

LMG

Science Equipment/Systems Allocation

CORING AND BOTTOM SAMPLING

| Product | Quantity on Hand |
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| <i>Coring Equipment</i> | |
| Coring, Jumbo Piston, stern deployment with rail system, max. core length ~40' | 1 |
| Bundle Component: JPC rail system | |
| Bundle Component: Hawbolt Tugger with split drum, configured for coring | |
| Bundle Component: Head Sheave , App A. coring compliant (Smith Berger Coring or Smith Berger Trawl) | |
| Bundle Component: Head Weight 2.5 ton | |
| Bundle Component: UASP Coring Van | |
| Bundle Component: Cutter Noses (4ea for every 10 deployments) | |
| Bundle Component: Bail (per head weight, plus spare) | |
| Bundle Component: Quick Release (minimum two) | |
| Bundle Component: Core Catchers | |
| Bundle Component: Barrel Couplers | |
| Bundle Component: Trigger weight stand | |
| Bundle Component: Trigger weight, plus spare | |
| Bundle Component: Trigger Wire (appropriate for barrel length and expected bottom type) | |
| Bundle Component: Tri-Net Block (trigger wire block) | |
| Bundle Component: Tugger Winch for Trigger Core deployment | |
| Bundle Component: Winch DUSH 9-11 with 9/16 wire rope | |
| Bundle Component: Stern A-Frame Operations | |
| 10ft barrel sections | |
| 10ft core liner sections , Include Piston Core | |
| 10ft core liner sections , Trigger Core liners | |
| Coring, Jumbo Piston, starboard deployment max. core length ~ 80' | 1 |
| Bundle Component: Head Weight Cradle | |
| Bundle Component: STB Deployment Platform "Hero Platform" | |
| Bundle Component: Head Sheave , App A. coring compliant QTY 2 (Smith Berger Coring AND/OR Smith Berger Trawl) | |
| Bundle Component: Turning Block | |
| Bundle Component: Flagging Block | |

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| Bundle Component: Rail Clamps | |
| Bundle Component: Head Weight 2.5ton QTY:3 | |
| Bundle Component: UASP Coring Van | |
| Bundle Component: Cutter Noses (4ea for every 10 deployments) | |
| Bundle Component: Bail (per head weight, plus spare) | |
| Bundle Component: Quick Release (minimum two) | |
| Bundle Component: Core Catchers | |
| Bundle Component: Barrel Couplers | |
| Bundle Component: Trigger weight stand | |
| Bundle Component: Trigger weight, plus spare | |
| Bundle Component: Trigger Wire (appropriate for barrel length and expected bottom type) | |
| Bundle Component: Tri-Net Block (trigger wire block) | |
| Bundle Component: Tugger Winch for Trigger Core deployment | |
| Bundle Component: Winch DUSH 9-11 with 9/16 wire rope | |
| Bundle Component: Stern Crane operations | |
| Bundle Component: Mid Ship Crane operations | |
| Bundle Component: STB A-Frame Operations | |
| Bundle Component: Stern A-Frame Operations | |
| 10ft barrel sections | |
| 10ft core liner sections , Piston Core Liner | |
| 10ft core liner sections , Trigger Core Liner | |
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| Coring, Kasten, USAP Standard 3m cores | 2 |
| Bundle Component: Head Weight Stand | |
| Bundle Component: Head Sheave , App A. coring compliant QTY 1 (Smith Berger Coring OR Smith Berger Trawl) | |
| Bundle Component: Cutter Noses (3ea for every 10 deployments) | |
| Bundle Component: Slider Weight | |
| Bundle Component: Barrel Cart | |
| Bundle Component: Winch DUSH 9-11 with 9/16 wire rope | |
| Bundle Component: Stern A-Frame Operations | |
| 3 meter barrel | 5 |
| 6 meter barrel | 1 |
| 1.5 barrel | 1 |
| | |
| <i>Dredges - Rock Sampling</i> | |
| Dredge, chain, large, scallop dredge style | 1 |
| Bundle Component: Head Sheave , App A. coring compliant QTY 1 (Smith Berger Coring OR Smith Berger Trawl) | |
| Bundle Component: Winch DUSH 9-11 with 9/16 wire rope | |
| Bundle Component: Stern A-Frame Operations | |

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| Dredge, chain, small, scallop dredge style | 1 |
| Bundle Component: Head Sheave , App A. coring compliant QTY 1 (Smith Berger Coring OR Smith Berger Trawl) | |
| Bundle Component: Winch DUSH 9-11 with 9/16 wire rope | |
| Bundle Component: Stern A-Frame Operations | |
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| Dredge, SIO style Deep Sea Rock Dredge | 3 |
| Bundle Component: Head Sheave , App A. coring compliant QTY 1 (Smith Berger Coring OR Smith Berger Trawl) | |
| Bundle Component: Winch DUSH 9-11 with 9/16 wire rope | |
| Bundle Component: Stern A-Frame Operations | |
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| Dredge, USAP Improved Basket Dredge | 2 |
| Bundle Component: Head Sheave , App A. coring compliant QTY 1 (Smith Berger Coring OR Smith Berger Trawl) | |
| Bundle Component: Winch DUSH 9-11 with 9/16 wire rope | |
| Bundle Component: Stern A-Frame Operations | |
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| Dredge, USGS Ring Style Dredge | 2 |
| Bundle Component: Head Sheave , App A. coring compliant QTY 1 (Smith Berger Coring OR Smith Berger Trawl) | |
| Bundle Component: Winch DUSH 9-11 with 9/16 wire rope | |
| Bundle Component: Stern A-Frame Operations | |
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| <i>Epibenthic Sled</i> | |
| Epibenthic Sled, for sampling benthic and benthopelagic faunas | 1 |
| Bundle Component: Head Sheave - wire appropriate | |
| Bundle Component: Winch DUSH 9-11 with 9/16 wire rope | |
| Bundle Component: Stern A-Frame Operations | |
| net, 1000um mesh size | 1 |
| net, 363um mesh size | 1 |
| net, 500um mesh size | 1 |
| Sample Collection Bucket, Detachable, 10cm diameter, 1000um mesh size | 1 |
| Sample Collection Bucket, Detachable, 10cm diameter, 363um mesh size | 1 |
| Sample Collection Bucket, Detachable, 10cm diameter, 500um mesh size | 1 |
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| <i>Sediment Sampling Equipment</i> | |
| Sediment sampling, Box Corer, Ocean Instruments BX-650, (0.25 sq M surface), for sediment surface sampling | 1 |

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| Bundle Component: Head Sheave - wire appropriate | |
| Bundle Component: Sapre Spades QTY 3 | |
| Bundle Component: Sapre Spades QTY 3 | |
| Bundle Component: Box Trolly QTY 3 | |
| Bundle Component: Trigger wire QTY 3 | |
| Bundle Component: Winch DUSH 9-11 with 9/16 wire rope | |
| Bundle Component: Stern A-Frame Operations | |
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| <u>Sediment sampling, Mega Corer (Bowers & Connelly), max. 12 ea. 10cm diameter core tubes, for sampling undisturbed sediment surface. See complete description.</u> | 1 |
| Bundle Component: Head Sheave - wire appropriate | |
| Bundle Component: Palate Jack Compatible Core Base | |
| Bundle Component: Mega Core Spares Tote | |
| Coring Heads(multiples of 4) max 12 | |
| Coring tubes 10cm dia (not archive tubes) | |
| Bundle Component: Winch DUSH 9-11 with 9/16 wire rope | |
| Bundle Component: Stern A-Frame Operations | |
| | |
| Sediment sampling, Smith-MacIntyre grab, surface area approx. 13" L x 13" W, with stand | 3 |
| Bundle Component: Head Sheave - wire appropriate | |
| Bundle Component: Winch DUSH5-5 with 5/16" wire rope | |
| Bundle Component: STB A-Frame Operations | |