DESCRIPTION OF DATA CONTAINED ON STANDARD GIS DATA PACKAGE

Updated: April 11, 2019

CAUTION REGARDING MAP ACCURACY

Ideally all parcel data is within a known distance of true location just as if everything were tied by survey to primary monuments. However, in most cases monumentation is not so well known. New subdivisions are being entered directly from the recorded plats using tie points and basis of bearing as noted on the plats. Such newer data can generally be assumed to be within twenty feet of true location. Digitized data from printed maps such as the U.S.G.S. 15-minutes and 7½ minute quad sheets will have an inherent accuracy commensurate inversely with the source scale. The old hand-drawn Borough base maps were precise enough for sparse land development and have that level of accuracy. Parcel data from these sources will be far less precise.

MAP PROJECTION

All feature classes, shapefiles, dwg drawings, and images have been projected to State Plane Coordinates, Alaska Zone 3, US Survey Feet, using NAD 83 datum.

THE DIRECTORY STRUCTURE

The Base Map and GIS Data is organized by the following directories:

\CAD_Drawings – Individual AutoCAD dwg files of the following layers: parcels, labels, Road Frontage, Water Frontage, Meridian and Baseline, Sections, Townships, and a dwg file that contains all of the layers.

\Corps_2010_LiDAR_DEM_Hillshade_Contours – Digital Elevation Model (DEM), Hillshade of the DEM, and 2 foot contours developed from LiDAR acquired for the US Army Corps of Engineers in May, 2010 as part of the Flood Inundation Study of the Moose Creek Dam and Levee System.

\Geodatabase – The Esri formatted- file geodatabase of the FNSB GIS vector layers. Additionally, the Esri formatted layer files that contain symbology and filter settings for the FNSB GIS vector layers.

\Metadata – Metadata prepared by the FNSB and other agencies that applies to data within this package.

\Platting – Recorded plat lists of the Fairbanks North Star Borough.

\SDMI_2010_IFSAR_25FT_Contours_generalized_2ft – Contours created from the SDMI (Statewide Digital Mapping Initiative) 2010 IFSAR (Interferometric Synthetic Aperture Radar) that have been generalized to 25 ft elevation increments.

\Shapefiles – Esri formatted shapefiles of the FNSB GIS vector layers.

\Software – Free or open source software for viewing data on this USB Drive.

\TananaRiverSalchaFloodStudy_2016_DEM – A digital elevation model (DEM) created for the Tanana River / Salcha Flood Study. This DEM provides elevation data for the Tanana River area just south of North Pole and west of Eielson Air Force Base.

\Taxroll – Downloads from the Fairbanks North Star Borough taxroll, including parcel and value information, street addresses, and the Parent-child relation table to link together the records by Property Account Number (PAN).

\USGS – Raster images of various U.S.G.S. Topographic maps.

\USGS_Digital_Topo_GeoPDF – USGS digital topo GeoPDF maps covering areas within the Fairbanks North Star Borough.

\USGS 3DEP 2017 LiDAR DEM Hillshade Contours – Digital Elevation Models (DEMs), Hillshades of the DEMs, 1.0 foot contours for the populated center of the Fairbanks North Star Borough, 2.0 foot contours of the outer, populated corridors of the Fairbanks North Star Borough. The DEMs and contours were delivered from the 2017 USGS 3DEP LiDAR collection, that USGS contracted Quantum Spatial to collect. The Hillshades were generated from the DEMs delivered for this collection.

Root Directory

ArcGIS_Base_Map_v10_2.mxd – Starting map of FNSB GIS layers prepared for ArcGIS version 10.2.

Metadata.doc and Metadata.txt - detailed explanation of the data contained on the Standard GIS Data Package.

Readme.doc and Readme.txt – basic explanation of the Fairbanks North Star Borough's GIS system

\CAD_Drawings

AutoCAD_Basemap_Features_Combined_201xxxxx.dwg – An export to dwg format of parcels, labels, Access Easements, Road Frontage, Water Frontage, Meridian and Baseline, Sections, Townships

AutoCAD_Parcels_201xxxxx.dwg - An export to dwg format of the geodatabase feature class, Parcel_Lot_Polygons," which consists of a seamless drawing of all parcels in the Fairbanks North Star Borough

AutoCAD_Parcels_201xxxxx_Labels.dwg – An export to dwg format of the geodatabase feature class, "Labels," the small labels, which contains labels for all small scale labels in the Fairbanks North Star Borough.

AutoCAD_Access_Easments_201xxxxx.dwg - An export to dwg format of the geodatabase feature class, Easements_Access_Incomplete," which consists of Access Easements that have been that have been mapped to date. This layer does not include any utility easements. Easement types mapped include Airstrip, Driveway, Roadway, Section Line, Trail, Pipeline, and Other. This layer will almost certainly always be incomplete, as

mapping of Easements did not begin until 2010, and limited staff resources inhibit the ability to research older easements.

AutoCAD_Parcels_201xxxxx_Road_Frontage.dwg –.

AutoCAD_Parcels_201xxxxx_Water_Frontage.dwg –.

AutoCAD_Reference_Meridian_Baseline.dwg

AutoCAD_Reference_Sections.dwg -

AutoCAD_Reference_Townships.dwg -

\Corps_2010_LiDAR_DEM_Hillshade_Contours

DOE_COE_2010.img - Digital Elevation Model (DEM) developed from LiDAR acquired for the US Army Corps of Engineers in May, 2010 as part of the Flood Inundation Study of the Moose Creek Dam and Levee System.

Hillshade_2010_LiDAR_DEM.img - Hillshade processed by the FNSB GIS Division from the DEM developed from LiDAR acquired for the US Army Corps of Engineers in May, 2010 as part of the Flood Inundation Study of the Moose Creek Dam and Levee System.

Fairbanks_Contours_Mosaic.gdb – 2 foot contours processed by a contractor from the Digital Elevation Model (DEM) developed from LiDAR acquired for the US Army Corps of Engineers in May, 2010 as part of the Flood Inundation Study of the Moose Creek Dam and Levee System.

SDMI_2010_IFSAR_25ft_Contours_generalized_2ft

SDMI_2010_IFSAR_25ft_Contours_generalized_2ft.gdb – File geodatabase of 25 foot contours derived from the 2010 SDMI IFSAR elevation data collection. Contours generated using ArcGIS Spatial Analyst tools, then ran through the generalize tool with no more than 2-foot horizontal offset, to reduce the number of vertices and file size to one-ninth the original size. *Processed by Fairbanks North Star Borough GIS Division.*

\Geodatabase and \Shapefiles

\Geodatabase - FNSBGIS.gdb, an export of Esri ArcSDE GIS layers to an Esri ArcGIS compressed file geodatabase.

\Shapefiles – an export of ArcSDE GIS layers to Esri Shapefile format.

The names of the FNSBGIS.gdb file geodatabase layers are identical to the Shapefile layers, except where noted.

Address_Valid_Points – Valid Street Address Points for the Fairbanks North Star Borough. *Created and maintained by the FNSB Emergency Operations Department.*

Aerial_Images_Coverage – Polygon layer of footprints of aerial photo coverage within the Fairbanks North Star Borough (NOTE: currently out of date). *Created and maintained by the FNSB GIS Division.*

Airquality_Co_RegArea – Regulatory area for Carbon Monoxide within the Fairbanks North Star Borough. *Maintained by the FNSB Air Quality Division.*

Airquality_PM25_RegArea – Non-attainment Regulatory are for PM 2.5 particulates within the Fairbanks North Star Borough, as adopted by the State of Alaska and U.S. Environmental Protection Agency. *Source: FNSB Air Quality Division.*

Airquality_PM25_ContrlZone – Regulatory are for PM 2.5 particulates within the Fairbanks North Star Borough, as regulated by the Fairbanks North Star Borough. *Source: FNSB Air Quality Division.*

Boundary_Borough_FNSB- Fairbanks North Star Borough boundary .
Maintained by the FNSB GIS Division based on documents from the State of Alaska Boundary Commission.

Boundary_Cities_FNSB – City of Fairbanks and City of North Pole municipal boundaries. *Source: Cities of Fairbanks and North Pole, maintained by FNSB GIS Division.*

Boundary_DOT_FIA – Fairbanks International Airport boundary.
Created and maintained by Alaska Department of Transportation and Public Facilities.

Boundary_DOT_MPO – Metropolitan Planning Organization boundary for the Fairbanks North Star Borough dated 2003. *Recommended by Fairbanks Metropolitan Area Transportation System (FMATS), approved by U.S. Federal Highway Administration.*

Boundary_FMATS_MPA - Metropolitan Planning Area boundary for the Fairbanks Metropolitan Area Transit System dated December, 2013. *Recommended by Fairbanks Metropolitan Area Transportation System (FMATS), approved by U.S. Federal Highway Administration.*

Boundary_Mil_Eielson – Cantonment (base) boundaries for Eielson Air Force Base, Alaska.
Source: Eielson Geobase staff.

Boundary_Mil_Wainwright - Cantonment (base) boundaries for Ft. Wainwright, Alaska.
Source: Ft. Wainwright GIS staff.

Boundary_Plan_Districts - Planning District boundaries. *Created and maintained by Fairbanks North Star Borough Department of Community Planning.*

Boundary_Section_FNSB - All township, range, and sections within the FNSB.
Source: Alaska Department of Natural Resources, some attributes added by FNSB GIS Division.

Boundary_State_Alaska – an outline of the State of Alaska. *Source: ESRI Maps and Data bundled with ArcGIS*

Boundary_Township_FNSB - Township lines. *Created by Alaska Department of Natural Resources, some attributes added by FNSB GIS Division.*

Boundary_UAF_Campus – Boundary of University of Alaska Fairbanks main campus.
Source: University of Alaska Fairbanks.

Building_Coverage_2Pict12 – The extent of 2012 Pictometry Aerial Photography coverage that was examined for building roofprints. *Source: Fairbanks North Star Borough GIS Division.*

Building_Coverage_2Pict17 – The extent of 2017 Pictometry Aerial Photography that was examined for building roofprints. *Source: Fairbanks North Star Borough GIS Division.*

Building_Deckpnt_2Pict12 – Deck locations identified from 2012 Pictometry Aerial Photography coverage. *Source: Acquired under contract from Pictometry, International.*

Building_Deckpnt_2Pict17 – Deck locations identified from 2017 Pictometry Aerial Photography coverage. *Source: Acquired under contract from EagleView (formerly known as Pictometry, International).*

Building_Lengthside_2Pict12 – Lines depicting the building roofprints with information for the lengths of each building side, identified from 2012 Pictometry Aerial Photography coverage. *Source: Acquired under contract from Pictometry, International.*

Building_Lengthside_2Pict17 – Lines depicting the building roofprints with information for the lengths of each building side, identified from 2017 Pictometry Aerial Photography coverage. *Source: Acquired under contract from EagleView (formerly known as Pictometry, International).*

Building_Perimeter_2Pict12 – A polygon layer depicting perimeters of building roofprints identified from 2012 Pictometry Aerial Photography coverage. *Source: Acquired under contract from Pictometry, International.*

Building_Perimeter_2Pict17 – A polygon layer depicting perimeters of building roofprints identified from 2017 Pictometry Aerial Photography coverage. *Source: Acquired under contract from EagleView (formerly known as Pictometry, International).*

Bus_Lines_MAC - Lines depicting the FNSB MACS bus routes. *Source: FNSB Transportation Department.*

Bus_Stops_MAC – Points depicting bus stops on the FNSB MACS bus system. *Source: FNSB Transportation Department.*

Census_Blocks_00 - The 2000 census block boundaries joined with data on population, race, sex, age, family, and housing from the 2000 census. *Created by U.S. Census Bureau, edited by FNSB GIS Division to coincide block boundaries with intended features of the FNSB base maps, attributes edited by FNSB GIS Division to add areas and densities.*

Census_Blocks_10 - The 2010 census Block boundaries joined with data on population, race, sex, age, family, and housing from the 2010 census. *Created by U.S. Census Bureau, attributes edited by FNSB GIS Division to add areas and densities.*

Census_Blocks_90 - Census block boundaries from the 1990 U.S. Census joined with some basic census information. *Created by U.S. Census Bureau.*

Census_GroupBlock_10 - The 2010 census Block Group boundaries joined with data on population, race, sex, age, family, and housing from the 2010 census. *Created by U.S. Census Bureau, downloaded from ESRI data.*

Census_GroupsBlock_00 - The 2000 census block group boundaries joined with data on population, race, sex, age, family, and housing from the 2000 census. *Created by U.S. Census Bureau, drawing edited by FNSB to overlay FNSB base maps, data edited by FNSB to add areas and densities.*

Census_Tracts_00 - The 2000 census tract boundaries joined with data on population, race, sex, age, family, and housing from the 2000 census. *Created by U.S. Census Bureau, drawing edited by FNSB to overlay FNSB base maps, data edited by FNSB to add areas and densities.*

Census_Tracts_10AK – The 2010 census Tract boundaries joined with data on population, race, sex, age, family, and housing from the 2010 census. *Created by U.S. Census Bureau, downloaded from ESRI data.*

Census_Urban_FNSB10 – The Urban Boundary designation adopted in 2012, based on the 2010 Census. *Created by U.S. Census Bureau.*

Census_Urbanboundary_03 - The Urban Boundary designation adopted in 2003, based on the 2000 Census. *Created by U.S. Census Bureau.*

Communication_Towers16_FCC – Locations and associated data for Communication Towers located within the Fairbanks North Star Borough, as of February, 2016. *Location and data maintained and distributed by the U.S. Federal Communications Commission.*

Comprehensive_Plan_FNSB – Fairbanks North Star Borough Comprehensive Plan designations. *Created and maintained by Fairbanks North Star Borough Community Planning Department.*

Contours_10ft_CrippleCreek – Ten foot contours of the Cripple Creek Subdivision area. *Scanned by FNSB GIS Division from contours prepared for Cripple Creek Subdivision by Pat Kalen & Associates Surveyors.*

Contours_10ft_FNSB – Vector representation of elevation lines for most of the developed portion of the Borough at 10-foot contour intervals, as processed from the digital elevation model used for the 2002 Quickbird Satellite image project. *DEM mosaicked by Alaska Division of Forestry Northern Region from multiple sources, contours processed from DEM by FNSB GIS Division.*

Contours_50ft_FNSB – Vector representation of elevation lines for most of the Borough at 50-foot contour intervals, as processed from the USGS digital elevation model. *Contours processed from DEM by FNSB GIS Division.*

Easement_Access_Incomplete – Access easements within the Fairbanks North Star Borough that have been mapped to date. This layer does not include any utility easements. Easement types mapped include Airstrip, Driveway, Roadway, Section Line, Trail, Pipeline, and Other. This layer will almost certainly always be incomplete, as mapping of Easements did not begin until 2010, and limited staff resources inhibit the ability to research older

easements. *Source: Fairbanks North Star Borough Department of Assessing and Department of Community Planning.*

Election_Dist_12State – State of Alaska Legislative election district boundaries adopted in 2012. Attributes include State House district and State Senate district. *Source: Alaska Redistricting Board based on Census Block boundaries.*

Election_Dist_Statev2002 – State of Alaska Legislative election district boundaries adopted in 2002. Attributes include State House district and State Senate district. *Source: Alaska Redistricting Board based on Census Block boundaries. Some attributes merged and boundaries adjusted by FNSB GIS Division to align with intended features on FNSB Base Map.*

Election_Prec_12FNSB – State of Alaska Legislative election precinct boundaries adopted in 2012, in conjunction with the new election districts adopted after the 2010 Census. *Source, Alaska Division of Elections.*

Emergency_EMS_Agency – Responding Agency boundaries for EMS (ambulance) services in the Fairbanks North Star Borough. *Source, FNSB Dept of Emergency Services.*

Emergency_Fire_Agency – Responding Agency boundaries for Fire Protection services in the Fairbanks North Star Borough. *Source, FNSB Dept of Emergency Services.*

Emergency_FireEMS_Stations– Fire Stations within the Fairbanks North Star Borough. *Source, FNSB Dept. of Emergency Services.*

Emergency_Jurisdiction_FNSB – Emergency Jurisdiction boundaries used by Dispatch. *Source, FNSB Dept of Emergency Services.*

Emergency_Law_Agency – Responding Agency boundaries for Law (Police) services in the Fairbanks North Star Borough. *Source, FNSB Dept of Emergency Services*.

Emergency_Service_Number – Coded Boundaries used by dispatch for combination of EMS, Fire and Law Response in the Fairbanks North Star Borough. *Source, FNSB Dept of Emergency Services*.

Forest_Vegetation_FNSB – Generalized forest vegetation, base on interpretation of aerial photography, circa 1995. *Source: Alaska Division of Forestry, Northern Region.*

Labels - Annotation FNSB - for the Fairbanks North Star Borough parcel layer, contains all labels for three different scale ranges. Scale dependencies control which scale of labels are visible at any given scale. *Maintained by the FNSB GIS Division.*

Label_Points_Large1000 – Point export of Label_Annotation_Large1000 feature class, optimally designed for printing and viewing at a scale of 1 inch = 1000 feet. *Maintained by the FNSB GIS Division.*

Label_Points_Medium400 - Point export of Label_Annotation_Medium400 feature class, optimally designed for printing and viewing at a scale of 1 inch = 400 feet. *Maintained by the FNSB GIS Division.*

Label_Points_Small100 - Point export of Label_Annotation_Small100 feature class, optimally designed for printing and viewing at a scale of 1 inch = 100 feet. *Maintained by the FNSB GIS Division.*

Land_FNSB_Owned - Land that is owned, managed, or sold by the FNSB. *Source, FNSB Land Management Department, maintained by FNSB GIS Division.*

Land_FNSBOwned_Annotation – Annotation (labels) for Land_FNSB_Owned GIS layer. Geodatabase feature class only, no shapefile. *Source, FNSB Land Management Department, maintained by FNSB GIS Division.*

Liquor_License_FNSB – Locations and types of liquor licenses issued by the State of Alaska, within the Fairbanks North Star Borough. *Source – State of Alaska Alcoholic Beverage Control Board.*

Milepost_Points_FNSB – Small collection of various milepost along major roads within the Fairbanks North Star Borough. *Compiled by FNSB GIS Division.*

Mileposts_DOT_12 – Statewide collection of GPS milepost of State Highways. *Created and maintained by Alaska Dept. of Transportation and Public Facilities.*

Mining_Claims201710_BLM – Federal mining claims, updated October, 2017. *Created and maintained by U.S. Dept. of Interior, Bureau of Land Management.*

Mining_Claims201710_State – State of Alaska mining claims., updated October, 2017. *Created and maintained by Alaska Dept. of Natural Resources.*

Mining_Districts201710_State – State of Alaska Mining Districts, updated October, 2017. *Created and maintained by Alaska Dept. of Natural Resources.*

Mining_Leases201717_State – State of Alaska mining leases, updated October, 2017. *Created and maintained by Alaska Dept. of Natural Resources.*

Monuments_NGS_Interior – National Geodetic Survey Monuments within the Fairbanks North Star Borough and immediate surrounding area. Data set downloaded from U.S.G.S National Geodetic Survey. *Created and maintained by National Geodetic Survey*.

Noise_2015Wainrit_MIA – Noise areas measured in decibels of all Military Influenced noise sources associated with Ft. Wainwright, updated in 2015. – *Source – United States Department of the Army*

Noise_2015_Wainrit_Smlarms - Noise areas measured in decibels of Small Arms noise sources associated with Ft. Wainwright, updated in 2015. – *Source – United States Department of the Army*

Noise_Contour_Eielson - Eielson Air Force Base noise contours. *Created by Fairbanks Airport Noise Study.*

Noise_Contour_FIA - Fairbanks International Airport noise contours. *Created by Fairbanks Airport Noise Study.*

Overview_Borough_FNSB – Line layer that combines the Fairbanks North Star Borough boundary and major roads. *Created and maintained by FNSB GIS Division.*

Parcel_Lot_Polygons - All lots and parcels in the Borough. *Source: FNSB Assessing Dept. and Community Planning Departments, maintained by FNSB GIS Division.*

Parcel_TaxInfo_Joined - The Borough parcels depicted in Parcel Lot Polygons, joined with a download of the Borough taxroll (tax_info.txt) to create a GIS layer that has owners, mailing addresses, values, structures, land uses, and estimated size of the parcels. *Source: FNSB Assessing Dept. and Community Planning Departments, maintained by FNSB GIS Division.*

Park_Facilities_FNSB – Borough owned and maintained parks. *Source: FNSB Parks and Recreation Department.*

Pipeline_TAPS_Alaska – Trans-Alaska pipeline. *Created and maintained by Alaska Department of Natural Resources.*

Place_Names_Alaska – Alaska place names clipped to the Borough boundary. *Source: Alaska Department of Natural Resources.*

Rail_Lines_FNSB – Alaska Railroad rail lines from the City of Nenana, through the Fairbanks North Star Borough to its terminus at Eielson Air Force Base. *Source: Alaska Railroad.*

Road_Centerlines_FNSB – A line layer depicting centerlines of all platted roads, and all known private roads within the Fairbanks North Star Borough. Included required attributes for Addressing and Emergency response, along with other information. *Maintained by FNSB Community Planning Department.*

Road_Districts_FNSB – Fairbanks North Star Borough Road Service Area Planning Districts. Created *and maintained by FNSB Rural Services Division.*

Road_Highway_Alaska – Statewide GPS line data of highways in the State of Alaska. *Created and maintained by Alaska Dept. of Transportation and Public Facilities.*

Road_Major_FNSB – Major roads in the Fairbanks North Star Borough, extracted from Road_Centerline_FNSB layer by selection on Road Classification attribute. *Maintained by Fairbanks North Star Borough Department of Community Planning.*

Road_Plan_FNSB - Fairbanks North Star Borough Road Plan. *Created and maintained by Fairbanks North Star Borough Department of Community Planning.*

Service_Areas_Fire - Fire service area boundaries. Fairbanks North Star Borough Fire Service Area boundaries. *Source: FNSB Emergency Services Department, maintained by FNSB Community Planning Department.*

Service_Areas_Road - Road service area boundaries. Fairbanks North Star Borough Road Service Area boundaries. *Source: FNSB Rural Services Division, maintained by FNSB Community Planning Department.*

Soils_Survey_Combined –Soil Survey boundaries and attributes for five different soil surveys in the Greater Fairbanks North Star Borough area. *Created and maintained by the USDA – Natural Resource Conservation Service (NRCS).* More detailed metadata is contained in the files, \metadata\ns_soils_Manuscript.pdf and \metadata\ soils_ssurgo_db.pdf

Stormswr_Atlas_Grid – An atlas grid used for labels and general location, created for Fairbanks North Star Borough Stormwater Management Program. *Created under contract for the Fairbanks North Star Borough, maintained by Fairbanks North Star Borough Public Works Department.*

Stormswr_Catch_Basin – Stormwater catch basins identified for Fairbanks North Star Borough Stormwater Management Program. *Created under contract for the Fairbanks North Star Borough, maintained by Fairbanks North Star Borough Public Works Department.*

Stormswr_Culvert_Line – Stormwater culvert pipe locations identified for Fairbanks North Star Borough Stormwater Management Program. *Created under contract for the Fairbanks North Star Borough, maintained by Fairbanks North Star Borough Public Works Department.*

Stormswr_Culvert__Point – Stormwater culvert openings identified for Fairbanks North Star Borough Stormwater Management Program. *Created under contract for the Fairbanks North Star Borough, maintained by Fairbanks North Star Borough Public Works Department.*

Stormswr_Curb_Feature – Curbs identified for Fairbanks North Star Borough Stormwater Management Program. *Created under contract for the Fairbanks North Star Borough, maintained by Fairbanks North Star Borough Public Works Department.*

Stormswr_Ditch_Line – Open stormwater ditches identified for Fairbanks North Star Borough Stormwater Management Program. *Created under contract for the Fairbanks North Star Borough, maintained by Fairbanks North Star Borough Public Works Department.*

Stormswr_Facilities_MSGP – Stormwater Industrial Activity site permitted by the Alaska Department of Environmental Conservation. identified for Fairbanks North Star Borough Stormwater Management Program. *Spatial Data generated by the Fairbanks North Star Borough using permit data created and maintained by the Alaska Department of Environmental Conservation.*

Stormswr_Flow_Direction - Stormwater flow direction identified for Fairbanks North Star Borough Stormwater Management Program. *Created under contract for the Fairbanks North Star Borough, maintained by Fairbanks North Star Borough Public Works Department.*

Stormswr_Manhole_Point – Manhole locations identified for Fairbanks North Star Borough Stormwater Management Program. *Created under contract for the Fairbanks North Star Borough, maintained by Fairbanks North Star Borough Public Works Department.*

Stormswr_MGMT_Feature – Special Stormwater Management Features identified for Fairbanks North Star Borough Stormwater Management Program. *Created under contract for the Fairbanks North Star Borough, maintained by Fairbanks North Star Borough Public Works Department.*

Stormswr_Outfall_Point – Stormwater Outfall locations identified for Fairbanks North Star Borough Stormwater Management Program. *Created under contract*

for the Fairbanks North Star Borough, maintained by Fairbanks North Star Borough Public Works Department.

Stormswr_Pipe_Line – Stormwater pipes identified for Fairbanks North Star Borough Stormwater Management Program. *Created under contract for the Fairbanks North Star Borough, maintained by Fairbanks North Star Borough Public Works Department.*

Stormswr_Snowstorage_Site – Snow storage sites identified for Fairbanks North Star Borough Stormwater Management Program. *Created under contract for the Fairbanks North Star Borough, maintained by Fairbanks North Star Borough Public Works Department.*

Stormswr_Utility_Basin – Stormwater Utility Basin Planning Areas defined for the Fairbanks North Star Borough Stormwater Management Program. *Source: Created under contract for the Fairbanks North Star Borough.*

Stormswr_Water_Bodies – Version of Water Bodies layer created for Stormwater Management map. *Source: Created under contract for the Fairbanks North Star Borough.*

Trails_RS2477_State – RS2477 Historic trails as documents by the State of Alaska. *Source: Created and maintained by the State of Alaska Department of Natural Resources.*

Topo_USGS_QQuads – Polygon grid of U.S. Geological Survey Quarter-Quadrangles within the Fairbanks North Star Borough. FNSB has added attributes for Year published and map scale. FNSB will soon host each Quarter –Quad and publish a URL link. Boundaries created by U.S. Geological Survey, clipped to FNSB boundary by FNSB GIS Division.

Waste_Transfer_Stations – Point layer of Waste Transfer Stations within the Fairbanks North Star Borough. *Source: FNSB Public Works Department.*

Water_Bodies_Polygons - Major water bodies, rivers and creeks as extracted from aerial photography. *Maintained by FNSB GIS Division.*

Wetlands_Polygons_FNSBv2014 – Wetlands polygons for the Fairbanks North Star Borough, as determined by the National Wetlands Inventory. *Source: U.S. Fish and Wildlife Service.*

Wetlands_Metadata_Alaskav2014 – Polygons with links to Wetlands Metadata for the State of Alaska, as provided by the National Wetlands Inventory. *Source: U.S. Fish and Wildlife Service.*

Wetlands_History_AKv2014 – Historical Wetlands report for Alaska, as provided on the National Wetlands Inventory. *Source: U.S. Fish and Wildlife Service.*

Wildfire_History_AKv20160504 – Statewide layer of wildfire boundaries, dated as of May 5, 2016. *Created and maintained by the Alaska Fire Service.*

Zip_Codes_FNSB – Polygons of zip codes within the Fairbanks North Star Borough. *Edited by FNSB GIS Division base on consultation with the U.S. Postal Service.*

Zoning_Districts_FNSB – Combination of polygons of FNSB Primary Land Use Zoning districts with Overlay Districts. *Source: FNSB Community Planning Department, maintained by FNSB GIS Division.*

Zoning_Overlays_FNSB – FNSB Overlay Zoning districts. *Source: FNSB Community Planning Department, maintained by FNSB GIS Division.*
Zoning_Primary_FNSB – FNSB Primary Land Use Zoning districts. *Source: FNSB Community Planning Department, maintained by FNSB GIS Division.*

\Metadata
Metadata for data within this package, including this file, metadata from NRCS on the soil survey maps, and metadata from USGS on the topographic maps.

\Platting
Alltable.txt – A text file download of the Alltable plat list of the Fairbanks North Star Borough.
Recplat.txt – A text file download of the recorded plat list of the Fairbanks North Star Borough.
Tables created and maintained by the Fairbanks North Star Borough Community Planning Department.

\Software

\Software\ArcGIS_Explorer Desktop:
ArcGISExplorerDownload.exe – Install file for ArcGISExplorer Build 3400, a free 2D and 3D GIS Viewer provided by Esri.

\Software\edrawings:
eDrawingsFullEnglish.exe – Installation file for eDrawings, a free program from SolidWorks Corp. that will read AutoCAD .dwg files.

\Software\Quantum_GIS:
QGIS-OSGeo4W-2.18.9-1-Setup-x86_64.exe - Install file for the 64 bit Windows version of Quantum GIS Version 2.18.9.1, provided by the Quantum GIS Project. This is a free open source, fully featured GIS Software.
QGIS-2.18.7.1.dmg - Install file for the Mac OS X version of Quantum GIS Version 2.18.7.1, provided by the Quantum GIS Project. Includes two other modules required for the Mac Install (GDAL_Complete-1.11.dmg, matplotlib-1.3.1-2.dmg). This is a free open source, fully featured GIS Software.

\Software\SID_Viewers\ExpressViewPlugin:

Exview_setup.exe – install file from LizardTech, Inc. for ExpressView, a free plugin for your browser that will allow viewing of MrSID image files from directly inside your browser.

\Software\SID_Viewers\GeoViewer_50:
Setup.exe – install file from LizardTech, Inc. for GeoViewer 3.0, a free stand-alone SID viewer that exports to tiff, jpg, and png format. This file starts an installation routine that uses the internet to download a 29 meg installation file from the LizardTech web site.

\Taxroll

Real Estate Public.txt - A download from the Borough taxroll that contains data on all property tax accounts in the Borough. Data includes fields for owner1, property and improvement values, year constructed, separate fields for city-state-zip mailing address, and physical address.

Tax_Info.txt – A download from the Borough taxroll that contains data on all property tax accounts in the Borough. Data includes fields for owner1, owner2, and owner3, property and improvement values, year constructed, merged city-state-zip mailing address, and one physical address per record.

Parent Child Relation.txt - Parent-child relation table to link together the records by Property Account Number (PAN).

Public database.doc and Public database.txt – a detailed description of the contents of Real Estate Public.txt.

Download Situs Addresses.txt – A download from the Borough taxroll that contains all street addresses along with the parcel account number and property description for the address. Many parcels have more than one structure or unit, thus more than one street address.

\USGS

USGS_metric_3D.sid - A composite image of all of the USGS topographic maps in the Borough for the 1992 metric update of 1:25000, then fused with the USGS digital elevation model to produce a 3-D effect. The metric update did not cover the entire Borough, but did cover most of the populated areas (south to Harding Lake, east to Two Rivers, north to Old Murphy Dome Road, west to Cache Creek/Standard Creek). The image quality is superior to the older 1:63360 topographic maps, but the coverage does not include the entire Borough. This file can be opened in ArcView 3.x provided the MrSID extension is turned on, in ArcGIS, or in ArcExplorer 2.0. *Topographic maps originated from U.S. Geological Survey, composite image and SID file created by the FNSB Community Planning Department.*

USGS_mile.sid - A composite image of all of the USGS topographic maps in the Borough for the one inch to one-mile scale (1:63360). The entire Borough and a bit beyond is covered at this scale. The image quality is not as good as the 1:25000 metric update, but the coverage is greater. This file can be opened in ArcView 3.x provided the MrSID extension is turned on, in ArcGIS, or in ArcExplorer 2.0. *Topographic maps originated from U.S. Geological Survey, composite image and SID file created by the FNSB Community Planning Department.*

USGS_250_interior.sid - A composite image of all of the USGS topographic maps in the Borough for the one inch to one-mile scale (1:250000). Virtually all of Interior Alaska is covered at this scale. The image quality is not as good as the 1:63300 metric update, but the coverage is greater. This file can be opened in ArcView 3.x provided the MrSID extension is turned on, in ArcGIS, or in ArcExplorer 2.0. *Topographic maps originated from U.S. Geological Survey, composite image and SID file created by the FNSB Community Planning Department.*

USGS_1913_3D.sid – A scanned version of the historic 1913 USGS Topo of the Fairbanks Area, georeferenced to the FNSB GIS, and merged with the USGS DEM to provide a 3D appearance.

More detailed metadata are contained in the files:
\Metadata\usgs_fairbanks_d2.txt,
\Metadata\USGS_Geotiff.txt, and
\GIS\metadata\ USGS_Readme.txt.

USGS 3DEP 2017 LiDAR_DEM_Hillshade_Contours
DEM_2017_Fairbanks_USGS_3DEP_LiDAR_POP_Center
- 1.5 foot Geotiff
- A Hydro-flattened Bare Earth Digital Elevation Model that was generated from the USGS 3DEP Fairbanks LiDAR collection of 2017 (Quantum Spatial was contracted for the collection and deliverables)
- The extent covers the urban core area of the Fairbanks North Star Borough

DEM_2017_Fairbanks_USGS_3DEP_LiDAR_POP_Corridor
- 3.0 foot Geotiff
- A Hydro-flattened Bare Earth Digital Elevation Model that was generated from the USGS 3DEP Fairbanks LiDAR collection of 2017 (Quantum Spatial was contracted for the collection and deliverables)
- The extent covers the populated corridors of the Fairbanks North Star Borough (outer rural areas)

Hillshade_2017_Fairbanks_USGS_3DEP_LiDAR_POP_Center
- A hillshade generated using the DEM 2017 – USGS 3DEP LiDAR (Population Center)
- The extent covers the urban core area of the Fairbanks North Star Borough

Hillshade_2017_Fairbanks_USGS_3DEP_LiDAR_POP_Center
- A hillshade generated using the DEM 2017 – USGS 3DEP LiDAR (Population Corridor)
- The extent covers the populated corridors of the Fairbanks North Star Borough (outer rural areas)

Fairbanks_POP_Center_Contours
- 1.0 foot contours in the urban core area of the Fairbanks North Star Borough
- Contours generated from the USGS 3DEP LiDAR collection of 2017 (Quantum Spatial was contracted for the collection and deliverables)

Fairbanks_POP_Corridor_Contours
- 2.0 foot contours in the populated corridors of the Fairbanks North Star Borough (outer rural areas)
- Contours generated from the USGS 3DEP LiDAR collection of 2017 (Quantum Spatial was contracted for the collection and deliverables)