

2-14-00

Derrick Leedy
PO Box 1164
Nome, AK 99762

ADEC
Mr. Drew Grant

On page one of the Year 2000 water quality assessment form under Use Impairment:
Describe possible use impairments to water uses.

Drinking Water-- Anvil Creek had been a traditional source of drinking water in the 60' s through about 1974. There is the possibility that Anvil Creek could be used as a secondary source of drinking water for the City of Nome.

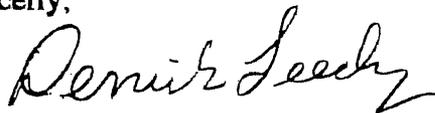
*SUSPECTED
SECONDARY
AREA*

Fishing-- Anvil Creek was (is) important for the spawning, rearing and migration of anadromous fish, such as Dolly Varden, Coho, Pink Salmon and Grayling. Fish and Game Code Sec. 16.05.870 Protection of fish and game. The students and teacher, Ms. Bauer, have raised coho salmon in rearing ponds and have released small fish into Anvil Creek. There is a good potential to use Anvil Creek in a fishery program. Ms. Bauer is employed by Nome Public Schools (907) 443-5201, and Mr. Charlie Lean is with the Nome branch of ADFG (907) 443-2825. He has a lot of information on what has taken place in the Anvil Creek Valley and has been involved in the hatchery program.

The heavy amount of sedimentation occurred in the last 8 years late May and early June just as the anadromous fish fry was emerging from the creekbed gravel. Oxygen was unavailable as the gravel were covered with sediment.

I have also worked with Mr. Joran Freeman who works under an EPA grant for the Office of Environmental Health at our local Hospital, Norton Sound Health Corp. He has evidence and witnessed accounts of water quality violations in Anvil Creek Valley. His work number is (907) 443-3284. Mr. Freeman would be an excellent person to speak to.

Sincerely,



Derrick Leedy

Source and Nature of Pollution, Documentation, and other Comments

Currently there are 2 placer gold mines that are impacting Anvil Creek. 1. Mrs. Betty Krutsch in Specimen Gulch. 2. APP Mining d.b.a. Mr. Bert Pettigrew in the West side of Anvil Mountain. I have collected evidence of problems since 1994. Anvil Creek has been destroyed. ADFG in Nome and Fairbanks have collected water samples in 1998, 1999 and has observed the creek since 1991. There are clear and documented violations of ADEC's Water Quality Standards. I have witnesses, photographs, water test results of pH and NTU's of Anvil Creek and other creeks and rivers in this region. I have established the natural conditions value in NTU's for Anvil Creek. The best evidence is to speak to local ADFG, and to have ADEC come to Nome and look at Anvil Creek and reviewing the evidence. I am sending by fax some of my evidence to Mr. Drew Grant of ADEC. Cindy Godsey of EPA in Anchorage also has data on Anvil Creek. The 2 mines have only done reclamation when they were forced to by DNR or when they received a threat that their leased may not be renewed. — ? (find)

Educational/Experience

B.S. and D.V.M. degrees in 1971 from Michigan State University. I have been a veterinarian in Nome since 1977. I have explored the land and waters around Nome by hiking, backpacking, snowmachine, and boat. Interested in geology. Present member of a City of Nome mayor appointed Task Force. We are reviewing the watershed and will be making recommendations to the city on the security of Nome's Sole Source Aquifer that is our municipal water supply.

Derrick Leedy, D.V.M.
Nome, Alaska

<input type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> H	<input type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> H	<input type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> H
<input type="checkbox"/> Cause unknown	<input type="checkbox"/> Sulfates	<input type="checkbox"/> Pathogens
<input type="checkbox"/> Unknown toxicity	<input type="checkbox"/> Cyanide	<input type="checkbox"/> Radiation
<input type="checkbox"/> Pesticides	<input type="checkbox"/> Other inorganics	<input checked="" type="checkbox"/> Oil and Grease
<input type="checkbox"/> Priority organics	<input type="checkbox"/> Nutrients	<input checked="" type="checkbox"/> Taste and odor
<input type="checkbox"/> Nonpriority organics	<input checked="" type="checkbox"/> pH	<input type="checkbox"/> Suspended solid
<input type="checkbox"/> PCBs	<input type="checkbox"/> Siltation/sedimentation	<input type="checkbox"/> Noxious aquatic
<input type="checkbox"/> Dioxins	<input type="checkbox"/> Low dissolved oxygen	<input type="checkbox"/> Excessive Algae
<input type="checkbox"/> Metals (Zinc, Lead, etc)	<input type="checkbox"/> TDS/Salinity/Chlorides	<input checked="" type="checkbox"/> Total toxics
<input type="checkbox"/> Arsenic	<input checked="" type="checkbox"/> Temperature Modifications	<input type="checkbox"/> Turbidity
<input type="checkbox"/> Ammonia	<input type="checkbox"/> Flow alterations	<input type="checkbox"/> Exotic species
<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other habitat alterations	<input checked="" type="checkbox"/> Debris, foam
		<input type="checkbox"/> Dissolved Inorganic Substances

Other:

A 300 GALLON FUEL TANK FROZEN DOWN IN THE MINING PIT AREA
 APP Mining d.b.a. Has left at the end of last season a 300 gal

Instructions: For each pollutant source(s) designate a severity (impact of the pollutant) of either High (H) Medium (M) or Slight (S) in the check box.

SOURCES OF POLLUTANTS:

S M H

S M H

S M H

Point Sources:

- Industrial
- Municipal
- Storm sewers
- Combined sewers
- Collection System Failure
- Domestic wastewater lagoon

Agriculture:

- Crop related Sources
- Grazing Pasture land
- Grazing Range land
- Feedlots
- Aquaculture
- Animal waste/holding areas
- Manure lagoons

Silviculture:

- H Timber harvest
- H Stream restoration projects
- Forest management
- H Road construction/maintenance
- H Elimination of stream thermal cover
- Log Storage Areas
- Log Transfer Facilities

Construction:

- H Highway/road
- Bridge construction/repair
- Land Development

Resource Exploration/extraction:

- Surface mining

- Subsurface mining H
- Placer mining H
- Dredge mining
- Petroleum activities L
- Mill tailings
- Mine tailings L
- Gravel mining
- Injection wells
- Acid mine drainage
- Abandon mining L
- Inactive mining L

Urban Runoff:

- Surface runoff
- Storm sewers

Waste Disposal:

- Sludge
- Wastewater
- Landfills
- H Inappropriate Waste Disposal
- Groundwater Loadings
- Groundwater Withdrawals
- Industrial land treatment
- Onsite wastewater systems
- H Hazardous waste
- H Sewage disposal
- Septic tanks

Hydrologic Modification:

- Stream channelization
- Dredging

Other:

- Dam construction
- H Flow regulation/modification
- Bridge construction
- H Removal of riparian vegetation
- H Streambank modification
- H Draining/filling of wetlands
- Atmospheric deposition
- Waste storage tank leaks
- Leaking underground storage tanks
- L Highway maintenance/runoff
- L Petroleum/chemical spills
- H In-place containments
- Natural sources
- H Recreational activities
- H Upstream impoundment
- Salt storage sites
- Fire damage/restoration
- Underground storage tanks
- H Aboveground storage tanks
- Saltwater intrusion
- Road salting
- Fish, shellfish wastes
- Military
- Seafood Processing
- Unknown Source
- Other

Type of Documentation (send via Email or snail mail if possible):

- Water quality data
- Physical/chemical monitoring
- Biological monitoring
- Habitat Assessments
- Pathogen Monitoring
- Toxicity testing
- Documented oil spill
- NOV / Enforcement action

Chemical monitoring of sediments

Ecological/habitat surveys

Visual

Shellfish surveys

Toxicity testing of sediments

- Photos with documentation
- Photos without documentation
- Written report
- Field notes
- Overflight
- Observation
- Other

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

Natural conditions NUGS for Anvil Creek. The best evidence is to speak to local ADFG, and to have ADEC come to Nome and look at Anvil Creek. I am sending by fax some of my evidence to ADEC, Mr. Drew Grant. Also EPA (Anchorage), Cindy Godsey has reports on Anvil Creek. Local residents are upset with what has happened to Anvil Creek. The mines have only done reclamation when they were force to by DNR or when they received a threat that their leases may not be renewed.

RESPONDENT INFORMATION:

Name: Phone: ex. (907) - 123 - 4567 Date: MM/DD/YY

(If applicable)
 Employer: Dept: Title:

Mailing Address:

City: Other City: State: Zip Code:

Email:

Education/Experience:

Instructions: For each pollutant affecting water quality, designate a severity (impact of the pollutant) of either High Medium (M) or Slight (S) in the check box.

TYPE AND SEVERITY OF POLLUTANTS AND SOURCES: