

Design Flow Hydrographs at HEP 01 to 04 (6.5 hour Storm Duration)

Flow Scaled to:	HEP 01		HEP 02			HEP 03			HEP 04		
	Baseflow (m3/s)	0.080	Baseflow (m3/s)		0.188	Baseflow (m3/s)		0.129	Baseflow (m3/s)		0.095
	1	FSU Q100	1	FSU Q100	1	FSU Q100	1	FSU Q100	1	FSU Q100	
Time (hr)		2.4	Time (hr)		4.3	Time (hr)		4.2	Time (hr)		2.4
0.00	0	0	0.00	0	0	0.0	0	0	0.00	0	0
0.25	0.001	0.003	0.25	0.001	0.003	0.1	0.000	0.002	0.25	0.001	0.002
0.50	0.004	0.008	0.50	0.002	0.010	0.2	0.001	0.006	0.50	0.002	0.006
0.75	0.008	0.019	0.75	0.005	0.022	0.3	0.003	0.012	0.75	0.005	0.012
1.00	0.015	0.035	1.00	0.010	0.041	0.4	0.005	0.021	1.00	0.009	0.022
1.25	0.024	0.058	1.25	0.016	0.067	0.5	0.008	0.034	1.25	0.015	0.036
1.50	0.038	0.092	1.50	0.024	0.103	0.6	0.012	0.051	1.50	0.023	0.055
1.75	0.058	0.138	1.75	0.035	0.152	0.7	0.017	0.073	1.75	0.034	0.081
2.00	0.084	0.201	2.00	0.050	0.216	0.8	0.024	0.101	2.00	0.048	0.115
2.25	0.119	0.286	2.25	0.069	0.299	0.9	0.032	0.136	2.25	0.067	0.160
2.50	0.166	0.398	2.50	0.094	0.406	1.0	0.043	0.179	2.50	0.090	0.217
2.75	0.225	0.541	2.75	0.126	0.543	1.1	0.055	0.232	2.75	0.121	0.290
3.00	0.299	0.719	3.00	0.166	0.716	1.2	0.071	0.297	3.00	0.159	0.383
3.25	0.385	0.924	3.25	0.216	0.929	1.3	0.089	0.375	3.25	0.207	0.498
3.50	0.478	1.148	3.50	0.276	1.185	1.4	0.112	0.469	3.50	0.265	0.636
3.75	0.575	1.379	3.75	0.344	1.477	1.5	0.139	0.582	3.75	0.331	0.794
4.00	0.671	1.610	4.00	0.418	1.796	1.6	0.171	0.717	4.00	0.403	0.967
4.25	0.763	1.831	4.25	0.496	2.131	1.7	0.208	0.875	4.25	0.479	1.149
4.50	0.846	2.032	4.50	0.575	2.474	1.8	0.252	1.057	4.50	0.557	1.336
4.75	0.917	2.201	4.75	0.655	2.815	1.9	0.300	1.260	4.75	0.635	1.523
5.00	0.970	2.328	5.00	0.731	3.145	2.0	0.353	1.481	5.00	0.711	1.705
5.25	0.999	2.397	5.25	0.804	3.456	2.1	0.408	1.715	5.25	0.783	1.879
5.50	1	2.400	5.50	0.869	3.736	2.2	0.466	1.958	5.50	0.849	2.038
5.75	0.978	2.347	5.75	0.924	3.974	2.3	0.525	2.207	5.75	0.907	2.176
6.00	0.937	2.250	6.00	0.967	4.157	2.4	0.585	2.457	6.00	0.953	2.288
6.25	0.883	2.120	6.25	0.993	4.270	2.5	0.644	2.706	6.25	0.986	2.365
6.50	0.819	1.965	6.50	1	4.300	2.6	0.703	2.951	6.50	1	2.400
6.75	0.747	1.793	6.75	0.990	4.257	2.7	0.759	3.186	6.75	0.997	2.393
7.00	0.670	1.609	7.00	0.966	4.153	2.8	0.812	3.409	7.00	0.980	2.351
7.25	0.590	1.417	7.25	0.931	4.001	2.9	0.860	3.614	7.25	0.950	2.281
7.50	0.509	1.221	7.50	0.886	3.810	3.0	0.904	3.798	7.50	0.911	2.187
7.75	0.428	1.027	7.75	0.835	3.589	3.1	0.942	3.955	7.75	0.865	2.075
8.00	0.351	0.842	8.00	0.778	3.345	3.2	0.971	4.079	8.00	0.812	1.949
8.25	0.278	0.668	8.25	0.717	3.084	3.3	0.991	4.162	8.25	0.755	1.812
8.50	0.213	0.510	8.50	0.654	2.811	3.4	1	4.200	8.50	0.695	1.668
8.75	0.156	0.374	8.75	0.588	2.530	3.5	0.999	4.195	8.75	0.632	1.517
9.00	0.111	0.267	9.00	0.522	2.246	3.6	0.989	4.153	9.00	0.568	1.364
9.25	0.077	0.186	9.25	0.456	1.961	3.7	0.971	4.079	9.25	0.504	1.209
9.50	0.052	0.125	9.50	0.392	1.686	3.8	0.947	3.977	9.50	0.440	1.057
9.75	0.034	0.081	9.75	0.331	1.424	3.9	0.917	3.853	9.75	0.379	0.909
10.00	0.021	0.050	10.00	0.274	1.177	4.0	0.883	3.707	10.00	0.320	0.769
10.25	0.012	0.028	10.25	0.221	0.949	4.1	0.844	3.546	10.25	0.265	0.636
10.50	0.006	0.013	10.50	0.173	0.745	4.2	0.803	3.372	10.50	0.214	0.514
10.75	0.002	0.005	10.75	0.132	0.570	4.3	0.759	3.187	10.75	0.168	0.404
11.00	0	0.000	11.00	0.100	0.428	4.4	0.713	2.994	11.00	0.129	0.309
11.25			11.25	0.074	0.316	4.5	0.665	2.795	11.25	0.097	0.232
11.50			11.50	0.053	0.229	4.6	0.617	2.591	11.50	0.072	0.172
11.75			11.75	0.038	0.162	4.7	0.567	2.383	11.75	0.052	0.124
12.00			12.00	0.026	0.110	4.8	0.518	2.174	12.00	0.037	0.088
12.25			12.25	0.017	0.072	4.9	0.469	1.968	12.25	0.025	0.060
12.50			12.50	0.010	0.044	5.0	0.421	1.767	12.50	0.016	0.039
12.75			12.75	0.006	0.025	5.1	0.374	1.571	12.75	0.010	0.024
13.00			13.00	0.003	0.011	5.2	0.329	1.382	13.00	0.006	0.014
13.25			13.25	0.001	0.004	5.3	0.286	1.200	13.25	0.003	0.006
13.50						5.4	0.245	1.028	13.50	0.001	0.002
13.75						5.5	0.206	0.867			
14.00						5.6	0.171	0.718			
14.25						5.7	0.139	0.586			
14.50						5.8	0.112	0.472			
14.75						5.9	0.090	0.377			
15.00						6.0	0.071	0.297			
15.25						6.1	0.055	0.232			
15.50						6.2	0.042	0.178			
15.75						6.3	0.032	0.134			
16.00						6.4	0.023	0.099			
16.25						6.5	0.017	0.070			
16.50						6.6	0.011	0.048			
16.75						6.7	0.007	0.031			
17.00						6.8	0.004	0.018			
17.25						6.9	0.002	0.009			
17.50						7.0	0.001	0.003			
17.75						7.1	0	0.000			