Table I

| ***Component(s)a*** | ***Cost*** | ***Details*** |
| --- | --- | --- |
| Trawl Float (Pressure Housing) | $33 | 12” ABS Trawl Float  27.5 lb. nominal buoyancy |
| PAR Sensor | $364 | Skye Instruments TAG-PARQ Sensor  ±3% accuracy, 0 to 2000 mol/m2s |
| Temperature Sensor | $10 | Custom NTC Thermistor Probe  ±0.01°C accuracy, -5°C to +70°C |
| Pressure Sensors | $125 ea | Two Keller PA-4LD Pressure Sensors  4.5cm accuracy (at 0°C), 0 to 30/100m |
| Iridium Module  and Antenna | $330 | RockSeven RockBLOCK Mk2  Iridium 9602 Module |
| Burn Wire Release | $165 | Sub-Sea Sonics TR-45 Timed Release  40 lb. Max. Load, 170 Day Max. Time |
| Micro-Controller | $38 | Arduino MEGA 2650 |
| Battery Pack | $56 | Custom 9V, 28A-h Alkaline Pack |
| GPS Module  and Antenna | $35 | Alpha Micro PA6H Module |
| PCB Assembly | $350 | Custom PCB Assembly |
| Mechanical Assembly | $1,100 | Custom Machining for Load-Reducing Mechanism and Sensor Integration |
| **TOTAL** | **$3,000** | Total cost (Note: not all components are listed in this table) |

Table II

| Component(s)a | Costb | Details |
| --- | --- | --- |
| Trawl Float (Pressure Housing) | $33 | 12” ABS Trawl Float  27.5 lb. nominal buoyancy |
| PAR Sensor | $364 | Skye Instruments TAG-PARQ Sensor  ±3% accuracy, 0 to 2000 mol/m2s |
| Temperature Sensors | $67 ea | US Sensor NTC Thermistor Probes  ±0.01°C accuracy, -5°C to +70°C |
| Pressure Sensor | $117 | Keller PA-4LD Pressure Sensors  4.5cm accuracy (at 0°C), 0 to 100m |
| Iridium Module  and Antenna | $330 | RockSeven RockBLOCK Mk3  Iridium 9603 Module |
| Burn Wire Release | $750 | DBV Technology Burn Wire Release  40 lb. Max. Load, 170 Day Max. Time |
| Micro-Controller | $38 | Arduino MEGA 2650 |
| Battery Pack | $95 | Custom 9V, 42A-h Alkaline Pack |
| GPS Module  and Antenna | $35 | Alpha Micro PA6H Module |
| PCB Assembly | $350 | Custom PCB Assembly |
| Mechanical Assembly | $600 | Custom Machining for Load-Reducing Mechanism and Sensor Integration |
| Fluorometer (Optional) | $1,600 | Turner Cyclops Fluorometer |
| **TOTAL** | **$3,000** | Total cost (Note: not all components are listed in this table) |