	#DIV/0!	#DIV/0!	#DIV/0!
	-20 - -10	#DIV/0!	#DIV/0!	0.0367	0.0083	#DIV/0!	#DIV/0!	#DIV/0!
	-10 - 0	0.1142	0.0265	0.0327	0.0092	8.15	110.93	8.87
	0 - 10	0.0133	#DIV/0!	0.0176	0.0093	-0.43	-28.02	-0.47
Cross Section (6)	-60 - -50	#DIV/0!	#DIV/0!	0.0315	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-50 - -40	#DIV/0!	#DIV/0!	0.0673	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-40 - -30	0.0542	#DIV/0!	0.0655	#DIV/0!	-1.13	-18.88	#DIV/0!
	-30 - -20	0.0312	#DIV/0!	0.0646	0.0030	-3.34	-69.66	-10.97
	-20 - -10	0.0224	#DIV/0!	0.0318	0.0044	-0.94	-34.69	-2.12
	-10 - 0	0.0516	0.0155	0.0350	0.0015	1.66	38.24	11.08
	0 - 10	0.0182	0.0013	0.0183	0.0110	-0.02	-0.82	-0.01
Cross Section (7)	-50 - -40	0.0778	#DIV/0!	0.1201	#DIV/0!	-4.23	-42.75	#DIV/0!
	-40 - -30	0.0571	0.0520	0.0982	0.0300	-4.11	-52.96	-1.37
	-30 - -20	0.0712	0.0058	0.0527	0.0280	1.85	29.92	0.66
	-20 - -10	0.0405	0.0153	0.0504	0.0147	-0.99	-21.78	-0.67
	-10 - 0	0.0311	#DIV/0!	0.0448	0.0124	-1.37	-36.10	-1.10
	0 - 10	0.0280	0.0148	0.0185	0.0132	0.95	40.86	0.72
Cross Section (8)	-50 - -40	0.1172	#DIV/0!	0.0695	#DIV/0!	4.77	51.10	#DIV/0!
	-40 - -30	0.0647	0.0269	0.0499	0.0206	1.48	25.75	0.71
	-30 - -20	0.1012	0.1035	0.0634	0.0251	3.78	45.88	1.50
	-20 - -10	0.0583	0.0066	0.0478	0.0049	1.05	19.79	2.12
	-10 - 0	0.0410	#DIV/0!	0.0603	0.0066	-1.93	-38.10	-2.90
	0 - 10	0.0568	0.0018	0.0238	0.0132	3.30	82.00	2.50
Cross Section (9)	-60 - -50	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-50 - -40	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-40 - -30	0.0603	0.0518	0.0300	#DIV/0!	3.03	67.04	#DIV/0!
	-30 - -20	0.1308	0.0567	0.0572	0.0159	7.36	78.35	4.63
	-20 - -10	0.0926	0.0624	0.0495	0.0265	4.32	60.75	1.63
	-10 - 0	0.0392	0.0058	0.0745	0.0051	-3.53	-62.09	-6.93
	0 - 10	0.0759	0.0344	0.0383	0.0259	3.75	65.71	1.45

Cross Section (10)	-50 - -40	#DIV/0!	#DIV/0!	0.1237	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-40 - -30	#DIV/0!	#DIV/0!	0.0839	0.0096	#DIV/0!	#DIV/0!	#DIV/0!
	-30 - -20	0.0118	#DIV/0!	0.0356	0.0130	-2.38	-100.35	-1.83
	-20 - -10	0.0431	0.0180	0.0330	0.0152	1.01	26.43	0.66
	-10 - 0	0.0843	0.0001	0.0779	0.0263	0.64	7.87	0.24
	0 - 10	0.1121	0.0402	0.0444	0.0408	6.77	86.57	1.66

Red Rock

Taking all data in account (30 years)

		2007	2005	1986	1982	1976	Average	Standard Deviation
Cross Section (1)	Area/below 0	21764.14	19256.81	16273.66	19882.33	16522.93	15616.65	2330.00
	Area/below 10	37324.18	35291.78	32321.42	35722.43	32709.90	34673.94	2115.22
	Depth	-21.05	-19.30	-20.07	-21.34	-17.76	-19.90	1.45
	Slope	-0.037	-0.019	-0.019	-0.028	-0.018	-0.024	0.008
	Width	1619.62	1603.50	1618.70	1618.70	1618.70	1615.84	6.91
	Width/below 0	1498.99	1603.50	1403.31	1457.26	1618.70	1516.35	93.06
	Width/below10	1619.62	1603.50	1618.70	1618.70	1618.70	1615.84	6.91
	Wetted Perm./0	1509.98	1613.51	1406.22	1463.62	1627.23	1524.11	95.37
	Wetted Perm./10	1644.36	1633.51	1641.66	1643.09	1647.23	1641.97	5.16
	Cross Section (2)	Area/below 0	21711.55	18957.51	18185.59	17808.71	17846.98	15751.72
Area/below 10		36408.42	33610.25	32923.81	33520.14	32264.34	33745.39	1583.45
Depth		-24.89	-24.76	-27.04	-26.73	-23.47	-25.38	1.49
Slope		-0.021	-0.022	-0.037	-0.029	-0.024	-0.027	0.006
Width		1482.13	1465.27	1527.58	1515.95	1521.77	1502.54	27.30
Width/below 0		1455.32	1465.27	1304.06	1515.95	1340.00	1416.12	89.82
Width/below10		1482.13	1465.27	1527.58	1515.95	1521.77	1502.54	27.30
Wetted Perm./0		1463.67	1472.69	1307.58	1523.32	1346.75	1422.80	91.27
Wetted Perm./10		1504.89	1492.69	1549.62	1551.76	1543.23	1528.44	27.58
Cross Section (3)		Area/below 0	18538.85	18538.85	23647.36	19727.09	19727.09	19492.36
	Area/below 10	32608.42	32608.42	38606.60	33711.63	33711.63	33694.79	2497.46
	Depth	-31.71	-31.71	-37.11	-32.52	-32.52	-33.11	2.27
	Slope	-0.028	-0.028	-0.042	-0.031	-0.031	-0.032	0.005
	Width	1406.96	1406.96	1499.57	1496.59	1496.59	1455.96	49.65
	Width/below 0	1406.96	1406.96	1414.23	1322.40	1322.40	1295.04	47.73
	Width/below10	1406.96	1406.96	1499.57	1496.59	1496.59	1455.96	49.65
	Wetted Perm./0	1416.85	1416.85	1440.41	1327.70	1327.70	1306.51	53.99
	Wetted Perm./10	1436.85	1436.85	1544.90	1517.28	1517.28	1488.92	50.37

Cross Section (4)	Area/below 0	23417.80	20842.29	19191.07	25654.41	22233.90	18556.58	2464.30
	Area/below 10	37716.77	34764.36	30874.92	39032.48	35804.12	29698.78	3135.34
	Depth	-43.32	-38.76	-39.35	-46.04	-40.59	-41.61	3.03
	Slope	-0.036	-0.041	-0.055	-0.055	-0.038	-0.045	0.009
	Width	1442.85	1396.47	1268.51	1348.49	1378.58	1139.15	64.81
	Width/below 0	1409.92	1215.05	950.50	1230.53	1335.54	1023.59	174.53
	Width/below10	1442.85	1396.47	1268.51	1348.49	1378.58	1139.15	64.81
	Wetted Perm./0	1420.92	1226.61	972.54	1260.21	1342.61	1037.15	169.76
	Wetted Perm./10	1468.23	1427.70	1304.63	1396.74	1400.91	1166.37	60.27
	Area/below 0	20550.25	20211.70	16481.37	25567.22	23706.46	17752.83	3498.78
Cross Section (5)	Area/below 10	34684.03	34145.55	21601.77	38090.66	36593.31	27519.22	6574.42
	Depth	-31.27	-32.12	-39.12	-48.80	-40.82	-38.42	7.16
	Slope	-0.029	-0.035	-0.051	-0.076	-0.047	-0.047	0.018
	Width	1425.71	1393.69	1219.41	1293.09	1289.31	1103.54	84.11
	Width/below 0	1304.31	1369.27	953.18	1043.36	1261.22	988.56	178.75
	Width/below10	1425.71	1393.69	1219.41	1293.09	1289.31	1103.54	84.11
	Wetted Perm./0	1310.65	1379.48	967.00	1073.28	1278.61	1001.50	173.90
	Wetted Perm./10	1445.90	1423.65	1249.47	1339.67	1326.27	1130.83	79.30
	Area/below 0	24171.16	24054.04	21637.26	26763.41	30541.13	21194.50	3382.47
	Area/below 10	38698.62	38227.90	33671.25	39551.96	42620.39	32128.35	3221.02
Cross Section (6)	Depth	-34.77	-32.27	-53.69	-60.70	-65.66	-41.18	15.15
	Slope	-0.036	-0.026	-0.076	-0.090	-0.073	-0.050	0.027
	Width	1476.19	1417.39	1268.29	1331.85	1218.69	1118.73	105.39
	Width/below 0	1241.06	1417.39	1001.03	1100.60	1144.49	984.10	157.85
	Width/below10	1476.19	1417.39	1268.29	1331.85	1218.69	1118.73	105.39
	Wetted Perm./0	1252.67	1432.15	1012.43	1150.50	1176.76	1004.08	153.88
	Wetted Perm./10	1501.33	1452.15	1296.31	1402.02	1268.35	1153.36	99.75

Cross Section (7)	Area/below 0	19415.61	21517.51	21009.81	16481.38	31061.63	18247.66	5486.52
	Area/below 10	30863.17	33427.99	31577.12	27646.47	40991.61	27417.72	4981.24
	Depth	-33.04	-33.70	-39.13	-31.84	-51.51	-31.54	8.14
	Slope	-0.041	-0.051	-0.072	-0.068	-0.067	-0.050	0.013
	Width	1195.83	1190.81	1084.78	1117.27	1000.32	931.50	81.10
	Width/below 0	1047.96	1132.97	924.72	1092.05	1000.32	866.34	81.05
	Width/below10	1195.83	1190.81	1084.78	1117.27	1000.32	931.50	81.10
	Wetted Perm./0	1061.40	1158.28	932.89	1105.17	1019.30	879.51	85.74
	Wetted Perm./10	1221.83	1236.35	1109.39	1149.79	1051.30	961.44	77.36
	Area/below 0	23240.76	25844.95	19287.79	24029.84	23494.95	19316.38	2401.89
Cross Section (8)	Area/below 10	32735.86	35605.61	28547.48	34218.22	33215.06	27387.04	2651.53
	Depth	-56.06	-54.94	-45.91	-50.69	-50.55	-43.02	4.04
	Slope	-0.088	-0.077	-0.110	-0.089	-0.140	-0.084	0.025
	Width	966.66	976.07	971.24	969.65	956.60	806.70	7.25
	Width/below 0	835.80	976.07	790.10	902.12	854.24	726.39	70.83
	Width/below10	966.66	976.07	971.24	969.65	956.60	806.70	7.25
	Wetted Perm./0	849.45	992.52	796.46	914.57	864.96	736.33	74.04
	Wetted Perm./10	993.33	1012.52	991.05	997.69	1006.65	833.54	9.09
	Area/below 0	26471.90	26821.08	16823.43	20921.59	20710.63	18624.77	4250.04
	Area/below 10	37067.33	38260.53	26942.28	31075.43	30824.12	27361.62	4722.63
Cross Section (9)	Depth	-44.11	-43.71	-33.73	-39.44	-39.29	-33.38	4.20
	Slope	-0.149	-0.124	-0.079	-0.060	-0.070	-0.080	0.038
	Width	1169.48	1167.71	1178.88	1182.62	1181.87	980.09	7.03
	Width/below 0	884.31	1055.69	928.77	925.57	856.85	775.20	76.25
	Width/below10	1169.48	1167.71	1104.83	1182.62	1181.87	967.75	32.31
	Wetted Perm./0	898.10	1070.27	932.30	930.98	863.95	782.60	78.49
	Wetted Perm./10	1189.02	1199.19	1113.20	1192.57	1204.62	983.10	37.67

Cross Section (10)	Area/below 0	27770.98	28032.63	23841.71	17435.83	17116.80	19032.99	5344.19
	Area/below 10	38836.97	38891.73	34951.44	27989.23	28432.23	28183.60	5366.53
	Depth	-41.34	-52.46	-36.55	-30.10	-28.96	-31.57	9.57
	Slope	-0.100	-0.211	-0.066	-0.106	-0.063	-0.091	0.060
	Width	1189.42	1177.28	1167.97	1186.42	1179.63	983.45	8.40
	Width/below 0	1049.58	1051.51	1079.54	951.99	958.04	848.45	58.86
	Width/below10	1189.42	1177.28	1106.81	1186.42	1179.63	973.26	34.51
	Wetted Perm./0	1062.11	1068.27	1084.82	956.73	963.48	855.90	61.75
	Wetted Perm./10	1210.94	1206.61	1123.89	1196.41	1205.02	990.48	36.54

Years 1986-1976 (Before Weirs were built)

		Average	Standard Deviation
Cross Section (1)	Area/below 0	17559.64	2015.36
	Area/below 10	33584.58	1861.59
	Depth	-19.72	1.82
	Slope	-0.022	0.005
	Width	1618.70	0.00
	Width/below 0	1493.09	112.07
	Width/below10	1618.70	0.00
	Wetted Perm./0	1499.02	114.68
	Wetted Perm./10	1643.99	2.89
Cross Section (2)	Area/below 0	17947.09	207.43
	Area/below 10	32902.77	628.17
	Depth	-25.75	1.98
	Slope	-0.030	0.006
	Width	1521.77	5.81
	Width/below 0	1386.67	113.39
	Width/below10	1521.77	5.81
	Wetted Perm./0	1392.55	114.93
	Wetted Perm./10	1548.20	4.44
Cross Section (3)	Area/below 0	21033.84	2263.37
	Area/below 10	35343.28	2826.11
	Depth	-34.05	2.65
	Slope	-0.035	0.006
	Width	1497.58	1.72
	Width/below 0	1353.01	53.02
	Width/below10	1497.58	1.72
	Wetted Perm./0	1365.27	65.07
	Wetted Perm./10	1526.49	15.94

Cross Section (4)	Area/below 0	22359.79	3233.51
	Area/below 10	35237.18	4108.22
	Depth	-41.99	3.56
	Slope	-0.049	0.009
	Width	1331.86	56.89
	Width/below 0	1172.19	199.04
	Width/below10	1331.86	56.89
	Wetted Perm./0	1191.79	194.29
	Wetted Perm./10	1367.43	54.42
Cross Section (5)	Area/below 0	21918.35	4799.60
	Area/below 10	32095.25	9118.40
	Depth	-42.91	5.17
	Slope	-0.058	0.016
	Width	1267.27	41.49
	Width/below 0	1085.92	158.37
	Width/below10	1267.27	41.49
	Wetted Perm./0	1106.30	158.41
	Wetted Perm./10	1305.14	48.67
Cross Section (6)	Area/below 0	26313.93	4468.92
	Area/below 10	38614.53	4547.62
	Depth	-60.02	6.01
	Slope	-0.079	0.009
	Width	1272.94	56.73
	Width/below 0	1082.04	73.51
	Width/below10	1272.94	56.73
	Wetted Perm./0	1113.23	88.28
	Wetted Perm./10	1322.22	70.50

Cross Section (7)	Area/below 0	22850.94	7462.46
	Area/below 10	33405.06	6857.79
	Depth	-40.83	9.95
	Slope	-0.069	0.003
	Width	1067.46	60.37
	Width/below 0	1005.70	83.80
	Width/below10	1067.46	60.37
	Wetted Perm./0	1019.12	86.14
	Wetted Perm./10	1103.49	49.51
Cross Section (8)	Area/below 0	22270.86	2597.22
	Area/below 10	31993.58	3026.27
	Depth	-49.05	2.72
	Slope	-0.113	0.026
	Width	965.83	8.03
	Width/below 0	848.82	56.21
	Width/below10	965.83	8.03
	Wetted Perm./0	858.66	59.31
	Wetted Perm./10	998.46	7.83
Cross Section (9)	Area/below 0	19485.22	2307.59
	Area/below 10	29613.94	2317.14
	Depth	-37.49	3.25
	Slope	-0.070	0.010
	Width	1181.12	1.98
	Width/below 0	903.73	40.63
	Width/below10	1156.44	44.70
	Wetted Perm./0	909.08	39.09
	Wetted Perm./10	1170.13	49.67

Cross Section (10)	Area/below 0	19464.78	3793.89
	Area/below 10	30457.64	3898.05
	Depth	-31.87	4.09
	Slope	-0.078	0.024
	Width	1178.00	9.33
	Width/below 0	996.53	71.96
	Width/below10	1157.62	44.13
	Wetted Perm./0	1001.68	72.08
	Wetted Perm./10	1175.11	44.56

Only 2007 and 2005 (After Weirs were built)

Before and after

		Average	Standard Deviation
Cross Section (1)	Area/below 0	20510.48	11907.91
	Area/below 10	36307.98	1437.13
	Depth	-20.17	1.24
	Slope	-0.028	0.013
	Width	1611.56	11.40
	Width/below 0	1551.24	73.90
	Width/below10	1611.56	11.40
	Wetted Perm./0	1561.74	73.20
	Wetted Perm./10	1638.93	7.67
Cross Section (2)	Area/below 0	20334.53	11820.63
	Area/below 10	35009.33	1978.61
	Depth	-24.83	0.09
	Slope	-0.022	0.001
	Width	1473.70	11.92
	Width/below 0	1460.30	7.04
	Width/below10	1473.70	11.92
	Wetted Perm./0	1468.18	6.38
	Wetted Perm./10	1498.79	8.62
Cross Section (3)	Area/below 0	26926.31	1018.41
	Area/below 10	48069.45	973.62
	Depth	-50.85	3.79
	Slope	-0.053	0.012
	Width	2121.51	12.79
	Width/below 0	1855.61	294.25
	Width/below10	2121.51	12.79
	Wetted Perm./0	1871.63	292.89
	Wetted Perm./10	2177.01	25.10

Differences	Percent Difference
2950.84	15.5
2723.40	7.8
-0.45	-2.3
-0.006	-24.8
-7.14	0.4
58.16	3.8
-7.14	0.4
62.72	4.1
-5.06	0.3
2387.44	12.5
2106.57	6.2
0.92	-3.6
0.008	-31.7
-48.06	3.2
73.63	5.2
-48.06	3.2
75.63	5.3
-49.41	3.2
5892.46	24.6
12726.16	30.5
-16.80	-39.6
-0.018	-40.7
623.93	34.5
502.60	31.3
623.93	34.5
506.35	31.3
650.53	35.1

Cross Section (4)	Area/below 0	22130.04	12841.52
	Area/below 10	36240.56	20975.51
	Depth	-41.04	23.80
	Slope	-0.039	0.022
	Width	1419.66	819.97
	Width/below 0	1312.49	764.00
	Width/below10	1419.66	819.97
	Wetted Perm./0	1323.76	770.43
	Wetted Perm./10	1447.96	836.23
Cross Section (5)	Area/below 0	20380.97	11768.18
	Area/below 10	34414.79	19871.21
	Depth	-31.69	18.30
	Slope	-0.032	0.019
	Width	1409.70	814.05
	Width/below 0	1336.79	772.48
	Width/below10	1409.70	814.05
	Wetted Perm./0	1345.07	777.34
	Wetted Perm./10	1434.77	828.44
Cross Section (6)	Area/below 0	24112.60	13921.54
	Area/below 10	38463.26	22208.02
	Depth	-33.52	19.39
	Slope	-0.031	0.019
	Width	1446.79	835.82
	Width/below 0	1329.22	772.47
	Width/below10	1446.79	835.82
	Wetted Perm./0	1342.41	780.22
	Wetted Perm./10	1476.74	852.95

-229.75	1.0
1003.39	2.8
0.95	-2.3
0.011	-24.0
87.80	6.4
140.30	11.3
87.80	6.4
131.98	10.5
80.54	5.7
-1537.38	7.3
2319.54	7.0
11.22	-30.1
0.026	-57.6
142.44	10.6
250.88	20.7
142.44	10.6
238.77	19.5
129.64	9.5
-2201.33	8.7
-151.28	0.4
26.50	-56.7
0.048	-87.2
173.84	12.8
247.18	20.5
173.84	12.8
229.18	18.7
154.51	11.0

Cross Section (7)	Area/below 0	20466.56	11863.02
	Area/below 10	32145.58	18603.51
	Depth	-33.37	19.27
	Slope	-0.046	0.027
	Width	1193.32	688.97
	Width/below 0	1090.46	631.01
	Width/below10	1193.32	688.97
	Wetted Perm./0	1109.84	642.59
	Wetted Perm./10	1229.09	709.65
Cross Section (8)	Area/below 0	24542.85	14229.52
	Area/below 10	34170.74	19780.59
	Depth	-55.50	32.05
	Slope	-0.083	0.048
	Width	971.36	560.84
	Width/below 0	905.94	527.72
	Width/below10	971.36	560.84
	Wetted Perm./0	920.99	536.52
	Wetted Perm./10	1002.93	579.12
Cross Section (9)	Area/below 0	26646.49	15385.35
	Area/below 10	37663.93	21753.46
	Depth	-43.91	25.35
	Slope	-0.136	0.080
	Width	1168.59	674.69
	Width/below 0	970.00	566.55
	Width/below10	1168.59	674.69
	Wetted Perm./0	984.18	574.70
	Wetted Perm./10	1194.11	689.44

-2384.38	11.0
-1259.49	3.8
7.46	-20.1
0.023	-39.7
125.86	11.1
84.77	8.1
125.86	11.1
90.72	8.5
125.60	10.8
2271.99	9.7
2177.15	6.6
-6.45	-12.3
0.030	-30.7
5.53	0.6
57.11	6.5
5.53	0.6
62.32	7.0
4.46	0.4
7161.27	31.0
8049.99	23.9
-6.42	-15.8
-0.066	-64.2
-12.53	1.1
66.27	7.1
12.15	1.0
75.10	7.9
23.98	2.0

Cross Section (10)	Area/below 0	27901.81	16109.65
	Area/below 10	38864.35	22438.36
	Depth	-46.90	27.64
	Slope	-0.155	0.105
	Width	1183.35	683.23
	Width/below 0	1050.55	606.53
	Width/below10	1183.35	683.23
	Wetted Perm./0	1065.19	615.00
	Wetted Perm./10	1208.78	697.89

8437.03	35.6
8406.72	24.3
-15.03	-38.2
-0.077	-66.2
5.35	0.5
54.02	5.3
25.73	2.2
63.51	6.1
33.67	2.8

		2007		2005		1986		1982		1976	
		Slope	R2 Value	Slope	R2 Value	Slope	R2 Value	Slope	R2 Value	Slope	R2 Value
Cross Section (1)	-30 - -20	-0.2311	1			-0.0196	1	-0.0085	0.9151		
	-20 - -10	-0.0272	0.9378	-0.0134	0.9121	-0.0171	0.8959	-0.0197	0.993	-0.0141	0.8591
	-10 - 0	-0.0172	0.86	-0.012	0.9295	-0.0181	0.9249	-0.0327	1	-0.0069	0.6927
	0 - 10	0.0673	0.8749	0.0365	0.4503	0.046	0.9047				
Cross Section (2)	-30 - -20	-0.0057	0.5288	-0.02	0.7427	-0.0501	0.9734	-0.0183	0.6899	-0.0214	0.9498
	-20 - -10	-0.0197	0.8848	-0.0279	0.9612	-0.0301	0.976			-0.028	0.9889
	-10 - 0	-0.0164	0.8364	-0.0143	0.9796	-0.035	0.9765	-0.0171	0.9938	-0.0092	0.7981
	0 - 10					0.0063	0.0963				
Cross Section (3)	-40 - -30	-0.0782	0.9726	-0.0149	0.7949	-0.0444	0.7389	-0.0347	0.7061	-0.0778	0.7931
	-30 - -20	-0.0278	0.8604	-0.0482	0.9474	-0.0617	0.996	-0.0779	0.9977	-0.0363	0.9618
	-20 - -10	-0.0321	0.8695	-0.0445	0.9494	-0.0567	0.9784	-0.0821	0.9898	-0.0313	0.9601
	-10 - 0	-0.0121	0.8913	-0.0167	0.9404	-0.0336	0.99	-0.021	0.9354	-0.0169	0.9279
	0 - 10					-0.0171	0.9576	-0.0093	0.9871		
Cross Section (4)	-50 - -40	-0.1567	0.7883					-0.0664	0.9201	-0.1233	0.9791
	-40 - -30	-0.0281	0.6769	-0.0487	0.9629	-0.0577	0.9667	-0.0916	0.9998	-0.1243	0.9856
	-30 - -20	-0.0354	0.7507	-0.05	0.9039	-0.1166	0.9812	-0.0879	0.997	-0.0356	0.8705
	-20 - -10	-0.0538	0.9921	-0.0928	0.9627	-0.0612	0.9799	-0.0862	1	-0.0354	0.8997
	-10 - 0	-0.0136	0.9023	-0.0183	0.9047	-0.0297	0.9848	-0.0211	0.9387	-0.0193	0.9362
	0 - 10			-0.0018	0.9455	-0.0185	0.987	-0.012	-0.012	0.9165	
Cross Section (5)	-50 - -40							-0.1014	1	-0.214	1
	-40 - -30	-0.0387	0.9356	-0.0901	0.9506	-0.0734	0.8934			-0.1722	0.9976
	-30 - -20	-0.0138	0.2989	-0.0462	0.9476	-0.0899	0.9853	-0.0599	0.8788	-0.0958	0.9867
	-20 - -10	-0.0338	0.8143	-0.0534	0.9	-0.0506	0.9753	-0.073	0.9839	-0.0285	0.9911
	-10 - 0	-0.0178	0.8673	-0.0113	0.3668	-0.0268	0.9837	-0.0436	0.9775	-0.0307	0.9796
	0 - 10	-0.003	0.1102	-0.0104	1	-0.0147	0.9483	-0.0135	0.9963	-0.0151	0.9972

Cross Section (6)	-70 - -60										-0.2291	1
	-60 - -50						-0.0604	0.9995			-0.2163	0.9969
	-50 - -40						-0.1258	0.9552			-0.1624	0.9992
	-40 - -30	-0.0061	0.1104	-0.0009	0.0021	-0.1109	0.8905				-0.1643	0.9985
	-30 - -20	-0.0596	0.9544	-0.0102	0.5179	-0.1198	0.9791	-0.0853	0.4338		-0.0671	0.9825
	-20 - -10	-0.0327	0.8759	-0.0472	0.9529	-0.0816	0.9997	-0.0224	0.7346		-0.0279	0.914
	-10 - 0	-0.0384	0.9507	-0.0378	0.8115	-0.0395	0.986	-0.0508	0.9991		-0.0414	0.9909
	0 - 10	-0.0032	0.4039			-0.013	0.869	-0.0126	0.8816		-0.0372	0.9942
Cross Section (7)	-60 - -50										-0.2118	1
	-50 - -40										-0.1645	0.991
	-40 - -30	-0.0123	0.2857	-0.0906	0.9601	-0.0297	0.6542	-0.0547	1		-0.0183	0.6355
	-30 - -20	-0.032	0.8563	-0.0513	0.9225	-0.094	0.9944	-0.0837	0.9962		-0.0163	0.6795
	-20 - -10	-0.0349	0.9614	-0.0328	0.9754	-0.1055	0.9966	-0.0823	0.9995			
	-10 - 0	-0.0531	0.9718	-0.1013	0.9652	-0.0937	0.8906	-0.0505	0.8687		-0.0476	0.9992
	0 - 10	-0.0225	0.954	0.005	0.7877	-0.0219	0.9969	-0.0239	1			
Cross Section (8)	-60 - -50	-0.051	0.9528	-0.1357	0.9772			-0.0545	1		-0.0124	0.9978
	-50 - -49	-0.1289	0.9928	-0.0565	0.8566	-0.083	0.98	-0.0545	1		-0.0818	0.5734
	-40 - -30	-0.1122	0.9964	-0.0958	0.9912	-0.0959	0.9994				-0.5716	0.888
	-30 - -20	-0.0609	0.9347	-0.104	0.9329	-0.0751	0.9269					
	-20 - -10	-0.0703	0.9024	-0.0496	0.9876	-0.1792	0.9954	-0.0782	1			
	-10 - 0	-0.0949	0.9857	-0.085	0.9955	-0.1531	0.997					
	0 - 10	-0.009	0.8557			-0.0244	0.551	-0.0681	0.8587		-0.0326	0.9835
Cross Section (9)	-50 - -40	-0.0539	0.8132	-0.057	0.9641							
	-40 - -30	-0.1017	0.8948	-0.0917	0.9621	-0.1482	1	-0.0292	0.6546		-0.0413	0.9743
	-30 - -20	-0.2266	0.9874	-0.2845	0.9882			-0.05	0.89		-0.0538	0.9964
	-20 - -10	-0.3173	0.9813	-0.2421	0.9138	-0.08	0.9875	-0.0964	1		-0.1045	0.9995
	-10 - 0	-0.1379	0.9349	-0.0685	0.9646	-0.0843	1	-0.1075	0.9447		-0.1737	0.9614
	0 - 10	-0.0246	0.7995	-0.0291	0.8932	-0.0521	0.8211	-0.0751	0.8067		-0.0184	0.3558

Cross Section (10)	-60 - -50			-0.2724	1						
	-50 - -40	-0.0052	0.0542	-0.2144	0.9428						
	-40 - -30	-0.0277	0.3306	-0.2371	0.9642	-0.0954	0.9224	-0.0784	1		
	-30 - -20	-0.3407	0.9913			-0.0438	0.8856	-0.0976	0.9618	-0.0334	0.9649
	-20 - -10	-0.0518	0.6069	-0.1815	0.9857	-0.0372	0.9466	-0.1585	0.9924		
	-10 - 0	-0.2184	0.8835	-0.1691	0.98			-0.0811	0.9941	-0.0557	1
	0 - 10	-0.0396	0.2773	-0.0572	0.6866	-0.1038	1	-0.058	0.9103	0.0017	0.027

		2007	2005	1986	1982	1976
		Slope	Slope	Slope	Slope	Slope
Cross Section (1)	-30 - -20	-0.2311		-0.0196	-0.0085	
	-20 - -10	-0.0272	-0.0134	-0.0171	-0.0197	-0.0141
	-10 - 0	-0.0172	-0.012	-0.0181	-0.0327	
	0 - 10	0.0673		0.046		
Cross Section (2)	-30 - -20			-0.0501		-0.0214
	-20 - -10	-0.0197	-0.0279	-0.0301		-0.028
	-10 - 0	-0.0164	-0.0143	-0.035	-0.0171	
	0 - 10					
Cross Section (3)	-40 - -30	-0.0782				
	-30 - -20	-0.0278	-0.0482	-0.0617	-0.0779	-0.0363
	-20 - -10	-0.0321	-0.0445	-0.0567	-0.0821	-0.0313
	-10 - 0	-0.0121	-0.0167	-0.0336	-0.021	-0.0169
	0 - 10			-0.0171	-0.0093	
Cross Section (4)	-50 - -40				-0.0664	-0.1233
	-40 - -30		-0.0487	-0.0577	-0.0916	-0.1243
	-30 - -20		-0.05	-0.1166	-0.0879	-0.0356
	-20 - -10	-0.0538	-0.0928	-0.0612	-0.0862	-0.0354
	-10 - 0	-0.0136	-0.0183	-0.0297	-0.0211	-0.0193
	0 - 10		-0.0018	-0.0185		
Cross Section (5)	-50 - -40				-0.1014	-0.214
	-40 - -30	-0.0387	-0.0901	-0.0734		-0.1722
	-30 - -20		-0.0462	-0.0899	-0.0599	-0.0958
	-20 - -10	-0.0338	-0.0534	-0.0506	-0.073	-0.0285
	-10 - 0	-0.0178		-0.0268	-0.0436	-0.0307
	0 - 10		-0.0104	-0.0147	-0.0135	-0.0151

Cross Section (6)	-70 - -60					-0.2291
	-60 - -50			-0.0604		-0.2163
	-50 - -40			-0.1258		-0.1624
	-40 - -30			-0.1109		-0.1643
	-30 - -20	-0.0596		-0.1198		-0.0671
	-20 - -10	-0.0327	-0.0472	-0.0816		-0.0279
	-10 - 0	-0.0384	-0.0378	-0.0395	-0.0508	-0.0414
	0 - 10			-0.013	-0.0126	-0.0372
Cross Section (7)	-60 - -50					-0.2118
	-50 - -40					-0.1645
	-40 - -30		-0.0906		-0.0547	
	-30 - -20	-0.032	-0.0513	-0.094	-0.0837	
	-20 - -10	-0.0349	-0.0328	-0.1055	-0.0823	
	-10 - 0	-0.0531	-0.1013	-0.0937	-0.0505	-0.0476
	0 - 10	-0.0225		-0.0219	-0.0239	
	Cross Section (8)	-60 - -50	-0.051	-0.1357		-0.0545
-50 - -40		-0.1289	-0.0565	-0.083	-0.0545	
-40 - -30		-0.1122	-0.0958	-0.0959		-0.5716
-30 - -20		-0.0609	-0.104	-0.0751		
-20 - -10		-0.0703	-0.0496	-0.1792	-0.0782	
-10 - 0		-0.0949	-0.085	-0.1531		
0 - 10		-0.009			-0.0681	-0.0326
Cross Section (9)		-50 - -40	-0.0539	-0.057		
	-40 - -30	-0.1017	-0.0917	-0.1482		-0.0413
	-30 - -20	-0.2266	-0.2845		-0.05	-0.0538
	-20 - -10	-0.3173	-0.2421	-0.08	-0.0964	-0.1045
	-10 - 0	-0.1379	-0.0685	-0.0843	-0.1075	-0.1737
	0 - 10		-0.0291	-0.0521	-0.0751	

Cross Section (10)	-60 - -50		-0.2724			
	-50 - -40		-0.2144			
	-40 - -30		-0.2371	-0.0954	-0.0784	
	-30 - -20	-0.3407		-0.0438	-0.0976	-0.0334
	-20 - -10		-0.1815	-0.0372	-0.1585	
	-10 - 0	-0.2184	-0.1691		-0.0811	-0.0557
	0 - 10			-0.1038	-0.058	

		Average	Std. Deviation	Average	Std. Deviation	Diff. in Slope	% Difference	Change / Normal Dev.
Cross Section (1)	-30 - -20	-0.2311	#DIV/0!	-0.0141	0.0078	-21.71	-177.08	-27.65
	-20 - -10	-0.0203	0.0098	-0.0170	0.0028	-0.33	-17.89	-1.19
	-10 - 0	-0.0146	0.0037	-0.0254	0.0103	1.08	54.00	1.05
	0 - 10	0.0673	#DIV/0!	0.0460	#DIV/0!	2.13	-37.60	#DIV/0!
Cross Section (2)	-30 - -20	#DIV/0!	#DIV/0!	-0.0358	0.0203	#DIV/0!	#DIV/0!	#DIV/0!
	-20 - -10	-0.0238	0.0058	-0.0291	0.0015	0.53	19.87	3.54
	-10 - 0	-0.0154	0.0015	-0.0261	0.0127	1.07	51.69	0.85
	0 - 10	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Cross Section (3)	-40 - -30	-0.0782	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-30 - -20	-0.0380	0.0144	-0.0586	0.0210	2.06	42.70	0.98
	-20 - -10	-0.0383	0.0088	-0.0567	0.0254	1.84	38.74	0.72
	-10 - 0	-0.0144	0.0033	-0.0238	0.0087	0.94	49.35	1.08
	0 - 10	#DIV/0!	#DIV/0!	-0.0132	0.0055	#DIV/0!	#DIV/0!	#DIV/0!
Cross Section (4)	-50 - -40	#DIV/0!	#DIV/0!	-0.0949	0.0402	#DIV/0!	#DIV/0!	#DIV/0!
	-40 - -30	-0.0487	#DIV/0!	-0.0912	0.0333	4.25	60.76	1.28
	-30 - -20	-0.0500	#DIV/0!	-0.0800	0.0411	3.00	46.19	0.73
	-20 - -10	-0.0733	0.0276	-0.0609	0.0254	-1.24	-18.43	-0.49
	-10 - 0	-0.0160	0.0033	-0.0234	0.0056	0.74	37.73	1.33
	0 - 10	-0.0018	#DIV/0!	-0.0185	#DIV/0!	1.67	164.53	#DIV/0!
Cross Section (5)	-50 - -40	#DIV/0!	#DIV/0!	-0.1577	0.0796	#DIV/0!	#DIV/0!	#DIV/0!
	-40 - -30	-0.0644	0.0363	-0.1228	0.0699	5.84	62.39	0.84
	-30 - -20	-0.0462	#DIV/0!	-0.0819	0.0193	3.57	55.70	1.85
	-20 - -10	-0.0436	0.0139	-0.0507	0.0223	0.71	15.06	0.32
	-10 - 0	-0.0178	#DIV/0!	-0.0337	0.0088	1.59	61.75	1.81
	0 - 10	-0.0104	#DIV/0!	-0.0144	0.0008	0.40	32.48	4.84

Cross Section (6)	-70 - -60	#DIV/0!	#DIV/0!	-0.2291	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-60 - -50	#DIV/0!	#DIV/0!	-0.1384	0.1102	#DIV/0!	#DIV/0!	#DIV/0!
	-50 - -40	#DIV/0!	#DIV/0!	-0.1441	0.0259	#DIV/0!	#DIV/0!	#DIV/0!
	-40 - -30	#DIV/0!	#DIV/0!	-0.1376	0.0378	#DIV/0!	#DIV/0!	#DIV/0!
	-30 - -20	-0.0596	#DIV/0!	-0.0935	0.0373	3.39	44.23	0.91
	-20 - -10	-0.0400	0.0103	-0.0548	0.0380	1.48	31.26	0.39
	-10 - 0	-0.0381	0.0004	-0.0439	0.0061	0.58	14.15	0.96
	0 - 10	#DIV/0!	#DIV/0!	-0.0209	0.0141	#DIV/0!	#DIV/0!	#DIV/0!
Cross Section (7)	-60 - -50	#DIV/0!	#DIV/0!	-0.2118	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-50 - -40	#DIV/0!	#DIV/0!	-0.1645	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-40 - -30	-0.0906	#DIV/0!	-0.0547	#DIV/0!	-3.59	-49.42	#DIV/0!
	-30 - -20	-0.0417	0.0136	-0.0889	0.0073	4.72	72.34	6.48
	-20 - -10	-0.0339	0.0015	-0.0939	0.0164	6.01	94.01	3.66
	-10 - 0	-0.0772	0.0341	-0.0639	0.0258	-1.33	-18.80	-0.51
	0 - 10	-0.0225	#DIV/0!	-0.0229	0.0014	0.04	1.76	0.28
Cross Section (8)	-60 - -50	-0.0934	0.0599	-0.0335	0.0298	-5.99	-94.48	-2.01
	-50 - -40	-0.0927	0.0512	-0.0688	0.0202	-2.40	-29.67	-1.19
	-40 - -30	-0.1040	0.0116	-0.3338	0.3364	22.98	104.97	0.68
	-30 - -20	-0.0825	0.0305	-0.0751	#DIV/0!	-0.74	-9.33	#DIV/0!
	-20 - -10	-0.0600	0.0146	-0.1287	0.0714	6.88	72.89	0.96
	-10 - 0	-0.0900	0.0070	-0.1531	#DIV/0!	6.32	51.96	#DIV/0!
	0 - 10	-0.0090	#DIV/0!	-0.0504	0.0251	4.14	139.34	1.65
Cross Section (9)	-50 - -40	-0.0555	0.0022	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-40 - -30	-0.0967	0.0071	-0.0948	0.0756	-0.20	-2.04	-0.03
	-30 - -20	-0.2556	0.0409	-0.0519	0.0027	-20.37	-132.48	-75.79
	-20 - -10	-0.2797	0.0532	-0.0936	0.0125	-18.61	-99.68	-14.91
	-10 - 0	-0.1032	0.0491	-0.1218	0.0464	1.86	16.56	0.40
	0 - 10	-0.0291	#DIV/0!	-0.0636	0.0163	3.45	74.43	2.12

Cross Section (10)	-60 - -50	-0.2724	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-50 - -40	-0.2144	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-40 - -30	-0.2371	#DIV/0!	-0.0869	0.0120	-15.02	-92.72	-12.49
	-30 - -20	-0.3407	#DIV/0!	-0.0583	0.0345	-28.24	-141.58	-8.20
	-20 - -10	-0.1815	#DIV/0!	-0.0979	0.0858	-8.37	-59.89	-0.98
	-10 - 0	-0.1938	0.0349	-0.0684	0.0180	-12.54	-95.63	-6.98
	0 - 10	#DIV/0!	#DIV/0!	-0.0809	0.0324	#DIV/0!	#DIV/0!	#DIV/0!

Scudders

Taking all data in account (30 years)

	2007	2005	1986	1982	1976	Average	Standard Deviation	
Cross Section (1)	Area/below 0	23187.38	23887.59	21619.99	17482.82	16570.67	20549.69	3334.77
	Area/below 10	38812.15	29289.22	25911.83	30015.52	26311.37	30068.02	5207.10
	Depth	-30.77	-34.56	-49.67	-39.12	-33.38	-37.50	7.44
	Slope	-0.032	-0.040	-0.089	-0.067	-0.049	-0.056	0.023
	Width	1739.02	1884.72	805.90	1808.21	900.56	1427.68	527.99
	Width/below 0	1330.75	-622.67	685.57	854.05	716.63	592.87	727.00
	Width/below10	1721.64	1884.72	805.90	1808.21	900.56	1424.21	525.48
	Wetted Perm./0	1337.27	3160.73	701.70	861.81	743.15	1360.93	1037.45
	Wetted Perm./10	1734.70	1911.30	840.78	1822.28	947.84	1451.38	513.75
	Area/below 0	23757.32	20581.62	14030.42	10650.07	15663.55	16936.60	5229.61
Cross Section (2)	Area/below 10	38420.36	35781.73	21458.41	22617.90	20003.50	27656.38	8721.41
	Depth	-25.29	-34.30	-46.39	-26.06	-29.79	-32.36	8.62
	Slope	-0.043	-0.053	-0.099	-0.048	-0.040	-0.057	0.02
	Width	1608.44	1974.27	842.87	1939.71	841.60	1441.38	565.28
	Width/below 0	1272.56	1187.70	617.47	836.62	821.43	947.16	274.07
	Width/below10	1600.69	1887.41	842.87	1882.44	841.60	1411.00	532.02
	Wetted Perm./0	1282.84	1199.54	628.09	840.79	840.98	958.45	273.92
	Wetted Perm./10	1618.56	1904.00	861.77	1890.53	880.95	1431.16	523.61
	Area/below 0	24344.11	20458.07	11335.00	9879.78	12906.39	15784.67	6286.03
	Area/below 10	29422.70	26391.56	19078.64	23261.36	21827.46	23996.34	4019.03
Cross Section (3)	Depth	-49.37	-35.14	-34.57	-31.41	-24.16	-34.93	9.18
	Slope	-0.102	-0.039	-0.086	-0.041	-0.040	-0.062	0.030
	Width	1568.31	1873.00	886.65	1871.49	894.06	1418.70	498.02
	Width/below 0	992.92	1115.51	659.35	885.20	861.67	902.93	169.29
	Width/below10	1535.64	1709.97	886.65	1463.56	894.06	1297.98	382.75
	Wetted Perm./0	1006.66	1126.11	664.18	891.46	876.73	913.03	171.67
	Wetted Perm./10	3083.85	3432.15	1791.77	1467.69	1822.37	2319.57	876.56

Cross Section (4)	Area/below 0	20321.16	18839.89	13867.27	11060.56	16099.88	16037.75	3731.18
	Area/below 10	34282.07	33381.85	23567.47	25022.97	25736.51	28398.17	5031.64
	Depth	-38.93	-41.43	-35.90	-26.08	-29.59	-34.39	6.41
	Slope	-0.086	-0.089	-0.068	-0.043	-0.034	-0.064	0.025
	Width	1733.17	1795.51	1114.06	1787.99	966.51	1479.45	404.99
	Width/below 0	1018.93	992.05	717.86	738.97	929.79	879.52	141.87
	Width/below10	1722.28	1727.28	1114.06	1751.01	966.51	1456.23	383.42
	Wetted Perm./0	1031.55	1016.02	726.02	744.07	946.06	892.74	147.65
	Wetted Perm./10	1740.68	1758.09	1136.73	1762.26	1001.46	1479.84	378.09
	Area/below 0	21778.10	15707.18	13315.85	10918.08	15254.64	15394.77	4038.16
Cross Section (5)	Area/below 10	36738.11	30852.29	24399.45	24628.77	25017.80	28327.28	5412.42
	Depth	-36.07	-40.23	-29.90	-33.31	-30.79	-34.06	4.20
	Slope	-0.029	-0.068	-0.045	-0.052	-0.042	-0.047	0.014
	Width	1746.91	1724.79	1278.21	1710.84	982.20	1488.59	343.73
	Width/below 0	1093.11	998.24	763.68	737.57	921.38	902.80	151.93
	Width/below10	1738.15	1724.79	1278.21	1632.56	982.20	1471.18	330.90
	Wetted Perm./0	1103.69	1007.07	772.39	743.89	934.53	912.32	153.33
	Wetted Perm./10	1755.10	1743.85	1301.72	1644.43	1013.69	1491.76	324.37
	Area/below 0	21837.53	14938.05	12025.44	9546.14	15115.87	14692.61	4606.77
	Area/below 10	36820.21	30007.37	25726.35	23876.49	24658.47	28217.78	5360.20
Cross Section (6)	Depth	-36.29	-39.85	-32.04	-25.91	-30.08	-32.83	5.42
	Slope	-0.058	-0.063	-0.039	-0.047	-0.039	-0.049	0.011
	Width	1748.06	1643.19	1616.64	1635.53	964.30	1521.54	315.70
	Width/below 0	1096.00	1021.51	914.55	811.68	863.40	941.43	116.14
	Width/below10	1739.31	1643.19	1616.64	1629.87	964.30	1518.66	313.64
	Wetted Perm./0	1106.59	1038.22	923.89	817.71	874.10	952.10	118.56
	Wetted Perm./10	1756.47	1674.67	1640.86	1642.99	993.00	1541.60	310.23

Cross Section (7)	Area/below 0	21076.85	13829.67	13454.32	15515.48	17531.93	16281.65	3128.51
	Area/below 10	36322.57	29787.57	27781.63	30488.16	28940.48	30664.08	3320.28
	Depth	-45.51	-34.05	-28.55	-37.64	-37.96	-36.74	6.19
	Slope	-0.053	-0.053	-0.032	-0.045	-0.049	-0.046	0.009
	Width	1669.42	1655.49	1605.71	1646.22	1161.12	1547.59	217.34
	Width/below 0	1275.52	1372.80	983.72	941.79	909.28	1096.62	212.19
	Width/below10	1663.36	1655.49	1605.71	1646.22	1161.12	1546.38	216.51
	Wetted Perm./0	1289.98	1383.78	992.57	952.28	918.43	1107.41	213.71
	Wetted Perm./10	1683.89	1676.07	1630.90	1667.52	1189.07	1569.49	213.63
	Area/below 0	19617.50	12992.81	12956.86	14725.86	14900.17	15038.64	2720.40
Cross Section (8)	Area/below 10	35307.65	28705.32	26942.79	29291.97	26846.26	29418.80	3462.38
	Depth	-34.48	-26.34	-27.31	-34.43	-28.83	-30.28	3.92
	Slope	-0.039	-0.035	-0.034	-0.045	-0.040	-0.039	0.005
	Width	1661.02	1637.72	1530.07	1559.02	1198.37	1517.24	186.27
	Width/below 0	1309.03	1125.10	952.68	898.95	1019.79	1061.11	162.26
	Width/below10	1656.75	1637.72	1530.07	1559.02	1198.37	1516.38	185.45
	Wetted Perm./0	1316.50	1130.41	960.33	907.20	1031.69	1069.23	161.56
	Wetted Perm./10	1674.07	1656.18	1555.37	1583.10	1229.85	1539.71	180.11
	Area/below 0	19213.94	14120.79	12872.62	14516.09	14196.74	14984.04	2446.13
	Area/below 10	35464.05	30054.34	26935.89	29065.88	26276.64	29559.36	3640.49
Cross Section (9)	Depth	-28.57	-26.04	-28.02	-31.86	-31.86	-29.27	2.55
	Slope	-0.025	-0.033	-0.035	-0.045	-0.033	-0.034	0.007
	Width	1668.47	1615.20	1511.15	1547.52	1240.07	1516.48	166.01
	Width/below 0	1402.83	1459.51	937.78	860.27	1240.07	1180.09	270.32
	Width/below10	1664.43	1615.20	1511.15	1547.52	1240.07	1515.67	165.10
	Wetted Perm./0	1408.03	1469.57	944.42	870.95	1255.14	1189.62	270.20
	Wetted Perm./10	1681.02	1640.29	1536.04	1574.76	1279.47	1542.32	157.34

Cross Section (10)	Area/below 0	17859.47	13614.05	11737.23	14604.72	15450.66	14653.23	2263.91
	Area/below 10	32557.85	28205.08	25661.15	28407.12	27722.44	28510.73	2511.22
	Depth	-30.52	-31.30	-24.99	-32.53	-35.16	-30.90	3.74
	Slope	-0.026	-0.031	-0.036	-0.044	-0.034	-0.034	0.007
	Width	1506.43	1476.66	1430.82	1447.14	1227.18	1417.65	110.33
	Width/below 0	1267.83	1363.35	896.60	842.98	1227.18	1119.59	234.10
	Width/below10	1488.02	1475.66	1430.82	1447.14	1227.18	1413.76	106.73
	Wetted Perm./0	1277.19	1373.37	900.15	853.39	1246.79	1130.18	236.58
	Wetted Perm./10	1509.72	1496.75	1452.85	1474.05	1266.79	1440.03	99.26

Years 1986-1976 (Before Weirs were built)

		Average	Standard Deviation
Cross Section (1)	Area/below 0	18557.83	2690.84
	Area/below 10	27412.91	2262.77
	Depth	-40.72	8.26
	Slope	-0.069	0.020
	Width	1171.56	553.38
	Width/below 0	752.08	89.66
	Width/below10	1171.56	553.38
	Wetted Perm./0	768.88	83.10
	Wetted Perm./10	1203.63	538.43
Cross Section (2)	Area/below 0	13448.02	2556.98
	Area/below 10	21359.94	1309.98
	Depth	-34.08	10.82
	Slope	-0.062	0.032
	Width	1208.06	633.63
	Width/below 0	758.51	122.38
	Width/below10	1188.97	600.56
	Wetted Perm./0	769.95	122.86
	Wetted Perm./10	1211.09	588.50
Cross Section (3)	Area/below 0	11373.72	1513.68
	Area/below 10	21389.15	2125.53
	Depth	-30.05	5.34
	Slope	-0.056	0.026
	Width	1217.40	566.47
	Width/below 0	802.07	124.16
	Width/below10	1081.42	330.96
	Wetted Perm./0	810.79	127.18
	Wetted Perm./10	1693.94	196.54

Cross Section (4)	Area/below 0	13675.90	2525.11
	Area/below 10	24775.65	1105.47
	Depth	-30.52	4.97
	Slope	-0.048	0.018
	Width	1289.52	437.95
	Width/below 0	795.54	116.74
	Width/below10	1277.19	416.91
	Wetted Perm./0	805.38	122.16
	Wetted Perm./10	1300.15	405.87
Cross Section (5)	Area/below 0	13162.85	2172.32
	Area/below 10	24682.01	312.59
	Depth	-31.33	1.77
	Slope	-0.046	0.005
	Width	1323.75	366.45
	Width/below 0	807.54	99.45
	Width/below10	1297.65	325.62
	Wetted Perm./0	816.94	102.83
	Wetted Perm./10	1319.95	315.76
Cross Section (6)	Area/below 0	12229.15	2790.45
	Area/below 10	24753.77	928.61
	Depth	-29.34	3.13
	Slope	-0.042	0.005
	Width	1405.49	382.20
	Width/below 0	863.21	51.44
	Width/below10	1403.60	380.51
	Wetted Perm./0	871.90	53.13
	Wetted Perm./10	1425.62	374.66

Cross Section (7)	Area/below 0	15500.58	2038.85
	Area/below 10	29070.09	1357.91
	Depth	-34.72	5.34
	Slope	-0.042	0.009
	Width	1471.02	269.14
	Width/below 0	944.93	37.32
	Width/below10	1471.02	269.14
	Wetted Perm./0	954.43	37.12
	Wetted Perm./10	1495.83	266.29
Cross Section (8)	Area/below 0	14194.30	1075.19
	Area/below 10	27693.67	1385.01
	Depth	-30.19	3.75
	Slope	-0.040	0.006
	Width	1429.15	200.39
	Width/below 0	957.14	60.54
	Width/below10	1429.15	200.39
	Wetted Perm./0	966.41	62.47
	Wetted Perm./10	1456.11	196.44
Cross Section (9)	Area/below 0	13861.82	871.42
	Area/below 10	27426.14	1457.81
	Depth	-30.58	2.22
	Slope	-0.038	0.007
	Width	1432.91	167.99
	Width/below 0	1012.71	200.68
	Width/below10	1432.91	167.99
	Wetted Perm./0	1023.51	203.94
	Wetted Perm./10	1463.42	160.48

Cross Section (10)	Area/below 0	13930.87	1946.26
	Area/below 10	27263.57	1429.34
	Depth	-30.89	5.28
	Slope	-0.038	0.005
	Width	1368.38	122.56
	Width/below 0	988.92	208.07
	Width/below10	1368.38	122.56
	Wetted Perm./0	1000.11	214.91
	Wetted Perm./10	1397.90	114.03

Only 2007 and 2005 (After Weirs were built)

		Average	Standard Deviation
Cross Section (1)	Area/below 0	23537.48	13593.88
	Area/below 10	34050.69	6733.73
	Depth	-32.66	2.68
	Slope	-0.036	0.006
	Width	1811.87	103.03
	Width/below 0	354.04	1381.28
	Width/below10	1803.18	115.31
	Wetted Perm./0	2249.00	1289.38
	Wetted Perm./10	1823.00	124.87
Cross Section (2)	Area/below 0	22169.47	12897.66
	Area/below 10	37101.04	1865.79
	Depth	-29.79	6.38
	Slope	-0.048	0.007
	Width	1791.36	258.68
	Width/below 0	1230.13	60.01
	Width/below10	1744.05	202.74
	Wetted Perm./0	1241.19	58.91
	Wetted Perm./10	1761.28	201.84
Cross Section (3)	Area/below 0	28068.59	6677.94
	Area/below 10	37446.45	5317.68
	Depth	-59.54	8.39
	Slope	-0.114	0.033
	Width	2163.98	505.04
	Width/below 0	1383.89	236.07
	Width/below10	2066.13	433.86
	Wetted Perm./0	1398.48	239.77
	Wetted Perm./10	4153.89	864.26

Before and after

Differences	Percent Difference
4979.65	23.7
6637.78	21.6
8.06	-22.0
0.033	-62.4
640.31	42.9
-398.04	72.0
631.62	42.5
1480.11	98.1
619.37	40.9
8721.45	49.0
15741.11	53.9
4.28	-13.4
0.014	-26.2
583.30	38.9
471.62	47.4
555.08	37.9
471.24	46.9
550.20	37.0
16694.87	84.7
16057.29	54.6
-29.49	-65.8
-0.058	-68.5
946.58	56.0
581.82	53.2
984.71	62.6
587.69	53.2
2459.94	84.1

Cross Section (4)	Area/below 0	19580.52	11329.06
	Area/below 10	33831.96	19538.08
	Depth	-40.18	23.23
	Slope	-0.087	0.050
	Width	1764.34	1019.12
	Width/below 0	1005.49	580.67
	Width/below10	1724.78	995.81
	Wetted Perm./0	1023.78	591.13
	Wetted Perm./10	1749.39	1010.05
Cross Section (5)	Area/below 0	18742.64	11238.75
	Area/below 10	33795.20	19732.36
	Depth	-38.15	22.12
	Slope	-0.049	0.034
	Width	1735.85	1002.26
	Width/below 0	1045.68	605.58
	Width/below10	1731.47	999.69
	Wetted Perm./0	1055.38	611.24
	Wetted Perm./10	1749.48	1010.08
Cross Section (6)	Area/below 0	18387.79	11162.63
	Area/below 10	33413.79	19589.90
	Depth	-38.07	22.05
	Slope	-0.060	0.035
	Width	1695.62	980.37
	Width/below 0	1058.76	612.41
	Width/below10	1691.25	977.62
	Wetted Perm./0	1072.40	620.10
	Wetted Perm./10	1715.57	991.33

5904.62	35.5
9056.31	30.9
-9.66	-27.3
-0.039	-57.8
474.82	31.1
209.95	23.3
447.59	29.8
218.40	23.9
449.24	29.5
5579.79	35.0
9113.20	31.2
-6.81	-19.6
-0.002	-4.7
412.10	26.9
238.13	25.7
433.82	28.6
238.44	25.5
429.53	28.0
6158.64	40.2
8660.02	29.8
-8.73	-25.9
-0.019	-36.7
290.13	18.7
195.55	20.3
287.64	18.6
200.50	20.6
289.95	18.5

Cross Section (7)	Area/below 0	17453.26	10708.37
	Area/below 10	33055.07	19362.06
	Depth	-39.78	23.67
	Slope	-0.053	0.031
	Width	1662.46	959.85
	Width/below 0	1324.16	766.05
	Width/below10	1659.43	958.08
	Wetted Perm./0	1336.88	773.27
	Wetted Perm./10	1679.98	969.94
Cross Section (8)	Area/below 0	16305.16	9979.53
	Area/below 10	32006.49	18771.51
	Depth	-30.41	18.02
	Slope	-0.037	0.021
	Width	1649.37	952.34
	Width/below 0	1217.07	708.67
	Width/below10	1647.23	951.08
	Wetted Perm./0	1223.46	712.46
	Wetted Perm./10	1665.12	961.40
Cross Section (9)	Area/below 0	16667.37	9954.17
	Area/below 10	32759.19	19105.96
	Depth	-27.31	15.82
	Slope	-0.029	0.017
	Width	1641.83	948.29
	Width/below 0	1431.17	826.77
	Width/below10	1639.82	947.07
	Wetted Perm./0	1438.80	831.26
	Wetted Perm./10	1660.66	959.00

1952.69	11.9
3984.98	12.8
-5.06	-13.6
-0.011	-23.9
191.44	12.2
379.23	33.4
188.41	12.0
382.46	33.4
184.15	11.6
2110.86	13.8
4312.81	14.4
-0.22	-0.7
0.003	-7.2
220.22	14.3
259.92	23.9
218.08	14.2
257.05	23.5
209.02	13.4
2805.55	18.4
5333.05	17.7
3.27	-11.3
0.009	-25.8
208.92	13.6
418.46	34.2
206.90	13.5
415.29	33.7
197.23	12.6

Cross Section (10)	Area/below 0	15736.76	9330.30
	Area/below 10	30381.46	17675.25
	Depth	-30.91	17.85
	Slope	-0.029	0.017
	Width	1491.55	861.27
	Width/below 0	1315.59	761.06
	Width/below10	1481.84	855.56
	Wetted Perm./0	1325.28	766.66
	Wetted Perm./10	1503.24	867.92

1805.89	12.2
3117.89	10.8
-0.02	0.0
0.009	-28.0
123.17	8.6
326.67	28.4
113.46	8.0
325.17	28.0
105.34	7.3

		2007		2005		1986		1982		1976	
		Slope	R2 Value	Slope	R2 Value	Slope	R2 Value	Slope	R2 Value	Slope	R2 Value
Cross Section (1)	-50 - -40					-0.0326	0.7891				
	-40 - -30	-0.1061	1	-0.1582	0.993	-0.1197	1	-0.1029	0.9992	-0.0224	0.9805
	-30 - -20	-0.0704	0.9817	-0.0107	0.2886			-0.078	0.993	-0.0241	0.9957
	-20 - -10	-0.0083	0.6472	-0.0369	0.9472	-0.1776	1	-0.0368	0.9715		
	-10 - 0	-0.0532	0.9985	-0.0511	0.978			-0.0839	0.9295	-0.18	0.944
	0 - 10	-0.0192	0.9672	-0.0123	0.8783	-0.0237	0.7491	-0.0019	0.1477	0.0026	0.0289
Cross Section (2)	-50 - -40					-0.1599	1				
	-40 - -30			-0.052	0.9484	-0.0909	0.9551				
	-30 - -20	-0.0246	0.9669	-0.1027	0.9823	-0.0609	0.996	-0.0449	0.9138	-0.0249	0.9228
	-20 - -10	-0.0452	0.9611	-0.04	0.9699	-0.1481	0.9943	-0.05	0.9984	-0.0436	0.9576
	-10 - 0	-0.0639	0.9888	-0.0553	0.9914	-0.1003	0.9952	-0.0444	0.9928		
	0 - 10	-0.0203	0.7926	-0.0109	0.9129	-0.0299	0.8948	-0.0046	0.5847	-0.0086	0.1224
Cross Section (3)	-50 - -40	-0.1111	0.9233								
	-40 - -30	-0.1421	0.9891	-0.0273	0.5629	-0.1631	1	-0.0678	1		
	-30 - -20	-0.1056	0.9868	-0.0106	0.1227			-0.0687	0.9543	-0.0249	0.9827
	-20 - -10	-0.0781	0.995	-0.0412	0.9156	-0.0852	0.9792	-0.045	0.9732	-0.0469	0.9552
	-10 - 0	-0.0985	0.9499	-0.0328	0.9421			-0.0191	0.7865	-0.0449	0.9856
	0 - 10	-0.0112	0.9222	-0.01	0.9646	-0.0266	0.974	-0.0044	0.4151	-0.029	0.8735
Cross Section (4)	-50 - -40			-0.0587	0.6051						
	-40 - -30	-0.1022	0.987	-0.1713	0.9353	-0.0404	0.9829				
	-30 - -20	-0.1247	0.9911	-0.1907	0.9785	-0.1177	1	-0.0302	0.8987	-0.0271	0.9062
	-20 - -10	-0.0799	0.9979	-0.1213	0.9386	-0.0498	0.9764	-0.0386	0.9664	-0.0325	0.9827
	-10 - 0	-0.0541	0.9674	-0.0376	0.9753	-0.056	0.9644			-0.0476	0.97
	0 - 10	-0.0133	0.9285	-0.0072	0.9069	-0.014	0.8878	-0.0069	0.9053	-0.038	0.9741
Cross Section (5)	-50 - -40			-0.0242	0.9968						
	-40 - -30	-0.1162	0.8607	-0.1346	0.9843			-0.0757	1	-0.0966	1
	-30 - -20	-0.0353	0.6538	-0.1321	0.9972	-0.0236	0.6133	-0.0838	0.9969	-0.0371	0.9846
	-20 - -10	-0.0445	0.9765	-0.0885	0.9924	-0.0657	0.9349	-0.0413	0.9633	-0.033	0.9878
	-10 - 0	-0.0525	0.7414	-0.0304	0.9486	-0.057	0.9832	-0.0416	0.9802	-0.0515	0.9707
	0 - 10	-0.0078	0.6805	-0.0059	0.8909	-0.01	0.9518	-0.0065	0.8745	-0.0285	0.9604

		2007	2005	1986	1982	1976
		Slope	Slope	Slope	Slope	Slope
Cross Section (1)	-50 - -40					
	-40 - -30	-0.1061	-0.1582	-0.1197	-0.1029	-0.0224
	-30 - -20	-0.0704			-0.078	-0.0241
	-20 - -10		-0.0369	-0.1776	-0.0368	
	-10 - 0	-0.0532	-0.0511		-0.0839	-0.18
	0 - 10	-0.0192	-0.0123			
Cross Section (2)	-50 - -40			-0.1599		
	-40 - -30		-0.052	-0.0909		
	-30 - -20	-0.0246	-0.1027	-0.0609	-0.0449	-0.0249
	-20 - -10	-0.0452	-0.04	-0.1481	-0.05	-0.0436
	-10 - 0	-0.0639	-0.0553	-0.1003	-0.0444	
	0 - 10		-0.0109	-0.0299		
Cross Section (3)	-50 - -40	-0.1111				
	-40 - -30	-0.1421		-0.1631	-0.0678	
	-30 - -20	-0.1056			-0.0687	-0.0249
	-20 - -10	-0.0781	-0.0412	-0.0852	-0.045	-0.0469
	-10 - 0	-0.0985	-0.0328			-0.0449
	0 - 10	-0.0112	-0.01	-0.0266		-0.029
Cross Section (4)	-50 - -40					
	-40 - -30	-0.1022	-0.1713	-0.0404		
	-30 - -20	-0.1247	-0.1907	-0.1177	-0.0302	-0.0271
	-20 - -10	-0.0799	-0.1213	-0.0498	-0.0386	-0.0325
	-10 - 0	-0.0541	-0.0376	-0.056		-0.0476
	0 - 10	-0.0133	-0.0072	-0.014	-0.0069	-0.038
Cross Section (5)	-50 - -40		-0.0242			
	-40 - -30	-0.1162	-0.1346		-0.0757	-0.0966
	-30 - -20		-0.1321		-0.0838	-0.0371
	-20 - -10	-0.0445	-0.0885	-0.0657	-0.0413	-0.033
	-10 - 0		-0.0304	-0.057	-0.0416	-0.0515
	0 - 10		-0.0059	-0.01	-0.0065	-0.0285

Cross Section (6)	-40 - -30	-0.1181	-0.1342	-0.1049		-0.0597
	-30 - -20		-0.1122		-0.0877	
	-20 - -10	-0.0441		-0.0386	-0.063	-0.0333
	-10 - 0		-0.026	-0.0294	-0.0297	-0.0745
	0 - 10			-0.0064	-0.005	-0.0199
Cross Section (7)	-50 - -40					
	-40 - -30	-0.1203	-0.0764		-0.0437	-0.071
	-30 - -20	-0.0917	-0.0864		-0.0739	-0.0357
	-20 - -10	-0.0859	-0.0575	-0.0289	-0.0686	-0.0406
	-10 - 0	-0.0166	-0.0246	-0.025	-0.0265	-0.0559
	0 - 10	-0.0171			-0.0054	-0.0047
Cross Section (8)	-40 - -30	-0.2389			-0.0423	
	-30 - -20	-0.0712	-0.051	-0.0357	-0.0688	-0.0452
	-20 - -10	-0.0197	-0.0565	-0.032	-0.0511	-0.0915
	-10 - 0	-0.0261	-0.0211	-0.0296	-0.0325	-0.0235
	0 - 10					-0.0024
Cross Section (9)	-40 - -30				-0.0427	-0.0631
	-30 - -20		-0.0399	-0.0349	-0.0522	-0.0574
	-20 - -10	-0.0245	-0.0602	-0.0343	-0.0499	
	-10 - 0	-0.0165			-0.0369	
	0 - 10					
Cross Section (10)	-40 - -30	-0.0229			-0.029	-0.0371
	-30 - -20	-0.035		-0.037	-0.0327	-0.0699
	-20 - -10	-0.0294	-0.0639	-0.0511	-0.1369	-0.1283
	-10 - 0	-0.0142	-0.0146	-0.0323	-0.0328	
	0 - 10					

		Average	Std. Deviation	Average	Std. Deviation	Diff. in Slope	% Difference	Change / Normal Dev.
Cross Section (1)	-50 - -40	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-40 - -30	-0.1322	0.0368	-0.0817	0.0520	-5.05	-47.22	-0.97
	-30 - -20	-0.0704	#DIV/0!	-0.0511	0.0381	-1.94	-31.86	-0.51
	-20 - -10	-0.0369	#DIV/0!	-0.1072	0.0996	7.03	97.57	0.71
	-10 - 0	-0.0522	0.0015	-0.1320	0.0680	7.98	86.69	1.17
	0 - 10	-0.0158	0.0049	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Cross Section (2)	-50 - -40	#DIV/0!	#DIV/0!	-0.1599	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-40 - -30	-0.0520	#DIV/0!	-0.0909	#DIV/0!	3.89	54.44	#DIV/0!
	-30 - -20	-0.0637	0.0552	-0.0436	0.0180	-2.01	-37.46	-1.11
	-20 - -10	-0.0426	0.0037	-0.0806	0.0586	3.80	61.65	0.65
	-10 - 0	-0.0596	0.0061	-0.0724	0.0395	1.28	19.33	0.32
	0 - 10	-0.0109	#DIV/0!	-0.0299	#DIV/0!	1.90	93.14	#DIV/0!
Cross Section (3)	-50 - -40	-0.1111	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-40 - -30	-0.1421	#DIV/0!	-0.1155	0.0674	-2.67	-20.70	-0.40
	-30 - -20	-0.1056	#DIV/0!	-0.0468	0.0310	-5.88	-77.17	-1.90
	-20 - -10	-0.0597	0.0261	-0.0590	0.0227	-0.06	-1.04	-0.03
	-10 - 0	-0.0657	0.0465	-0.0449	#DIV/0!	-2.08	-37.54	#DIV/0!
	0 - 10	-0.0106	0.0008	-0.0278	0.0017	1.72	89.58	10.14
Cross Section (4)	-50 - -40	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-40 - -30	-0.1368	0.0489	-0.0404	#DIV/0!	-9.64	-108.78	#DIV/0!
	-30 - -20	-0.1577	0.0467	-0.0583	0.0514	-9.94	-91.99	-1.93
	-20 - -10	-0.1006	0.0293	-0.0403	0.0088	-6.03	-85.59	-6.87
	-10 - 0	-0.0459	0.0117	-0.0518	0.0059	0.60	12.19	1.00
	0 - 10	-0.0103	0.0043	-0.0196	0.0163	0.94	62.80	0.58
Cross Section (5)	-50 - -40	-0.0242	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-40 - -30	-0.1254	0.0130	-0.0862	0.0148	-3.93	-37.11	-2.66
	-30 - -20	-0.1321	#DIV/0!	-0.0605	0.0330	-7.17	-74.42	-2.17
	-20 - -10	-0.0665	0.0311	-0.0467	0.0170	-1.98	-35.05	-1.17
	-10 - 0	-0.0304	#DIV/0!	-0.0500	0.0078	1.96	48.82	2.52
	0 - 10	-0.0059	#DIV/0!	-0.0150	0.0118	0.91	87.08	0.77

St. Genevieve

Taking all data in account (30 years)

	2007	2005	1986	1982	1976	Average	Standard Deviation	
Cross Section (1)	Area/below 0	21448.79	19203.39	11044.60	12277.86	15346.14	4435.55	
	Area/below 10	37811.73	34287.83	26004.56	26627.26	31022.69	5029.21	
	Depth	-26.10	-22.98	-22.94	-25.72	-22.70	-24.09	1.67
	Slope	-0.03	-0.02	-0.03	-0.03	-0.02	-0.02	0.01
	Width	1675.66	1580.48	1694.69	1698.81	1689.40	1667.81	49.60
	Width/below 0	1511.31	1378.02	951.24	1142.31	1285.99	1253.77	216.07
	Width/below10	1691.32	1580.48	1694.69	1698.81	1689.40	1670.94	50.70
	Wetted Perm./0	1518.30	1406.60	954.87	1145.31	1302.89	1265.59	221.44
	Wetted Perm./10	1714.01	1624.39	1711.66	1717.38	1721.27	1697.74	41.17
	Cross Section (2)	Area/below 0	21444.03	19565.79	11735.96	16935.97	15921.33	3712.74
Area/below 10		36586.71	33843.18	26134.17	30401.74	31448.41	3911.49	
Depth		-34.42	-30.76	-27.10	-35.69	-27.23	-31.04	3.97
Slope		-0.03	-0.02	-0.03	-0.03	-0.03	-0.03	0.00
Width		1563.49	1504.80	1647.62	1655.24	1651.32	1604.50	67.54
Width/below 0		1357.75	1279.95	914.06	1150.66	1219.12	1184.31	169.27
Width/below10		1635.89	1504.80	1647.62	1607.62	1651.32	1609.45	60.96
Wetted Perm./0		1369.79	1317.16	919.08	1161.55	1239.05	1201.32	176.40
Wetted Perm./10		1711.02	1556.23	1665.92	1620.69	1686.06	1647.98	61.05
Cross Section (3)		Area/below 0	21706.81	19315.57	13776.90	11072.47	12296.53	4632.17
	Area/below 10	35476.36	32979.90	26772.70	23035.71	26615.06	5099.05	
	Depth	-33.81	-27.36	-32.41	-24.60	-24.78	-28.59	4.30
	Slope	-0.03	-0.02	-0.04	-0.04	-0.02	-0.03	0.01
	Width	1435.18	1473.05	1494.39	1498.20	1498.20	1479.81	27.05
	Width/below 0	1247.76	1188.98	904.70	952.34	1063.40	1071.44	147.44
	Width/below10	1435.18	1473.05	1494.39	1498.20	1498.20	1479.81	27.05
	Wetted Perm./0	1260.52	1223.12	915.91	962.74	1088.69	1090.20	152.73
	Wetted Perm./10	1457.41	1522.19	1519.17	1515.74	1538.82	1510.67	31.06

Cross Section (4)	Area/below 0	20824.58	19633.49	13552.97	13917.69	17319.97	17049.74	3280.07
	Area/below 10	31033.47	33094.05	27497.93	24931.08	33804.53	30072.21	3776.37
	Depth	-32.78	-27.29	-32.85	-32.07	-25.34	-30.07	3.51
	Slope	-0.04	-0.03	-0.04	-0.04	-0.02	-0.03	0.01
	Width	1300.16	1465.58	1677.48	1677.41	1673.60	1558.85	170.97
	Width/below 0	1129.78	1156.10	876.86	839.34	1521.59	1104.73	273.58
	Width/below10	1300.16	1465.58	1677.48	1348.08	1673.60	1492.98	177.19
	Wetted Perm./0	1138.31	1187.25	885.21	850.21	1547.34	1121.66	280.79
	Wetted Perm./10	1320.62	1510.33	1698.04	1362.70	1715.95	1521.53	183.49
	Area/below 0	21319.40	17338.22	12808.18	15147.46	14466.95	16216.04	3283.23
Cross Section (5)	Area/below 10	34059.04	31061.76	26199.84	27700.52	30442.35	29892.70	3060.64
	Depth	-30.86	-22.86	-32.35	-28.41	-18.86	-26.67	5.66
	Slope	-0.04	-0.03	-0.06	-0.03	-0.01	-0.03	0.02
	Width	1291.66	1530.50	1597.54	1601.35	1597.54	1523.72	133.06
	Width/below 0	1200.01	1129.00	866.59	1033.60	1597.54	1165.35	272.00
	Width/below10	1291.66	1530.50	1597.54	1514.06	1597.54	1506.26	125.86
	Wetted Perm./0	1207.15	1153.47	871.70	1039.87	1618.59	1178.16	277.70
	Wetted Perm./10	1312.48	1570.37	1615.58	1535.62	1638.59	1534.53	130.37
	Area/below 0	21739.07	16499.10	11699.99	18739.23	12999.46	16335.37	4111.58
	Area/below 10	35852.05	30834.41	24903.71	32438.22	29936.40	30792.96	3991.24
Cross Section (6)	Depth	-26.75	-20.29	-32.68	-27.73	-16.77	-24.84	6.31
	Slope	-0.03	-0.03	-0.04	-0.03	-0.01	-0.03	0.01
	Width	1437.39	1631.64	1737.84	1737.84	1741.19	1657.18	131.37
	Width/below 0	1310.55	1165.28	928.73	1176.27	1549.44	1226.05	227.10
	Width/below10	1437.39	1631.64	1737.84	1680.38	1741.19	1645.69	124.90
	Wetted Perm./0	1318.67	1189.82	934.88	1188.15	1562.65	1238.84	228.36
	Wetted Perm./10	1457.49	1673.18	1754.52	1702.41	1769.52	1671.42	125.76

Cross Section (7)	Area/below 0	21529.46	16139.33	13210.22	16047.50	13875.10	16160.32	3269.79
	Area/below 10	35239.49	30313.31	25377.13	30167.40	29887.59	30196.98	3491.70
	Depth	-29.13	-21.55	-32.95	-29.76	-20.23	-26.73	5.54
	Slope	-0.03	-0.03	-0.04	-0.03	-0.02	-0.03	0.01
	Width	1429.51	1596.48	1629.44	1645.04	1640.78	1588.25	90.76
	Width/below 0	1252.89	1167.01	967.96	1003.37	1419.93	1162.23	185.49
	Width/below10	1429.51	1596.48	1629.44	1643.81	1640.78	1588.00	90.56
	Wetted Perm./0	1261.39	1196.98	975.05	1007.25	1432.51	1174.64	188.66
	Wetted Perm./10	1446.96	1642.55	1643.01	1668.64	1668.70	1613.97	94.26
	Area/below 0	20838.46	522.07	12886.47	15896.34	12107.71	12450.21	7497.11
Cross Section (8)	Area/below 10	33805.87	25083.07	24593.70	27636.45	24872.77	27198.37	3889.67
	Depth	-33.21	-25.85	-24.61	-31.65	-22.74	-27.61	4.57
	Slope	-0.03	-0.03	-0.03	-0.04	-0.02	-0.03	0.01
	Width	1348.15	1154.26	1299.46	1555.25	1467.21	1364.87	154.62
	Width/below 0	1202.57	925.28	997.97	926.91	1093.91	1029.33	118.83
	Width/below10	1348.15	1154.26	1299.46	1555.25	1429.88	1357.40	149.25
	Wetted Perm./0	1211.58	958.44	1004.12	934.55	1117.10	1045.16	116.52
	Wetted Perm./10	1365.70	1203.75	1312.06	1570.96	1468.38	1384.17	141.49
	Area/below 0	19851.89	16809.05	14838.37	16333.11	11426.82	15851.85	3072.30
	Area/below 10	32736.93	28547.83	31292.51	30494.27	24996.16	29613.54	2991.91
Cross Section (9)	Depth	-26.55	-27.29	-23.82	-30.17	-20.34	-25.63	3.72
	Slope	-0.02	-0.03	-0.03	-0.04	-0.02	-0.03	0.01
	Width	1303.24	1267.35	1647.06	1538.03	1476.16	1446.37	159.77
	Width/below 0	1203.31	984.48	1619.02	948.93	1027.89	1156.73	276.29
	Width/below10	1303.24	1267.35	1647.06	1538.03	1476.16	1446.37	159.77
	Wetted Perm./0	1209.98	1012.54	1625.42	960.98	1048.35	1171.45	270.31
	Wetted Perm./10	1322.38	1311.76	1672.30	1572.56	1512.07	1478.21	157.88

Cross Section (10)	Area/below 0	19527.41	15942.72	12832.23	22110.06	11621.63	16406.81	4420.30
	Area/below 10	32377.36	34157.21	27488.64	37865.65	25865.47	31550.87	4903.52
	Depth	-25.68	-25.65	-18.93	-28.45	-16.97	-23.14	4.92
	Slope	-0.03	-0.03	-0.03	-0.02	-0.02	-0.03	0.01
	Width	1285.51	1621.44	1735.92	1575.56	1566.55	1557.00	166.06
	Width/below 0	1251.21	1041.09	1031.89	1575.56	1066.84	1193.32	231.67
	Width/below10	1285.51	1621.44	1735.92	1575.56	1566.55	1557.00	166.06
	Wetted Perm./0	1256.03	1068.83	1037.00	1597.18	1084.10	1208.63	233.31
	Wetted Perm./10	1318.47	1679.48	1750.83	1617.18	1599.66	1593.12	164.61
	Area/below 0	19747.64	19065.38	16147.74	23650.54	13881.33	18498.53	3717.17
Cross Section (11)	Area/below 10	33311.36	33253.94	31010.66	39672.67	30650.48	33579.82	3622.25
	Depth	-23.02	-24.16	-21.06	-26.29	-14.07	-21.72	4.68
	Slope	0.02	0.02	0.02	0.02	0.02	0.02	0.00
	Width	1356.37	1418.86	1553.98	1660.87	1689.80	1535.97	146.25
	Width/below 0	1356.37	1418.86	1395.32	1502.45	1415.64	1417.73	53.50
	Width/below10	1356.37	1418.86	1553.98	1660.87	1689.80	1535.97	146.25
	Wetted Perm./0	1376.47	1443.14	1399.83	1518.55	1696.35	1486.87	129.00
	Wetted Perm./10	1396.47	1463.14	1568.83	1690.08	1720.74	1567.85	140.23

Years 1986-1976 (Before Weirs were built)

		Average	Standard Deviation
Cross Section (1)	Area/below 0	12889.53	2215.05
	Area/below 10	27884.84	2735.24
	Depth	-23.79	1.68
	Slope	-0.03	0.01
	Width	1694.30	4.72
	Width/below 0	1126.51	167.93
	Width/below10	1694.30	4.72
	Wetted Perm./0	1134.36	174.27
	Wetted Perm./10	1716.77	4.84
	Cross Section (2)	Area/below 0	14864.42
Area/below 10		29328.10	2815.10
Depth		-30.01	4.92
Slope		-0.03	0.00
Width		1651.40	3.81
Width/below 0		1094.61	160.07
Width/below10		1635.52	24.23
Wetted Perm./0		1106.56	166.92
Wetted Perm./10		1657.56	33.48
Cross Section (3)		Area/below 0	12381.97
	Area/below 10	25474.49	2113.52
	Depth	-27.26	4.46
	Slope	-0.03	0.01
	Width	1496.93	2.20
	Width/below 0	973.48	81.43
	Width/below10	1496.93	2.20
	Wetted Perm./0	989.11	89.36
	Wetted Perm./10	1524.58	12.45

	Area/below 0	14930.21	2077.61
	Area/below 10	28744.51	4566.18
	Depth	-30.09	4.13
	Slope	-0.03	0.01
Cross Section (4)	Width	1676.17	2.22
	Width/below 0	1079.26	383.52
	Width/below10	1566.39	189.07
	Wetted Perm./0	1094.25	392.77
	Wetted Perm./10	1592.23	198.98
	Area/below 0	14140.86	1203.25
	Area/below 10	28114.24	2151.30
	Depth	-26.54	6.94
	Slope	-0.03	0.02
Cross Section (5)	Width	1598.81	2.20
	Width/below 0	1165.91	383.02
	Width/below10	1569.71	48.20
	Wetted Perm./0	1176.72	391.80
	Wetted Perm./10	1596.60	54.04
	Area/below 0	14479.56	3745.77
	Area/below 10	29092.78	3837.44
	Depth	-25.72	8.14
	Slope	-0.03	0.02
Cross Section (6)	Width	1738.96	1.94
	Width/below 0	1218.15	312.47
	Width/below10	1719.80	34.18
	Wetted Perm./0	1228.56	315.83
	Wetted Perm./10	1742.15	35.22

	Area/below 0	14377.61	1483.89
	Area/below 10	28477.37	2688.53
	Depth	-27.65	6.62
	Slope	-0.03	0.01
Cross Section (7)	Width	1638.42	8.07
	Width/below 0	1130.42	251.35
	Width/below10	1638.01	7.58
	Wetted Perm./0	1138.27	255.32
	Wetted Perm./10	1660.12	14.82
	Area/below 0	13630.17	2000.81
	Area/below 10	25700.97	1681.97
	Depth	-26.33	4.69
	Slope	-0.03	0.01
Cross Section (8)	Width	1440.64	129.95
	Width/below 0	1006.26	83.81
	Width/below10	1428.20	127.91
	Wetted Perm./0	1018.59	92.13
	Wetted Perm./10	1450.47	130.38
	Area/below 0	14199.43	2514.78
	Area/below 10	28927.65	3428.08
	Depth	-24.78	4.98
	Slope	-0.03	0.01
Cross Section (9)	Width	1553.75	86.52
	Width/below 0	1198.61	366.22
	Width/below10	1553.75	86.52
	Wetted Perm./0	1211.58	361.05
	Wetted Perm./10	1585.64	80.91

	Area/below 0	15521.31	5738.05
	Area/below 10	30406.59	6510.52
	Depth	-21.45	6.14
	Slope	-0.02	0.01
Cross Section (10)	Width	1626.01	95.29
	Width/below 0	1224.76	304.30
	Width/below10	1626.01	95.29
	Wetted Perm./0	1239.43	310.72
	Wetted Perm./10	1655.89	82.68
	Area/below 0	17893.21	5113.15
	Area/below 10	33777.93	5108.16
	Depth	-20.48	6.13
	Slope	0.02	0.00
Cross Section (11)	Width	1634.88	71.54
	Width/below 0	1437.81	56.90
	Width/below10	1634.88	71.54
	Wetted Perm./0	1538.24	149.24
	Wetted Perm./10	1659.89	80.33

Only 2007 and 2005 (After Weirs were built)

Before and after

		Average	Standard Deviation
Cross Section (1)	Area/below 0	20326.09	11788.85
	Area/below 10	36049.78	2491.78
	Depth	-24.54	2.21
	Slope	-0.02	0.01
	Width	1628.07	67.31
	Width/below 0	1444.67	94.25
	Width/below10	1635.90	78.38
	Wetted Perm./0	1462.45	78.98
	Wetted Perm./10	1669.20	63.37
	Cross Section (2)	Area/below 0	20504.91
Area/below 10		35214.94	1939.97
Depth		-32.59	2.59
Slope		-0.03	0.00
Width		1534.15	41.50
Width/below 0		1318.85	55.01
Width/below10		1570.34	92.69
Wetted Perm./0		1343.47	37.21
Wetted Perm./10		1633.63	109.45
Cross Section (3)		Area/below 0	20511.19
	Area/below 10	34228.13	19801.00
	Depth	-30.59	17.95
	Slope	-0.03	0.02
	Width	1454.11	839.75
	Width/below 0	1218.37	704.04
	Width/below10	1454.11	839.75
	Wetted Perm./0	1241.82	717.21
	Wetted Perm./10	1489.80	860.74

Differences	Percent Difference
7436.55	57.7
8164.95	29.3
-0.75	3.2
0.01	-19.8
-66.23	-3.9
318.15	28.2
-58.40	-3.4
328.09	28.9
-47.57	-2.8
5640.49	37.9
5886.84	20.1
-2.59	8.6
0.01	-19.3
-117.25	-7.1
224.24	20.5
-65.18	-4.0
236.91	21.4
-23.93	-1.4
8129.22	65.7
8753.64	34.4
-3.32	12.2
0.01	-17.9
-42.82	-2.9
244.89	25.2
-42.82	-2.9
252.71	25.5
-34.78	-2.3

	Area/below 0	20229.04	11694.41
	Area/below 10	32063.76	18540.67
	Depth	-30.04	17.56
	Slope	-0.04	0.02
Cross Section (4)	Width	1382.87	802.67
	Width/below 0	1142.94	660.01
	Width/below10	1382.87	802.67
	Wetted Perm./0	1162.78	671.78
	Wetted Perm./10	1415.48	822.71
	Area/below 0	19328.81	11335.64
	Area/below 10	32560.40	18858.40
	Depth	-26.86	16.01
	Slope	-0.04	0.02
Cross Section (5)	Width	1411.08	823.39
	Width/below 0	1164.51	673.26
	Width/below10	1411.08	823.39
	Wetted Perm./0	1180.31	681.98
	Wetted Perm./10	1441.43	842.14
	Area/below 0	19119.08	11345.08
	Area/below 10	33343.23	19413.51
	Depth	-23.52	13.96
	Slope	-0.03	0.02
Cross Section (6)	Width	1534.51	891.26
	Width/below 0	1237.92	718.39
	Width/below10	1534.51	891.26
	Wetted Perm./0	1254.25	727.00
	Wetted Perm./10	1565.33	910.16

	5298.82	35.5
	3319.25	11.5
	0.05	-0.2
	0.00	6.5
	-293.30	-17.5
	63.68	5.9
	-183.52	-11.7
	68.53	6.3
	-176.76	-11.1
	5187.95	36.7
	4446.16	15.8
	-0.32	1.2
	0.00	6.6
	-187.74	-11.7
	-1.40	-0.1
	-158.64	-10.1
	3.59	0.3
	-155.17	-9.7
	4639.53	32.0
	4250.45	14.6
	2.21	-8.6
	-0.01	20.6
	-204.45	-11.8
	19.77	1.6
	-185.29	-10.8
	25.68	2.1
	-176.82	-10.1

	Area/below 0	18834.40	11203.04
	Area/below 10	32776.40	19083.09
	Depth	-25.34	15.12
	Slope	-0.03	0.02
Cross Section (7)	Width	1513.00	877.51
	Width/below 0	1209.95	699.88
	Width/below10	1513.00	877.51
	Wetted Perm./0	1229.18	710.40
	Wetted Perm./10	1544.75	897.21
	Area/below 0	10680.26	11883.25
	Area/below 10	29444.47	17550.33
	Depth	-29.53	17.44
	Slope	-0.03	0.02
Cross Section (8)	Width	1251.21	728.86
	Width/below 0	1063.93	629.71
	Width/below10	1251.21	728.86
	Wetted Perm./0	1085.01	639.09
	Wetted Perm./10	1284.73	746.14
	Area/below 0	18330.47	10691.90
	Area/below 10	30642.38	17814.95
	Depth	-26.92	15.55
	Slope	-0.03	0.02
Cross Section (9)	Width	1285.29	742.28
	Width/below 0	1093.90	640.97
	Width/below10	1285.29	742.28
	Wetted Perm./0	1111.26	649.14
	Wetted Perm./10	1317.07	760.43

	4456.79	31.0
	4299.02	15.1
	2.30	-8.3
	0.00	-10.9
	-125.42	-7.7
	79.53	7.0
	-125.01	-7.6
	90.91	8.0
	-115.36	-6.9
	-2949.91	-21.6
	3743.49	14.6
	-3.20	12.1
	0.00	6.6
	-189.43	-13.1
	57.66	5.7
	-176.99	-12.4
	66.42	6.5
	-165.74	-11.4
	4131.03	29.1
	1714.74	5.9
	-2.14	8.7
	0.01	-19.4
	-268.46	-17.3
	-104.72	-8.7
	-268.46	-17.3
	-100.32	-8.3
	-268.57	-16.9

Cross Section (10)	Area/below 0	17735.07	10395.03
	Area/below 10	33267.29	19227.48
	Depth	-25.66	14.82
	Slope	-0.03	0.02
	Width	1453.47	855.81
	Width/below 0	1146.15	670.02
	Width/below10	1453.47	855.81
	Wetted Perm./0	1162.43	677.62
	Wetted Perm./10	1498.98	884.06
	Cross Section (11)	Area/below 0	19406.51
Area/below 10		33282.65	19215.77
Depth		-23.59	13.63
Slope		0.02	0.01
Width		1387.61	801.75
Width/below 0		1387.61	801.75
Width/below10		1387.61	801.75
Wetted Perm./0		1409.80	814.63
Wetted Perm./10		1429.80	826.17

2213.76	14.3
2860.70	9.4
-4.21	19.6
-0.01	39.0
-172.54	-10.6
-78.61	-6.4
-172.54	-10.6
-77.00	-6.2
-156.92	-9.5
1513.31	8.5
-495.29	-1.5
-3.11	15.2
0.00	-9.8
-247.27	-15.1
-50.19	-3.5
-247.27	-15.1
-128.44	-8.3
-230.08	-13.9

		2007		2005		1986		1982		1976	
		Slope	R2 Value	Slope	R2 Value	Slope	R2 Value	Slope	R2 Value	Slope	R2 Value
Cross Section (1)	-30 - -20	-0.0315	0.7515	-0.0028	0.429	-0.0165	0.7386	-0.0395	0.9828	-0.0193	0.6191
	-20 - -10	-0.0054	0.0818	-0.0234	0.8798	-0.0313	0.9407	-0.03	0.9923	-0.0233	0.927
	-10 - 0	-0.0203	0.983	-0.0195	0.9691	-0.0313	0.9836	-0.0225	0.9357	-0.0181	0.9875
	0 - 10	-0.0383	0.9878	-0.0327	0.9703	-0.006	0.7303	-0.0156	0.8772	-0.014	0.9708
Cross Section (2)	-40 - -30	-0.1819	0.9981	-0.0286	0.9158			-0.0499	0.9786		
	-30 - -20	-0.0149	0.7759	-0.006	0.5137	-0.0311	0.9459	-0.0439	0.9949	-0.0701	0.9881
	-20 - -10	-0.0262	0.9396	-0.0301	0.9152	-0.0404	0.8827			-0.0192	0.9489
	-10 - 0	-0.0234	0.9932	-0.0214	0.9594	-0.0332	0.9953	-0.0183	0.7031	-0.0237	0.9845
	0 - 10	-0.0361	0.9911	-0.0309	0.982	-0.0066	0.6951	-0.0223	0.9438	-0.0119	0.9666
Cross Section (3)	-40 - -30	-0.0091	0.29			-0.0375	0.9994				
	-30 - -20	-0.0212	0.5829	-0.0098	0.7858	-0.0383	0.9959	-0.0348	0.9945	-0.0332	0.8093
	-20 - -10	-0.0287	0.9593	-0.0301	0.9527	-0.0345	0.7486	-0.0348	0.9498	-0.0198	0.9878
	-10 - 0	-0.0267	0.9874	-0.024	0.9557	-0.0336	0.9802	-0.0367	0.9623	-0.0234	0.9748
	0 - 10	-0.0287	0.9728	-0.0328	0.9804	-0.0065	0.5332	-0.0221	0.996	-0.0101	0.825
Cross Section (4)	-40 - -30	-0.1349	0.8898			-0.038	1	-0.0373	1		
	-30 - -20	-0.0276	0.9141	-0.0422	0.9511	-0.0434	0.9761	-0.0308	0.9968	-0.0135	0.8002
	-20 - -10	-0.0444	0.9851	-0.0263	0.8434	-0.1002	0.9928	-0.0557	0.9961	-0.0205	0.9895
	-10 - 0	-0.0388	0.9948	-0.0278	0.9623	-0.0256	0.9749	-0.0386	0.9783	-0.0126	0.952
	0 - 10	-0.0214	0.9791	-0.0256	0.9758	-0.0069	0.6982	-0.022	0.9837	-0.0218	0.9858
Cross Section (5)	-40 - -30	-0.0775	1			-0.0627	1				
	-30 - -20	-0.0365	0.8427	-0.014	0.827			-0.0173	0.8732		
	-20 - -10	-0.0433	0.9794	-0.0369	0.9757	-0.0969	0.9995	-0.0456	0.9888	-0.0156	0.9436
	-10 - 0	-0.0373	0.9925	-0.0369	0.9757	-0.0292	0.9911	-0.0311	0.9441	-0.0074	0.7111
	0 - 10	-0.019	0.9651	-0.0068	0.355	-0.0056	0.4941	-0.0269	0.9379		
Cross Section (6)	-40 - -30					-0.0647	0.9976				
	-30 - -20	-0.0259	0.8749	-0.3884	1	-0.0782	0.9707	-0.0161	0.8771		
	-20 - -10	-0.0347	0.9722	-0.0315	0.9479	-0.0454	0.9342	-0.0344	0.9756	-0.0182	0.979
	-10 - 0	-0.0362	0.9909	-0.032	0.9377	-0.0267	0.9789	-0.0353	0.8409	-0.0086	0.8283
	0 - 10	-0.0186	0.872	-0.0161	0.9505	-0.0113	0.7093	-0.0202	0.8361	-0.0292	0.9558

Cross Section (7)	-40 - -30						-0.0616	1				
	-30 - -20	-0.0097	0.7635	-0.0258	0.7729	-0.058	0.9715	-0.0263	0.9693	-0.0076	0.6137	
	-20 - -10	-0.0356	0.9737	-0.0191	0.9218	-0.0328	0.989	-0.053	0.9916	-0.0199	0.9934	
	-10 - 0	-0.0376	0.9967	-0.028	0.9196	-0.0296	0.9559	-0.033	0.9872	-0.0128	0.8596	
	0 - 10	-0.0219	0.8114	-0.0166	0.8858	-0.0181	0.904	-0.0181	0.8959	-0.0207	0.9559	
Cross Section (8)	-40 - -30	-0.0836	0.9878					-0.0446	1			
	-30 - -20	-0.0191	0.8748	-0.0146	0.4553	-0.0287	0.9159	-0.0272	0.9451	-0.0107	0.6487	
	-20 - -10	-0.0326	0.9492	-0.0231	0.8428	-0.0177	0.948	-0.0373	0.9899	-0.0265	0.98	
	-10 - 0	-0.036	0.9943	-0.0311	0.8584	-0.0365	0.9824	-0.0475	0.9886	-0.0168	0.9425	
	0 - 10	-0.0516	0.9806	-0.025	0.9092	-0.0224	0.7756	-0.0139	0.8824	-0.0123	0.9662	
Cross Section (9)	-40 - -30							-0.0299	1			
	-30 - -20	-0.0082	0.5831	-0.0072	0.5619	-0.0223	0.9903	-0.041	0.9993	-0.0622	1	
	-20 - -10	-0.025	0.9559	-0.0429	0.97	-0.0306	0.9789	-0.049	0.9975	-0.027	0.9885	
	-10 - 0	-0.0364	0.9961	-0.0372	0.8486	-0.0279	0.9708	-0.0453	0.9962	-0.0217	0.9172	
	0 - 10	-0.0377	0.9544	-0.0223	0.7097	0.015	0.606	0.0105	0.2557	-0.0109	0.9802	
Cross Section (10)	-30 - -20	-0.0102	0.4505	-0.0162	0.5774			-0.034	0.971			
	-20 - -10	-0.0207	0.9637	-0.0239	0.7703	-0.0307	0.9896	-0.0479	0.9132	-0.0077	0.4777	
	-10 - 0	-0.0332	0.989	-0.0297	0.9366	-0.0338	0.9802	-0.0023	0.0633	-0.0221	0.9797	
	0 - 10			0.013	0.484	-0.0078	0.4675			-0.008	0.854	
Cross Section (11)	-30 - -20	-0.0109	0.9321	-0.0337	0.7647	-0.0101	0.9997	-0.018	0.9283			
	-20 - -10	-0.0155	0.9027	-0.0286	0.9614	-0.0214	0.8896	-0.0305	0.9858	-0.0167	0.9174	
	-10 - 0	-0.0199	0.8551	-0.0077	0.4764	-0.0101	0.317	-0.011	0.6665	-0.0316	0.9098	
	0 - 10					-0.0472	0.9995	-0.0421	0.991	-0.0098	0.3431	

		2007	2005	1986	1982	1976
		Slope	Slope	Slope	Slope	Slope
Cross Section (1)	-30 - -20				-0.0395	
	-20 - -10		-0.0234	-0.0313	-0.03	-0.0233
	-10 - 0	-0.0203	-0.0195	-0.0313	-0.0225	-0.0181
	0 - 10	-0.0383	-0.0327		-0.0156	-0.014
Cross Section (2)	-40 - -30	-0.1819	-0.0286		-0.0499	
	-30 - -20			-0.0311	-0.0439	-0.0701
	-20 - -10	-0.0262	-0.0301	-0.0404		-0.0192
	-10 - 0	-0.0234	-0.0214	-0.0332		-0.0237
	0 - 10	-0.0361	-0.0309		-0.0223	-0.0119
Cross Section (3)	-40 - -30			-0.0375		
	-30 - -20			-0.0383	-0.0348	-0.0332
	-20 - -10	-0.0287	-0.0301		-0.0348	-0.0198
	-10 - 0	-0.0267	-0.024	-0.0336	-0.0367	-0.0234
	0 - 10	-0.0287	-0.0328		-0.0221	-0.0101
Cross Section (4)	-40 - -30	-0.1349		-0.038	-0.0373	
	-30 - -20	-0.0276	-0.0422	-0.0434	-0.0308	-0.0135
	-20 - -10	-0.0444	-0.0263	-0.1002	-0.0557	-0.0205
	-10 - 0	-0.0388	-0.0278	-0.0256	-0.0386	-0.0126
	0 - 10	-0.0214	-0.0256		-0.022	-0.0218
Cross Section (5)	-40 - -30	-0.0775		-0.0627		
	-30 - -20	-0.0365	-0.014		-0.0173	
	-20 - -10	-0.0433	-0.0369	-0.0969	-0.0456	-0.0156
	-10 - 0	-0.0373	-0.0369	-0.0292	-0.0311	
	0 - 10	-0.019			-0.0269	
Cross Section (6)	-40 - -30			-0.0647		
	-30 - -20	-0.0259	-0.3884	-0.0782	-0.0161	
	-20 - -10	-0.0347	-0.0315	-0.0454	-0.0344	-0.0182
	-10 - 0	-0.0362	-0.032	-0.0267	-0.0353	-0.0086
	0 - 10	-0.0186	-0.0161		-0.0202	-0.0292

Cross Section (7)	-40 - -30			-0.0616		
	-30 - -20			-0.058	-0.0263	
	-20 - -10	-0.0356	-0.0191	-0.0328	-0.053	-0.0199
	-10 - 0	-0.0376	-0.028	-0.0296	-0.033	-0.0128
	0 - 10	-0.0219	-0.0166	-0.0181	-0.0181	-0.0207
Cross Section (8)	-40 - -30	-0.0836			-0.0446	
	-30 - -20	-0.0191		-0.0287	-0.0272	
	-20 - -10	-0.0326	-0.0231	-0.0177	-0.0373	-0.0265
	-10 - 0	-0.036	-0.0311	-0.0365	-0.0475	-0.0168
	0 - 10	-0.0516	-0.025		-0.0139	-0.0123
Cross Section (9)	-40 - -30				-0.0299	
	-30 - -20			-0.0223	-0.041	-0.0622
	-20 - -10	-0.025	-0.0429	-0.0306	-0.049	-0.027
	-10 - 0	-0.0364	-0.0372	-0.0279	-0.0453	-0.0217
	0 - 10	-0.0377				-0.0109
Cross Section (10)	-30 - -20				-0.034	
	-20 - -10	-0.0207		-0.0307	-0.0479	
	-10 - 0	-0.0332	-0.0297	-0.0338		-0.0221
	0 - 10					-0.008
Cross Section (9)	-30 - -20	-0.0109		-0.0101	-0.01802	
	-20 - -10	-0.0155	-0.0286	-0.0214	-0.0305	-0.0167
	-10 - 0	-0.0199				-0.0316
	0 - 10			-0.0472	-0.0421	

		Average	Std. Deviation	Average	Std. Deviation	Diff. in Slope	% Difference	Change / Normal Dev.
Cross Section (1)	-30 - -20	#DIV/0!	#DIV/0!	-0.0395	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-20 - -10	-0.0234	#DIV/0!	-0.0282	0.0043	0.48	18.60	1.12
	-10 - 0	-0.0199	0.0006	-0.0240	0.0067	0.41	18.54	0.61
	0 - 10	-0.0355	0.0040	-0.0148	0.0011	-2.07	-82.31	-18.30
Cross Section (2)	-40 - -30	-0.1053	0.1084	-0.0499	#DIV/0!	-5.54	-71.35	#DIV/0!
	-30 - -20	#DIV/0!	#DIV/0!	-0.0484	0.0199	#DIV/0!	#DIV/0!	#DIV/0!
	-20 - -10	-0.0282	0.0028	-0.0298	0.0150	0.17	5.69	0.11
	-10 - 0	-0.0224	0.0014	-0.0285	0.0067	0.61	23.80	0.90
	0 - 10	-0.0335	0.0037	-0.0171	0.0074	-1.64	-64.82	-2.23
Cross Section (3)	-40 - -30	#DIV/0!	#DIV/0!	-0.0375	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-30 - -20	#DIV/0!	#DIV/0!	-0.0354	0.0026	#DIV/0!	#DIV/0!	#DIV/0!
	-20 - -10	-0.0294	0.0010	-0.0273	0.0106	-0.21	-7.41	-0.20
	-10 - 0	-0.0254	0.0019	-0.0312	0.0070	0.59	20.80	0.85
	0 - 10	-0.0308	0.0029	-0.0161	0.0085	-1.47	-62.54	-1.73
Cross Section (4)	-40 - -30	-0.1349	#DIV/0!	-0.0377	0.0005	-9.73	-112.72	-196.47
	-30 - -20	-0.0349	0.0103	-0.0292	0.0150	-0.57	-17.67	-0.38
	-20 - -10	-0.0354	0.0128	-0.0588	0.0399	2.35	49.81	0.59
	-10 - 0	-0.0333	0.0078	-0.0256	0.0130	-0.77	-26.15	-0.59
	0 - 10	-0.0235	0.0030	-0.0219	0.0001	-0.16	-7.05	-11.31
Cross Section (5)	-40 - -30	-0.0775	#DIV/0!	-0.0627	#DIV/0!	-1.48	-21.11	#DIV/0!
	-30 - -20	-0.0253	0.0159	-0.0173	#DIV/0!	-0.80	-37.37	#DIV/0!
	-20 - -10	-0.0401	0.0045	-0.0527	0.0411	1.26	27.16	0.31
	-10 - 0	-0.0371	0.0003	-0.0302	0.0013	-0.70	-20.67	-5.17
	0 - 10	-0.0190	#DIV/0!	-0.0269	#DIV/0!	0.79	34.42	#DIV/0!
Cross Section (6)	-40 - -30	#DIV/0!	#DIV/0!	-0.0647	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-30 - -20	-0.2072	0.2563	-0.0472	0.0439	-16.00	-125.84	-3.64
	-20 - -10	-0.0331	0.0023	-0.0327	0.0137	-0.04	-1.32	-0.03
	-10 - 0	-0.0341	0.0030	-0.0235	0.0136	-1.06	-36.67	-0.78
	0 - 10	-0.0174	0.0018	-0.0247	0.0064	0.74	34.96	1.15

Cross Section (7)	-40 - -30	#DIV/0!	#DIV/0!	-0.0616	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-30 - -20	#DIV/0!	#DIV/0!	-0.0422	0.0224	#DIV/0!	#DIV/0!	#DIV/0!
	-20 - -10	-0.0274	0.0117	-0.0352	0.0167	0.79	25.19	0.47
	-10 - 0	-0.0328	0.0068	-0.0251	0.0108	-0.77	-26.47	-0.71
	0 - 10	-0.0193	0.0037	-0.0190	0.0015	-0.03	-1.48	-0.19
Cross Section (8)	-40 - -30	-0.0836	#DIV/0!	-0.0446	#DIV/0!	-3.90	-60.84	#DIV/0!
	-30 - -20	-0.0191	#DIV/0!	-0.0280	0.0011	0.89	37.62	8.34
	-20 - -10	-0.0279	0.0067	-0.0272	0.0098	-0.07	-2.48	-0.07
	-10 - 0	-0.0336	0.0035	-0.0336	0.0156	0.01	0.15	0.00
	0 - 10	-0.0383	0.0188	-0.0131	0.0011	-2.52	-98.05	-22.27
Cross Section (9)	-40 - -30	#DIV/0!	#DIV/0!	-0.0299	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-30 - -20	#DIV/0!	#DIV/0!	-0.0418	0.0200	#DIV/0!	#DIV/0!	#DIV/0!
	-20 - -10	-0.0340	0.0127	-0.0355	0.0118	0.16	4.56	0.13
	-10 - 0	-0.0368	0.0006	-0.0316	0.0122	-0.52	-15.10	-0.42
	0 - 10	-0.0377	#DIV/0!	-0.0109	#DIV/0!	-2.68	-110.29	#DIV/0!
Cross Section (10)	-30 - -20	#DIV/0!	#DIV/0!	-0.0340	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	-20 - -10	-0.0207	#DIV/0!	-0.0393	0.0122	1.86	62.00	1.53
	-10 - 0	-0.0315	0.0025	-0.0280	0.0083	-0.35	-11.78	-0.42
	0 - 10	#DIV/0!	#DIV/0!	-0.0080	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Cross Section (11)	-30 - -20	-0.0109	#DIV/0!	-0.0141	0.0056	0.32	25.32	0.56
	-20 - -10	-0.0221	0.0093	-0.0229	0.0070	0.08	3.64	0.12
	-10 - 0	-0.0199	#DIV/0!	-0.0316	#DIV/0!	1.17	45.44	#DIV/0!
	0 - 10	#DIV/0!	#DIV/0!	-0.0447	0.0036	#DIV/0!	#DIV/0!	#DIV/0!