



Re3DP Trawl Bill of Materials

Component	Description	Link	Measurement	Total Cost	Cost/Trawl	Notes
6 Screws	Aluminum Decorative Round Head Slotted Screws	<a href="https://www.mcmaster.com/#93143a153/=1dca0yt">https://www.mcmaster.com/#93143a153/=1dca0yt</a>	6-32 thread, 1" long	\$13.14	\$1.58	4 attach to connectors and frames; 2 attach bottles to connectors
6 Nuts	Aluminum Hex Nut	<a href="https://www.mcmaster.com/#93181a007/=1dc9emf">https://www.mcmaster.com/#93181a007/=1dc9emf</a>	6-32 thread, 5/16" wide	\$3.94	\$0.24	Attach to bottom of screws
6 Washers	Aluminum Washer	<a href="https://www.mcmaster.com/#93286a007/=1dca2t9">https://www.mcmaster.com/#93286a007/=1dca2t9</a>	.375" OD	\$4.56	\$0.27	Place under screw heads
1 Net	Paint Strainers	<a href="https://www.mcmaster.com/#95495t45/=1cjw4tt">https://www.mcmaster.com/#95495t45/=1cjw4tt</a>	5 gal	\$3.53	\$1.77	Paint Filter used on 5Gal bucket will collect plastic pollution
2 3DP Connectors	3D Printed Filament - REFIL PET Green	<a href="http://a.co/0EEM4t1">http://a.co/0EEM4t1</a>	1.75 mm	\$39.99	\$4.68	3D Printed components preferably using Recycled Filament
2 2L Bottles	2L PETE bottle with cap preferably reclaimed		2L bottles	-	-	Screw 2 bottle caps to 2 Connectors, then screw bottles into caps
2 Frames	6061 Aluminium	<a href="https://www.mcmaster.com/#8975k577/=1cjw60m">https://www.mcmaster.com/#8975k577/=1cjw60m</a>	1' long, 1/8" thick, 1/2" wide	\$4.73	\$1.58	Need 2 ~12" long pieces, drill 2 ~3/16" holes, .325" from ends
					\$10.11	
1 Rope	Wet-Environment Rope - No-Flatten	<a href="https://www.mcmaster.com/#3873t23/=1cyjhe6">https://www.mcmaster.com/#3873t23/=1cyjhe6</a>	50' 1/4" Diameter	\$16.00	\$3.20	Cut to fit Trawling conditions
					\$13.31	