



Alyeska pipeline
SERVICE COMPANY



SERVS

Ship Escort/Response Vessel System

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Prince William Sound: Then & Now

- Regulatory Drivers
- Oversight/Advisory
- United States Coast Guard
- Marine Shipping Companies
- Alyeska Pipeline Service Company/SERVS



- **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



- **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.”

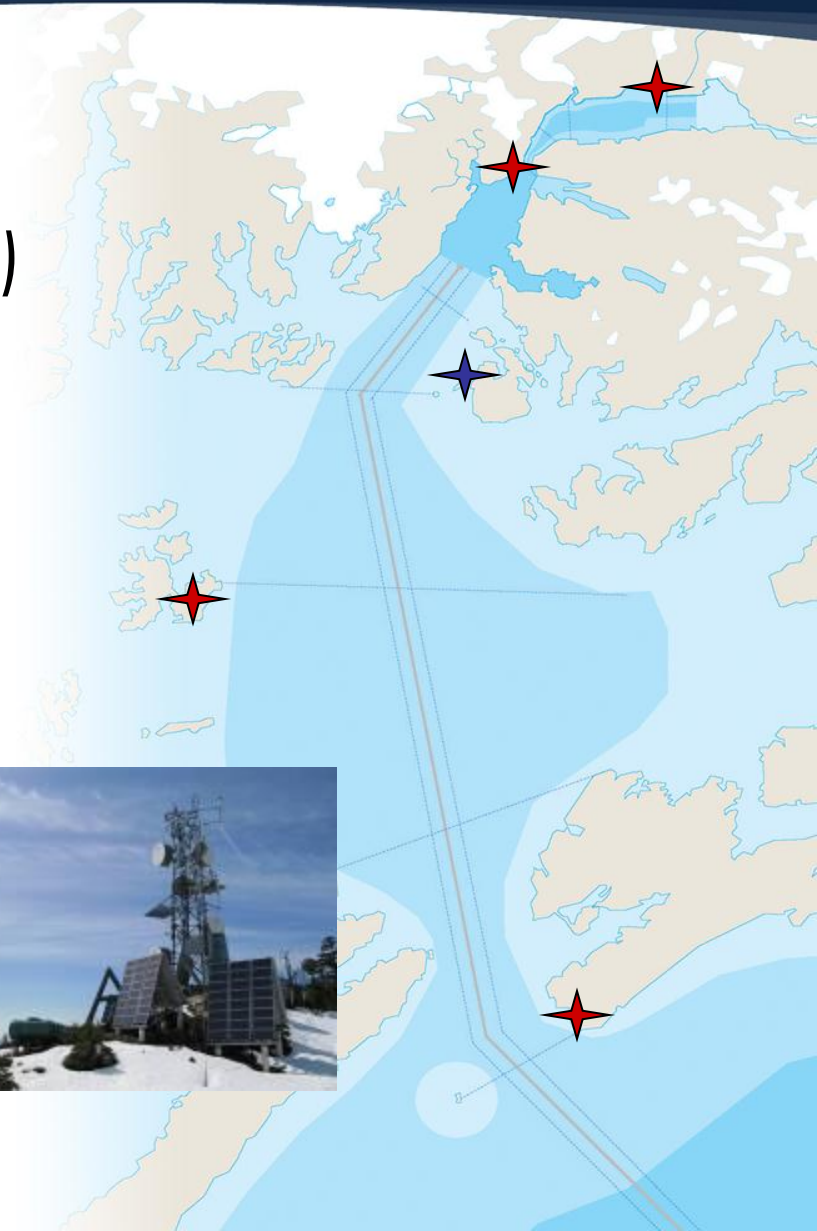
- **United States Coast Guard**

“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.”

- Enhanced Radar Coverage
- Ice Radar (Columbia Glacier)
- Automated Identification System (AIS)
- Radio Check-ins
- Closed Circuit Video Surveillance
- Additional Manning (2 Watchstanders & Chief of Vessel Traffic System)



- Tanker Fleet Improvements:
 - 16 of 17 TAPS tankers are double hulled or double bottomed
 - 9 of 16 tankers also have redundant propulsion and rudder systems
- Speed Limits in Prince William Sound (PWS)
- Alcohol Screening
- Weather Restrictions
- Pilotage to and from Bligh Reef
- Each tanker equipped with PWS Towing Package

[10 Knots in Port.]

[6 Knots in Narrows.]

[8 Knots to Buoy 9.]

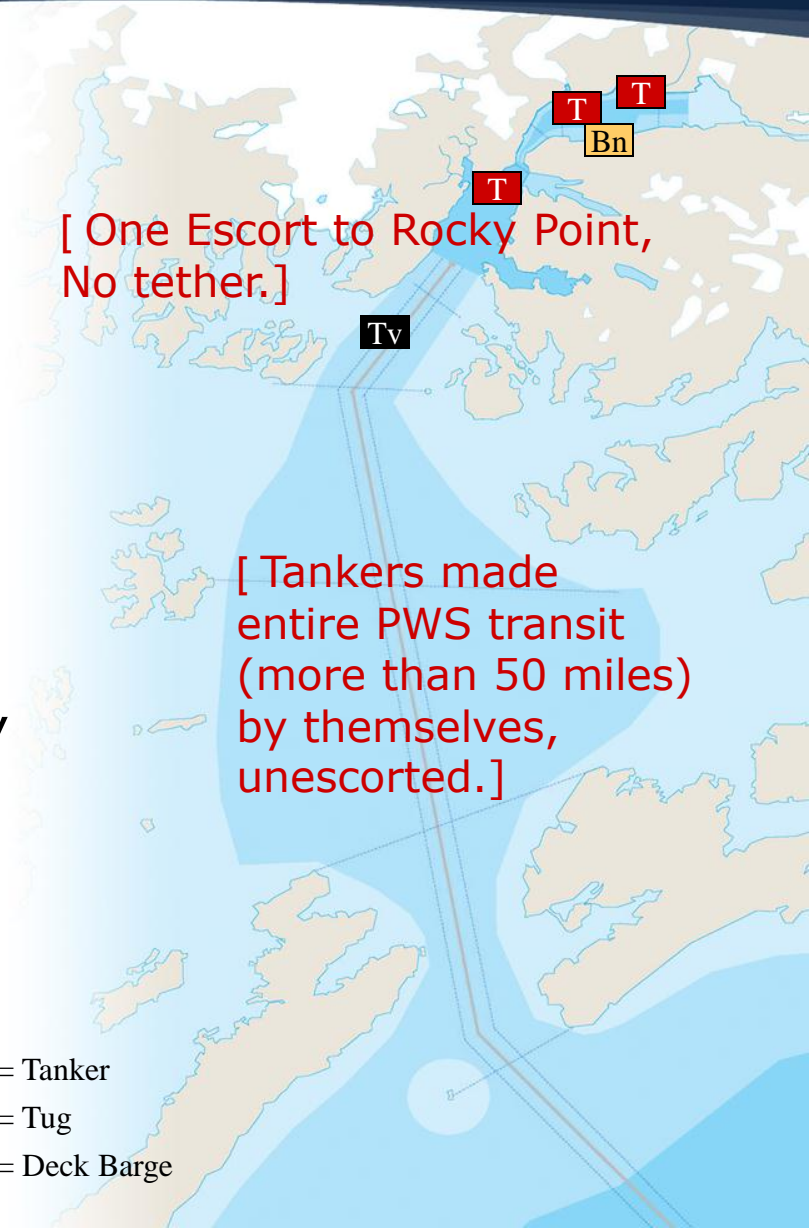
[10 Knots to
Precautionary Area.]

[12 Knots Mid-Sound.]

[10 Knots thru
entrance.]

- 2 Invader Class Tugs: **Stalwart & Bulwark**
- 1 Seaswift Class Tug: **Pathfinder**
- 1 Deck Barge: **BR126**
- 13 Skimmers
- Approximately 12,000+ Barrel Total On-Water Storage Capacity
- Approximately 5 Miles of Boom

Tv = Tanker
T = Tug
Bn = Deck Barge



[One Escort to Rocky Point,
No tether.]

[Tankers made
entire PWS transit
(more than 50 miles)
by themselves,
unescorted.]

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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- Prevention
- Response



- 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: **Guardian**
- 1 Theriot Class Ocean Tug: **Sea Voyager**
- 1 Utility (Tug/Supply) Vessel: **Endurance**
- 1 Self-Propelled Skimmer: **Valdez Star**

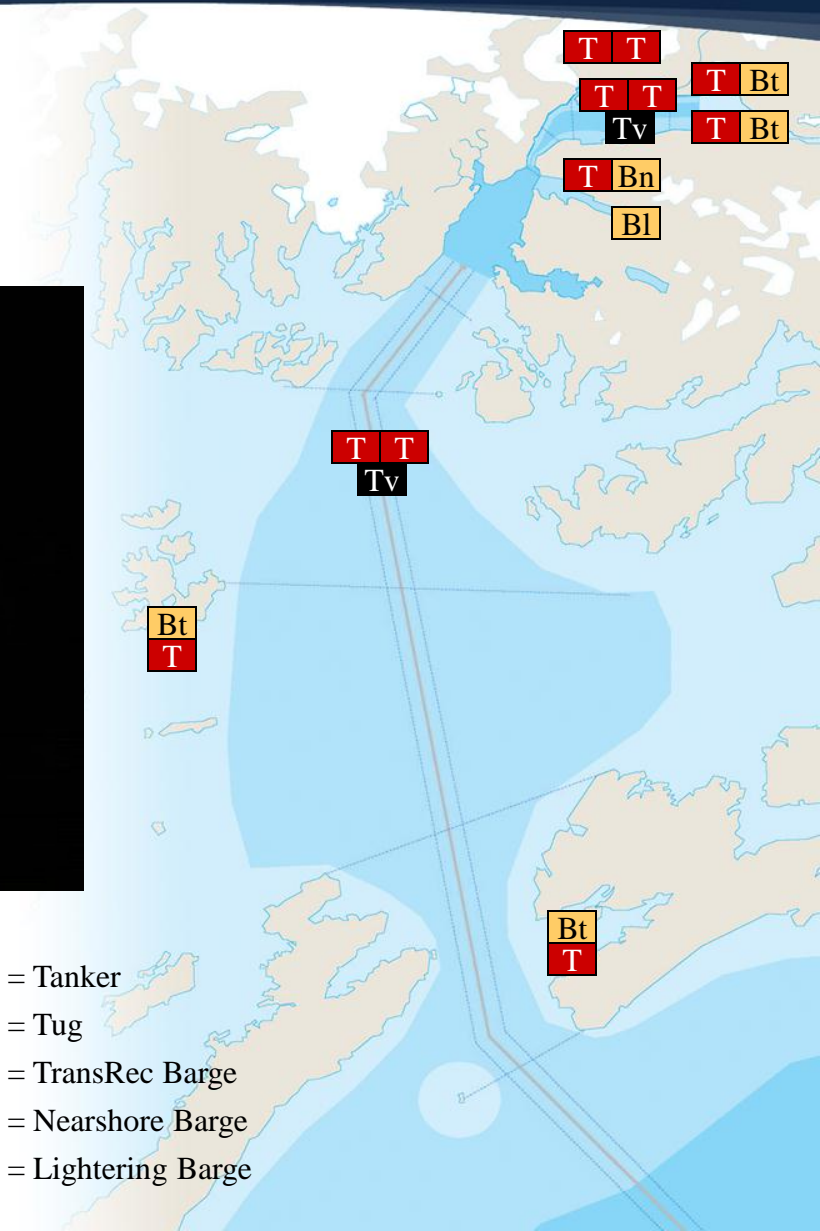


12 total

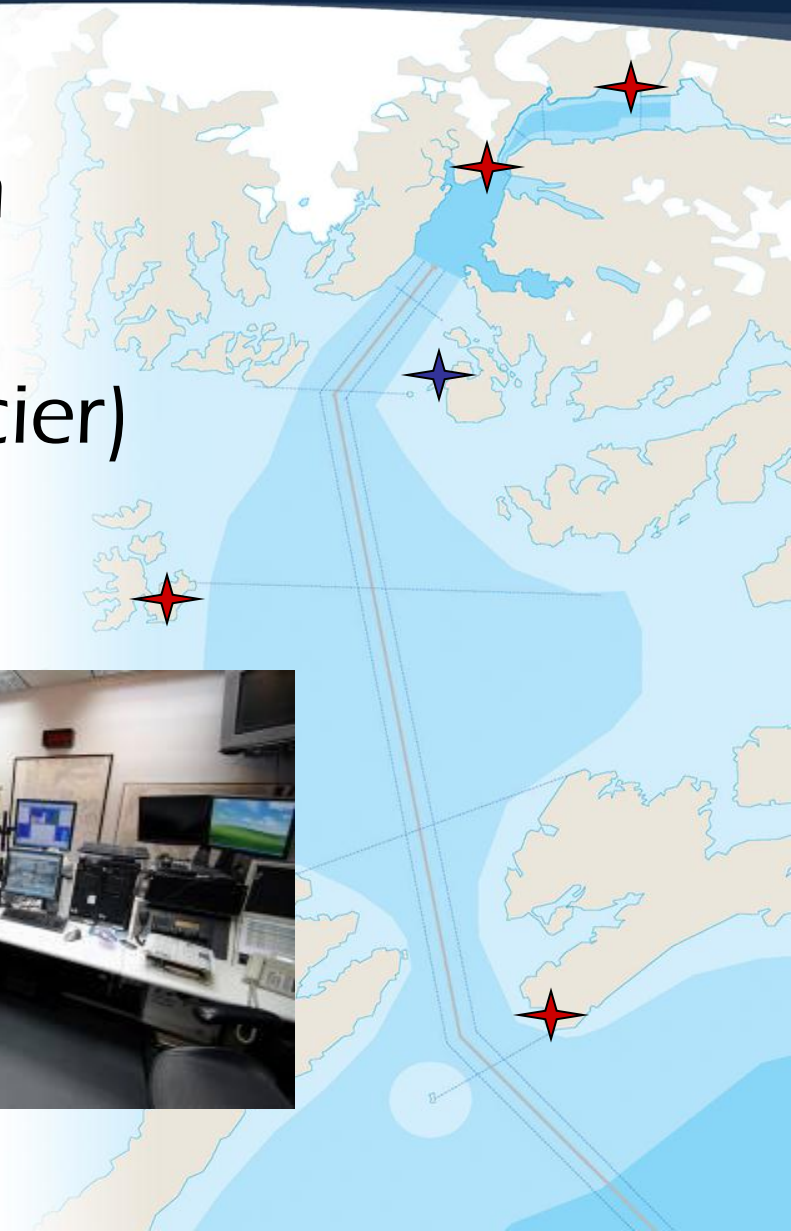
SERVS Tanker Escort



- 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 Nearshore Barge:
500-2
- 1 Lightering Barge:
450-7
- 1 Inland-Tank Barge:
Allison Creek
- 1 Storage Barge:
Sawmill Creek

108 Individual Skimming Units

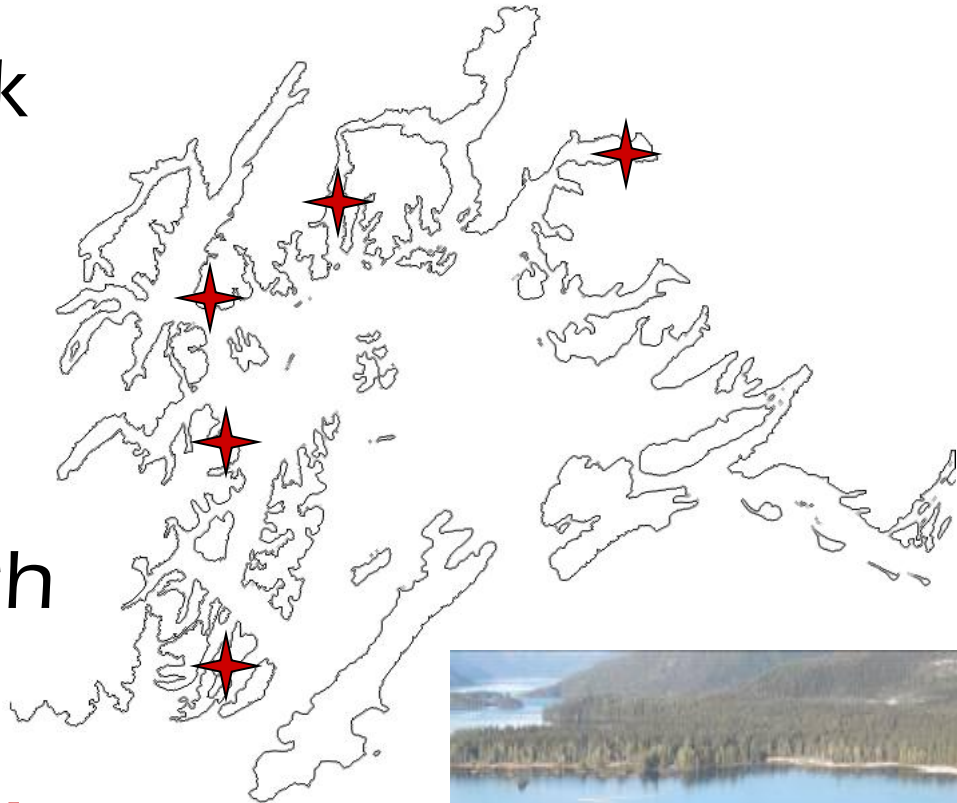
59,000+ Barrels per hour

**900,000+ of On-Water Storage
Capacity**

9 total



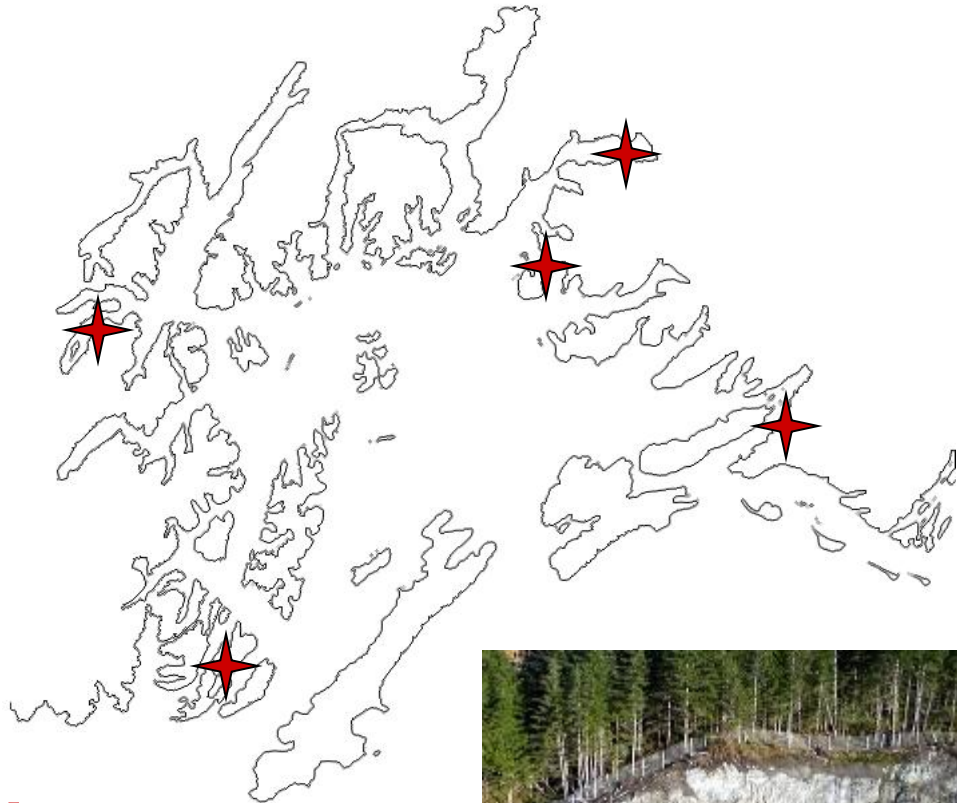
- Cannery Creek
- Chenega Bay
- Lake Bay
- Main Bay
- Solomon Gulch



Pre-positioned Equipment
49,500 ft of Protective Boom



- Chenega Bay
- Cordova
- Tatitlek
- Valdez
- Whittier



Pre-positioned Equipment
49,500 ft of Protective Boom



• 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
- 350 + total
 - 200+ in Prince William Sound
 - 150+ outside the Sound.

• Tier III Vessels

- Vessels of Opportunity



400+ Vessels under contract

1500+ Participants

Ready work boats

Local knowledge

Fishing Vessel Administrators in each community

- 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

- Stronger Laws & Regulations
- Additional & Stronger Oversight
- Stronger USCG Presence
- Improved, Modern Tanker Fleet & Shipping Regulations
- Ship Escort/Response Vessel System
 - Superior Tug Fleet (11)
 - Oil Recovery Barges (9)
 - Hatchery Protection Sites (5)
 - Response Centers (5)
 - Fishing Vessel Training Program (400+ Vessels & 1500+ Participants)

300,000 Barrels in 72 Hours

108 Skimming Units

49.7 Miles of Boom

59,000+ Barrels per hour

**900,000+ Barrels
of On-Water Storage Capacity**

Pre-positioned Equipment

**Fishing Vessel Program
(400+ Vessels & 1500 Participants)**

2 Escorts for all Laden Tankers



Then

Now

300,000 Barrels in 72 Hours

5 Miles of Boom

49.7 Miles of Boom

13 Skimming Units

108 Skimming Units

59,000+ Barrels per hour

**12,000+ Barrels
of On-Water Storage
Capacity**

**900,000+ Barrels
of On-Water Storage
Capacity**

**Pre-positioned Equipment
Throughout PWS**

**Fishing Vessel Program
(400+ Vessels & 1500 Participants)**

**1 Escort for Laden Tankers
Through the Narrows**

**2 Escorts for Laden Tankers
Throughout PWS**



Thank you Questions?



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