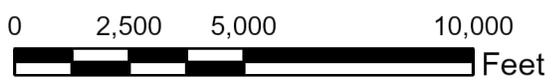


State of Alaska, Esri, TomTom, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, USFWS, Compiled by the Bureau of Land Management Head Quarters (HQ), Esri, NASA, NOAA, USGS

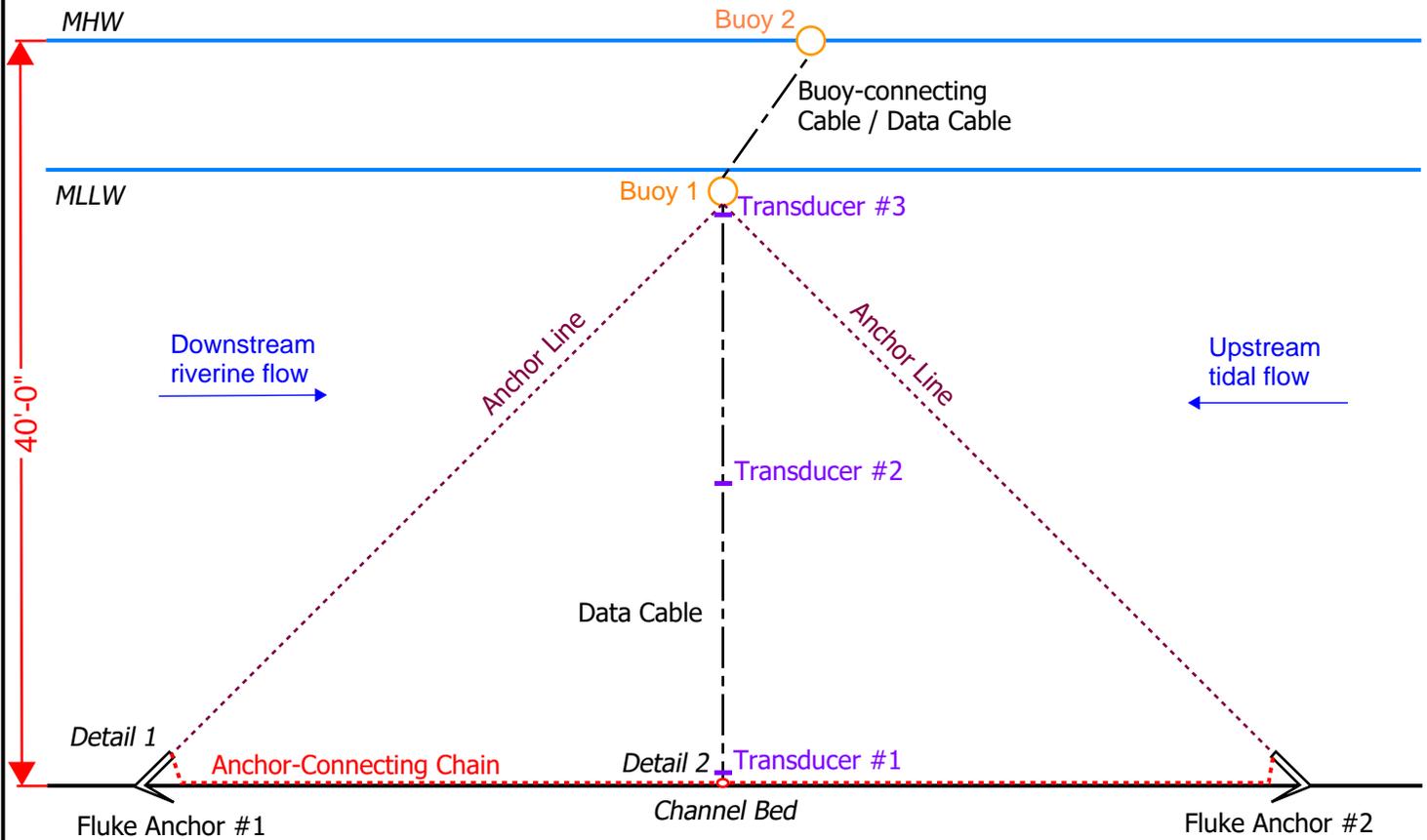
**Proposed deployment location of monitoring station is in the approximate center of the channel at the river stations shown.**



- Kipnuk
- PLSS Township
- PLSS Section
- Monitoring Stations

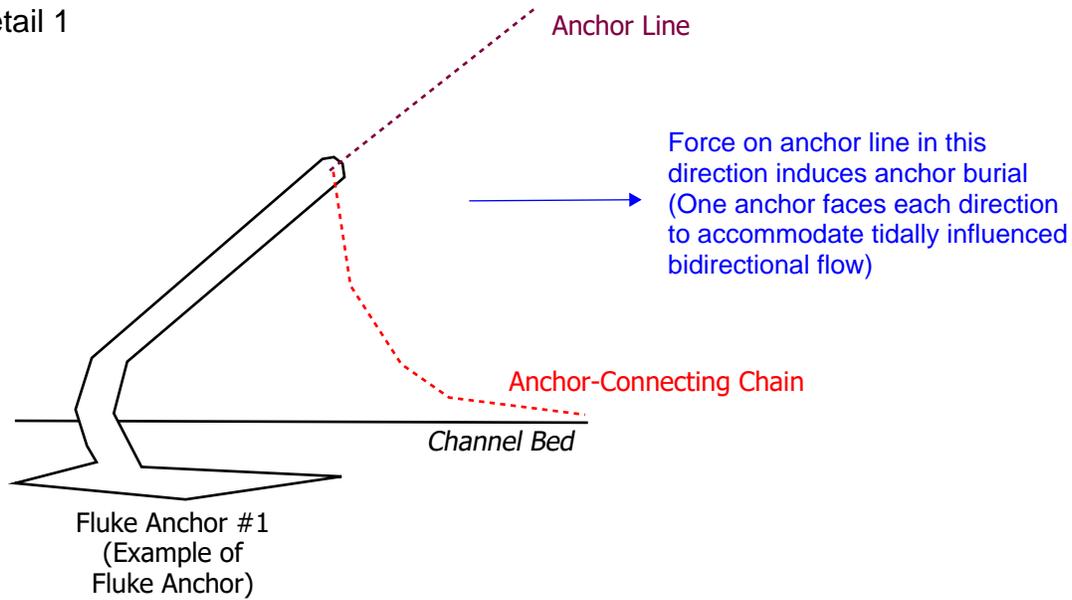
Date Prepared: 3/26/2025		Applicant's Name: Andrew Toman	
<b>Alaska Department of Natural Resources Division of Mining, Land &amp; Water Land Use Permit Site Development Diagram</b>			
Sec(s): 10	T: 3S	R: 86W	M: Seward
Sheet 1 of 1	LAS # 35511		

- Notes:
- MHW = **Mean High Water: 6.4ft NAVD88 (GEOID12B)**
  - MLLW = **Mean Lower Low Water: -0.5ft NAVD88 (GEOID12B)**
  - Buoy 1 (18" proposed diameter) provides flotation for the mooring line and is not planned to float on the surface
  - Buoy 2 (18" proposed diameter) provides navigation guidance for vessels around the monitoring station
  - Transducers are equally distributed along data cable (1 at channel bed, 1 between bed and MLLW, 1 below MLLW)
  - As tide rises to MHW, Buoy 2 rises more to stay on surface while Buoy 1 stays at a point roughly below MLLW.
  - Anchors are "fluke-style" that are connected with a horizontal chain across channel bed

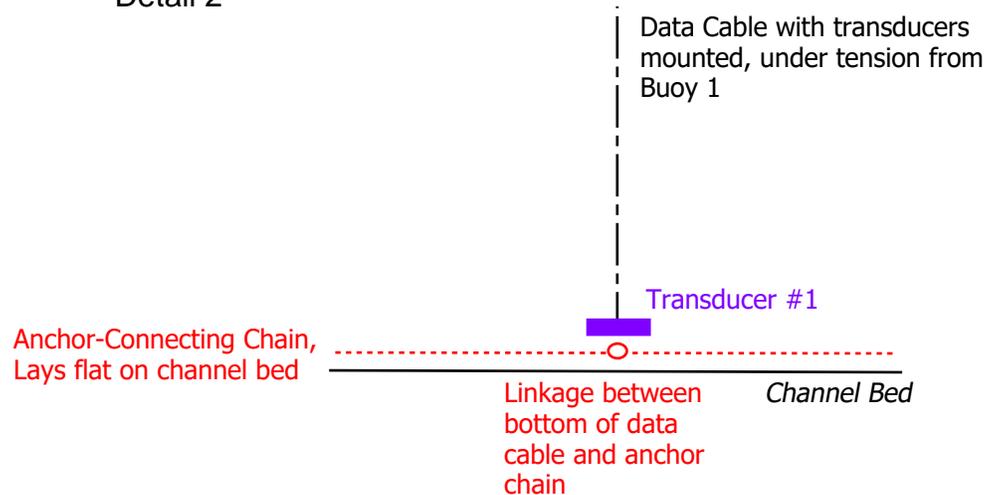


**Kipnuk Monitoring Stations Plan View**  
 Applicant: Alaska Native Tribal Health Consortium  
 File No.:  
 Waterway: Kuguklik River  
 Proposed Activity: Scientific Riverine Monitoring Stations (all equipment in-channel)  
 Section: 10, Township: 3S, Range: 86W, Meridian: Seward  
 Lat: 59.943875N Long: -164.043894W  
 Sheet 3 of 4 Date: 4/17/2025

Detail 1



Detail 2



**Kipnuk Monitoring Stations Plan View**

Applicant: Alaska Native Tribal Health Consortium

File No.:

Waterway: Kuguklik River

Proposed Activity: Scientific Riverine Monitoring Stations (all equipment in-channel)

Section: 10, Township: 3S, Range: 86W, Meridian: Seward

Lat: 59.943875N

Long: -164.043894W

Sheet 4 of 4

Date: 4/17/2025