

Basin A

Existing

X08066_100128_Existingv2 - Ex Cat 1 - All Data Statistics

Outflow	mean	standard deviation	median	maximum	minimum	10 percentile	90 percentile
Flow (cubic metres/sec)	5.81E-04	9.01E-03	1.91E-04	0.977	2.78E-06	1.85E-05	7.23E-04
TSS Concentration (mg/L)	25.5	1.61	25.1	35	25.1	25.1	25.1
Log [TSS] (mg/L)	1.4	2.40E-02	1.4	1.54	1.4	1.4	1.4
TP Concentration (mg/L)	0.131	5.19E-03	0.132	0.132	0.1	0.132	0.132
Log [TP] (mg/L)	-0.884	1.92E-02	-0.88	-0.88	-1	-0.88	-0.88
TN Concentration (mg/L)	1.18	3.03E-02	1.19	1.19	1	1.19	1.19
Log [TN] (mg/L)	7.15E-02	1.19E-02	7.40E-02	7.40E-02	2.13E-05	7.40E-02	7.40E-02
TSS Load (kg/6 Minutes)	6.37E-03	0.114	1.72E-03	12.3	2.51E-05	1.68E-04	6.55E-03
TP Load (kg/6 Minutes)	2.40E-05	3.25E-04	9.05E-06	3.52E-02	1.32E-07	8.79E-07	3.42E-05
TN Load (kg/6 Minutes)	2.27E-04	3.25E-03	8.14E-05	0.352	1.19E-06	7.91E-06	3.07E-04
Gross Pollutant Load (kg/6 Min)	1.24E-03	1.74E-02	0	1.28	0	0	0

Flow (ML/yr)	18.3
Total Suspended Solids (kg/yr)	558
Total Phosphorus (kg/yr)	2.1
Total Nitrogen (kg/yr)	19.9
Gross Pollutants (kg/yr)	109

Developed No Treatment

X08066_100204_dev_notreat - Junction - All Data Statistics

Inflow	mean	standard deviation	median	maximum	minimum	10 percentile	90 percentile
Flow (cubic metres/sec)	6.62E-04	2.71E-03	3.97E-05	8.04E-02	0	1.06E-08	1.44E-03
TSS Concentration (mg/L)	29.1	33.3	12.6	100	0	12.6	98.9
Log [TSS] (mg/L)	1.29	0.357	1.1	2	1.03	1.1	2
TP Concentration (mg/L)	0.176	6.33E-02	0.151	0.3	0	0.151	0.298
Log [TP] (mg/L)	-0.761	0.116	-0.82	-0.523	-0.887	-0.82	-0.525
TN Concentration (mg/L)	1.91	0.388	2.09	2.09	0	1.5	2.09
Log [TN] (mg/L)	0.291	5.43E-02	0.32	0.32	0.176	0.178	0.32
TSS Load (kg/Day)	5.04	23.3	4.37E-02	693	0	1.11E-05	11.3
TP Load (kg/Day)	1.60E-02	7.00E-02	5.26E-04	2.08	0	1.33E-07	3.54E-02
TN Load (kg/Day)	9.04E-02	0.353	7.09E-03	10.4	0	1.84E-06	0.194
Gross Pollutant Load (kg/Day)	1.18	2.89	0	21.6	0	0	5.37
Outflow	mean	standard deviation	median	maximum	minimum	10 percentile	90 percentile
Flow (cubic metres/sec)	6.62E-04	2.71E-03	3.97E-05	8.04E-02	0	1.06E-08	1.44E-03
TSS Concentration (mg/L)	29.1	33.3	12.6	100	0	12.6	98.9
Log [TSS] (mg/L)	1.29	0.357	1.1	2	1.03	1.1	2
TP Concentration (mg/L)	0.176	6.33E-02	0.151	0.3	0	0.151	0.298
Log [TP] (mg/L)	-0.761	0.116	-0.82	-0.523	-0.887	-0.82	-0.525
TN Concentration (mg/L)	1.91	0.388	2.09	2.09	0	1.5	2.09
Log [TN] (mg/L)	0.291	5.43E-02	0.32	0.32	0.176	0.178	0.32
TSS Load (kg/Day)	5.04	23.3	4.37E-02	693	0	1.11E-05	11.3
TP Load (kg/Day)	1.60E-02	7.00E-02	5.26E-04	2.08	0	1.33E-07	3.54E-02
TN Load (kg/Day)	9.04E-02	0.353	7.09E-03	10.4	0	1.84E-06	0.194
Gross Pollutant Load (kg/Day)	1.18	2.89	0	21.6	0	0	5.37

Flow (ML/yr)	20.9	20.9	0
Total Suspended Solids (kg/yr)	1.84E+03	1.84E+03	0
Total Phosphorus (kg/yr)	5.84	5.84	0
Total Nitrogen (kg/yr)	33	33	0
Gross Pollutants (kg/yr)	431	431	0

Developed with Treatment

X08066_100204_dev_treatmentv3 - Bio-Retention - All Data Statistics

Inflow	mean	standard deviation	median	maximum	minimum	10 percentile	90 percentile
Flow (cubic metres/sec)	6.07E-04	2.75E-03	4.42E-05	8.27E-02	0	1.00E-08	1.03E-03
TSS Concentration (mg/L)	7.42	8.44	3.78	30	0	3.76	24.1
Log [TSS] (mg/L)	0.759	0.324	0.577	1.48	0.574	0.577	1.41
TP Concentration (mg/L)	0.111	4.82E-02	0.106	0.21	0	9.66E-02	0.186
Log [TP] (mg/L)	-0.924	9.99E-02	-0.975	-0.678	-1.03	-0.975	-0.717
TN Concentration (mg/L)	1.58	0.554	1.88	1.88	0	1.29	1.88
Log [TN] (mg/L)	0.238	5.96E-02	0.274	0.274	0.107	0.13	0.274
TSS Load (kg/Day)	0.966	5.68	1.52E-02	187	0	3.26E-06	1.64
TP Load (kg/Day)	8.49E-03	4.38E-02	4.16E-04	1.39	0	9.15E-08	1.44E-02
TN Load (kg/Day)	7.41E-02	0.321	6.97E-03	9.6	0	1.62E-06	0.13
Gross Pollutant Load (kg/Day)	0.539	1.44	0	13.4	0	0	2.15
Outflow	mean	standard deviation	median	maximum	minimum	10 percentile	90 percentile
Flow (cubic metres/sec)	6.07E-04	2.59E-03	3.02E-05	7.36E-02	0	0	1.15E-03
TSS Concentration (mg/L)	1.12	1.51	0.575	17.6	0	0	3.91
Log [TSS] (mg/L)	0.112	0.373	-0.117	1.25	-0.24	-0.24	0.651
TP Concentration (mg/L)	3.34E-02	2.98E-02	4.25E-02	0.156	0	0	7.70E-02
Log [TP] (mg/L)	-1.27	0.115	-1.37	-0.806	-1.42	-1.37	-1.08
TN Concentration (mg/L)	0.612	0.511	0.832	1.19	0	0	1.16
Log [TN] (mg/L)	1.90E-03	6.65E-02	4.48E-02	7.69E-02	-1.02E-01	-8.41E-02	6.41E-02
TSS Load (kg/Day)	0.191	2.16	1.68E-03	111	0	0	0.293
TP Load (kg/Day)	3.69E-03	2.36E-02	1.19E-04	0.988	0	0	6.52E-03
TN Load (kg/Day)	4.71E-02	0.224	2.91E-03	7.57	0	0	8.67E-02
Gross Pollutant Load (kg/Day)	0	0	0	0	0	0	0

Basin B**Existing**

X08066_100128_Existingv2 - Ex Cat 2 - All Data Statistics

Outflow	mean	standard deviation	median	maximum	minimum	10 percentile	90 percentile
Flow (cubic metres/sec)	2.83E-04	4.38E-03	9.27E-05	0.475	1.36E-06	9.00E-06	3.51E-04
TSS Concentration (mg/L)	25.5	1.61	25.1	35	25.1	25.1	25.1
Log [TSS] (mg/L)	1.4	2.40E-02	1.4	1.54	1.4	1.4	1.4
TP Concentration (mg/L)	0.131	5.19E-03	0.132	0.132	0.1	0.132	0.132
Log [TP] (mg/L)	-0.884	1.92E-02	-0.88	-0.88	-1	-0.88	-0.88
TN Concentration (mg/L)	1.18	3.03E-02	1.19	1.19	1	1.19	1.19
Log [TN] (mg/L)	7.15E-02	1.19E-02	7.40E-02	7.40E-02	2.13E-05	7.40E-02	7.40E-02
TSS Load (kg/6 Minutes)	3.10E-03	5.52E-02	8.39E-04	5.98	1.23E-05	8.14E-05	3.18E-03
TP Load (kg/6 Minutes)	1.17E-05	1.58E-04	4.40E-06	1.71E-02	6.46E-08	4.27E-07	1.66E-05
TN Load (kg/6 Minutes)	1.10E-04	1.58E-03	3.96E-05	0.171	5.81E-07	3.84E-06	1.49E-04
Gross Pollutant Load (kg/6 Min)	6.02E-04	8.48E-03	0	0.622	0	0	0
Flow (ML/yr)	8.91						
Total Suspended Solids (kg/yr)	272						
Total Phosphorus (kg/yr)	1.02						
Total Nitrogen (kg/yr)	9.67						
Gross Pollutants (kg/yr)	52.8						

Developed No Treatment

X08066_100204_dev_notreat - Junction - All Data Statistics

Inflow	mean	standard deviation	median	maximum	minimum	10 percentile	90 percentile
Flow (cubic metres/sec)	3.31E-04	1.34E-03	1.82E-05	3.93E-02	0	4.75E-09	7.27E-04
TSS Concentration (mg/L)	29.1	33.6	12.6	100	0	12.6	99
Log [TSS] (mg/L)	1.29	0.359	1.1	2	1.02	1.1	2
TP Concentration (mg/L)	0.174	6.59E-02	0.151	0.3	0	0.151	0.298
Log [TP] (mg/L)	-0.76	0.117	-0.82	-0.523	-0.899	-0.82	-0.525
TN Concentration (mg/L)	1.89	0.43	2.09	2.09	0	1.5	2.09
Log [TN] (mg/L)	0.29	5.48E-02	0.32	0.32	0.176	0.178	0.32
TSS Load (kg/Day)	2.54	11.5	1.99E-02	339	0	5.04E-06	5.8
TP Load (kg/Day)	8.04E-03	3.45E-02	2.39E-04	1.02	0	6.05E-08	1.80E-02
TN Load (kg/Day)	4.50E-02	0.174	3.25E-03	5.09	0	8.36E-07	9.83E-02
Gross Pollutant Load (kg/Day)	0.606	1.47	0	10.7	0	0	2.8
Outflow	mean	standard deviation	median	maximum	minimum	10 percentile	90 percentile
Flow (cubic metres/sec)	3.31E-04	1.34E-03	1.82E-05	3.93E-02	0	4.75E-09	7.27E-04
TSS Concentration (mg/L)	29.1	33.6	12.6	100	0	12.6	99
Log [TSS] (mg/L)	1.29	0.359	1.1	2	1.02	1.1	2
TP Concentration (mg/L)	0.174	6.59E-02	0.151	0.3	0	0.151	0.298
Log [TP] (mg/L)	-0.76	0.117	-0.82	-0.523	-0.899	-0.82	-0.525
TN Concentration (mg/L)	1.89	0.43	2.09	2.09	0	1.5	2.09
Log [TN] (mg/L)	0.29	5.48E-02	0.32	0.32	0.176	0.178	0.32
TSS Load (kg/Day)	2.54	11.5	1.99E-02	339	0	5.04E-06	5.8
TP Load (kg/Day)	8.04E-03	3.45E-02	2.39E-04	1.02	0	6.05E-08	1.80E-02
TN Load (kg/Day)	4.50E-02	0.174	3.25E-03	5.09	0	8.36E-07	9.83E-02
Gross Pollutant Load (kg/Day)	0.606	1.47	0	10.7	0	0	2.8
Flow (ML/yr)	10.4	10.4	0				
Total Suspended Solids (kg/yr)	929	929	0				
Total Phosphorus (kg/yr)	2.94	2.94	0				
Total Nitrogen (kg/yr)	16.4	16.4	0				
Gross Pollutants (kg/yr)	221	221	0				

Developed with Treatment

X08066_100204_dev_treatmentv3 - Bio-Retention - All Data Statistics

Inflow	mean	standard deviation	median	maximum	minimum	10 percentile	90 percentile
Flow (cubic metres/sec)	2.49E-04	1.15E-03	1.91E-05	3.44E-02	0	0	4.35E-04
TSS Concentration (mg/L)	7.58	8.86	3.78	30	0	0	25.7
Log [TSS] (mg/L)	0.769	0.336	0.577	1.48	0.577	0.577	1.44
TP Concentration (mg/L)	0.11	5.19E-02	0.106	0.21	0	0	0.193
Log [TP] (mg/L)	-0.919	0.105	-0.975	-0.678	-1.03	-0.975	-0.701
TN Concentration (mg/L)	1.55	0.596	1.88	1.88	0	0	1.88
Log [TN] (mg/L)	0.239	5.90E-02	0.274	0.274	0.107	0.13	0.274
TSS Load (kg/Day)	0.427	2.44	6.54E-03	78.4	0	0	0.767
TP Load (kg/Day)	3.61E-03	1.86E-02	1.81E-04	0.58	0	0	6.26E-03
TN Load (kg/Day)	3.06E-02	0.134	3.03E-03	4	0	0	5.51E-02
Gross Pollutant Load (kg/Day)	0.265	0.7	0	6.29	0	0	1.08
Outflow	mean	standard deviation	median	maximum	minimum	10 percentile	90 percentile
Flow (cubic metres/sec)	2.49E-04	1.10E-03	1.51E-05	3.22E-02	0	0	4.67E-04
TSS Concentration (mg/L)	1.22	1.68	0.575	21	0	0	4.22
Log [TSS] (mg/L)	0.13	0.392	-0.167	1.32	-0.24	-0.24	0.657
TP Concentration (mg/L)	3.46E-02	3.08E-02	4.25E-02	0.172	0	0	8.03E-02
Log [TP] (mg/L)	-1.26	0.123	-1.37	-0.765	-1.4	-1.37	-1.08
TN Concentration (mg/L)	0.621	0.512	0.833	1.25	0	0	1.16
Log [TN] (mg/L)	4.37E-03	6.53E-02	5.42E-02	9.84E-02	-1.01E-01	-8.04E-02	6.41E-02
TSS Load (kg/Day)	1.08E-01	1.29	8.61E-04	55.9	0	0	0.133
TP Load (kg/Day)	1.72E-03	1.23E-02	6.00E-05	0.462	0	0	2.79E-03
TN Load (kg/Day)	2.02E-02	1.05E-01	1.44E-03	3.48	0	0	3.59E-02
Gross Pollutant Load (kg/Day)	0	0	0	0	0	0	0
Flow (ML/yr)	7.85	7.85	0.1				
Total Suspended Solids (kg/yr)	156	39.3	74.8				
Total Phosphorus (kg/yr)	1.32	0.628	52.4				
Total Nitrogen (kg/yr)	11.2	7.38	34				
Gross Pollutants (kg/yr)	96.8	0	100				