

DISCHARGE TABLE FOR
3 FOOT RECTANGULAR WEIRS

Head in inches	Second Feet	Ac Ft. Per Hr.	Head in Inches	Second Feet	Ac Ft. Per Hr.
1-3/16	0.319	0.0265	6- 3/8	3.73	0.3108
1-5/16	0.367	0.3050	6- 1/2	3.83	0.3192
1-7/16	0.418	0.0348	6- 5/8	3.94	0.3283
1-9/16	0.470	0.0392	6- 3/4	4.06	0.3387
1-11/16	0.524	0.0436	6- 13/16	4.15	0.3458
1-13/16	0.581	0.0484	6- 15/16	4.26	0.3550
1-15/16	0.638	0.0532	7- 1/16	4.36	0.3633
2-1/16	0.698	0.0581	7- 3/16	4.47	0.3725
2-3/16	0.760	0.0633	7- 5/16	4.59	0.3825
2-1/4	0.823	0.0685	7- 7/16	4.69	0.3908
2-3/8	0.887	0.0739	7- 9/16	4.81	0.4008
2-1/2	0.954	0.0795	7- 11/16	4.92	0.4100
2-5/8	1.02	0.0850	7- 13/16	5.03	0.4192
2-3/4	1.09	0.0908	7- 15/16	5.15	0.4292
2-7/8	1.16	0.0966	8- 1/16	5.26	0.4383
3	1.23	0.1025	8- 3/16	5.38	0.4483
3-1/8	1.31	0.1092	8- 1/4	5.49	0.4575
3-1/4	1.38	0.1150	8- 3/8	5.61	0.4675
3-3/8	1.46	0.1218	8- 1/2	5.73	0.4775
3-1/2	1.53	0.1275	8- 5/8	5.85	0.4875
3-5/8	1.61	0.1342	8- 3/4	5.97	0.4975
3-3/4	1.69	0.1408	8- 7/8	6.09	0.5075
3-13/16	1.77	0.1475	9	6.21	0.5175
3-15/16	1.80	0.1500	9- 1/8	6.33	0.5275
4-1/16	1.94	0.1617	9- 1/4	6.45	0.5375
4-3/16	2.02	0.1683	9- 3/8	6.58	0.5483
4-5/16	2.11	0.1758	9- 1/2	6.70	0.5583
4-7/16	2.20	0.1833	9- 5/8	6.83	0.5692
4-9/16	2.28	0.1900	9- 3/4	6.95	0.5792
4-11/16	2.37	0.1975	9- 13/16	7.08	0.5900
4-13/16	2.46	0.2050	9- 15/16	7.21	0.6008
4-15/16	2.55	0.2125	10- 1/16	7.33	0.6108
5-1/16	2.65	0.2208	10- 3/16	7.46	0.6217
5-3/16	2.74	0.2283	10- 5/16	7.59	0.6325
5-1/4	2.83	0.2358	10- 7/16	7.72	0.6433
5-3/8	2.93	0.2442	10- 9/16	7.85	0.6541
5-1/2	3.03	0.2525	10- 11/16	7.99	0.6658
5-5/8	3.12	0.2600	10- 13/16	8.12	0.6767
5-3/4	3.22	0.2683	10- 15/16	8.25	0.6875
5-7/8	3.32	0.2767	11- 1/16	8.38	0.6983
6	3.42	0.2850	11- 3/16	8.52	0.7100
6-1/8	3.52	0.2933	11- 1/4	8.65	0.7208
6-1/4	3.62	0.3017			

3 Foot Rectangular Weir

DISCHARGE TABLE FOR
4 FOOT RECTANGULAR WEIRS

Head in inches	Second Feet	Ac Ft. Per Hr.	Head in Inches	Second Feet	Ac Ft. Per Hr.
1- 3/16	0.427	0.0355	6- 1/4	4.86	0.4050
1- 5/16	0.491	0.0409	6- 3/8	4.99	0.4158
1- 7/16	0.559	0.0465	6- 1/2	5.13	0.4275
1- 9/16	0.629	0.0524	6- 5/8	5.27	0.4391
1- 11/16	0.701	0.0584	6- 3/4	5.42	0.4516
1- 13/16	0.776	0.0646	6- 13/16	5.56	0.4633
1- 15/16	0.854	0.0711	6- 15/16	5.70	0.4750
2- 1/16	0.934	0.0778	7- 1/16	5.85	0.4875
2- 3/16	1.02	0.0850	7- 3/16	6.00	0.5000
2- 1/4	1.10	0.0916	7- 5/16	6.14	0.5116
2- 3/8	1.19	0.0991	7- 7/16	6.29	0.5241
2- 1/2	1.28	0.1066	7- 9/16	6.44	0.5366
2- 5/8	1.37	0.1141	7- 11/16	6.59	0.5491
2- 3/4	1.46	0.1216	7- 13/16	6.75	0.5625
2- 7/8	1.55	0.1291	7- 15/16	6.90	0.5750
3	1.65	0.1375	8- 1/16	7.05	0.5875
3- 1/8	1.75	0.1458	8- 3/19	7.21	0.6000
3- 1/4	1.85	0.1541	8- 1/4	7.36	0.6133
3- 3/8	1.95	0.1625	8- 3/8	7.52	0.6266
3- 1/2	2.05	0.1708	8- 1/2	7.68	0.6400
3- 5/8	2.16	0.1800	8- 5/8	7.84	0.6533
3- 3/4	2.26	0.1883	8- 3/4	8.00	0.6666
3- 13/16	2.37	0.1975	8- 7/8	8.17	0.6800
3- 15/16	2.48	0.2066	9	8.33	0.6941
4- 1/16	2.60	0.2166	9- 1/8	8.49	0.7075
4- 3/16	2.71	0.2258	9- 1/4	8.66	0.7216
4- 5/16	2.82	0.235	9- 3/8	8.82	0.7350
4- 7/16	2.94	2.450	9- 1/2	8.99	0.7491
4- 9/16	3.06	0.255	9- 5/8	9.16	0.7633
4- 11/16	3.18	0.265	9- 3/4	9.33	0.7775
4- 13/16	3.30	2.750	9- 13/16	8.50	0.7916
4- 15/16	3.42	0.285	9- 15/16	9.67	0.8058
5- 1/16	3.54	0.295	10- 1/16	9.84	0.8200
5- 3/16	3.67	0.3058	10- 3/16	10.01	0.8341
5- 1/4	3.80	0.3166	10- 5/16	10.19	0.8491
5- 3/8	3.93	0.3275	10- 7/16	10.36	0.8633
5- 1/2	4.05	0.3375	10- 9/16	10.54	0.8783
5- 5/8	4.18	0.3483	10- 11/16	10.71	0.8925
5- 3/4	4.32	0.3600	10- 13/16	10.89	0.9075
5- 7/8	4.45	0.3708	10- 15/16	11.07	9.2250
6	4.58	0.3816	11- 1/16	11.25	0.9375
6- 1/8	4.72	0.3933	11- 1/4	11.61	0.9675

4 Foot Rectangular Weirs

11- 3/8	11.79	0.9825	16- 7/16	20.20	1.6853
11- 1/2	11.98	0.9983	16- 9/16	20.42	1.7016
11- 5/8	12.16	1.0133	16- 11/16	20.64	1.7200
11- 3/4	12.34	1.0283	16- 13/16	20.86	1.7533
11- 7/8	12.53	1.0441	16- 15/16	21.00	1.7566
12	12.72	1.0600	17- 1/16	21.29	1.7741
12- 1/8	12.91	1.0758	17- 3/16	21.52	1.7933
12- 1/4	13.10	1.0916	17- 1/4	21.74	1.8116
12- 3/8	13.28	1.1066	17- 3/8	21.96	1.8300
12- 1/2	13.47	1.1225	17- 1/2	22.18	1.8483
12- 5/8	13.66	1.1383	17- 5/8	22.41	1.8675
12- 3/4	13.85	1.1541	17- 3/4	22.64	1.8866
12- 13/16	14.04	1.1700	17- 7/8	22.85	1.9041
12- 15/16	14.24	1.1866	18	23.08	1.9233
13- 1/16	14.43	1.2025			
13- 3/16	14.64	1.2200			
13- 5/16	14.83	1.2358			
13- 7/16	15.03	1.2525			
13- 9/16	15.22	1.2683			
13- 11/16	15.42	1.2850			
13- 13/16	15.62	1.3016			
13- 15/16	15.82	1.3183			
14- 1/16	16.02	1.3350			
14- 3/16	16.23	1.3525			
14- 1/4	16.43	1.3691			
14- 3/8	16.63	1.3858			
14- 1/2	16.83	1.4025			
14- 5/8	17.03	1.4191			
14- 3/4	17.25	1.4375			
14- 7/8	17.45	1.4666			
15	17.65	1.4708			
15- 1/8	17.87	1.4896			
15- 1/4	18.07	1.5058			
15- 3/8	18.23	1.5233			
15- 1/2	18.50	1.5416			
15- 5/8	18.71	1.5691			
15- 3/4	18.92	1.5766			
15- 13/16	19.12	1.5933			
15- 15/16	19.34	1.6116			
16- 1/16	19.55	1.6291			
16- 3/16	19.77	1.6475			
16- 5/16	19.98	1.6650			

4 Foot Rectangular Weirs

DISCHARGE TABLE FOR
4-1/2 FOOT RECTANGULAR WEIRS

Head in inches	Second Feet	Ac Ft. Per Hr.	Head in Inches	Second Feet	Ac Ft. Per Hr.
2- 3/8	1.330	0.1108	7- 7/16	7.115	0.5929
2- 1/2	1.430	0.1191	7- 9/16	7.285	0.6070
2- 5/8	1.530	0.1275	7- 11/16	7.455	0.6212
2- 3/4	1.635	0.1362	7- 13/16	7.625	0.6354
2- 7/8	1.745	0.1454	7- 15/16	7.800	0.6500
3	1.850	0.1541	8- 1/16	7.975	0.6645
3- 1/8	1.960	0.1633	8- 3/16	8.150	0.6791
3- 1/4	2.075	0.1729	8- 1/4	8.325	0.6937
3- 3/8	2.195	0.1829	8- 3/8	8.505	0.7087
3- 1/2	2.310	0.1925	8- 1/2	8.685	0.7237
3- 5/8	2.430	0.2025	8- 5/8	8.860	0.7383
3- 3/4	2.550	0.2125	8- 3/4	9.050	0.7541
3- 13/16	2.675	0.2229	8- 7/8	9.230	0.7691
3- 15/16	2.80	0.2333	9	9.415	0.7845
4- 1/16	2.93	0.2441	9- 1/8	9.550	0.7958
4- 3/16	3.055	0.2545	9- 1/4	9.775	0.8145
4- 5/16	3.18	0.2650	9- 3/8	9.960	0.8300
4- 7/16	3.315	0.2762	9- 1/2	10.140	0.8450
4- 9/16	3.450	0.2875	9- 5/8	10.325	0.8604
4- 11/16	3.585	0.2987	9- 3/4	10.510	0.8758
4- 13/16	3.720	0.3100	9- 13/16	10.740	0.8950
4- 15/16	3.860	0.3216	9- 15/16	10.925	0.9104
5- 1/16	4.005	0.3337	10- 1/16	11.11	0.9258
5- 3/16	4.145	0.3454	10- 3/16	11.30	0.9416
5- 1/4	4.285	0.3570	10- 5/16	11.50	0.9583
5- 3/8	4.435	0.3695	10- 7/16	11.65	0.9708
5- 1/2	4.580	0.3816	10- 9/16	11.90	0.9916
5- 5/8	4.725	0.3937	10- 11/16	12.10	1.008
5- 3/4	4.875	0.4062	10- 13/16	12.30	1.025
5- 7/8	5.030	0.4191	10- 15/16	12.45	1.037
6	5.180	0.4316	11- 1/16	12.70	1.058
6- 1/8	5.335	0.4445	11- 3/16	12.90	1.075
6- 1/4	5.485	0.4570	11- 1/4	13.10	1.091
6- 3/8	5.645	0.4704	11- 3/8	13.25	1.104
6- 1/2	5.800	0.4833	11- 1/2	13.50	1.125
6- 5/8	5.960	0.4966	11- 5/8	13.70	1.141
6- 3/4	6.125	0.5104	11- 3/4	13.90	1.158
6- 13/16	6.285	0.5237	11- 7/8	14.15	1.179
6- 15/16	6.445	0.5370	12	14.35	1.195
7- 1/16	6.615	0.5512	12- 1/8	14.50	1.208
7- 3/16	6.775	0.5645	12- 1/4	14.75	1.229
7- 5/16	6.945	0.5787	12- 3/8	14.95	1.245

4-1/2 Foot Rectangular Weirs

12- 1/2	15.15	1.262
12- 5/8	15.40	1.283
12- 3/4	15.60	1.3000
12- 13/16	15.80	1.3160
12- 15/16	16.00	1.3330
13- 1/16	16.20	1.3500
13- 3/16	16.45	1.3700
13- 5/16	16.65	1.3870
13- 7/16	16.90	1.4080
13- 9/16	17.10	1.4250
13- 11/16	17.30	1.4410
13- 13/16	17.55	1.4620
13- 15/16	17.75	1.4790
14- 1/16	18.00	1.5000
14- 3/16	18.20	1.5160
14- 1/4	18.45	1.5370
14- 3/8	18.65	1.5540
14- 1/2	18.90	1.5750
14- 5/8	19.10	1.5910
14- 3/4	19.35	1.6120
14- 7/8	19.55	1.6290
15	19.80	1.6500
15- 1/8	20.05	1.6700
15- 1/4	20.25	1.6870
15- 3/8	20.50	1.7080
15- 1/2	20.70	1.7250

4-1/2 Foot Rectangular Weirs

DISCHARGE TABLE FOR
5 FOOT RECTANGULAR WEIRS

Head in inches	Second Feet	Ac Ft. Per Hr.	Head in Inches	Second Feet	Ac Ft. Per Hr.
1- 3/16	0.52	0.0433	6- 15/16	7.14	0.5950
1- 7/16	0.68	0.0566	7- 1/16	7.34	0.6116
1- 15/16	1.05	0.0875	7- 3/16	7.53	0.6275
2- 3/16	1.26	0.1050	7- 5/16	7.69	0.6408
2- 3/8	1.49	0.1241	7- 7/16	7.89	0.6575
2- 1/2	1.60	0.1333	7- 9/16	8.07	0.6725
2- 5/8	1.72	0.1433	7- 11/16	8.26	0.6883
2- 3/4	1.84	0.1533	7- 13/16	8.47	0.7058
2- 7/8	1.94	0.1616	7- 15/16	8.65	0.7208
3	2.07	0.1725	8- 1/16	8.84	0.7366
3- 1/8	2.19	0.1825	8- 3/16	9.04	0.7533
3- 1/4	2.32	0.1933	8- 1/4	9.23	0.7691
3- 3/8	2.44	0.2033	8- 3/8	9.43	0.7858
3- 1/2	2.57	0.2141	8- 1/2	9.63	0.8025
3- 5/8	2.71	0.2258	8- 5/8	9.83	0.8191
3- 3/4	2.83	0.2358	8- 3/4	10.03	0.8358
3- 13/16	2.97	0.2475	8- 7/8	10.25	0.8541
3- 15/16	3.11	0.2591	9	10.45	0.8705
4- 1/16	3.25	0.2708	9- 1/8	10.65	0.8875
4- 3/16	3.40	0.2833	9- 1/4	10.87	0.9058
4- 5/16	3.53	0.2941	9- 3/8	11.06	0.9216
4- 7/16	3.68	0.3066	9- 1/2	11.28	0.9400
4- 9/16	3.84	0.3200	9- 5/8	11.49	0.9575
4- 11/16	3.99	0.3325	9- 3/4	11.71	0.9758
4- 13/16	4.14	0.3450	9- 13/16	11.92	0.9933
4- 15/16	4.29	0.3575	9- 15/16	12.13	1.010
5- 1/16	4.43	0.3691	10- 1/16	12.35	1.029
5- 3/16	4.60	0.3833	10- 3/16	12.56	1.046
5- 1/4	4.77	0.3975	10- 5/16	12.79	1.065
5- 3/8	4.93	0.4108	10- 7/16	13.00	1.083
5- 1/2	5.07	0.4225	10- 9/16	13.23	1.102
5- 5/8	5.24	0.4366	10- 11/16	13.43	1.119
5- 3/4	5.42	0.4516	10- 13/16	13.66	1.138
5- 7/8	5.56	0.4633	10- 15/16	13.89	1.157
6	5.74	0.4783	11- 1/16	14.12	1.176
6- 1/8	5.92	0.4933	11- 3/16	14.34	1.195
6- 1/4	6.10	0.5083	11- 1/4	14.57	1.214
6- 3/8	6.25	0.5208	11- 3/8	14.79	1.232
6- 1/2	6.43	0.5358	11- 1/2	15.03	1.252
6- 5/8	6.60	0.5500	11- 5/8	15.26	1.271
6- 3/4	6.80	0.5666	11- 3/4	15.48	1.290
6- 13/16	6.97	0.5808	11- 7/8	15.72	1.310

5 Foot Rectangular Weirs

12	16.06	1.338	16- 7/16	25.36	2.113
12- 1/8	16.20	1.350	16- 9/16	25.64	2.136
12- 1/4	16.44	1.370	16- 11/16	25.92	2.160
12- 3/8	16.66	1.388	16- 13/16	26.19	2.182
12- 1/2	16.90	1.408	16- 15/16	26.47	2.205
12- 5/8	17.14	1.428	17- 1/16	26.73	2.227
12- 3/4	17.38	1.448	17- 3/16	27.02	2.251
12- 13/16	17.62	1.468	17- 1/4	27.29	2.274
12- 15/16	17.87	1.489	17- 3/8	27.58	2.298
13- 1/16	18.11	1.509	17- 1/2	27.85	2.320
13- 3/16	18.38	1.531	17- 5/8	28.14	2.345
13- 5/16	18.62	1.551	17- 3/4	28.43	2.369
13- 7/16	18.87	1.572	17- 7/8	28.69	2.390
13- 9/16	19.10	1.591	18	28.99	2.415
13- 11/16	19.36	1.613	18- 1/4	29.98	2.498
13- 13/16	19.60	1.633	18- 3/4	30.92	2.576
13- 15/16	19.85	1.654	18- 7/8	31.05	2.587
14- 1/16	20.10	1.675	18- 3/16	31.54	2.628
14- 3/16	20.37	1.697	18- 3/4	33.39	2.782
14- 1/4	20.62	1.718	18- 3/8	34.40	2.866
14- 3/8	20.87	1.739	18- 5/8	37.31	3.119
14- 1/2	21.12	1.760			
14- 5/8	21.37	1.780			
14- 3/4	21.65	1.804			
14- 7/8	21.91	1.825			
15	22.16	1.846			
15- 1/8	22.44	1.870			
15- 1/4	22.69	1.890			
15- 3/8	22.95	1.912			
15- 1/2	23.23	1.935			
15- 5/8	23.49	1.957			
15- 3/4	23.75	1.979			
15- 13/16	24.00	2.000			
15- 15/16	24.28	2.023			
16- 1/16	24.54	2.045			
16- 3/16	24.82	2.068			
16- 5/16	25.08	2.090			

DISCHARGE TABLE FOR
6 FOOT RECTANGULAR WEIRS

Head in inches	Second Feet	Ac Ft. Per Hr.	Head in Inches	Second Feet	Ac Ft. Per Hr.
2	1.32	0.1100	11-1/2	18.18	1.5150
2-1/4	1.61	0.1342	11-3/4	18.77	1.5642
2-1/2	1.90	0.1583	12	19.35	1.6125
2-3/4	2.21	0.1842	12-1/4	20.03	1.6692
3	2.52	0.2100	12-1/2	20.70	1.7250
3-1/4	2.79	0.2325	12-3/4	21.24	1.7700
3-1/2	3.06	0.2550	13	21.78	1.8150
3-3/4	3.42	0.2850	13-1/4	22.41	1.8675
4	3.78	0.3150	13-1/2	23.04	1.9200
4-1/4	4.09	0.3408	13-3/4	23.76	1.9800
4-1/2	4.41	0.3675	14	24.48	2.0400
4-3/4	4.81	0.4008	14-1/4	25.07	2.0892
5	5.22	0.4350	14-1/2	25.62	2.1350
5-1/4	5.58	0.4650	14-3/4	26.31	2.1925
5-1/2	5.94	0.4950	15	27.00	2.2500
5-3/4	6.39	0.5325	15-1/4	27.72	2.3100
6	6.84	0.5700	15-1/2	28.44	2.3700
6-1/4	7.12	0.5933	15-3/4	29.07	2.4225
6-1/2	7.40	0.6167	16	29.70	2.4750
6-3/4	7.90	0.6583	16-1/4	30.51	2.5425
7	8.39	0.6992	16-1/2	31.32	2.6100
7-1/4	8.96	0.7467	16-3/4	32.04	2.6700
7-1/2	9.54	0.7950	17	32.76	2.7300
7-3/4	9.79	0.8158	17-1/4	33.48	2.7900
8	10.03	0.8358	17-1/2	34.20	2.8500
8-1/4	10.78	0.8983	17-3/4	34.92	2.9100
8-1/2	11.52	0.9600	18	35.64	2.9700
8-3/4	12.06	1.0050	18-1/2	36.54	3.0450
9	12.60	1.0500	19	38.70	3.2250
9-1/4	13.14	1.0950	19-1/2	39.96	3.3300
9-1/2	13.68	1.1400	20	41.76	3.4800
9-3/4	14.04	1.1700	20-1/2	43.20	3.6000
10	14.40	1.2000	21	45.00	3.7500
10-1/4	15.08	1.2567			
10-1/2	15.75	1.3125			
10-3/4	16.20	1.3500			
11	16.65	1.3875			
11-1/4	17.43	1.4525			