

Water-Data Report 2013

375948085584601 Local number (FORT KNOX NO 9)

Alluvial aquifers
Outwash

Hardin County, KY

LOCATION.--Lat 37°59'48", long 85°58'46" referenced to North American Datum of 1927, Hardin County, KY, Hydrologic Unit 05140102, Ft. Knox quadrangle, 200 ft south of Ohio River at end of gravel road from Mercer Lane to Ft. Knox well field, 50 ft north of production well no. 9. Owner: Ft. Knox.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 119 ft. Upper casing diameter 2.0 in; top of first opening undefined, bottom of last opening undefined.

DATUM.--Land-surface datum is 423.33 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.50 ft above land-surface datum, April 15, 2002, to present.

PERIOD OF RECORD.--September 1996 to current year.

GAGE.--Continuous recorder , 30 minute interval.

REMARKS.--Ft. Knox project monitoring well. Water levels affected by river stage and nearby pumping.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 21.44 ft above land-surface datum, May 28, 2011; lowest, 46.79 ft below land-surface datum, Oct. 30, 2012.

375948085584601 Local number (FORT KNOX NO 9)—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY OBSERVATION AT 1200 HOURS

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	45.70	40.22	39.71	32.23	33.17	40.05	37.55	32.66	37.19	---	---	---
2	45.80	38.07	39.73	32.80	31.07	39.48	38.09	32.80	37.00	---	---	---
3	45.80	36.41	39.72	33.23	29.17	39.03	38.52	32.81	36.92	---	---	---
4	40.86	35.69	39.64	33.61	32.91	38.87	38.59	33.33	36.88	---	---	---
5	40.66	35.82	39.62	34.01	26.92	38.94	38.86	33.91	36.96	---	---	---
6	40.58	36.20	39.50	34.38	26.84	39.62	33.72	37.96	37.02	---	---	---
7	40.59	36.69	39.35	34.88	27.34	39.88	33.97	32.28	37.13	---	---	---
8	40.65	37.12	38.94	35.50	28.53	34.62	34.32	36.55	37.16	---	---	---
9	40.70	37.44	38.15	35.97	29.50	33.20	34.57	32.42	37.02	---	---	---
10	45.36	37.81	36.86	35.95	30.09	32.44	34.72	32.15	36.85	---	---	---
11	46.02	38.10	35.38	35.95	30.78	32.17	34.99	31.10	36.68	---	---	---
12	46.27	38.37	34.24	35.59	31.26	31.68	35.07	30.23	36.46	---	---	---
13	46.36	38.47	33.04	35.10	31.88	31.55	34.55	30.29	36.89	---	---	---
14	46.43	38.66	32.30	33.77	32.18	31.75	33.95	30.56	36.53	---	---	---
15	46.49	38.61	32.09	32.16	32.37	31.59	33.30	31.25	35.31	---	---	---
16	46.51	38.42	32.69	30.98	32.36	31.46	32.53	31.81	33.68	---	---	---
17	46.57	38.25	33.53	30.50	32.52	31.68	32.06	32.65	---	---	---	---
18	46.62	38.26	34.31	30.02	32.89	31.24	31.73	33.46	---	---	---	---
19	46.59	38.59	34.85	34.06	33.47	30.45	31.19	34.00	---	---	---	---
20	46.68	38.76	34.64	33.60	34.15	29.36	30.36	34.39	---	---	---	---
21	46.71	38.96	34.17	33.37	34.50	28.58	29.85	34.90	---	---	---	---
22	46.72	39.05	33.20	34.10	34.75	28.19	29.84	35.41	---	---	---	---
23	46.71	39.17	32.65	34.99	34.98	28.42	30.21	35.74	---	---	---	---
24	46.70	39.26	32.33	31.10	35.01	29.00	30.82	35.98	---	---	---	---
25	46.71	39.31	32.15	31.86	35.20	29.98	31.04	36.01	---	---	---	---
26	46.74	39.43	32.03	33.30	35.42	35.66	31.28	35.89	---	---	---	---
27	46.74	39.58	32.50	34.24	35.47	36.35	31.82	36.08	---	---	---	---
28	46.56	39.67	32.43	34.89	40.32	36.52	32.45	36.42	---	---	---	---
29	46.75	39.69	32.16	35.33	---	36.38	32.70	36.74	---	---	---	---
30	46.79	39.73	31.91	35.18	---	36.44	32.75	36.76	---	---	---	---
31	41.47	---	31.76	34.28	---	36.50	---	42.09	---	---	---	---
Max	46.79	40.22	39.73	35.97	40.32	40.05	38.86	42.09	37.19	---	---	---
Min	40.58	35.69	31.76	30.02	26.84	28.19	29.84	30.23	33.68	---	---	---

Water Year 2013

High	26.84
Low	46.79

375948085584601 Local number (FORT KNOX NO 9)—Continued

