

ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION

1989 NONPOINT SOURCE WATER QUALITY ASSESSMENT

LONG FORM

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

Name of Waterbody: SINUK RIVER

Location or Lat/Long: MILE 26 NOME TELLER ROAD

Waterbody Type:

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

Waterbody Size:

- \_\_\_\_\_ Miles
- \_\_\_\_\_ Acres/Hectares
- \_\_\_\_\_ 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: 1/2 mile upstream & downstream of Nome Teller Rd crossing.  
 Size of Segment: 1 mile

USGS Hydrologic Unit #: AK 190 50104-014

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

Describe Source of Pollution and Documentation Provided:

Gravel mining occurs downstream of bridge - surface scraping operation has occurred, mining it down below the water table. Every high water event causes nonpoint source pollution from erosion of banks.  
Old diversion dikes of DOT get blown out during high water, allowing gravel to fill in.

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: Field observations by ADFG every year since 1977.  
DOT responsible for correcting problem before they can receive Corps permit.

Author of This Assessment: S. Bralley Affiliation: ADEC/wqm Date: 89/09  
 YY/MM

**Meets Clean Water Act Goals:**

- Fishable
- Not Fishable
- Fishable Not Attainable
- Swimmable
- Not Swimmable
- Swimmable Not Attainable

SUSPECT

**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:**

- Oligotrophic
- Mesotrophic
- N/A  Eutrophic
- Hypereutrophic
- Dystrophic
- Unknown

**Trophic Trend**

- Improving
- Stable
- Deteriorating

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

Monitored for Toxics:  Yes  No

**Type of Toxics Monitoring:**

- 1 Organics in water column
- 2 Organics in sediments
- 3 Organics in fish tissue
- 4 Organics in discharges
- 5 Pesticides in water column
- 6 Pesticides in sediments
- 7 Pesticides in fish tissue
- 8 Pesticides in discharges
- 9 Metals in water column
- 10 Metals in sediments
- 11 Metals in fish tissue
- 12 Metals in discharges
- 13 Other inorganics in water column
- 99 Other inorganics in sediments
- 99 Other inorganics in fish tissue
- 14 Other inorganics in discharges
- 15 Toxicity testing of water column
- 16 Toxicity testing of sediments
- 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         |   |  |
| <input type="checkbox"/> 1 Unknown toxicity      |   |  |
| <input type="checkbox"/> 2 Pesticides            | Type _____  |  |
| <input type="checkbox"/> 3 Priority organics     | Type _____  |  |
| <input type="checkbox"/> 4 Nonpriority organics  | Type _____  |  |
| <input type="checkbox"/> 5 Metals                | Type _____  |  |
| <input type="checkbox"/> 6 Ammonia               |   |  |
| <input type="checkbox"/> 7 Chlorine              | <input type="checkbox"/> 12 Organic enrichment            | <input type="checkbox"/> 18 Radiation              |
| <input type="checkbox"/> 8 Other inorganics      | <input type="checkbox"/> 13 Salinity/TDS/Chlorides        | <input type="checkbox"/> 19 Oil and Grease         |
| <input type="checkbox"/> 9 Nutrients             | <input type="checkbox"/> 14 Thermal modifications         | <input type="checkbox"/> 20 Taste and Odor         |
| <input type="checkbox"/> 10 pH                   | <input checked="" type="checkbox"/> 15 Flow alteration    | <input type="checkbox"/> 21 Suspended solids       |
| <input checked="" type="checkbox"/> 11 Siltation | <input checked="" type="checkbox"/> 16 Habitat alteration | <input type="checkbox"/> 22 Noxious aquatic plants |
|  | <input type="checkbox"/> 17 Pathogens                     | <input 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 - gravel
- 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.

DOT gravel extraction for highway maintenance has caused 2-fold problem:

1) Diversion of dykes by DOT (20 years old). During high water, those berms blow out, introducing fine gravel - causes river bed to fan out & shallow out. Habitat & physical hydrologic problem.

2) Downstream of bridge. Materials extraction (1/4 mi wide, 1/2 mile long), surface scraping operation - at or below high water mark. Result fans water out & levels out. Fine materials mixed in. Annually scraped out, so every high water event caused NPS pollution, scouring material which is carried downstream and deposited.

**Point Sources:**

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

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

**Nonpoint Sources:**

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

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

ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION

1989 NONPOINT SOURCE WATER QUALITY ASSESSMENT

SHORT DATA FORM

Name of Waterbody: Smuk R

Location or Lat/Long: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Waterbody Type:

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

Waterbody Size:

- \_\_\_\_\_ Miles
- \_\_\_\_\_ Acres/Hectares
- \_\_\_\_\_ Acres/Hectares
- \_\_\_\_\_ Acres/Hectares
- \_\_\_\_\_ Square Miles
- \_\_\_\_\_ Square Miles

Segment of Waterbody Addressed:

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

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

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

Size of Segment: 1/2 mile upstream, 1/4 mile downstream

Describe Source of Pollution and Documentation Provided:

1) Diversion dikes by DOT (20 years old). During high water, those berms blow out & introduce fine gravel - so river bed fans out & shallows out. Habitat & physical hydrologic problem.  
2) Downstream of bridge. Materials extraction (1/4 mile wide, 1/2 mile long) surface scraping operation - at or below high water. Results fans water load & levels out. Fine materials mixed in. Annually scraped, so every high water event caused NPS.

Type of Documentation (attached if possible):

- |   |   |
|---|---|
| <input type="checkbox"/> Water quality data                   | <input type="checkbox"/> Written report         |
| <input type="checkbox"/> Documented oil spill                 | <input checked="" type="checkbox"/> Field notes |
| <input type="checkbox"/> NOV, Enforcement action              | <input type="checkbox"/> Overflight             |
| <input checked="" type="checkbox"/> Photos with documentation | <input checked="" type="checkbox"/> Observation |
| <input type="checkbox"/> Photos without documentation         | <input type="checkbox"/> Other                  |

Comments:

Documented to DOT & Corps of Engineers. DOT is trying to correct the problem so they can receive COE permit.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Author of This Assessment: Bob MacLean Affiliation: Fairbanks ADEG Date: 7/20/89  
 (per phone conversation w/Susan Bralley-ADEC)

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

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

- 31 Highway/road/bridge
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- 81 Atmospheric deposition
- 82 Waste storage/storage tank leaks
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- 87 Recreational activities
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- 89 Salt storage sites
- 99 Septic tank seepage

Urban Runoff

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

Source Unknown

- 90 Source Unknown

ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION

1989 NONPOINT SOURCE WATER QUALITY ASSESSMENT

SHORT DATA FORM

Name of Waterbody: Sink R

Location or Lat/Long: Teller

Waterbody Type:

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

Waterbody Size:

- \_\_\_\_\_ Miles
- \_\_\_\_\_ Acres/Hectares
- \_\_\_\_\_ Acres/Hectares
- \_\_\_\_\_ Acres/Hectares
- \_\_\_\_\_ Square Miles
- \_\_\_\_\_ Square Miles

Segment of Waterbody Addressed:

From: Nome Teller Road

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

Other Description: Mile 26

Size of Segment: ~1 mile long, 400 ft wide. 1/2 mile up & downstream.

Describe Source of Pollution and Documentation Provided:

Mining ops to side of river but mined it down below the water table. At high water ops caused - erosion of banks.

Type of Documentation (attached if possible):

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

Comments: Field observations done '87, every year since 1979.

DOT depleted gravel around river. No reclamation done after. Still a problem.  
High water event causes scouring of material which is carried downstream & deposited.  
(Bob McLean too)

Author of This Assessment: Al Townsend

Affiliation: ADFG

Date: 7-14-89

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

- |  |  |  |
|--|--|--|
| <input type="checkbox"/> 0 Cause Unknown         |  |  |
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| <input type="checkbox"/> 6 Ammonia               | <input type="checkbox"/> 12 Organic enrichment     | <input type="checkbox"/> 18 Radiation              |
| <input type="checkbox"/> 7 Chlorine              | <input type="checkbox"/> 13 Salinity/TDS/Chlorides | <input type="checkbox"/> 19 Oil and Grease         |
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| <input type="checkbox"/> 9 Nutrients             | <input type="checkbox"/> 15 Flow alteration        | <input type="checkbox"/> 21 Suspended solids       |
| <input type="checkbox"/> 10 pH                   | <input type="checkbox"/> 16 Habitat alteration     | <input type="checkbox"/> 22 Noxious aquatic plants |
| <input type="checkbox"/> 11 Siltation            | <input type="checkbox"/> 17 Pathogens              | <input type="checkbox"/> 23 Filling and draining   |

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

Point Sources

- 1 Industrial
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- 86 Natural
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- 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

ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION

1988 STATEWIDE WATER QUALITY ASSESSMENT

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

Name of Waterbody: Sinuk R.

Type/Size:  River/Stream \_\_\_\_\_ Miles  
 Lake \_\_\_\_\_ Acres/Hectares  
 Fresh Wetland \_\_\_\_\_ Acres/Hectares  
 Tidal Wetland \_\_\_\_\_ Acres/Hectares  
 Estuary \_\_\_\_\_ Square Miles  
 Coastal Shoreline \_\_\_\_\_ Miles  
 Groundwater \_\_\_\_\_

USGS Hydrological Unit #: 190- 50104

Location or Lat/Long: Teller

Is the waterbody in a national or state park, monument, refuge, preserve, or similar area?:  Yes ,  No , Name \_\_\_\_\_

AK  
190  
ID#: 50104-014  
3041: N  L M S  
WQL: 0 - N  
1 - PS  
2 - NPS  
3 - WQS  
4 - Con/Enf  
Stat:  I T U  
[ADEC Use Only]

Gm

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

Assessment Date: Yr \_\_\_\_\_ , Mo \_\_\_\_\_ / By R<sup>2</sup> ADEC / Townsend ADFG

Sampling: Begin Yr \_\_\_\_\_ , Mo \_\_\_\_\_ / End Yr \_\_\_\_\_ , Mo \_\_\_\_\_ / By \_\_\_\_\_

Reference for Data: \_\_\_\_\_

Basis for Assessment: Assessment Category:

<input type="checkbox"/> 1 Qualitative, land use/sources <input type="checkbox"/> 1 Qualitative, complaints/2nd hand <input type="checkbox"/> 2 Predictive models, unverified <input type="checkbox"/> 3 Calibrated models <input type="checkbox"/> 4 Fixed station data, Bio or Chem <input type="checkbox"/> 5 Effluent toxicity testing <input type="checkbox"/> 6 Limited site visit <input type="checkbox"/> 7 Intensive field assessment	<input type="checkbox"/> Monitored (Data) <input type="checkbox"/> Evaluated (Judgement)
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Next Planned Assessment: Yr \_\_\_\_\_ , Mo \_\_\_\_\_ / By \_\_\_\_\_

Comments: definitely impaired 1 mile  
each side of Teller Rd. crossing

Size-A Size-M Support Partial Not-Sup Cause-? Size-10 Size-No Why?



**Meets Clean Water Act Goals:**

- |  |   |
|--|---|
| <input type="checkbox"/> Fishable                | <input 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 or Threatened Uses:**

IMP THR - FRESHWATER

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

IMP THR - MARINE

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

**Support of Designated Uses:**

- All Uses Fully Supported, no sources present
- All Uses Fully Supported, sources present
- One or More Uses Threatened
- One or More Uses Partially Supported
- One or More Uses Not Supported

**Trophic Status:**

- Oligotrophic
- Mesotrophic
- Eutrophic
- Hypereutrophic
- Dystrophic
- Unknown

**Trophic Trend:**

- Improving
- Stable
- Deteriorating

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

Monitored for Toxics:  Yes ,  No

**Type of Toxics Monitoring:**

- |   |  |
|---|--|
| <input type="checkbox"/> 1 Organics in water column   | <input type="checkbox"/> 10 Metals in sediments              |
| <input type="checkbox"/> 2 Organics in sediments      | <input type="checkbox"/> 11 Metals in fish tissue            |
| <input 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  |
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Pollutants: (H = High, M = Medium, S = Slight)

- |   |   |  |
|---|---|--|
| <input type="checkbox"/> 1 Unknown toxicity     |   |  |
| <input type="checkbox"/> 2 Pesticides           | Type  | _____  |
| <input type="checkbox"/> 3 Priority organics    | Type  | _____  |
| <input type="checkbox"/> 4 Nonpriority organics | Type  | _____  |
| <input type="checkbox"/> 5 Metals               | Type  | _____  |
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| <input type="checkbox"/> 11 Siltation           | <input type="checkbox"/> 17 Pathogens             | <input type="checkbox"/> 23 Filling and draining   |

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

Point Sources

- 1 Industrial
- 2 Municipal
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- 4 Combined sewers
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Nonpoint Sources

- 9 Unspecified

Agriculture

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Silviculture

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Urban Runoff

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**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

\*\*\* POINT AND NONPOINT SOURCES \*\*\*

**Point Sources:**

- 1 NPDES Permit Number: \_\_\_\_\_  
NPDES Permit Name: \_\_\_\_\_  
Causes Nonattainment:  Yes ,  No , Pollutant \_\_\_\_\_
  
- 2 NPDES Permit Number: \_\_\_\_\_  
NPDES Permit Name: \_\_\_\_\_  
Causes Nonattainment:  Yes ,  No , Pollutant \_\_\_\_\_
  
- 3 NPDES Permit Number: \_\_\_\_\_  
NPDES Permit Name: \_\_\_\_\_  
Causes Nonattainment:  Yes ,  No , Pollutant \_\_\_\_\_

**Nonpoint Sources:**

- 1 Nonpoint Source Name: \_\_\_\_\_  
Nonpoint Source Type: \_\_\_\_\_  
Nonpoint Source Description: \_\_\_\_\_  
\_\_\_\_\_
  
- 2 Nonpoint Source Name: \_\_\_\_\_  
Nonpoint Source Type: \_\_\_\_\_  
Nonpoint Source Description: \_\_\_\_\_  
\_\_\_\_\_
  
- 3 Nonpoint Source Name: \_\_\_\_\_  
Nonpoint Source Type: \_\_\_\_\_  
Nonpoint Source Description: \_\_\_\_\_  
\_\_\_\_\_





