

The Alaska Forum Environmental Training and
Apprentice Program



**GPS and GIS Basics for
Environmental Managers
and Technicians**

November 30, 2018

8:30 am - 4:00 pm (Lunch provided)

206 E. Fireweed Ln., Ste 201*

ALASKA FORUM
ENVIRONMENTAL TRAINING

Training offered as part of the 2018 Alaska Tribal Conference for Environmental Management

This full day event provides an introduction to basic GPS and GIS principles through hands-on exercises. Participants will work in teams, using hand-held Garmin GPS receivers to collect data as part of a field mapping exercise. Collected data will be imported into a GIS to allow calculation of basic spatial statistics and develop a simple map. Hand-held GPS units and laptops will be provided.

Class Topics include:

- » What is GPS? GPS terminology?
- » Consumer versus mapping grade comparison.
- » What is GIS?
- » Basic intro to ArcGIS software
- » Where to get GIS data
- » Map Projections (Convert between Latitude/Longitude to UTM or Albers).
- » Field data collection with Garmin GPS units
- » Importing GPS data into a GIS (using DNR Garmin – free software <http://www.dnr.state.mn.us/mis/gis/tools/arcview/extensions/DNRGarmin/DNRGarmin.html>)
- » Simple spatial analysis within a GIS (Calculating area and perimeter values)
- » Making basic maps

Portions of this class will be conducted in the field, regardless of weather. Participants should come prepared to spend time outside collecting data.

****Transportation will be provided to and from the training and the Hilton Hotel***

Space is limited so don't wait until ATCEM to reserve your place.

Registration Now Open

<http://www.akforum.org/apprenticeship/application-2-2/>

For more information contact

Meg Burgett at mburgett@akforum.org (907.202.9612)