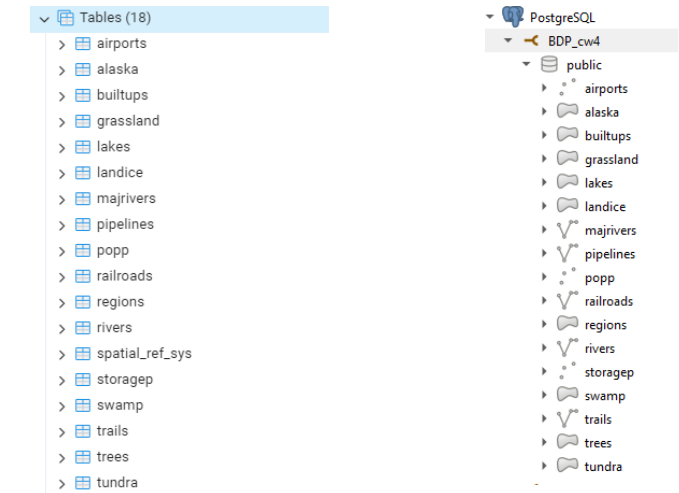
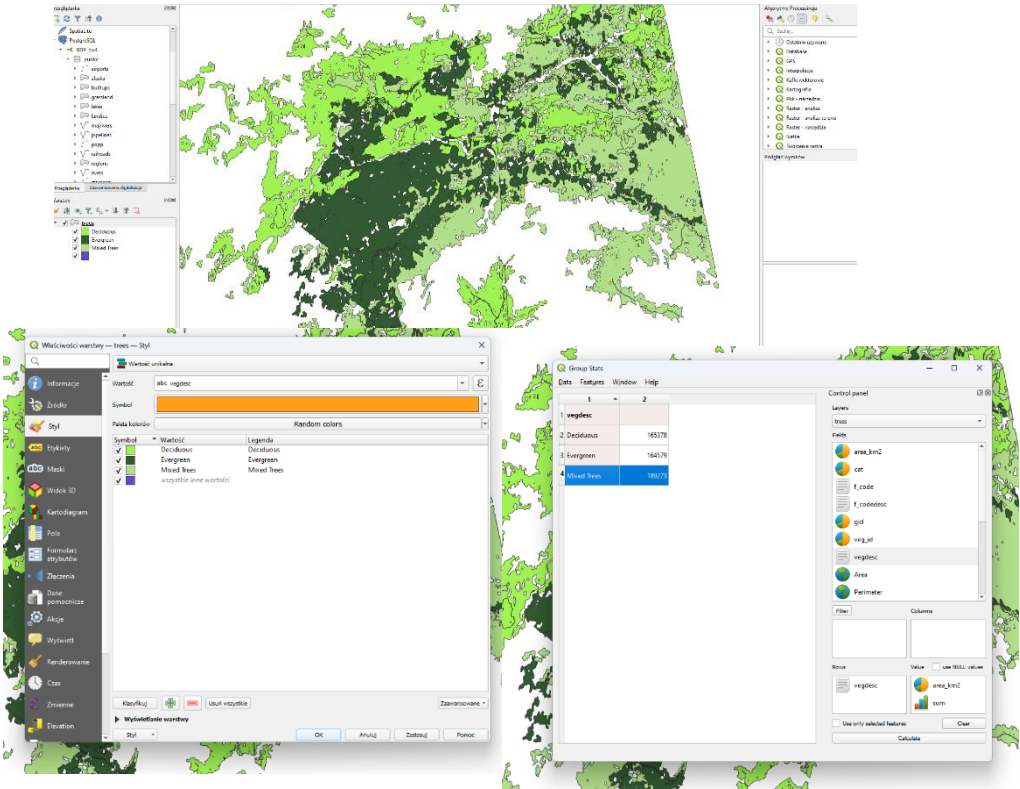


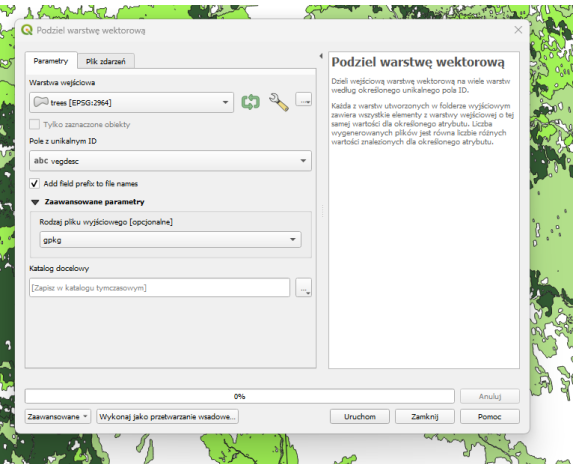
Nawiązanie połączenia z bazą danych



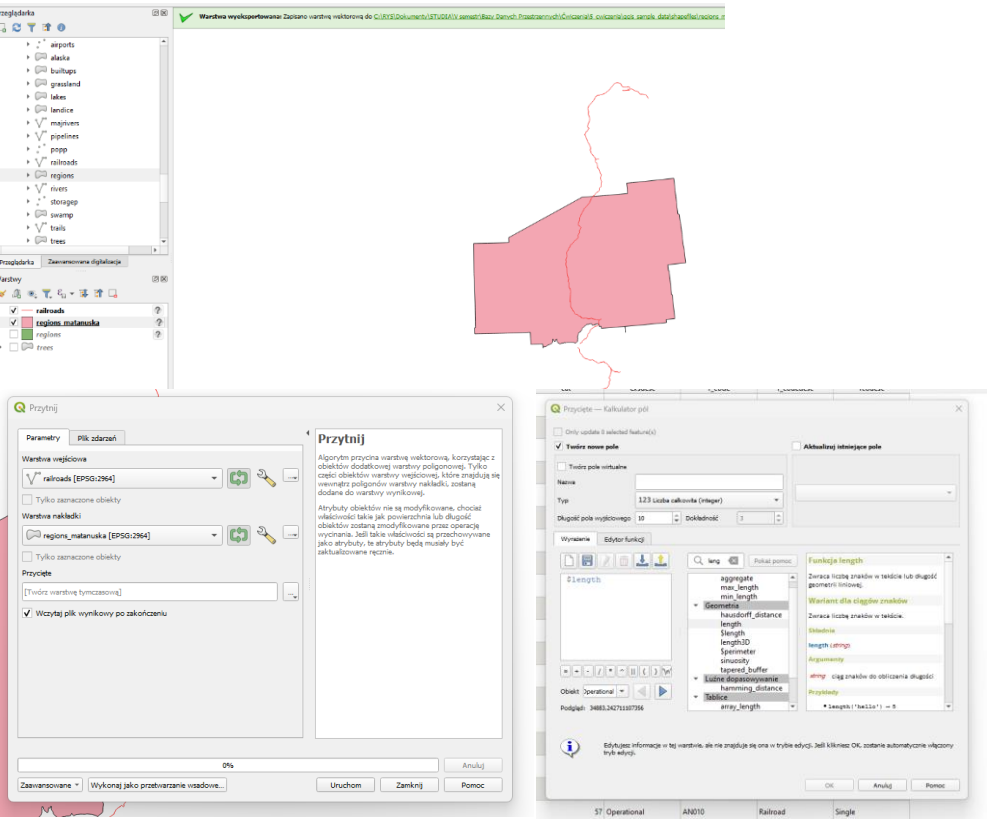
1.



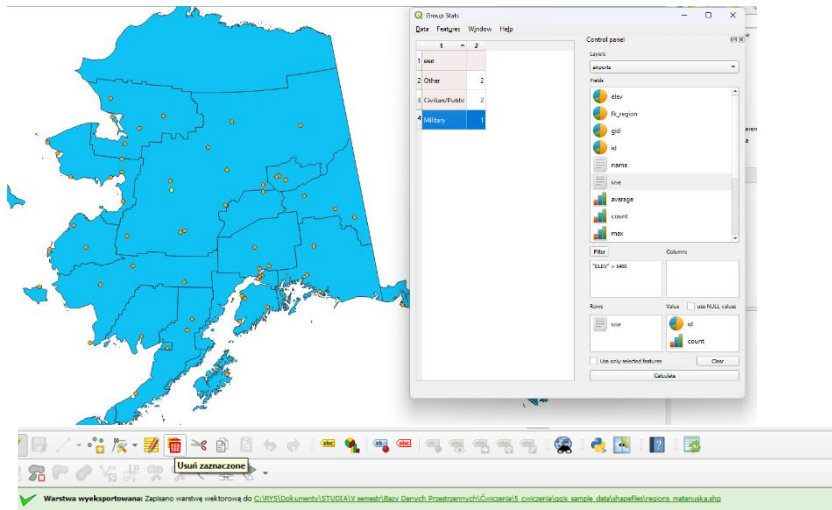
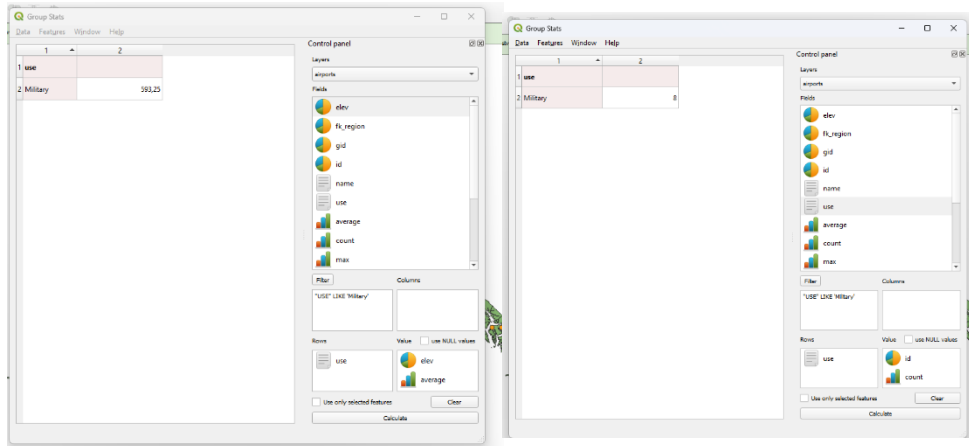
2.



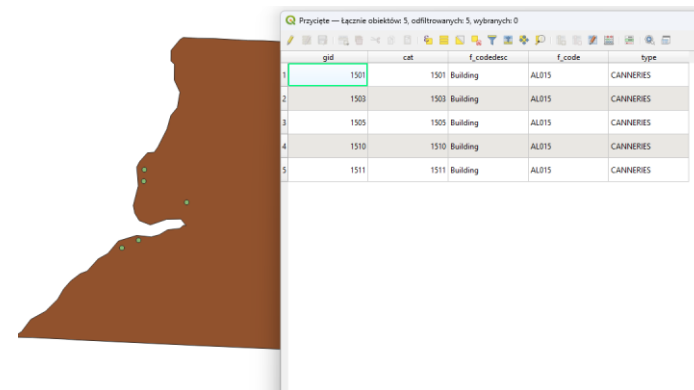
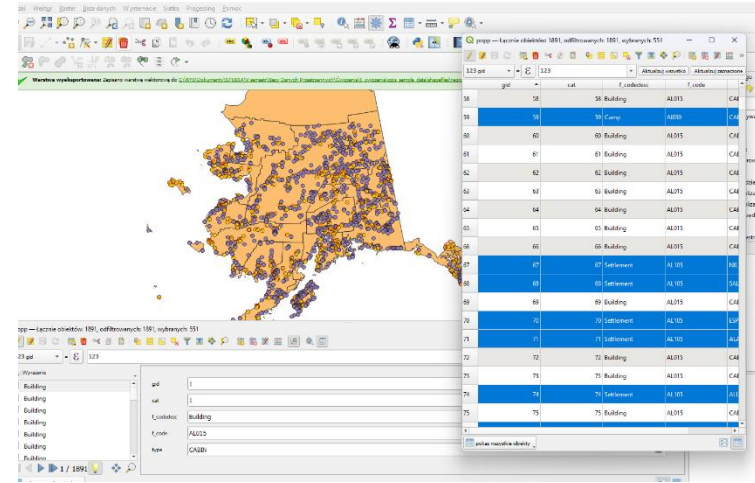
3.



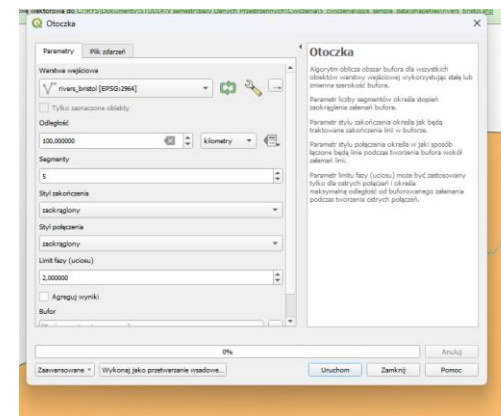
4.



5.



6.

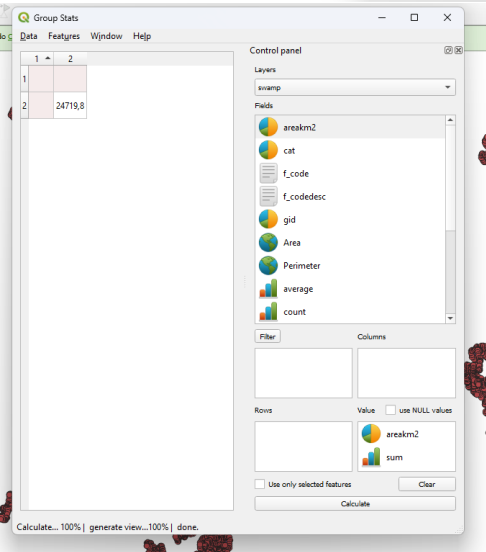
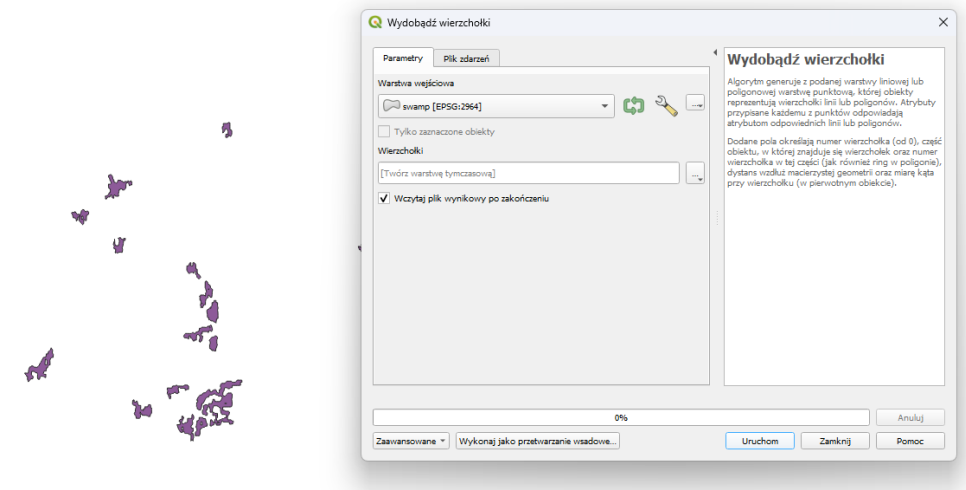


The screenshot shows a GIS application interface. On the left, a map displays a river network with blue lines for the main channels and red lines for tributaries. Several green dots are placed along the river segments. On the right, a window titled 'Przecięcia' (Intersections) is open, showing a table of intersection data. The table has four columns: 'gid', 'cat', 'exsdsc', and 'f_code'. The first row is highlighted with a green border, indicating it is the selected record. Below the table, there is a button labeled 'pokaż wszystkie obiekty' (show all objects).

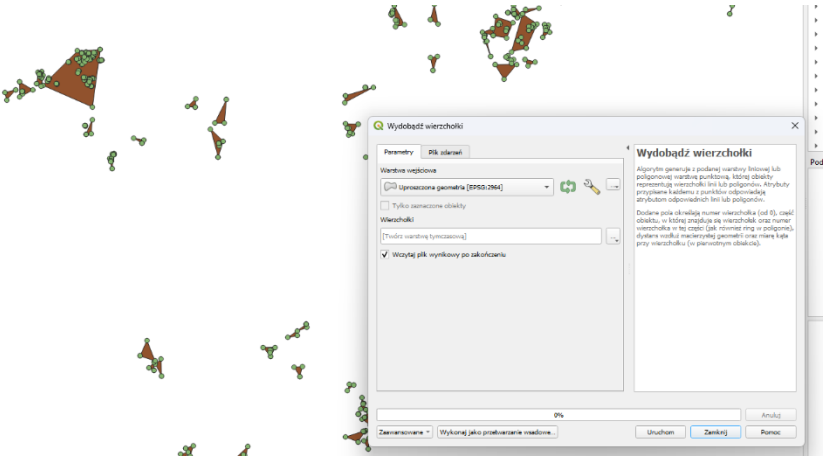
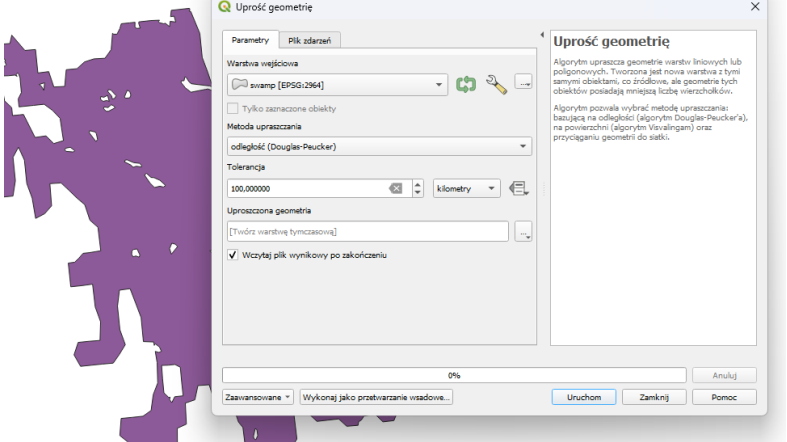
gid	cat	exsdsc	f_code
2	2	Operational	AN010
2	2	Operational	AN010
15	15	Operational	AN010
15	15	Operational	AN010
44	44	Operational	AN010
56	56	Operational	AN010
56	56	Operational	AN010
56	56	Operational	AN010

pokaż wszystkie obiekty

The screenshot shows the 'Wydobądź wierzchołki' (Extract Vertices) dialog in QGIS. The 'Parametry' (Parameters) tab is selected. Under 'Warstwa wejściowa' (Input layer), 'railroads [EPSG:2964]' is chosen. The 'Wierzchołki' (Vertices) section is active, showing a preview of the extracted vertices as red dots along the railroad lines. The 'Wczytaj plik wynikowy po zakończeniu' (Load output file after completion) checkbox is checked. The status bar at the bottom indicates: 'Wierzchołki — łącznie obiektów: 662, odfiltrowanych: 662, wybranych: 0'.



Wierzchołki_swamp — łącznie obiektów: 7469, odfiltrowanych: 7469, wybranych: 0



Wierzchołki — łącznie obiektów: 839, odfiltrowanych: 839, wybranych: 0