**Diagram

Description automatically generated with medium confidence**

**Geographical Information Systems**

**Assignment 1**

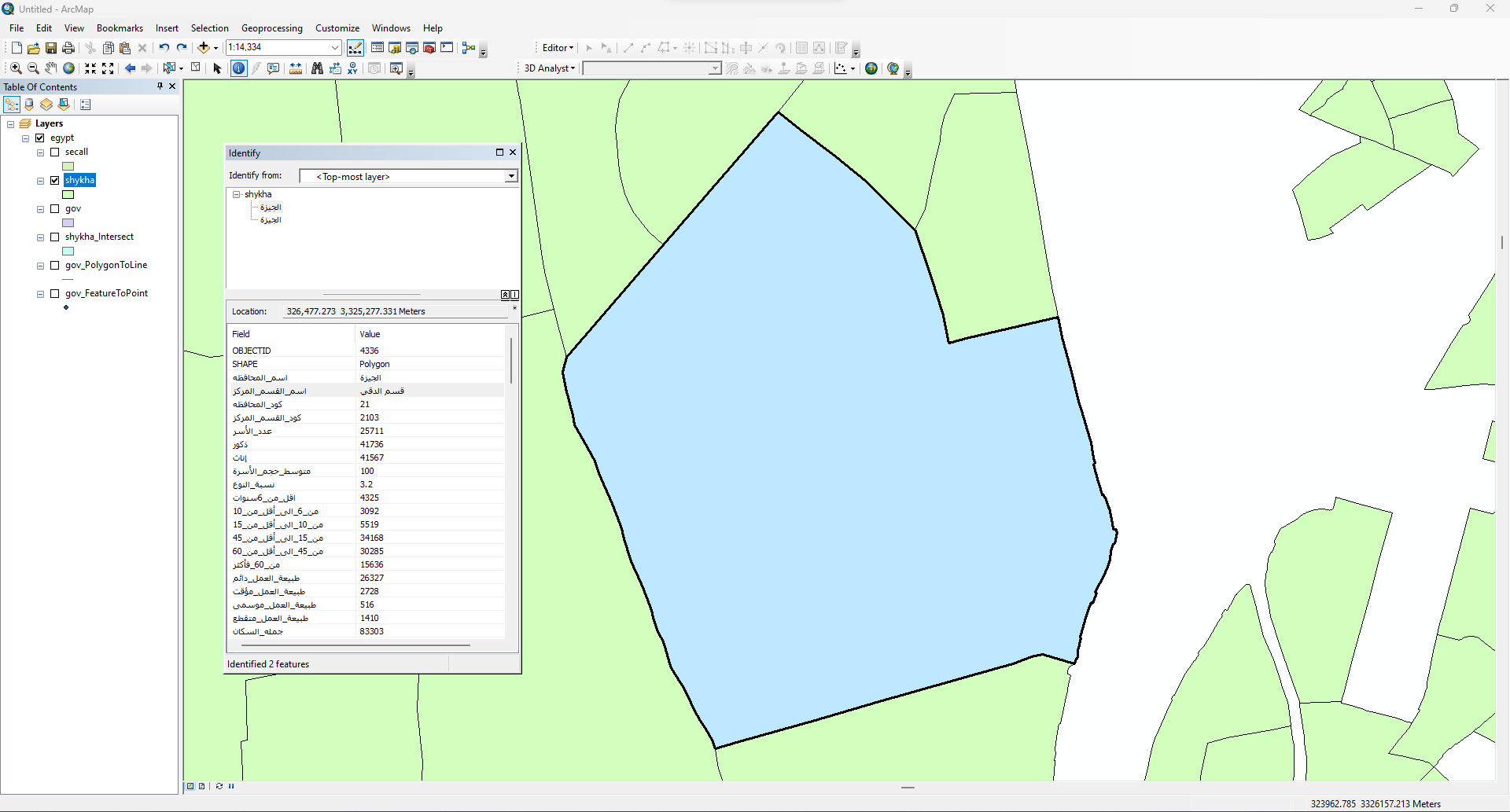
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| --- |
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| **Student ID:** 20190441 |
| **Group No.:** S1 |

**Q1:**  This graphic represents the *Tools* toolbar. Hover your mouse pointer over each tool to see what it is named. Match the name with each tool’s icon.

|  |  |  |
| --- | --- | --- |
| A) Zoom In (by clicking once or dragging)  B) Fixed Zoom In (to the map center)  C) Pan (drag the map as you want)  D) Go Back To Previous Extent  E) Select Features (by clicking or dragging)  F) Select Elements (main cursor for using)  G) Find (feature, place, address)  H) Measure (distance and area on map)  I) HTML Popup (launch by clicking on a feature) |  | J) Zoom Out (by clicking once or dragging)  K) Fixed Zoom Out (to the map center)  L) Full Extent (zoom out to see the full map)  M) Go To Next Extent  N) Clear Selected Features  O) Identify (features by clicking)  P) Go To XY (to move around on the map)  Q) Hyperlink (allow us to access documents or web pages related to features)  R) Create Viewer Window (create a new window by dragging a rectangle) |

**Q2:** According to the Identify tool, what is the area of El Dokki and what is your location in Degrees Minutes, Seconds and in Meters?

Answer:



The area of El Dokki = 5092196.038717 m2

Location in Degrees Minutes, Seconds and in Meters is 326,621.392 3,324,924.620 Meters

**Q3** Using the line measurement tool, how long is Eltahrir street in Km?

Answer:

A screenshot of a computer

Description automatically generated with medium confidence

Table

Description automatically generated

Eltahrir street length in Km = 16.719969 km

**Q4** Using the polygon measurement tool, what is the Area of “نادى الصيد” in Km square?

Answer:

Table

Description automatically generated

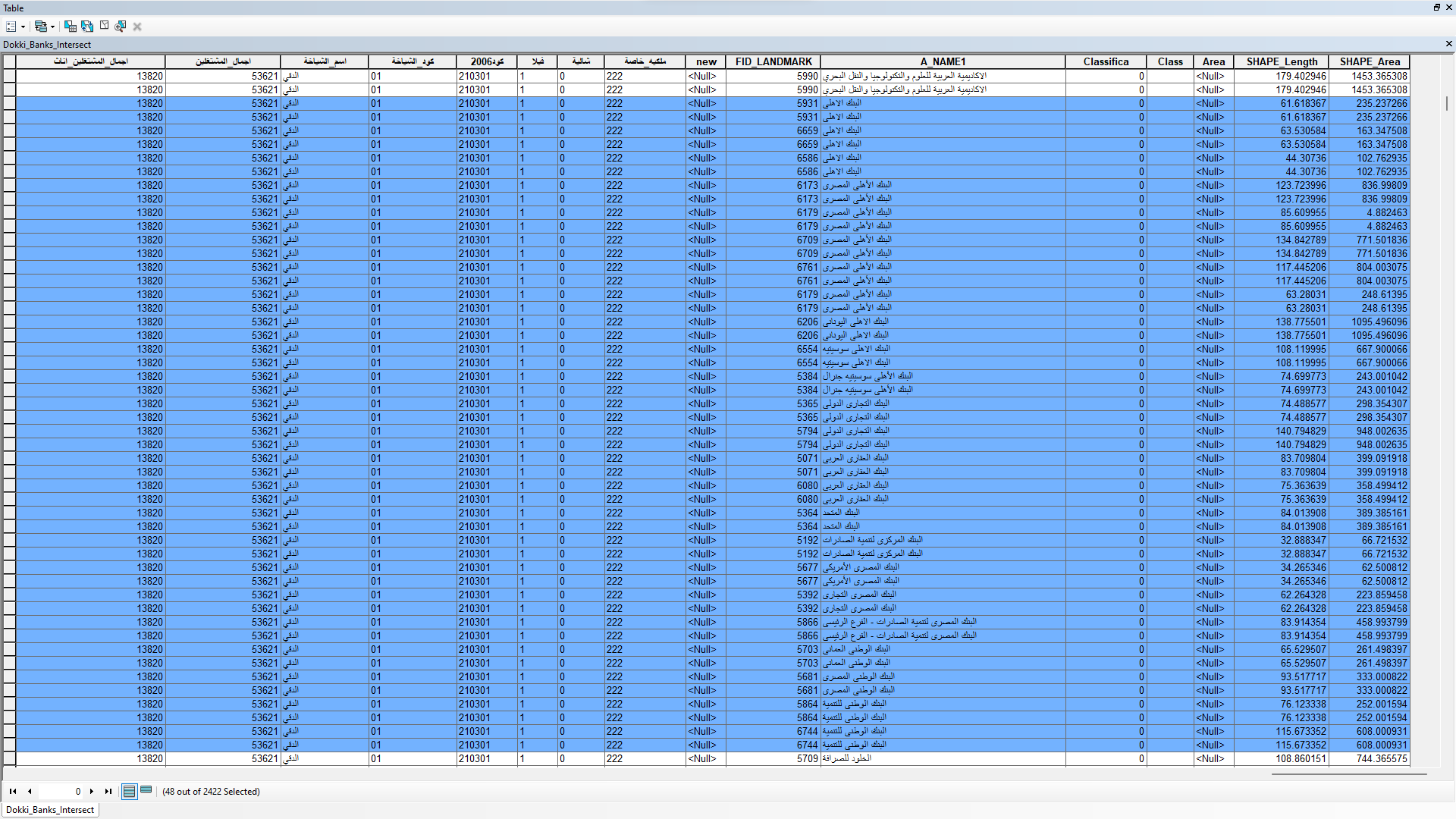
Graphical user interface

Description automatically generated with medium confidence

The Area of “نادى الصيد” in Km square = 0.060533 Km2

**Q5** The “Shape\_area” Field explains the area of each bank in eldokki. How many Banks Located in Eldokki?

Answer:



Graphical user interface, chart, scatter chart

Description automatically generated

Number ofBanks located in Eldokki = 48 banks

**Q6:** Using the Select Features tool, click on some of the schools on Eldokki. Notice that selected features appear outlined in cyan. Make print screen for this selected school

Answer:

Graphical user interface, application, table, Excel

Description automatically generated

Scatter chart

Description automatically generated

**Q7:** Select all hotels from Landmark layers where the area is >1500m square Print screen of the map with the selecting feature

Answer:

Graphical user interface, application, table

Description automatically generated

Chart, scatter chart

Description automatically generated

**Q8:** Export your images in JPEG format with resolution 700dpi after putting all map components (verbal scale- north arrow – legend- date of production-Inset and locator map-Neat line-projection-and cartographer)

Answer:

Map

Description automatically generated

**Q9:** Using ArcToolbox select all schools and export it into Do\_school layer convert the Do\_school layer into point layer and export your map in PDF format with nominal representation

Answer:

