



EMSR861 - AOI02  
Storm Kristin and Flooding in Central  
Portugal and Andalusia Spain  
GRANADA

Situation as of 09/02/2026 18:19 UTC  
Delineation MONIT04 - Overview map 01



Flooded area  
EO-based 989.6 ha  
Model-based 930.2 ha



Potentially affected  
population  
~ 180

Potentially Affected Built-up and Transportations



Water infrastructure  
0.9 ha



Road  
31.3 km

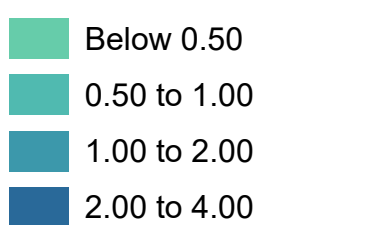


Railway  
0.6 km



Built-Up  
20.9 ha

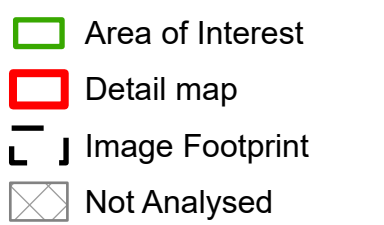
Estimated flood depth (m)



Facilities



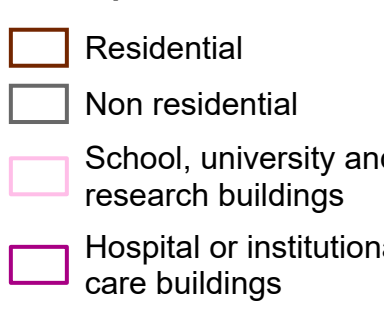
General Information



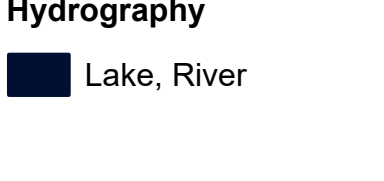
Administrative Boundaries



Built-Up Area



Hydrography



**Event** On 26 January 2026 at 18:00, a river overflow is forecast to affect the Guadalquivir river basin in the provinces of Granada, Jaén and Córdoba (Andalusia, Spain). The event is forecast and increasing; the main rain front has already passed, but more rainfall is expected over the next 48 hours, which is expected to maintain and increase river water levels, with flooding affecting buildings and infrastructure in the floodplains, including urban areas. Copernicus EMS Rapid Mapping is requested to provide emergency maps of the extent of the flooding for further analysis and to improve understanding of the basin's response.

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The thematic layer has been derived from post-event satellite image using a semi-automatic approach. Please be aware that the thematic accuracy might be lower in urban and forested areas due to inherent limitations of the SAR analysis technique.

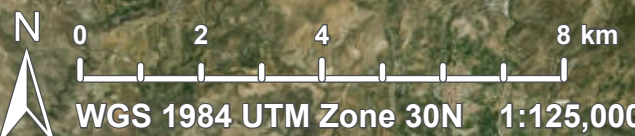
The flooded area corresponds to the water observed in the most recent satellite imagery, excluding the permanent water. An extrapolated flood extent is generated by integrating observed flood areas with a Digital Terrain Model (DTM). The model's accuracy and spatial coverage depend on DTM resolution and quality, enabling the prediction of potentially flooded areas in regions with limited visibility in imagery, such as urban and forested zones.

Map produced by ITHACA released by e-GEOS on the 10/02/2026.

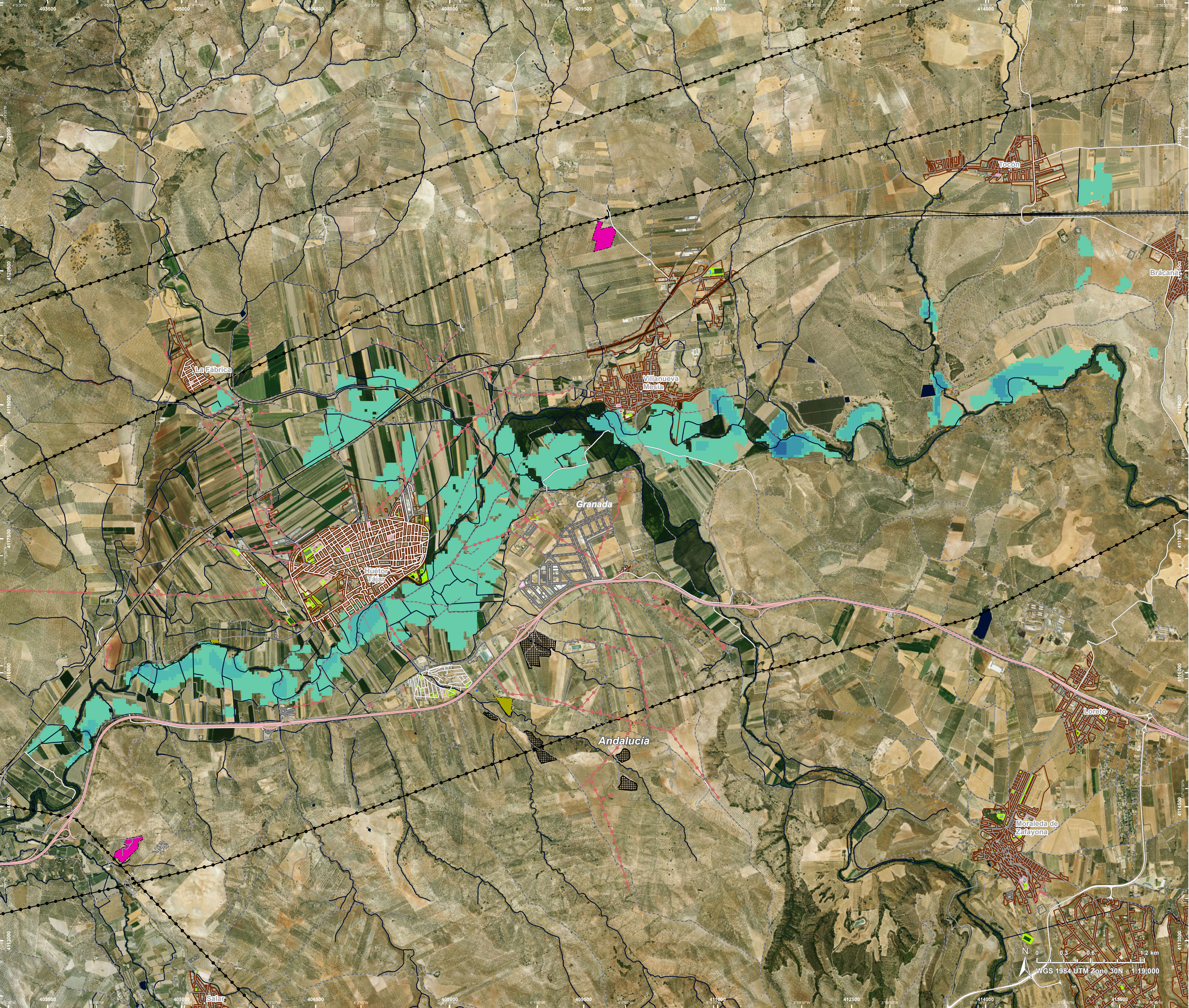
Details on this activation and service conditions available through the QR code or at the link: <https://mapping.emergency.copernicus.eu/activations/EMSR861>



PROGRAMME OF THE  
EUROPEAN UNION







Situation as of 09/02/2026 18:19 UTC  
Delineation MONIT04 - Detail map 02



- |   |                                    |
|---|------------------------------------|
| <b>Estimated flood depth (m)</b>          | Mining or extraction site          |
| Below 0.50                                | Water Well                         |
| 0.50 to 1.00                              | Power plant                        |
| 1.00 to 2.00                              | Sport and recreation constructions |
| 2.00 to 4.00                              | Dump Site                          |
| <b>Built-Up Area</b>                      | Dam                                |
| Residential                               | <b>Transportation</b>              |
| Non residential                           | Highway                            |
| School, university and research buildings | Main road                          |
| <b>Hydrography</b>                        | Local road                         |
| Lake, River                               | Track                              |
| <b>Facilities</b>                         | Railway                            |
| Long-distance pipelines or lines          | Helipad                            |
| Local pipelines or lines                  |                                    |

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**Situation as of 09/02/2026 18:19 UTC**  
Delineation MONIT04 - Detail map 03



- Estimated flood depth (m)**
- Below 0.50
  - 0.50 to 1.00
  - 1.00 to 2.00
- Built-Up Area**
- Residential
  - Non residential
  - School, university and research buildings
- Hydrography**
- Lake, River
- Facilities**
- Long-distance pipelines or lines
  - Local pipelines or lines
- Other symbols:**
- Mining or extraction site
  - Power plant
  - Sport and recreation constructions
  - Transportation: Highway, Main road, Local road, Track, Railway, Airfield runway, Airfield

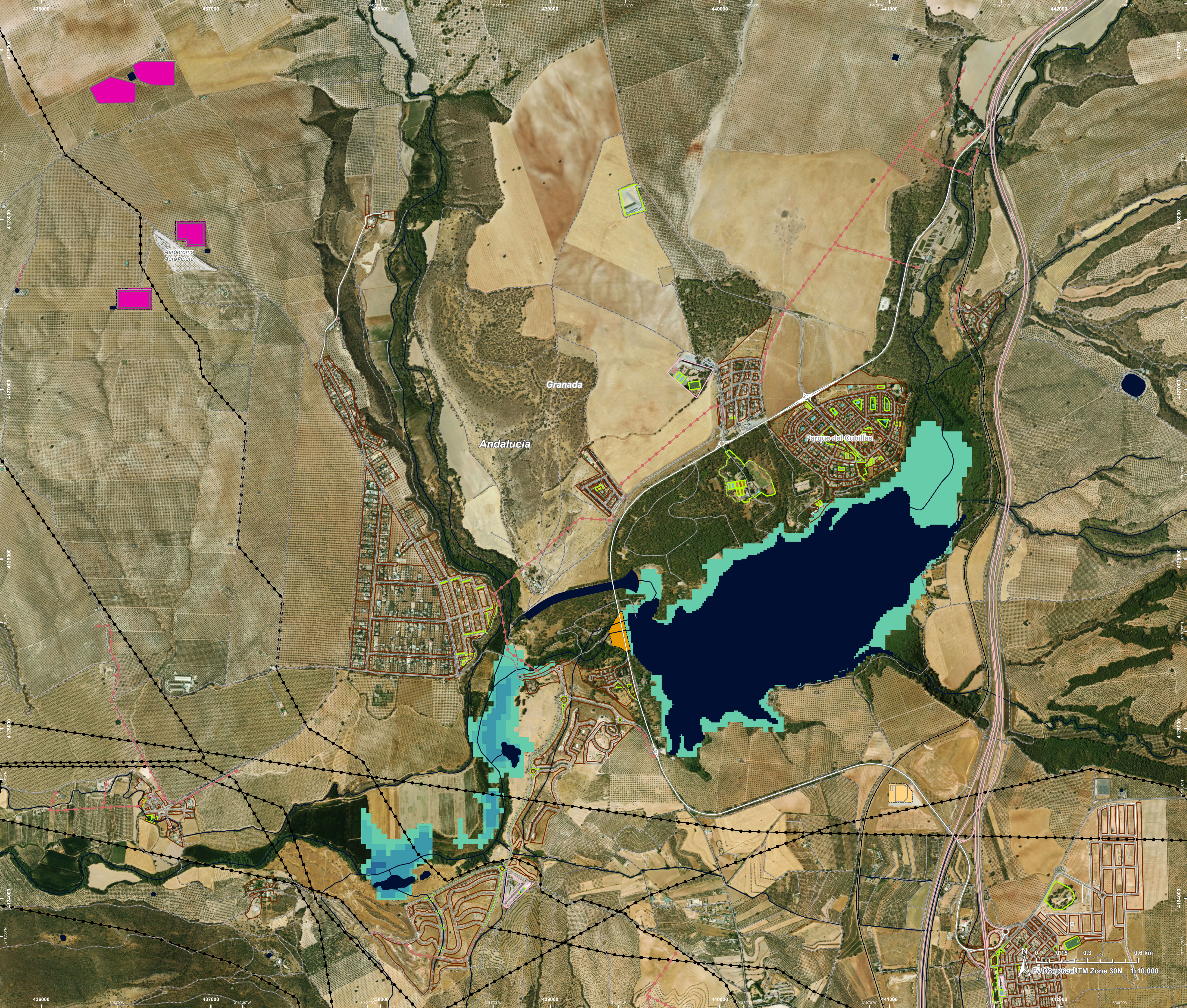
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**Situation as of 09/02/2026 18:19 UTC**  
Delineation MONIT04 - Detail map 04



- Estimated flood depth (m)**
- Below 0.50
  - 0.50 to 1.00
  - 1.00 to 2.00
  - 2.00 to 4.00
- Built-Up Area**
- Residential
  - Non residential
  - School, university and research buildings
- Hydrography**
- Lake, River
- Facilities**
- Long-distance pipelines or lines
  - Local pipelines or lines
- Power plant**
- Power plant
- Sport and recreation constructions**
- Sport and recreation constructions
- Water or Aquatic infrastructure**
- Water or Aquatic infrastructure
- Dam**
- Dam
- Transportation**
- Highway
  - Main road
  - Local road
  - Track
  - Railway
  - Airfield runway
  - Airfield
  - Helipad

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- |   |  |
|---|--|
| <b>Estimated flood depth (m)</b>  | <b>Facilities</b>  |
| <span style="background-color: #00FFFF; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Below 0.50    | <span style="border-bottom: 2px solid black; display: inline-block; width: 20px;"></span> Long-distance pipelines or lines           |
| <b>General Information</b>  | <span style="border: 2px solid yellow; display: inline-block; width: 10px; height: 10px;"></span> Sport and recreation constructions |
| <span style="border: 2px solid green; display: inline-block; width: 10px; height: 10px;"></span> Area of Interest                         | <span style="background-color: #FFA500; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Dam      |
| <b>Built-Up Area</b>  | <b>Transportation</b>  |
| <span style="border: 2px solid brown; display: inline-block; width: 10px; height: 10px;"></span> Residential                              | <span style="border-bottom: 2px solid gray; display: inline-block; width: 20px;"></span> Main road                                   |
| <span style="border: 2px solid gray; display: inline-block; width: 10px; height: 10px;"></span> Non residential                           | <span style="border-bottom: 2px solid gray; display: inline-block; width: 20px;"></span> Local road                                  |
| <span style="border: 2px solid pink; display: inline-block; width: 10px; height: 10px;"></span> School, university and research buildings | <span style="border-bottom: 2px solid gray; display: inline-block; width: 20px;"></span> Track                                       |
| <b>Hydrography</b>  |  |
| <span style="background-color: #000080; display: inline-block; width: 10px; height: 10px;"></span> Lake, River                            |  |

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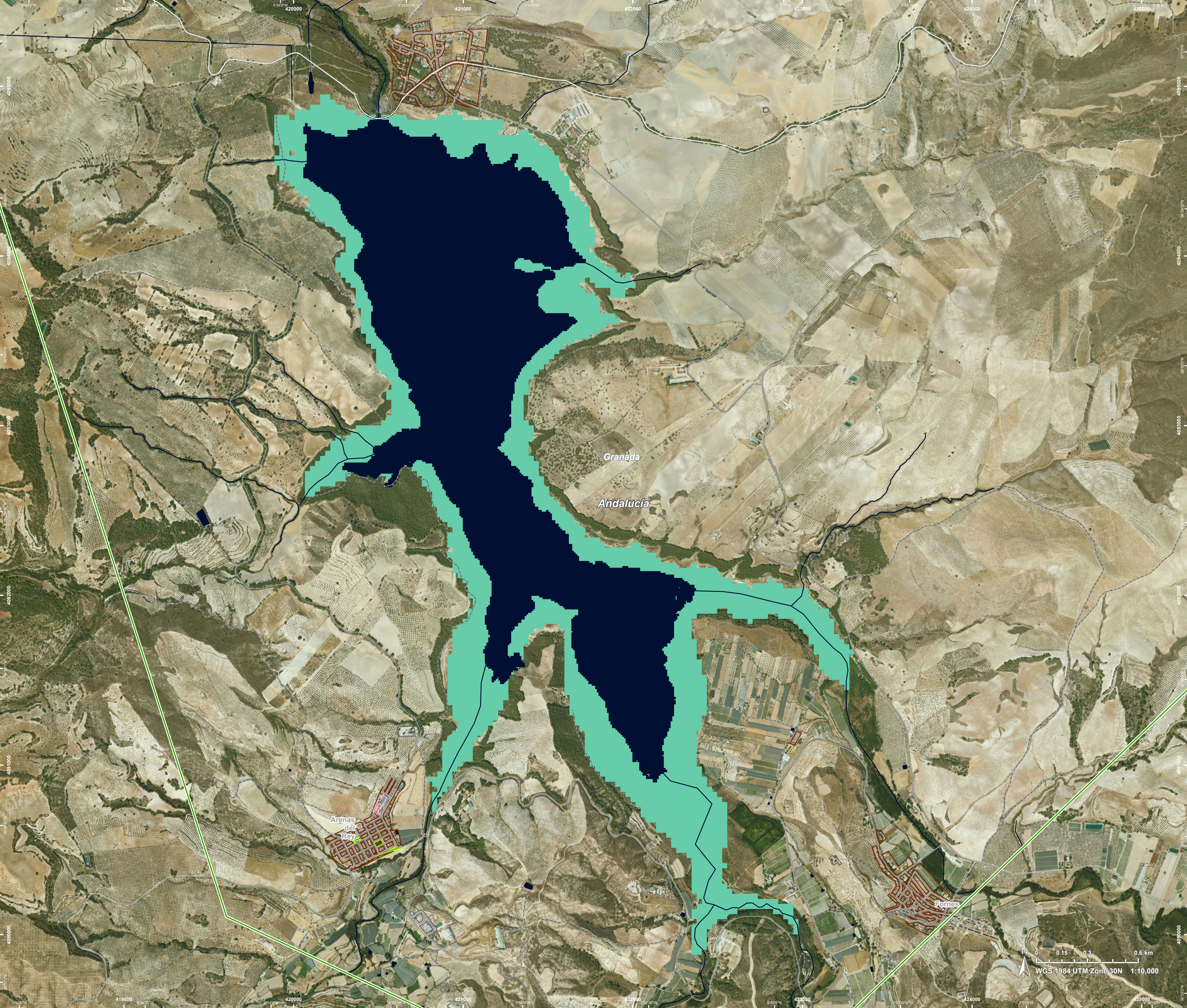
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Delineation MONIT04 - Detail map 06



Estimated flood depth (m)	Facilities
<div></div> Below 0.50	<div></div> Sport and recreation constructions
<b>General Information</b>	<div></div> Dam
<div></div> Area of Interest	<b>Transportation</b>
<b>Built-Up Area</b>	<div></div> Main road
<div></div> Residential	<div></div> Local road
<div></div> Non residential	<div></div> Track
<div></div> School, university and research buildings	<div></div> Helipad
<b>Hydrography</b>	
<div></div> Lake, River	

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Consequences within the AOI

			LATEST IMPACT			
			Unit of measurement	Imagery-based observation*	Model-based output	Imagery- and Model-based results
Crisis information	Flooded area		ha	989.6	930.2	1,919.8
	Maximum of all extents**		ha	989.6	930.2	1,919.8

Estimated population		Inhabitants		POTENTIALLY AFFECTED		TOTAL POTENTIALLY AFFECTED	Total in AOI
		No.		~ 30	~ 150	~ 180	~ 550,000
Assets	Built-up	Residential Buildings	ha	0.9	5.7	6.6	7,578.1
		Office buildings	ha	0	0	0	51.8
		Wholesale and retail trade buildings	ha	0	0	0	17.4
		Industrial buildings	ha	2.1	1.6	3.8	3,025.5
		Museums and libraries	ha	0	0	0	51.1
		School, university and research buildings	ha	0	0.02	0.02	206.4
		Sports halls	ha	0.7	9.7	10.4	186.0
		Hospital or institutional care buildings	ha	0	0	0	13.4
		Military	ha	0	0	0	341.1
		Cemetery	ha	0	0.04	0.04	45.6
		Airfield runways	ha	0	0	0	1,009.6
		Helipad	ha	0	0	0	1.3
	Transportation	Airfield runways	km	0	0	0	13.6
		Highways	km	0	0	0	494.0
		Primary Road	km	0.8	1.3	2.0	219.6
		Secondary Road	km	0.03	0.2	0.2	312.2
		Local Road	km	0.4	5.0	5.4	3,726.8
		Cart Track	km	8.0	15.6	23.7	3,899.0
		Tramway	km	0	0	0	0.02
		Long-distance railways	km	0	0.6	0.6	186.8
		Settling Basin	ha	0	0	0	23.5
		Dams	ha	0.1	0.8	0.9	4.9
	Facilities	Constructions for mining or extraction	ha	2.1	1.6	3.7	681.4
		Power plant constructions	ha	0	0	0	448.3
		Sport and recreation constructions	ha	0	2.3	2.3	730.1
		Other civil engineering works not elsewhere classified	ha	0	0.02	0.02	49.5
		Long-distance pipelines, communication and electricity lines	km	0	0.4	0.4	541.6
		Local pipelines and cables	km	1.4	2.3	3.7	234.0
		Dams	km	0	0	0	0.4
		Other	ha	584.3	463.2	1,047.5	14,510.4
	Land use	Arable land	ha	329.8	304.1	633.9	47,593.8
		Forests	ha	39.7	59.2	98.9	11,684.9
		Shrub and/or herbaceous vegetation association	ha	22.2	42.2	64.4	20,544.6
		Permanent crops	ha	9.7	51.9	61.6	124,688.3
		Heterogeneous agricultural areas	ha	4.0	9.6	13.6	12,084.7
		Pastures	ha	0	0	0	341.1
		Open spaces with little or no vegetation	ha	0	0	0	508.0

\* Corresponds to the water observed in the most recent satellite imagery, excluding permanent water

\*\* Corresponds to the geographic union (and NOT the sum) of all Crisis Information extents.

Disclaimer:

Full disclaimer and other helpful information available in the online manual:

<https://mapping.emergency.copernicus.eu/about/rapid-mapping-manual/>

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Data Access:

All data displayed on the map(s), as well as Land Use - Land Cover layer(s), are available in the Crisis Information Package and the Base Layer Package (for reference data). The table above is available in editable format in the Crisis Information Package. All products and data are also available for download on the portal.

Access to the portal



Estimated Population:

Estimated population is based on Copernicus Global Human Settlement Layer (GHSL) dataset.

Additional population datasets and analysis are available in the summary table.

Data Sources:

Base Vector Layers: OpenStreetMap © OpenStreetMap contributors (2026); Wikimapia.org; GeoNames 2015;

© EuroGeographics, © TurkStat. Source: European Commission – Eurostat/GISCO, 2024.

Corine Land Cover (CLC) 2018.

Inset Maps: Natural Earth 2023; HydroLAKES 2016 by HydroSHEDS;

© EuroGeographics, © TurkStat. Source: European Commission – Eurostat/GISCO, 2024.

Digital Elevation Model:

FABDEM (ForestAndBuildingsremovedCopernicusDEM) removes building and tree height biases from the Copernicus GLO 30

Digital Elevation Model (DEM) (Airbus, 2020).