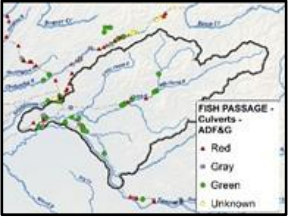
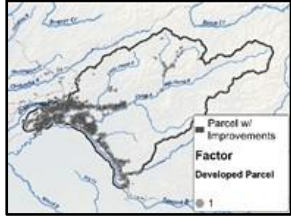
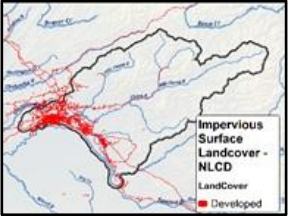
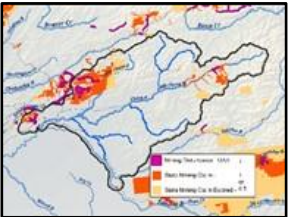
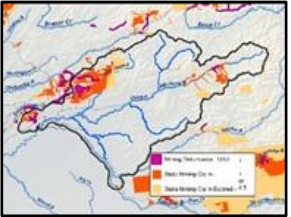
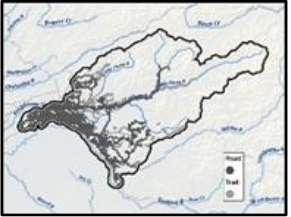

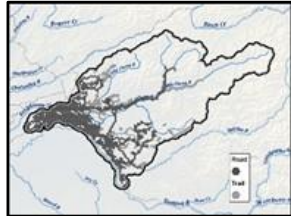


Chena Watershed Prioritization - Final Limiting Factors

Field	Limiting Factor	Value	Source	Methods	File	Link
CULVERT_ RedGray	Culverts which do not meet fish passage criteria or have unknown passage rating	0,1 binary	Alaska Department of Fish and Game	select by location, select hexagons which intersect culvert locations with rating of red, gray, or unknown	Culverts.pdf	
Devo_Parcel	Developed Parcels with improvement value greater than \$10,000 used a surrogate for development	0,1 binary	Fairbanks North Star Borough	select by location, select hexagons which intersect parcels with "Improvement" attribute > \$10,000	DevelopedParcels.pdf	
IMPERVIOUS_ Threshold	Impervious Surface: interpreted National Land Cover Dataset		USGS - NLCD	NLCD_Impervious_pct >= 0.25 - score of 1, NLCD_Impervious_pct >0.10 - score of 0.5	Impervious.pdf	
MINING_ Claims	Mining Claims: active and recently inactive (less than ten years old) mining claims on state lands	0, 0.5, 1	Alaska Department of Natural Resources	select by location, active mining claims = 1, recently inactive mining claims = 0.5	MiningClaimsFootprint.pdf	
MINING_ Disturbance	Mining Footprint: historic mining footprint disturbance, digitized from imagery and digital elevation data	0,1 binary	UAA- Alaska Center for Conservation Science	select by location, select hexagons which intersect dataset	MiningClaimsFootprint.pdf	

Chena Watershed Prioritization - Final Limiting Factors

Field	Limiting Factor	Value	Source	Methods	File	Link
ROAD_present	Roads dataset from FNSB	0,1 binary	Fairbanks North Star Borough	select by location, select hexagons which intersect Roads	Roads_Trails_hex.pdf	
Thermokarst_Score	Thermokarst: likelihood of ground thaw, thermokarst	0-1	UAF - SNAP - Scenarios Network for Alaska and Arctic Planning	convert 1 kilometer grid to polygon, spatial join polygons -calculate mean thermokarst potential value per hexagon, divide mean value by 100 to yield range from 0-1	Thermokarst.pdf	
TRAIL_present	Trails dataset from ADNR, may include active trails as well as historic trails, originally sourced from 1:63,360 scale USGS topographic maps so spatial accuracy is limited	0,1 binary	Alaska Department of Natural Resources	select by location, select hexagons which intersect Trails	Roads_Trails_hex.pdf	
<p>NOTES: Factor = 1, this dataset was scored and used as a factor in the Chena watershed scale prioritization of 5600 hexagons each measuring 0.5 square miles or 320 acres, Description - simple explanation of dataset, Values - scoring range, Source - data source, Methods - methods to calculate dataset's value per evaluated hexagon for the prioritization</p>						