DROP SPILLWAY CAPACITIES

Based On: $Q = \frac{(3.1)(h3/2)(L)}{(1.10 + .01F)}$

F = 3 Ft.

Length (L) \ Depth (h)	1.5	2.0	2.5	3.0	3.5	4.0
4	20	31	43	57	72	88
6	30	46	65	86	180	132
8	40	62	87	114	144	176
10	50	78	108	143	180	219
12	60	93	130	171	216	263
14	71	109	152	200	251	307
16	81	124	173	228	287	352
18	91	140	195	257	323	395
20	101	155	217	285	359	438
22	111	171	239	314	395	483
24	121	186	260	342	431	527
26	131	202	282	371	467	571
28	141	217	304	399	503	615
30	151	233	325	428	539	658

F = 4 Ft.

Length (L) \ Depth (h)	1.5	2.0	2.5	3.0	3.5	4.0	4.5
4	20	31	43	57	71	87	104
6	30	46	65	85	107	131	156
8	40	62	86	113	142	174	208
10	50	77	107	141	178	218	260
12	60	92	129	170	214	261	311
14	70	108	150	198	249	305	363
16	80	123	172	226	285	348	415
18	90	138	193	254	320	392	467
20	100	154	215	283	356	435	519
22	110	170	236	311	392	479	571
24	120	184	258	339	427	522	623
26	130	200	279	367	463	566	675
28	140	215	301	396	499	609	727
30	150	231	322	424	534	653	779

F = 5 Ft.

Length (L) \ Depth (h)	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
4	20	30	43	56	71	86	103	121
6	30	46	64	84	106	129	154	181
8	40	61	85	112	141	173	206	241
10	50	76	107	140	177	216	257	301
12	59	91	128	168	212	259	309	362
14	69	107	149	196	247	302	360	422
16	79	122	171	224	282	345	412	482
18	89	137	192	252	318	388	463	543
20	99	152	213	280	353	431	515	603
22	109	168	234	308	388	474	566	663
24	119	183	256	336	424	518	618	723
26	129	198	277	364	459	561	669	784
28	139	213	298	392	494	604	721	844
30	149	229	320	420	530	647	772	904

F = 6 Ft.

Length (L) \ Depth (h)	2.0	2.5	3.0	3.5	4.0	4.5	5.0
4	30	42	56	70	86	102	119
6	45	63	83	105	128	153	179
8	60	84	111	140	171	204	239
10	76	106	139	175	214	255	299
12	91	127	167	210	257	306	358
14	106	148	194	245	299	357	418
16	121	169	222	280	342	408	478
18	136	190	250	315	385	459	538
20	151	211	278	350	428	510	597
22	166	232	305	385	470	561	657
24	181	253	333	420	513	612	717
26	196	275	361	455	556	663	777
28	212	296	389	490	599	714	836
30	227	317	417	525	641	765	896

L = Length of Weir in feet
h = Total depth of Weir, in feet and includes freeboard.
F = Net drop from crest of notch to top of transverse sill

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DROP SPILLWAY CAPACITIES

Based On: $Q = \frac{(3.1)(h3/2)(L)}{(1.10 + .01F)}$

F = 7 Ft.

Length (L) \ Depth (h)	2.0	2.5	3.0	3.5	4.0	4.5	5.0
4	30	42	55	69	85	101	119
6	45	63	83	104	127	152	178
8	60	84	110	139	170	202	237
10	75	105	138	174	212	253	296
12	90	126	165	208	254	304	356
14	105	147	193	243	297	354	415
16	120	168	220	278	339	405	474
18	135	189	248	312	382	455	533
20	150	210	275	347	424	506	593
22	165	230	303	382	466	557	652
24	180	251	330	416	509	607	711
26	195	272	358	451	551	658	770
28	210	293	386	486	594	708	830
30	225	314	413	521	636	759	889

F = 8 Ft.

Length (L) \ Depth (h)	2.0	2.5	3.0	3.5	4.0	4.5	5.0
4	30	42	55	69	84	100	117
6	45	62	82	103	126	150	176
8	59	83	109	138	168	201	235
10	74	104	136	172	210	251	294
12	89	125	164	206	252	301	352
14	104	145	191	241	294	351	411
16	119	166	218	275	336	401	470
18	134	187	246	310	378	451	529
20	149	208	273	344	420	502	587
22	163	228	300	378	462	552	646
24	178	249	328	413	504	602	705
26	193	270	355	447	546	652	764
28	208	291	382	482	588	702	822
30	223	312	410	516	630	752	881

F = 9 Ft.

Length (L) \ Depth (h)	2.0	2.5	3.0	3.5	4.0	4.5	5.0
4	29	41	54	68	83	99	116
6	44	62	81	102	125	149	175
8	59	82	108	136	167	199	233
10	74	103	135	171	208	249	291
12	88	124	162	205	250	298	349
14	103	144	190	239	292	348	408
16	118	165	217	273	333	398	466
18	133	185	244	307	375	448	524
20	147	206	271	341	417	497	582
22	162	226	298	375	458	547	641
24	177	247	325	409	500	597	699
26	192	268	352	443	542	647	757
28	206	288	379	478	584	696	815
30	221	309	406	512	625	746	874

F = 10Ft.

Length (L) \ Depth (h)	2.0	2.5	3.0	3.5	4.0	4.5	5.0
4	29	41	54	68	83	99	116
6	44	61	80	101	124	148	173
8	58	82	107	135	165	197	231
10	73	102	134	169	207	247	289
12	88	122	161	203	248	296	347
14	102	143	188	237	289	345	404
16	117	163	215	271	331	395	462
18	132	184	242	304	372	444	520
20	146	204	268	338	413	493	578
22	161	225	295	372	455	542	635
24	175	245	322	406	496	592	693
26	190	266	349	440	537	641	751
28	205	286	376	474	579	690	809
30	219	306	403	507	620	740	866

L = Length of Weir in feet
h = Total depth of Weir, in feet and includes freeboard.
F = Net drop from crest of notch to top of transverse sill

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