

700 SERIES SCOWS - LOAD VOLUMES vs. AVERAGE DRAFT

GL-701 and GL-702

Avg. Keel Draft (ft)	Full Displacement (LT)	Load Weight (LT)	Load Volume (CY)					
			70 lb/cf 1.12 s.g.	80 lb/cf 1.28 s.g.	90 lb/cf 1.44 s.g.	100 lb/cf 1.60 s.g.	110 lb/cf 1.76 s.g.	120 lb/cf 1.92 s.g.
4.16	1552.23	0.00	0	0	0	0	0	0
4.5	1688.31	136.08	161	141	125	113	103	94
5.0	1892.10	339.87	403	352	313	282	256	235
5.5	2097.50	545.27	646	565	503	452	411	377
6.0	2304.68	752.45	892	780	694	624	568	520
6.5	2513.81	961.58	1140	997	886	798	725	665
7.0	2725.02	1172.79	1390	1216	1081	973	885	811
7.5	2937.91	1385.68	1642	1437	1277	1150	1045	958
8.0	3152.26	1600.03	1896	1659	1475	1327	1207	1106
8.5	3368.00	1815.77	2152	1883	1674	1506	1369	1255
9.0	3585.15	2032.92	2409	2108	1874	1687	1533	1405
9.5	3803.82	2251.59	2669	2335	2076	1868	1698	1557
10.0	4023.97	2471.74	2929	2563	2278	2051	1864	1709
10.5	4245.91	2693.68	3193	2793	2483	2235	2032	1862
11.0	4469.56	2917.33	3458	3025	2689	2420	2200	2017
11.5	4694.78	3142.55	3725	3259	2897	2607	2370	2173
12.0	4921.38	3369.15	3993	3494	3106	2795	2541	2329
12.5	5149.62	3597.39	4264	3731	3316	2985	2713	2487
13.0	5379.17	3826.94	4536	3969	3528	3175	2886	2646
13.5	5610.00	4057.77	4809	4208	3740	3366	3060	2805
14.0	5842.06	4289.83	5084	4449	3954	3559	3235	2966
14.5	6075.21	4522.98	5361	4690	4169	3752	3411	3127
15.0	6309.76	4757.53	5639	4934	4386	3947	3588	3289
15.5	6545.54	4993.31	5918	5178	4603	4143	3766	3452
16.0	6782.92	5230.69	6199	5424	4822	4340	3945	3616
16.5	7021.64	5469.41	6482	5672	5042	4538	4125	3781
17.0	7261.34	5709.11	6766	5921	5263	4736	4306	3947
17.5	7501.86	5949.63	7051	6170	5484	4936	4487	4113
18.0	7742.50	6190.27	7337	6420	5706	5136	4669	4280
18.5	7983.65	6431.42	7622	6670	5929	5336	4851	4446
19.0	8225.24	6673.01	7909	6920	6151	5536	5033	4613
19.5	8467.16	6914.93	8195	7171	6374	5737	5215	4781

LIGHTSHIP IS 1552.23 LT (1,738.50 ST)

VOLUME AT 100% CAPACITY = 7677.27 CUBIC YARDS

8'-7 7/8" COAMING HEIGHT



MLD DRAFT AT "B-25" SUMMER LOAD LINE = 19'-1 5/16"

EXTREME DRAFT AT "B-25" SUMMER LOAD LINE = 19'-1 13/16"

NO TRIM OR HEEL

REF: 471-01-25071r2, Hydrostatics

471-01-26550r-, Ullage Table

		DRAWING TITLE: DRAFT VERSUS LOAD VOLUME		 GREAT LAKES DREDGE & DOCK CO. 2122 YORK RD OAK BROOK, IL 60525	
REV	DATE	REVISIONS	BY	APD	
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DATE LAST MODIFIED: 8/10/2017			VESSEL: SCOWS 701 & 702 DATE: 8/10/2017 SHEET: 1 OF 1		
			GLDD DWG NUMBER: 471 01 30457 REV: 