

**ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
1994 STATEWIDE WATER QUALITY ASSESSMENT**

**NAME OF WATERBODY:** Port Valdez

**Location or Lat/Long:** 61° 05' 26" N 146° 23' 08" W

Is the waterbody in a national or state park, monument, refuge, preserve, or similar area?:

Yes /  No / Name: \_\_\_\_\_

**Waterbody Type:**

- River/Stream
- Lake
- Fresh Wetland
- Tidal Wetland
- Estuary
- Coastal Shoreline
- Groundwater

**Waterbody Size:**

- \_\_\_\_\_ Miles
- \_\_\_\_\_ Acres
- \_\_\_\_\_ Acres
- \_\_\_\_\_ Acres
- 27 Square Miles
- \_\_\_\_\_ Miles

**Segment of Waterbody Addressed:**

From: 1000 Ft NE of Berth 3  
 To: E end of Berth 5; 3500 ft from shore  
 Other Description: Perimeter of BWTM Mixing Zone  
 Size of Segment: Approx. two sq. miles

**Period of Assessment, From:** 1991 **To:** 1993

**Assessment completed by:** Alyeska; Columbia Aquatic Sciences; Northwest Aquatic Sciences, Investigative Science Inc; NOAA.

**Type of Documentation (attach if possible):**

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Water quality data | <input checked="" type="checkbox"/> Written report     |
| <input type="checkbox"/> Documented oil spill          | <input type="checkbox"/> Field notes                   |
| <input type="checkbox"/> NOV / Enforcement action      | <input type="checkbox"/> Overflight                    |
| <input type="checkbox"/> Photos with documentation     | <input type="checkbox"/> Observation                   |
| <input type="checkbox"/> Fish / Habitat survey         | <input type="checkbox"/> Other (please describe below) |

**Assessment based on:**  Monitored water quality data  Evaluated (Best professional judgement)

**Describe Source and Nature of Pollution, Documentation Provided and Other Comments:**

Alyeska Ballast Water Treatment Plant; Point Source discharges of petroleum hydrocarbons, also includes heavy metals.

**RESPONDENT INFORMATION:** RCAC Terminal Operations & Environmental Monitoring Committee

**Name:** Leann Ferry **Phone:** (907) 835-5957 **Date:** March 3, 1994  
**Employer:** RCAC **Dept:** TOEM **Title:** Project Assistant  
**Address:** PO BOX 3089  
**Education/Experience:** \_\_\_\_\_

**TYPES OF POLLUTANTS** (Please indicate relative severity; H= High, M= Medium, S= Slight):

- Cause unknown
  - Unknown toxicity
  - Pesticides: \_\_\_\_\_
  - Priority organics: Benzene
  - Nonpriority organics: petroleum hydrocarbons
  - Metals: ZINC
  - Ammonia
  - Chlorine
  - Other inorganics
  - Nutrients
  - pH
  - Siltation/sedimentation
  - Low dissolved oxygen
  - TDS/Salinity/Chlorides
  - Temperature modifications
  - Flow alterations
  - Other habitat alterations
  - Pathogens
  - Radiation
  - Oil and Grease
  - Taste and odor
  - Suspended solids
  - Noxious aquatic plants
  - Filling and draining
  - Total toxics
  - Turbidity
  - Exotic species
  - Debris, foam, scum, etc.
  - Insufficient stream structure
  - Arsenic
- Other: \_\_\_\_\_

**SOURCES OF POLLUTANTS** (Please indicate relative severity; H= High, M= Medium, S= Slight):

- Point Sources:
- Industrial
- Municipal
- Urban Runoff:
- Storm sewers
- Combined sewers
- Surface runoff
- Agriculture:
- Non-irrigated crop production
- Irrigated crop production
- Pasture land
- Range land
- Feedlots
- Aquaculture
- Animal waste/holding areas
- Manure lagoons
- Silviculture:
- Timber harvest
- Stream restoration projects
- Road construction/maintenance
- Elimination of stream thermal cover
- Log Transfer Facilities (estuary)
- Log Sort Yard (land)
- Construction:
- Highway/road
- Bridge construction/repair
- Land development
- Resource Exploration/extraction:
- Surface mining
- Subsurface mining
- Placer mining
- Dredge mining
- Petroleum activities
- Mill tailings
- Mine tailings
- Gravel mining
- Injection wells
- Waste Disposal:
- Sludge
- Wastewater
- Landfills Industrial land treatment
- Onsite wastewater systems
- Hazardous waste
- Sewage disposal
- Septic tank leak
- Hydrologic Modification:
- Stream channelization
- Dredging
- Dam construction
- Flow regulation/modification
- Bridge construction
- Removal of riparian vegetation
- Streambank modification/destabilization
- Draining/filling of wetlands
- Marinas:
- Small boat harbors (up to 10 slips)
- Harbors (recreational/commercial)
- Loading facilities (commercial)
- Other:
- Atmospheric deposition
- Waste storage tank leaks
- Highway maintenance/runoff
- Petroleum/chemical spills, leaks
- In-place containments
- Natural sources
- Recreational activities
- Upstream impoundment
- Salt storage sites
- Fire damage/restoration
- Underground storage tanks
- Aboveground storage tanks
- Saltwater intrusion
- Road salting
- Fish, shellfish wastes
- UNKNOWN SOURCE