

## THE MARAD FLEET WASTE SURVEY

### All 13 Ships

Ship Name	Light Displacement Weight	Arrival Weight	Hull	Size	Material that may contain minute quantities of fixed PCB	Potential PCB Content see A below	Material Contaminated with Asbestos	Probable Asbestos Content see B below	Heavy Fuel Oil	Oily Water	New Diesel Oil	New Lube Oil	Oil Residues	Total Waste to Landfill
	Tonnes	Tonnes		metres	Tonnes	Kgs	Tonnes	Tonnes	Tonnes	Tonnes	Tonnes	Tonnes	Tonnes	Tonnes
American Banker	11,953	12,640	Steel	203x23	38.10	1.91	131.00	52.40	99	322	266.00	-	-	169.10
American Ranger	7,545	8,584	Steel	165x23	47.30	2.37	100.00	40.00	464	279	295.00	1.00	-	147.30
Caloosahatchee	10,300	10,422	Steel	196 x 22	34.10	1.71	76.00	30.40	-	42	-	79.80	-	110.10
Canisteo	10,723	11,005	Steel	196 x 22	34.10	1.71	76.00	30.40	-	20	0.80	24.49	237.10	110.10
Canopus	12,000	12,877	Steel	196 x 22	286.00	14.30	317.00	126.80	-	676	201.20	-	-	603.00
Compass Island	14,170	14,443	Steel	171 x 23	47.30	2.37	317.00	126.80	-	56	192.70	14.70	9.10	364.30
Donner	5,323	5,343	Steel	142x22	13.70	0.69	95.00	38.00	19	1	-	-	-	108.70
Mormacmoon	7,545	7,965	Steel	172x23	33.50	1.68	109.00	43.60	128	267	-	24.78	-	142.50
Mormacwave	9,964	10,263	Steel	172x23	34.40	1.72	109.00	43.60	168	96	17.40	17.82	-	143.40
Protector	5,174	6,029	Steel	134x20	23.80	1.19	106.00	42.40	646	38	167.50	3.63	-	129.80
Rigel	8,097	8,098	Steel	153x22	34.60	1.73	76.00	30.40	-	1	-	-	-	110.60
Santa Cruz	9,982	10,358	Steel	170x25	37.20	1.86	126.00	50.40	370	4	-	2.00	-	163.20
Santa Isabel	9,982	10,415	Steel	170x25	37.20	1.86	126.00	50.40	406	17	9.30	1.00	-	163.20
<b>Totals</b>	<b>122,758.00</b>	<b>128,442.72</b>			<b>701.30</b>	<b>35.07</b>	<b>1,764.00</b>	<b>705.60</b>	<b>2,300</b>	<b>1,819</b>	<b>####</b>	<b>169.22</b>	<b>246.20</b>	<b>2,465.30</b>
Percentage		100.00%			0.55%	0.03%	1.37%	0.55%	1.79%	1.42%	0.90%	0.13%	0.19%	1.92%
<b>Average for all 13 ships</b>					<b>53.95</b>	<b>2.70</b>	<b>135.69</b>	<b>54.28</b>	<b>176.92</b>	<b>139.95</b>	<b>88.45</b>	<b>13.02</b>	<b>18.94</b>	<b>189.64</b>

### Ships at TERRC in 2003

	Tonnes	Tonnes		metres	Tonnes	Kgs	Tonnes	Tonnes	Tonnes	Tonnes	Tonnes	Tonnes	Tonnes	Tonnes
Caloosahatchee	10,300	10,422	Steel	196 x 22	34.10	1.71	76.00	30.40	-	42	-	79.80	-	110.10
Canisteo	10,723	11,005	Steel	196 x 22	34.10	1.71	76.00	30.40	-	20	0.80	24.49	237.10	110.10
Canopus	12,000	12,877	Steel	196 x 22	286.00	14.30	317.00	126.80	-	676	201.20	-	-	603.00
Compass Island	14,170	14,443	Steel	171 x 23	47.30	2.37	317.00	126.80	-	56	192.70	14.70	9.10	364.30
<b>Totals</b>	<b>47,193.00</b>	<b>48,747.29</b>			<b>401.50</b>	<b>20.08</b>	<b>786.00</b>	<b>314.40</b>	<b>-</b>	<b>794</b>	<b>394.70</b>	<b>118.99</b>	<b>246.20</b>	<b>1,187.50</b>
Percentage		100.00%			0.82%	0.04%	1.61%	0.64%	0.00%	1.63%	0.81%	0.24%	0.51%	2.44%
<b>Average for the first four ships</b>					<b>30.88</b>	<b>1.54</b>	<b>60.46</b>	<b>24.18</b>	<b>-</b>	<b>61.11</b>	<b>30.36</b>	<b>9.15</b>	<b>18.94</b>	<b>91.35</b>

A - The PCB quantity within the potentially contaminated material assumes at 50 parts per million.

B - Asbestos content in contaminated material has been calculated to be 40% based on prev

\*Light Displacement Definition. – The weight of a ship as constructed with all its permanent equipment including permanent ballast, wastes that are attached or incorporated in the operational machinery, but excluding the weight of cargo, stores, persons, dunnage, waste water & oily-water. heavy fuel oil, marine diesel oil, lube oil & hydraulic oil.