

# WISCONSIN INTERAGENCY KARST FEATURE REPORTING FORM 2000-1

This form is used to report the locations of "karst" features such as caves, sinkholes, enlarged fractures, disappearing streams or other surface drainage, and springs. Old/abandoned mine shafts are also included.

**Please mail or FAX completed form to:**

Karst Information File  
 WISCONSIN GEOLOGICAL & NATURAL HISTORY SURVEY  
 3817 MINERAL POINT RD  
 MADISON WI 53705-5100 fax: (608) 262-8086 phone: (608) 262-1705

*WGNHS use only:*

Form Received Date: \_\_\_\_\_  
 Database Entry Date: \_\_\_\_\_

↑ THESE THREE SECTIONS MUST BE COMPLETED ↓

County: \_\_\_\_\_ (circle one) T. \_\_\_\_\_ N R. \_\_\_\_\_ E or W \_\_\_\_\_ ¼ of \_\_\_\_\_ ¼ of Sec. \_\_\_\_\_ Lot: \_\_\_\_\_ Gov

Fire #/Street Address: \_\_\_\_\_ Landscape Area (✓ all that apply)  
 rural  industrial  
 urban  highway  
 other (describe)

City/Town/Village: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
 Topographic Quad/Map Name: \_\_\_\_\_

Reporter Name (Last, First): \_\_\_\_\_ Reporter Phone: \_\_\_\_\_  
 Employer/Occupation: \_\_\_\_\_ Reporter Email: \_\_\_\_\_  
 Field Observation Date: \_\_\_\_\_ Reporting Date: \_\_\_\_\_  
 Property Owner Name: \_\_\_\_\_  
 Property Owner Address: \_\_\_\_\_ Owner Phone: \_\_\_\_\_

<u>Feature Arrangement</u> (✓ all that apply)	<u>Feature Type</u> (✓ all that apply)	<u>Concern</u> (✓ all that apply)
<input type="checkbox"/> isolated features	<input type="checkbox"/> sinkhole	<input type="checkbox"/> soil loss/erosion
<input type="checkbox"/> cluster of features	<input type="checkbox"/> enlarged fracture	<input type="checkbox"/> water quality
	<input type="checkbox"/> cave	<input type="checkbox"/> collapse/safety
	<input type="checkbox"/> spring	<input type="checkbox"/> endangered species
	<input type="checkbox"/> mine	<input type="checkbox"/> flooding
total # of features = _____	<input type="checkbox"/> other (describe)	<input type="checkbox"/> other (describe)

Karst Classification\* (enter one from list on back of this form): \_\_\_\_\_

<u>Shape</u> (✓ one)	<u>Size</u> (enter all that apply & circle unit)	<u>Feature orientation</u> (compass): _____
<input type="checkbox"/> circular	length: _____ feet / meter	Is feature open? <input type="checkbox"/> Y <input type="checkbox"/> N
<input type="checkbox"/> elongate	width: _____ feet / meter	Is feature filled? <input type="checkbox"/> Y <input type="checkbox"/> N
<input type="checkbox"/> linear	depth: _____ feet / meter	fill material: _____
<input type="checkbox"/> other (describe)	diameter: _____ feet / meter	

Evidence of surface drainage into feature?  Y  N      Drainage Area Size in Acres (✓ one)  
 Feature may receive polluted drainage?  Y  N       < 1       1 - 10       > 10

Nearby Land Use & Estimated Distance (✓ all that apply, then enter distance & measurement unit)

<input type="checkbox"/> high capacity well – municipal: _____	<input type="checkbox"/> house: _____	<input type="checkbox"/> landfill: _____
<input type="checkbox"/> high capacity well – agricultural: _____	<input type="checkbox"/> building: _____	<input type="checkbox"/> dam: _____
<input type="checkbox"/> high capacity well – industrial: _____	<input type="checkbox"/> septic field: _____	<input type="checkbox"/> farm field: _____
<input type="checkbox"/> high capacity well – other: _____	<input type="checkbox"/> quarry: _____	<input type="checkbox"/> parking lot: _____
<input type="checkbox"/> gasoline service station: _____	<input type="checkbox"/> gravel pit: _____	<input type="checkbox"/> livestock pen: _____
<input type="checkbox"/> animal waste lagoon: _____	<input type="checkbox"/> potable well: _____	<input type="checkbox"/> irrigation ditch: _____
<input type="checkbox"/> sanitary plant lagoon: _____	<input type="checkbox"/> salt storage shed: _____	<input type="checkbox"/> cemetery: _____
<input type="checkbox"/> storm water detention pond: _____	<input type="checkbox"/> highway/street pavement: _____	
<input type="checkbox"/> chemical storage: _____	<input type="checkbox"/> other (describe): _____	

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This form is used to report the locations of "karst" features such as caves, sinkholes, enlarged fractures, disappearing streams or other surface drainage, and springs. Old/abandoned mine shafts are also included.

<p>Feature mapped as ... (✓ one)</p> <p><input type="checkbox"/> point    <input type="checkbox"/> line    <input type="checkbox"/> area</p> <p>Referencing System: _____          (e.g., WTM, Lat/Long, State Plane, UTM, county system)</p> <p>Datum (or Spheroid for Lat/Long): _____          (e.g., datums = NAD91, NAD27; spheroids = WGS84, GRS80)</p> <p>* <b>Attach another sheet or a diskette with an ASCII file of coordinates or ArcView shapefile, if more than four x-y coordinates are collected for the karst feature(s) described on this form.</b></p>	<p>X-coordinate (e.g., Long., Easting)</p> <p>_____</p> <p>_____</p> <p>_____</p>	<p>Y-coordinates (e.g., Lat., Northing)</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>(see note* below)</p>
<p>Comments: _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>		

Feature Drawing: *Plan view sketch should include: nearby landmarks (e.g., roads, fences, buildings), approximate scale, north arrow, cross-section (if appropriate). Attach photos or other reference maps as needed.*

- Karst Classification List:**

**Sinkhole:** a topographic depression (unless filled) in which bedrock is dissolved or collapsed. Sinkholes may be open, covered, buried, or partially filled with soil, field stones, vegetation, weathered bedrock, water or other miscellaneous debris. Sinkholes are usually circular, funnel-shaped, or elongated. Sinkhole dimensions vary by region. Wisconsin sinkholes generally range between 20 to 30 feet in diameter and 4 to 10 feet deep, although some can be wider and/or deeper.

**Enlarged Fracture:** solution enlarged or widened bedrock fracture that usually narrows with depth.

**Pavement:** extensive bare areas of exposed bedrock surfaces with many enlarged fractures or sinkhole features.

**Fracture Trace:** linear feature, including stream segment, vegetative trend and soil tonal alignment.

**Spring/Seep:** intermittent or permanent seepage of water from ground surface or bedrock outcrop or karst area.

**Cave:** natural cavity, large enough to be entered, which is connected to subsurface passages in bedrock.

**Karst Pond:** closed depression in a karst area containing standing water.

**Swallet:** a place where surface or storm water drainage disappears underground.

**Karst Fen:** marsh formed by plants overgrowing a karst lake or seepage area.

**Mine Feature:** a man-made shaft, tunnel, cave, hole, or other feature created for mining purposes.