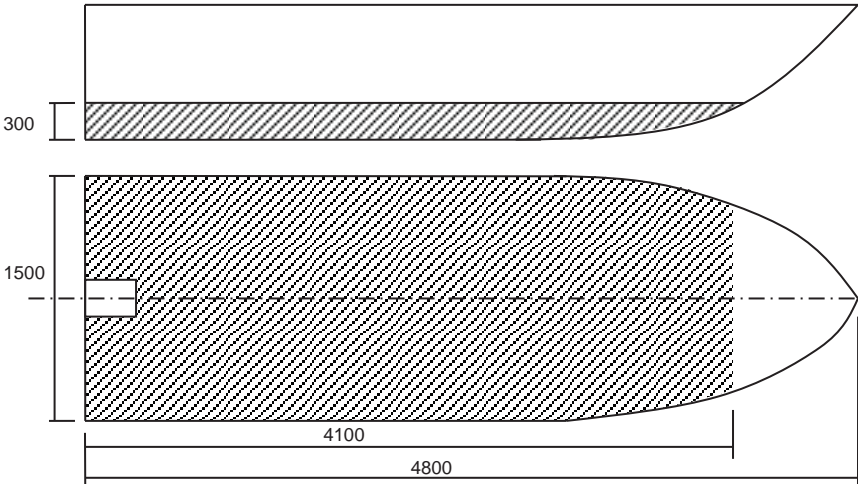



# SMALL VESSEL BUOYANCY CERTIFICATE

**CERTIFICATE TYPE – BUILT-IN BUOYANCY (DECKED VESSEL) – Cat B to E**

<u>Vessel Name:</u> FISHY STORY	<u>Vessel No.</u> DTC 1234D																				
<u>Description:</u> 4.8m Monohull GRP small fishing vessel.																					
<u>Build Details</u> Builder:            ##### Marine Date of Build:    2005/6 Model:             16' ##### Ski	<u>Principal Dimensions</u> Length Overall:    4.80 [m] Breadth Overall:    2.10 [m]																				
<u>Propulsion</u> 1.    The recommended propulsion for the vessel is 2 x 40 hp outboard engines 2.    The maximum allowable weight of the outboard motors fitted may not exceed 160kg.																					
<u>Built-in Buoyancy</u> 1.    The underdeck of the vessel is filled with closed cell polyurethane foam as is indicated on the sketch below. Volume $\approx 0.926 \text{ m}^3$																					
																					
<u>Design Weight</u>																					
Light weight:	650 kg																				
Deadweight	<u>590 kg</u>																				
Maximum Weight	<u>1240 kg</u>																				
	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;"><u>Deadweight</u></td> <td style="width: 20px;"></td> <td style="padding: 5px;">2 x Outboard Engines (2 x 70 kg)</td> <td style="padding: 5px;">140 kg</td> </tr> <tr> <td></td> <td></td> <td style="padding: 5px;">4 x Crew (4 x 75 kg)</td> <td style="padding: 5px;">300 kg</td> </tr> <tr> <td></td> <td></td> <td style="padding: 5px;">Crew Effects/Equipment</td> <td style="padding: 5px;"><u>150 kg</u></td> </tr> <tr> <td></td> <td style="padding: 5px;">→</td> <td style="padding: 5px;">Foam Volume</td> <td style="padding: 5px;">= 0.926 m<sup>3</sup> <math>\approx</math> 926 kg</td> </tr> <tr> <td></td> <td style="padding: 5px;">→</td> <td style="padding: 5px;">Maximum vessel weight</td> <td style="padding: 5px;">= 1240 kg</td> </tr> </table>	<u>Deadweight</u>		2 x Outboard Engines (2 x 70 kg)	140 kg			4 x Crew (4 x 75 kg)	300 kg			Crew Effects/Equipment	<u>150 kg</u>		→	Foam Volume	= 0.926 m <sup>3</sup> $\approx$ 926 kg		→	Maximum vessel weight	= 1240 kg
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<u>Conclusion and Comments</u>																					
<ol style="list-style-type: none"> <li>1.    Percentage of Built-in Buoyancy provided (With crew and effects) <math>\approx 74.7\%</math>.</li> <li>2.    The vessel may be expected to remain afloat when fully flooded, swamped or capsized and when capsized, provide a level platform to which the full complement of the vessel can be secured.</li> <li>3.    Vessel buoyancy provisions satisfactory for category B to R operations.</li> <li>4.    This buoyancy certificate should be retained on board with the vessels Local General Safety Certificate or Certificate of Fitness.</li> <li>5.    Partial inspection of the buoyancy installation should be carried out every 5 years provided that the hull is not damaged.</li> </ol>																					
<hr style="width: 80%; margin: 0 auto;"/> Boat Builders Representative	<hr style="width: 80%; margin: 0 auto;"/> Date																				