

Check the Land

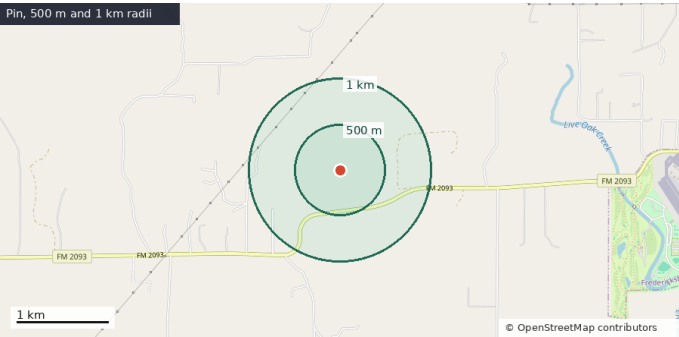
Powered by Groundtruth

Preliminary land screen

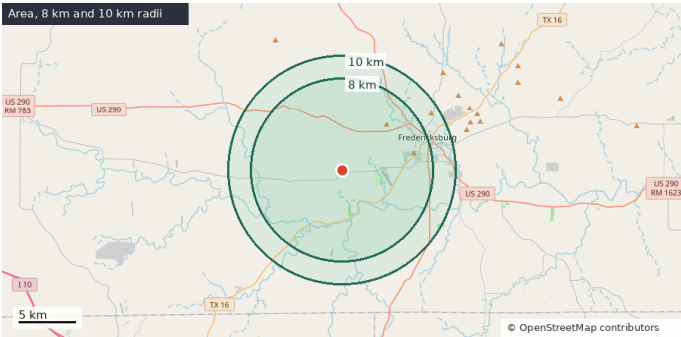
Gillespie County, Texas · 30.25000, -98.95000

Report sample-texas-hill-country | Generated Oct 25, 2026 05:52 PM CT

One selected point and stated search radii. Not a whole-parcel assessment. Confirm the pin before relying on findings.



Selected point: 500 m and 1 km rings
Copyright OpenStreetMap contributors



Wider context: 8 km and 10 km rings

Coverage: 60 values, 16 absent or not applicable, 0 failed or missing. See the evidence and gaps below.

At a glance

NO DATA	No FEMA flood zone mapped at this point
NO FLAG	Gentle slope at the point: 1.3° (2% grade)
CONTEXT	Nearest mapped road: FM 2093, 1,478 ft (451 m)
CONTEXT	High-voltage line 0.5 mi (0.8 km) away (138 kV)
CONTEXT	No elevated wildfire flag in the mapped data
CONTEXT	Mapped wetland 255 ft (78 m) from the pin
CONTEXT	Soil: well drained
NO FLAG	No listed contamination sites close by
NO FLAG	No protected area or critical habitat at the point
LOOK CLOSER	Geologic hazards to check: karst, dams

Findings and next questions

NO DATA | No FEMA flood zone mapped at this point

FEMA's National Flood Hazard Layer has no flood-zone polygon here, or the area has no digital flood map. Unmapped is not the same as low risk: ask the county floodplain manager.

NO FLAG | Gentle slope at the point: 1.3° (2% grade)

Flat to gently sloping where the pin is. Elevation is about 1,745 ft. Slope is measured on a ~10 m elevation grid at the pin, not across the whole parcel. Our cut-offs (8° and 15°) are screening rules of thumb.

CONTEXT | Nearest mapped road: FM 2093, 1,478 ft (451 m)

Mapped as secondary, paved. Straight-line distance from the pin. The nearest major road is FM 2093, 1,478 ft (451 m) away. A nearby road does not prove legal access or an easement.

CONTEXT | High-voltage line 0.5 mi (0.8 km) away (138 kV)

Straight-line distance to the nearest mapped transmission line. The nearest substation is 3.9 mi (6.2 km) away. Public maps show only high-voltage lines. Local distribution lines that serve homes and farms are not in this data, so call the electric utility to confirm service and hookup cost.

CONTEXT | No elevated wildfire flag in the mapped data

FEMA's National Risk Index models about 1 event every 585 years for this census tract (a tract-wide average that can understate exposure at a single spot). Insurance availability and defensible-space rules can depend on these maps. Our 'elevated' cut-off (1 event per 100 years for the tract, a CAL FIRE High or Very High zone, or a past burn at the point) is a screening rule of thumb. State hazard-zone maps are included for California only.

CONTEXT | Mapped wetland 255 ft (78 m) from the pin

Nearest NWI wetland: Riverine Intermittent Streambed Temporarily Flooded. Not at the pin, but it may be on or near the parcel. NWI maps are not a legal delineation.

CONTEXT | Soil: well drained

USDA maps the soil as Luckenbach clay loam, 0 to 3 percent slopes. Drainage: well drained. Shrink-swell: moderate.

NO FLAG | No listed contamination sites close by

No Superfund site within 8 km. No EPA brownfield within 8 km. These are federal lists only; they don't show on-site contamination. A Phase I ESA is the standard check for that.

NO FLAG | No protected area or critical habitat at the point

Neither PAD-US nor USFWS critical habitat maps cover the pin.

LOOK CLOSER | Geologic hazards to check: karst, dams

USGS landslide susceptibility index 0 (none at this cell). Mapped karst area (carbonate): sinkholes are possible. Seismic design category A. 1 high-hazard dam(s) within 10 km.

What we did not check

- Parcel boundaries, ownership, liens, easements, deed restrictions or title
- Zoning, permitted uses, setbacks, HOA rules or permits
- Septic suitability or percolation (soil drainage is shown only as context)
- Local electric distribution lines and the cost of a service connection
- Legal or physical access across neighbouring land
- Private wells, water rights, mineral rights or oil and gas leases
- On-site contamination, buried tanks or debris (needs a Phase I ESA)
- Insurance pricing or availability

Limits of the screen

This is a point-based screen of mapped public data at the selected coordinate and the stated search radii. It does not assess the whole parcel, its boundaries or every corner of the property.

It is not a Phase I Environmental Site Assessment, a survey, a title search, an appraisal, a flood elevation certificate, a soil test or a percolation test, and it is not legal, engineering or insurance advice.

Maps lag reality. FEMA flood maps, wetland maps and infrastructure layers can be years old, and unmapped does not mean no risk.

Distances are straight-line, not driving distance, and a nearby road or power line does not mean legal access, an easement or an available service connection.

Address locations from the Census geocoder are estimated along the street and can be off by a long way in rural areas. Confirm the pin before relying on any result.

Missing or incomplete evidence

FEMA flood zone at the point: No NFHL flood-zone polygon at point (or NFHL not effective here).

CAL FIRE hazard severity zone: the point is outside California — it falls outside the California bounding box entirely, so neither CAL FIRE layer was queried. CAL FIRE FHSZ is a California-only regulatory product and does not apply

CAL FIRE responsibility area: the point is outside California — it falls outside the California bounding box entirely, so neither CAL FIRE layer was queried. CAL FIRE FHSZ is a California-only regulatory product and does not apply

Nearest historical fire perimeter (CA): the point is outside California; CAL FIRE FRAP perimeters are California-only

Most recent burn year at the point (CA): the point is outside California; CAL FIRE FRAP perimeters are California-only

Evidence and sources

Absent does not automatically mean low risk. Read each field's status, source notes and coverage.

Hazards

FEMA flood zone at the point | None / not applicable

Status: absent | Confidence: high | At the selected point

Source: FEMA National Flood Hazard Layer | Dataset: not stated by source | Retrieved: 2026-10-25

https://hazards.fema.gov/arcgis/rest/services/public/NFHL/MapServer/28/query?f=json&geometry=-98.95%2C30.25&geometryType=esriGeometryPoint&inSR=4326&spatialRel=esriSpatialRelIntersects&outFields=FLD_ZONE%2CZONE_SUBTY%2CSFHA_TF%2CFLD_AR_ID%2CDFIRM_ID%2CSOURCE_CIT%2CSTATIC_BFE%2CV_DATUM%2CLEN_UNIT&returnGeometry=false&resultRecordCount=5

No NFHL flood-zone polygon at point (or NFHL not effective here).

Flood zone subtype | None / not applicable

Status: absent | Confidence: high | At the selected point

Source: FEMA National Flood Hazard Layer | Dataset: not stated by source | Retrieved: 2026-10-25

https://hazards.fema.gov/arcgis/rest/services/public/NFHL/MapServer/28/query?f=json&geometry=-98.95%2C30.25&geometryType=esriGeometryPoint&inSR=4326&spatialRel=esriSpatialRelIntersects&outFields=FLD_ZONE%2CZONE_SUBTY%2CSFHA_TF%2CFLD_AR_ID%2CDFIRM_ID%2CSOURCE_CIT%2CSTATIC_BFE%2CV_DATUM%2CLEN_UNIT&returnGeometry=false&resultRecordCount=5

In a FEMA Special Flood Hazard Area | No

Status: ok | Confidence: high | At the selected point

Source: FEMA National Flood Hazard Layer | Dataset: not stated by source | Retrieved: 2026-10-25

https://hazards.fema.gov/arcgis/rest/services/public/NFHL/MapServer/28/query?f=json&geometry=-98.95%2C30.25&geometryType=esriGeometryPoint&inSR=4326&spatialRel=esriSpatialRelIntersects&outFields=FLD_ZONE%2CZONE_SUBTY%2CSFHA_TF%2CFLD_AR_ID%2CDFIRM_ID%2CSOURCE_CIT%2CSTATIC_BFE%2CV_DATUM%2CLEN_UNIT&returnGeometry=false&resultRecordCount=5

No NFHL Flood Hazard Zone polygon intersects the point.

Base flood elevation | None / not applicable

Status: absent | Confidence: high | At the selected point

Source: FEMA National Flood Hazard Layer | Dataset: not stated by source | Retrieved: 2026-10-25

https://hazards.fema.gov/arcgis/rest/services/public/NFHL/MapServer/28/query?f=json&geometry=-98.95%2C30.25&geometryType=esriGeometryPoint&inSR=4326&spatialRel=esriSpatialRelIntersects&outFields=FLD_ZONE%2CZONE_SUBTY%2CSFHA_TF%2CFLD_AR_ID%2CDFIRM_ID%2CSOURCE_CIT%2CSTATIC_BFE%2CV_DATUM%2CLEN_UNIT&returnGeometry=false&resultRecordCount=5

No NFHL flood-zone polygon at point.

Coastal high-hazard (V) zone | None / not applicable

Status: absent | Confidence: high | At the selected point

Source: FEMA National Flood Hazard Layer | Dataset: not stated by source | Retrieved: 2026-10-25

https://hazards.fema.gov/arcgis/rest/services/public/NFHL/MapServer/28/query?f=json&geometry=-98.95%2C30.25&geometryType=esriGeometryPoint&inSR=4326&spatialRel=esriSpatialRelIntersects&outFields=FLD_ZONE%2CZONE_SUBTY%2CSFHA_TF%2CFLD_AR_ID%2CDFIRM_ID%2CSOURCE_CIT%2CSTATIC_BFE%2CV_DATUM%2CLEN_UNIT&returnGeometry=false&resultRecordCount=5

No NFHL flood-zone polygon (or blank FLD_ZONE) at point.

Wildfire frequency, census tract (FEMA NRI) | 0.001708 per year (about 1 event every 585 years)

Status: ok | Confidence: high | At the selected point

Source: FEMA National Risk Index | Dataset: December 2025 | Retrieved: 2026-10-25

https://services.arcgis.com/XG15cJAlne2vxtgt/arcgis/rest/services/National_Risk_Index_Census_Tracts/FeatureServer/0/query

annualized frequency for Census tract 48171950500 — events/yr

CAL FIRE hazard severity zone | None / not applicable

Status: absent | Confidence: high | At the selected point

Source: CAL FIRE Fire Hazard Severity Zones | Dataset: not stated by source | Retrieved: 2026-10-25

https://services1.arcgis.com/jUjYlo9tSA7EHvfZ/arcgis/rest/services/FHSALRA25_v1_All/FeatureServer/0

the point is outside California — it falls outside the California bounding box entirely, so neither CAL FIRE layer was queried. CAL FIRE FHSZ is a California-only regulatory product and does not apply

CAL FIRE responsibility area | None / not applicable

Status: absent | Confidence: high | At the selected point

Source: CAL FIRE Fire Hazard Severity Zones | Dataset: not stated by source | Retrieved: 2026-10-25

https://services1.arcgis.com/jUjYlo9tSA7EHvfZ/arcgis/rest/services/FHSALRA25_v1_All/FeatureServer/0

the point is outside California — it falls outside the California bounding box entirely, so neither CAL FIRE layer was queried. CAL FIRE FHSZ is a California-only regulatory product and does not apply

Nearest historical fire perimeter (CA) | None / not applicable

Status: absent | Confidence: high | At the selected point

Source: CAL FIRE FRAP fire perimeters | Dataset: not stated by source | Retrieved: 2026-10-25

https://services1.arcgis.com/jUjYlo9tSA7EHvfZ/arcgis/rest/services/California_Historic_Fire_Perimeters/FeatureServer/0

the point is outside California; CAL FIRE FRAP perimeters are California-only

Most recent burn year at the point (CA) | None / not applicable

Status: absent | Confidence: high | At the selected point

Source: CAL FIRE FRAP fire perimeters | Dataset: not stated by source | Retrieved: 2026-10-25

https://services1.arcgis.com/jUjYlo9tSA7EHvfZ/arcgis/rest/services/California_Historic_Fire_Perimeters/FeatureServer/0

the point is outside California; CAL FIRE FRAP perimeters are California-only

Landslide susceptibility index (USGS) | 0

Status: ok | Confidence: medium | At the selected point

Source: USGS landslide susceptibility (Belair et al. 2024) | Dataset: USGS Slope-Relief-Threshold landslide susceptibility (n10_susc, 2024), native 90 m | Retrieved: 2026-10-25

<https://doi.org/10.5066/P13KAGU3>

native 90 m n10 cell (conus); susceptible 10 m cells of 81

Seismic design category (ASCE 7-22) | A

Status: ok | Confidence: high | At the selected point

Source: USGS seismic design maps (ASCE 7-22) | Dataset: not stated by source | Retrieved: 2026-10-25

<https://earthquake.usgs.gov/ws/building-codes/asce7-22/calculate?latitude=30.25&longitude=-98.95&riskCategory=II&siteClass=D&title=groundtruth>

ASCE 7-22, Risk Category II, site class D; $S_s=0.056$ $S_1=0.033$ $SDS=0.051$ $SD1=0.05$ $PGAM=0.027$

Peak ground acceleration, 2% in 50 years | 0.035 g

Status: ok | Confidence: high | At the selected point

Source: USGS National Seismic Hazard Model 2023 | Dataset: USGS 2023 NSHM (CONUS), PGA 2% in 50 yr, Vs30 760 m/s, 0.01 g contours | Retrieved: 2026-10-25

<https://www.sciencebase.gov/catalog/item/644af897d34e45f6ddcd13b3>

nearest 2023 NSHM contour 0.03 g at 44749 m (+0.005 band midpoint); containing-band midpoint 0.025 g

Tornado frequency, census tract (FEMA NRI) | 0.02693 per year (about 1 event every 37 years)

Status: ok | Confidence: high | At the selected point

Source: FEMA National Risk Index | Dataset: December 2025 | Retrieved: 2026-10-25

https://services.arcgis.com/XG15cJAlne2vxtgt/arcgis/rest/services/National_Risk_Index_Census_Tracts/FeatureServer/0/query
annualized frequency for Census tract 48171950500 — events/yr

Hail frequency, census tract (FEMA NRI) | 4.126 per year (about 4.1 events per year)

Status: ok | Confidence: high | At the selected point

Source: FEMA National Risk Index | Dataset: December 2025 | Retrieved: 2026-10-25

https://services.arcgis.com/XG15cJAlne2vxtgt/arcgis/rest/services/National_Risk_Index_Census_Tracts/FeatureServer/0/query
annualized frequency for Census tract 48171950500 — events/yr

Design wind speed (ASCE 7-22) | 105 mph

Status: ok | Confidence: high | At the selected point

Source: ASCE 7-22 wind speeds (NOAA) | Dataset: not stated by source | Retrieved: 2026-10-25

https://gis.asce.org/arcgis/rest/services/ASCE722/w2022_Tile_RC_II/MapServer/identify

ASCE 7-22 RC II 3-s gust, Exposure C; interpolated raster (Wind Speed CONUS (Vmph)).

Nearest dam | 2.4 mi (3.8 km)

Status: ok | Confidence: high | Search radius: 10 km (6.2 mi)

Source: USACE National Inventory of Dams | Dataset: not stated by source | Retrieved: 2026-10-25

https://geospatial.sec.usace.army.mil/dls/rest/services/NID/National_Inventory_of_Dams_Public_Service/FeatureServer/0/query
nearest dam Lady Bird Johnson Park Dam (TX02548)

Nearest dam hazard potential | Low

Status: ok | Confidence: high | Search radius: 10 km (6.2 mi)

Source: USACE National Inventory of Dams | Dataset: not stated by source | Retrieved: 2026-10-25

https://geospatial.sec.usace.army.mil/dls/rest/services/NID/National_Inventory_of_Dams_Public_Service/FeatureServer/0/query
NID TX02548

High-hazard dams within 10 km | 1

Status: ok | Confidence: high | Search radius: 10 km (6.2 mi)

Source: USACE National Inventory of Dams | Dataset: not stated by source | Retrieved: 2026-10-25

https://geospatial.sec.usace.army.mil/dls/rest/services/NID/National_Inventory_of_Dams_Public_Service/FeatureServer/0/query

In a mapped karst area | Yes

Status: ok | Confidence: high | At the selected point

Source: USGS karst map | Dataset: not stated by source | Retrieved: 2026-10-25

https://services3.arcgis.com/C5ala0c3gUMji8fg/arcgis/rest/services/Karst_USGS/FeatureServer/14/query

Karst type | carbonate

Status: ok | Confidence: high | At the selected point

Source: USGS karst map | Dataset: not stated by source | Retrieved: 2026-10-25

https://services3.arcgis.com/C5ala0c3gUMji8fg/arcgis/rest/services/Karst_USGS/FeatureServer/14/query

Carbonate rocks at or near the land surface in a dry climate — Hensell Sand (TX)

Current drought category (US Drought Monitor) | D0

Status: ok | Confidence: high | At the selected point

Source: US Drought Monitor | Dataset: US Drought Monitor map valid 20261020 | Retrieved: 2026-10-25

https://droughtmonitor.unl.edu/data/shapefiles_m/USDM_current_M.zip

Terrain & soils

Elevation | 1,745 ft (532 m)

Status: ok | Confidence: high | At the selected point

Source: USGS 3DEP elevation | Dataset: 3DEP 1/3 arc-second seamless DEM | Retrieved: 2026-10-25

https://prd-tnm.s3.amazonaws.com/StagedProducts/Elevation/13/TIFF/current/n31w099/USGS_13_n31w099.tif

Slope at the point | 1.3° (2% grade)

Status: ok | Confidence: high | At the selected point

Source: USGS 3DEP elevation | Dataset: not stated by source | Retrieved: 2026-10-25

https://prd-tnm.s3.amazonaws.com/StagedProducts/Elevation/13/TIFF/current/n31w099/USGS_13_n31w099.tif

Horn 3x3 kernel on the 1/3 arc-second DEM.

Slope faces | S

Status: ok | Confidence: high | At the selected point

Source: USGS 3DEP elevation | Dataset: not stated by source | Retrieved: 2026-10-25

https://prd-tnm.s3.amazonaws.com/StagedProducts/Elevation/13/TIFF/current/n31w099/USGS_13_n31w099.tif

Soil map unit | Luckenbach clay loam, 0 to 3 percent slopes

Status: ok | Confidence: high | At the selected point

Source: USDA NRCS soil survey (SSURGO / gNATSGO) | Dataset: SSURGO TX171 mukey 366206 | Retrieved: 2026-10-25

<https://sdmdataaccess.sc.egov.usda.gov/tabular/post.rest>

dominant component Luckenbach (92%)

Soil drainage class | Well drained

Status: ok | Confidence: high | At the selected point

Source: USDA NRCS soil survey (SSURGO / gNATSGO) | Dataset: SSURGO TX171 mukey 366206 | Retrieved: 2026-10-25

<https://sdmdataaccess.sc.egov.usda.gov/tabular/post.rest>

dominant component Luckenbach (92%)

Hydrologic soil group | C

Status: ok | Confidence: high | At the selected point

Source: USDA NRCS soil survey (SSURGO / gNATSGO) | Dataset: SSURGO TX171 mukey 366206 | Retrieved: 2026-10-25

<https://sdmdataaccess.sc.egov.usda.gov/tabular/post.rest>

dominant component Luckenbach (92%)

Shrink-swell potential | Moderate

Status: ok | Confidence: high | At the selected point

Source: USDA NRCS soil survey (SSURGO / gNATSGO) | Dataset: SSURGO TX171 mukey 366206 | Retrieved: 2026-10-25

<https://sdmdataaccess.sc.egov.usda.gov/tabular/post.rest>

dominant component Luckenbach (92%)

Ponding frequency | None

Status: ok | Confidence: high | At the selected point

Source: USDA NRCS soil survey (SSURGO / gNATSGO) | Dataset: SSURGO TX171 mukey 366206 | Retrieved: 2026-10-25

<https://sdmdataaccess.sc.egov.usda.gov/tabular/post.rest>

dominant component Luckenbach (92%)

Depth to restrictive layer | None / not applicable

Status: absent | Confidence: high | At the selected point

Source: USDA NRCS soil survey (SSURGO / gNATSGO) | Dataset: not stated by source | Retrieved: 2026-10-25

<https://sdmdataaccess.sc.egov.usda.gov/tabular/post.rest>

No restrictive layer within the described profile (right-censored at ~200 cm). Map unit: Luckenbach clay loam, 0 to 3 percent slopes.

Depth to bedrock (modelled) | 1.0 m (3.3 ft)

Status: ok | Confidence: low | At the selected point

Source: Pelletier et al. 2016 soil/sediment thickness | Dataset: Pelletier et al. 2016 | Retrieved: 2026-10-25

<https://doi.org/10.3334/ORNLDAAAC/1304>

Pelletier 2016 average soil+sedimentary-deposit thickness at the 30 arc-second cell

Infrastructure & access

Nearest mapped road | 1,478 ft (451 m)

Status: ok | Confidence: high | Search radius: 500 m

Source: Overture Maps transportation | Dataset: 2026-10-21.0 | Retrieved: 2026-10-25

<https://overturemaps.org/documentation/transportation/>

Nearest road name | FM 2093

Status: ok | Confidence: high | Search radius: 500 m

Source: Overture Maps transportation | Dataset: 2026-10-21.0 | Retrieved: 2026-10-25

<https://overturemaps.org/documentation/transportation/>

Overture segment 9da67007-a242-46a9-bd5d-4c0f44779403

Nearest road class | secondary

Status: ok | Confidence: high | Search radius: 500 m

Source: Overture Maps transportation | Dataset: 2026-10-21.0 | Retrieved: 2026-10-25

<https://overturemaps.org/documentation/transportation/>

Overture segment 9da67007-a242-46a9-bd5d-4c0f44779403

Nearest road surface | paved

Status: ok | Confidence: high | Search radius: 500 m

Source: Overture Maps transportation | Dataset: 2026-10-21.0 | Retrieved: 2026-10-25

<https://overturemaps.org/documentation/transportation/>

Overture segment 9da67007-a242-46a9-bd5d-4c0f44779403

Nearest major road | 1,478 ft (451 m)

Status: ok | Confidence: high | At the selected point

Source: Overture Maps transportation | Dataset: 2026-10-21.0 | Retrieved: 2026-10-25

<https://overturemaps.org/documentation/transportation/>

Nearest major road name | FM 2093

Status: ok | Confidence: high | At the selected point

Source: Overture Maps transportation | Dataset: 2026-10-21.0 | Retrieved: 2026-10-25

<https://overturemaps.org/documentation/transportation/>

Overture segment 9da67007-a242-46a9-bd5d-4c0f44779403

Nearest high-voltage transmission line | 0.5 mi (0.8 km)

Status: ok | Confidence: high | At the selected point

Source: EIA US Energy Atlas | Dataset: not stated by source | Retrieved: 2026-10-25

https://services2.arcgis.com/FiaPA4ga0iQKduv3/arcgis/rest/services/Power_Plants_in_the_US/FeatureServer/0/query

That line's voltage | 138 kilovolts

Status: ok | Confidence: high | At the selected point

Source: EIA US Energy Atlas | Dataset: not stated by source | Retrieved: 2026-10-25

https://services2.arcgis.com/FiaPA4ga0iQKduv3/arcgis/rest/services/Power_Plants_in_the_US/FeatureServer/0/query

Nearest substation | 3.9 mi (6.2 km)

Status: ok | Confidence: high | Search radius: 200 km (124.3 mi)

Source: EIA / HIFLD substations | Dataset: not stated by source | Retrieved: 2026-10-25

https://services5.arcgis.com/HDRa0B57OVrv2E1q/arcgis/rest/services/Electric_Substations/FeatureServer/0/query

nearest substation: UNKNOWN309172

Fiber reported in the area (FCC) | No

Status: ok | Confidence: high | At the selected point

Source: FCC Broadband Data Collection | Dataset: FCC BDC fixed availability, Living Atlas 'December 2025 (Latest)' H3 res-8 | Retrieved: 2026-10-25

https://services8.arcgis.com/peDZJli5vYims39Q/arcgis/rest/services/FCC_Broadband_Data_Collection_December_2024_View/FeatureServer/5

True when >=1 ISP reports FTTP in H3 res-8 hex 88489d4a4dffff

Nearest public water system service area | 1.9 mi (3.0 km)

Status: ok | Confidence: high | Search radius: 50 km (31.1 mi)

Source: EPA community water system service areas | Dataset: V3.0 (2026-03-17) | Retrieved: 2026-10-25

https://services.arcgis.com/cj9YHowT8TU7DUyn/arcgis/rest/services/Water_System_Boundaries/FeatureServer/0/query

Nearest sewer service area | 2.6 mi (4.2 km)

Status: ok | Confidence: high | Search radius: 50 km (31.1 mi)

Source: EPA sewersheds | Dataset: not stated by source | Retrieved: 2026-10-25

https://services.arcgis.com/cj9YHowT8TU7DUyn/arcgis/rest/services/National_Sewershed_Web_Map_Internal_WFL1/FeatureServer/0/query

Households on private wells nearby | moderate

Status: ok | Confidence: medium | At the selected point

Source: USGS self-supplied (well) households | Dataset: USGS modelled self-supplied households, 1 km, 2020 census blocks | Retrieved: 2026-10-25

<https://doi.org/10.5066/P13BILQT>

frozen bands: none = 0, sparse <= 1, moderate <= 10, dense <= 50, very_dense > 50

Depth to water, nearest USGS well | None found within 10 km (6.2 mi)

Status: absent | Confidence: high | Search radius: 10 km (6.2 mi)

Source: USGS groundwater levels (NWIS) | Dataset: USGS Water Data discrete groundwater-level field measurements (latest per well) | Retrieved: 2026-10-25

<https://api.waterdata.usgs.gov/ogcapi/v0/collections/latest-field-measurements/items>

no USGS groundwater-level well within 10 km

Nearest fire station | 4.9 mi (7.9 km)

Status: ok | Confidence: high | Search radius: 50 km (31.1 mi)

Source: Overture Maps places | Dataset: 2026-10-21.0 | Retrieved: 2026-10-25

<https://docs.overturemaps.org/guides/places/>

geodesic distance to the nearest open fire station; Overture conflation confidence 0.95

Fire station name | Fredericksburg Fire and EMS Department Central Station

Status: ok | Confidence: high | Search radius: 50 km (31.1 mi)

Source: Overture Maps places | Dataset: 2026-10-21.0 | Retrieved: 2026-10-25

<https://docs.overturemaps.org/guides/places/>

name of the nearest open fire station; Overture conflation confidence 0.95

Nearest hospital | 3.9 mi (6.4 km)

Status: ok | Confidence: high | Search radius: 50 km (31.1 mi)

Source: Overture Maps places | Dataset: 2026-10-21.0 | Retrieved: 2026-10-25

<https://docs.overturemaps.org/guides/places/>

geodesic distance to the nearest open hospital; Overture conflation confidence 0.99

Nearest school | 3.2 mi (5.1 km)

Status: ok | Confidence: high | Search radius: 50 km (31.1 mi)

Source: Overture Maps places | Dataset: 2026-10-21.0 | Retrieved: 2026-10-25

<https://docs.overturemaps.org/guides/places/>

geodesic distance to the nearest open school; Overture conflation confidence 1.00

Nearest grocery store | 4.7 mi (7.5 km)

Status: ok | Confidence: high | Search radius: 50 km (31.1 mi)

Source: Overture Maps places | Dataset: 2026-10-21.0 | Retrieved: 2026-10-25

<https://docs.overturemaps.org/guides/places/>

geodesic distance to the nearest open grocery store; Overture conflation confidence 0.98

Nearest Census urban area | 2.9 mi (4.6 km)

Status: ok | Confidence: high | At the selected point

Source: Census 2020 urban areas | Dataset: 2020 Census Urban Areas (TIGER/Line 2023 UAC20) | Retrieved: 2026-10-25

https://www2.census.gov/geo/tiger/TIGER2023/UAC/tl_2023_us_uac20.zip

nearest urban area: Fredericksburg, TX

Nearest interstate gas pipeline | 3.1 mi (4.9 km)

Status: ok | Confidence: high | At the selected point

Source: EIA US Energy Atlas | Dataset: not stated by source | Retrieved: 2026-10-25

https://services2.arcgis.com/FiaPA4ga0iQKduv3/arcgis/rest/services/Power_Plants_in_the_US/FeatureServer/0/query

nearest Intrastate pipeline, operator Atmos Pipeline - Texas

Nearest public airport | 2.5 mi (4.0 km)

Status: ok | Confidence: high | At the selected point

Source: FAA airport records | Dataset: FAA NASR airport master records via BTS NTAD Aviation Facilities (28-day cycle) | Retrieved: 2026-10-25

https://services.arcgis.com/xOi1kZaI0eWDREZv/arcgis/rest/services/NTAD_Aviation_Facilities/FeatureServer/0/query

Airport name | GILLESPIE COUNTY

Status: ok | Confidence: high | At the selected point

Source: FAA airport records | Dataset: FAA NASR airport master records via BTS NTAD Aviation Facilities (28-day cycle) | Retrieved: 2026-10-25

https://services.arcgis.com/xOi1kZaI0eWDREZv/arcgis/rest/services/NTAD_Aviation_Facilities/FeatureServer/0/query

FAA id T82; facility use PU

Environment

Mapped wetland at the point (NWI) | No

Status: ok | Confidence: high | At the selected point

Source: USFWS National Wetlands Inventory | Dataset: not stated by source | Retrieved: 2026-10-25

https://fwspublicservices.wim.usgs.gov/wetlandsmapservice/rest/services/Wetlands/MapServer/0/query?f=json&geometry=-98.95%2C30.25&geometryType=esriGeometryPoint&inSR=4326&spatialRel=esriSpatialRelIntersects&distance=500&units=esriSRUnit_Meter&outFields=OBJECTID%2CATTRIBUTES%2CWETLAND_TYPE%2CACRES&returnGeometry=true&outSR=4326

Nearest mapped wetland | 255 ft (78 m)

Status: ok | Confidence: high | Search radius: 500 m

Source: USFWS National Wetlands Inventory | Dataset: not stated by source | Retrieved: 2026-10-25

https://fwspublicservices.wim.usgs.gov/wetlandsmapservice/rest/services/Wetlands/MapServer/0/query?f=json&geometry=-98.95%2C30.25&geometryType=esriGeometryPoint&inSR=4326&spatialRel=esriSpatialRelIntersects&distance=500&units=esriSRUnit_Meter&outFields=OBJECTID%2CATTRIBUTES%2CWETLAND_TYPE%2CACRES&returnGeometry=true&outSR=4326

Nearest wetland type | Riverine Intermittent Streambed Temporarily Flooded

Status: ok | Confidence: high | Search radius: 500 m

Source: USFWS National Wetlands Inventory | Dataset: not stated by source | Retrieved: 2026-10-25

https://fwspublicservices.wim.usgs.gov/wetlandsmapservice/rest/services/Wetlands/MapServer/0/query?f=json&geometry=-98.95%2C30.25&geometryType=esriGeometryPoint&inSR=4326&spatialRel=esriSpatialRelIntersects&distance=500&units=esriSRUnit_Meter&outFields=OBJECTID%2CATTRIBUTES%2CWETLAND_TYPE%2CACRES&returnGeometry=true&outSR=4326

Mapped wetlands within 500 m | 1

Status: ok | Confidence: high | Search radius: 500 m

Source: USFWS National Wetlands Inventory | Dataset: not stated by source | Retrieved: 2026-10-25

https://fwspublicservices.wim.usgs.gov/wetlandsmapservice/rest/services/Wetlands/MapServer/0/query?f=json&geometry=-98.95%2C30.25&geometryType=esriGeometryPoint&inSR=4326&spatialRel=esriSpatialRelIntersects&distance=500&units=esriSRUnit_Meter&outFields=OBJECTID%2CATTRIBUTES%2CWETLAND_TYPE%2CACRES&returnGeometry=true&outSR=4326

Mapped stream/water area at the point | No

Status: ok | Confidence: high | At the selected point

Source: USGS National Hydrography Dataset | Dataset: not stated by source | Retrieved: 2026-10-25

<https://hydro.nationalmap.gov/arcgis/rest/services/nhd/MapServer/9>

Nearest named waterbody | None found within 2 km (1.2 mi)

Status: absent | Confidence: medium | Search radius: 2 km (1.2 mi)

Source: USGS National Hydrography Dataset | Dataset: NHDPlus V2 (1:100k medium resolution) fallback | Retrieved: 2026-10-25

<https://api.water.usgs.gov/geoserver/wmadata/ows?typeName=wmadata:nhdwaterbody>

NHD HR service unavailable (ReadTimeout); used NHDPlus V2 medium-res WFS. no NHD waterbody within 2000 m.

Protected area at the point (PAD-US) | No

Status: ok | Confidence: high | At the selected point

Source: USGS PAD-US protected areas | Dataset: USGS PAD-US 4.1 (Protection Mechanism Category combined layer) | Retrieved: 2026-10-25

https://services.arcgis.com/v01gqwM5QqNysAAi/arcgis/rest/services/Protection_Mechanism_Category_PADUS/FeatureServer/0/query

Protected area name | None / not applicable

Status: absent | Confidence: high | At the selected point

Source: USGS PAD-US protected areas | Dataset: USGS PAD-US 4.1 (Protection Mechanism Category combined layer) | Retrieved: 2026-10-25

https://services.arcgis.com/v01gqwM5QqNysAAi/arcgis/rest/services/Protection_Mechanism_Category_PADUS/FeatureServer/0/query

no PAD-US protected area at this coordinate

Critical habitat at the point (USFWS) | No

Status: ok | Confidence: high | At the selected point

Source: USFWS critical habitat | Dataset: USFWS ECOS critical habitat (Final + Proposed polygons, live service) | Retrieved: 2026-10-25

https://services.arcgis.com/QVENGdaPbd4LUkLV/arcgis/rest/services/USFWS_Critical_Habitat/FeatureServer/0/query

Critical habitat species | None / not applicable

Status: absent | Confidence: high | At the selected point

Source: USFWS critical habitat | Dataset: USFWS ECOS critical habitat (Final + Proposed polygons, live service) | Retrieved: 2026-10-25

https://services.arcgis.com/QVENGdaPbd4LUkLV/arcgis/rest/services/USFWS_Critical_Habitat/FeatureServer/0/query

no USFWS critical habitat (Final or Proposed) at this coordinate

Nearest Superfund site | None found within 8 km (5.0 mi)

Status: absent | Confidence: medium | Search radius: 8 km (5.0 mi)

Source: EPA Superfund (SEMS) | Dataset: EPA FRS SEMS Superfund interests (NPL + non-NPL; FRS_INTERESTS hosted FeatureServer, live) | Retrieved: 2026-10-25

https://services.arcgis.com/cj9YHowT8TU7DUyn/arcgis/rest/services/FRS_INTERESTS/FeatureServer/0/query

no Superfund site within 8 km

Superfund sites within 8 km | 0

Status: ok | Confidence: medium | Search radius: 8 km (5.0 mi)

Source: EPA Superfund (SEMS) | Dataset: EPA FRS SEMS Superfund interests (NPL + non-NPL; FRS_INTERESTS hosted FeatureServer, live) | Retrieved: 2026-10-25

https://services.arcgis.com/cj9YHowT8TU7DUyn/arcgis/rest/services/FRS_INTERESTS/FeatureServer/0/query

count of distinct Superfund site records within 8 km

Nearest brownfield (EPA ACRES) | None found within 8 km (5.0 mi)

Status: absent | Confidence: medium | Search radius: 8 km (5.0 mi)

Source: EPA brownfields (ACRES) | Dataset: EPA FRS ACRES brownfield interest sites (FRS_INTERESTS hosted FeatureServer, live) | Retrieved: 2026-10-25

https://services.arcgis.com/cj9YHowT8TU7DUyn/arcgis/rest/services/FRS_INTERESTS/FeatureServer/0/query

no brownfield site within 8 km

Nearest underground storage tank facility | 3.0 mi (4.8 km)

Status: ok | Confidence: medium | Search radius: 8 km (5.0 mi)

Source: EPA UST Finder | Dataset: EPA UST Finder (frozen snapshot: states 2018-2019, territories 2020-2021, tribal lands; UST_Finder_Feature_Layer_2 hosted FeatureServer) | Retrieved: 2026-10-25

https://services.arcgis.com/cj9YHowT8TU7DUyn/arcgis/rest/services/UST_Finder_Feature_Layer_2/FeatureServer/0/query

geodesic distance to the nearest UST Finder tank facility (open or closed tanks) — a record of a facility, not of contamination; locality/ZIP-centroid geocodes excluded

Open leaking-tank sites within 1 km | 0

Status: ok | Confidence: medium | Search radius: 1 km (0.6 mi)

Source: EPA UST Finder (releases) | Dataset: EPA UST Finder (frozen snapshot: states 2018-2019, territories 2020-2021, tribal lands; UST_Finder_Feature_Layer_2 hosted FeatureServer) | Retrieved: 2026-10-25

https://services.arcgis.com/cj9YHowT8TU7DUyn/arcgis/rest/services/UST_Finder_Feature_Layer_2/FeatureServer/1/query

count of leaking-UST releases within 1 km whose state cleanup status reads Open in the snapshot

Nearest documented orphaned oil/gas well | None found within 50 km (31.1 mi)

Status: absent | Confidence: high | Search radius: 50 km (31.1 mi)

Source: USGS documented orphaned wells | Dataset: not stated by source | Retrieved: 2026-10-25

<https://www.usgs.gov/data/united-states-documented-unplugged-orphaned-oil-and-gas-well-dataset>

No documented orphaned well within the 50 km screening band.

Nearest EPA risk-management (RMP) facility | 4.6 mi (7.3 km)

Status: ok | Confidence: medium | Search radius: 10 km (6.2 mi)

Source: EPA Facility Registry (RMP) | Dataset: EPA Facility Registry Service, RMP interest layer (FRS_INTERESTS hosted FeatureServer, live) | Retrieved: 2026-10-25

https://services.arcgis.com/cj9YHowT8TU7DUyn/arcgis/rest/services/FRS_INTERESTS/FeatureServer/0/query

geodesic distance to the nearest RMP-registered facility (EPA FRS interest point); a screening proximity signal

Land cover (USFS LCMS) | Grass/Forb/Herb

Status: ok | Confidence: high | At the selected point

Source: USFS Landscape Change Monitoring System | Dataset: USFS LCMS CONUS 2025 annual (30 m) | Retrieved: 2026-10-25

https://imagery.geoplatform.gov/iipp/rest/services/Vegetation/USFS_EDW_LCMS_AnnualLandcover_CONUS/ImageServer

LCMS class code 10

Land use (USFS LCMS) | Other

Status: ok | Confidence: high | At the selected point

Source: USFS Landscape Change Monitoring System | Dataset: USFS LCMS CONUS 2025 annual (30 m) | Retrieved: 2026-10-25

https://imagery.geoplatform.gov/iipp/rest/services/Vegetation/USFS_EDW_LCMS_AnnualLanduse_CONUS/ImageServer

LCMS class code 5

Tree canopy (~120 m block) | 0%

Status: ok | Confidence: high | At the selected point

Source: USFS/MRLC NLCD tree canopy | Dataset: USFS/MRLC NLCD Tree Canopy Cover (latest annual, 30 m) | Retrieved: 2026-10-25

https://imagery.geoplatform.gov/iipp/rest/services/Vegetation/USFS_EDW_NLCD_TCC_CONUS/ImageServer

mean of 25 30 m pixels in a ~120 m block

Crop/land class (USDA CDL) | Shrubland

Status: ok | Confidence: high | At the selected point

Source: USDA Cropland Data Layer | Dataset: USDA CDL 2025 (30 m) | Retrieved: 2026-10-25

<https://nassgeodata.gmu.edu/axis2/services/CDLService/GetCDLValue?year=2025&x=-283422.20&y=801524.63>

CDL code 152

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US Drought Monitor: jointly produced by the National Drought Mitigation Center at the University of Nebraska-Lincoln, USDA and NOAA. Map courtesy of NDMC.

USGS landslide susceptibility: Belair, G.M., et al., 2024, U.S. Geological Survey data release, doi:10.5066/P13KAGU3.

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