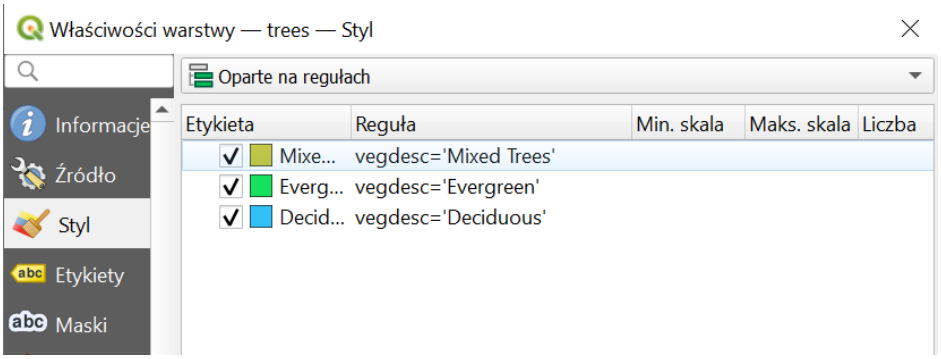
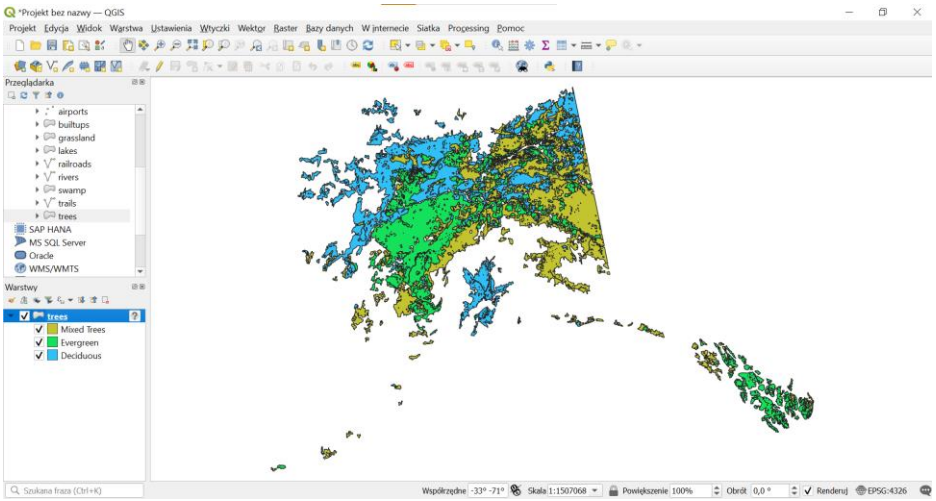
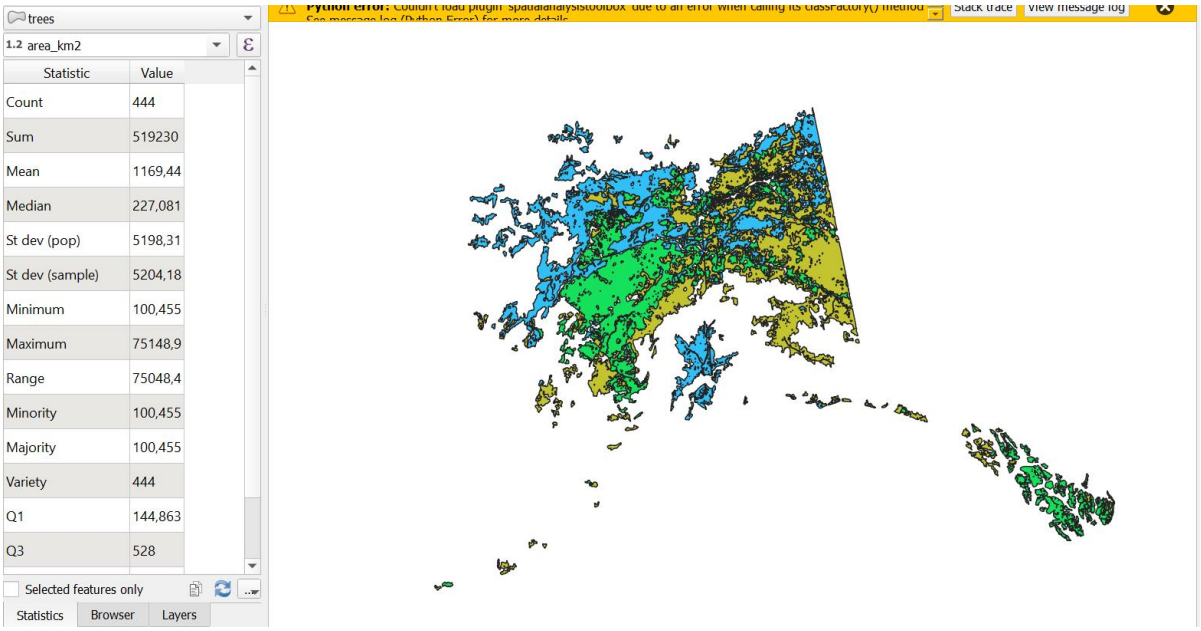
ZADANIE 1





Statistics by category — Features Total: 3, Filtered: 3, Selected: 0

	vegdesc	count	unique	empty	filled	min	max	min_length	max_length	mean_length
1	Deciduous	125	1	0	125	Deciduous	Deciduous	9	9	9
2	Mixed Trees	164	1	0	164	Mixed Trees	Mixed Trees	11	11	11
3	Evergreen	155	1	0	155	Evergreen	Evergreen	9	9	9



Statistics

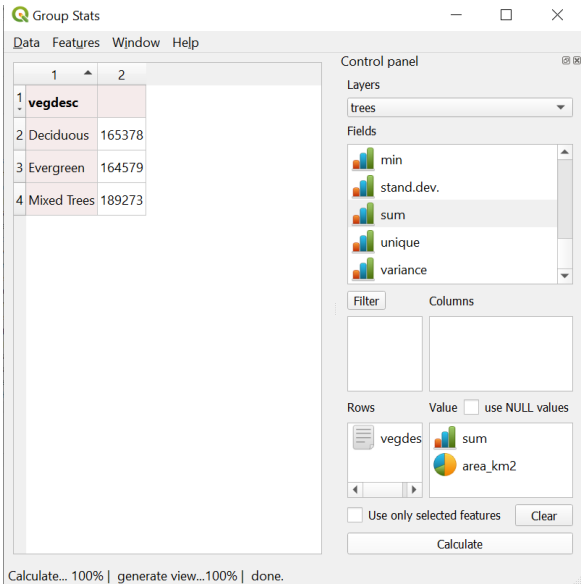
vegdesc_Mixed Trees

1.2 area_km2

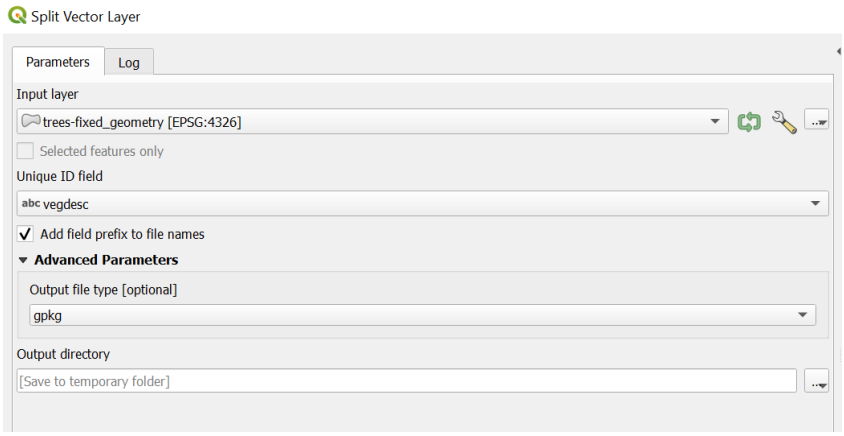
Statistic	Value
Count	164
Sum	189273
Mean	1154,11
Median	223,909
St dev (pop)	4060,74
St dev (sample)	4073,17
Minimum	100,455
Maximum	40966
Range	40865,6
Minority	100,455
Majority	100,455
Variety	164
Q1	134,136
Q3	461,943

Selected features only

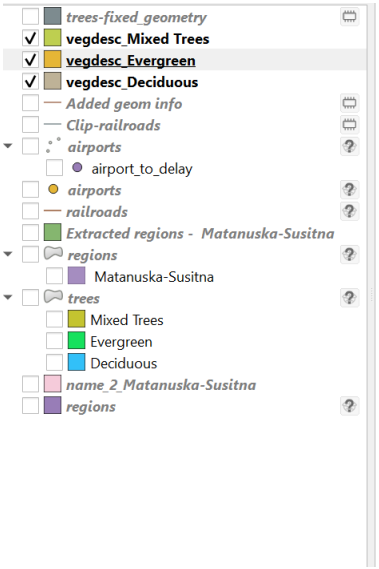
POLE POWIERZCHNI WSZYSTKICH LASÓW O CHARAKTERZE MIESZANYM WYNOSI : 189273 km2

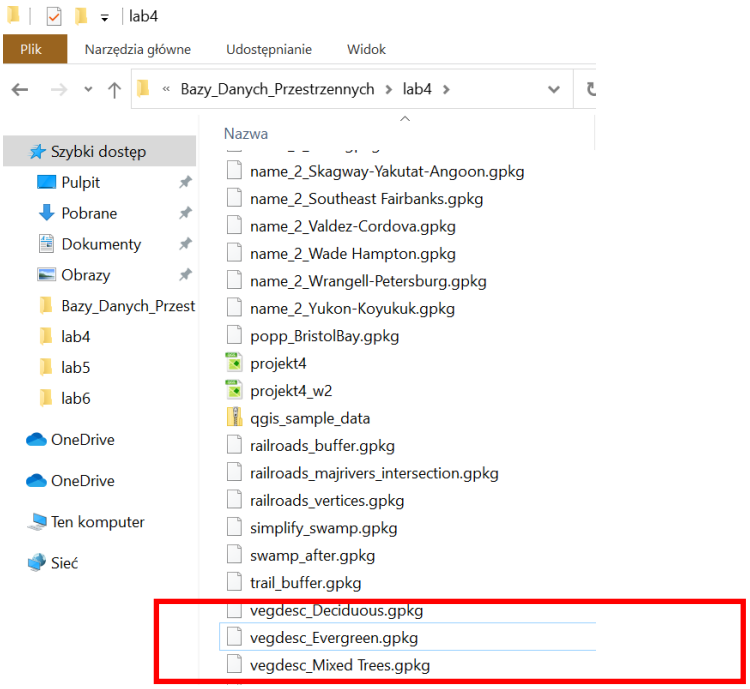


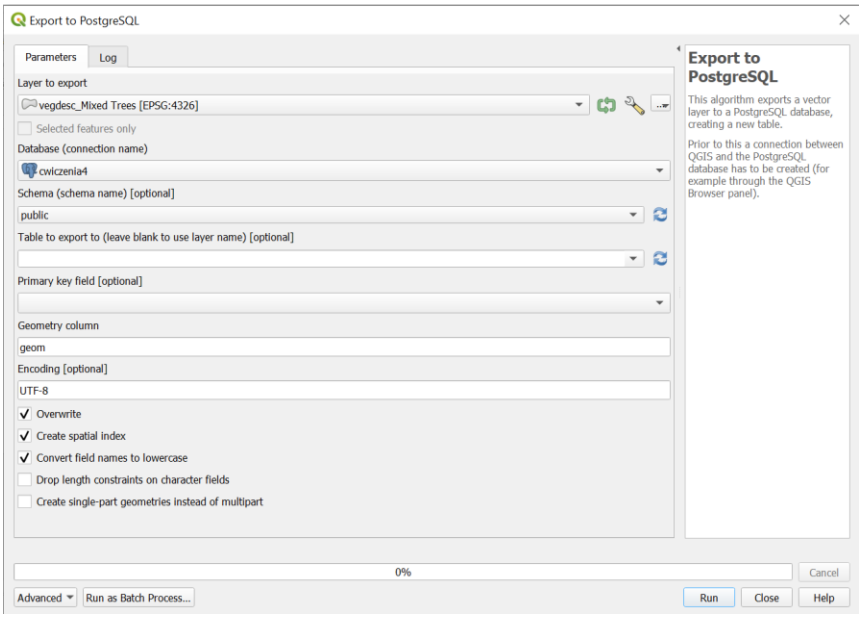
ZADANIE 2

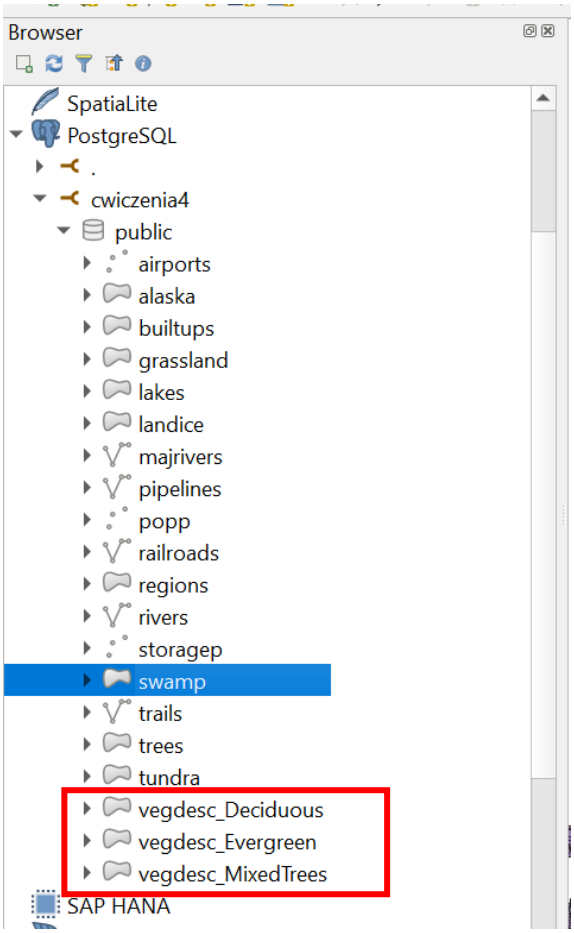


PODZIAŁ DO PLIKÓW .GPKG I EKSPORT DO BAZY DANYCH :



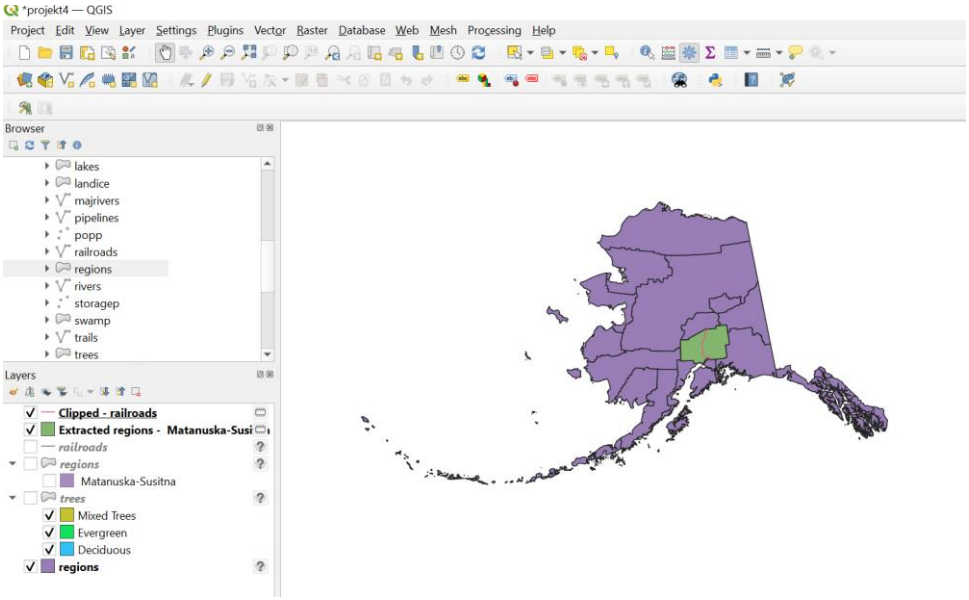


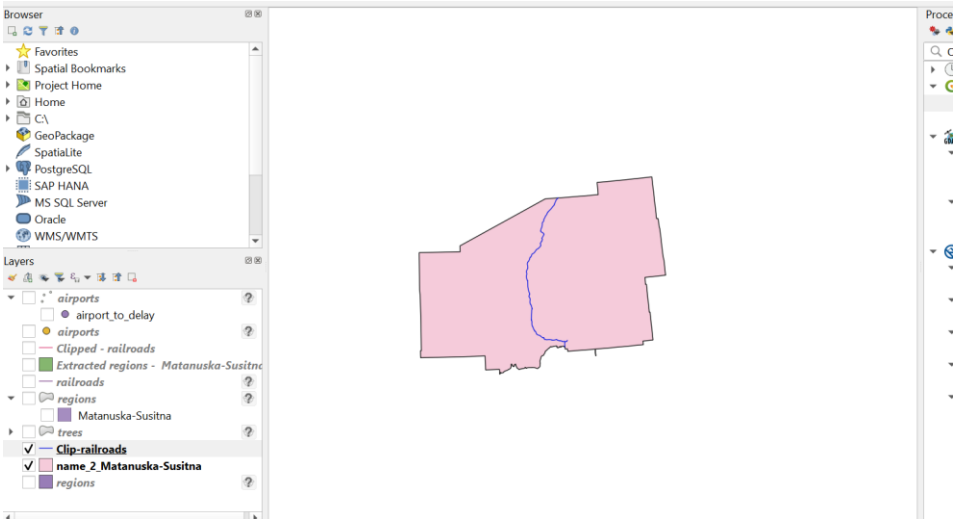

Export to PostgreSQL
Parameters
Log
Layer to export
vegdesc_Mixed Trees [EPSG:4326]
Selected features only
Database (connection name)
cwiczenia4
Schema (schema name) [optional]
public
Table to export to (leave blank to use layer name) [optional]
Primary key field [optional]
Geometry column
geom
Encoding [optional]
UTF-8
Overwrite
Create spatial index
Convert field names to lowercase
Drop length constraints on character fields
Create single-part geometries instead of multipart
Export to PostgreSQL
This algorithm exports a vector layer to a PostgreSQL database, creating a new table.
Prior to this a connection between QGIS and the PostgreSQL database has to be created (for example through the QGIS Browser panel).
0%
Cancel
Advanced
Run as Batch Process...
Run
Close
Help


Browser
SpatiaLite
PostgreSQL
.
cwiczenia4
public
airports
alaska
builtups
grassland
lakes
landice
majrivers
pipelines
popp
railroads
regions
rivers
storagep
swamp
trails
trees
tundra
vegdesc_Deciduous
vegdesc_Evergreen
vegdesc_MixedTrees
SAP HANA

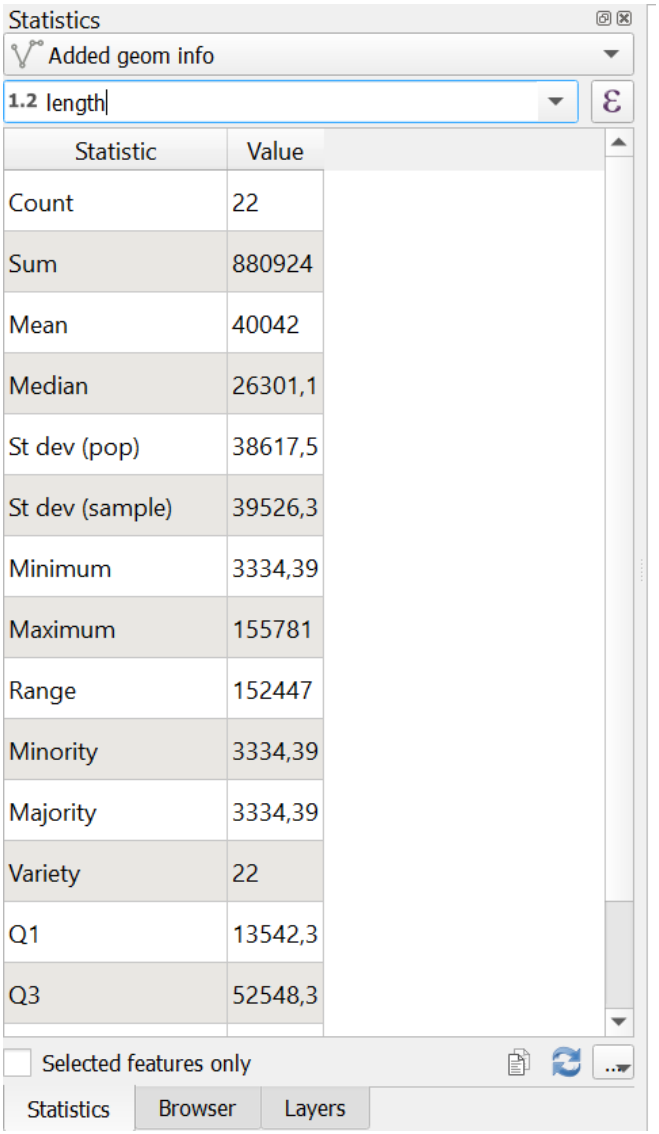
ZADANIE 3


Clip
Parameters
Log
Input layer
railroads []
Selected features only
Overlay layer
name_2_Matanuska-Susitna []
Selected features only
Clipped
C:/Users/Ewelina/Desktop/7_SEMESTR/Bazy_Danych_Przestrzennych/lab4/Clip-railroads.gpkg
Open output file after running algorithm
Clip
This algorithm clips a vector layer using the features of an additional polygon layer. Only the parts of the features in the Input layer that fall within the polygons of the Overlay layer will be added to the resulting layer.
The attributes of the features are not modified, although properties such as area or length of the features will be modified by the clipping operation. If such properties are stored as attributes, those attributes will have to be manually updated.
0%
Cancel
Advanced
Run as Batch Process...
Run
Close
Help


*projekt4 — QGIS
Project Edit View Layer Settings Plugins Vector Raster Database Web Mesh Processing Help
Browser
lakes
landice
majrivers
pipelines
popp
railroads
regions
rivers
storagep
swamp
trails
trees
Layers
Clipped - railroads
Extracted regions - Matanuska-Susi
railroads
regions
Matanuska-Susitna
trees
Mixed Trees
Evergreen
Deciduous
regions

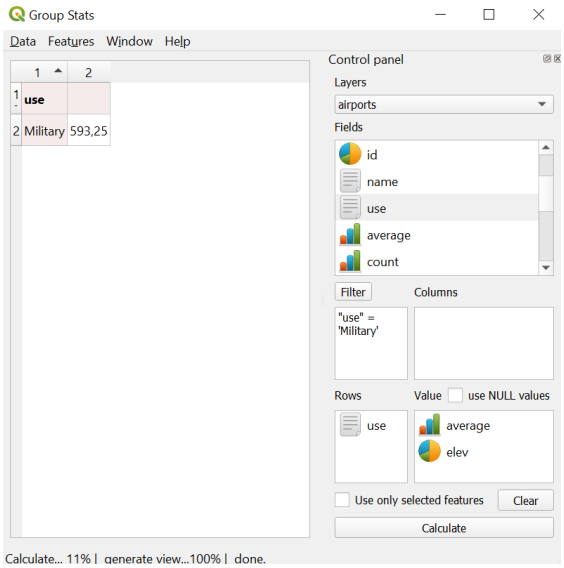

Browser
Favorites
Spatial Bookmarks
Project Home
Home
C:\
GeoPackage
SpatiaLite
PostgreSQL
SAP HANA
MS SQL Server
Oracle
WMS/WMTS
Layers
airports
airport_to_delay
airports
Clipped - railroads
Extracted regions - Matanuska-Susitna
railroads
regions
Matanuska-Susitna
trees
Clip-railroads
name_2_Matanuska-Susitna
regions

DŁUGOŚĆ LINII KOLEJOWYCH DLA REGIONU MATANUSKA-SUSITNA: 880924

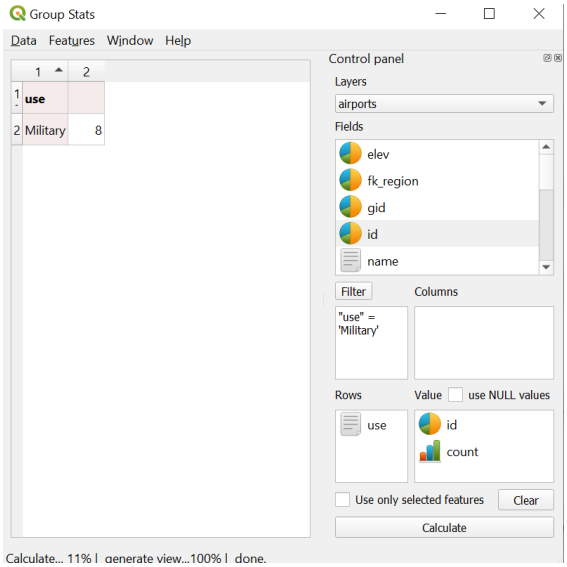


ZADANIE 4

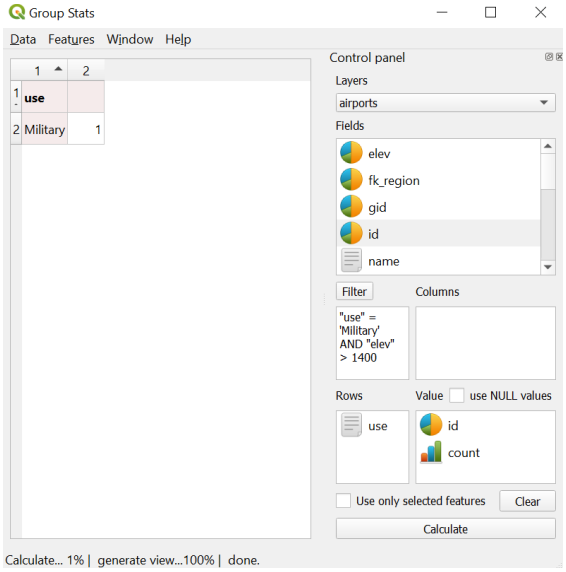
LOTNISKA O CHARAKTERZE MILITARNYM SĄ ŚREDNIO POŁOŻONE NA WYSOKOŚCI 593,25 M.N.P.M.



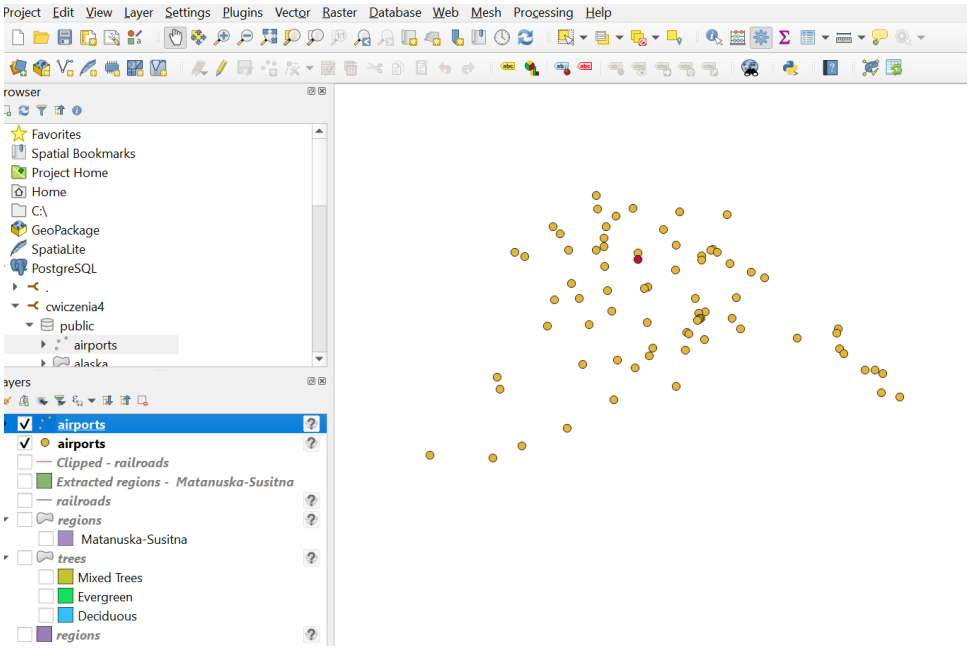
LOTNISK O CHARAKTERZE MILITARNYM JEST 8.



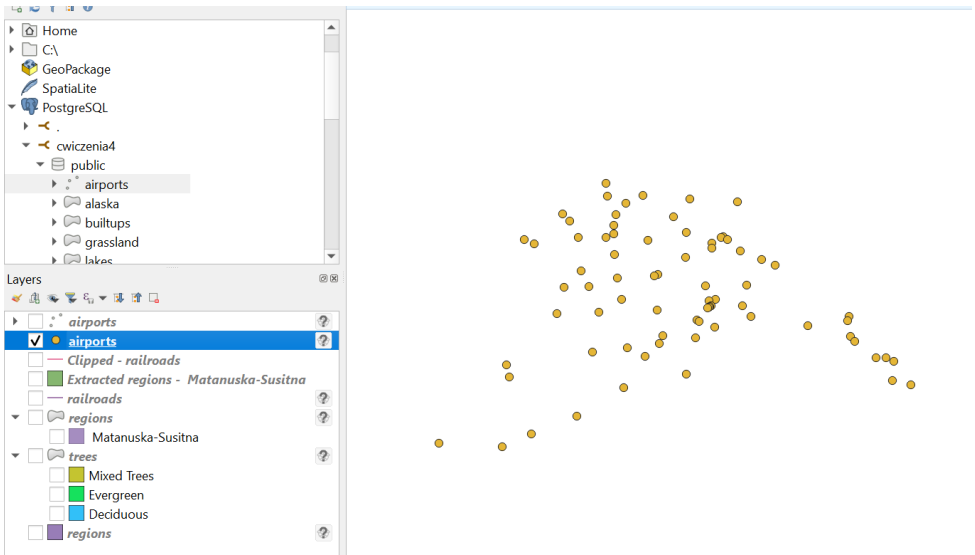
JEST 1 LOTNISKO O CHARAKTERZE MILITARNYM, KTÓRE JEST DODATKOWO POŁOŻONE POWYŻEJ 1400 m n.p.m :



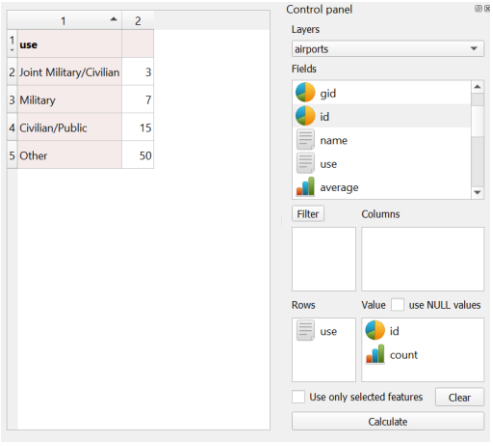
Usuwamy z warstwy airports lotniska o charakterze militarnym, które są dodatkowo położone powyżej 1400 m n.p.m. I - czerwony punkcik to lotnisko które trzeba usunąć:



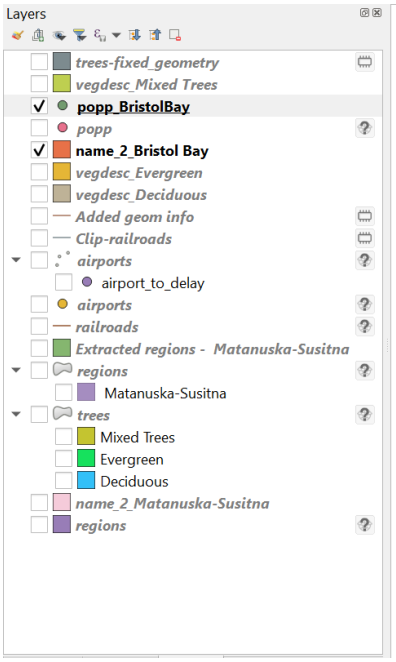
PO USUNIĘCIU:

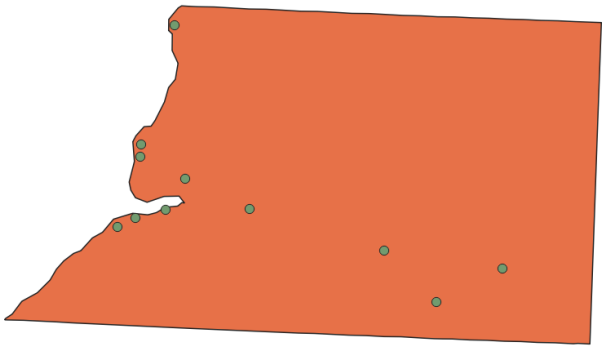


ILOŚĆ LOTNISK O CHARAKTERZE MILITARNYM PO USUNIĘCIU LOTNISKA (7) :

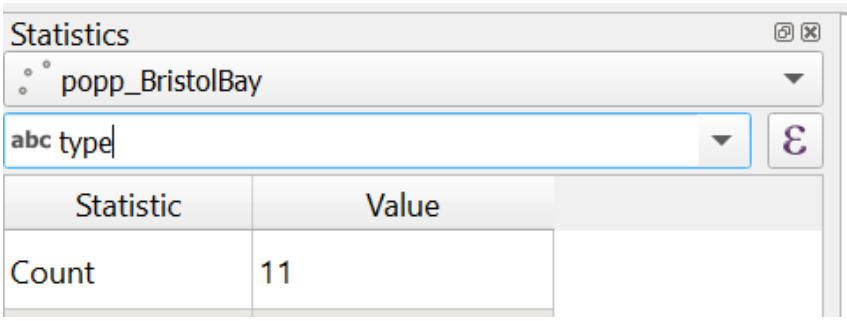


ZADANIE 5



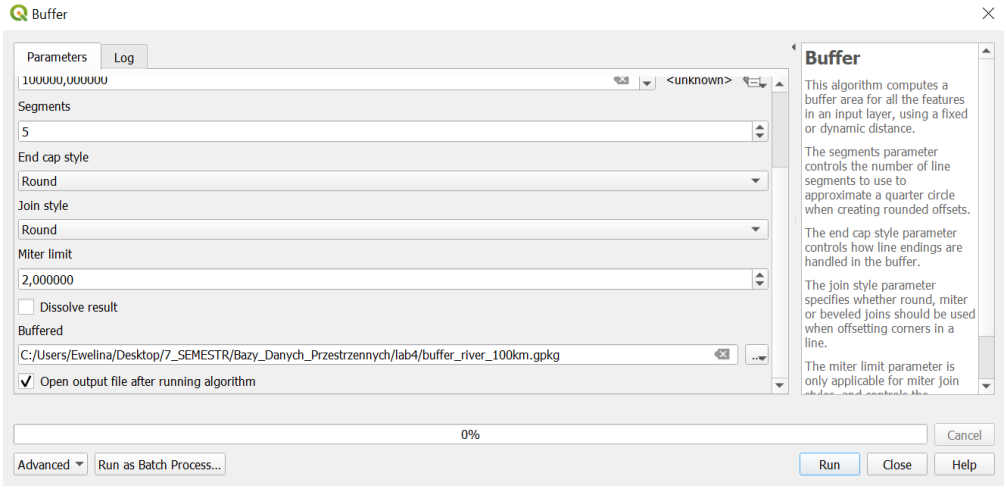


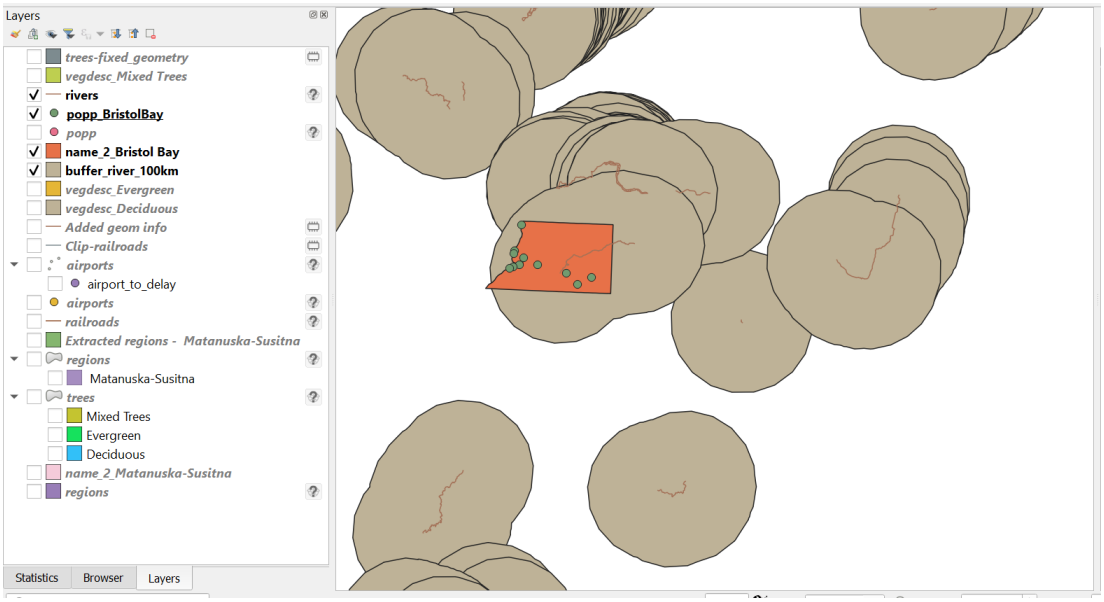
JEST 11 BUDYNKÓW POŁOŻONYCH W REGIONIE BRISTOL BAY



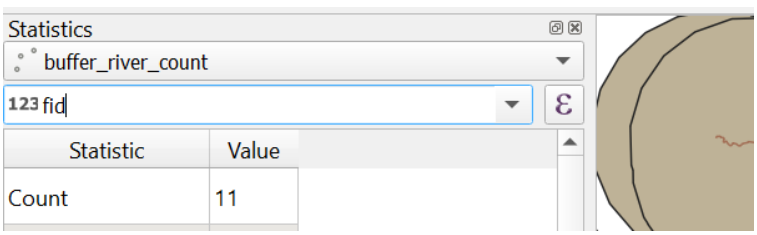
ZADANIE 6

100km=100000m

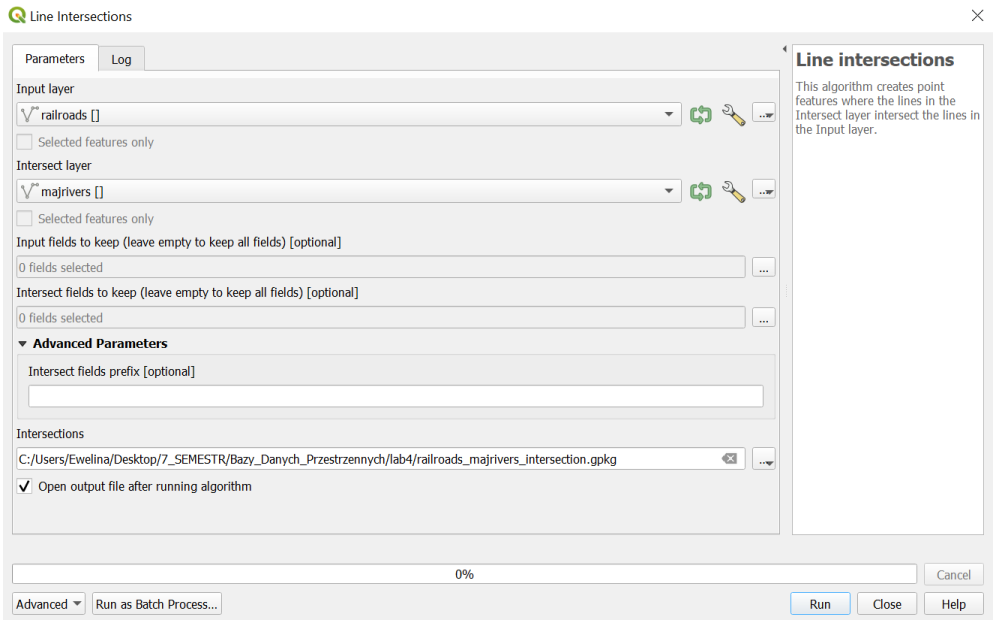


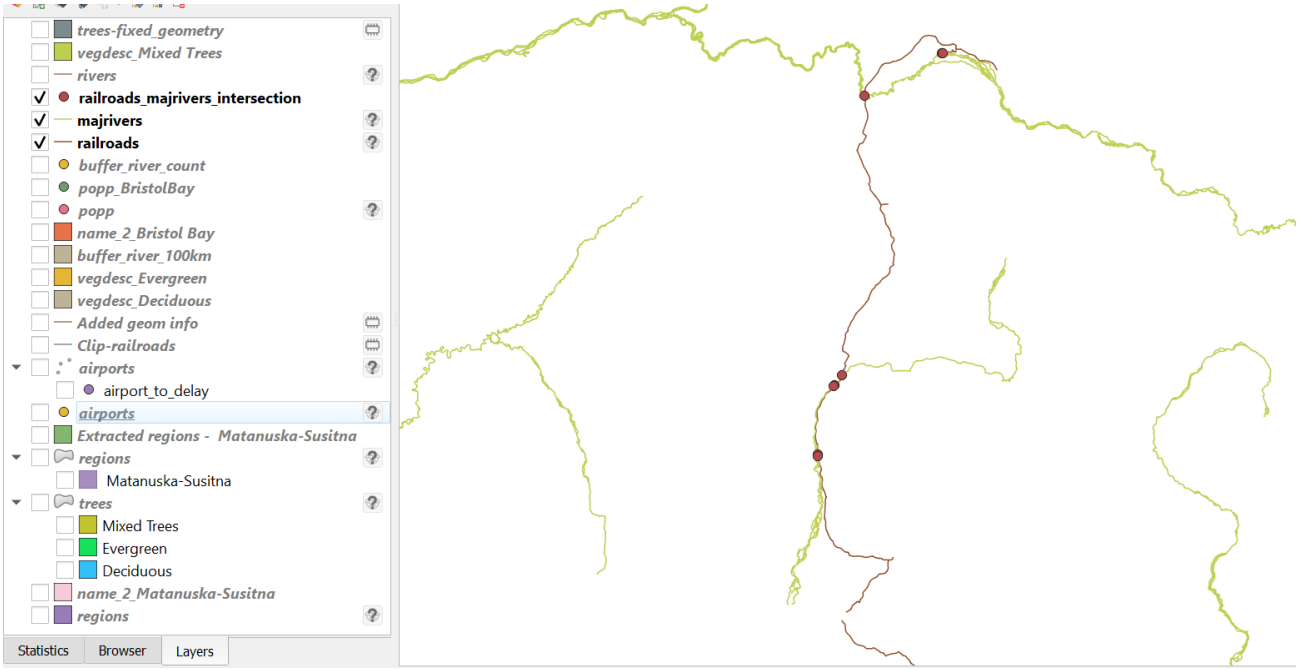


WEWNĄTRZ BUFORU ZNAJDUJE SIĘ 11 BUDYNKÓW:

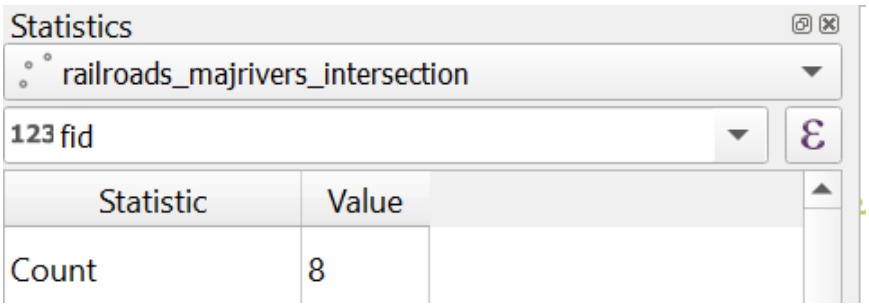


ZADANIE 7

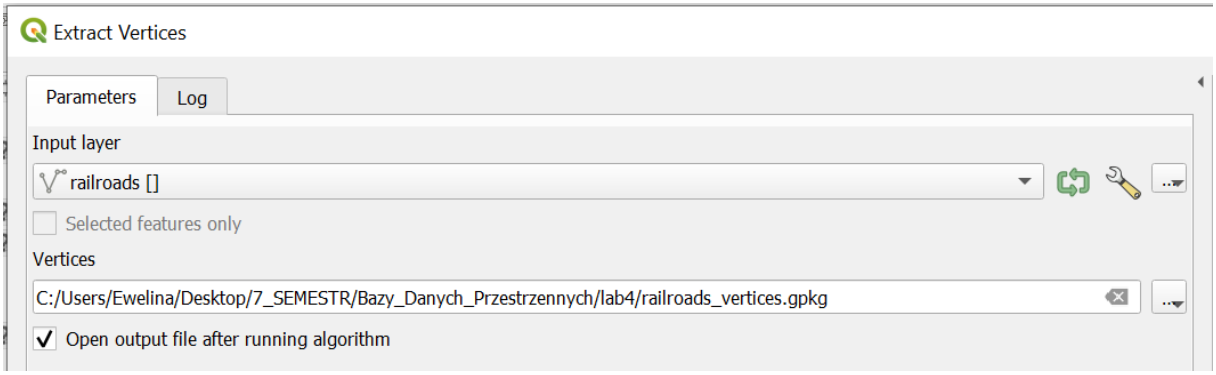


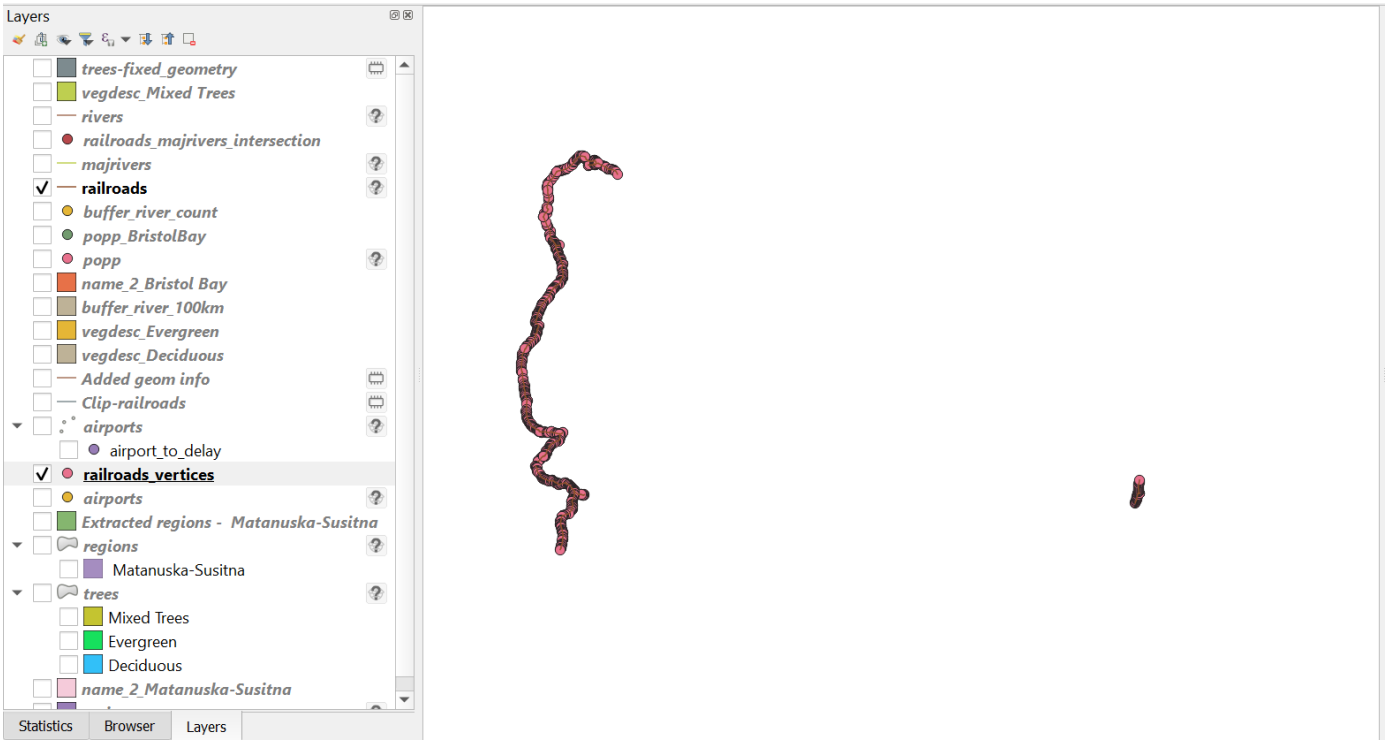


RZEKI (MAJRIVERS) Z LINIAMI KOLEJOWYMI (RAILROADS) PRZECINAJĄ SIĘ W 8 MIEJSCACH:

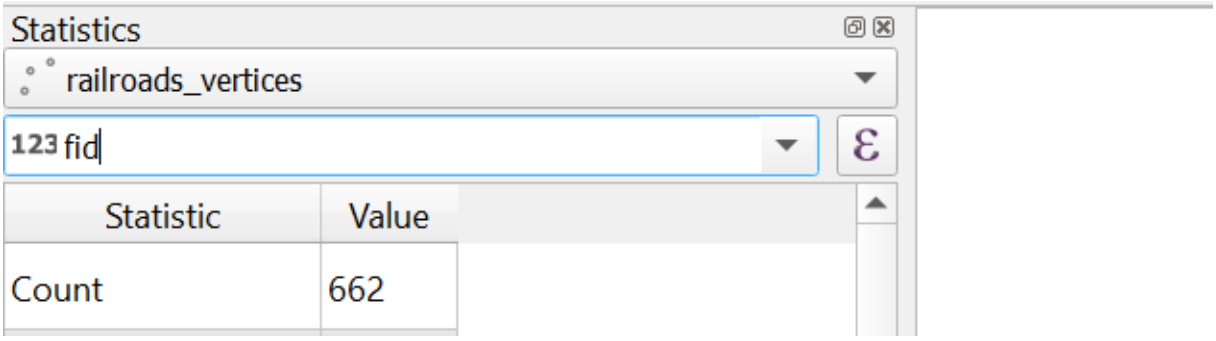


ZADANIE 8

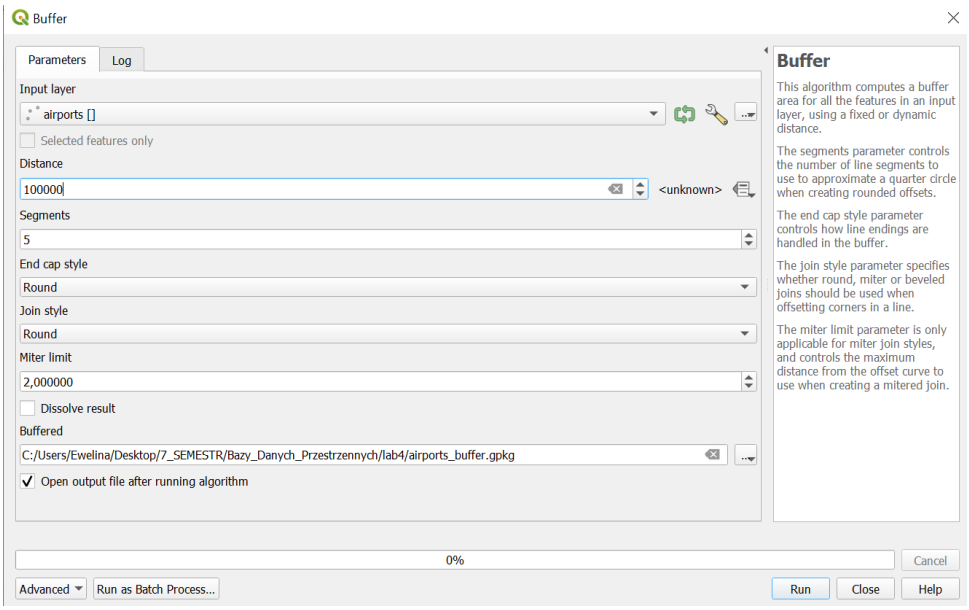


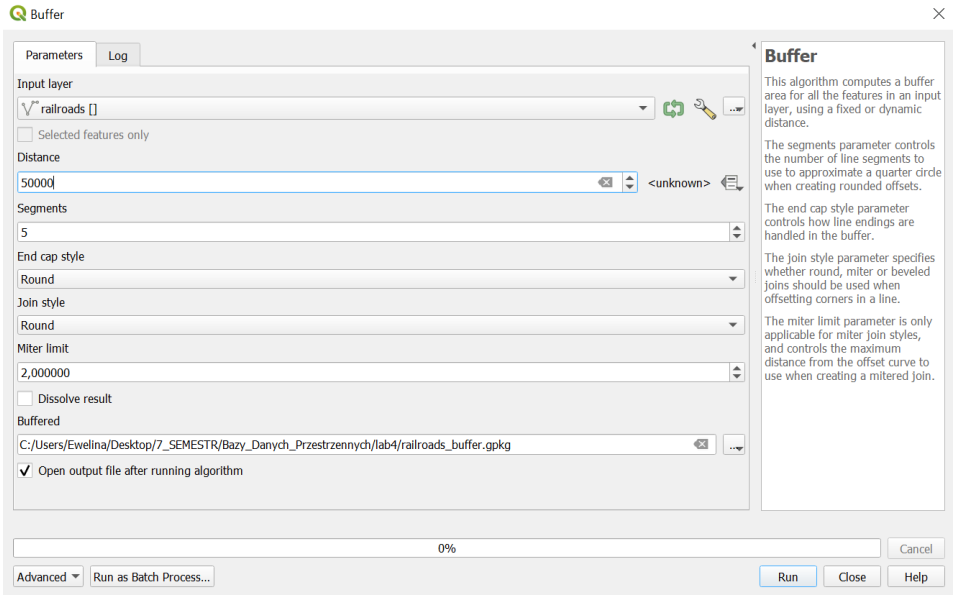


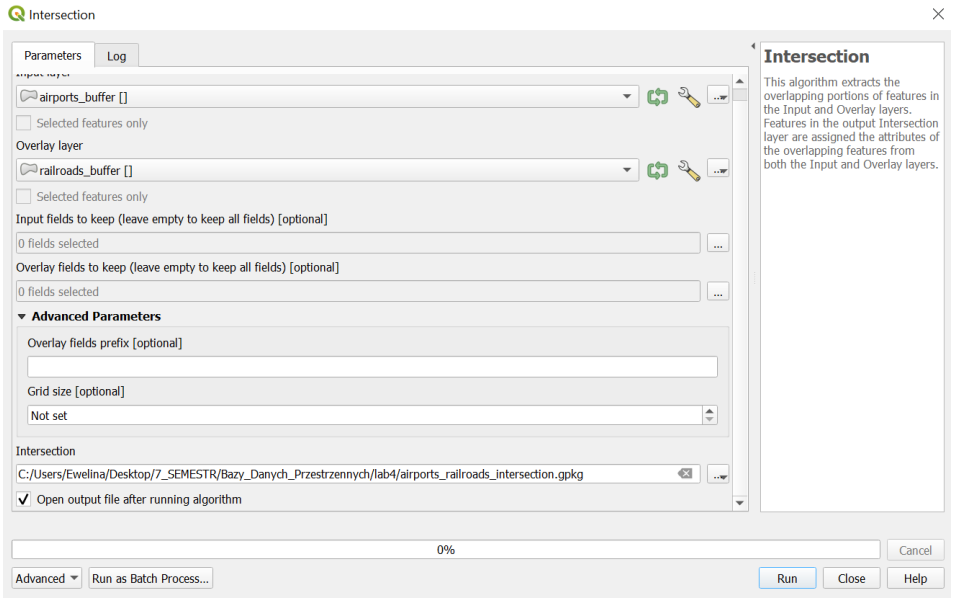
JEST 662 WĘZŁÓW DLA WARSTWY RAILROADS:



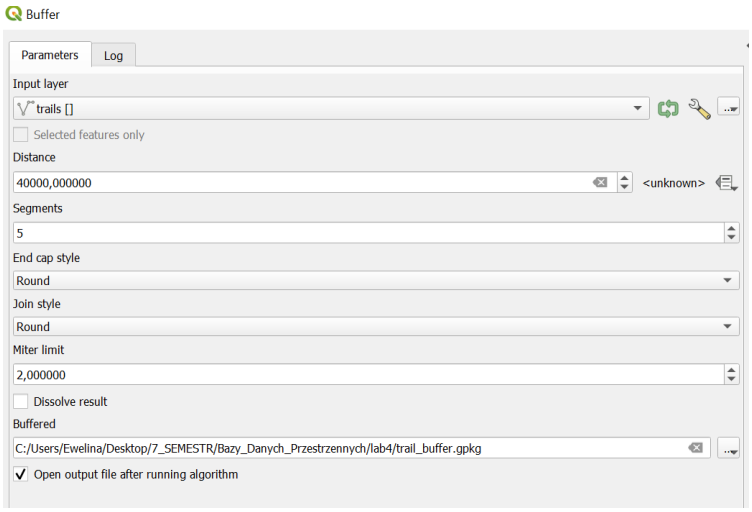
ZADANIE 9

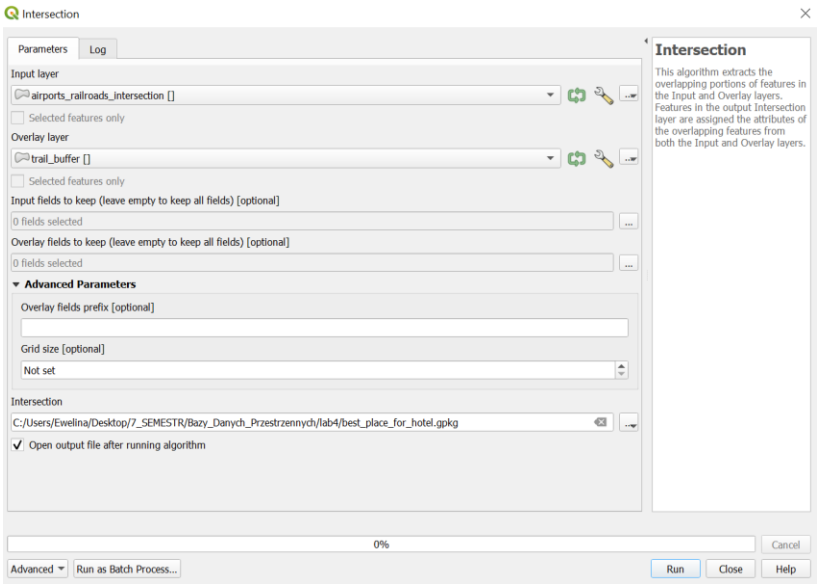

Buffer
Parameters
Log
Input layer
airports []
Selected features only
Distance
100000
<unknown>
Segments
5
End cap style
Round
Join style
Round
Miter limit
2,000000
Dissolve result
Buffered
C:/Users/Ewelina/Desktop/7_SEMESTR/Bazy_Danych_Przestrzennych/lab4/airports_buffer.gpkg
Open output file after running algorithm
Buffer
This algorithm computes a buffer area for all the features in an input layer, using a fixed or dynamic distance.
The segments parameter controls the number of line segments to use to approximate a quarter circle when creating rounded offsets.
The end cap style parameter controls how line endings are handled in the buffer.
The join style parameter specifies whether round, miter or beveled joins should be used when offsetting corners in a line.
The miter limit parameter is only applicable for miter join styles, and controls the maximum distance from the offset curve to use when creating a mitered join.
0%
Cancel
Advanced
Run as Batch Process...
Run
Close
Help


Buffer
Parameters
Log
Input layer
railroads []
Selected features only
Distance
50000
<unknown>
Segments
5
End cap style
Round
Join style
Round
Miter limit
2,000000
Dissolve result
Buffered
C:/Users/Ewelina/Desktop/7_SEMESTR/Bazy_Danych_Przestrzennych/lab4/railroads_buffer.gpkg
Open output file after running algorithm
Buffer
This algorithm computes a buffer area for all the features in an input layer, using a fixed or dynamic distance.
The segments parameter controls the number of line segments to use to approximate a quarter circle when creating rounded offsets.
The end cap style parameter controls how line endings are handled in the buffer.
The join style parameter specifies whether round, miter or beveled joins should be used when offsetting corners in a line.
The miter limit parameter is only applicable for miter join styles, and controls the maximum distance from the offset curve to use when creating a mitered join.
0%
Cancel
Advanced
Run as Batch Process...
Run
Close
Help

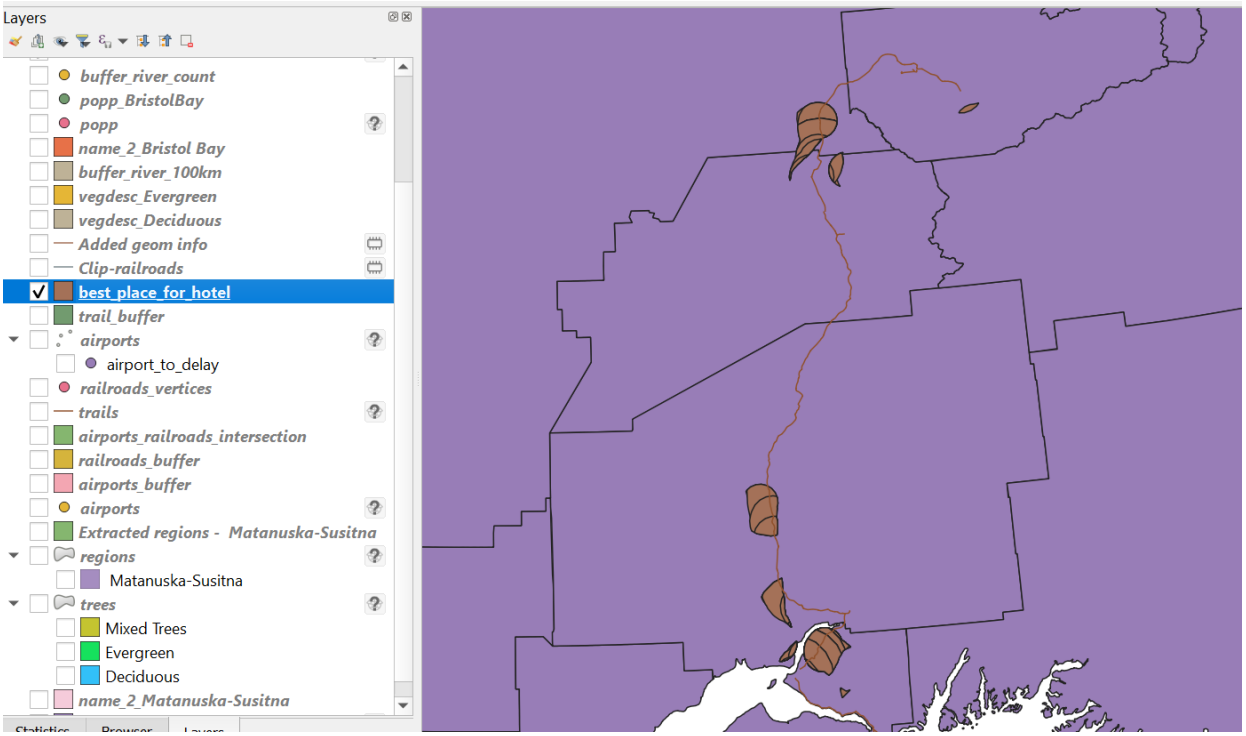

Intersection
Parameters
Log
airports_buffer []
Selected features only
Overlay layer
railroads_buffer []
Selected features only
Input fields to keep (leave empty to keep all fields) [optional]
0 fields selected
Overlay fields to keep (leave empty to keep all fields) [optional]
0 fields selected
Advanced Parameters
Overlay fields prefix [optional]
Grid size [optional]
Not set
Intersection
C:/Users/Ewelina/Desktop/7_SEMESTR/Bazy_Danych_Przestrzennych/lab4/airports_railroads_intersection.gpkg
Open output file after running algorithm
Intersection
This algorithm extracts the overlapping portions of features in the Input and Overlay layers. Features in the output Intersection layer are assigned the attributes of the overlapping features from both the Input and Overlay layers.
0%
Cancel
Advanced
Run as Batch Process...
Run
Close
Help

HOTELE MUSZĄ LEŻEĆ W ODLEGOŚCI MAX 40km od drogi





OBSZARY, W KTÓRYCH NAJLEPIEJ WYBUDOWAĆ HOTEL:



ZADANIE 10

ZREDUKOWANYCH ZOSTAŁO 808 WIERZCHOŁKÓW:

Extract Vertices

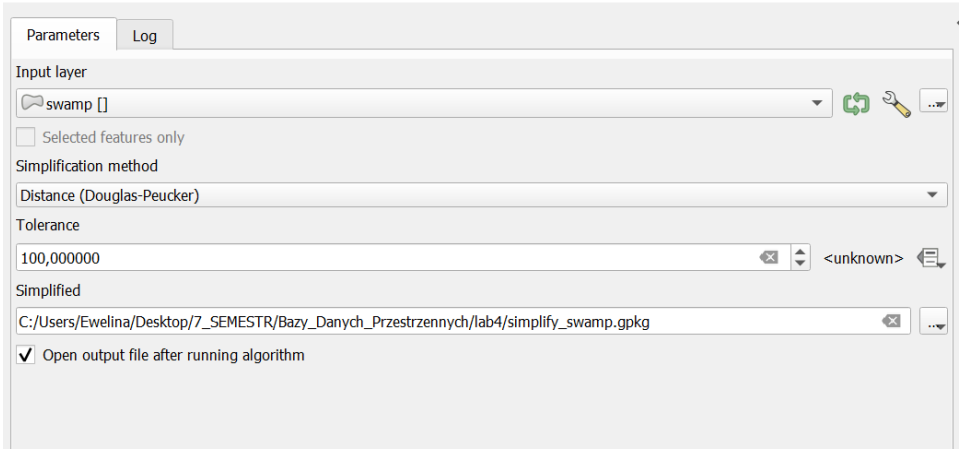
Statistics

verticles_swamp_before

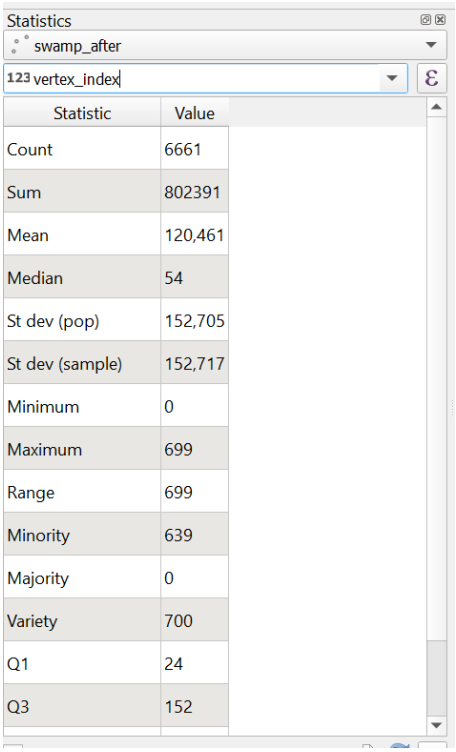
123 vertex_index

Statistic	Value
Count	7469
Sum	965948
Mean	129,328
Median	59
St dev (pop)	163,872
St dev (sample)	163,883
Minimum	0
Maximum	762
Range	762
Minority	697
Majority	0
Variety	763
Q1	27
Q3	162

Simplify



Extract Vertices



POLE POWIERZCHNI CAŁKOWITEJ POLIGONÓW NIE ULEGŁO ZMIANIE: