



Greg Jones

Senior Vice President
Alyeska Pipeline Service Company,
Technical Support Division

TAPS Owners

- BP Pipelines (Alaska), Inc.
- ConocoPhillips Transportation Alaska, Inc.
- ExxonMobil Pipeline Company
- Unocal Pipeline Company
- Koch Alaska Pipeline Company, LLC

Marine Shippers

- BP Oil Shipping
- ConocoPhillips Marine/Polar Tankers, Inc.
- SeaRiver Maritime, Inc.
- Chevron Shipping Company, LLC
- Tesoro Alaska Company



- **State of Alaska HB567**

On June 27, 1990, Alaska enacted House Bill 567, dramatically strengthening the State's oil pollution control laws and mandating new response planning standards and discharge prevention requirements for offshore facilities, crude oil tank vessels, and pipelines.

- **Oil Pollution Act of 1990**

On August 18, 1990, Congress passed the Oil Pollution Act of 1990 (OPA) which strengthened provisions concerning oil spill prevention, response planning, and financial responsibility for offshore facilities, crude oil tank vessels, and pipelines.

300,000 Barrels in 72 Hours

Identifies Alyeska as Primary Action Contractor (PRAC)

- **Alaska Department of Environmental Conservation**

The Alaska Department of Environmental Conservation is an organization setup to enforce Alaska state law and “to conserve, improve, and protect [Alaska’s] natural resources and environment and control water, land, and air pollution, in order to enhance the health, safety, and welfare of the people of the state and their overall economic and social well being.”

- **United States Coast Guard**

“The main responsibilities for Station Valdez include Homeland Defense, Search & Rescue, Law enforcement, and Waterborne security for the Alyeska Pipeline Terminal.”

- **Prince William Sound Regional Citizen’s Advisory Council**

“The Prince William Sound Regional Citizens’ Advisory Council (PWSRCAC) is an independent non-profit corporation guided by its mission: citizens promoting environmentally safe operation of the Alyeska Pipeline marine terminal in Valdez and the oil tankers that use it.”

- **CP-35-2 Valdez Terminal Oil Discharge Prevention and Contingency (Terminal Plan)**

Describes scenarios, tactics, and equipment associated with prevention and response on the VMT.

- **Prince William Sound Tanker Oil Discharge Prevention and Contingency Plan (Tanker Plan)**

Describes oil spill prevention and response activities, and procedures common to PWS tank vessel operators and Alyeska.

- **SERVS Technical Manual**

Provides information on operational response details and response tactics that may be used in the event of an oil spill (used in conjunction with the terminal and tanker plans).

- **Vessel Escort and Response Plan (VERP)**

Governs all of SERVS’ escort guidelines and procedures in PWS.

Ship Escort/Response Vessel System (SERVS)

Mission: To maintain a constant state of readiness to assist tankers in the safe navigation through Prince William Sound and to provide oil spill response services to the TAPS Marine Oil Shippers, Valdez Marine Terminal and Pipeline in accordance with oil spill response agreements and plans.

- Prevention
- Response



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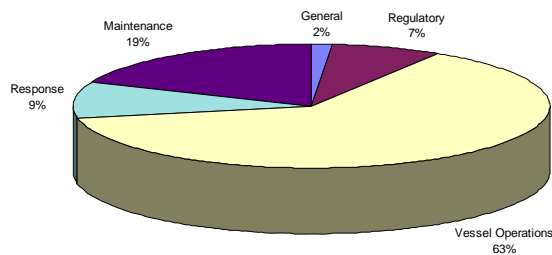


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- Response

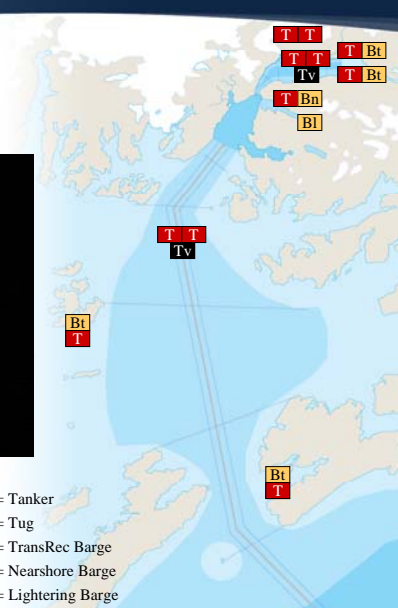


SERVS 2010 operating budget: \$92M. Of the \$92M, approximately \$20M of Vessel Operation costs are passed through to marine shipping companies.

- 3 Prevention & Response Tugs: **Attentive, Aware, & Alert**
- 2 Enhanced Tractor Tugs: **Nanuq & Tan'erliq**
- 3 Invader Class Tugs: **Invader, Stalwart, & Bulwark**
- 1 Seaswift Class Tug: **Pathfinder**
- 1 Theriot Class Ocean Tug: **Sea Voyager**
- 1 Utility (Tug/Supply) Vessel: **Endurance**



11 total



- Tv = Tanker
- T = Tug
- Bt = TransRec Barge
- Bn = Nearshore Barge
- Bl = Lightering Barge

- Automated Identification System (AIS)
- Ice Radar (Columbia Glacier)
- PWS Radio Coverage
- Alert Cast
- Manned 24/7



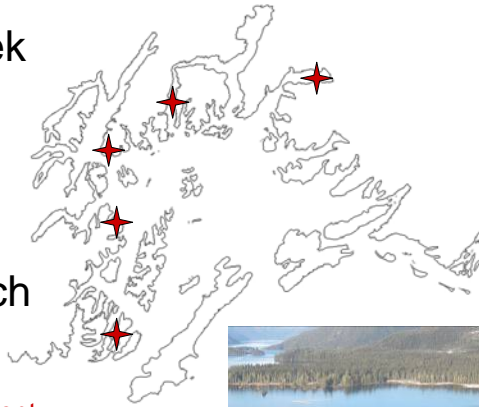
- 5 TransRec Barges
- 1 Equipment Barge (Valdez Star)
- 1 Nearshore Barge
- 1 Lightering Barges
- 1 Storage Barge

108 Individual Skimming Units
59,000+ Barrels per hour
900,000+ of On-Water Storage Capacity

9 total



- Cannery Creek
- Chenega Bay
- Lake Bay
- Main Bay
- Solomon Gulch



Community Involvement
Pre-positioned Equipment
49,500 ft of Protective Boom



- Chenega Bay
- Cordova
- Tatitlek
- Valdez
- Whittier



Community Involvement
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49,500 ft of Protective Boom

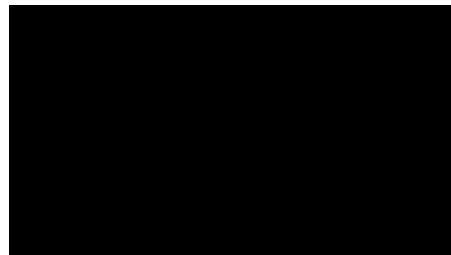


- Annual Shipper Drills
- Annual Spring & Fall Fishing Vessel Training
- Incident Command System Training
- Security Exercises
- Hatchery Deployments
- Geographic Response Strategy Deployments
- Valdez Marine Terminal Drills
- Alert Cast Drills
- Pipeline Drills



Yearly Average Total: 70

- Tier I Vessels
 - 0-6 hours to be underway
 - HAZWOPER Trained
 - 60 total (PWS)
 - Cordova
 - Valdez
 - Whittier
- Tier II Vessels
 - 0-24 hours to be underway
 - 290+ total (140+ in PWS & 150+ outside PWS)
 - Homer
 - Kodiak
 - Seward
- Tier III Vessels
 - Not under contract



350+ Vessels under contract
Ready work boats
Local knowledge

- Alyeska Pipeline Service Company
- Rationale for PWS
oil spill prevention and response
- Organization structure
and operations:
 - Ship Escort/Response Vessel System
 - Superior Tug Fleet (11)
 - Oil Recovery Barges (9)
 - Hatchery Protection Sites (5)
 - Response Centers (5)
 - Fishing Vessel Training Program
(350+ Vessels)
- Exercises and Drills



Prevention in Action

- Jan. 17, 2010, tanker vessel **Kodiak** reports electrical problem, briefly loses power at Hinchinbrook Entrance.
- **Tan'erlaq** brings **Kodiak** to full stop and under full control in 11 minutes.
- **Aware** establishes tow line.
- Assist takes less than 30 minutes in 10-foot seas and 14-17 knot winds.
- **Kodiak** and 613,000 barrel cargo towed to safety.
- Extreme professionalism and seamanship of SERVS and shipper crews.



Response in Action

- Dec. 23, 2009, the tugboat **Pathfinder** runs aground on Bligh Reef.
- **Alert** immediately dispatched to scene with containment boom, anchors, and response equipment..
- Dec. 25, full response under way.
- Dec. 26, ADEC reports spill cleaned up.
- Demonstration of SERVS response readiness.
- Since 1989, SERVS has responded to multiple F/V Spills.



“The spilled diesel has either evaporated or been cleaned up,” said Gary Folley, ADEC on-site coordinator. “There appears to be no significant environmental damage, no wildlife or shoreline impact.”

SERVS escort saves lives

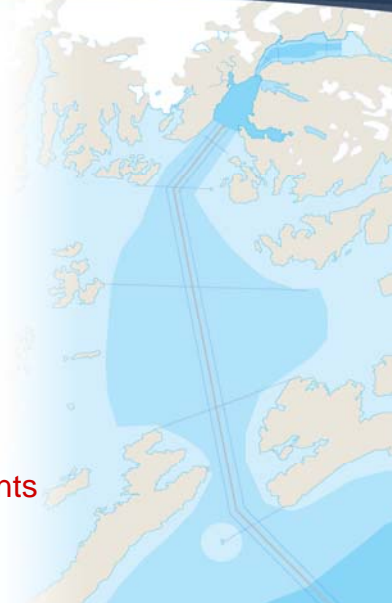
- July 10, 2001, tanker vessel **Chevron Mississippi** approaches Valdez Narrows.
- Fishing Vessel spreads nets across tanker lanes, does not respond to radio calls.
- Pilot asks escort to bring tanker to a stop.
- **Aware** brings **Mississippi** to full stop within 2 tanker lengths, stopping within 200 feet of nets.
- Emergency stop saved life and property of fishing vessel.





Summary

- 300,000 Barrels in 72 Hours
- 108 Skimming Units
- 49.1 Miles of Boom
- 59,000+ Barrels per hour
- 900,000+ Barrels of On-Water Storage Capacity
- Pre-positioned Equipment
- Fishing Vessel Program (350+ Vessels & 1100 Participants)
- 2 Escorts for all laden tankers



Thank you
Questions?



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