Printing Instructions:
For best results, set to print in color, two-sided, 8 ½ x 11 inch Letter paper. The inserted blank pages will allow each section break to begin on an odd page.
Membership of ACS

- Alyeska Pipeline Service Company
- Great Bear Petroleum Operating LLC
- ConocoPhillips
- Emerald House
- Hilcorp
- Eni Petroleum
- Savant Alaska
- Oil Search
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Introduction

This Manual provides a guide to the location, ownership, type, amount and specifications to North Slope response equipment that Alaska Clean Seas (ACS) utilizes. In 1995, all spill equipment on the North Slope except Alyeska was consolidated, which brought it all into one tracking and maintenance system.

Spill response equipment warehouses, storage yards, and satellite areas are strategically located in each operating field and at two separate locations in Deadhorse. With assistance from ACS Base, field-assigned ACS technicians support the operating area facilities and sites; while the Deadhorse locations are managed by ACS Base personnel.

ACS technicians perform required preventative and routine maintenance activities on both ACS and Member Company dedicated spill response equipment. Equipment repairs beyond the capabilities of ACS technicians are accomplished by mechanics assigned to either ACS Base in Deadhorse/Marine or mechanics at Alpine and Kuparuk. These shops perform complex maintenance tasks and maintain vessels and specialized response equipment. Off-shore marine vessels and equipment are maintained and repaired by Marine mechanics at A4W1. Major equipment modification work and specialized fabrication are also accomplished at these facilities.

Currently, the value of dedicated spill response equipment warehoused under ACS management exceeds $75 million. ACS owns roughly half of this equipment while the Member Companies own the other half. With the exception of repair or maintenance costs, all ACS owned equipment is available to Member Companies at no charge, during a spill response. Member owned equipment is available to all other members under terms and conditions outlined in the North Slope Mutual Aid Agreement.

In summary, ACS maintains a vast amount of equipment located throughout the operating oil fields on the North Slope of Alaska. This manual is intended to assist potential users in understanding ACS spill response equipment and how they might access it for both spill and non-spill related work.

Should there be any questions regarding the equipment, please contact us at (907) 659-2405.
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<td>Alaska Clean Seas</td>
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<tr>
<td>CPAI</td>
<td>ConocoPhillips Alaska Inc.</td>
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<td>ENI</td>
<td>ENI Alaska</td>
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<td>HAK</td>
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<td>Savant Alaska</td>
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Safety

Section A
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## Meters

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<th>20 Total</th>
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<td>Draeger, Ex Tech, Fit Check, Gas Clip Technologies, and Rae Systems</td>
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<td><strong>Owner(s):</strong></td>
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<tr>
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<td>(1) Sound Meter, ACS (1) CMS, ACS (1) Fit Check Solo, ACS</td>
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<td></td>
<td>(1) Light Meter, ACS (1) PID, CPAI</td>
</tr>
<tr>
<td></td>
<td>(1) Six Gas, CPAI (1) PID, CPAI</td>
</tr>
<tr>
<td></td>
<td>(2) Six Gas, HAK</td>
</tr>
<tr>
<td><strong>Function:</strong></td>
<td>Air and sound sampling, fit testing and monitoring</td>
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Automated External Defibrillators (AEDs)

Quantity: 6 Total
Manufacturer: Cardiac Science and Phillips
Owner(s): ACS
Specifications: Cardiac Science-9390A, Phillips 861304, and M5066A
Function: Emergency first aid.
Emergency Locator Beacons (EPIRB and GPIRB)

- **Quantity:** 15 Total
- **Manufacturer:** ACR Electronics
- **Owner(s):** ACS
- **Specifications:** 406 MHz Satellite, Cat 1, Class 2
- **Function:** Emergency location of vessels and personnel.
Life Rafts

**Quantity:** 36 Total

**Manufacturer:** DBC, Guardian and Viking

**Owner(s):** 32 each, ACS  4 each, HAK

**Specifications:**
- 6 each, 4 person
- 11 each, 6 person
- 15 each, 10 person
- 4 each, 6 person, HAK

**Function:** Life saving equipment for vessels in distress.
Dry Decons

Quantity: 8 Total
Manufacturer: Alchem, Ameri-can, Fruehauf, Hobbs, Union Cointainer Industries, and Wells Cargo
Owner(s): 2 each, ACS  2 each, CPAI
4 each HAK
Specifications: 20' to 50' trailer or connex units
Function: Provide dry decon facilities during response operations.
Auxiliary Equip: Generator, Tail Roll Truck or Trailer
Wet Decons

Quantity: 1 Total

Manufacturer: Intercontinental

Owner(s): CPAI

Specifications: These self-contained decontamination units are designed to be hauled with either a Dempster system equipped truck or a pickup truck to a spill response site.

Function: Designed to accommodate either wet or dry decon processes.

Auxiliary Equip: Generator power for Kuparuk unit: HAK equipped with dedicated generator. Transport truck.
Vessels and Accessories
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Agviq

**Quantity:** 1 Total

**Manufacturer:** Grayling Marine

**Owner(s):** ACS

**Specifications:**
- Draft: 2’ 6”
- Fuel Capacity: 900 gallons
- Twin Lugger, 250 HP each, jets
- Range: 280 NM @ 2300 RPM w/28 HRS operating time
- Cruising Speed: 8 -12 kts
- 55 ft., 45,000 lbs.

**Function:** Transporting equipment and personnel, boom deployment and skimming activities.
**Big Dipper**

**Quantity:** 1 Total  
**Manufacturer:** Grayling Marine  
**Owner(s):** ACS  
**Specifications:**  
- **Draft:** 2’6”  
- **Fuel Capacity:** 632 gallons  
- **Twin CAT, 450 HP each, jets**  
- **Range:** 75 NM @ 2400 RPM w/17.5 HRS operating time  
- **Cruising Speed:** 8 -12 kts  
- **45 ft., 37,000 lbs.**  

**Function:** Transporting equipment and personnel, boom deployment and skimming activities.
Point McIntyre

Quantity: 1 Total
Manufacturer: Munson
Owner(s): ACS

Specifications:
- Draft: 2’8"
- Fuel Capacity: 500 Gallons
- Engines: Twin Volvo D13 800HP (Rated 800 BHP @ 2,300 RPM) / Twin Hamilton HJ403 jet drives
- Persons and Cargo Capacity: 12,000 lbs.
- Range: 127 NM @ 2150 RPM w/12 HRS operating time
- Cruising Speed: 22-25 Knots@ 2150 to 2200 RPM
- 48 ft., 45,951 lbs. 16’ beam

Function: Equipment and personnel transport / deploying and towing open ocean containment boom, operating oil skimmers, towing small oil spill response barges.
Bay Boats

**Quantity:** 3 Total

**Manufacturer:** Rozema Boat Works

**Owner(s):** ACS

**Specifications:** 1 each, Camden Bay, Gwydyr Bay, and Mikkelsen Bay

Draft: 3'9"

Fuel Capacity: 700 gallons

Twin Lugger, 450 HP each, prop

Range: 340 NM @ 2,000 RPM w/20 HRS operating time

Cruising Speed: 17 kts

42 ft., 37,000 lbs.

**Function:** Moving and deploying boom, skimmers, containment barges, and transporting personnel and equipment. The twin engine power supply allows for larger towing capacity and provides increased speed.
Fireweed and Arctic Rose

Quantity: 2 Total
Manufacturer: Munson
Owner(s): ACS
Specifications: 1 each, Fireweed and Arctic Rose
Draft: 2’8”
Fuel Capacity: 650 gallons
Twin Cummins, 250 HP each, prop
Range: 456 NM @ 2300 RPM w/38 HRS operating time
Cruising Speed: 12 kts
38 ft., 30,000 lbs.
Function: Transporting equipment and personnel, towing boom and mini-barges for spill response.
## Deployer and Retriever

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<th><strong>Quantity:</strong></th>
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<td>ACS</td>
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<tr>
<td><strong>Specifications:</strong></td>
<td>Draft: 2’</td>
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<tr>
<td></td>
<td>Fuel Capacity: 200 gallons</td>
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<tr>
<td></td>
<td>Twin Evinrude Outboards, 150 HP each, prop</td>
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<tr>
<td></td>
<td>Range: 175 NM, 4,000 RPM w/ 7.5 HRS operating time</td>
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<tr>
<td></td>
<td>Cruising Speed: 23 kts</td>
</tr>
<tr>
<td></td>
<td>29 ft., 9,000 lbs.</td>
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<td><strong>Function:</strong></td>
<td>Boom towing, mini-barges, bladders and transport personnel and equipment.</td>
</tr>
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Island Boats

Quantity: 4 Total
Manufacturer: Rozema Boat Works
Owner(s): HAK
Specifications:
1 each, Karluk Island, Cottle Island, Barter Island and Narwhal Island
Draft: 3'9"
Fuel Capacity: 172 gallons
Single CAT, 300 HP, prop
Range: 144 NM @ 2,400 RPM w/12 HRS operating time
Cruising Speed: 8 kts
25 ft., 14,800 lbs.
Function: Boom towing and mini-barge operations.
Quantity: 2 Total
Manufacturer: Munson
Owner(s): ACS
Specifications: 1 each, Bullet and Snow White
  Draft: 1'6"
  Fuel Capacity: 79 gallons, Bullet
  Fuel Capacity: 147 gallons, Snow White
  Twin Evinrude Outboards, 90 HP each, prop, Bullet
  Single Chevrolet 350ci inboard, w/Volvo Penta outdrive, Snow White
  Cruising Speed: 20 kts
  21 ft., 6,000 lbs.
Function: Near-shore operations to include boom towing.
Large Landing Crafts

**Quantity:** 4 Total

**Manufacturer:** Munson, Riddle

**Owner(s):** 1 each, ACS 1 each, CPAI 2 each, HAK

**Specifications:**
- Draft: 20 in. - 2 ft.
- Fuel Capacity: 300 - 400 gallons
- Twin Evinrude 300 Outboards, Twin Yanmar 350 Diesel
- Cruising Speed: 27 - 30 kts
- 34 ft. - 37 ft., 14,100 lbs. – 18,500 lbs.

**Function:** Transporting equipment, personnel, and boom deployment for near-shore response operations.
Small Landing Crafts

Quantity: 6 Total
Manufacturer: Grayling Marine, Munson and Riddle
Owner(s): 4 each, ACS  1 each, CPAI  1 each, HAK
Specifications: Draft: 1' - 3'
Fuel Capacity: 60 - 150 gallons
Cruising Speed: 20 - 30 kts
22 to 32 ft., 2,200 lbs. – 12,000 lbs.
Function: Transporting equipment, personnel, and boom deployment for near-shore response operations.
Near-shore Work Boats

Quantity: 34 Total

Manufacturer: Achilles, Alaska Frontier Fabricators, Aztec, Gregor, Inmar Inflatables, Lowe, Marian, Munson, Phantom, Sea Ark, Riddle, Rozema, Sea Ark, Sea Nymph, SJX, Smokecraft, Valco, and Woolridge

Owner(s): 10 each, ACS 16 each, CPAI
1 each, ENI 7 each, HAK

Specifications: 12’ to 28’ rigid hulled up to 200 HP

Function: Containment, recovery and logistical support for near-shore response operations.
Airboats

Quantity: 33 Total
Manufacturer: Alumitech, Diamondback, and Husky

Owner(s): 16 each, ACS  5 each, CPAI
           12 each, HAK

Specifications: 19' - 2 each, ACS
                20' - 1 each, ACS  4 each, HAK
                22' - 11 each, ACS  5 each, CPAI
                7 each, HAK
                28' - 2 each, ACS  1 each, HAK

Function: Transport personnel, equipment and deploy boom in rivers and near-shore response.
Outboards

**Quantity:** 49 Total

**Manufacturer:** Evinrude, Honda, Johnson, Prodrive, Suzuki and Yamaha

**Owner(s):**
- 24 each, ACS
- 10 each, CPAI
- 1 each, ENI
- 13 each, HAK
- 1 each, Savant

**Specifications:**
- 9 Jet Units: 25 to 115 HP
- 40 Prop Units: 4 to 300 HP

**Function:** Power non-inboard engine vessels.
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Recovery Equipment
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LORI Brush Skimmers

Quantity: 12 Total
Manufacturer: LORI
Owner(s): 10 each, ACS
2 each, HAK
Specifications: 8 each, LSC-3
4 each, LFS-3 (without brushes)
Nameplate Capacity: 271 BPH
Derated Capacity: 217 BPH
Function: Advancing brush skimmer for the recovery of heavy oils in open ocean conditions.

LORI Side Collector (LSC) - Vessel based oleophilic chain brush skimmer designed for advancing skimming operations in the near shore and open ocean environment. Skimmer is capable of recovery speeds up to 3 knots and adaptable to varying oil viscosities via interchangeable brush cassettes. Integral positive displacement Desmi 250 transfer pump capable of pumping highly viscous fluids.

LORI Floating Skimmer (LFS) - Independent oleophilic chain brush skimmer designed for advancing skimming operations in the near shore and open ocean environment. Skimmer can effectively be towed, pushed or affixed to the side of a vessel. Skimmer is capable of recovery speeds up to 3 knots and adaptable to varying oil viscosities via interchangeable brush cassettes. Integral positive displacement Desmi 250 transfer pump capable of pumping highly viscous fluids.

Auxiliary Equip: Hydraulic power pack and vessel for advancing skimmer
Vikoma Weir Skimmers

**Quantity:** 5 Total  
**Manufacturer:** Vikoma  
**Owner(s):** ACS  
**Specifications:**  
- 4 each, Mini Fasflow  
  - Nameplate Capacity: 143 BPH  
  - Derated Capacity: 29 BPH  
- 1 each, Fasflow  
  - Nameplate Capacity: 486 BPH  
  - Derated Capacity: 97 BPH  
**Function:** Spill recovery in fast moving water.  
**Auxiliary Equip:** 3" Diaphragm Pump with Mini or 3" Sykes Univac with Fasflow
Foxtail Rope Mop Skimmer

**Quantity:** 3 Total

**Manufacturer:** Hendriksen

**Owner(s):** ACS

**Specifications:**
- 2 each, Foxtail 1-6
  - Nameplate Capacity: 19 BPH
  - Derated Capacity: 15 BPH
- 1 each, Foxtail 4-9
  - Nameplate Capacity: 249 BPH
  - Derated Capacity: 119 BPH

**Function:** Near-shore and shore recovery responses. Very good skimmer for broken ice conditions.

**Auxiliary Equip:** Hydraulic power pack, recovery tank
Desmi Skimmers
(Harbor and Ocean)

Quantity: 3 Total
Manufacturer: Desmi
Owner(s): 2 each, ACS
Specifications: 2 each, Harbor*: Nameplate Capacity: 440 BPH
Derated Capacity: BPH
When changed over to brush:
3 each
Nameplate Capacity changes to: 171 BPH
Derated Capacity: 137 BPH
1 with brush kit
1 each, Ocean: Nameplate Capacity: 628 BPH
Derated Capacity: 91BPH

Function: The Desmi Skimmer is of weir type. Rated for recovery from
offshore and near-shore environments.

Auxiliary Equip: Hydraulic hoses, discharge hoses, power pack or Quattro brush adapter
Disc Skimmers

Vikoma Komara

**Quantity:** 25 Total

**Manufacturer:** Morris International Trading Ltd. and Vikoma (12k and 30k)

**Owner(s):**
- 5 each, ACS
- 17 each, HAK

**Specifications:**
- 1 each, Komara Star
  - Nameplate Capacity: 20 BPH
  - Derated Capacity: 16 BPH
- 3 each, MI-11/24:
  - Nameplate Capacity: 29 BPH
  - Derated Capacity: 3 BPH
- 8 each, Komara 12K:
  - Nameplate Capacity: 100 BPH
  - Derated Capacity: 10 BPH
- 3 each, MI-30:
  - Nameplate Capacity: 143 BPH
  - Derated Capacity: 10 BPH
- 10 each, Komara 30K:
  - Nameplate Capacity: 189 BPH
  - Derated Capacity: 10 BPH

**Function:** Near-shore and on-shore use. This skimmer contains three sets of oleophilic (oil attracting) discs. The discs rotate down through the oil layer where free floating oil attaches to the surface of the discs. Inside the skimmer, scrapers remove the oil, which is then pumped to storage containers.

**Auxiliary Equip:** Power packs and hoses

M&I

24
Drum/Brush Skimmers

Aqua Guard

Elastec Groovy Drum

Lamor

Action Petroleum

Quantity: 36 Total

Manufacturer: Action Petroleum, Aqua Guard, Elastec American Marine, Komara, and Lamor

Owner(s): 11 each, ACS  
20 each, CPAI  
2 each, ENI  
3 each, HAK

Specifications: Drums range from 6.5” to 36”

Nameplate Capacity: 33 to 314 BPH  
Derated Capacity: 26 to 110 BPH

Function: Recovery of refined fuels and crude oil from near-shore and inland waters.

Auxiliary Equip: Hydraulic or air power sources
Grooved Drum Skimmer
w/Steam Coils and Steam Trailers

- **Quantity:** 10 skimmers, 2 steam trailers
- **Manufacturer:** Elastec American Marine
- **Owner(s):**
  - 3 each, skimmer, ACS
  - 6 each, skimmer, HAK
  - 1 each, trailer, ACS
  - 1 each, skimmer, CPAI
  - 1 each, trailer HAK
- **Specifications:**
  - TDS-118 Grooved
  - Nameplate Capacity: 33 BPH
  - Derated Capacity: 7 BPH
  - Magnum 100, 4-Drum skimmer
  - Nameplate Capacity: 228 BPH
  - Derated Capacity: 46 BPH
- **Function:** Recovery of refined fuels and crude oil near-shore and inland waters, particularly during freeze up conditions.
- **Auxiliary Equip:** Hydraulic power source and independent pump unit.
Crucial Fuzzy Disc Skimmer

**Quantity:** 10 Total  
**Manufacturer:** Crucial  
**Owner(s):** 9 each, ACS  
1 each, HAK  
**Specifications:**  
- 4 each, Model 13/24  
  Nameplate Capacity: 121 BPH  
  Derated Capacity: 24 BPH  
- 6 each, Model 13/30  
  Nameplate Capacity: 200 BPH  
  Derated Capacity: 40 BPH  
**Function:** Oil recovery from on water operations.  
**Auxiliary Equip:** Hydraulic power unit and pump
Crucial Fuzzy Drum Skimmer

Quantity: 6 Total
Manufacturer: Crucial
Owner(s): 4 each, ACS 1 each, ENI 1 each, HAK
Specifications: Model #1CD18H-36 Nameplate Capacity: 120 BPH Derated Capacity: 24 BPH
Function: Oil recovery from on water operations.
Auxiliary Equip: Hydraulic power unit, 3" pump
Lamor Brush Belt Skimmers and Rock Cleaners

**Quantity:** 13 Total

**Manufacturer:** Lamor

**Owner(s):**
- 1 each, MM-30, CPAI
- 8 each, MM-20, CPAI
- 2 each, Rock Cleaners, CPAI
- 2 each, LAM 12, ACS

**Specifications:**
- Nameplate Capacity: 75 to 252 BPH
- Derated Capacity: 60 to 201 BPH

**Function:** Recover diesel or crude product from the water or rock surfaces.

**Auxiliary Equip:** Hydraulic or air power sources
Skimmer Rope Mops

Quantity: 32 Total
Manufacturer: Centrifugal Systems, Containment Systems Corporation, Crucial, and Oil Mop
Owner(s): 14 each, ACS  
9 each, CPAI  
8 each, HAK  
1 each, Savant
Specifications: Electric and diesel powered 4" Rope Mops  
Nameplate Capacity: 14 BPH  
Derated Capacity: 5 BPH
Function: Recover hydrocarbons from shallow water, broken ice and tundra in polygonal trenches.
Auxiliary Equip: Two 4" x100' mops, two return pulleys and one containment drum with pallet
SeaVac Heli-Skimmer

Quantity: 1 Total
Manufacturer: Kepner Products
Owner(s): ACS
Specifications: Nameplate Capacity: 944 BPH
Derated Capacity: 189 BPH
Function: Advancing weir skimmer for the recovery of heavy or emulsified oils in protected waters.
Auxiliary Equip: Outboard motor, and 2"-3" trash pumps
Manta Ray Skimmers

**Quantity:** 47 Total

**Manufacturer:** Slickbar

**Owner(s):**
- 3 each, ACS
- 16 each, CPAI
- 28 each, HAK

**Specifications:**
- Nameplate Capacity: 54 BPH
- Derated Capacity: 11 BPH
- 10 Flexible
- 37 Rigid

**Function:** Recovery of thin oil layers and sheen in protected waters.

**Auxiliary Equip:** 3” Diaphragm pump or Peristaltic pump
Vac Units

Quantity: 7 Total
Manufacturer: Vikoma, Vac-U-Max
Owner(s): HAK
Specifications: Vac-U-Max: TK-01, TK-02, TK-1-B, 23956
Vikoma: Power Vac
Function: Air and diesel driven vacuum units for spill recovery inside fixed structures or flat hard surfaces.
Auxiliary Equip: Air compressor or auxiliary power unit
Mini Vac Units & Tanks

**Quantity:** 5 Total Mini Vac Units, 2 Total Tanks

**Manufacturer:** Elastec American Marine

**Owner(s):**
- 2 each, ACS
- 1 each, CPAI
- 2 each, HAK
- 1 each, tank, CPAI
- 1 each, tank, HAK

**Specifications:** 20 HP power unit

**Function:** Recovery of product in remote, or “off site” locations.

**Auxiliary Equip:** 55 gallon open top drums, 110 gallon all-terrain tracked tank, ATV or snow machine for transport
Air Power Units

**Quantity:** 3 Total

**Manufacturer:** Elastec American Marine

**Owner(s):** 1 each, ACS 2 each, CPAI

**Specifications:** Diesel powered

**Function:** Power unit designed to operate air drum skimmers as an all in one unit. Power unit equipped with air compressor and peristaltic pump.
Snow Blowers

**Quantity:** 6 Total

**Manufacturer:** Honda

**Owner(s):**
- 2 each, ACS
- 2 each, CPAI
- 1 each, ENI
- 1 each HAK

**Specifications:** Gas operated with the ability to move up to 35 tons/hr of snow. 2.5 hours of operating time per fuel tank

**Function:** Remove contamination from the snow surface.
Gas and Propane Powered Ice Augers

**Quantity:** 39 Total

**Manufacturer:** Ardisam, Feldman Engineering, General Equipment Co., and Strike Master

**Owner(s):**
- 7 each, ACS
- 12 each, CPAI
- 3 each, ENI
- 16 each, HAK
- 1 each, Savant

**Specifications:**
- One and two person units
- 34 CC to 102 CC

**Function:**
Drill through ice to the water interface. This technique is used for product detection and recovery.

**Auxiliary Equip:** Bits and extensions
Jackhammers

**Quantity:** 20 Total

**Manufacturer:** DeWalt and Ingersoll Rand

**Owner(s):**
- 6 each, ACS
- 3 each, CPAI
- 5 each, ENI
- 5 each, HAK
- 1 each, Savant

**Specifications:**
- One and two person units
- 13 each, air powered
- 7 each, electric

**Function:** Break up contaminated ice or ground for recovery.

**Auxiliary Equip:** Compressor or generator, hose, whip check, paddles/bits, tanner gas.
Chainsaws and Ice Trenching Tools

Quantity: 49 Total (chainsaws)
Manufacturer: Homelite-Textron and Stihl
Owner(s): 11 each, ACS 13 each, CPAI
4 each, ENI 21 each, HAK
Specifications: 18" to 48" chainsaw bar
Function: Trench and remove ice for winter containment and recovery.
Note: Various chipping bars and ice tongs are stocked at each location.
Rube Witches

Quantity: 9 Total
Manufacturer: ACS
Owner(s): 7 each, ACS  2 each, CPAI
Specifications: 36” chainsaw bar required
Function: Cut trenches in the ice or to cut out blocks of ice to be used in recovery techniques. Provides a safe platform for chainsaw use.
Auxiliary Equip: Stihl 056 or 066 chain saw with ice cutting chain
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Containment
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# Delta/River Boom

<table>
<thead>
<tr>
<th><strong>Quantity:</strong></th>
<th>203,776 ft.</th>
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| **Owner(s):** | 60,500 ft., ACS  
79,700 ft., HAK  
55,926 ft., CPAI  
7,650 ft., Savant |
| **Specifications:** | 10”, 14” and 16” x 50’ and 75’ Sections  
Delta Boom- Bottom Tension only - 28,850 ft.  
River Boom- Top and Bottom Tension- 174,926 ft. |
| **Function:** | Containment and control of oil in a river environment. Pre-staged at remote river sites in connexs for airboat deployment. |
| **Auxiliary Equip:** | Connexs, anchors and airboats |
Boom Rudders

Quantity: 90 Total
Manufacturer: Envirotech
Owner(s): ACS
Specifications: 8” diameter x 80” pipe with 12” x 60” deflector wing
Function: River booming without the use of midpoint anchor systems.
Auxiliary Equip: River boom
**Boom Handler**

- **Quantity:** 1 Total
- **Manufacturer:** Seacor Environmental Products
- **Owner(s):** ACS
- **Specifications:** 60” Roller
- **Function:** Recovery of oil spill containment boom.
Shore Seal Boom

Quantity: 21,650 ft., Total
Manufacturer: Texas Boom and Versa Tech
Owner(s): 16,900 ft., ACS 1,750 ft., CPAI
1,000 ft., HAK 2,000 ft., ENI
Specifications: 20" x 50' sections
Function: Shoreline protection or used as barriers for on land flushing operations.
Auxiliary Equip: Air inflator and water pump
T- Fence Boom

**Quantity:** 492 ft., Total

**Manufacturer:** Harbo Technologies

**Owner(s):** ACS

**Specifications:** 2.25' x 82.021' sections

**Function:** Light weight one time use boom for Shoreline protection.

**Auxiliary Equip:** Anchors and airboats
Kepner Boom Reel Packs

**Quantity:**
- 33,500 ft., Total
- 20" – 4,750 ft.
- 26" – 25,750 ft.
- 32" – 2,000 ft.
- 42" – 1,000 ft.

**Manufacturer:** Kepner

**Owners:**
- 23,250 ft., ACS
- 1,750 ft., (26"), CPAI
- 5,000 ft., (20"), ENI
- 3,500 ft., (26") HAK

**Specifications:**
- 20" to 42" x 250’ to 1,500’ per reel

**Function:** Rapid deployment of boom from shore or support vessel.

**Auxiliary Equip:** Hydraulic power pack and hoses
NOFI Ocean Boom

Quantity: 5,904 ft. Total
Manufacturer: Allmaritim
Owner(s): 2,952 ft., ACS 984 ft., ENI 1,968 ft., HAK
Specifications: 5 each, Model 250 – 24", 984 ft. sections
2 each, Model 350 – 34", 492 ft. sections
Function: Designed for easy transportation and rapid deployment.
NOFI Harbor Buster

Quantity: 2 Total
Manufacturer: NOFI
Owner(s): HAK
Size: 89 ft. long x 50 ft. wide at the mouth
Tow Speed: 3 kts
Max Volume: Total: 3,963 gallons In Separator: 1,321 gallons
Function: Designed for recovery of oil at high speeds in open water. Rear pocket separates oil from water and provides a calm recovery point for a skimmer. This can also be used in rivers of sufficient depth that do not exceed 3 kts.
Auxiliary Equip: Boom reel pack, power pack, blower, Boom Vane, tow vessel(s)
Ro-Boom

**Quantity:** 2,360 ft., Total

**Manufacturer:** Ro-Clean Desmi

**Owner(s):** HAK

**Specifications:** 59”

**Function:** Containment of product in waters deeper than 6 ft.

**Auxiliary Equip:** Hydraulic power pack and hoses
Goodyear Ocean Boom

Quantity: 14,300 ft., Total
Manufacturer: Engineered Fabrics Corporation
Owner(s): ACS
Specifications: 42” inflatable
Function: Containment of product in waters deeper than 6 ft.
Auxiliary Equip: Power pack, blower and hydraulic hoses
Abasco Harbor Boom

Quantity: 2,000 ft., Total
Manufacturer: Abasco
Owner(s): CPAI
Specifications: 30" Self-inflating, high tensile strength, unsinkable
Function: Containment of product in a near-shore and offshore environment.
Lamor Boom Reel Packs

- **Quantity:** 2 Total
- **Manufacturer:** Lamor Corporation
- **Owner(s):** ACS
- **Specifications:** 50" x 1500' per reel
- **Function:** Rapid deployment and storage of Lamor boom.
- **Auxiliary Equip:** Self contained with power pack and blower on reel. Power pack also set up to run DOP pumps.
Boom Inflating Blowers

**Quantity:** 51 Total  
**Manufacturer:** Echo, Husqvarna and Stihl  
**Owner(s):**  
- 36 each, ACS  
- 5 each, CPAI  
- 4 each, ENI  
- 6 each, HAK  
**Specifications:**  
388 CFM  
180 Air Speed at Pipe  
**Function:** Boom inflation.
Floating Pumps 1 1/2"

Quantity: 51 Total
Manufacturer: Waterous and Hale
Owner(s): 36 each, ACS 4 each, CPAI
2 each, ENI 6 each, HAK
Specifications: 140 GPM @ 30 psi: 200 BPH @ 30 psi
Function: Fill shoreseal boom with water.
Auxiliary Equip: Discharge hose
Pipe/Culvert Plugs

**Quantity:** 19 Total

**Manufacturer:** Cherne and Aero Tech Labs

**Owner(s):** 6 each, ACS 13 each, HAK

**Specifications:** 1 – 6", 1 – 8", 2 – 12 to 18", 7 - 12 to 24", 2 - 15 to 30", 6 - 40"

**Function:** Block pipes or culverts to provide containment during a response.

**Auxiliary Equip:** Air compressor and hose
Water Spray Trailer

Quantity: 1 Total
Manufacturer: Magnum Fire Systems
Owner(s): ACS
Specifications: 12’ trailer with insulated and heated housed fire pump water spray system. Powered by a 4 cylinder air cooled Deutz diesel engine and consists of a 300 gallon fresh water tank.
Function: Contain misted oil over a snow covered surface for mechanical recovery, particularly when high winds are expected to prevent the misted snow from blowing away.
In-Situ Burn Equipment
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Helitorch Gelled Fuel Mixers

Quantity: 2 Total
Manufacturer: Simplex
Owner(s): ACS
Specifications: 300 gallons, 1 each trailer mounted and 1 each skid mounted
Function: Mix gelled fuel for aerial helitorches. Not DOT approved, must be filled onsite
Handheld Igniters

**Quantity:** Approximately 1,000 units

**Manufacturer:** Elastec and Energetex

**Owner(s):** ACS

**Specifications:**
- Tin can style with hand held igniter
- Plastic container filled with gelling agent with float

**Function:** Hand held igniter for in-situ burning.

**Auxiliary Equip:** Battery pack or an ignition source, handheld flare, fuel
Fire Boom

Quantity: 19,900 ft., Total, (500’ of this is training boom)
Manufacturer: 3M, Applied Fabrics, and Elastec American Marine
Owner(s): 16,100 ft., ACS 1,000 ft., CPAI
2,800 ft., HAK
Specifications: Sizes ranging from 20” to 42”
3 M – 10,400 ft. - 20” to 42”
Elastec - 6500 ft. - 27” to 33” Hydro Boom
Applied - 3000 ft. - 30” Pyro Boom
Function: Containment of product for in-situ burning.
Auxiliary Equip: Tow bridles and boat for deployment and means of towing 500’ of Elastec training boom, not suitable for response.
Helitorches

Quantity: 6 Total
Manufacturer: Simplex
Owner(s): ACS
Specifications: 55 gallon
Function: Ignition of hydrocarbon products during in-situ burn operations.
Auxiliary Equip: Helicopter remote control box, spare 55 gallon drums
Transfer and Storage
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Barges 125 BBL

**Quantity:** 2 Total

**Manufacturer:** North Wind Marine

**Owner(s):** ACS

**Specifications:**
- Draft: 1’ empty, 3’ full
- 125 bbls, 29’ x 10’x 5’
- 5,200 lbs.

**Function:** Storage and transportation of product from skimming vessels to off loading point.

**Auxiliary Equip:** Off loading pumps
Barges 249 BBL

**Quantity:** 13 Total

**Manufacturer:** Kvichak Marine Industries

**Owner(s):**
- 10 each, ACS
- 3 each, HAK

**Specifications:**
- Draft: 1’ empty, 4’ full
- 249 bbls, 40’ x 11’ x 5’6”
- 10,875 lbs.

**Function:** Storage and transportation of product from skimming vessels to off loading point.

**Auxiliary Equip:** Off loading pumps

62
Barge 650 BBL

Quantity: 1 Total
Manufacturer: American Eagle
Owner(s): ACS
Specifications: Draft: 1’ empty, 5’ 6” full
650 bbls, 62’ x 16 ’ x 6’6”
35,000 lbs.
Function: Storage and transportation of product from skimming vessels to off loading point.
Auxiliary Equip: Off loading pumps and hydraulic power unit
Viscous Oil Annular Injection Kits

Quantity: 4 Total
Manufacturer: Hyde and Ro-Clean Desmi
Owner(s)/Location: ACS
Specifications:
- 1 each, 3" annular injection rings
- 1 each, 4" annular injection rings
- 2 each, 6" annular injection rings
Function: Enhance viscous oil pumping capabilities.
Auxiliary Equip: Discharge hose, hydraulic power pack and water injection pump, cargo pump
Fastank/Fold-A-Tanks

**Quantity:** 170 Total

**Manufacturer:** Areo Tech, The Eldred Environmental, Fast Engineering, Fold-A-Tank, and Vikoma

**Owner(s):**
- 34 each, ACS
- 78 each, CPAI
- 46 each, HAK
- 6 each, ENI
- 6 each, Savant

**Specifications:** Fastank/Fold-A-Tanks/Open Top Tank 400 to 3,000 gallons

**Function:** Temporary storage of recovered product.
Self Rising Tanks

Quantity: 48 Total
Manufacturer: Canflex
Owner(s): 10 each, ACS 38 each, CPAI
Specifications: Self rising, 2,500 gallons
Function: Temporary storage of recovered product.
Floating Tank

**Quantity:** 1 Total

**Manufacturer:** Qualitech Environmental

**Owner(s):** CPAI

**Specifications:** 2100 gallons

**Function:** This tank can be placed under a leaking pipeline that is over a body of water. The tank is secured in place with anchors. This can also be used on tundra.
Upright Tank

Quantity: 1 Total
Manufacturer: ConocoPhillips
Owner(s): CPAI
Specifications: 16,800 gallons: 400 bbls, plus approximately 150 additional tanks available on the Slope ranging in size from 40 to 500 bbls.
Function: Storage of recovered product and flushing operations.
Bladders

Quantity: 24 Total
Manufacturer: Canflex and Areo Tech Labs
Owner(s): 2 each, 500 gal., ACS
          3 each, 500 gal., CPAI
          8 each, 1,320 gal., ACS
          6 each, 2,640 gal., ACS
          5 each, 5,000 gal., CPAI
Specifications: 500 to 5,000 gallons, Towable, Pillow, Tow/Lift
Function: Store and transport recovered product.
Auxiliary Equip: Boat, helicopter
**Heavy Oil Pumps**

**Quantity:** 21 Total

**Manufacturer:** Desmi, Lamor and Elastec American Marine

**Owner(s):**
- 18 each, ACS
- 2 each, HAK
- 1 each, CPAI

**Specifications:**
- 3"- 2 each, 110 GPM, 157 BPH
- 3"- 2 each, 132 GPM, 188 BPH
- 6"- 17 each, 440 GPM, 628 BPH

**Function:** Transferring heavy oils.

**Auxiliary Equip:**
- Hydraulic power pack, double hose reel with discharge and hydraulic hoses.
- Light oil adapter and water injection kits.
Air Diaphragm Pumps
½”, 1”, 2” and 3”

Quantity: 20 Total
Manufacturer: Ingersoll-Rand and Wilden
Owner(s): 6 each (1/2”), HAK
  6 each (1”), HAK
  6 each (2”), HAK
  1 each (2”), ENI
  1 each (3”), CPAI
Specifications: 15 to 260 GPM, 21 to 371 BPH
Function: Transfer of product from a recovery point to a set storage area.
Auxiliary Equip: Air compressor, air hose and suction/discharge hose
Diesel/Hydraulic Diaphragm Pumps 2” and 3”

**Quantity:** 50 Total

**Manufacturer:** Aqua Guard, Gormann Rupp, and Yanmar

**Owner(s):**
- 32 each, ACS
- 7 each, CPAI
- 3 each, ENI
- 8 each, HAK

**Specifications:**
- 3 each, 2” diesel pumps
- 1 each, 2” hydraulic pump
- 40 each, 3” diesel pumps
- 6 each, 3” hydraulic pumps
- 86-100 GPM, 123-142 BPH

**Function:** Transfer of product from a recovery point to a set storage area.

**Auxiliary Equip:** Suction and discharge hose
Gas Diaphragm Pumps 3”

**Quantity:** 12 Total

**Manufacturer:** Homelite-Textron and Honda

**Owner(s):** 9 each, CPAI  3 each, HAK

**Specifications:** 80 GPM, 114 BPH

**Function:** Transfer of product from a recovery point to a set storage area.

**Auxiliary Equip:** Suction and discharge hose
Diesel/Hydraulic Peristaltic Pumps 2”, 2 ½”, and 3”

**Quantity:** 19 Total

**Manufacturer:** Diesel America West and Salaroll

**Owner(s):**
- 7 each, ACS
- 6 each, CPAI
- 2 each, ENI
- 4 each, HAK

**Specifications:** 53-115 GPM, 75-164 BPH

**Function:** Transfer of product from a recovery point to a set storage area.

**Auxiliary Equip:** Suction and discharge hose
Sykes Univac Diesel Pump 3”

Quantity: 1 Total
Manufacturer: Sykes
Owner(s): ACS
Specifications: 340 GPM, 485 BPH
Function: Transfer of product from a recovery point to a set storage area.
Auxiliary Equip: Suction and discharge hose
Centrifugal Pumps 2”, 3” and 4”

Quantity: 115 Total

Manufacturer: Diesel America West, Elastec American Marine, Gorman-Rupp, Honda, Multi-Quip, and Yanmar

Owner(s): 52 each, ACS
          28 each, CPAI
          2 each, ENI
          31 each, HAK
          2 each, Savant

Specifications: 2 each, 1”, 32 GPM, 46 BPH Gas
                2 each, 1 ½”, 74 GPM, 106 BPH Gas
                30 each, 2” up to 220 GPM, 314 BPH
                56 each, 3” up to 400 GPM, 571 BPH
                17 each, 4” 370-750 GPM, 528-1,071 BPH
                8 each, 4” Fire Boom Pumps, Elastec American Marine

Function: Transfer of product from a recovery point to a set storage area.

Auxiliary Equip: Suction and discharge hose
Emergency Dewatering Pumps 2”

Quantity: 6 Total
Manufacturer: Ohler Machinery
Owner(s): ACS
Specifications: 230 GPM, 329 BPH
Function: Emergency dewatering pump for vessels in distress.
Auxiliary Equip: Suction and discharge hose
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Logistics Support Equipment
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Centaur 950DT

Quantity: 3 Total
Manufacturer: Ontario Drive & Gear Limited
Owner(s): 2 each, CPAI, 1 each, HAK
Specifications: Diesel powered amphibious tracked vehicle.
Function: All-season cross-country transportation of equipment and personnel.
Auxiliary Equip: Trailer, electric winch
4-Wheelers

Quantity: 11 Total
Manufacturer: Con-Am and Honda
Owner(s): 3 each, CPAI  8 each, HAK
Specifications: Gasoline ATV 282cc to 500cc
Function: Transportation of equipment.
Auxiliary Equip: Snow plow, trailers on wheels, trailers on skis and an electric winch
Kubotas with Tracks

**Quantity:** 12 Total

**Manufacturer:** Kubota

**Owner(s):**
- 5 each, ACS
- 2 each, ENI
- 5 each, HAK

**Specifications:** 3 cylinder diesel (22 - 25HP)

**Function:** Transportation of equipment.

**Auxiliary Equip:** Snow plow, electric winch, trailers
Tucker Sno-Cat

**Quantity:** 1 Total

**Manufacturer:** Tucker Terra

**Owner(s):** HAK

**Specifications:**
- Model: 1643E-26-6
- 14 person
- 100 gallon fuel tank, 14,000 lbs.

**Function:** Transportation of personnel and equipment.

**Auxiliary Equip:** Snow plow, electric winch, trailers
Bobcat Tool Cat 5600

Quantity: 1 Total
Manufacturer: Bobcat
Owner(s): CPAI
Specifications: 4x4 All Terrain Vehicle with 40 plus attachments
Function: Daily use for spill response/cleanup, moving/lifting equipment, snow removal and transportation around the pad. It can call 2,000 lbs. in cargo box and tow 4,000 lbs. plus lift over 1,500 lbs. to a height of 7 feet.
Auxiliary Equip: Hydraulic concrete/ice breaker, two types of snow/ice/gravel scrapers, bucket, forks, pintle hitch, and a sweeper.
## Snow Machines and Sleds

**Quantity:** 42 Total snow machines and 37 Total sleds

**Manufacturer:**
- Snow Machines: SKI-DOO and Polaris
- Sleds: Alaska Frontier Fabricators, Last Frontier Trailers, Plashem, Tag-a-long Trailers, Team Otter Outdoors

**Owner(s):**
- 8 each, snow machines, ACS
- 14 each, snow machines, CPAI
- 4 each, snow machines, ENI
- 16 each, snow machines, HAK
- 15 each, sled, ACS
- 8 each, sled, CPAI
- 4 each, sled, ENI
- 10 each, sled, HAK

**Specifications:** Short and long track 250cc to 660cc

**Function:** Transportation of equipment and personnel.
Muck Truck Motorized Wheelbarrow

**Quantity:** 2 Total

**Manufacturer:** Muck Truck USA

**Owner(s):** ACS

**Specifications:** Model: Max-truck® with Honda GXV 4.3 HP 4-stroke engine.

- Peerless 4 forward 1 reverse transmission
- Speed: 0-3.5 mph
- Capacity of 8 cu/ft. – 800 lbs. carrying capacity
- Dimensions: Length 63” x Width 28” x Height 36”
- Weight: 280 lbs.
- Traction: 4 Wheel drive.

**Function:** Transport contaminated material from the spill site to the collection area.
Passenger/Work Vehicles

Quantity: 11 Total
Manufacturer: Ford Motor Company
Owner(s): ACS
Specifications: 10 each, gasoline
                1 each, diesel
Function: Logistical support for spills and ACS daily activities.
14 Passenger Bus

**Quantity:** 1 Total  
**Manufacturer:** Ford Motor Company  
**Owner(s):** ACS  
**Specifications:** 1 each, gasoline  

**Function:** Logistical support for spills and ACS daily activities.
Medium Duty Flatbed

Quantity: 1 Total
Manufacturer: Freightliner
Owner(s): ACS
Specifications: 2009 Freightliner, 330 HP Diesel, 4 x 4, 22’ flatbed, extended cab
Function: Logistical support for day-to-day operations and spill response activities.
Truck Tractors

**Quantity:** 2 Total

**Manufacturer:** Autocar and Peterbilt

**Owner(s):** 1 each, ACS 1 each, HAK

**Specifications:** Triple-axle tractor

**Function:** Logistical support for day-to-day operations and spill response activities.

**Auxiliary Equip:** 40’ flat bed cargo trailer, 50’ step deck equipment trailer
Boom Trucks

Quantity: 2 Total
Manufacturer: GMC and International
Owner(s): 1 each, ACS       1 each, HAK
Function: Logistical support for day-to-day operations and spill response activities.
Mechanics’ Trailers

Quantity: 2 Total
Manufacturer: Haulmark and Wells Cargo
Owner(s): 1 each, ACS 1 each, CPAI
Function: Mobile maintenance shop for field support.
Auxiliary Equip: 12kw generator / 10kw generator, electric air compressor and various hand tools
Dump Truck

Quantity: 1 Total
Manufacturer: Autocar
Owner(s): HAK
Function: Transport contaminated material from spill sites.
Dempster System Equipped Trucks

Quantity: 1 Total
Manufacturer: Autocar
Owner(s): HAK
Specifications: Dempster hydraulic system
Function: Transport staging, related equipment and contaminated material to and from spill sites.
Auxiliary Equip: Dempster equipment system, dump box, connex flat
Skid Steer Loaders

Quantity: 14 Total

Manufacturer: Bobcat and Caterpillar

Owner(s): 6 each, ACS       2 each, CPAI
          1 each, ENI      5 each, HAK

Specifications:
- 1 each, Model: 299 DXHP
- 8 each, Model: MT-55
- 1 each, Model: T320-G
- 1 each, Model: T250-G
- 3 each, Model: 287C

Function: Performs various functions needed for spill response and field support.

Auxiliary Equip: Trencher, forks, bucket, auger, sweeper, trimmer, scratcher, jack hammer, snow blower and pintle hitch
## Warehouse Fork Lifts

<table>
<thead>
<tr>
<th>Quantity</th>
<th>3 Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manufacturer</td>
<td>Caterpillar, Clark, and Hyster</td>
</tr>
<tr>
<td>Owner(s)</td>
<td>ACS</td>
</tr>
</tbody>
</table>
| Specifications | Caterpillar: 1 each, 6,000 lbs. lifting capacity  
Clark: 1 each, 9,000 lbs. lifting capacity  
Hyster: 1 each, 7,000 lbs. lifting capacity |
| Function | Move and load equipment for day-to-day operations and response activities. |
| Auxiliary Equip | Pintle hitch attachment and man basket |
Front End Loaders w/attachments

Quantity: 2 Total
Manufacturer: Volvo L110H
Owner(s): ACS
Specifications: Volvo L110H – 22,280 lbs. lifting capacity
Function: Move and load equipment for day-to-day operations, response activities and snow removal.
Auxiliary Equip: Forks, bucket and pintle hitch attachment, snow plow, scratcher
Mobile Command Centers

Quantity: 3 Total
Manufacturer: Miscellaneous Builders
Owner(s): 1 each, ACS  1 each, CPAI  1 each, HAK
Function: Provides a center of operations and communications at spill locations.
Auxiliary Equip: Diesel generator, tractor trailer or truck with dempster system
Staging Area Manager Offices

Quantity: 3 Total
Manufacturer: ATCO and Homemade
Owner(s): 1 each, CPAI  2 each, HAK
Specifications: 16' to 40'
Function: Staging Area Managers’ offices.
Auxiliary Equip: Computer and generator
Winter Response Vans

Quantity: 1 Total
Manufacturer: Wells Cargo
Owner(s): HAK
Specifications: 20'
Function: Designed to transport containment and recovery equipment for initial winter response operations.
Auxiliary Equip: Tow vehicle and generator
Tanker Rollover Van

Quantity: 1 Total
Manufacturer: Wells Cargo
Owner(s): HAK
Specifications: 20’
Function: All in one rapid response trailer for source control and recovery of product in a rolled over tanker.
Auxiliary Equip: Tow vehicle
Steam Van

**Quantity:** 1 Total

**Manufacturer:** Spill Buster

**Owner(s):** CPAI

**Specifications:** 24'

**Function:** All in one response van that contains equipment to conduct high pressure hot water cleaning

**Auxiliary Equip:** Dempster system equipped truck
Warm Up/Break Shacks

- **Quantity:** 5 Total
- **Manufacturer:** Arctic Structures, Atco, Britco, and Homemade
- **Owner(s):**
  - 2 each, ACS
  - 1 each, CPAI
  - 2 each, HAK
- **Specifications:** 20' to 40'
- **Function:** Provide area for responders to warm up and take breaks.
- **Auxiliary Equip:** Generator
Portable Shelters

**Quantity:** 53 Total

**Manufacturer:** Air-Lite, Eureka, Hanson, and Zumro

**Owner(s):**
- 24 each, ACS
- 11 each, CPAI
- 2 each, ENI
- 15 each, HAK
- 1 each, Savant

**Specifications:** Sizes vary from 7' x 8', 12' x 10', 12' x 15', 13.5' x 16' and 12' x 20', 26' x 64', 12' x 12', 13.5' x 21'

**Function:** Protection from environmental conditions for equipment and personnel.

**Auxiliary Equip:** Flooring and stoves are available for some styles, Zodi tent heater
Portable Shops

**Quantity:** 2 Total

**Manufacturer:** Griffard Steel Inc. and Homemade

**Owner(s):** ACS

**Specifications:**
- 10' w x 21' l x 11.5' h  door 103" wide x 96" high  15,000 lbs.
- 14'W x 48.5'L 15.5'H   Door  30,000 lbs.

**Function:** Protection from environmental conditions for equipment maintenance and repair.

**Auxiliary Equip:** Generator, heater
Portable Restroom Units

**Quantity:** 15 Total

**Manufacturer:** Ameri-can Engineering, Britco, Envirovac, Polyjohn, and Sealand

**Owner(s):**
- 2 each, Envirovac, ACS
- 2 each, Envirovac, HAK
- 4 each, Portable toilets, ACS
- 4 each, Portable toilets, CPAI
- 2 each, Portable toilets, HAK

**Specifications:** 24’ to 33’ long, male/female capable

**Function:** Provide on-site restroom facilities during response operations.

**Auxiliary Equip:** Generator
## Indirect Fired Heaters

<table>
<thead>
<tr>
<th>Quantity</th>
<th>10 Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manufacturer</td>
<td>Arcotherm, Equipment Source, Industrial Commercial, Jetheat, Tioga, and Zodi Outback Gear</td>
</tr>
<tr>
<td>Owner(s)</td>
<td>7 each, ACS 3 each, CPAI</td>
</tr>
<tr>
<td>Specifications</td>
<td>2 each, 70,000 BTU 1 each, 380,000 BTU</td>
</tr>
<tr>
<td></td>
<td>2 each, 420,000 BTU 1 each, 500,000 BTU</td>
</tr>
<tr>
<td></td>
<td>1 each, 600,000 BTU 2 each 700,000 BTU</td>
</tr>
<tr>
<td></td>
<td>1 each, 770,000 BTU</td>
</tr>
</tbody>
</table>
| Function    | Heating work areas and equipment.
Under Water Drop Lights

Quantity: 10 Total
Manufacturer: ACS, Deep Sea Power, and Keldan
Owner(s): 6 each, ACS  2 each, CPAI  2 each, ENI
Specifications: Sealed drop light designed for use in water
Function: View oil pockets and movement under ice for winter recovery operations.
Auxiliary Equip: Generator
Light Plants and Stands

Quantity: 50 Total
Manufacturer: Hubbel-Cat, Allmand, Allman Bros., Bemis, Construction Electrical, Defender, Fostoria, Great Land Welding, Hubble-Cat, and Pelican
Owner(s): 28 each, ACS 7 each, CPAI 6 each, ENI
8 each, HAK 1 each, Savant
Specifications: 6 each, 2 light stands (500W)
18 each, 1 light stands (1,000W)
2 each, 2 light (1,000W) with tripod
1 each, 3 light stand (1,500W)
8 each, 2 light stands (2,000W)
1 each, 1 light stand (LED 16W)
2 each, 2 light stands (LED 70W)
1 each, 1 light stand (LED 72W)
1 each, 4 light stand (LED 96W)
7 each, 4 light stand (LED 200W)
2 each, light plant w/tracks (4,000W)
1 each, light plant (5,000W)
Function: Illumination for night time response operations.
Auxiliary Equip: Generator, extension cord
# Diesel Generators (various)

| Quantity: 64 Total |
| Owner(s): 34 each, ACS  21 each, CPAI  9 each, HAK |
| Specifications: 10-2 kw, 6-3 kw, 14-4 kw, 3-5 kw, 9-6 kw, 1-9 kw, 7-10 kw, 1-12 kw, 1-15 kw, 2-17 kw, 2-25 kw, 2-40 kw, 3-45 kw, 1-60 kw, 1-70 kw, 1-200 kw |
| Function: Electrical power for various pieces of response equipment. |
| Auxiliary Equip: Power Splitter |
Gas Generators (various)

Quantity: 56 Total
Manufacturer: Honda, Powermate, and Yamaha
Owner(s): 16 each, ACS  16 each, CPAI
4 each, ENI  20 each, HAK
Specifications: 4-1 kw, 22-2 kw, 19-3 kw, 6-4 kw, 2-5 kw, 3-7 kw
Function: Electrical power for various pieces of response equipment.
Air Compressors

Quantity: 14 Total
Manufacturer: Atlas Copco, Dayton, Devilbiss, Dewalt, Diesel America West, Ingersoll Rand, Maxus, Napa, Speedaire, and Sullair
Owner(s): 2 each, (diesel), ACS 2 each, (diesel), HAK
1 each (gasoline), HAK
6 each, (electric), ACS 3 each, (electric) CPAI
Specifications: 60 - 185 CFM
Function: Provide industrial air service for response activities.
Auxiliary Equip: Air hose
06’, 10’, 20’ and 40’ Connex

**Quantity:** 447 Total

**Manufacturer:** Various

**Owner(s):**
- 26 each, 06’ ACS
- 2 each, 10’ ACS
- 192 each, 20’ ACS
- 86 each, 20’ HAK
- 5 each, 40’ ACS
- 10 each, 40’ ENI

**Specifications:**
- 26 each, 06’ connex
- 373 each, 20’ connex
- 5 each, 10’ connex
- 43 each, 40’ connex

**Function:** Material or boom storage.
Portable Fuel Tanks

**Quantity:** 16 Total

**Manufacturer:** Greer Tank, Western International, and West-Mark

**Owner(s):**
- 9 each, ACS
- 5 each, CPAI
- 2 each, HAK

**Specifications:**
- 2 each, 100 gallons
- 1 each, 300 gallons
- 13 each, 500 gallons

**Function:** Fueling support for either gasoline or diesel engines.
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Communications
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Portable Communications Towers

Quantity: 1 Total
Manufacturer: Aluma Tower Company
Owner(s): ACS
Specifications: 75’ Tower
Function: Daily and oil spill response communications.
Portable Communications Shelters

Quantity: 2 Total
Manufacturer: Vertex Plastics
Owner(s): ACS
Function: Transportation of communications shelter to be used for expansion of oil spill radio channel coverage.
Auxiliary Equip: 4.0 kw diesel generator and 18’ trailer
Handheld Radios

Quantity: 296 Total
Manufacturer: ICOM and Motorola
Owner(s): 251 each, ACS
1 each, ENI
42 each, CPAI
2 each, HAK
Specifications:
24 each, UHF - ACS
12 each, Harmony - ACS
211 each, VHF - ACS
4 each, VHF marine - ACS
2 each, VHF marine - HAK
Function: Daily and oil spill response communications.
Auxiliary Equip: Charger, repeater, gap filler and translator
Iridium Phones

Quantity: 22 Total
Manufacturer: Beam Communications, Iridium, and Motorola
Owner(s): ACS
Specifications: 3 each, marine
19 each, handheld
Function: Satellite telephone communications/internet and e-mail capabilities.
Auxiliary Equip: Chargers, external antenna, SIMMS card
### Mobile Radios

- **Quantity:** 201 Total
- **Manufacturer:** General Electric, ICOM, and Motorola

<table>
<thead>
<tr>
<th>Owner(s)</th>
<th>Specifications</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>163 each, ACS</td>
<td>3 each, UHF - ACS</td>
<td>Marine, daily and oil spill response communications.</td>
</tr>
<tr>
<td>1 each, ENI</td>
<td>131 each, VHF - ACS</td>
<td></td>
</tr>
<tr>
<td>25 each, HAK</td>
<td>15 each, VHF - HAK</td>
<td></td>
</tr>
<tr>
<td>12 each, CPAI</td>
<td>29 each, VHF marine - ACS</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2 each, VHF marine - CPAI</td>
<td></td>
</tr>
<tr>
<td></td>
<td>10 each, VHF marine - HAK</td>
<td></td>
</tr>
<tr>
<td></td>
<td>10 each, VHF marine - ENI</td>
<td></td>
</tr>
</tbody>
</table>

ACS, CPAI, HAK, ENI
GPS

Quantity: 150 Total
Manufacturer: Furuno, Garmin, Lowrance, Motorola, North Star, and Raymarine
Owner(s): 63 each, ACS 19 each, CPAI 5 each, ENI 63 each, HAK
Specifications: Marine/handheld/plotter/GPS, radar Handheld 77 Marine 73
Function: Navigation and delineation.
Auxiliary Equip: AA batteries, mag mount antenna
Gap Fillers

- **Quantity:** 6 Total
- **Manufacturer:** Codan Radio Communications and Daniels
- **Owner(s):** ACS
- **Specifications:**
  - 4 each, repeaters
  - 2 each, translators
- **Function:** Extend radio coverage.
- **Auxiliary Equip:** 12 volt automotive battery
Radio Winter Drilling Kits

**Quantity:** 11 Total Kits

**Manufacturer:** ACS

**Owner(s):** ACS

**Specifications:**
- Per Kit: 3 each, VHF handhelds
- Per Kit: 1 each, VHF mobile
- Per Kit: 1 each, cellular bag phone

**Function:** Communications kit for remote drilling support.

**Auxiliary Equip:** Charger, mag mount antenna and spare batteries
Wildlife

Section I
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Pinniped Enclosure

**Quantity:** 2 Total

**Manufacturer:** Alaska Sea Life Center

**Owner(s):** ACS

**Specifications:** 15' Diameter x 4' High

**Function:** Storage area for captured Pinniped.
Bear Cages and Transport Cages

**Quantity:** 9 Total

**Manufacturer:** Carter2systems (C2S1), Eton Welding & Machine, Homemade, Impact Dog Crates, Knapp, and Teton Welding & Manufacturing

**Owner(s):**
- 5 each, ACS
- 1 each, CPAI
- 2 each, HAK
- 1 each, US Fish and Wildlife

**Specifications:**
- 1 each, 3 piece unit
- 2 each, trailer mounted unit
- 1 each, single cage
- 5 each, transport cage (2 each, Aircraft Compliant)

**Function:** Storage area for captured bear.
Net Launchers

**Quantity:** 4 Total

**Manufacturer:** Coda Enterprises and Winchester

**Owner(s):**
- 1 each, ACS
- 1 each, CPAI
- 1 each, ENI
- 1 each, HAK

**Specifications:** .308 Winchester shell/blank for launching net

**Function:** Capture wildlife.

**Auxiliary Equip:** .308 Blanks and net
Wildlife Kits (capture and hazing)

**Quantity:** 27 Total

**Manufacturer:** Alaska Clean Seas

**Owner(s):**
- 20 each, (hazing and capture) ACS
- 3 each, (hazing) CPAI
- 1 each, (hazing) ENI
- 3 each, (hazing) HAK

**Specifications:**
- 17 each, wildlife hazing kits
- 10 each, capture kits

**Function:** Capture contaminated wildlife for rehabilitation and haze animals away from contaminated areas.
PepperBall Gun

Quantity: 1 Total
Manufacturer: PepperBall
Owner(s): ACS
Specifications: Variable Kinetic System (VKS)
Function: Wildlife hazing
Auxiliary Equip: Inert and Marking PepperBall, air tank, hopper
12 Gauge Shot Guns

**Quantity:** 21 Total

**Manufacturer:** Benelli, New England Firearms, and Remington

**Owner(s):**
- 13 each, ACS
- 7 each, CPAI
- 3 each, ENI

**Specifications:**
- 9 each, New England Firearms single shot
- 12 each, Remington Model 870 pump
- 2 each, Benelli Nova Tactical

**Function:** Wildlife hazing

**Auxiliary Equip:** Cracker shells, rubber bullets, and slugs
Bird Stabilization Center

Quantity: 1 Total
Manufacturer: Alaska Clean Seas
Owner(s): ACS
Specifications: 2 connecting units
Each section is portable and can be moved individually by truck or C-130
Function: Decontamination and rehabilitation of wildlife. The construction of the center enables it to be transported to any location on or off the North Slope.
Bird Scare Devices

**Quantity:** 70 Total

**Manufacturer:** Bird Gard, Breco, Dazon BV Maastricht, Feather-Light Tech, and Reed Joseph

**Owner(s):**
- 46 each, propane, ACS
- 7 each, propane, CPAI
- 2 each, propane, ENI
- 3 each, propane, HAK
- 11 each, electronic, HAK
- 1 each, laser, HAK

**Specifications:**
- 58 each, propane cannons
- 1 each, laser
- 11 each, electronic

**Function:** Wildlife hazing.

**Auxiliary Equip:** Propane tank and receiver unit for electronic units. Battery for testing.
Miscellaneous
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De-Icer

Quantity: 2 Total
Manufacturer: Kasco
Owner(s): ACS
Specifications: Model 4400D 1 HP
Function: De-icers push warm bottom water to the surface creating an ice-free area.
Auxiliary Equip: Generator, line
Ground Penetrating Radar System

Quantity: 1 Total
Manufacturer: Sensors & Software Inc.
Owner(s): ACS
Specifications: Model Pulse EKKO Pro
Function: Ice profiling, determination of ice thickness and detection of spilled oil under ice
Auxiliary Equip: (2) Transmitter and receiving units
Hydraulic Power Units (various)

**Quantity:** 154 Total
**Manufacturer:** Various
**Owner(s):**
- 74 each, ACS
- 31 each, CPAI
- 8 each, ENI
- 41 each, HAK

**Specifications:** Varies for purpose
**Function:** Power boom deployment and recovery systems.
**Auxiliary Equip:** Hydraulic hoses and possibly remote controller
# MegaSecur Dams

| Quantity: | 8 Total |
| Manufacturer: | MegaSecur Water-Gate, Models WA2825, WA2850, and WA3950 |
| Owner(s): | 4 each, 25', HAK 1 each, 30', HAK 2 each, 50', ACS 1 each, 50', HAK |
| Specifications: | 25' x 28" 30' x 39" 50' x 28" 50' x 39" |
| Function: | Water gate to slow current in small streams to aid in recover operations. |
| Accessories: | PVC pipe can be placed under dam to create an underflow dam |
## MetOcean Spill Tracking Systems

**Tracking Buoy**

**Ice Beacon Housing**

<table>
<thead>
<tr>
<th><strong>Quantity</strong></th>
<th>12 Total</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Manufacturer</strong></td>
<td>MetOcean</td>
</tr>
<tr>
<td><strong>Owner(s):</strong></td>
<td>6 each, Tracking Buoy, ACS</td>
</tr>
<tr>
<td></td>
<td>4 each, Tracking Buoy, ENI</td>
</tr>
<tr>
<td></td>
<td>2 each, Tracking Buoy, CPAI</td>
</tr>
<tr>
<td></td>
<td>8 each, Ice Beacon Housing, ACS</td>
</tr>
<tr>
<td><strong>Specifications:</strong></td>
<td>iSphere Drift Buoy – Iridium Satellite Communications</td>
</tr>
<tr>
<td><strong>Function:</strong></td>
<td>Tracking oil spills in offshore currents and broken ice conditions.</td>
</tr>
<tr>
<td><strong>Auxiliary Equip:</strong></td>
<td>Computer and software</td>
</tr>
</tbody>
</table>
Underwater ROV

Quantity: 1
Manufacturers: Chasing
Owner: ACS
Specifications: Capable of 490' diving depth at 4 knots
  4k video camera
  Tether provides constant power source – battery alone lasts 4 hours
Function: Video surveillance and documentation of oil spills. Vessel hull and underwater pipeline inspection, underwater oil spill investigation.
Auxiliary Equip: 2000 lumen light, grabber arm
Unmanned Aircraft Systems

Quantity: 5 Total (Four rotary, one fixed wing)
Manufacturers: Yuneec, DJI, Autel Robotics, FOX TECH
Owner: ACS
Specifications: Yuneec H520: One-half hour flight time, 160 thermal and 4K video cameras.

Mavic 2 Pro: One-half hour flight time, 4k video camera.

Autel Robotics Evo II Dual MDCD: One-half hour flight time, 640 thermal sensor combined with 8k/48MP visual camera.

FOX TECH Great Shark: Vertical take off and land, 2.5 hours flight time, beyond visual line of sight capabilities and 4k video with 30x zoom.

Function: Video surveillance and documentation of oil spills. Shoreline assessment, wildlife surveillance, on water oil spotting.

Auxiliary Equip: Extra batteries for all to enable unlimited flight time.
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CONTACT INFORMATION

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