

# Google Earth Pro



# Что такое Google Earth?

- Бесплатная скачиваемая программа
- Позволяет пользователям виртуально исследовать земной шар
- Использует спутниковые снимки
- Позволяет пользователям «летать» по всему миру
- Позволяет пользователям создавать свои собственные туры и пути
- Позволяет виртуально исследовать океаны, небо, луну и марс

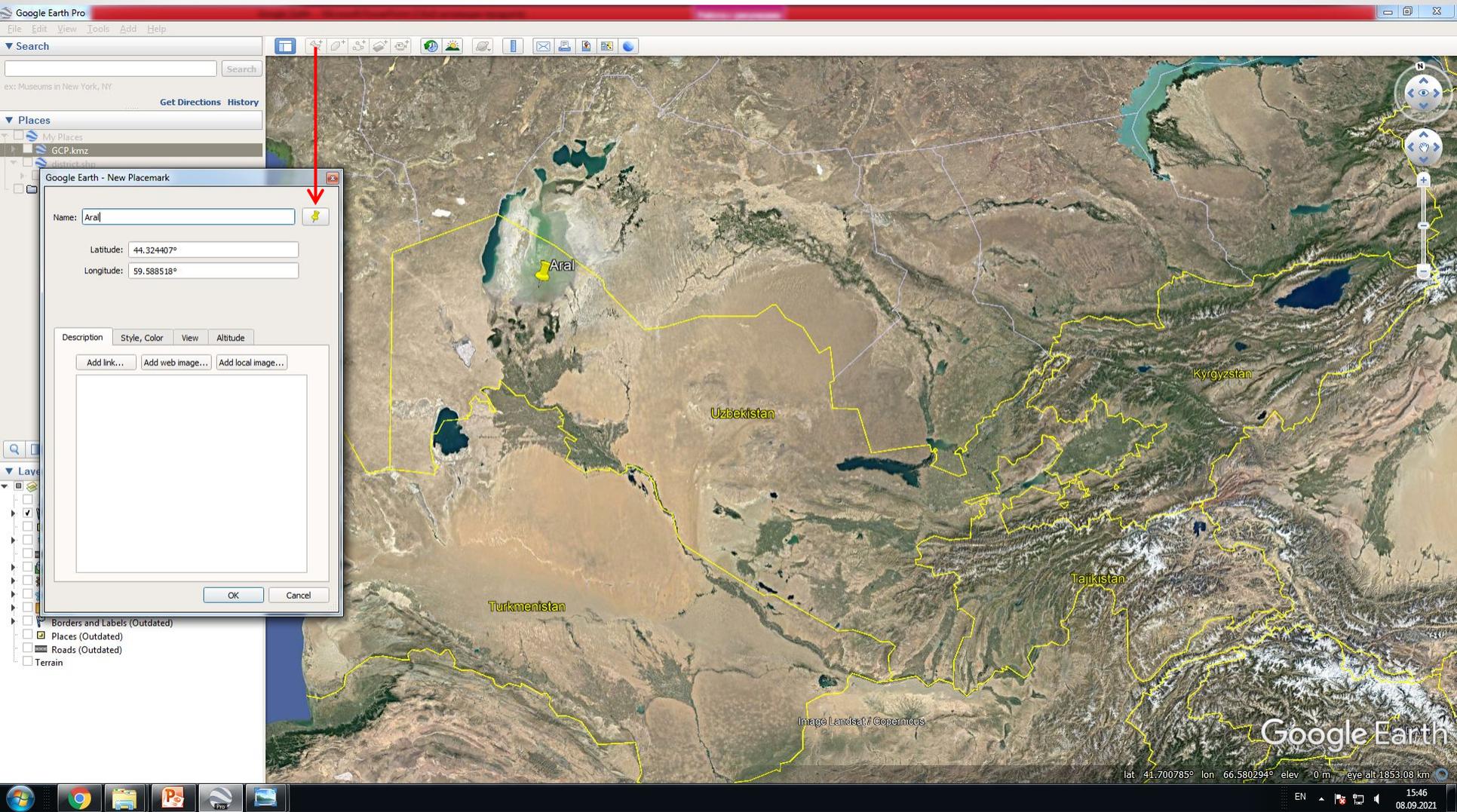


# Зачем использовать Google Earth?

- Бесплатная программа
- Легко использовать
- Подходит для многих предметных областей
- Укрепляет технологические навыки
- Обеспечивает реальный взгляд на землю (луга, пустыни, горы, и т. д.)
- Позволяет визуально изучать новости вокруг Мира
- Отлично подходит для изучения истории и географии.

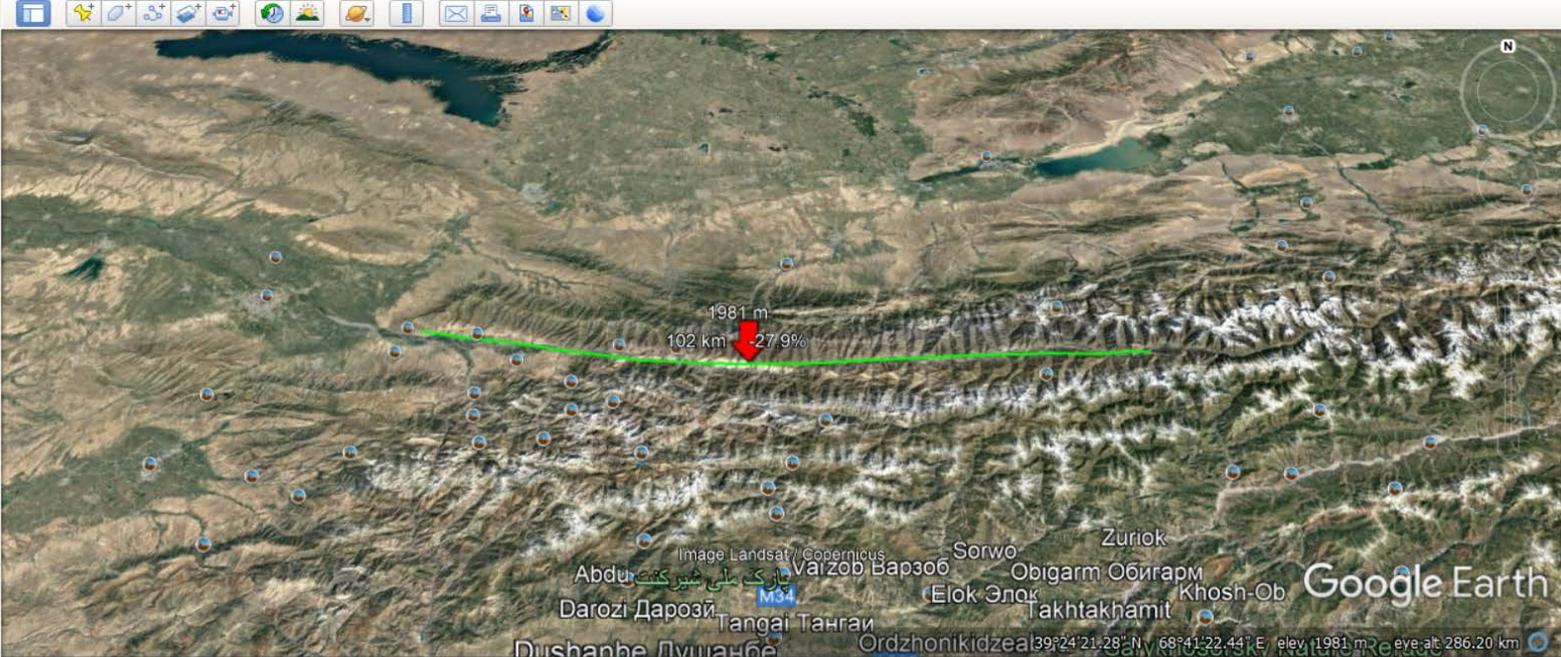


# Определения места назначения



- My Places
  - Sightseeing Tour
    - Make sure 3D Buildings layer is checked
  - River system
    - vaksh river
    - area
    - Untitled Path
  - Temporary Places

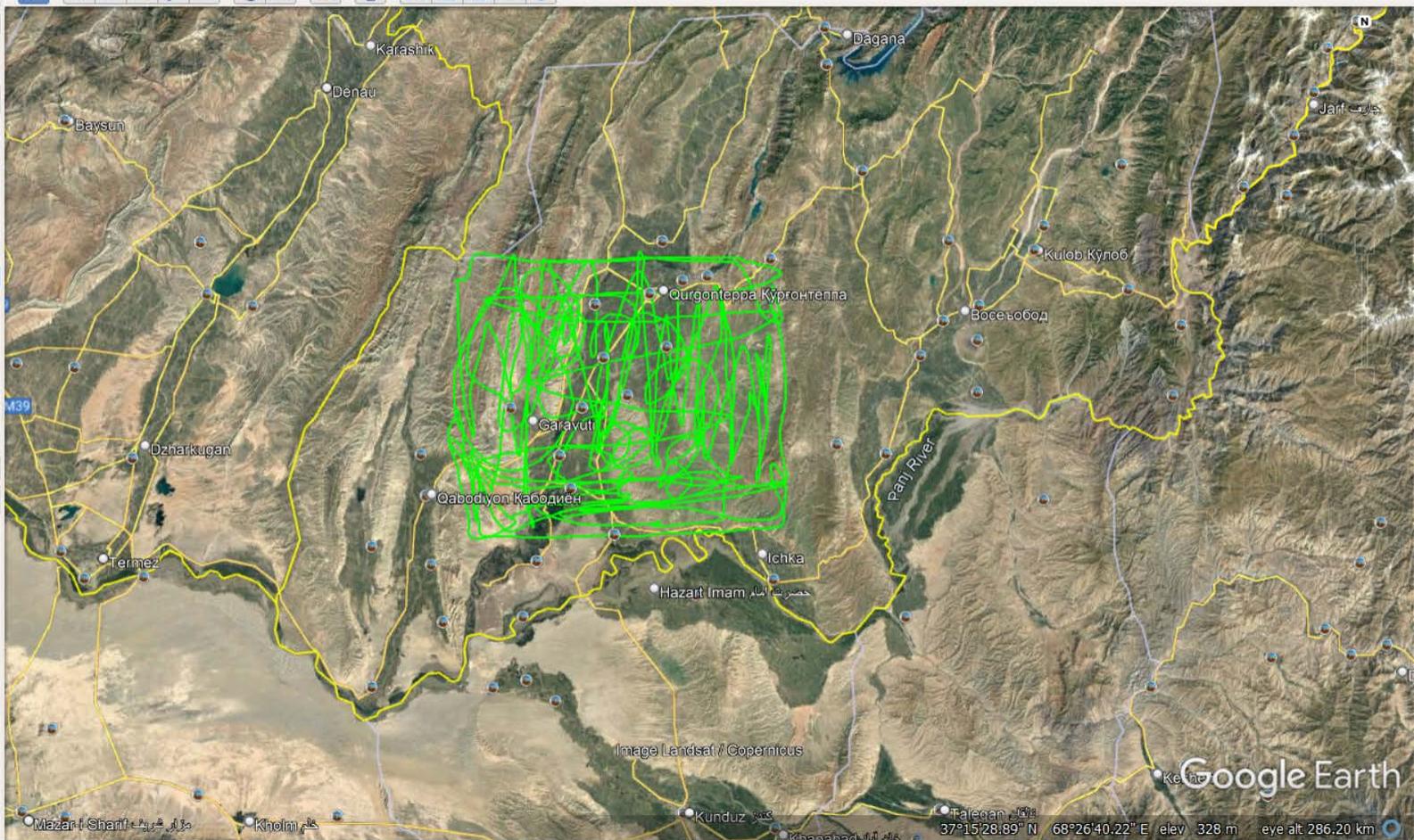
- Primary Database
  - Announcements
  - Borders and Labels
    - Borders
    - Labels
  - Places
  - Photos
  - Google Maps Photos
  - Roads
  - 3D Buildings
  - Weather
  - Gallery
  - More
  - Terrain



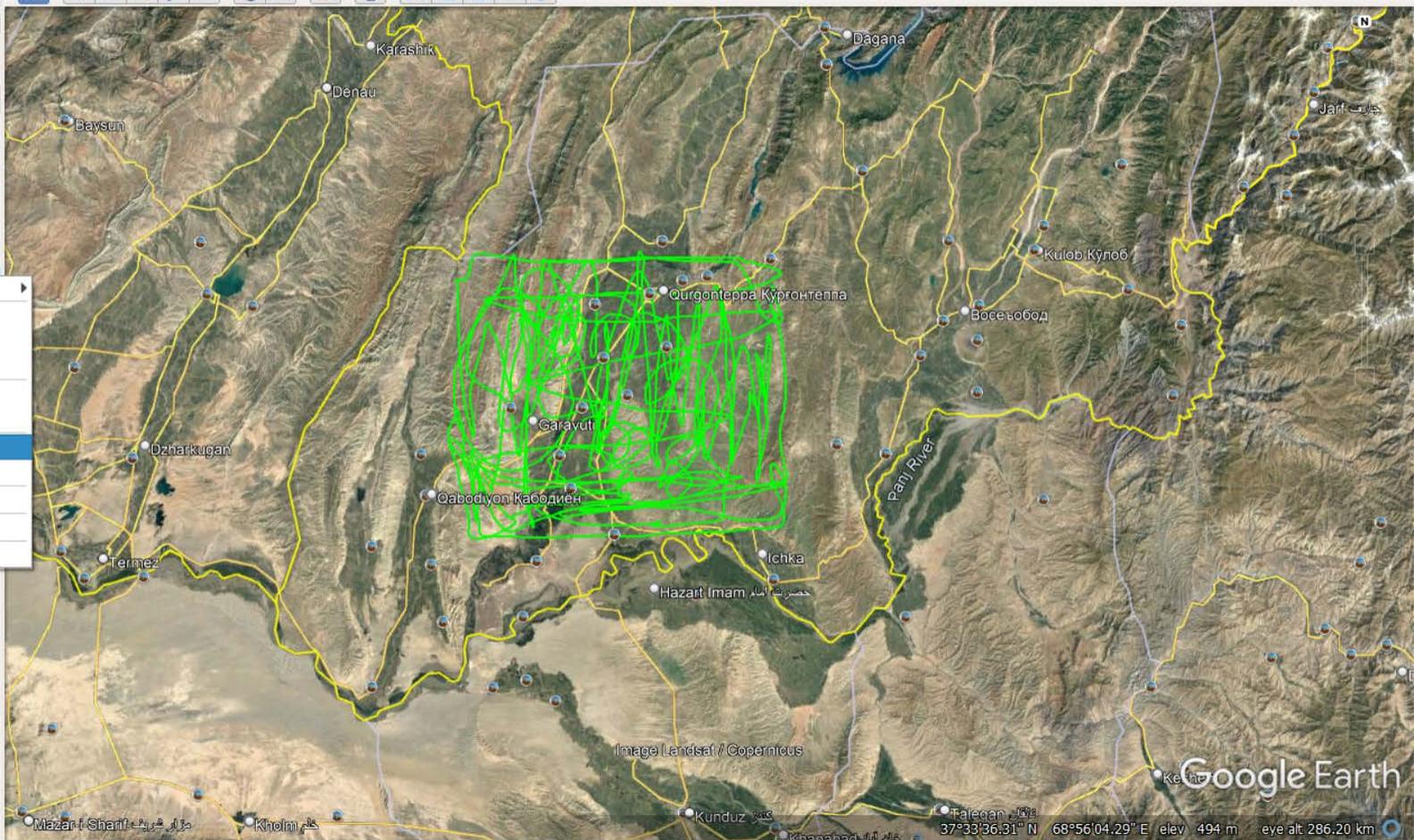
Places

- My Places
  - Sightseeing Tour
    - Make sure 3D Buildings layer is checked
  - River system
    - vaksh river
    - area
    - Untitled Path
    - contour
  - Temporary Places

- Primary Database
  - Announcements
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- Add
- Cut
- Copy
- Delete
- Rename
- Revert
- Save Place As...
- Email...
- Snapshot View
- Show Elevation Profile
- Properties



Save file...

« Desktop » Dushanbe\_training » google

Search google

Organize New folder

Name	Date modified	Type	Size
contour	7/13/2022 12:33 AM	KML	41

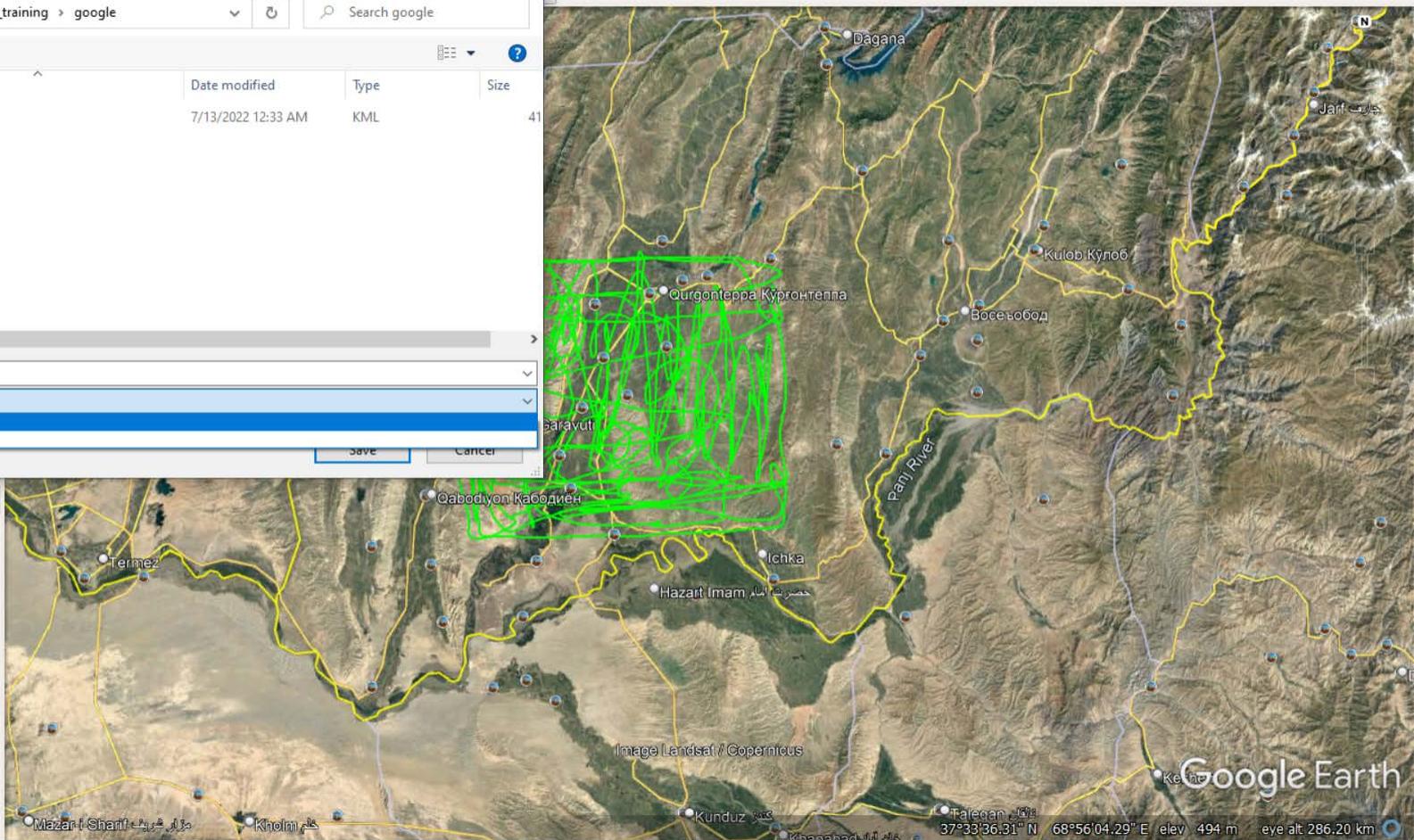
File name: contour

Save as type: Kml (\*.kml)

SAVE Cancel

Layers

- Primary Database
- Announcements
- Borders and Labels
  - Borders
  - Labels
- Places
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- Google Maps Photos
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- 3D Buildings
- Weather
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- More
- Terrain



OpenA | Google | United | Снариб | ArcGIS | www.ai | esri Web G | (1) Fee | Researc | https:// | Google | (564) cl | (564) G | (564) H | Новая | GP: x

gpsvisualizer.com/elevation

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**GPS Visualizer**

- MAKE A MAP
  - Leaflet/Google
  - Google Earth
  - JPG/PNG/SVG
- MAKE A PROFILE
  - CONVERT A FILE
  - Draw on a map
  - Calculators
- Geocode addresses
- Look up elevations
- Atlas: Share a map
- GPSBabel

Examples  
Help/FAQ  
About GPSV



**Donate** No ads? No problem. You can support GPS Visualizer by [making a donation with PayPal](#) instead.



## Find "Missing" Elevations with GPS Visualizer

**The problem:** Sometimes you have geographic data that consists only of latitudes and longitudes, but you want to know the altitudes as well — because, for example, you want to colorize points by height above sea level, or [draw a profile](#) of a track. Here are some common reasons why you might have "flat" or incomplete data:

- Your GPS device does not log altitude, or you had poor satellite reception when you recorded the track.
- Your GPS device *does* log altitude, but it's not very accurate.
- You drew a track using the drawing tools in Google Earth or a similar application, like GPS Visualizer's [Sandbox](#).
- You have a KML file that came from Google Maps or Google Earth's "driving directions" feature.
- You created a route in Google Maps and have the URL of that route.
- You have an NMEA log file that contains only "GPRMC" sentences, not "GPGGA."

### Solution #1: DEM database

GPS Visualizer's [map](#), [profile](#), and [conversion](#) programs have the ability to instantly add elevation data — from a DEM (digital elevation model) database — to any type of GPS file. If you just want to draw a profile, or convert a single data file to plain text or GPX while adding elevation, you can use the simple form right here:

Upload a file:  Файл не выбран  -or-

Or provide a URL:

Output:  Units:

Or, look in GPS Visualizer's various input forms for the menu called "Add DEM elevation data," and choose one of the elevation databases

**Donate**



**Support GPS Visualizer**

If you find the utilities on GPSVisualizer.com interesting, time-saving, or just plain fun, you can say "thanks" — and encourage further development — by clicking the button above and making a contribution via PayPal.

Open

« Desktop » Dushanbe\_training » google

Search google

Name	Date modified	Type	Size
contour	7/13/2022 12:33 AM	KML	41

File name: contour

Все файлы

Open Cancel

Google (564) | YouTube (564) | Новая | GP

Examples Help/FAQ About GPSV

Peppa Pig Casitas - ... YouTube Быстрый доступ к...

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Upload a file:     -or-

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  - About GPSV
- 

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Upload a file:  contour.kml  -or-

Or provide a URL:

Output:  Units:

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  - Examples**
    - Help/FAQ
    - About GPSV
- 

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## GPS Visualizer output

Your data has been converted to GPX. If something doesn't look like you expected it to, please [send an email to bugs-10+20220712123913-52215@gpsvisualizer.com](mailto:bugs-10+20220712123913-52215@gpsvisualizer.com). Right-click on the following link to download the file to your hard drive; you may want to give it a more sensible name.

 [Download 20220712123913-52215-data.gpx](#)

**Donate** Help keep GPS Visualizer free

If you're enjoying GPS Visualizer, please support further development by [making a contribution via PayPal](#) or checking out my [Amazon.com wish list](#).



The contents of your file are also [displayed](#) in this box, if you'd rather cut and paste:

```
<?xml version="1.0" encoding="utf-8" standalone="yes"?>
<gpx version="1.1" creator="GPS Visualizer https://www.gpsvisualizer.com/"
xmlns="http://www.topografix.com/GPX/1/1" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.topografix.com/GPX/1/1 http://www.topografix.com/GPX/1/1/gpx.xsd">
<trk>
  <name>contour</name>
  <trkseg>
    <trkpt lat="37.909129605" lon="68.493047466">
      <ele>1226.625</ele>
    </trkpt>
    <trkpt lat="37.906860765" lon="68.507935844">
      <ele>1214.173</ele>
    </trkpt>
  </trkseg>
</trk>
```

Map this data: [Leaflet](#), [Google Maps](#), [Google Earth](#), [JPEG map](#), [SVG map](#), or [elevation profile](#) — or go to the [map form](#) to set options



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    - From GPS
      - GPX To Features**
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GPX To Features

Input GPX File  
C:\Users\User\Desktop\Dushanbe\_training\google\20220712123913-52215-data.gpx

Output Feature class  
C:\Users\User\Desktop\Dushanbe\_training\google\elelevation1.shp

OK Cancel Environments... Show Help >>

- To Kaster
- To Shapefile
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- Data Management Tools
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    - Kriging
    - Natural Neighbor
    - Spline
    - Spline with Barriers
    - Topo to Raster
    - Topo to Raster by File
    - Trend
  - Local
  - Map Algebra
  - Math
  - Multivariate
  - Neighborhood



Geoprocessing tool that interpolates a surface from points using an inverse distance weighted (IDW) technique.

68.219 37.601 Decimal Degrees

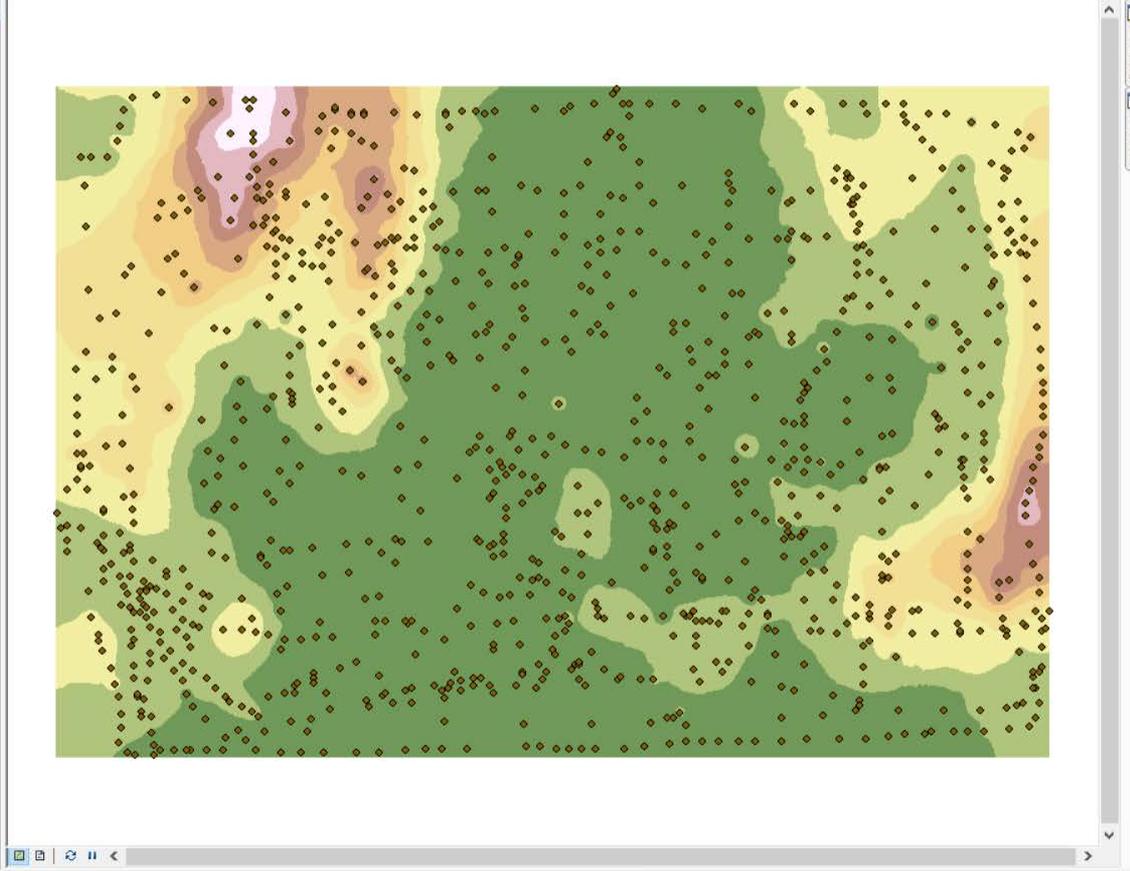


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    - elevation1dw**
      - 324.1257324 - 488.2198351
      - 488.2198352 - 652.3139377
      - 652.3139378 - 816.4080404
      - 816.4080405 - 980.502143
      - 980.5021431 - 1,144.596246
      - 1,144.596247 - 1,308.690348
      - 1,308.690349 - 1,472.784451
      - 1,472.784452 - 1,636.878554
      - 1,636.878555 - 1,800.972656

ArcToolbox

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Spatial Analyst geoprocessing tool that creates a feature class of contours from a raster surface. 68.197 37.532 Decimal Degrees



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      - 1,144.596247 - 1,308.690348
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      - 1,472.784452 - 1,636.878554
      - 1,636.878555 - 1,800.972656

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Contour

Input raster: elevationidw

Output feature class: C:\Users\User\Desktop\Dushanbe\_training\google\contour1.shp

Contour interval: 100

Base contour (optional): 0

Z factor (optional): 1

Contour type (optional): CONTOUR

Maximum vertices per feature (optional):

OK Cancel Environments... Show Help >>

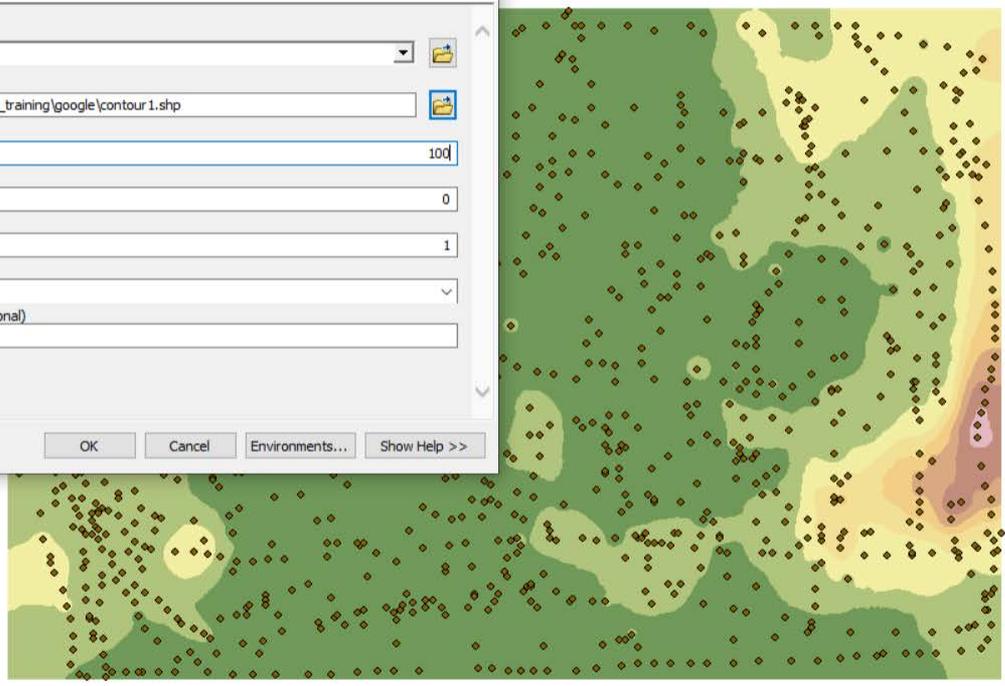




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    - 816.4080405 - 980.502143
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    - 1,636.878555 - 1,800.972656

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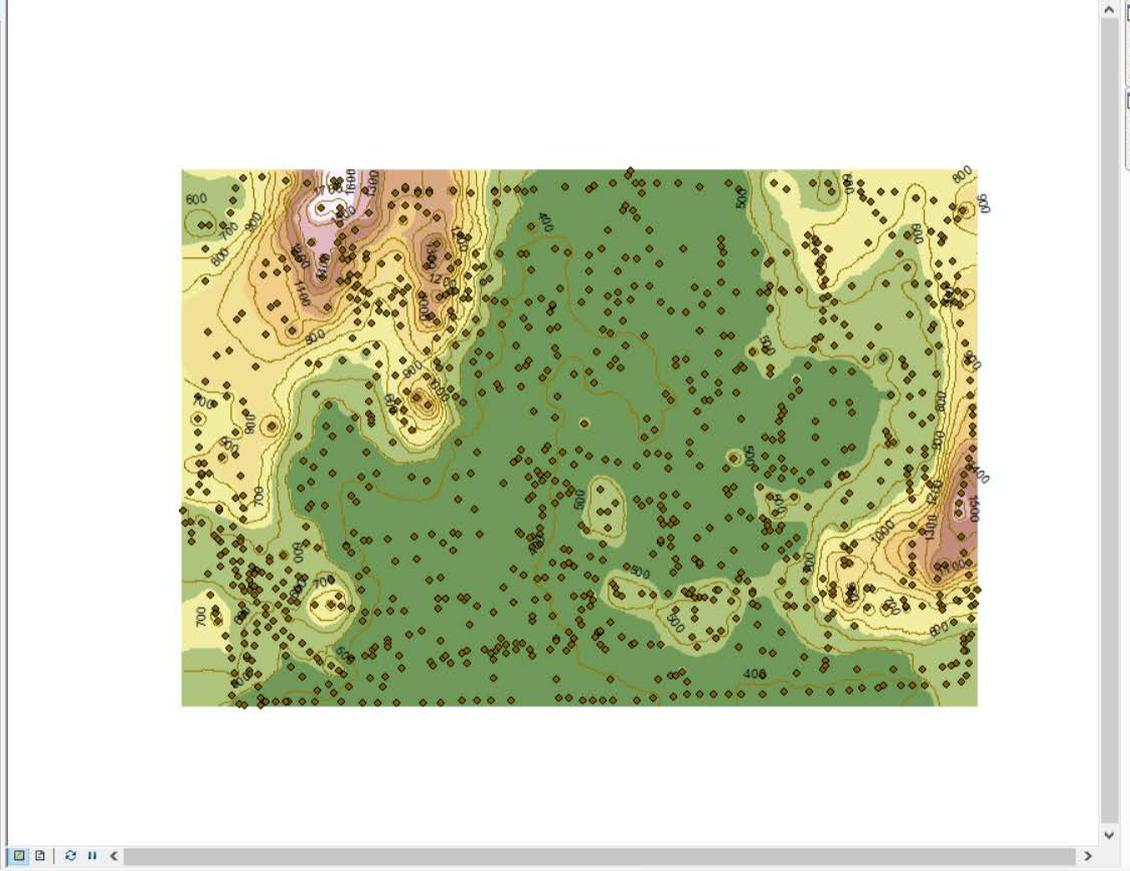


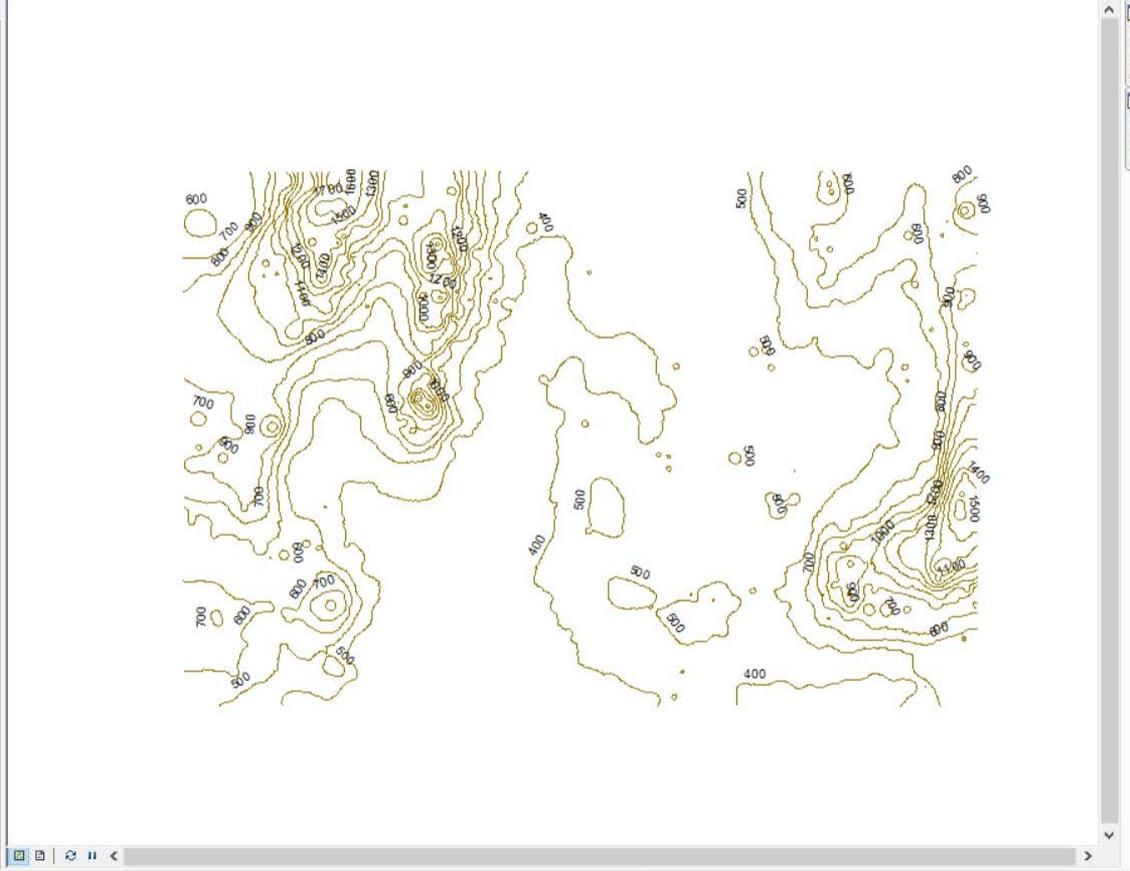


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    - Viewshed
    - Viewshed 2
    - Visibility
  - Zonal



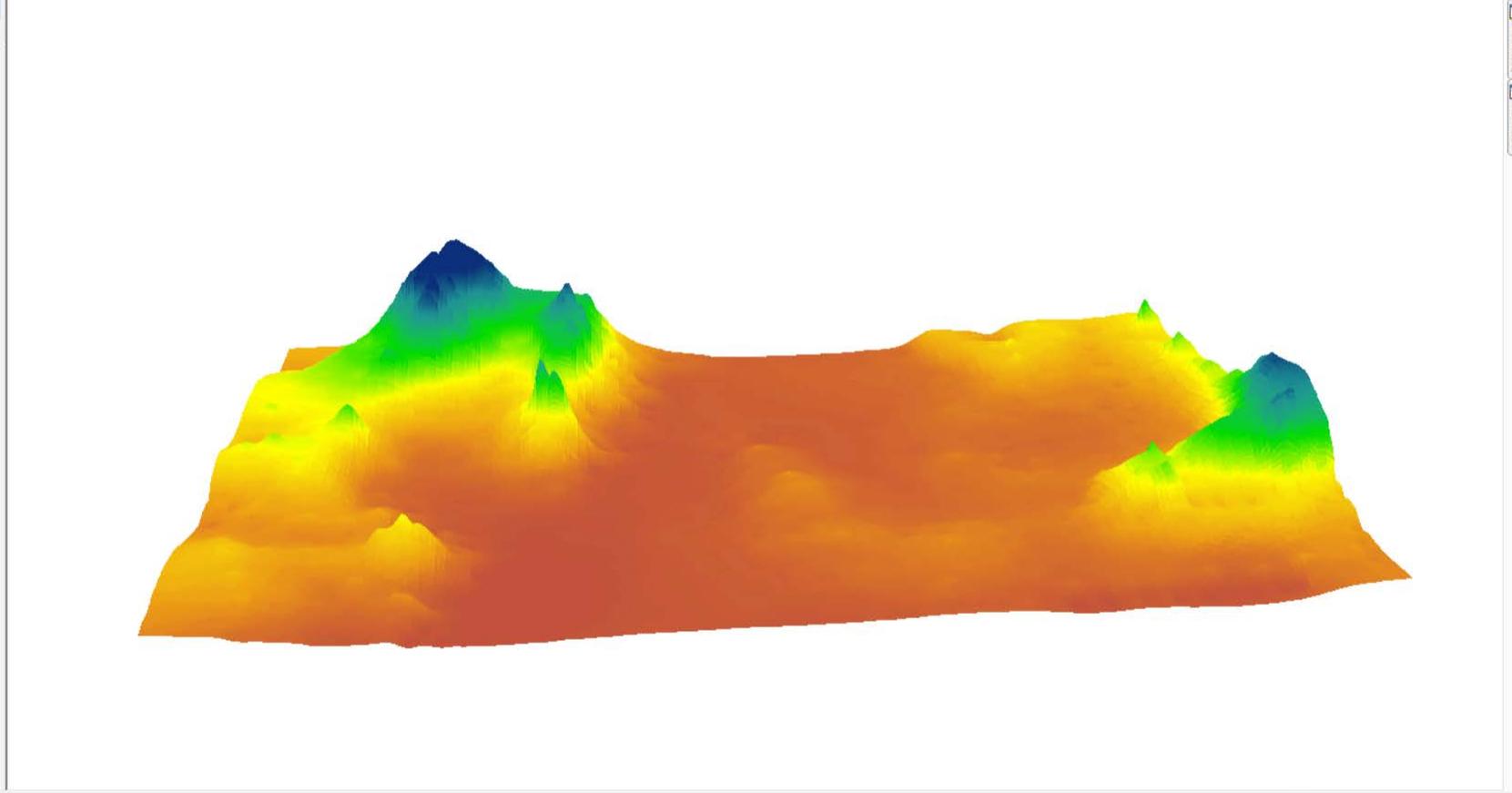


elevationidw

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Scene layers

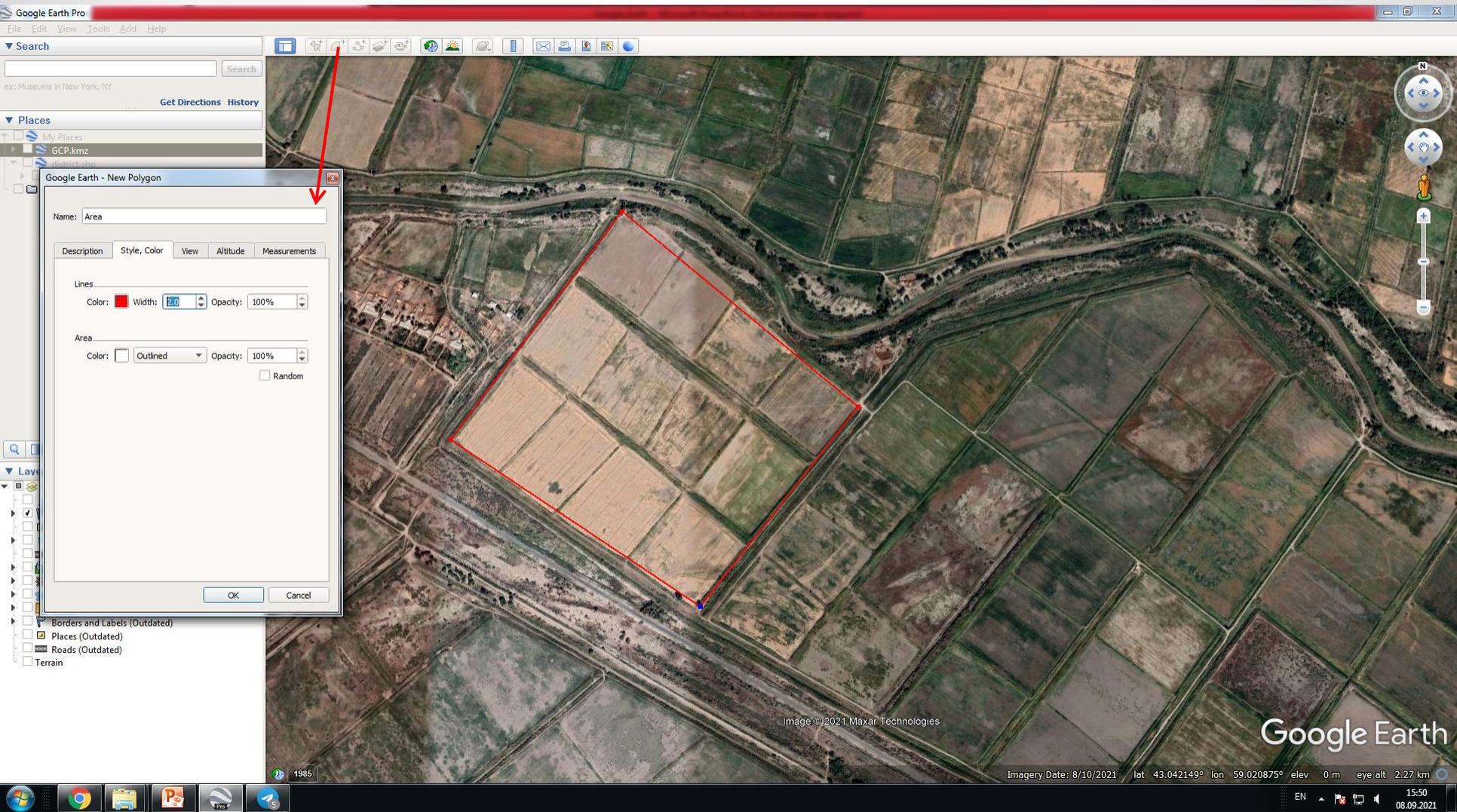
- elevationidw
  - Value
  - High : 1800.97
  - Low : 324.126



Preparing scene symbols for display...

0%

# Определения места назначения



File Edit View Tools Add Help

Search

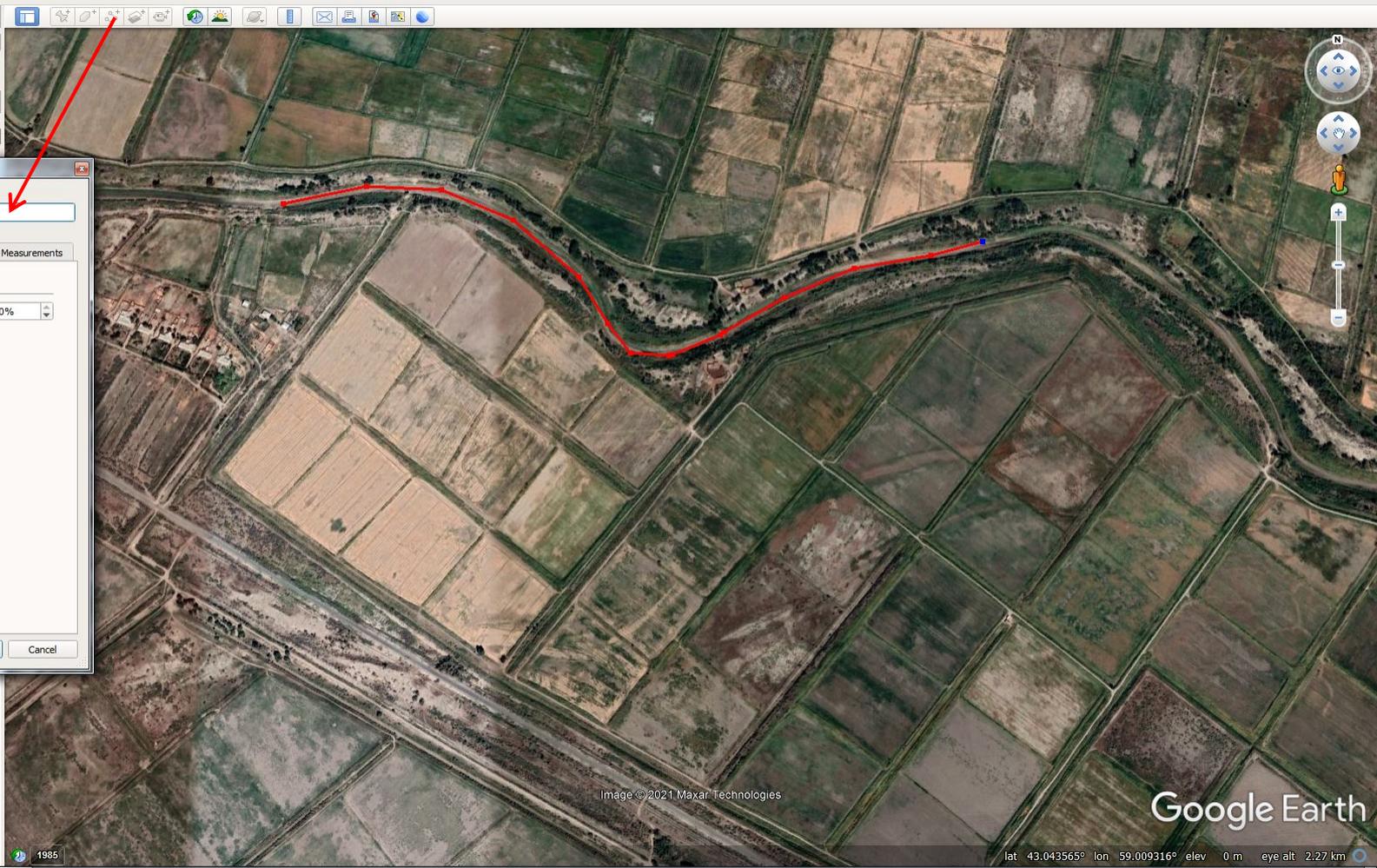
Search

ex: Museums in New York, NY

Get Directions History

Places

- My Places
- GCP.kmz
- district.kmz



Google Earth - New Path

Name: Line

Description Style, Color View Altitude Measurements

Lines

Color: ■ Width: 3.0 Opacity: 100%

OK Cancel

Borders and Labels (Outdated)

Places (Outdated)

Roads (Outdated)

Terrain

Image © 2021 Maxar Technologies

Google Earth

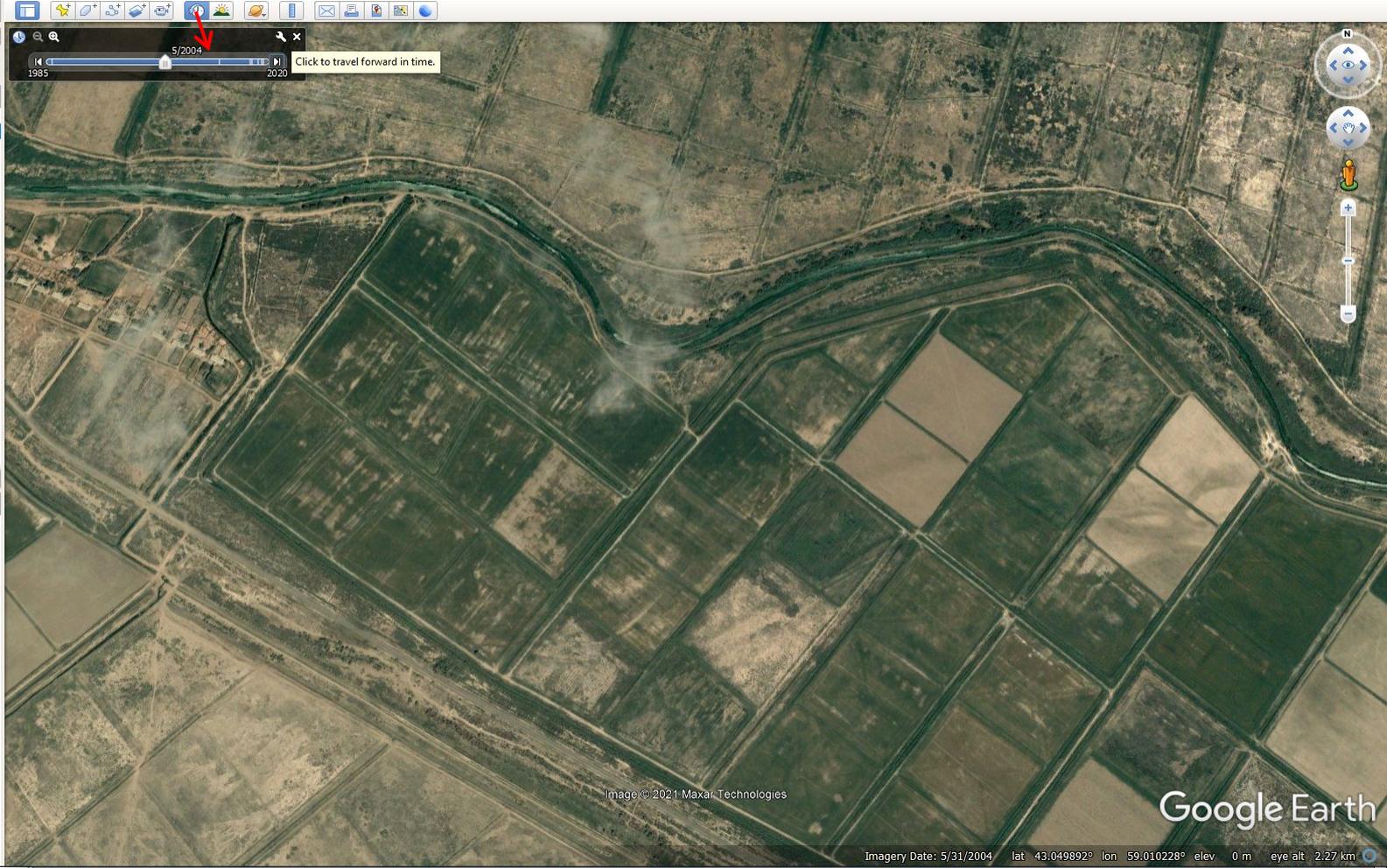
lat 43.043565° lon 59.009316° elev 0 m eye alt 2.27 km

EN 15:55 08.09.2021



- My Places
  - GCP.kmz
    - district.shp
    - district
  - Temporary Places

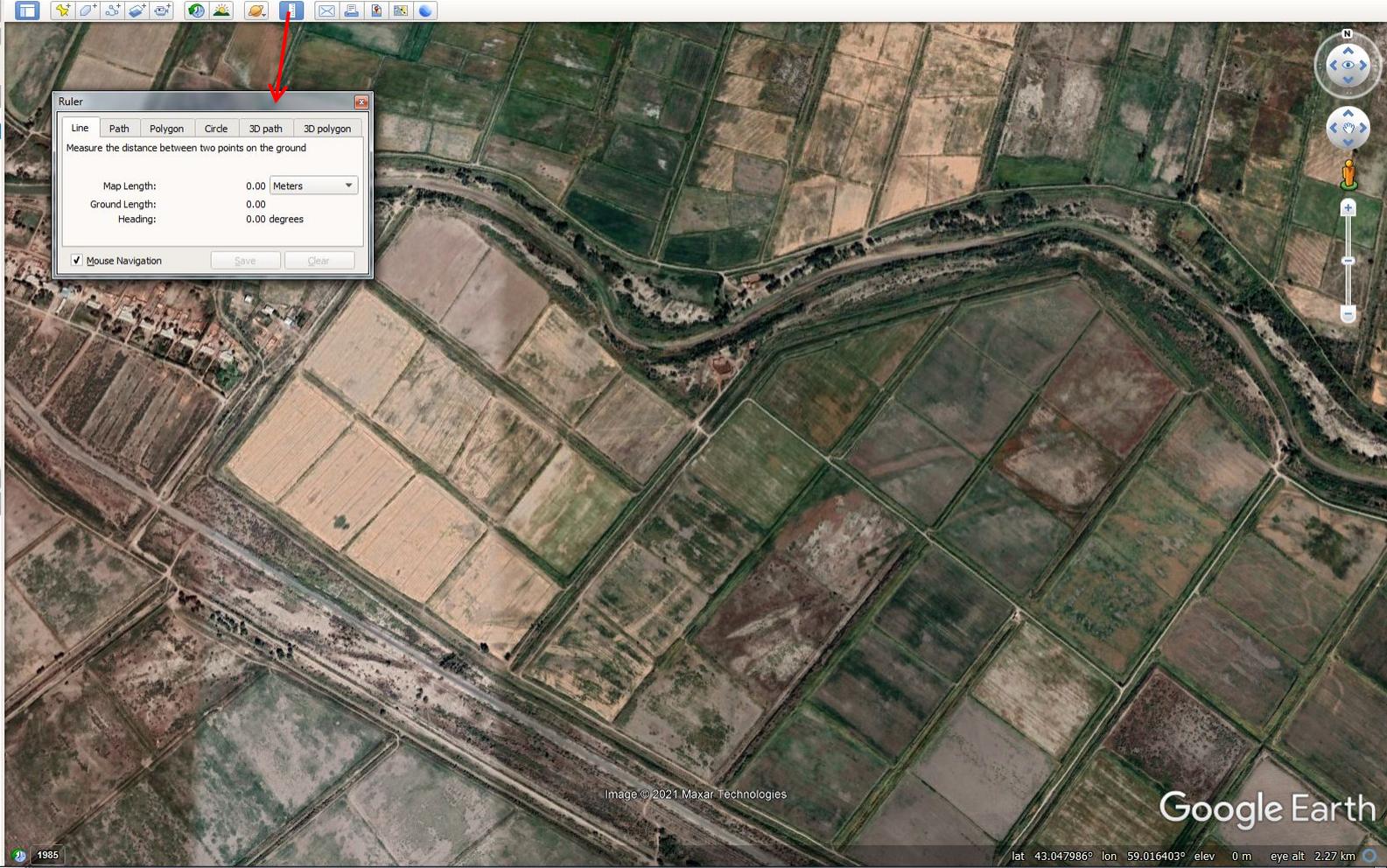
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  - Weather
  - Gallery
  - More
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  - Places (Outdated)
  - Roads (Outdated)
  - Terrain



Click to travel forward in time.

Image © 2021 Maxar Technologies

Google Earth



Ruler

Line Path Polygon Circle 3D path 3D polygon

Measure the distance between two points on the ground

Map Length: 0.00 Meters

Ground Length: 0.00

Heading: 0.00 degrees

Mouse Navigation Save Clear

Image © 2021 Maxar Technologies

Google Earth

lat 43.047986° lon 59.016403° elev 0 m eye alt 2.27 km