WATER VOLUME CALCULATOR

For partly filled dams
(Volume in cubic yards)

For Square Dams: Length of One Side at Water Level (ft) ↓	Depth of Water (feet) 2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	For Near-Square Dams: Perimeter at Water Level (ft) ↓
187	2420	3520	4540	5490	6370	7190	7940	8635	9255	9835	10345	10805	11220	11590	11915	12200	12445	12660	12840	12990	13115	13215	13295	13355	13400	13430	13450	13462	13467	748
181	2270	3290	4240	5120	5940	6690	7385	8015	8595	9105	9565	9980	10350	10675	10960	11205	11420	11600	11750	11875	11975	12055	12115	12160	12190	12210	12222	12227		724
175	2120	3070	3950	4770	5520	6215	6845	7425	7935	8395	8810	9180	9505	9790	10035	10250	10430	10580	10705	10805	10885	10945	10990	11020	11040	11052	11057			700
169	1970	2850	3670	4420	5115	5745	6325	6835	7295	7710	8080	8405	8690	8935	9150	9330	9480	9605	9705	9785	9845	9890	9920	9940	9952	9957				676
163	1830	2650	3400	4095	4725	5305	5515	6275	6690	7060	7385	7670	7915	8130	8310	8460	8585	8685	8765	8825	8870	8900	8920	8932	8937					652
157	1700	2450	3145	3775	4355	4865	5325	5740	6110	6435	6720	6965	7180	7360	7510	7635	7735	7815	7875	7920	7950	7970	7982	7987						628
151	1570	2265	2895	3475	3985	4445	4860	5230	5555	5840	6085	6300	6480	6630	6755	6855	6935	6995	7040	7070	7090	7102	7107							604
145	1445	2075	2658	3165	3625	4040	4410	4735	5020	5265	5480	5660	5810	5935	6035	6115	6175	6220	6250	6270	6282	6287								580
139	1352	1905	2415	2875	3290	3660	3985	4270	4525	4730	4910	5060	5185	5285	5365	5425	5470	5500	5520	5532	5537									556
133	1210	1720	2180	2595	2965	3290	3575	3820	4035	4215	4365	4490	4590	4670	4730	4775	4805	4825	4837	4842										532
127	1000	1550	1965	2335	2660	2945	3190	3405	3585	3735	3860	3960	4040	4100	4145	4175	4195	4207	4212											508
121	970	1385	1755	2080	2365	2610	2825	3005	3155	3280	3380	3460	3520	3565	3595	3615	3627	3632												484
115	875	1245	1570	1855	2100	2315	2495	2645	2770	2870	2950	3010	3055	3085	3105	3117	3122													460
109	785	1110	1395	1640	1855	2035	2185	2310	2410	2490	2550	2595	2625	2645	2657	2662														436
103	695	980	1225	1440	1620	1770	1895	1995	2075	2135	2180	2210	2230	2242	2247															412
97	610	855	1070	1250	1400	1525	1625	1705	1765	1810	1840	1860	1872	1877																388
91	530	745	925	1075	1200	1300	1380	1440	1485	1515	1535	1547	1552																	364
85	460	640	790	915	1015	1095	1155	1200	1230	1250	1262	1267																		340
79	395	545	670	770	850	910	955	985	1005	1017	1022																			316
73	330	455	555	635	695	740	770	790	802	807																				292
67	275	375	455	515	560	590	610	622	627																					268
61	225	305	365	410	440	460	472	478																						244
55	180	240	285	315	335	347	352																							220
49	140	185	215	235	247	252																								196
43	105	135	155	167	172																									172
37	75	95	107	112																										148
31	50	62	67																											124
25	32	37																												100
19	17																													76

The volumes in the Dam Volume Indicatcr are accurate for a square dam with a standard batter of 1 in 3. For other dams the volumes are approximate. The volumes of rectangular dams are overestimated. The volumes of dams with a batter of 1 in 4 are also overestimated.

This Water Volume Calculator was devised by Messrs. W. J. Burdass, J. L. Frith and W. Stock, Soil Conservation officers at the Katanning district office.