PLOTDOSSIER · SCREENING

Flood and wildfire screening — Deneme çizimi C (Gediz ovası, Menemen)

PD-FLD-TR-MENEMEN-2026-SAMPLE · 2026-11-20 · 38.62 N, 27.08 E

shared engine v1 · no risk class or score assigned

> Screening only. Not an official flood or fire map, not legal advice, not a planning or insurance opinion. Girdi müşteri poligonu veya deneme çizimidir; kadastro/TKGM sorgusu yoktur.

100.0%	1.36 m	—	1177 m
site in JRC/CEMS RP100 extent	max modelled RP100 depth	observed EMS footprint (if any)	nearest mapped waterway (TR network if in scope)

1. Modelled river-flood hazard (official dataset)

Copernicus EMS / JRC European river-flood hazard maps v3.1.1 (~90 m). Depths in metres over wet cells; supersampled at 1/10 cell for area shares.

Return period	Share of site	Area	Median depth	Max depth
RP10	86.6 %	10.04 ha	0.5 m	0.98 m
RP20	86.6 %	10.04 ha	0.61 m	1.1 m
RP30	86.6 %	10.04 ha	0.68 m	1.17 m
RP40	91.2 %	10.57 ha	0.73 m	1.21 m
RP50	91.2 %	10.57 ha	0.76 m	1.25 m
RP75	93.1 %	10.79 ha	0.83 m	1.32 m
RP100	100.0 %	11.59 ha	0.82 m	1.36 m
RP200	100.0 %	11.59 ha	0.92 m	1.46 m
RP500	100.0 %	11.59 ha	1.03 m	1.57 m

Permanent-water cells touching the site: 0. Spurious-depth cells: 0.

2. Observed flood event (official dataset, if processed)

No processed Copernicus EMS Rapid Mapping footprint for this site (Bu saha için işlenmiş EMS Rapid Mapping izi yok.).

3. Türkiye stream network and relative elevation (indicator)

Nearest OSM waterway: Gediz Nehri (river) · 1177 m. Relative elevation (indicator): 3.35 m. The 'low ground' flag is a documented indicator rule, not an official threshold.

4. Wildfire screening (official datasets)

EFFIS burnt areas within 5 km:

- 2008-06-17 · overlap 0.0 ha (0.0 %) · 3352 m
- 2009-07-20 · overlap 0.0 ha (0.0 %) · 2048 m
- 2011-08-23 · overlap 0.0 ha (0.0 %) · 2514 m
- 2020-07-27 · overlap 0.0 ha (0.0 %) · 3055 m
- 2021-08-10 · overlap 0.0 ha (0.0 %) · 2886 m
- 2024-06-29 · overlap 0.0 ha (0.0 %) · 4414 m
- 2025-06-27 · overlap 0.0 ha (0.0 %) · 3491 m
- 2025-06-27 · overlap 0.0 ha (0.0 %) · 4339 m

FIRMS vegetation-fire detections (type 0 only):

Year	In site	≤1 km	≤5 km
2003	0	0	1
2004	0	0	2
2005	0	0	3
2006	0	0	1
2007	0	0	1
2008	0	0	8
2009	0	0	5
2010	0	0	2
2011	0	0	6
2012	0	0	13
2013	0	0	7
2014	0	0	10
2015	0	0	14
2016	0	0	13
2017	0	0	11
2018	0	0	44
2019	0	0	4
2020	0	0	25
2021	0	0	15
2022	0	0	4
2023	0	0	4
2024	0	0	9
2025	0	0	16

5. Land cover and elevation (indicator)

WorldCover 2021: {"Tree cover": 8.2, "Shrubland": 0.3, "Grassland": 14.1, "Cropland": 69.8, "Built-up": 7.6}

DEM: {"min": 9.7, "median": 11.0, "max": 12.9, "kaynak": "Copernicus_DSM_COG_10_N38_00_E027_00_DEM.tif", "etiket": "indicator"}

6. What this dossier does not say

> - Not an official flood zone, fire-risk map, planning or permit decision. No PlotDossier risk class or score.
> - Pluvial and coastal flooding are not covered by the river-flood model. The ~90 m grid is not building-scale.
> - FIRMS is a heat anomaly, not a confirmed fire perimeter. EFFIS is a satellite burnt-area estimate, not a national cadastre of forests.
> - No land-registry or ownership data processed. No field visit.

7. Sources

- Copernicus EMS / JRC Europe river flood hazard v3.1.1 (CC BY 4.0)
- Copernicus EMS Rapid Mapping (varsa, © EU)
- Copernicus DEM GLO-30
- OpenStreetMap su yolları (ODbL) — Türkiye'de Geofabrik extract
- EFFIS yanan alanlar (CC BY 4.0)
- NASA FIRMS VIIRS/MODIS (type 0)

- ESA WorldCover 2021 (CC BY 4.0)