

**500 SERIES SCOWS**  
**LOAD VOLUMES vs. AVERAGE DRAFT**

Avg. Draft (ft)	Displacement (ST)	Load Weight (ST)	Load Volume (CY)				
			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.
4.21	1757	0	0	0	0	0	0
4.50	1886	129	120	106	96	87	80
5.00	2115	358	331	294	265	241	221
5.50	2345	588	545	484	436	396	363
6.00	2578	821	760	676	608	553	507
6.50	2812	1055	977	869	782	711	651
7.00	3049	1292	1196	1063	957	870	797
7.50	3287	1530	1417	1259	1133	1030	945
8.00	3527	1770	1639	1457	1311	1192	1093
8.50	3769	2012	1863	1656	1490	1355	1242
9.00	4012	2255	2088	1856	1670	1518	1392
9.50	4256	2499	2314	2057	1851	1683	1543
10.00	4502	2745	2542	2260	2034	1849	1695
10.50	4751	2994	2772	2464	2218	2016	1848
11.00	5002	3245	3005	2671	2404	2185	2003
11.50	5254	3497	3238	2878	2590	2355	2159
12.00	5508	3751	3473	3087	2779	2526	2316
12.50	5764	4007	3710	3298	2968	2698	2473
13.00	6021	4264	3948	3510	3159	2871	2632
13.50	6280	4523	4188	3723	3350	3046	2792
14.00	6540	4783	4428	3936	3543	3221	2952
14.50	6802	5045	4671	4152	3737	3397	3114
15.00	7065	5308	4915	4369	3932	3574	3277
15.50	7329	5572	5160	4586	4128	3752	3440
16.00	7596	5839	5406	4806	4325	3932	3604
16.50	7864	6107	5654	5026	4523	4112	3769
17.00	8132	6375	5903	5247	4722	4293	3935
17.50	8402	6645	6153	5469	4922	4475	4102
18.00	8672	6915	6403	5691	5122	4657	4269
18.50	8942	7185	6653	5914	5322	4838	4435
19.00	9213	7456	6904	6137	5523	5021	4603
19.50	9484	7727	7155	6360	5724	5203	4770

SPILLING =

LIGHTSHIP IS 1,757 ST (1,569 LT)  
VOLUME AT 100% CAPACITY = 5,046 CUBIC YARDS  
1'-3" COAMINGS INSTALLED  
DRAFT AT "B-25" SUMMER LOAD LINE = 19.17'  
NO TRIM OR HEEL  
ULLAGE TABLE ON GLDD DWG 451-02-0078 USED FOR 100% VOLUME

REVISION DATE: 10/1/09

GLDD DWG 451/452-01-21008