

WY2004-21 Concentration Summary Tables: LOW Flow Stream Samples (mg/L)

The MEANS Procedure

SITE=Apple

Variable	Label	N	Median	Mean	Std Dev	Minimum	Maximum	Lower 95% CL for Mean	Upper 95% CL for Mean
TSS	TSS	60	7.600	12.605	12.965	2.000	58.000	9.256	15.954
Total_P	Total_P	60	0.188	0.223	0.123	0.074	0.590	0.191	0.255
Diss_P	Diss_P	35	0.130	0.152	0.089	0.040	0.420	0.122	0.183

SITE=Ash

Variable	Label	N	Median	Mean	Std Dev	Minimum	Maximum	Lower 95% CL for Mean	Upper 95% CL for Mean
TSS	TSS	64	12.500	18.550	15.450	2.000	64.000	14.691	22.409
Total_P	Total_P	64	0.310	0.369	0.248	0.070	1.320	0.307	0.431
Diss_P	Diss_P	36	0.255	0.331	0.261	0.050	1.140	0.243	0.419

SITE=Ash_Grant

Variable	Label	N	Median	Mean	Std Dev	Minimum	Maximum	Lower 95% CL for Mean	Upper 95% CL for Mean
TSS	TSS	105	10.000	11.086	6.880	2.000	24.000	9.754	12.417
Total_P	Total_P	105	0.160	0.207	0.128	0.020	0.610	0.182	0.232
Diss_P	Diss_P	99	0.109	0.158	0.110	0.023	0.544	0.136	0.180

SITE=Baird

Variable	Label	N	Median	Mean	Std Dev	Minimum	Maximum	Lower 95% CL for Mean	Upper 95% CL for Mean
TSS	TSS	243	5.100	7.613	8.075	1.000	58.000	6.592	8.633
Total_P	Total_P	245	0.142	0.216	0.341	0.020	4.250	0.173	0.258
Diss_P	Diss_P	143	0.101	0.145	0.165	0.015	1.560	0.117	0.172

SITE=Bower

Variable	Label	N	Median	Mean	Std Dev	Minimum	Maximum	Lower 95% CL for Mean	Upper 95% CL for Mean
TSS	TSS	135	8.000	10.230	6.905	2.000	41.000	9.054	11.405
Total_P	Total_P	135	0.296	0.314	0.169	0.005	1.000	0.285	0.343
Diss_P	Diss_P	13	0.158	0.180	0.113	0.035	0.396	0.111	0.248

WY2004-21 Concentration Summary Tables: LOW Flow Stream Samples (mg/L)

The MEANS Procedure

SITE=Duck

Variable	Label	N	Median	Mean	Std Dev	Minimum	Maximum	Lower 95% CL for Mean	Upper 95% CL for Mean
TSS	TSS	120	5.200	6.453	4.709	2.000	32.000	5.602	7.304
Total_P	Total_P	120	0.126	0.189	0.306	0.015	3.037	0.134	0.244
Diss_P	Diss_P	79	0.090	0.115	0.098	0.015	0.648	0.093	0.137

SITE=Dutch_Hansen

Variable	Label	N	Median	Mean	Std Dev	Minimum	Maximum	Lower 95% CL for Mean	Upper 95% CL for Mean
TSS	TSS	129	11.000	11.147	6.623	2.000	24.000	9.994	12.301
Total_P	Total_P	129	0.160	0.204	0.158	0.020	0.910	0.176	0.231
Diss_P	Diss_P	125	0.128	0.167	0.145	0.023	0.830	0.141	0.193

SITE=ER-ZZ

Variable	Label	N	Median	Mean	Std Dev	Minimum	Maximum	Lower 95% CL for Mean	Upper 95% CL for Mean
TSS	TSS	161	13.000	14.783	10.205	2.000	55.000	13.194	16.371
Total_P	Total_P	161	0.245	0.297	0.169	0.089	0.970	0.271	0.324
Diss_P	Diss_P	161	0.169	0.219	0.148	0.057	0.839	0.196	0.242

SITE=East

Variable	Label	N	Median	Mean	Std Dev	Minimum	Maximum	Lower 95% CL for Mean	Upper 95% CL for Mean
TSS	TSS	79	33.000	32.256	22.047	2.000	79.000	27.317	37.194
Total_P	Total_P	78	0.195	0.451	0.937	0.050	5.640	0.240	0.662
Diss_P	Diss_P	31	0.060	0.079	0.048	0.020	0.200	0.061	0.096

SITE=Mahon

Variable	Label	N	Median	Mean	Std Dev	Minimum	Maximum	Lower 95% CL for Mean	Upper 95% CL for Mean
TSS	TSS	116	5.770	9.745	10.379	0.000	51.000	7.837	11.654
Total_P	Total_P	115	0.061	0.075	0.057	0.020	0.380	0.064	0.085
Diss_P	Diss_P	87	0.038	0.053	0.042	0.020	0.291	0.043	0.062

WY2004-21 Concentration Summary Tables: LOW Flow Stream Samples (mg/L)

The MEANS Procedure

SITE=Plum

Variable	Label	N	Median	Mean	Std Dev	Minimum	Maximum	Lower 95% CL for Mean	Upper 95% CL for Mean
TSS	TSS	211	18.600	22.774	17.122	2.000	78.000	20.451	25.098
Total_P	Total_P	210	0.319	0.381	0.363	0.030	4.078	0.331	0.430
Diss_P	Diss_P	137	0.217	0.277	0.191	0.023	0.928	0.245	0.309

SITE=Plum_West

Variable	Label	N	Median	Mean	Std Dev	Minimum	Maximum	Lower 95% CL for Mean	Upper 95% CL for Mean
TSS	TSS	140	10.695	15.314	14.439	1.110	74.000	12.902	17.727
Total_P	Total_P	141	0.463	0.662	0.809	0.031	5.580	0.528	0.797
Diss_P	Diss_P	103	0.353	0.593	0.835	0.040	5.897	0.430	0.756

SITE=Silver

Variable	Label	N	Median	Mean	Std Dev	Minimum	Maximum	Lower 95% CL for Mean	Upper 95% CL for Mean
TSS	TSS	338	5.500	10.470	13.713	1.000	75.000	9.003	11.937
Total_P	Total_P	338	0.118	0.138	0.107	0.026	0.955	0.126	0.149
Diss_P	Diss_P	298	0.082	0.099	0.071	0.023	0.424	0.091	0.107

WY2004-21 Concentration Summary Tables: ALL Stream Samples (mg/L)

The MEANS Procedure

SITE=Apple

Variable	Label	N	Median	Mean	Std Dev	Minimum	Maximum	Lower 95% CL for Mean	Upper 95% CL for Mean
TSS	TSS	246	63.000	180.676	308.944	2.000	2460.000	141.877	219.474
Total_P	Total_P	246	0.370	0.516	0.563	0.074	4.960	0.445	0.587
Diss_P	Diss_P	97	0.180	0.205	0.125	0.040	1.000	0.180	0.231

SITE=Ash

Variable	Label	N	Median	Mean	Std Dev	Minimum	Maximum	Lower 95% CL for Mean	Upper 95% CL for Mean
TSS	TSS	257	62.000	234.607	575.233	2.000	6180.000	163.945	305.269
Total_P	Total_P	257	0.570	0.774	0.913	0.070	9.460	0.662	0.886
Diss_P	Diss_P	88	0.315	0.362	0.229	0.050	1.230	0.313	0.410

SITE=Ash_Grant

Variable	Label	N	Median	Mean	Std Dev	Minimum	Maximum	Lower 95% CL for Mean	Upper 95% CL for Mean
TSS	TSS	364	48.000	112.025	219.115	2.000	2370.000	89.440	134.610
Total_P	Total_P	364	0.340	0.376	0.273	0.020	3.480	0.348	0.404
Diss_P	Diss_P	354	0.205	0.228	0.137	0.023	0.630	0.214	0.243

SITE=Baird

Variable	Label	N	Median	Mean	Std Dev	Minimum	Maximum	Lower 95% CL for Mean	Upper 95% CL for Mean
TSS	TSS	1137	42.000	169.895	352.416	1.000	2810.000	149.389	190.401
Total_P	Total_P	1138	0.421	0.569	0.644	0.020	9.640	0.532	0.607
Diss_P	Diss_P	324	0.172	0.203	0.160	0.015	1.560	0.186	0.221

SITE=Bower

Variable	Label	N	Median	Mean	Std Dev	Minimum	Maximum	Lower 95% CL for Mean	Upper 95% CL for Mean
TSS	TSS	976	53.500	191.348	391.090	2.000	3730.000	166.782	215.915
Total_P	Total_P	958	0.610	0.732	0.500	0.005	4.140	0.700	0.764
Diss_P	Diss_P	46	0.281	0.302	0.178	0.035	1.130	0.249	0.355

WY2004-21 Concentration Summary Tables: ALL Stream Samples (mg/L)

The MEANS Procedure

SITE=Duck

Variable	Label	N	Median	Mean	Std Dev	Minimum	Maximum	Lower 95% CL for Mean	Upper 95% CL for Mean
TSS	TSS	345	18.000	62.213	122.691	2.000	956.000	49.221	75.205
Total_P	Total_P	347	0.200	0.317	0.490	0.015	5.664	0.265	0.369
Diss_P	Diss_P	146	0.110	0.126	0.093	0.015	0.648	0.111	0.141

SITE=Dutch_Hansen

Variable	Label	N	Median	Mean	Std Dev	Minimum	Maximum	Lower 95% CL for Mean	Upper 95% CL for Mean
TSS	TSS	357	48.000	88.465	118.664	2.000	1010.000	76.114	100.816
Total_P	Total_P	357	0.260	0.296	0.193	0.020	1.380	0.276	0.317
Diss_P	Diss_P	347	0.136	0.187	0.157	0.023	1.130	0.170	0.204

SITE=ER-ZZ

Variable	Label	N	Median	Mean	Std Dev	Minimum	Maximum	Lower 95% CL for Mean	Upper 95% CL for Mean
TSS	TSS	1016	70.000	384.683	2187.965	2.000	38700.000	249.986	519.381
Total_P	Total_P	1024	0.518	0.666	0.589	0.088	5.680	0.630	0.702
Diss_P	Diss_P	1024	0.259	0.296	0.162	0.029	1.400	0.286	0.306

SITE=East

Variable	Label	N	Median	Mean	Std Dev	Minimum	Maximum	Lower 95% CL for Mean	Upper 95% CL for Mean
TSS	TSS	214	43.000	68.357	102.291	2.000	1040.000	54.573	82.140
Total_P	Total_P	212	0.250	0.449	0.725	0.040	5.640	0.351	0.547
Diss_P	Diss_P	72	0.095	0.122	0.080	0.020	0.370	0.103	0.141

SITE=Mahon

Variable	Label	N	Median	Mean	Std Dev	Minimum	Maximum	Lower 95% CL for Mean	Upper 95% CL for Mean
TSS	TSS	818	41.538	147.244	313.204	0.000	3523.157	125.749	168.740
Total_P	Total_P	858	0.155	0.323	0.517	0.020	5.777	0.289	0.358
Diss_P	Diss_P	162	0.048	0.091	0.170	0.020	1.771	0.064	0.117

WY2004-21 Concentration Summary Tables: ALL Stream Samples (mg/L)

The MEANS Procedure

SITE=Plum

Variable	Label	N	Median	Mean	Std Dev	Minimum	Maximum	Lower 95% CL for Mean	Upper 95% CL for Mean
TSS	TSS	1361	256.000	563.108	777.303	2.000	5790.000	521.775	604.441
Total_P	Total_P	1355	0.743	1.035	0.904	0.030	7.481	0.986	1.083
Diss_P	Diss_P	291	0.237	0.283	0.160	0.023	0.928	0.264	0.301

SITE=Plum_West

Variable	Label	N	Median	Mean	Std Dev	Minimum	Maximum	Lower 95% CL for Mean	Upper 95% CL for Mean
TSS	TSS	969	130.000	298.806	456.814	1.110	4310.000	270.008	327.605
Total_P	Total_P	962	0.817	0.989	0.708	0.031	7.670	0.944	1.034
Diss_P	Diss_P	254	0.403	0.525	0.561	0.040	5.897	0.456	0.594

SITE=Silver

Variable	Label	N	Median	Mean	Std Dev	Minimum	Maximum	Lower 95% CL for Mean	Upper 95% CL for Mean
TSS	TSS	1062	11.600	46.056	159.461	1.000	3680.000	36.455	55.658
Total_P	Total_P	1063	0.190	0.257	0.342	0.026	6.530	0.236	0.278
Diss_P	Diss_P	416	0.097	0.126	0.108	0.023	0.969	0.116	0.136

WY2004-21 Concentration Summary Tables: EVENT Stream Samples (mg/L)

The MEANS Procedure

SITE=Apple

Variable	Label	N	Median	Mean	Std Dev	Minimum	Maximum	Lower 95% CL for Mean	Upper 95% CL for Mean
TSS	TSS	185	108.000	235.616	338.755	2.600	2460.000	186.478	284.753
Total_P	Total_P	185	0.480	0.613	0.616	0.080	4.960	0.523	0.702
Diss_P	Diss_P	61	0.200	0.238	0.133	0.070	1.000	0.204	0.272

SITE=Ash

Variable	Label	N	Median	Mean	Std Dev	Minimum	Maximum	Lower 95% CL for Mean	Upper 95% CL for Mean
TSS	TSS	192	107.000	305.577	650.004	6.800	6180.000	213.049	398.105
Total_P	Total_P	192	0.650	0.910	1.011	0.210	9.460	0.766	1.054
Diss_P	Diss_P	51	0.340	0.387	0.204	0.090	1.230	0.329	0.444

SITE=Ash_Grant

Variable	Label	N	Median	Mean	Std Dev	Minimum	Maximum	Lower 95% CL for Mean	Upper 95% CL for Mean
TSS	TSS	259	72.000	152.946	248.403	25.000	2370.000	122.551	183.341
Total_P	Total_P	259	0.400	0.444	0.286	0.060	3.480	0.409	0.479
Diss_P	Diss_P	255	0.232	0.256	0.136	0.043	0.630	0.239	0.272

SITE=Baird

Variable	Label	N	Median	Mean	Std Dev	Minimum	Maximum	Lower 95% CL for Mean	Upper 95% CL for Mean
TSS	TSS	890	68.000	213.839	386.234	2.750	2810.000	188.430	239.249
Total_P	Total_P	889	0.505	0.667	0.674	0.046	9.640	0.623	0.711
Diss_P	Diss_P	179	0.233	0.250	0.139	0.020	0.778	0.230	0.271

SITE=Bower

Variable	Label	N	Median	Mean	Std Dev	Minimum	Maximum	Lower 95% CL for Mean	Upper 95% CL for Mean
TSS	TSS	841	75.000	220.422	414.013	4.000	3730.000	192.401	248.444
Total_P	Total_P	823	0.660	0.800	0.503	0.160	4.140	0.766	0.835
Diss_P	Diss_P	33	0.316	0.350	0.178	0.090	1.130	0.287	0.413

WY2004-21 Concentration Summary Tables: EVENT Stream Samples (mg/L)

The MEANS Procedure

SITE=Duck

Variable	Label	N	Median	Mean	Std Dev	Minimum	Maximum	Lower 95% CL for Mean	Upper 95% CL for Mean
TSS	TSS	224	40.000	91.171	143.198	2.400	956.000	72.316	110.025
Total_P	Total_P	226	0.234	0.385	0.553	0.030	5.664	0.313	0.458
Diss_P	Diss_P	66	0.120	0.140	0.085	0.015	0.552	0.119	0.161

SITE=Dutch_Hansen

Variable	Label	N	Median	Mean	Std Dev	Minimum	Maximum	Lower 95% CL for Mean	Upper 95% CL for Mean
TSS	TSS	228	88.500	132.211	129.380	25.000	1010.000	115.327	149.094
Total_P	Total_P	228	0.336	0.349	0.192	0.057	1.380	0.324	0.374
Diss_P	Diss_P	222	0.160	0.198	0.162	0.026	1.130	0.177	0.220

SITE=ER-ZZ

Variable	Label	N	Median	Mean	Std Dev	Minimum	Maximum	Lower 95% CL for Mean	Upper 95% CL for Mean
TSS	TSS	853	91.000	455.171	2381.598	2.000	38700.000	295.120	615.223
Total_P	Total_P	861	0.571	0.736	0.614	0.088	5.680	0.695	0.777
Diss_P	Diss_P	861	0.276	0.310	0.161	0.029	1.400	0.299	0.321

SITE=East

Variable	Label	N	Median	Mean	Std Dev	Minimum	Maximum	Lower 95% CL for Mean	Upper 95% CL for Mean
TSS	TSS	122	50.000	89.198	129.408	2.500	1040.000	66.002	112.393
Total_P	Total_P	122	0.290	0.464	0.593	0.040	4.280	0.358	0.571
Diss_P	Diss_P	40	0.160	0.156	0.085	0.020	0.370	0.129	0.183

SITE=Mahon

Variable	Label	N	Median	Mean	Std Dev	Minimum	Maximum	Lower 95% CL for Mean	Upper 95% CL for Mean
TSS	TSS	701	58.238	169.988	332.903	1.000	3523.157	145.301	194.674
Total_P	Total_P	740	0.195	0.362	0.546	0.020	5.777	0.323	0.402
Diss_P	Diss_P	74	0.081	0.136	0.241	0.020	1.771	0.080	0.192

WY2004-21 Concentration Summary Tables: EVENT Stream Samples (mg/L)

The MEANS Procedure

SITE=Plum

Variable	Label	N	Median	Mean	Std Dev	Minimum	Maximum	Lower 95% CL for Mean	Upper 95% CL for Mean
TSS	TSS	1140	373.000	667.245	809.008	6.222	5790.000	620.232	714.257
Total_P	Total_P	1135	0.884	1.162	0.923	0.103	7.481	1.108	1.215
Diss_P	Diss_P	151	0.244	0.284	0.125	0.053	0.686	0.264	0.304

SITE=Plum_West

Variable	Label	N	Median	Mean	Std Dev	Minimum	Maximum	Lower 95% CL for Mean	Upper 95% CL for Mean
TSS	TSS	825	176.000	347.852	478.399	7.130	4310.000	315.160	380.545
Total_P	Total_P	817	0.897	1.047	0.675	0.176	7.670	1.001	1.093
Diss_P	Diss_P	151	0.414	0.479	0.228	0.110	1.800	0.442	0.515

SITE=Silver

Variable	Label	N	Median	Mean	Std Dev	Minimum	Maximum	Lower 95% CL for Mean	Upper 95% CL for Mean
TSS	TSS	713	17.500	62.062	192.065	2.000	3680.000	47.940	76.184
Total_P	Total_P	714	0.252	0.313	0.398	0.030	6.530	0.283	0.342
Diss_P	Diss_P	109	0.153	0.197	0.152	0.030	0.969	0.169	0.226