

The following was presented at DMT'08 (May 18-21, 2008).

The contents are provisional and will be superseded by a paper in the DMT'08 Proceedings.

See also earlier Proceedings (1997-2007) http://ngmdb.usgs.gov/info/dmt/

Field Data Entry Tools for Kentucky Sites

Jerry Weisenfluh and Doug Curl

Kentucky Geological Survey

Digital Mapping Techinques '08 Moscow, Idaho

A Variety of Site Characteristics

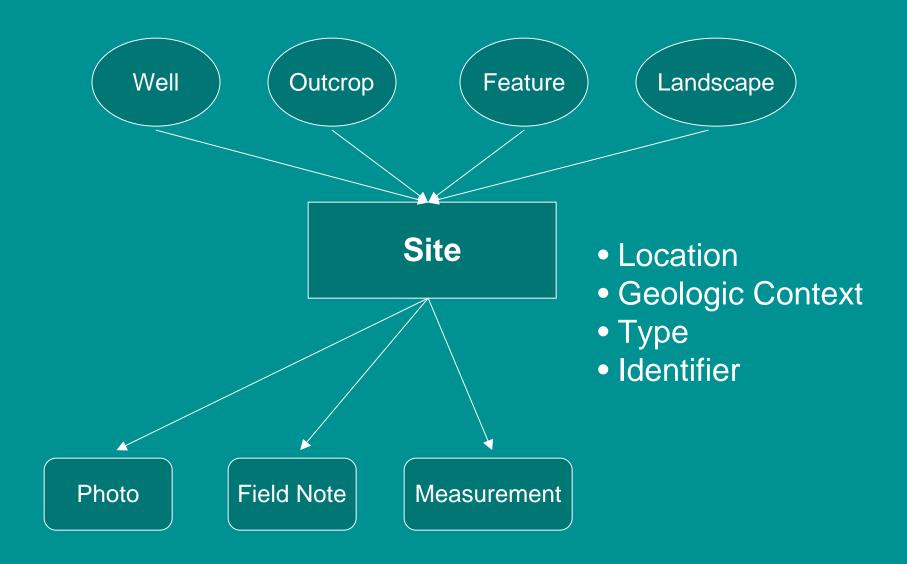






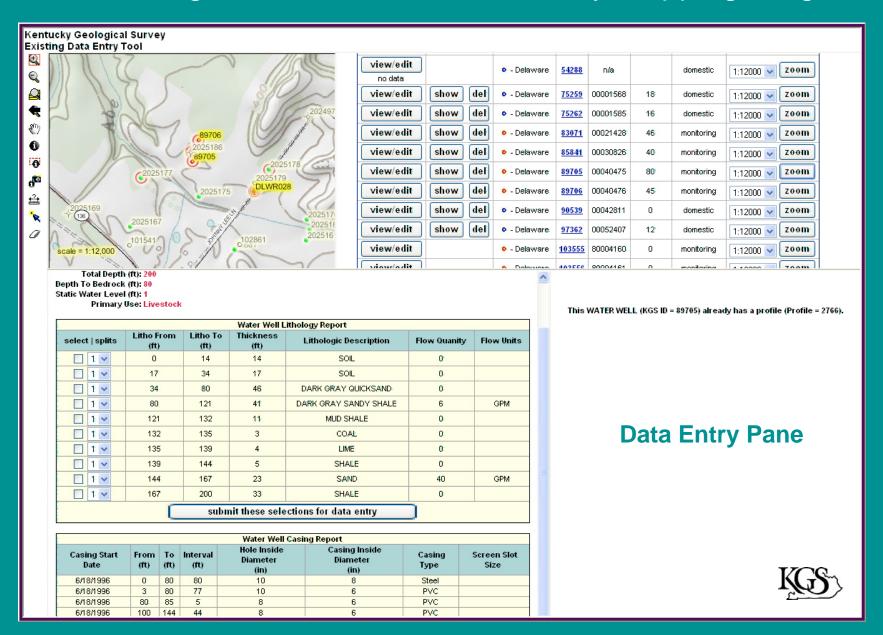




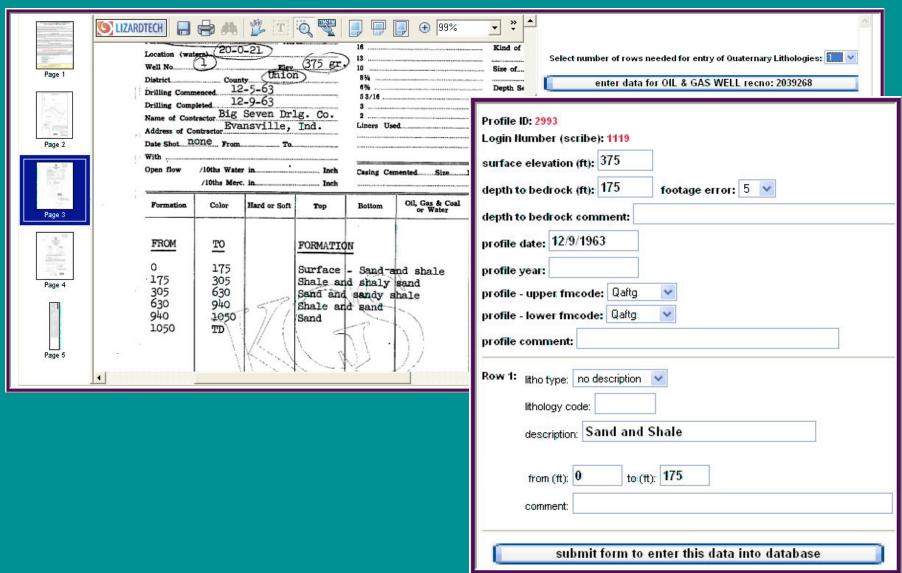




Harvesting well data for the Quaternary Mapping Program

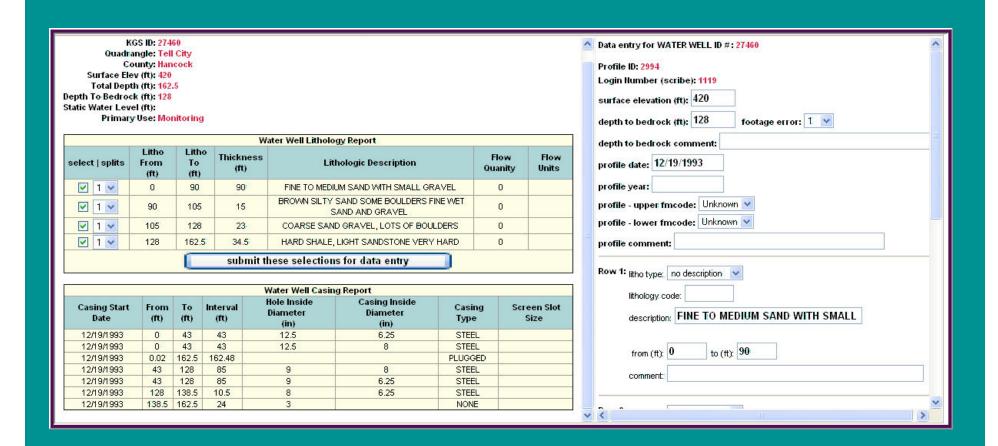


Oil and Gas Well Records





Water Well Records





Site Information

profile_id	profile_type	stratigraphic_thi	measured_from	record_number	construction_id
4210	q_coal_borehole	100	1		
4211	q_coal_borehole	42			
4212	q_water_well	28.5			107524
4213	q_coal_borehole	23.5			
4214	q_water_well	56			107523
4215	q_coal_borehole	20			
4216	q_water_well	56			107522
4217	q_water_well	56			107521
4218	q_coal_borehole	20			
4219	q_water_well	86			107520
4220	q_water_well	47			110087
4221	q_water_well	34			110086
4222	q_coal_borehole	44.5			
4223	q_water_well	64			110085

Database

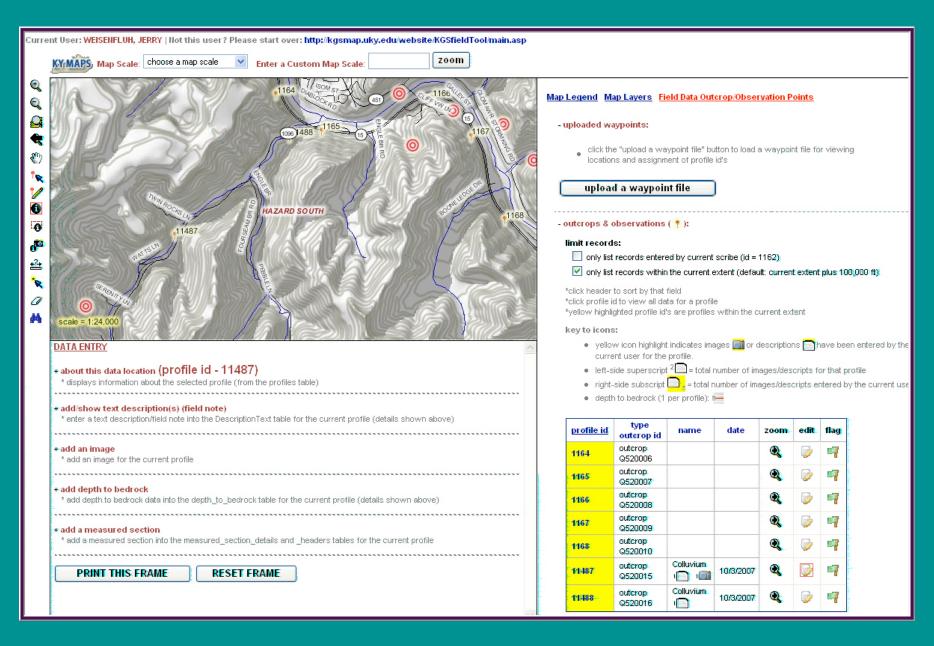
Depth to Bedrock

Г	surface_elevation	bedrock_depth	footage_error	comment	profile_id
	385	36	2		2439
	474.9	15	1	org. bedrock at 30.92	2466
	520.8	5.6	1		2467
	400	101	1	determined from header information	2468
	432	39	1	orig. bedrock at 42.5	2470
	519.8	3	1		2472
	537.75	5	1		2473
	450	8	1		2474
	448	6	1	orig. bedrock at 39	2475
	425	24	1		2481
	460	4	1		2482
	480	18	1		2486
	390	22	10	questionable depth to bedrock	2487
	375		1		2488

Unconsolicated Lithologies

from_ft	to_ft	litho_type	lithology_text	comment
7	12	U	red brown clayey silt	
12	31	В	med It gray silty shale	
0	10	S	soil	
10	40	U	blue muck & quick sand.	weathered bedrock?
40	60	В	sandstone	
0	10	S	soil	
10	35	U	quick sand	weathered bedrock?
35	42	U	blue muck	weathered bedrock?
42	46	В	mud shale	
0	13	U	It brown silt.	
13	13.5	В	med light gray shale	
0	11.5	U	brown red clay	
11.5	37	В	sandstone	
	1.4	S	soil	





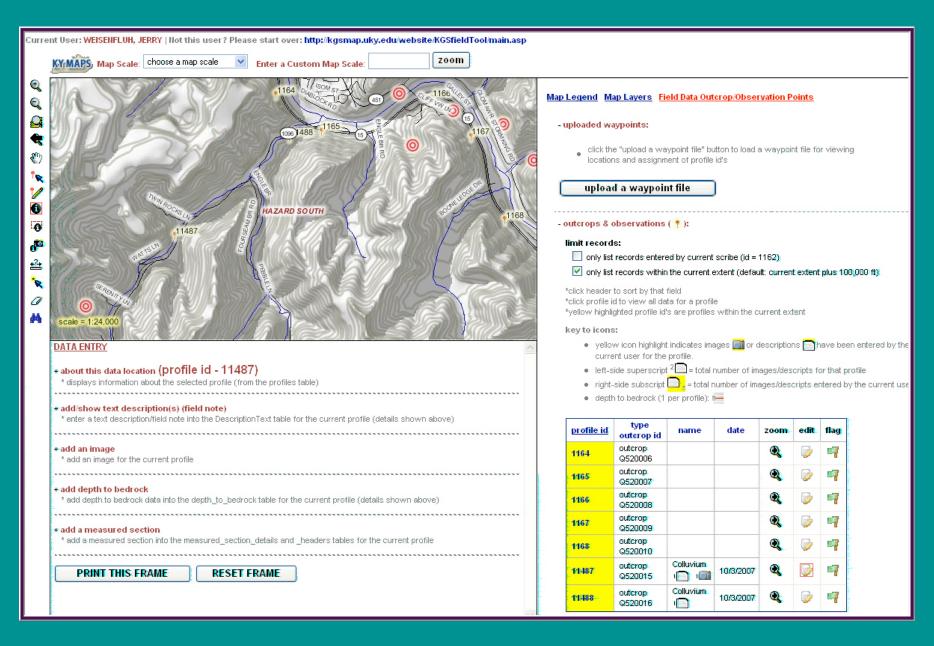


Kentucky Geological Survey waypoints upload tool Upload A Waypoints Text File: Browse... Does file contain a header row? YES NO Text File Must Follow These Format Rules: must be smaller than 1 MB · must indicate (above) if file contains a header row · header row column names cannot contain spaces header row column names must be <u>UNIQUE</u> · must be comma-delimited must contain at least 4 columns; 1st column = id number (<u>must be a number</u>) 2nd column = latitude/horthing/y (must be a number): • 3rd column = longitude/easting/x (must be a number) • 4th column = label field (text - can be id number and must be less than 12 characters) . can have as many columns as necessary after the first four columns. Select the Datum and Projection of the Coordinates in Your Data File: SELECT A DATUM SELECT A PROJECTION Latitude/Longitude (decimal degree) North American Datum 1927 (HAD-27) UTM Zone 17 (meters) UTM Zone 16 (meters) KY State Plane Single Zone (US Feet) North American Datum 1983 (HAD-83) (KY State Plane South Zone (US Feet) KY State Plane North Zone (US Feet): note: KY State Plane Single Zone is NOT available for NAD 27 Datum validate coordinates in file before upload

Create Site Id From GPS Readings

ID	Latitude	Longitude	Label	Looking	MP
1	37.89521	85.11089	1	N/S	44.3
2	37.87599	85.18356	2	S	39.9
3	37.87615	85.20144	3	N/S	39.1
4	37.88285	85.22426	4	N	37.3
5	37.88378	85.2447	5	N/S	36.5
6	37.8778	85.2709	6	N/S	35.1
7	37.8646	85.3163	7	N/S	32.3
8	37.83189	85.38549	8	N/S	27.9
9	37.79835	85.42886	9	S	24.5
10	37.7768	85.46988	10	S	21.7
11	37.78227	85.48193	11	N/S	20.8
12	37.76153	85.60671	12:	S	13.5
13	37.72189	85.73766	13	S	5.7







enter fmcode(s):

(if it has more than one code, please use a ; to seperate them)

+ Display Fmcode Finder

- add depth to bedrock:

* add depth to bedrock data into the depth_to_bedrock table for the current profile (details shown above)

surface elevation (ft):

depth to bedrock (ft):

footage error: 1

denth to hadrock comment:

- add an image:

* add an image for the current profile

IMAGE ENTRY FORM (a new page will appear)

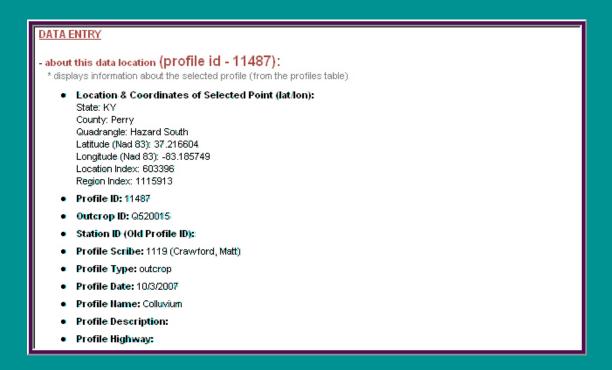
- *NOTE: you may be prompted to login. If so, then 1) login, 2) close the new window, and 3) try this tool again.
- **Once an image is submitted, re-click the edit button on the right for this profile in order to view the entered image below.

Photos already entered for this profile:

photo id	photo caption (link to photo)	thumbnail
873	Colluvium, accumulation zone (Ca), approx. 15 ft thick; silt-sized particles to large rocks, matrix supported, largest clast is approx. 1.5 ft by .5 ft. by ?. Base of Ca in contact with Alluvium in stream. Approx. 25% gravel, 25% sand, 40% silt, and 10 % clay, Low plasticity. USCS field identification ranges from a Silty Gravel (GM) to Silty Sand (SM).	



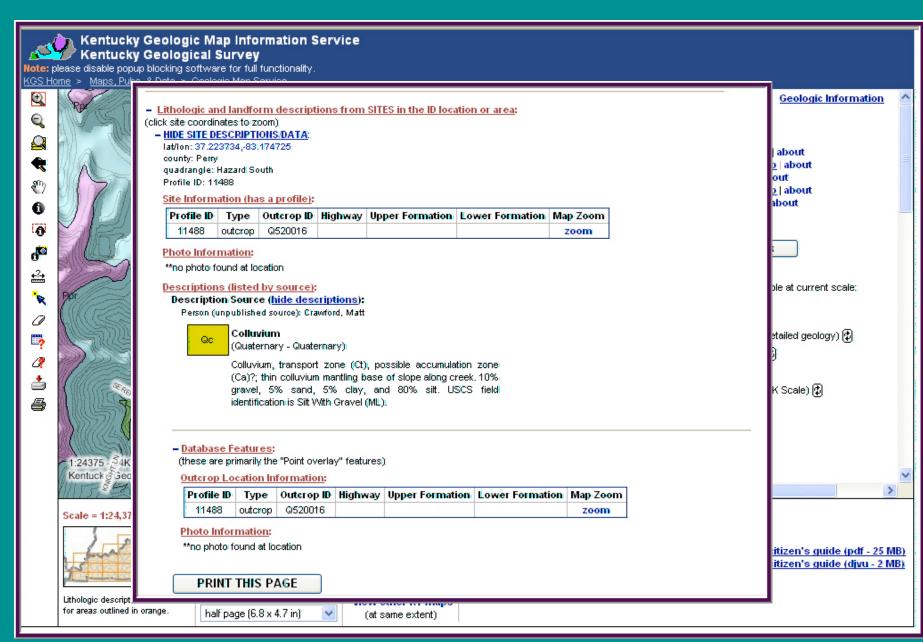
Update Site Description



View other field notes at this site









Contact US

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