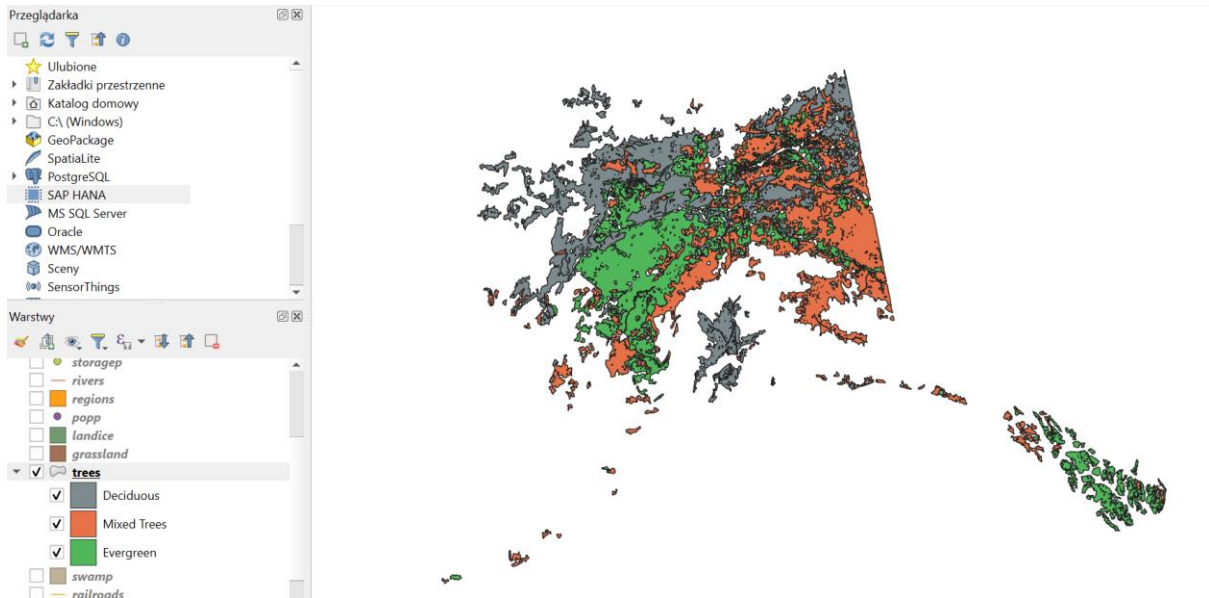1.
   a. Import danych
   b. Properties -> Symbology -> rule-based
   c. Dodanie 3 stylów opartych na regułach
      i. "VEGDESC" = 'Deciduous'
      ii. "VEGDESC" = 'Mixed Trees'
      iii. "VEGDESC" = 'Evergreen'

   d. Rozdielenie podwarstw na 3 warstwy
      i. Po kolei dla każdej podwarstwy: Select features -> Export selected features as
      ii. Statistics Panel dla mixed_trees AREA_KM2 – 189273KM

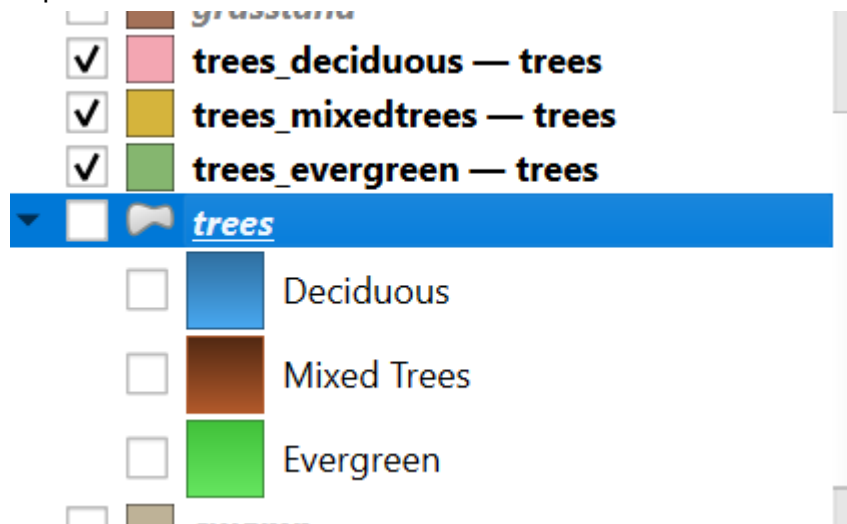2. Dla każdej wartstwy osobno robię:
   a. Zaznaczam daną podwarstwę
   b. Select features
   c. Export selected features as

   d.
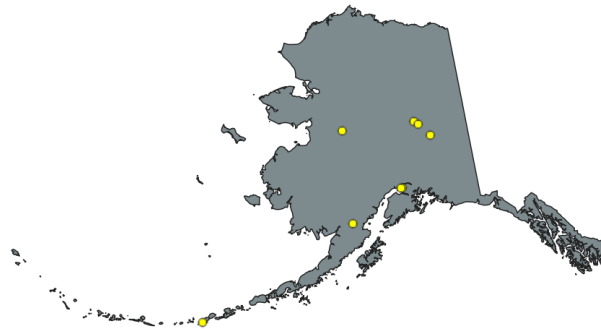3. Select by expression
   a. Select by expression "NAME_2" = 'Matanuska-Susitna
   b. Processing toolbox -> Vector Overlay -> Clip
      i. Input: railroads
      ii. Output: regions, only selected features
      iii. Adding new feature to result layer "length" ($length)
      iv. TOTAL LENGTH - 268213
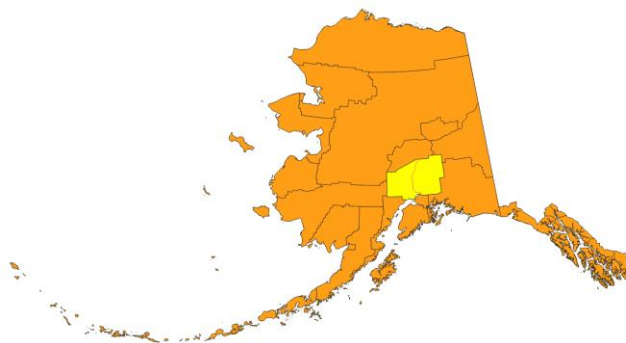
   c.

4. Airports

a. Military -> Select by expression „USE" = 'Military'

KALAKAKET CREEK AS
WAINWRIGHT AAF
EIELSON AFB
ALLEN AAF
BRYANT AHP
ELMENDORF AFB
BIG MOUNTAIN AFS
NIKOLSKI AS

1 / 8

Layers

☑ ● **airports military — airports**
☐ ● *airports*
☐ — *Clipped*
☐ — *railroads*
☐ — *trails*
☐ — *majrivers*
☐ ■ *builtups*
☐ ■ *alaska*

Statistics

airports_military — airports

1.2 ELEV

Statistic	Value
Mean	593,25
Median	454,5
St dev (pop)	450,804

☐ Selected features only

b.

c.

Expression | Function Editor

```
"ELEV" < 1400
```

= + - / * ^ || ( ) '\n'

Feature: ALLEN AAF

Preview: 1

feature
geometry
id
▸ Aggregates
▸ Arrays
▸ Color
▸ Conditionals
▸ Conversions
▸ Date and Time
▸ Fields and Values
▸ Files and Paths
▸ Fuzzy Matching
▸ General
▸ Geometry
▸ Map Layers
▸ Maps

Search...   Show Help

Help

5. "NAME_2" = 'Bristol Bay'
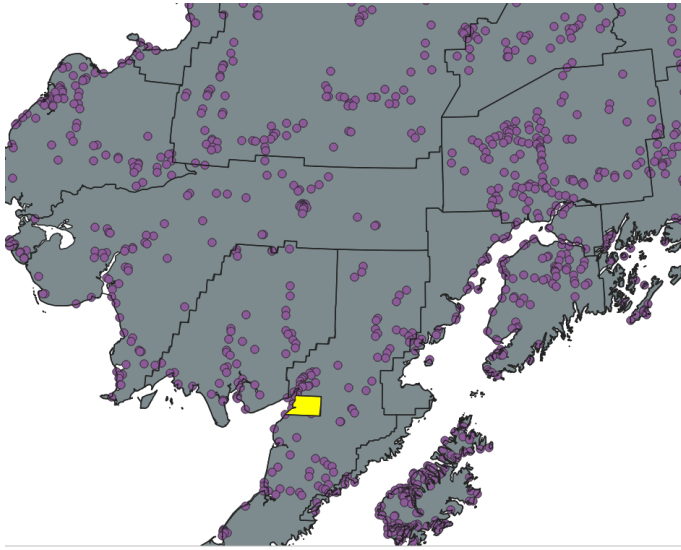
i.   Processing -> Toolbox -> Clip -> Input (popp), output (regions with Bristol Bay select

Statistics

Bristol Bay popp

abc TYPE   ε

Statistic	Value
Count	11
Count (distinct)	6
Count (missing)	0
Minimum	CAMPS
Maximum	SOUTH NAKNEK
Minority	KING SALMON
Majority	CANNERIES

Parameters	Log

Input layer

V° rivers [EPSG:2964]

☐ Selected features only

Distance

100,000000   kilometers

Segments

4

End cap style

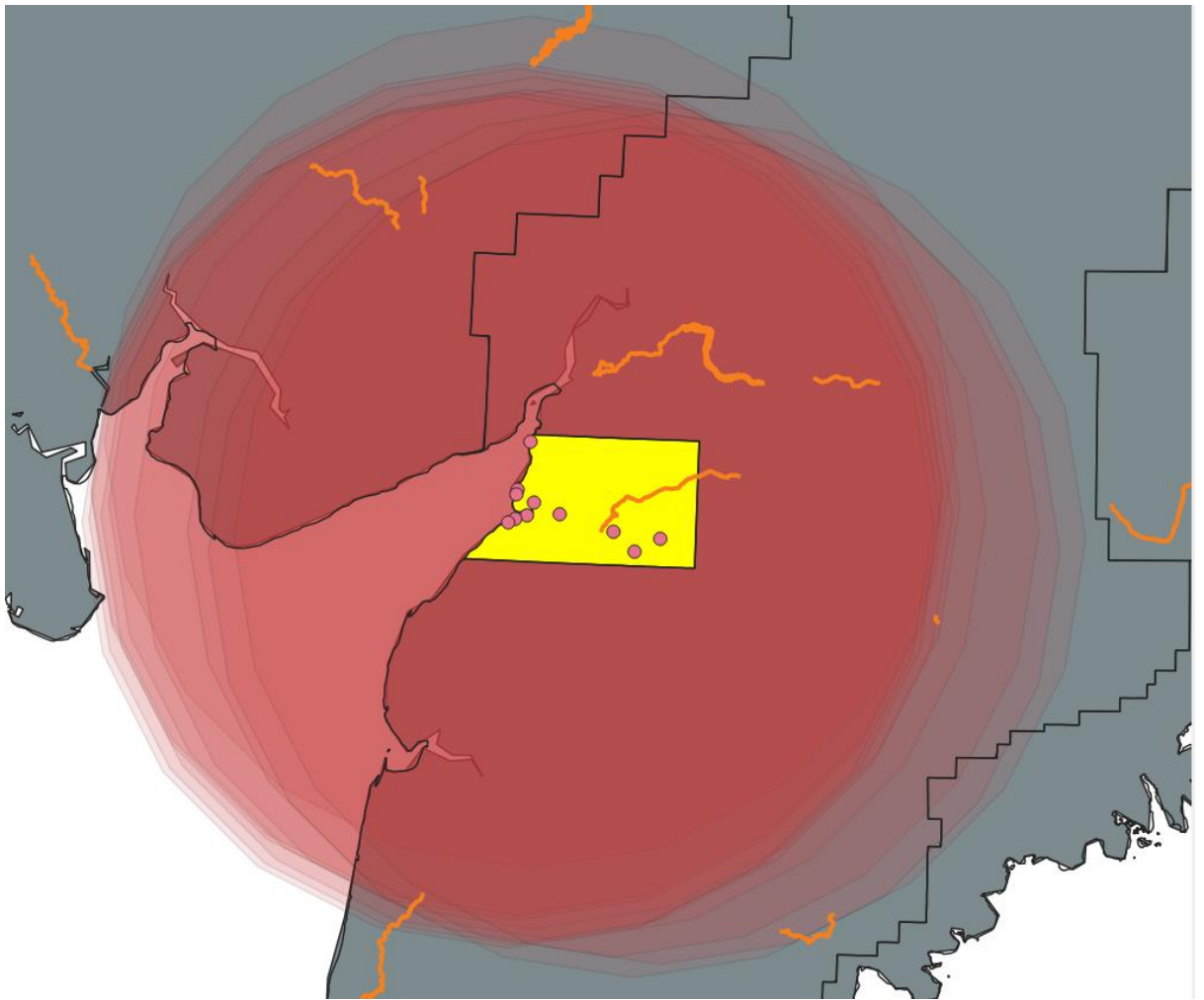Round

Join style

Miter

Miter limit

2,000000

☐ Dissolve result

▶ **Advanced Parameters**

Buffered

6.

7. Processing toolbox -> Vector overlay -> Line intersection
   a. Input: majrivers
   b. Output: railroads

Intersections

1.2 cat

Statistic	Value
Count	8
Sum	246
Mean	30,75
Median	29,5
St dev (pop)	23,0149
St dev (sample)	24,604
Minimum	2
Maximum	56
Range	54
Minority	44
Majority	56
Variety	4
Q1	8,5

Statistics

railroad_nodes

1.2 cat

Statistic	Value
Count	662
Sum	31229
Mean	47,1737
Median	51
St dev (pop)	24,7513
St dev (sample)	24,77
Minimum	1
Maximum	84
Range	83
Minority	22
Majority	64
Variety	84
Q1	29

8.

9.

Statistic	Value
Count	69
Sum	24719,8
Mean	358,257
Median	207,046
St dev (pop)	463,808
St dev (sample)	467,206
Minimum	104,141
Maximum	2679,68
Range	2575,54
Minority	104,141
Majority	104,141
Variety	69
Q1	133,403
Q3	348,311
IQR	214,908
Missing (null) values	0

Statistic	Value
Count	69
Sum	7469
Mean	108,246
Median	65
St dev (pop)	128,021
St dev (sample)	128,959
Minimum	33
Maximum	763
Range	730
Minority	33
Majority	45
Variety	56
Q1	47
Q3	102
IQR	55

Statistics — swamp — 1.2 AREAKM2

Statistics — swamp — 123 vertices

10.

Statistic	Value
Count	69
Sum	860
Mean	12,4638
Median	5
St dev (pop)	21,0985
St dev (sample)	21,2531
Minimum	4
Maximum	113
Range	109
Minority	5
Majority	4
Variety	16
Q1	4
Q3	9
IQR	5
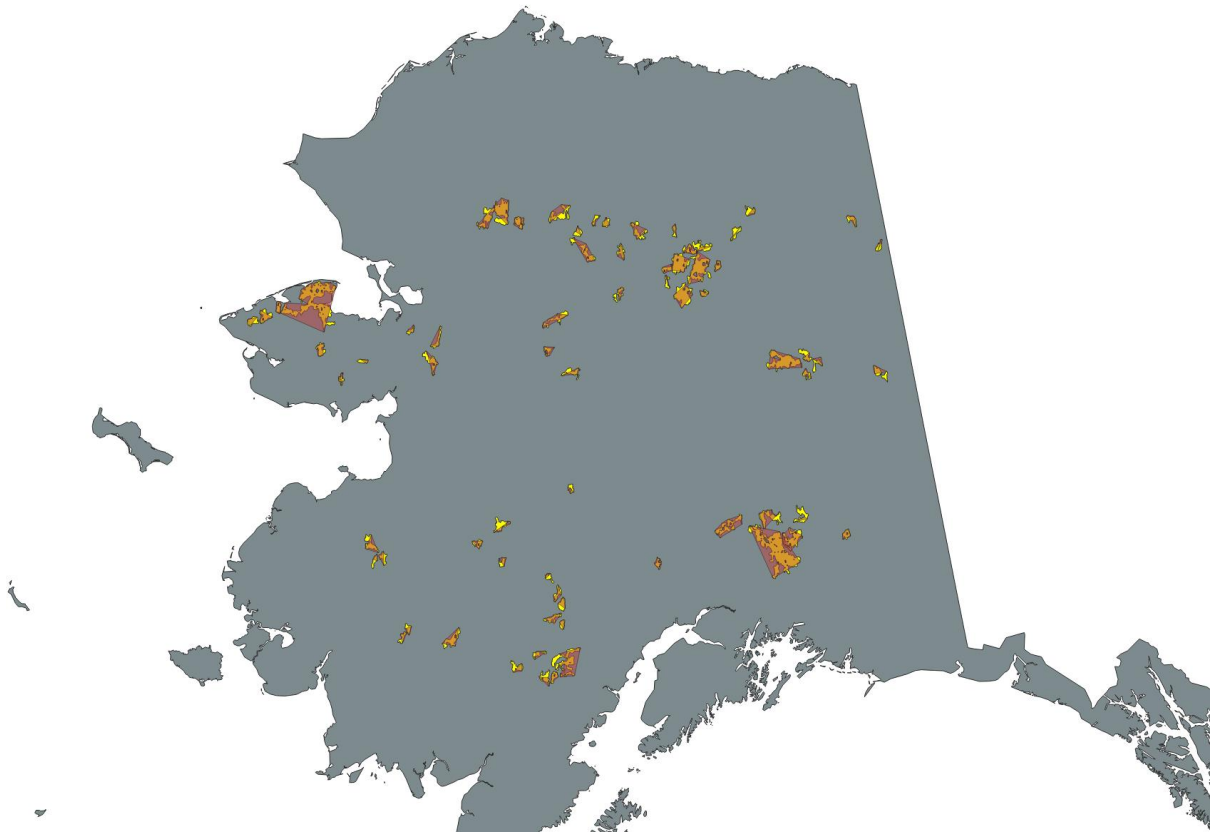
Statistics — Simplified — 123 vertices

Statistic	Value
Count	69
Sum	27166,5
Mean	393,718
Median	136,37
St dev (pop)	803,117
St dev (sample)	809
Minimum	29,011
Maximum	5052,9
Range	5023,88
Minority	29,011
Majority	29,011
Variety	69
Q1	88,024
Q3	320,002
IQR	231,978

Statistics — Simplified — 1.2 AREA_KM2