



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/=1cjyhe6">https://www.mcmaster.com/#3873t23/=1cjyhe6</a>     | 50' 1/4" Diameter              | \$16.00    | \$3.20     | Cut to fit Trawling conditions                                    |
|                  |   |   |                                |            | \$13.31    |   |