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):**
  - 10 Knots in Port
  - 6 Knots in Narrows
  - 8 Knots to Buoy 9
  - 10 Knots to Precautionary Area
  - 12 Knots in Mid-Sound
  - 10 Knots in Entrance

• **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

| Symbol | Meaning  
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<tr>
<td><strong>Tv</strong></td>
<td>Tanker</td>
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<td><strong>T</strong></td>
<td>Tug</td>
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<td><strong>Bn</strong></td>
<td>Deck Barge</td>
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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

**SERVS**

**Fishing Vessel Program**

- 400+ Vessels under contract
- 1500+ Participants
- Ready work boats
- Local knowledge
- Fishing Vessel Administrators in each community
Drill, Drill, Drill

- 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
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<th><strong>Then</strong></th>
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<tbody>
<tr>
<td><strong>5 Miles of Boom</strong></td>
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<tr>
<td><strong>13 Skimming Units</strong></td>
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<tr>
<td><strong>141 Barrels Recovery Capacity</strong></td>
<td><strong>59,000+ Barrels per hour</strong></td>
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<td><strong>12,000+ Barrels of On-Water Storage Capacity</strong></td>
<td><strong>900,000+ Barrels of On-Water Storage Capacity</strong></td>
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<td><strong>Pre-positioned Equipment Throughout PWS</strong></td>
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<tr>
<td><strong>1 Escort for laden tankers Through the Narrows</strong></td>
<td><strong>2 Escorts for laden tankers Throughout PWS</strong></td>
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Thank you
Questions?

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C. 907.831.1008
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