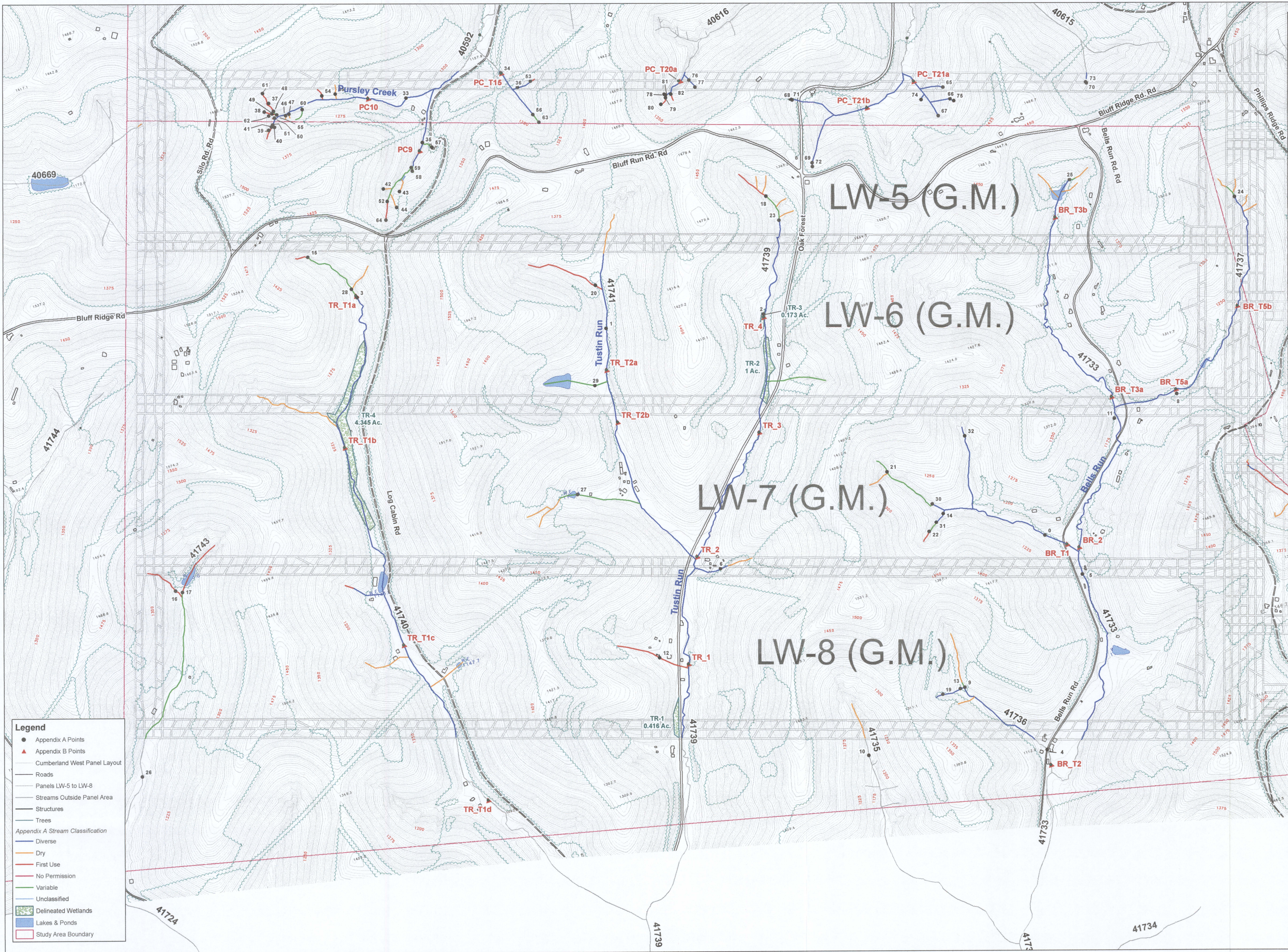




Appendix A Sample Table

Sample ID	Map ID	Type	Latitude	Longitude
BR_2_DIV	5	Diverse	39.792428	-80.252874
BR_DIV	11	Diverse	39.796652	-80.250054
BR_T1_DIV	0	Diverse	39.793852	-80.253856
BR_T1_FU	21	First Use	39.796962	-80.250056
BR_T1_VAR	30	Variable	39.795679	-80.257717
BR_T1A_DIV	14	Diverse	39.795313	-80.257409
BR_T1A_DIV	32	Diverse	39.797361	-80.255799
BR_T1B_FU	22	First Use	39.794896	-80.258121
BR_T1B_VAR	31	Variable	39.795111	-80.257757
BR_T2_DIV	4	Diverse	39.797777	-80.256004
BR_T2_DIV_TOP	9	Diverse	39.790146	-80.256211
BR_T2F_DIV	13	Diverse	39.790141	-80.256905
BR_T2F_FU	19	First Use	39.790119	-80.259314
BR_T3_VAR	25	Variable	39.803862	-80.249232
BR_T4_DIV	10	Diverse	39.788981	-80.262695
BR_T5_DIV	8	Diverse	39.796853	-80.247486
BR_T5_VAR	24	Variable	39.802043	-80.243271
HOV_T3_DIV	7	Diverse	39.792662	-80.291508
HOV_T3_FU	17	First Use	39.795197	-80.286517
HOV_T3_VAR	26	Variable	39.794268	-80.289919
HOV_T3A_FU	16	First Use	39.792251	-80.286755
PC_DIV	33	Diverse	39.811527	-80.273046
PC_DRY	41	Dry	39.811784	-80.273369
PC_FU	51	First Use	39.811836	-80.278305
PC_T15_DIV	34	Diverse	39.811483	-80.269263
PC_T15_SP	63	Spring	39.809766	-80.266364
PC_T15_VAR	56	Variable	39.810034	-80.268508
PC_T15B_DIV	36	Diverse	39.810933	-80.268796
PC_T15B_FU	53	First Use	39.811011	-80.268251
PC_T16_DIV	35	Diverse	39.810126	-80.272902
PC_T16_FU	52	First Use	39.808735	-80.27482
PC_T16_SP	64	Spring	39.808222	-80.275059
PC_T16_VAR	59	Variable	39.809505	-80.27357
PC_T16A_DRY	44	Dry	39.808491	-80.274523
PC_T16B_DRY	43	Dry	39.808919	-80.274366
PC_T16C_DRY	42	Dry	39.809126	-80.274531
PC_T16D_VAR_S	58	Spring	39.8094	-80.27356
PC_T16E_VAR	57	Variable	39.809914	-80.272591
PC_T20_FU	82	First Use	39.809505	-80.263165
PC_T20B_DIV	81	Diverse	39.809518	-80.263372
PC_T20B_FU	79	First Use	39.809441	-80.263398
PC_T20B_SP	80	Spring	39.809292	-80.263339
PC_T20C_VAR	78	Variable	39.809553	-80.263413
PC_T20C_DIV	76	Diverse	39.809758	-80.262348
PC_T20C_SP	77	Spring	39.809508	-80.262192
PC_T21_DIV	68	Diverse	39.808361	-80.258716
PC_T21_SP	71	Spring	39.808402	-80.258778
PC_T21A_DIV	69	Diverse	39.80841	-80.258622
PC_T21A_SP	72	Spring	39.806299	-80.25866
PC_T21B_DIV	67	Diverse	39.806735	-80.253458
PC_T21B1_DIV	66	Diverse	39.807124	-80.252836
PC_T21B1_SP	75	Spring	39.807043	-80.252723
PC_T21B2_DIV	65	Diverse	39.807513	-80.252584
PC_T21B2_SP	74	Spring	39.807332	-80.253822
PC_T24B_DIV	70	Diverse	39.806511	-80.24762
PC_T24B_SP	73	Spring	39.806476	-80.247601
PC_TA_DRY	40	Dry	39.81175	-80.278259
PC_TB_DRY	39	Dry	39.811715	-80.278505
PC_TB_DRY	47	Dry	39.812013	-80.277485
PC_TC_FU	50	First Use	39.812019	-80.278172
PC_TC_SP	62	Spring	39.812121	-80.27836
PC_TD_DRY	38	Dry	39.812272	-80.278484
PC_TD_FU	49	First Use	39.812156	-80.278216
PC_TD_VAR	55	Variable	39.812086	-80.278045
PC_TF_FU	48	First Use	39.812218	-80.278132
PC_TF_SP	51	Spring	39.812613	-80.278355
PC_TF_DRY	37	Dry	39.812485	-80.278226
PC_TF_FU	46	Dry	39.811998	-80.277731
PC_TH_VAR	60	Variable	39.812036	-80.277042
PC_TL_FU	54	First Use	39.812271	-80.27617
PC_TJ_DRY	45	Dry	39.812214	-80.275652
TR_4_DIV	2	Diverse	39.802465	-80.262015
TR_FU	18	First Use	39.80583	-80.260682
TR_T1A_DIV	3	Diverse	39.806213	-80.276852
TR_T1A_FU	15	First Use	39.807789	-80.278369
TR_T1A_VAR	28	Variable	39.806498	-80.277073
TR_T2A_DIV	1	Diverse	39.803319	-80.26801
TR_T2D_FU	20	First Use	39.804641	-80.267958
TR_T2E_VAR	29	Variable	39.80179	-80.269013
TR_T2F_VAR	27	Variable	39.798822	-80.270799
TR_TB_DIV	6	Diverse	39.795507	-80.266262
TR_TC_DIV	12	Diverse	39.793454	-80.26945
TR_VAR	23	Variable	39.805046	-80.260454

Appendix B Sample Table

Sample ID	GNIS Name	NHD_CODE	Latitude	Longitude
BR_2	Bells Run 41733	05020005004167	39° 47' 35.633" N	80° 15' 9.766" W
BR_T1	Bells Run 41733	05020005004167	39° 47' 35.619" N	80° 15' 11.222" W
BR_T2	Trib 41736 To Bells Run	05020005003691	39° 47' 14.086" N	80° 15' 21.704" W
BR_T3a	Bells Run 41733	05020005004163	39° 47' 50.259" N	80° 14' 59.793" W
BR_T3b	Bells Run 41733	05020005004163	39° 48' 10.481" N	80° 15' 0.612" W
BR_T5a	Trib 41737 To Bells Run	05020005003666	39° 47' 49.176" N	80° 14' 50.900" W
BR_T5b	Trib 41737 To Bells Run	05020005003666	39° 47' 55.977" N	80° 14' 39.504" W
PC_T15	Trib 40592-R6 To Pursley Creek	No reach code	39° 48' 41.319" N	80° 16' 9.336" W
PC_T20a	Trib 40616 Of Pursley Creek	05020005003623	39° 48' 35.310" N	80° 15' 45.668" W
PC_T21a	Trib 40615-L3b To Pursley Creek	No reach code	39° 48' 28.528" N	80° 15' 14.450" W
PC_T21b	Trib 40615-L3 To Pursley Creek	No reach code	39° 48' 27.150" N	80° 15' 21.568" W
PC10	Pursley Creek 40592	05020005001433	39° 48' 42.570" N	80° 16' 28.143" W
PC9	Trib 40592-R5 To Pursley Creek	No reach code	39° 48' 35.679" N	80° 16' 23.144" W
TR_1	Tustin Run 41739	05020005004168	39° 47' 34.935" N	80° 16' 6.436" W
TR_2	Tustin Run 41739	05020005004168	39° 47' 45.753" N	80° 16' 1.247" W
TR_3	Tustin Run 41739	05020005004165	39° 47' 56.829" N	80° 15' 48.248" W
TR_4	Tustin Run 41739	05020005004165	39° 48' 5.548" N	80° 15' 43.346" W
TR_T1a	Trib 41740 To Tustin Run	05020005001046	39° 48' 22.605" N	80° 16' 37.139" W
TR_T1b	Trib 41740 To Tustin Run	05020005001046	39° 48' 7.354" N	80° 16' 44.304" W
TR_T1c	Trib 41740 To Tustin Run	05020005001046	39° 47' 45.209" N	80° 16' 43.810" W
TR_T1d	Trib 41740 To Tustin Run	05020005001046	39° 47' 26.845" N	80° 16' 38.282" W
TR_T2a	Trib 41741 To Tustin Run	05020005003678	39° 48' 7.700" N	80° 16' 6.333" W
TR_T2b	Trib 41741 To Tustin Run	05020005003678	39° 48' 2.018" N	80° 16' 6.798" W