

Design Tidal Stage Graphs

Tidal Peak (m)								
	0.1% AEP	0.5% AEP	1% AEP	2% AEP	4% AEP	10% AEP	20% AEP	50% AEP
	2.951	2.796	2.728	2.658	2.585	2.496	2.422	2.309
Tidal Stage (m)								
Time (hr)	0.1% AEP	0.5% AEP	1% AEP	2% AEP	4% AEP	10% AEP	20% AEP	50% AEP
0	-1.34	-1.34	-1.34	-1.34	-1.34	-1.34	-1.34	-1.34
0.2	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
0.5	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
1.75	1.698	1.698	1.698	1.698	1.698	1.698	1.698	1.698
2	1.721	1.721	1.721	1.721	1.721	1.721	1.721	1.721
2.25	1.695	1.695	1.695	1.695	1.695	1.695	1.695	1.695
2.5	1.636	1.636	1.636	1.636	1.636	1.636	1.636	1.636
2.75	1.558	1.558	1.558	1.558	1.558	1.558	1.558	1.558
3	1.462	1.462	1.462	1.462	1.462	1.462	1.462	1.462
3.25	1.352	1.352	1.352	1.352	1.352	1.352	1.352	1.352
3.5	1.229	1.229	1.229	1.229	1.229	1.229	1.229	1.229
3.75	1.098	1.098	1.098	1.098	1.098	1.098	1.098	1.098
4	0.958	0.958	0.958	0.958	0.958	0.958	0.958	0.958
4.25	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
4.5	0.655	0.655	0.655	0.655	0.655	0.655	0.655	0.655
4.75	0.489	0.489	0.489	0.489	0.489	0.489	0.489	0.489
5	0.314	0.314	0.314	0.314	0.314	0.314	0.314	0.314
5.25	0.132	0.132	0.132	0.132	0.132	0.132	0.132	0.132
5.5	-0.063	-0.063	-0.063	-0.063	-0.063	-0.063	-0.063	-0.063
5.75	-0.281	-0.281	-0.281	-0.281	-0.281	-0.281	-0.281	-0.281
6	-0.51	-0.51	-0.51	-0.51	-0.51	-0.51	-0.51	-0.51
6.25	-0.736	-0.736	-0.736	-0.736	-0.736	-0.736	-0.736	-0.736
6.5	-0.915	-0.915	-0.915	-0.915	-0.915	-0.915	-0.915	-0.915
6.75	-1.032	-1.032	-1.032	-1.032	-1.032	-1.032	-1.032	-1.032
7	-1.168	-1.168	-1.168	-1.168	-1.168	-1.168	-1.168	-1.168
7.25	-1.28	-1.28	-1.28	-1.28	-1.28	-1.28	-1.28	-1.28
7.5	-1.314	-1.314	-1.314	-1.314	-1.314	-1.314	-1.314	-1.314
7.75	-1.422	-1.422	-1.422	-1.422	-1.422	-1.422	-1.422	-1.422
8.25	-1.474	-1.474	-1.474	-1.474	-1.474	-1.474	-1.474	-1.474
8.75	-1.462	-1.462	-1.462	-1.462	-1.462	-1.462	-1.462	-1.462
9.25	-1.429	-1.429	-1.429	-1.429	-1.429	-1.429	-1.429	-1.429
9.5	-1.347	-1.347	-1.347	-1.347	-1.347	-1.347	-1.347	-1.347
9.75	-1.31	-1.31	-1.31	-1.31	-1.31	-1.31	-1.31	-1.31
10	-1.296	-1.296	-1.296	-1.296	-1.296	-1.296	-1.296	-1.296
10.25	-1.157	-1.157	-1.157	-1.157	-1.157	-1.157	-1.157	-1.157
10.5	-1.044	-1.044	-1.044	-1.044	-1.044	-1.044	-1.044	-1.044
10.75	-0.771	-0.771	-0.771	-0.771	-0.771	-0.771	-0.771	-0.771
11	-0.643	-0.643	-0.643	-0.643	-0.643	-0.643	-0.643	-0.643
11.25	-0.417	-0.417	-0.417	-0.417	-0.417	-0.417	-0.417	-0.417
11.5	-0.243	-0.243	-0.243	-0.243	-0.243	-0.243	-0.243	-0.243
11.75	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04
12	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149
12.25	0.352	0.352	0.352	0.352	0.352	0.352	0.352	0.352
12.5	0.567	0.566	0.566	0.566	0.566	0.566	0.566	0.565
12.75	0.789	0.788	0.788	0.787	0.787	0.786	0.786	0.785
13	1.011	1.009	1.009	1.008	1.007	1.006	1.006	1.004
13.25	1.222	1.22	1.219	1.217	1.216	1.215	1.214	1.212
13.5	1.405	1.401	1.4	1.398	1.396	1.394	1.393	1.39
13.75	1.556	1.551	1.549	1.546	1.544	1.541	1.539	1.535
14	1.677	1.671	1.668	1.665	1.662	1.658	1.655	1.651
14.25	1.762	1.754	1.75	1.747	1.743	1.738	1.734	1.728
14.5	1.8	1.79	1.786	1.781	1.777	1.771	1.766	1.759
14.75	1.791	1.779	1.773	1.768	1.762	1.755	1.75	1.741
15	1.75	1.736	1.729	1.723	1.716	1.708	1.701	1.691
15.25	1.691	1.674	1.666	1.659	1.651	1.641	1.633	1.621
15.5	1.616	1.596	1.588	1.579	1.57	1.559	1.55	1.536

Tidal Stage (m)								
Time (hr)	0.1% AEP	0.5% AEP	1% AEP	2% AEP	4% AEP	10% AEP	20% AEP	50% AEP
15.75	1.527	1.505	1.495	1.485	1.475	1.462	1.452	1.435
16	1.428	1.403	1.392	1.381	1.369	1.354	1.342	1.324
16.25	1.32	1.292	1.28	1.267	1.254	1.238	1.225	1.204
16.5	1.206	1.174	1.161	1.147	1.132	1.114	1.099	1.076
16.75	1.085	1.05	1.035	1.019	1.003	0.983	0.966	0.941
17	0.957	0.918	0.902	0.884	0.867	0.845	0.827	0.799
17.25	0.819	0.777	0.759	0.74	0.721	0.697	0.677	0.647
17.5	0.673	0.627	0.608	0.587	0.566	0.54	0.518	0.485
17.75	0.52	0.471	0.45	0.428	0.405	0.377	0.353	0.318
18	0.356	0.303	0.28	0.256	0.231	0.201	0.176	0.137
18.25	0.169	0.112	0.087	0.062	0.035	0.002	-0.025	-0.066
18.5	-0.029	-0.09	-0.117	-0.144	-0.172	-0.207	-0.236	-0.28
18.75	-0.224	-0.288	-0.317	-0.346	-0.376	-0.413	-0.444	-0.491
19	-0.371	-0.439	-0.469	-0.5	-0.533	-0.572	-0.605	-0.655
19.25	-0.455	-0.528	-0.56	-0.593	-0.627	-0.669	-0.703	-0.756
19.5	-0.559	-0.636	-0.67	-0.704	-0.74	-0.784	-0.821	-0.877
19.75	-0.64	-0.721	-0.756	-0.793	-0.83	-0.877	-0.915	-0.974
20	-0.641	-0.726	-0.763	-0.802	-0.842	-0.89	-0.931	-0.992
20.25	-0.717	-0.806	-0.845	-0.885	-0.927	-0.978	-1.02	-1.085
20.75	-0.706	-0.803	-0.846	-0.889	-0.935	-0.99	-1.037	-1.107
21.25	-0.633	-0.738	-0.784	-0.831	-0.88	-0.94	-0.99	-1.066
21.75	-0.541	-0.653	-0.702	-0.753	-0.805	-0.87	-0.923	-1.004
22	-0.43	-0.546	-0.597	-0.649	-0.703	-0.769	-0.825	-0.908
22.25	-0.366	-0.485	-0.538	-0.592	-0.647	-0.716	-0.773	-0.859
22.5	-0.325	-0.448	-0.502	-0.557	-0.614	-0.685	-0.743	-0.832
22.75	-0.16	-0.286	-0.341	-0.398	-0.457	-0.529	-0.589	-0.68
23	-0.022	-0.151	-0.208	-0.266	-0.327	-0.401	-0.462	-0.556
23.25	0.274	0.142	0.085	0.025	-0.037	-0.113	-0.175	-0.271
23.5	0.425	0.29	0.231	0.17	0.107	0.03	-0.034	-0.132
23.75	0.672	0.534	0.474	0.412	0.348	0.268	0.203	0.103
24	0.866	0.726	0.664	0.601	0.536	0.455	0.389	0.287
24.25	1.087	0.944	0.882	0.818	0.751	0.669	0.602	0.499
24.5	1.293	1.148	1.085	1.02	0.952	0.869	0.801	0.696
24.75	1.512	1.365	1.301	1.235	1.166	1.082	1.012	0.906
25	1.738	1.59	1.525	1.458	1.389	1.303	1.233	1.125
25.25	1.969	1.819	1.753	1.686	1.616	1.53	1.458	1.35
25.5	2.196	2.045	1.979	1.91	1.84	1.753	1.681	1.571
25.75	2.41	2.258	2.191	2.122	2.051	1.963	1.89	1.78
26	2.592	2.438	2.371	2.302	2.23	2.142	2.069	1.958
26.25	2.738	2.584	2.516	2.447	2.375	2.286	2.213	2.101
26.5	2.852	2.697	2.63	2.56	2.487	2.398	2.325	2.213
26.75	2.926	2.771	2.703	2.633	2.561	2.472	2.398	2.285
27	2.951	2.796	2.728	2.658	2.585	2.496	2.422	2.309
27.25	2.925	2.769	2.701	2.631	2.559	2.469	2.395	2.283
27.5	2.863	2.708	2.64	2.57	2.498	2.409	2.335	2.223
27.75	2.781	2.626	2.559	2.489	2.417	2.328	2.254	2.143
28	2.68	2.526	2.459	2.389	2.317	2.229	2.156	2.044
28.25	2.562	2.409	2.342	2.273	2.202	2.114	2.041	1.93
28.5	2.431	2.279	2.213	2.144	2.073	1.986	1.914	1.804
28.75	2.289	2.138	2.072	2.004	1.934	1.848	1.776	1.667
29	2.137	1.988	1.923	1.855	1.786	1.7	1.629	1.521
29.25	1.976	1.829	1.764	1.698	1.629	1.544	1.474	1.368
29.5	1.805	1.66	1.596	1.531	1.463	1.379	1.31	1.205
29.75	1.623	1.48	1.417	1.352	1.285	1.203	1.135	1.031
30	1.43	1.289	1.227	1.164	1.098	1.017	0.95	0.848
30.25	1.229	1.09	1.029	0.967	0.902	0.823	0.757	0.656
30.5	1.013	0.877	0.818	0.756	0.693	0.615	0.55	0.452
30.75	0.774	0.64	0.582	0.522	0.46	0.383	0.32	0.224
31	0.521	0.391	0.334	0.275	0.214	0.139	0.077	-0.017
31.25	0.271	0.144	0.088	0.031	-0.029	-0.102	-0.162	-0.254

