## Form Information

JD Form Type: Perennial

## Project Location and Background Information

| | |
|---|---|
| State | AK - Alaska |
| County/parish/borough | Yukon-Koyukuk |
| City | Livengood |
| Lat | 65.5097 |
| Long | -148.5222 |
| Nearest Waterbody | Livengood Creek |
| TNW into which the aquatic resource flows | Tolovana River |
| Watershed or HUC | |
| Map or diagram available | ■ (Review or Jurisdictional Area) |
| JD recorded associated sites? | ■ (e.g., offsite mitigation sites, disposal sites, etc¿) |
| Universal Transverse Mercator: | [ ] |

## Form Characteristics

Each characteristic may or may not be available depending on the form type chosen.

## Perennial Form

Instructions: Click Next to associate the pre-populated dates to your form. To change the dates, click in the field to access the calendar and select your new date(s). Click Next to continue.

**Dates**

JD Sequence: 1

■ Office Determination Date 03-Apr-2008

■ Field Determination Date(s)

Request Date 04-Feb-2008

**Offsite**

Area

Linear

Limits basis [1987 Wetlands Delineation Manual]

OHWM Elevation (if known)

# POA-2007-01395 JD1

## Selected Water

**Folder** POA-2007-01395
**Form** JD1
**Name** POA-2007-1395, Livengood Creek

## Determination

**Type** Relatively Permanent Waters (RPWs) that flow directly or indirectly into TNWs
**Area** 849.83976
**Flow** Perennial Flow
**Flow Rationale** Livengood Creek carries water year-round, although it is frozen in winter. Livengood Creek flows into Tolovana River, a TNW on the Alaska District¿s Approved list of Navigable Waters.

## Physical Characteristics

**Relationship with TNW**
Tributary stream order: 1

**General Tributary Characteristics**
Tributary

- ■ Natural
- ■ Artificial (man-made).
- ■ Manipulated (man-altered).

Tributary properties with respect to top of bank (estimate):
Average Width
Average Depth
Average Side Slopes []

Primary tributary substrate composition

- ■ Silts
- ■ Sands
- ■ Concrete
- ■ Cobbles
- ■ Gravel
- ■ Muck
- ■ Bedrock
- ■ Vegetation
- ■ Other

Tributary has (check all that apply):
Describe the tributary condition/stability (e.g., highly eroding, sloughing banks)
Describe the presence of run/riffle/pool complexes
Tributary geometry []
Tributary gradient % (approximate average slope)

**Flow**

Flow Type: Perennial Flow
# of flow events [ ] (Estimate average number of flow events in review area/year)
Describe flow regime

Other information on duration and volume

Surface flow [ ]
Characteristics:
Subsurface Flow [ ]
Explain Findings

- ■ Dye (or other) test performed
- ■ Bed and banks
- ■ OHWM (Check all indicators that apply):
  - ■ clear, natural line impressed on the bank
  - ■ changes in the character of soil
  - ■ shelving
  - ■ vegetation matted down, bent, or absent
  - ■ leaf litter disturbed or washed away
  - ■ sediment deposition
  - ■ water staining
  - ■ other (list):
  - ■ the presence of litter and debris
  - ■ destruction of terrestrial vegetation
  - ■ the presence of wrack line
  - ■ sediment sorting
  - ■ scour
  - ■ multiple observed or predicted flow events
  - ■ abrupt change in plant community

■ Discontinuous OHWM

If factors other than the OHWM were used to determine lateral extent of CWA jurisdiction (check all that apply):

- ■ High Tide Line indicated by
  - ■ oil or scum line along shore objects
  - ■ fine shell or debris deposits (foreshore)
  - ■ physical markings/characteristics
  - ■ tidal gauges
  - ■ other (list):
- ■ Mean High Water Mark indicated by
  - ■ survey to available datum;
  - ■ physcial markings;
  - ■ vegetation lines/changes in vegetation types.

## Chemical Characteristics

Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.).
Identify specific pollutants, if known

## Biological Characteristics

Channel/Wetland supports (check all that apply):

- ■ Riparian corridor
- ■ Wetland fringe
- ■ Habitat for
  - ■ Federally Listed species
  - ■ Fish/spawn areas
  - ■ Other environmentally-sensitive species

- Aquatic/wildlife diversity