Fairbanks North Star Borough

GIS Web Site and
FairbanksNorthStar GIS Internet Map

January 29th, 2019
New: Layout conforms to FNSB standard

Geographic Information Services

The Fairbanks North Star Borough (FNSB) Geographic Information Services (GIS) Division is responsible for creating, editing, acquiring, analyzing and presenting multiple types of geographic data that comprise the Fairbanks North Star Borough Geographic Information System (GIS). The FNSB GIS Division provides services to the public through on-line map viewers, distributing GIS data, ready to print pdf maps, and downloadable USGS Topographic maps. The FNSB GIS Division assists other Borough Departments with GIS projects and data management. The FNSB GIS Division does not provide software support, custom analysis, or map production services to the public. For an introduction to this site, view the Help Slides.

Interactive GIS Map Viewers

<table>
<thead>
<tr>
<th>VIEWERS</th>
<th>EASE OF USE</th>
<th>DATA UPDATES</th>
<th>LAYERS &amp; TOOLS</th>
<th>MOBILE COMPATIBLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>FairbanksNorthStar GIS</td>
<td>Easier</td>
<td>Regular updates</td>
<td>More layers, more tools</td>
<td>Yes</td>
</tr>
<tr>
<td>Single Purpose Map Viewers</td>
<td>Easiest</td>
<td>Regular updates</td>
<td>Few layers, few tools</td>
<td>Map Dependent</td>
</tr>
</tbody>
</table>

Get FNSB GIS Data

<table>
<thead>
<tr>
<th>MEDIA TYPE</th>
<th>DATA SET</th>
<th>COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>USB Thumb Drive</td>
<td>Complete</td>
<td>Fees Apply</td>
</tr>
<tr>
<td>Download</td>
<td>Complete</td>
<td>Fees Apply</td>
</tr>
<tr>
<td>GIS Web Services</td>
<td>Selected</td>
<td>Free</td>
</tr>
</tbody>
</table>
New:

Page for: Interactive GIS Map Viewers

Compatible with mobile devices
New:

Gallery of single purpose web applications

On page: Interactive GIS Map Viewers.

FNSB Single Purpose Viewers

- Click on thumbnail to open map.
- Most maps are compatible with mobile devices.

Most are compatible with mobile devices
Recently retired:

**FNSB GIS** - ArcIMS application running since 2003
Improved:
Better **instructions for obtaining GIS data**. Includes new **online form for fee-exempt**.
On page: **Get FNSB GIS Data**.
New:

Load GIS Web layers directly into desktop app

On page: Get FNSB GIS Data

Fairbanks North Star Borough GIS Web Services (free)

Freely add available FNSB GIS layers to your GIS application that are served through the internet.

For the complete list of Map, Feature, and Image Services, add the following URL's as ArcGIS Server connections in software compatible with Esri GIS Web Services:

https://gisportal.fnsb.us/referenced/rest/services/publicData
https://gisportal.fnsb.us/image/rest/services

Refer to your software help instructions on how to load web services as layers.
Improved:
Suggested Free GIS Data Viewers.
On page: Get FNSB GIS Data.

Suggested Free GIS Data Viewers

Quantum GIS (full-featured Open Source Desktop GIS) - View and edit shapefiles. Edit open source databases. View Rasters, WMS web services.

ArcGIS Earth (Free Esri Desktop Viewer) - 3D centric. Reads all standard Esri data, view ArcGIS Server Web Services. Also has 2D viewer.

Explorer for ArcGIS (Free Esri Viewer for iOS or Android) - View publically shared maps from ArcGIS Online, or create your own.
- Requires ArcGIS Online account. Free public accounts available.

QGIS
A Free and Open Source Geographic Information System

QGIS 3.0 Girona has been released!

ArcGIS Earth
Maps for Everyone on Earth

Download for Free
Improved:
Links to other Alaskan GIS Web Sites.
On GIS Home Page; Additional Information section

Other Alaskan GIS Web Sites

<table>
<thead>
<tr>
<th>Website</th>
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</tr>
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<tbody>
<tr>
<td>Alaska Geospatial Council</td>
<td>Municipality of Anchorage Geographic Data</td>
</tr>
<tr>
<td>State of Alaska Dept. of Natural Resources</td>
<td>Matanuska-Susitna Borough GIS</td>
</tr>
<tr>
<td>Alaska Geo-Spatial Data Clearinghouse</td>
<td>Kenai Peninsula Borough GIS</td>
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<tr>
<td>State of Alaska Dept. of Natural Resources</td>
<td>Kodiak Island Borough GIS &amp; Map Center</td>
</tr>
<tr>
<td>Alaska Recorder's Office</td>
<td>City &amp; Borough of Juneau Mapping and GIS</td>
</tr>
<tr>
<td>State of Alaska Dept. of Natural Resources</td>
<td>City &amp; Borough of Sitka Web GIS</td>
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<tr>
<td>Alaska Land Records</td>
<td>Ketchikan Gateway Borough GIS</td>
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<tr>
<td>State of Alaska Dept. of Natural Resources</td>
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<tr>
<td>Div. of Geological &amp; Geophysical Survey Interactive Maps</td>
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<td>State of Alaska Dept. of Natural Resources</td>
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<td>Alaska Fire Service</td>
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<td>Alaska Interagency Coordination Center (AICC)</td>
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<td>BLM Land Records</td>
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<td>US Bureau of Land Management</td>
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<td>Arctic Research Consortium of the United States (ARCUS) GIS</td>
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New:

GIS News & Notes
- on GIS Home Page

GIS News items also appear on Borough home page.
FairbanksNorthStar GIS

New primary web map application.
Replaces old FNSB GIS Internet Map.
FairbanksNorthStar GIS

Opens with simple Help, link to Detailed Help
FairbanksNorthStar GIS

Search and navigation in upper left

Simultaneously search for
  • Street Address
  • Owner name
  • PAN (Tax ID)
Select from results to zoom to item.

Tool Bar in upper right

Any tool can be:
  • toggled on or off
  • minimized
Display Information (replaces ID tool)
- Click on map feature to display pop-up
- Use arrow in pop-up to scroll through multiple results

NEW: Attribute Table
Use tool on bottom of map to:
- View map layer data
- Search through data
- Zoom to features
- Export layer data
Layers Tool:
- Collapse groups
- Turn layers on and off

Use ellipsis ... to:
- Zoom to
- Set transparency
- Show or Hide labels
- View attributes
Legend Tool
- View Legend of visible layers
Bookmark Tool
- Zoom to Pre-Defined areas
FairbanksNorthStar GIS

**Draw / Measure Tool**

- **NEW**: Draw points, lines, polygons, or text
- Optionally, display measurements of drawing
Select Tool
- Select features from any layer

Then use ellipses ... to
- View data of selection
- View statistics of selection
- Export data of selection
- Create a layer of selection
Query Tool
Use Defined Query to specific data search

Then use ellipses ... to
• Export data of selection
• View data of selection
• View statistics of selection
• Create a layer of selection
Display Buffer Tool
- Display buffer from any address, or placed point
- Enter an address
- Select buffer distance
- On the lower right, click the ‘Search Nearby icon’

Buffer is displayed that:
• adjusts by slider bar.
• selects addresses within buffer.
• selects parcels within buffer.
• displays distance of selected parcel or address from buffered point.
Select by Buffer Tool
- Create a buffer to select Address, Parcels, or Roads

Then use ellipses ... to:
- Export data of selection
- View data of selection
- View statistics of selection
- Create a layer of selection
Get Latitude-Longitude Tool

- Click on Location tool, then click on map
- Displays estimated coordinate of placed point (in WGS84).
- Select Decimal Degrees, or Degrees-Minutes-Seconds
Print / Save Image Tool:
Generate PDF of map, then
• Print from PDF.
• Save PDF as a file.
• Options for page size, title, author.