



Alyeska pipeline
SERVICE COMPANY



SERVS

Ship Escort/Response Vessel System



Andrés Morales

SERVS Director

Alyeska Pipeline Service Company,

Ship Escort/Response Vessel System (SERVS)

- 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
Best Available Technology



- **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.”

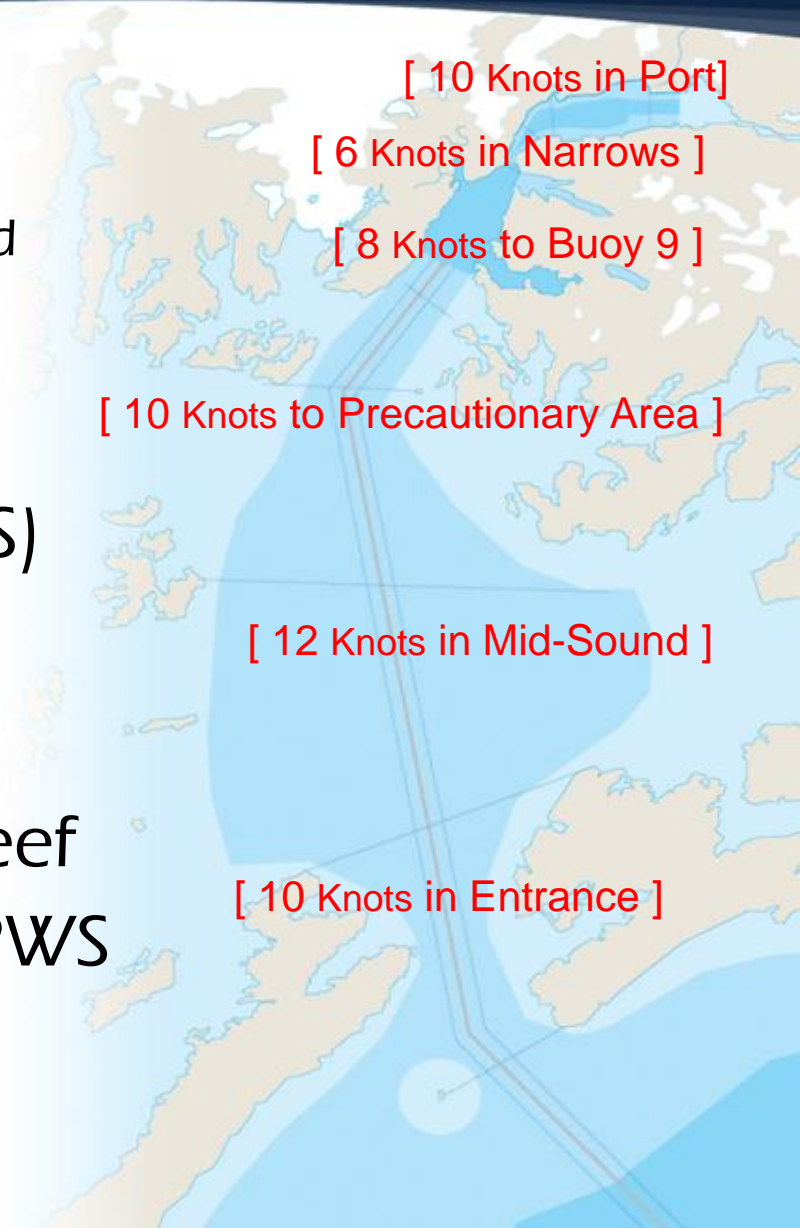
- **Prince William Sound Regional Citizen’s Advisory Council**

“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:
 - All 15 TAPS tankers are double hulled
 - 9 of 15 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



- 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

 = Tanker
 = Tug
 = Deck Barge



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.

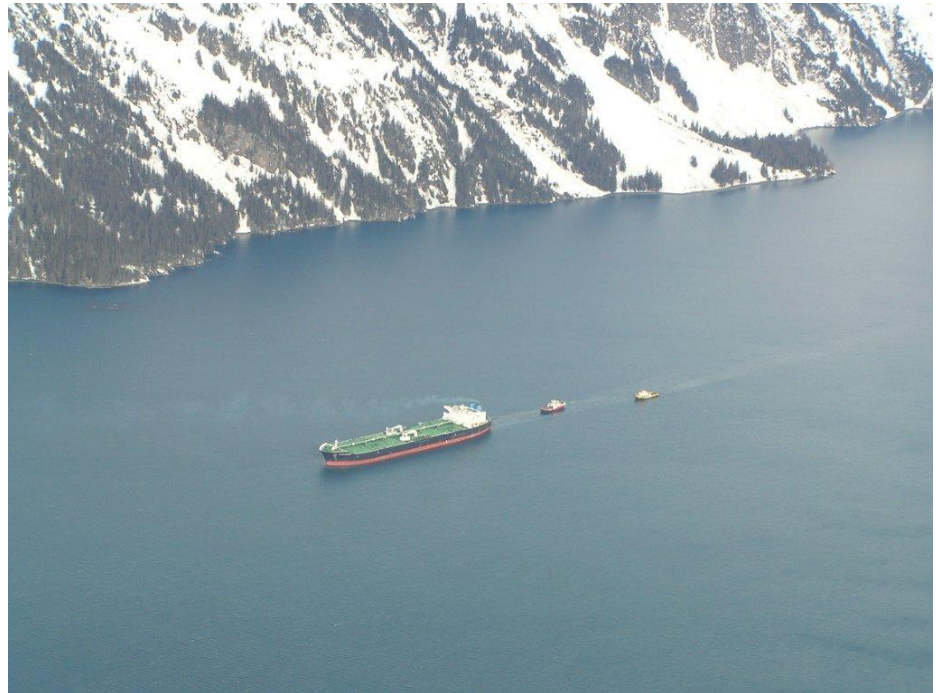
- Prevention
- Response



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



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



- 3 Prevention & Response Tugs: **Attentive, Aware, & Alert**
- 2 Enhanced Tractor Tugs: **Nanuq & Tan'erliq**
- 3 Invader Class Tugs: **Hunter, 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

- 5 TransRec Barges
450-1, 450-3, 450-6, 450-8 & Mineral Creek
- 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

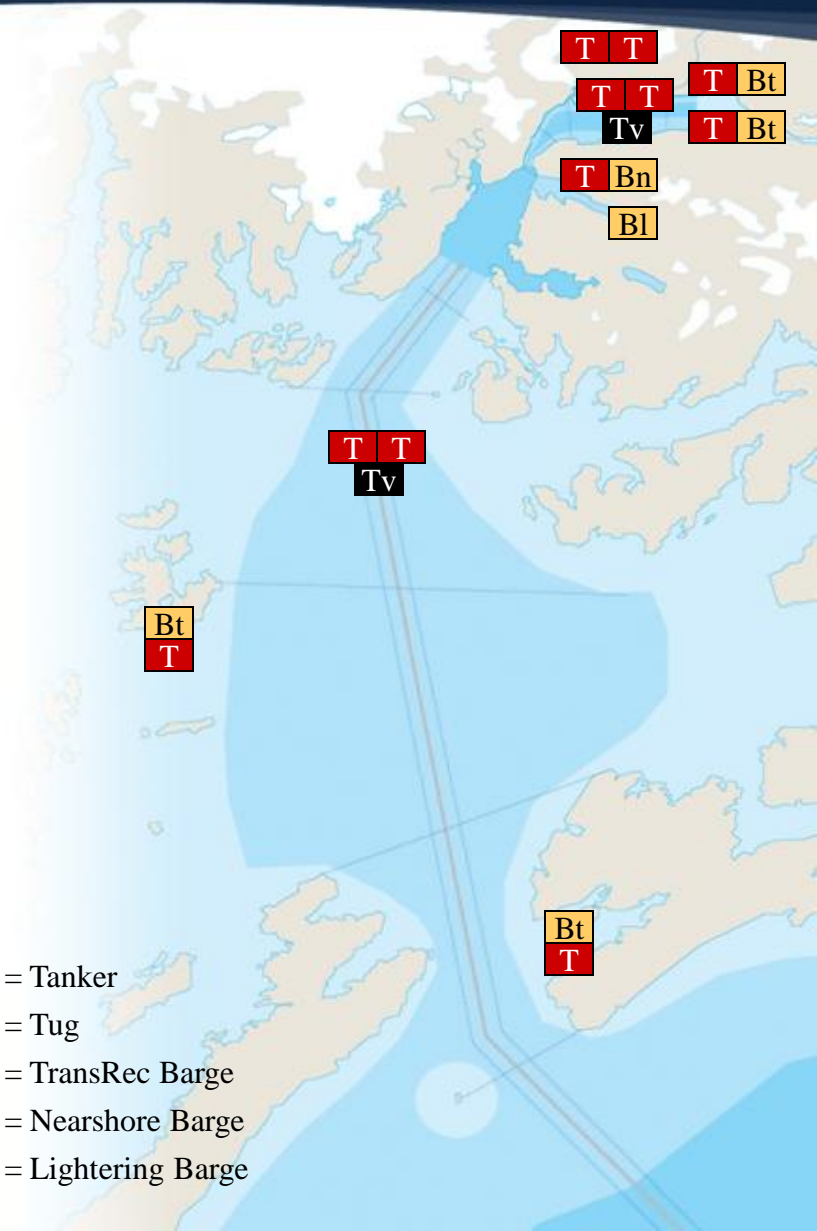
59,000+ Barrels per hour

900,000+ of On-Water Storage Capacity

9 total



SERVS Tanker Escort

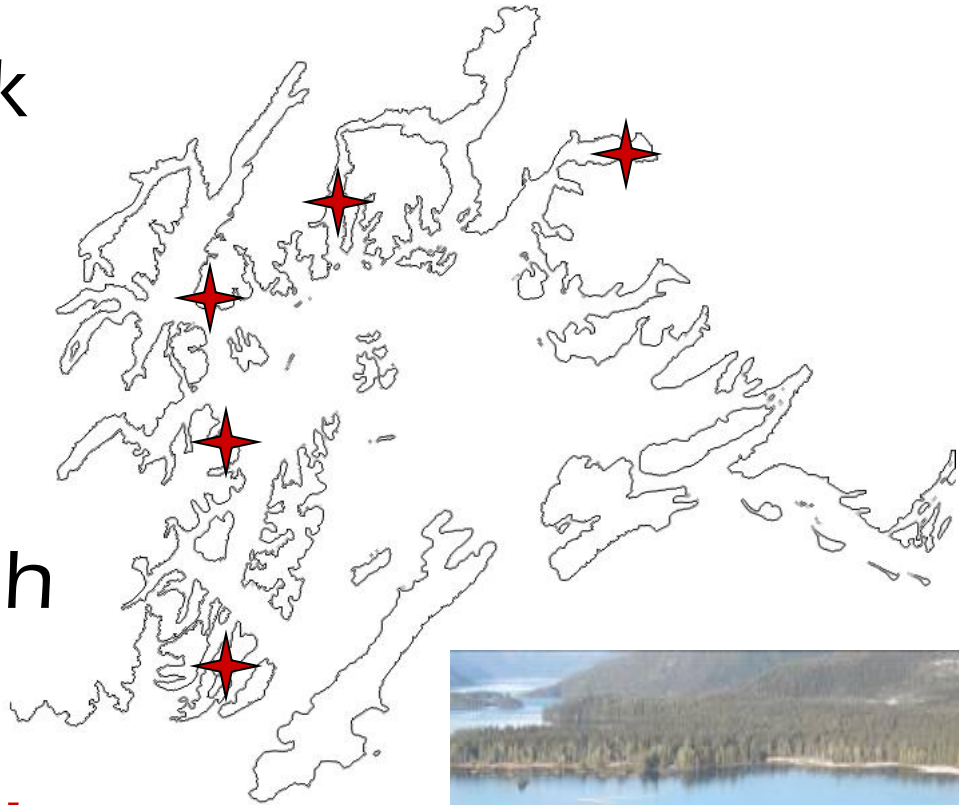


- Tv** = Tanker
- T** = Tug
- Bt** = TransRec Barge
- Bn** = Nearshore Barge
- Bl** = Lightering Barge

- Automated Identification System (AIS) ✦
- Ice Radar (Columbia Glacier) ✦
- PWS Radio Coverage
- IMT call-out software
- Manned 24/7



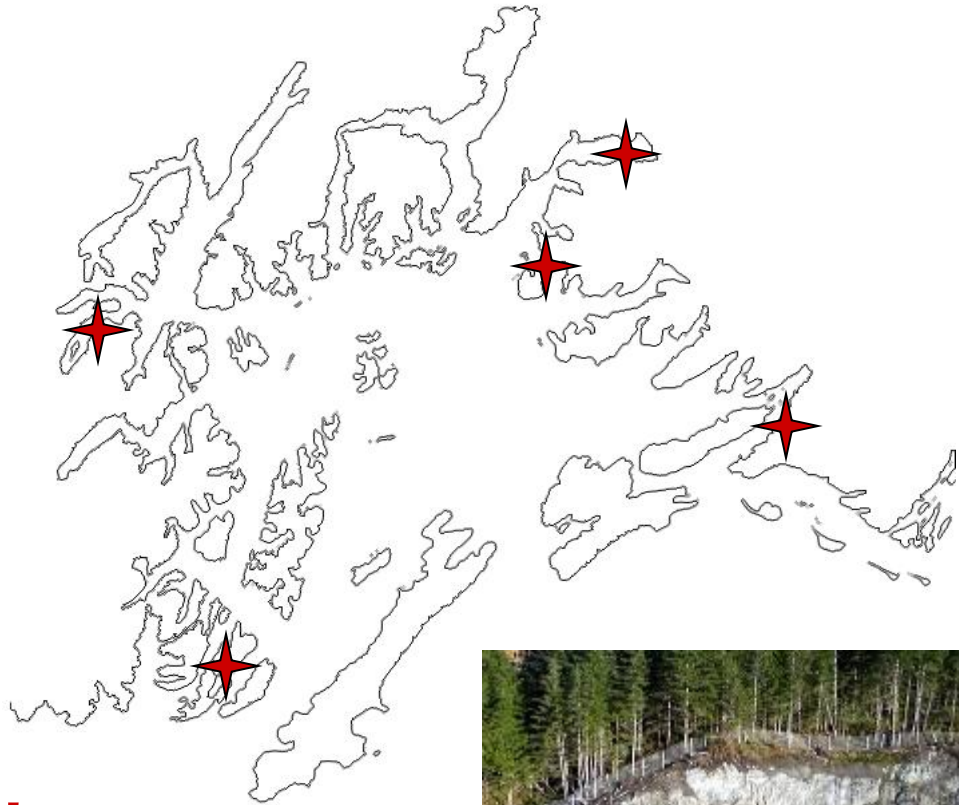
- Cannery Creek
- Chenega Bay
- Lake Bay
- Main Bay
- Solomon Gulch



**Pre-positioned Equipment
Over 50,000 ft of Protective
Boom**



- Chenega Bay
- Cordova
- Tatitlek
- Valdez
- Whittier



**Pre-positioned Equipment
Over 45,000 ft of Protective
Boom**



- **Tier I Vessels**

- 0-6 hours to be underway
- Rapid Response- Four vessels underway in 1 hour
- HAZWOPER and Respirator Trained
- Need: 50 +4 (PWS based)

- **Tier II Vessels**

- 0-24 hours to be underway
- HAZWOPER Trained
- Need: 225 (PWS and outside based)
 - 40 underway in 0-18 hours

- **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
- IMT Call out 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
141 Barrels Recovery Capacity	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?



Andrés Morales

SERVS Director
Alyeska Pipeline Service Company

T. 907.834.6902

C. 907.831.1008

Andres.Morales@Alyeska-Pipeline.com

www.alyeska-pipe.com

