

ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION

1989 NONPOINT SOURCE WATER QUALITY ASSESSMENT

LONG FORM

\*\*\* WATERBODY \*\*\*

Name of Waterbody: Turnaround Creek

Location or Lat/Long: near SITKA 57°03'35" 135°20'45"

Waterbody Type:

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

Waterbody Size:

- 1 Miles
- Acres/Hectares
- Acres/Hectares
- Square Miles
- Square Miles

ADEC USE ONLY

304: N L M S  
WQL: 0 - N  
1 - PS  
2 - NPS  
3 - WQS  
4 - Con/Ent  
ID#: \_\_\_\_\_

Segment of Waterbody Addressed:

From: \_\_\_\_\_

To: \_\_\_\_\_

Other Description: \_\_\_\_\_

Size of Segment: \_\_\_\_\_

USGS Hydrologic Unit #: AK 190 10203-017

\*\*\* ASSESSMENT \*\*\*

Describe Source of Pollution and Documentation Provided:

Howard metsker 1980 USFWS Annual Report Environmental Contaminants report  
Stream drains City Landfill Water Quality has improved since  
city took measures to regulate leachates, siltation.

Type of Documentation (Attached if Possible):

- Water quality data
- Documented oil spill
- Enforcement action
- Photos with documentation
- Photos without documentation
- Written report
- Field notes
- Overflight
- Observation
- Other

Assessment type:

- Monitored
- Evaluated

Violation of Water Quality Standards:

- Past Violation Documented
- Current Violation Documented
- Current Violation Suspected
- Future Violation Projected

Waterbody Status:

- Impaired - Past
- Impaired - Current
- Suspected
- Unimpaired

Comments: SEE ATTACHED

Author of This Assessment: C. KEUT

Affiliation: ADEC

Date: 89 09  
YY/MM

**Meets Clean Water Act Goals:**

- |                                                  |                                                   |
|--------------------------------------------------|---------------------------------------------------|
| <input checked="" type="checkbox"/> Fishable     | <input checked="" type="checkbox"/> Swimmable     |
| <input type="checkbox"/> Not Fishable            | <input type="checkbox"/> Not Swimmable            |
| <input type="checkbox"/> Fishable Not Attainable | <input type="checkbox"/> Swimmable Not Attainable |

**Impaired Uses:**

FRESHWATER

- Drinking
- Agriculture
- Aquaculture
- Industry
- Recreation, Contact
- Recreation, Secondary
- Fish, Shellfish, Wildlife

MARINE

- Aquaculture
- Seafood Processing
- Industry
- Recreation, Contact
- Recreation, Secondary
- Fish, Shellfish, Wildlife
- Harvest of Fish, Shellfish

**Support of Designated Uses:**

- One or More Uses Not Supported (Impaired)
- One or More Uses Partially Supported (Partially Impaired)
- One or More Uses Suspected to Be Affected (Suspected)
- One or More Uses Projected to Become Affected (Projected)
- All Uses Fully Supported, sources present (Unimpaired)
- All Uses Fully Supported, no sources present (Unimpaired)

**Trophic Status:**

- Oligatrophic
- Mesatrophic
- Eutrophic
- Hypereutrophic
- Dystrophic
- Unknown

**Trophic Trend**

- Improving
- Stable
- Deteriorating

\*\*\* TOXICS \*\*\*

Monitored for Toxics:  Yes  No

**Type of Toxics Monitoring:**

- |                                                                 |                                                              |
|-----------------------------------------------------------------|--------------------------------------------------------------|
| <input checked="" type="checkbox"/> 1 Organics in water column  | <input type="checkbox"/> 10 Metals in sediments              |
| <input type="checkbox"/> 2 Organics in sediments                | <input checked="" type="checkbox"/> 11 Metals in fish tissue |
| <input checked="" type="checkbox"/> 3 Organics in fish tissue   | <input type="checkbox"/> 12 Metals in discharges             |
| <input type="checkbox"/> 4 Organics in discharges               | <input type="checkbox"/> 13 Other inorganics in water column |
| <input type="checkbox"/> 5 Pesticides in water column           | <input type="checkbox"/> 99 Other inorganics in sediments    |
| <input type="checkbox"/> 6 Pesticides in sediments              | <input type="checkbox"/> 99 Other inorganics in fish tissue  |
| <input checked="" type="checkbox"/> 7 Pesticides in fish tissue | <input type="checkbox"/> 14 Other inorganics in discharges   |
| <input type="checkbox"/> 8 Pesticides in discharges             | <input type="checkbox"/> 15 Toxicity testing of water column |
| <input checked="" type="checkbox"/> 9 Metals in water column    | <input type="checkbox"/> 16 Toxicity testing of sediments    |
|                                                                 | <input type="checkbox"/> 17 Toxicity testing of discharges   |

**Fish and Shellfish Contamination:**

- 0 None detected
- 1 Contaminated fish
- 2 Fishing advisory
- 3 Fishing ban
- 4 Fish abnormalities
- 5 Shellfish restrictions due to pathogens
- 6 Fish kill

Pollutants: (H = High, M = Medium, S = Slight)

- |                                                  |                                                               |                                                             |
|--------------------------------------------------|---------------------------------------------------------------|-------------------------------------------------------------|
| <input type="checkbox"/> 0 Cause Unknown         | Type _____                                                    |                                                             |
| <input type="checkbox"/> 1 Unknown toxicity      | Type _____                                                    |                                                             |
| <input type="checkbox"/> 2 Pesticides            | Type _____                                                    |                                                             |
| <input type="checkbox"/> 3 Priority organics     | Type _____                                                    |                                                             |
| <input type="checkbox"/> 4 Nonpriority organics  | Type _____                                                    |                                                             |
| <input checked="" type="checkbox"/> 5 Metals     | Type _____                                                    |                                                             |
| <input type="checkbox"/> 6 Ammonia               | <input checked="" type="checkbox"/> 12 Organic enrichment     | <input type="checkbox"/> 18 Radiation                       |
| <input type="checkbox"/> 7 Chlorine              | <input checked="" type="checkbox"/> 13 Salinity/TDS/Chlorides | <input checked="" type="checkbox"/> 19 Oil and Grease       |
| <input type="checkbox"/> 8 Other inorganics      | <input type="checkbox"/> 14 Thermal modifications             | <input checked="" type="checkbox"/> 20 Taste and Odor       |
| <input type="checkbox"/> 9 Nutrients             | <input checked="" type="checkbox"/> 15 Flow alteration        | <input checked="" type="checkbox"/> 21 Suspended solids     |
| <input type="checkbox"/> 10 pH                   | <input type="checkbox"/> 16 Habitat alteration                | <input type="checkbox"/> 22 Noxious aquatic plants          |
| <input checked="" type="checkbox"/> 11 Siltation | <input type="checkbox"/> 17 Pathogens                         | <input checked="" type="checkbox"/> 23 Filling and draining |

Sources of Pollutants: (H = High, M = Medium, S = Slight)

Point Sources

- 1 Industrial
- 2 Municipal
- 3 Municipal pretreatment
- 4 Combined sewers
- 5 Storm sewers
- 6 Other dischargers

Resource extraction/exploration

- 51 Surface mining
- 52 Subsurface mining
- 53 Placer mining
- 54 Dredge mining
- 55 Petroleum activities
- 56 Mill tailings
- 57 Mine tailings

Nonpoint Sources

- 9 Unspecified

Land Disposal (Permitted Activities)

- 61 Sludge
- 62 Wastewater
- 63 Landfills
- 64 Industrial land treatment
- 65 Onsite wastewater systems
- 66 Hazardous waste
- 67 Septage disposal

Agriculture

- 11 Non-irrigated crop production
- 12 Irrigated crop production
- 13 Specialty crop production
- 14 Pasture land
- 15 Range land
- 16 Feedlots
- 17 Aquaculture
- 18 Animal holding areas
- 19 Manure lagoons

Hydrologic Modification

- 71 Channelization
- 72 Dredging
- 73 Dam construction
- 74 Flow regulation/modification
- 75 Bridge construction
- 76 Removal of riparian vegetation
- 77 Streambank modification
- 78 Draining/filling of wetlands

Silviculture

- 21 Harvest, restoration
- 22 Forest management
- 23 Road construction/maintenance

Construction

- 31 Highway/road/bridge
- 32 Land development

Other

- 81 Atmospheric deposition
- 82 Waste storage/storage tank leaks
- 83 Highway maintenance and runoff
- 84 Spills
- 85 In-place contaminants
- 86 Natural
- 87 Recreational activities
- 88 Upstream impoundment
- 89 Salt storage sites
- 99 Septic tank seepage

Urban Runoff

- 41 Storm sewers
- 42 Combined sewers
- 43 Surface runoff

Source Unknown

- 90 Source Unknown

DESCRIBE POLLUTANTS AND POLLUTANT SOURCES. THE BASIS FOR THE DETERMINATION THAT A WATERBODY IS IMPAIRED MUST BE EXPLAINED IN THIS SECTION. DESCRIBE THE NATURE OF THE VIOLATION OF WATER QUALITY STANDARDS, INCLUDING DATA OR OTHER DOCUMENTATION IN RELATION TO STANDARDS. ALSO DESCRIBE WHETHER THE VIOLATION IS CONSIDERED PAST OR CURRENT, AND OTHER RELEVANT INFORMATION.

See Attached

Lined area for handwritten comments.

**Point Sources:**

NPDES Permit Number: \_\_\_\_\_  
NPDES Permit Name: \_\_\_\_\_  
Causes Nonattainment:  Yes  No  
Pollutant: \_\_\_\_\_

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NPDES Permit Name: \_\_\_\_\_  
Causes Nonattainment:  Yes  No  
Pollutant: \_\_\_\_\_

**Nonpoint Sources:**

Nonpoint Source Name: \_\_\_\_\_  
Nonpoint Source Type: \_\_\_\_\_  
Nonpoint Source Description: \_\_\_\_\_

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