



Tajikistan Mine Action Centre



# **“21st International Meeting of National Mine Action Programme Directors and United Nations Advisers (NDM- UN)”**

**Geneva, 13 -16 February, 2018**

**TAJIKISTAN**

**“NTS/TI in Tajikistan”**

**Presenter**

**Muhabbat Ibrohimzoda**

**TNMAC Director**



## Mine / UXO threat in Tajikistan Land Realese progress since 2004



### Legend Hazard area status

- Closed (green circle with a cross)
- Ongoing (blue circle with a dot)
- Open (red downward-pointing triangle)
- Suspended (orange circle with a dot)

■ Districts

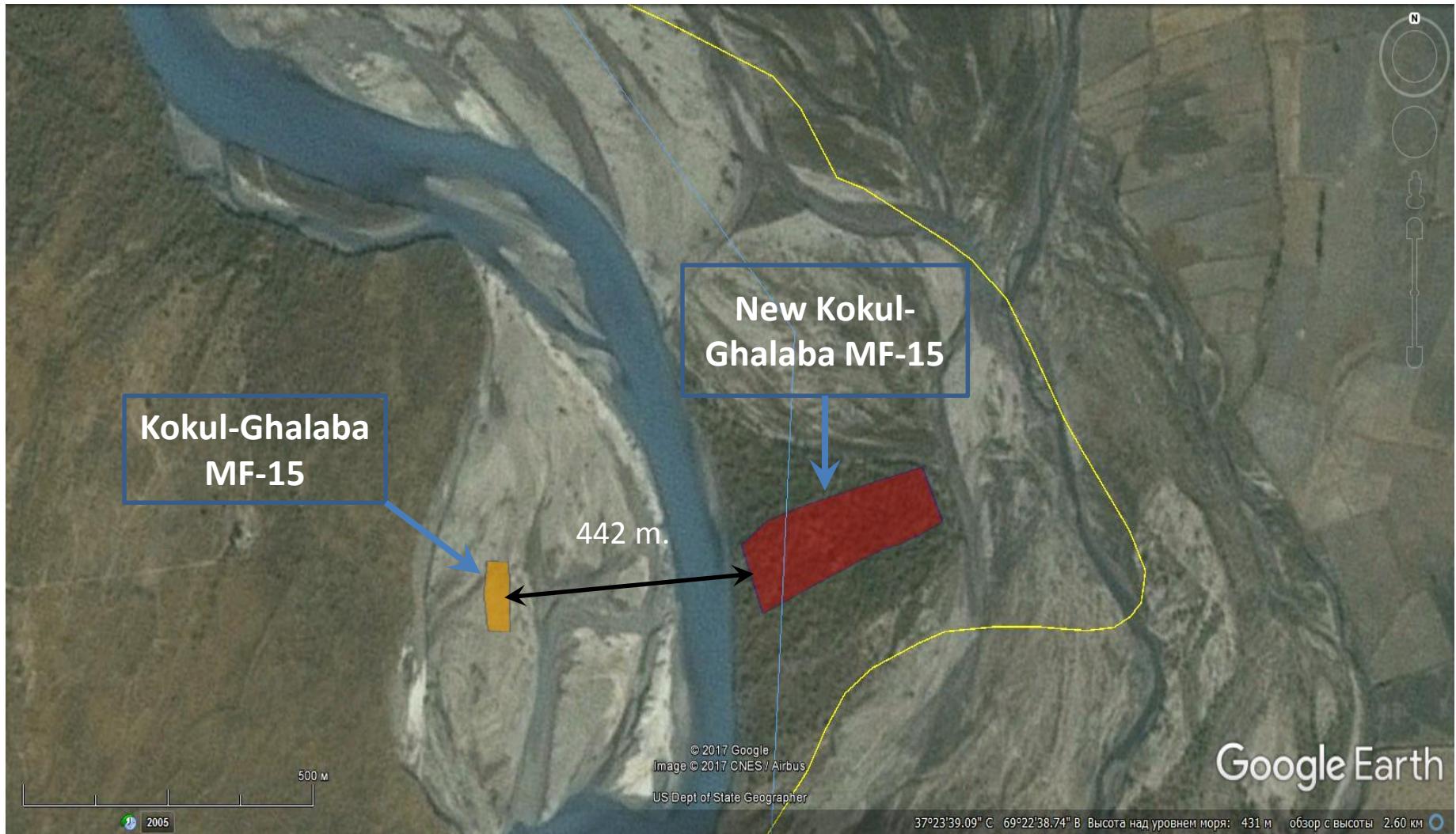
■ Rivers

■ Country border

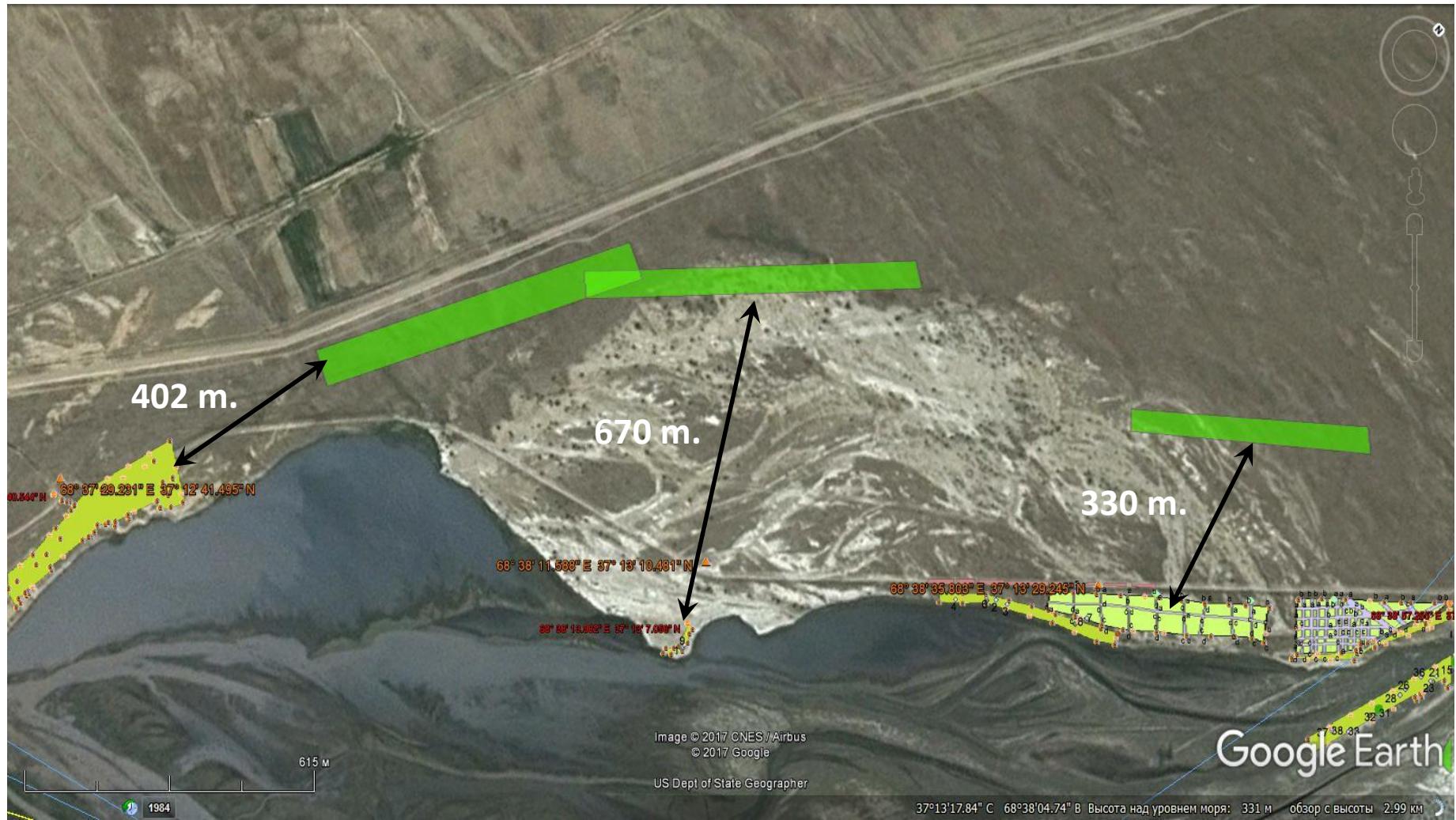
# Incomplete or inconsistent information of the minefield record:

- Distance, bearing and directions of the north;
- Wrong coordinates and numbering of the grids (coordinates in MFR)
- Recontamination of minefields at different times;
- Lack of landmarks (reference points);
- Mine fields that do not have minefield records.
- The coordinate system Pulkovo and WGS84, problems with transformation (errors up to 500 meters)
- Old topographical maps used for the minefield records

# The inconsistencies in conducting a non-technical study of the mined plot until 2016



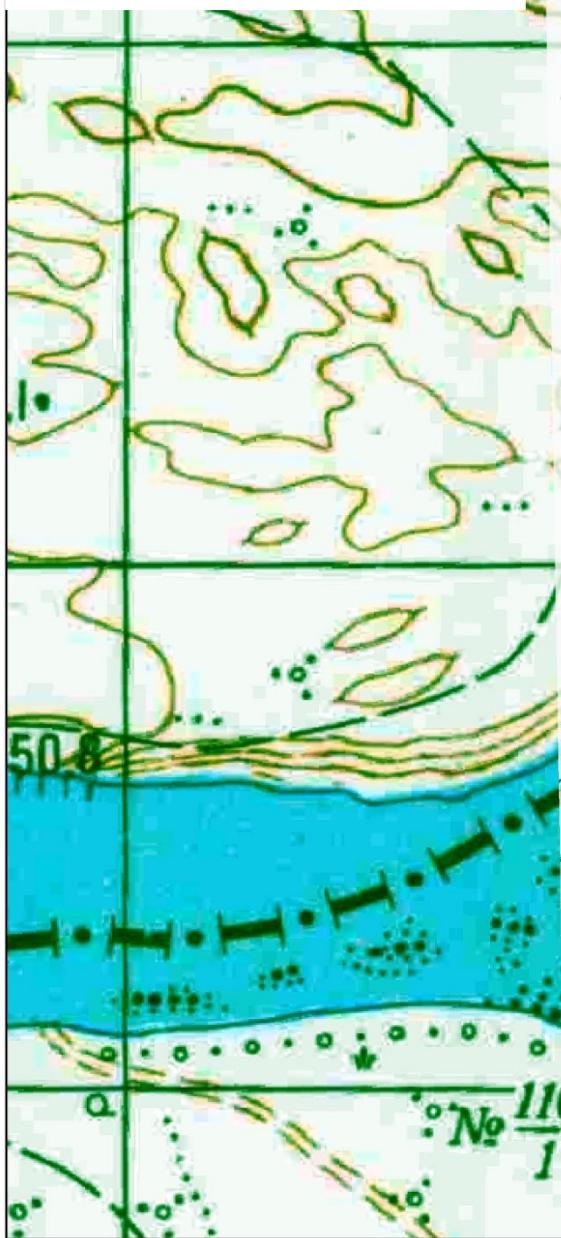
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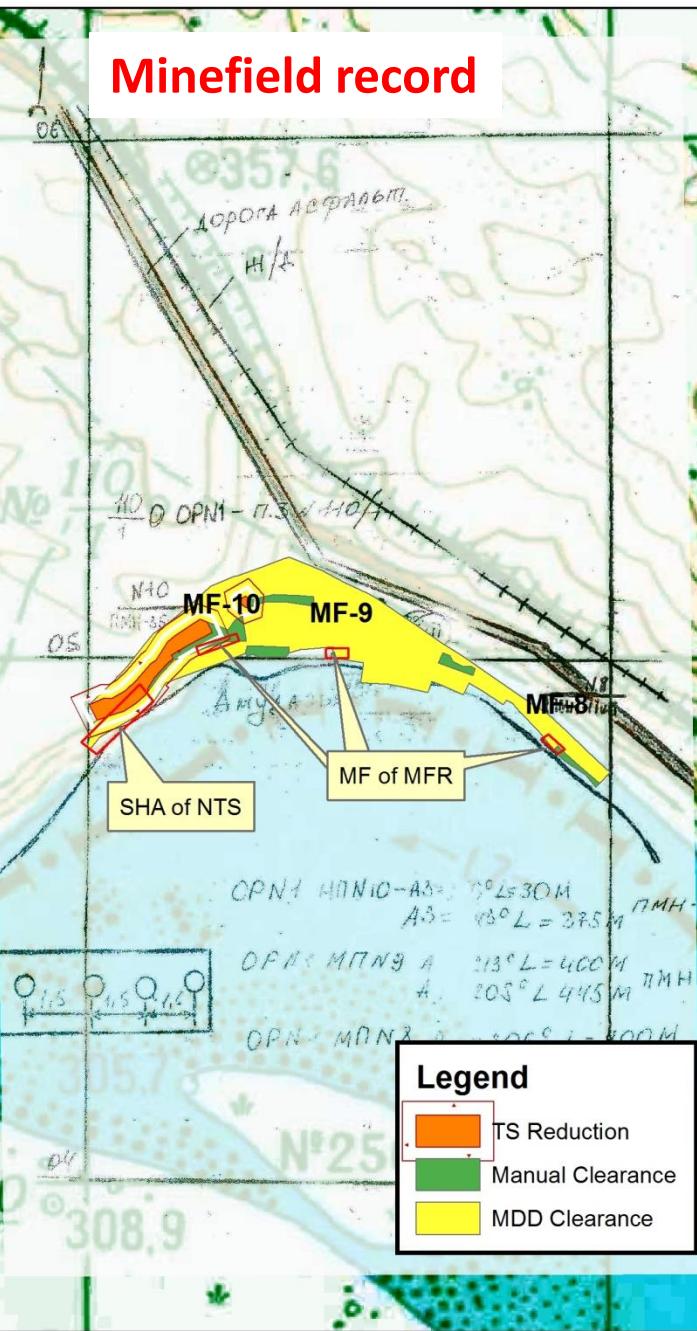
# Terrain and mountainous terrain

- Changes in the direction of the riverbed;
- Landslides, rockfalls, flushing of roads and changes in the terrain;
- Flooding and moving of minefields, etc .

## Topographic map 50K



## Minefield record



Landsat: 8-July 2013

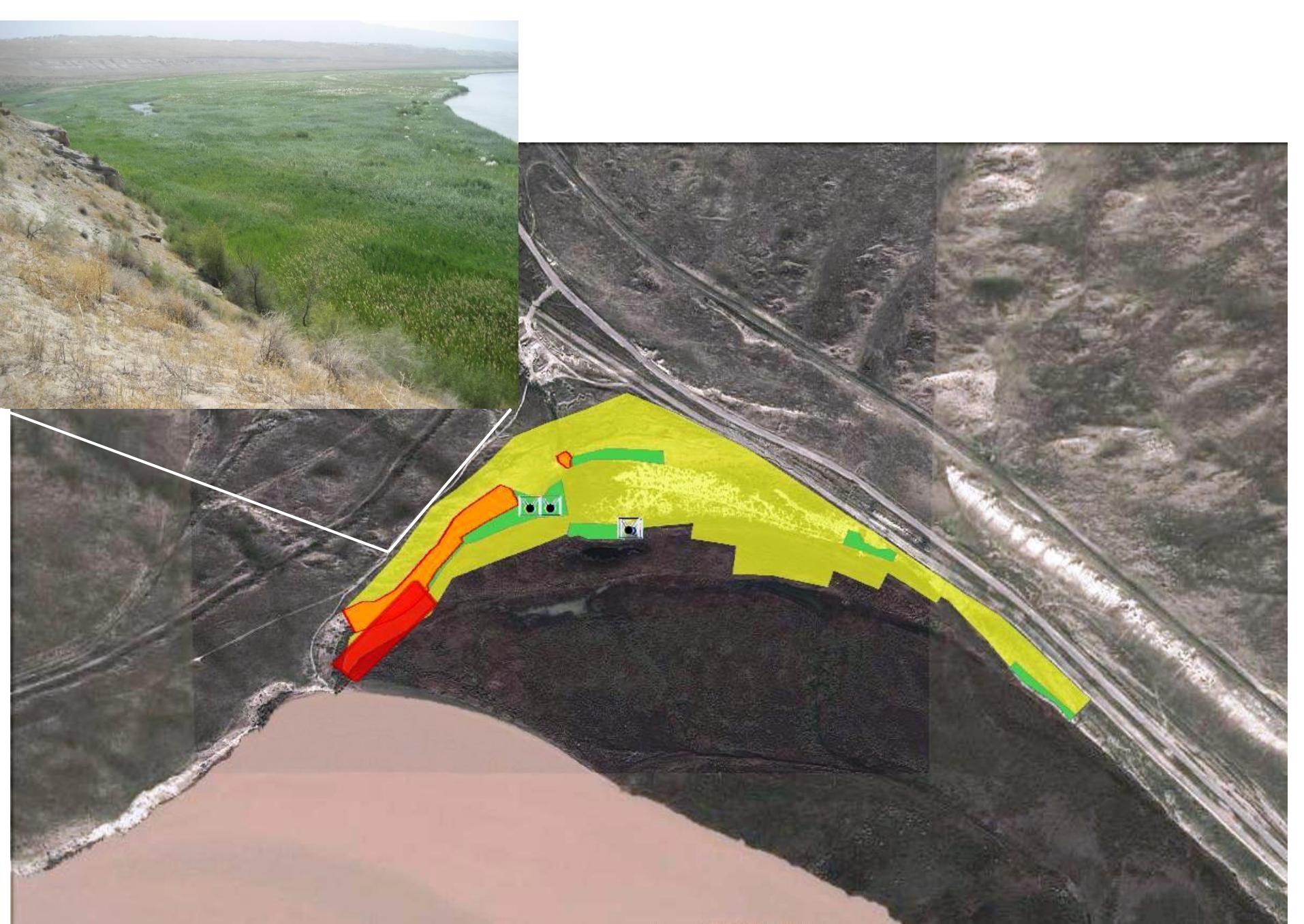
Source: USGS



### Legend

- TS Reduction
- Manual Clearance
- MDD Clearance
- MF3\_from\_MFR

0 100 200 400 Meters



# The inconsistencies in conducting a non-technical study of the mined plot until 2016:

- Along with this, the organization that receives the demining task and based on the wrong registration of the minefield, is forced to conduct an ineffective technical study on the indication of the location of the minefield, or conduct additional research on this field, which affects additional time and effort;
- In view of the analysis of all problems and inconsistencies, in October 2015 a standard was developed the new instruction for NTS, which includes technical intervention to the minefield, in order to detect signs of contamination and more accurately determine the location of the minefields, but taking into account the safety first.

Thank you!