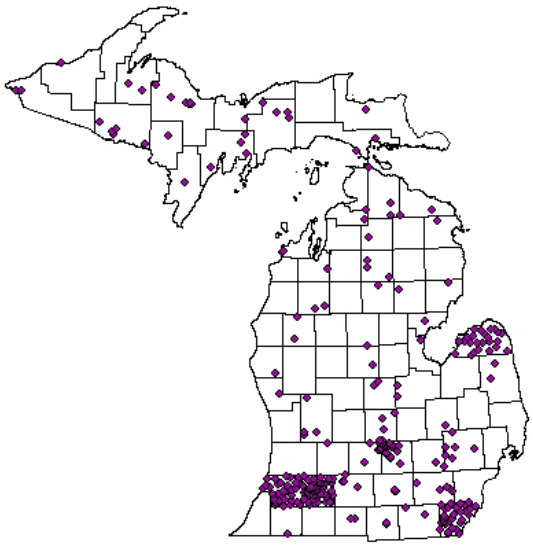
In cooperation with the State of Michigan, Department of Environmental Quality

Summary of Recovered Historical Ground-Water-Level Data for Michigan, 1934–2005



Open-File Report 2006–1057

U.S. Department of the Interior
U.S. Geological Survey



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By Cassaundra L. Cornett, Suzanne L. Crowley, Rose M. McGowan, Stephen P. Blumer, and Howard W. Reeves

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U.S. Department of the Interior
U.S. Geological Survey

U.S. Department of the Interior
Gale A. Norton, Secretary

U.S. Geological Survey
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1. Diagram showing well-naming system used in Michigan showing nearest 2.5-acre subsection to well designated 45N 19W 25BDDC 01 Alger (Kentucky CCC) 7

Conversion Factors and Datums

Inch/Pound to SI

Multiply	By	To obtain
Length		
foot (ft)	0.3048	meter (m)
mile (mi)	1.609	kilometer (km)
acre	0.4046	hectare
acre	4,046	square meter (m^2)

Vertical coordinate information is referenced to either the North American Vertical Datum of 1988 (NAVD 88) or the National Geodetic Vertical Datum of 1929 (NGVD 29) as indicated on each plot.

Horizontal coordinate information is referenced to the North American Datum of 1983 (NAD 83).

County outline maps in Appendix 2 from State of Michigan, Center for Geographic Information, http://www.michigan.gov/cgi

Summary of Recovered Historical Ground-Water-Level Data for Michigan, 1934–2005

By Cassaundra L. Cornett, Suzanne L. Crowley, Rose M. McGowan, Stephen P. Blumer, and Howard W. Reeves

Abstract

This report documents ground-water-level data-recovery efforts performed by the USGS Michigan Water Science Center and provides nearly three-hundred hydrographs generated from these recovered data. Data recovery is the process of verifying and transcribing data from paper files into the USGS National Water Information System (NWIS) electronic databases appropriate for ground-water-level data. Entering these data into the NWIS databases makes them more useful for USGS analysis and also makes them available to the public through the internet.

Introduction

Beginning in 1998, staff from the USGS Michigan Water Science Center (then Michigan District, Water Resources Discipline) began to recover historical ground-water-level data from paper files and enter it into USGS electronic databases. In 2003, USGS entered a cooperative research agreement with the Michigan Department of Environmental Quality to aid in development of a ground-water inventory and map for the State in response to Public Act 148 (Michigan State Legislature, 2003). This cooperative research agreement enabled a more focused effort to recover ground-water-level data and to make these data available to the public. This report documents the data-recovery effort and provides nearly 300 hydrographs that were generated from these recovered

data. These hydrographs also are available through an interactive Web site hosted by Michigan State University for the Michigan Department of Environmental Quality (http://gwmap.rsgis.msu.edu/).

Data Recovery

Data recovery, as defined for this report, is the process of entering data from paper files into the USGS National Water Information System (NWIS) electronic databases appropriate for ground-water-level data. Paper files containing water-level data are organized for each well into individual site files held in storage at the USGS Michigan Water Science Center. Site files also may contain field notes, maps, site descriptions, and well logs. During the data-recovery project described herein, site files were checked and various discrepancies from the well-naming convention described in this report were discovered and noted. In addition, site files for stations with data already in the USGS electronic databases were checked. Water-level data were transcribed from the paper records into one of two USGS databases that are part of the USGS National Water Information System. The databases are ADAPS (Automated Data Processing System) and GWSI (Ground-Water Site Inventory System).

Continuous water-level data are stored in ADAPS. For active wells, raw data collected using various measurement devices with data loggers are stored and processed in ADAPS. Typically, the daily maximum depth to water is computed and stored in ADAPS, along with the raw data. Data recovery was required for wells for which continuous water-level data were recorded on paper disk or chart. In the years before data were entered into electronic databases, daily maximum values were hand-picked from the paper disk or chart and tabulated by month. These monthly tables of daily maximum depth-to-water values are stored in the site files. During the recovery process, the tabulated daily maximum depth-to-water values were compiled, and

problems noted by the hydrologic technicians in the site files were examined. If no problems were identified, then water levels were entered into ADAPS. Individual data values were excluded from ADAPS only if a compelling reason to disregard a measurement could be found in the site files. The Michigan Water Science Center Networks Operations Chief then did a quality-control check on the recovered data, summarized the data recovery for the well, and noted any potential problems or unusual data points. These data-recovery summaries were placed with the other records for the well in the site files at the USGS Michigan Water Science Center.

Intermittent ground-water level data are stored in GWSI. The recovery process was similar for these data as described for the continuous water-level data. The major difference between the data stored in the two databases is that the GWSI data are typically single water-level readings made on given days. The water level for any day in the GWSI database generally is not the maximum depth to water for that day; but, for many sites, trends in water levels can be identified from intermittent measurements. In addition to periodic measurements for wells that do not have continuous measurement instrumentation, the current practice of the USGS Michigan Water Science Center is to enter into GWSI manually collected water-level data (tape-down measurements) collected by a hydrologic technician for quality-control testing and calibration of instrumentation at instrumented sites. Because of these calibration points and because data recorders may not be used for the entire period of operation for various wells, many wells are represented in both the ADAPS and GWSI databases.

Water-Level-Summary Plots

As of August 2005, the USGS public system NWISWeb did not display or provide access to ground-water-level data stored in ADAPS. To provide this information to the public for the ground-water inventory and map project, a custom PERL script was written to combine data

extracted from both ADAPS and GWSI and to produce graphs of the data. The software library PGPLOT (Pearson, 2002) was used to generate the plots. The PERL module PGPLOT.pm (Glazebrook, 2000) was used to link the PGPLOT library to the PERL script. Because summaries of the observed water levels were desired for the ground-water inventory and map project, a water-year summary plot was made for every site with more than 4 years of record in ADAPS. These summary plots are described below.

Period-of-Record Plots

Hydrographs of the depth to water from the land surface are presented in Appendix 1 for each well with recovered data and a verified site file. The data from both ADAPS and GWSI are shown. Data from water year 2005 are denoted by a different symbol because at the time of writing they were still subject to revision prior to final USGS approval. Data within the GWSI database also can be modified with a status code to indicate conditions at the site at the time of measurement. If a status code was entered on the paper record, then it was entered into the electronic database. These status codes, when present in the ADAPS record for a site, are printed on the hydrographs.

Water-Year-Summary Plots

For wells with ADAPS records with greater than 4 years of data, a water-year-summary plot is presented. This summary plot shows a 5-day moving average for the water level for each day of the year and lines indicating 1 standard deviation greater and less than the average value computed by use of the 5-day-moving-average points. The moving average is used to smooth the record, and it is defined by

$$\overline{w_i} = \frac{1}{n_p} \sum_{j=1}^{n_y} (w_{i-2} + w_{i-1} + w_i + w_{i+1} + w_{i+2})_j \quad i = 3, 363 \qquad (1)$$

In equation 1, $\overline{w}_i$ is the 5-day moving average of the daily maximum depth to water; n_p is the number of points used to compute the average, which is typically $5n_y$ unless data are missing; n_y is the number of years of record for the well; and $w_{i,j}$ is the maximum depth-to-water for day *i* for year *j*. The variance of maximum water level for each day is defined by

$$\sigma_i^2 = \frac{1}{(n_p - 1)} \left(\sum_{j=1}^{n_y} (w_{i-2}^2 + w_{i-1}^2 + w_i^2 + w_{i+1}^2 + w_{i+2}^2)_j - \frac{\left(\sum_{j=1}^{n_y} (w_{i-2} + w_{i-1} + w_i + w_{i+1} + w_{i+2})_j \right)^2}{n_p} \right) \quad i = 3, 363 \tag{2}$$

The standard deviation is the square root of variance,

$$\sigma_i = \sqrt{\sigma_i^2} \tag{3}$$

If data are available for water year 2005, the daily maximum depth to water or the GWSI data point for the day also is shown on the plot.

Well-Identification Convention

Wells in the USGS Michigan Water Science Center NWIS database generally follow two conventions for identification: the USGS site number and a well name consistent with use in Michigan. The USGS site number consists of the latitude and longitude of the well (as degrees, minutes, seconds) followed by a sequence number. For example, an Alger County well with a USGS site number of 461605086374101 has a latitude of 46° 16’ 05”and a longitude of 86° 37’ 41”; the sequence number for the well is 01. For some older wells, this convention was not

followed. If the location of the well was corrected after the site number was assigned, then the change was made to the location information in the site file but not to the site number. (To maintain consistency in the database, USGS site numbers are not changed once assigned to a site.)

The name assigned to a well typically follows a system used for many years in Michigan. (See, for example, Huffman and Whited, 1993.) This system indicates the location of wells by township (first part of name), range (second part of name), and section/subsection (thirdpart). A sequence number is added if more than one well is in the subsection. For the name assigned by USGS, the county is given after the township-range-section identifier, and a local or short name for the well is at the end. For example, the name of the well with USGS Site Number 461605086374101 is 45N 19W 25BDDC 01 Alger (Kentucky CCC). The short name is Kentucky CCC, and the location of this well to the nearest 2.5-acre subsection is illustrated in figure 1.

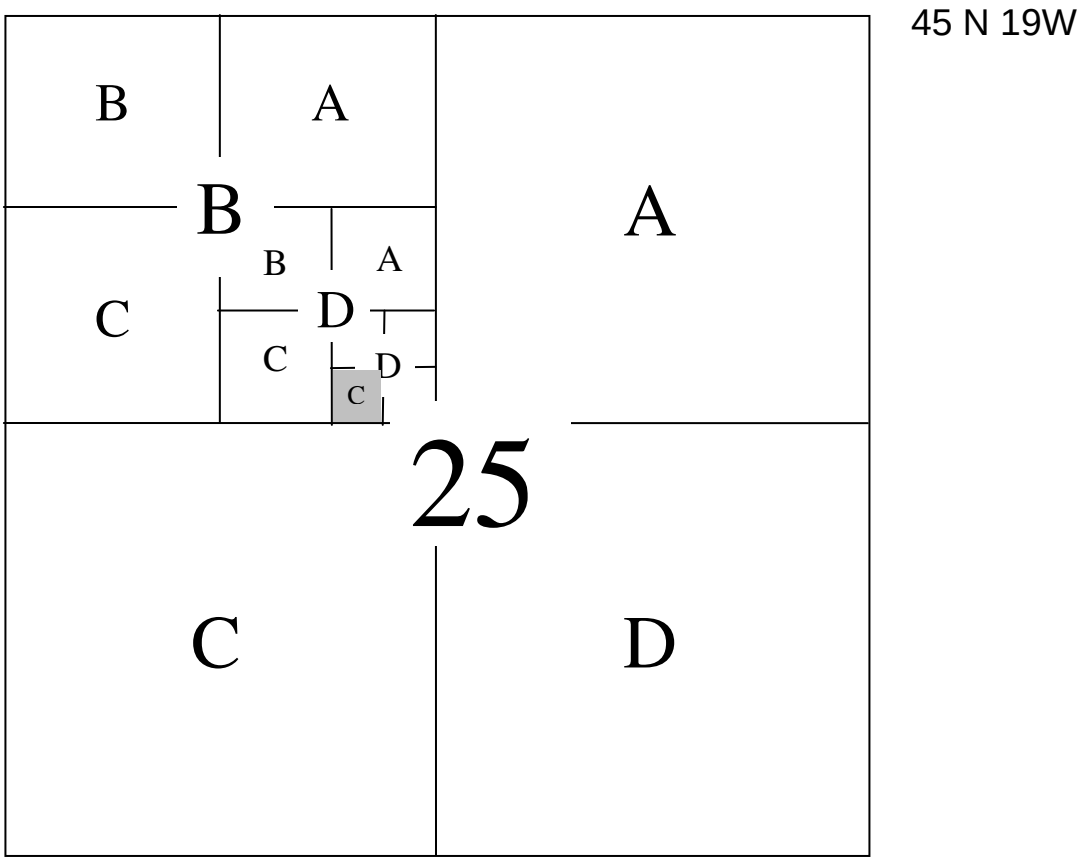


Figure 1. Well-naming system used in Michigan showing nearest 2.5-acre subsection to well designated 45N 19W 25BDDC 01 Alger (Kentucky CCC).

Data Presentation

In all, 295 water-level plots were generated in this effort. The plots follow as Appendix 2. The wells are grouped by county, and a locator map is provided for each county to show the location of each well. These plots also are available through an interactive site hosted by Michigan State University for the Michigan Department of Environmental Quality. The URL for the site is http://gwmap.rsgis.msu.edu/

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Glazebrook, Karl, 2000, PGPLOT-2.18:Computer software (PERL module), accessed December 5, 2005, at http://search.cpan.org/~kgb/PGPLOT-2.18/PGPLOT.pm

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Appendix 1. Well Name and Location for Wells with Recovered Hydrographs

USGS STATION No.	USGS STATION NAME	LATITUDE DECIMAL DEGREES (NAD88)	LONGITUDE DECIMAL DEGREES (NAD88)
461605086374101	45N 19W 25BDDC 01 ALGER CO (KENTUCKY CCC)	46.26800928	-86.62820988
450850083393401	32N 06E 23DDDA01 ALPENA CO (ALPENA STATE FOREST)	45.14723433	-83.65943035
440342083542801	19N 05E 07DABA01 ARENAC CO (OMER DEEP)	44.06168659	-83.90776826
440342083542802	19N 05E 07DABA02 ARENAC CO (OMER SHALLOW)	44.06168659	-83.90776826
463353088144301	48N 32W 12DDCC BARAGA CO (NESTORIA)	46.56410242	-88.24513451
463825088285401	49N 33W 18BAD 01 BARAGA CO (ALBERTA)	46.64021445	-88.48180083
424540085232001	04N 09W 05DAAA 01 BARRY CO (SOLOMON ROAD)	42.76114438	-85.38890249
435128083582401	17N 04E 22DCAA01 BAY CO (PINCONNING TWP)	43.85779920	-83.97332076
415602084593701	06S 06W 22CABA 01 BRANCH CO (COLDWATER TEST 4)	41.93393737	-84.99357682
415630085032501	06S 06W 18CCCD01 BRANCH CO (COLDWATER TWP)	41.94171523	-85.05691313
421623084564901	02S 06W 25AACA 01 CALHOUN CO (MARSHALL)	42.27309739	-84.94692551
422021085081101	01S 07W 32DABD 01 CALHOUN CO (BATTLE CREEK)	42.33920728	-85.13637993
422032085091801	01S 07W 32BDCC 01 CALHOUN CO (PENNFIELD TOWNSHIP)	42.34198499	-85.15526972
422033085082601	01S 07W 33BCBC01 CALHOUN CO (VERONA GM4)	42.34254053	-85.14054692
422033085082602	01S 07W 33 BCBC02 CALHOUN CO (VERONA GM4-I)	42.34254053	-85.14054692
422422085071501	01S 07W 10BBAB 01 CALHOUN CO (SABIN)	42.40615010	-85.12082668
414650085575501	08S 14W 17BAAA 01 CASS CO (LITTLE)	41.78060442	-85.96527934
451049084463301	32N 04W 10DAAA 01 CHARLEVOIX CO (THUMB LAKE WELL)	45.18028928	-84.77587069
451700084454801	33N 04W 02ACCB 01 CHARLEVOIX CO (WOLVERINE CCC)	45.28334453	-84.76337173
451304084232901	33N 01W 26DABB01 CHEBOYGAN CO (PIGEON CCC)	45.22056884	-84.39140857
452143084231001	34N 01W 01CBAA 01 CHEBOYGAN CO (M68)	45.36195692	-84.38613465
454427084424001	39N 03W 29CBCB01 CHEBOYGAN COUNTY (STIMPSON RD D)	45.74084522	-84.71115951
454427084424002	39N 03W 29CBCB02 CHEBOYGAN CO (STIMPSON ROAD S)	45.74084522	-84.71115951
462159084442201	46N 04W 24DAAD01 CHIPPEWA CO (RACO)	46.36640781	-84.73950253
434900084462501	17N 04W 34DCAD 01 CLARE COUNTY (CLARE)	43.81669259	-84.77362831
424618084340401	05N 02W 32DCDA 01 CLINTON CO (QUARANTINE FARM)	42.77170128	-84.56775807
424637084360601	05N 02W 31CBBA01 CLINTON CO (CAPITAL CITY AIRPORT)	42.77697908	-84.60164842
425408084323601	06N 02W 16DDAD 01 CLINTON CO (US 27)	42.90225517	-84.54331570
430047084333801	07N 02W 09BBCD 01 CLINTON CO (ST. JOHNS)	43.01308735	-84.56054159
430454084230901	08N 01W 13BC01 CLINTON CO (VILLAGE OF ELSIE)	43.08169488	-84.38581467
443308084245001	25N 01W 15DDCD01 CRAWFORD CO (ELDORADO)	44.55223911	-84.41390612
443925084445301	26N 04W 11CBBC 01 CRAWFORD CO (MDC GAME REFUGE)	44.65695939	-84.74808570
443926084495201	27N 04W 23AAAA 01 CRAWFORD CO (US 27)	44.72779223	-84.74780828
454446087090401	39N 23W 28ACCC01 DELTA CO (SCHEMMEL WELL)	45.74607922	-87.15124615
455352086362001	41N 18W 31CDDD 01 DELTA CO (ISABELLA)	45.89774956	-86.60569957
460134086420201	42N 19W 20AAAC 01 DELTA CO (POLACK LAKE CCC)	46.02607533	-86.70070246
460653086380701	43N 19W 24BB 01 DELTA CO (CLARAGE)	46.11468327	-86.63542810
460458087493901	48N 28W 32ADAB01 DICKINSON CO (FELCH)	46.08272758	-87.82763326
423244084500501	02N 04W 19CBBC 01 EATON CO (CHARLOTTE,45-BENTON-1)	42.54559247	-84.83470977

Appendix 1. Well name and location for wells with recovered hydrographs—Continued

USGS STATION No.	USGS STATION NAME	LATITUDE DECIMAL DEGREES (NAD88)	LONGITUDE DECIMAL DEGREES (NAD88)
424058084380301	03N 03W 02BAAB 01 EATON CO (STIEFEL)	42.68281336	-84.63414832
424108084363201	04N 03W 36DCAD 01 EATON CO. (ROSCOMMON ST)	42.68559106	-84.60886960
424435084365001	04N 03W 12CD 01 EATON CO (ROBINS RD)	42.74309056	-84.61387038
424524084452501	04N 04W 02 CCDC01 EATON CO (GRAND LEDGE)	42.75670179	-84.75693171
425552083381801	06N 07E 09DCDD01 GENESEE CO (FISHER BODY #1 WELL)	42.93113881	-83.63828549
425552083382801	06N 07E 09DCCC01 GENESEE CO (FISHER BODY #2 WELL)	42.93113882	-83.64106335
463026090133301	48N 47W 31DCDC 01 GOGEBIC CO (BIG SPRINGS WELL)	46.50716955	-90.22600993
463046090092401	48N 47W 34DAAA01 GOGEBIC CO (SPRING CREEK WELL)	46.51272501	-90.15684184
443921085213501	26N 09W 14ABAA01 GRAND TRAVERSE CO (FIFE LAKE)	44.65583768	-85.35978301
432228084401901	11N 03W 04AC 01 GRATIOT CO (PINE RIVER)	43.37447557	-84.67195001
432452084364401	12N 03W 24DABB01 GRATIOT CO (ST. LOUIS)	43.41475266	-84.61167080
415154084315401	07S 02W 15BCBA01 HILLSDALE CO (OSSEO)	41.86504807	-84.53161633
415236084313701	07S 02W 10BDDD01 HILLSDALE CO (PITTSFORD)	41.87671454	-84.52689395
423048083274001	15N 09E 30ABAD03 HURON CO (SEBEWAING TWP, H-1C)	43.69529563	-83.46246079
434103083130301	15N 11E 32BBCB 01 HURON CO (GRANT TWP, H2R WELL)	43.68307240	-83.21772777
434219083104201	15N 11E 22CCBB HURON CO (GRANT TWP, H-3)	43.70557183	-83.17828243
434252082411301	15N 15E 34ABAB 01 HURON CO (SHERMAN TWP, H-7)	43.70251734	-82.68770822
434323082561901	15N 13E 22BBBC 01 HURON CO (BINGHAM TWP, H-5R)	43.72307107	-82.93855200
434402083055901	15N 12E 18AAAA01 HURON CO (SHERIDAN TWP, H-4)	43.73390439	-83.09939124
434526082502601	15N 14E 05DDDA 01 HURON CO (PARIS TWP, H-6)	43.75723742	-82.84049307
434811083021601	16N 12E 23BCDB01 HURON CO (COLFAX TWP, H-15B)	43.80334819	-83.03716778
434816083022101	16N 12E 23BCCA01 HURON CO (COLFAX TWP, H-15D)	43.80334819	-83.03716778
434839082492401	16N 14E 21AADC01 HURON CO (SIGEL TWP, H-17)	43.81084755	-82.82104863
434853082565201	16N 13E 16DBCA01 HURON CO (VERONA TWP, H-16)	43.81473679	-82.94410886
434900083071801	16N 11E 13AADD01 HURON CO (OLIVER TWP, H-14)	43.81668160	-83.12133791
434900083131601	16N 11E 18AAAA01 HURON CO (OLIVER TWP, H-13)	43.81668175	-83.22106400
434943083190801	16N 10E 09BBBB01 HURON CO (WINSOR TWP, H-10)	43.82862650	-83.31856875
434947083233301	16N 09E 02CDCA01 HURON CO (FAIRHAVEN TWP,H9R WELL)	43.82834912	-83.39190566
435213082574701	17N 13E 28CBCC01 HURON CO (LINCOLN TWP, H-22)	43.87001430	-82.96299920
435242083153901	17N 10E 24CCBB01 HURON CO (McKINLEY TWP, H-19)	43.87779247	-83.26106707
435326083105701	17N 11E 16DDDD HURON CO (CHANDLER TWP, H-20)	43.89057010	-83.18245288
435411082444201	17N 15E 18DDDD01 HURON CO (RUBICON TWP, H-24)	43.90306728	-82.74493586
435445082484201	17N 14E 15BAAA 01 HURON CO (BLOOMFIELD TWP, H-23)	43.91501215	-82.81410537
435448083012701	17N 12E 11DADD01 HURON CO (MEADE TWP, H-21)	43.91223672	-83.02383550
435642083025501	18N 12E 34ACDC01 HURON CO (HUME TWP, H-26)	43.94501436	-83.04717032
435733082512201	18N 14E 29DCCC01 HURON CO (HURON TWP, H-28)	43.95862310	-82.85605198
435733082545801	18N 13E 26CAAD01 HURON CO (DWIGHT TWP, H-27)	43.95917964	-82.91577643
435736083094801	18N 11E 27AADD 01 HURON CO (LAKE TWP, H-25AR)	43.96001412	-83.16523130
435736083094802	18N 11E 27AADD02 HURON CO (LAKE TWP, H-25B)	43.96001412	-83.16523130

Appendix 1. Well name and location for wells with recovered hydrographs—Continued

USGS STATION No.	USGS STATION NAME	LATITUDE DECIMAL DEGREES (NAD88)	LONGITUDE DECIMAL DEGREES (NAD88)
435736083094803	18N 11E 27AADD03 HURON CO (LAKE TWP, H-25C)	43.96001412	-83.16523130
423058084181801	02N 01E 34DB01 INGHAM CO (DANSVILLE GAME AREA)	42.51614710	-84.30496754
423127084321901	04N 02W 16DAAA 01 INGHAM CO (CEDAR)	42.73253498	-84.54747882
423503084263701	02N 01W 05DDAD 01 INGHAM CO (MASON OLD #2)	42.58420263	-84.44358460
423532084274001	02N 01W 05 BCAB01 INGHAM CO (KERNS ROAD)	42.59225818	-84.45997417
423805084311801	03N 02W 23BCBD 01 INGHAM CO (HOLT)	42.63475800	-84.52164354
423812084302801	03N 02W 23ADBB 01 INGHAM CO (DELHI TWP)	42.63670240	-84.50775414
423933084213801	03N 01E 07DDCA 01 INGHAM CO (LOTTE)	42.65920174	-84.36052687
424040084351401	03N 02W 06ACAD 01 INGHAM CO. (DAVIS PARK)	42.67781331	-84.58720203
424111084360701	04N 02W 31CCBC 01 INGHAM CO (MAYBEL STREET)	42.68642438	-84.60192490
424225084261401	04N 01W 28BCAD 01 INGHAM CO (OKEMOS SCIENCE PKWY)	42.70697937	-84.43719678
424235084311201	04N 02W 26BBDB 01 INGHAM CO (FENNER ARBORETUM)	42.70975735	-84.51997754
424300084201001	04N 01E 21CDDA01 INGHAM CO (SHERWOOD RD WELL)	42.71670120	-84.33608226
424303084295001	04N 02W 24CABD 01 INGHAM CO (SPARTAN VILLAGE)	42.71753502	-84.49719897
424312084321801	04N 02W 22BC 01 INGHAM CO. (P-5)	42.72003508	-84.53831168
424324084331801	04N 02W 21BADB 01 INGHAM CO. (SCOTT PARK)	42.72336841	-84.55497902
424324084331802	04N 02W 21BA 01 INGHAM CO (TOWNSEND)	42.72336841	-84.55497902
424349084252501	04N 01W 16DAD 01 INGHAM CO (MERIDIAN TWP)	42.73031247	-84.42358544
424424084340301	04N 02W 17ABAA 01 INGHAM CO (LOGAN)	42.74003495	-84.56747967
424455084274601	04N 01W 18AD 01 INGHAM CO (MARBLE SCHOOL)	42.74864576	-84.46275365
424502084331301	04N 02W 09BDAD 01 INGHAM CO (SEYMOUR)	42.75059039	-84.55359035
424521084342101	04N 02W 05CDDD 01 INGHAM CO. (MUSKEGON ST)	42.75586814	-84.57248010
442839083312301	24N 07E 13ADAD01 IOSCO CO (COON ROAD)	44.47751551	-83.52303118
425924088111801	42N 31W 33DB 01 IRON CO (WMP 7)	45.98995242	-88.18846719
460455088412901	43N 35W 33BD 01 IRON CO (WMP 34)	46.08189944	-88.69152001
460617088423301	43N 35W 20DC 01 IRON CO (HENRIKSEN)	46.10467663	-88.70929796
460829088382301	43N 35W 11AD 01 IRON CO (JAVOROSKI)	46.14134181	-88.63985532
461257088542001	44N 37W 14BB 01 IRON CO (JAMES LAKE CCC)	46.21578451	-88.90569053
433554084415401	14N 03W 17 CD03 ISABELLA CO (SC 7)	43.59836293	-84.69834461
433554084415601	14N 03W 17 CD02 ISABELLA CO (SC 8)	43.59836293	-84.69890019
433555084412101	14N 03W 17 DD01 ISABELLA CO (SC 10)	43.59864068	-84.68917761
433604084412501	14N 03W 17 DA01 ISABELLA CO (SC 9)	43.60114066	-84.69028879
421308084242401	03S 01W 10DCDA 01 JACKSON CO (SUMMIT TWP)	42.21892561	-84.40662291
421346084230801	03S 01W 11AADD 01 JACKSON CO (4-A WELL)	42.22948075	-84.38551177
421347084230801	03S 01W 11AADD02 JACKSON CO (BELDEN ROAD)	42.22975852	-84.38551178
421435084234801	03S 01W 02BDBA01 JACKSON CO (HAMBURG STREET)	42.24309134	-84.39662370
420533085381501	04S 11W 30BDDD01 KALAMAZOO COUNTY (K-18)	42.09254459	-85.63749884
420547085342301	04S 11W 27 AAA01 KALAMAZOO COUNTY (K-23)	42.09754556	-85.57110830
420653085190701	04S 09W 23AABB01 KALAMAZOO COUNTY (K-20)	42.11476830	-85.31859916

Appendix 1. Well name and location for wells with recovered hydrographs—Continued

USGS STATION No.	USGS STATION NAME	LATITUDE DECIMAL DEGREES (NAD88)	LONGITUDE DECIMAL DEGREES (NAD88)
420653085395401	04S 12W 13CCCC01 KALAMAZOO COUNTY (K-17)	42.11421021	-85.66583394
420657085245501	04S 10W 13 DDD01 KALAMAZOO COUNTY (K-19)	42.11504619	-85.41388112
420657085320301	04S 11W 24 AAB01 KALAMAZOO COUNTY (K-24)	42.11337912	-85.53277462
420658085210401	04S 09W 15 CCC01 KALAMAZOO COUNTY (K-21)	42.11587942	-85.35082285
420838085344501	04S 11W 03CDDA01 KALAMAZOO CO (PRAIRIE VIEW PARK)	42.14393311	-85.57916621
420858085432401	04S 12W 04BCCB01 KALAMAZOO CO (K-16)	42.15143044	-85.72472613
420945085323301	03S 11W 36CAA 01 KALAMAZOO CO (K-25)	42.16337768	-85.54194386
421016085240601	03S 09W 31ABBB01 KALAMAZOO CO (K-15)	42.17198924	-85.40277227
421107085185301	03S 09W 26 AAA01 KALAMAZOO COUNTY (K-22)	42.18615553	-85.31526921
421127085321701	03S 11W 24DBCA01 KALAMAZOO CO (RAMONA PARK)	42.19087704	-85.53805614
421147085350203	03S 11W 22 BDB01 KALAMAZOO CO (PORTAGE LARKSPUR C)	42.19643166	-85.58389097
421148085252101	03S 10W 24ABCC01 KALAMAZOO CO (K-13)	42.19809972	-85.42249659
421150085383901	03S 11W 19BBDD01 KALAMAZOO CO (GOURDNECK SHALLOW)	42.19726392	-85.64417042
421150085383902	03S 11W 19BBDD02 KALAMAZOO CO (GOURDNECK-DEEP)	42.19722222	-85.64416667
421151085351601	03S 11W 22BBCD 01 KALAMAZOO CO (PORTAGE SCHOOL 4)	42.19754267	-85.58778002
421203085370401	03S 11W 20ABBA01 KALAMAZOO CO (K-11)	42.20087541	-85.61694762
421208085283301	03S 10W 16DCCC01 KALAMAZOO CO (K-12)	42.20143299	-85.47972140
421249085330901	03S 11W 14AADB01 KALAMAZOO CO (UPJOHN 28)	42.21365398	-85.55250203
421312085432301	03S 12W 09ABCC01 KALAMAZOO CO (K-10)	42.22059521	-85.72500697
421325085404801	03S 12W 11BDAD01 KALAMAZOO CO (ATWATER)	42.22365148	-85.68000590
421332085401901	03S 12W 11AD 01 KALAMAZOO CO (SABO-D)	42.22559601	-85.67195022
421332085401902	03S 12W 11AD 02 KALAMAZOO CO (SABO-S)	42.22559601	-85.67195022
421358085195101	03S 09W 02DCD01 KALAMAZOO COUNTY (K-14)	42.23087672	-85.33249437
421358085322401	03S 11W 01DCBB01 KALAMAZOO CO (LEXINGTON GREEN)	42.23282038	-85.54000258
421428085354301	03S 11W 04AD01 KALAMAZOO CO (A-DEEP)	42.24115251	-85.59528221
421428085354302	03S 11W 04AD02 KALAMAZOO CO (A-SHALLOW)	42.24115251	-85.59528221
421435085353701	03S 11W 04ABAD 01 KALAMAZOO CO (K-32-S)	42.24309694	-85.59361559
421435085353702	03S 11W 04ABAD 02 KALAMAZOO CO (K-32-D)	42.24309694	-85.59361559
421445085335201	02S 11W 35CDCC01 KALAMAZOO CO (K-26)	42.24587516	-85.56444828
421448085383601	02S 11W 31CDCB 01 KALAMAZOO CO (COLONY)	42.24670707	-85.64333929
421457085325801	02S 11W 36CBCD 01 KALAMAZOO CO (EMERALD)	42.24920868	-85.54944803
421552085384001	02S 11W 30CBDC01 KALAMAZOO CO (AL 3)	42.26444444	-85.64444444
421552085384002	02S 11W 30CBDC 02 KALAMAZOO CO (AL 4)	42.26444444	-85.64444444
421614085270801	02S 10W 26BBCC 01 KALAMAZOO CO (MORROW)	42.27059785	-85.45222335
421614085354001	02S 11W 28AACC 01 KALAMAZOO CO (MAPLE)	42.27059621	-85.59445012
421616085262801	02S 10W 26ABD01 KALAMAZOO CO (K-31)	42.27115340	-85.44111180
421630085322601	02S 11W 24DCCC01 KALAMAZOO CO (K-8)	42.27476367	-85.54139328
421641085350601	02S 11W 22CDBB 01 KALAMAZOO CO (STOCKBRIDGE)	42.27809618	-85.58500573
421713085264601	02S 10W 23BAAB01 KALAMAZOO CO (K-7)	42.28781959	-85.44527929

Appendix 1. Well name and location for wells with recovered hydrographs—Continued

USGS STATION No.	USGS STATION NAME	LATITUDE DECIMAL DEGREES (NAD88)	LONGITUDE DECIMAL DEGREES (NAD88)
421716085373702	02S 11W 20BBBD 02 KALAMAZOO CO (KENDALL)	42.28781746	-85.62695175
421742085452501	02S 12W 18CAAA01 KALAMAZOO CO (K-9)	42.29448197	-85.75556684
421858085291701	02S 10W 09B 01 KALAMAZOO CO (SCHOONOVER)	42.31615206	-85.48805992
421908085240501	02S 09W 06DBDA01 KALAMAZOO CO (K-30)	42.31837432	-85.40138984
421918085283801	02S 10W 04DACC 01 KALAMAZOO CO (CAMPBELL)	42.32170747	-85.47722636
421942085190301	02S 09W 02ADAA01 KALAMAZOO CO (K-6)	42.32837414	-85.31749798
422004085301801	01S 10W 32CDDC01 KALAMAZOO CO (K-29)	42.33309594	-85.50417228
422006085353901	01S 11W 33DDCC01 KALAMAZOO CO (K-28)	42.33392793	-85.59417498
422056085211701	01S 09W 27CCC 01 KALAMAZOO CO (K-5)	42.34892908	-85.35472255
422117085393001	01S 12W 25ABCC01 KALAMAZOO CO (K-1)	42.35809309	-85.65834462
422153085314701	01S 10W 19CBDC01 KALAMAZOO CO. (K-3)	42.36559465	-85.52945209
422207085175501	01S 09W 24DAD 01 KALAMAZOO CO (K-34)	42.36753978	-85.29861000
422227085213001	01S 09W 21AAD01 KALAMAZOO CO (K-33)	42.37420616	-85.35833484
422232085344701	01S 11W 22ABBB01 KALAMAZOO CO (K-2)	42.37559371	-85.57973183
422328085285701	01S 10W 09DCD 01 KALAMAZOO CO (K-4)	42.39114990	-85.48056251
422418085440201	01S 12W 05DDC 01 KALAMAZOO CO (K-27)	42.40559110	-85.73223800
425030085434901	05N 12W 04DCCD01 KENT CO (WOBMA)	42.84169463	-85.73030738
425300085315501	06N 10W 30AA 01 KENT CO (AIRPORT)	42.88336342	-85.53196736
425305085432001	06N 12W 27BBBA01 KENT CO (44TH STREET)	42.88474947	-85.72225278
431500085402201	10N 12W 13DDDA 01 KENT CO (ROGUE RIVER GAME AREA)	43.25002476	-85.67281868
435348085514401	17N 13W 04ADAA01 LAKE CO (BALDWIN)	43.89667844	-85.86228453
440737085483701	20N 13W 13ACAC01 LAKE CO (IRONS)	44.12695235	-85.81034268
445011086031401	28N 14W 18BABB01 LEELANAU CO (EMPIRE SHALLOW,#5)	44.83638535	-86.05398228
445020086012201	28N 14W 08DDCA01 LEELANAU CO (EMPIRE DEEP,#6)	44.83888547	-86.02287029
415759083580901	06S 04E 08DDBA01 LENAWEE CO (FISHER BODY)	41.96643413	-83.96910895
420246084150601	05S 01E 12DDBD01 LENAWEE CO (ONSTED)	42.04615398	-84.25161307
422853083402801	01N 06E 13DBAB 01 LIVINGSTON CO (AMR AGG)	42.48142277	-83.67438453
423137083465702	02N 06E 31BADB 02 LIVINGSTON CO (BRIGHTON)	42.52697738	-83.78244355
455603084535501	41N 05W 23BC 01 MACKINAC CO (ROUND LAKE CCC)	45.93417820	-84.89866966
460321084354801	42N 02W 07AABB01 MACKINAC CO (PONTCHARTRAIN WELL)	46.05584817	-84.59671274
462537087274201	47N 25W 32CABB 01 MARQUETTE CO (GENTIAN)	46.42688261	-87.46180469
462556087303701	47N 26W 36BBDB01 MARQUETTE CO (GOOSE LAKE TW)	46.43216016	-87.51041488
462631087330301	47N 26W 27BCCC 01 MARQUETTE CO (LAITALA)	46.44188201	-87.55097009
462702087291501	47N 25W 19CC 01 MARQUETTE CO (CASCADE JUNCTION)	46.45049273	-87.48763745
462938087475901	47N 28W 03CCDC01 MARQUETTE CO (ELY TWP WELL)	46.49382488	-87.79985728
463749088022001	49N 30W 22AC 01 MARQUETTE CO (WMP13)	46.63021007	-88.03902125
453504087331301	37N 26W 19DADA01 MENOMINEE CO (CARNEY)	45.58441289	-87.55373373
414452083385201	08S 07E 31BBB MONROE CO. (WELL G-29)	41.74699361	-83.64660347
414509083291001	08S 08E 28CCAD01 MONROE CO (WELL G-33)	41.75282483	-83.48632275

Appendix 1. Well name and location for wells with recovered hydrographs—Continued

USGS STATION No.	USGS STATION NAME	LATITUDE DECIMAL DEGREES (NAD88)	LONGITUDE DECIMAL DEGREES (NAD88)
414601083375801	08S 07E 19 DCA01 MONROE CO (WELL G-30)	41.76699309	-83.63271438
414731083450101	08S 06E 07 DDB01 MONROE CO (WELL G-28)	41.79199390	-83.75021655
414748083305501	08S 08E 08CCAD01 MONROE CO (WELL G-32)	41.79699128	-83.50660104
414829083345601	08S 07E 03 CDC01 MONROE CO (WELL G-31)	41.80810301	-83.58215798
415115083400201	07S 06E 24 CCA01 MONROE CO (WELL G-27)	41.85421405	-83.66715958
415133083274801	07S 08E 22DBCB01 MONROE CO (WELL G-18)	41.85921268	-83.46326688
415156083441501	07S 06E 17 DCC01 MONROE CO (WELL G-26)	41.86588093	-83.73771643
415206083414401	07S 06E 15ACAA01 MONROE CO (PETERSBURG D)	41.86838062	-83.69549345
415234083413801	07S 06E 15 ADB01 MONROE CO (WELL G-23)	41.87615823	-83.69410455
415235083414001	07S 06E 15ADBB01 MONROE CO (PETERSBURG S)	41.87643600	-83.69438233
415236083413501	07S 06E 15 AAC01 MONROE CO (WELL G-24)	41.87643599	-83.69299342
415236083365401	07S 07E 17AACC01 MONROE CO (WELL G-20)	41.87671334	-83.61493645
415239083412901	07S 06E 15 AAD01 MONROE CO (WELL G-25)	41.87754707	-83.69104894
415244083415201	07S 06E 15 ABB01 MONROE CO (WELL G-22)	41.87893596	-83.69771573
415437083413001	06S 06E 34 DDD01 MONROE CO (WELL G-21)	41.91032417	-83.69160455
415400083262801	07S 08E 02DCDA01 MONROE CO (WELL G-17)	41.90004562	-83.44104428
415431083343201	07S 07E 03 AAD01 MONROE CO (WELL G-19)	41.90865713	-83.57549135
415527083402001	06S 06E 35AAAA01 MONROE CO (WELL G-12)	41.92449049	-83.67188200
415648083405601	06S 06E 23BDDD01 MONROE CO (WELL G-11)	41.94671229	-83.68215999
415710083192501	06S 09E 23DDBB01 MONROE CO (WELL G-16)	41.95282288	-83.32354199
415721083331601	06S 07E 13 CCC01 MONROE CO (WELL G-13)	41.95560091	-83.55437993
415839083221501	06S 09E 16BAAB01 MONROE CO (WELL G-15)	41.97810063	-83.37159861
415923083272101	06S 08E 02 CBD01 MONROE CO (WELL G-14)	41.99004501	-83.45604479
420055083175601	05S 10E 31BCDC01 MONROE CO (WELL G-2)	42.01532240	-83.29881940
420107083403201	05S 06E 26 DAA01 MONROE CO (WELL G-9)	42.01865524	-83.67549342
420123083300001	05S 08E 29 ADA01 MONROE CO (WELL G-6)	42.02309987	-83.49993473
420218083130401	05S 10E 26BAB01 MONROE CO (WELL G-1)	42.03837735	-83.21770557
420248083372601	05S 07E 20 ACC01 MONROE CO (WELL G-8)	42.03532159	-83.62410372
420314083225501	05S 09E 17AADB01 MONROE CO (WELL G-4)	42.06254335	-83.38187671
420325083440901	05S 06E 08 DDA01 MONROE CO (WELL G-10)	42.05698759	-83.73577255
420414083351501	05S 07E 10 ABB01 MONROE CO (WELL G-7)	42.07087633	-83.58799220
420425083270001	05S 08E 02 DCC01 MONROE CO (WELL G-5)	42.07365416	-83.45048945
420503083192101	05S 09E 01CBCC01 MONROE CO (WELL G-3)	42.08420948	-83.32243083
431806086044401	11N 15W 34ADDD01 MUSKEGON CO (STATE GAME AREA)	43.30168339	-86.07894521
423423083324001	02N 08E 18DBAD01 OAKLAND CO (PROUD LAKE WELL)	42.57308784	-83.54438388
423622083390701	02N 07E 05BA 01 OAKLAND CO (HONEYWELL LK RD)	42.60614251	-83.65188722
424015083130601	03N 10E 13AC 01 OAKLAND CO (OAKLAND UNIVERSITY)	42.67086587	-83.21826827
424109083384301	03N 07E 05DADA 01 OAKLAND CO (FISH LAKE RD)	42.68586312	-83.64550054
424133083293101	03N 08E 10ABDB01 OAKLAND CO (TEGGERDINE ROAD)	42.68336339	-83.49105251

Appendix 1. Well name and location for wells with recovered hydrographs—Continued

USGS STATION No.	USGS STATION NAME	LATITUDE DECIMAL DEGREES (NAD88)	LONGITUDE DECIMAL DEGREES (NAD88)
424133083293201	03N 08E 03DBAB01 OAKLAND CO (WHITE LAKE ROAD)	42.69280762	-83.49244170
425116083321501	05N 08E 08ACAC OAKLAND CO (HOLLY STATE REC. AREA)	42.85252800	-83.53744696
433133086082601	13N 15W 18AAAA01 OCEANA CO (HESPERIA)	43.52584614	-86.14062094
442514084164701	23N 01E 02BAAA 01 OGEMAW CO (ROSE CITY-D)	44.42057356	-84.27973053
442514084164702	23N 01E 02BAAA01 OGEMAW CO (ROSE CITY-S)	44.42057356	-84.27973053
465002089321601	51N 41W 08BDBC01 ONTONAGON CO (SILVER CITY)	46.83383406	-89.53792780
445920084425801	30N 03W 19ABBB01 OTSEGO CO (OLD ALBA ROAD)	44.98890199	-84.71614292
451304084135101	33N 02E 30DACB01 PRESQUE ISLE CO (MDC 18)	45.21778985	-84.23084390
451634083441801	33N 06E 08BBBB01 PRESQUE ISLE CO (STYMA)	45.27612384	-83.73832472
442722084350701	24N 02W 20BABA 01 ROSCOMMON CO. (EXP. STA.)	44.45612860	-84.58530060
431457084194401	10N 01E 22DADA01 SAGINAW CO (MARION SPRINGS DEEP)	43.24919238	-84.32887563
432206084194801	11N 01E 11CBBB01 SAGINAW CO (LDS OW 1)	43.36836042	-84.32998880
432508082554501	12N 13E 33DDDD01 SANILAC CO (ELMER)	43.41891017	-82.92910485
433439082523601	13N 13E 12ADAA01 SANILAC CO (MINDEN)	43.57751801	-82.87660436
461720085565201	45N 13W 16CCCB01 SCHOOLCRAFT CO (SENEY NWR HQ)	46.28886796	-85.94791273
462044086073601	46N 15W 25CD01 SCHOOLCRAFT CO (DRIGGS RIVER GWW)	46.34552699	-86.12681545
462114085574401	46N 13W 29BD01 SCHOOLCRAFT CO (FOX RIVER GWW)	46.35386786	-85.96236354
462651086214601	47N 16W 30BBBB01 SCHOOLCRAFT CO (CUSINO CCC WELL)	46.44829223	-86.36210570
420440086014901	04S 15W 35BCCC01 VAN BUREN CO (VB-27)	42.07809863	-86.03056867
420459085552901	04S 14W 34ABBA01 VAN BUREN CO (VB-24)	42.08309856	-85.92473149
420519085465801	04S 13W 26DAAD01 VAN BUREN CO (VB-22)	42.08948727	-85.78278110
420532086090201	04S 16W 27DABB01 VAN BUREN CO (VB-29)	42.09254232	-86.15140552
420613086074501	04S 16W 23 DD01 VAN BUREN CO (KEELER LAKE)	42.10281983	-86.12918312
420648085493201	04S 13W 16DDCC01 VAN BUREN CO (PORTER TWP)	42.11337550	-85.82556178
420658086082501	04S 16W 14CDBD01 VAN BUREN CO (KEELER)	42.11615269	-86.14029497
420801086052301	04S 15W 07DADA01 VAN BUREN CO (VB-26)	42.13365233	-86.08973889
420815085545901	04S 14W 11BCBB01 VAN BUREN CO (VB-23)	42.13754150	-85.91640008
420853086100001	04S 16W 04DADD01 VAN BUREN CO (VB-28)	42.14809597	-86.16668555
420859086004101	04S 15W 01BCCC01 VAN BUREN CO (VB-25)	42.15031886	-86.01168225
421121086041601	03S 15W 20DDAA01 VAN BUREN CO (VB-19)	42.18920629	-86.07112947
421245086064001	03S 16W 13AACD01 VAN BUREN CO (VB-20)	42.21253863	-86.11113113
421247086104801	03S 16W 16BABC01 VAN BUREN CO (VB-21)	42.21309369	-86.18002135
421434085591001	03S 14W 06BAAD01 VAN BUREN CO (VB-16)	42.24281635	-85.98612967
421438086021001	02S 15W 34DDCC01 VAN BUREN CO (VB-18)	42.24392714	-86.03613094
421147085545501	03S 14W 23BCBA01 VAN BUREN CO (VB-17)	42.19642876	-85.91529140
421523085542501	02S 14W 35ABCC01 VAN BUREN CO (FISK LAKE ROAD)	42.25642712	-85.90696025
421551086200501	02S 17W 30CABB01 VAN BUREN CO (VB-14)	42.26420198	-86.33474772
421607085503701	02S 13W 28BCBB01 VAN BUREN CO (VB-9)	42.26864909	-85.84362482
421645086132701	02S 17W 24DAAA01 VAN BUREN CO (VB-13)	42.27947996	-86.22391330

Appendix 1. Well name and location for wells with recovered hydrographs—Continued

USGS STATION No.	USGS STATION NAME	LATITUDE DECIMAL DEGREES (NAD88)	LONGITUDE DECIMAL DEGREES (NAD88)
421804085583501	02S 14W 18AAAA01 VAN BUREN CO (VB-10)	42.30170372	-85.97613166
421809086174801	02S 17W 09CCDA01 VAN BUREN CO (VB-12)	42.30253421	-86.29669302
421825086070001	02S 16W 12DBBD01 VAN BUREN CO (VB-11)	42.30698013	-86.11669031
421945085481001	02S 13W 02BBCD01 VAN BUREN CO (26TH STREET)	42.32809231	-85.80279253
421945085481501	02S 13W 02BBCB01 VAN BUREN CO (8-D WELL)	42.32920339	-85.80418152
421945085481502	02S 13W 02BBCB02 VAN BUREN CO (8-S WELL)	42.32920339	-85.80418152
421955086040101	01S 15W 33CDCC01 VAN BUREN CO (VB-5)	42.33225772	-86.06585712
422000085505101	01S 13W 32DDCB01 VAN BUREN CO (VB-2)	42.33336988	-85.84751676
422211086160501	01S 17W 22ADBB01 VAN BUREN CO (M-140)	42.36975427	-86.26808391
422235086085401	01S 16W 14CCCB01 VAN BUREN CO (VB-6)	42.37753316	-86.14863792
422227086154201	01S 17W 23BBBA01 VAN BUREN CO (VB-7)	42.37447637	-86.26058397
422311085552401	01S 14W 15ACAA01 VAN BUREN CO (VB-3)	42.38642398	-85.92335533
422328085481501	01S 13W 10DDDA01 VAN BUREN CO (VB-1)	42.39114653	-85.80418437
422402085594001	01S 15W 12ADAA01 VAN BUREN CO (VB-4)	42.40059002	-85.99446970
421220083332501	03S 07E 24CDBC 01 WASHTENAW CO (YPSILANTI TWP 117)	42.20559524	-83.55688143
421228083331601	03S 07E 24CADB01 WASHTENAW CO (YPSILANTI TWP 104)	42.20781741	-83.55438140
421322083441301	03S 06E 16BCCD 01 WASHTENAW CO (AIRPORT)	42.22281713	-83.73688484
421329083440801	03S 06E 16 BC01 WASHTENAW CO (STEERE FARM)	42.22476153	-83.73549594
421427083362301	03S 07E 09ADBC 01 WASHTENW CO. (GILBERT)	42.24087218	-83.60632702
421532083382001	03S 07E 05BB 01 WASHTENAW CO (SUPERIOR)	42.25892736	-83.63882770
421850084043001	02S 03E 09DAAB02 WASHTENAW CO (WATERLOO)	42.31614723	-84.07772746
441503084242201	21N 09W 04ABBC01 WEXFORD CO (CADILLAC-LAKESIDE)	44.25084152	-85.40616209

Appendix 2. Recovered Hydrographs, by County

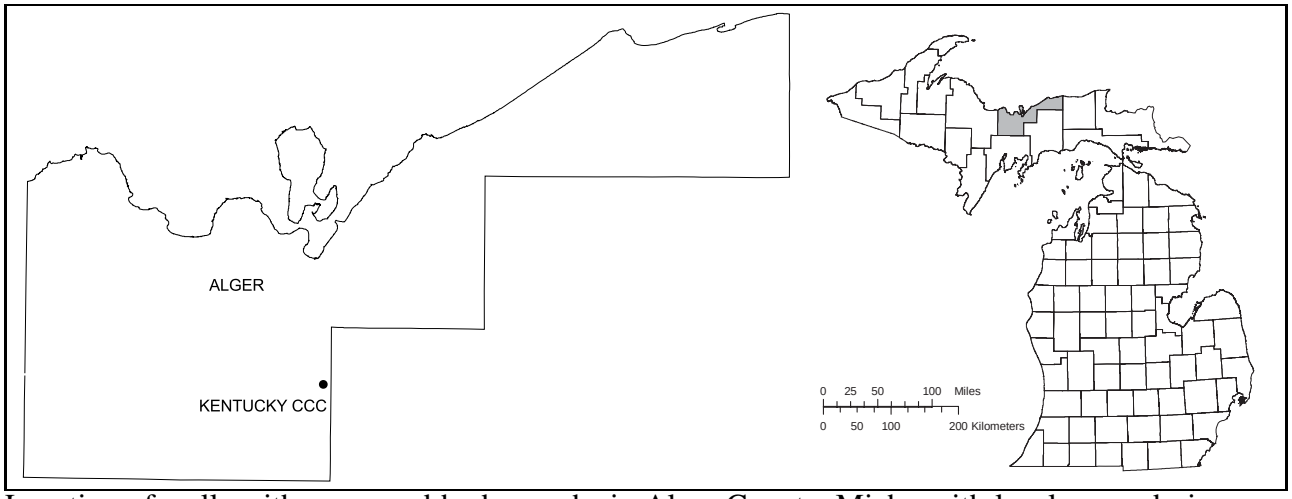


Figure 2-1. State of Michigan with counties identified. Hydrographs with recovered data are arranged by county in Appendix 2.

Terms and abbreviations used in the plots

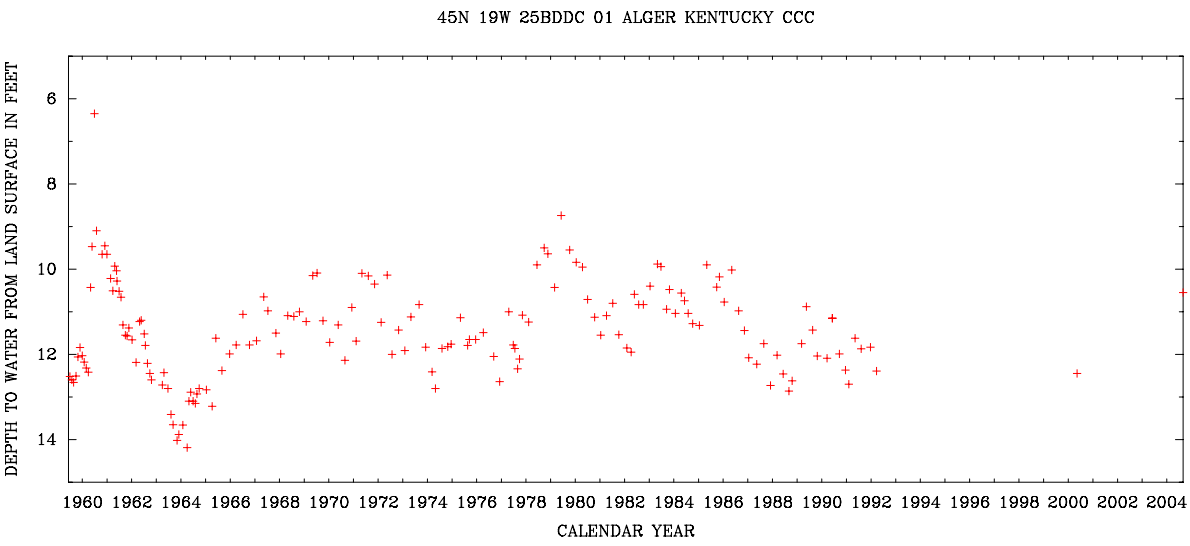
ADAPS	Automated DAta Processing System
GWSI	USGS Ground-Water Site Inventory database
Tape-down	Manually made water-level measurement

Alger County



Location of wells with recovered hydrographs in Alger County, Mich., with local name designation.

USGS STATION No.	USGS STATION NAME
461605086374101	45N 19W 25BDDC 01 ALGER (KENTUCKY CCC)



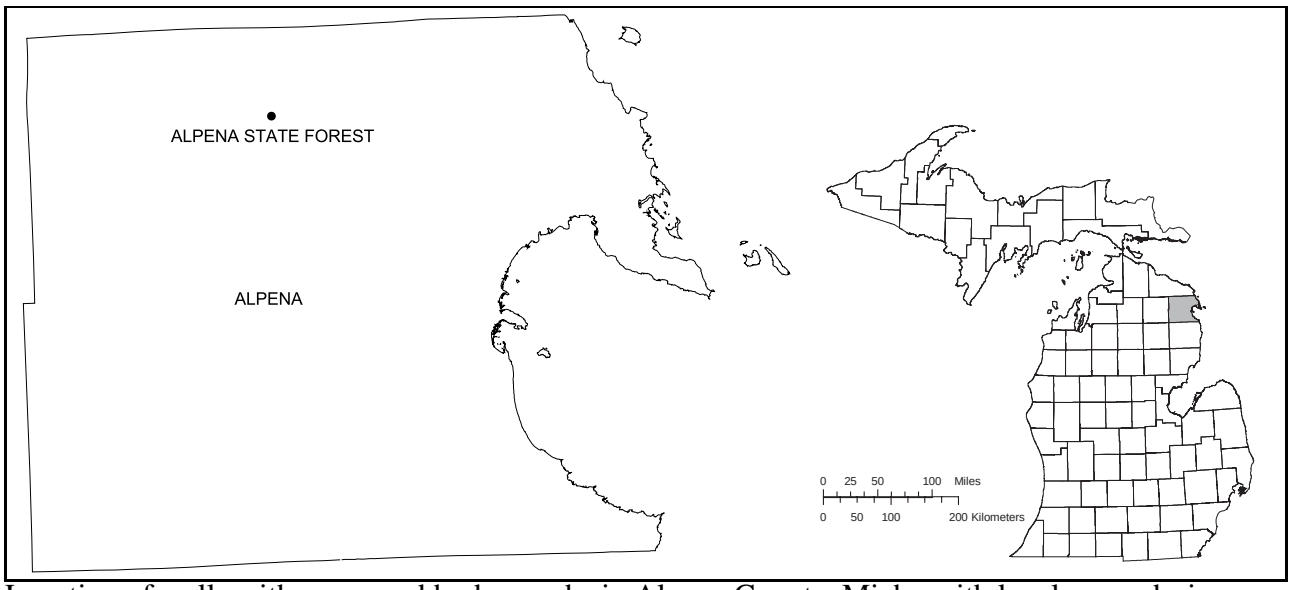
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 461605086374101
PERIOD OF RECORD, WATER YEARS 1959-2004, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 846 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 67.00 FT, PRIMARY AQUIFER DESIGNATION:GLACIAL DEPOSITS,UNDIFFERENTIATED
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

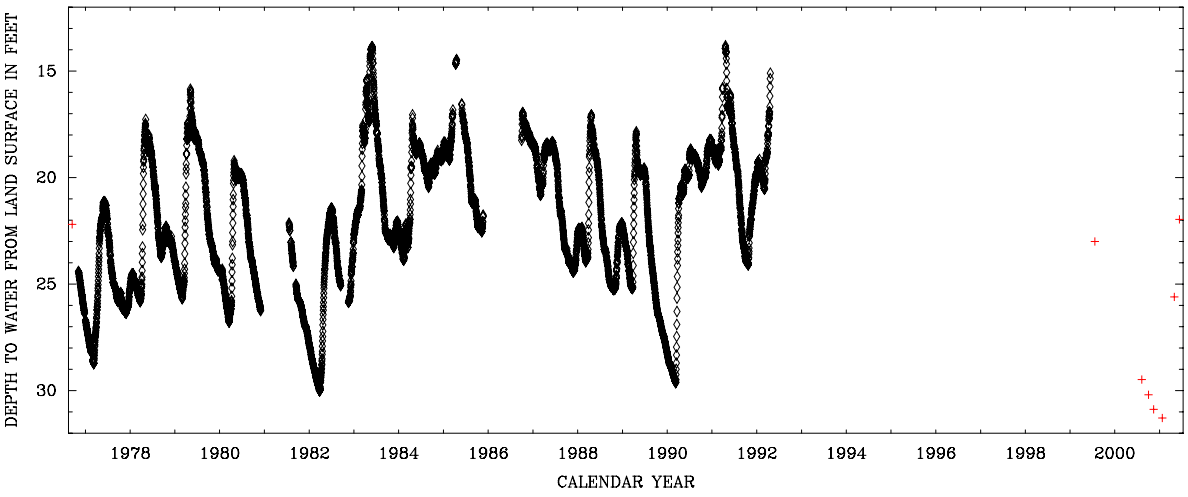
Alpena County

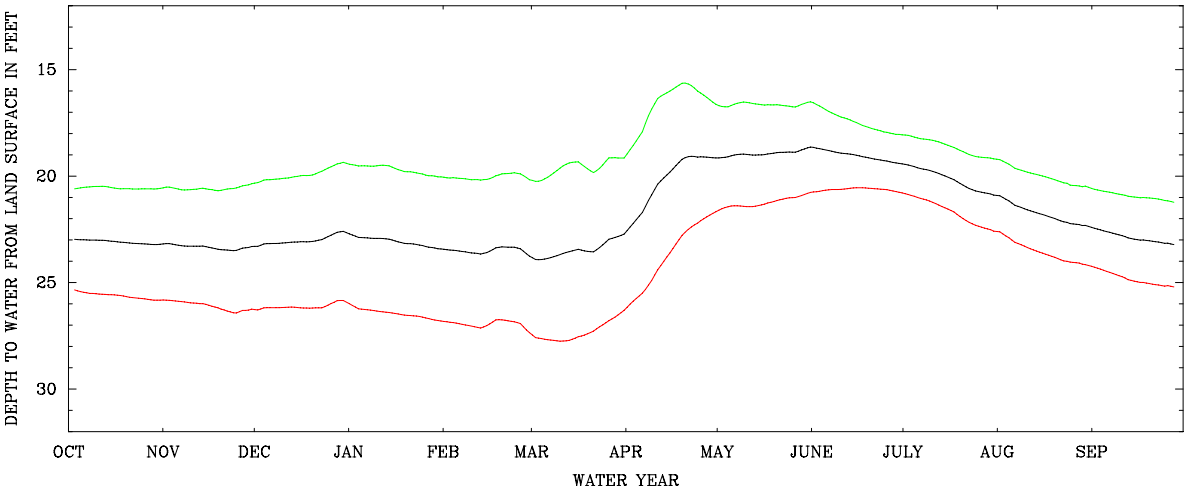


Location of wells with recovered hydrographs in Alpena County, Mich., with local name designation.

USGS STATION No.	USGS STATION NAME
450850083393401	32N 06E 23DDDA01 ALPENA CO (ALPENA STATE FOREST)

32N 06E 23DDDA01 ALPENA CO (ALPENA STATE FOREST)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS

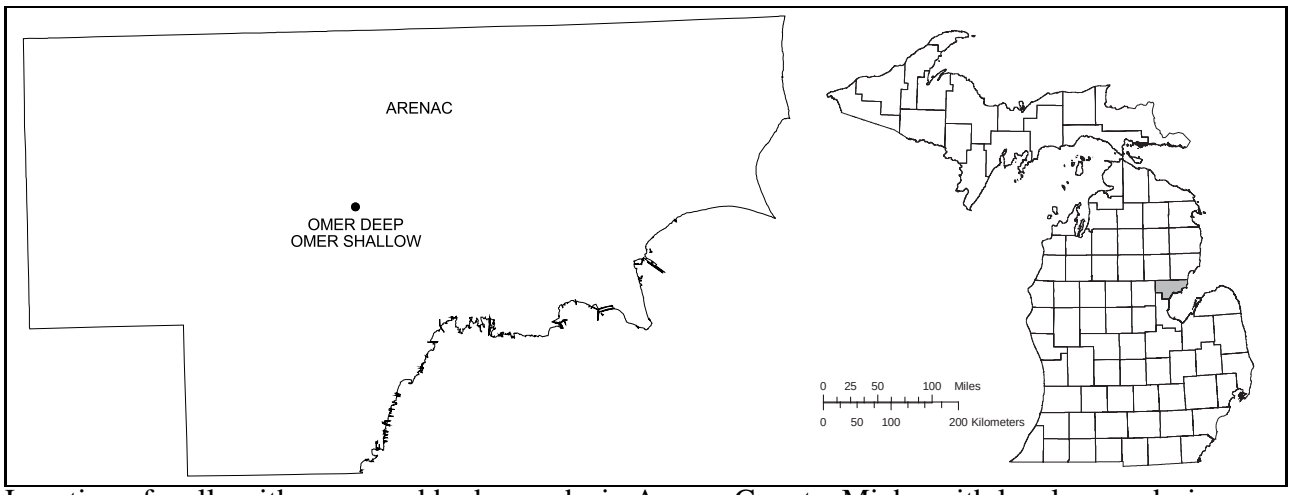
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

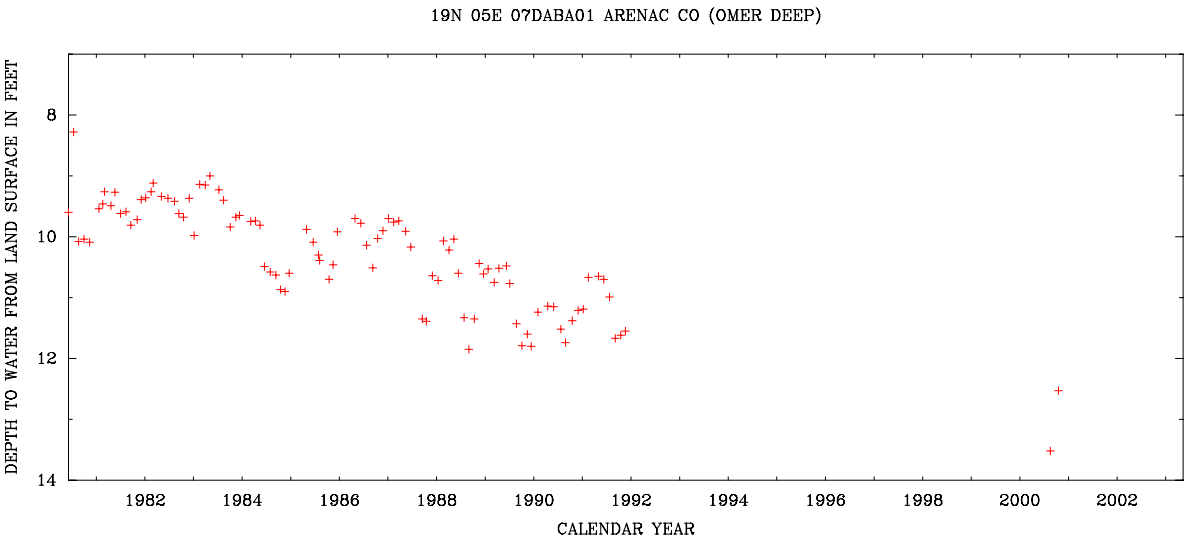
USGS STATION 450850083393401
PERIOD OF ADAPS RECORD, WATER YEARS 1977-1992, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 713 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 88 FT, PRIMARY AQUIFER DESIGNATION:SAND
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

Arenac County



Location of wells with recovered hydrographs in Arenac County, Mich., with local name designation.

USGS STATION No.	USGS STATION NAME
440342083542801	19N 05E 07DABA01 ARENAC CO (OMER DEEP)
440342083542802	19N 05E 07DABA02 ARENAC CO (OMER SHALLOW)

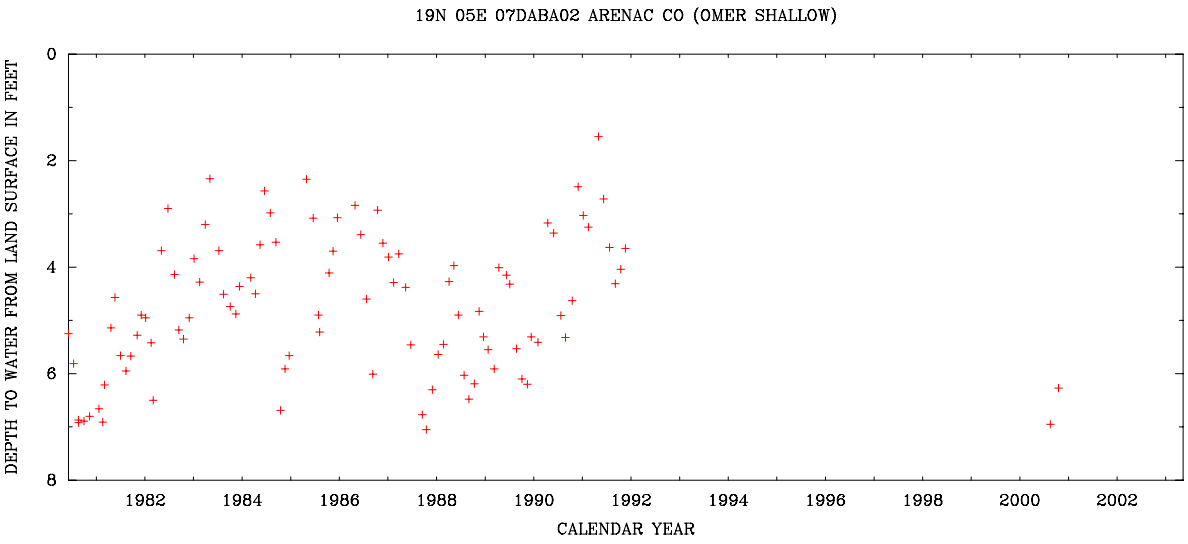


EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 440342083542801
PERIOD OF RECORD, WATER YEARS 1980-2003, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 667 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 185 FT, PRIMARY AQUIFER DESIGNATION:SAGINAW FORMATION
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903



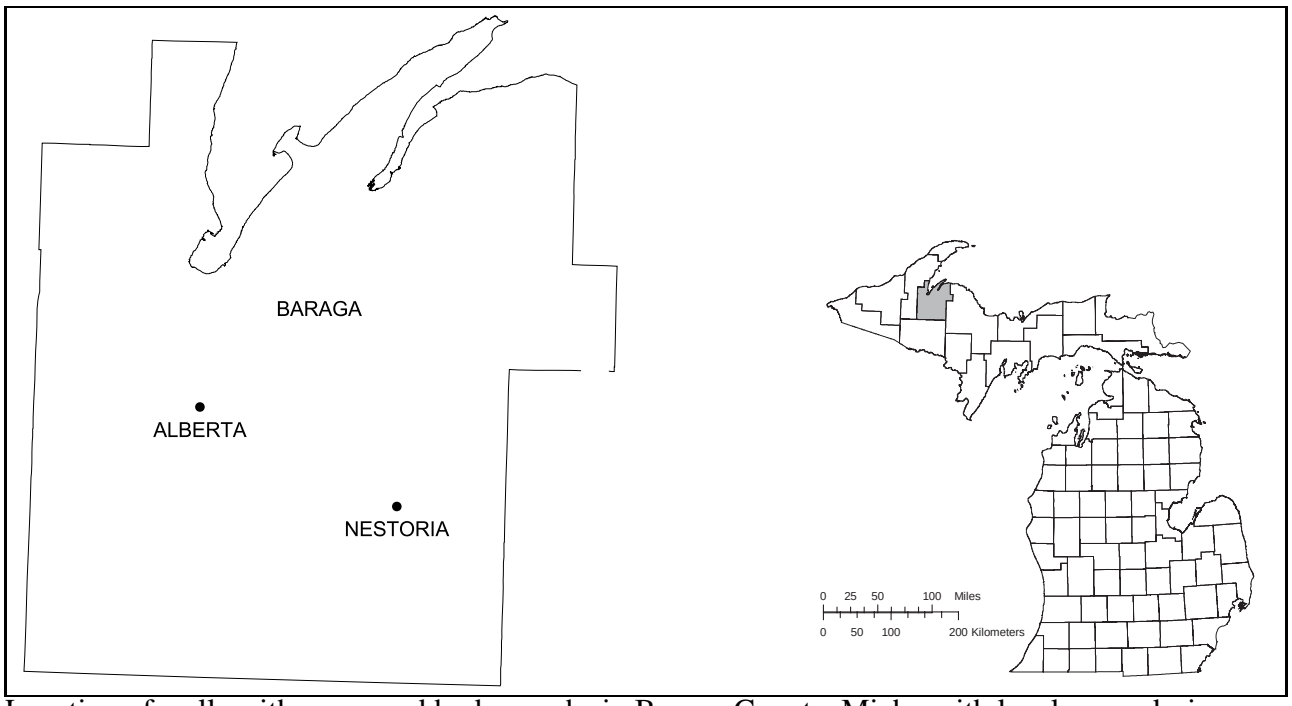
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

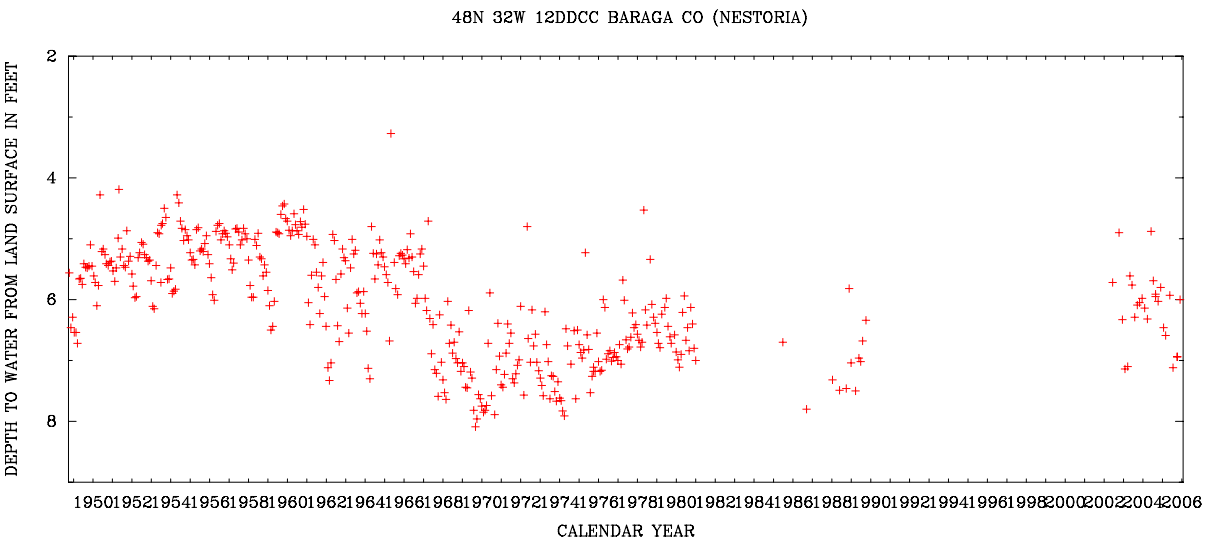
USGS STATION 440342083542802
PERIOD OF RECORD, WATER YEARS 1980-2003, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 667 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 21.0 FT, PRIMARY AQUIFER DESIGNATION:LAKE BEDS
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

Baraga County



Location of wells with recovered hydrographs in Baraga County, Mich., with local name designation.

USGS STATION No.	USGS STATION NAME
463353088144301	48N 32W 12DDCC BARAGA CO (NESTORIA)
463825088285401	49N 33W 18BAD 01 BARAGA CO (ALBERTA)



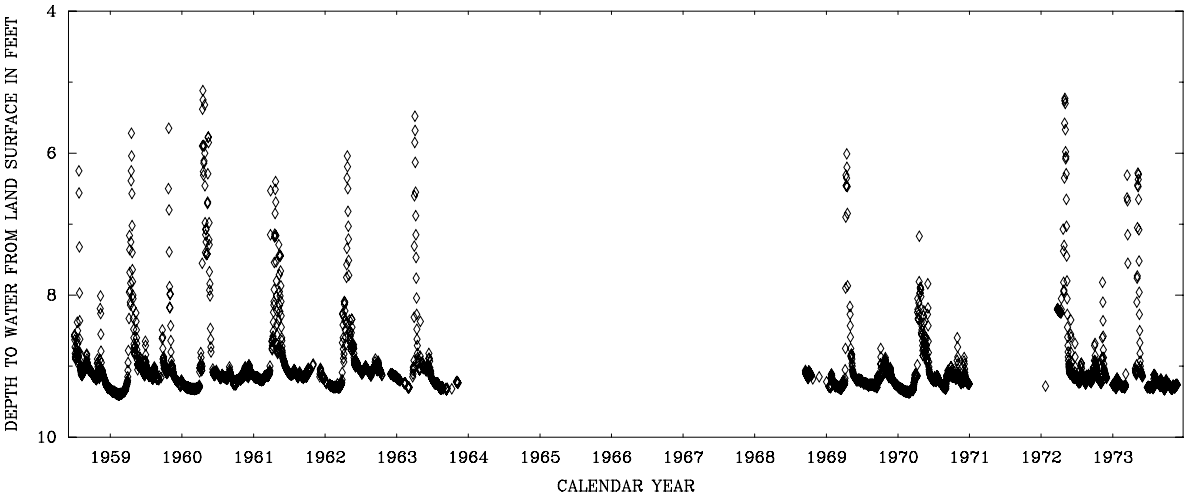
EXPLANATION

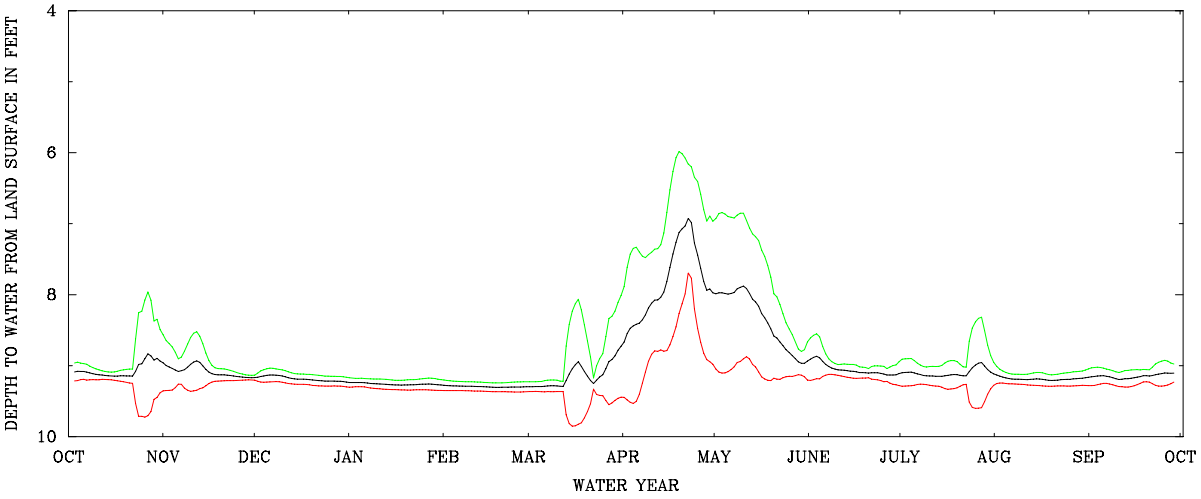
+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 463353088144301
PERIOD OF RECORD, WATER YEARS 1948-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 1630 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 10.0 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

49N 33W 18BAD 01 BARAGA CO (ALBERTA)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER

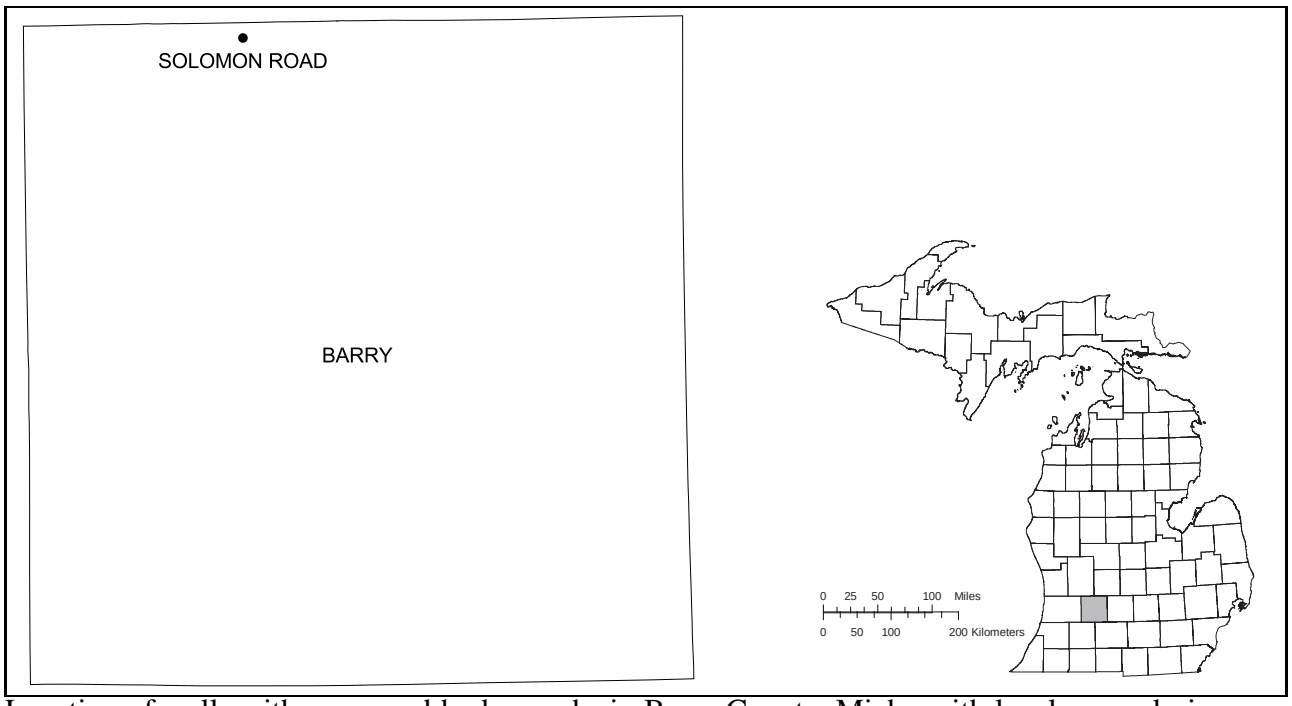
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 463825088285401
PERIOD OF ADAPS RECORD, WATER YEARS 1958-1974, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 1320 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 16.0 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

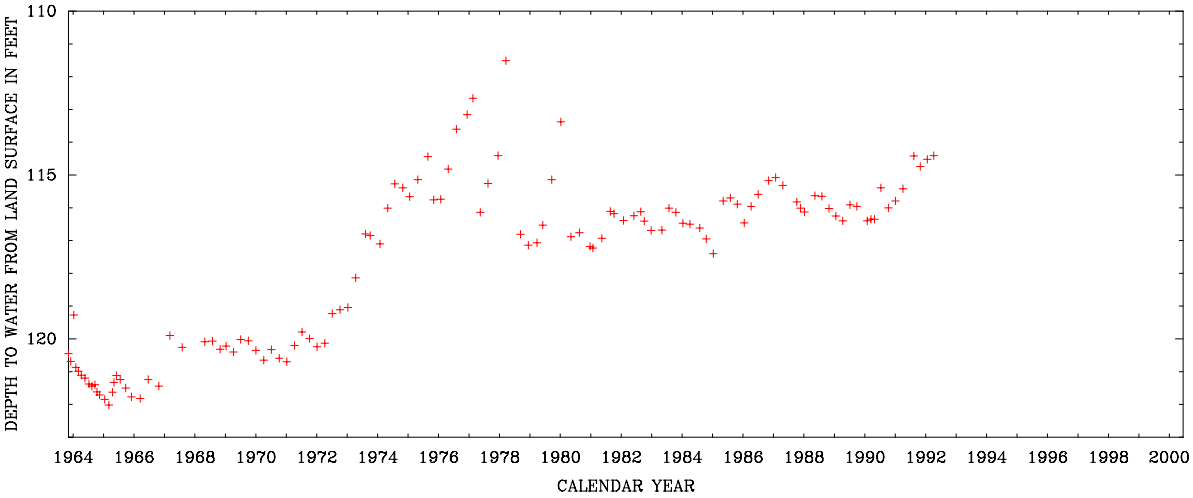
Barry County



Location of wells with recovered hydrographs in Barry County, Mich., with local name designation.

USGS STATION No.	USGS STATION NAME
424540085232001	04N 09W 05DAAA 01 BARRY CO (SOLOMON ROAD)

04N 09W 05DAAA 01 BARRY CO (SOLOMON ROAD)



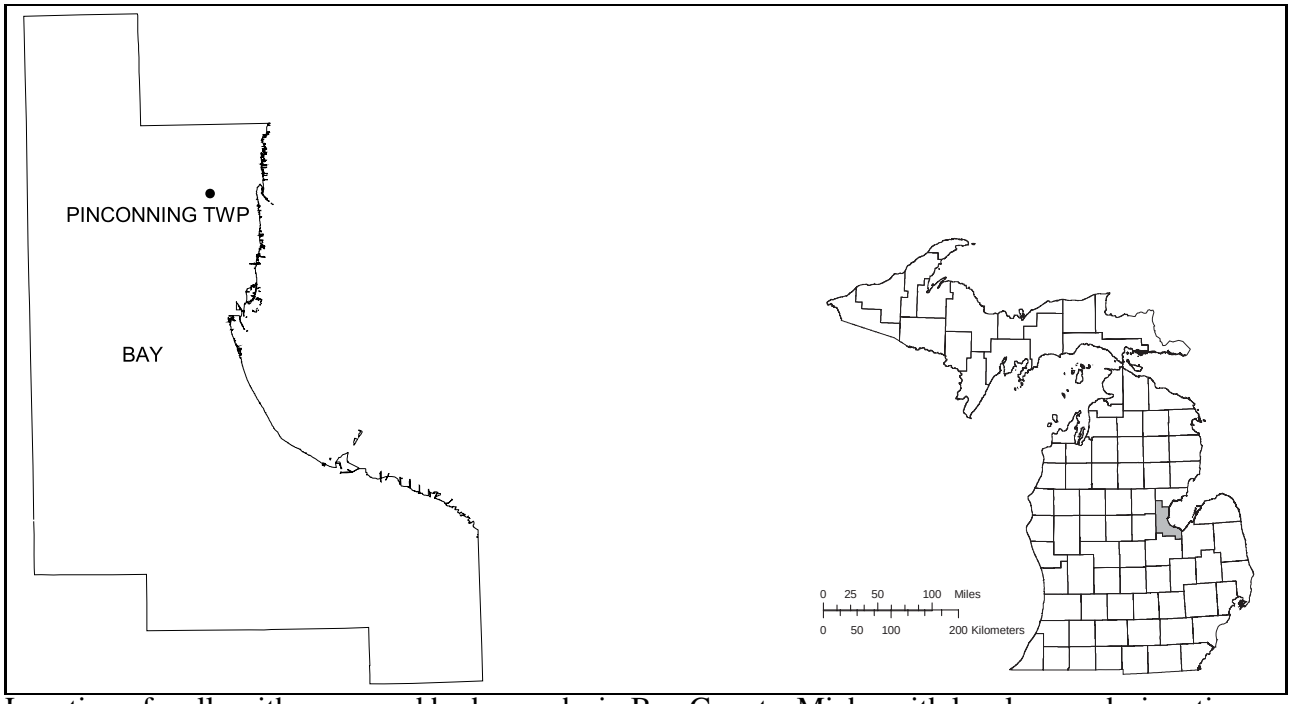
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 424540085232001
PERIOD OF RECORD, WATER YEARS 1964-2000, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 860 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 131 FT, PRIMARY AQUIFER DESIGNATION:GLACIAL DEPOSITS,UNDIFFERENTIATED
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

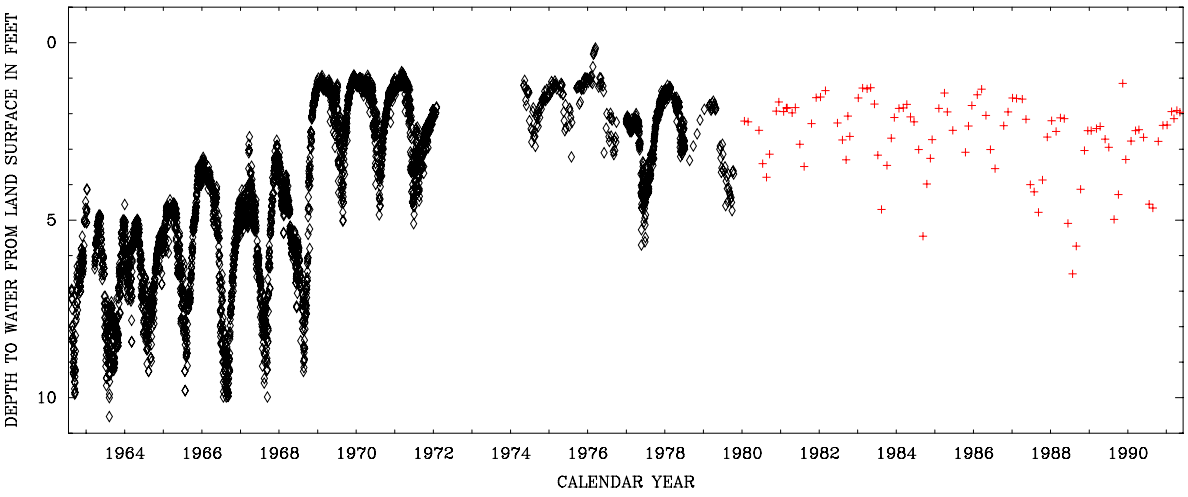
Bay County

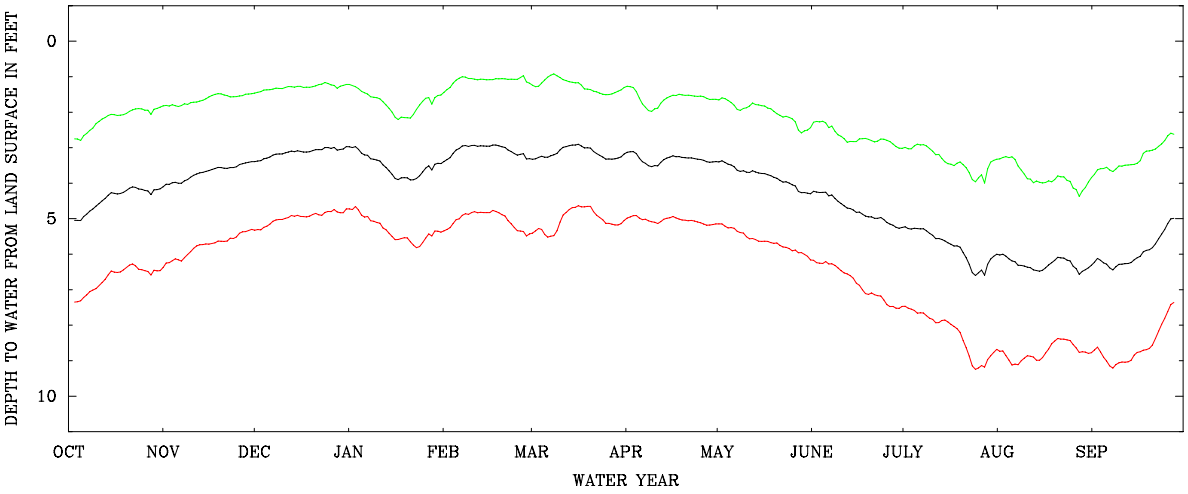


Location of wells with recovered hydrographs in Bay County, Mich., with local name designation.

USGS STATION No.	USGS STATION NAME
435128083582401	17N 04E 22DCAA01 BAY CO (PINCONNING TWP)

17N 04E 22DCAA01 BAY CO (PINCONNING TWP)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS

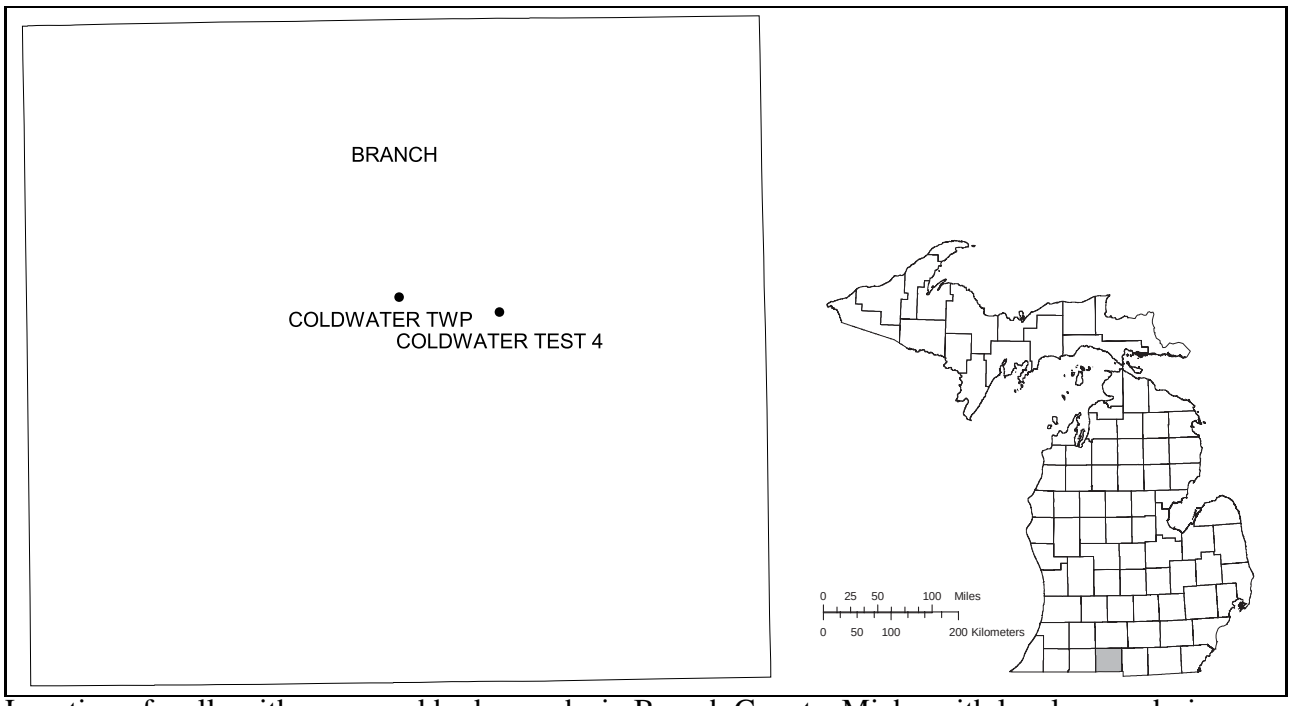
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 435128083582401
PERIOD OF ADAPS RECORD, WATER YEARS 1962-1980, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 598 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 110 FT, PRIMARY AQUIFER DESIGNATION:SAGINAW FORMATION
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

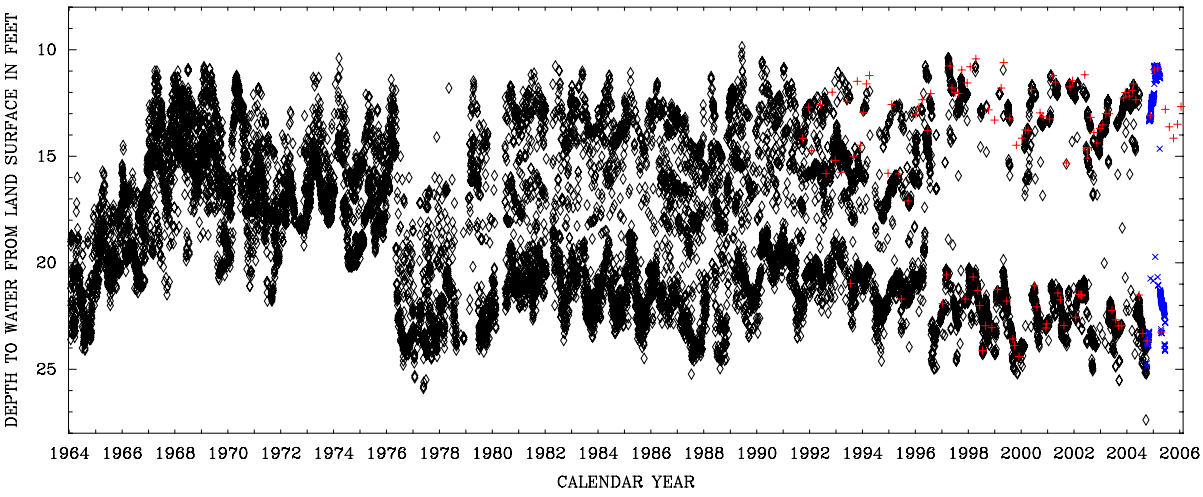
Branch County

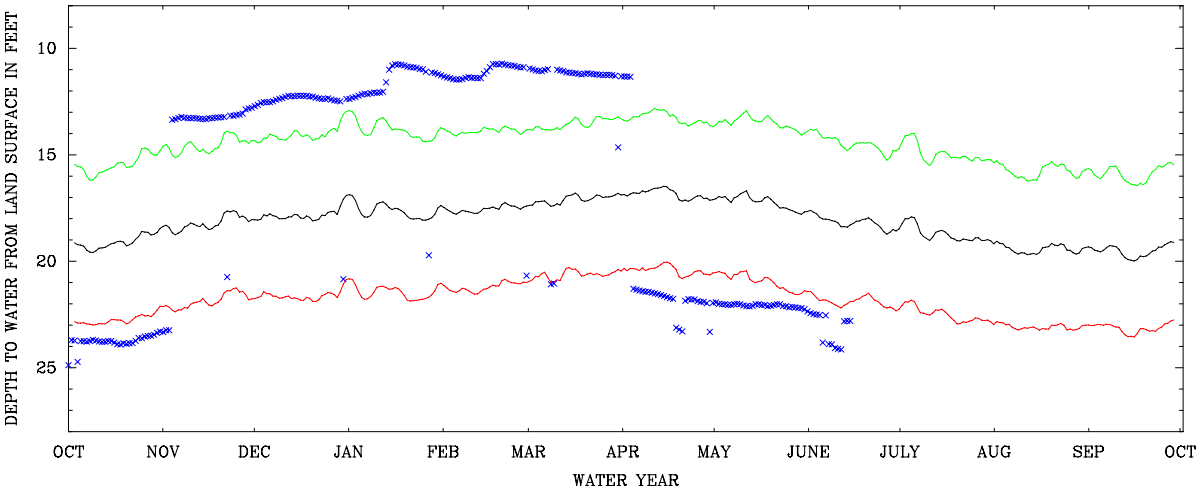


Location of wells with recovered hydrographs in Branch County, Mich., with local name designation.

USGS STATION No.	USGS STATION NAME
415602084593701	06S 06W 22CABA 01 BRANCH CO (COLDWATER TEST 4)
415630085032501	06S 06W 18CCCD01 BRANCH CO (COLDWATER TWP)

06S 06W 22CABA 01 BRANCH CO (COLDWATER TEST 4)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS
× 2005 DAILY MAXIMUM DEPTH TO WATER
PROVISIONAL DATA SUBJECT TO REVISION

AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

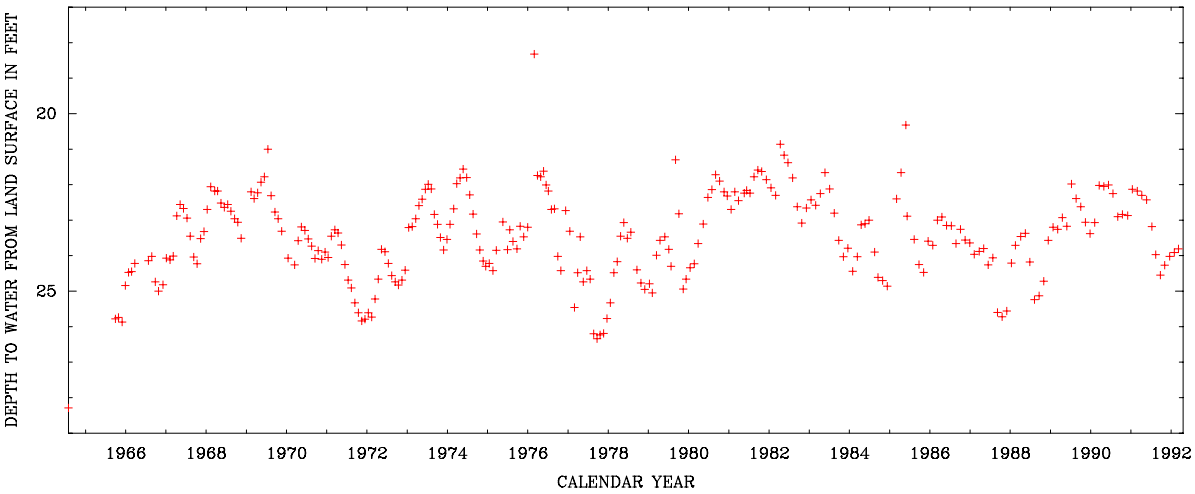
5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

T A NEARBY SITE THAT TAPS THE SAME AQUIFER HAD BEEN PUMPED RECI

USGS STATION 415602084593701
PERIOD OF ADAPS RECORD, WATER YEARS 1964-2005, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 970 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 113 FT, PRIMARY AQUIFER DESIGNATION:SAND AND GRAVEL
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

06S 06W 18CCCD01 BRANCH CO (COLDWATER TWP)



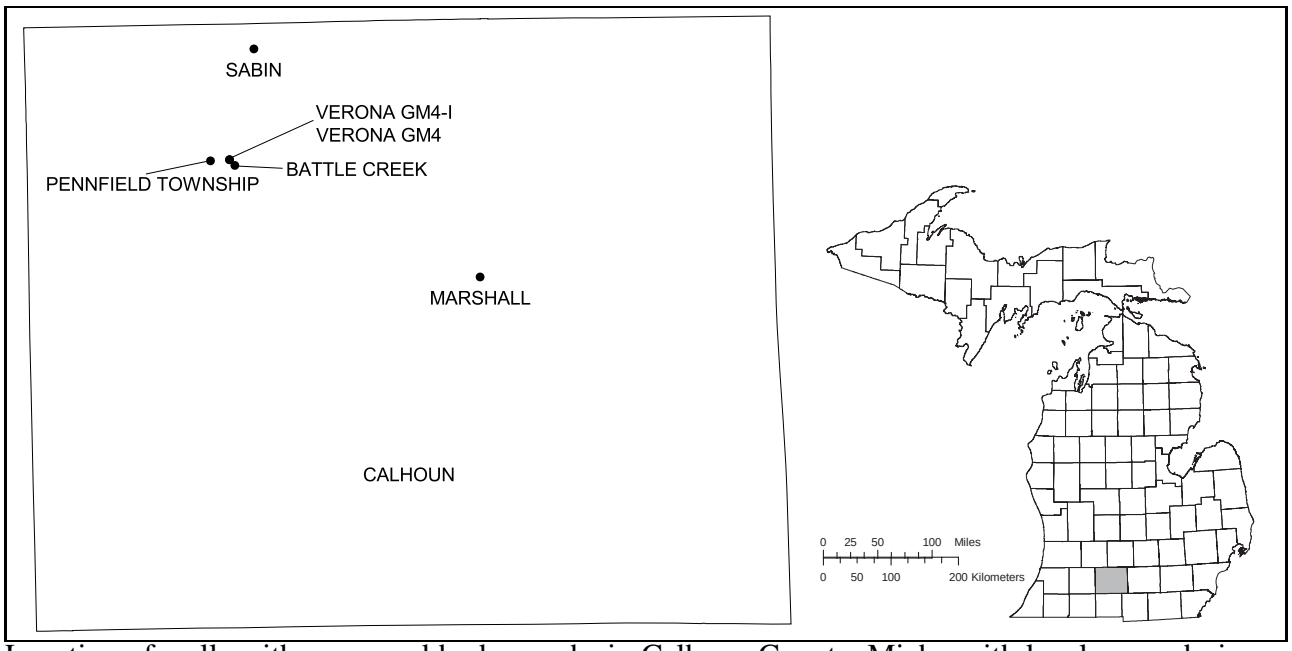
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

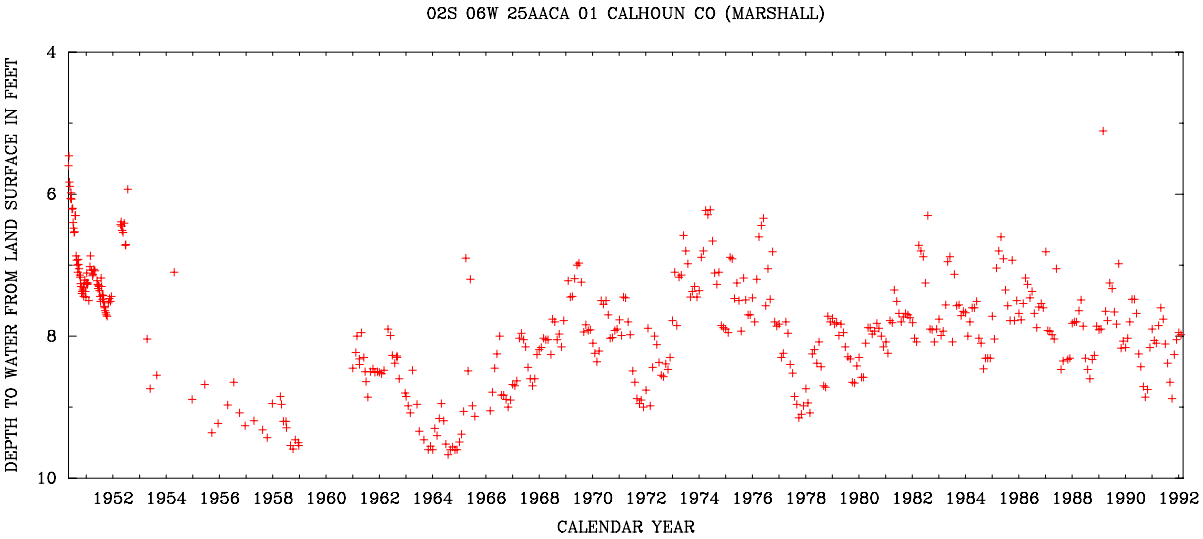
USGS STATION 415630085032501
PERIOD OF RECORD, WATER YEARS 1964-1992, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 950 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 56 FT, PRIMARY AQUIFER DESIGNATION:OUTWASH
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

Calhoun County



Location of wells with recovered hydrographs in Calhoun County, Mich., with local name designation.

USGS STATION No.	USGS STATION NAME
421623084564901	02S 06W 25AACA 01 CALHOUN CO (MARSHALL)
422021085081101	01S 07W 32DABD 01 CALHOUN CO (BATTLE CREEK)
422032085091801	01S 07W 32BDCC 01 CALHOUN CO (PENNFIELD TOWNSHIP)
422033085082601	01S 07W 33BCBC01 CALHOUN CO (VERONA GM4)
422033085082602	01S 07W 33 BCBC02 CALHOUN CO (VERONA GM4-I)
422422085071501	01S 07W 10BBAB 01 CALHOUN CO (SABIN)



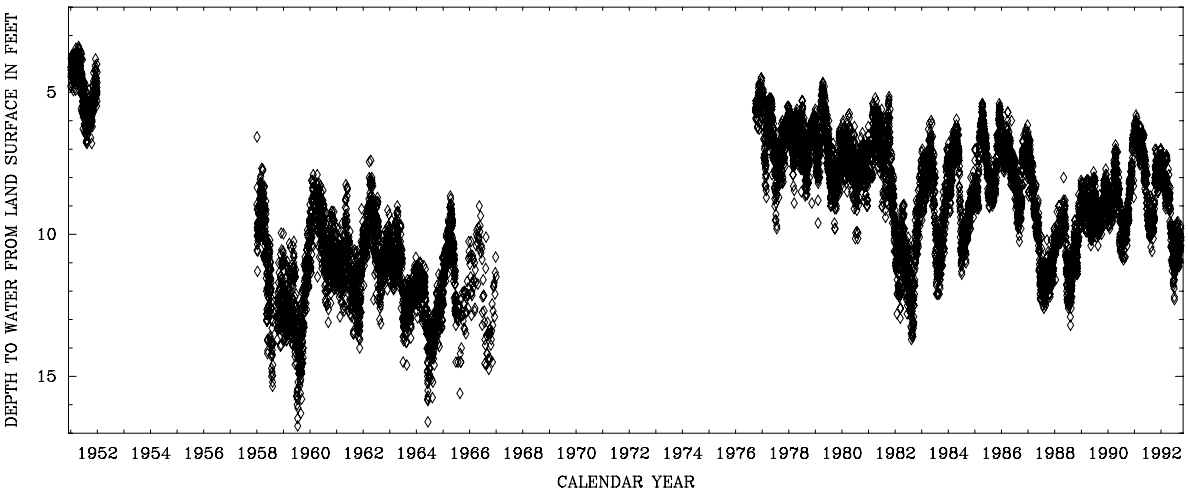
EXPLANATION

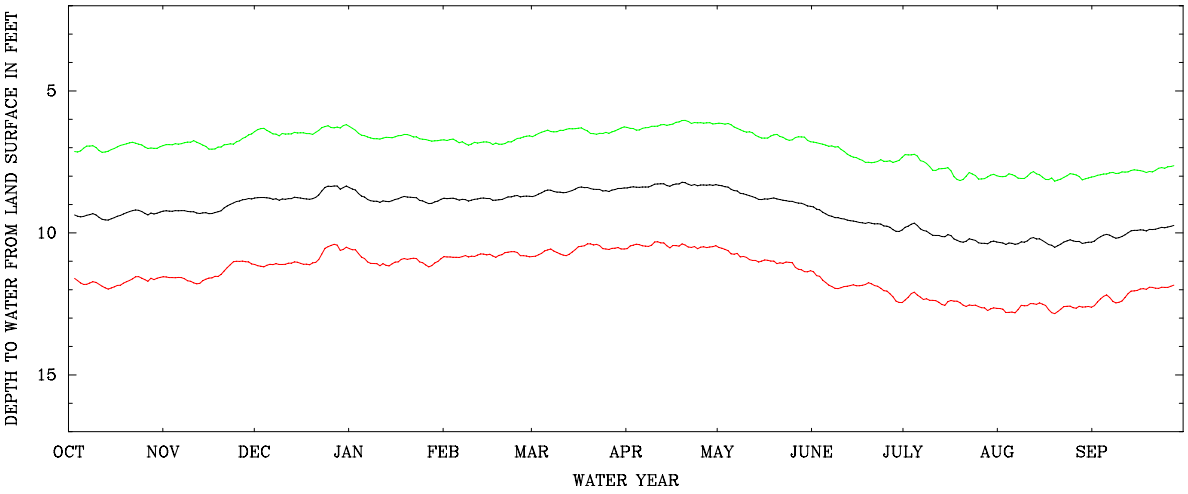
+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 421623084564901
PERIOD OF RECORD, WATER YEARS 1950-1992, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 904.85 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS FT, PRIMARY AQUIFER DESIGNATION:MARSHALL FORMATION
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

01S 07W 32DABD 01 CALHOUN CO (BATTLE CREEK)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER

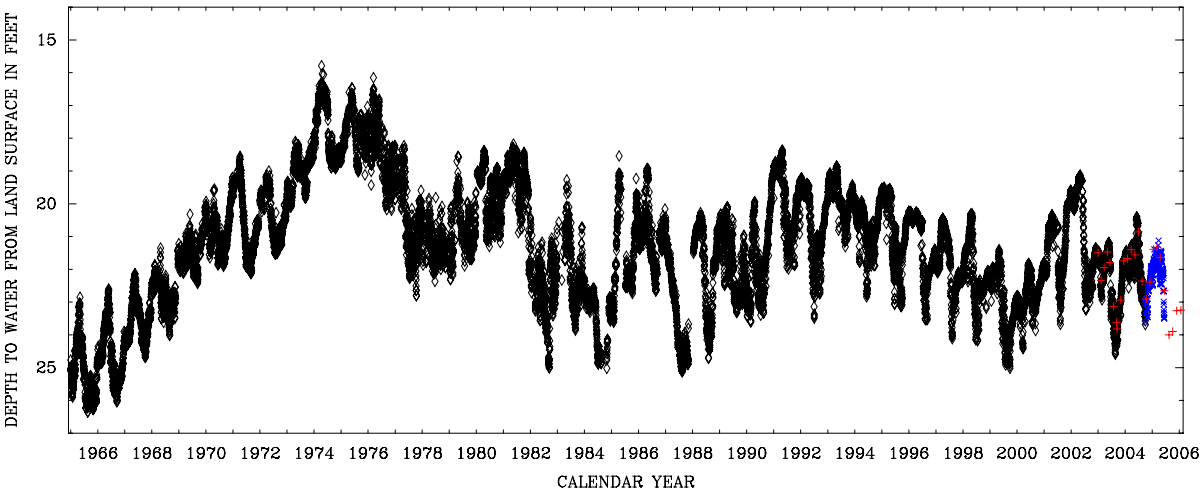
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

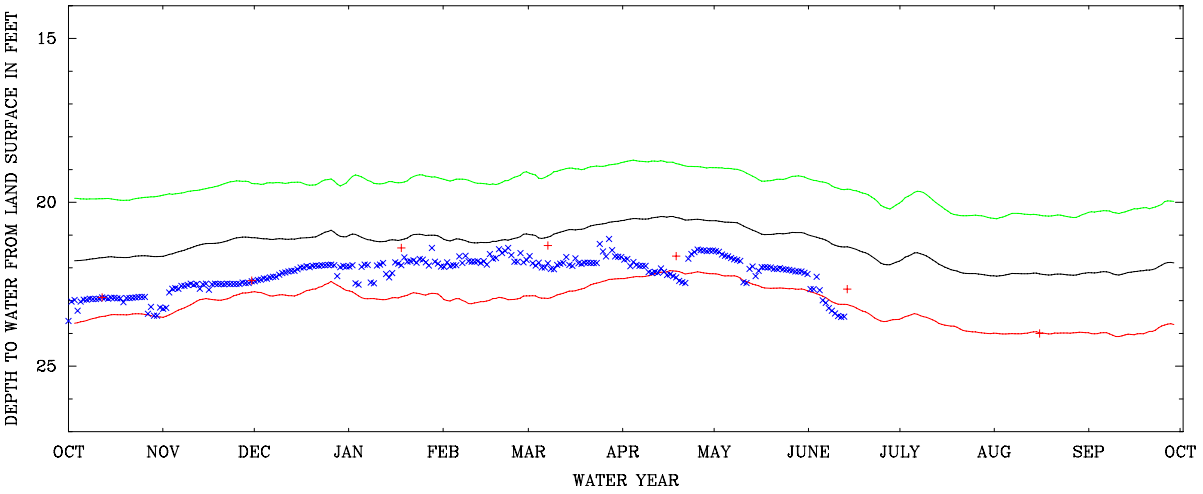
5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 422021085081101
PERIOD OF ADAPS RECORD, WATER YEARS 1951-1992, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 830.79 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 127 FT, PRIMARY AQUIFER DESIGNATION:MARSHALL FORMATION
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

01S 07W 32BDCC 01 CALHOUN CO (PENNFIELD TOWNSHIP)





EXPLANATION

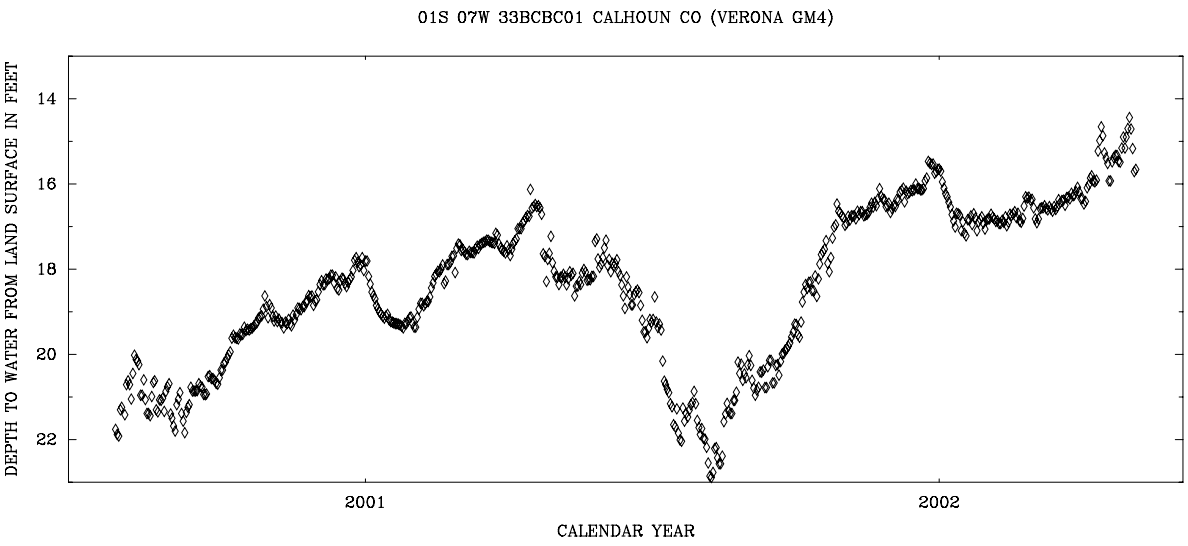
◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS
× 2005 DAILY MAXIMUM DEPTH TO WATER
PROVISIONAL DATA SUBJECT TO REVISION

AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 422032085091801
PERIOD OF ADAPS RECORD, WATER YEARS 1965-2005, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 845 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 95 FT, PRIMARY AQUIFER DESIGNATION:MARSHALL FORMATION
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

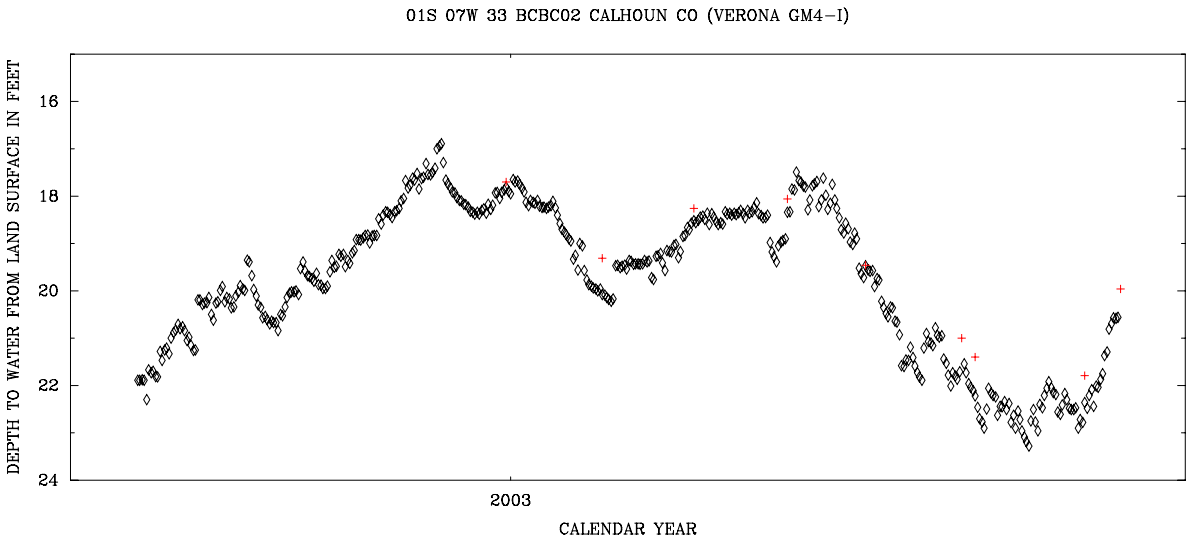


EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER

PERIOD OF ADAPS RECORD TOO SHORT TO GENERATE
MEANINGFUL WATER-YEAR SUMMARY

USGS STATION 422033085082601
PERIOD OF ADAPS RECORD, WATER YEARS 2000-2002, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 835.7 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 120 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

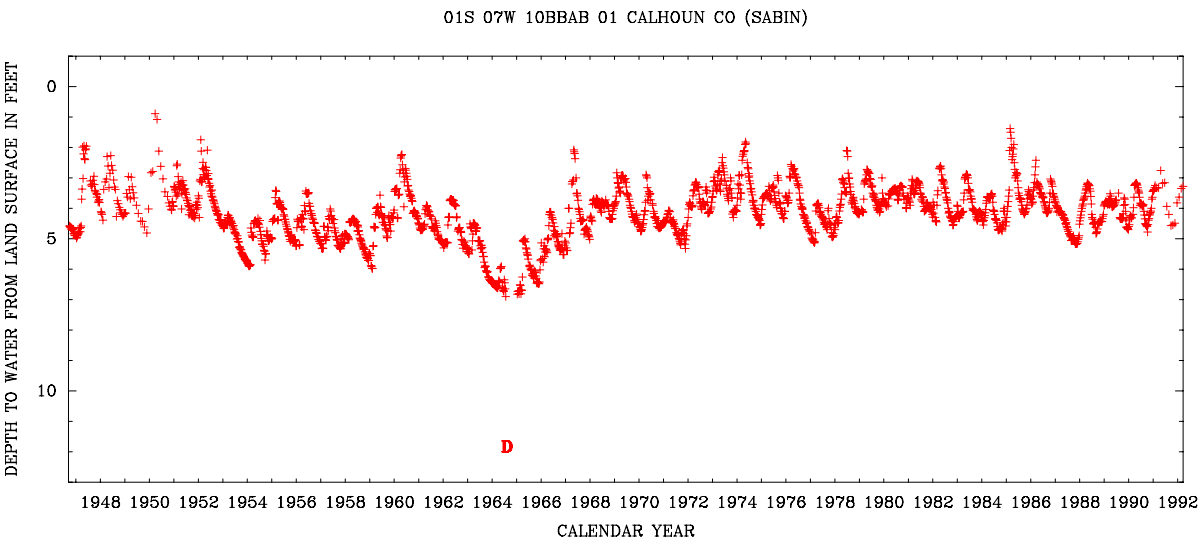


EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS

PERIOD OF ADAPS RECORD TOO SHORT TO GENERATE
MEANINGFUL WATER-YEAR SUMMARY

USGS STATION 422033085082602
PERIOD OF ADAPS RECORD, WATER YEARS 2002-2003, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 835.7 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 53.0 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903



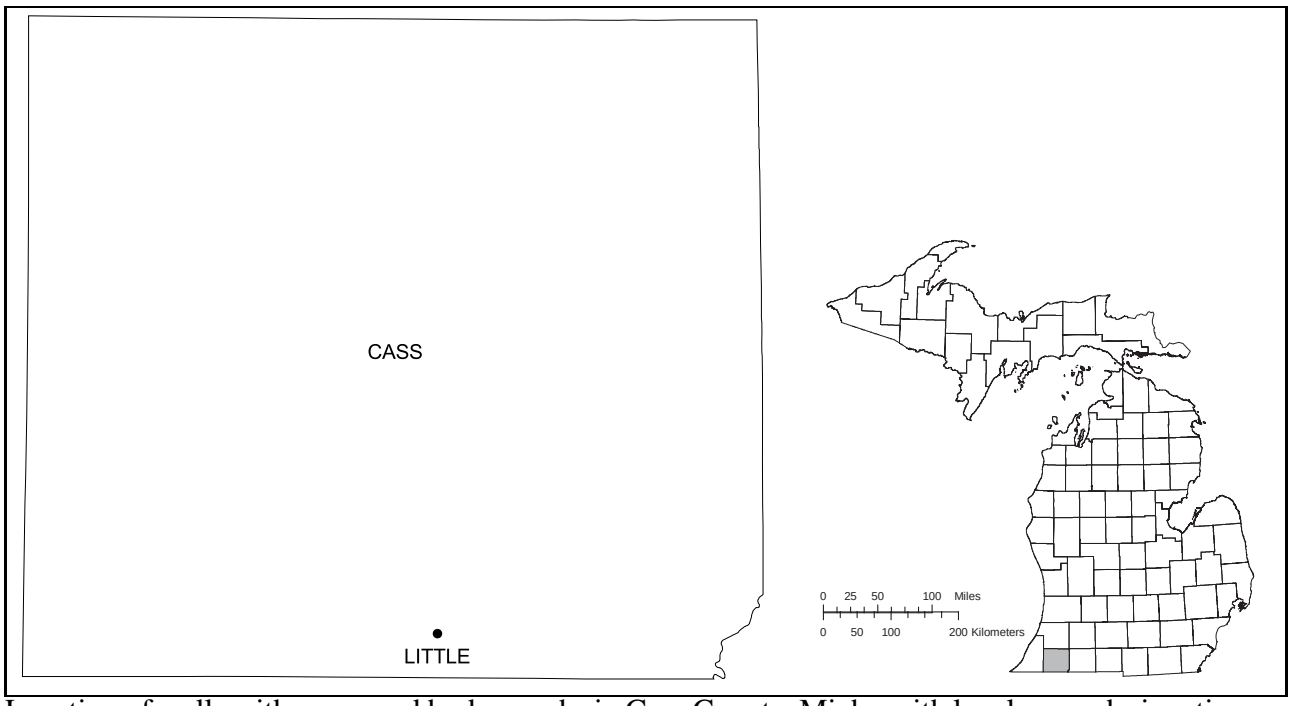
EXPLANATION

+	GWSI TAPE-DOWN MEASUREMENTS
D	THE SITE WAS DRY (NO WATER LEVEL RECORDED).

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

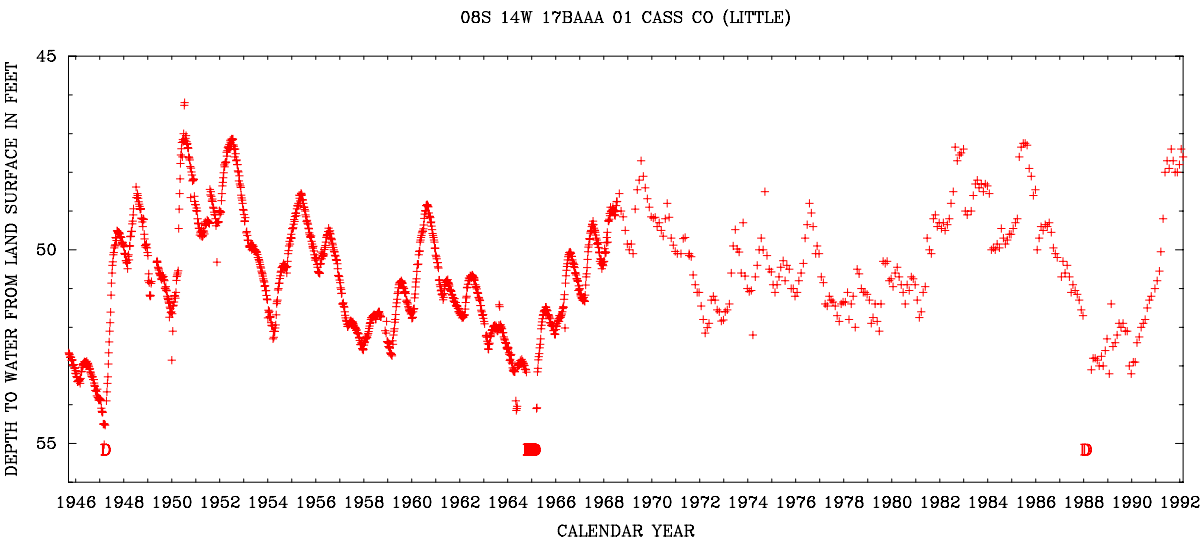
USGS STATION 422422085071501
PERIOD OF RECORD, WATER YEARS 1946-1992, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 908.0 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 12.0 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

Cass County



Location of wells with recovered hydrographs in Cass County, Mich., with local name designation.

USGS STATION No.	USGS STATION NAME
414650085575501	08S 14W 17BAAA 01 CASS CO (LITTLE)



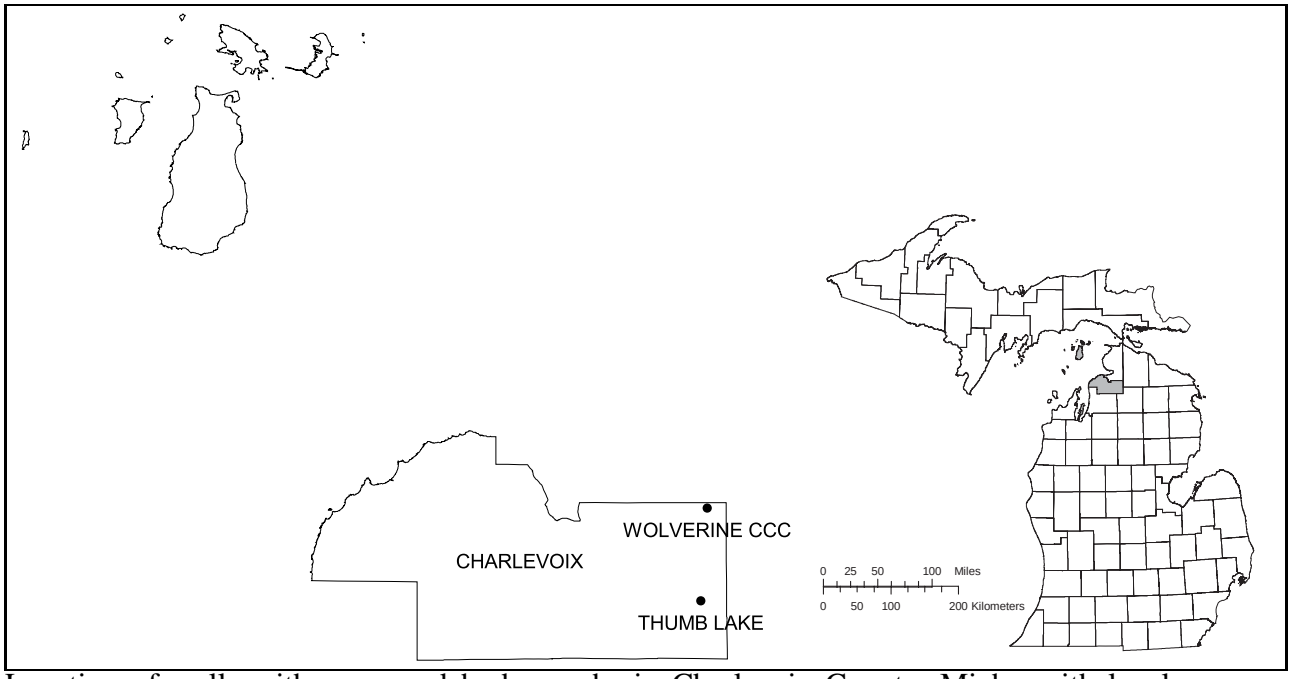
EXPLANATION

+	GWSI TAPE-DOWN MEASUREMENTS
D	THE SITE WAS DRY (NO WATER LEVEL RECORDED).

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 414650085575501
PERIOD OF RECORD, WATER YEARS 1945-1992, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 840 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 55.3 FT, PRIMARY AQUIFER DESIGNATION:GLACIAL DEPOSITS,UNDIFFERENTIATED
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

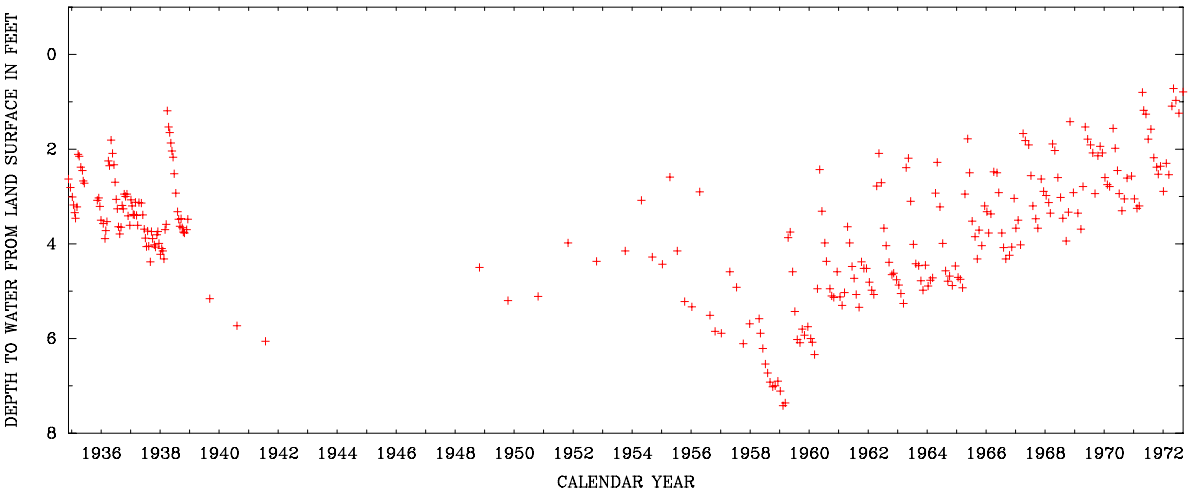
Charlevoix County



Location of wells with recovered hydrographs in Charlevoix County, Mich., with local name designation.

USGS STATION No.	USGS STATION NAME
451049084463301	32N 04W 10DAAA 01 CHARLEVOIX CO (THUMB LAKE WELL)
451700084454801	33N 04W 02ACCB 01 CHARLEVOIX CO (WOLVERINE CCC)

32N 04W 10DAAA 01 CHARLEVOIX CO (THUMB LAKE WELL)



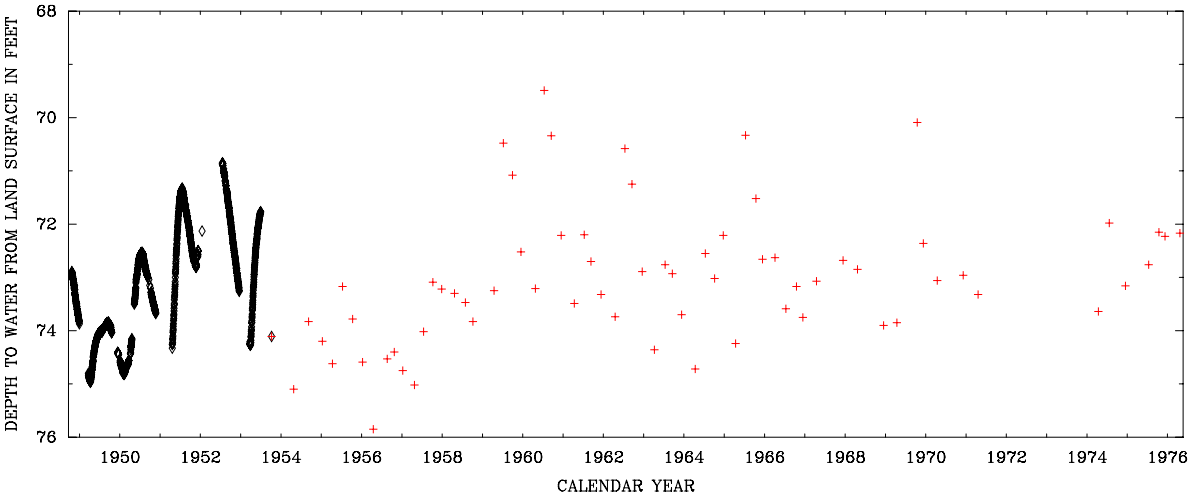
EXPLANATION

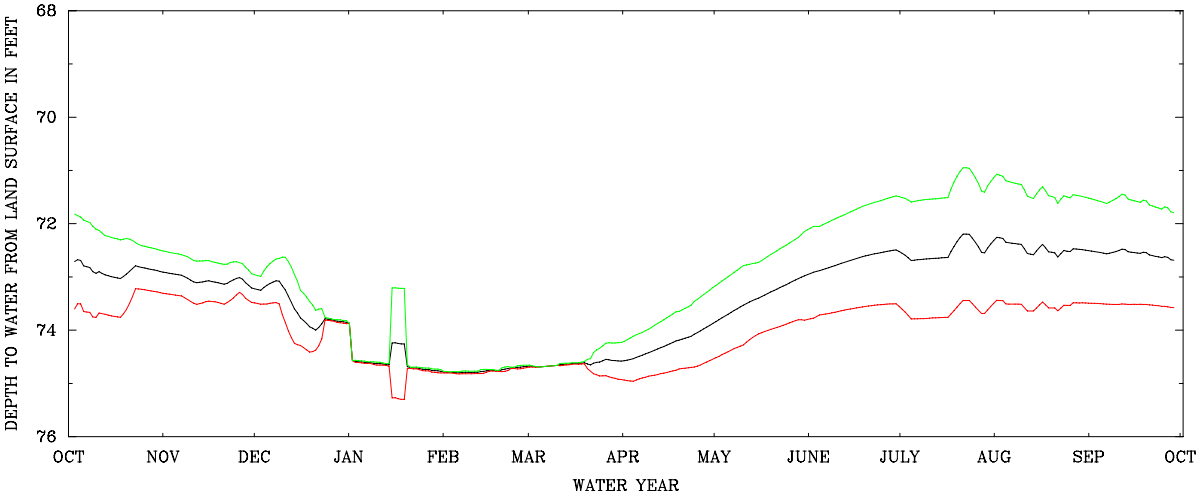
+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 451049084463301
PERIOD OF RECORD, WATER YEARS 1935-1972, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 1060 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS FT, PRIMARY AQUIFER DESIGNATION:GLACIAL DEPOSITS,UNDIFFERENTIATED
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

33N 04W 02ACCB 01 CHARLEVOIX CO (WOLVERINE CCC)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER

\+ GWSI TAPE-DOWN MEASUREMENTS

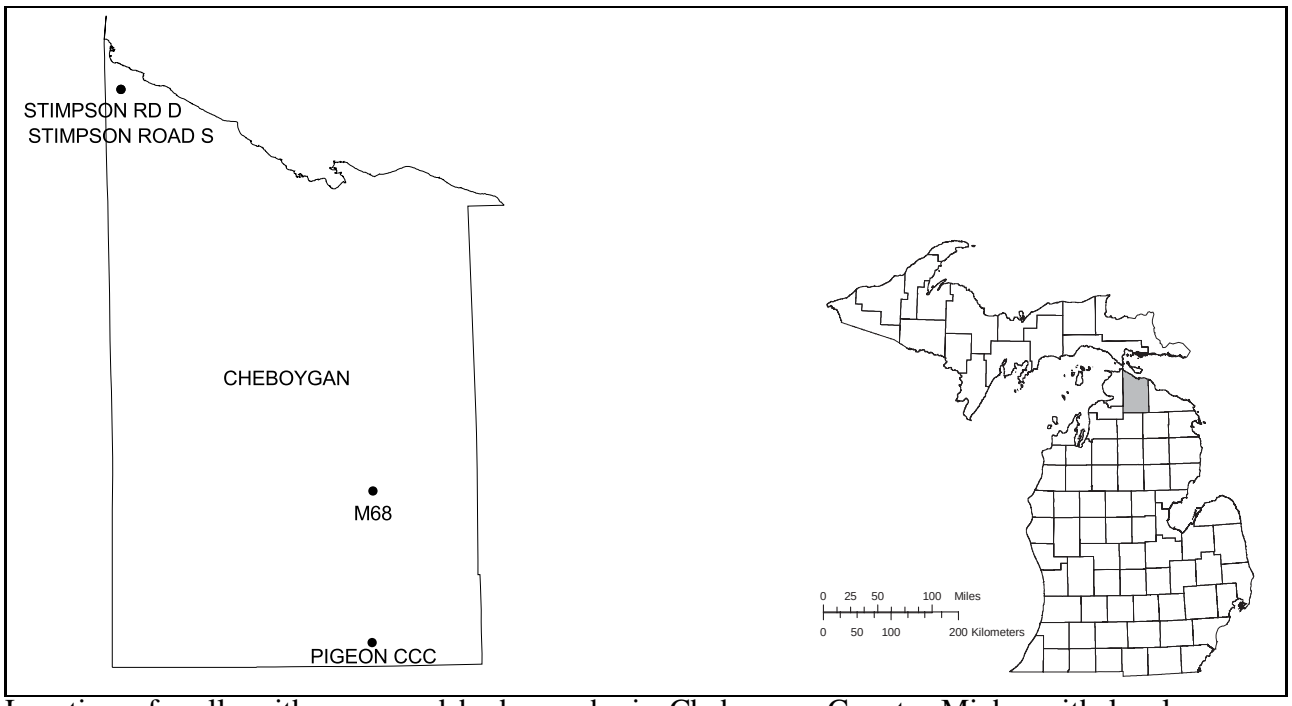
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 451700084454801
PERIOD OF ADAPS RECORD, WATER YEARS 1949-1954, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 970 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS FT, PRIMARY AQUIFER DESIGNATION:GLACIAL DEPOSITS,UNDIFFERENTIATED
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

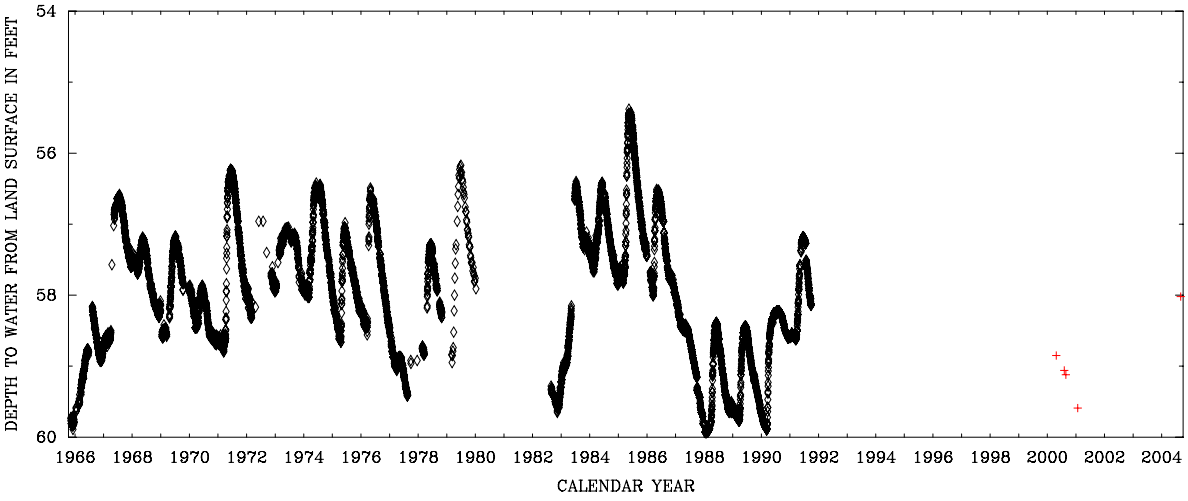
Cheboygan County

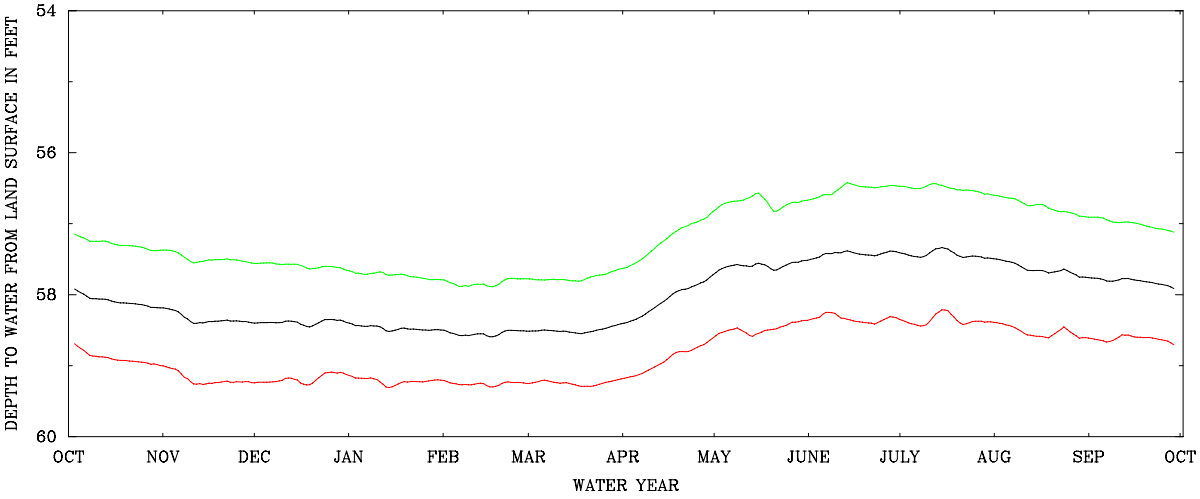


Location of wells with recovered hydrographs in Cheboygan County, Mich., with local name designation.

USGS STATION No.	USGS STATION NAME
451304084232901	33N 01W 26DABB01 CHEBOYGAN CO (PIGEON CCC)
452143084231001	34N 01W 01CBAA 01 CHEBOYGAN CO (M68)
454427084424001	39N 03W 29CBCB01 CHEBOYGAN COUNTY (STIMPSON RD D)
454427084424002	39N 03W 29CBCB02 CHEBOYGAN CO (STIMPSON ROAD S)

33N 01W 26DABB01 CHEBOYGAN CO (PIGEON CCC)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS

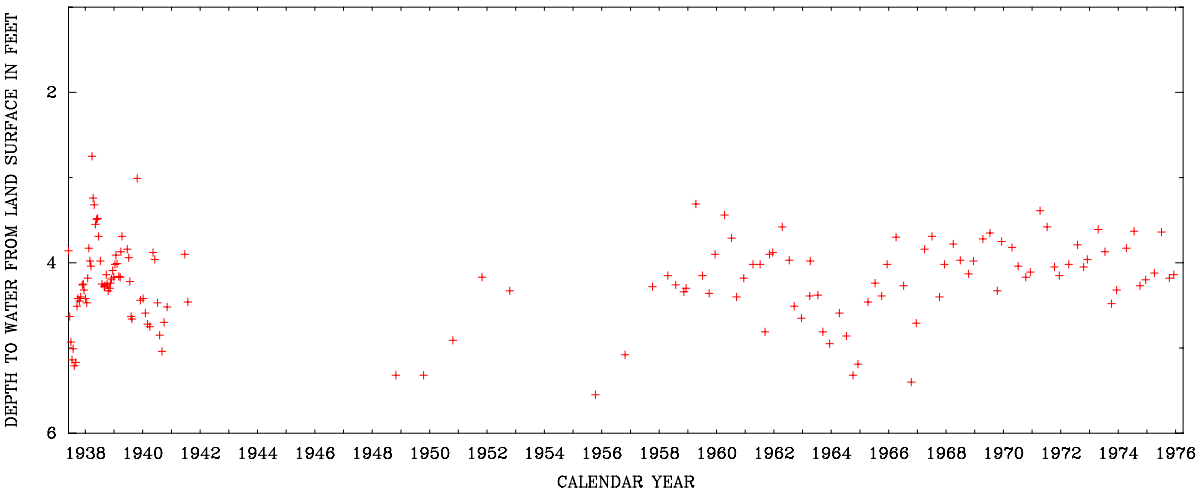
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 451304084232901
PERIOD OF ADAPS RECORD, WATER YEARS 1966-1991, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 933 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 164 FT, PRIMARY AQUIFER DESIGNATION:SAND
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

34N 01W 01CBAA 01 CHEBOYGAN CO (M68)

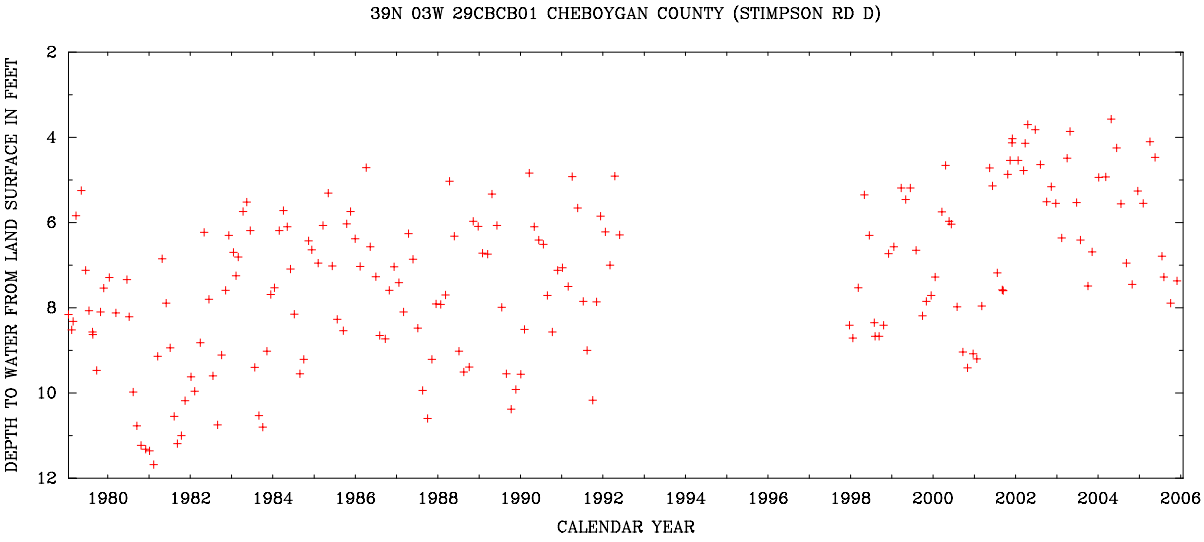


EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 452143084231001
PERIOD OF RECORD, WATER YEARS 1937-1976, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 780 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 11.0 FT, PRIMARY AQUIFER DESIGNATION:GLACIAL DEPOSITS,UNDIFFERENTIATED
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

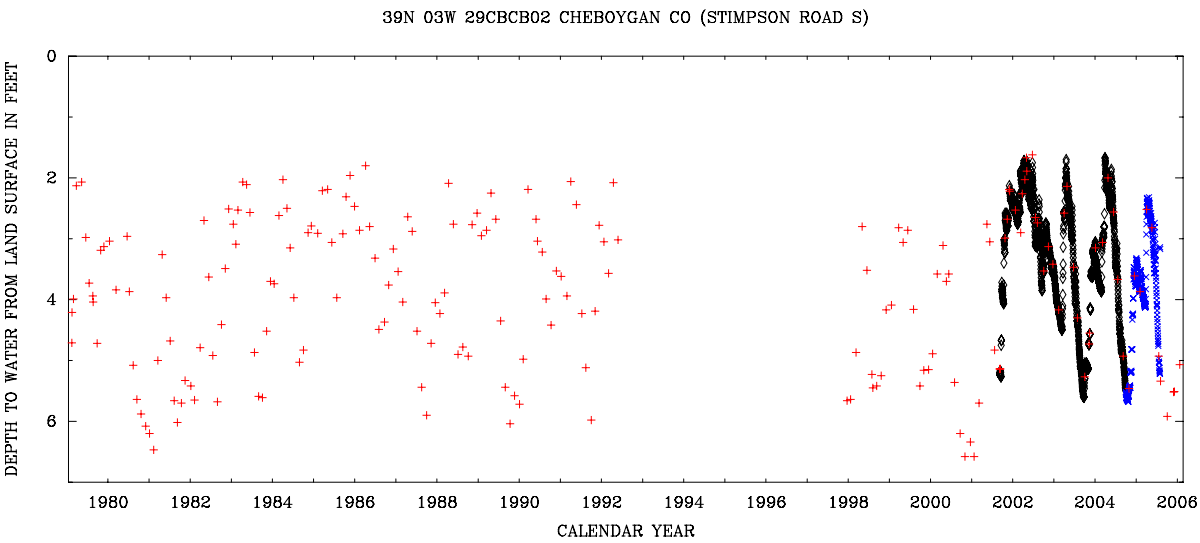


EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 454427084424001
PERIOD OF RECORD, WATER YEARS 1979-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 705 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 125 FT, PRIMARY AQUIFER DESIGNATION:DUNDEE FORMATION
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903



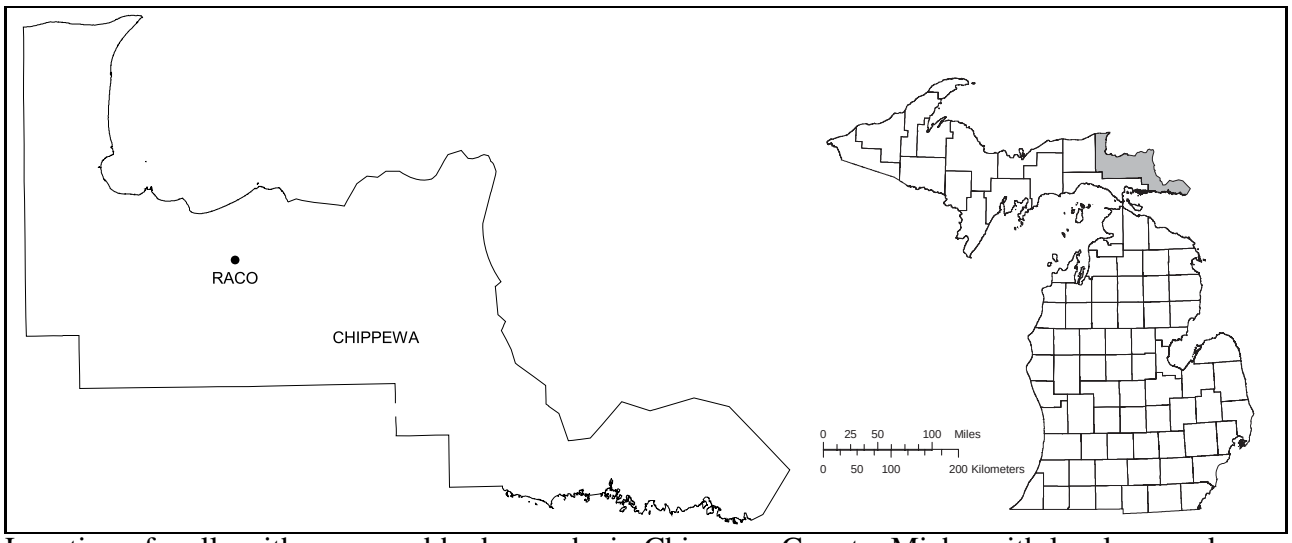
EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS
× 2005 DAILY MAXIMUM DEPTH TO WATER
PROVISIONAL DATA SUBJECT TO REVISION

PERIOD OF ADAPS RECORD TOO SHORT TO GENERATE
MEANINGFUL WATER-YEAR SUMMARY

USGS STATION 454427084424002
PERIOD OF ADAPS RECORD, WATER YEARS 2001-2005, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 705 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 55.0 FT, PRIMARY AQUIFER DESIGNATION:SAND AND GRAVEL
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

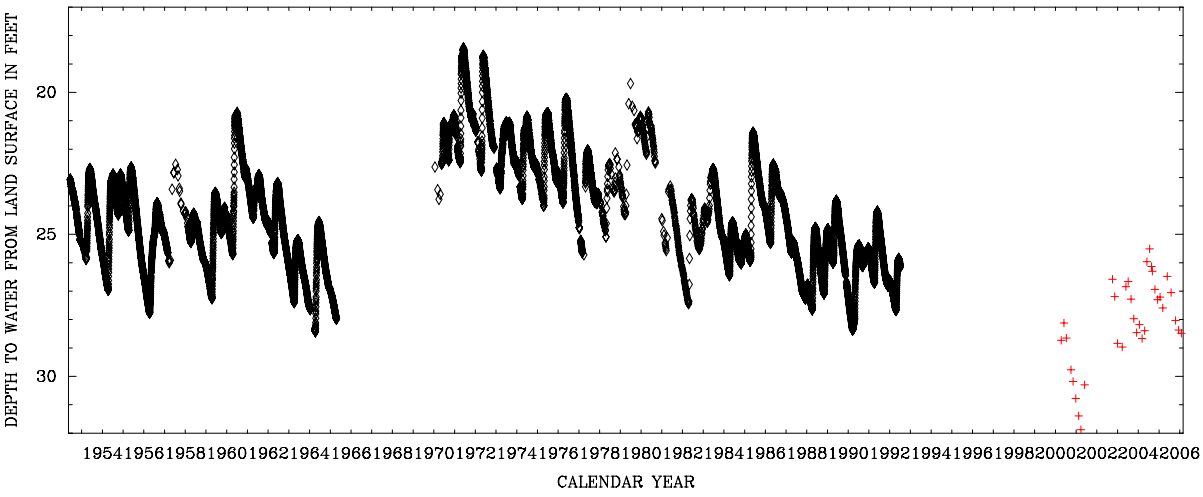
Chippewa County

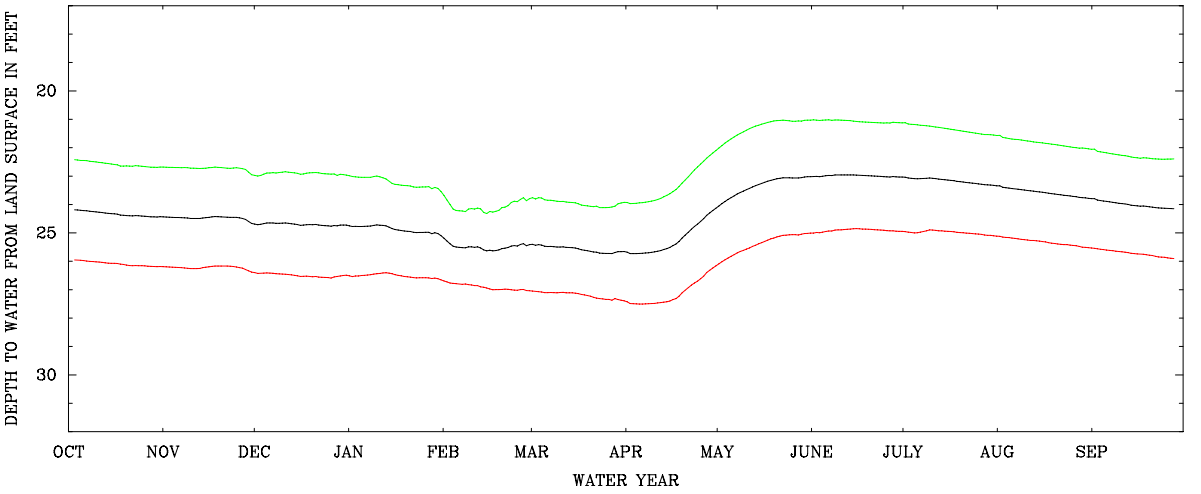


Location of wells with recovered hydrographs in Chippewa County, Mich., with local name designation.

USGS STATION No.	USGS STATION NAME
462159084442201	46N 04W 24DAAD01 CHIPPEWA CO (RACO)

46N 04W 24DAAD01 CHIPPEWA CO (RACO)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS

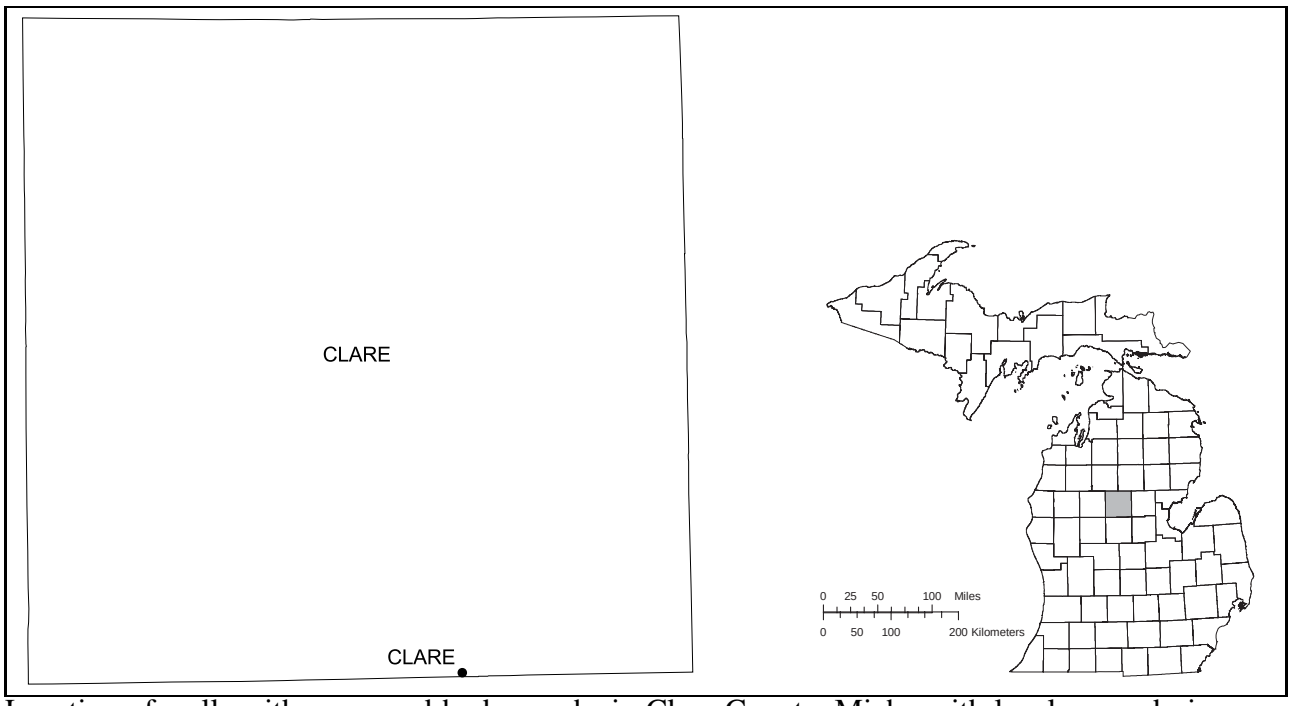
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 462159084442201
PERIOD OF ADAPS RECORD, WATER YEARS 1952-1992, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 851 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 53.9 FT, PRIMARY AQUIFER DESIGNATION:OUTWASH
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

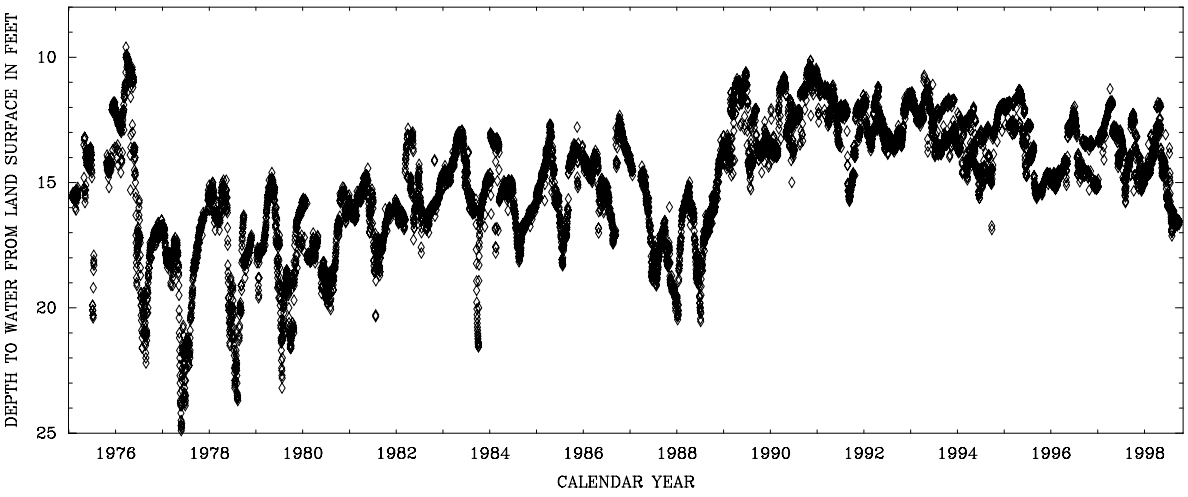
Clare County

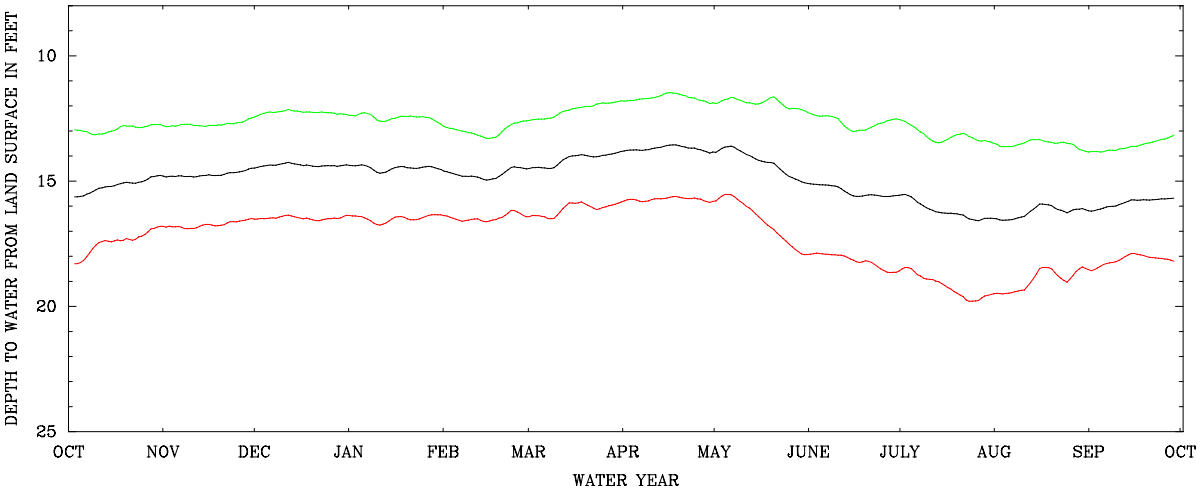


Location of wells with recovered hydrographs in Clare County, Mich., with local name designation.

USGS STATION No.	USGS STATION NAME
434900084462501	17N 04W 34DCAD 01 CLARE COUNTY (CLARE)

17N 04W 34DCAD 01 CLARE COUNTY (CLARE)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER

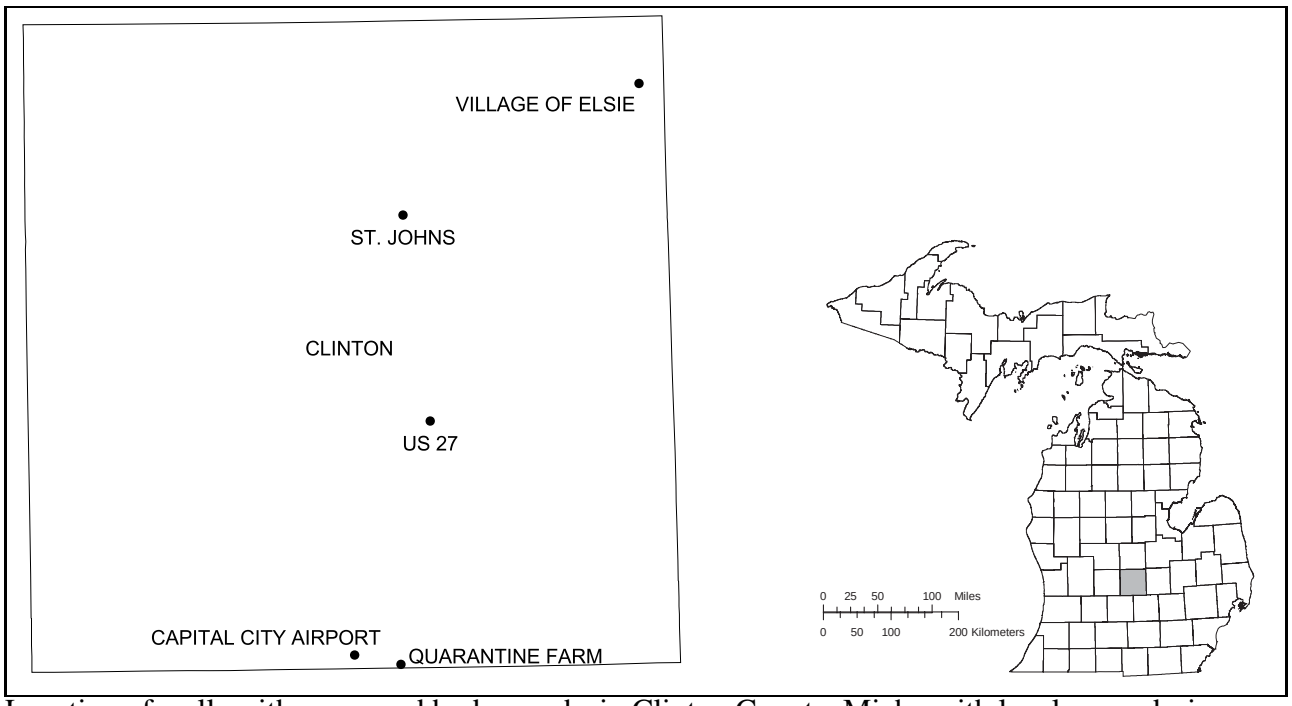
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 434900084462501
PERIOD OF ADAPS RECORD, WATER YEARS 1975-1998, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 850 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 91 FT, PRIMARY AQUIFER DESIGNATION:GLACIAL DEPOSITS,UNDIFFERENTIATED
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

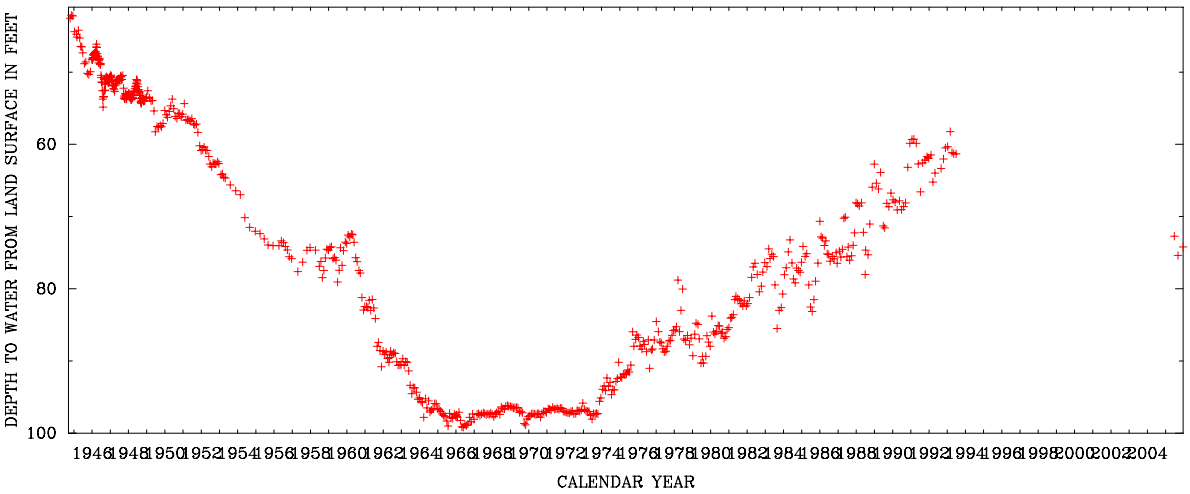
Clinton County



Location of wells with recovered hydrographs in Clinton County, Mich., with local name designation.

USGS STATION No.	USGS STATION NAME
424618084340401	05N 02W 32DCDA 01 CLINTON CO (QUARANTINE FARM)
424637084360601	05N 02W 31CBBA01 CLINTON CO (CAPITAL CITY AIRPORT)
425408084323601	06N 02W 16DDAD 01 CLINTON CO (US 27)
430047084333801	07N 02W 09BBCD 01 CLINTON CO (ST. JOHNS)
430454084230901	08N 01W 13BC01 CLINTON CO (VILLAGE OF ELSIE)

05N 02W 32DCDA 01 CLINTON CO (QUARANTINE FARM)



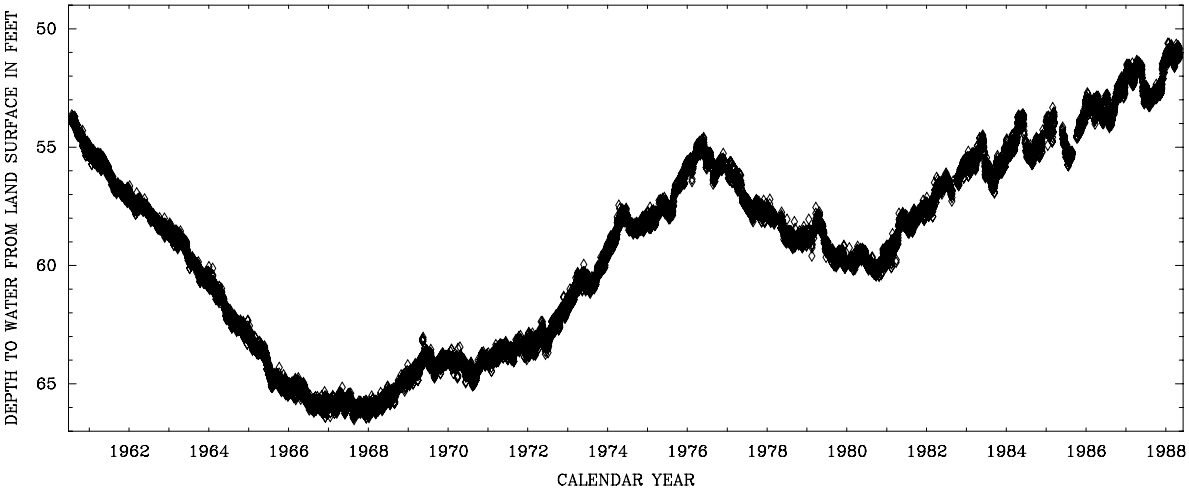
EXPLANATION

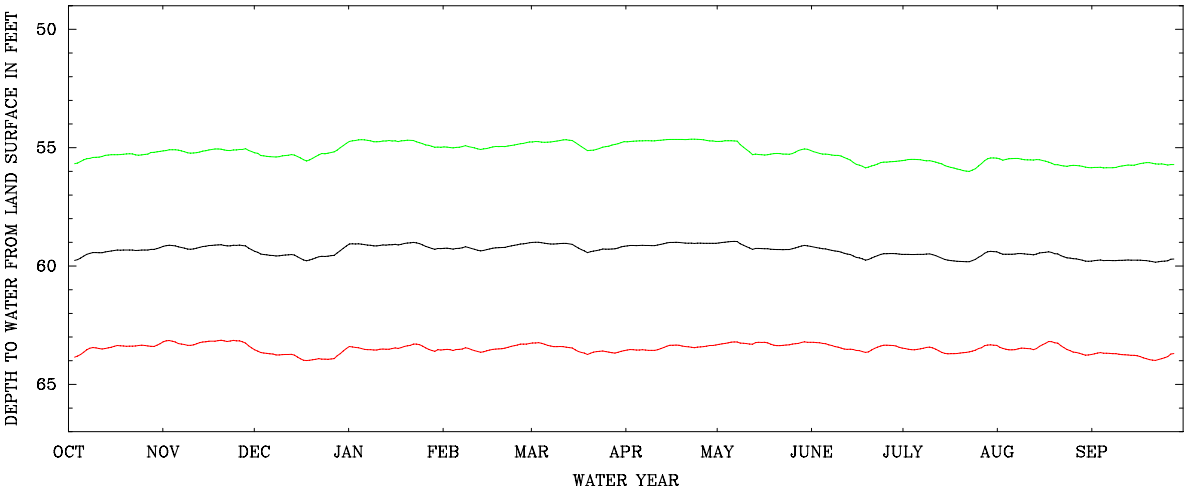
+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 424618084340401
PERIOD OF RECORD, WATER YEARS 1944-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 849.21 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 136 FT, PRIMARY AQUIFER DESIGNATION:SAGINAW FORMATION
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

05N 02W 31CBBA01 CLINTON CO (CAPITAL CITY AIRPORT)





EXPLANATION

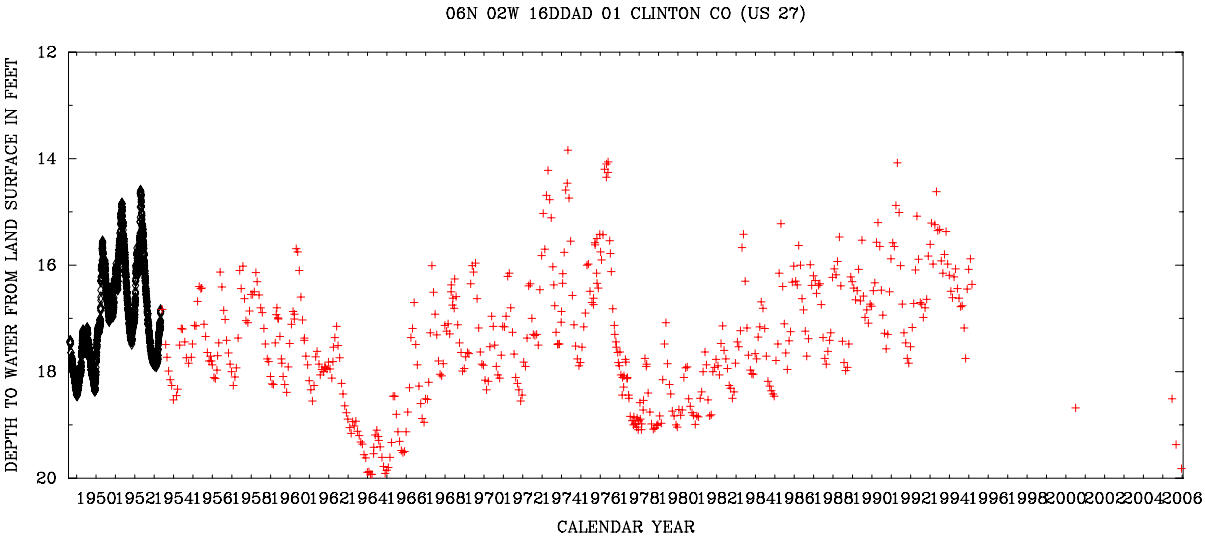
◊ DAILY MAXIMUM DEPTH TO WATER

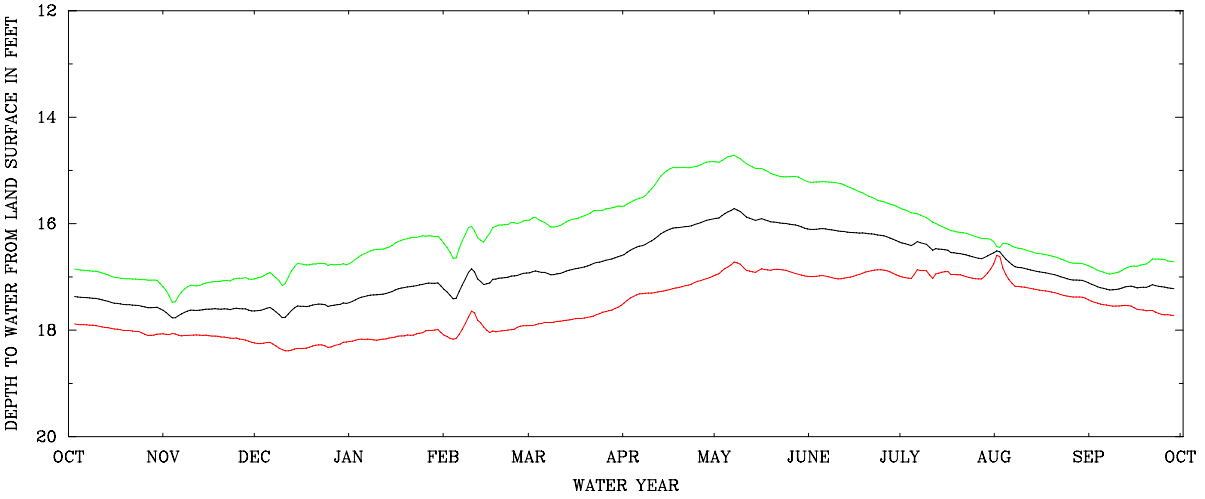
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 424637084360601
PERIOD OF ADAPS RECORD, WATER YEARS 1960-1988, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 850 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 195 FT, PRIMARY AQUIFER DESIGNATION:SAGINAW FORMATION
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER

\+ GWSI TAPE-DOWN MEASUREMENTS

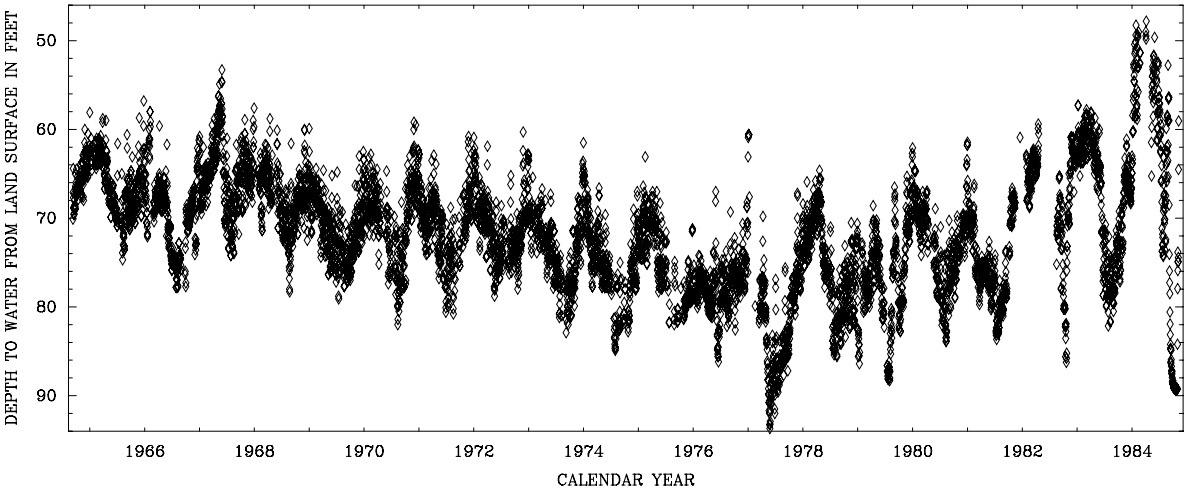
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

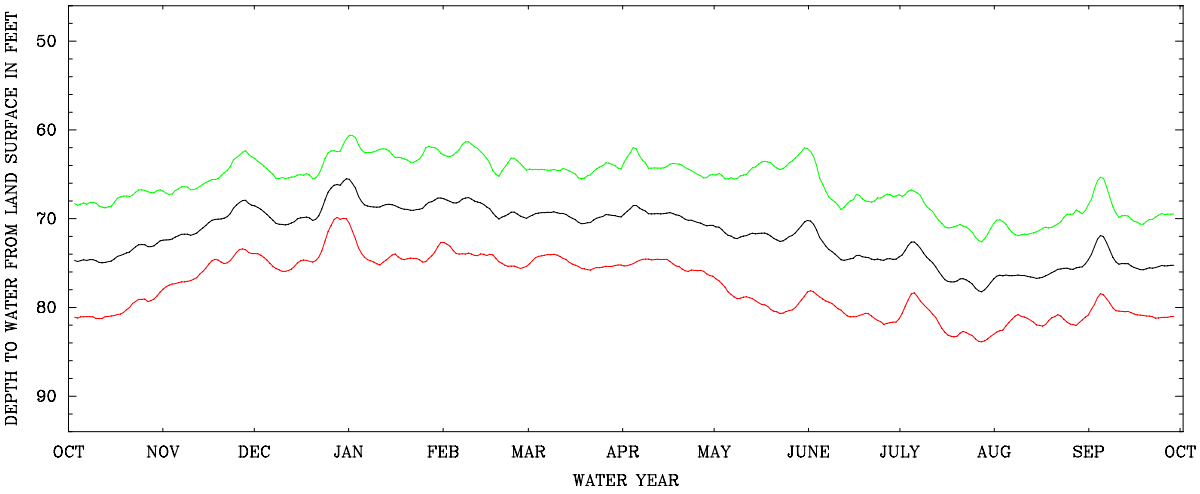
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AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 425408084323601
PERIOD OF ADAPS RECORD, WATER YEARS 1948-1953, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 803.32 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 26.0 FT, PRIMARY AQUIFER DESIGNATION:GLACIAL DEPOSITS,UNDIFFERENTIATED
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

07N 02W 09BBCD 01 CLINTON CO (ST. JOHNS)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER

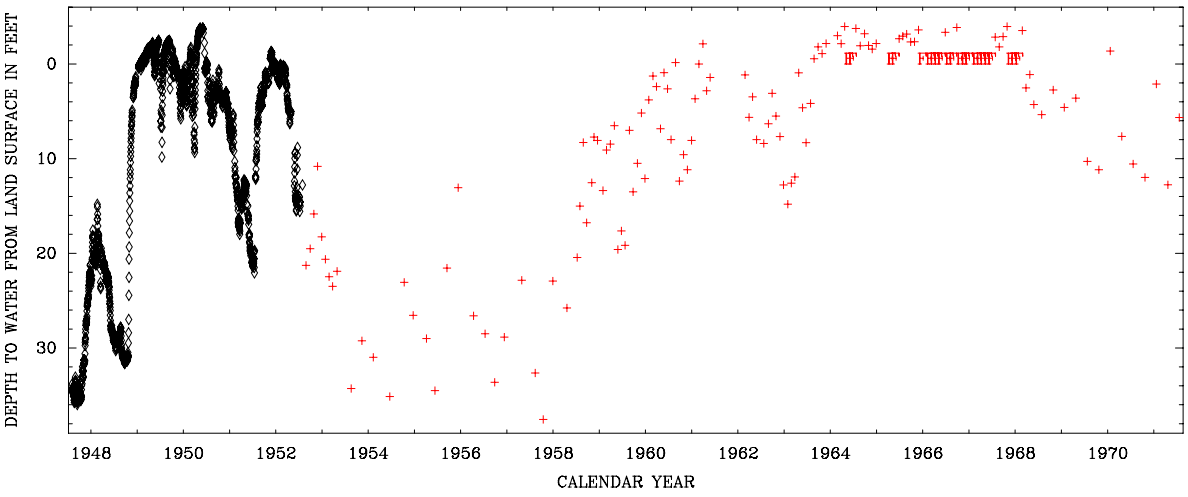
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

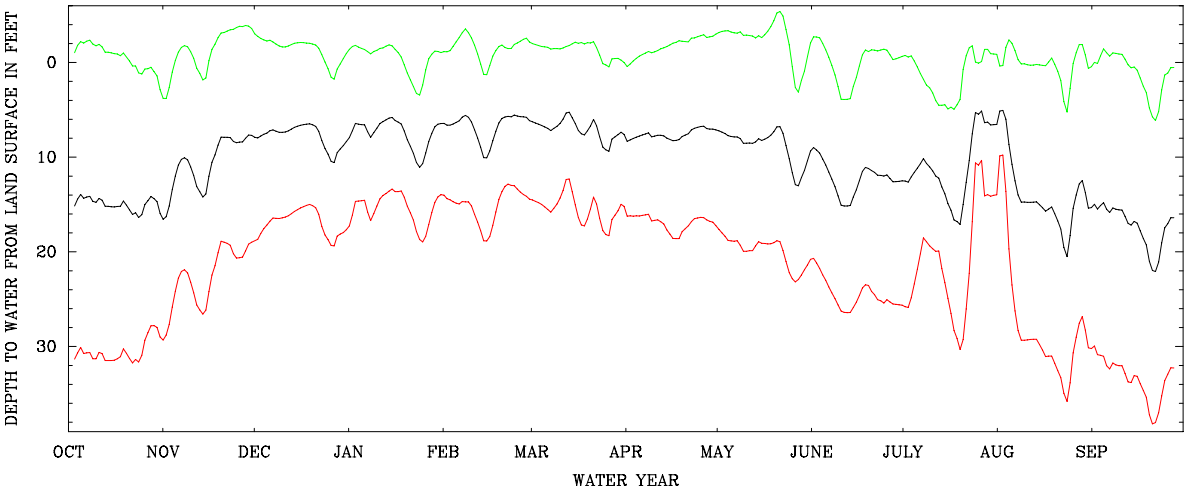
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AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 430047084333801
PERIOD OF ADAPS RECORD, WATER YEARS 1964-1985, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 743.36 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 350 FT, PRIMARY AQUIFER DESIGNATION:SAGINAW FORMATION
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

08N 01W 13BC01 CLINTON CO (VILLAGE OF ELSIE)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER

\+ GWSI TAPE-DOWN MEASUREMENTS

AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

F THE SITE WAS FLOWING, BUT THE HEAD COULD NOT BE MEASURED WITH

USGS STATION 430454084230901

PERIOD OF ADAPS RECORD, WATER YEARS 1947-1952, PLOT GENERATED 2/22/2006

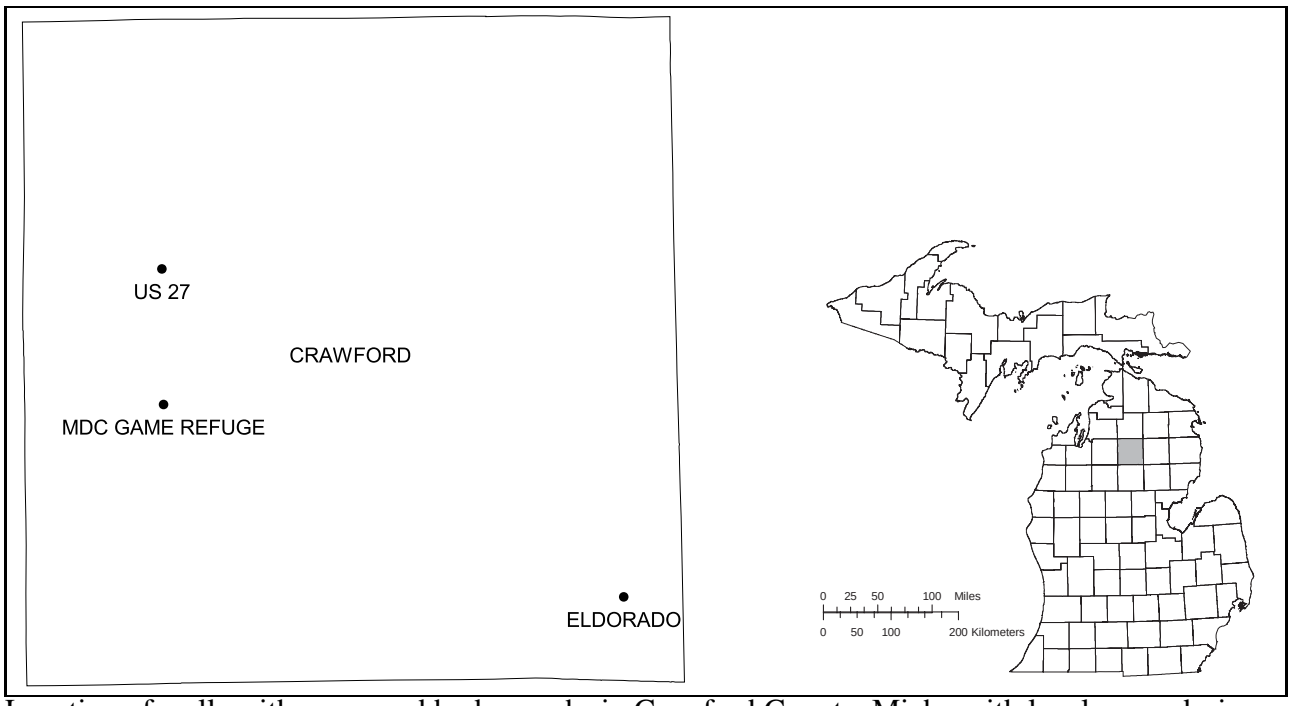
ALTITUDE OF LAND SURFACE IS 699.68 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.

DEPTH OF WELL IS 298 FT, PRIMARY AQUIFER DESIGNATION:SAGINAW FORMATION

FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT

USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

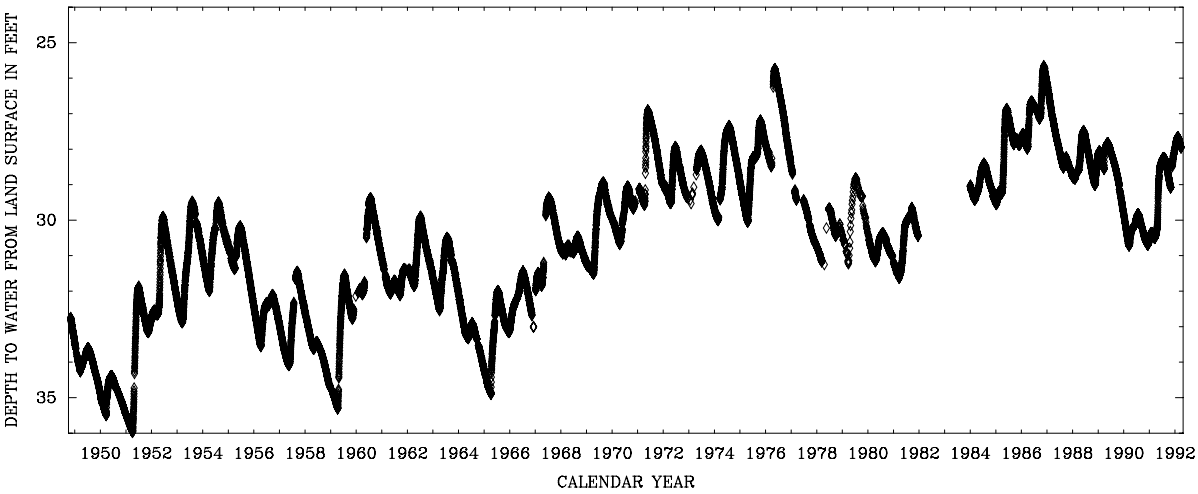
Crawford County

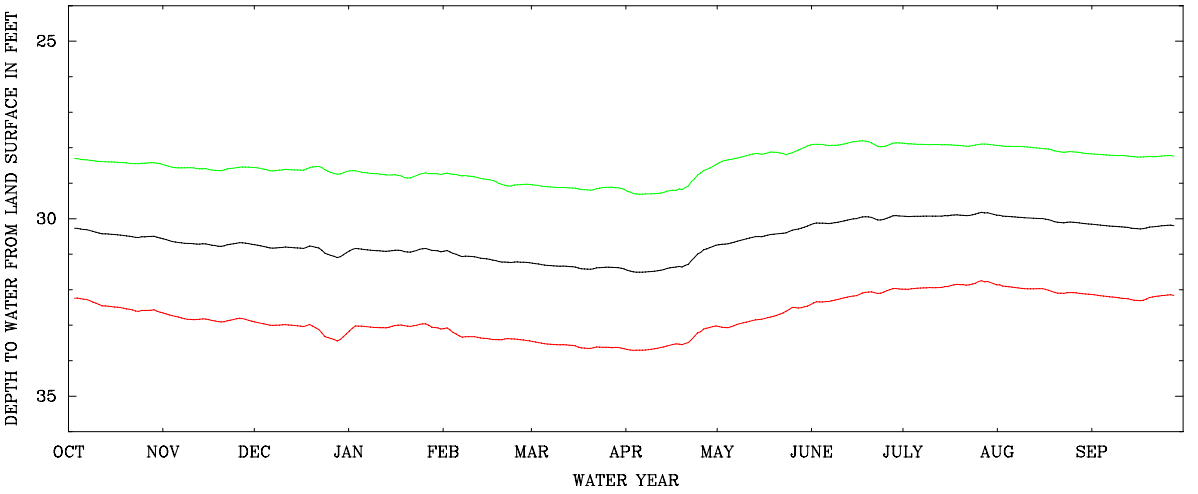


Location of wells with recovered hydrographs in Crawford County, Mich., with local name designation.

USGS STATION No.	USGS STATION NAME
443308084245001	25N 01W 15DDCD01 CRAWFORD CO (ELDORADO)
443925084445301	26N 04W 11CBBC 01 CRAWFORD CO (MDC GAME REFUGE)
443926084495201	27N 04W 23AAAA 01 CRAWFORD CO (US 27)

25N 01W 15DDCD01 CRAWFORD CO (ELDORADO)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER

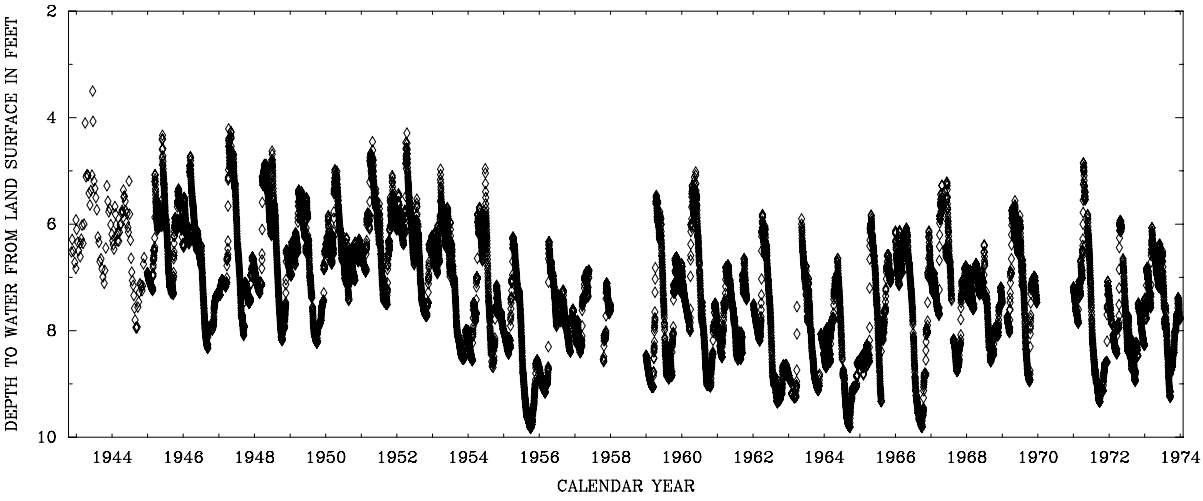
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

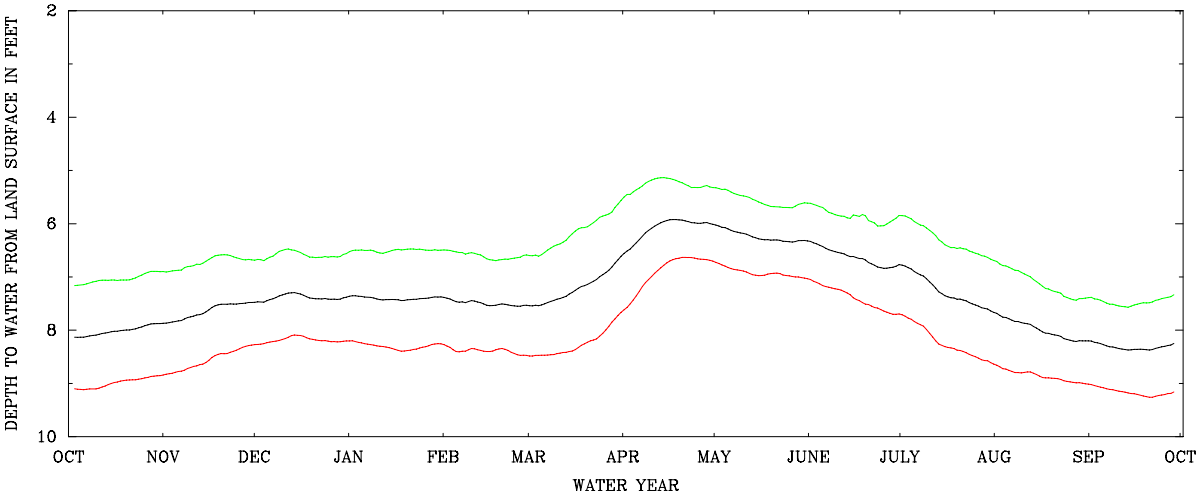
5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 443308084245001
PERIOD OF ADAPS RECORD, WATER YEARS 1949-1992, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 1190 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 56 FT, PRIMARY AQUIFER DESIGNATION:GLACIAL DEPOSITS,UNDIFFERENTIATED
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

26N 04W 11CBBC 01 CRAWFORD CO (MDC GAME REFUGE)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER

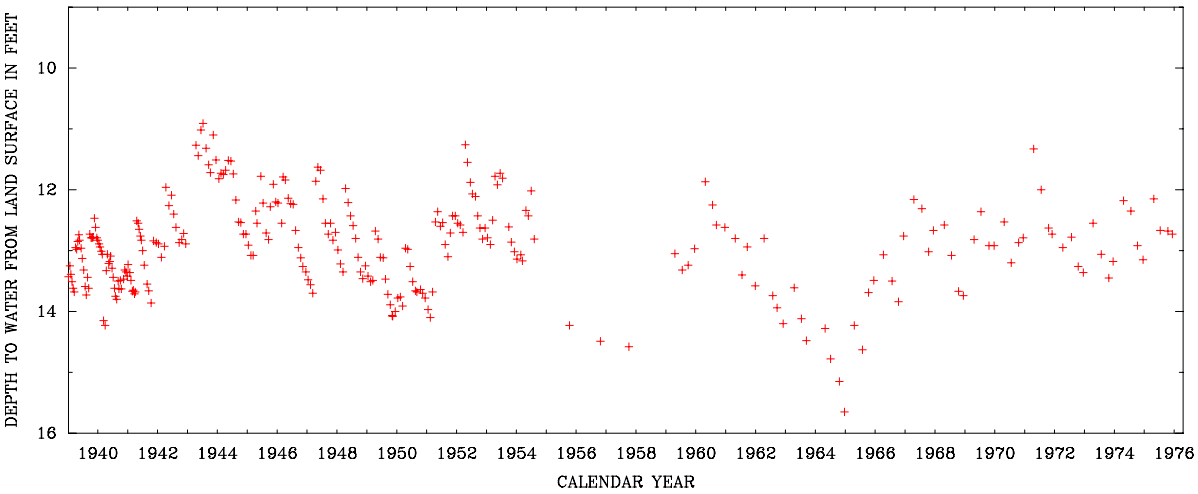
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 443925084445301
PERIOD OF ADAPS RECORD, WATER YEARS 1943-1974, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 1147.59 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 12.0 FT, PRIMARY AQUIFER DESIGNATION:GLACIAL DEPOSITS,UNDIFFERENTIATED
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

27N 04W 23AAAA 01 CRAWFORD CO (US 27)



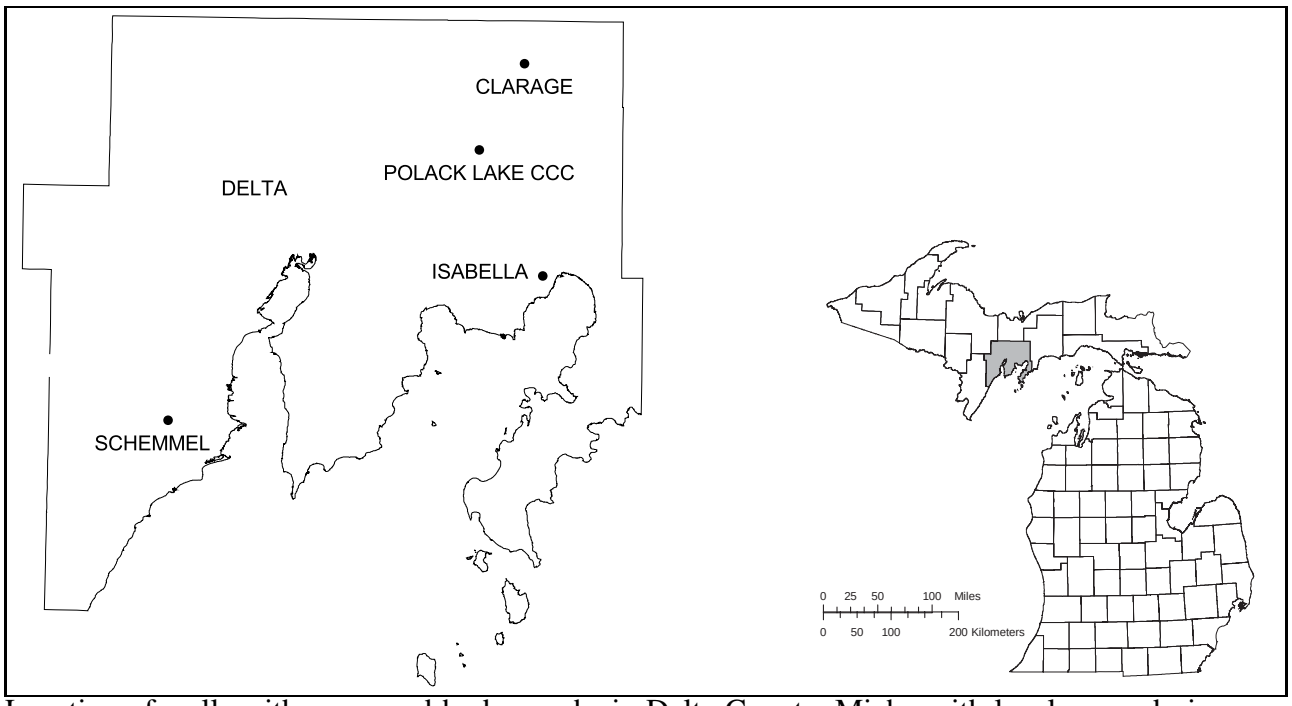
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 443926084495201
PERIOD OF RECORD, WATER YEARS 1939-1976, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 1180 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 17.0 FT, PRIMARY AQUIFER DESIGNATION:GLACIAL DEPOSITS,UNDIFFERENTIATED
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

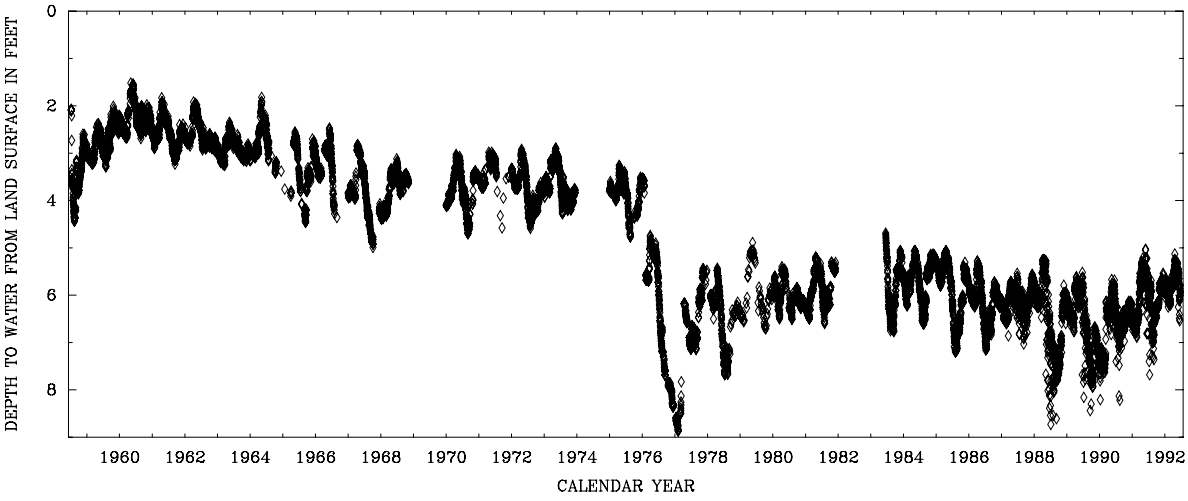
Delta County

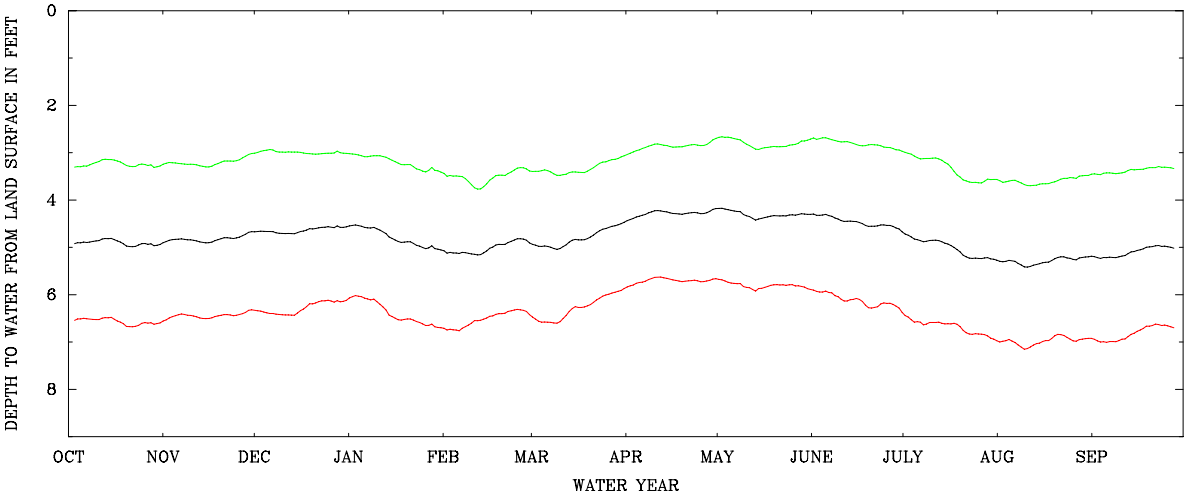


Location of wells with recovered hydrographs in Delta County, Mich., with local name designation.

USGS STATION No.	USGS STATION NAME
454446087090401	39N 23W 28ACCC01 DELTA CO (SCHEMMEL WELL)
455352086362001	41N 18W 31CDDD 01 DELTA CO (ISABELLA)
460134086420201	42N 19W 20AAAC 01 DELTA CO (POLACK LAKE CCC)
460653086380701	43N 19W 24BB 01 DELTA CO (CLARAGE)

39N 23W 28ACCC01 DELTA CO (SCHEMMEL WELL)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER

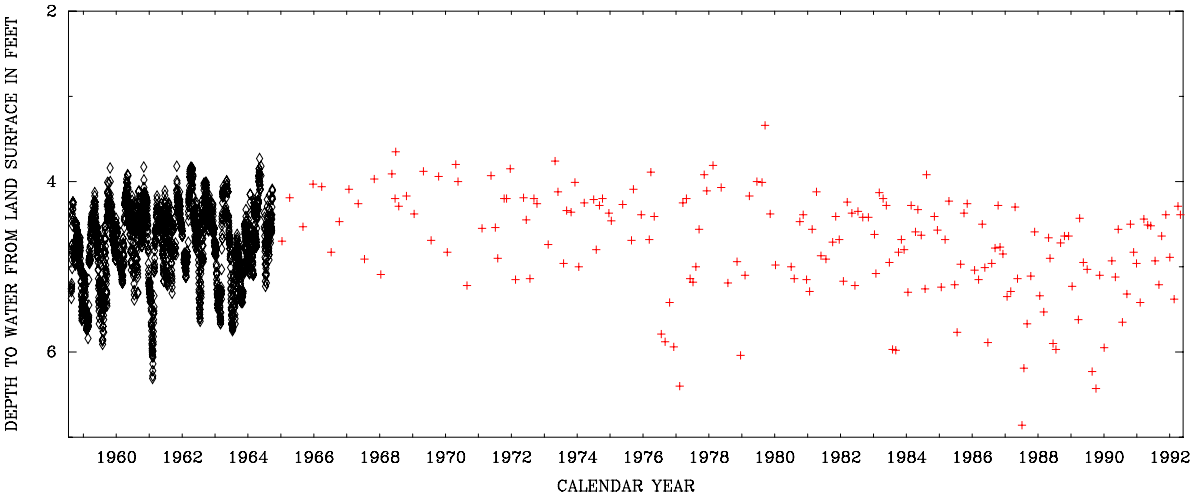
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

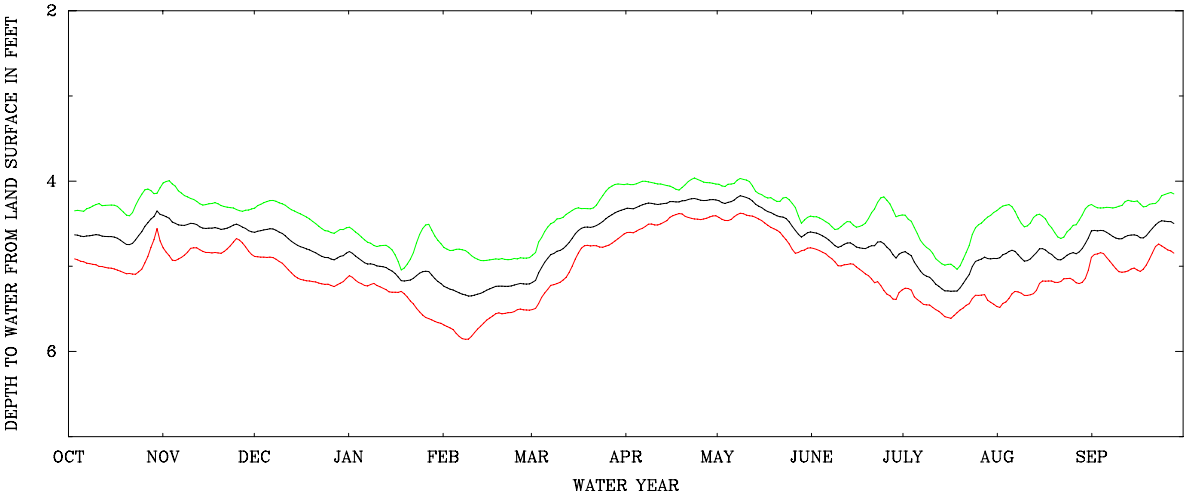
5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 454446087090401
PERIOD OF ADAPS RECORD, WATER YEARS 1958-1992, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 680 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 530 FT, PRIMARY AQUIFER DESIGNATION:MUNISING SANDSTONE
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

41N 18W 31CDDD 01 DELTA CO (ISABELLA)





EXPLANATION

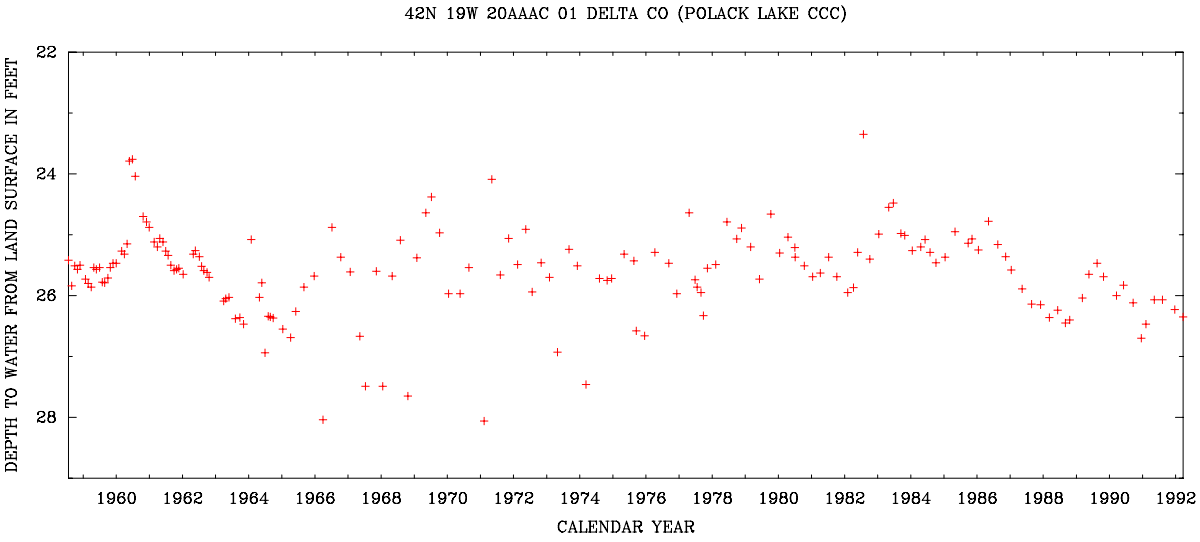
◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS

AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 455352086362001
PERIOD OF ADAPS RECORD, WATER YEARS 1958-1964, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 620 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 250 FT, PRIMARY AQUIFER DESIGNATION:RICHMONDIAN STAGE
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

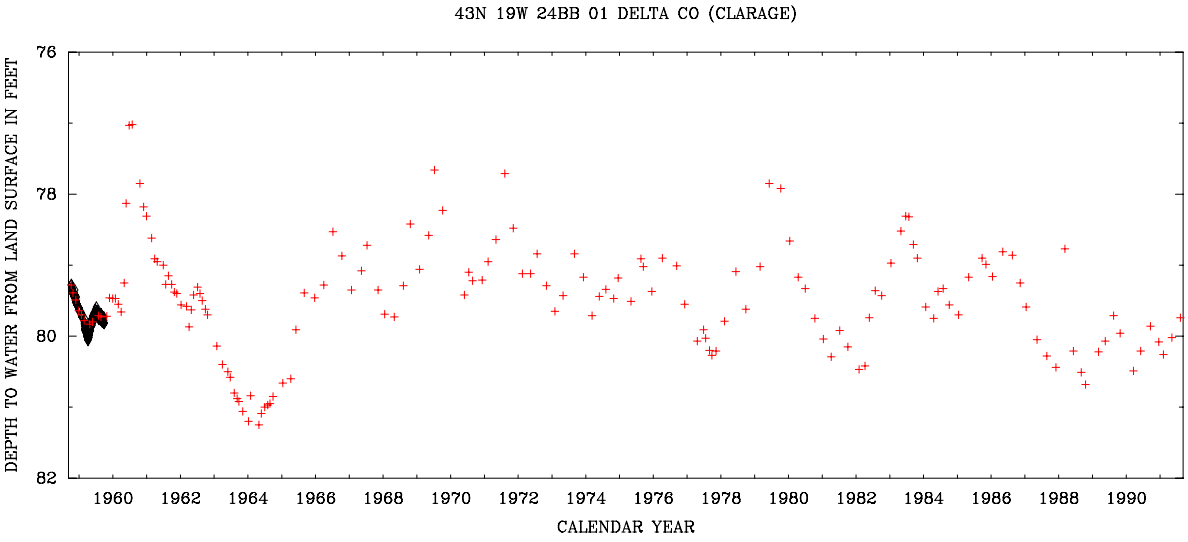


EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 460134086420201
PERIOD OF RECORD, WATER YEARS 1958-1992, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 740 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 134 FT, PRIMARY AQUIFER DESIGNATION:GLACIAL DEPOSITS,UNDIFFERENTIATED
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903



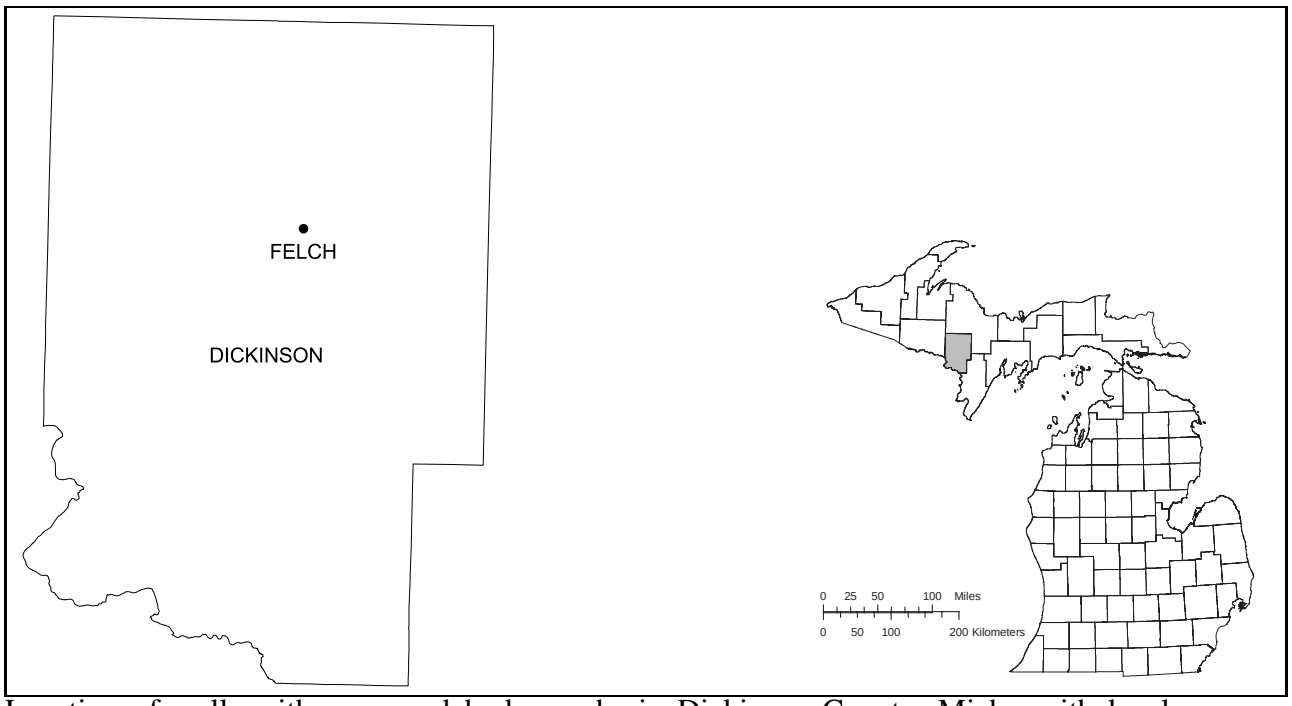
EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS

PERIOD OF ADAPS RECORD TOO SHORT TO GENERATE
MEANINGFUL WATER-YEAR SUMMARY

USGS STATION 460653086380701
PERIOD OF ADAPS RECORD, WATER YEARS 1959-1959, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 860 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 405 FT, PRIMARY AQUIFER DESIGNATION:COLLINGWOOD FORMATION
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

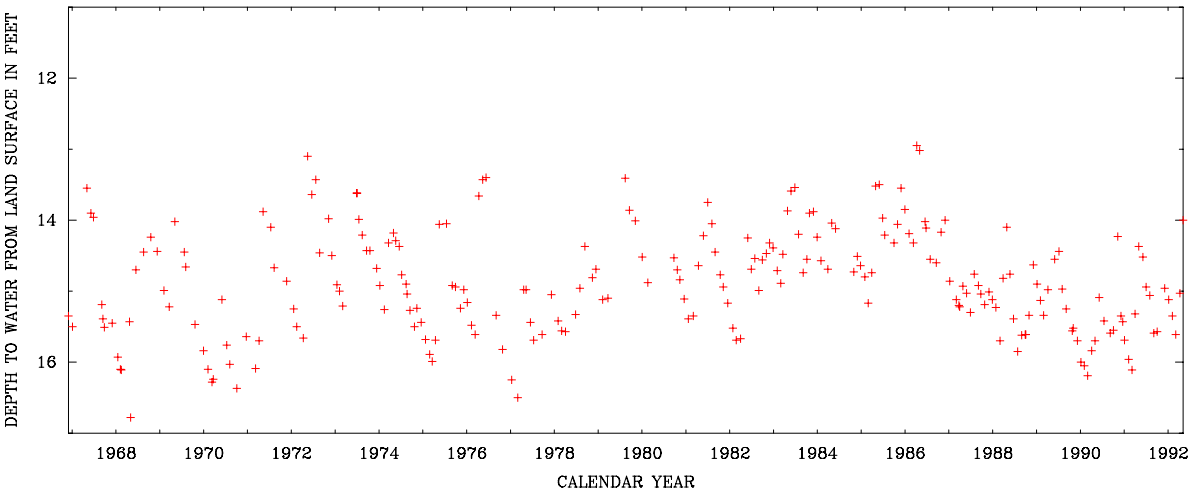
Dickinson County



Location of wells with recovered hydrographs in Dickinson County, Mich., with local name designation.

USGS STATION No.	USGS STATION NAME
460458087493901	48N 28W 32ADAB01 DICKINSON CO (FELCH)

48N 28W 32ADAB01 DICKINSON CO (FELCH)



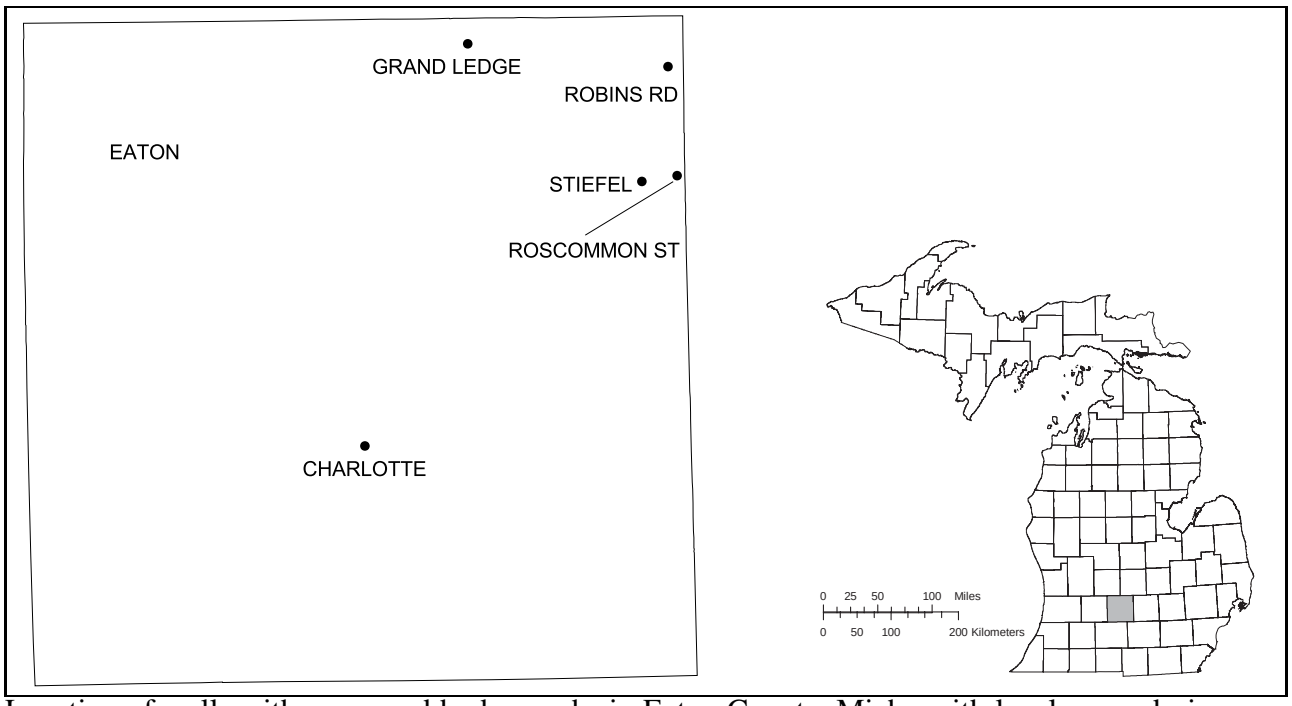
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

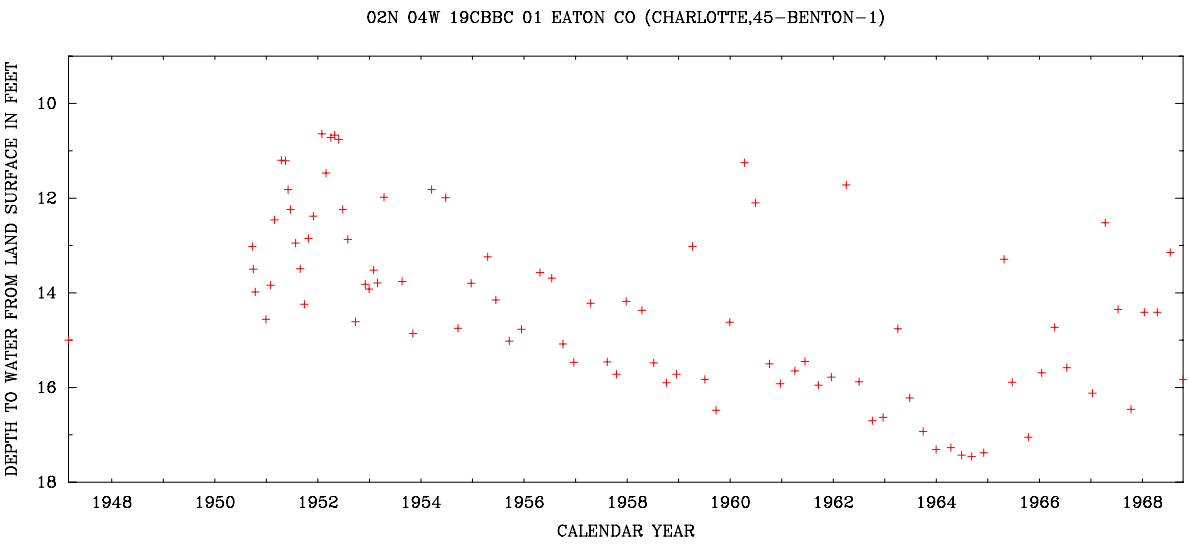
USGS STATION 460458087493901
PERIOD OF RECORD, WATER YEARS 1967-1992, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 1175 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 42.0 FT, PRIMARY AQUIFER DESIGNATION:SAND
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

Eaton County



Location of wells with recovered hydrographs in Eaton County, Mich., with local name designation.

USGS STATION No.	USGS STATION NAME
423244084500501	02N 04W 19CBBC 01 EATON CO (CHARLOTTE,45-BENTON-1)
424058084380301	03N 03W 02BAAB 01 EATON CO (STIEFEL)
424108084363201	04N 03W 36DCAD 01 EATON CO. (ROSCOMMON ST)
424435084365001	04N 03W 12CD 01 EATON CO (ROBINS RD)
424524084452501	04N 04W 02 CCDC01 EATON CO (GRAND LEDGE)



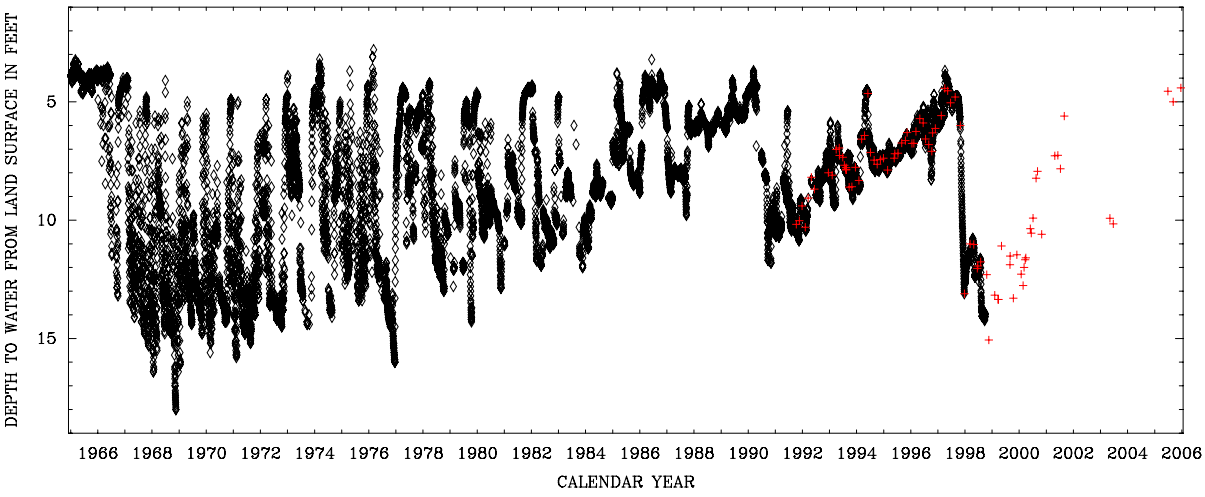
EXPLANATION

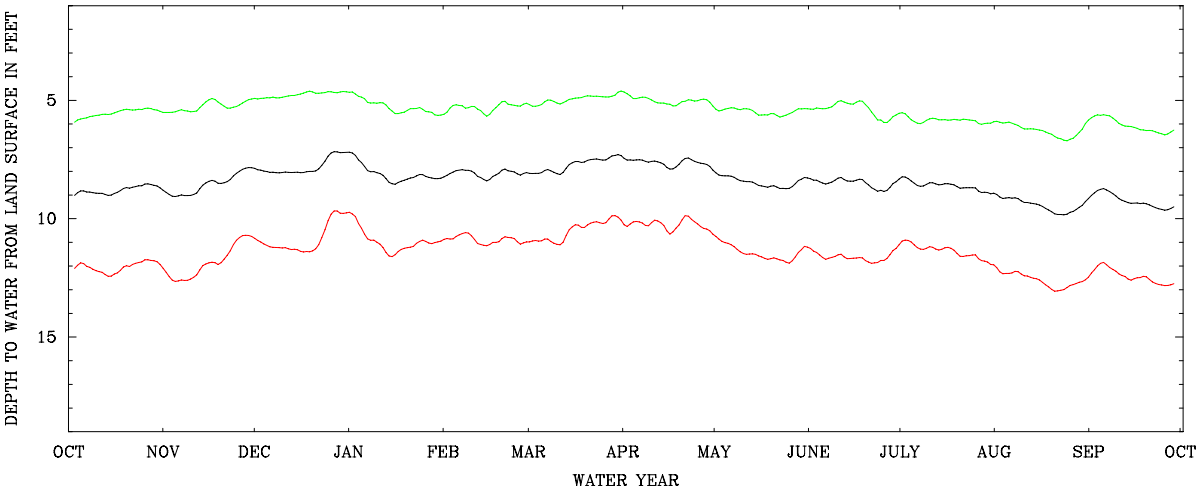
+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 423244084500501
PERIOD OF RECORD, WATER YEARS 1947-1969, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 890 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 25.0 FT, PRIMARY AQUIFER DESIGNATION:OUTWASH
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

03N 03W 02BAAB 01 EATON CO (STIEFEL)





EXPLANATION

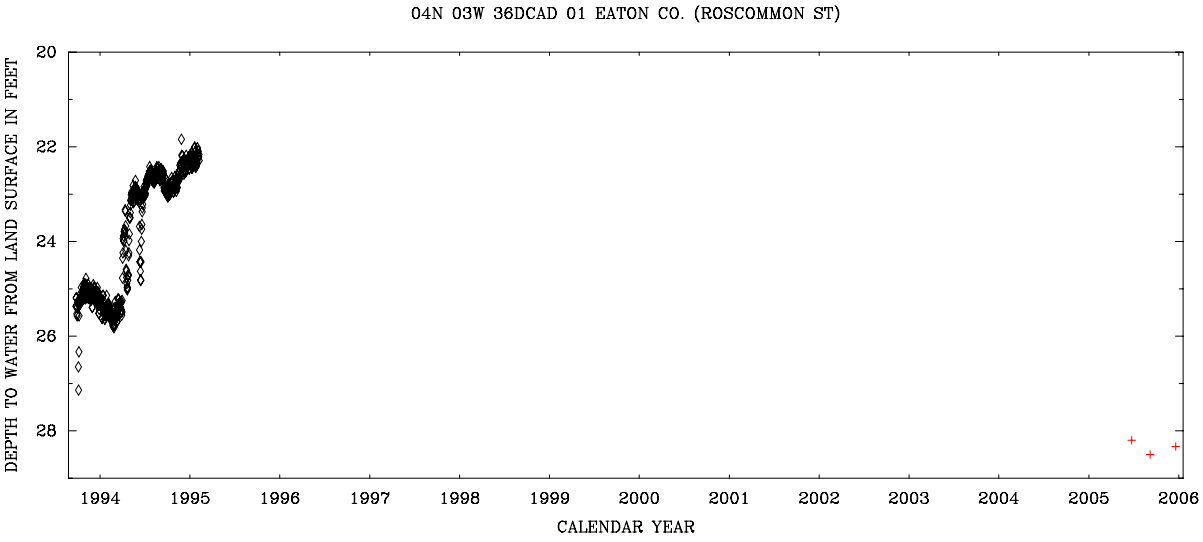
◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS

AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 424058084380301
PERIOD OF ADAPS RECORD, WATER YEARS 1965-1998, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 839.00 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903



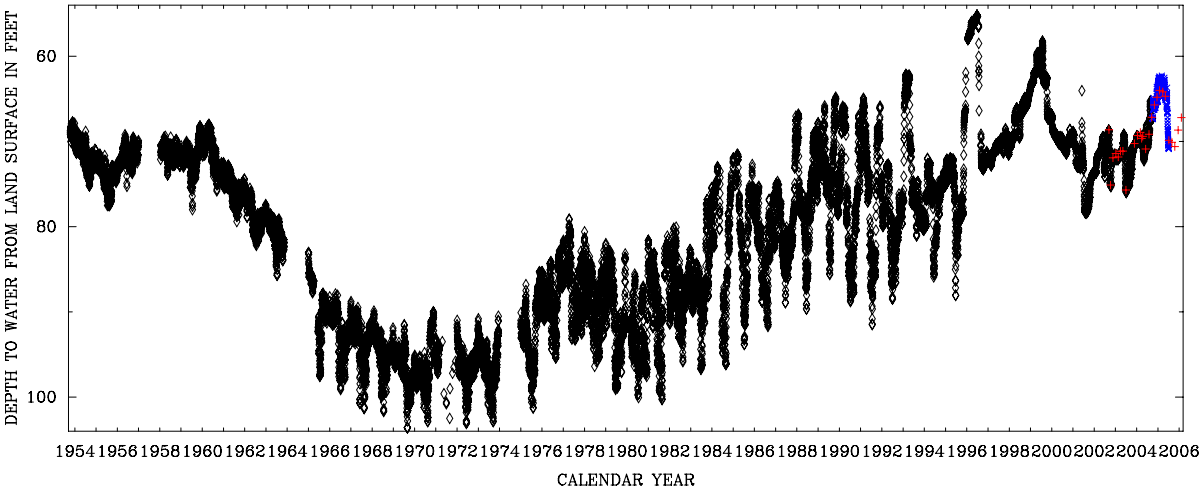
EXPLANATION

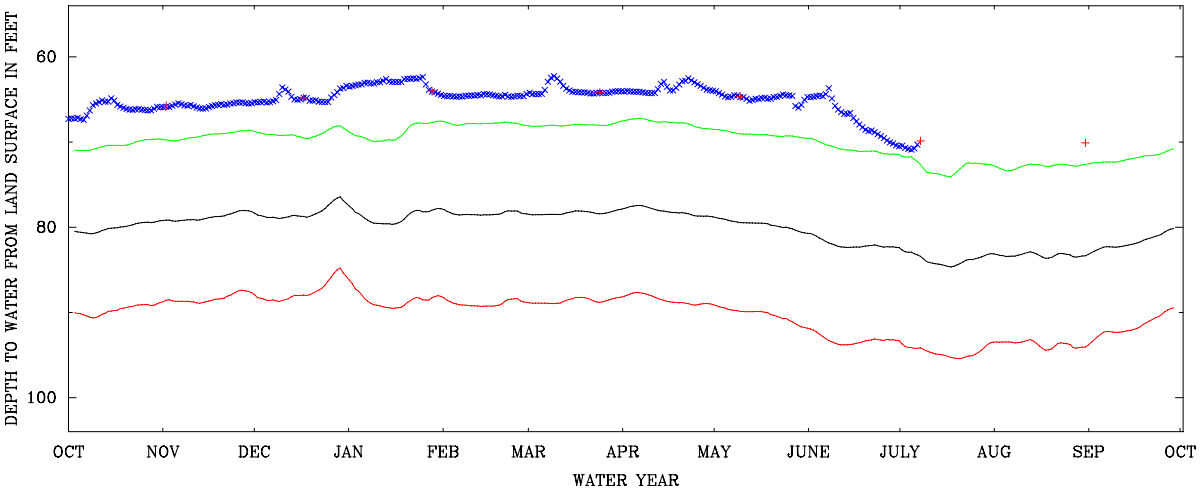
◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS

PERIOD OF ADAPS RECORD TOO SHORT TO GENERATE
MEANINGFUL WATER-YEAR SUMMARY

USGS STATION 424108084363201
PERIOD OF ADAPS RECORD, WATER YEARS 1993-1995, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 878 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS FT, PRIMARY AQUIFER DESIGNATION:SAGINAW FORMATION
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

04N 03W 12CD 01 EATON CO (ROBINS RD)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS
× 2005 DAILY MAXIMUM DEPTH TO WATER
PROVISIONAL DATA SUBJECT TO REVISION

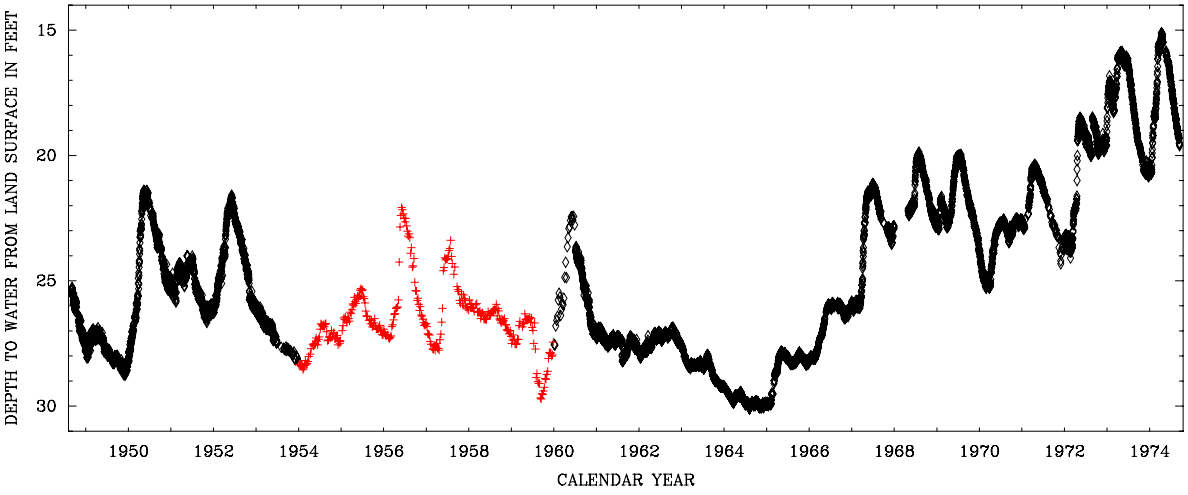
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

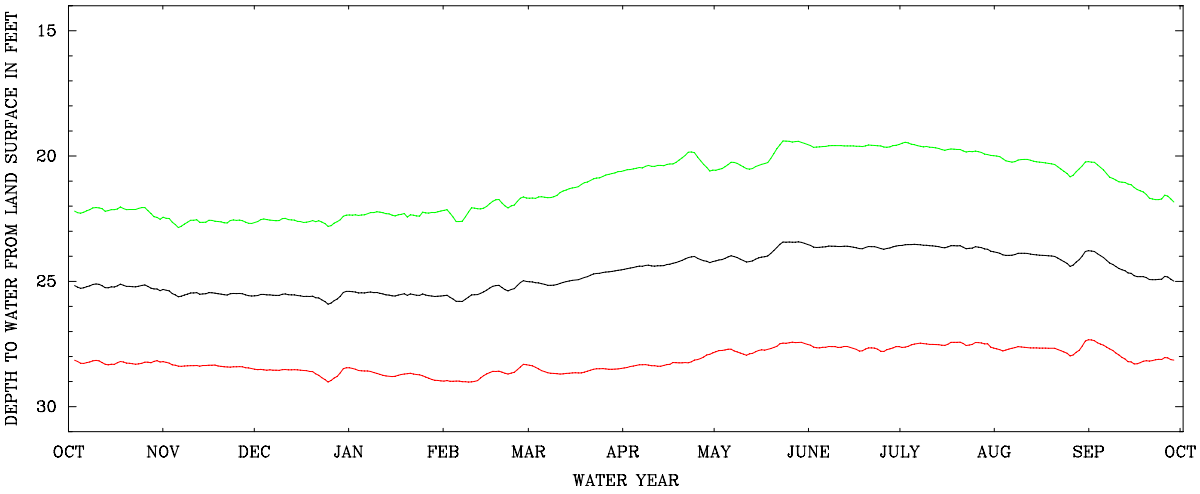
5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 424435084365001
PERIOD OF ADAPS RECORD, WATER YEARS 1954-2005, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 861.91 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 381 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

04N 04W 02 CCDC01 EATON CO (GRAND LEDGE)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS

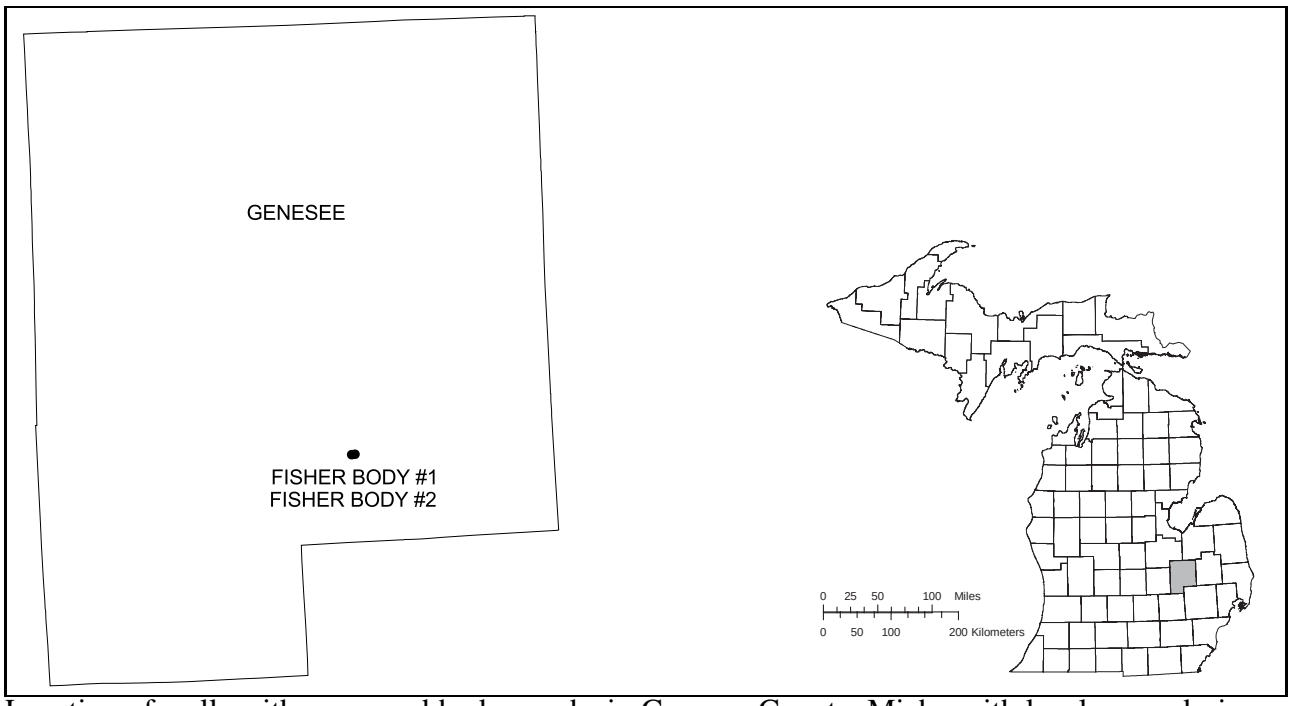
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 424524084452501
PERIOD OF ADAPS RECORD, WATER YEARS 1948-1974, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 846.59 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 376 FT, PRIMARY AQUIFER DESIGNATION:SAGINAW FORMATION
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

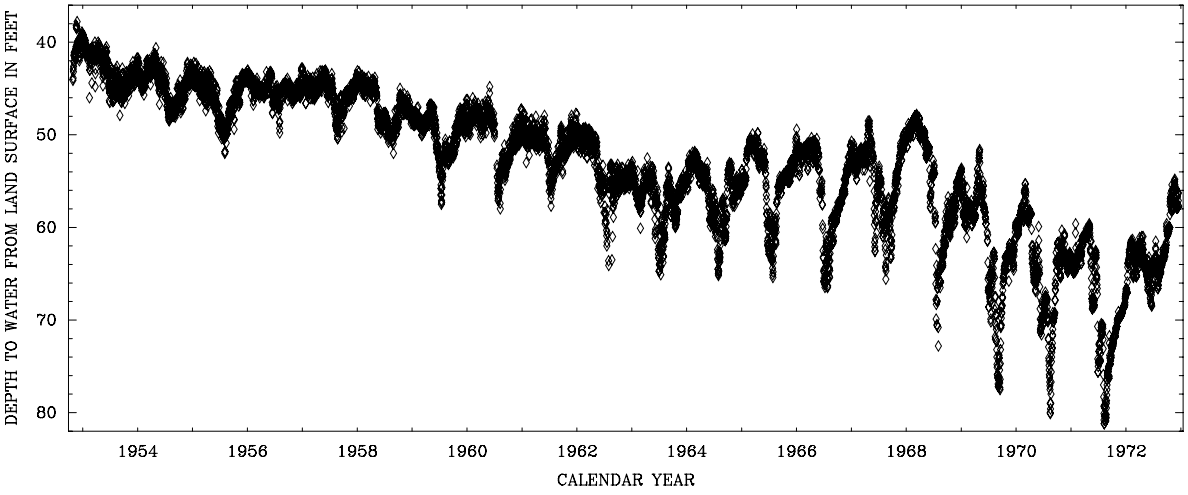
Genesee County

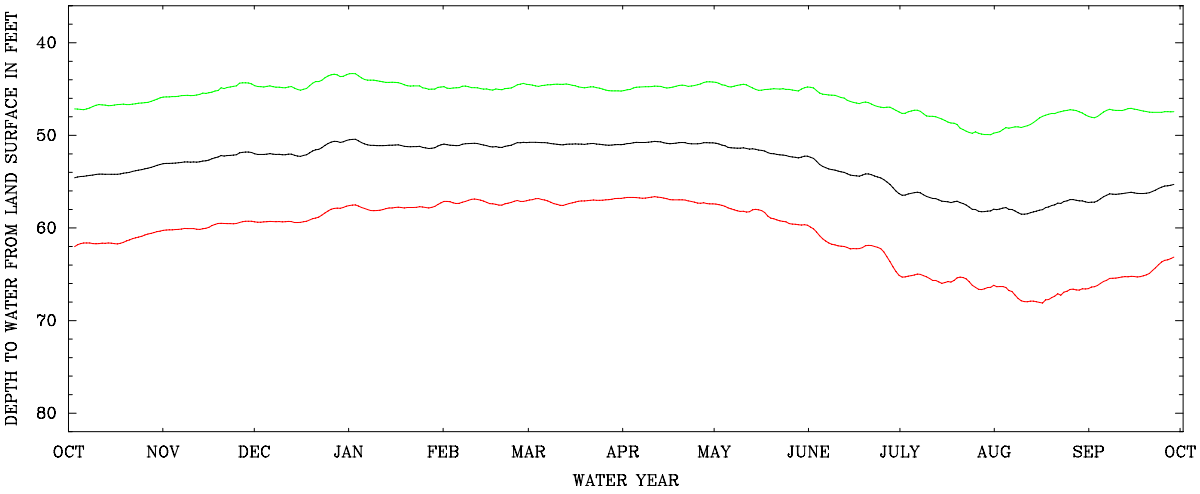


Location of wells with recovered hydrographs in Genesee County, Mich., with local name designation.

USGS STATION No.	USGS STATION NAME
425552083381801	06N 07E 09DCDD01 GENESEE CO (FISHER BODY #1 WELL)
425552083382801	06N 07E 09DCCC01 GENESEE CO (FISHER BODY #2 WELL)

06N 07E 09DCDD01 GENESEE CO (FISHER BODY #1 WELL)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER

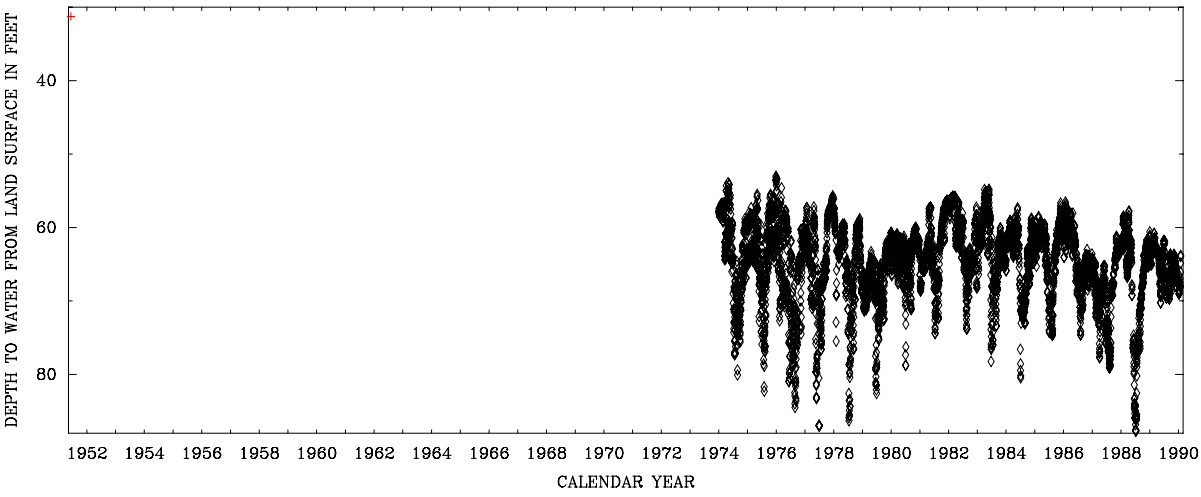
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

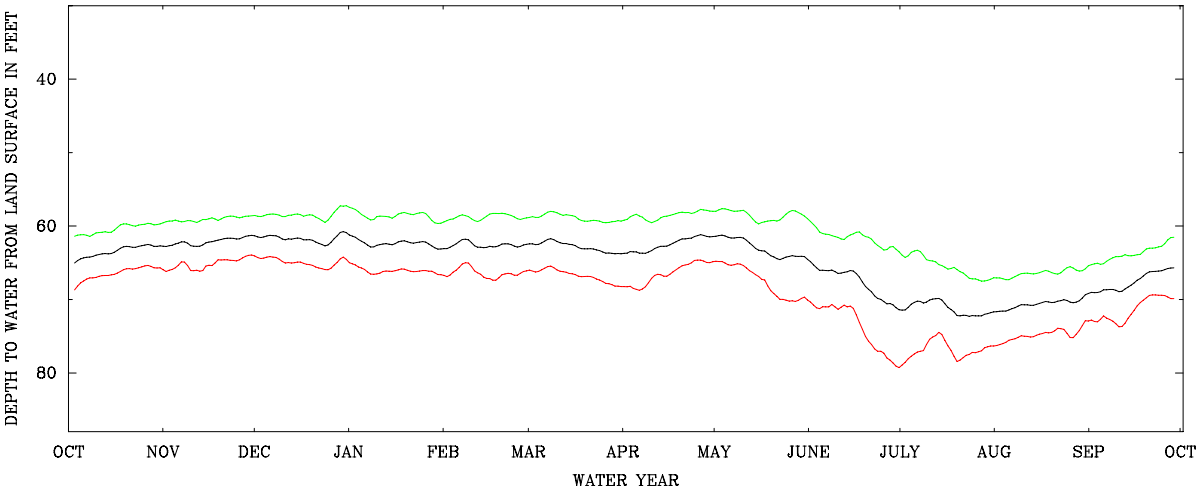
5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 425552083381801
PERIOD OF ADAPS RECORD, WATER YEARS 1953-1973, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 841.71 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 235 FT, PRIMARY AQUIFER DESIGNATION:SAGINAW FORMATION
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

06N 07E 09DCCC01 GENESEE CO (FISHER BODY #2 WELL)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS

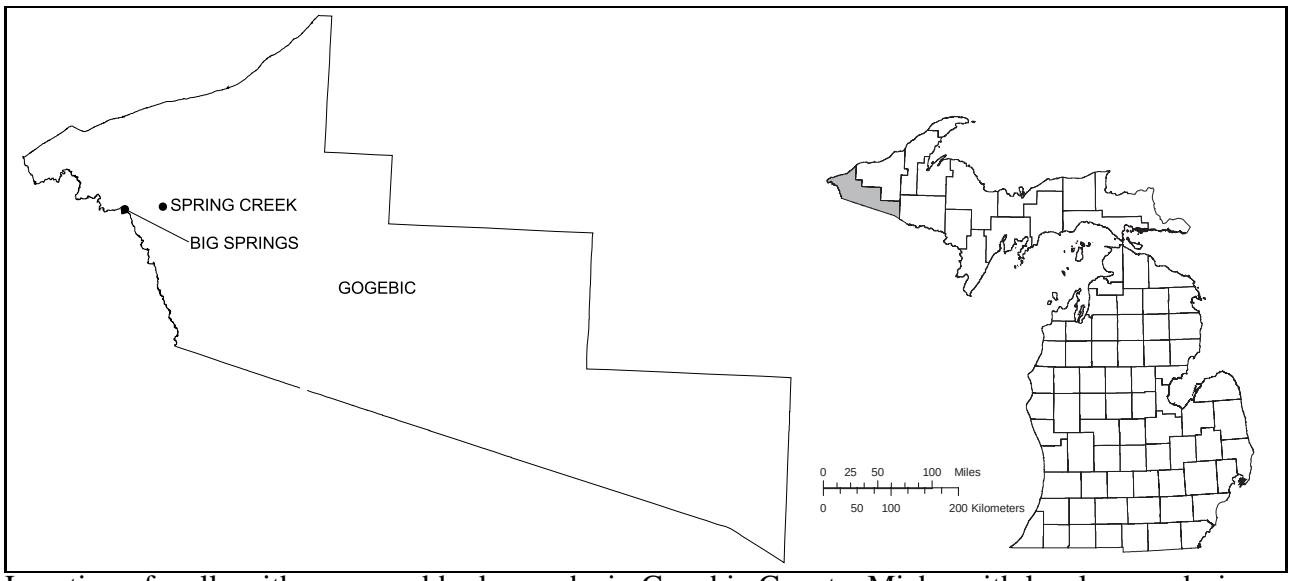
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 425552083382801
PERIOD OF ADAPS RECORD, WATER YEARS 1974-1990, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 837 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 385 FT, PRIMARY AQUIFER DESIGNATION:SAGINAW FORMATION
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

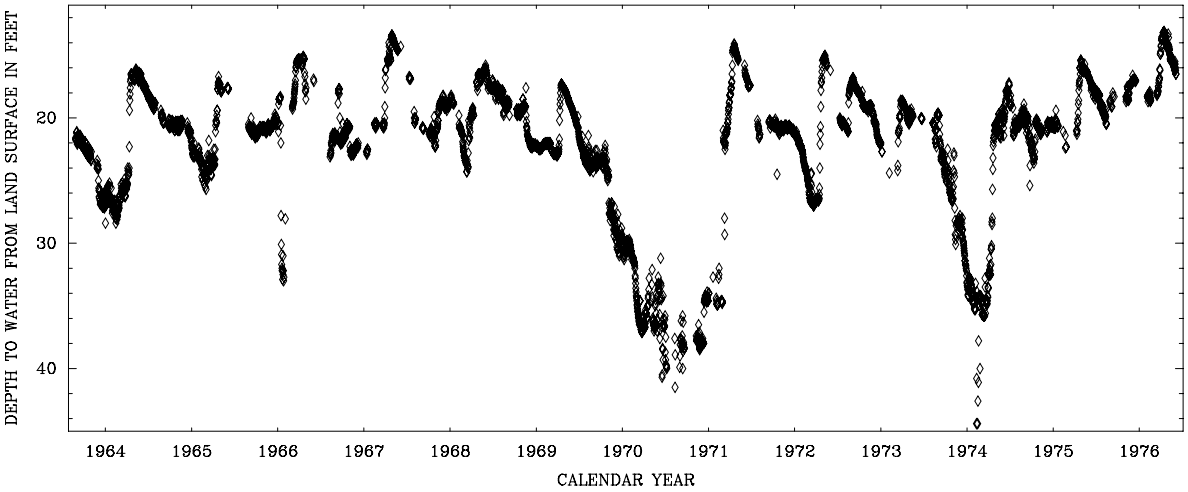
Gogebic County

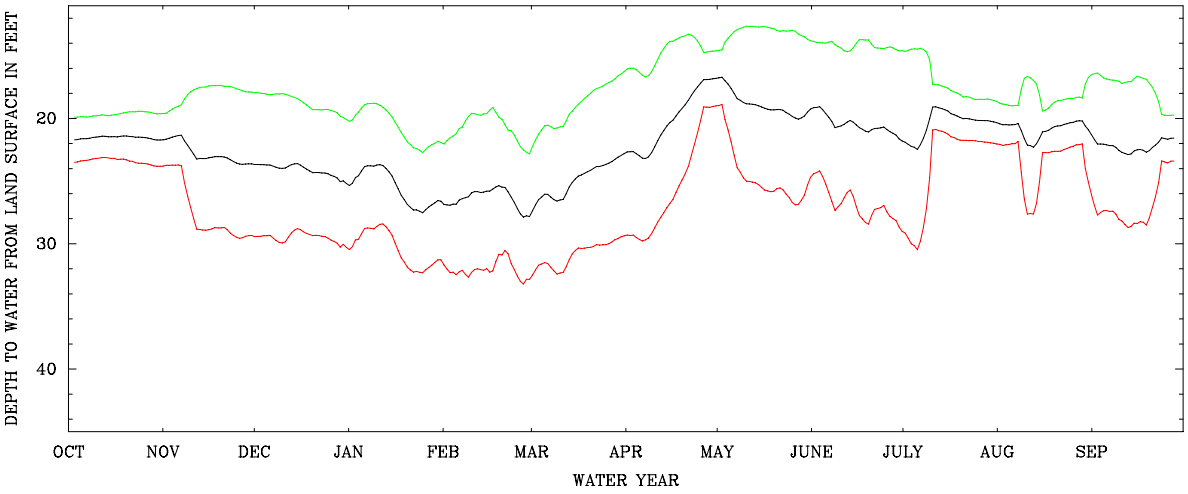


Location of wells with recovered hydrographs in Gogebic County, Mich., with local name designation.

USGS STATION No.	USGS STATION NAME
463026090133301	48N 47W 31DCDC 01 GOGEBIC CO (BIG SPRINGS WELL)
463046090092401	48N 47W 34DAAA01 GOGEBIC CO (SPRING CREEK WELL)

48N 47W 31DCDC 01 GOGEBIC CO (BIG SPRINGS WELL)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER

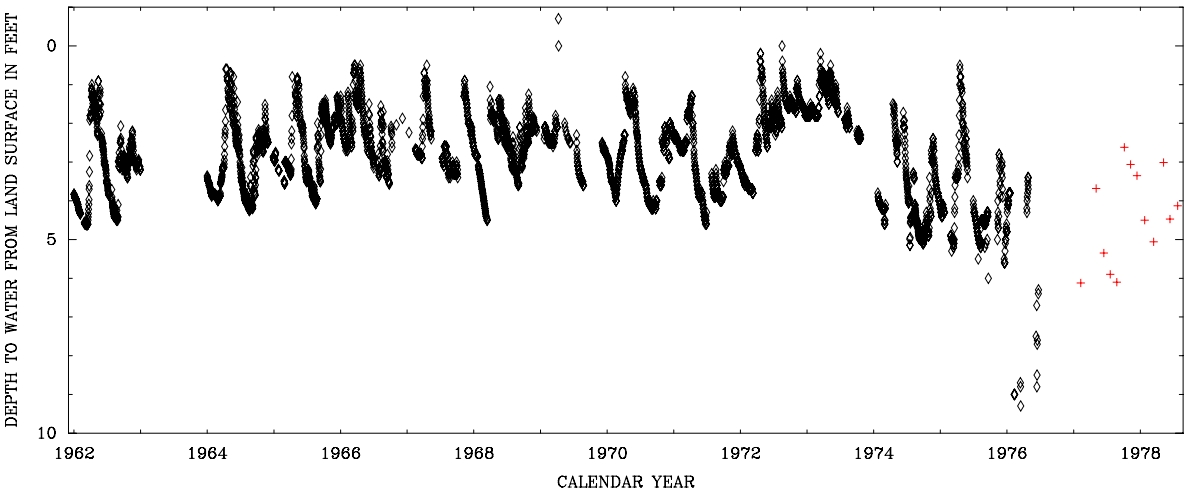
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

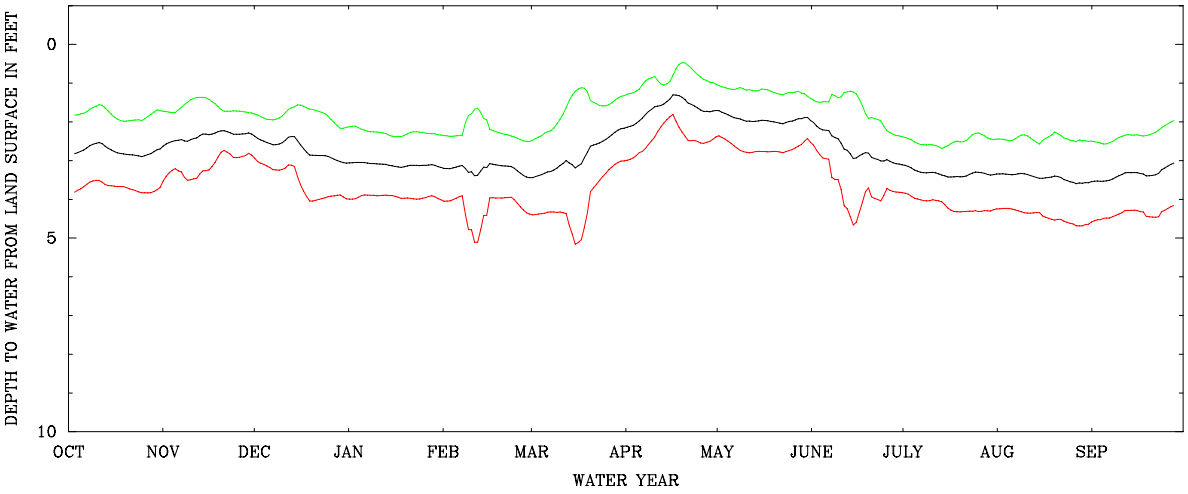
5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 463026090133301
PERIOD OF ADAPS RECORD, WATER YEARS 1963-1976, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 1198 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 115 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

48N 47W 34DAAA01 GOGEBIC CO (SPRING CREEK WELL)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER

\+ GWSI TAPE-DOWN MEASUREMENTS

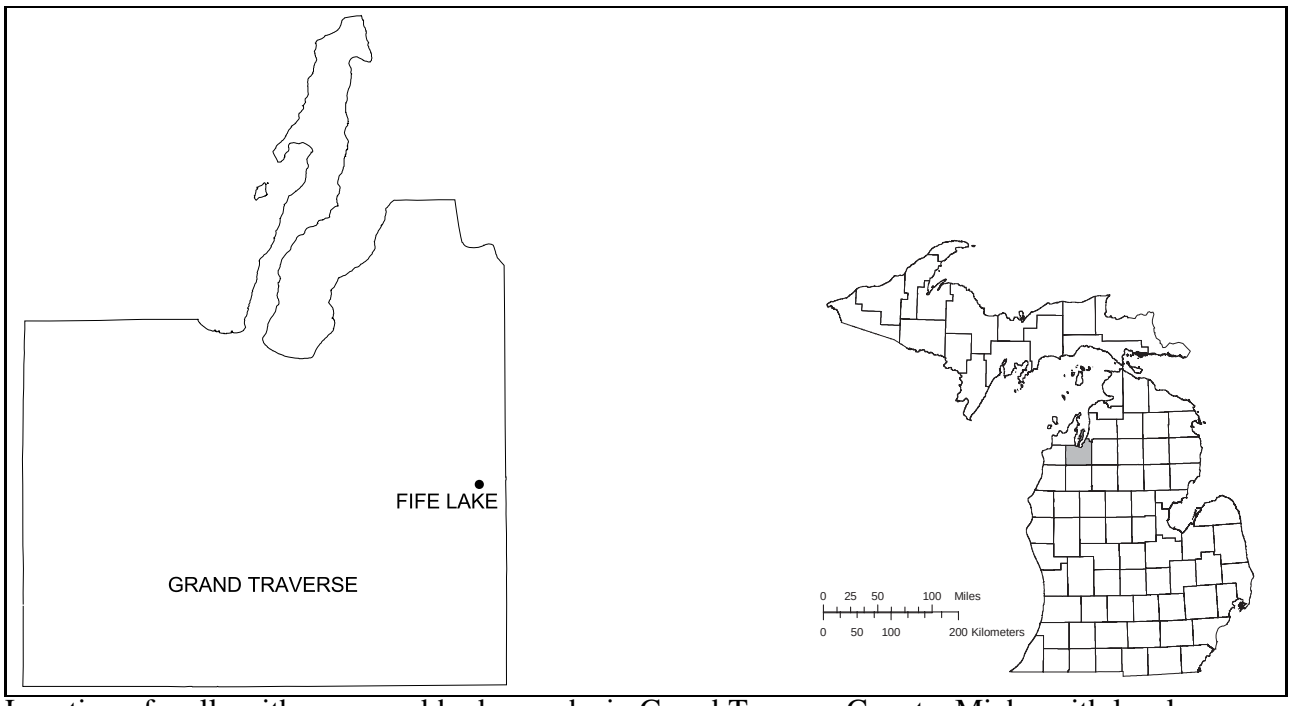
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

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AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 463046090092401
PERIOD OF ADAPS RECORD, WATER YEARS 1962-1976, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 1190 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 21 FT, PRIMARY AQUIFER DESIGNATION:SAND AND GRAVEL
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

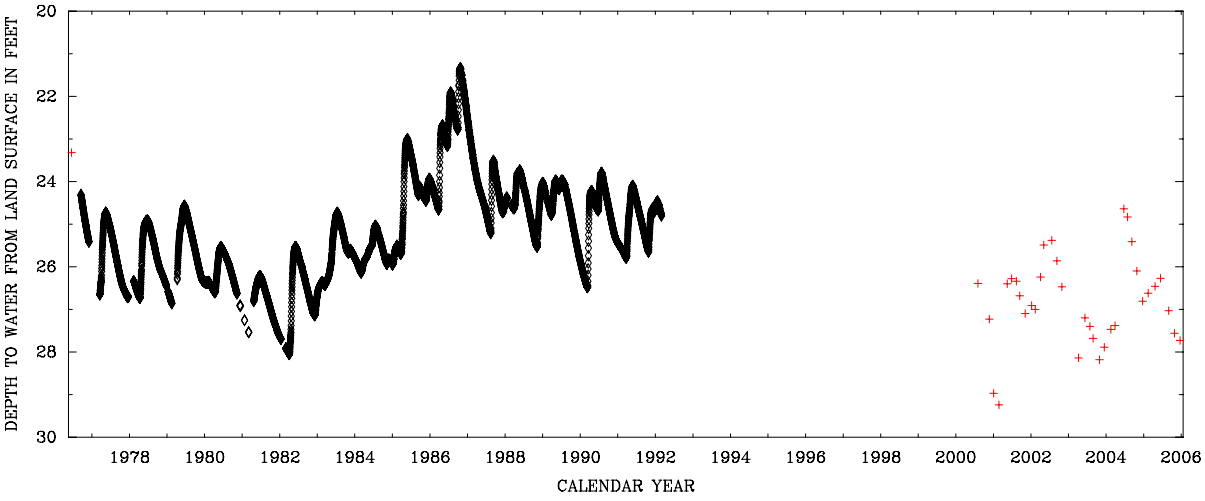
Grand Traverse County

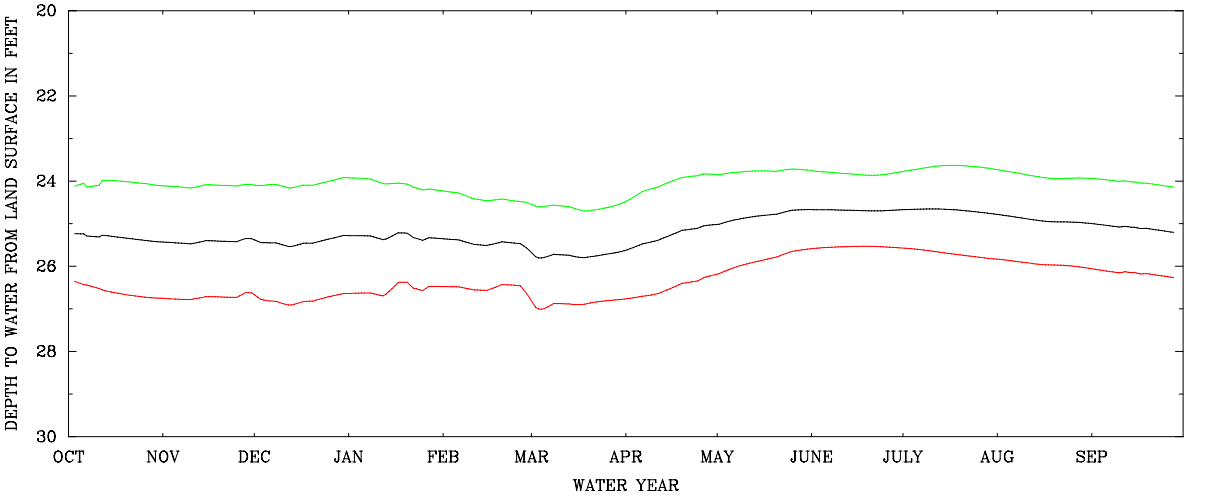


Location of wells with recovered hydrographs in Grand Traverse County, Mich., with local name designation.

USGS STATION No.	USGS STATION NAME
443921085213501	26N 09W 14ABAA01 GRAND TRAVERSE CO (FIFE LAKE)

26N 09W 14ABAA01 GRAND TRAVERSE CO (FIFE LAKE)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER

\+ GWSI TAPE-DOWN MEASUREMENTS

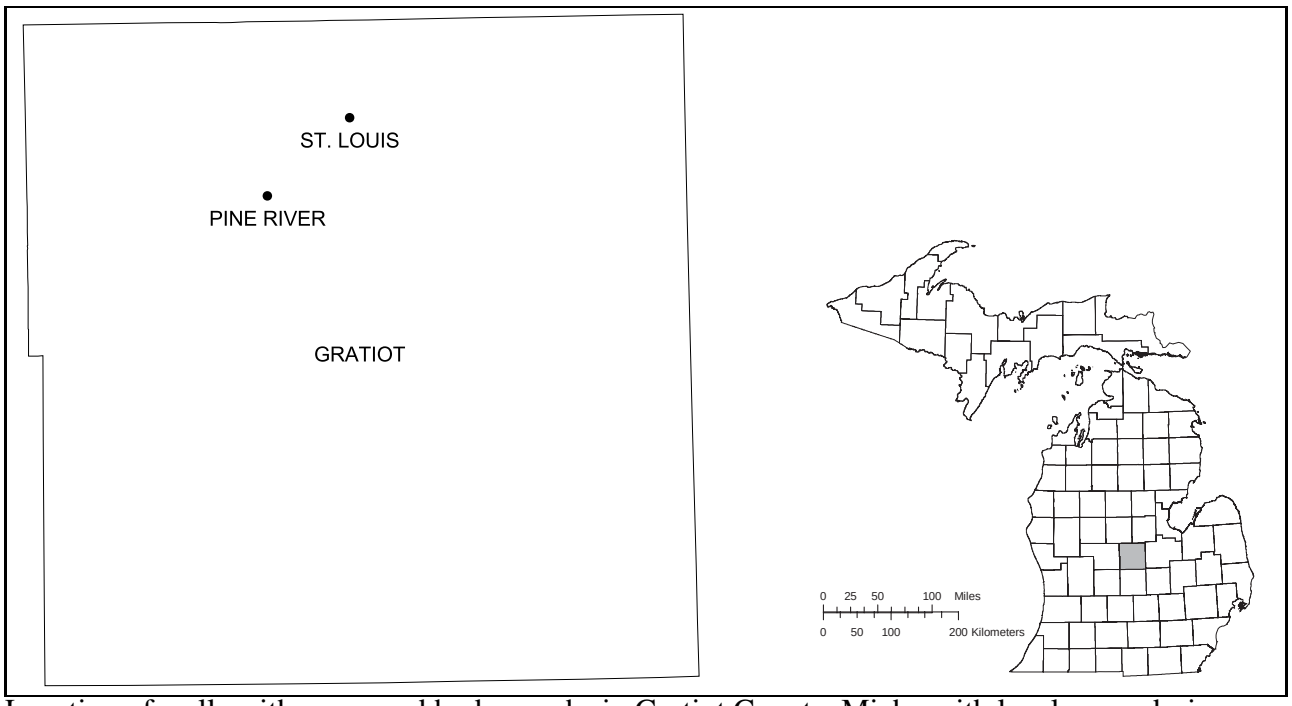
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

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AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 443921085213501
PERIOD OF ADAPS RECORD, WATER YEARS 1976-1992, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 960 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 80.0 FT, PRIMARY AQUIFER DESIGNATION:SAND
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

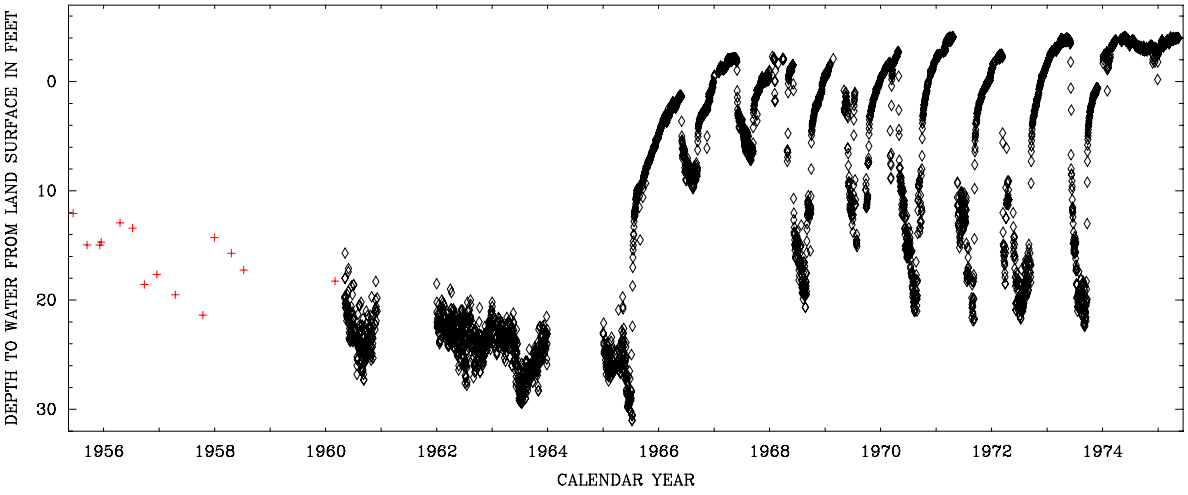
Gratiot County

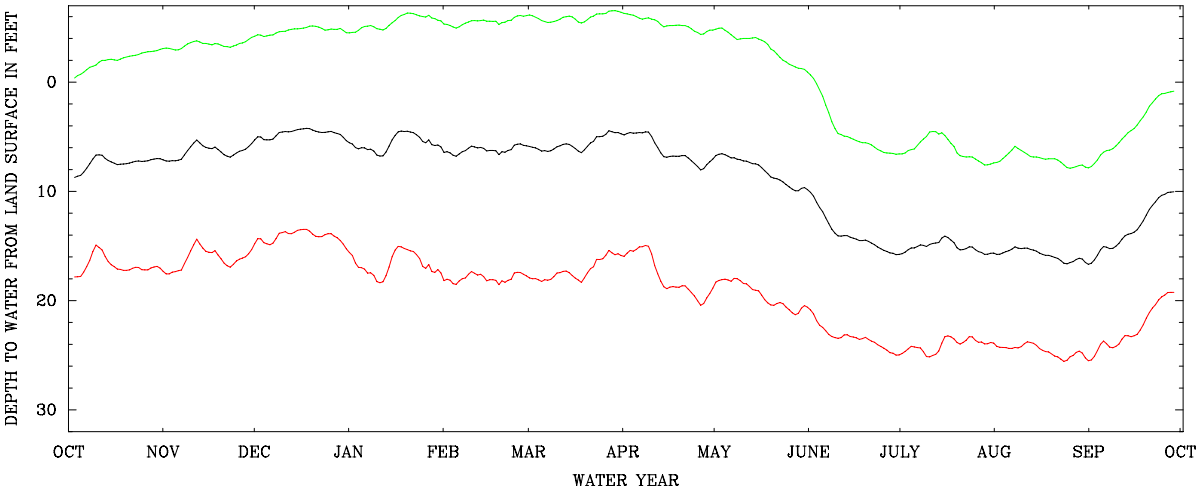


Location of wells with recovered hydrographs in Gratiot County, Mich., with local name designation.

USGS STATION No.	USGS STATION NAME
432228084401901	11N 03W 04AC 01 GRATIOT CO (PINE RIVER)
432452084364401	12N 03W 24DABB01 GRATIOT CO (ST. LOUIS)

11N 03W 04AC 01 GRATIOT CO (PINE RIVER)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER

\+ GWSI TAPE-DOWN MEASUREMENTS

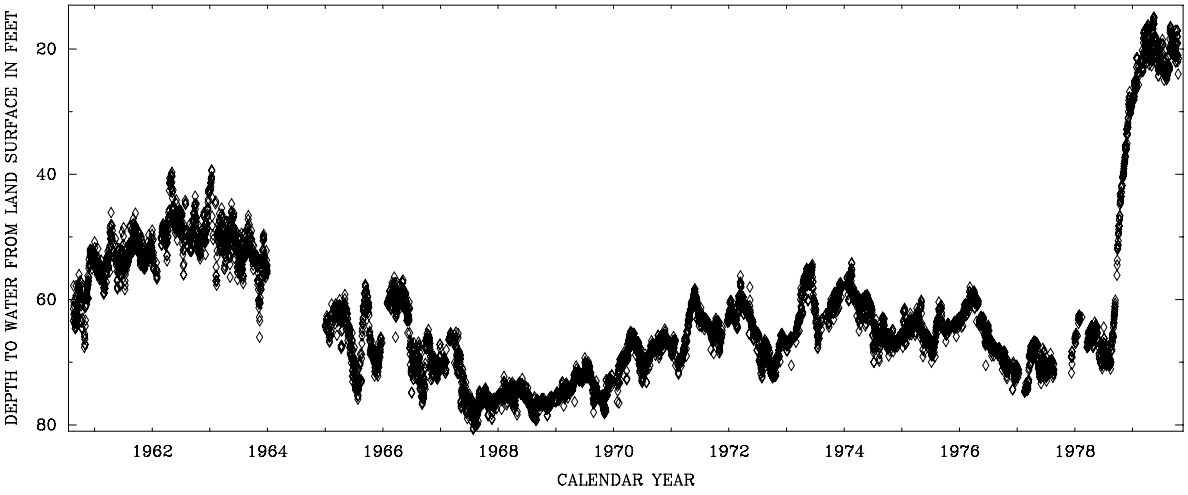
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

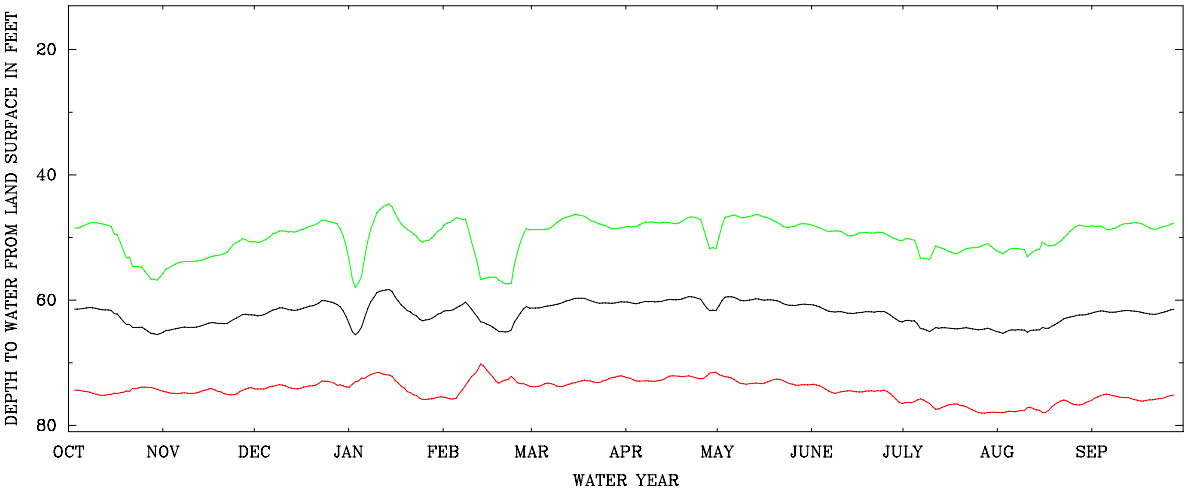
5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 432228084401901
PERIOD OF ADAPS RECORD, WATER YEARS 1960-1975, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 733.31 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 165 FT, PRIMARY AQUIFER DESIGNATION:GLACIAL DEPOSITS,UNDIFFERENTIATED
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

12N 03W 24DABB01 GRATIOT CO (ST. LOUIS)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER

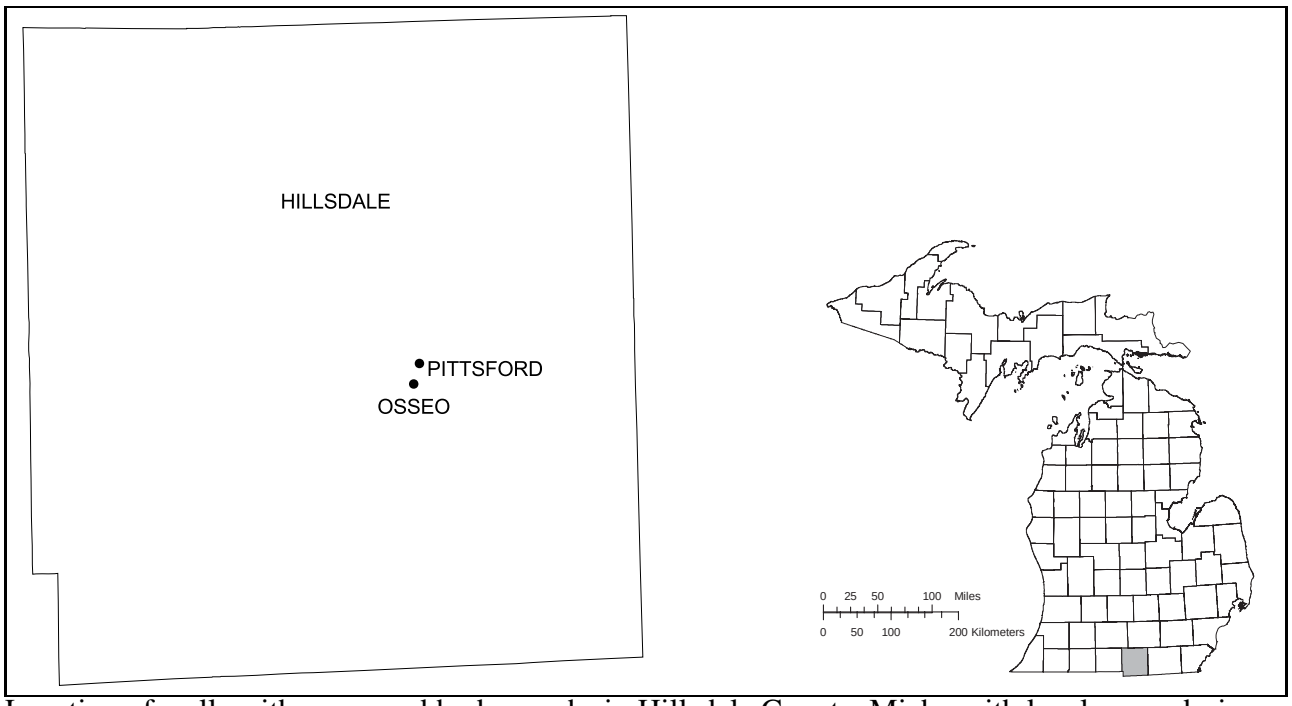
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

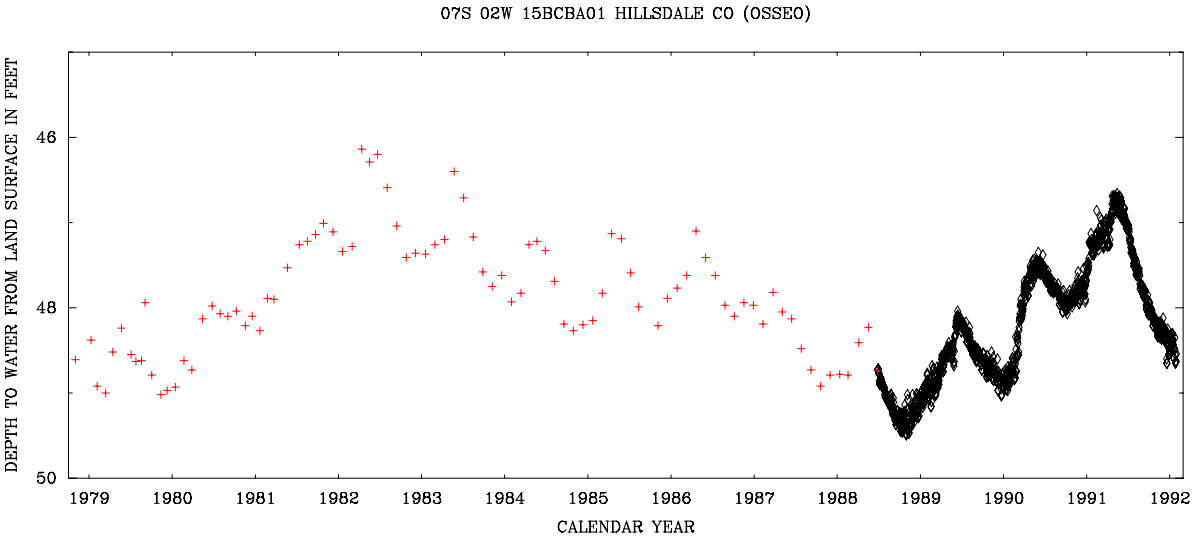
USGS STATION 432452084364401
PERIOD OF ADAPS RECORD, WATER YEARS 1960-1980, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 730 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 216 FT, PRIMARY AQUIFER DESIGNATION:OUTWASH
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

Hillsdale County



Location of wells with recovered hydrographs in Hillsdale County, Mich., with local name designation.

USGS STATION No.	USGS STATION NAME
415154084315401	07S 02W 15BCBA01 HILLSDALE CO (OSSEO)
415236084313701	07S 02W 10BDDD01 HILLSDALE CO (PITTSFORD)



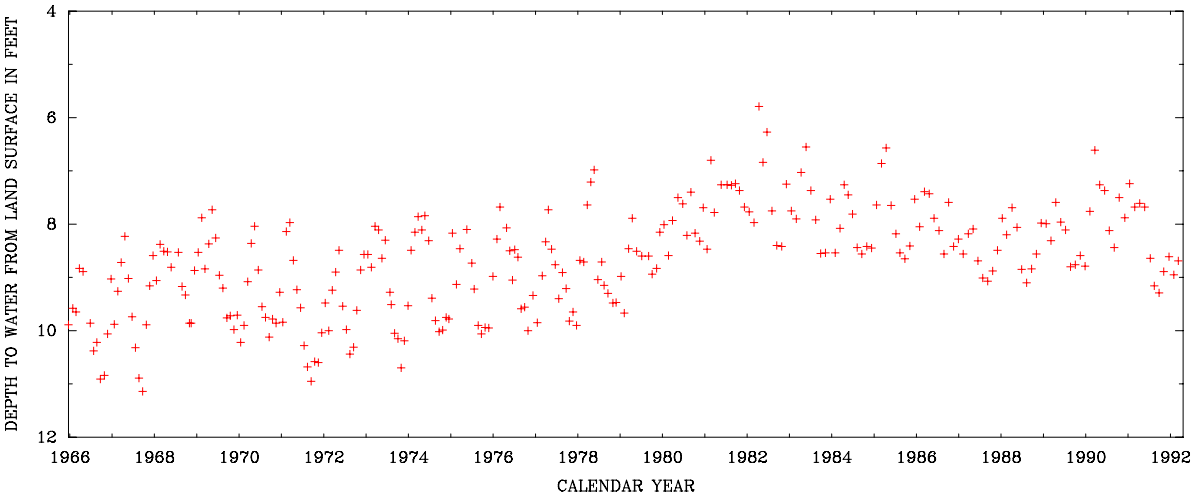
EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS

PERIOD OF ADAPS RECORD TOO SHORT TO GENERATE
MEANINGFUL WATER-YEAR SUMMARY

USGS STATION 415154084315401
PERIOD OF ADAPS RECORD, WATER YEARS 1988-1992, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 1092 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 150 FT, PRIMARY AQUIFER DESIGNATION:SAND
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

07S 02W 10BDDD01 HILLSDALE CO (PITTSFORD)



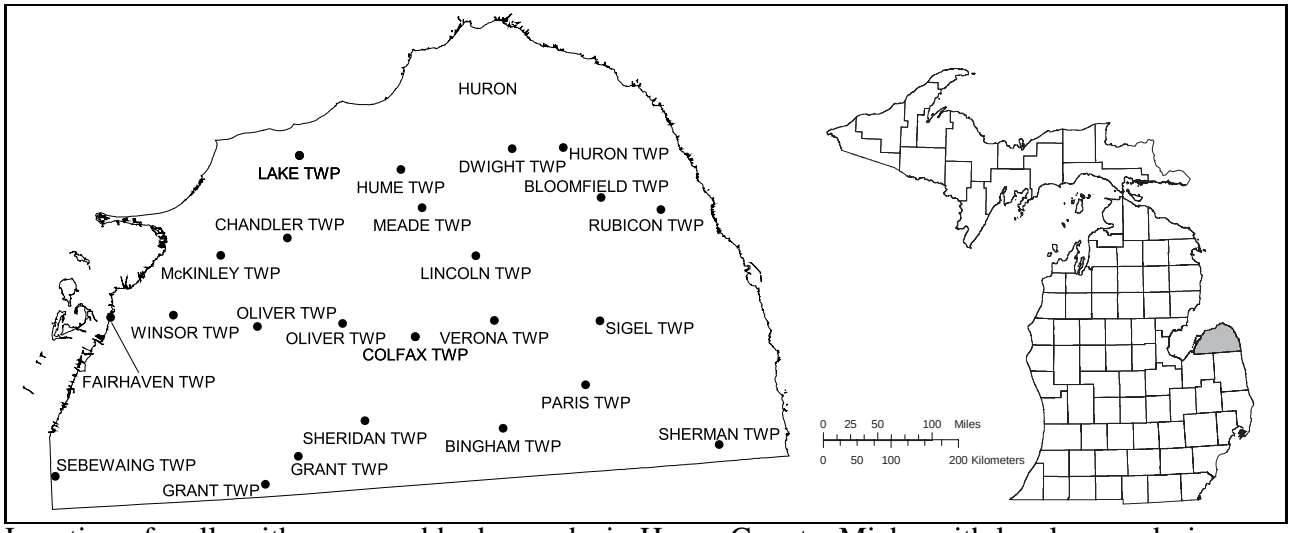
EXPLANATION

\+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 415236084313701
PERIOD OF RECORD, WATER YEARS 1966-1992, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 1070 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 17.0 FT, PRIMARY AQUIFER DESIGNATION:SAND
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

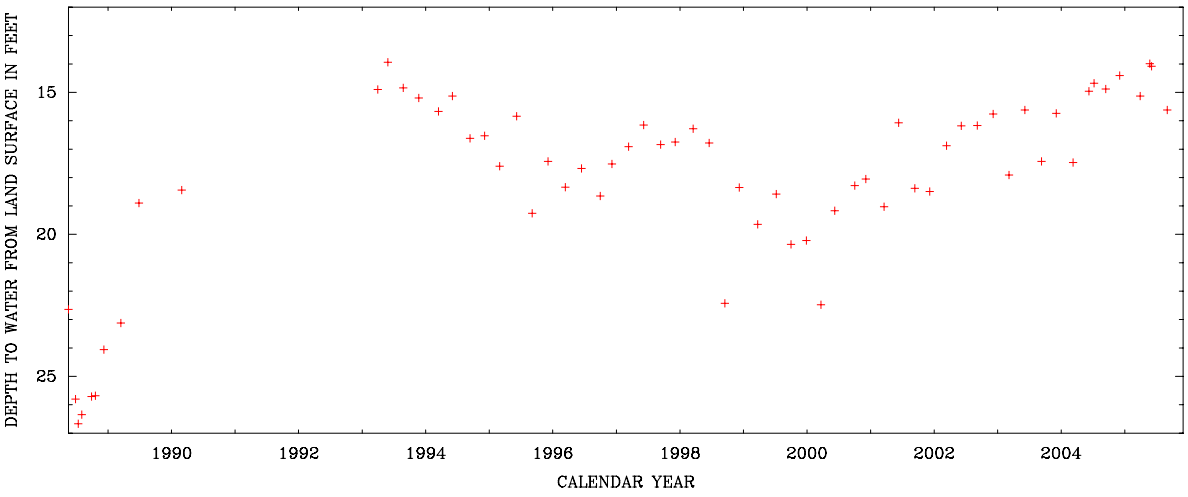
Huron County



Location of wells with recovered hydrographs in Huron County, Mich., with local name designation.

USGS STATION No.	USGS STATION NAME
423048083274001	15N 09E 30ABAD03 HURON CO (SEBEWAING TWP, H-1C)
434103083130301	15N 11E 32BBCB 01 HURON CO (GRANT TWP, H2R WELL)
434219083104201	15N 11E 22CCBB HURON CO (GRANT TWP, H-3)
434252082411301	15N 15E 34ABAB 01 HURON CO (SHERMAN TWP, H-7)
434323082561901	15N 13E 22BBBC 01 HURON CO (BINGHAM TWP, H-5R)
434402083055901	15N 12E 18AAAA01 HURON CO (SHERIDAN TWP, H-4)
434526082502601	15N 14E 05DDDA 01 HURON CO (PARIS TWP, H-6)
434811083021601	16N 12E 23BCDB01 HURON CO (COLFAX TWP, H-15B)
434816083022101	16N 12E 23BCCA01 HURON CO (COLFAX TWP, H-15D)
434839082492401	16N 14E 21AADC01 HURON CO (SIGEL TWP, H-17)
434853082565201	16N 13E 16DBCA01 HURON CO (VERONA TWP, H-16)
434900083071801	16N 11E 13AADD01 HURON CO (OLIVER TWP, H-14)
434900083131601	16N 11E 18AAAA01 HURON CO (OLIVER TWP, H-13)
434943083190801	16N 10E 09BBBB01 HURON CO (WINSOR TWP, H-10)
434947083233301	16N 09E 02CDCA01 HURON CO (FAIRHAVEN TWP,H9R WELL)
435213082574701	17N 13E 28CBCC01 HURON CO (LINCOLN TWP, H-22)
435242083153901	17N 10E 24CCBB01 HURON CO (McKINLEY TWP, H-19)
435326083105701	17N 11E 16DDDD HURON CO (CHANDLER TWP, H-20)
435411082444201	17N 15E 18DDDD01 HURON CO (RUBICON TWP, H-24)
435445082484201	17N 14E 15BAAA 01 HURON CO (BLOOMFIELD TWP, H-23)
435448083012701	17N 12E 11DADD01 HURON CO (MEADE TWP, H-21)
435642083025501	18N 12E 34ACDC01 HURON CO (HUME TWP, H-26)
435733082512201	18N 14E 29DCCC01 HURON CO (HURON TWP, H-28)
435733082545801	18N 13E 26CAAD01 HURON CO (DWIGHT TWP, H-27)
435736083094801	18N 11E 27AADD 01 HURON CO (LAKE TWP, H-25AR)
435736083094802	18N 11E 27AADD02 HURON CO (LAKE TWP, H-25B)
435736083094803	18N 11E 27AADD03 HURON CO (LAKE TWP, H-25C)

15N 09E 30ABAD03 HURON CO (SEBEWAING TWP, H-1C)



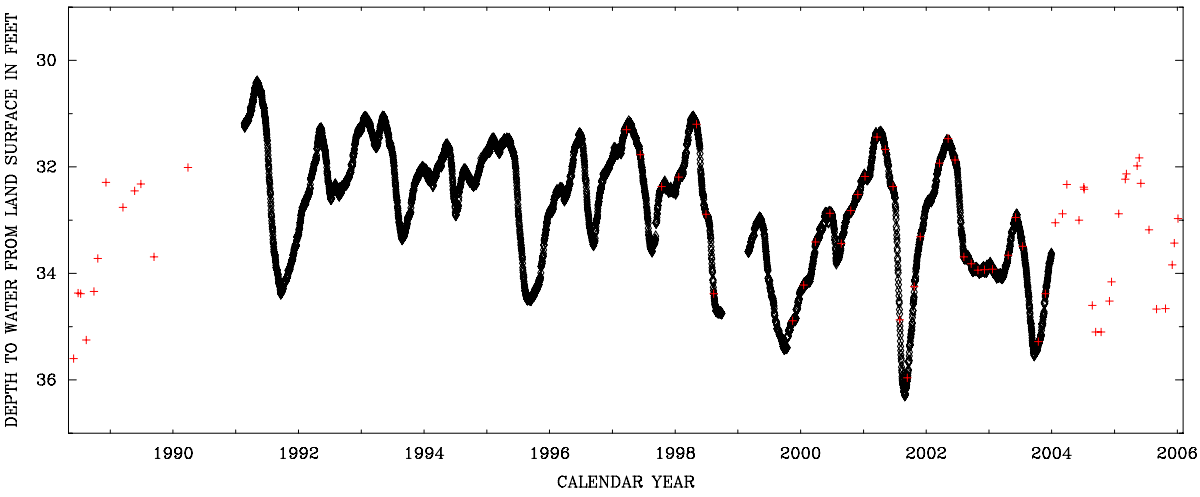
EXPLANATION

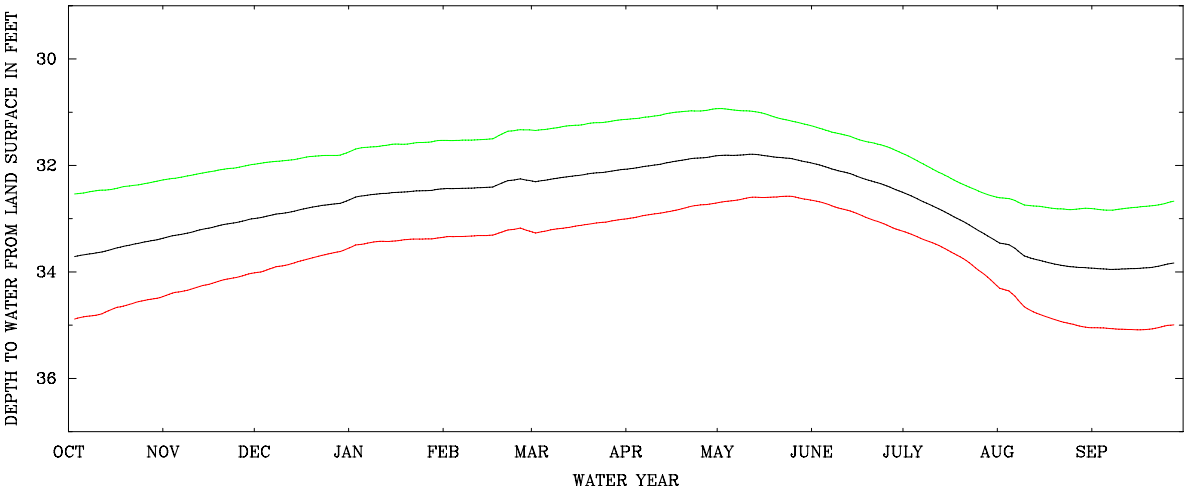
+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 423048083274001
PERIOD OF RECORD, WATER YEARS 1988-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 599 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 242.5 FT, PRIMARY AQUIFER DESIGNATION:SAGINAW-MICHIGAN FORMATIONS
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

15N 11E 32BBCB 01 HURON CO (GRANT TWP, H2R WELL)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS

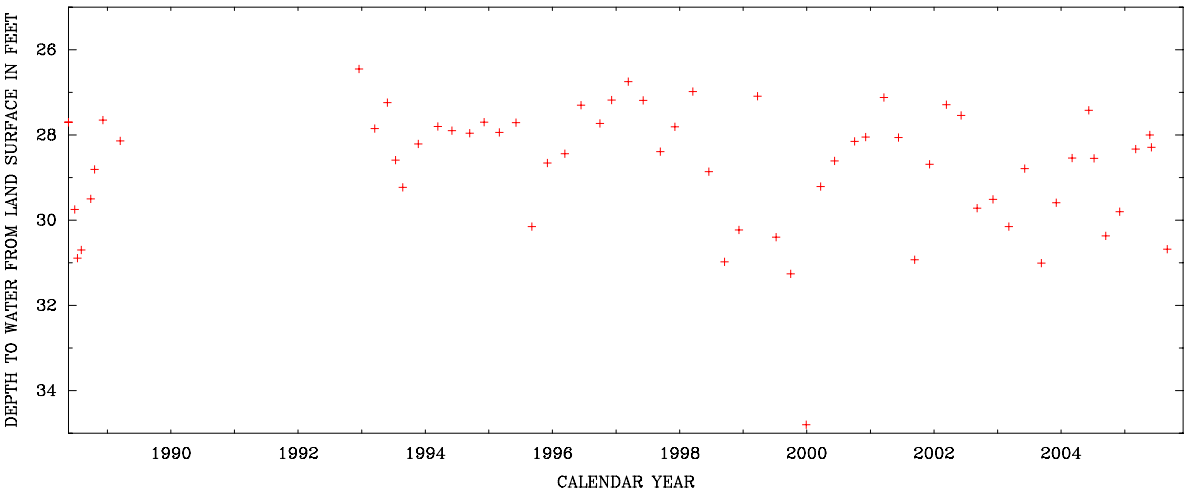
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 434103083130301
PERIOD OF ADAPS RECORD, WATER YEARS 1991-2004, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 746 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 91 FT, PRIMARY AQUIFER DESIGNATION:SAND
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

15N 11E 22CCBB HURON CO (GRANT TWP, H-3)



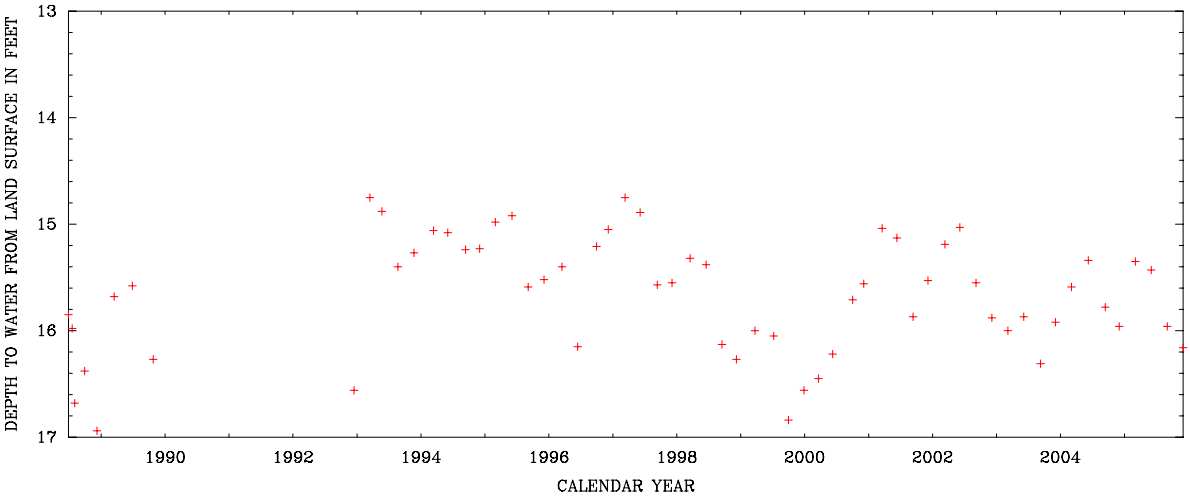
EXPLANATION

\+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 434219083104201
PERIOD OF RECORD, WATER YEARS 1988-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 732 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 120 FT, PRIMARY AQUIFER DESIGNATION:MARSHALL FORMATION
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

15N 15E 34ABAB 01 HURON CO (SHERMAN TWP, H-7)



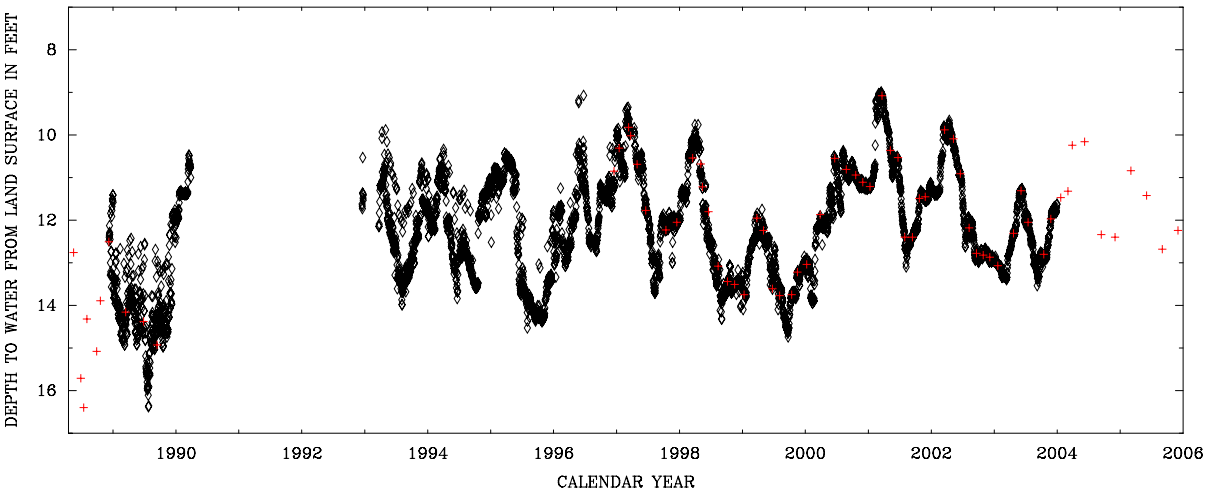
EXPLANATION

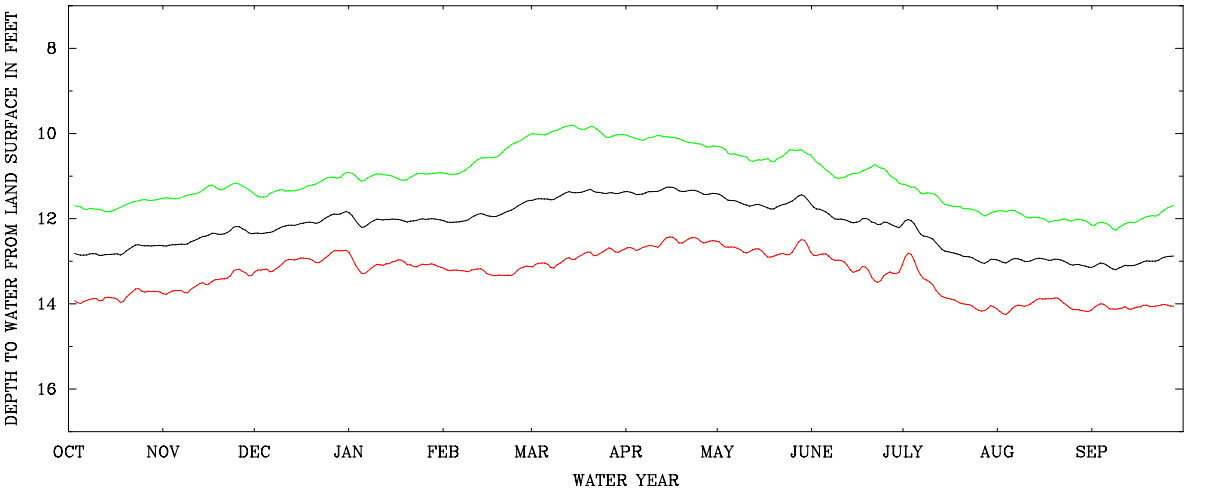
+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 434252082411301
PERIOD OF RECORD, WATER YEARS 1988-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 725 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 140 FT, PRIMARY AQUIFER DESIGNATION:COLDWATER SHALE
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

15N 13E 22BBBC 01 HURON CO (BINGHAM TWP, H-5R)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER

\+ GWSI TAPE-DOWN MEASUREMENTS

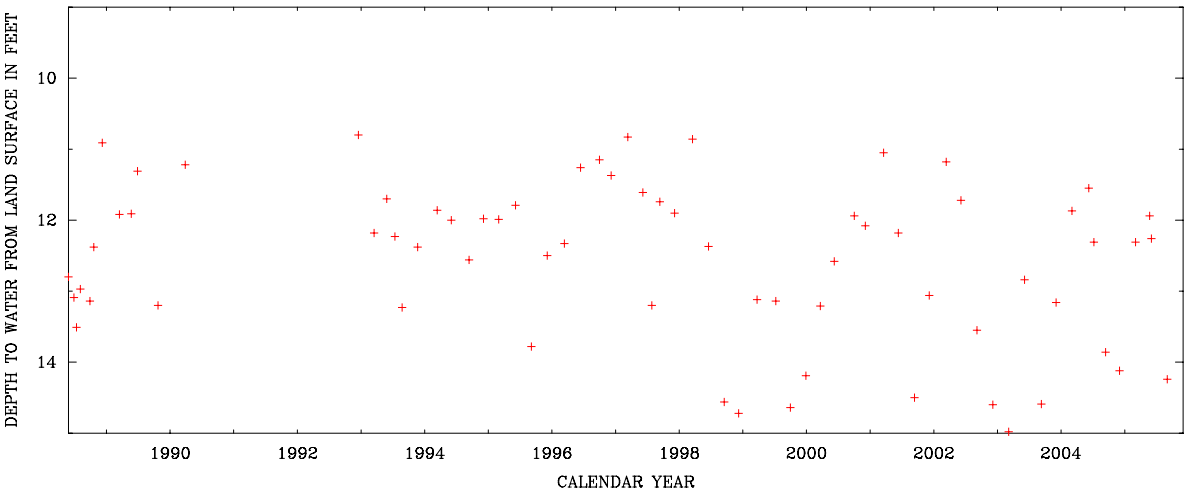
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 434323082561901
PERIOD OF ADAPS RECORD, WATER YEARS 1989-2004, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 795 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 170 FT, PRIMARY AQUIFER DESIGNATION:MARSHALL SANDSTONE,LOWER
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

15N 12E 18AAAA01 HURON CO (SHERIDAN TWP, H-4)



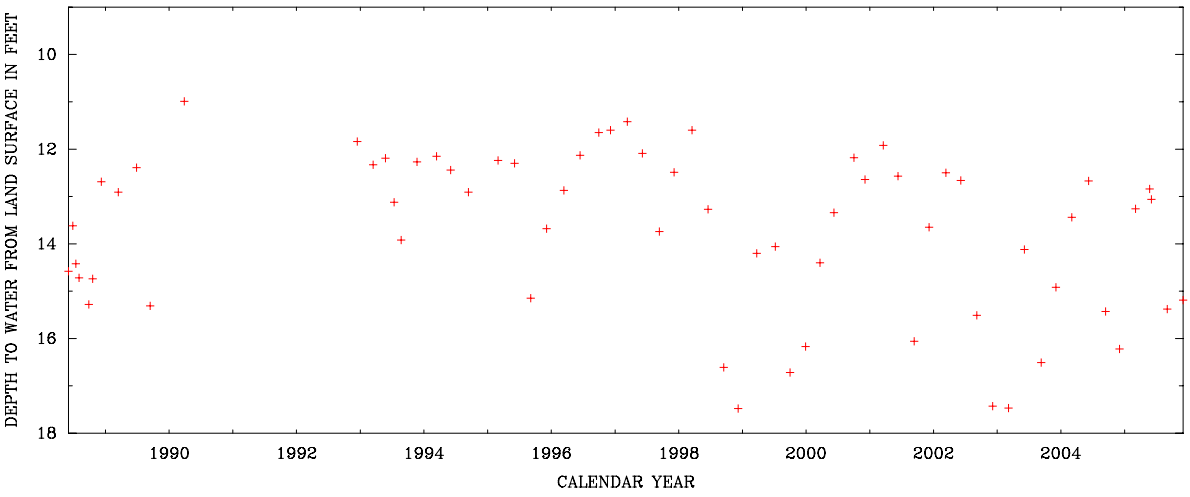
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 434402083055901
PERIOD OF RECORD, WATER YEARS 1988-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 752 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 80 FT, PRIMARY AQUIFER DESIGNATION:MARSHALL FORMATION
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

15N 14E 05DDDA 01 HURON CO (PARIS TWP, H-6)



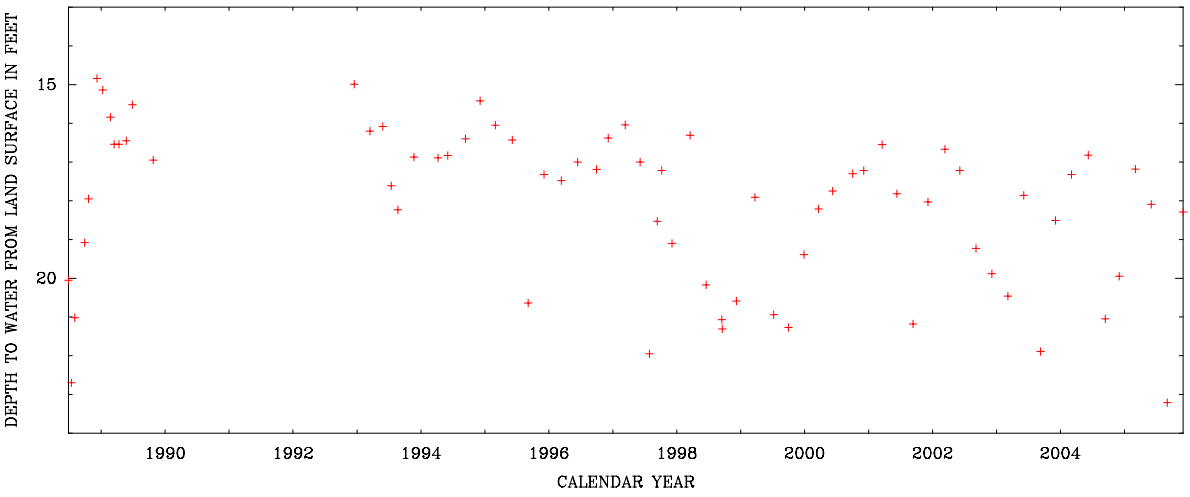
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 434526082502601
PERIOD OF RECORD, WATER YEARS 1988-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 780 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 90 FT, PRIMARY AQUIFER DESIGNATION:MARSHALL FORMATION
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

16N 12E 23BCDB01 HURON CO (COLFAX TWP, H-15B)



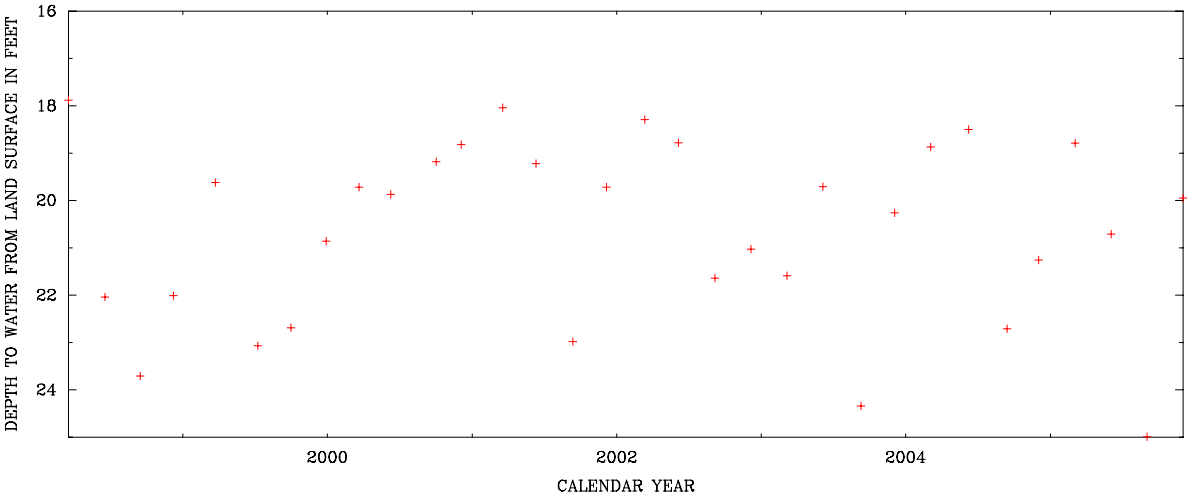
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 434811083021601
PERIOD OF RECORD, WATER YEARS 1988-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 747 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 99 FT, PRIMARY AQUIFER DESIGNATION:MARSHALL FORMATION
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

16N 12E 23BCCA01 HURON CO (COLFAX TWP, H-15D)



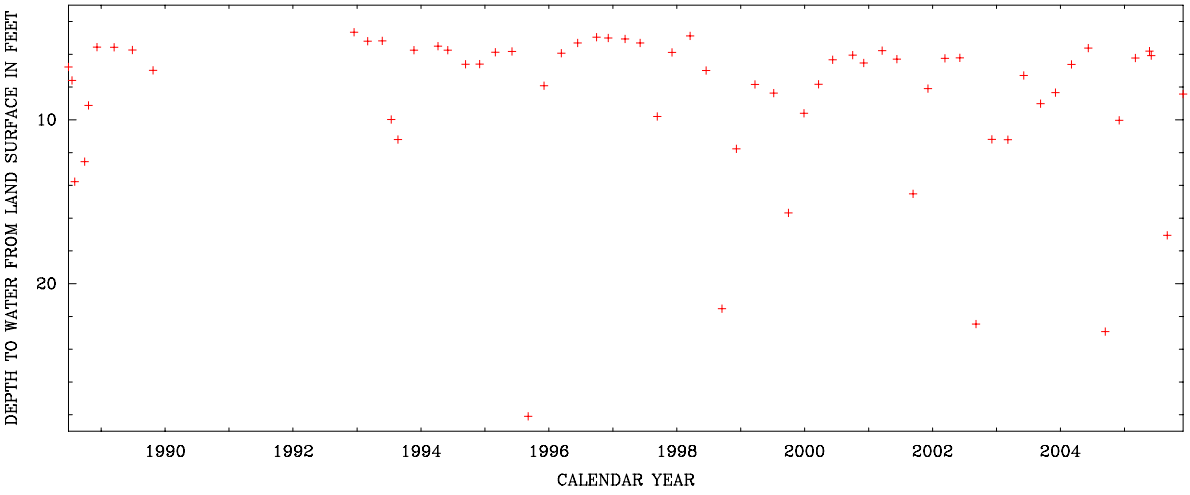
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 434816083022101
PERIOD OF RECORD, WATER YEARS 1998-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 747 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

16N 14E 21AADC01 HURON CO (SIGEL TWP, H-17)



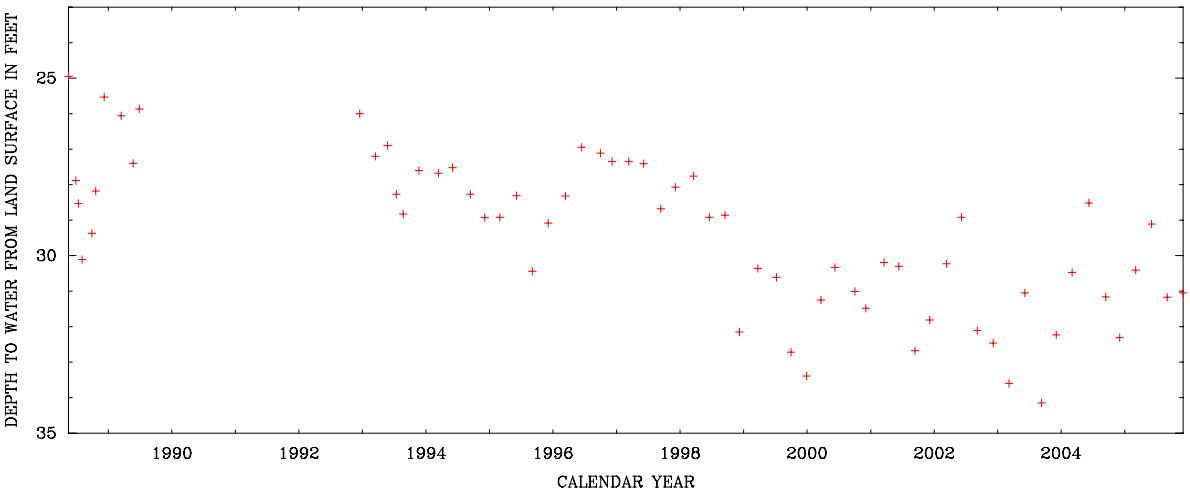
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 434839082492401
PERIOD OF RECORD, WATER YEARS 1988-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 753 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 80 FT, PRIMARY AQUIFER DESIGNATION:MARSHALL FORMATION
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

16N 13E 16DBCA01 HURON CO (VERONA TWP, H-16)



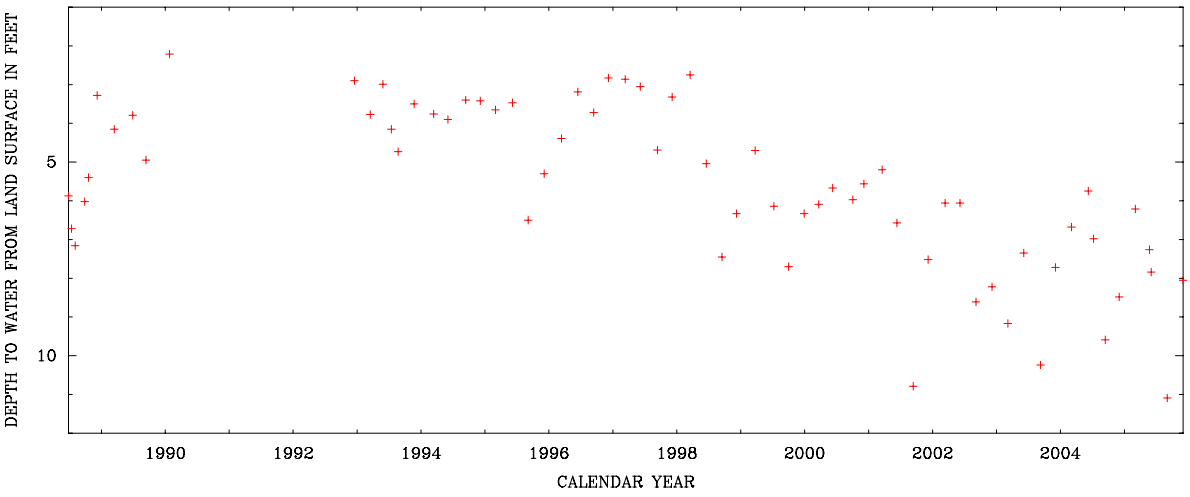
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 434853082565201
PERIOD OF RECORD, WATER YEARS 1988-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 763 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 160 FT, PRIMARY AQUIFER DESIGNATION:MARSHALL FORMATION
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

16N 11E 13AADD01 HURON CO (OLIVER TWP, H-14)



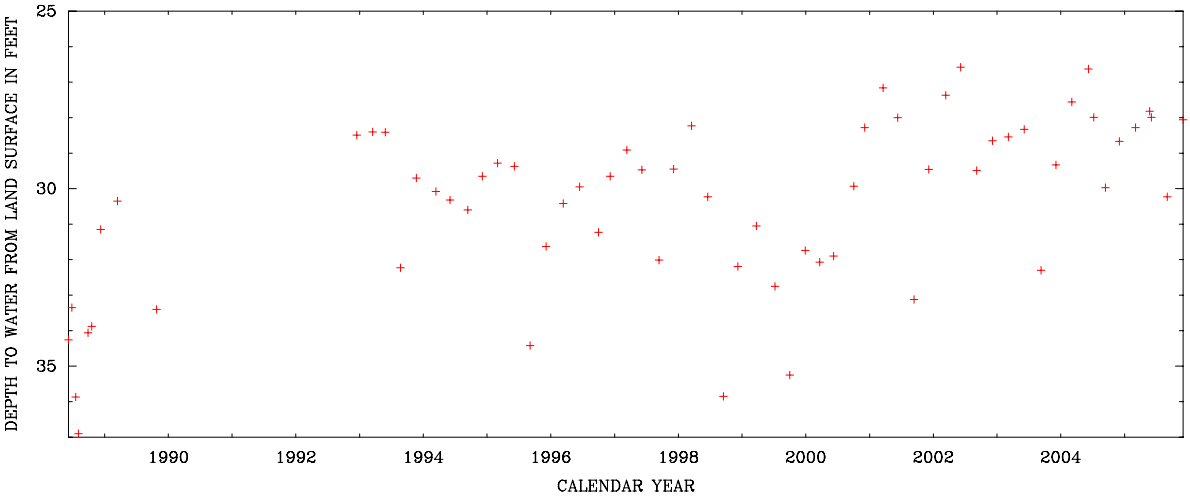
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 434900083071801
PERIOD OF RECORD, WATER YEARS 1988-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 681 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 100 FT, PRIMARY AQUIFER DESIGNATION:MARSHALL FORMATION
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

16N 11E 18AAAA01 HURON CO (OLIVER TWP, H-13)



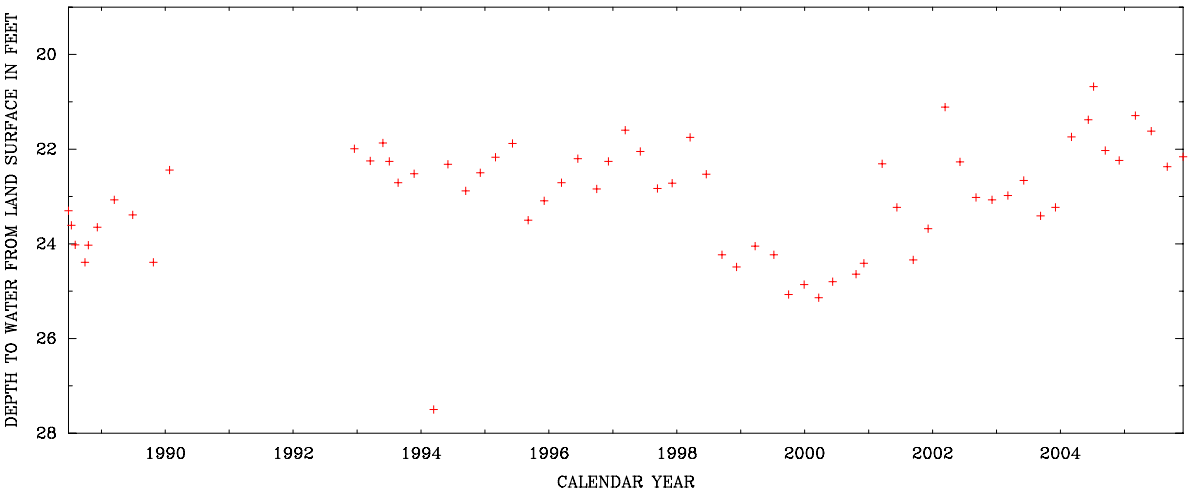
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 434900083131601
PERIOD OF RECORD, WATER YEARS 1988-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 642 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 120 FT, PRIMARY AQUIFER DESIGNATION:BAYPORT-MICHIGAN FORMATIONS
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

16N 10E 09BBBB01 HURON CO (WINSOR TWP, H-10)



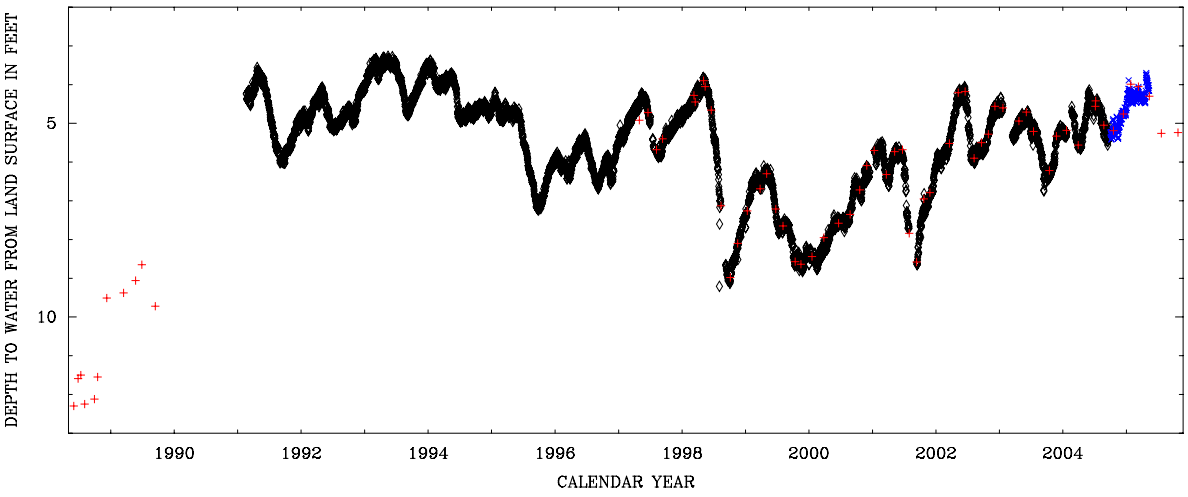
EXPLANATION

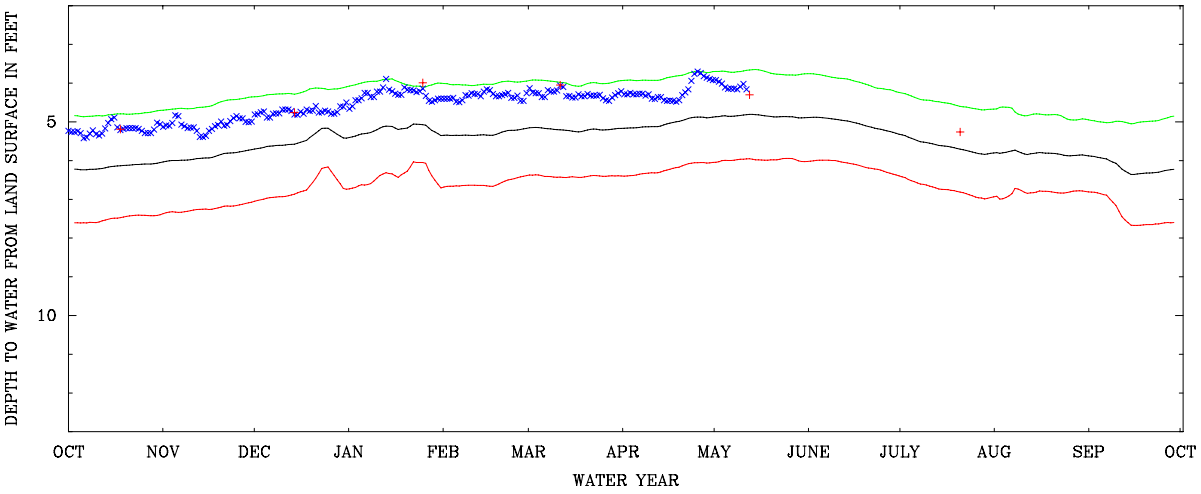
+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 434943083190801
PERIOD OF RECORD, WATER YEARS 1988-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 612 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 150 FT, PRIMARY AQUIFER DESIGNATION:BAYPORT-MICHIGAN FORMATIONS
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

16N 09E 02CDCA01 HURON CO (FAIRHAVEN TWP,H9R WELL)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS
× 2005 DAILY MAXIMUM DEPTH TO WATER
PROVISIONAL DATA SUBJECT TO REVISION

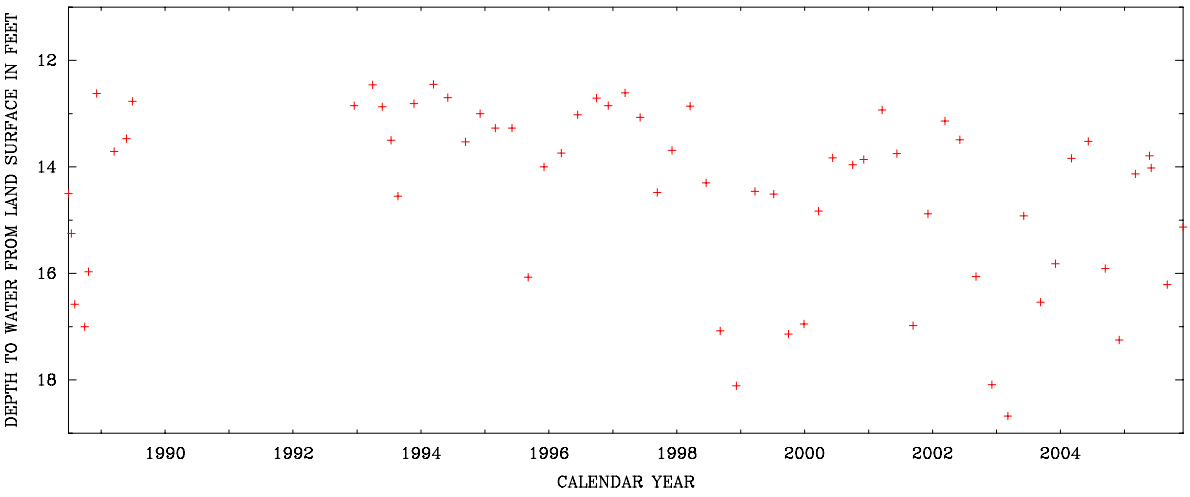
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 434947083233301
PERIOD OF ADAPS RECORD, WATER YEARS 1991-2005, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 582 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 180 FT, PRIMARY AQUIFER DESIGNATION:SAGINAW-MARSHALL FORMATIONS
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

17N 13E 28CBCC01 HURON CO (LINCOLN TWP, H-22)



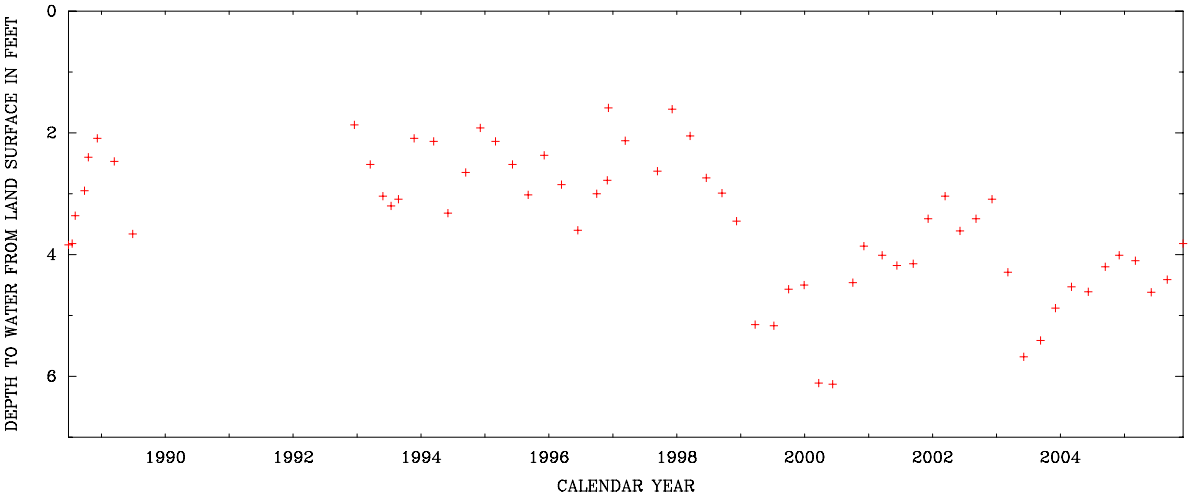
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 435213082574701
PERIOD OF RECORD, WATER YEARS 1988-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 750 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 150 FT, PRIMARY AQUIFER DESIGNATION:COLDWATER SHALE
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

17N 10E 24CCBB01 HURON CO (McKINLEY TWP, H-19)



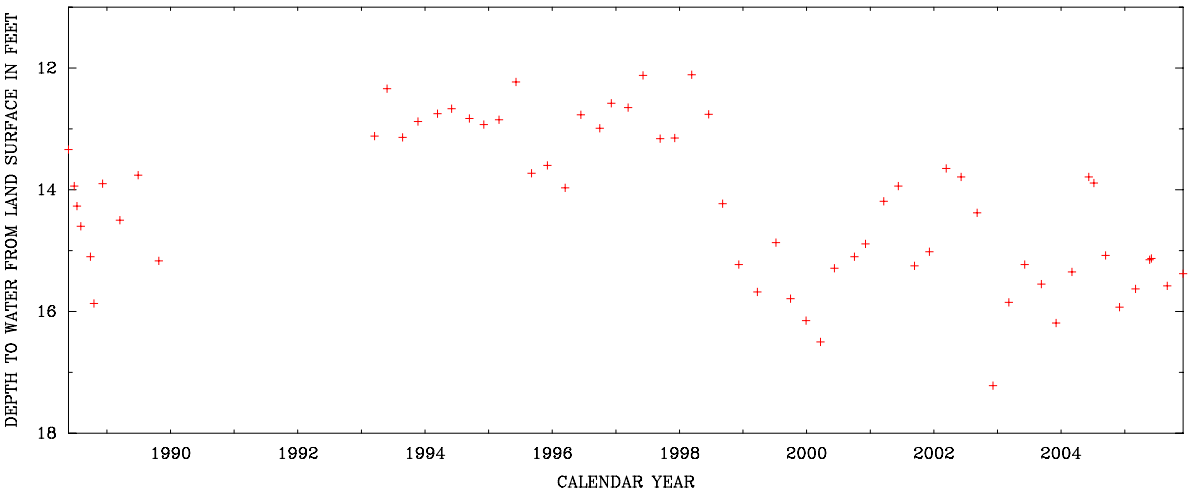
EXPLANATION

\+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 435242083153901
PERIOD OF RECORD, WATER YEARS 1988-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 610 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 100 FT, PRIMARY AQUIFER DESIGNATION:SAGINAW-MICHIGAN FORMATIONS
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

17N 11E 16DDDD HURON CO (CHANDLER TWP, H-20)



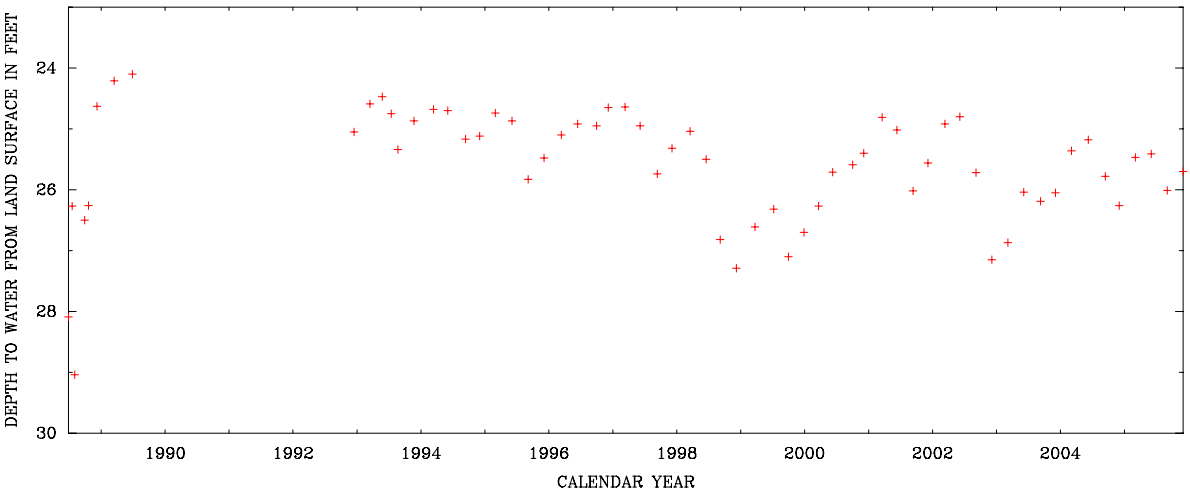
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 435326083105701
PERIOD OF RECORD, WATER YEARS 1988-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 630 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 60 FT, PRIMARY AQUIFER DESIGNATION:SAGINAW FORMATION
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

17N 15E 18DDDD01 HURON CO (RUBICON TWP, H-24)



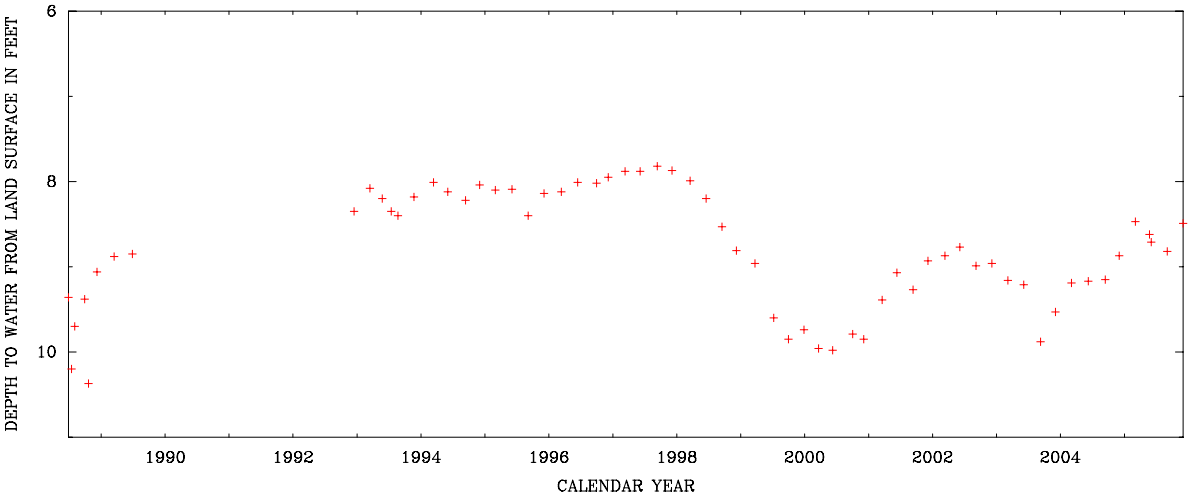
EXPLANATION

\+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 435411082444201
PERIOD OF RECORD, WATER YEARS 1988-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 691 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 100 FT, PRIMARY AQUIFER DESIGNATION:COLDWATER SHALE
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

17N 14E 15BAAA 01 HURON CO (BLOOMFIELD TWP, H-23)



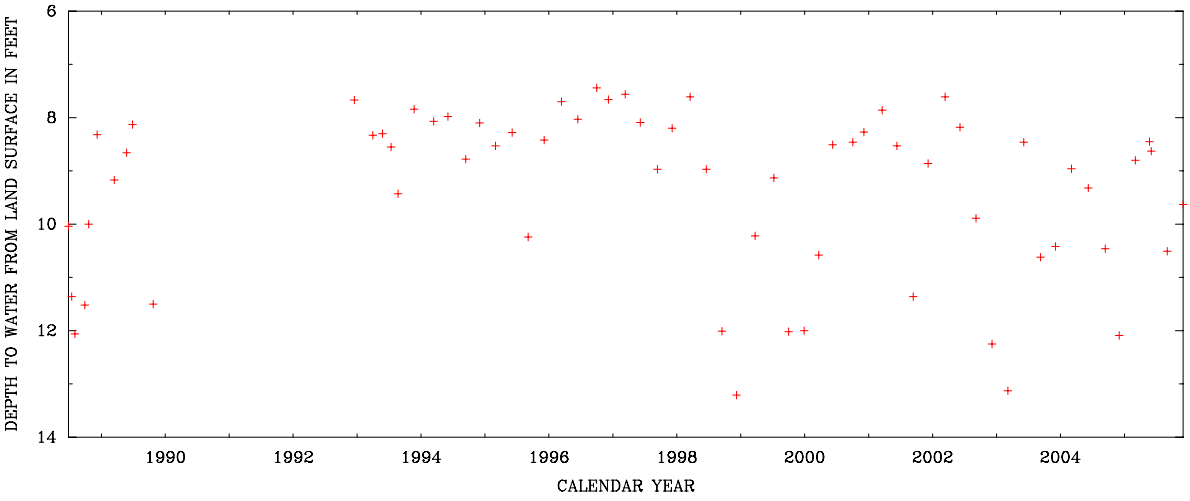
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 435445082484201
PERIOD OF RECORD, WATER YEARS 1988-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 720 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 150 FT, PRIMARY AQUIFER DESIGNATION:COLDWATER SHALE
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

17N 12E 11DADD01 HURON CO (MEADE TWP, H-21)



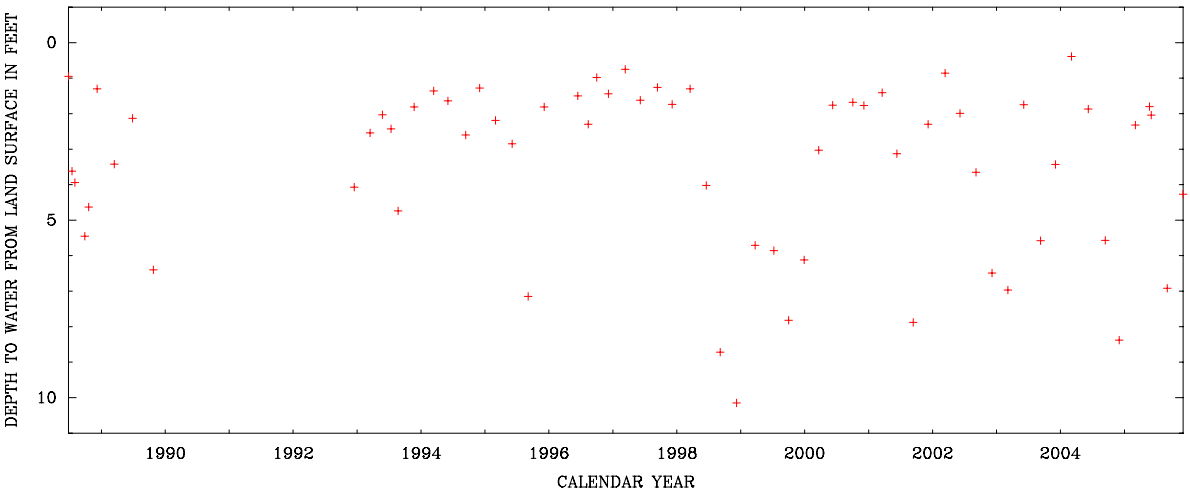
EXPLANATION

\+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 435448083012701
PERIOD OF RECORD, WATER YEARS 1988-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 701 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 80 FT, PRIMARY AQUIFER DESIGNATION:MARSHALL FORMATION
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

18N 12E 34ACDC01 HURON CO (HUME TWP, H-26)



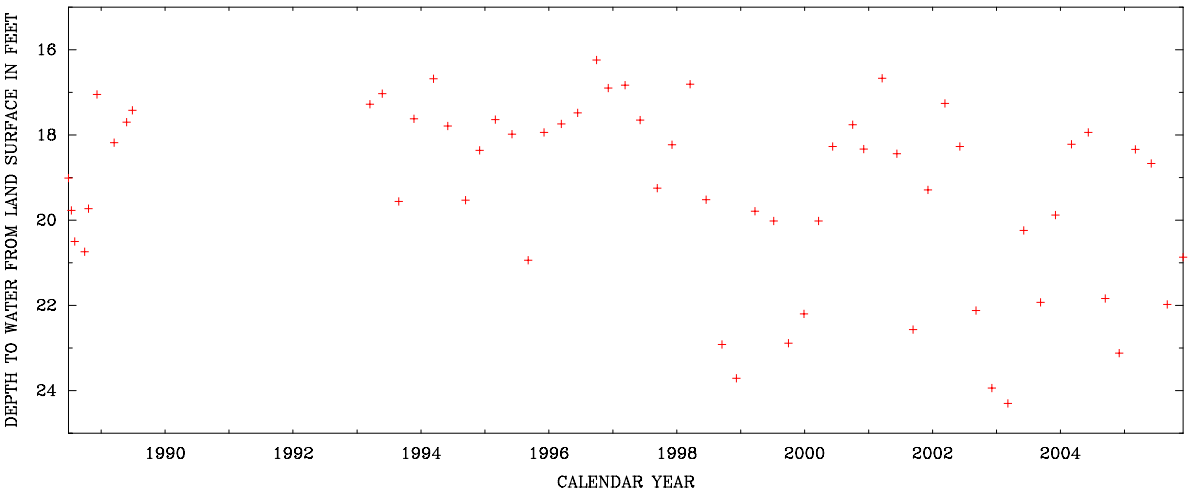
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 435642083025501
PERIOD OF RECORD, WATER YEARS 1988-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 660 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 60 FT, PRIMARY AQUIFER DESIGNATION:MARSHALL FORMATION
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

18N 14E 29DCCC01 HURON CO (HURON TWP, H-28)



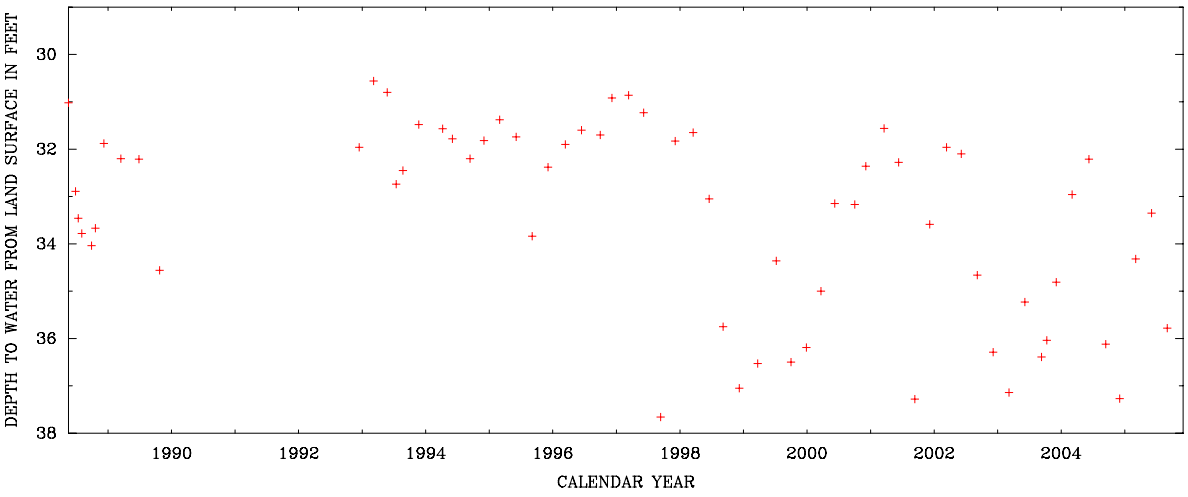
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 435733082512201
PERIOD OF RECORD, WATER YEARS 1988-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 692 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 75 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

18N 13E 26CAAD01 HURON CO (DWIGHT TWP, H-27)



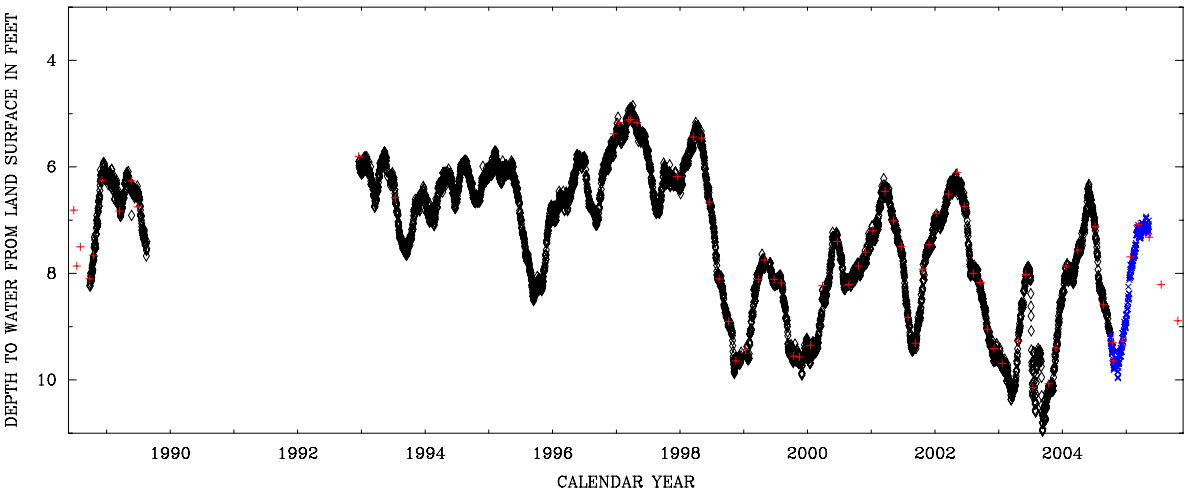
EXPLANATION

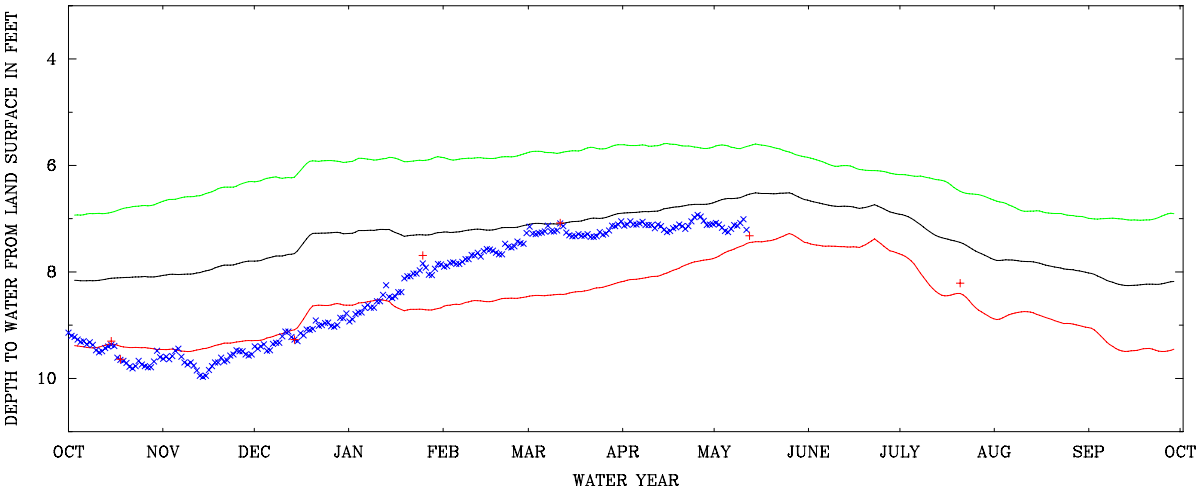
+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 435733082545801
PERIOD OF RECORD, WATER YEARS 1988-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 720 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 80 FT, PRIMARY AQUIFER DESIGNATION:MARSHALL FORMATION
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

18N 11E 27AADD 01 HURON CO (LAKE TWP, H-25AR)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS
× 2005 DAILY MAXIMUM DEPTH TO WATER
PROVISIONAL DATA SUBJECT TO REVISION

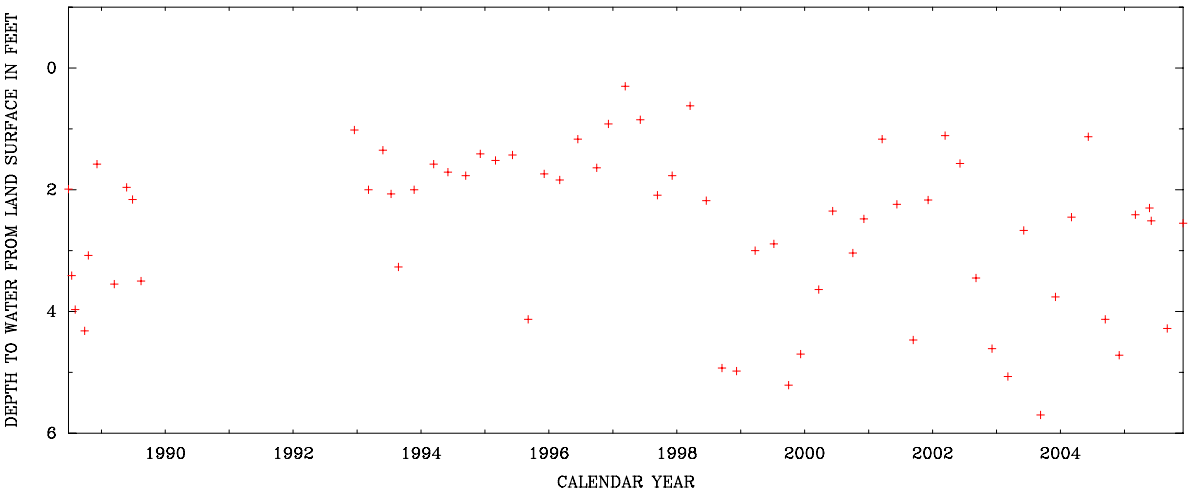
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 435736083094801
PERIOD OF ADAPS RECORD, WATER YEARS 1988-2005, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 600 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 200 FT, PRIMARY AQUIFER DESIGNATION:MARSHALL FORMATION
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

18N 11E 27AADD02 HURON CO (LAKE TWP, H-25B)



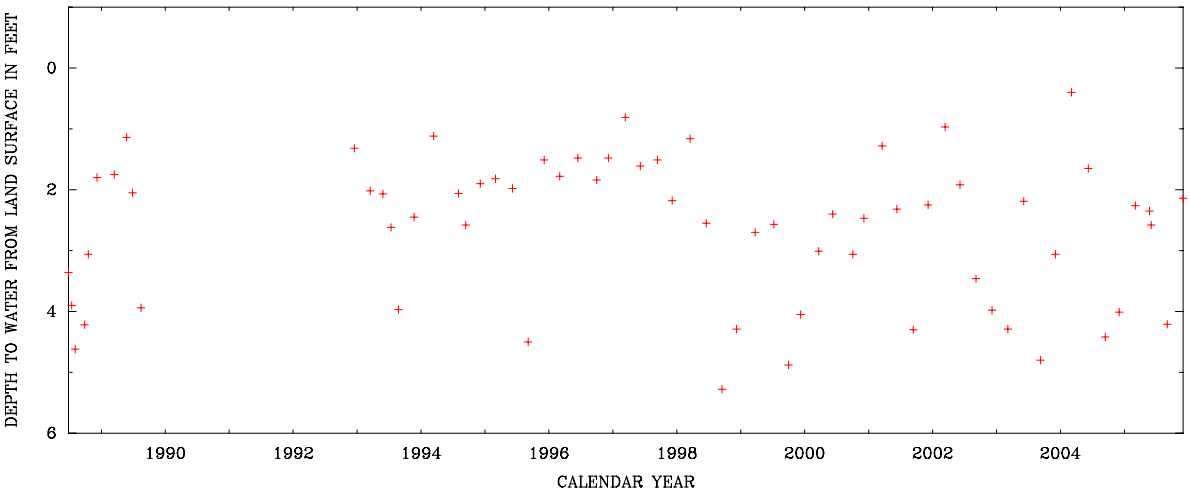
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 435736083094802
PERIOD OF RECORD, WATER YEARS 1988-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 600 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 160 FT, PRIMARY AQUIFER DESIGNATION:MARSHALL FORMATION
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

18N 11E 27AADD03 HURON CO (LAKE TWP, H-25C)



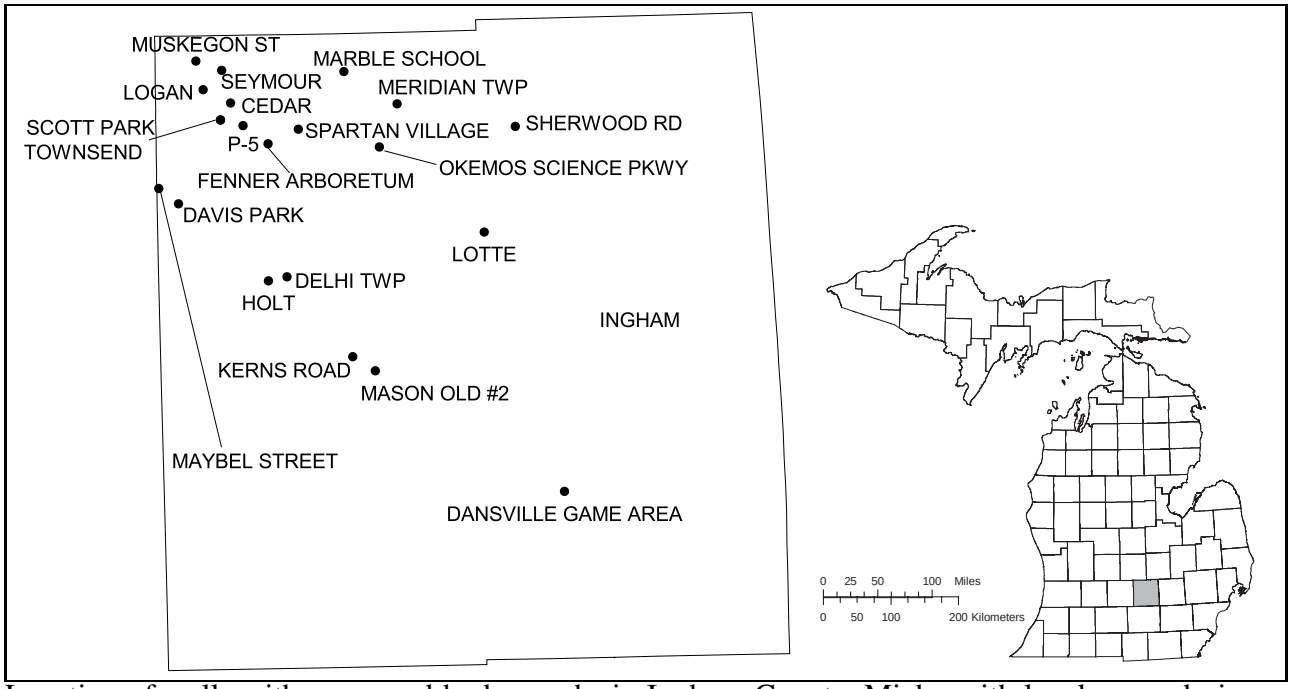
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 435736083094803
PERIOD OF RECORD, WATER YEARS 1988-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 600 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 40 FT, PRIMARY AQUIFER DESIGNATION:MARSHALL FORMATION
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

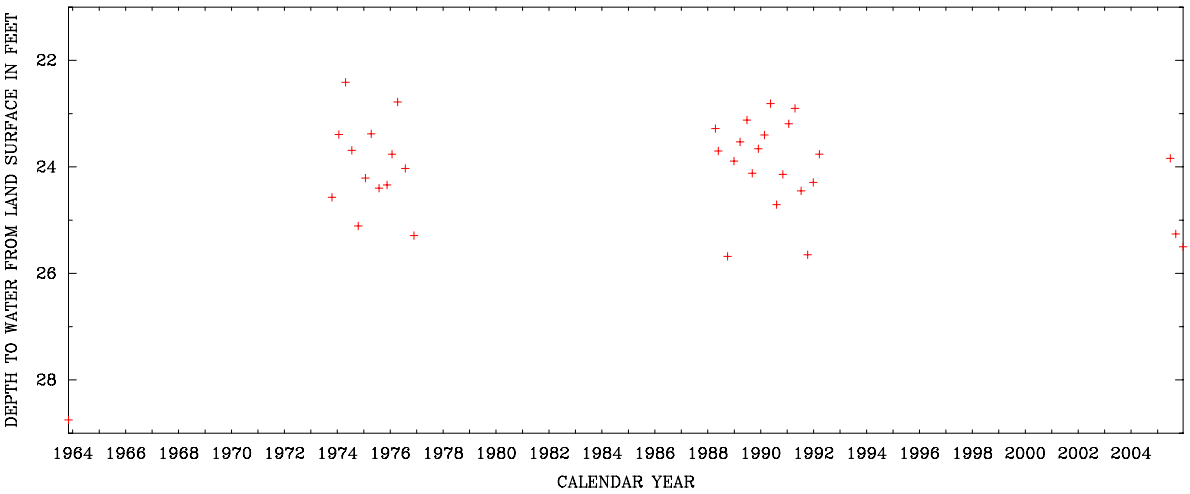
Ingham County



Location of wells with recovered hydrographs in Ingham County, Mich., with local name designation.

USGS STATION No.	USGS STATION NAME
423058084181801	02N 01E 34DB01 INGHAM CO (DANSVILLE GAME AREA)
423127084321901	04N 02W 16DAAA 01 INGHAM CO (CEDAR)
423503084263701	02N 01W 05DDAD 01 INGHAM CO (MASON OLD #2)
423532084274001	02N 01W 05 BCAB01 INGHAM CO (KERNS ROAD)
423805084311801	03N 02W 23BCBD 01 INGHAM CO (HOLT)
423812084302801	03N 02W 23ADBB 01 INGHAM CO (DELHI TWP)
423933084213801	03N 01E 07DDCA 01 INGHAM CO (LOTTE)
424040084351401	03N 02W 06ACAD 01 INGHAM CO. (DAVIS PARK)
424111084360701	04N 02W 31CCBC 01 INGHAM CO (MAYBEL STREET)
424225084261401	04N 01W 28BCAD 01 INGHAM CO (OKEMOS SCIENCE PKWY)
424235084311201	04N 02W 26BBDB 01 INGHAM CO (FENNER ARBORETUM)
424300084201001	04N 01E 21CDDA01 INGHAM CO (SHERWOOD RD WELL)
424303084295001	04N 02W 24CABD 01 INGHAM CO (SPARTAN VILLAGE)
424312084321801	04N 02W 22BC 01 INGHAM CO. (P-5)
424324084331801	04N 02W 21BADB 01 INGHAM CO. (SCOTT PARK)
424324084331802	04N 02W 21BA 01 INGHAM CO (TOWNSEND)
424349084252501	04N 01W 16DAD 01 INGHAM CO (MERIDIAN TWP)
424424084340301	04N 02W 17ABAA 01 INGHAM CO (LOGAN)
424455084274601	04N 01W 18AD 01 INGHAM CO (MARBLE SCHOOL)
424502084331301	04N 02W 09BDAD 01 INGHAM CO (SEYMOUR)
424521084342101	04N 02W 05CDDD 01 INGHAM CO. (MUSKEGON ST)

02N 01E 34DB01 INGHAM CO (DANSVILLE GAME AREA)



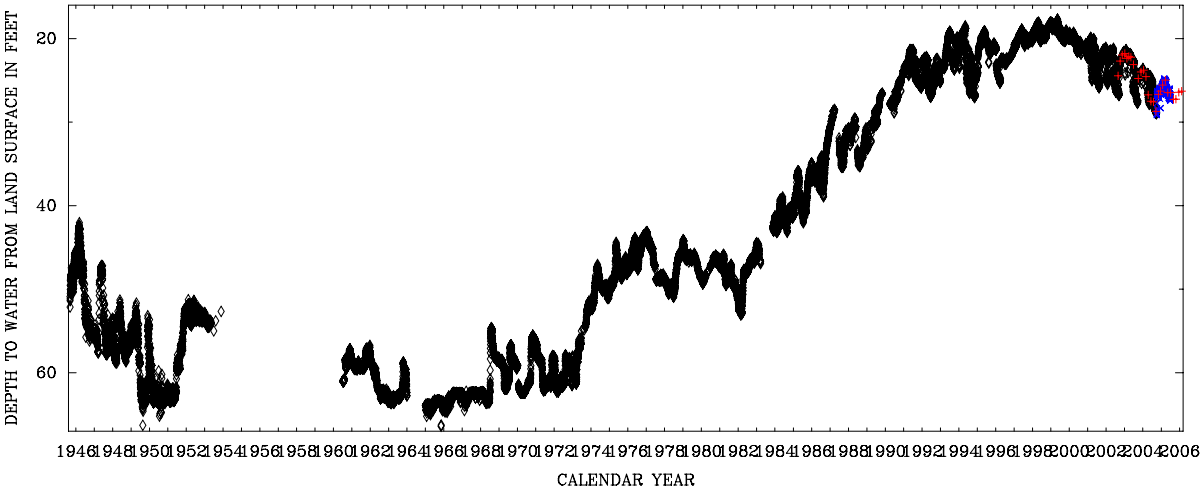
EXPLANATION

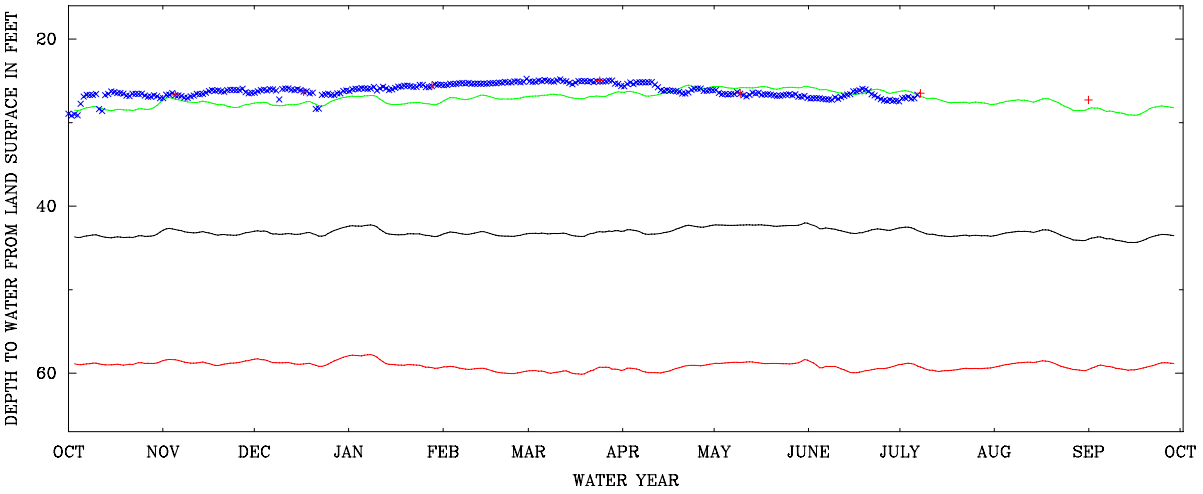
\+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 423058084181801
PERIOD OF RECORD, WATER YEARS 1964-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 980 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 87.0 FT, PRIMARY AQUIFER DESIGNATION:GLACIAL DEPOSITS,UNDIFFERENTIATED
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

04N 02W 16DAAA 01 INGHAM CO (CEDAR)





EXPLANATION

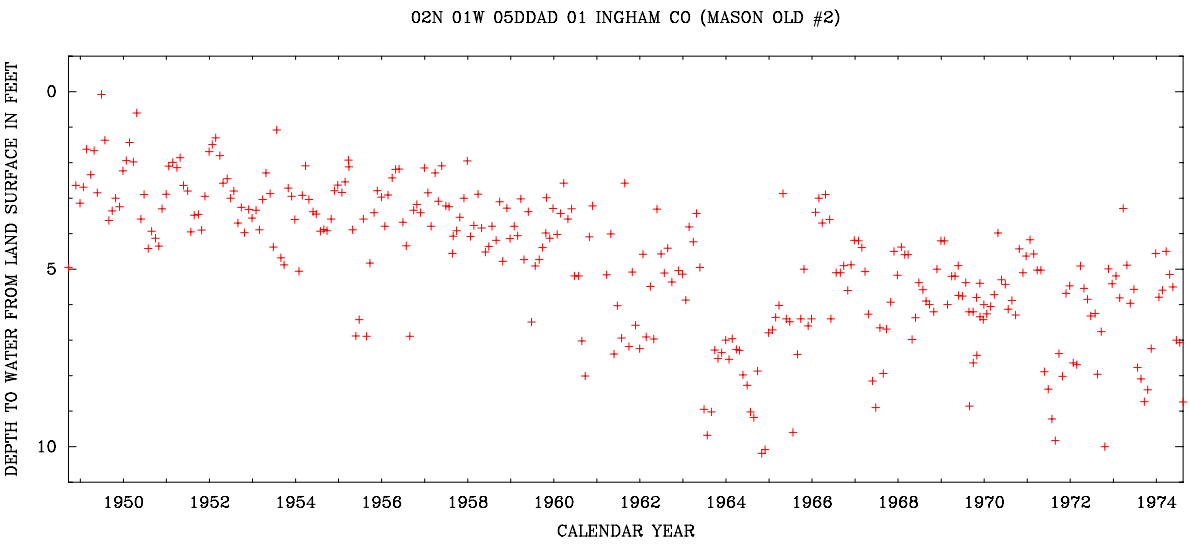
◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS
× 2005 DAILY MAXIMUM DEPTH TO WATER
PROVISIONAL DATA SUBJECT TO REVISION

AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 423127084321901
PERIOD OF ADAPS RECORD, WATER YEARS 1945-2005, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 829.10 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 417 FT, PRIMARY AQUIFER DESIGNATION:SAGINAW FORMATION
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903



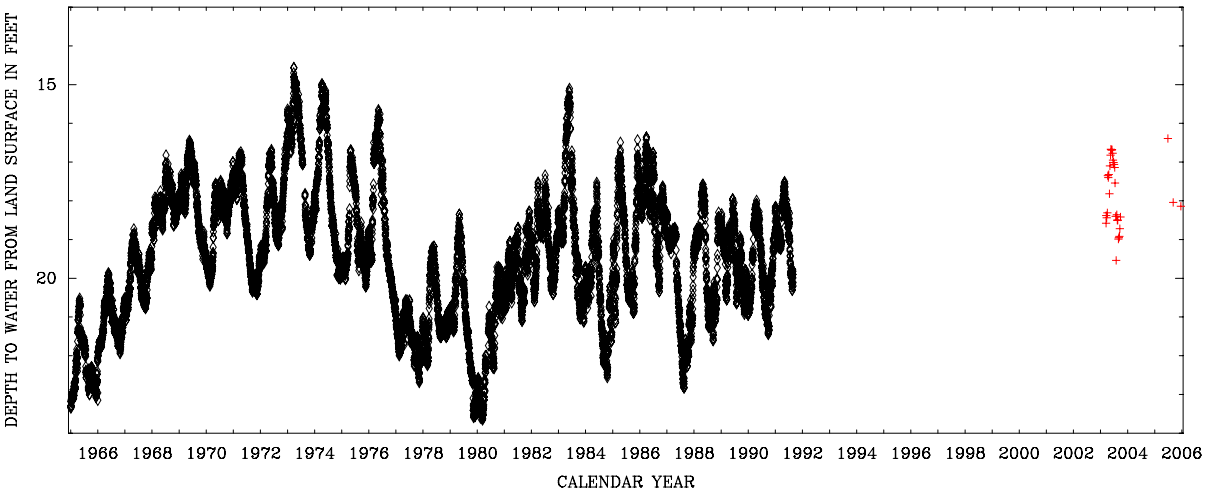
EXPLANATION

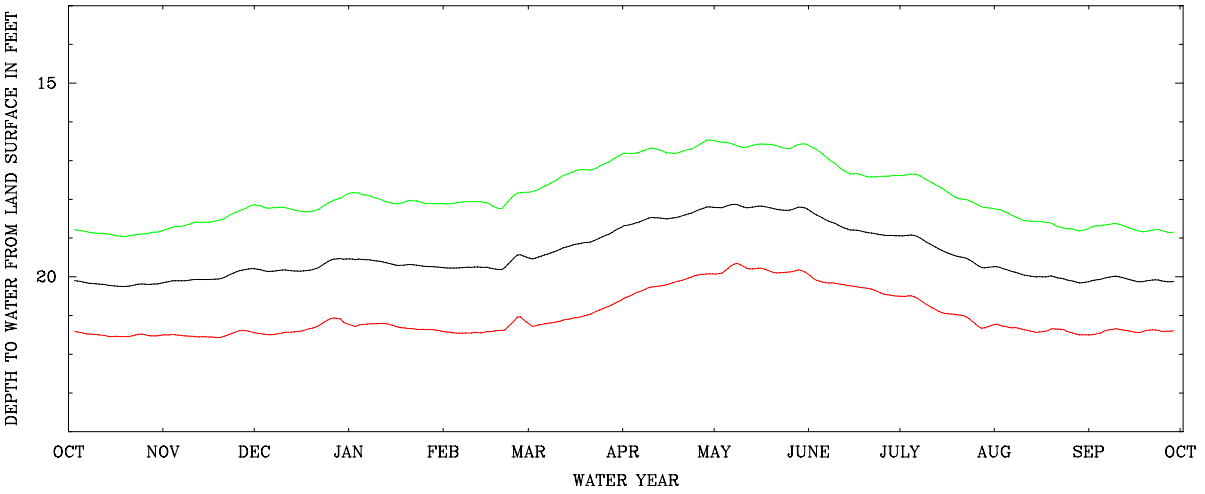
+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 423503084263701
PERIOD OF RECORD, WATER YEARS 1948-1974, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 880 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 169 FT, PRIMARY AQUIFER DESIGNATION:SAGINAW FORMATION
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

02N 01W 05 BCAB01 INGHAM CO (KERNS ROAD)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER

\+ GWSI TAPE-DOWN MEASUREMENTS

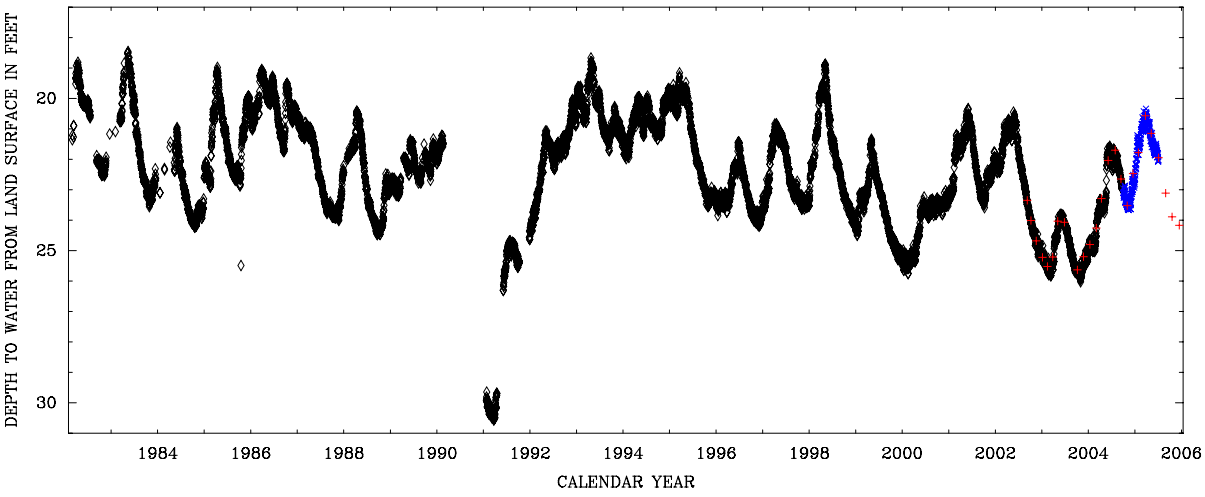
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

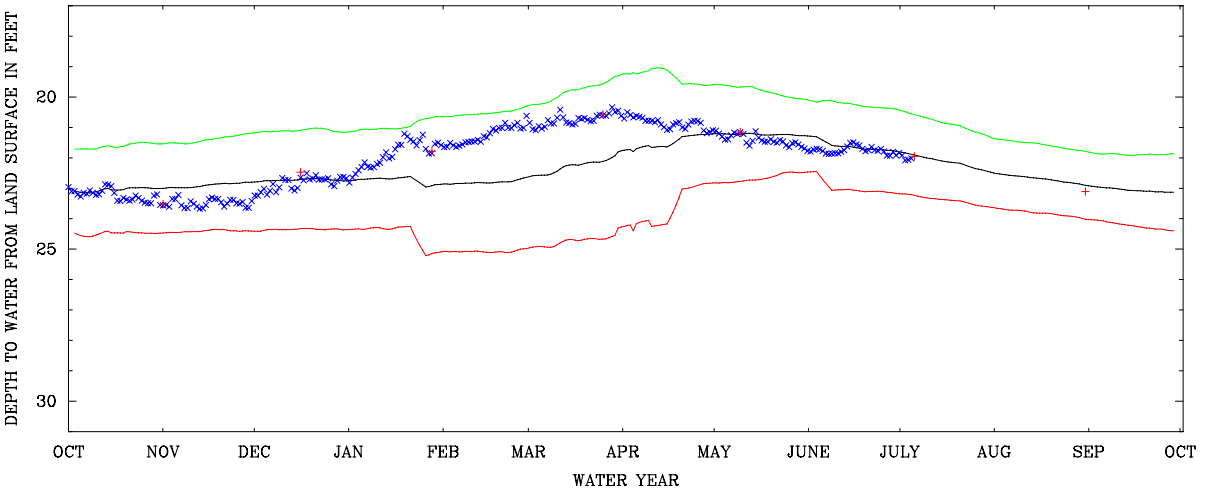
5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 423532084274001
PERIOD OF ADAPS RECORD, WATER YEARS 1965-1991, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 899 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 210 FT, PRIMARY AQUIFER DESIGNATION:SAGINAW FORMATION
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

03N 02W 23BCBD 01 INGHAM CO (HOLT)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS
× 2005 DAILY MAXIMUM DEPTH TO WATER
PROVISIONAL DATA SUBJECT TO REVISION

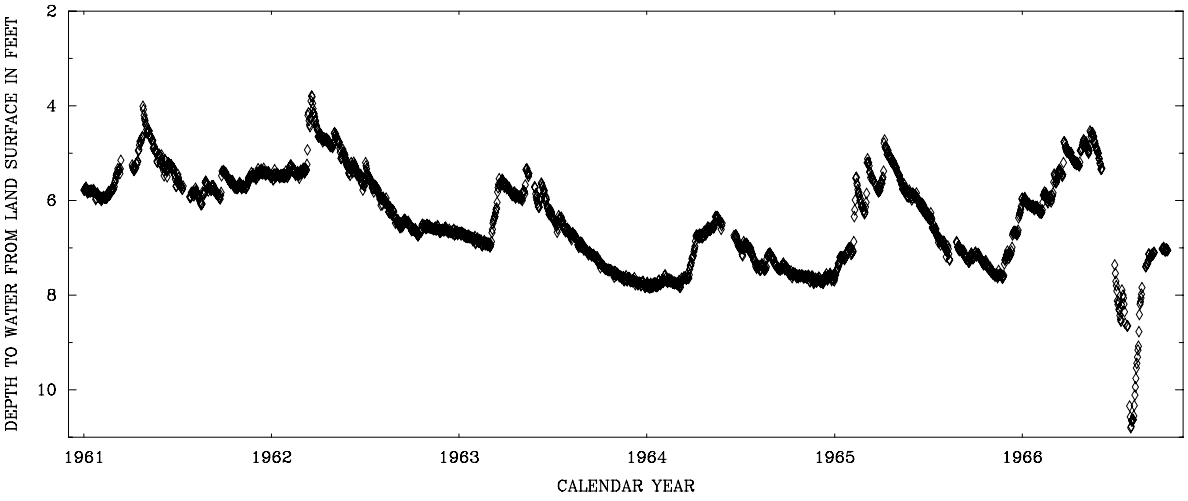
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

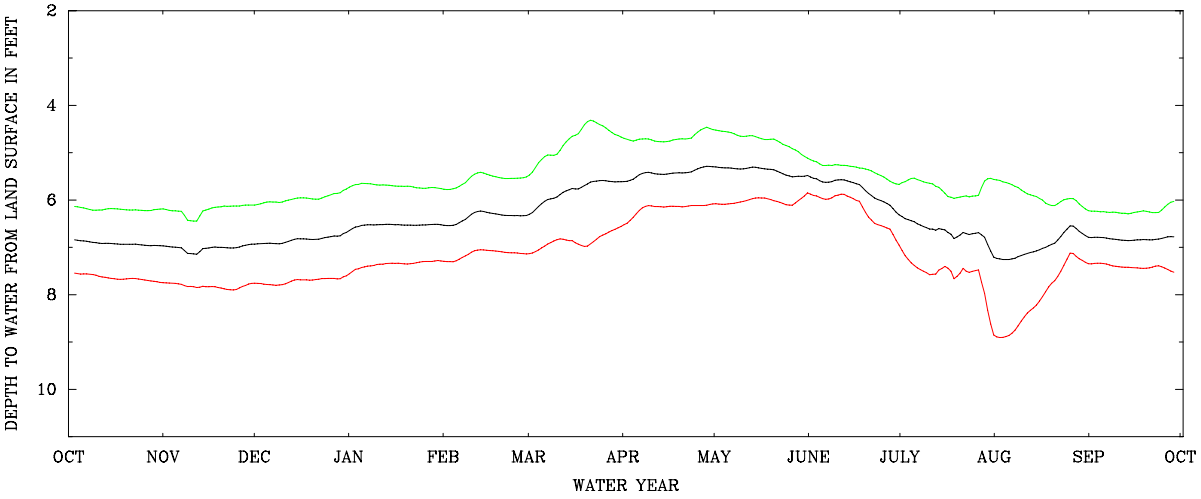
5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 423805084311801
PERIOD OF ADAPS RECORD, WATER YEARS 1982-2005, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 895 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 188 FT, PRIMARY AQUIFER DESIGNATION:SAGINAW FORMATION
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

03N 02W 23ADBB 01 INGHAM CO (DELHI TWP)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER

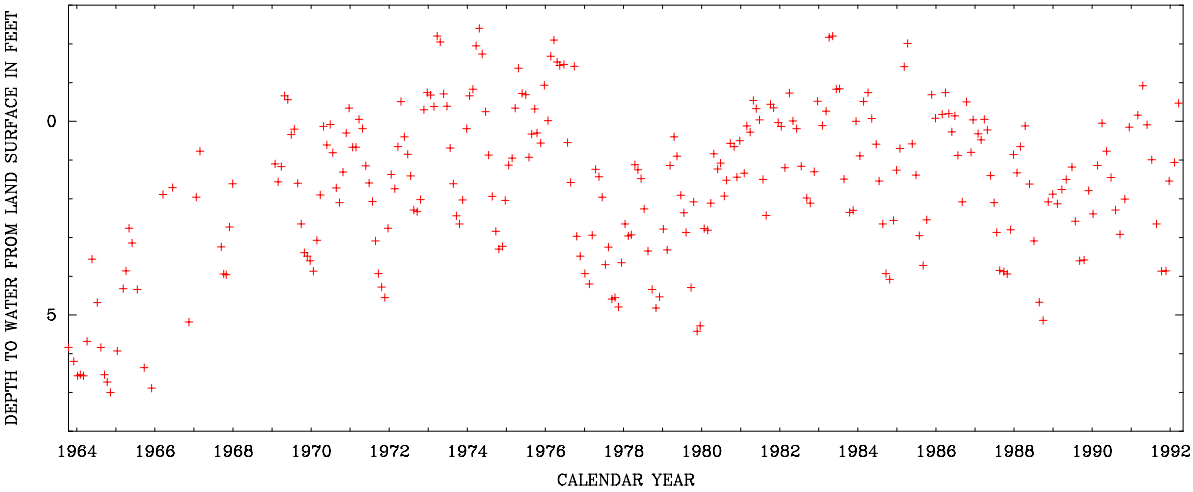
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 423812084302801
PERIOD OF ADAPS RECORD, WATER YEARS 1961-1967, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 878 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 268 FT, PRIMARY AQUIFER DESIGNATION:SAGINAW FORMATION
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

03N 01E 07DDCA 01 INGHAM CO (LOTTE)

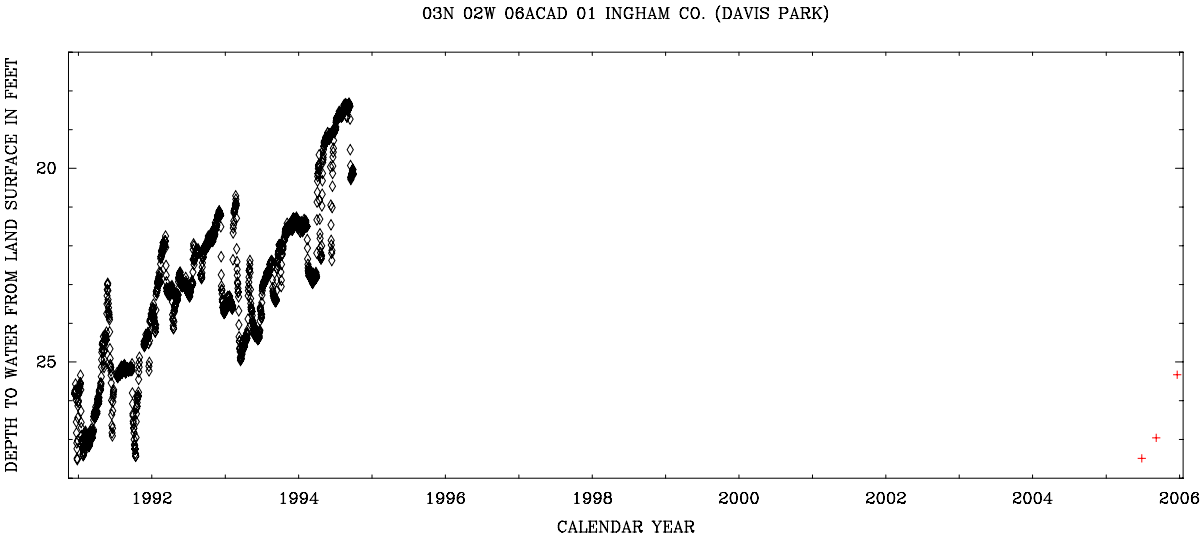


EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 423933084213801
PERIOD OF RECORD, WATER YEARS 1964-1992, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 900 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 184 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

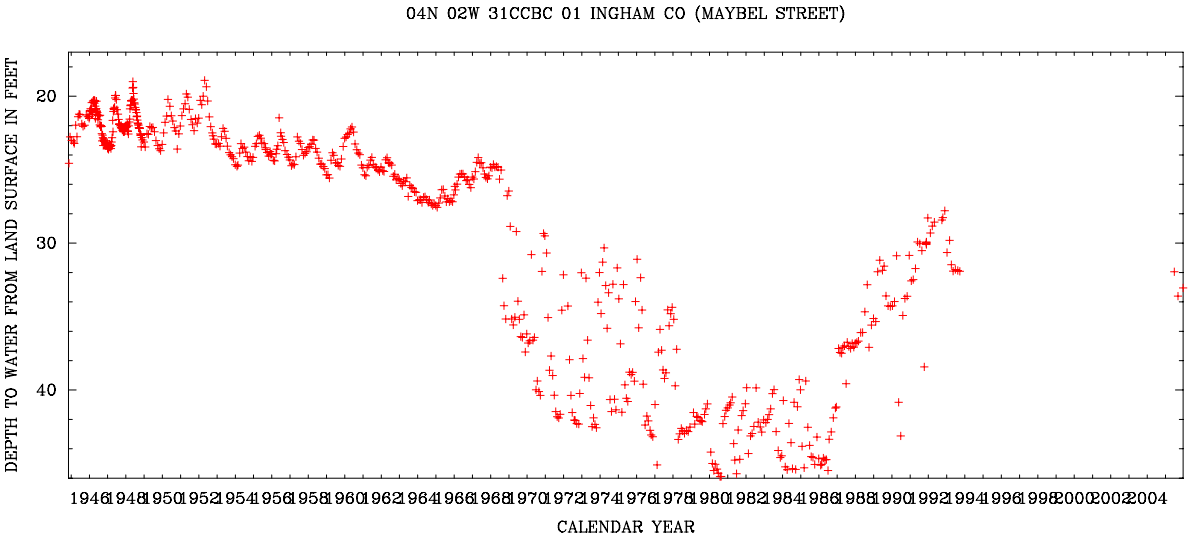


EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS

PERIOD OF ADAPS RECORD TOO SHORT TO GENERATE
MEANINGFUL WATER-YEAR SUMMARY

USGS STATION 424040084351401
PERIOD OF ADAPS RECORD, WATER YEARS 1991-1994, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 875 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS FT, PRIMARY AQUIFER DESIGNATION:SAGINAW FORMATION
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903



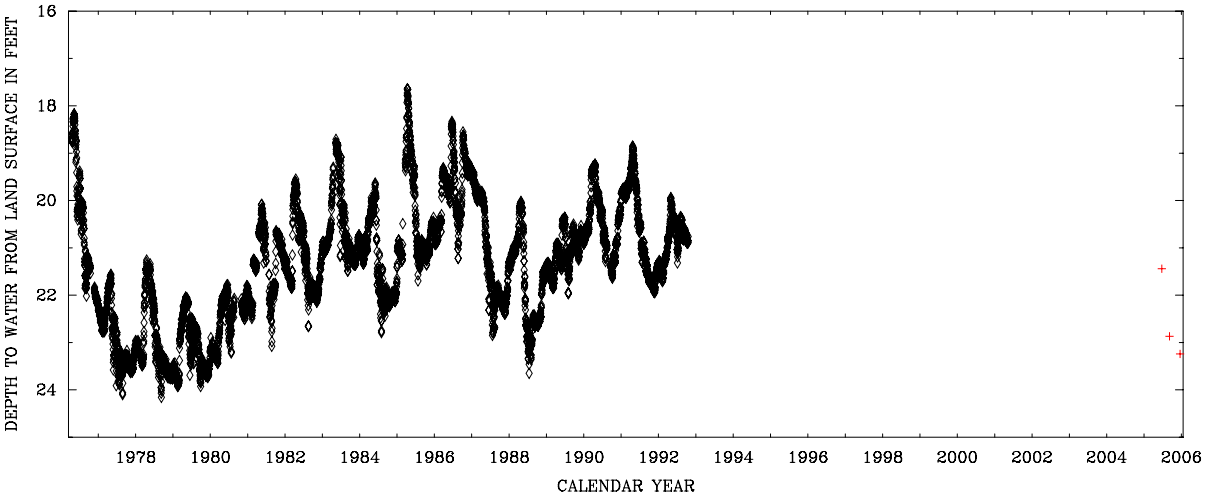
EXPLANATION

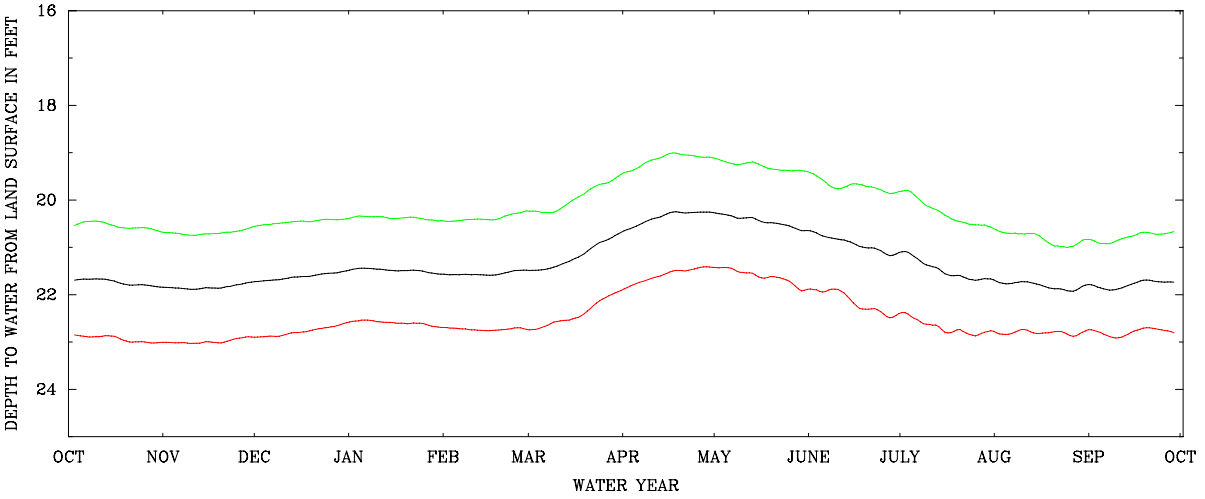
+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 424111084360701
PERIOD OF RECORD, WATER YEARS 1945-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 880.15 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 204 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

04N 01W 28BCAD 01 INGHAM CO (OKEMOS SCIENCE PKWY)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER

\+ GWSI TAPE-DOWN MEASUREMENTS

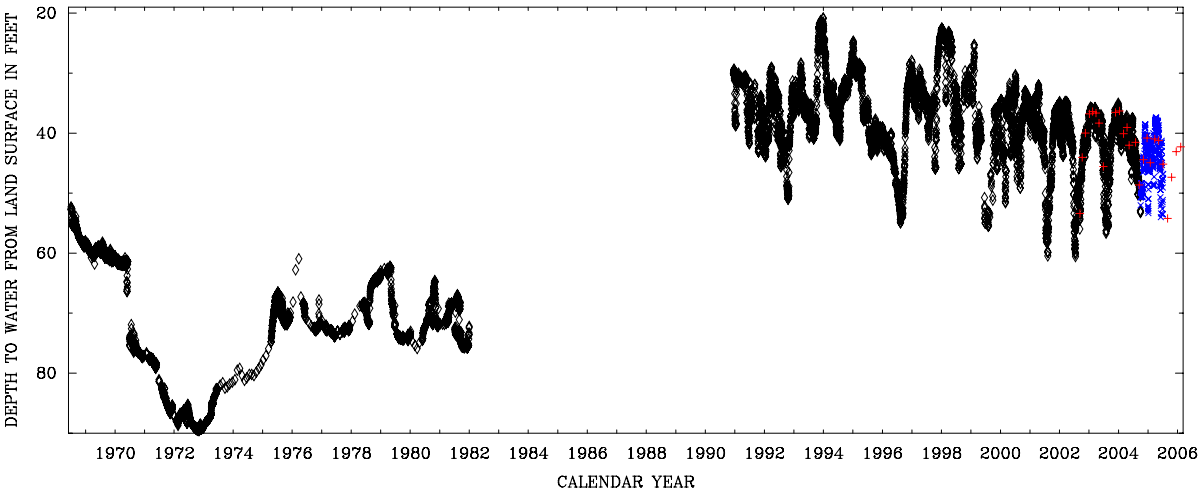
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

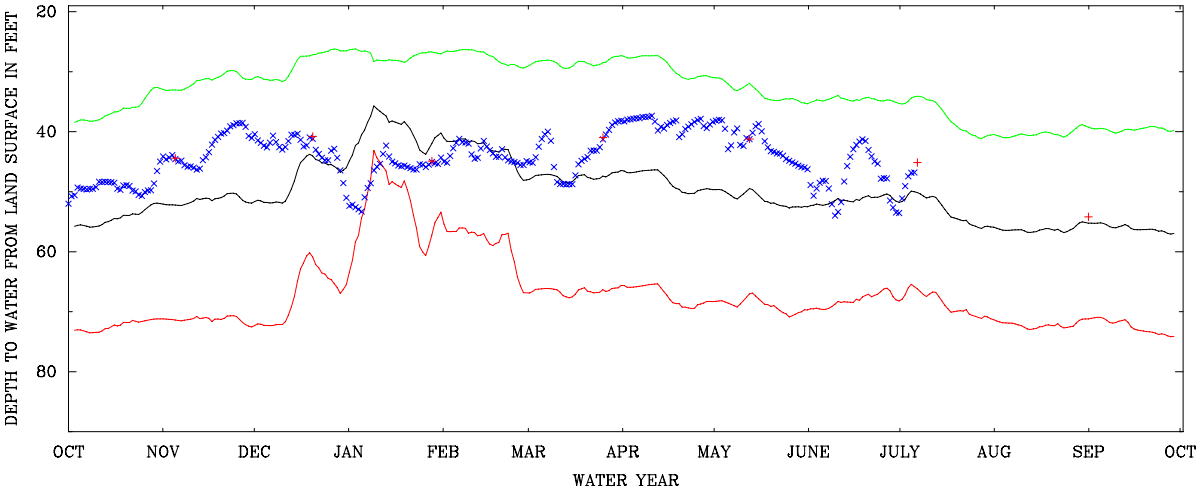
5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 424225084261401
PERIOD OF ADAPS RECORD, WATER YEARS 1976-1993, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 860 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 125 FT, PRIMARY AQUIFER DESIGNATION:SAGINAW FORMATION
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

04N 02W 26BBDB 01 INGHAM CO (FENNER ARBORETUM)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS
× 2005 DAILY MAXIMUM DEPTH TO WATER
PROVISIONAL DATA SUBJECT TO REVISION

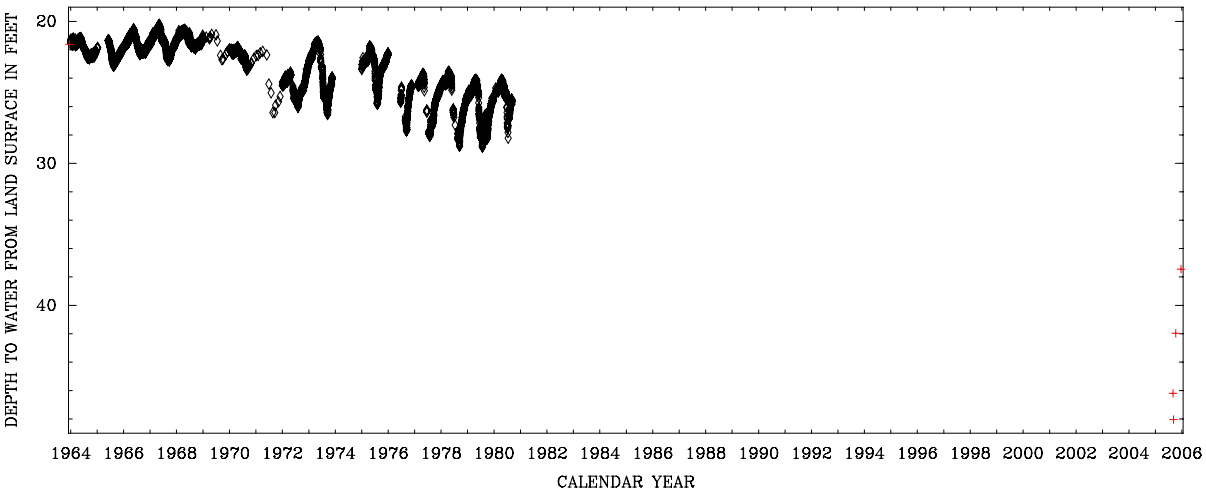
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

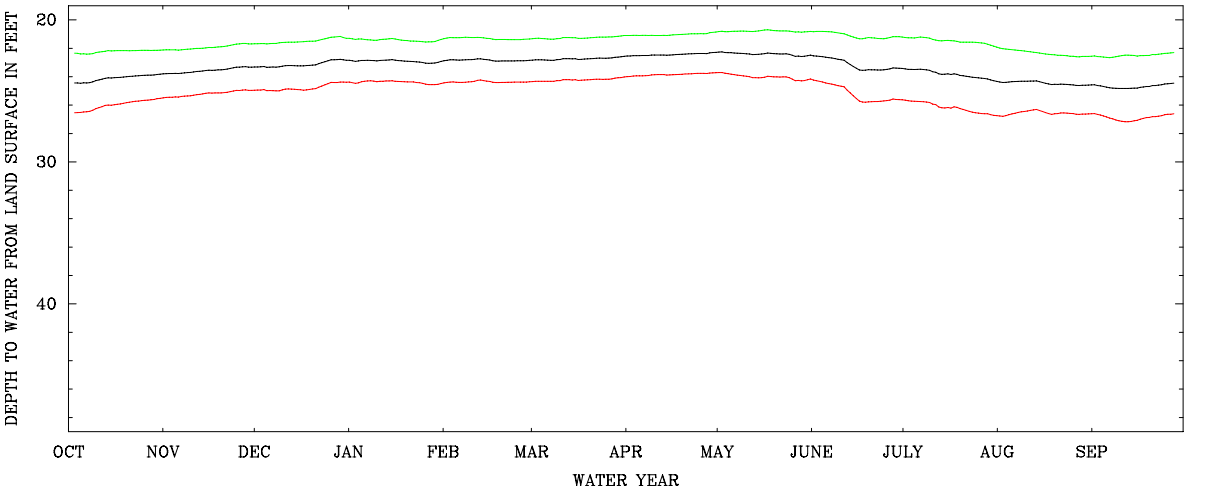
5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 424235084311201
PERIOD OF ADAPS RECORD, WATER YEARS 1968-2005, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 835 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 215 FT, PRIMARY AQUIFER DESIGNATION:SAGINAW FORMATION
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

04N 01E 21CDDA01 INGHAM CO (SHERWOOD RD WELL)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS

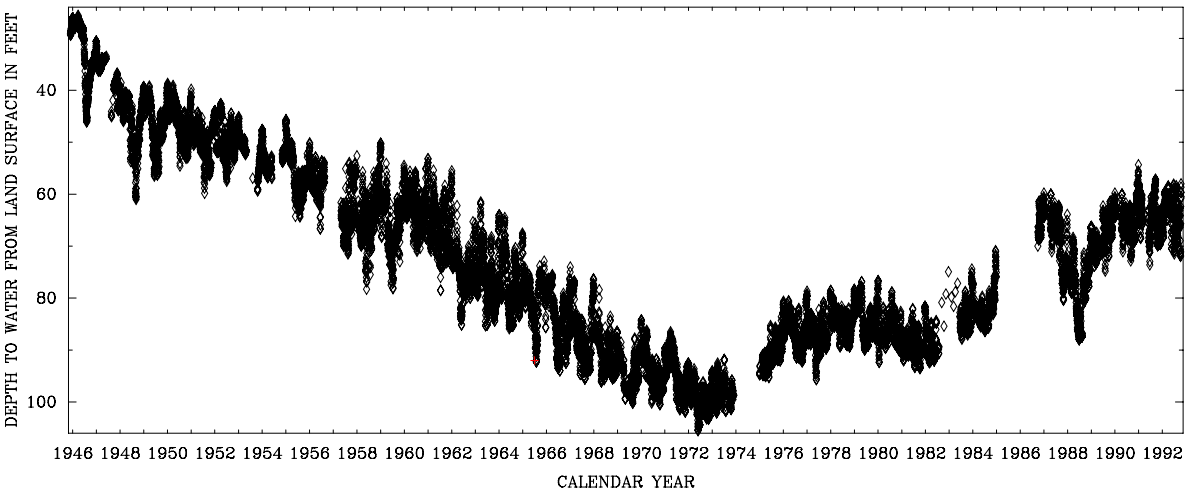
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

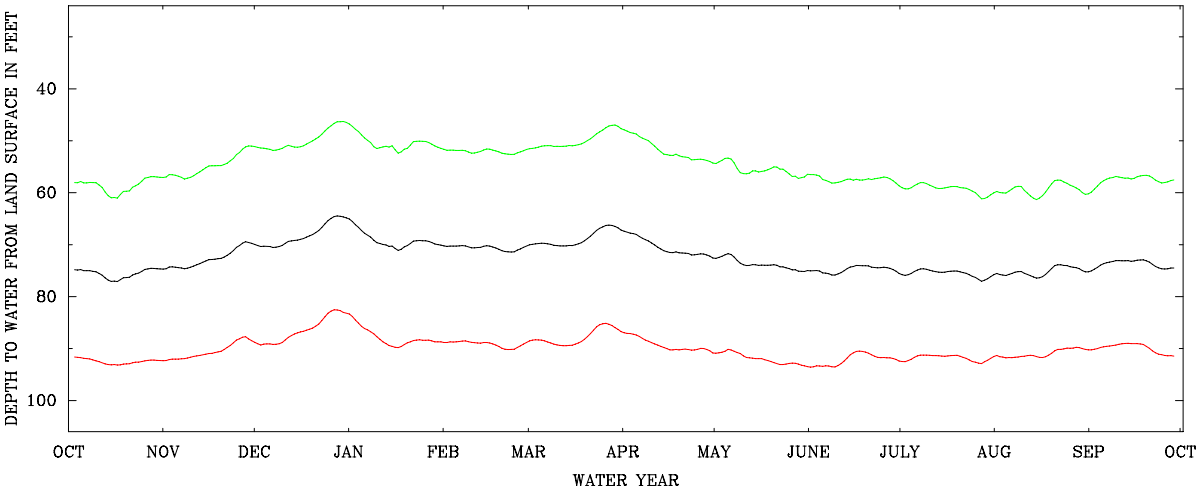
5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 424300084201001
PERIOD OF ADAPS RECORD, WATER YEARS 1964-1980, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 890 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 265 FT, PRIMARY AQUIFER DESIGNATION:SAGINAW FORMATION
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

04N 02W 24CABD 01 INGHAM CO (SPARTAN VILLAGE)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS

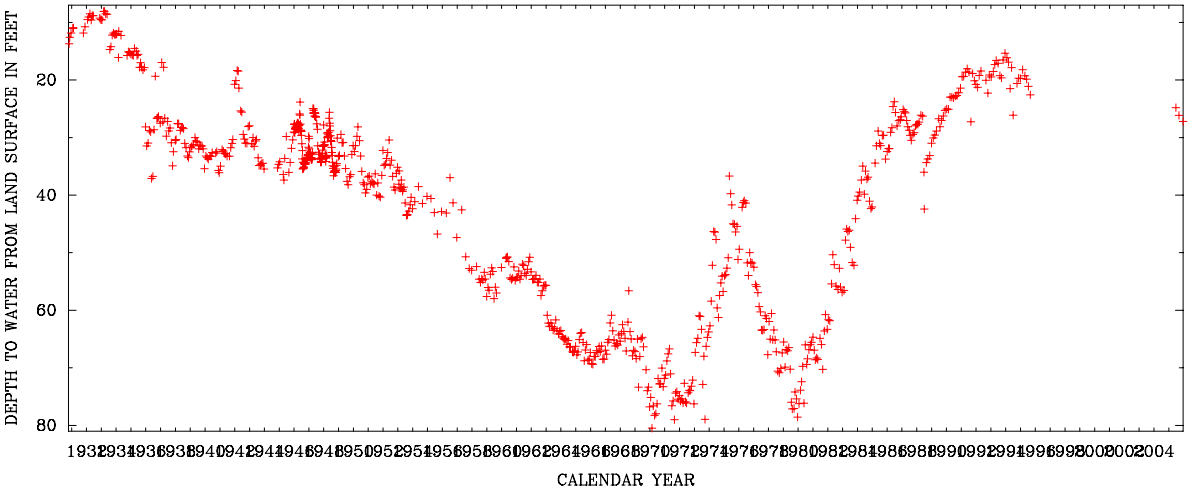
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 424303084295001
PERIOD OF ADAPS RECORD, WATER YEARS 1946-1993, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 853.0 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 453 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

04N 02W 22BC 01 INGHAM CO. (P-5)



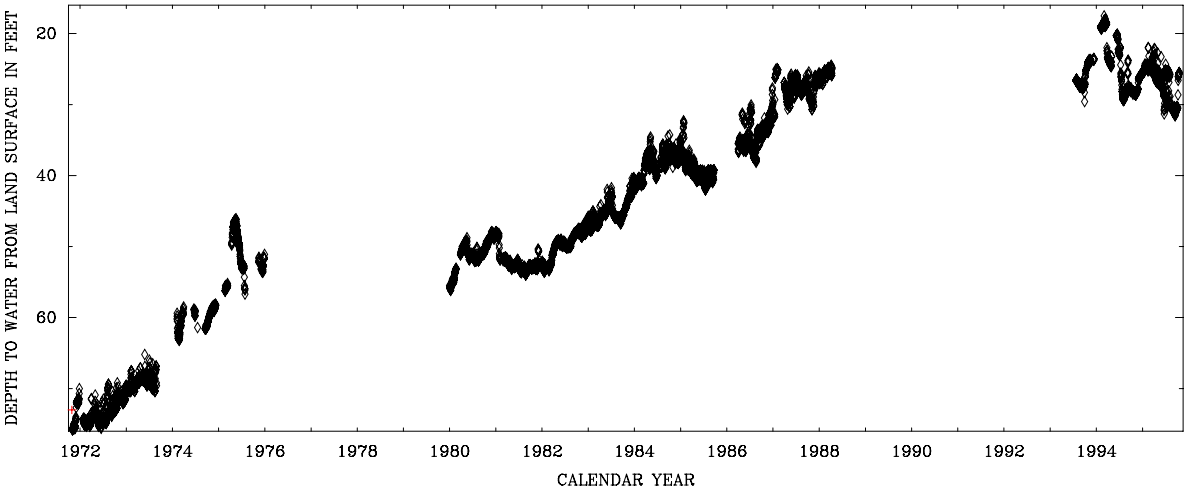
EXPLANATION

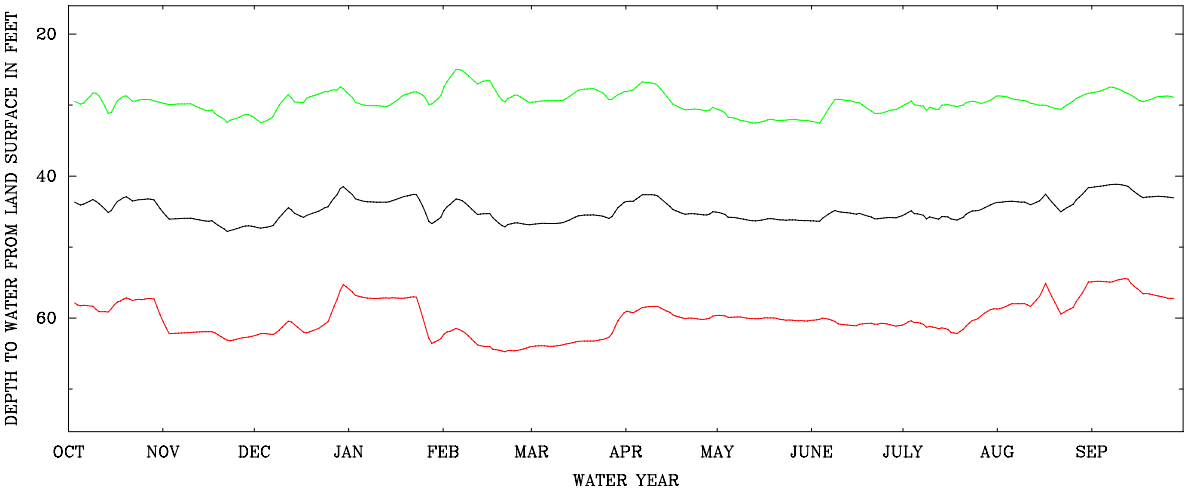
+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 424312084321801
PERIOD OF RECORD, WATER YEARS 1931-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 837 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 338 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

04N 02W 21BADB 01 INGHAM CO. (SCOTT PARK)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS

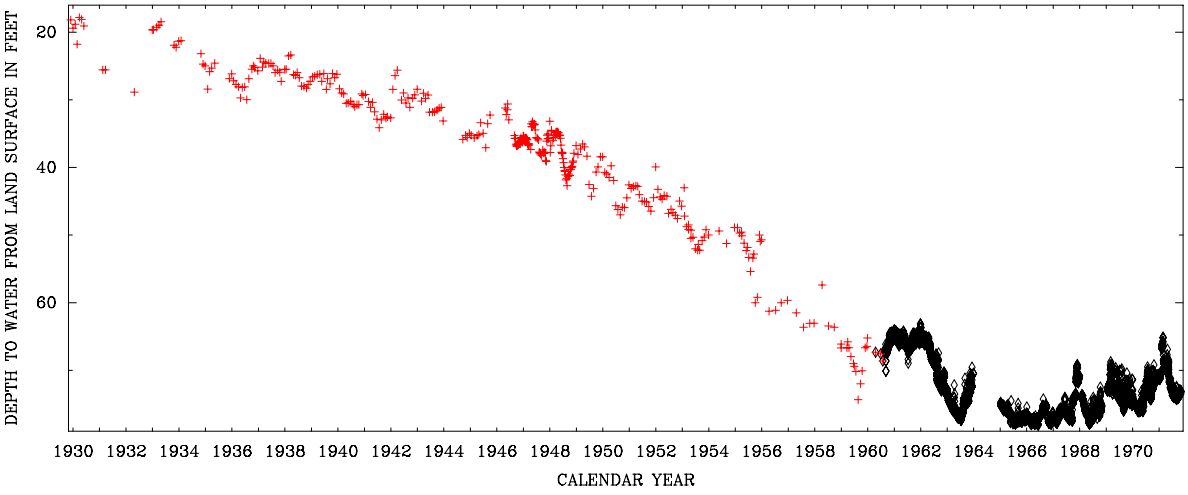
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

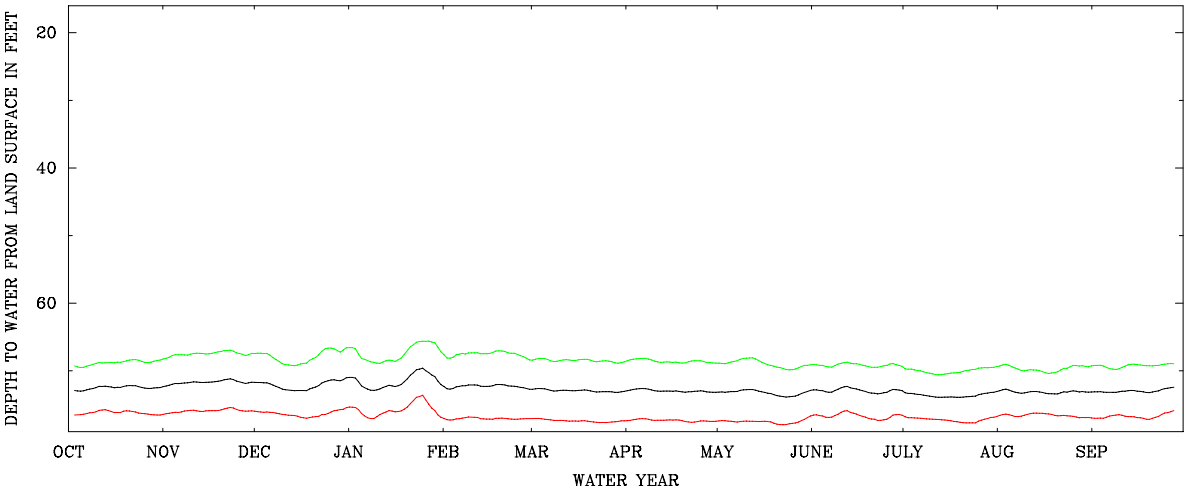
5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 424324084331801
PERIOD OF ADAPS RECORD, WATER YEARS 1972-1996, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 835 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 400 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

04N 02W 21BA 01 INGHAM CO (TOWNSEND)





EXPLANATION

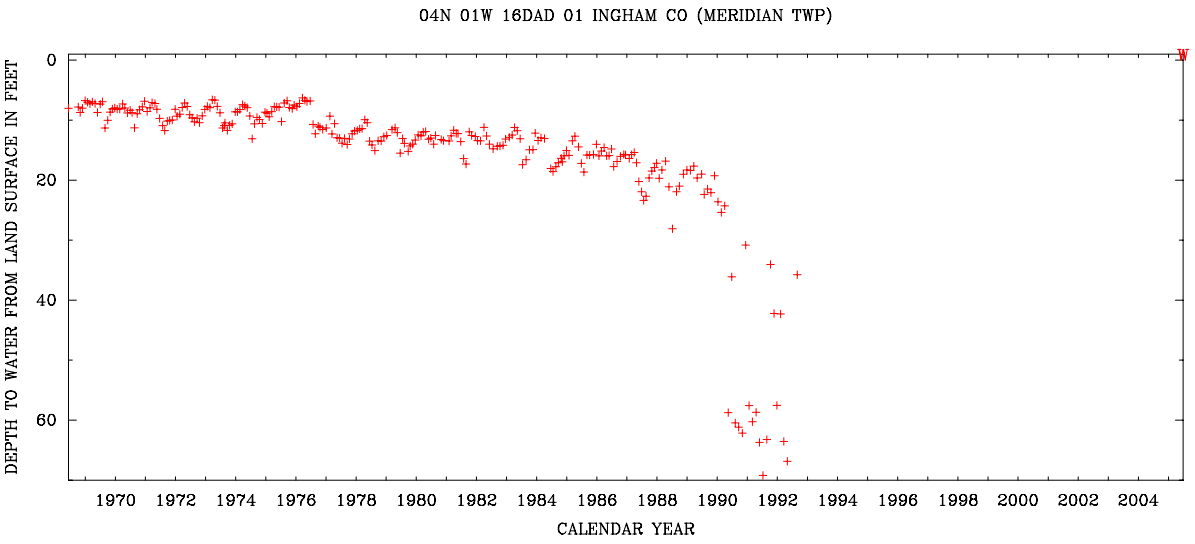
◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS

AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 424324084331802
PERIOD OF ADAPS RECORD, WATER YEARS 1960-1972, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 834.10 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 410 FT, PRIMARY AQUIFER DESIGNATION:SAGINAW FORMATION
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903



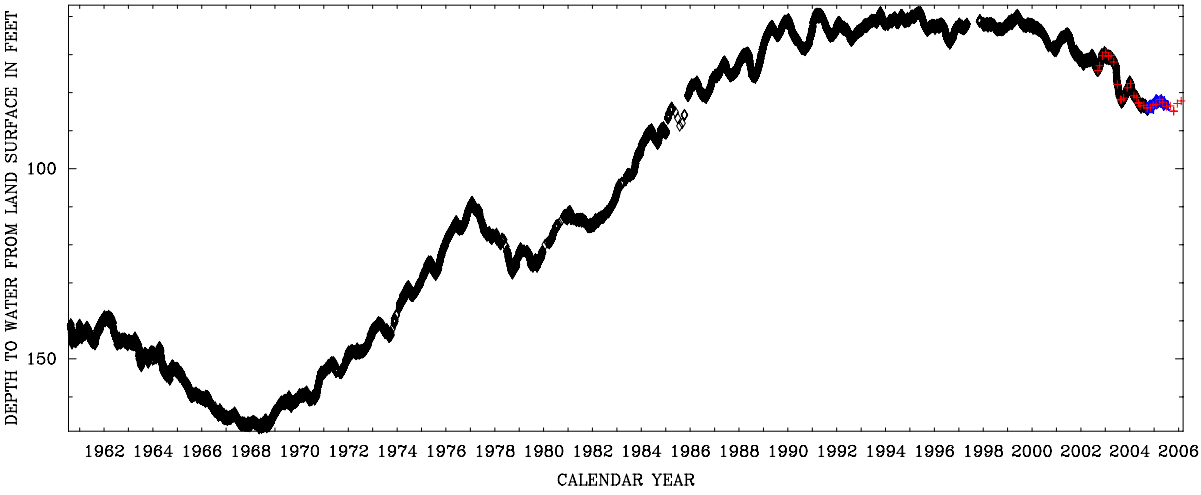
EXPLANATION

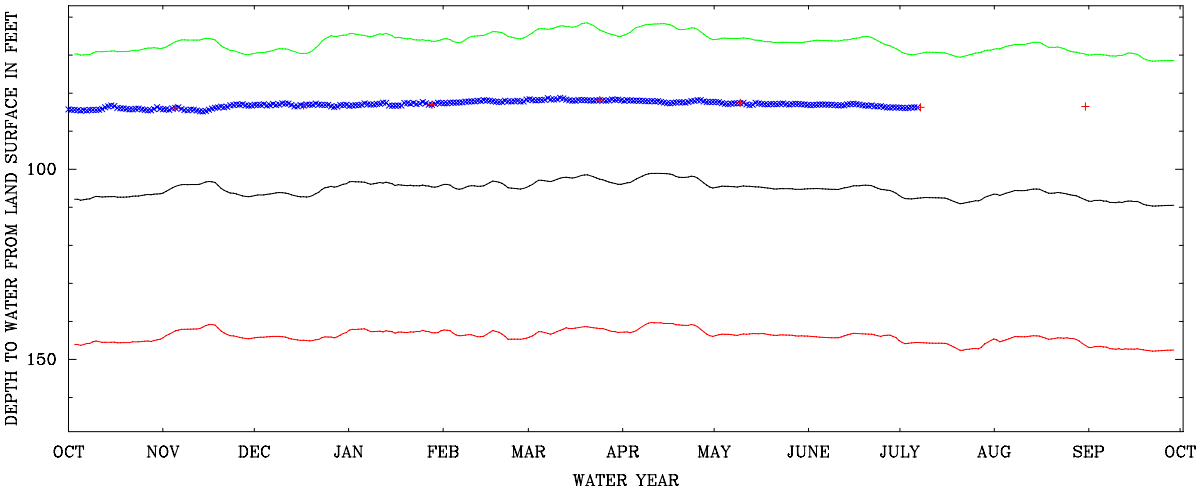
+	GWSI TAPE-DOWN MEASUREMENTS
W	THE WELL WAS DESTROYED (NO WATER LEVEL IS RECORDED).

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 424349084252501
PERIOD OF RECORD, WATER YEARS 1968-2005, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 840 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 398 FT, PRIMARY AQUIFER DESIGNATION:SAGINAW FORMATION
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

04N 02W 17ABAA 01 INGHAM CO (LOGAN)





EXPLANATION

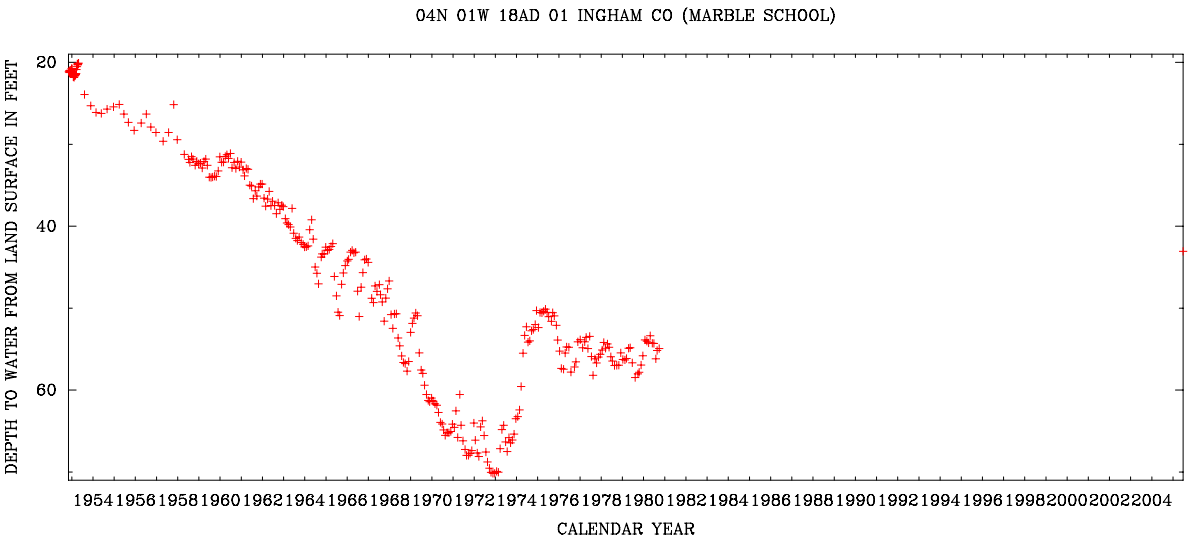
◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS
× 2005 DAILY MAXIMUM DEPTH TO WATER
PROVISIONAL DATA SUBJECT TO REVISION

AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 424424084340301
PERIOD OF ADAPS RECORD, WATER YEARS 1960-2005, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 858.72 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 424 FT, PRIMARY AQUIFER DESIGNATION:SAGINAW FORMATION
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903



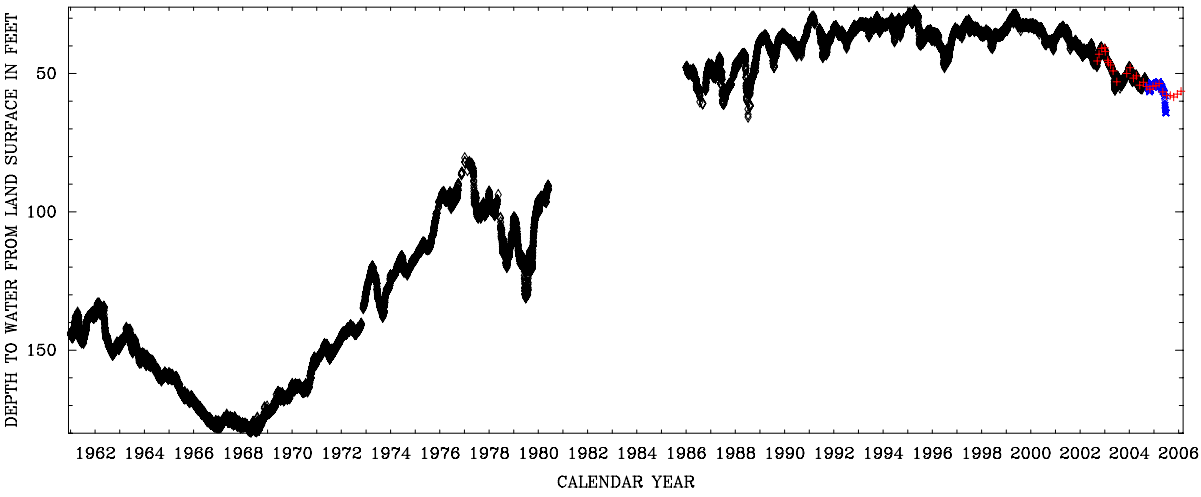
EXPLANATION

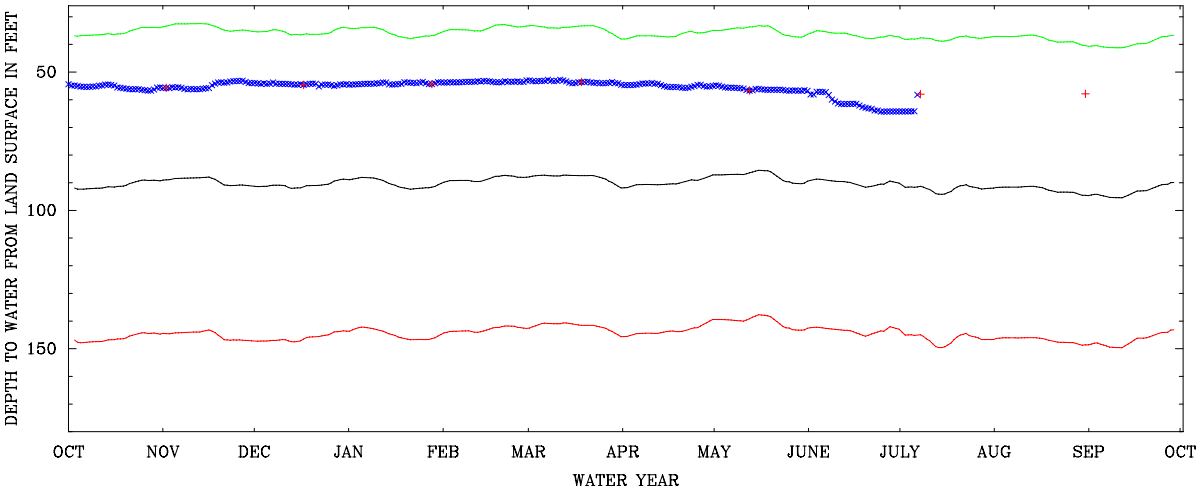
+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 424455084274601
PERIOD OF RECORD, WATER YEARS 1953-2005, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 845.35 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 175 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

04N 02W 09BDAD 01 INGHAM CO (SEYMOUR)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS
× 2005 DAILY MAXIMUM DEPTH TO WATER
PROVISIONAL DATA SUBJECT TO REVISION

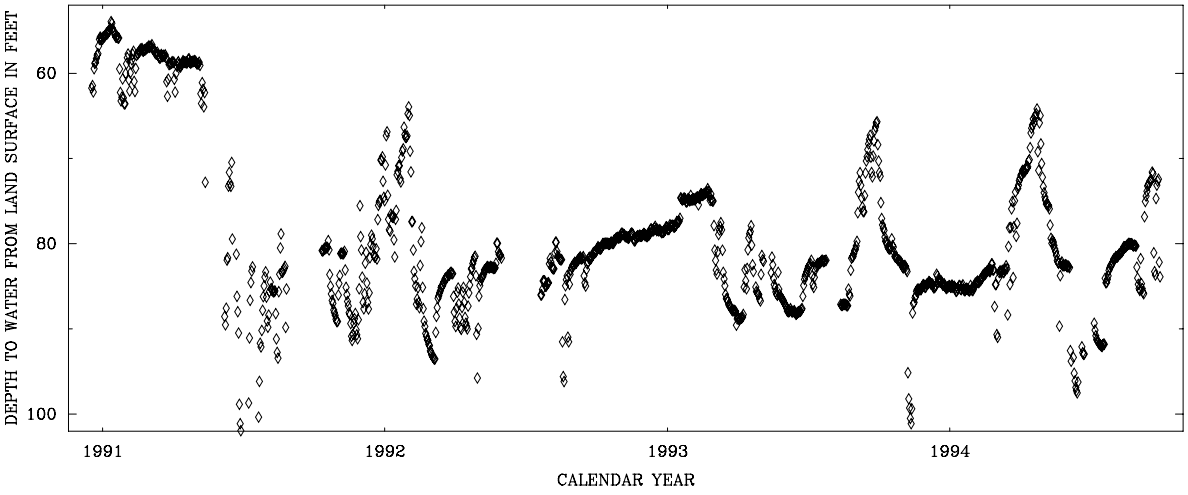
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 424502084331301
PERIOD OF ADAPS RECORD, WATER YEARS 1961-2005, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 828.81 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 401 FT, PRIMARY AQUIFER DESIGNATION:SAGINAW FORMATION
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

04N 02W 05CDDD 01 INGHAM CO. (MUSKEGON ST)



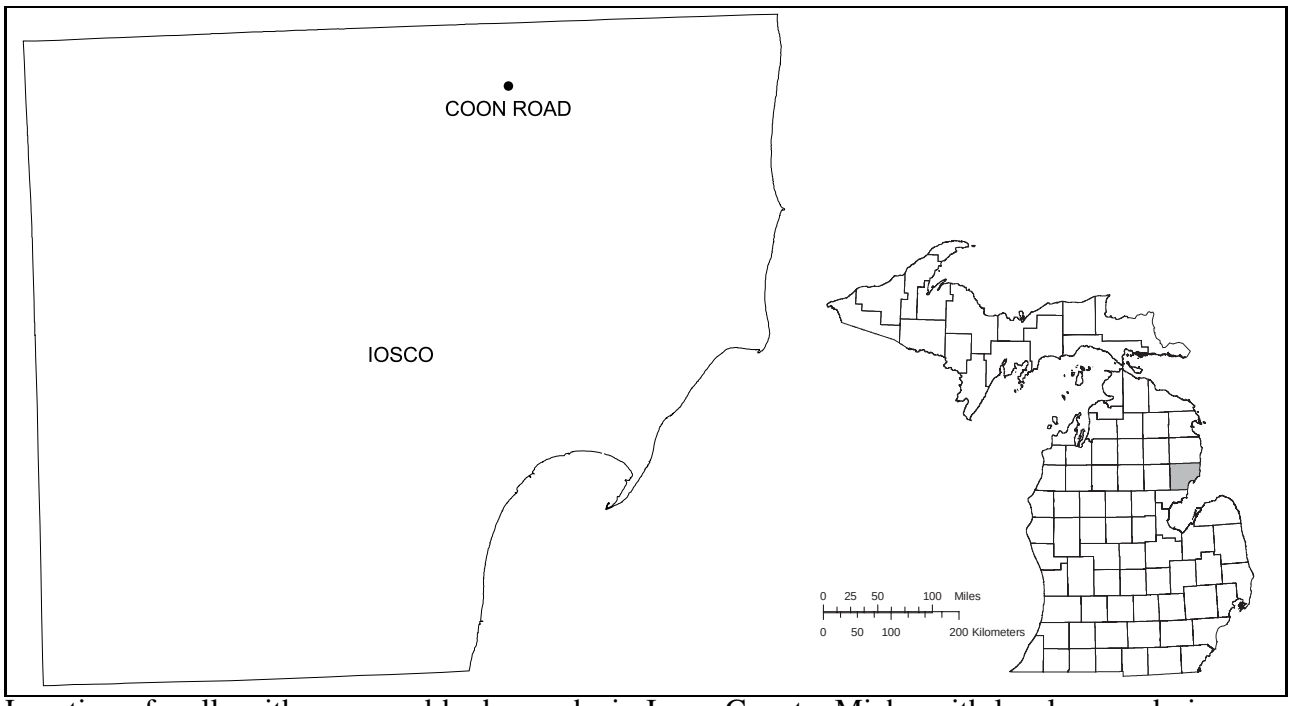
EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER

PERIOD OF ADAPS RECORD TOO SHORT TO GENERATE
MEANINGFUL WATER-YEAR SUMMARY

USGS STATION 424521084342101
PERIOD OF ADAPS RECORD, WATER YEARS 1991-1994, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 830 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 418 FT, PRIMARY AQUIFER DESIGNATION:SAGINAW FORMATION
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

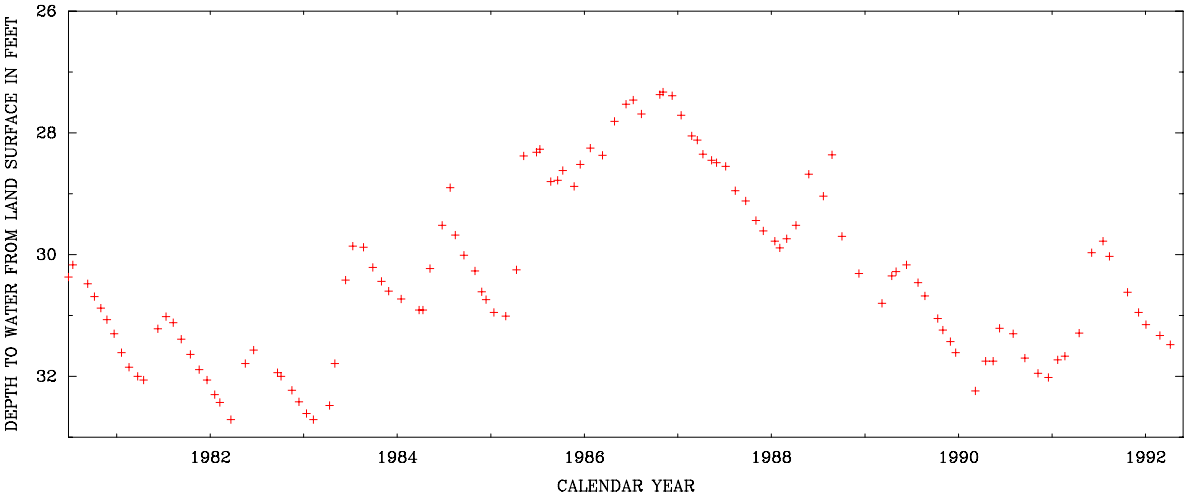
Iosco County



Location of wells with recovered hydrographs in Iosco County, Mich., with local name designation.

USGS STATION No.	USGS STATION NAME
442839083312301	24N 07E 13ADAD01 IOSCO CO (COON ROAD)

24N 07E 13ADAD01 IOSCO CO (COON ROAD)



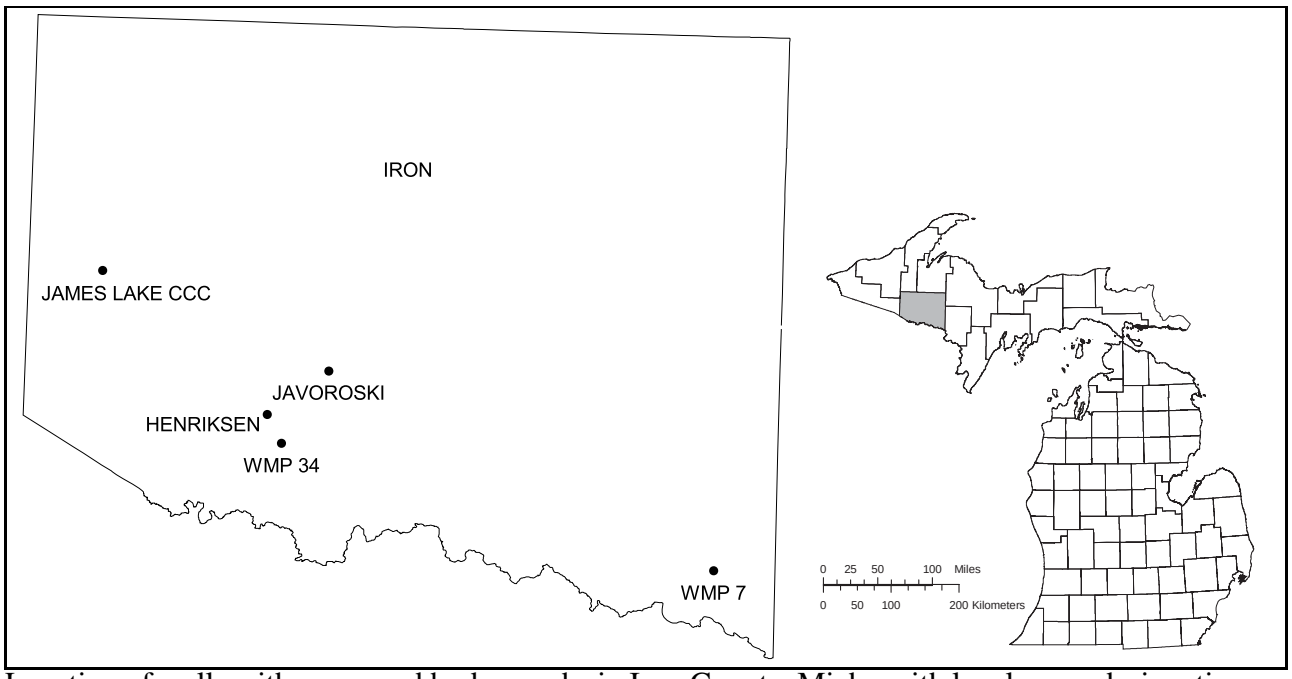
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 442839083312301
PERIOD OF RECORD, WATER YEARS 1980-1992, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 760 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 69.0 FT, PRIMARY AQUIFER DESIGNATION:SAND
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

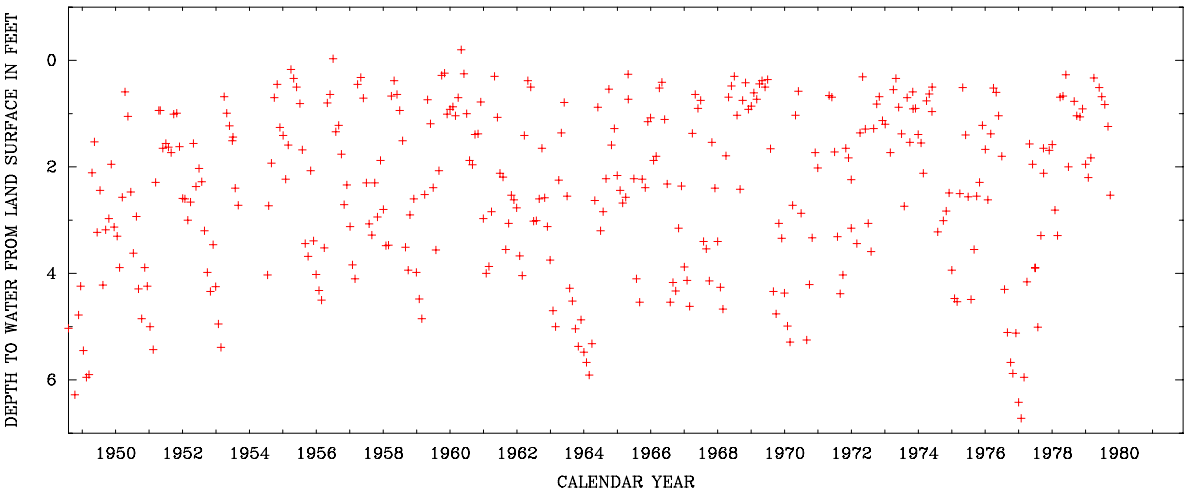
Iron County



Location of wells with recovered hydrographs in Iron County, Mich., with local name designation.

USGS STATION No.	USGS STATION NAME
425924088111801	42N 31W 33DB 01 IRON CO (WMP 7)
460455088412901	43N 35W 33BD 01 IRON CO (WMP 34)
460617088423301	43N 35W 20DC 01 IRON CO (HENRIKSEN)
460829088382301	43N 35W 11AD 01 IRON CO (JAVOROSKI)
461257088542001	44N 37W 14BB 01 IRON CO (JAMES LAKE CCC)

42N 31W 33DB 01 IRON CO (WMP 7)

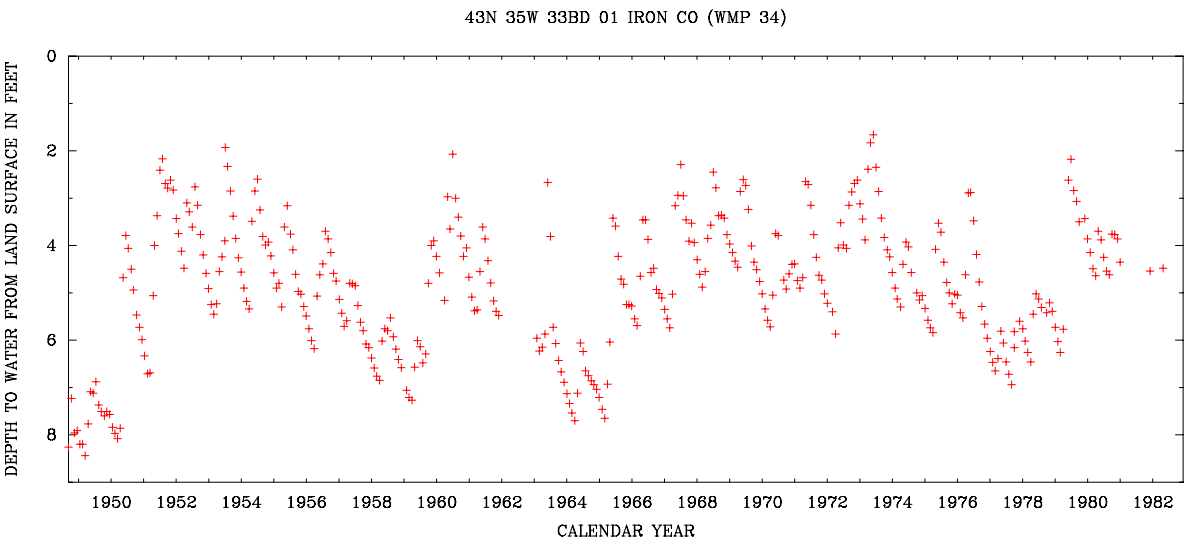


EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 425924088111801
PERIOD OF RECORD, WATER YEARS 1948-1982, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 1275 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 8.0 FT, PRIMARY AQUIFER DESIGNATION:GLACIAL DEPOSITS,UNDIFFERENTIATED
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

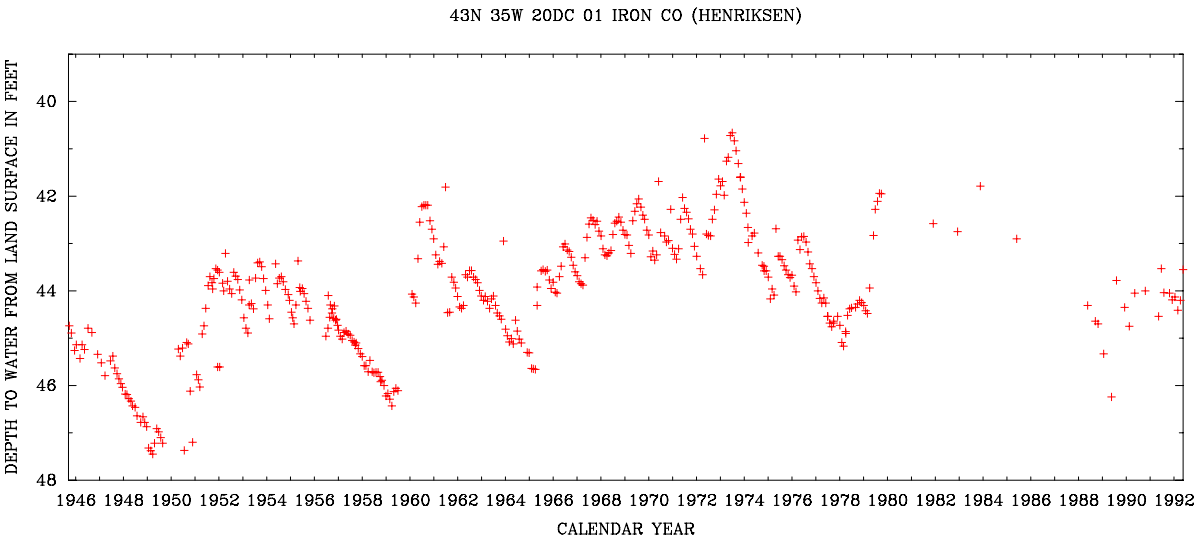


EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 460455088412901
PERIOD OF RECORD, WATER YEARS 1948-1983, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 1520 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 12.0 FT, PRIMARY AQUIFER DESIGNATION:GLACIAL DEPOSITS,UNDIFFERENTIATED
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903



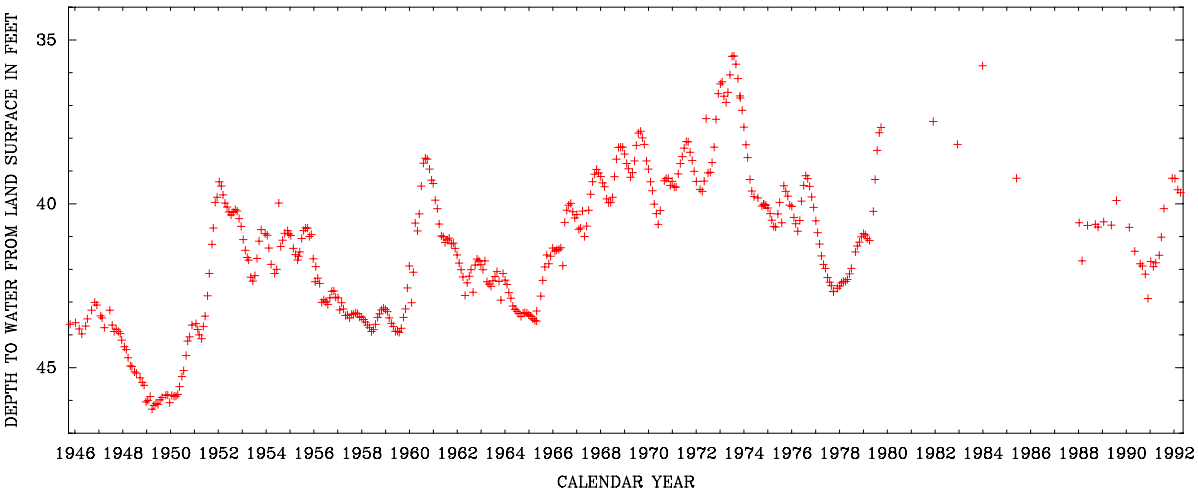
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 460617088423301
PERIOD OF RECORD, WATER YEARS 1945-1992, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 1560 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 48.0 FT, PRIMARY AQUIFER DESIGNATION:GLACIAL DEPOSITS,UNDIFFERENTIATED
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

43N 35W 11AD 01 IRON CO (JAVOROSKI)

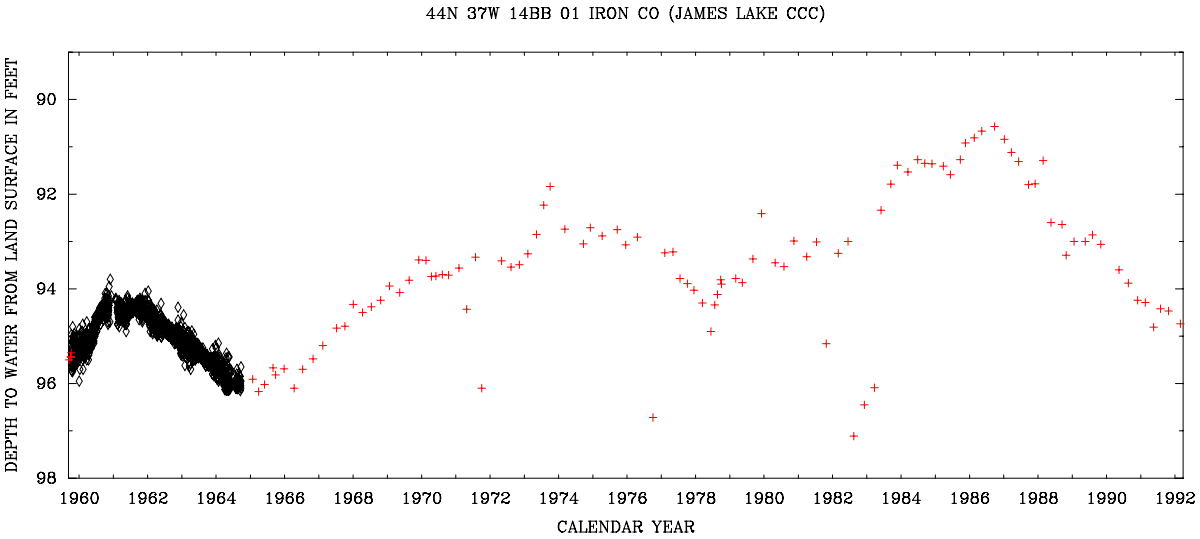


EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 460829088382301
PERIOD OF RECORD, WATER YEARS 1945-1992, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 1565 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 47.0 FT, PRIMARY AQUIFER DESIGNATION:GLACIAL DEPOSITS,UNDIFFERENTIATED
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903



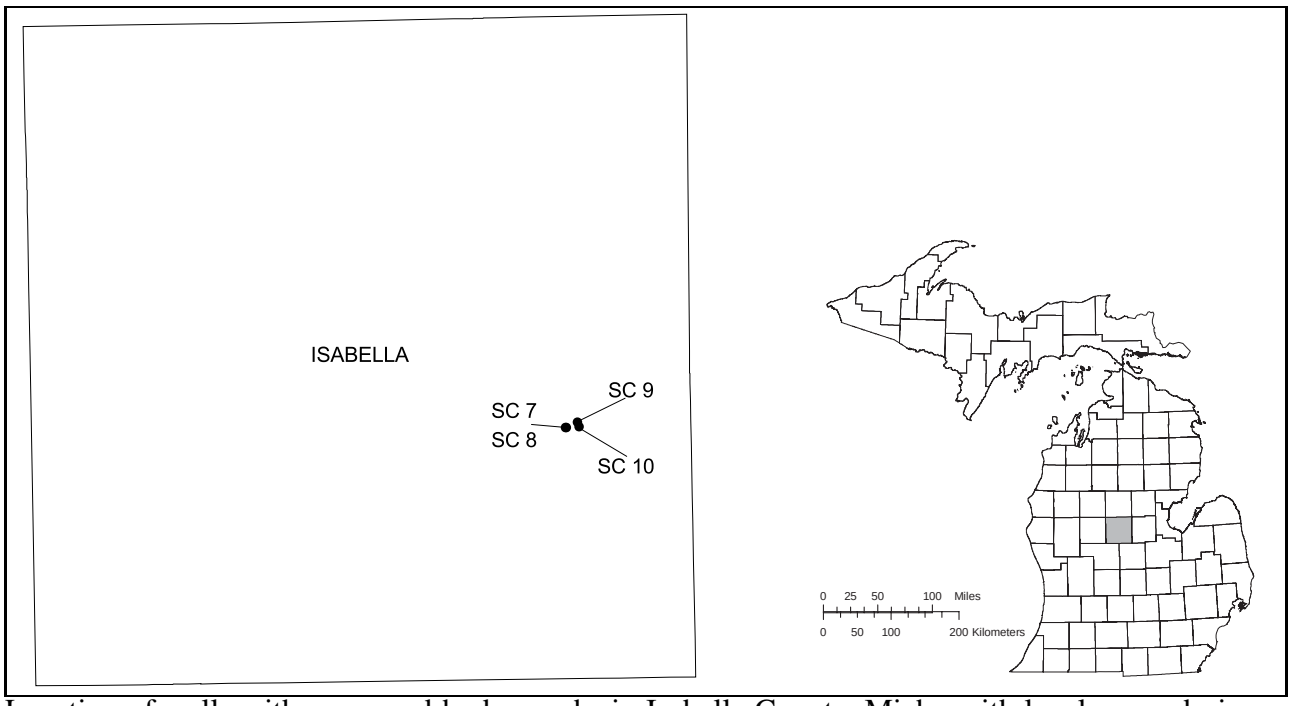
EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS

PERIOD OF ADAPS RECORD TOO SHORT TO GENERATE
MEANINGFUL WATER-YEAR SUMMARY

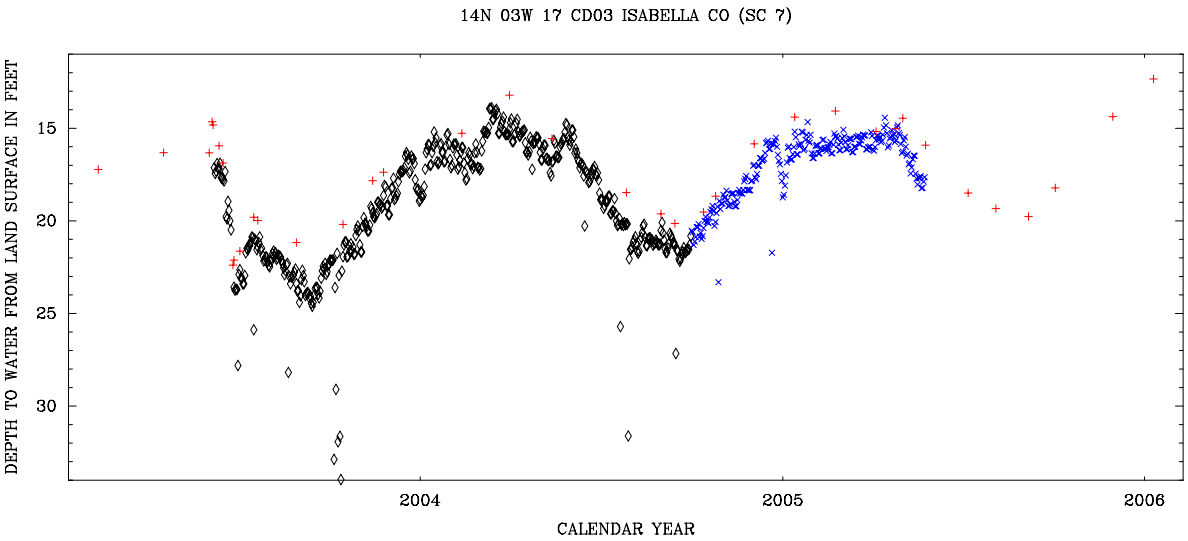
USGS STATION 461257088542001
PERIOD OF ADAPS RECORD, WATER YEARS 1960-1964, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 1730 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 102 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

Isabella County



Location of wells with recovered hydrographs in Isabella County, Mich., with local name designation.

USGS STATION No.	USGS STATION NAME
433554084415401	14N 03W 17 CD03 ISABELLA CO (SC 7)
433554084415601	14N 03W 17 CD02 ISABELLA CO (SC 8)
433555084412101	14N 03W 17 DD01 ISABELLA CO (SC 10)
433604084412501	14N 03W 17 DA01 ISABELLA CO (SC 9)

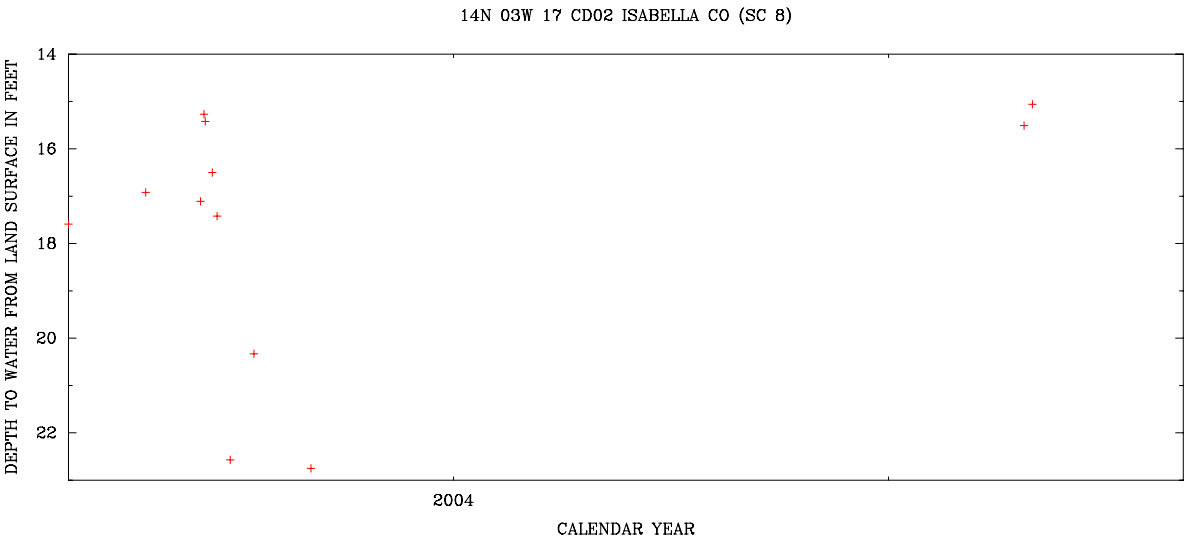


EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS
× 2005 DAILY MAXIMUM DEPTH TO WATER
PROVISIONAL DATA SUBJECT TO REVISION

PERIOD OF ADAPS RECORD TOO SHORT TO GENERATE
MEANINGFUL WATER-YEAR SUMMARY

USGS STATION 433554084415401
PERIOD OF ADAPS RECORD, WATER YEARS 2003-2005, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 752 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 301.5 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

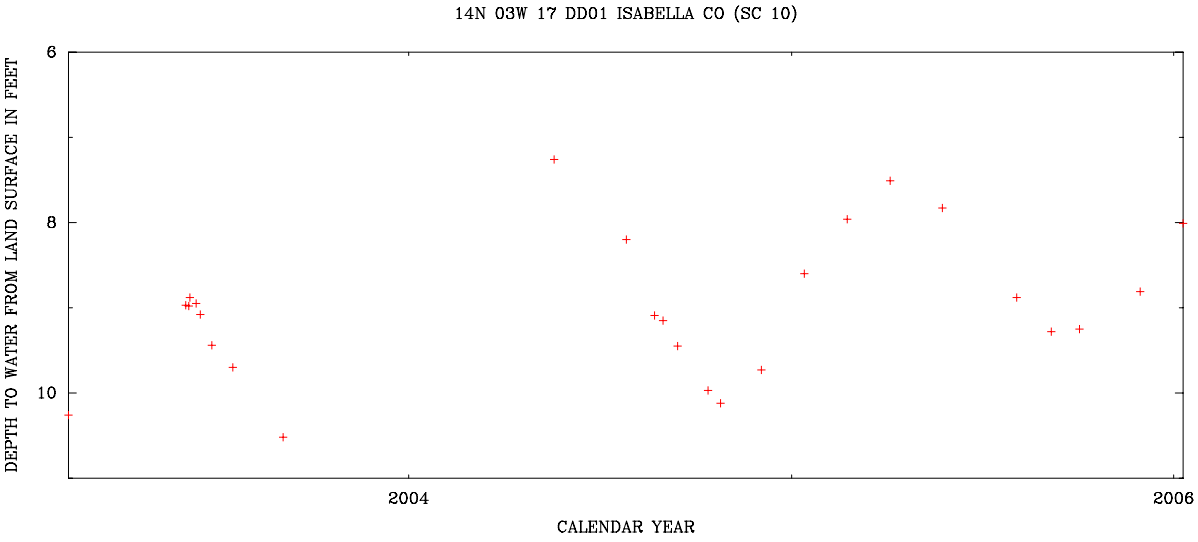


EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 433554084415601
PERIOD OF RECORD, WATER YEARS 2003-2005, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 753 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

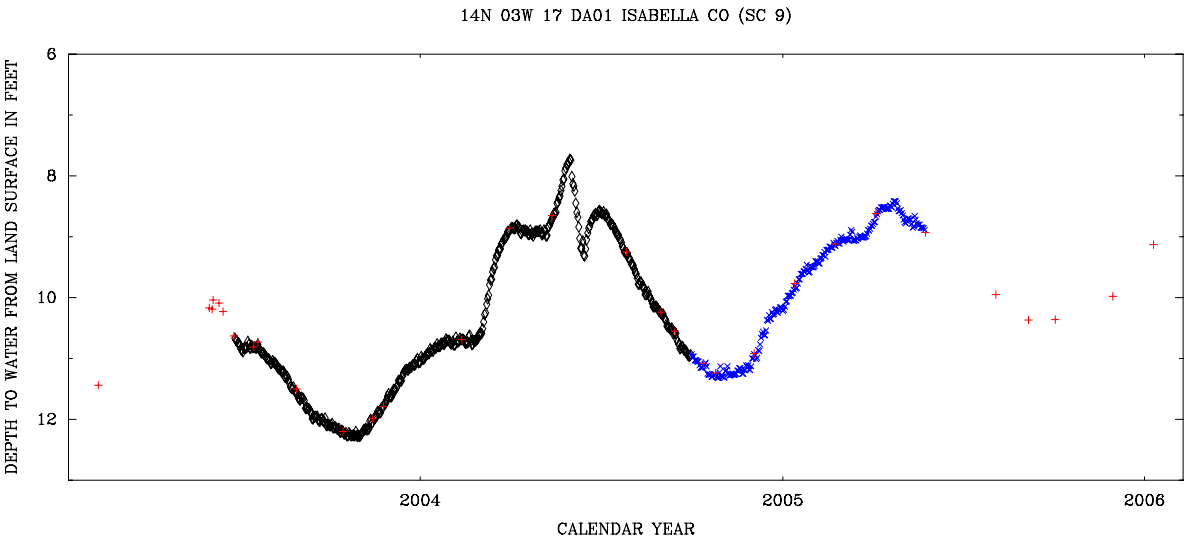


EXPLANATION

GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 433555084412101
PERIOD OF RECORD, WATER YEARS 2003-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 745 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 87.8 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903



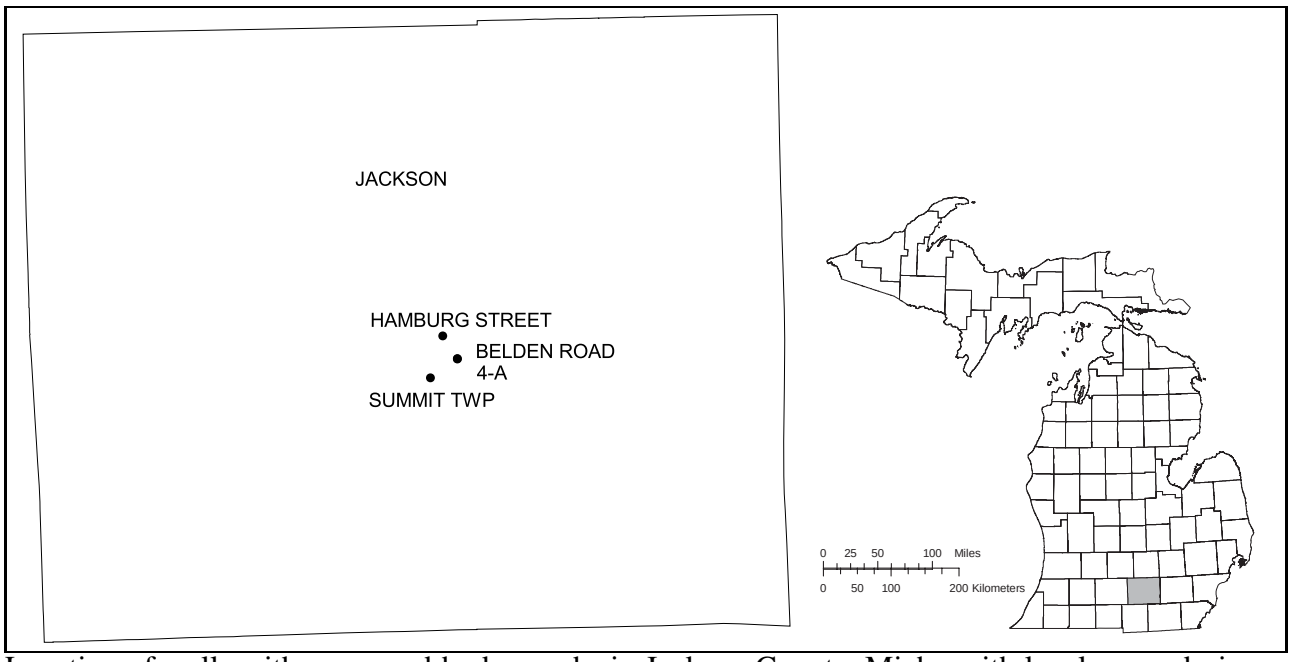
EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS
× 2005 DAILY MAXIMUM DEPTH TO WATER
PROVISIONAL DATA SUBJECT TO REVISION

PERIOD OF ADAPS RECORD TOO SHORT TO GENERATE
MEANINGFUL WATER-YEAR SUMMARY

USGS STATION 433604084412501
PERIOD OF ADAPS RECORD, WATER YEARS 2003-2005, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 750 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 136 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

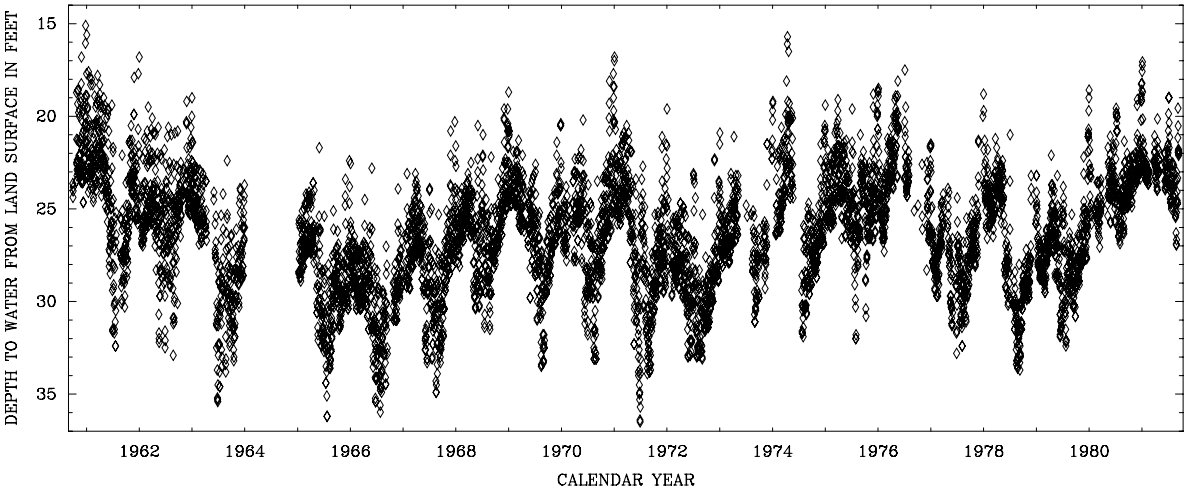
Jackson County

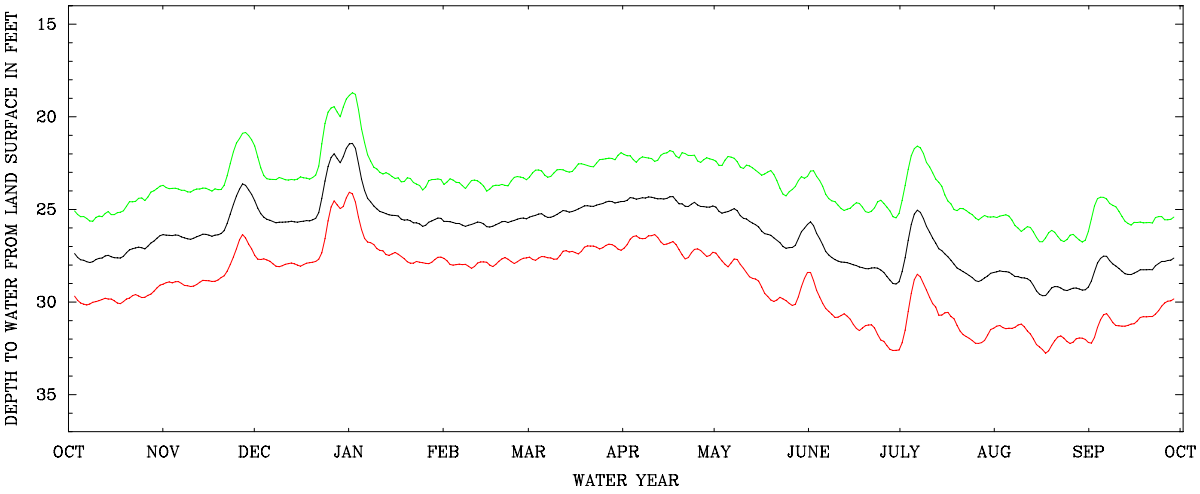


Location of wells with recovered hydrographs in Jackson County, Mich., with local name designation.

USGS STATION No.	USGS STATION NAME
421308084242401	03S 01W 10DCDA 01 JACKSON CO (SUMMIT TWP)
421346084230801	03S 01W 11AADD 01 JACKSON CO (4-A WELL)
421347084230801	03S 01W 11AADD02 JACKSON CO (BELDEN ROAD)
421435084234801	03S 01W 02BDBA01 JACKSON CO (HAMBURG STREET)

03S 01W 10DCDA 01 JACKSON CO (SUMMIT TWP)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER

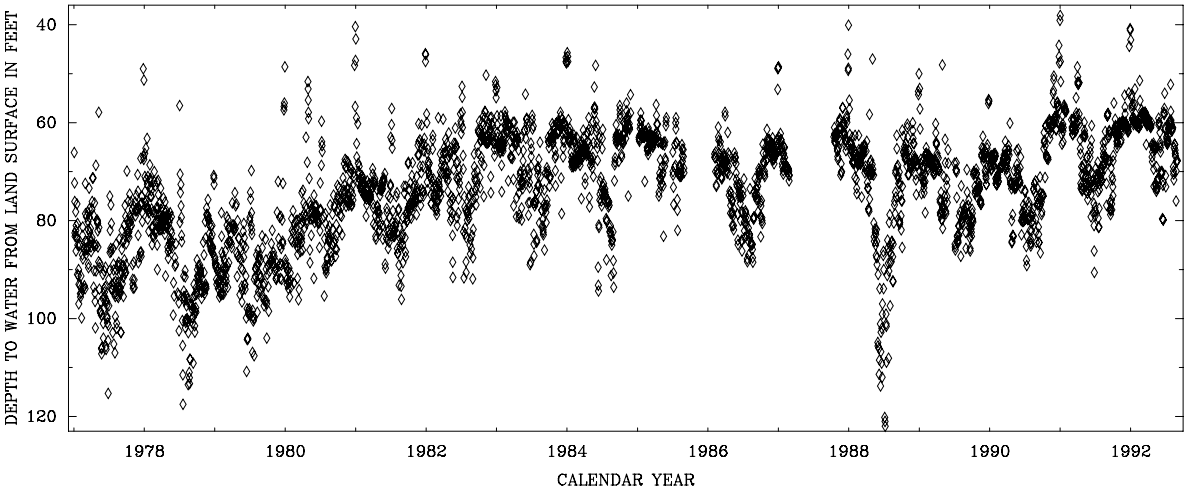
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

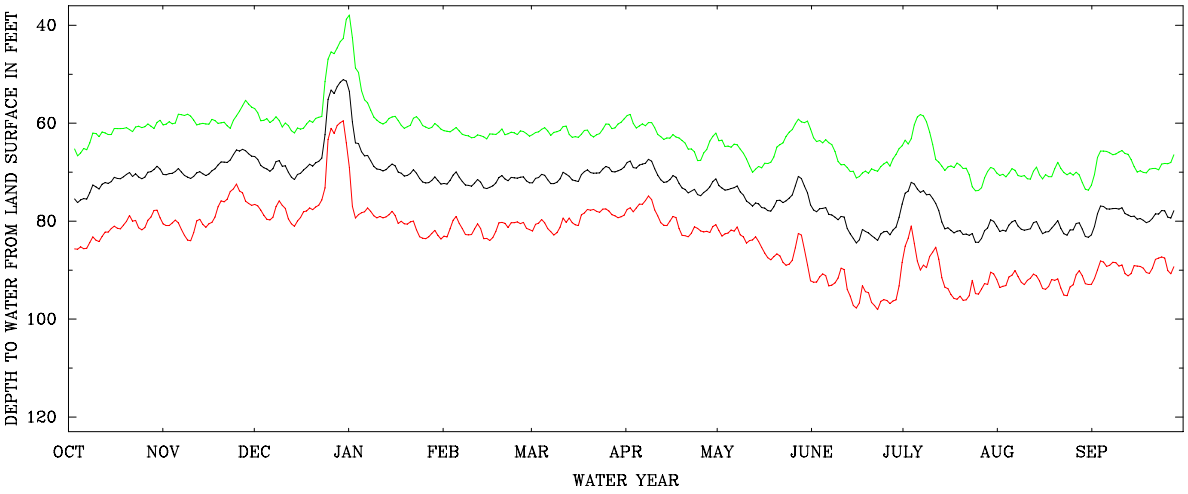
5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 421308084242401
PERIOD OF ADAPS RECORD, WATER YEARS 1960-1981, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 935 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 64.1 FT, PRIMARY AQUIFER DESIGNATION:SAGINAW-MARSHALL FORMATIONS
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

03S 01W 11AADD 01 JACKSON CO (4-A WELL)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER

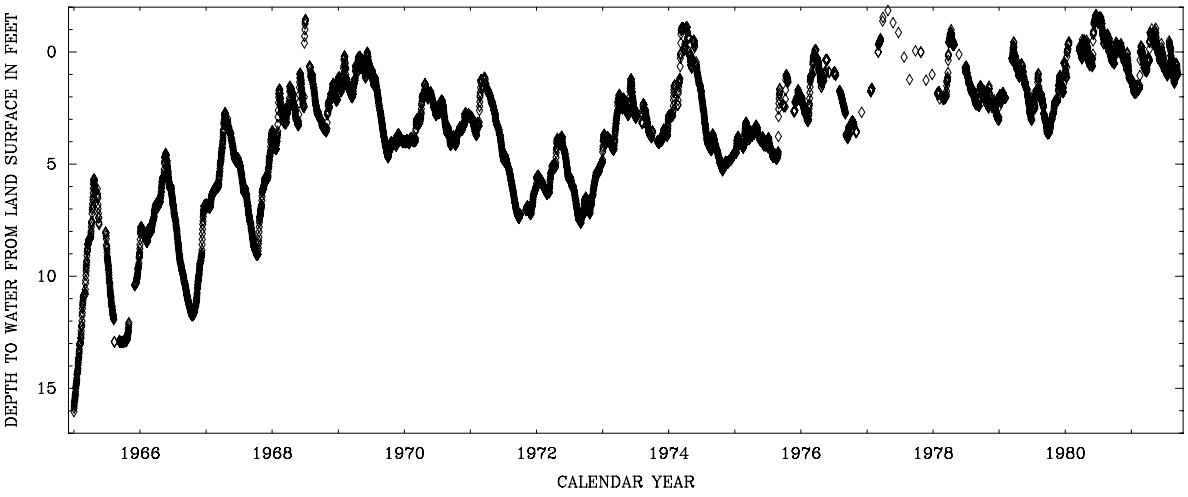
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

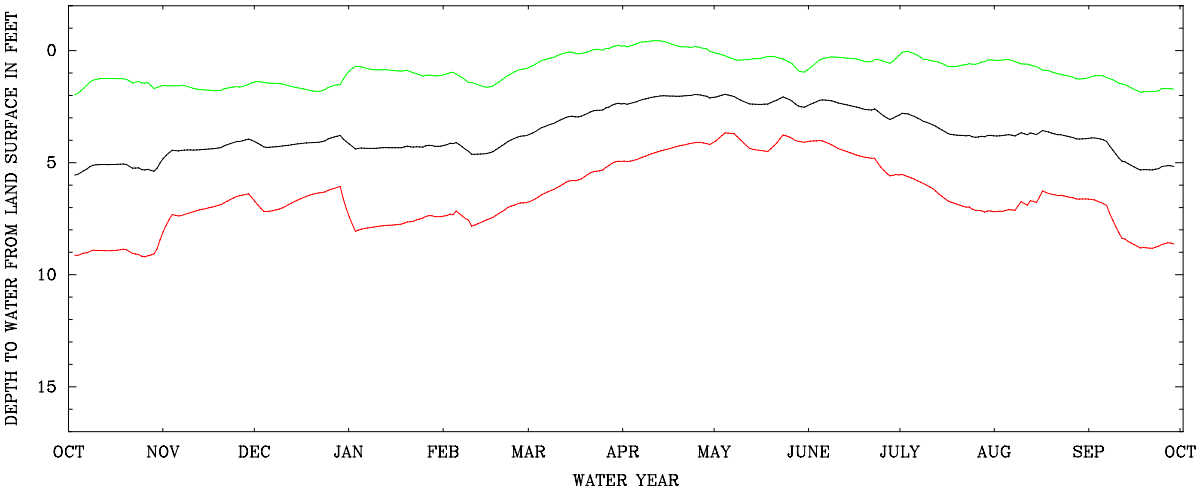
5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 421346084230801
PERIOD OF ADAPS RECORD, WATER YEARS 1977-1992, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 937.16 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 360 FT, PRIMARY AQUIFER DESIGNATION:MARSHALL FORMATION
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

03S 01W 11AADD02 JACKSON CO (BELDEN ROAD)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER

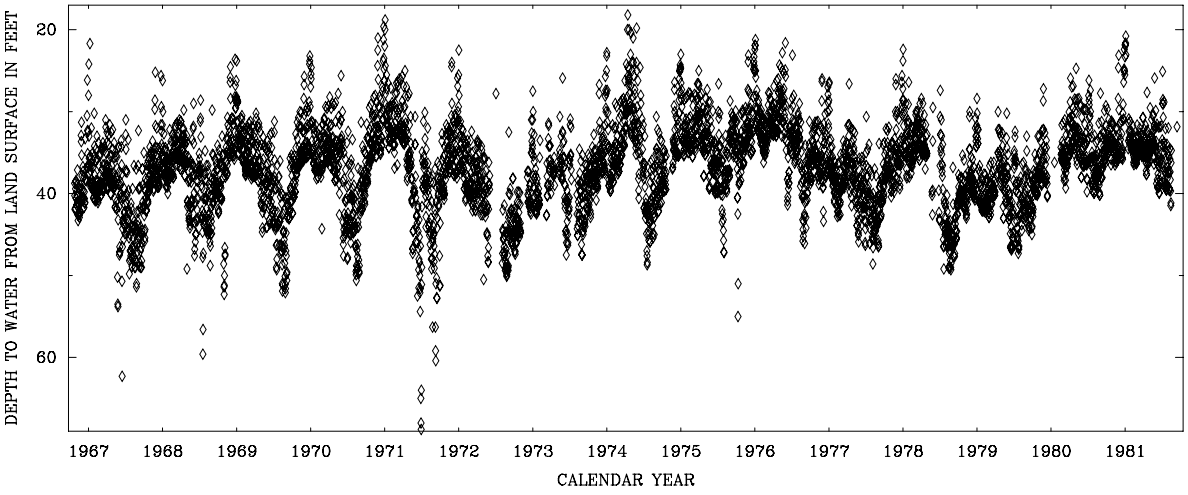
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

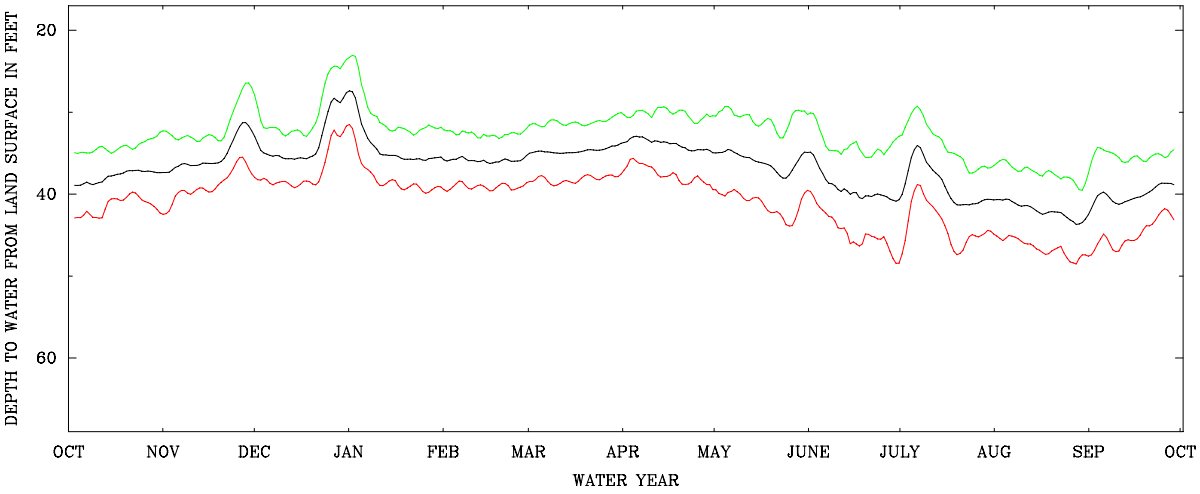
5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 421347084230801
PERIOD OF ADAPS RECORD, WATER YEARS 1965-1981, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 928.82 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 36 FT, PRIMARY AQUIFER DESIGNATION:OUTWASH
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

03S 01W 02BDBA01 JACKSON CO (HAMBURG STREET)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER

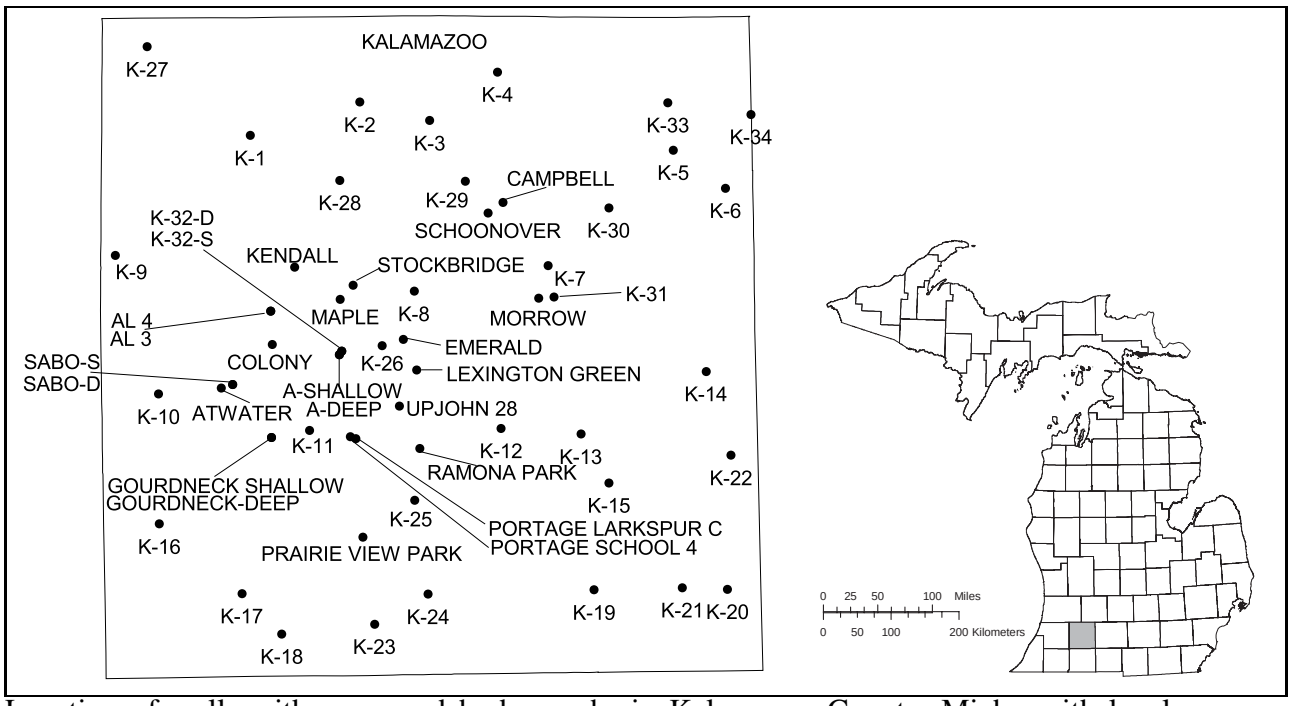
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

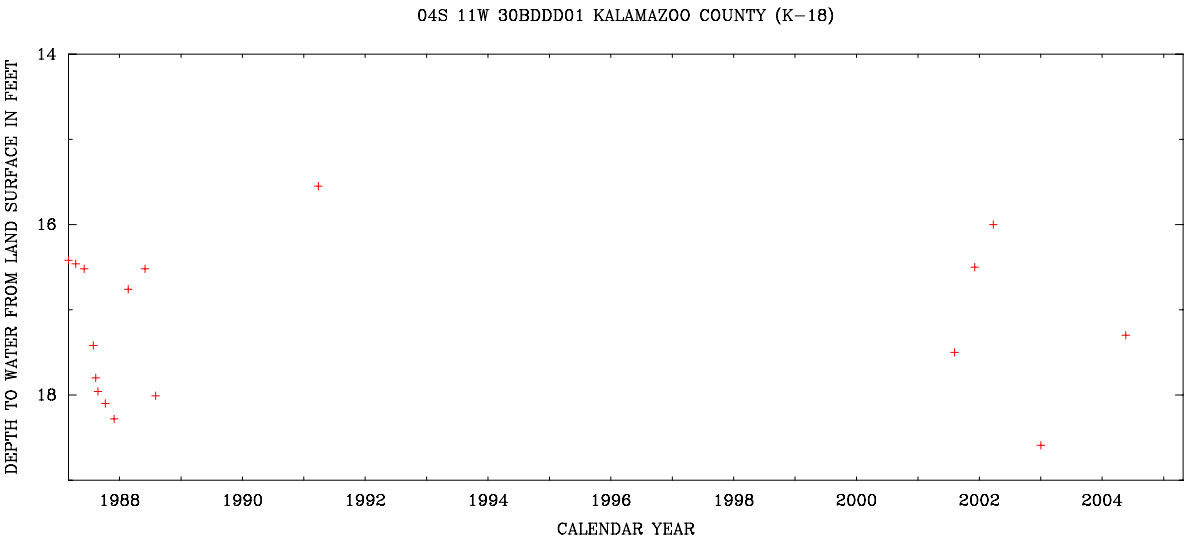
USGS STATION 421435084234801
PERIOD OF ADAPS RECORD, WATER YEARS 1967-1981, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 935 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 400 FT, PRIMARY AQUIFER DESIGNATION:SAGINAW FORMATION
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

Kalamazoo County



Location of wells with recovered hydrographs in Kalamazoo County, Mich., with local name designation.

USGS STATION No.	USGS STATION NAME
420533085381501	04S 11W 30BDDD01 KALAMAZOO COUNTY (K-18)
420547085342301	04S 11W 27 AAA01 KALAMAZOO COUNTY (K-23)
420653085190701	04S 09W 23AABB01 KALAMAZOO COUNTY (K-20)
420653085395401	04S 12W 13CCCC01 KALAMAZOO COUNTY (K-17)
420657085245501	04S 10W 13 DDD01 KALAMAZOO COUNTY (K-19)
420657085320301	04S 11W 24 AAB01 KALAMAZOO COUNTY (K-24)
420658085210401	04S 09W 15 CCC01 KALAMAZOO COUNTY (K-21)
420838085344501	04S 11W 03CDDA01 KALAMAZOO CO (PRAIRIE VIEW PARK)
420858085432401	04S 12W 04BCCB01 KALAMAZOO CO (K-16)
420945085323301	03S 11W 36CAA 01 KALAMAZOO CO (K-25)
421016085240601	03S 09W 31ABBB01 KALAMAZOO CO (K-15)
421107085185301	03S 09W 26 AAA01 KALAMAZOO COUNTY (K-22)
421127085321701	03S 11W 24DBCA01 KALAMAZOO CO (RAMONA PARK)
421147085350203	03S 11W 22 BDB01 KALAMAZOO CO (PORTAGE LARKSPUR C)
421148085252101	03S 10W 24ABCC01 KALAMAZOO CO (K-13)
421150085383901	03S 11W 19BBDD01 KALAMAZOO CO (GOURDNECK SHALLOW)
421150085383902	03S 11W 19BBDD02 KALAMAZOO CO (GOURDNECK-DEEP)
421151085351601	03S 11W 22BBCD 01 KALAMAZOO CO (PORTAGE SCHOOL 4)
421203085370401	03S 11W 20ABBA01 KALAMAZOO CO (K-11)
421208085283301	03S 10W 16DCCC01 KALAMAZOO CO (K-12)
421249085330901	03S 11W 14AADB01 KALAMAZOO CO (UPJOHN 28)
421312085432301	03S 12W 09ABCC01 KALAMAZOO CO (K-10)
421325085404801	03S 12W 11BDAD01 KALAMAZOO CO (ATWATER)
421332085401901	03S 12W 11AD 01 KALAMAZOO CO (SABO-D)
421332085401902	03S 12W 11AD 02 KALAMAZOO CO (SABO-S)
421358085195101	03S 09W 02DCD01 KALAMAZOO COUNTY (K-14)
421358085322401	03S 11W 01DCBB01 KALAMAZOO CO (LEXINGTON GREEN)
421428085354301	03S 11W 04AD01 KALAMAZOO CO (A-DEEP)
421428085354302	03S 11W 04AD02 KALAMAZOO CO (A-SHALLOW)
421435085353701	03S 11W 04ABAD 01 KALAMAZOO CO (K-32-S)
421435085353702	03S 11W 04ABAD 02 KALAMAZOO CO (K-32-D)
421445085335201	02S 11W 35CDCC01 KALAMAZOO CO (K-26)
421448085383601	02S 11W 31CDCB 01 KALAMAZOO CO (COLONY)
421457085325801	02S 11W 36CBCD 01 KALAMAZOO CO (EMERALD)
421552085384001	02S 11W 30CBDC01 KALAMAZOO CO (AL 3)
421552085384002	02S 11W 30CBDC 02 KALAMAZOO CO (AL 4)
421614085270801	02S 10W 26BBCC 01 KALAMAZOO CO (MORROW)
421614085354001	02S 11W 28AACC 01 KALAMAZOO CO (MAPLE)
421616085262801	02S 10W 26ABD01 KALAMAZOO CO (K-31)
421630085322601	02S 11W 24DCCC01 KALAMAZOO CO (K-8)
421641085350601	02S 11W 22CDBB 01 KALAMAZOO CO (STOCKBRIDGE)
421713085264601	02S 10W 23BAAB01 KALAMAZOO CO (K-7)
421716085373702	02S 11W 20BBBD 02 KALAMAZOO CO (KENDALL)
421742085452501	02S 12W 18CAAA01 KALAMAZOO CO (K-9)
421858085291701	02S 10W 09B 01 KALAMAZOO CO (SCHOONOVER)
421908085240501	02S 09W 06DBDA01 KALAMAZOO CO (K-30)
421918085283801	02S 10W 04DACC 01 KALAMAZOO CO (CAMPBELL)
421942085190301	02S 09W 02ADAA01 KALAMAZOO CO (K-6)
422004085301801	01S 10W 32CDDC01 KALAMAZOO CO (K-29)
422006085353901	01S 11W 33DDCC01 KALAMAZOO CO (K-28)
422056085211701	01S 09W 27CCC 01 KALAMAZOO CO (K-5)
422117085393001	01S 12W 25ABCC01 KALAMAZOO CO (K-1)
422153085314701	01S 10W 19CBDC01 KALAMAZOO CO. (K-3)
422207085175501	01S 09W 24DAD 01 KALAMAZOO CO (K-34)
422227085213001	01S 09W 21AAD01 KALAMAZOO CO (K-33)
422232085344701	01S 11W 22ABBB01 KALAMAZOO CO (K-2)
422328085285701	01S 10W 09DCD 01 KALAMAZOO CO (K-4)
422418085440201	01S 12W 05DDC 01 KALAMAZOO CO (K-27)



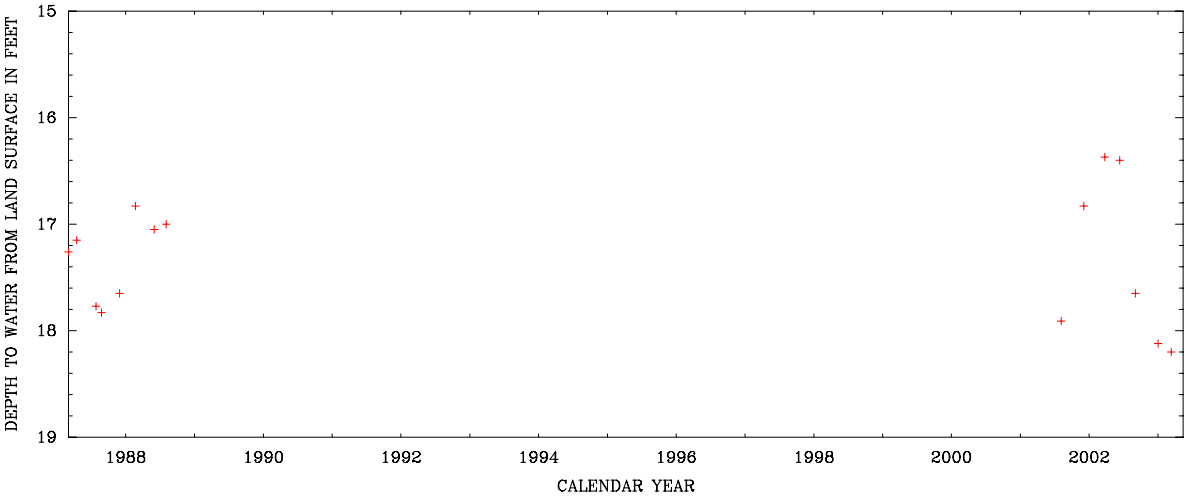
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 420533085381501
PERIOD OF RECORD, WATER YEARS 1987-2005, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 873 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 48.2 FT, PRIMARY AQUIFER DESIGNATION:SAND
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

04S 11W 27 AAA01 KALAMAZOO COUNTY (K-23)

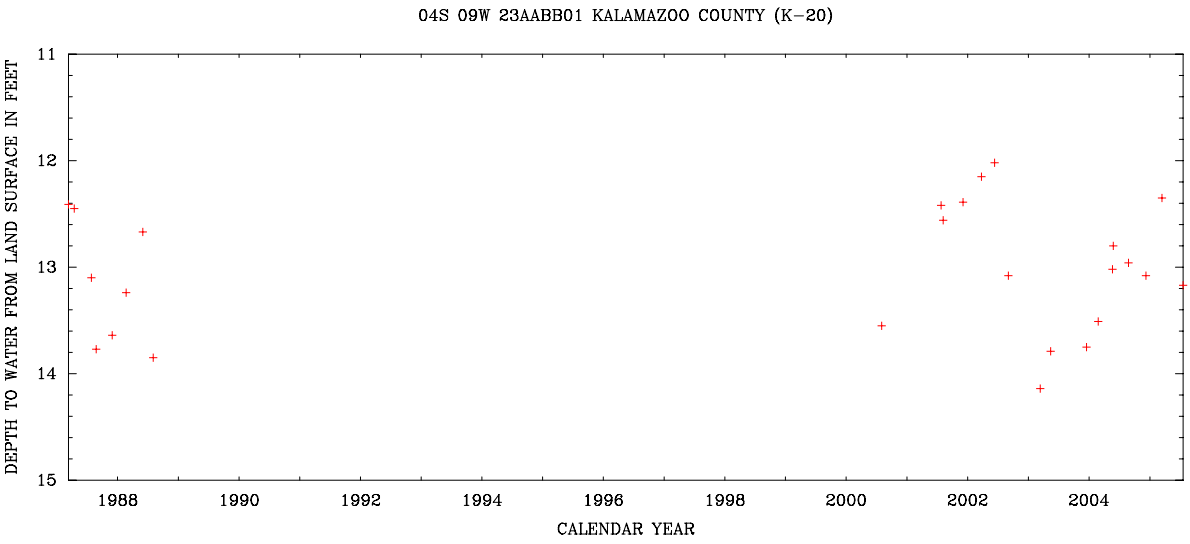


EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 420547085342301
PERIOD OF RECORD, WATER YEARS 1987-2003, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 855 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 48.0 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903



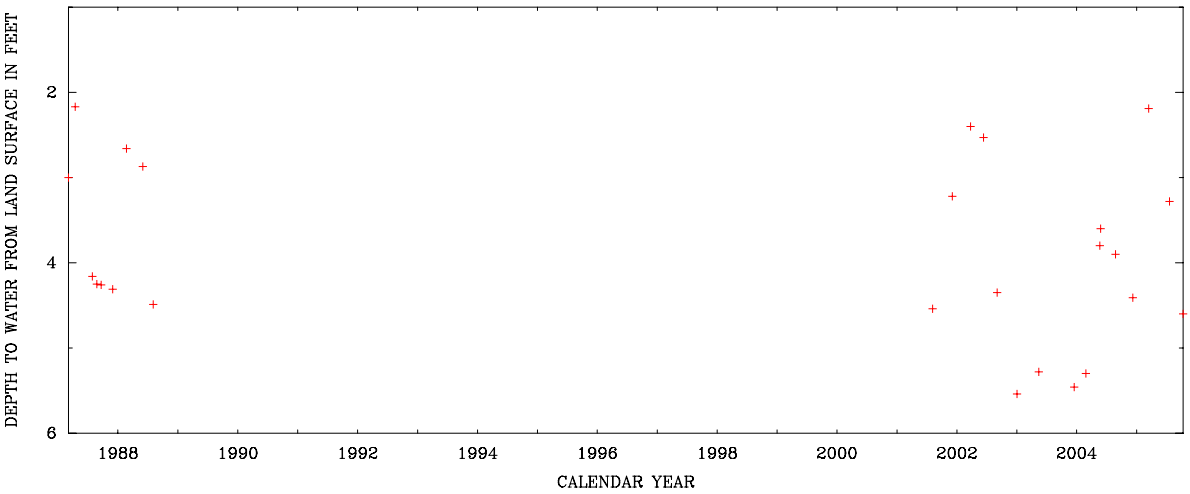
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 420653085190701
PERIOD OF RECORD, WATER YEARS 1987-2005, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 910 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 38.0 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

04S 12W 13CCCC01 KALAMAZOO COUNTY (K-17)



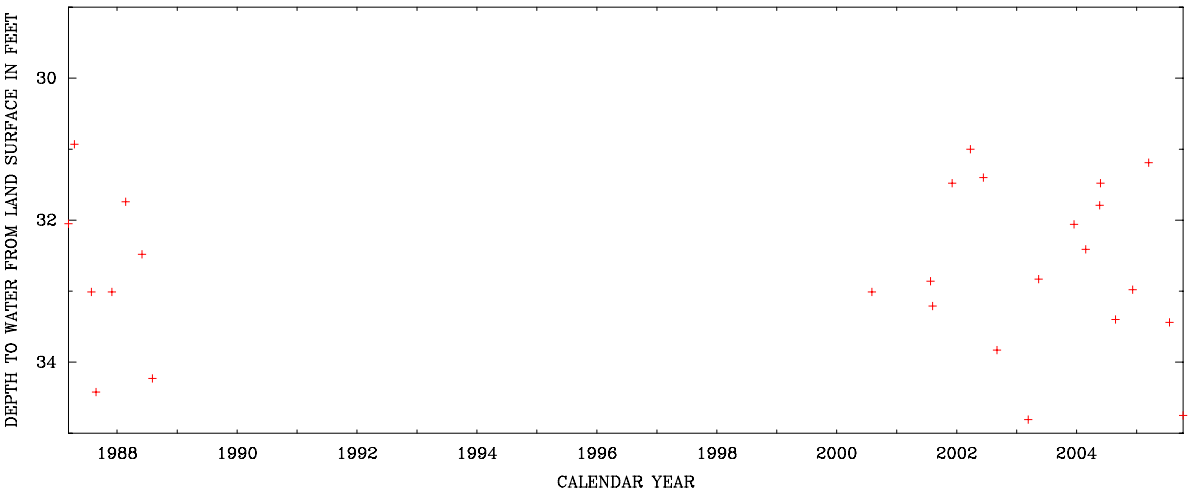
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 420653085395401
PERIOD OF RECORD, WATER YEARS 1987-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 875 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 29.9 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

04S 10W 13 DDD01 KALAMAZOO COUNTY (K-19)



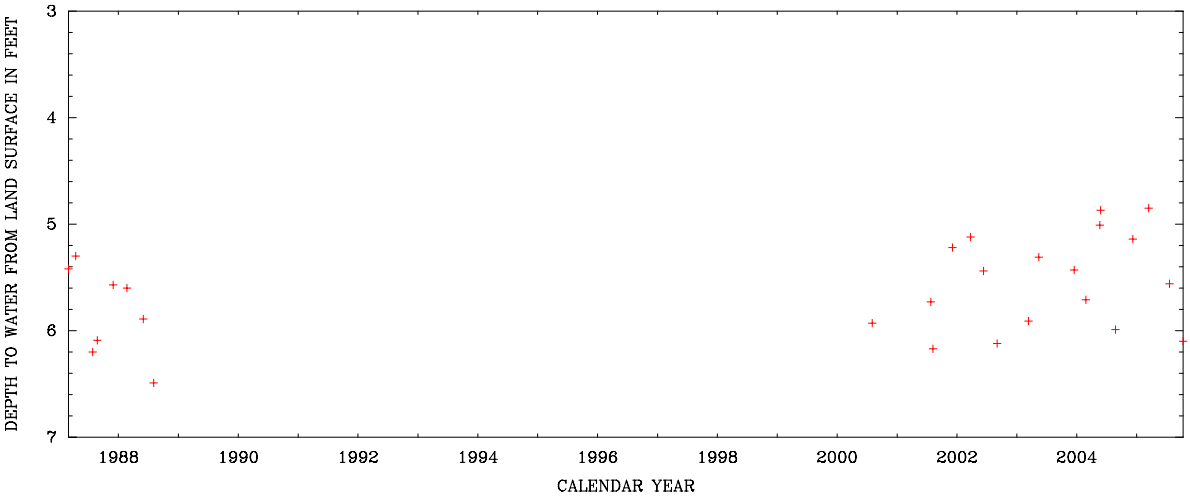
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 420657085245501
PERIOD OF RECORD, WATER YEARS 1987-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 899 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 111.0 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

04S 11W 24 AAB01 KALAMAZOO COUNTY (K-24)



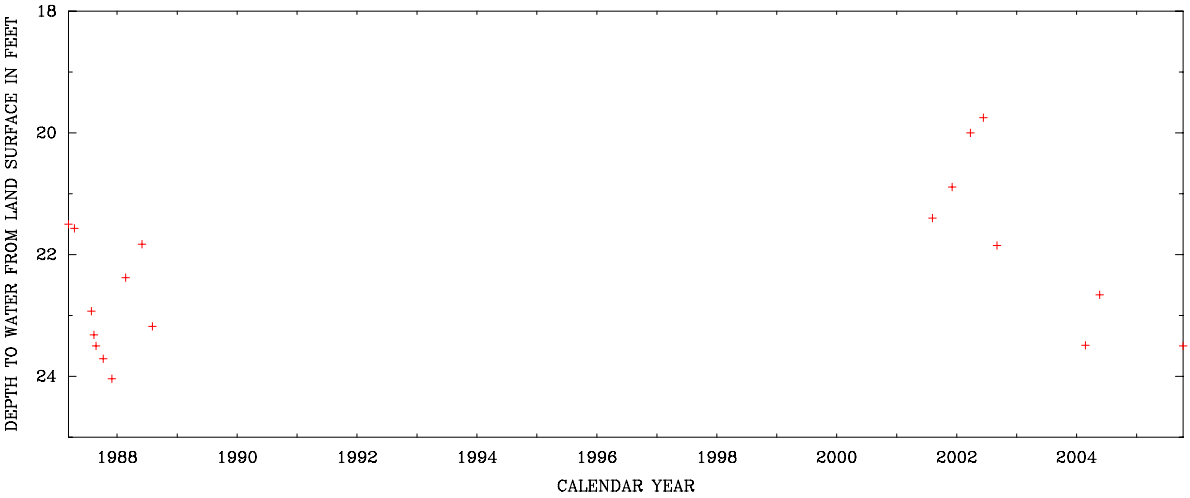
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 420657085320301
PERIOD OF RECORD, WATER YEARS 1987-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 842 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 41.0 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

04S 09W 15 CCC01 KALAMAZOO COUNTY (K-21)



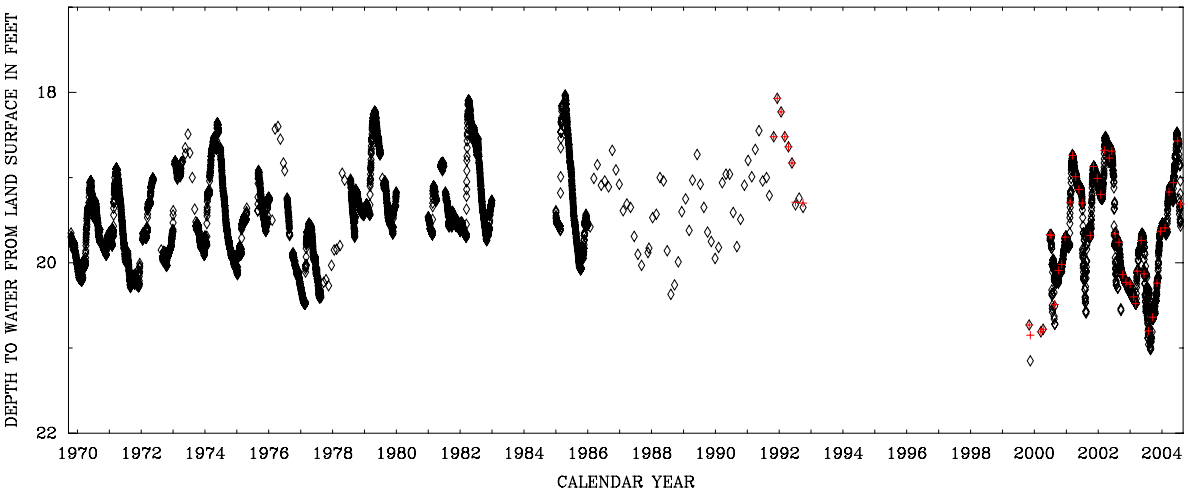
EXPLANATION

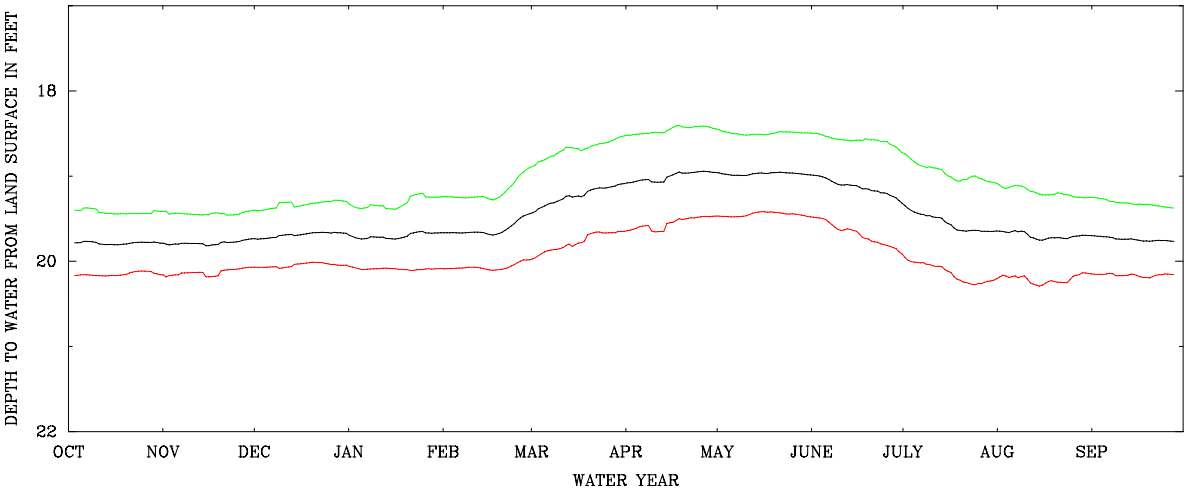
+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 420658085210401
PERIOD OF RECORD, WATER YEARS 1987-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 920 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 47.2 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

04S 11W 03CDDA01 KALAMAZOO CO (PRAIRIE VIEW PARK)





EXPLANATION

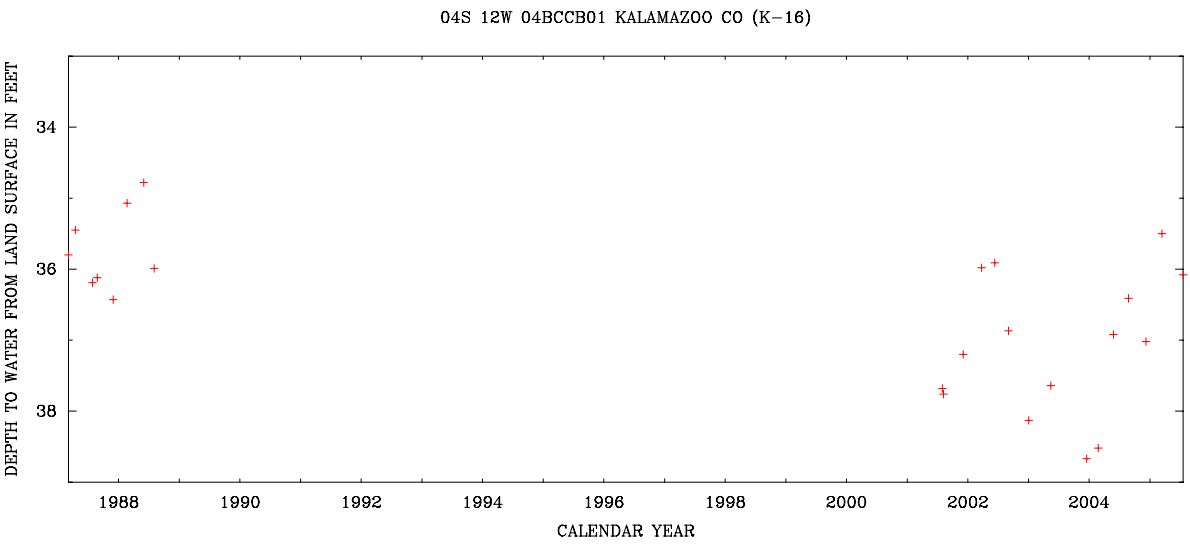
◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS

AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 420838085344501
PERIOD OF ADAPS RECORD, WATER YEARS 1970-2004, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 870 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 190 FT, PRIMARY AQUIFER DESIGNATION:OUTWASH
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

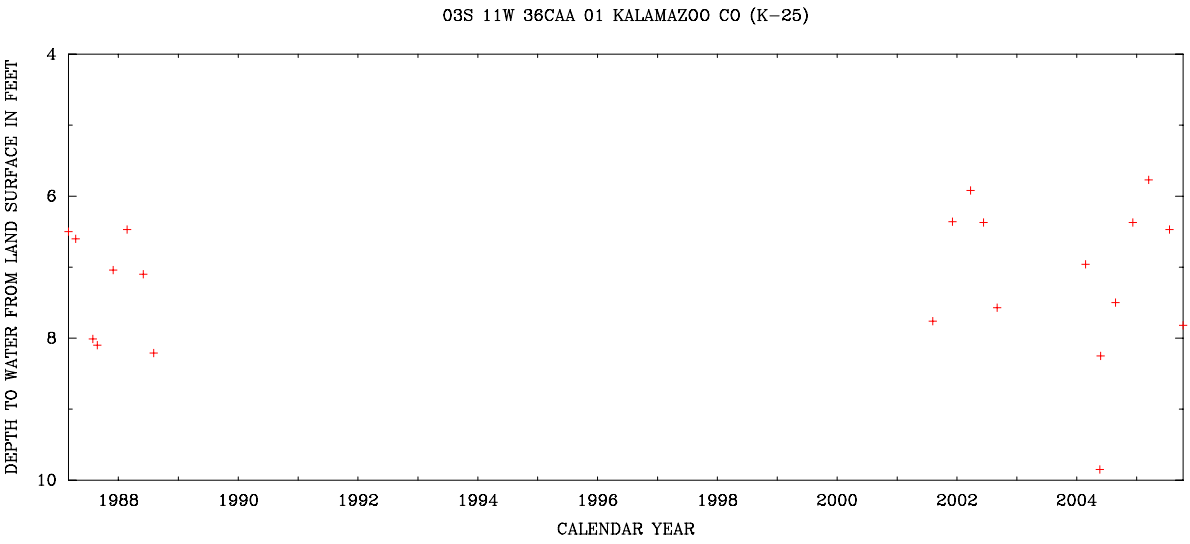


EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 420858085432401
PERIOD OF RECORD, WATER YEARS 1987-2005, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 925 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS FT, PRIMARY AQUIFER DESIGNATION:GLACIAL DEPOSITS,UNDIFFERENTIATED
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

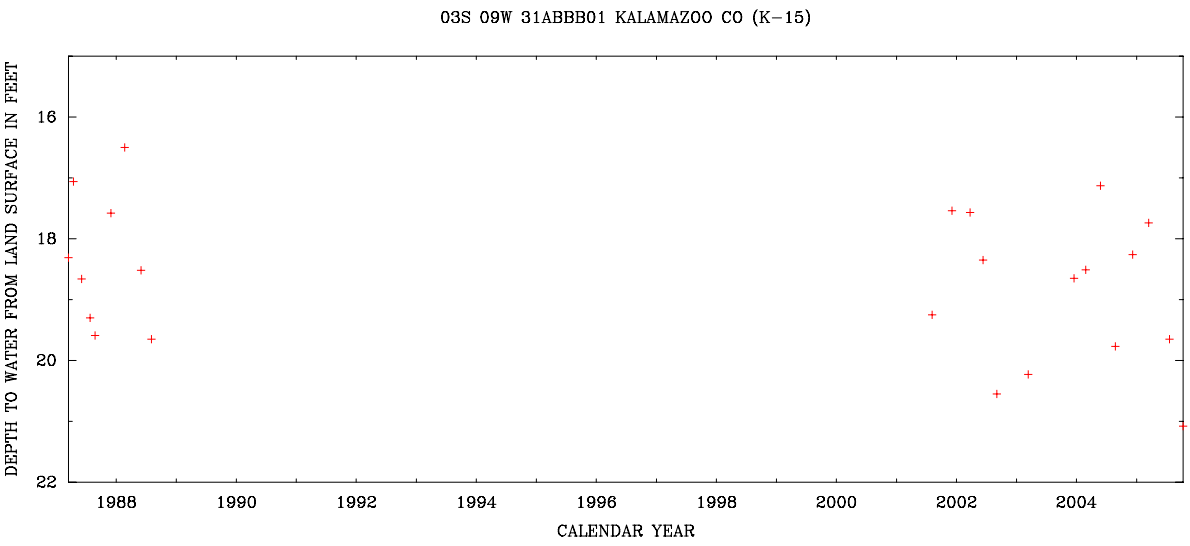


EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 420945085323301
PERIOD OF RECORD, WATER YEARS 1987-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 860 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 38.5 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903



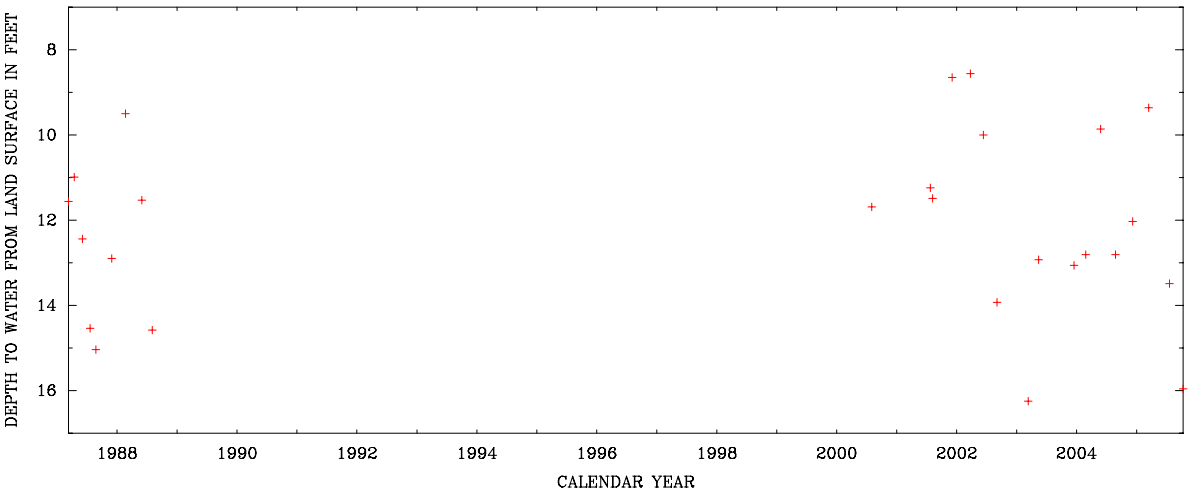
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 421016085240601
PERIOD OF RECORD, WATER YEARS 1987-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 925 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 42.2 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

03S 09W 26 AAA01 KALAMAZOO COUNTY (K-22)

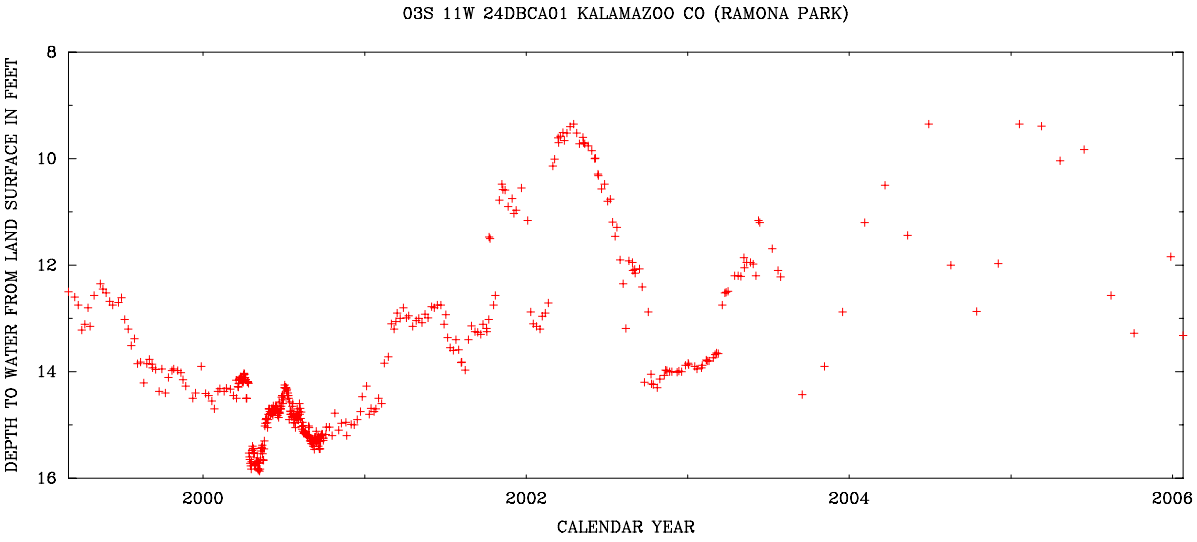


EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 421107085185301
PERIOD OF RECORD, WATER YEARS 1987-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 950 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 38.0 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903



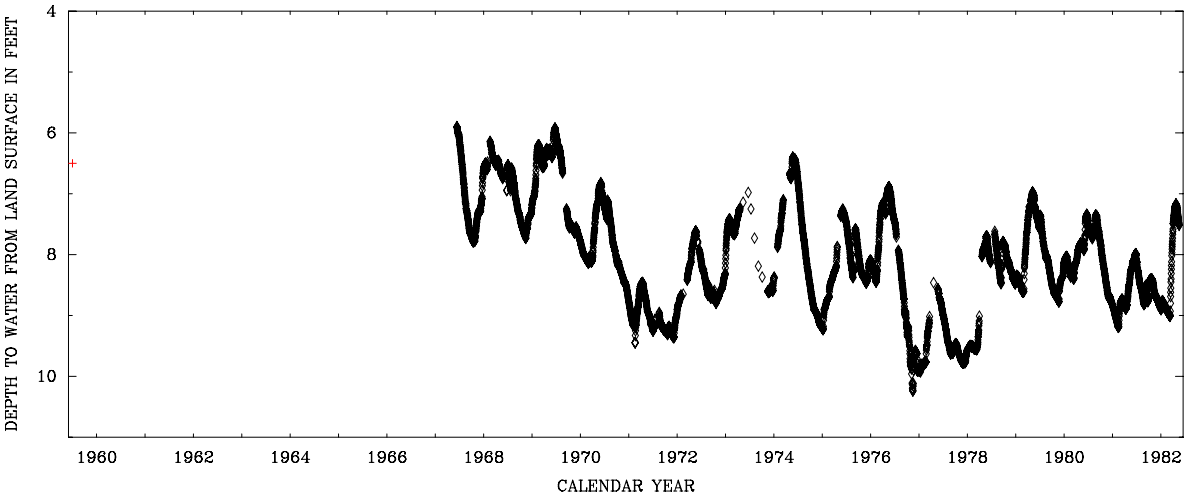
EXPLANATION

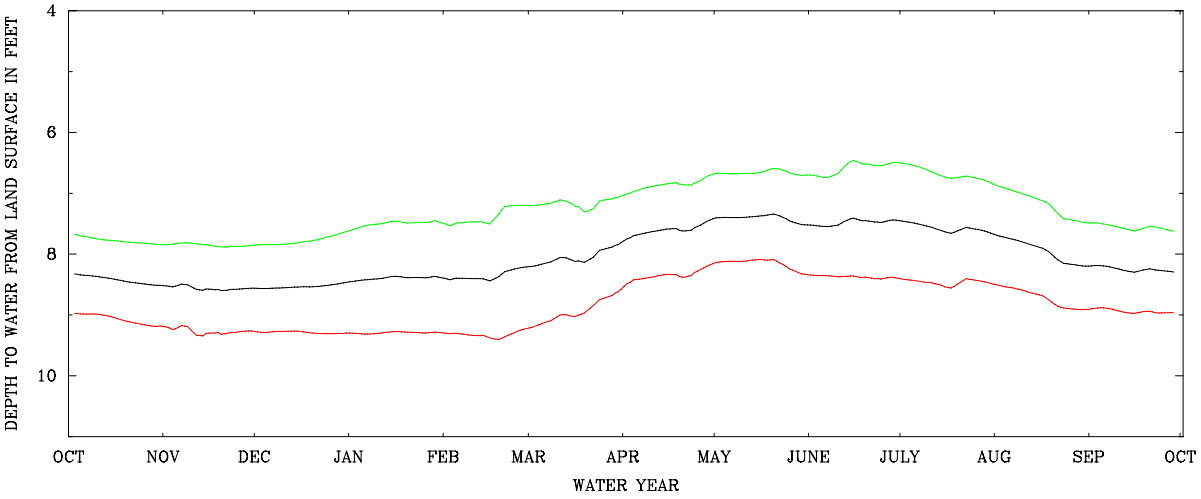
+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 421127085321701
PERIOD OF RECORD, WATER YEARS 1999-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 862.22 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 183 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

03S 11W 22 BDB01 KALAMAZOO CO (PORTAGE LARKSPUR C)





EXPLANATION

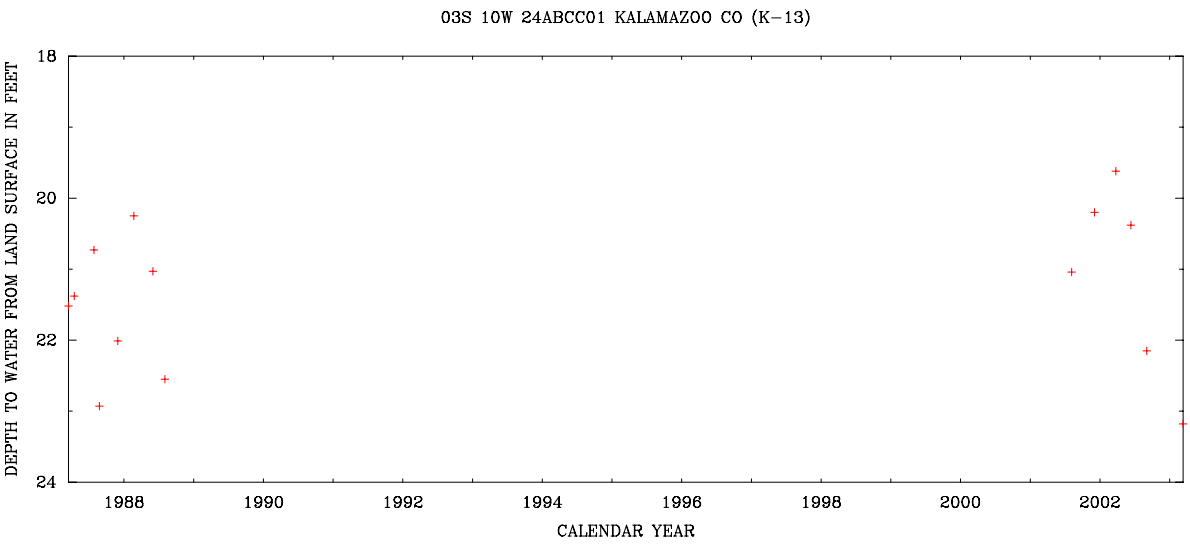
◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS

AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 421147085350203
PERIOD OF ADAPS RECORD, WATER YEARS 1967-1982, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 865 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 100 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903



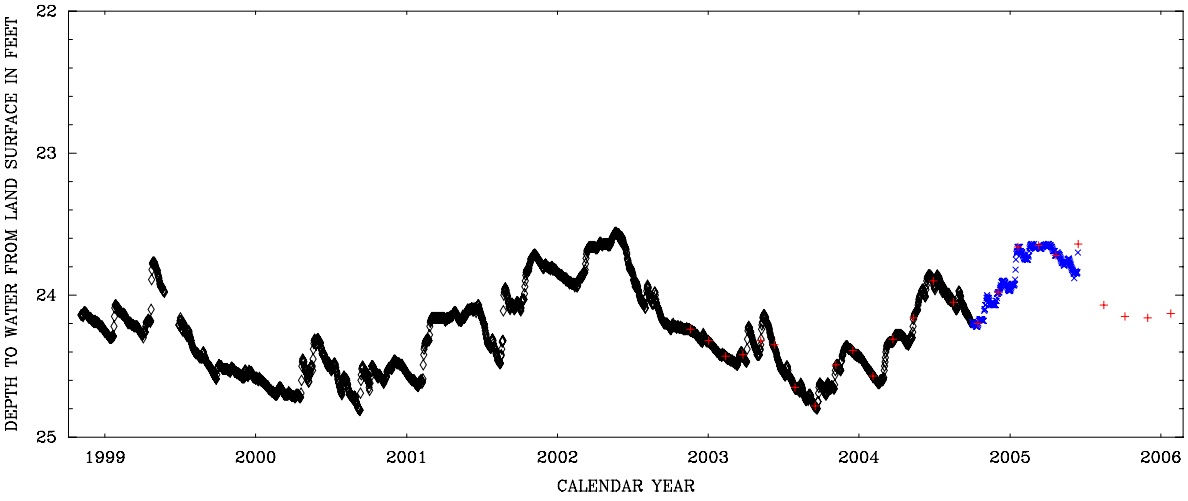
EXPLANATION

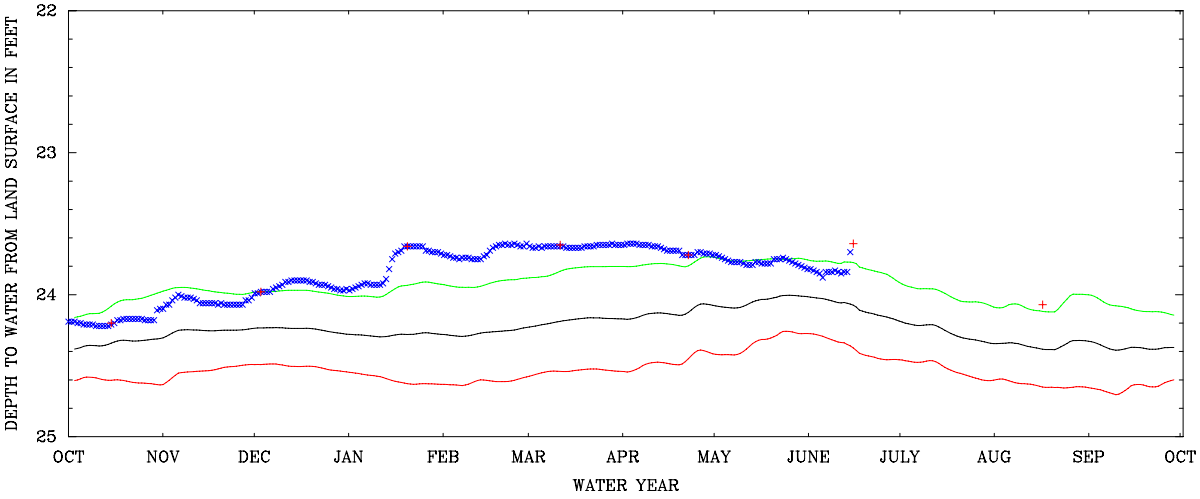
+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 421148085252101
PERIOD OF RECORD, WATER YEARS 1987-2003, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 915 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 34.1 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

03S 11W 19BBDD01 KALAMAZOO CO (GOURDNECK SHALLOW)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS
× 2005 DAILY MAXIMUM DEPTH TO WATER
PROVISIONAL DATA SUBJECT TO REVISION

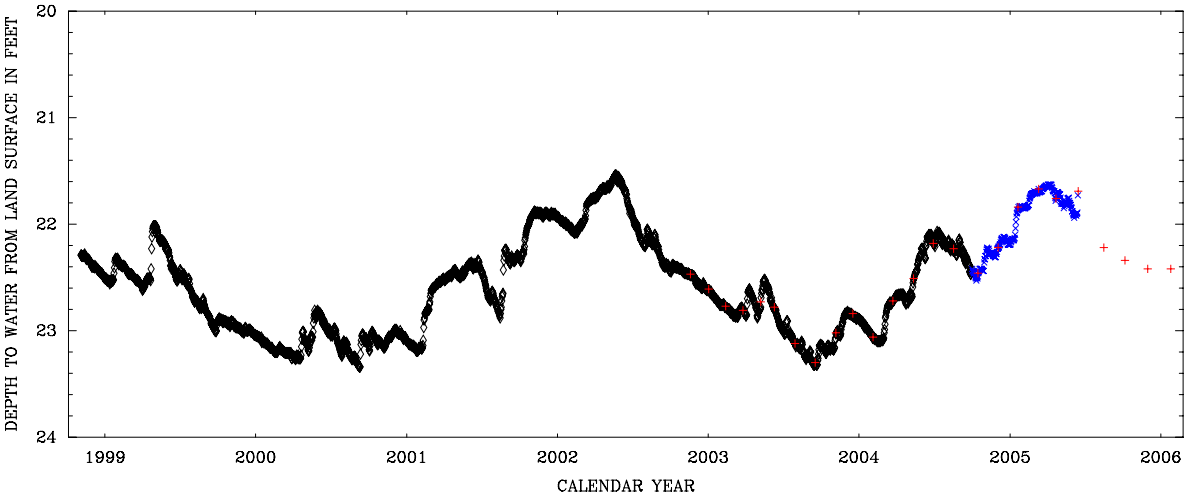
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

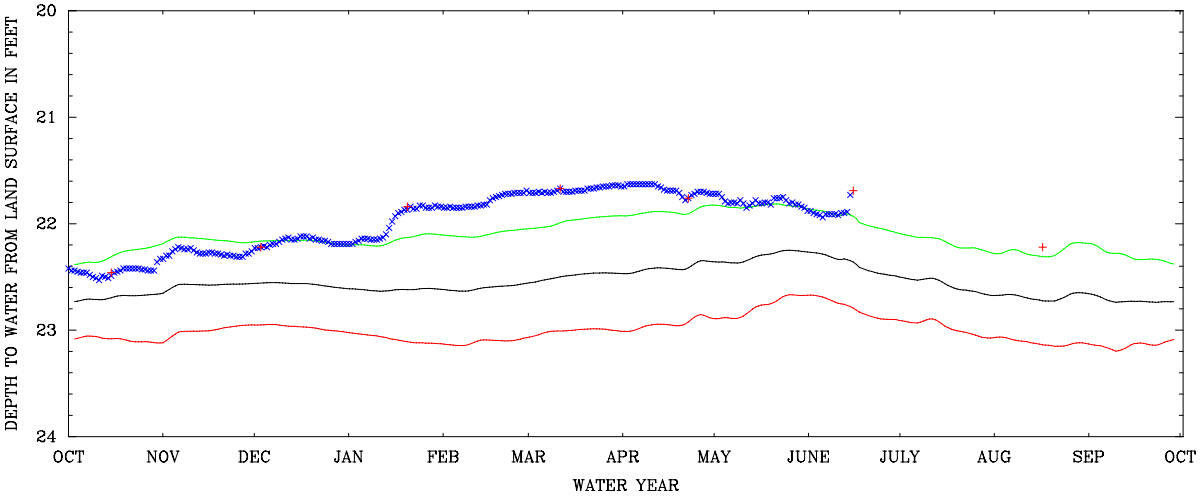
5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 421150085383901
PERIOD OF ADAPS RECORD, WATER YEARS 1999-2005, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 890.18 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 65 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

03S 11W 19BBDD02 KALAMAZOO CO (GOURDNECK-DEEP)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS
× 2005 DAILY MAXIMUM DEPTH TO WATER
PROVISIONAL DATA SUBJECT TO REVISION

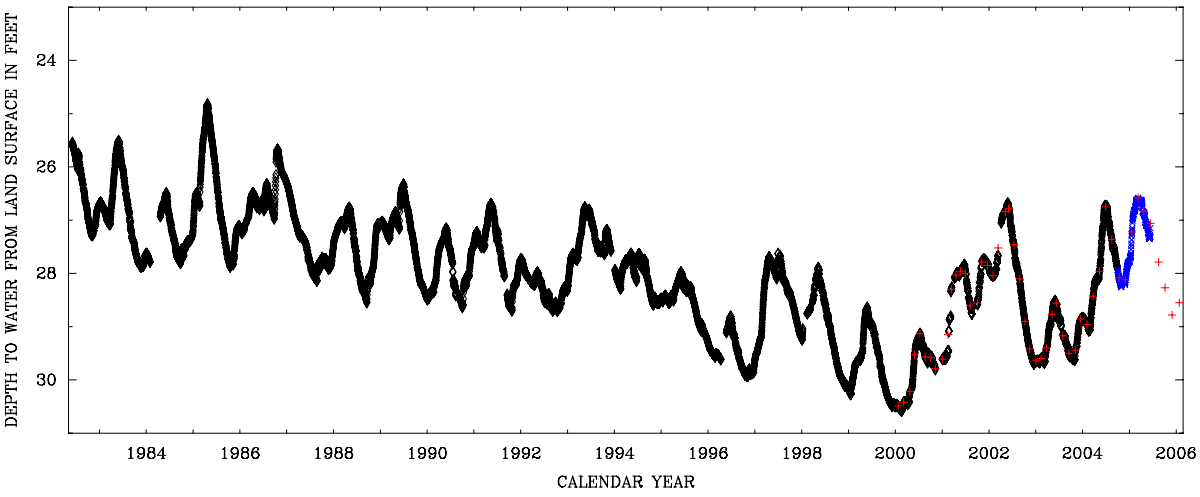
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

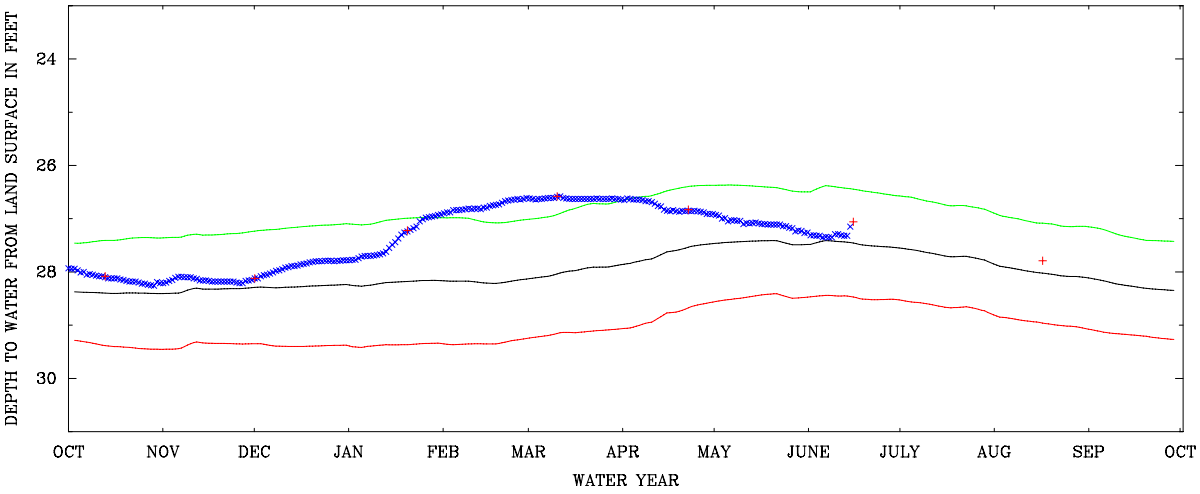
5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 421150085383902
PERIOD OF ADAPS RECORD, WATER YEARS 1999-2005, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 889.90 FT ABOVE NORTH AMERICAN VERTICAL DATUM OF 1988.
DEPTH OF WELL IS 175 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

03S 11W 22BBCD 01 KALAMAZOO CO (PORTAGE SCHOOL 4)





EXPLANATION

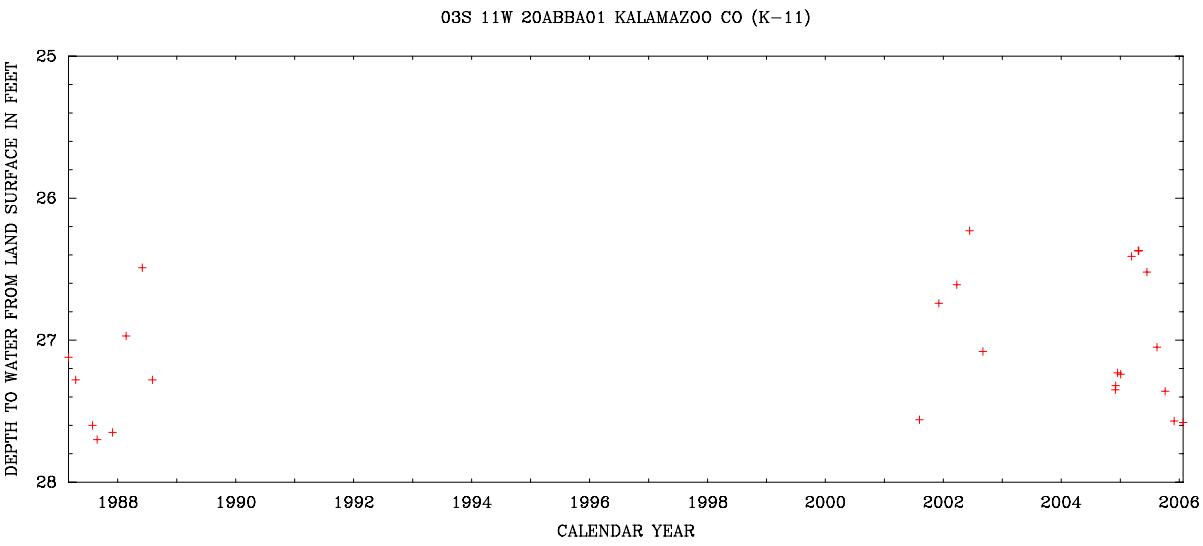
◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS
× 2005 DAILY MAXIMUM DEPTH TO WATER
PROVISIONAL DATA SUBJECT TO REVISION

AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 421151085351601
PERIOD OF ADAPS RECORD, WATER YEARS 1982-2005, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 877 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 102 FT, PRIMARY AQUIFER DESIGNATION:SAND AND GRAVEL
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

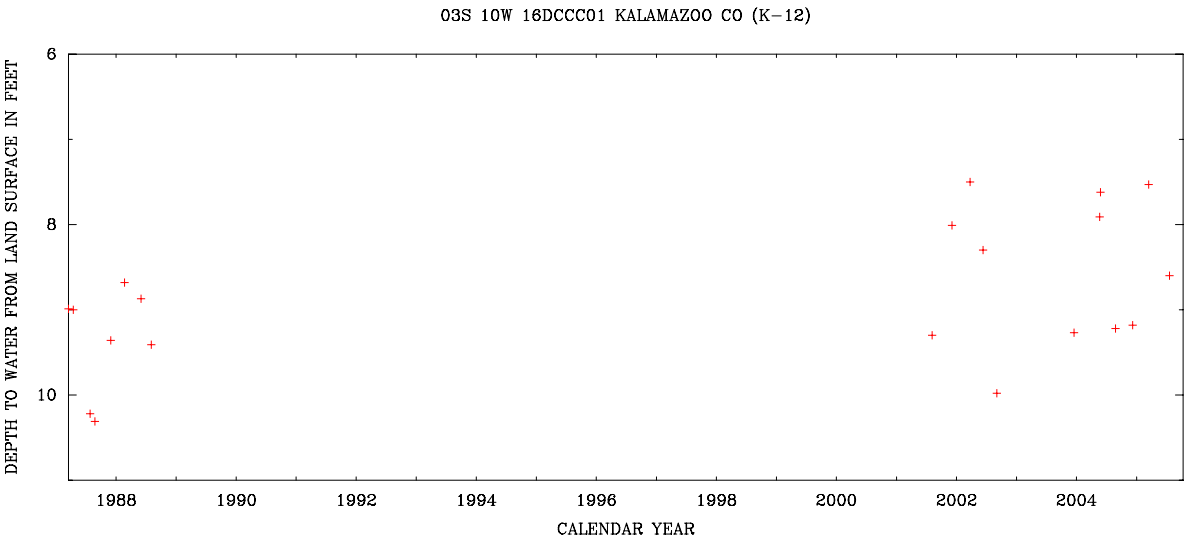


EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 421203085370401
PERIOD OF RECORD, WATER YEARS 1987-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 890 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 56.2 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903



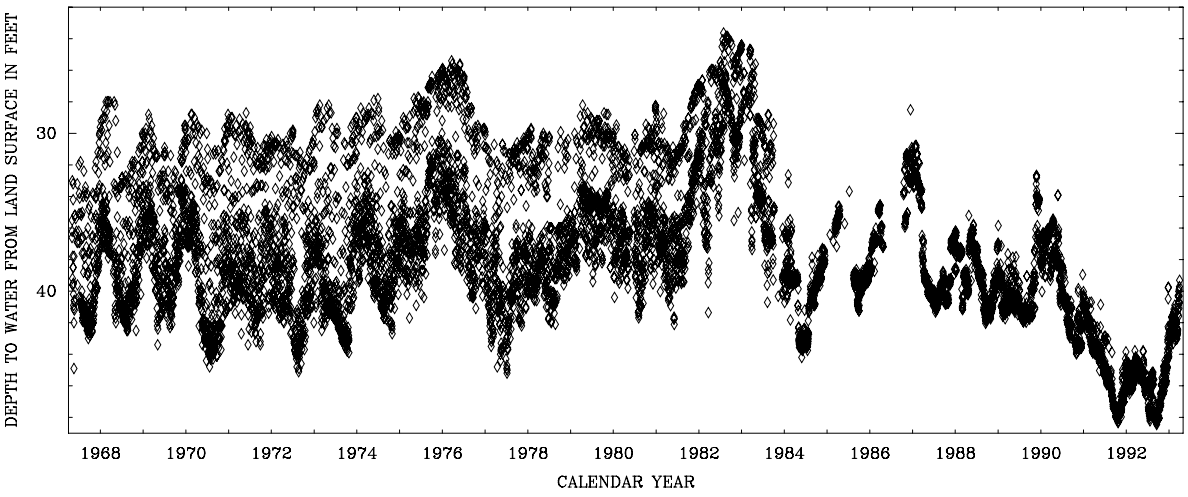
EXPLANATION

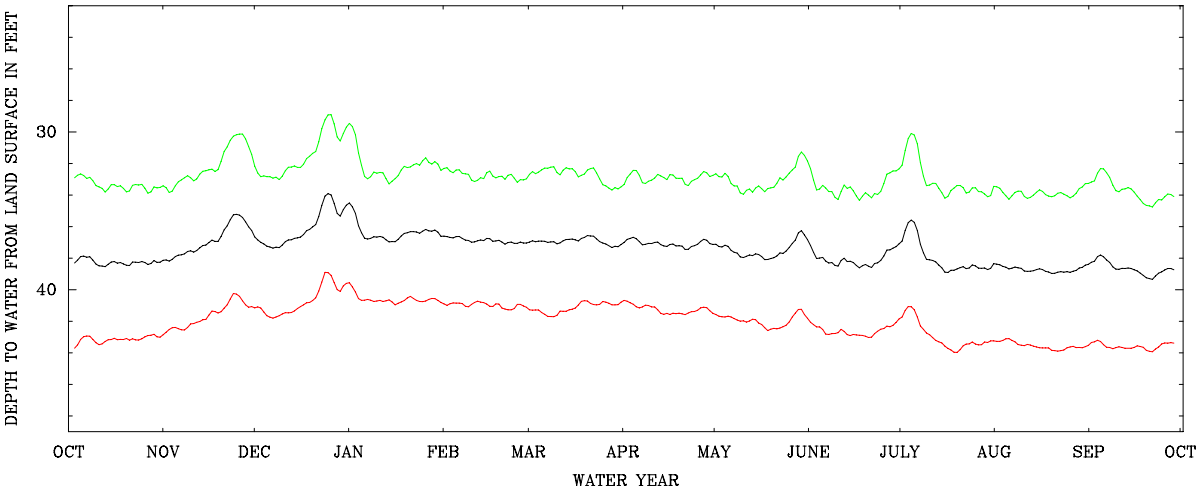
+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 421208085283301
PERIOD OF RECORD, WATER YEARS 1987-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 865 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 37.5 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

03S 11W 14AADB01 KALAMAZOO CO (UPJOHN 28)





EXPLANATION

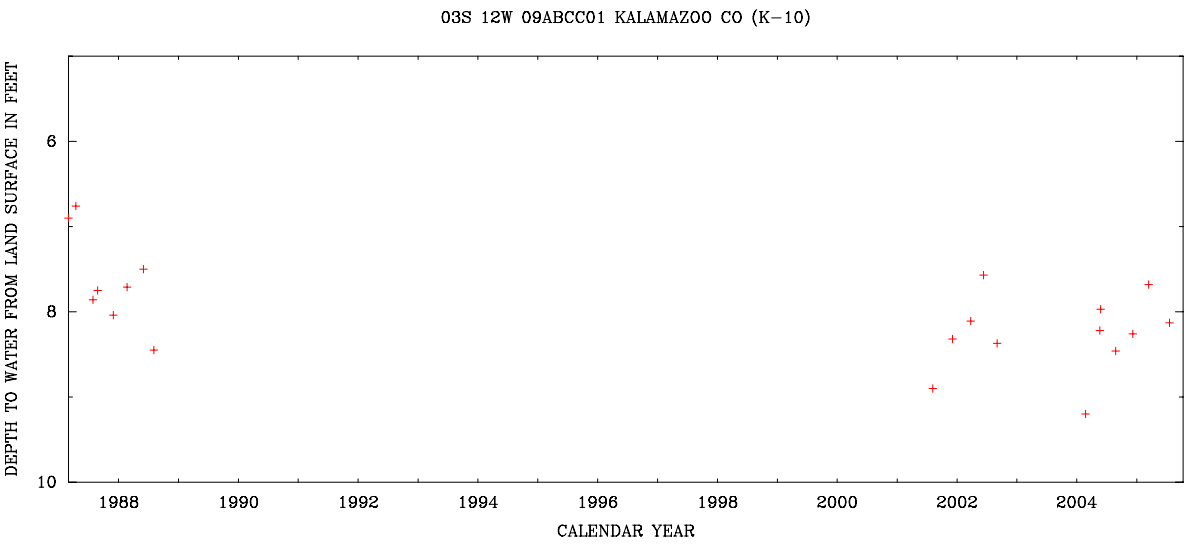
◊ DAILY MAXIMUM DEPTH TO WATER

AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 421249085330901
PERIOD OF ADAPS RECORD, WATER YEARS 1967-1993, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 870 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 233 FT, PRIMARY AQUIFER DESIGNATION:OUTWASH
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

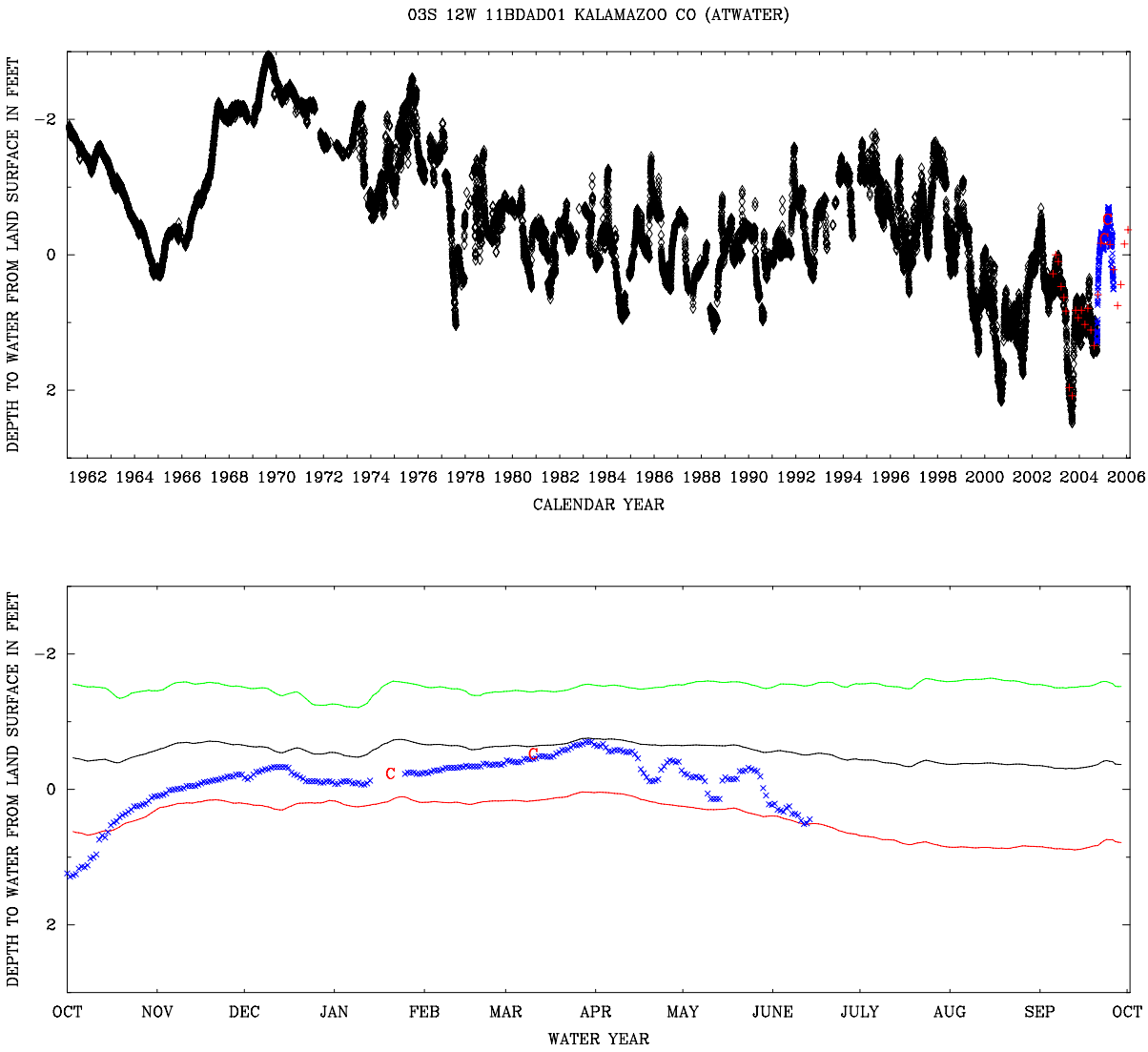


EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 421312085432301
PERIOD OF RECORD, WATER YEARS 1987-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 905 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 29.0 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903



EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE−DOWN MEASUREMENTS
× 2005 DAILY MAXIMUM DEPTH TO WATER
PROVISIONAL DATA SUBJECT TO REVISION

AVERAGE MINUS STANDARD DEVIATION. THE STANDARD−DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5−DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

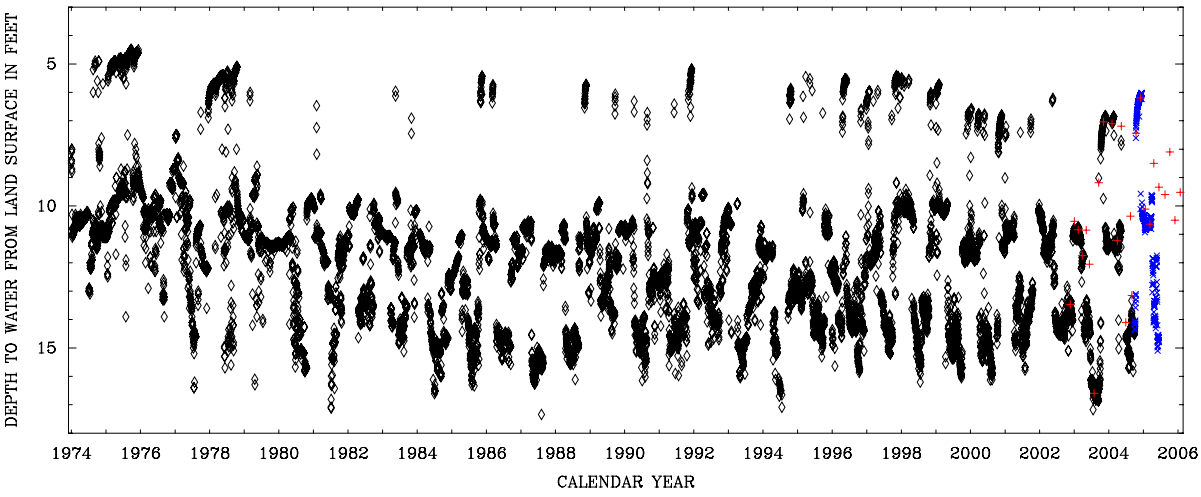
5−DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH−TO−WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

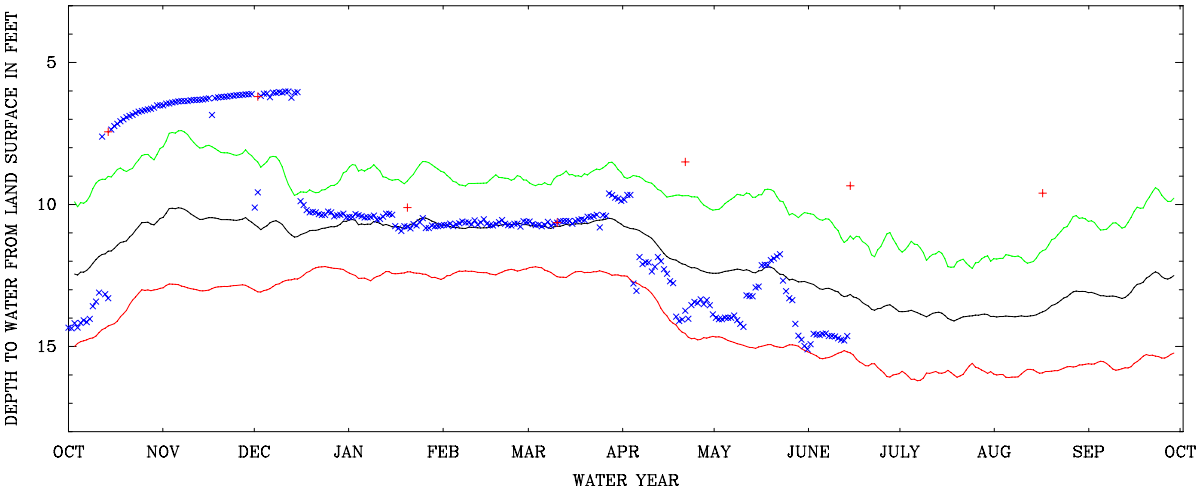
AVERAGE PLUS STANDARD DEVIATION.

C WATER LEVEL WAS AFFECTED BY ICE.

USGS STATION 421325085404801
PERIOD OF ADAPS RECORD, WATER YEARS 1961−2005, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 880 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 248 FT, PRIMARY AQUIFER DESIGNATION:OUTWASH
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517−887−8903

03S 12W 11AD 01 KALAMAZOO CO (SABO-D)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS
× 2005 DAILY MAXIMUM DEPTH TO WATER
PROVISIONAL DATA SUBJECT TO REVISION

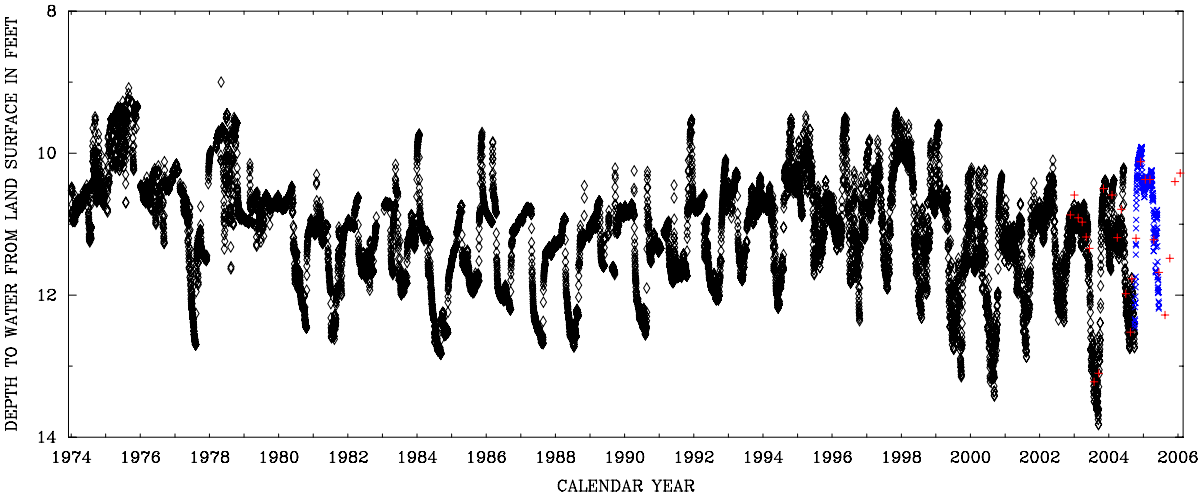
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

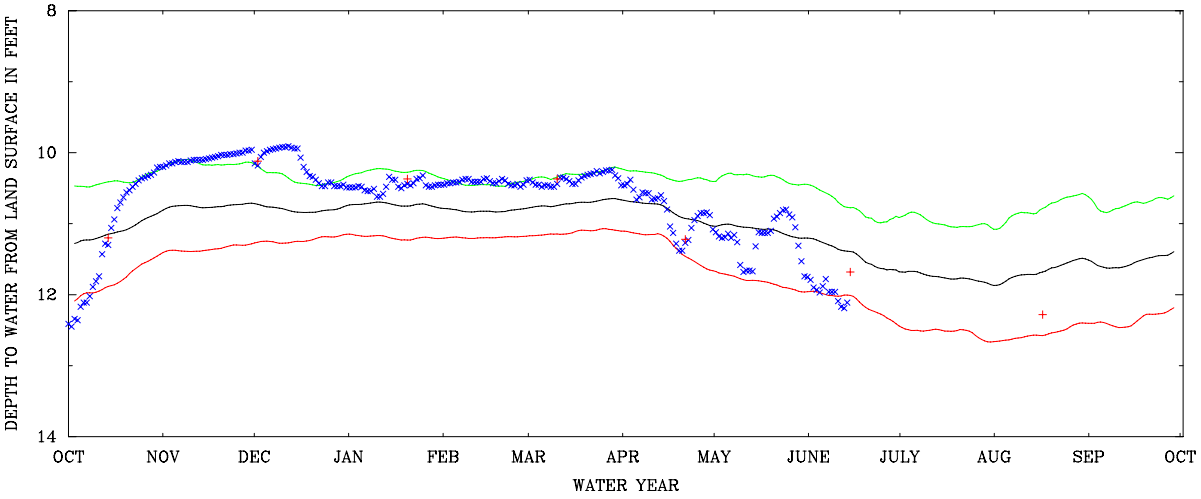
5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 421332085401901
PERIOD OF ADAPS RECORD, WATER YEARS 1974-2005, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 877 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 300 FT, PRIMARY AQUIFER DESIGNATION:OUTWASH
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

03S 12W 11AD 02 KALAMAZOO CO (SABO-S)





EXPLANATION

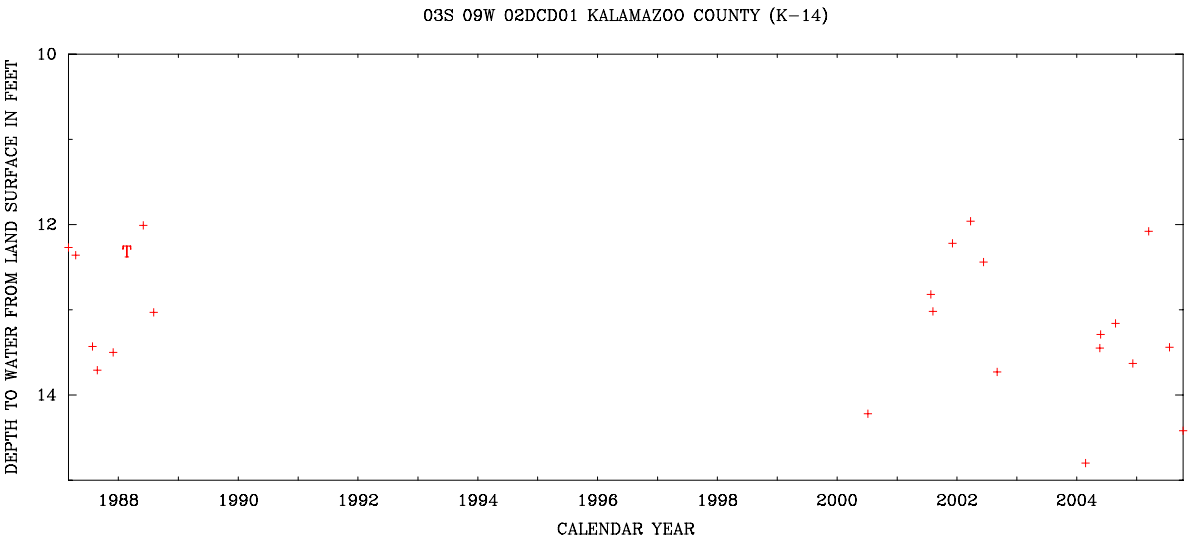
◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS
× 2005 DAILY MAXIMUM DEPTH TO WATER
PROVISIONAL DATA SUBJECT TO REVISION

AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 421332085401902
PERIOD OF ADAPS RECORD, WATER YEARS 1974-2005, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 877 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 38 FT, PRIMARY AQUIFER DESIGNATION:OUTWASH
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903



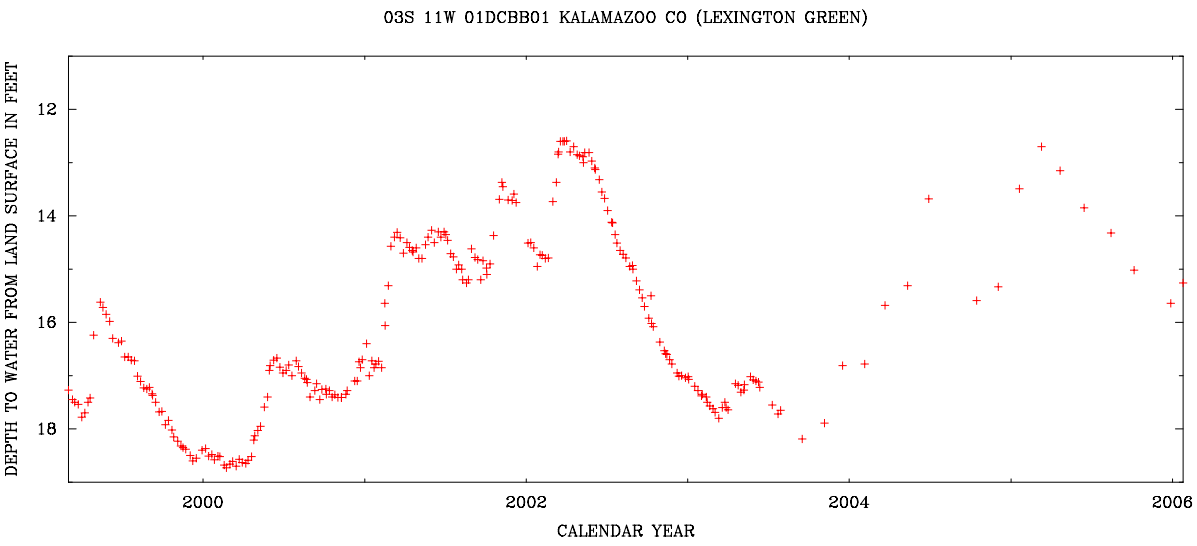
EXPLANATION

\+ GWSI TAPE-DOWN MEASUREMENTS

T A NEARBY SITE THAT TAPS THE SAME AQUIFER HAD BEEN PUMPED REC

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 421358085195101
PERIOD OF RECORD, WATER YEARS 1987-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 960 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 38.2 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903



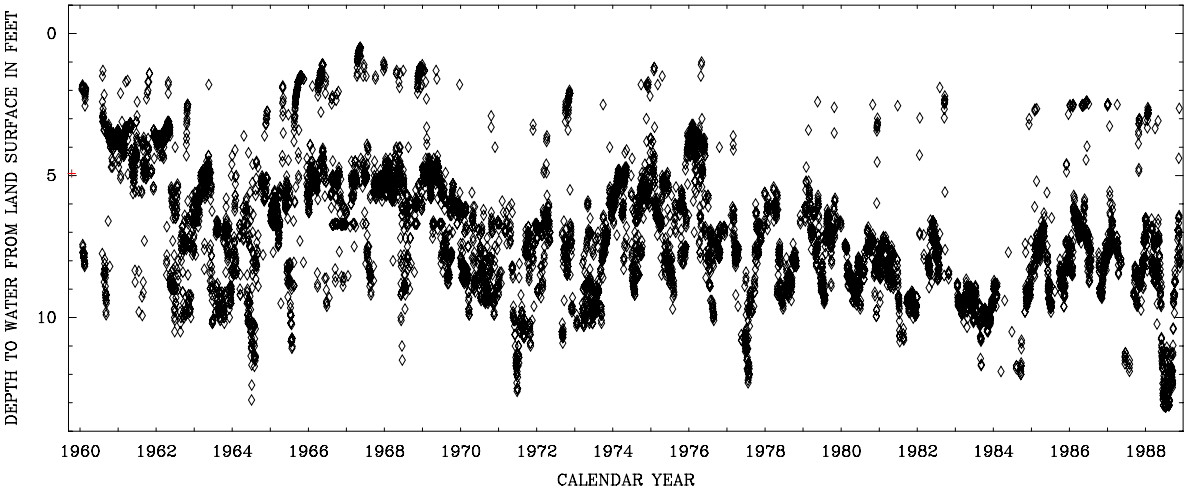
EXPLANATION

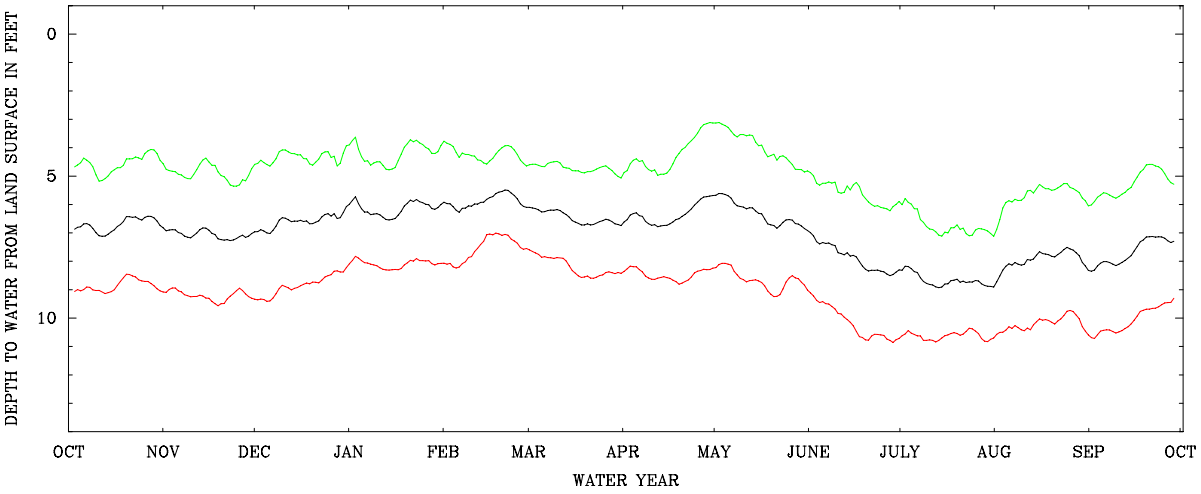
+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 421358085322401
PERIOD OF RECORD, WATER YEARS 1999-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 854.64 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 179 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

03S 11W 04AD01 KALAMAZOO CO (A-DEEP)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER

\+ GWSI TAPE-DOWN MEASUREMENTS

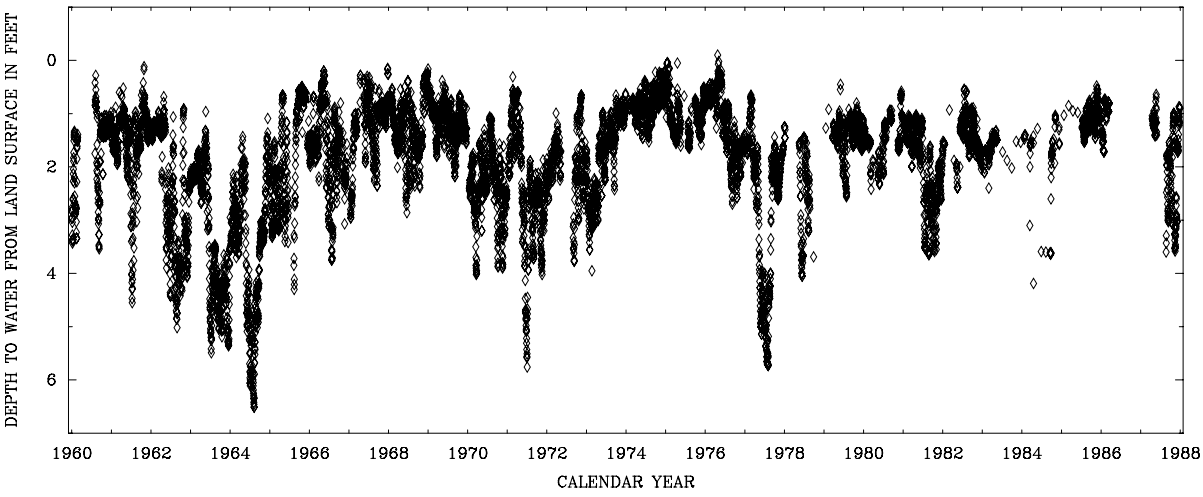
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

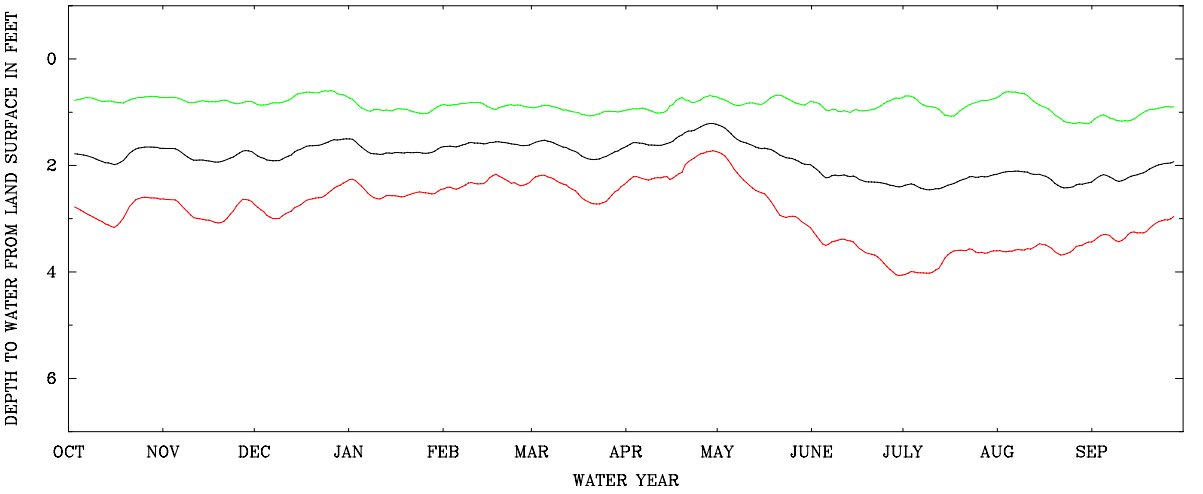
5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 421428085354301
PERIOD OF ADAPS RECORD, WATER YEARS 1960-1989, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 854.03 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS FT, PRIMARY AQUIFER DESIGNATION:OUTWASH
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

03S 11W 04AD02 KALAMAZOO CO (A-SHALLOW)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER

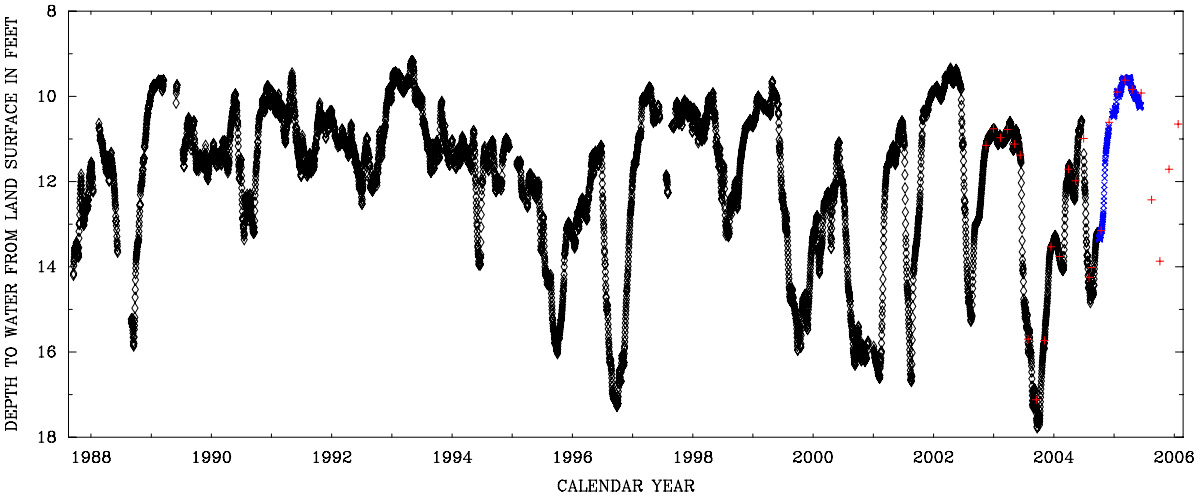
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

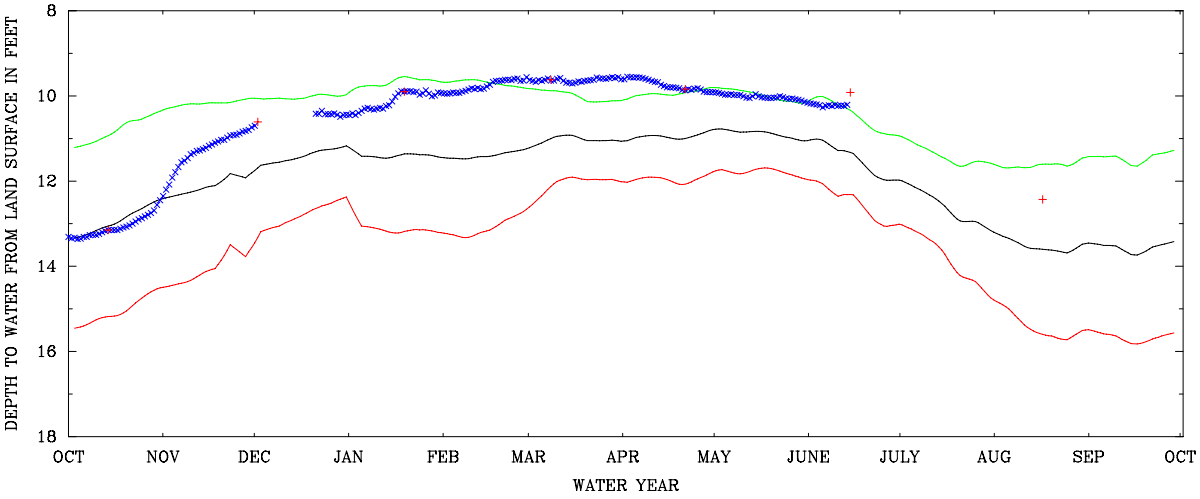
5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 421428085354302
PERIOD OF ADAPS RECORD, WATER YEARS 1960-1988, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 854.01 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 40 FT, PRIMARY AQUIFER DESIGNATION:OUTWASH
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

03S 11W 04ABAD 01 KALAMAZOO CO (K-32-S)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS
× 2005 DAILY MAXIMUM DEPTH TO WATER
PROVISIONAL DATA SUBJECT TO REVISION

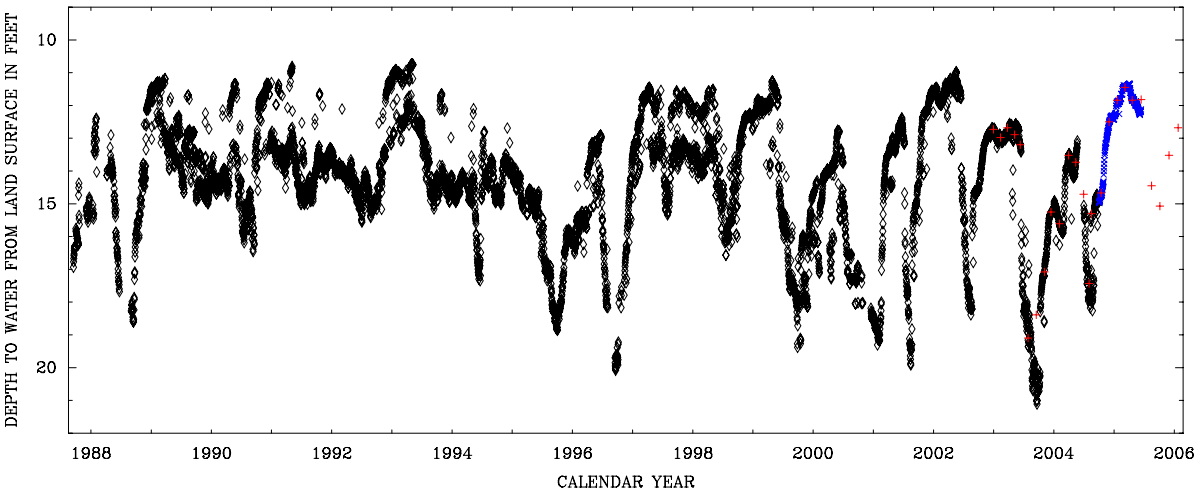
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

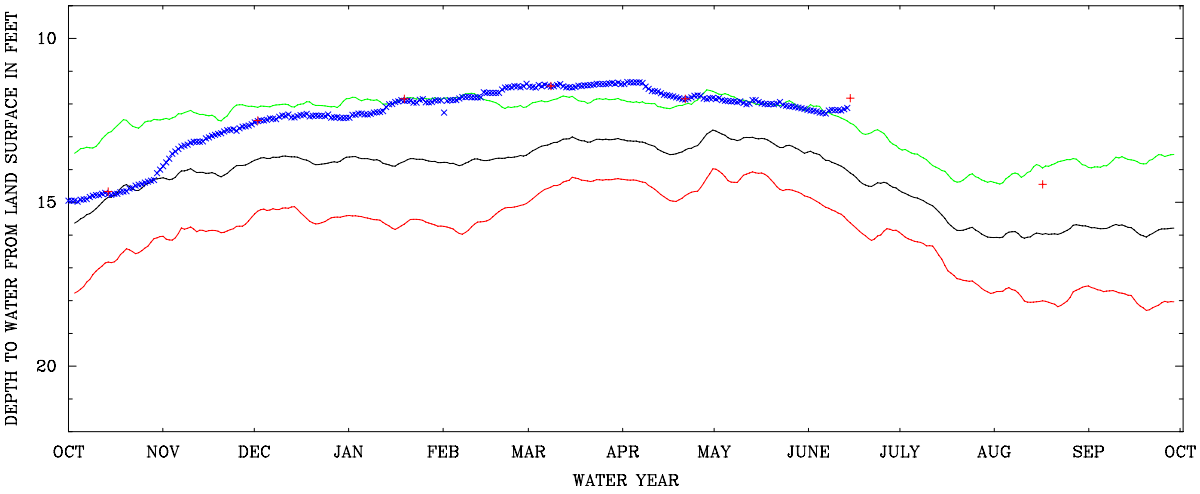
5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 421435085353701
PERIOD OF ADAPS RECORD, WATER YEARS 1987-2005, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 860 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 36.0 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

03S 11W 04ABAD 02 KALAMAZOO CO (K-32-D)





EXPLANATION

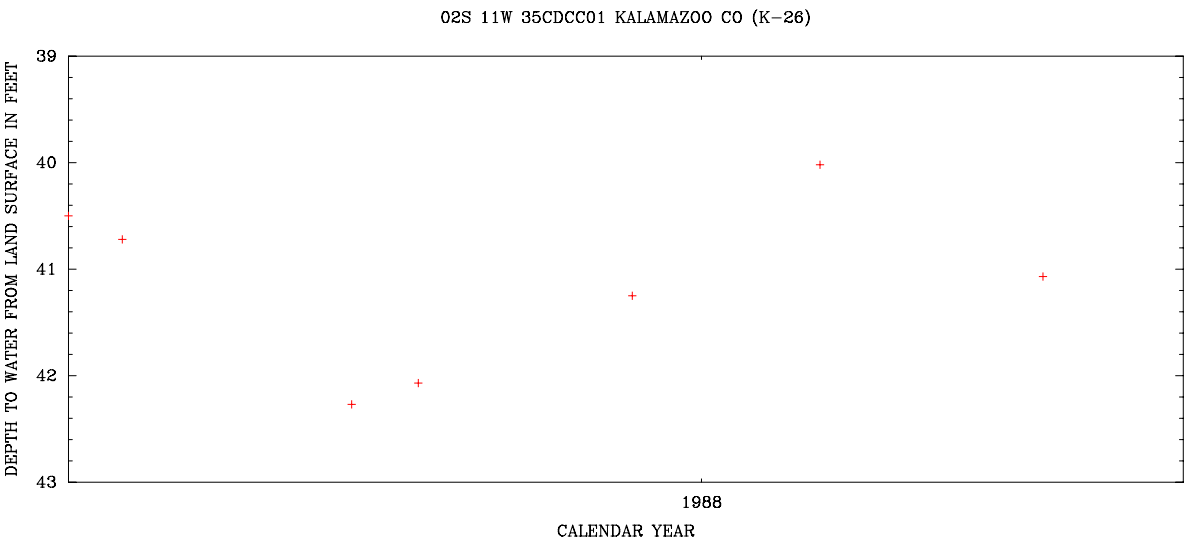
◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS
× 2005 DAILY MAXIMUM DEPTH TO WATER
PROVISIONAL DATA SUBJECT TO REVISION

AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 421435085353702
PERIOD OF ADAPS RECORD, WATER YEARS 1987-2005, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 860 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 148 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903



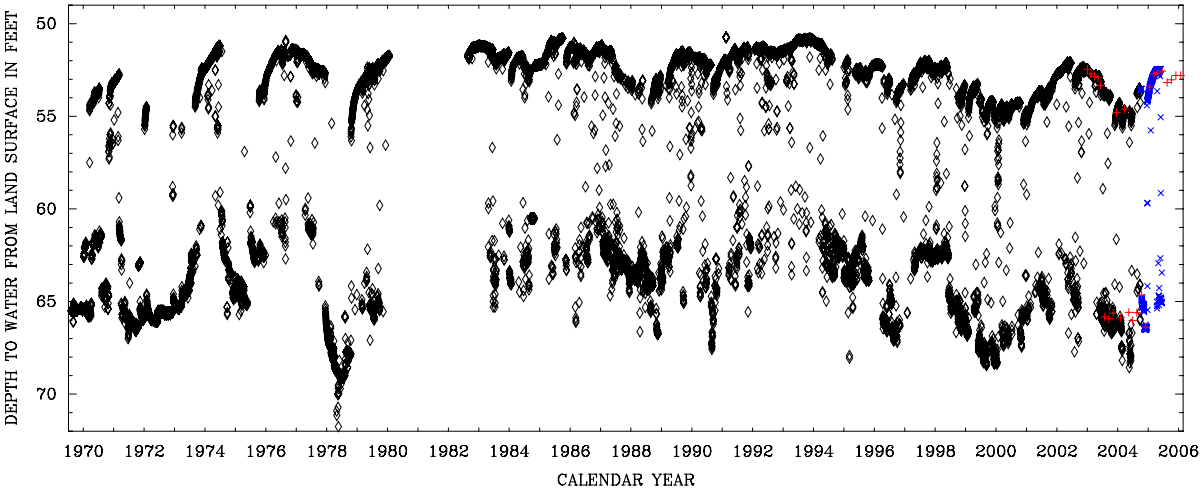
EXPLANATION

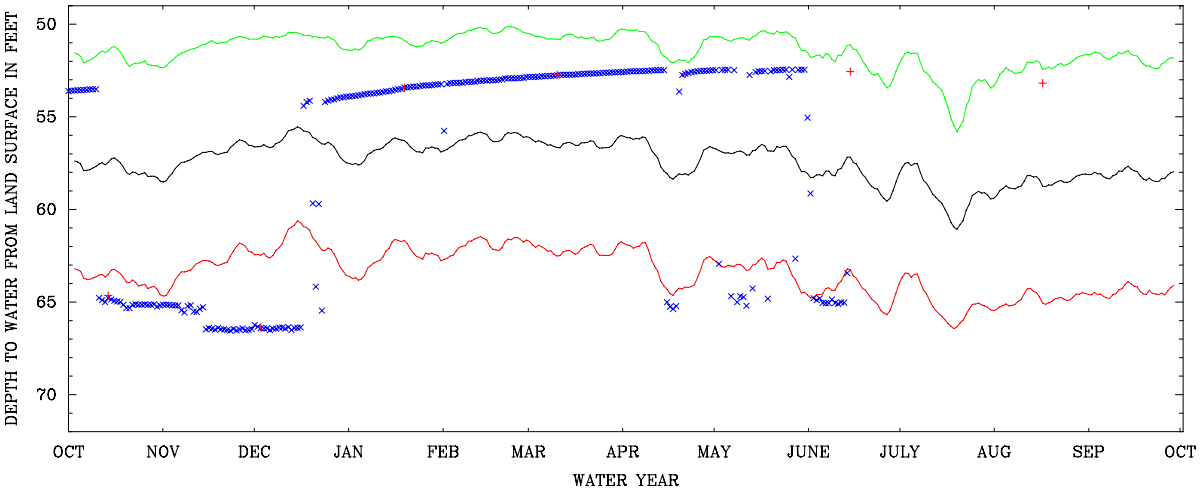
+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 421445085335201
PERIOD OF RECORD, WATER YEARS 1987-1988, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 875 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 86.0 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

02S 11W 31CDCB 01 KALAMAZOO CO (COLONY)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS
× 2005 DAILY MAXIMUM DEPTH TO WATER
PROVISIONAL DATA SUBJECT TO REVISION

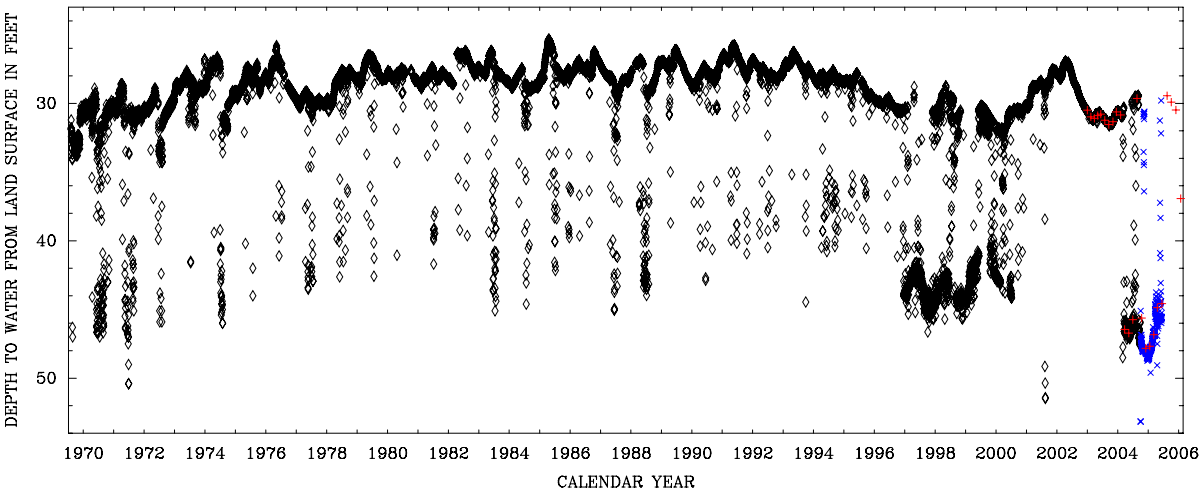
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

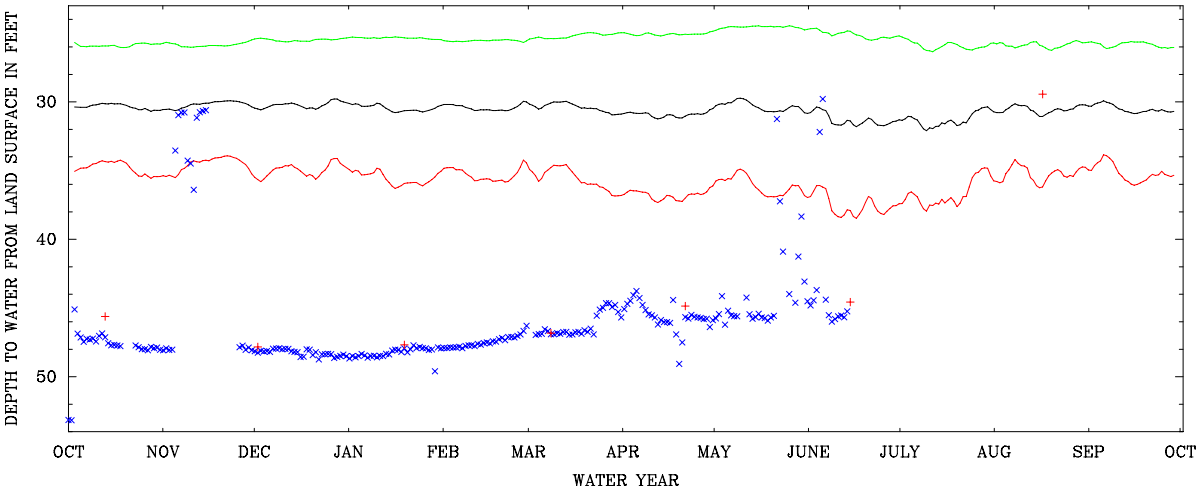
5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 421448085383601
PERIOD OF ADAPS RECORD, WATER YEARS 1969-2005, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 910 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 226 FT, PRIMARY AQUIFER DESIGNATION:GRAVEL
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

02S 11W 36CBCD 01 KALAMAZOO CO (EMERALD)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS
× 2005 DAILY MAXIMUM DEPTH TO WATER
PROVISIONAL DATA SUBJECT TO REVISION

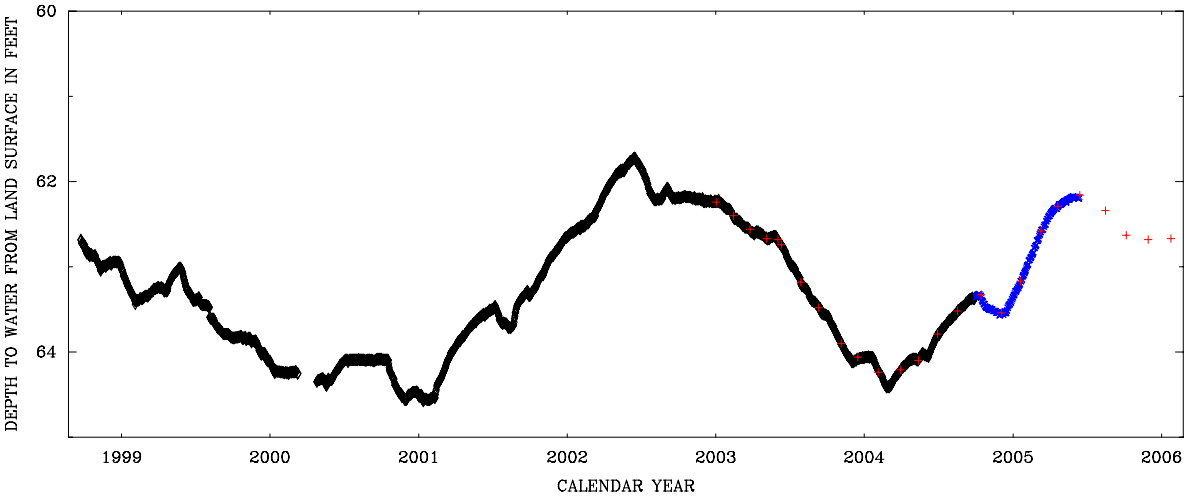
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

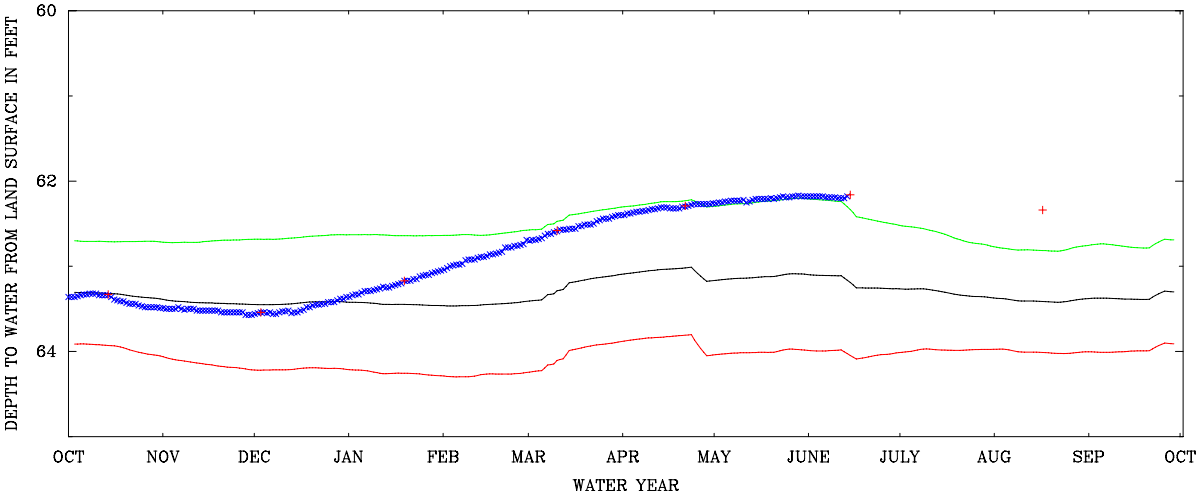
5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 421457085325801
PERIOD OF ADAPS RECORD, WATER YEARS 1969-2005, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 860 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 226 FT, PRIMARY AQUIFER DESIGNATION:GRAVEL
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

02S 11W 30CBDC01 KALAMAZOO CO (AL 3)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS
× 2005 DAILY MAXIMUM DEPTH TO WATER
PROVISIONAL DATA SUBJECT TO REVISION

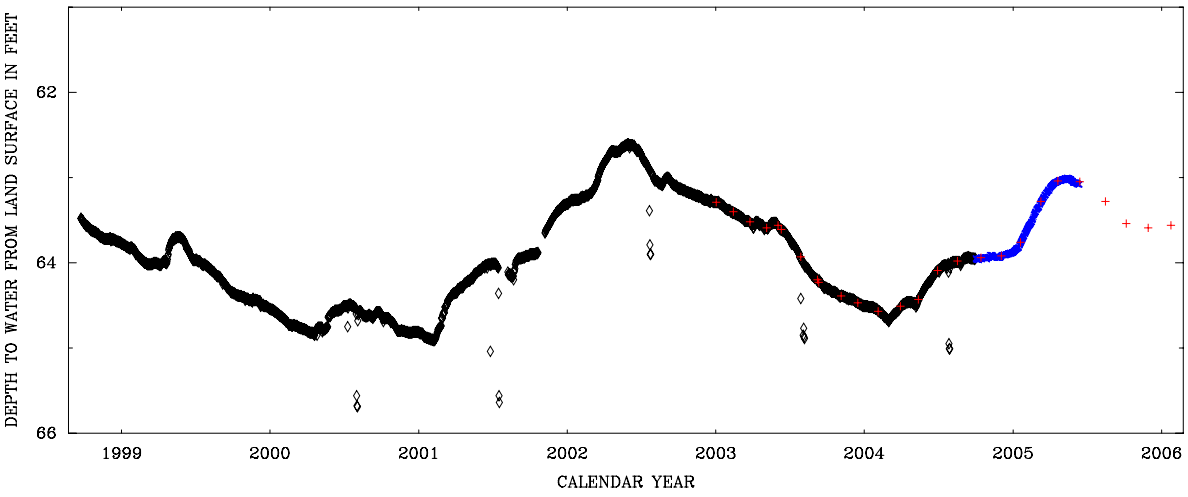
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

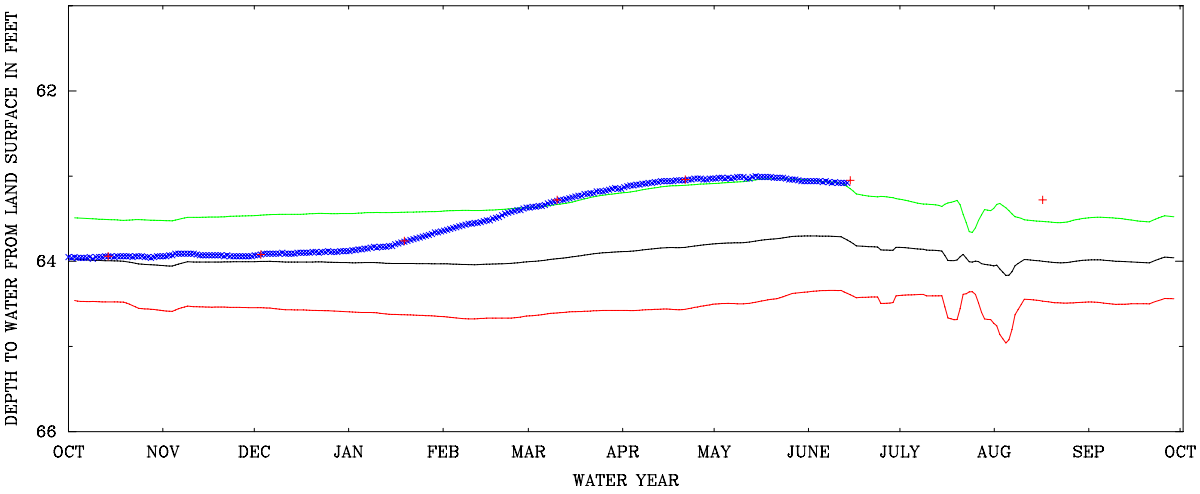
5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 421552085384001
PERIOD OF ADAPS RECORD, WATER YEARS 1998-2005, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 936.01 FT ABOVE NORTH AMERICAN VERTICAL DATUM OF 1988.
DEPTH OF WELL IS 215 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

02S 11W 30CBDC 02 KALAMAZOO CO (AL 4)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS
× 2005 DAILY MAXIMUM DEPTH TO WATER
PROVISIONAL DATA SUBJECT TO REVISION

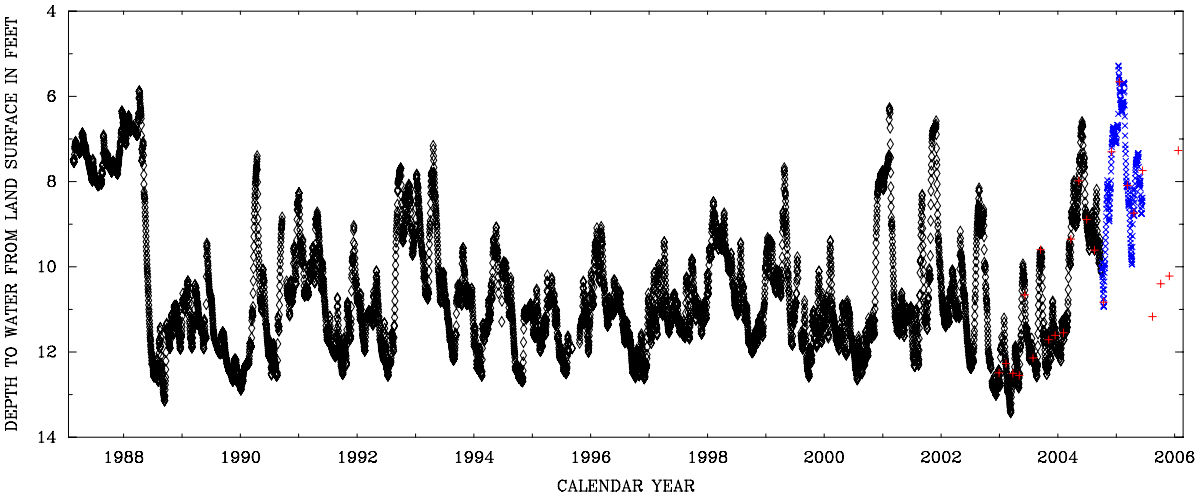
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

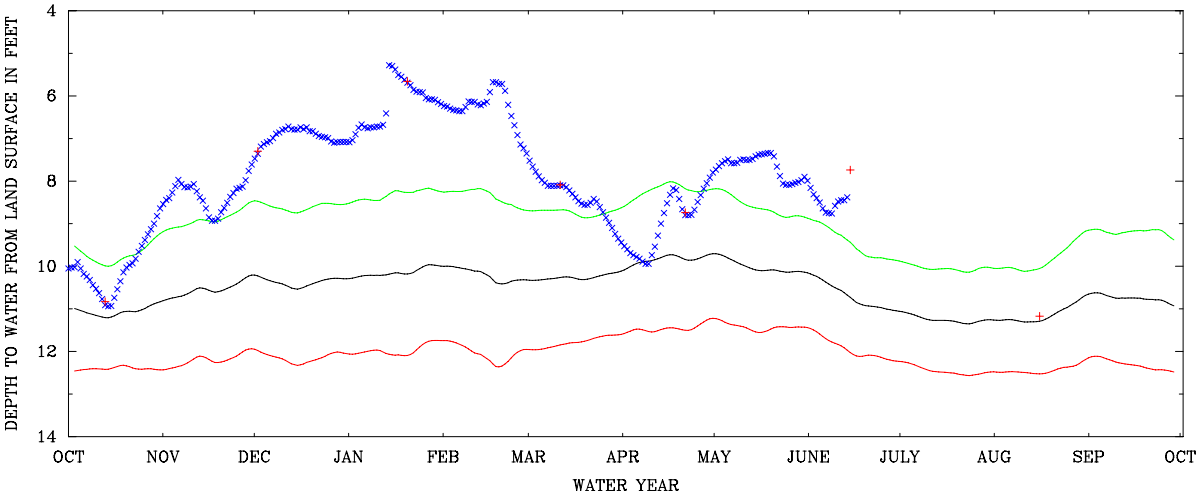
5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 421552085384002
PERIOD OF ADAPS RECORD, WATER YEARS 1998-2005, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 936.34 FT ABOVE NORTH AMERICAN VERTICAL DATUM OF 1988.
DEPTH OF WELL IS 74 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

02S 10W 26BBCC 01 KALAMAZOO CO (MORROW)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS
× 2005 DAILY MAXIMUM DEPTH TO WATER
PROVISIONAL DATA SUBJECT TO REVISION

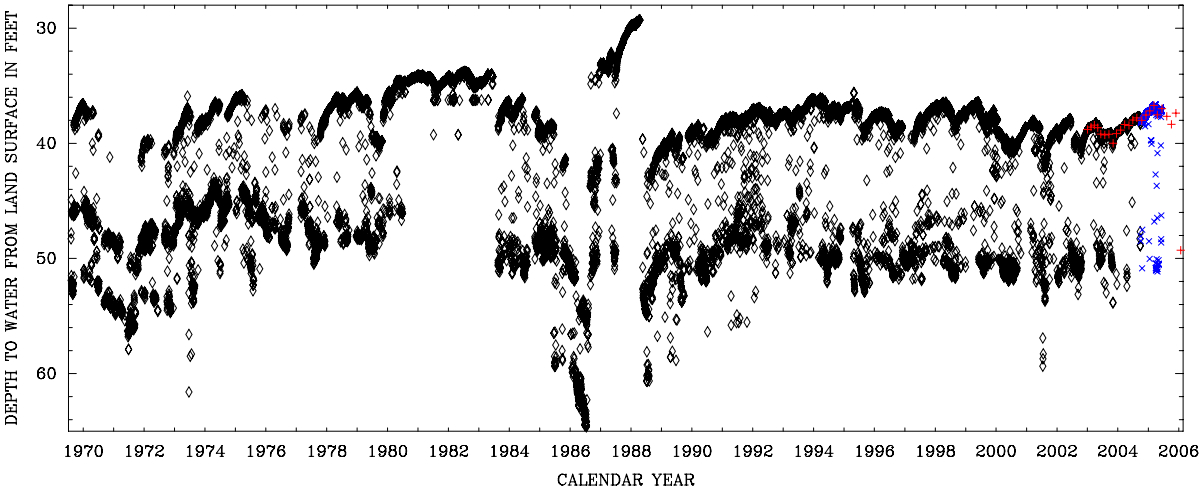
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

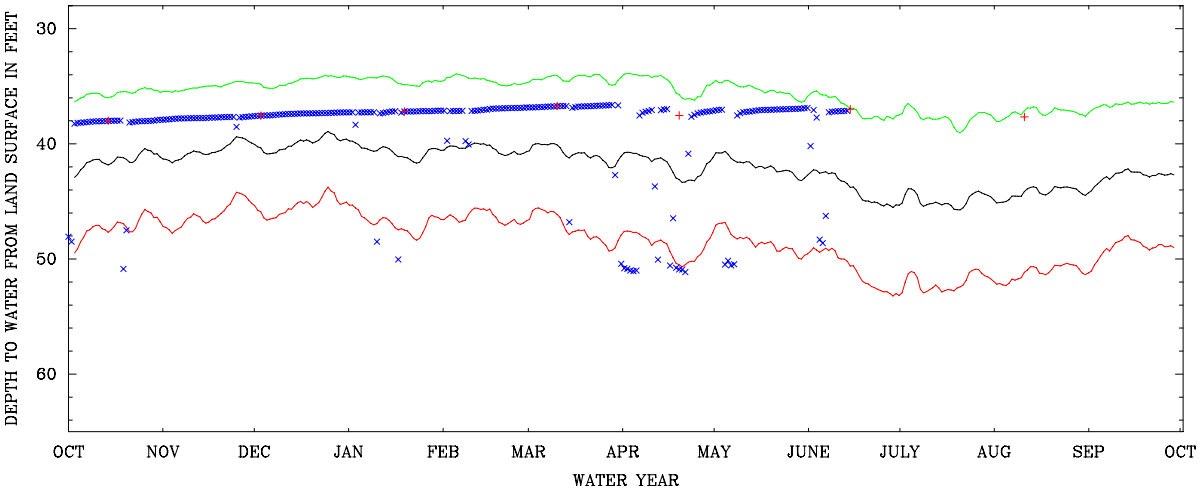
5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 421614085270801
PERIOD OF ADAPS RECORD, WATER YEARS 1987-2005, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 790 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 27 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

02S 11W 28AACC 01 KALAMAZOO CO (MAPLE)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS
× 2005 DAILY MAXIMUM DEPTH TO WATER
PROVISIONAL DATA SUBJECT TO REVISION

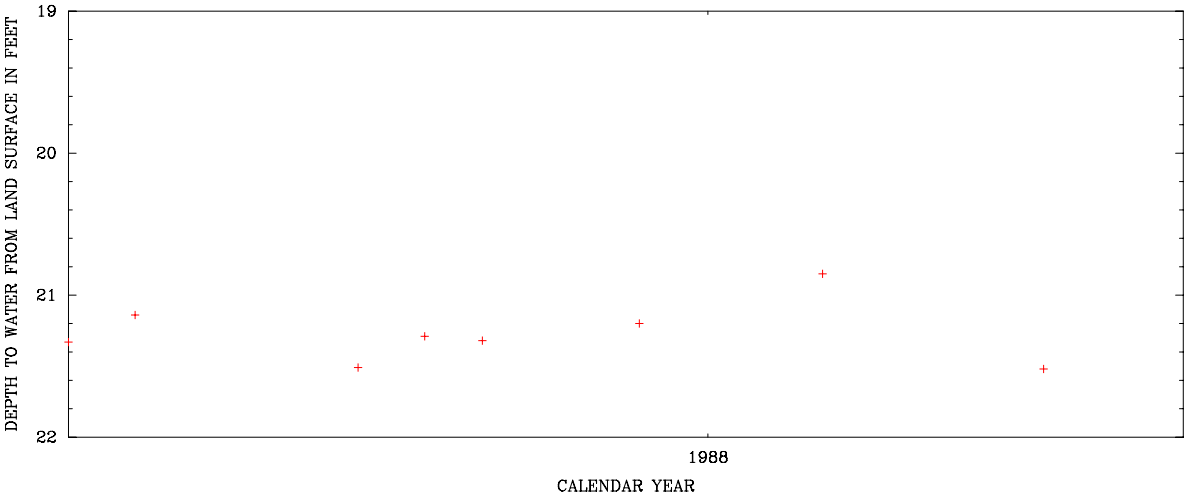
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 421614085354001
PERIOD OF ADAPS RECORD, WATER YEARS 1969-2005, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 820 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 245 FT, PRIMARY AQUIFER DESIGNATION:GRAVEL
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

02S 10W 26ABD01 KALAMAZOO CO (K-31)



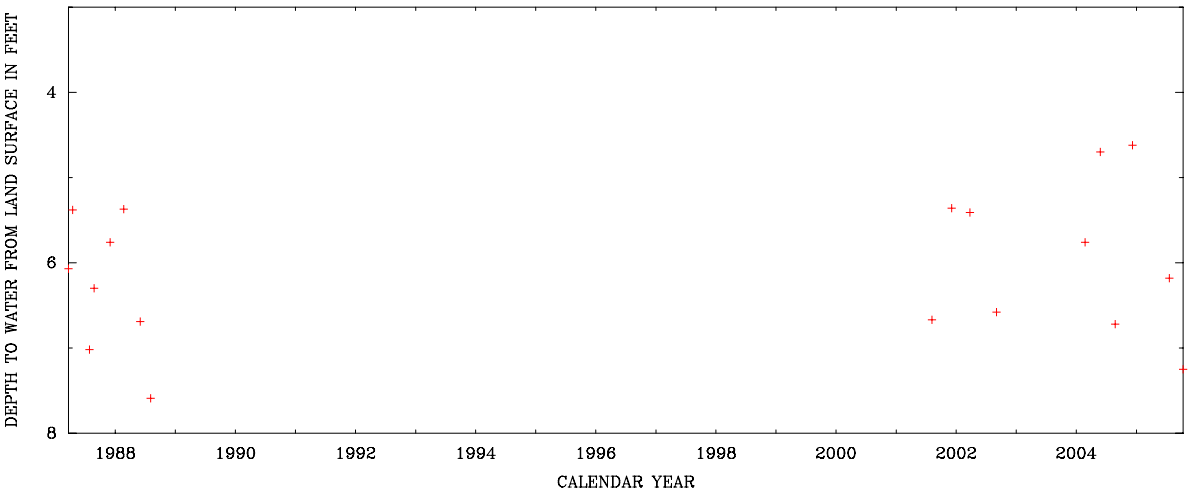
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 421616085262801
PERIOD OF RECORD, WATER YEARS 1987-1988, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 800 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 47.7 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

02S 11W 24DCCC01 KALAMAZOO CO (K-8)



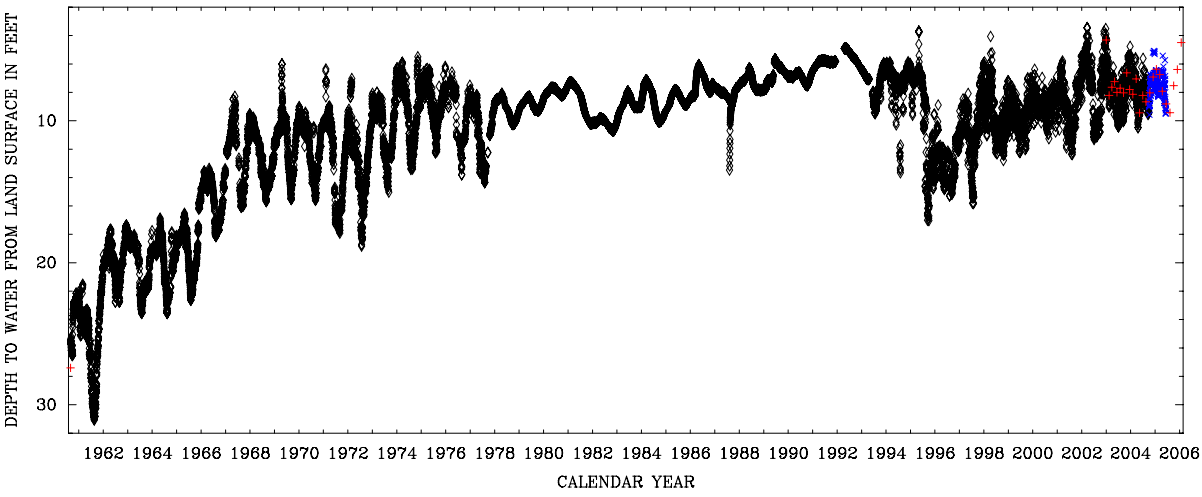
EXPLANATION

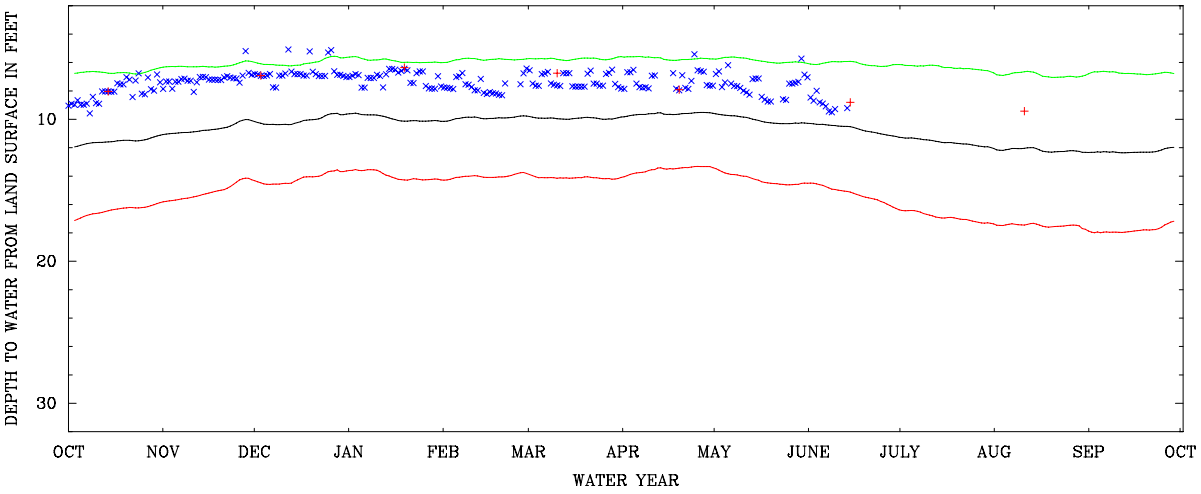
+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 421630085322601
PERIOD OF RECORD, WATER YEARS 1987-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 780 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 35.4 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

02S 11W 22CDBB 01 KALAMAZOO CO (STOCKBRIDGE)





EXPLANATION

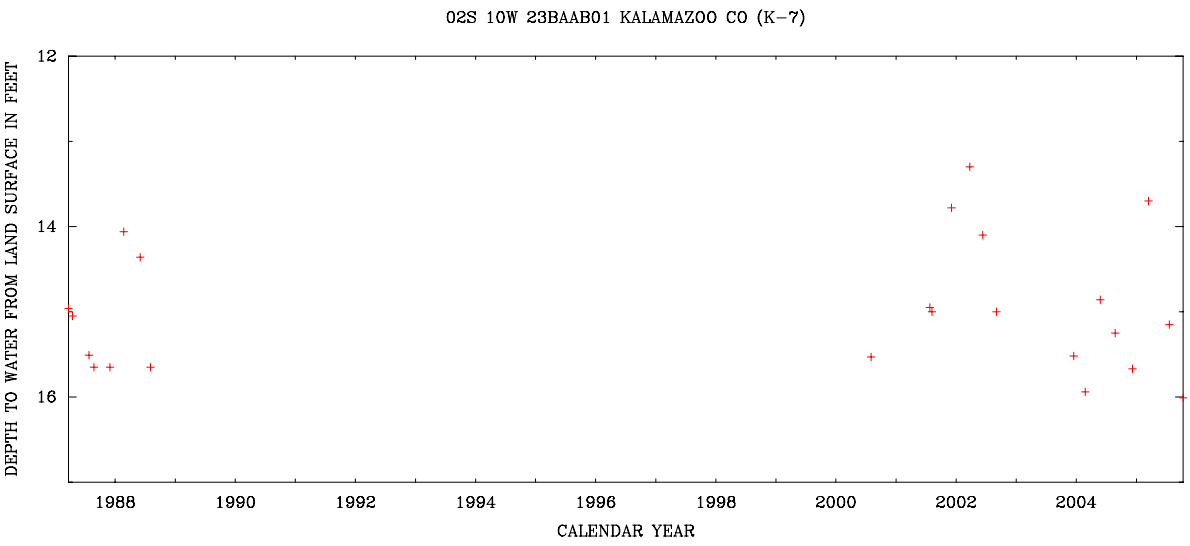
◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS
× 2005 DAILY MAXIMUM DEPTH TO WATER
PROVISIONAL DATA SUBJECT TO REVISION

AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 421641085350601
PERIOD OF ADAPS RECORD, WATER YEARS 1960-2005, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 764.70 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 137 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903



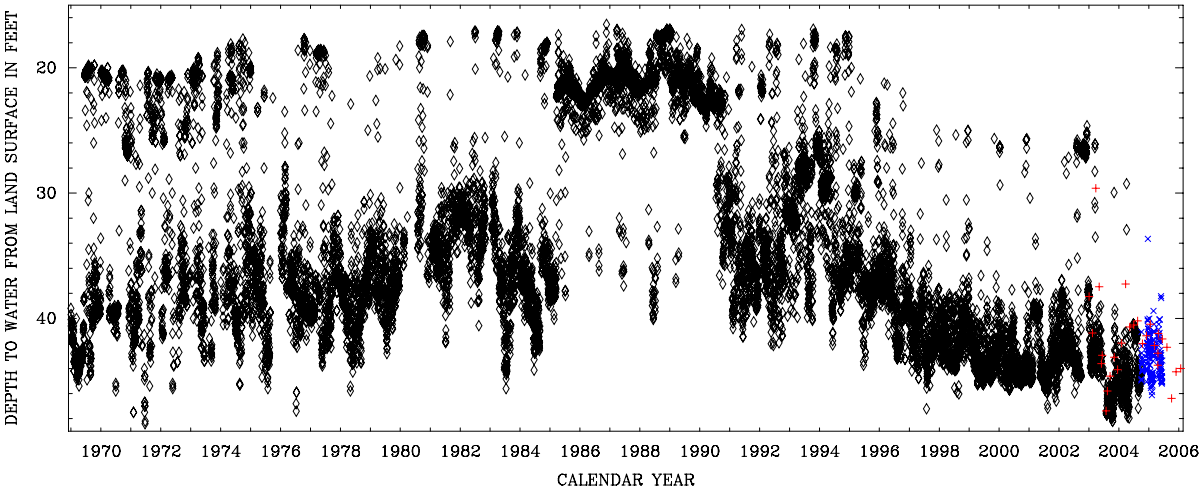
EXPLANATION

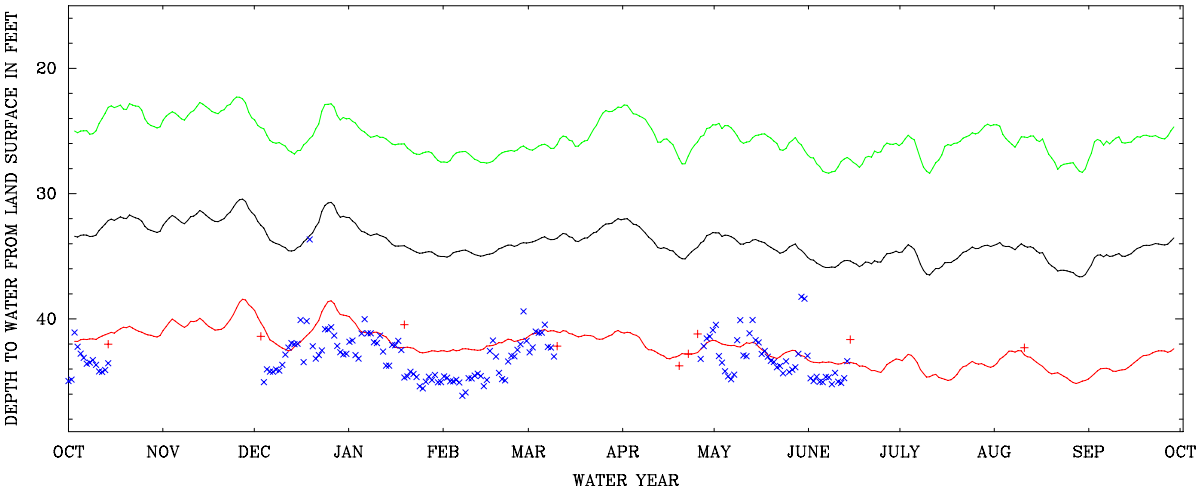
+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 421713085264601
PERIOD OF RECORD, WATER YEARS 1987-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 800 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 29.0 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

02S 11W 20BBBD 02 KALAMAZOO CO (KENDALL)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS
× 2005 DAILY MAXIMUM DEPTH TO WATER
PROVISIONAL DATA SUBJECT TO REVISION

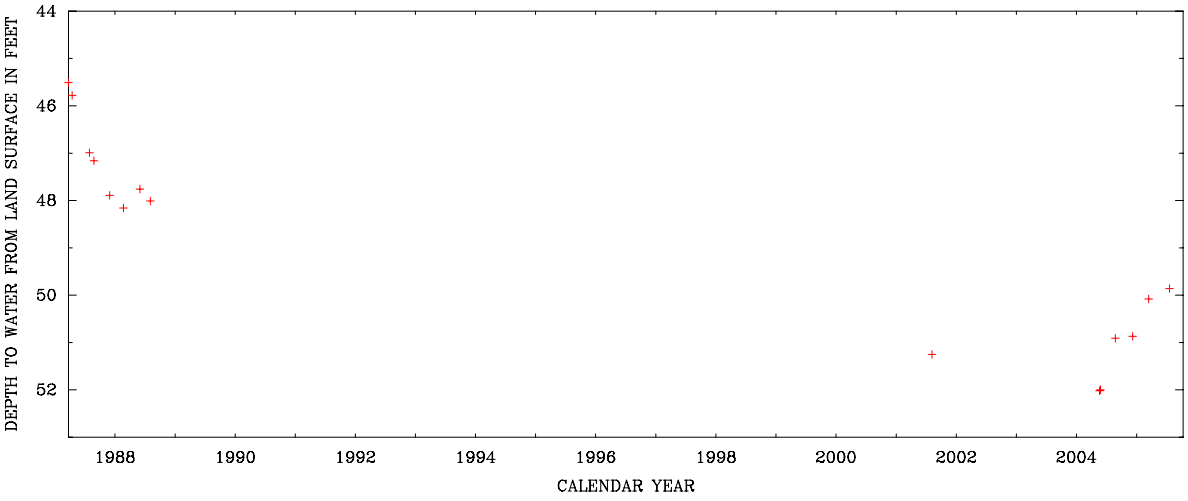
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 421716085373702
PERIOD OF ADAPS RECORD, WATER YEARS 1969-2005, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 880 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 106 FT, PRIMARY AQUIFER DESIGNATION:OUTWASH
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

02S 12W 18CAAA01 KALAMAZOO CO (K-9)



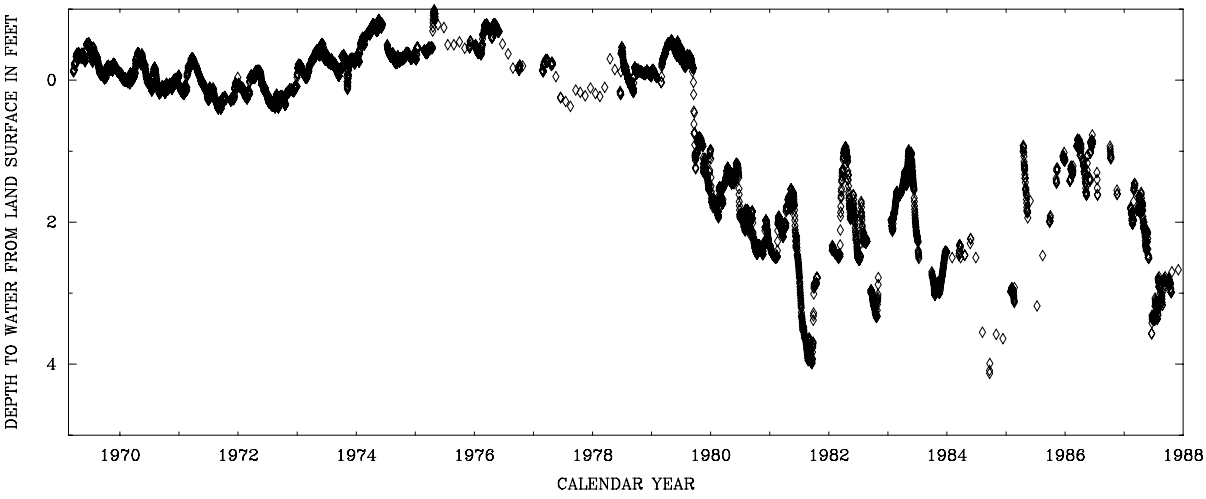
EXPLANATION

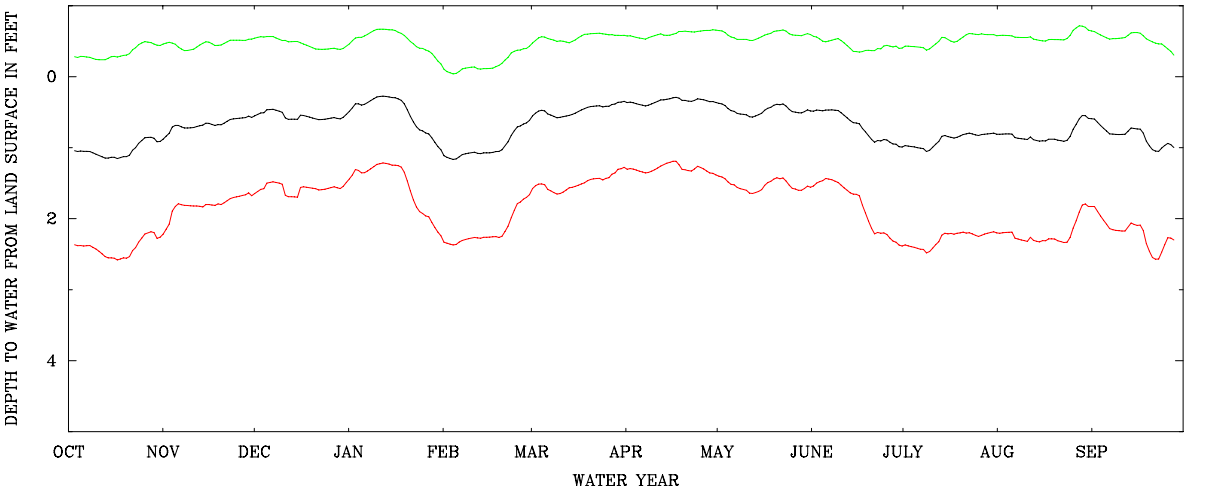
+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 421742085452501
PERIOD OF RECORD, WATER YEARS 1987-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 845 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 67.5 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

02S 10W 09B 01 KALAMAZOO CO (SCHOONOVER)





EXPLANATION

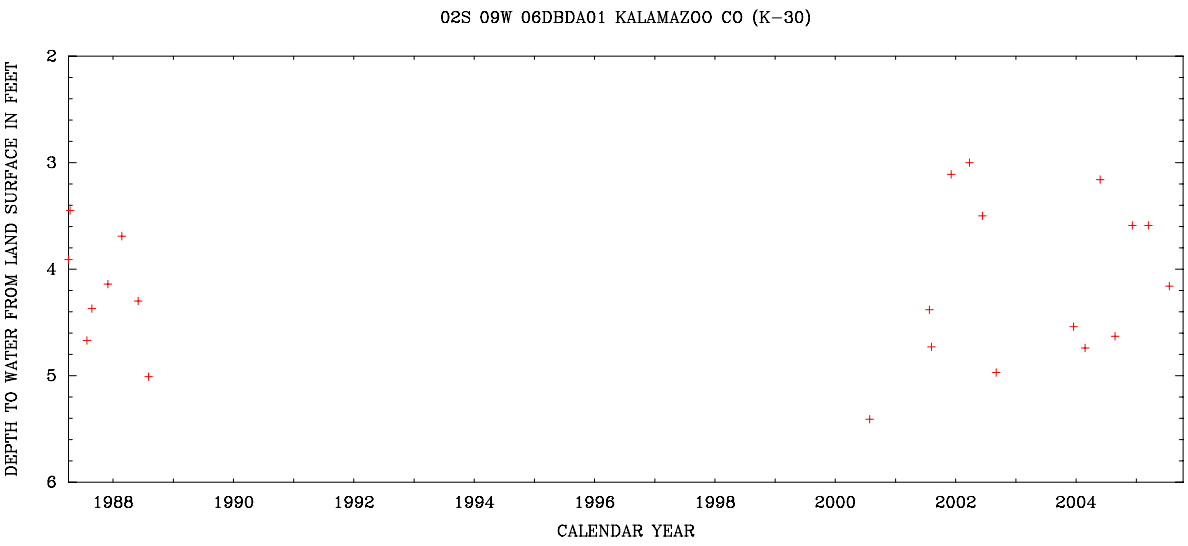
◊ DAILY MAXIMUM DEPTH TO WATER

AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 421858085291701
PERIOD OF ADAPS RECORD, WATER YEARS 1969-1988, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 828 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 21 FT, PRIMARY AQUIFER DESIGNATION:OUTWASH
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903



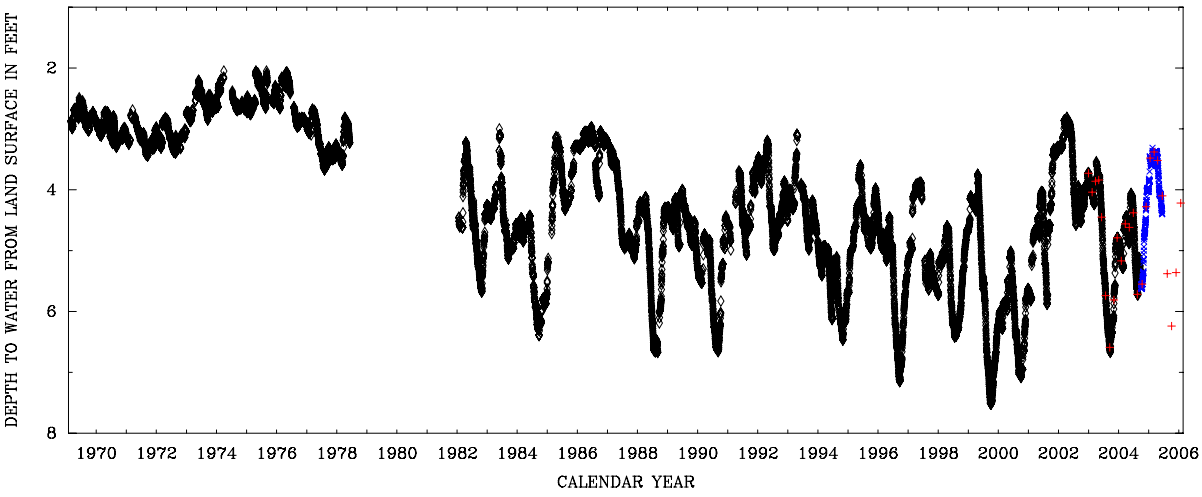
EXPLANATION

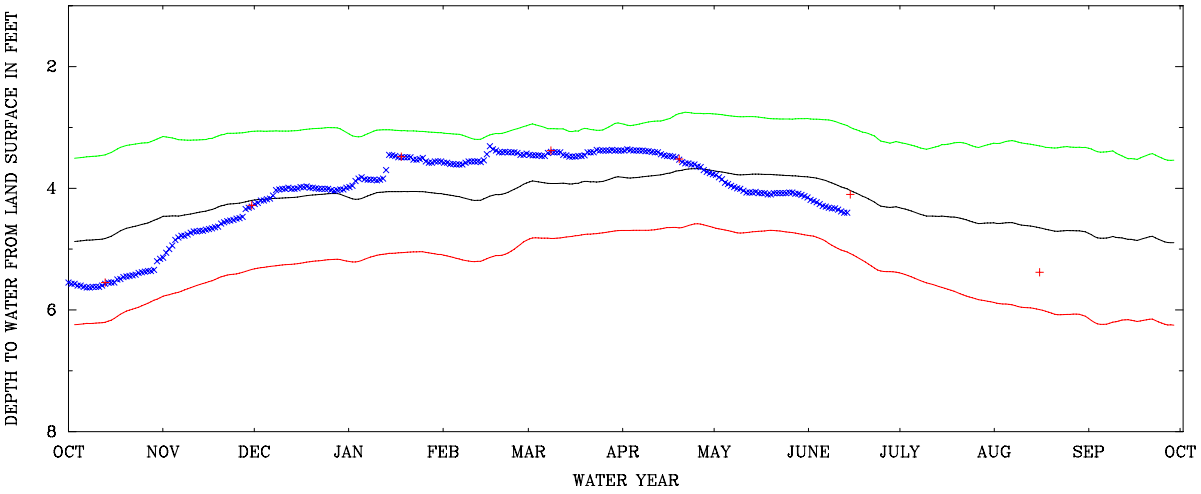
+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 421908085240501
PERIOD OF RECORD, WATER YEARS 1987-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 827 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 27.5 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

02S 10W 04DACC 01 KALAMAZOO CO (CAMPBELL)





EXPLANATION

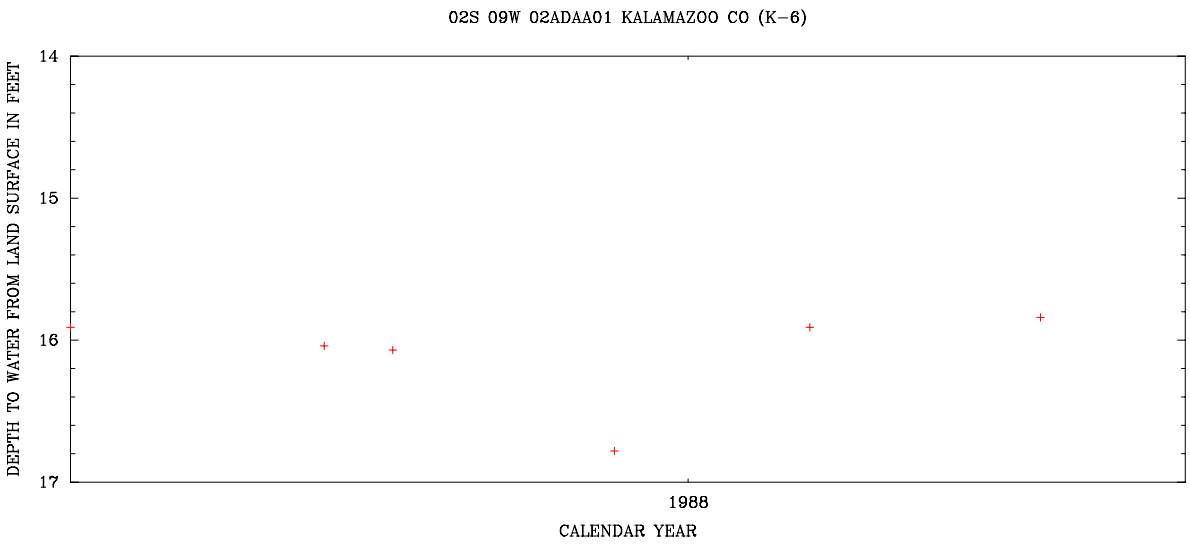
◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS
× 2005 DAILY MAXIMUM DEPTH TO WATER
PROVISIONAL DATA SUBJECT TO REVISION

AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 421918085283801
PERIOD OF ADAPS RECORD, WATER YEARS 1969-2005, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 836.50 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 13 FT, PRIMARY AQUIFER DESIGNATION:GLACIAL DEPOSITS,UNDIFFERENTIATED
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903



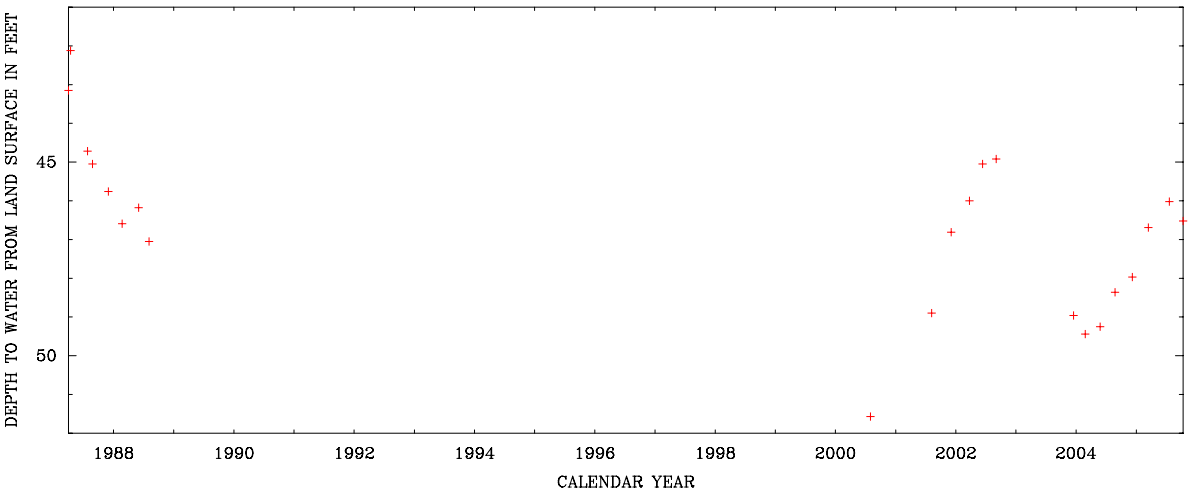
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 421942085190301
PERIOD OF RECORD, WATER YEARS 1987-1988, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 820 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 39.1 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

01S 10W 32CDDC01 KALAMAZOO CO (K-29)

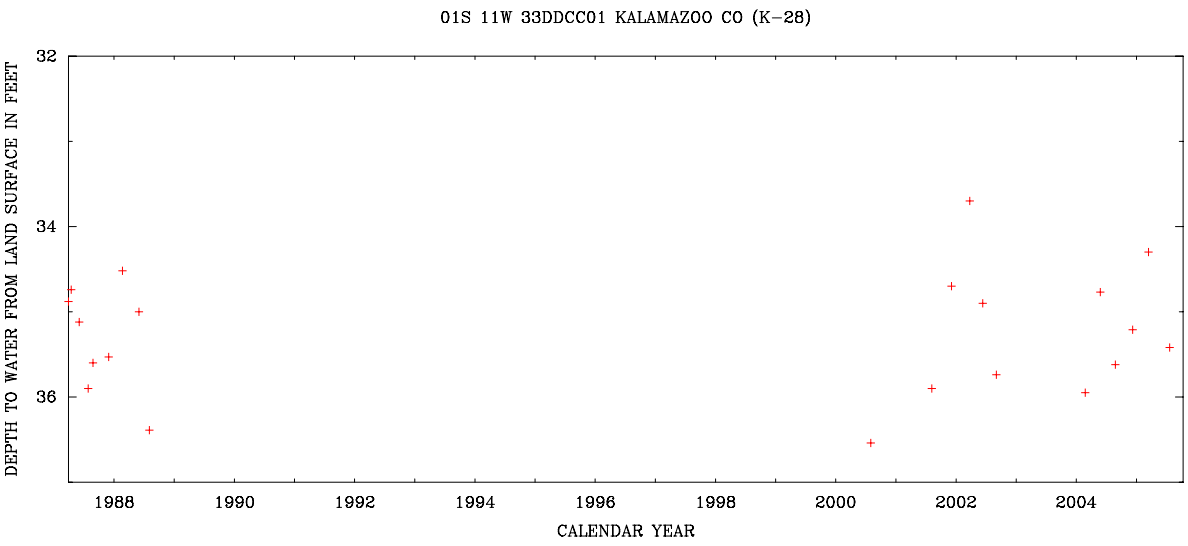


EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 422004085301801
PERIOD OF RECORD, WATER YEARS 1987-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 919 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 65.4 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

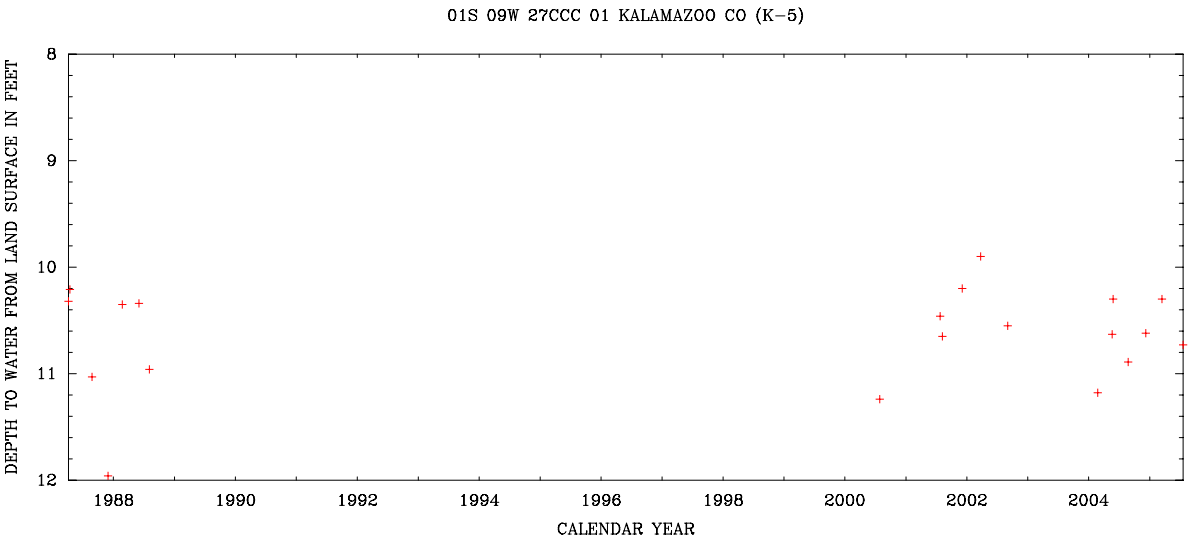


EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 422006085353901
PERIOD OF RECORD, WATER YEARS 1987-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 798 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 55.0 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903



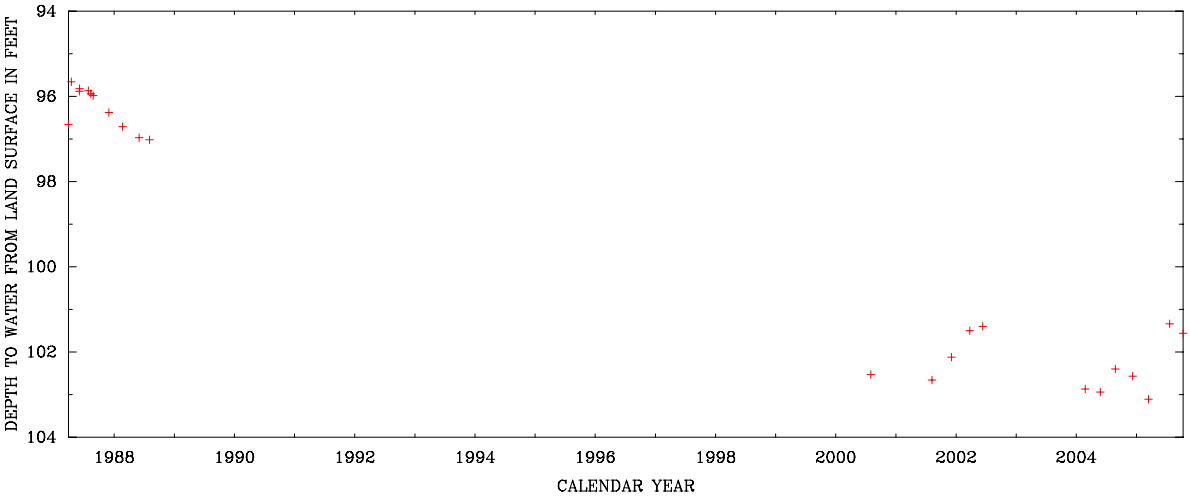
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 422056085211701
PERIOD OF RECORD, WATER YEARS 1987-2005, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 810 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 34.8 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

01S 12W 25ABCC01 KALAMAZOO CO (K-1)



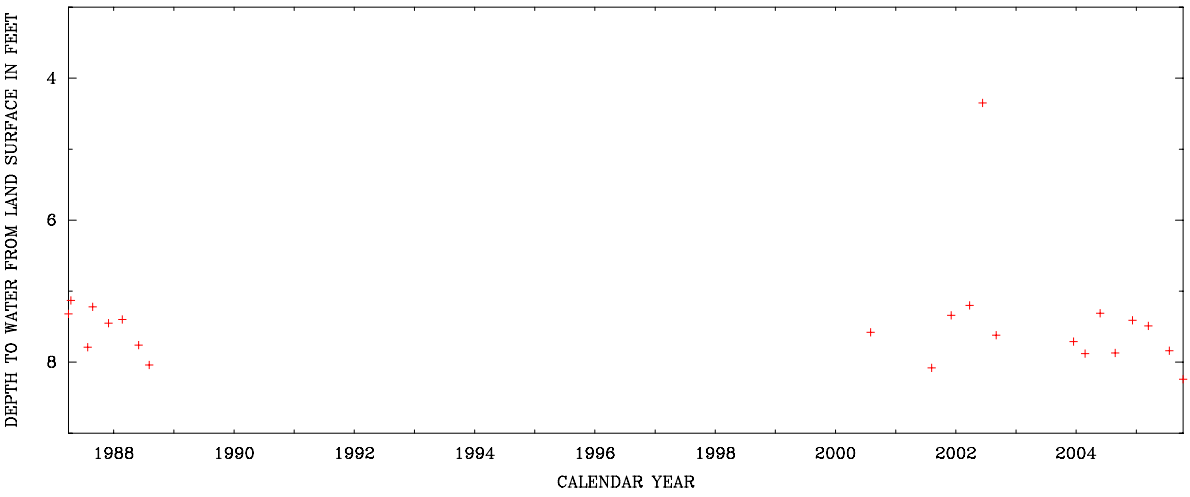
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 422117085393001
PERIOD OF RECORD, WATER YEARS 1987-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 940 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 146.0 FT, PRIMARY AQUIFER DESIGNATION:MORAINE
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

01S 10W 19CBDC01 KALAMAZOO CO. (K-3)



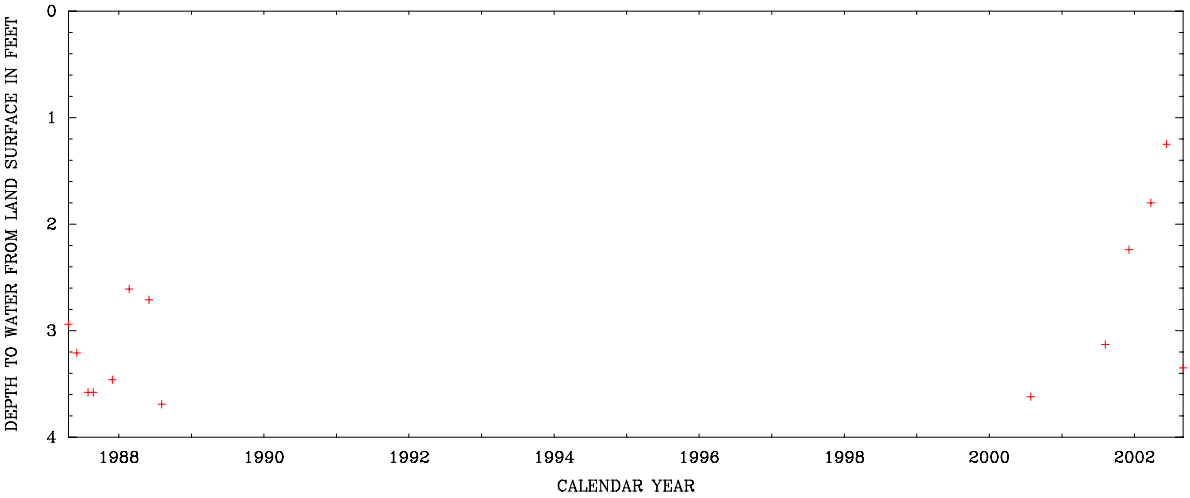
EXPLANATION

\+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 422153085314701
PERIOD OF RECORD, WATER YEARS 1987-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 810 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 37.8 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

01S 09W 24DAD 01 KALAMAZOO CO (K-34)

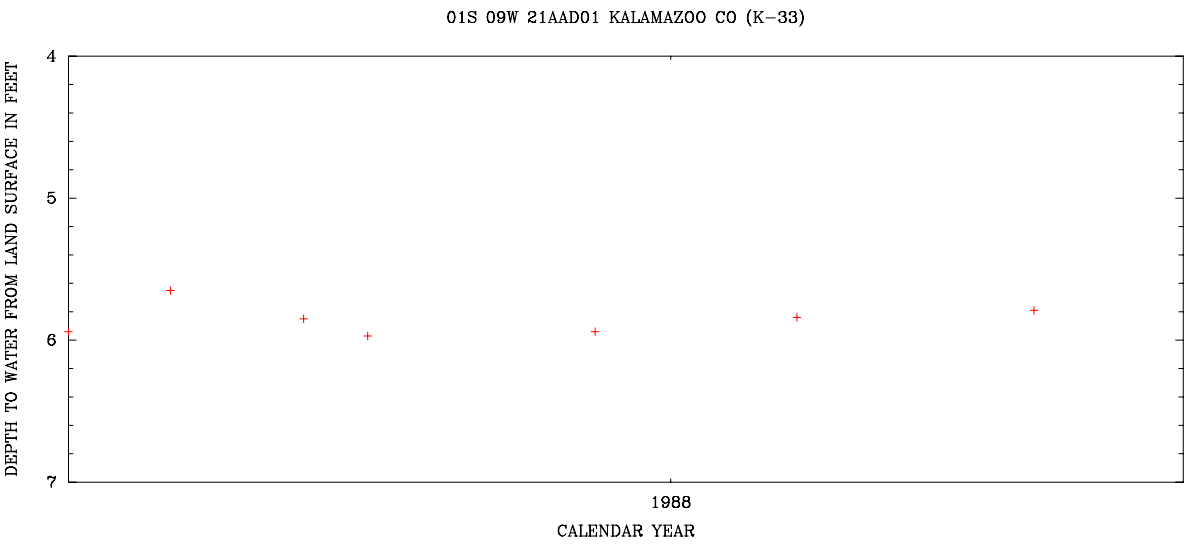


EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 422207085175501
PERIOD OF RECORD, WATER YEARS 1987-2002, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 810 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 62.5 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903



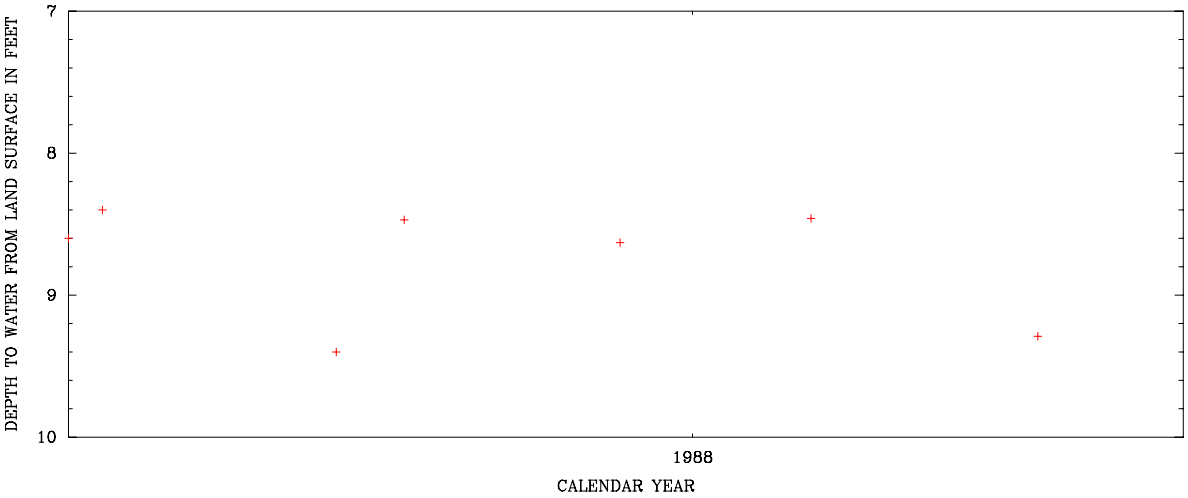
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 422227085213001
PERIOD OF RECORD, WATER YEARS 1987-1988, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 840 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 75.7 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

01S 11W 22ABBB01 KALAMAZOO CO (K-2)

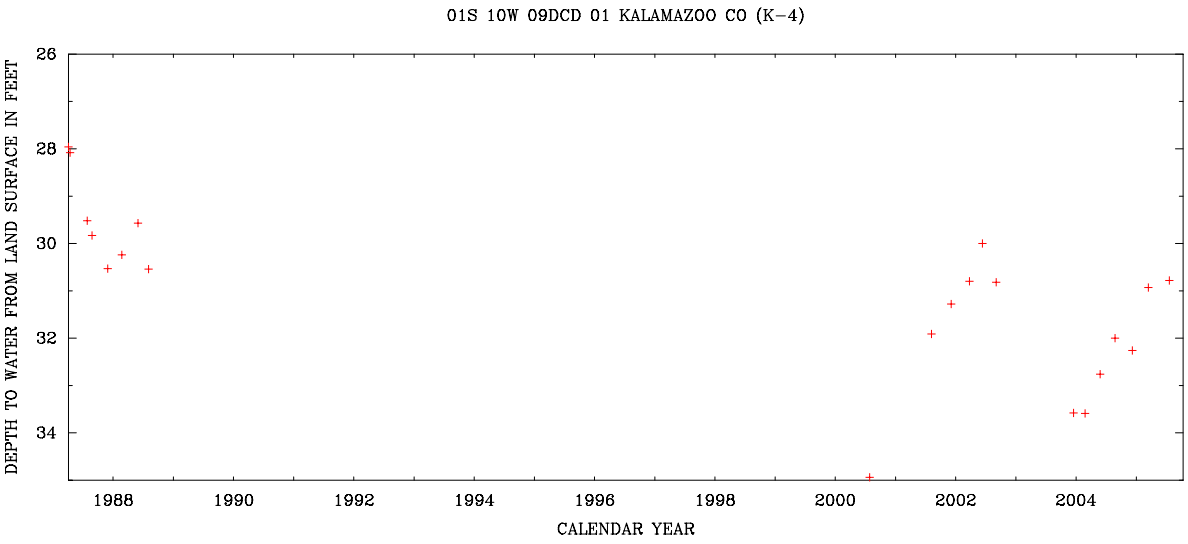


EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 422232085344701
PERIOD OF RECORD, WATER YEARS 1987-1988, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 760 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 37.90 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903



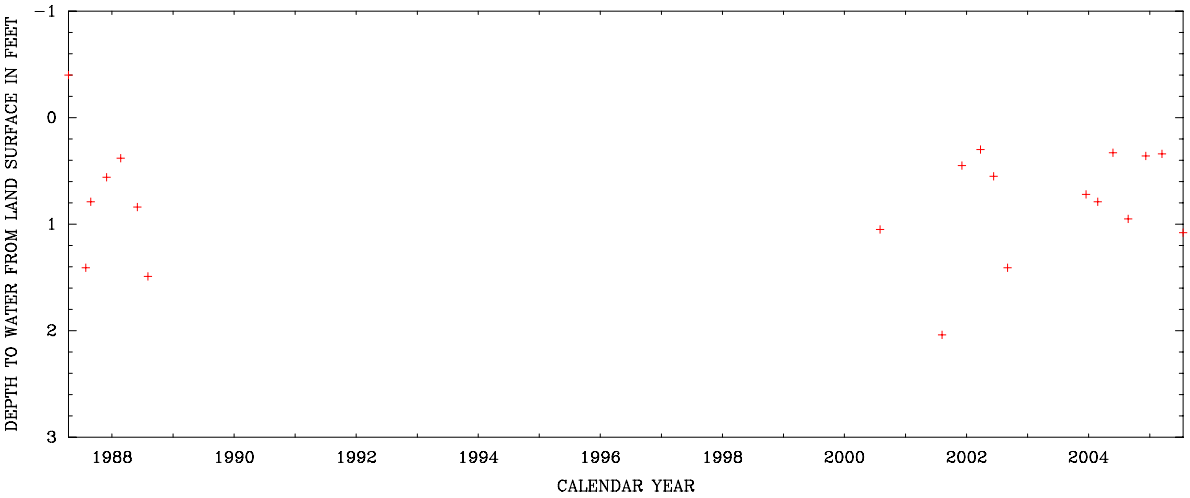
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 422328085285701
PERIOD OF RECORD, WATER YEARS 1987-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 930 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 46.7 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

01S 12W 05DDC 01 KALAMAZOO CO (K-27)



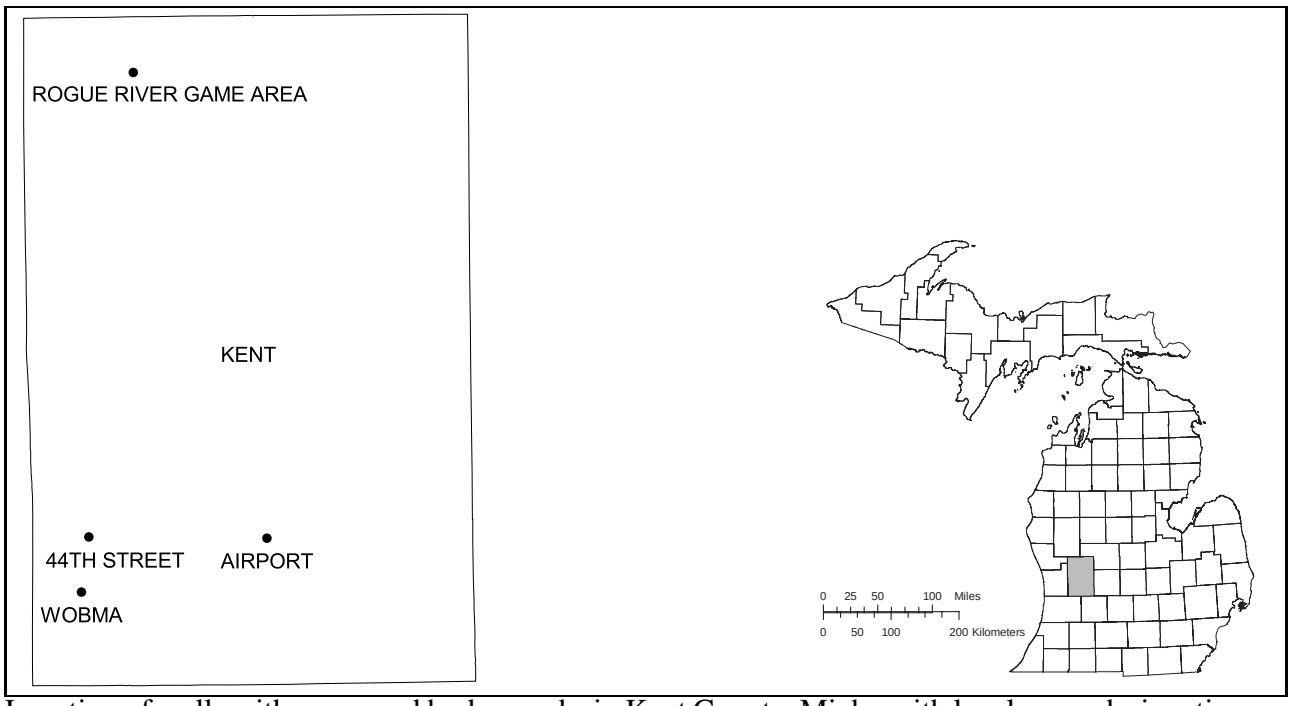
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER YEAR SUMMARY FOR TAPE-DOWN ONLY STATIONS

USGS STATION 422418085440201
PERIOD OF RECORD, WATER YEARS 1987 - 2005, PLOT GENERATED 12/6/2005
DEPTH OF WELL IS 37.5 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov
517-887-8903(TELEPHONE); 517-887-8937(FAX); hwreeves@usgs.gov (EMAIL)

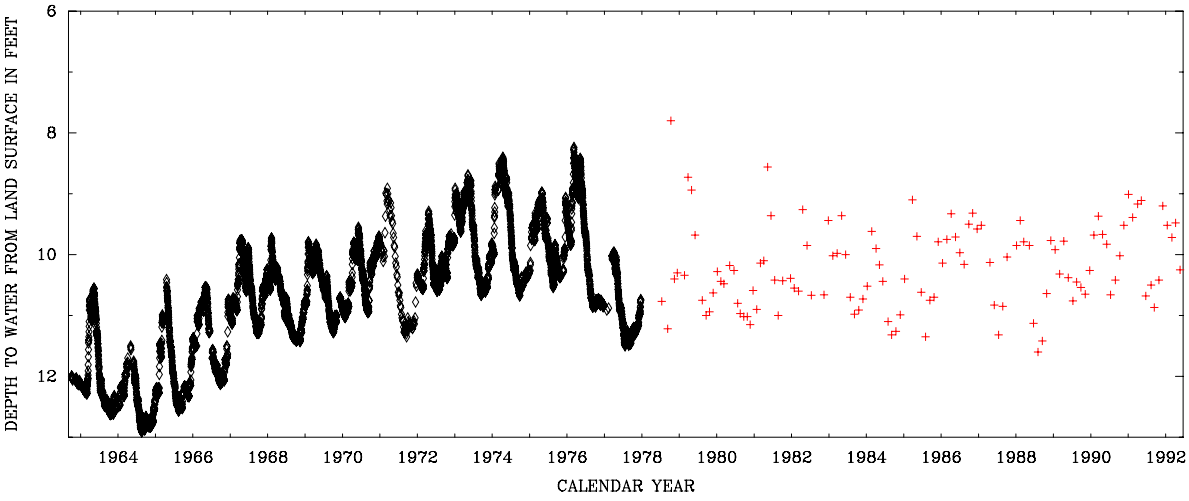
Kent County

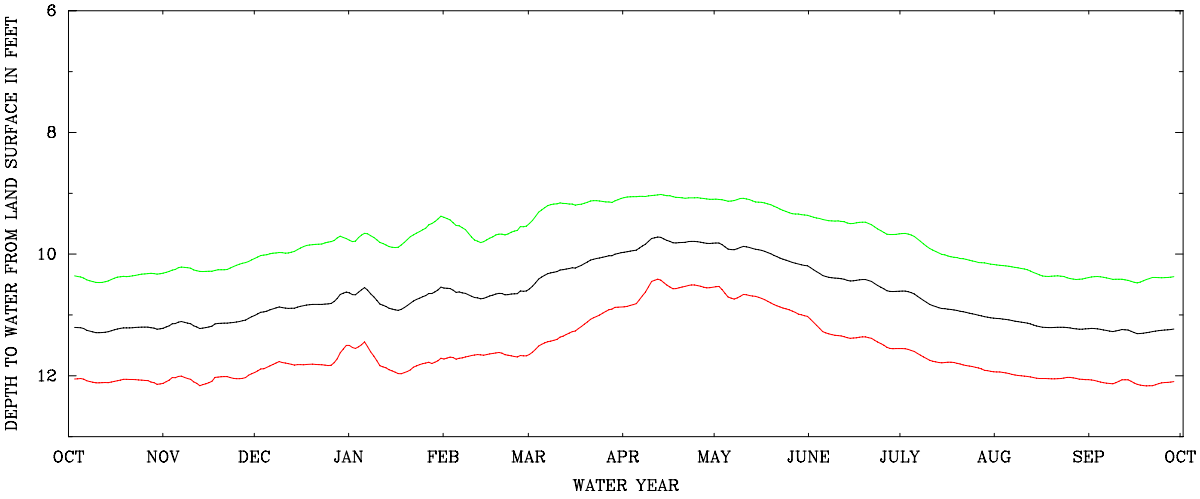


Location of wells with recovered hydrographs in Kent County, Mich., with local name designation.

USGS STATION No.	USGS STATION NAME
425030085434901	05N 12W 04DCCD01 KENT CO (WOBMA)
425300085315501	06N 10W 30AA 01 KENT CO (AIRPORT)
425305085432001	06N 12W 27BBBA01 KENT CO (44TH STREET)
431500085402201	10N 12W 13DDDA 01 KENT CO (ROGUE RIVER GAME AREA)

05N 12W 04DCCD01 KENT CO (WOBMA)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS

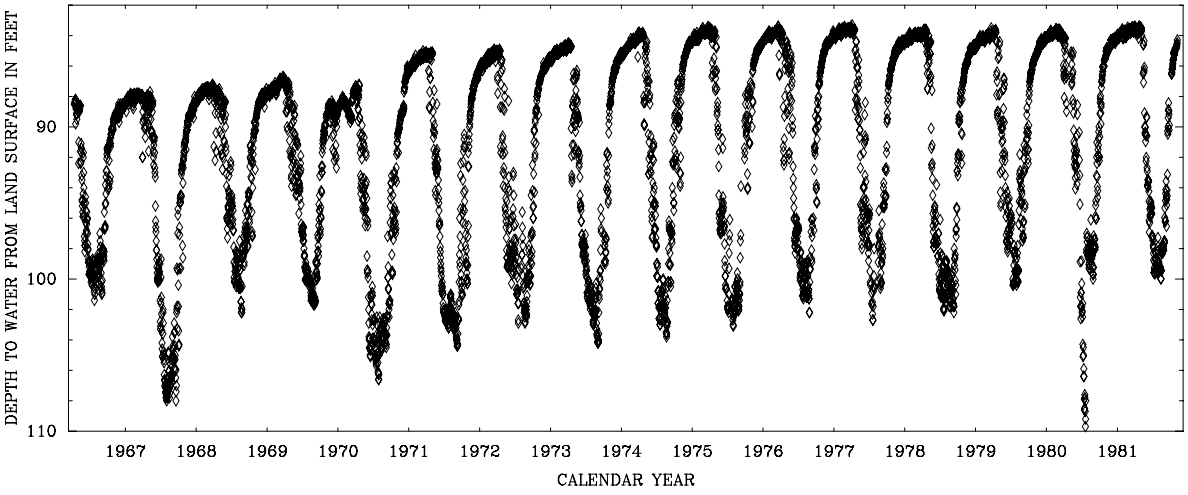
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

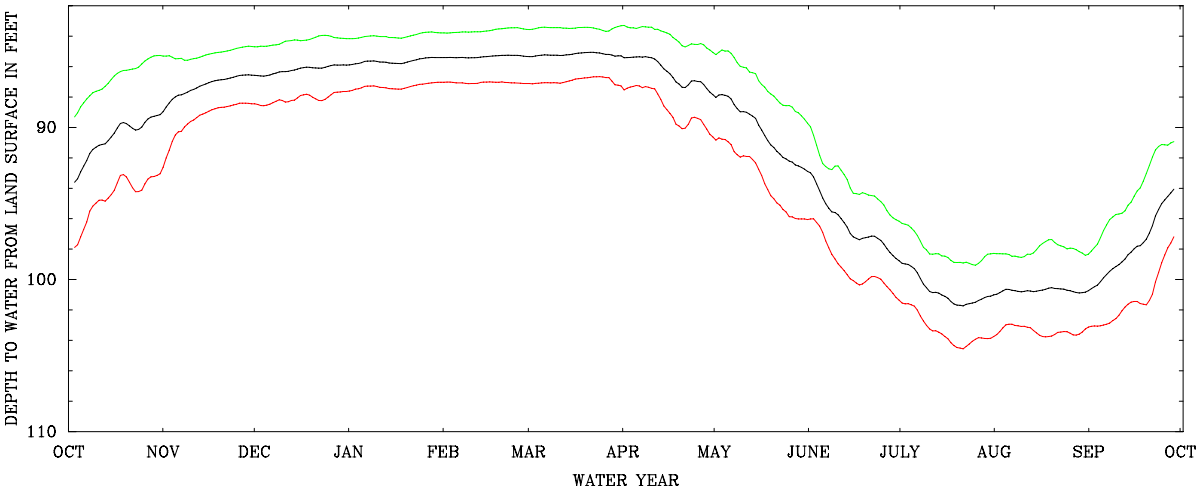
5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 425030085434901
PERIOD OF ADAPS RECORD, WATER YEARS 1963-1978, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 685.97 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 91.0 FT, PRIMARY AQUIFER DESIGNATION:GRAVEL
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

06N 10W 30AA 01 KENT CO (AIRPORT)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER

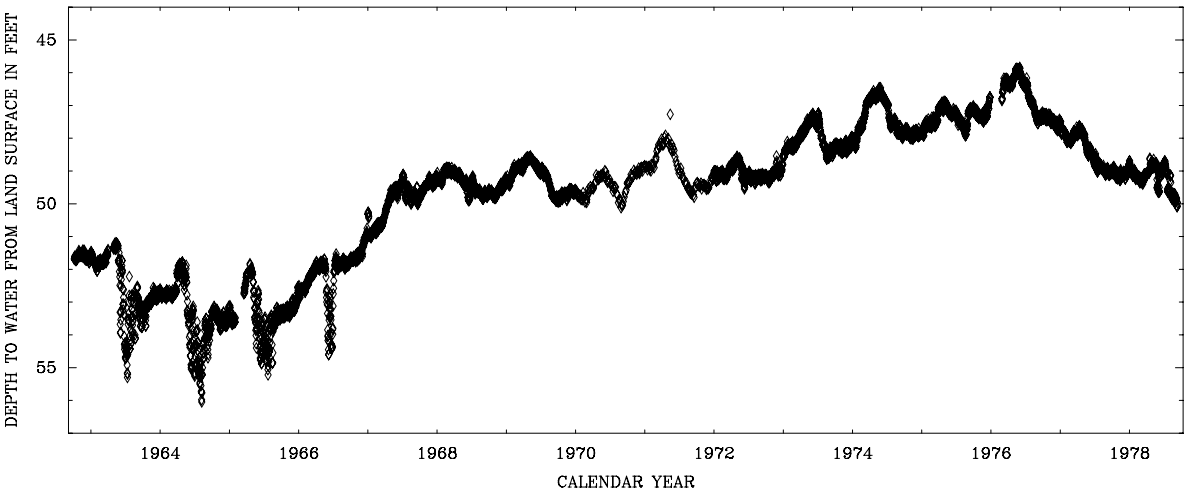
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

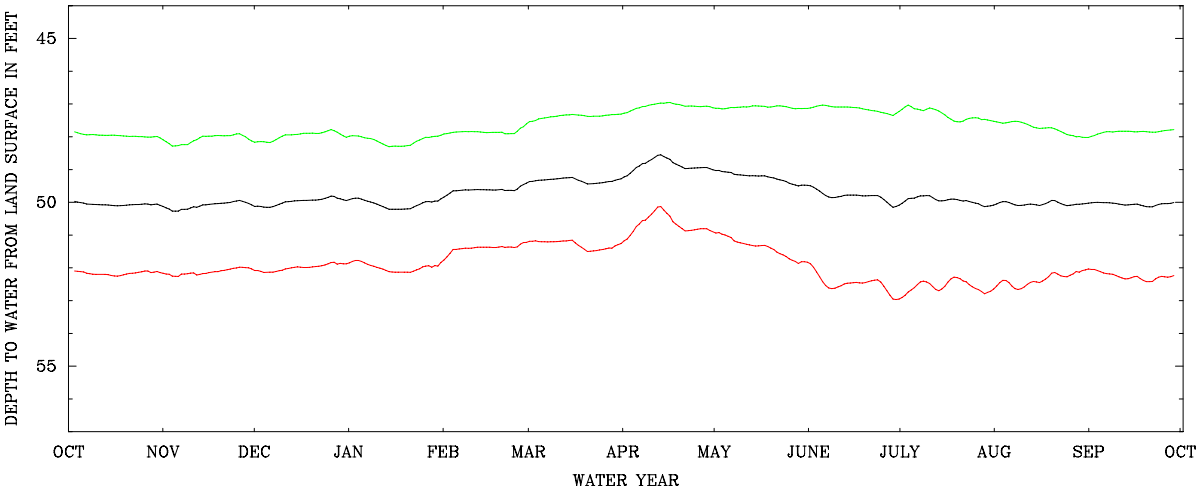
5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 425300085315501
PERIOD OF ADAPS RECORD, WATER YEARS 1966-1982, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 800 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 190 FT, PRIMARY AQUIFER DESIGNATION:GLACIAL DEPOSITS,UNDIFFERENTIATED
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

06N 12W 27BBBA01 KENT CO (44TH STREET)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER

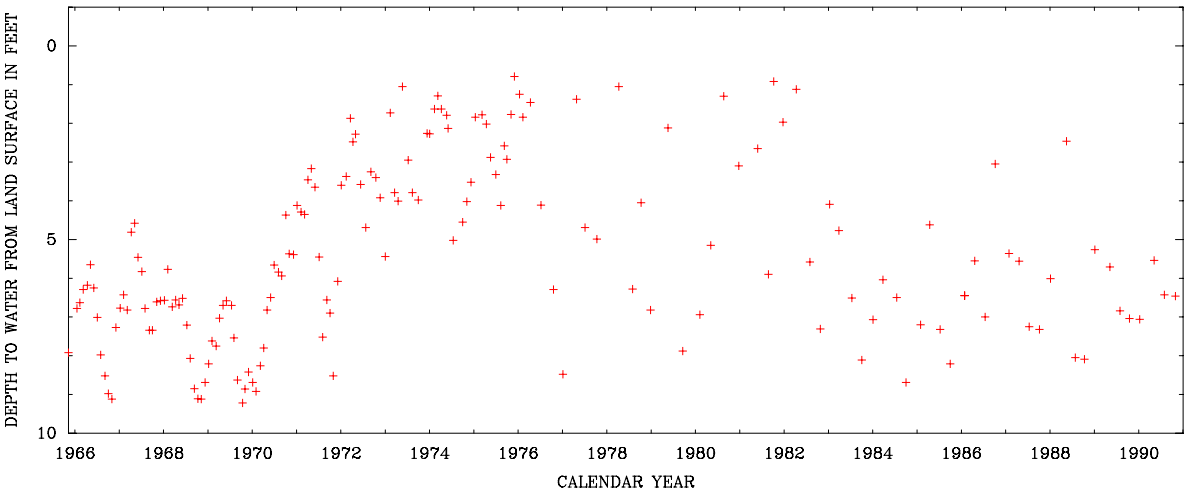
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 425305085432001
PERIOD OF ADAPS RECORD, WATER YEARS 1963-1978, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 707.2 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 265 FT, PRIMARY AQUIFER DESIGNATION:MARSHALL FORMATION
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

10N 12W 13DDDA 01 KENT CO (ROGUE RIVER GAME AREA)



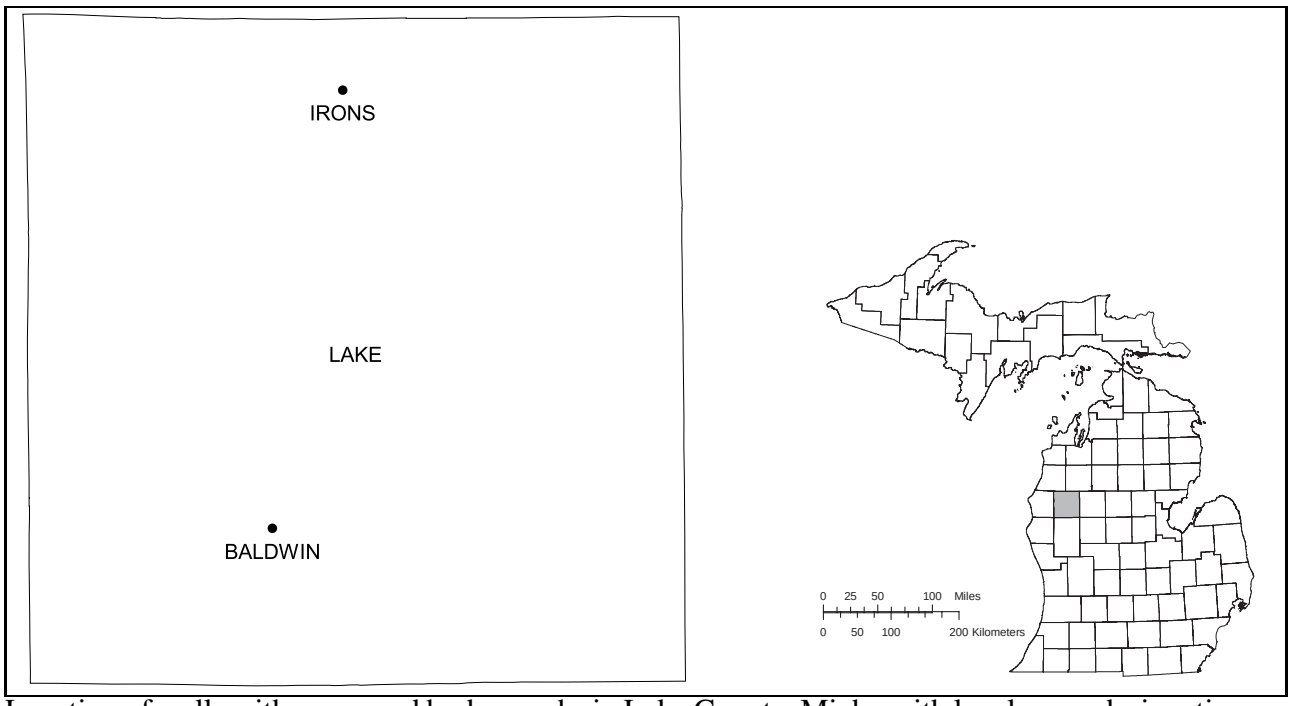
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 431500085402201
PERIOD OF RECORD, WATER YEARS 1966-1991, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 785 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 30.0 FT, PRIMARY AQUIFER DESIGNATION:GLACIAL DEPOSITS,UNDIFFERENTIATED
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

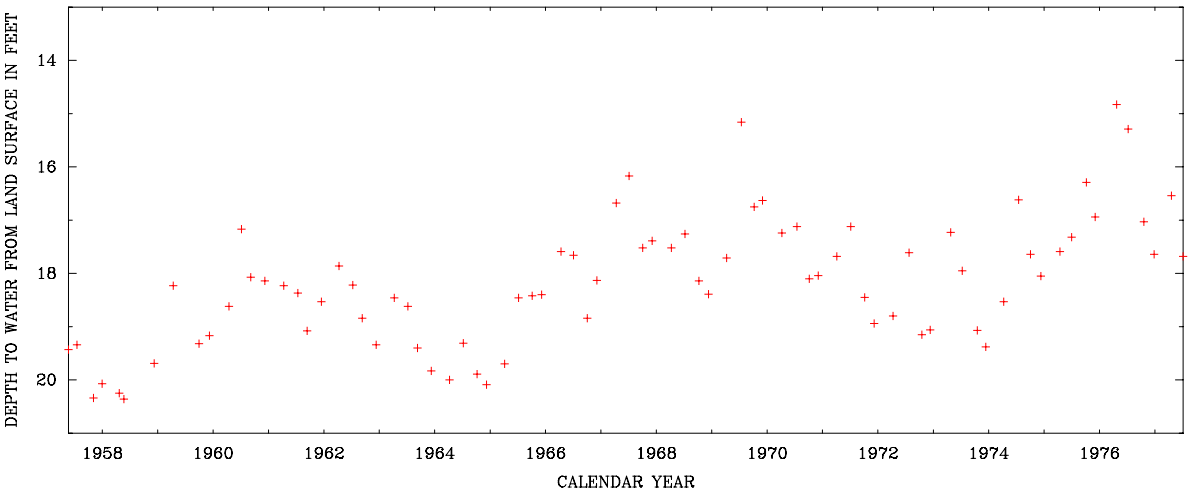
Lake County



Location of wells with recovered hydrographs in Lake County, Mich., with local name designation.

USGS STATION No.	USGS STATION NAME
435348085514401	17N 13W 04ADAA01 LAKE CO (BALDWIN)
440737085483701	20N 13W 13ACAC01 LAKE CO (IRONS)

17N 13W 04ADAA01 LAKE CO (BALDWIN)

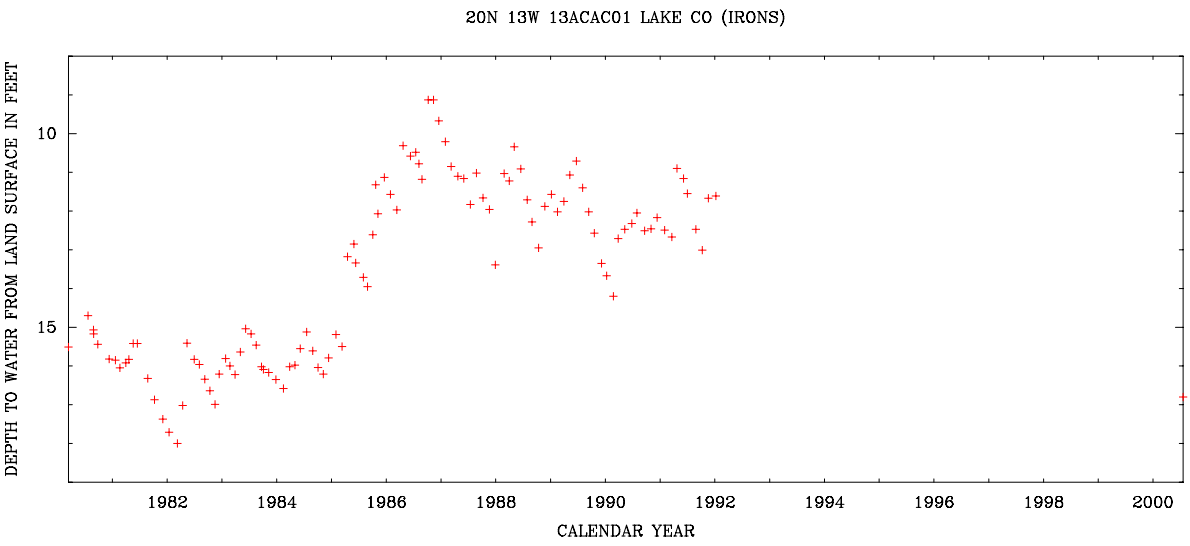


EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 435348085514401
PERIOD OF RECORD, WATER YEARS 1957-1977, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 840 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 71.5 FT, PRIMARY AQUIFER DESIGNATION:GLACIAL DEPOSITS,UNDIFFERENTIATED
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903



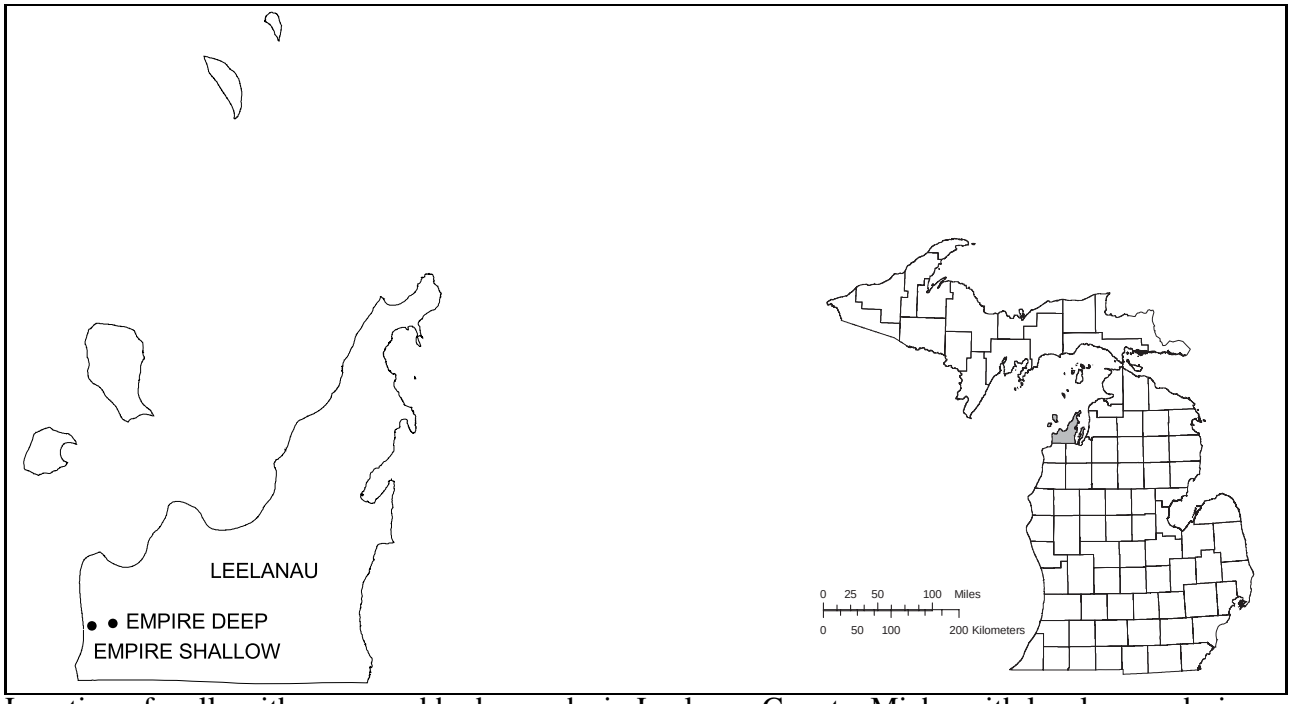
EXPLANATION

\+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 440737085483701
PERIOD OF RECORD, WATER YEARS 1980-2000, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 945 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 57.0 FT, PRIMARY AQUIFER DESIGNATION:OUTWASH
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

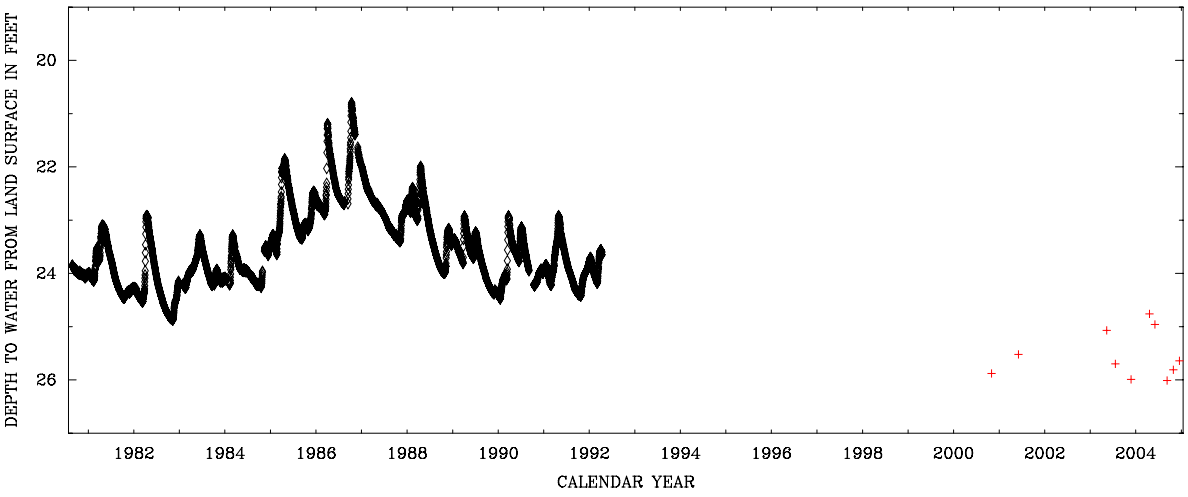
Leelanau County

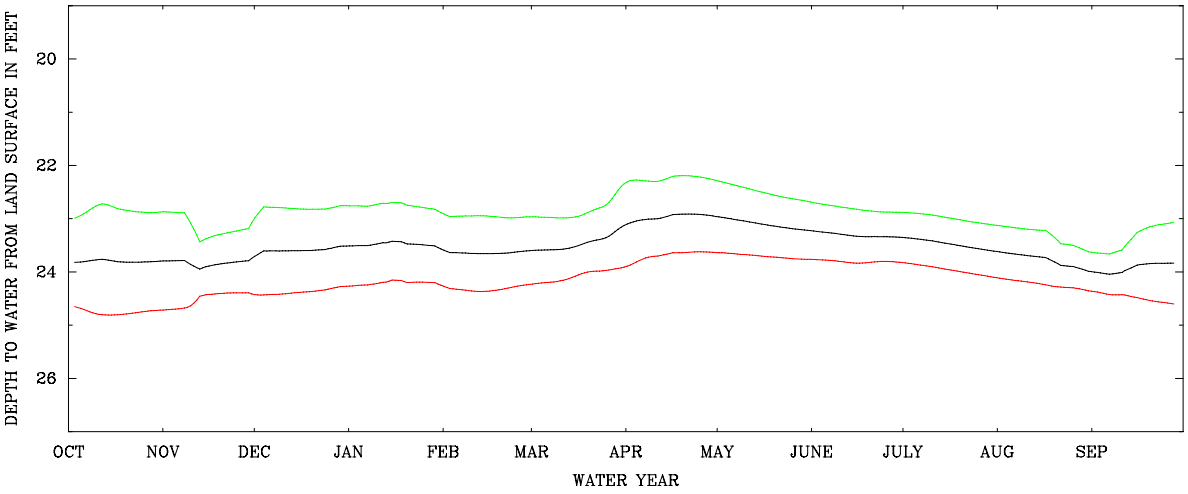


Location of wells with recovered hydrographs in Leelanau County, Mich., with local name designation.

USGS STATION No.	USGS STATION NAME
445011086031401	28N 14W 18BABB01 LEELANAU CO (EMPIRE SHALLOW,#5)
445020086012201	28N 14W 08DDCA01 LEELANAU CO (EMPIRE DEEP,#6)

28N 14W 18BABB01 LEELANAU CO (EMPIRE SHALLOW,#5)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS

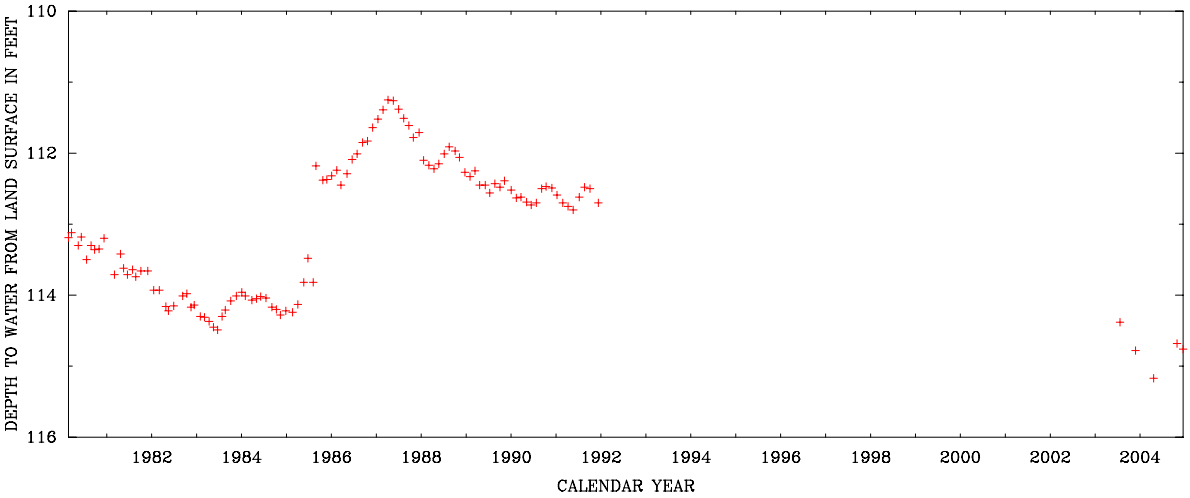
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 445011086031401
PERIOD OF ADAPS RECORD, WATER YEARS 1980-1992, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 625 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 60 FT, PRIMARY AQUIFER DESIGNATION:SAND
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

28N 14W 08DDCA01 LEELANAU CO (EMPIRE DEEP,#6)



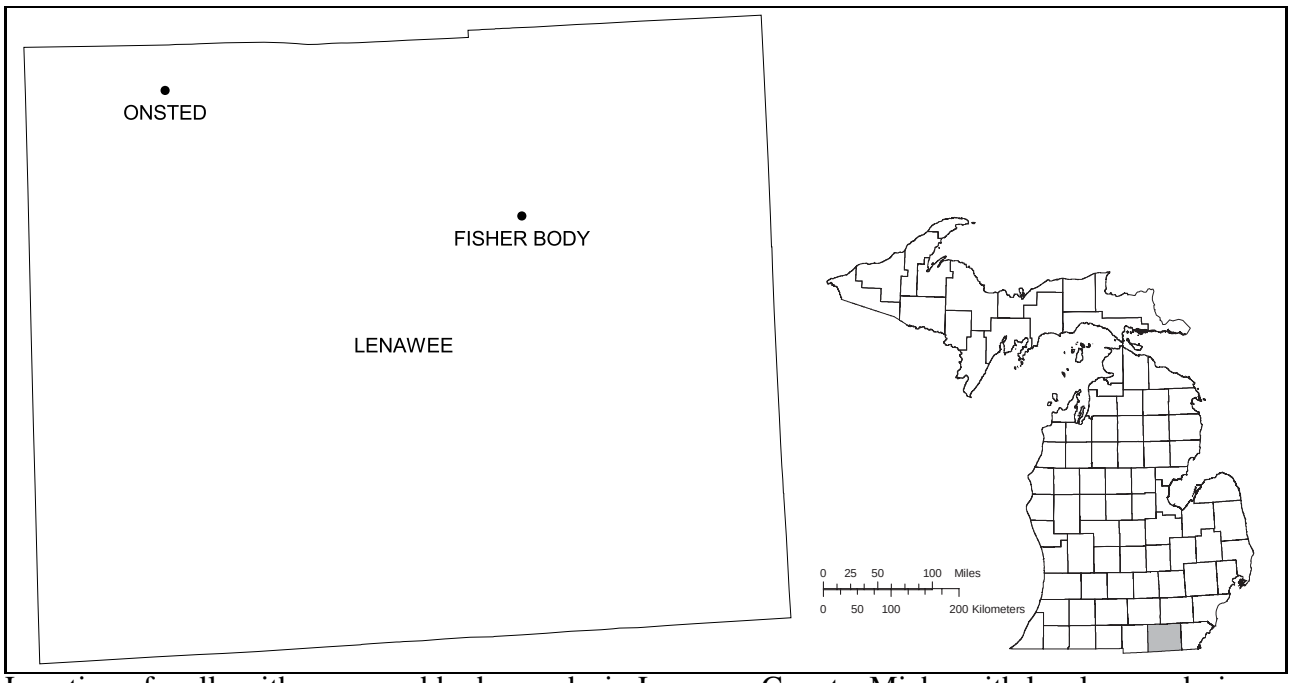
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 445020086012201
PERIOD OF RECORD, WATER YEARS 1980-2005, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 750 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 138 FT, PRIMARY AQUIFER DESIGNATION:SAND
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

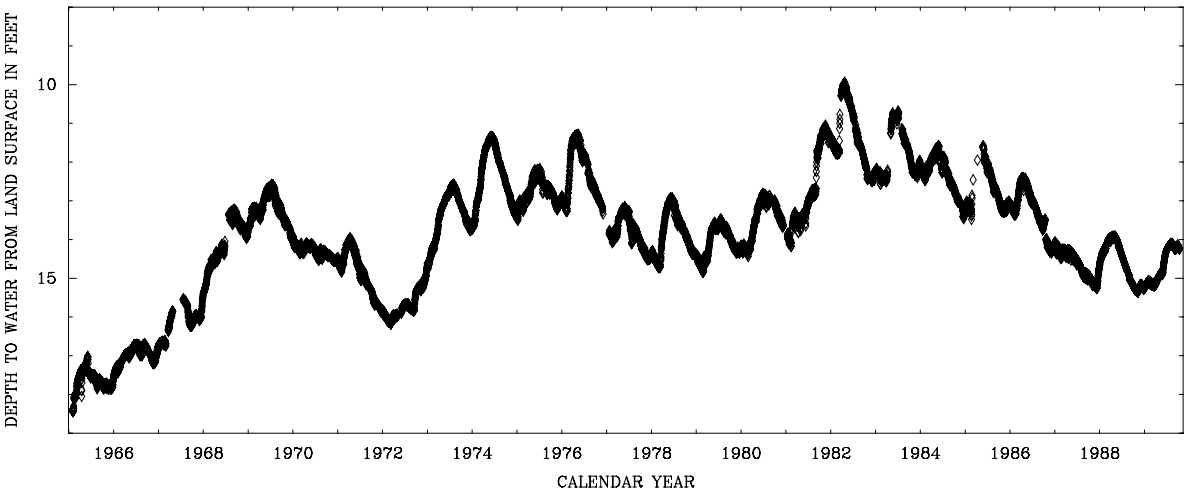
Lenawee County

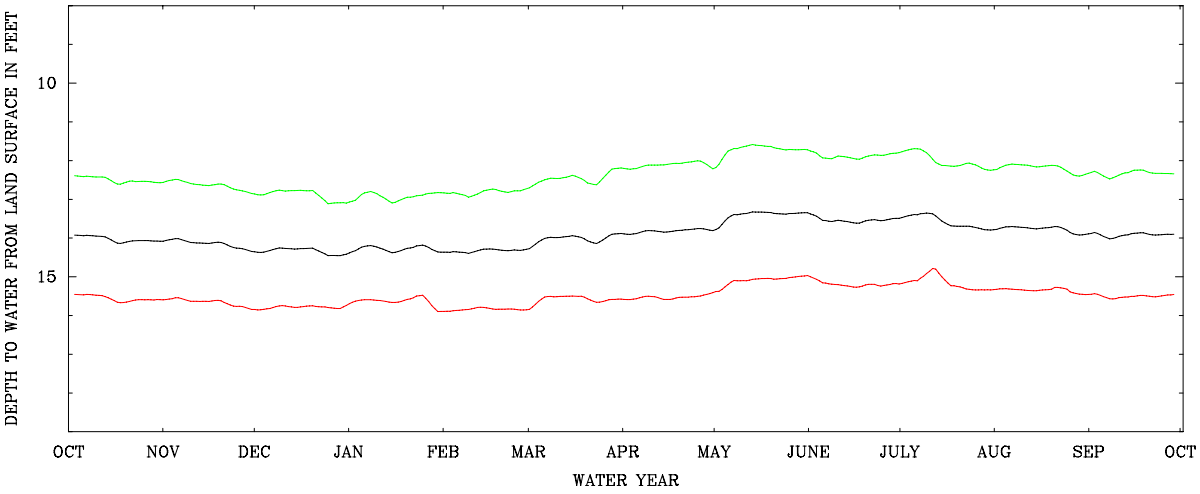


Location of wells with recovered hydrographs in Lenawee County, Mich., with local name designation.

USGS STATION No.	USGS STATION NAME
415759083580901	06S 04E 08DDBA01 LENAWEE CO (FISHER BODY)
420246084150601	05S 01E 12DDBD01 LENAWEE CO (ONSTED)

06S 04E 08DDBA01 LENAWEE CO (FISHER BODY)





EXPLANATION

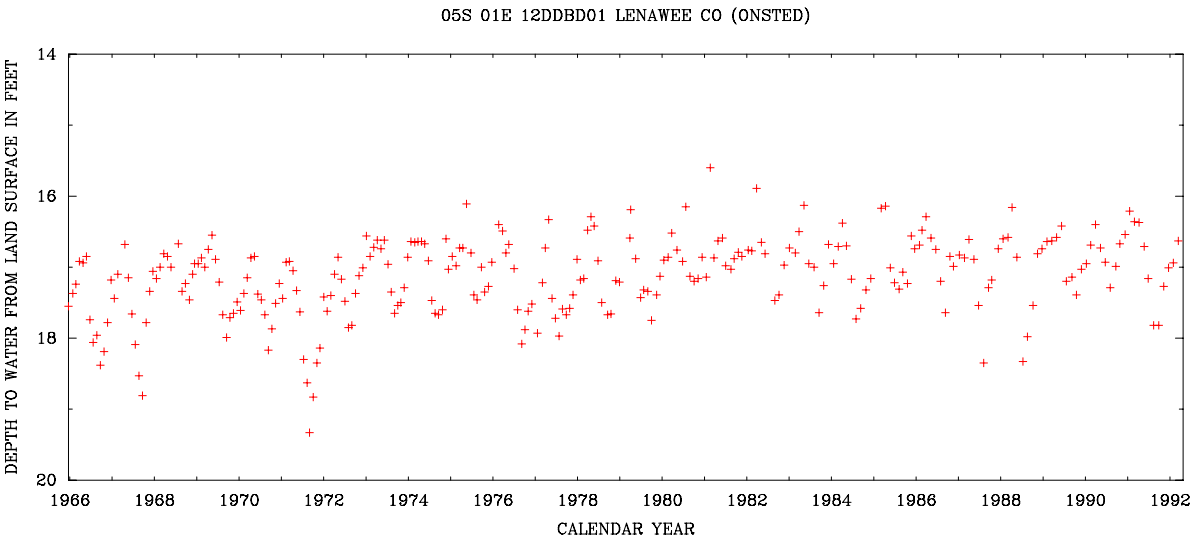
◊ DAILY MAXIMUM DEPTH TO WATER

AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 415759083580901
PERIOD OF ADAPS RECORD, WATER YEARS 1965-1990, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 800 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 80.0 FT, PRIMARY AQUIFER DESIGNATION:OUTWASH
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903



EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 420246084150601
PERIOD OF RECORD, WATER YEARS 1966-1992, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 1000 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 39 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

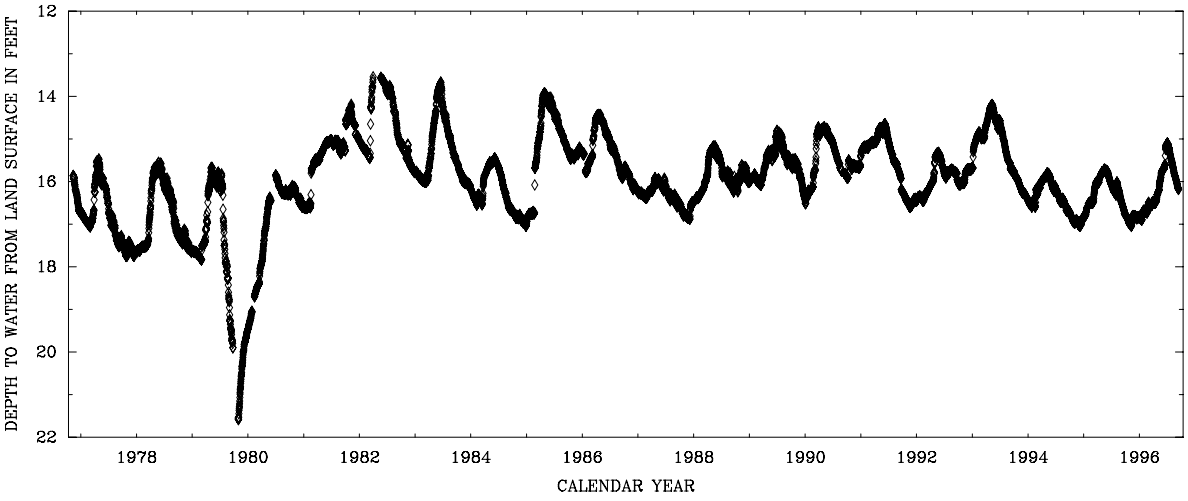
Livingston County

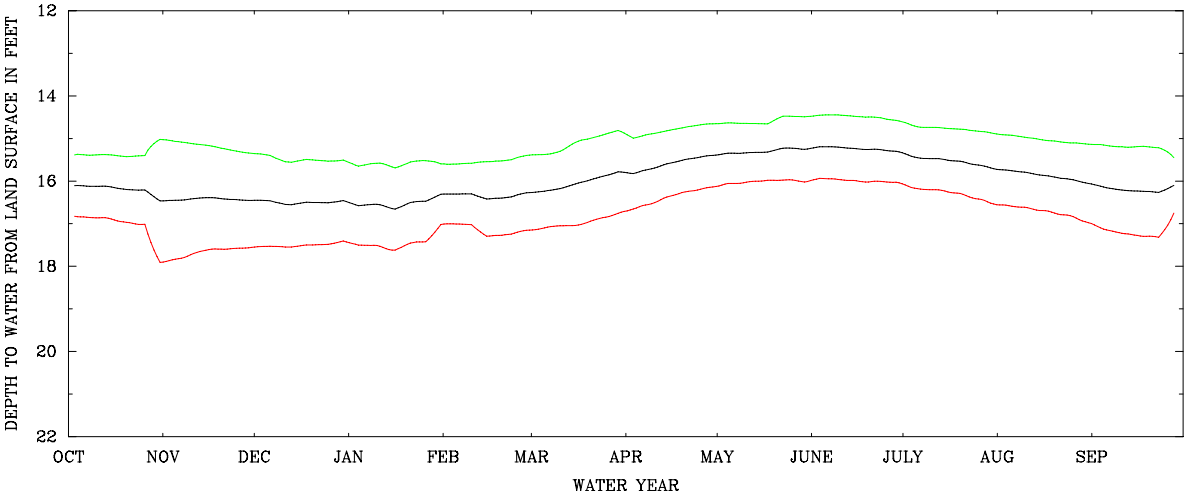


Location of wells with recovered hydrographs in Livingston County, Mich., with local name designation.

USGS STATION No.	USGS STATION NAME
422853083402801	01N 06E 13DBAB 01 LIVINGSTON CO (AMR AGG)
423137083465702	02N 06E 31BADB 02 LIVINGSTON CO (BRIGHTON)

01N 06E 13DBAB 01 LIVINGSTON CO (AMR AGG)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER

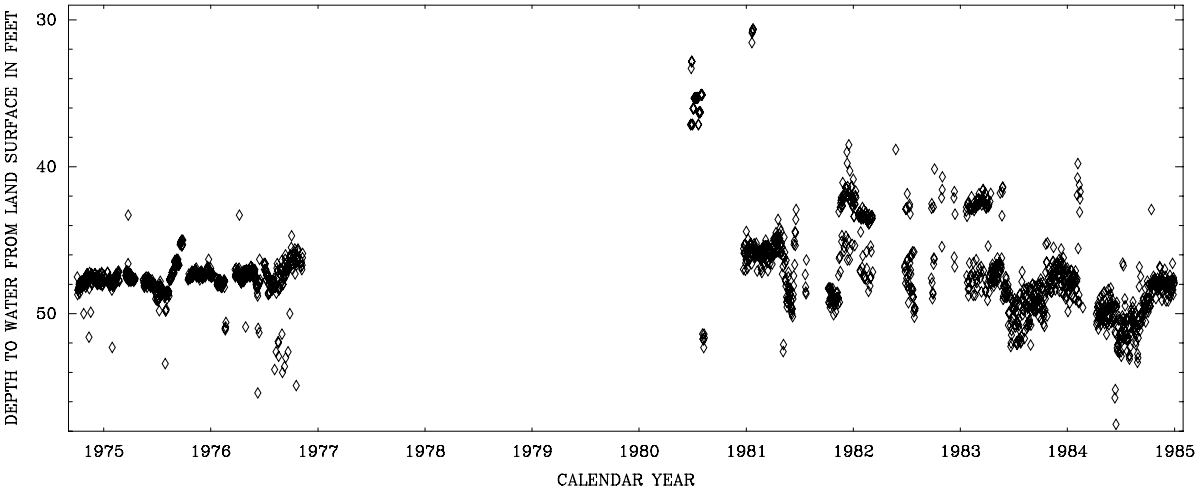
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

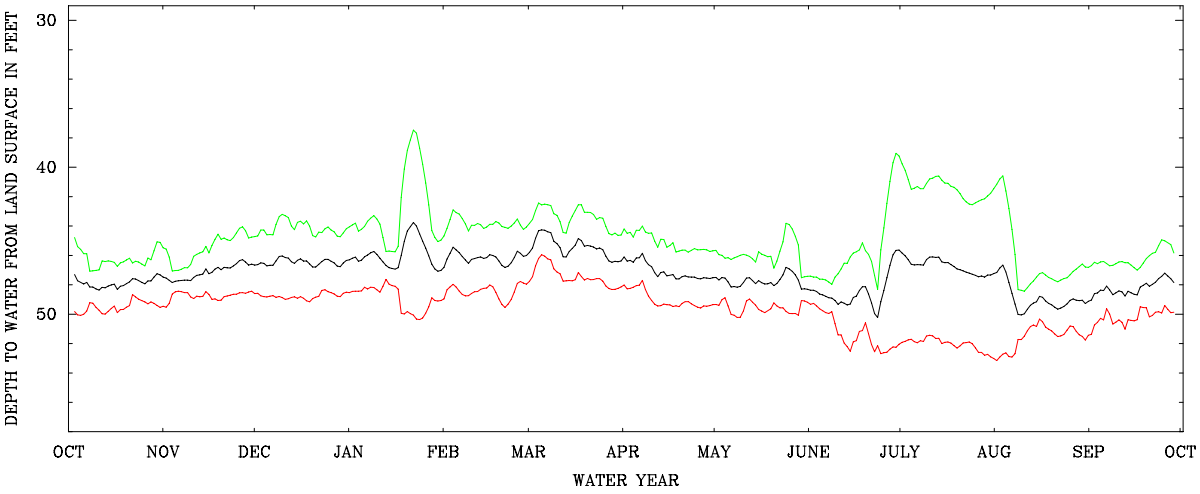
5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 422853083402801
PERIOD OF ADAPS RECORD, WATER YEARS 1977-1996, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 930 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 29 FT, PRIMARY AQUIFER DESIGNATION:OUTWASH
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

02N 06E 31BADB 02 LIVINGSTON CO (BRIGHTON)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER

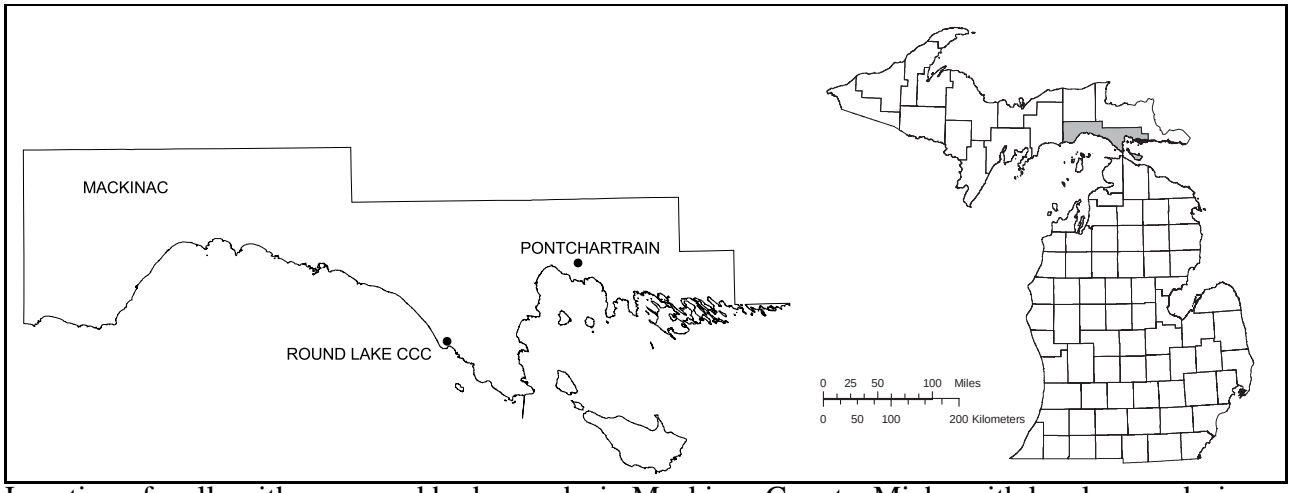
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 423137083465702
PERIOD OF ADAPS RECORD, WATER YEARS 1975-1985, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 935 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 83.0 FT, PRIMARY AQUIFER DESIGNATION:SAND AND GRAVEL
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

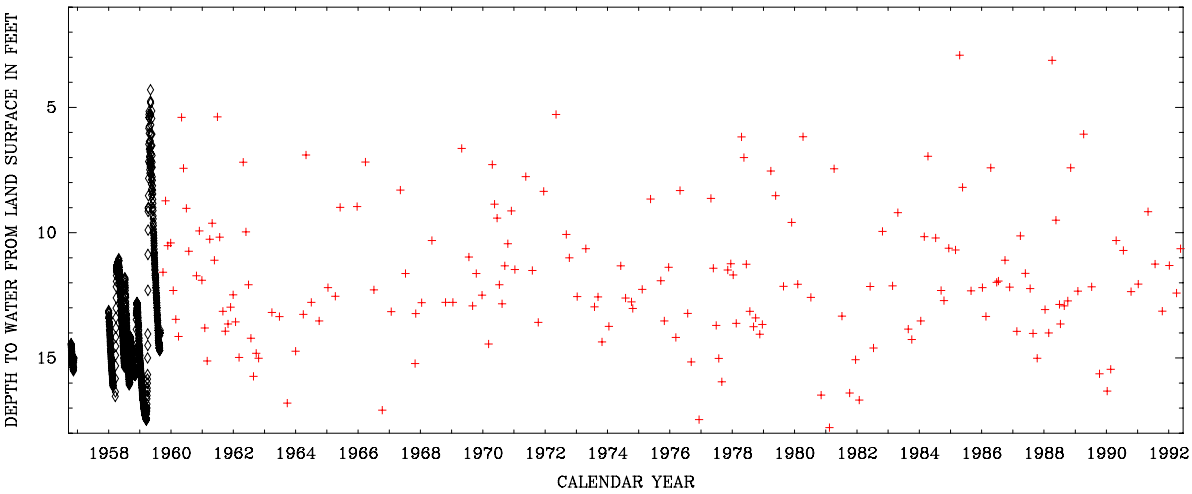
Mackinac County



Location of wells with recovered hydrographs in Mackinac County, Mich., with local name designation.

USGS STATION No.	USGS STATION NAME
455603084535501	41N 05W 23BC 01 MACKINAC CO (ROUND LAKE CCC)
460321084354801	42N 02W 07AABB01 MACKINAC CO (PONTCHARTRAIN WELL)

41N 05W 23BC 01 MACKINAC CO (ROUND LAKE CCC)



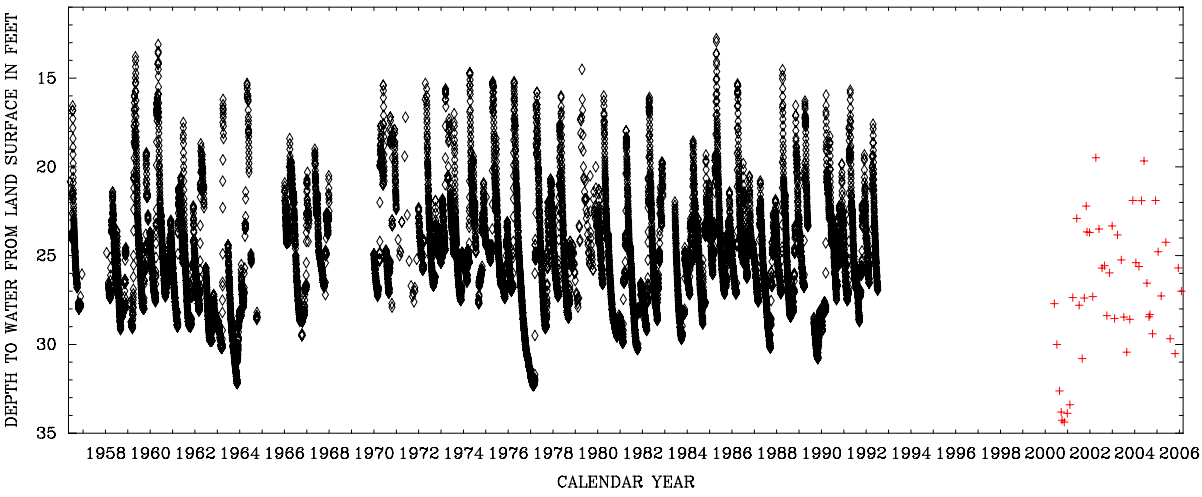
EXPLANATION

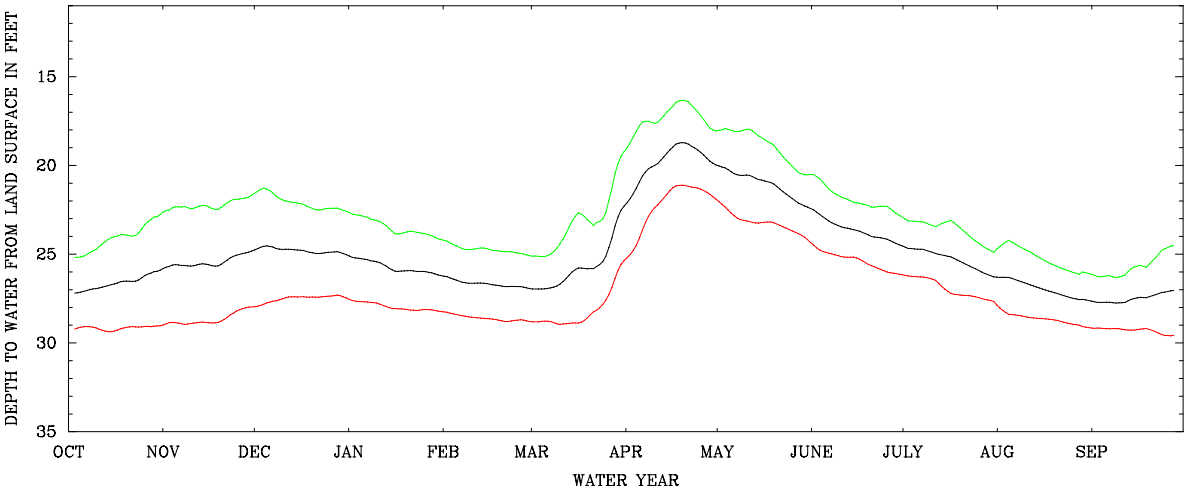
◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS

PERIOD OF ADAPS RECORD TOO SHORT TO GENERATE
MEANINGFUL WATER-YEAR SUMMARY

USGS STATION 455603084535501
PERIOD OF ADAPS RECORD, WATER YEARS 1957-1959, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 610 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 47.0 FT, PRIMARY AQUIFER DESIGNATION:SALINA FORMATION
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

42N 02W 07AABB01 MACKINAC CO (PONTCHARTRAIN WELL)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER

\+ GWSI TAPE-DOWN MEASUREMENTS

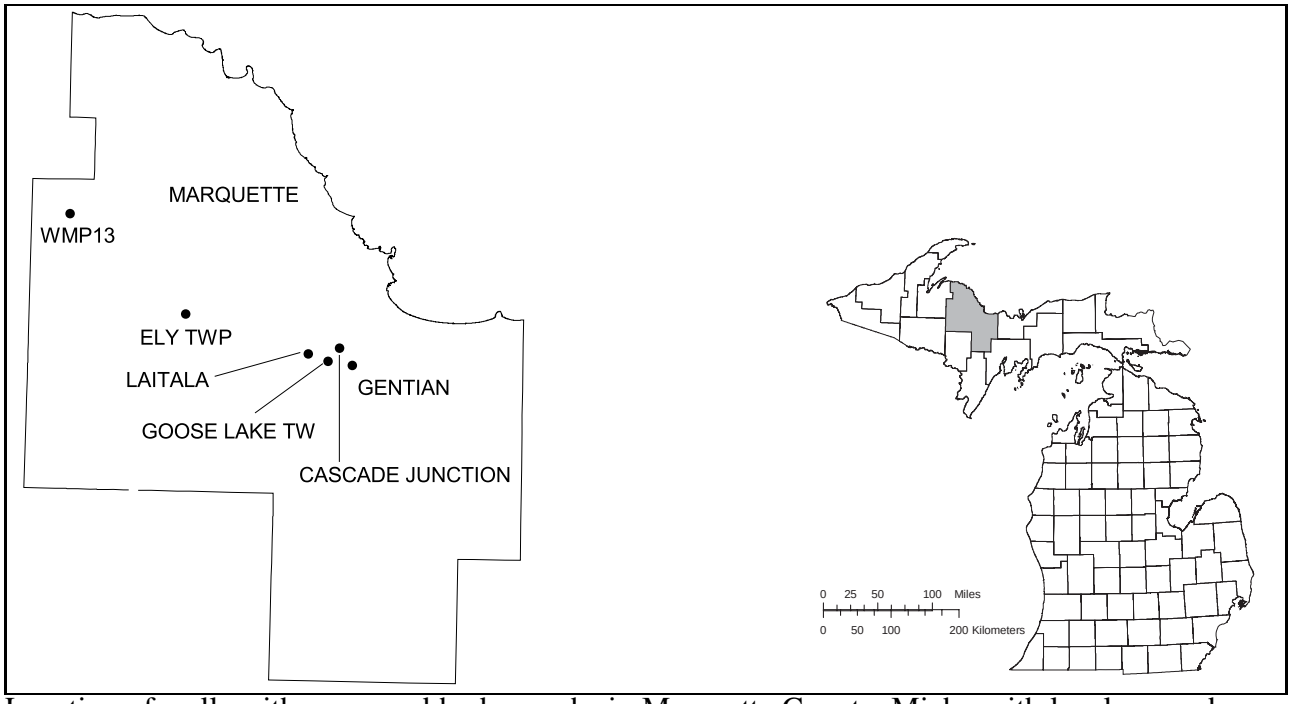
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 460321084354801
PERIOD OF ADAPS RECORD, WATER YEARS 1956-1992, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 680 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 102 FT, PRIMARY AQUIFER DESIGNATION:MANISTIQUE DOLOMITE
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

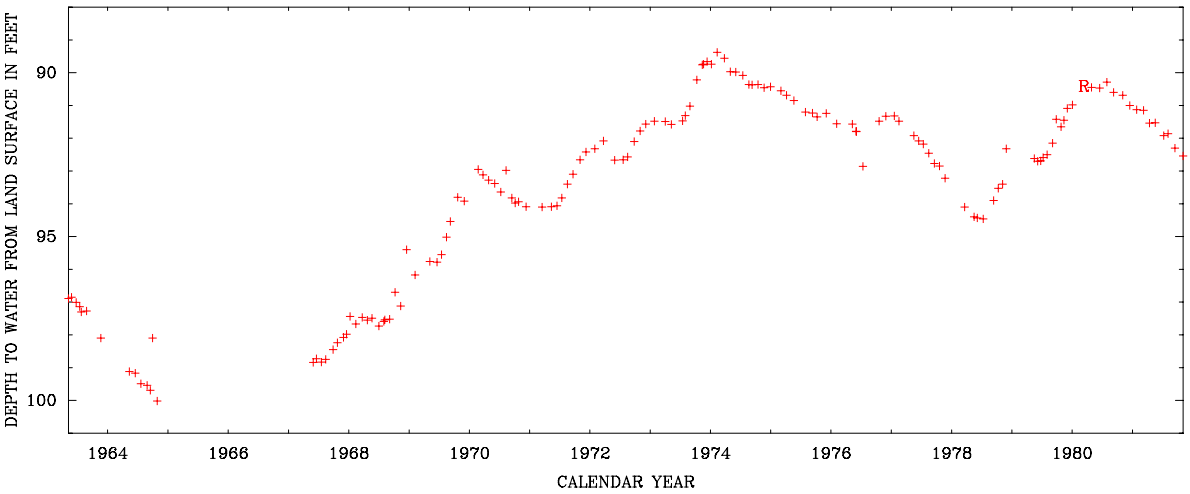
Marquette County



Location of wells with recovered hydrographs in Marquette County, Mich., with local name designation.

USGS STATION No.	USGS STATION NAME
462537087274201	47N 25W 32CABB 01 MARQUETTE CO (GENTIAN)
462556087303701	47N 26W 36BBDB01 MARQUETTE CO (GOOSE LAKE TW)
462631087330301	47N 26W 27BCCC 01 MARQUETTE CO (LAITALA)
462702087291501	47N 25W 19CC 01 MARQUETTE CO (CASCADE JUNCTION)
462938087475901	47N 28W 03CCDC01 MARQUETTE CO (ELY TWP WELL)
463749088022001	49N 30W 22AC 01 MARQUETTE CO (WMP13)

47N 25W 32CABB 01 MARQUETTE CO (GENTIAN)



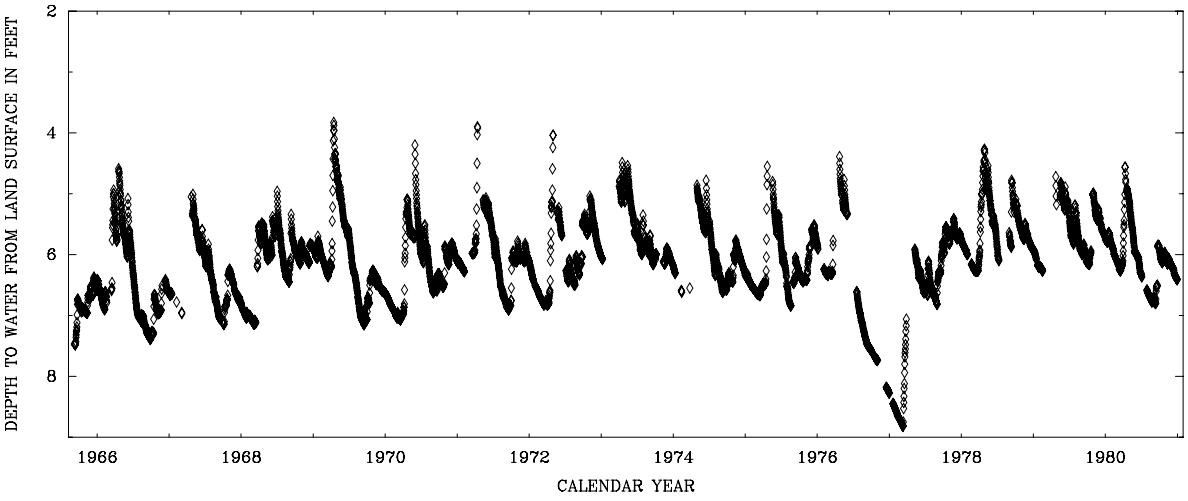
EXPLANATION

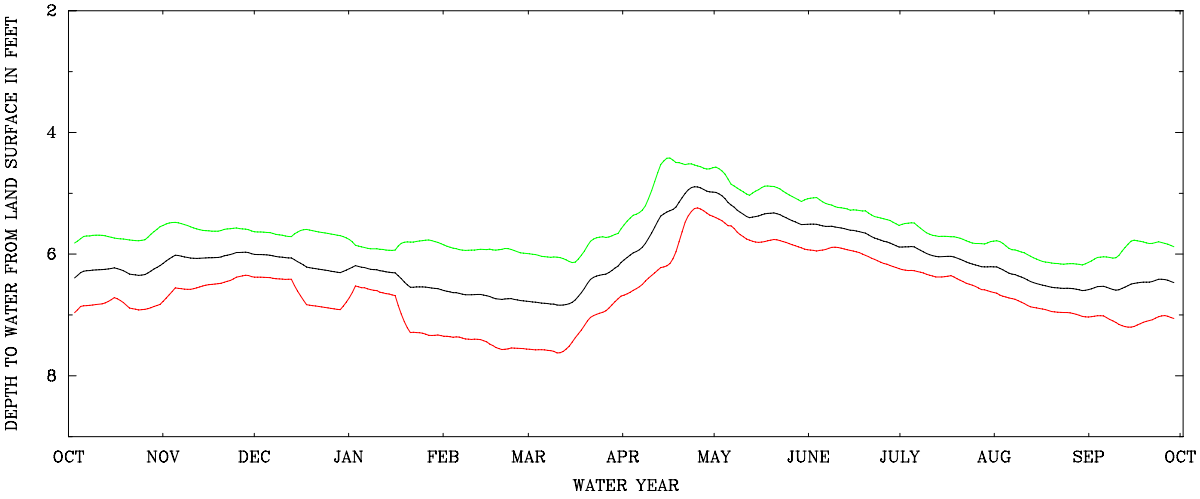
+	GWSI TAPE-DOWN MEASUREMENTS
R	THE SITE HAD BEEN PUMPED RECENTLY.

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 462537087274201
PERIOD OF RECORD, WATER YEARS 1963-1982, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 1239.59 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 125 FT, PRIMARY AQUIFER DESIGNATION:GLACIAL DEPOSITS,UNDIFFERENTIATED
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

47N 26W 36BBDB01 MARQUETTE CO (GOOSE LAKE TW)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER

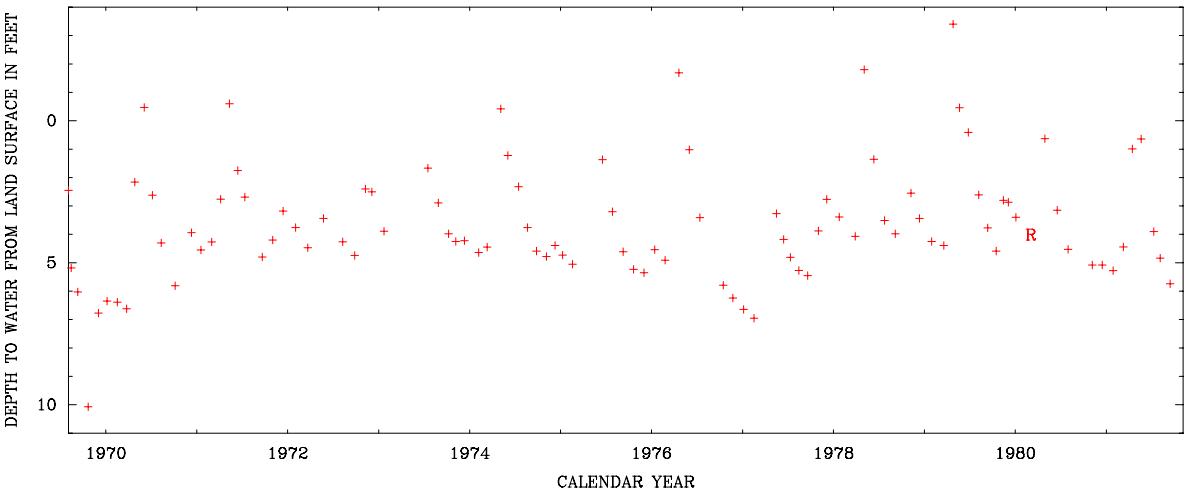
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 462556087303701
PERIOD OF ADAPS RECORD, WATER YEARS 1965-1981, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 1210 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 56 FT, PRIMARY AQUIFER DESIGNATION:SAND AND GRAVEL
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

47N 26W 27BCCC 01 MARQUETTE CO (LAITALA)



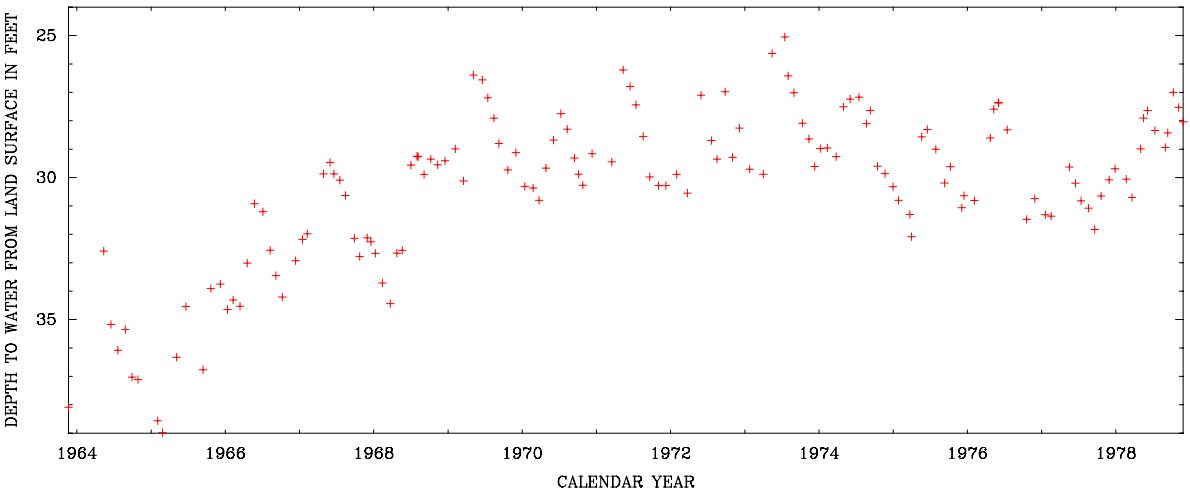
EXPLANATION

+	GWSI TAPE-DOWN MEASUREMENTS
R	THE SITE HAD BEEN PUMPED RECENTLY.

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 462631087330301
PERIOD OF RECORD, WATER YEARS 1969-1982, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 1380 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 31.0 FT, PRIMARY AQUIFER DESIGNATION:GLACIAL DEPOSITS,UNDIFFERENTIATED
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

47N 25W 19CC 01 MARQUETTE CO (CASCADE JUNCTION)



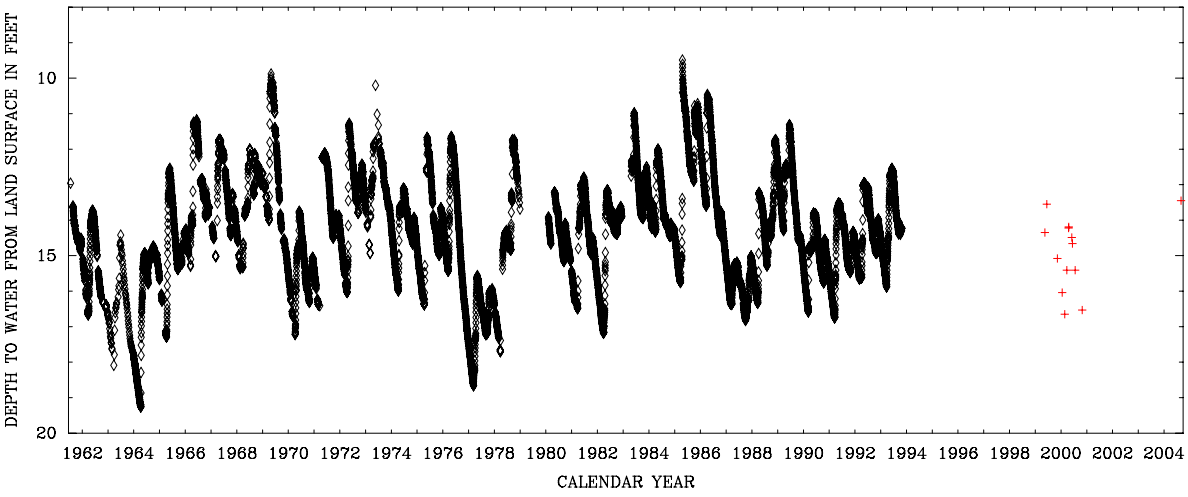
EXPLANATION

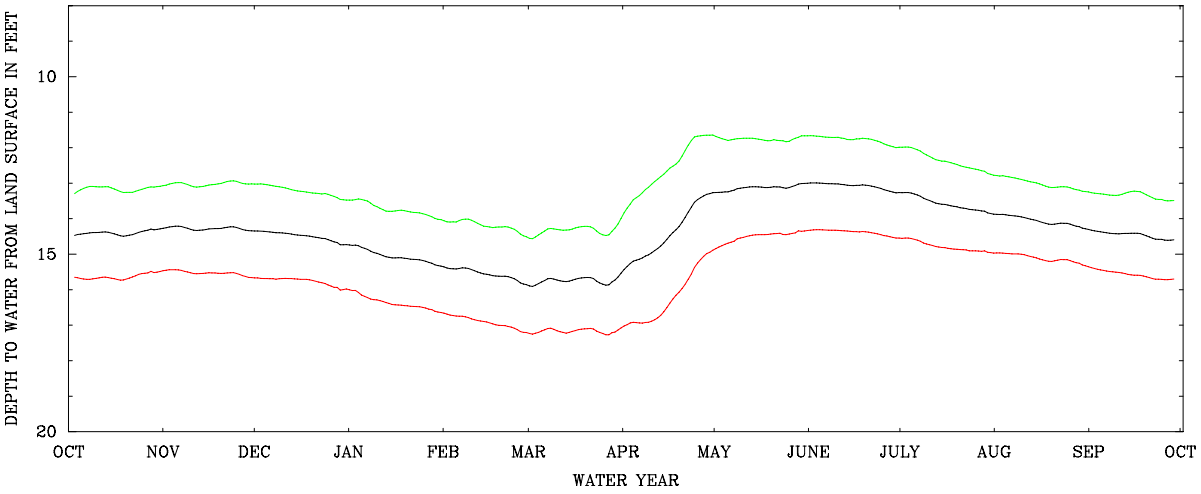
+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 462702087291501
PERIOD OF RECORD, WATER YEARS 1964-1979, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 1222.11 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 86 FT, PRIMARY AQUIFER DESIGNATION:GLACIAL DEPOSITS,UNDIFFERENTIATED
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

47N 28W 03CCDC01 MARQUETTE CO (ELY TWP WELL)





EXPLANATION

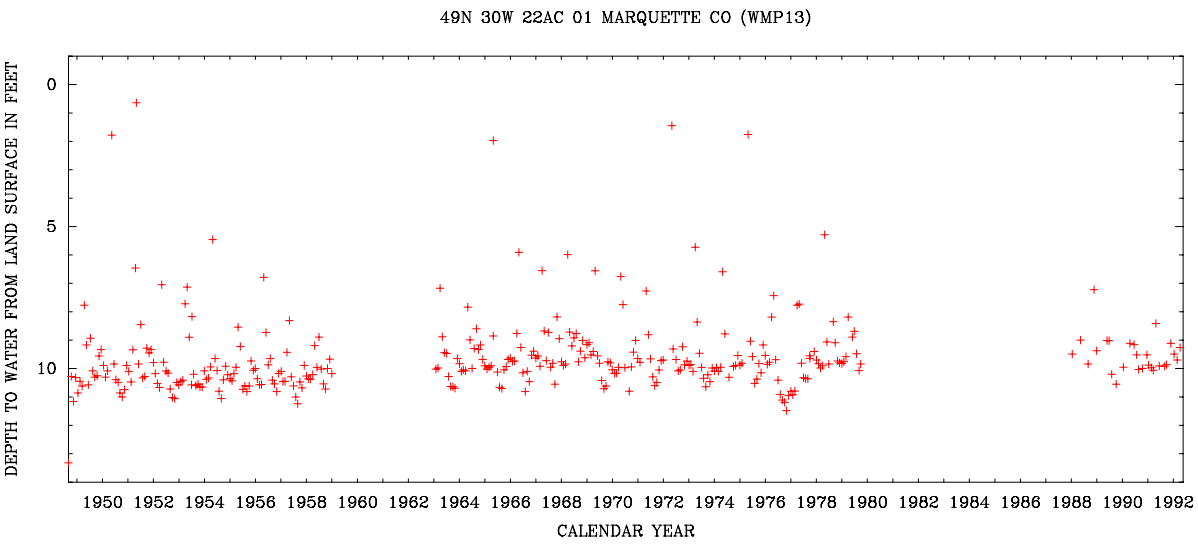
◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS

AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 462938087475901
PERIOD OF ADAPS RECORD, WATER YEARS 1961-1994, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 1572 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 75 FT, PRIMARY AQUIFER DESIGNATION:OUTWASH
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903



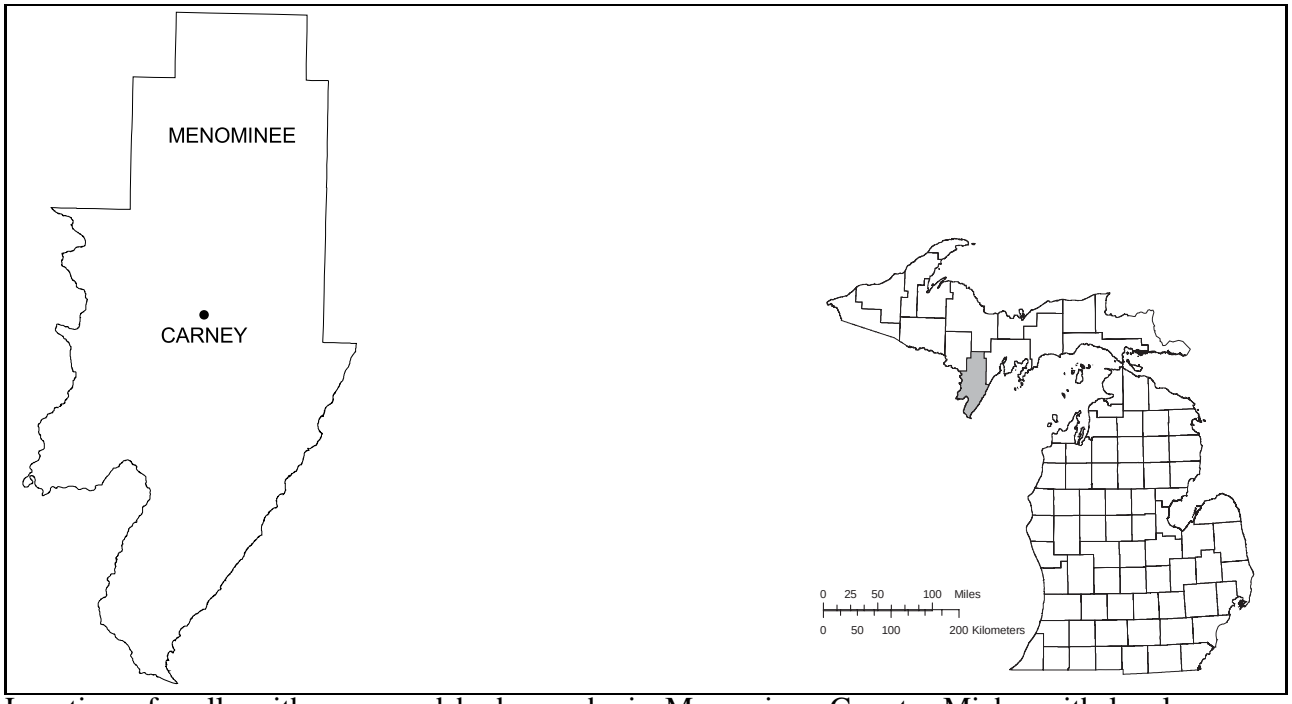
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 463749088022001
PERIOD OF RECORD, WATER YEARS 1948-1992, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 1680 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 17.0 FT, PRIMARY AQUIFER DESIGNATION:GLACIAL DEPOSITS,UNDIFFERENTIATED
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

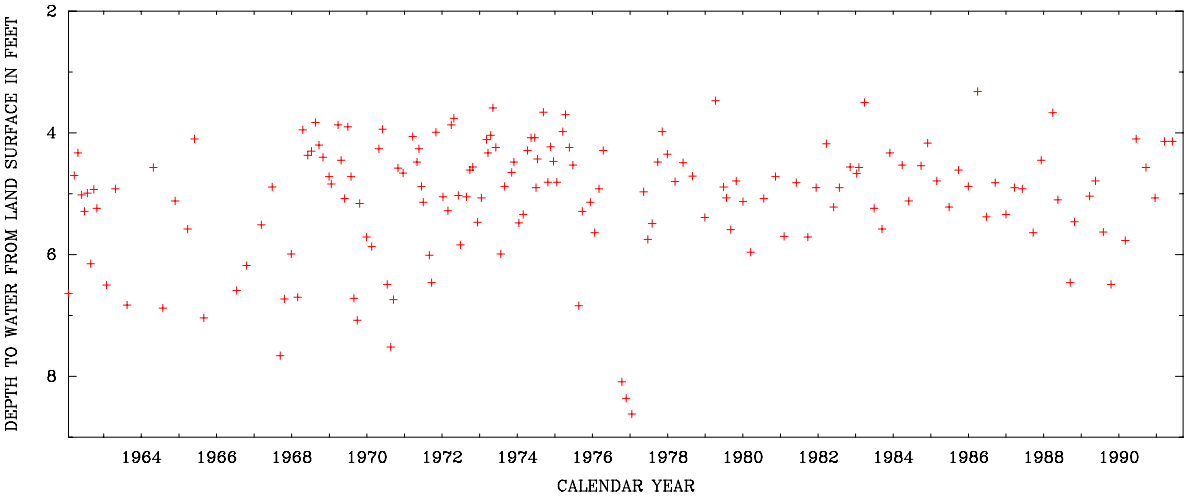
Menominee County



Location of wells with recovered hydrographs in Menominee County, Mich., with local name designation.

USGS STATION No.	USGS STATION NAME
453504087331301	37N 26W 19DADA01 MENOMINEE CO (CARNEY)

37N 26W 19DADA01 MENOMINEE CO (CARNEY)



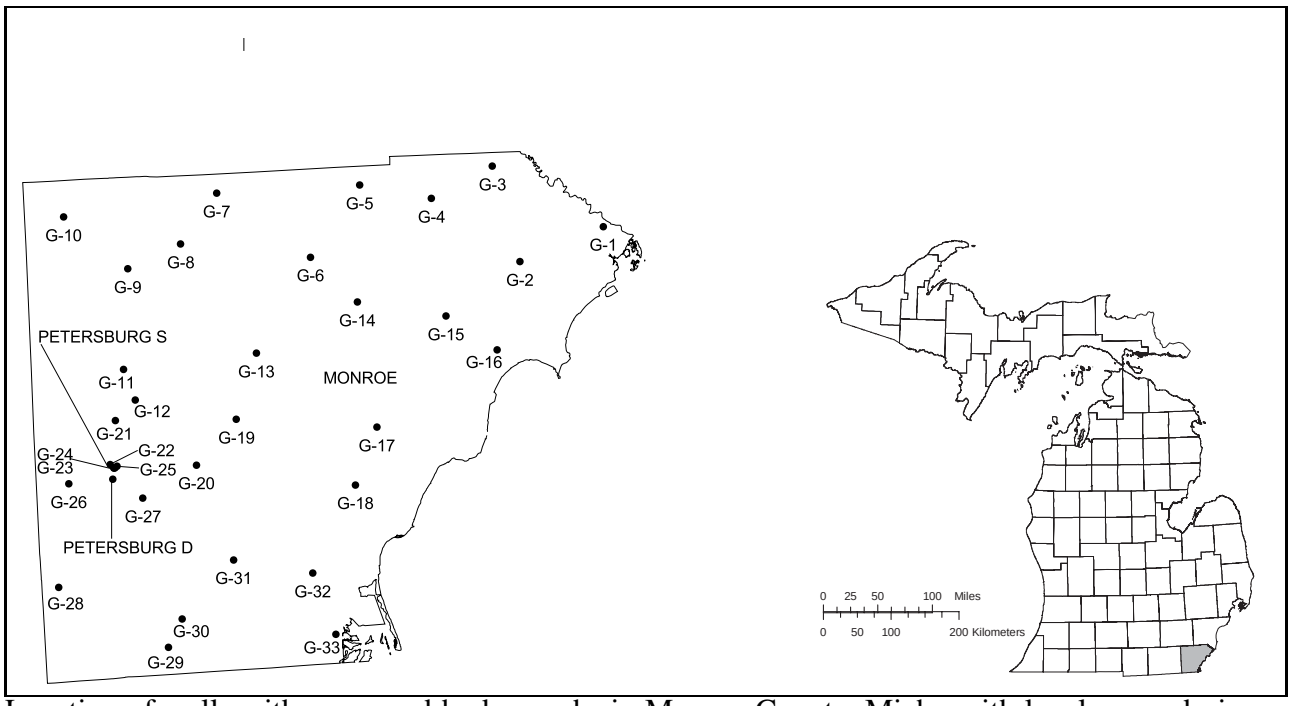
EXPLANATION

\+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

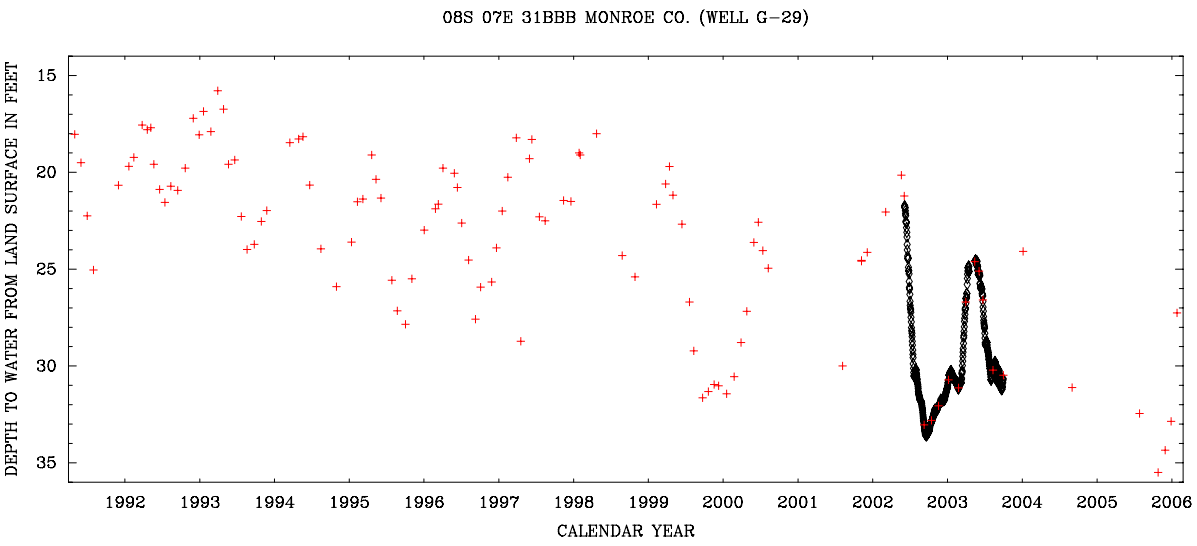
USGS STATION 453504087331301
PERIOD OF RECORD, WATER YEARS 1962-1991, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 800 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 17.1 FT, PRIMARY AQUIFER DESIGNATION:TRENTON-BLACK RIVER GROUP
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

Monroe County



Location of wells with recovered hydrographs in Monroe County, Mich., with local name designation.

USGS STATION No.	USGS STATION NAME
414452083385201	08S 07E 31BBB MONROE CO. (WELL G-29)
414509083291001	08S 08E 28CCAD01 MONROE CO (WELL G-33)
414601083375801	08S 07E 19 DCA01 MONROE CO (WELL G-30)
414731083450101	08S 06E 07 DDB01 MONROE CO (WELL G-28)
414748083305501	08S 08E 08CCAD01 MONROE CO (WELL G-32)
414829083345601	08S 07E 03 CDC01 MONROE CO (WELL G-31)
415115083400201	07S 06E 24 CCA01 MONROE CO (WELL G-27)
415133083274801	07S 08E 22DBCB01 MONROE CO (WELL G-18)
415156083441501	07S 06E 17 DCC01 MONROE CO (WELL G-26)
415206083414401	07S 06E 15ACAA01 MONROE CO (PETERSBURG D)
415234083413801	07S 06E 15 ADB01 MONROE CO (WELL G-23)
415235083414001	07S 06E 15ADBB01 MONROE CO (PETERSBURG S)
415236083365401	07S 07E 17AACC01 MONROE CO (WELL G-20)
415236083413501	07S 06E 15 AAC01 MONROE CO (WELL G-24)
415239083412901	07S 06E 15 AAD01 MONROE CO (WELL G-25)
415244083415201	07S 06E 15 ABB01 MONROE CO (WELL G-22)
415400083262801	07S 08E 02DCDA01 MONROE CO (WELL G-17)
415431083343201	07S 07E 03 AAD01 MONROE CO (WELL G-19)
415437083413001	06S 06E 34 DDD01 MONROE CO (WELL G-21)
415527083402001	06S 06E 35AAAA01 MONROE CO (WELL G-12)
415648083405601	06S 06E 23BDDD01 MONROE CO (WELL G-11)
415710083192501	06S 09E 23DDBB01 MONROE CO (WELL G-16)
415721083331601	06S 07E 13 CCC01 MONROE CO (WELL G-13)
415839083221501	06S 09E 16BAAB01 MONROE CO (WELL G-15)
415923083272101	06S 08E 02 CBD01 MONROE CO (WELL G-14)
420055083175601	05S 10E 31BCDC01 MONROE CO (WELL G-2)
420107083403201	05S 06E 26 DAA01 MONROE CO (WELL G-9)
420123083300001	05S 08E 29 ADA01 MONROE CO (WELL G-6)
420218083130401	05S 10E 26BAB01 MONROE CO (WELL G-1)
420248083372601	05S 07E 20 ACC01 MONROE CO (WELL G-8)
420314083225501	05S 09E 17AADB01 MONROE CO (WELL G-4)
420325083440901	05S 06E 08 DDA01 MONROE CO (WELL G-10)
420414083351501	05S 07E 10 ABB01 MONROE CO (WELL G-7)
420425083270001	05S 08E 02 DCC01 MONROE CO (WELL G-5)
420503083192101	05S 09E 01CBCC01 MONROE CO (WELL G-3)

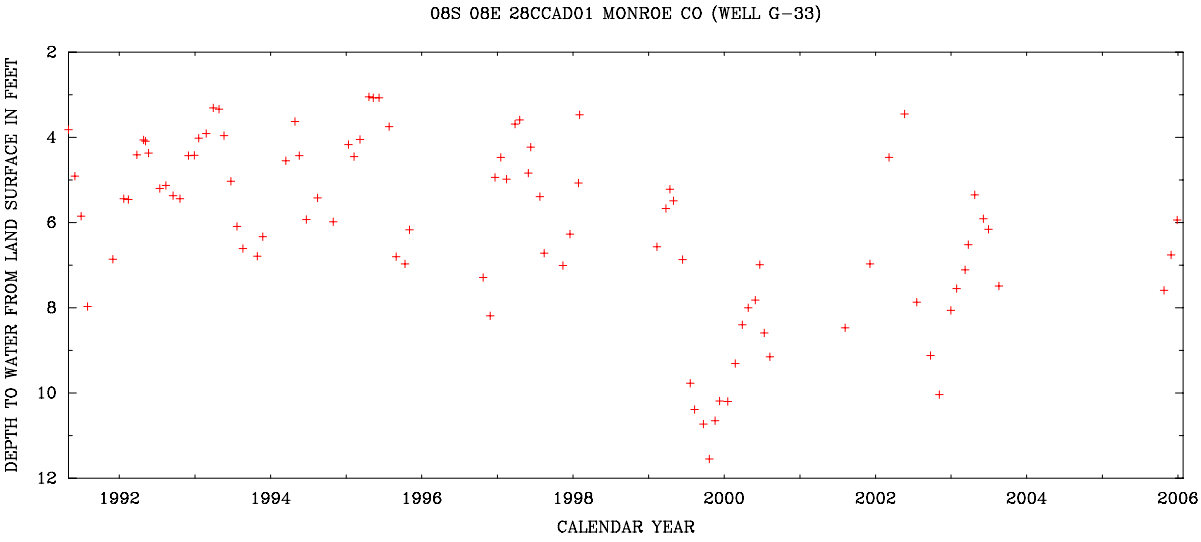


EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS

PERIOD OF ADAPS RECORD TOO SHORT TO GENERATE
MEANINGFUL WATER-YEAR SUMMARY

USGS STATION 414452083385201
PERIOD OF ADAPS RECORD, WATER YEARS 2002-2003, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 662 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 71 FT, PRIMARY AQUIFER DESIGNATION:BASS ISLANDS DOLOMITE
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

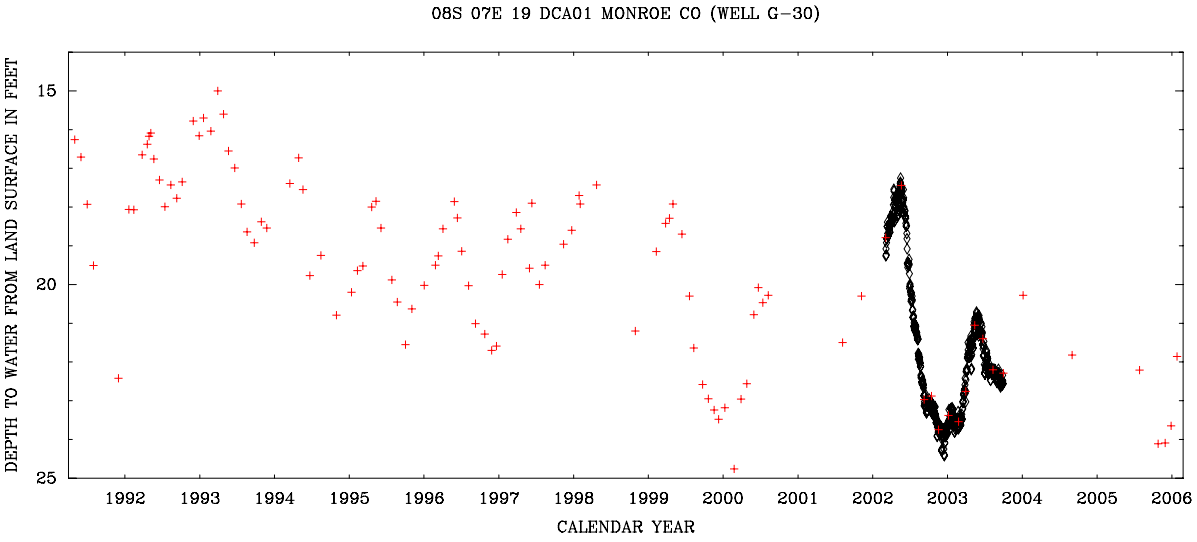


EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 414509083291001
PERIOD OF RECORD, WATER YEARS 1991-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 574 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 85 FT, PRIMARY AQUIFER DESIGNATION:SALINA GROUP
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

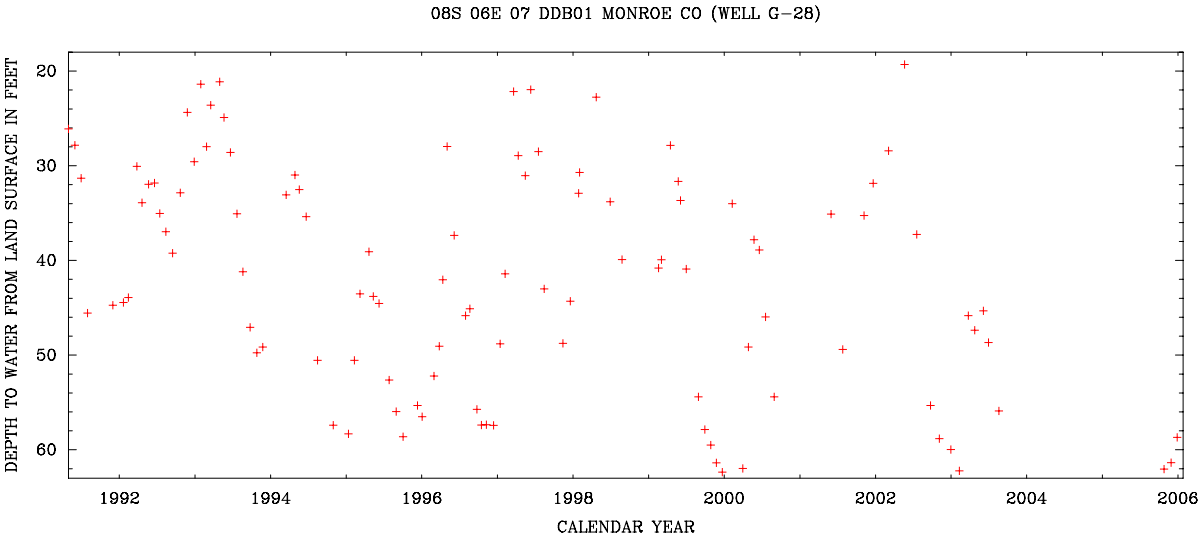


EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS

PERIOD OF ADAPS RECORD TOO SHORT TO GENERATE
MEANINGFUL WATER-YEAR SUMMARY

USGS STATION 414601083375801
PERIOD OF ADAPS RECORD, WATER YEARS 2002-2003, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 670 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 155 FT, PRIMARY AQUIFER DESIGNATION:BASS ISLANDS DOLOMITE
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

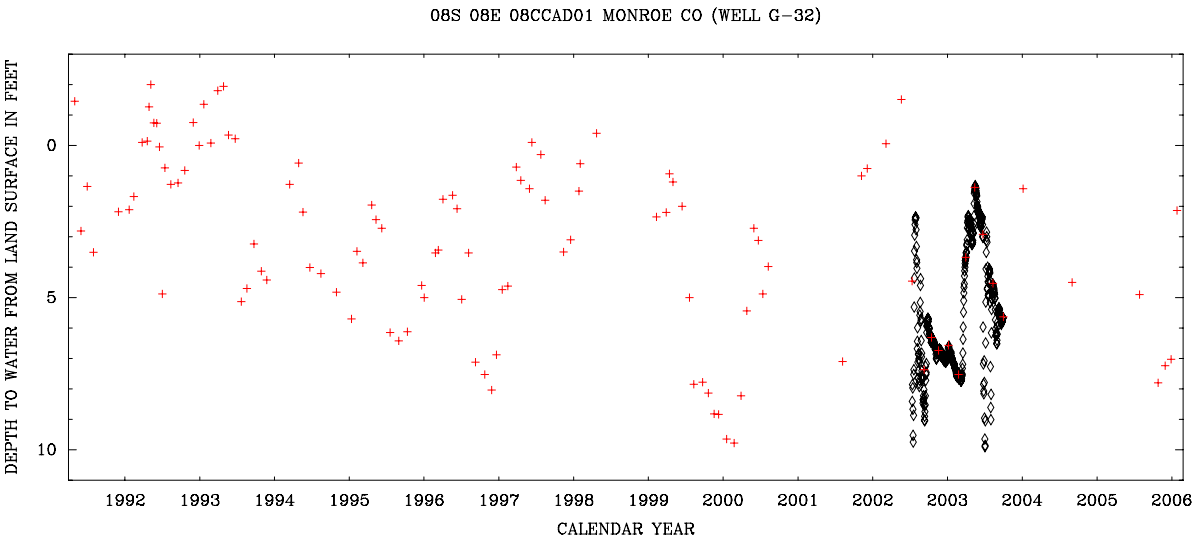


EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 414731083450101
PERIOD OF RECORD, WATER YEARS 1991-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 688 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 75 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903



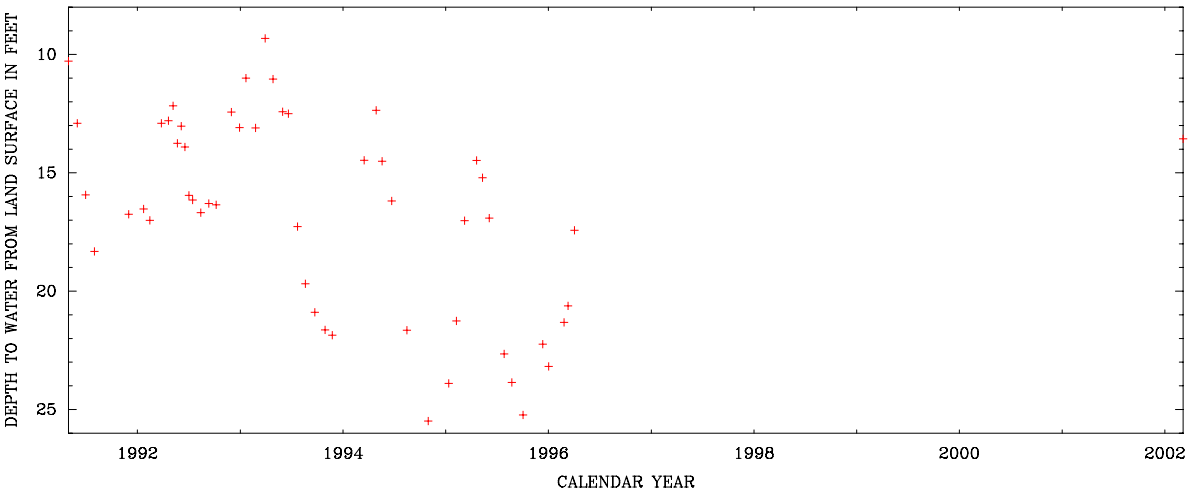
EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS

PERIOD OF ADAPS RECORD TOO SHORT TO GENERATE
MEANINGFUL WATER-YEAR SUMMARY

USGS STATION 414748083305501
PERIOD OF ADAPS RECORD, WATER YEARS 2002-2003, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 600 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 75 FT, PRIMARY AQUIFER DESIGNATION:SALINA GROUP
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

08S 07E 03 CDC01 MONROE CO (WELL G-31)



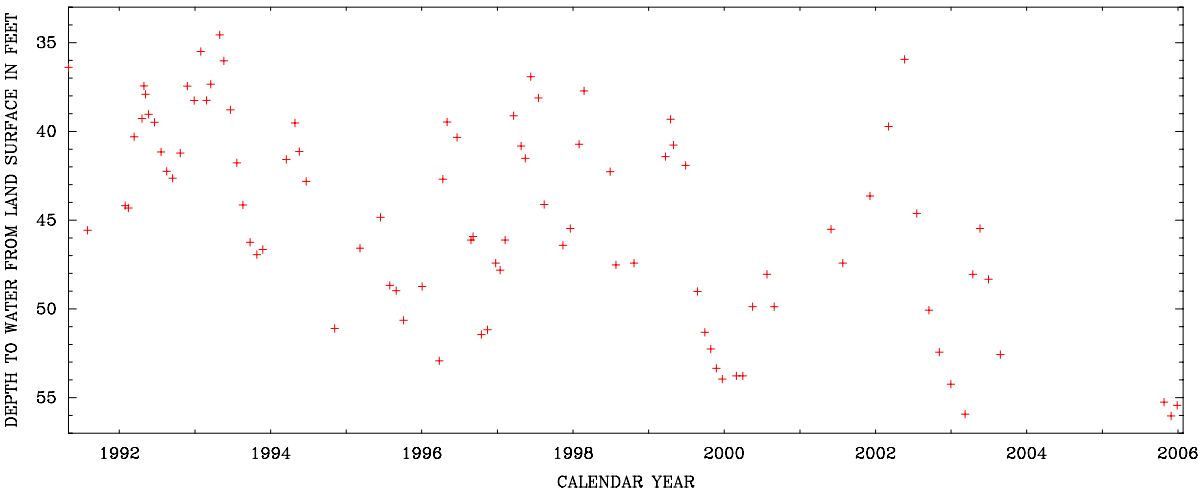
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 414829083345601
PERIOD OF RECORD, WATER YEARS 1991-2002, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 647 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 80 FT, PRIMARY AQUIFER DESIGNATION:SALINA GROUP
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

07S 06E 24 CCA01 MONROE CO (WELL G-27)

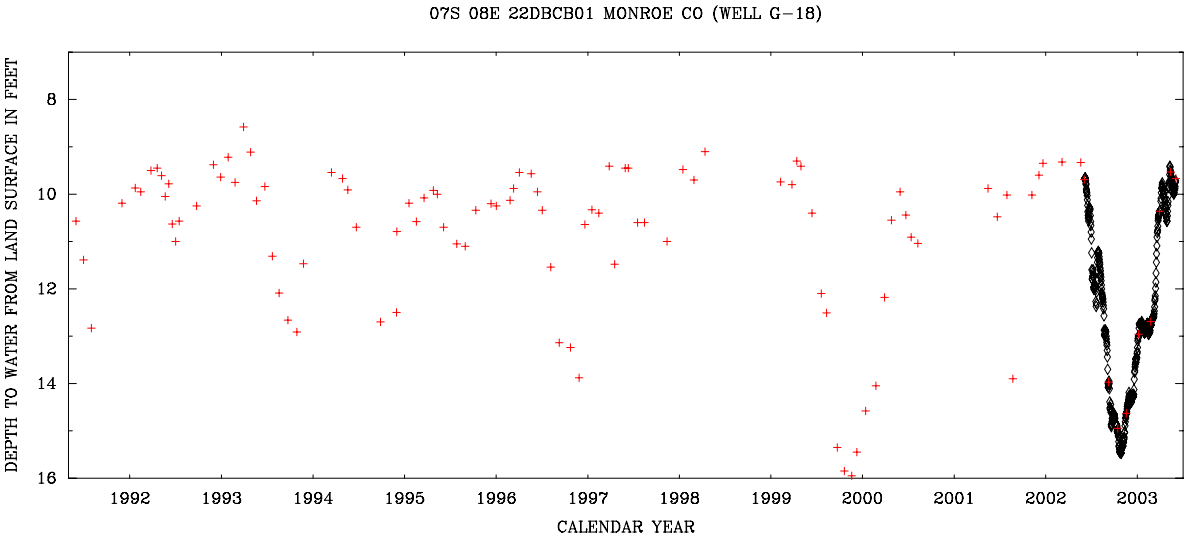


EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 415115083400201
PERIOD OF RECORD, WATER YEARS 1991-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 676 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 208 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

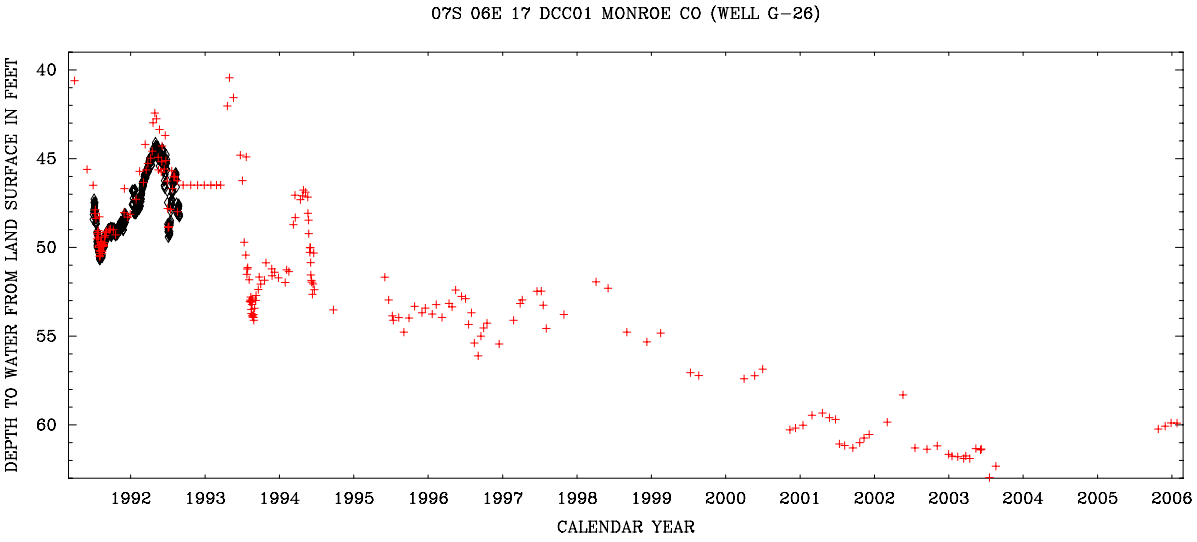


EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS

PERIOD OF ADAPS RECORD TOO SHORT TO GENERATE
MEANINGFUL WATER-YEAR SUMMARY

USGS STATION 415133083274801
PERIOD OF ADAPS RECORD, WATER YEARS 2002-2003, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 605 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 50 FT, PRIMARY AQUIFER DESIGNATION:BASS ISLANDS DOLOMITE
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903



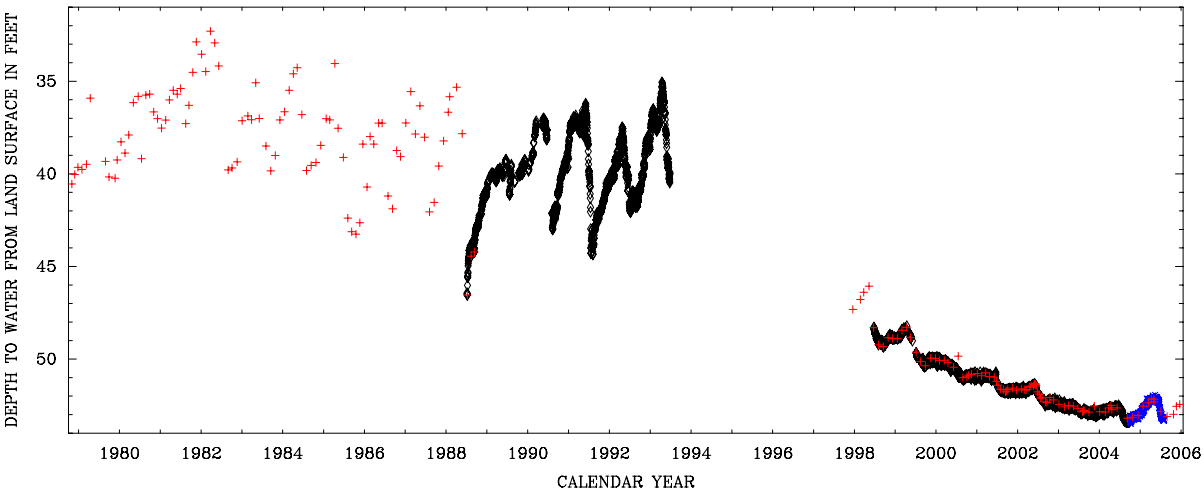
EXPLANATION

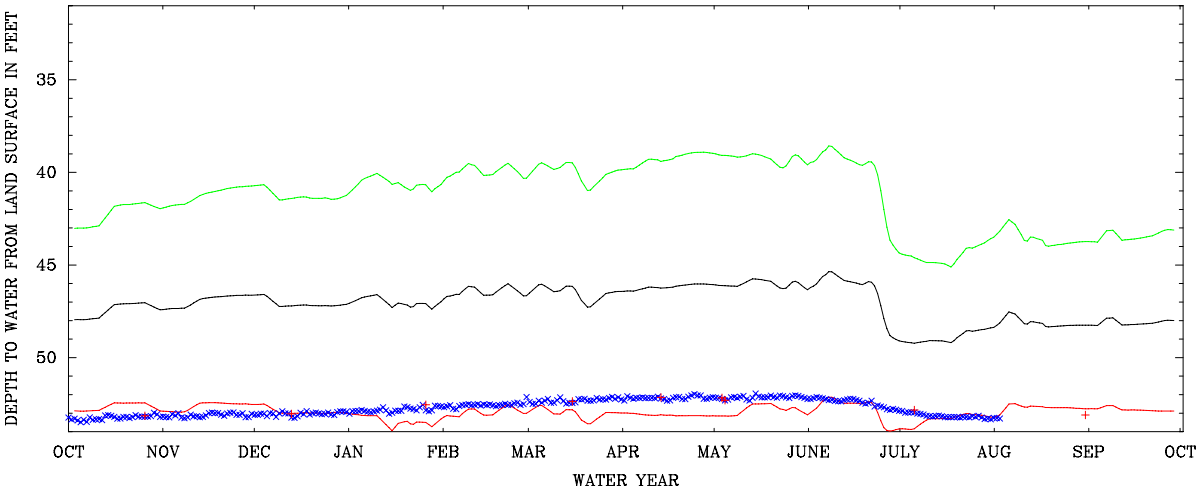
◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS

PERIOD OF ADAPS RECORD TOO SHORT TO GENERATE
MEANINGFUL WATER-YEAR SUMMARY

USGS STATION 415156083441501
PERIOD OF ADAPS RECORD, WATER YEARS 1991-1992, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 682 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 80 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

07S 06E 15ACAA01 MONROE CO (PETERSBURG D)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS
× 2005 DAILY MAXIMUM DEPTH TO WATER
PROVISIONAL DATA SUBJECT TO REVISION

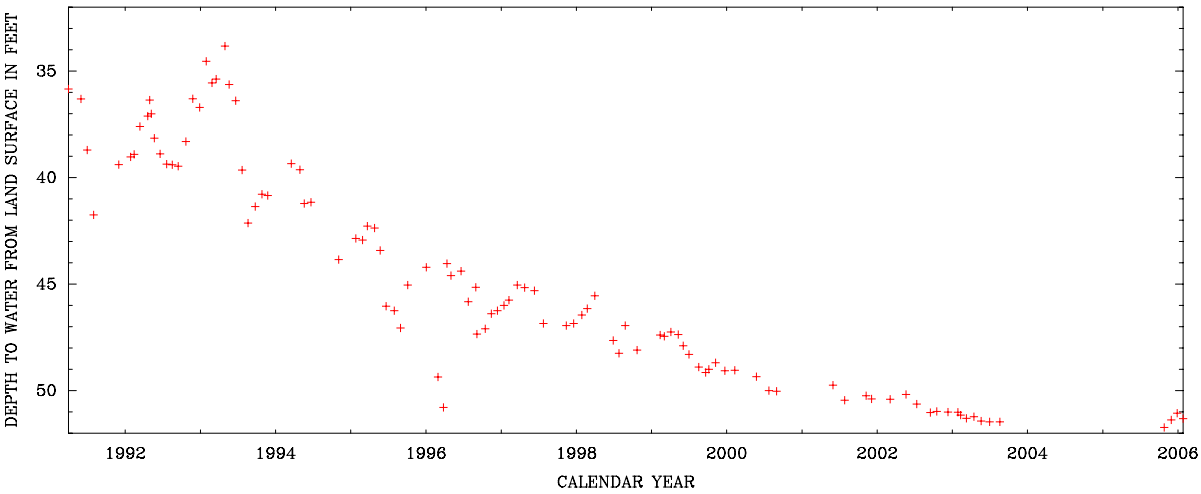
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 415206083414401
PERIOD OF ADAPS RECORD, WATER YEARS 1988-2005, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 680 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 72.0 FT, PRIMARY AQUIFER DESIGNATION:DETROIT RIVER GROUP
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

07S 06E 15 ADB01 MONROE CO (WELL G-23)

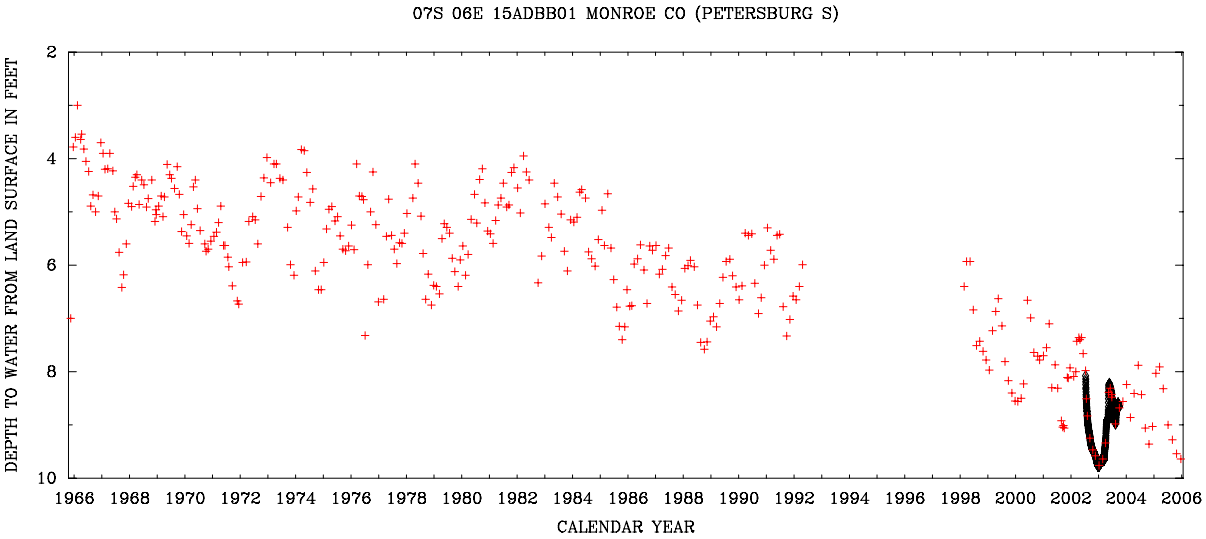


EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 415234083413801
PERIOD OF RECORD, WATER YEARS 1991-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 679 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 90 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903



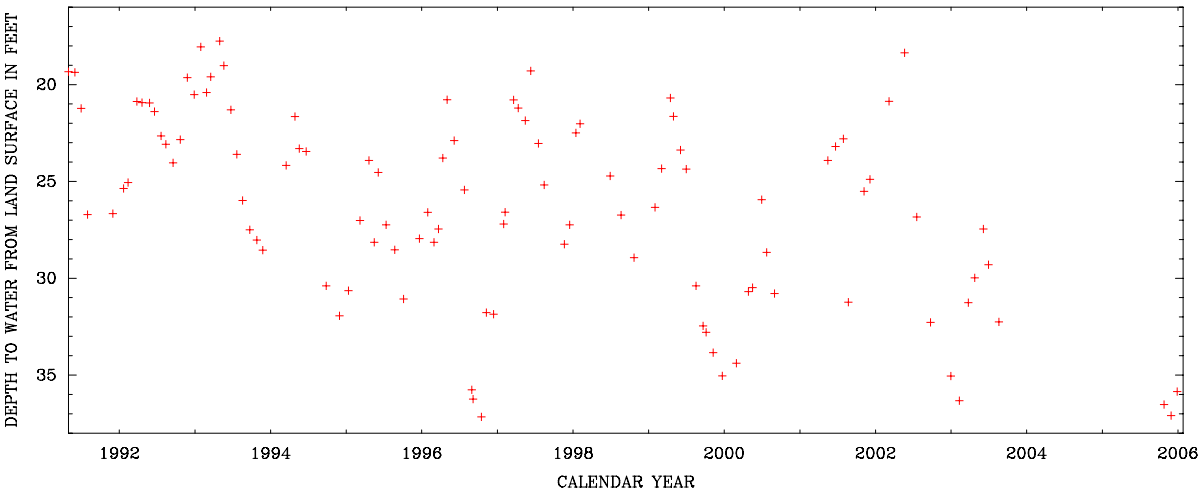
EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS

PERIOD OF ADAPS RECORD TOO SHORT TO GENERATE
MEANINGFUL WATER-YEAR SUMMARY

USGS STATION 415235083414001
PERIOD OF ADAPS RECORD, WATER YEARS 2002-2003, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 675 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 17 FT, PRIMARY AQUIFER DESIGNATION:SAND
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

07S 07E 17AACC01 MONROE CO (WELL G-20)



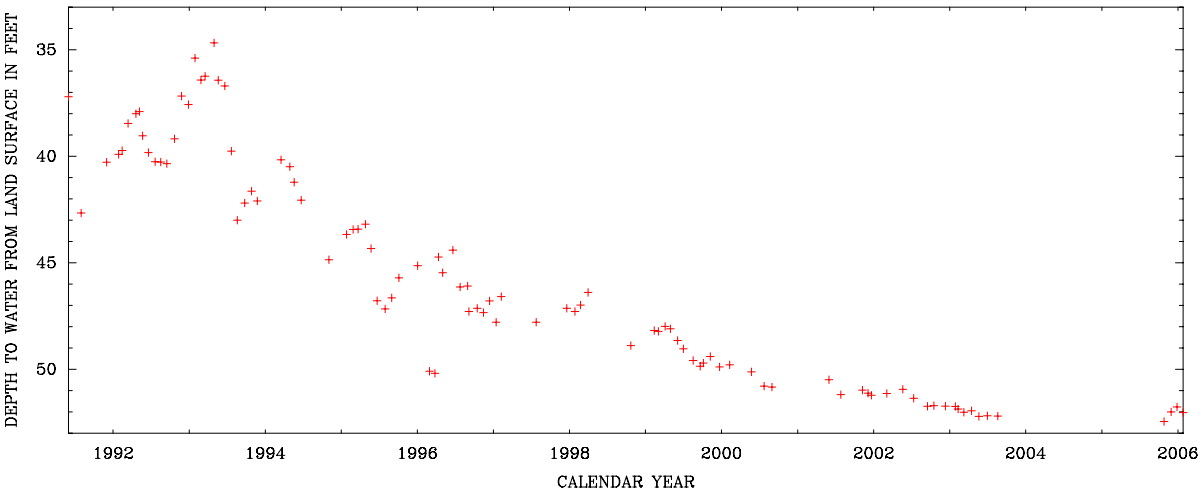
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 415236083365401
PERIOD OF RECORD, WATER YEARS 1991-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 655 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 70 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

07S 06E 15 AAC01 MONROE CO (WELL G-24)



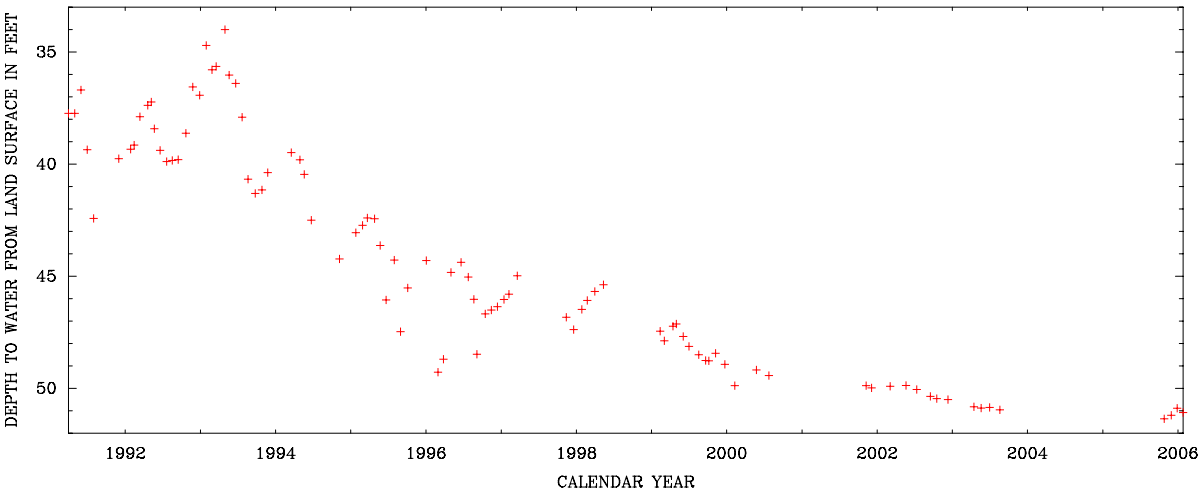
EXPLANATION

\+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 415236083413501
PERIOD OF RECORD, WATER YEARS 1991-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 680 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 87 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

07S 06E 15 AAD01 MONROE CO (WELL G-25)



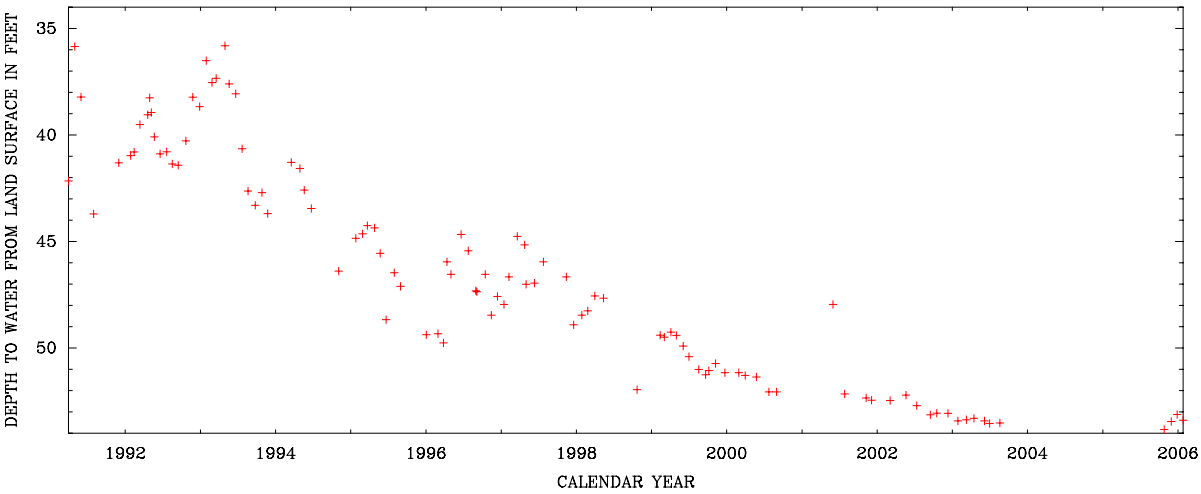
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 415239083412901
PERIOD OF RECORD, WATER YEARS 1991-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 679 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 87 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

07S 06E 15 ABB01 MONROE CO (WELL G-22)



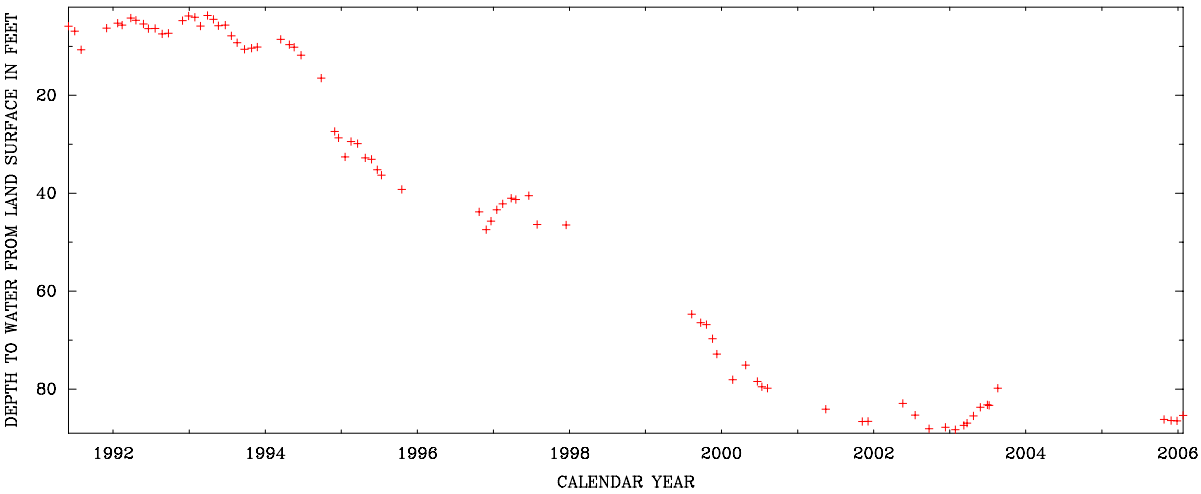
EXPLANATION

\+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 415244083415201
PERIOD OF RECORD, WATER YEARS 1991-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 680 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 87 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

07S 08E 02DCDA01 MONROE CO (WELL G-17)

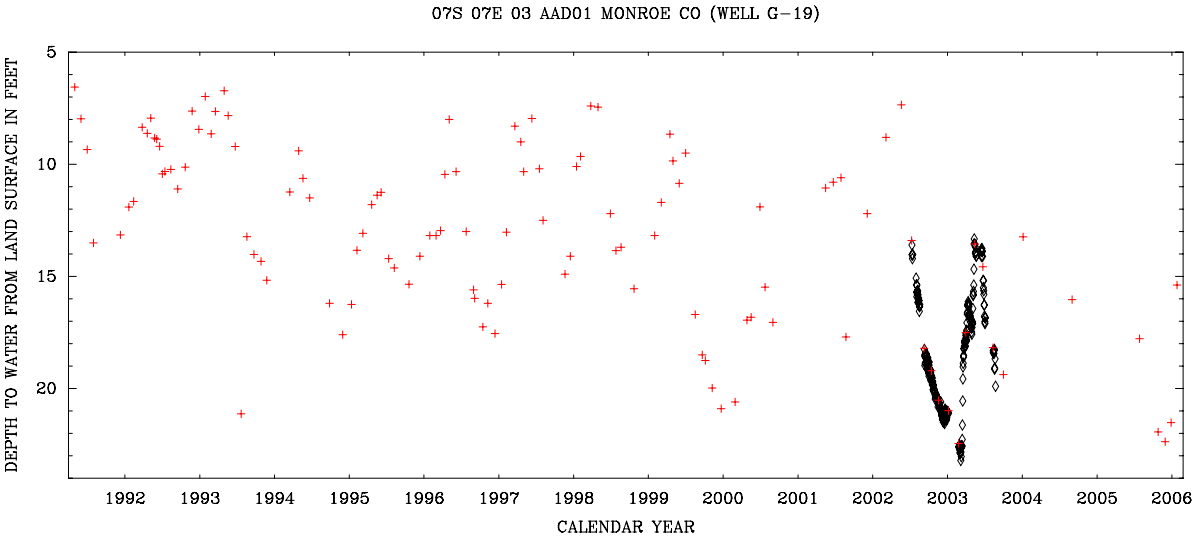


EXPLANATION

\+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 415400083262801
PERIOD OF RECORD, WATER YEARS 1991-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 605 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 95 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

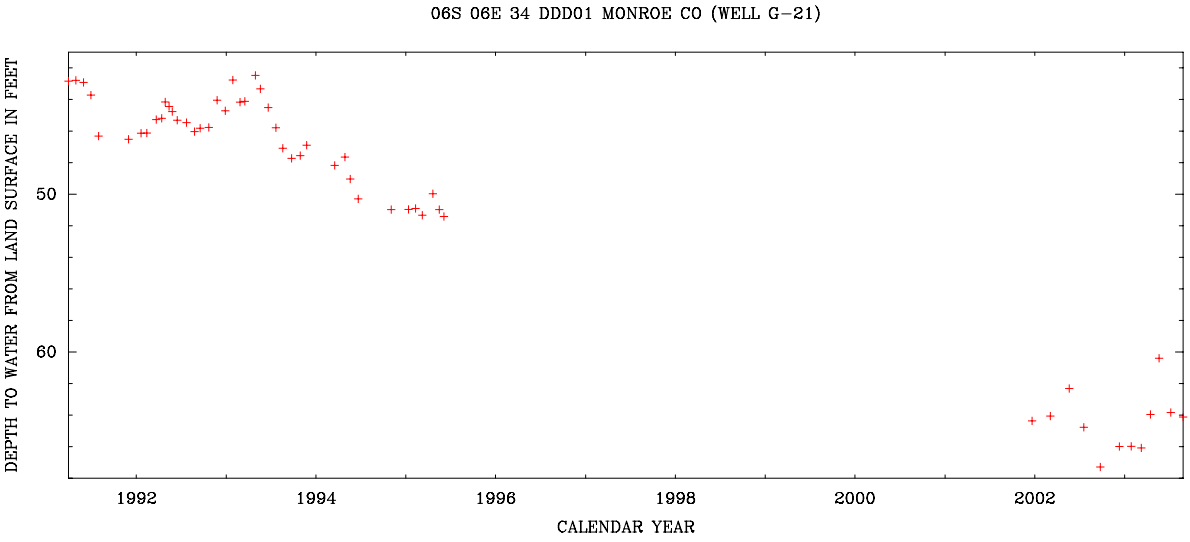


EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS

PERIOD OF ADAPS RECORD TOO SHORT TO GENERATE
MEANINGFUL WATER-YEAR SUMMARY

USGS STATION 415431083343201
PERIOD OF ADAPS RECORD, WATER YEARS 2002-2003, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 640 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 80 FT, PRIMARY AQUIFER DESIGNATION:SYLVANIA SANDSTONE
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

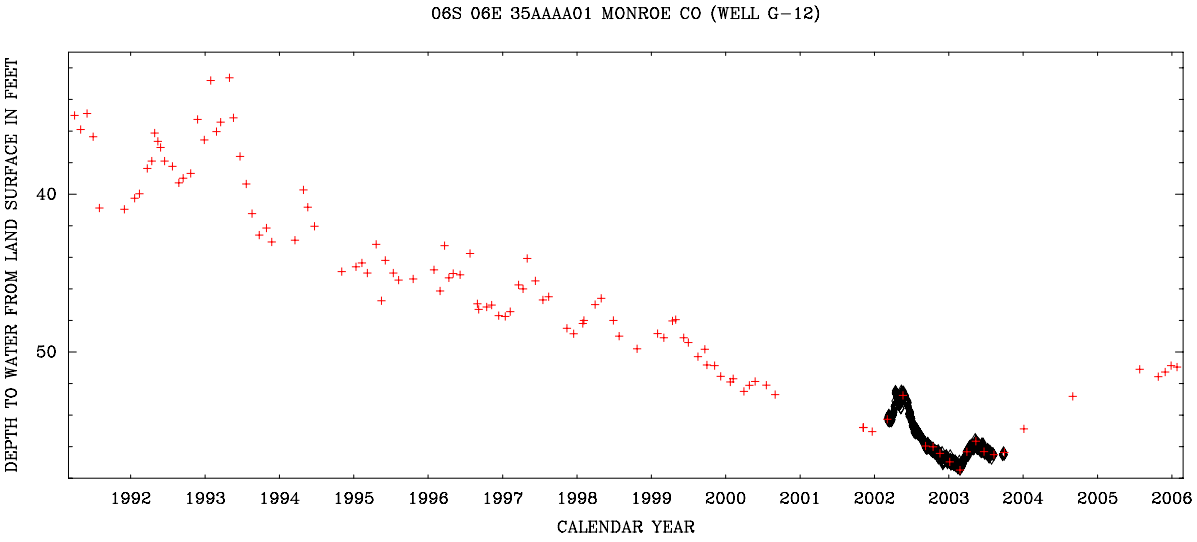


EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 415437083413001
PERIOD OF RECORD, WATER YEARS 1991-2003, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 677 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 75 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903



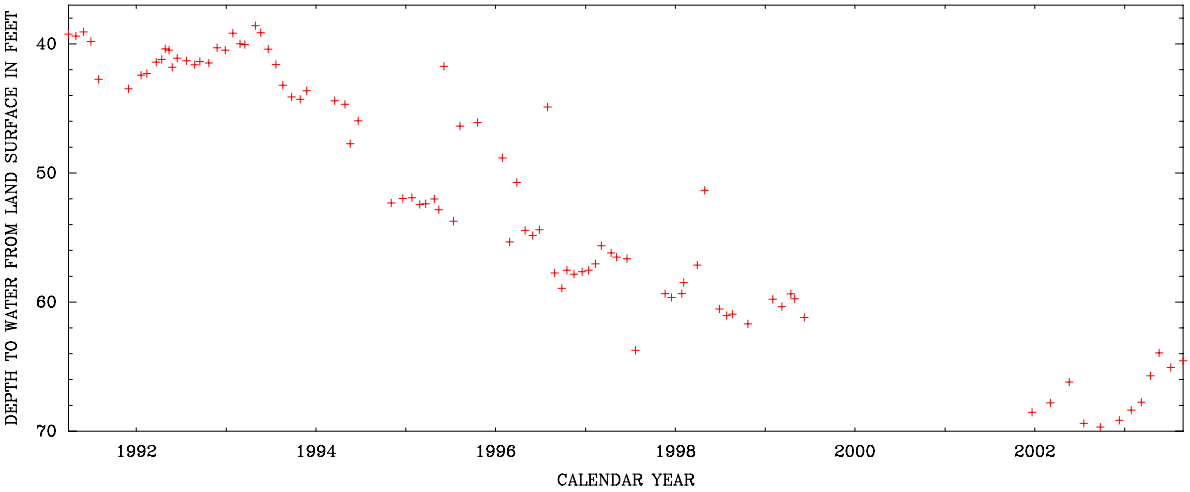
EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS

PERIOD OF ADAPS RECORD TOO SHORT TO GENERATE
MEANINGFUL WATER-YEAR SUMMARY

USGS STATION 415527083402001
PERIOD OF ADAPS RECORD, WATER YEARS 2002-2003, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 676 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 100 FT, PRIMARY AQUIFER DESIGNATION:DETROIT RIVER GROUP
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

06S 06E 23BDDD01 MONROE CO (WELL G-11)

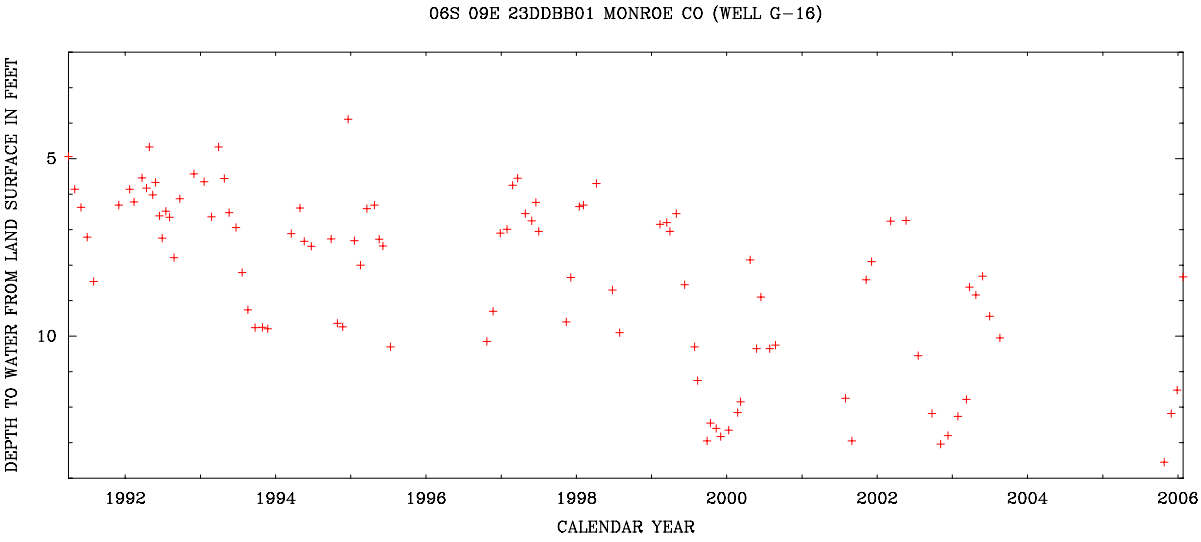


EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 415648083405601
PERIOD OF RECORD, WATER YEARS 1991-2003, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 667 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 110 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

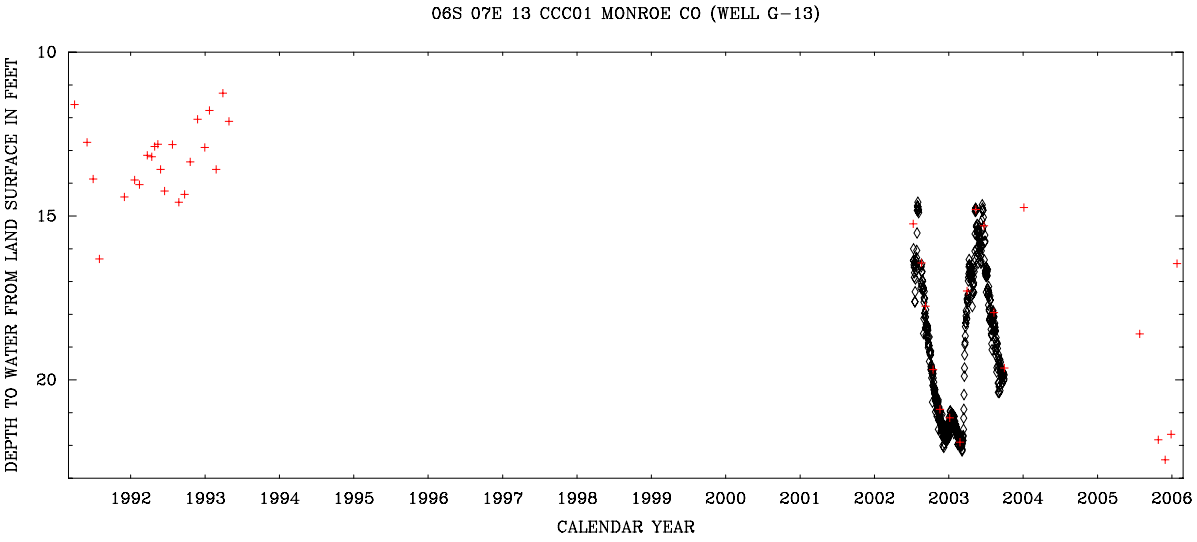


EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 415710083192501
PERIOD OF RECORD, WATER YEARS 1991-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 586 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 90 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

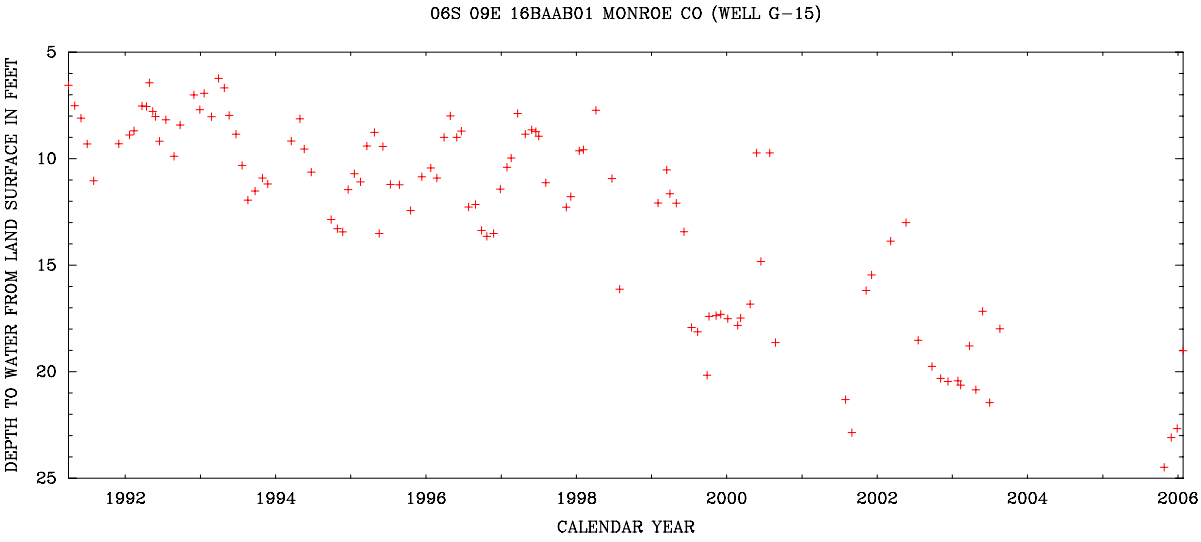


EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS

PERIOD OF ADAPS RECORD TOO SHORT TO GENERATE
MEANINGFUL WATER-YEAR SUMMARY

USGS STATION 415721083331601
PERIOD OF ADAPS RECORD, WATER YEARS 2002-2003, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 644 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 110 FT, PRIMARY AQUIFER DESIGNATION:DETROIT RIVER GROUP
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

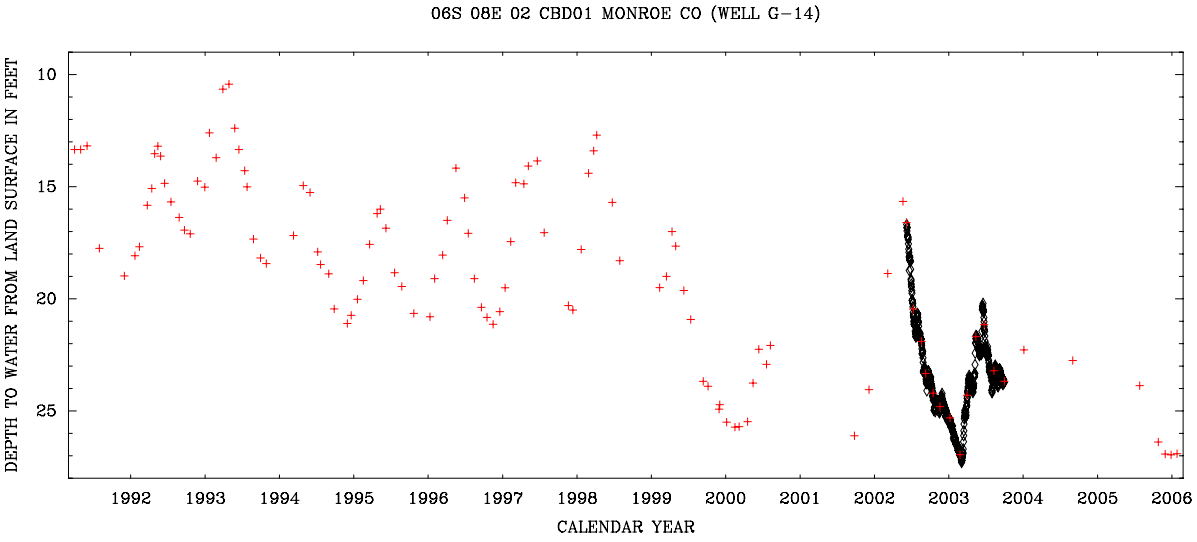


EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 415839083221501
PERIOD OF RECORD, WATER YEARS 1991-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 604 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 50 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

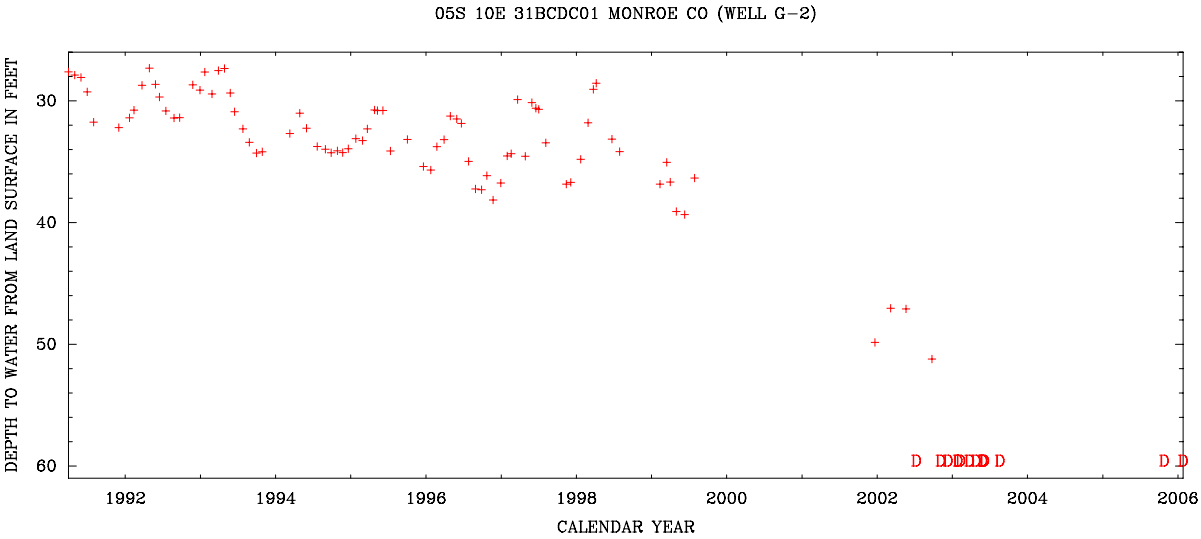


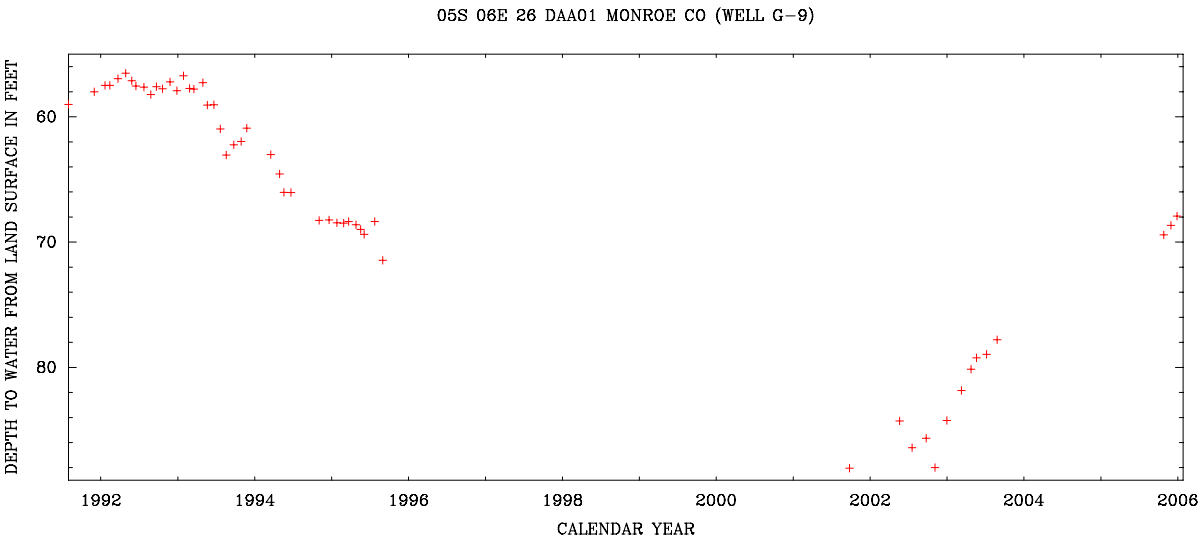
EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS

PERIOD OF ADAPS RECORD TOO SHORT TO GENERATE
MEANINGFUL WATER-YEAR SUMMARY

USGS STATION 415923083272101
PERIOD OF ADAPS RECORD, WATER YEARS 2002-2003, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 627 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 65 FT, PRIMARY AQUIFER DESIGNATION:SYLVANIA SANDSTONE
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903


05S 10E 31BCDC01 MONROE CO (WELL G-2)
DEPTH TO WATER FROM LAND SURFACE IN FEET
30
40
50
60
1992
1994
1996
1998
2000
2002
2004
2006
CALENDAR YEAR
D D D

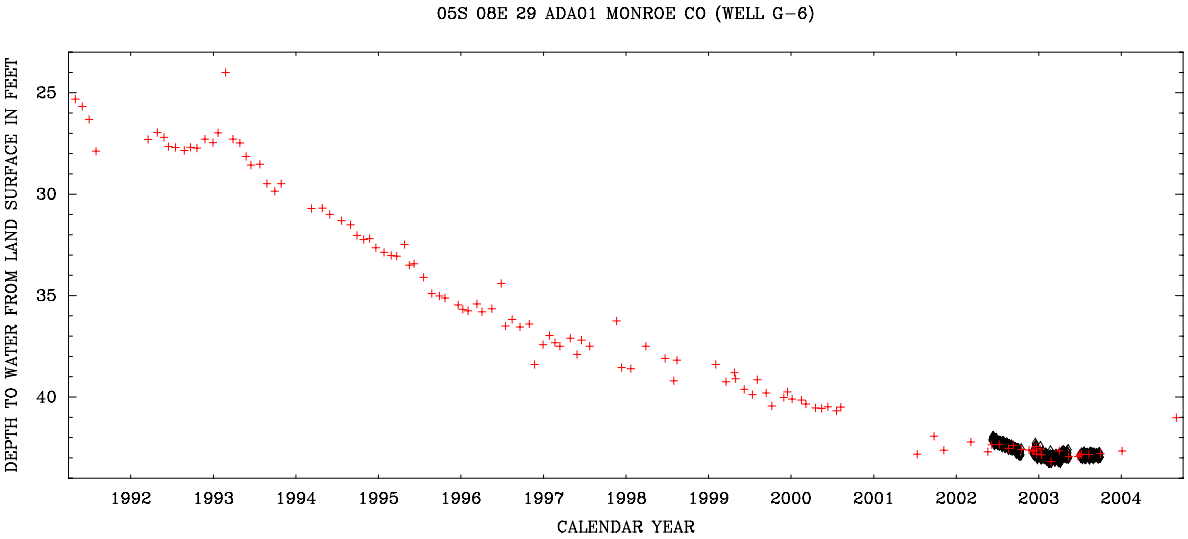


EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 420107083403201
PERIOD OF RECORD, WATER YEARS 1991-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 671 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 200 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

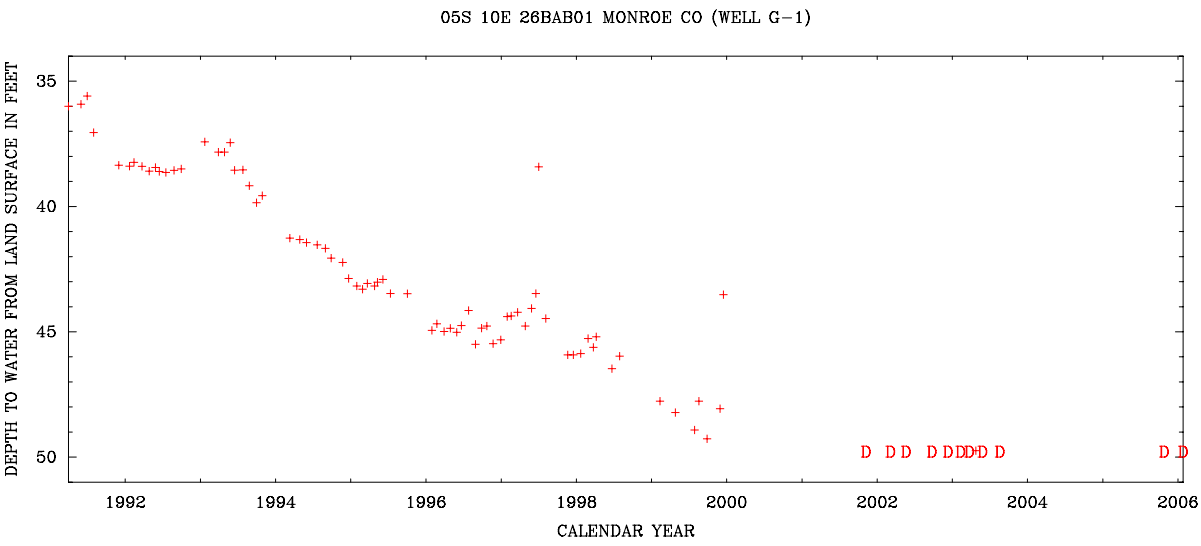


EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS

PERIOD OF ADAPS RECORD TOO SHORT TO GENERATE
MEANINGFUL WATER-YEAR SUMMARY

USGS STATION 420123083300001
PERIOD OF ADAPS RECORD, WATER YEARS 2002-2003, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 635 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 185 FT, PRIMARY AQUIFER DESIGNATION:DETROIT RIVER GROUP
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

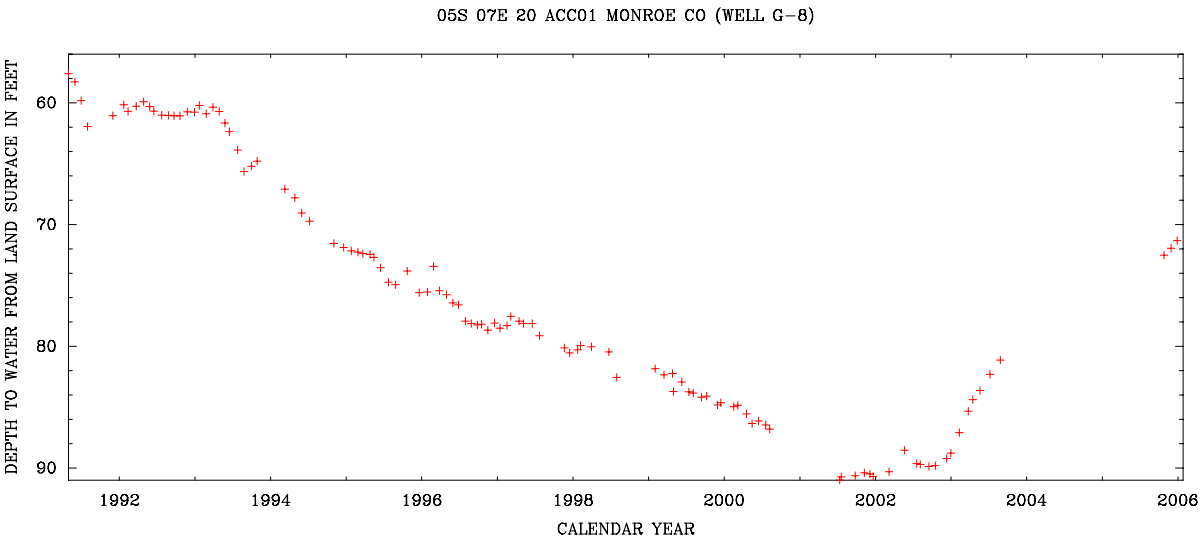


EXPLANATION

+	GWSI TAPE-DOWN MEASUREMENTS
D	THE SITE WAS DRY (NO WATER LEVEL RECORDED).

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 420218083130401
PERIOD OF RECORD, WATER YEARS 1991-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 575 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 50 FT, PRIMARY AQUIFER DESIGNATION:SYLVANIA SANDSTONE
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

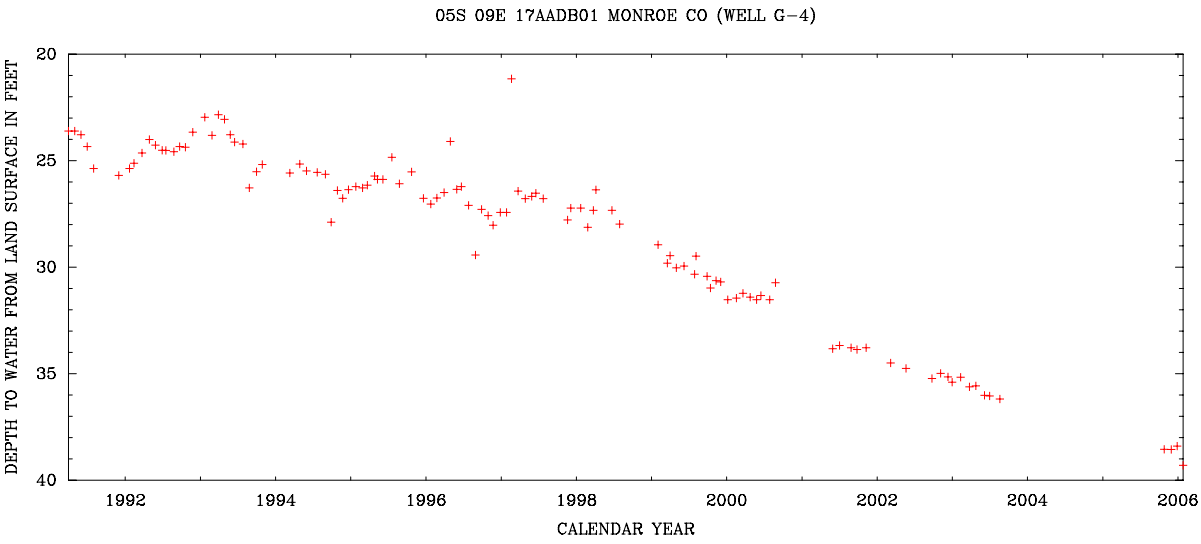


EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 420248083372601
PERIOD OF RECORD, WATER YEARS 1991-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 670 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 110 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903



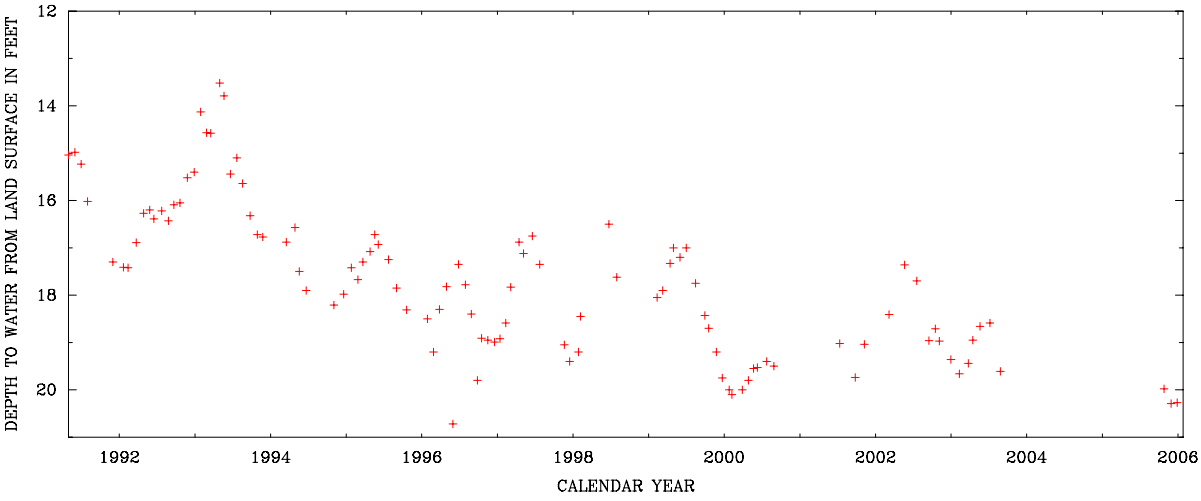
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 420314083225501
PERIOD OF RECORD, WATER YEARS 1991-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 615 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 65 FT, PRIMARY AQUIFER DESIGNATION:SYLVANIA SANDSTONE
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

05S 06E 08 DDA01 MONROE CO (WELL G-10)



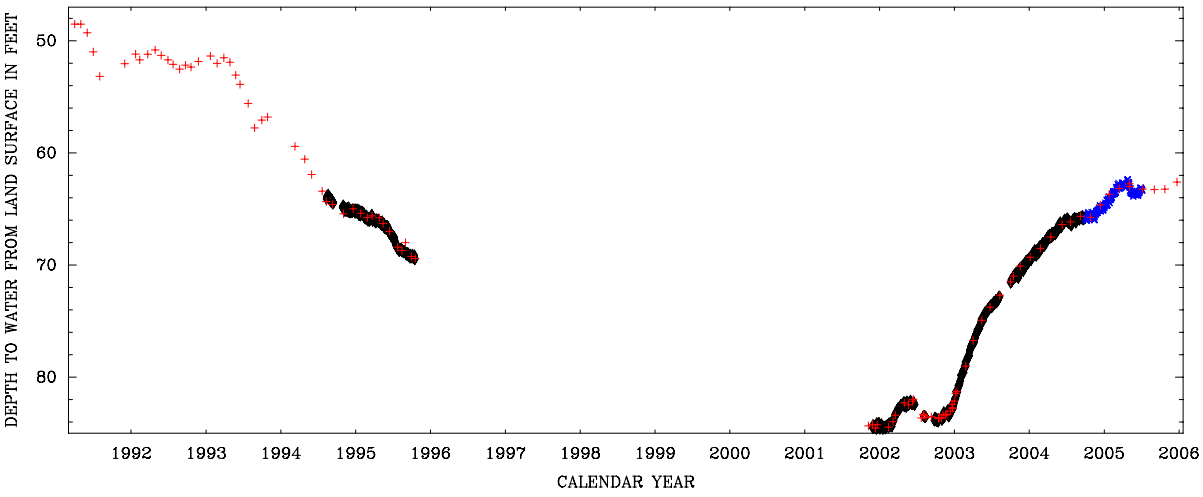
EXPLANATION

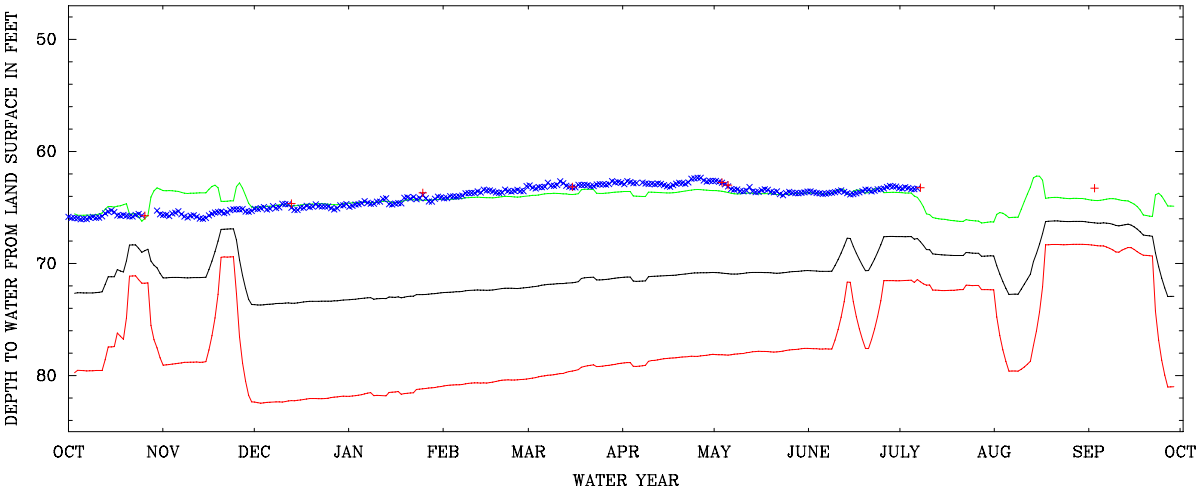
+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 420325083440901
PERIOD OF RECORD, WATER YEARS 1991-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 708 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 110 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

05S 07E 10 ABB01 MONROE CO (WELL G-7)





EXPLANATION

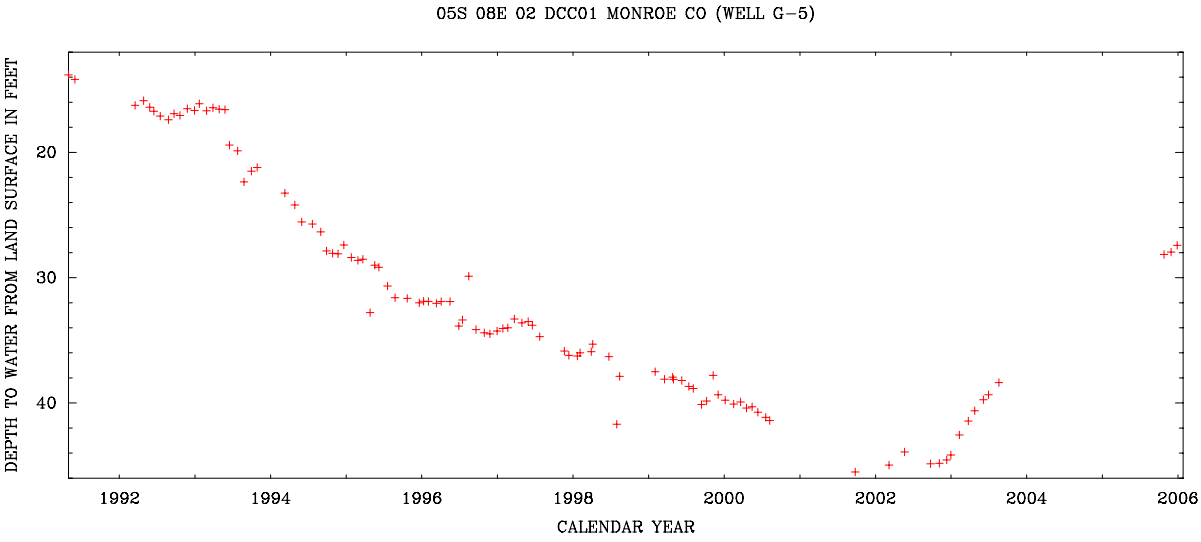
◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS
× 2005 DAILY MAXIMUM DEPTH TO WATER
PROVISIONAL DATA SUBJECT TO REVISION

AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 420414083351501
PERIOD OF ADAPS RECORD, WATER YEARS 1994-2005, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 665 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 95 FT, PRIMARY AQUIFER DESIGNATION:DEVONIAN-SILURIAN SYSTEMS
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

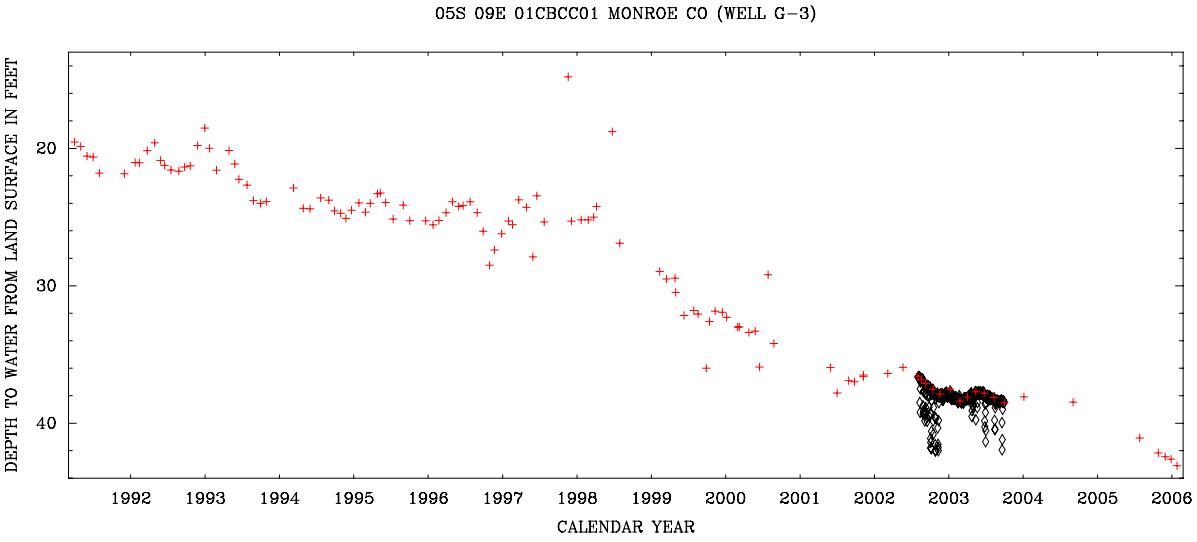


EXPLANATION

\+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 420425083270001
PERIOD OF RECORD, WATER YEARS 1991-2006, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 629 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 80 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903



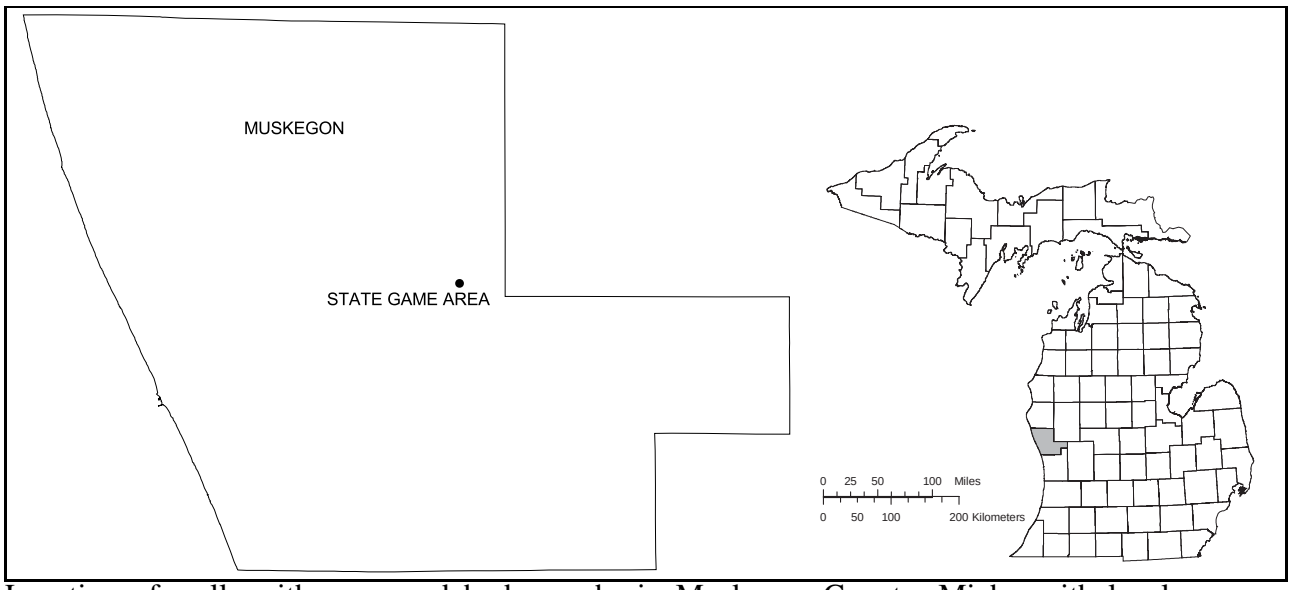
EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS

PERIOD OF ADAPS RECORD TOO SHORT TO GENERATE
MEANINGFUL WATER-YEAR SUMMARY

USGS STATION 420503083192101
PERIOD OF ADAPS RECORD, WATER YEARS 2002-2003, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 605 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 85 FT, PRIMARY AQUIFER DESIGNATION:DETROIT RIVER GROUP
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

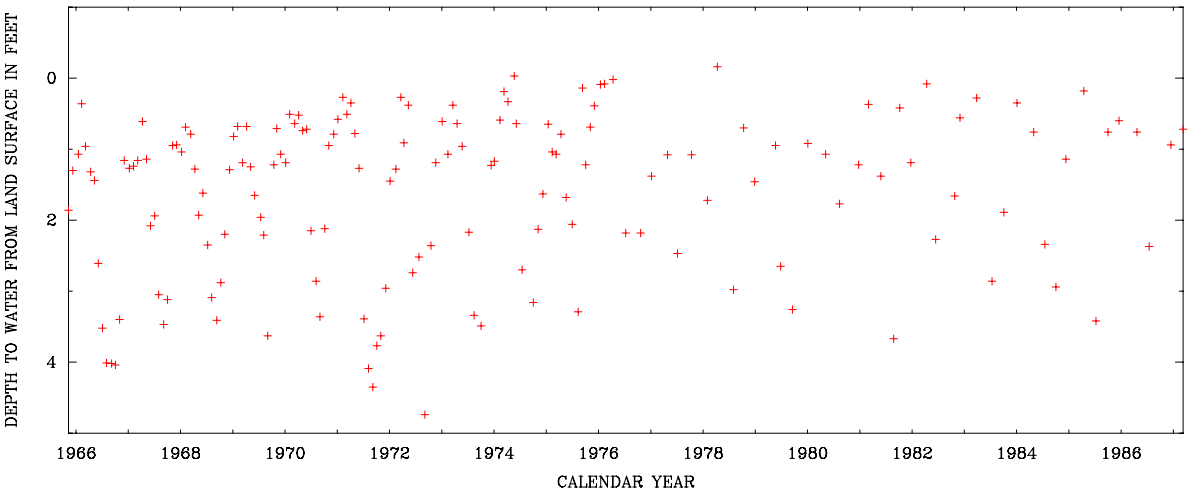
Muskegon County



Location of wells with recovered hydrographs in Muskegon County, Mich., with local name designation.

USGS STATION No.	USGS STATION NAME
431806086044401	11N 15W 34ADDD01 MUSKEGON CO (STATE GAME AREA)

11N 15W 34ADDD01 MUSKEGON CO (STATE GAME AREA)



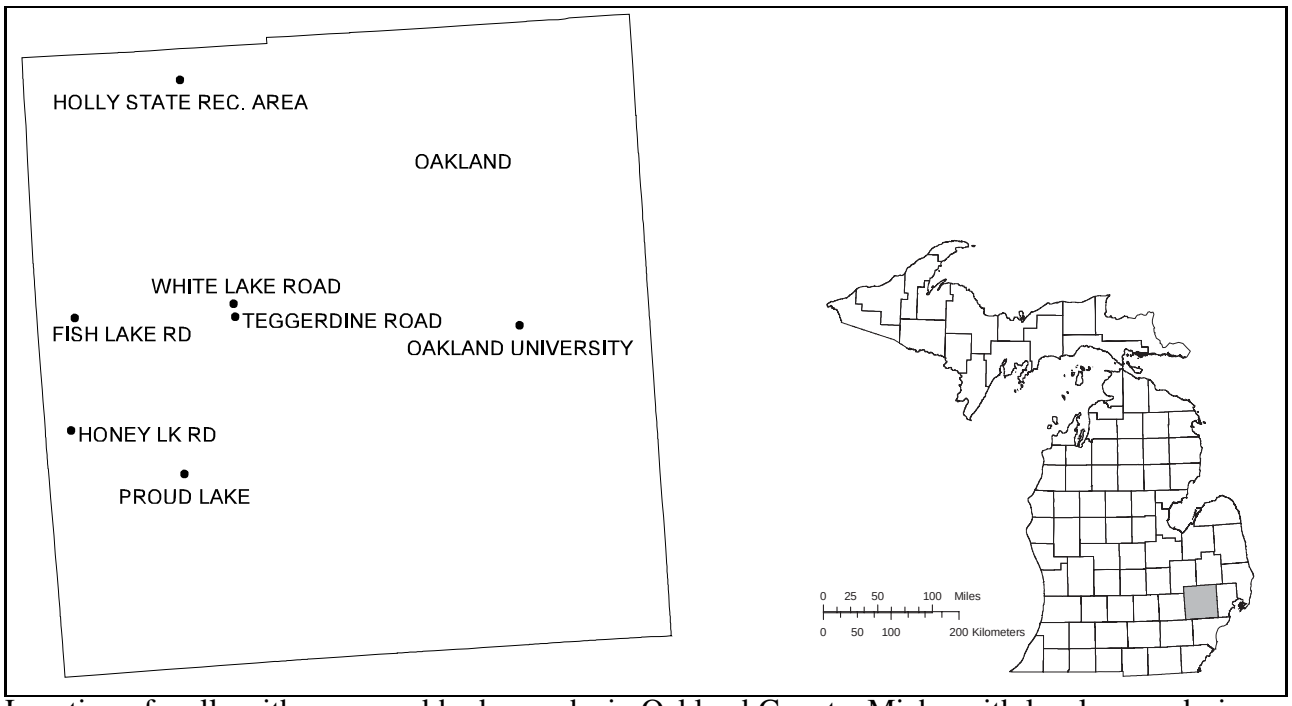
EXPLANATION

\+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 431806086044401
PERIOD OF RECORD, WATER YEARS 1966-1987, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 595 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 31 FT, PRIMARY AQUIFER DESIGNATION:SAND
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

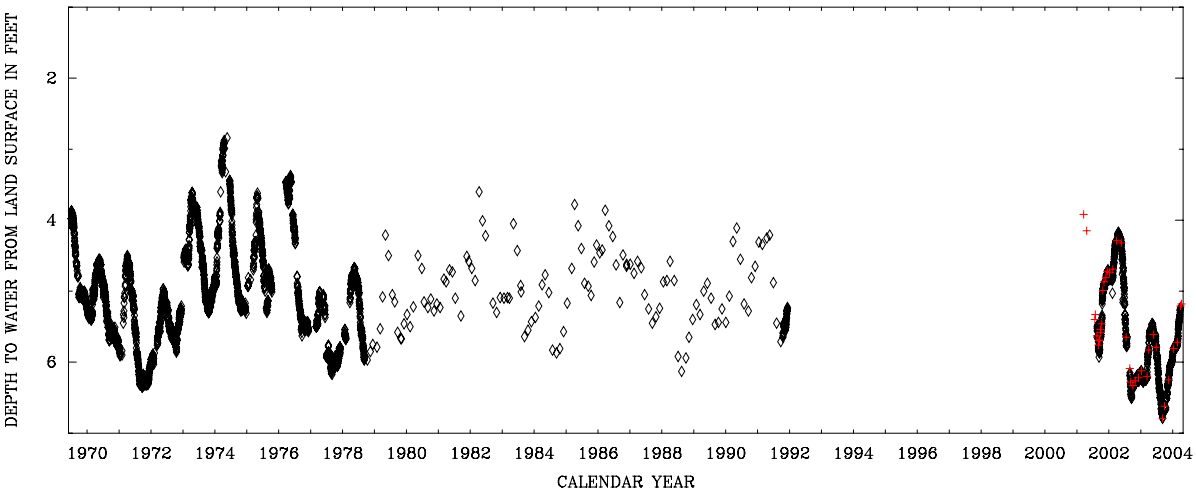
Oakland County

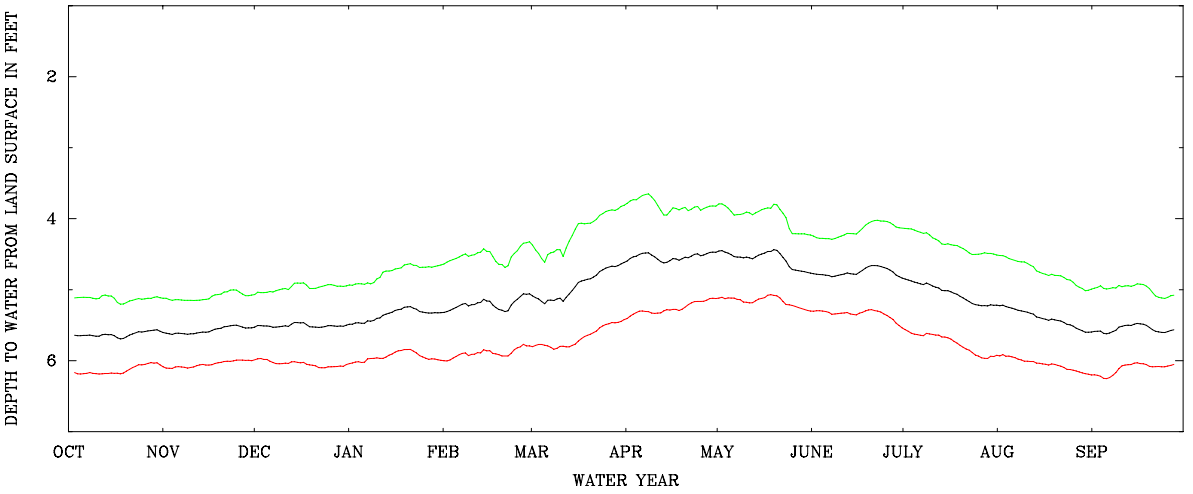


Location of wells with recovered hydrographs in Oakland County, Mich., with local name designation.

USGS STATION No.	USGS STATION NAME
423423083324001	02N 08E 18DBAD01 OAKLAND CO (PROUD LAKE WELL)
423622083390701	02N 07E 05BA 01 OAKLAND CO (HONEYWELL LK RD)
424015083130601	03N 10E 13AC 01 OAKLAND CO (OAKLAND UNIVERSITY)
424109083384301	03N 07E 05DADA 01 OAKLAND CO (FISH LAKE RD)
424133083293101	03N 08E 10ABDB01 OAKLAND CO (TEGGERDINE ROAD)
424133083293201	03N 08E 03DBAB01 OAKLAND CO (WHITE LAKE ROAD)
425116083321501	05N 08E 08ACAC OAKLAND CO (HOLLY STATE REC. AREA)

02N 08E 18DBAD01 OAKLAND CO (PROUD LAKE WELL)





EXPLANATION

◇ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS

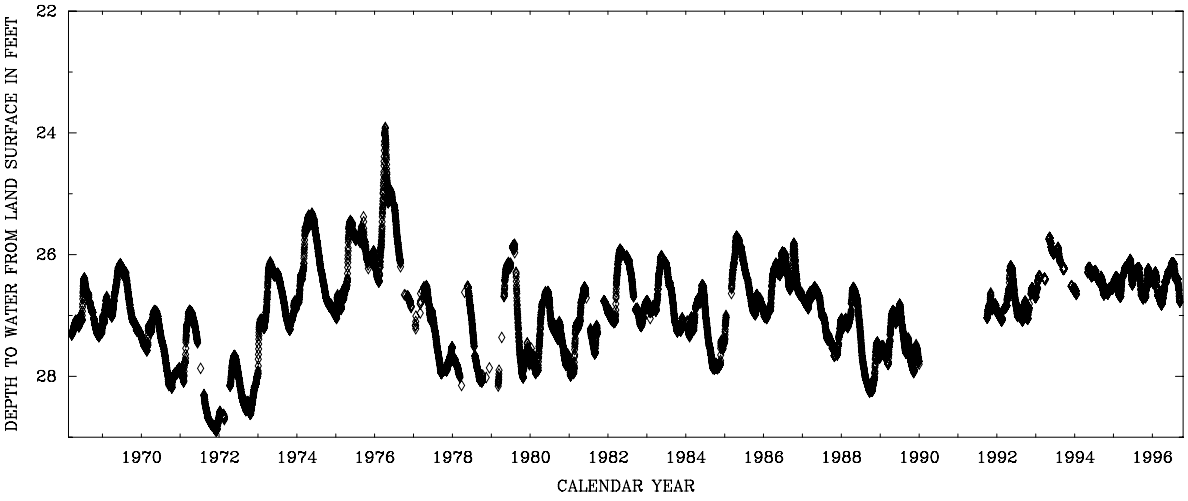
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

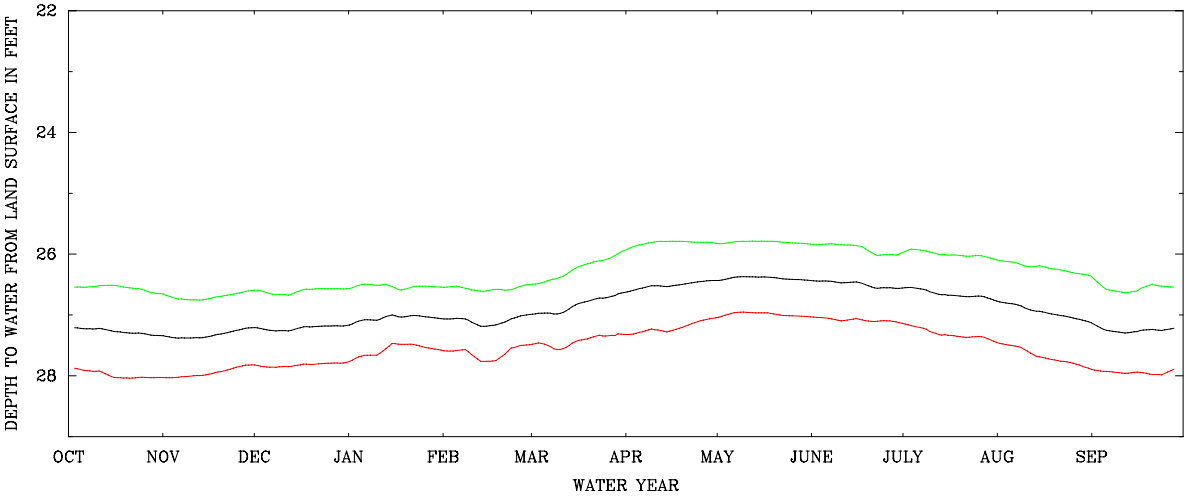
5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 423423083324001
PERIOD OF ADAPS RECORD, WATER YEARS 1969-2004, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 920 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 43.0 FT, PRIMARY AQUIFER DESIGNATION:OUTWASH
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

02N 07E 05BA 01 OAKLAND CO (HONEYWELL LK RD)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER

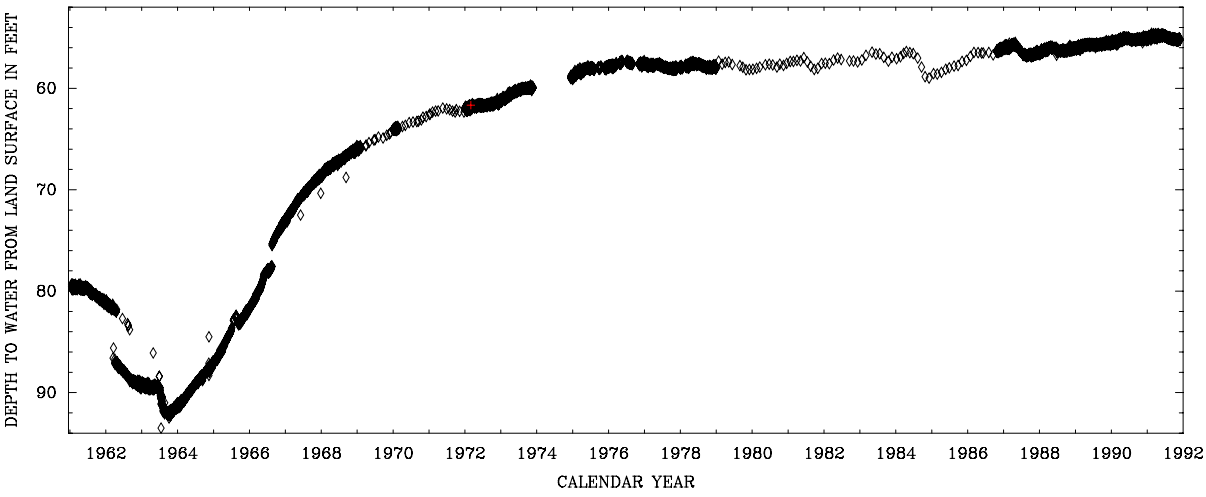
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

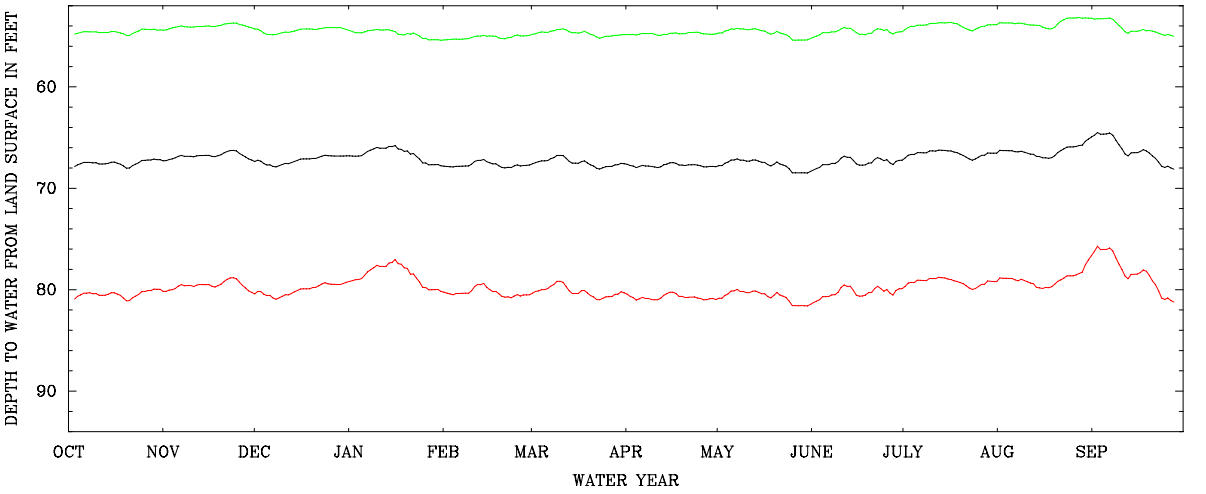
5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 423622083390701
PERIOD OF ADAPS RECORD, WATER YEARS 1968-1996, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 1020 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 44 FT, PRIMARY AQUIFER DESIGNATION:GLACIAL DEPOSITS,UNDIFFERENTIATED
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

03N 10E 13AC 01 OAKLAND CO (OAKLAND UNIVERSITY)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS

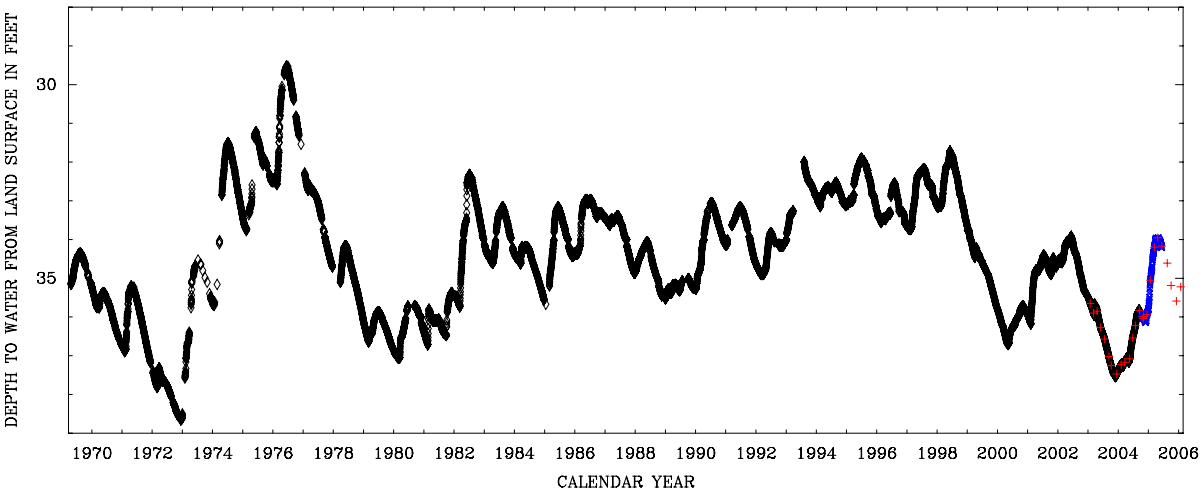
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

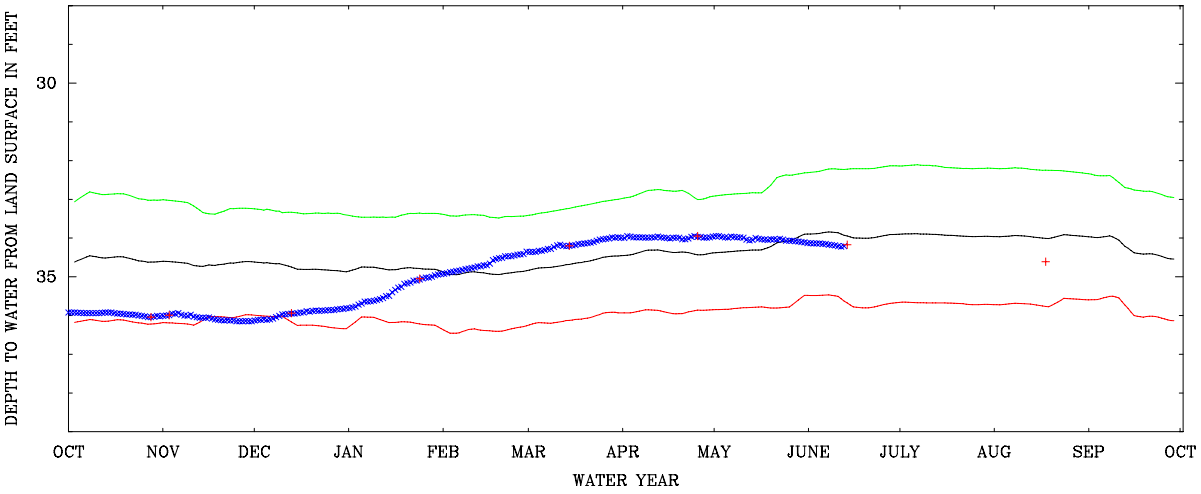
5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 424015083130601
PERIOD OF ADAPS RECORD, WATER YEARS 1961-1992, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 925 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 183 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

03N 07E 05DADA 01 OAKLAND CO (FISH LAKE RD)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS
× 2005 DAILY MAXIMUM DEPTH TO WATER
PROVISIONAL DATA SUBJECT TO REVISION

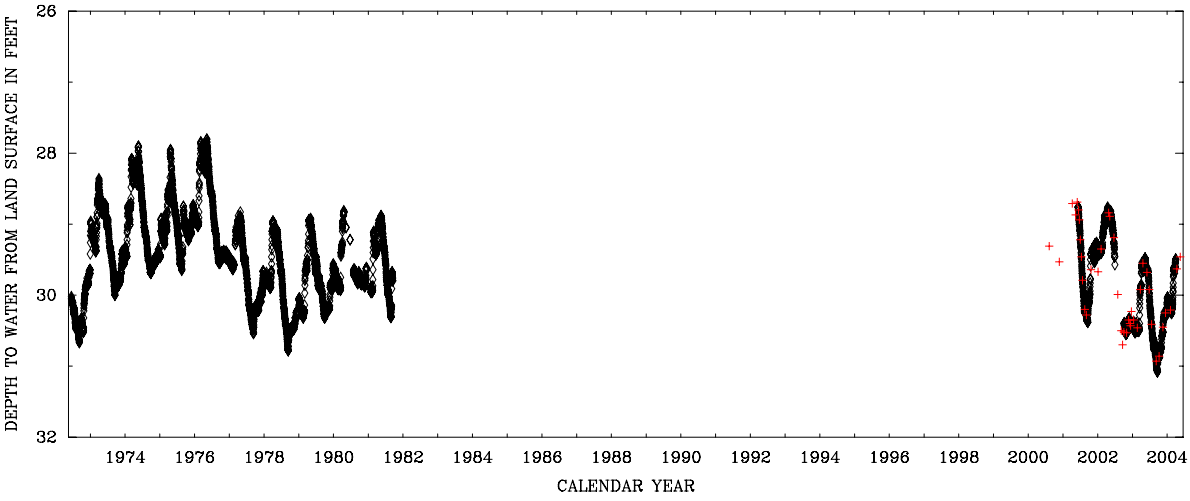
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

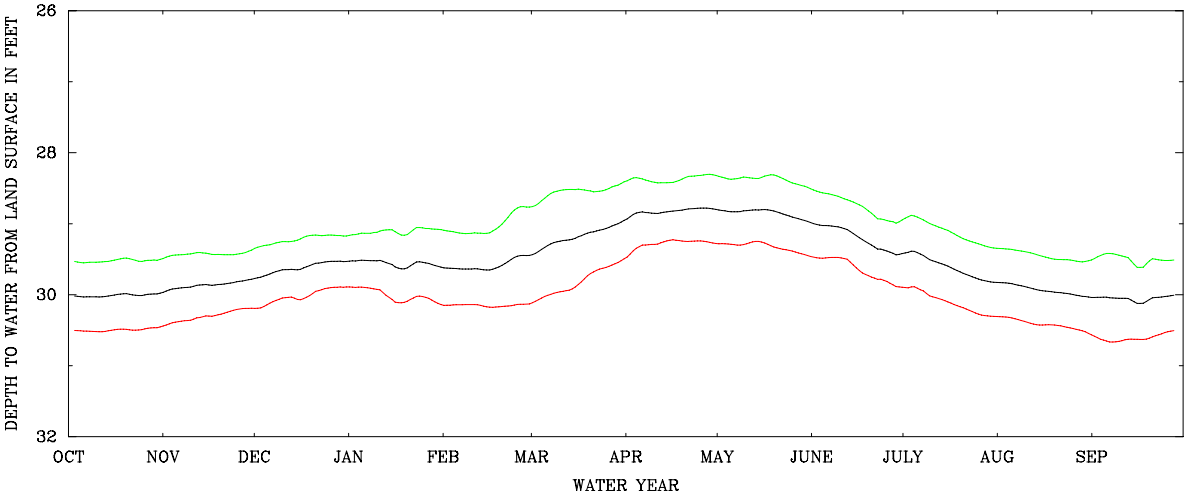
5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 424109083384301
PERIOD OF ADAPS RECORD, WATER YEARS 1969-2005, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 1055 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 49.0 FT, PRIMARY AQUIFER DESIGNATION:OUTWASH
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

03N 08E 10ABDB01 OAKLAND CO (TEGGERDINE ROAD)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS

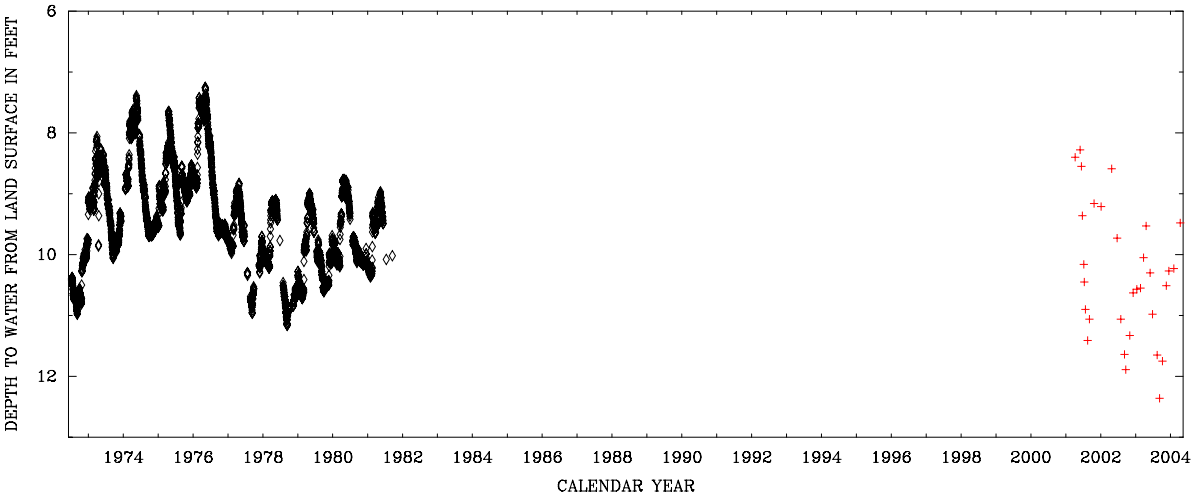
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

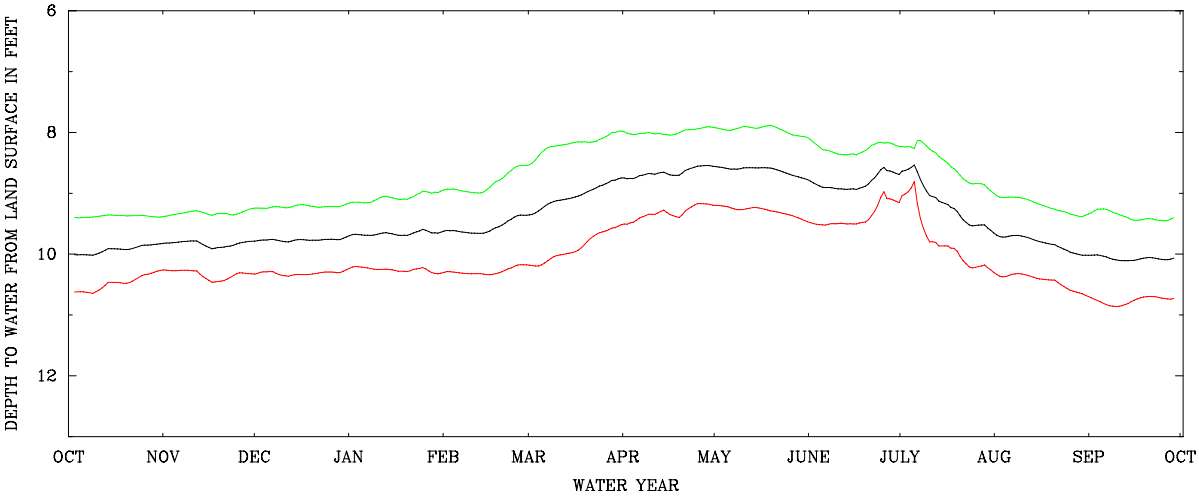
5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 424133083293101
PERIOD OF ADAPS RECORD, WATER YEARS 1972-2004, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 1000 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 175 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

03N 08E 03DBAB01 OAKLAND CO (WHITE LAKE ROAD)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER

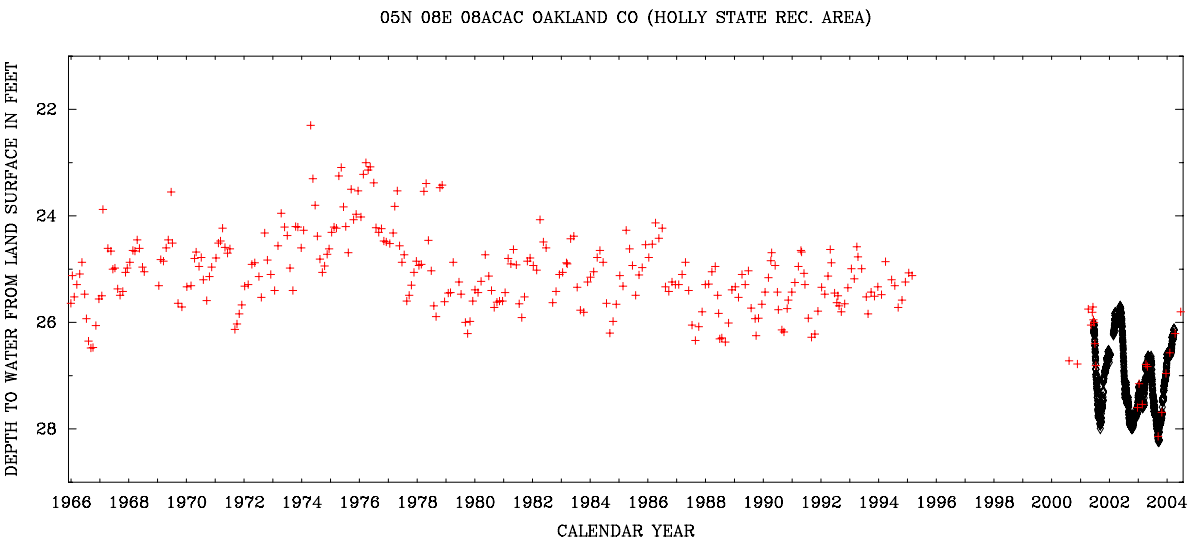
\+ GWSI TAPE-DOWN MEASUREMENTS

AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 424133083293201
PERIOD OF ADAPS RECORD, WATER YEARS 1972-1981, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 1000 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 163 FT, PRIMARY AQUIFER DESIGNATION:OUTWASH
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903



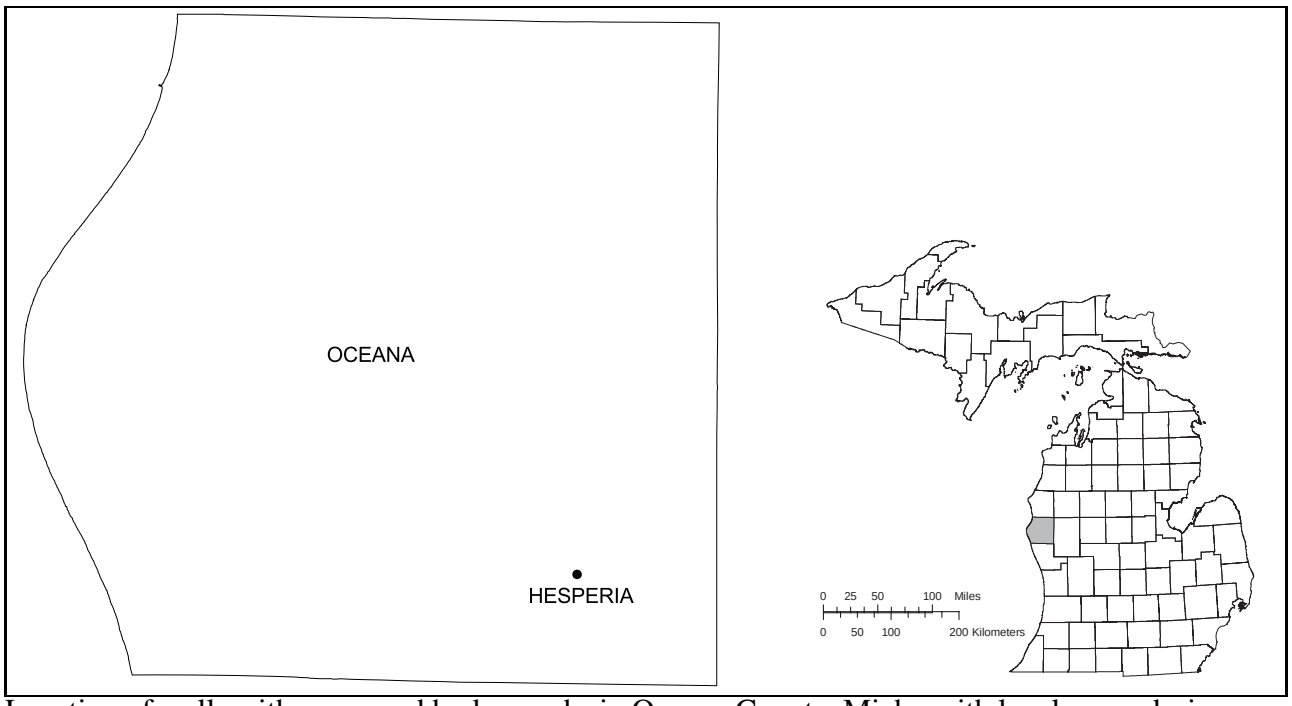
EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS

PERIOD OF ADAPS RECORD TOO SHORT TO GENERATE
MEANINGFUL WATER-YEAR SUMMARY

USGS STATION 425116083321501
PERIOD OF ADAPS RECORD, WATER YEARS 2001-2004, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 930 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 42 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

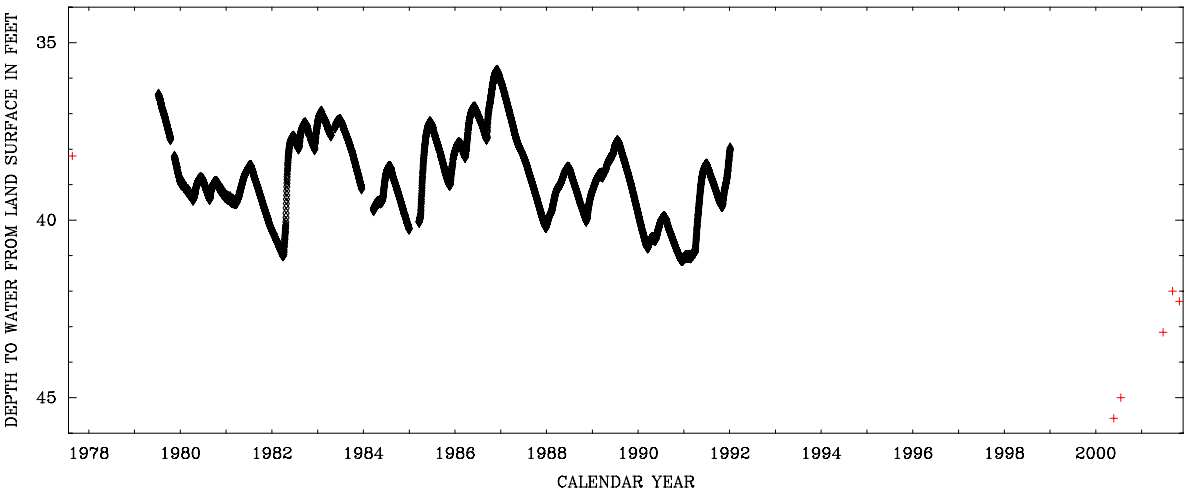
Oceana County

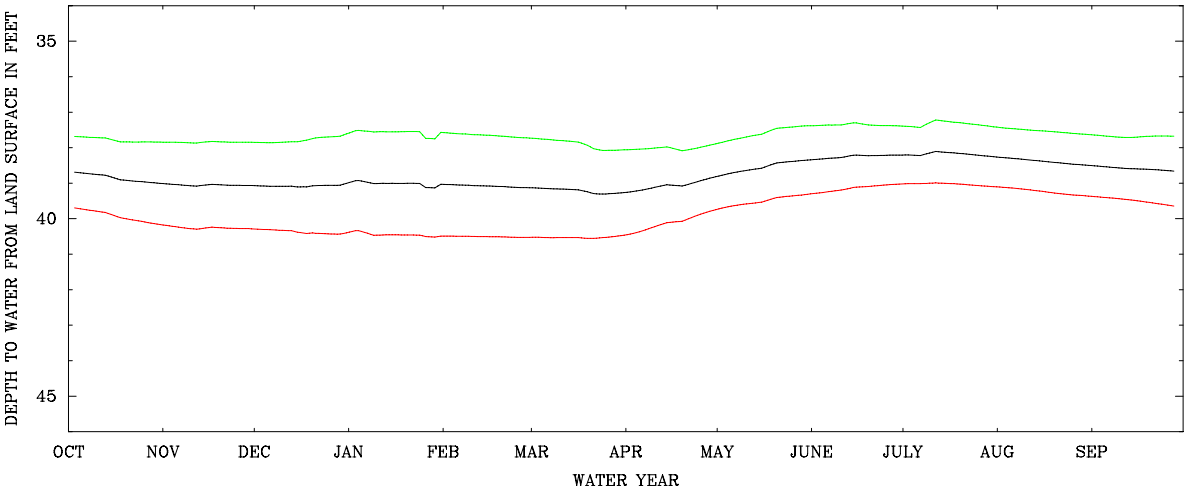


Location of wells with recovered hydrographs in Oceana County, Mich., with local name designation.

USGS STATION No.	USGS STATION NAME
433133086082601	13N 15W 18AAAA01 OCEANA CO (HESPERIA)

13N 15W 18AAAA01 OCEANA CO (HESPERIA)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER

\+ GWSI TAPE-DOWN MEASUREMENTS

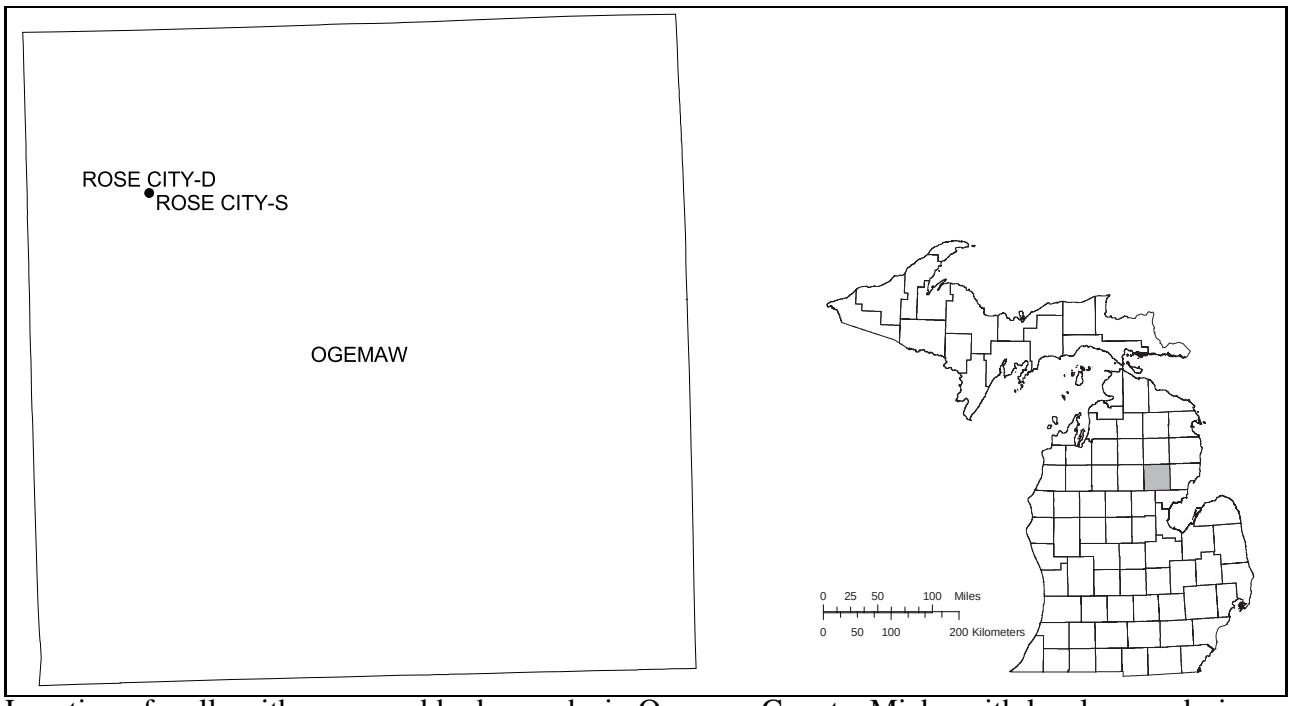
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 433133086082601
PERIOD OF ADAPS RECORD, WATER YEARS 1979-1992, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 703 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 79.0 FT, PRIMARY AQUIFER DESIGNATION:OUTWASH
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

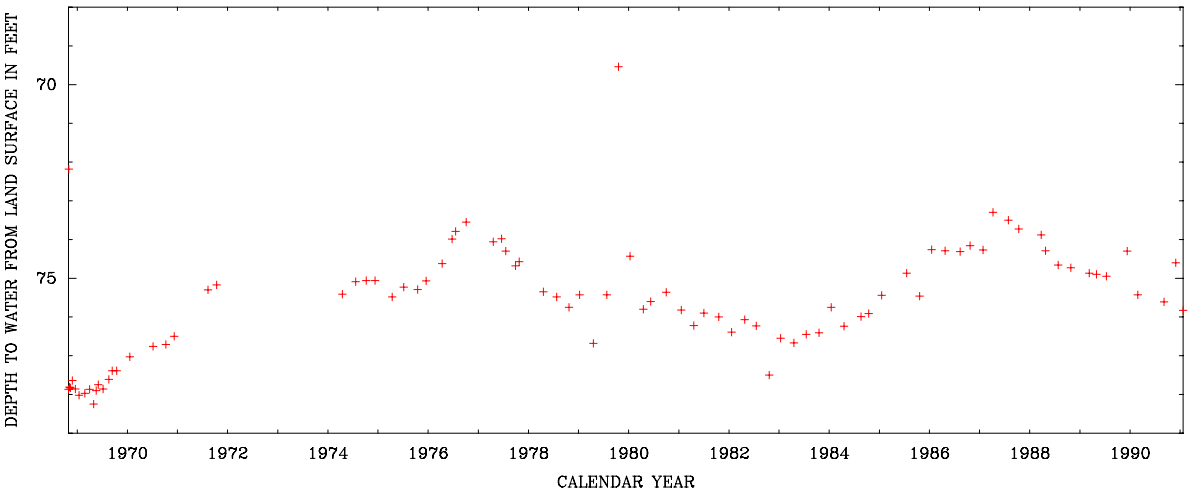
Ogemaw County



Location of wells with recovered hydrographs in Ogemaw County, Mich., with local name designation.

USGS STATION No.	USGS STATION NAME
442514084164701	23N 01E 02BAAA 01 OGEMAW CO (ROSE CITY-D)
442514084164702	23N 01E 02BAAA01 OGEMAW CO (ROSE CITY-S)

23N 01E 02BAAA 01 OGEMAW CO (ROSE CITY-D)



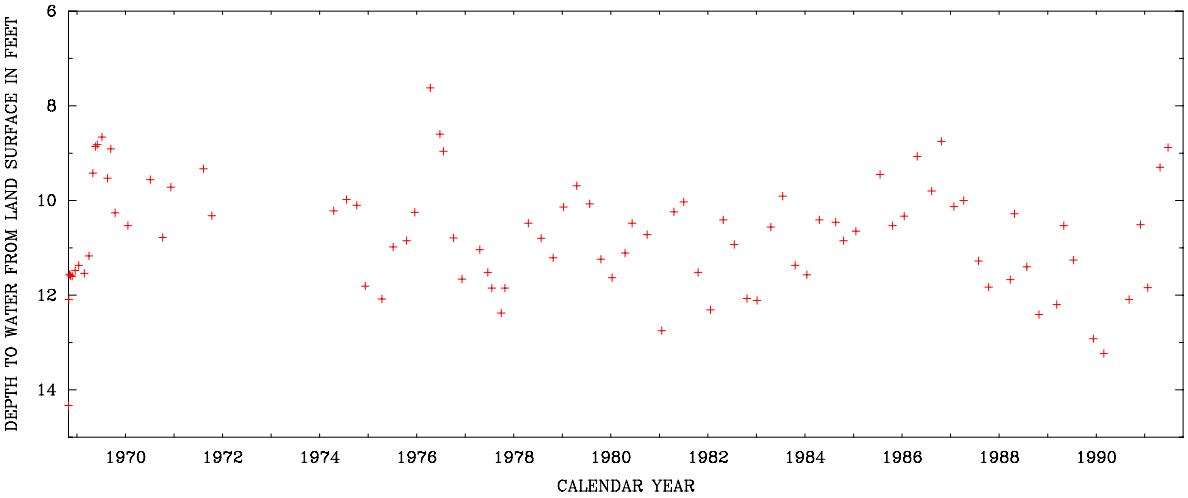
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 442514084164701
PERIOD OF RECORD, WATER YEARS 1969-1991, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 1265 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 105 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

23N 01E 02BAAA01 OGEMAW CO (ROSE CITY-S)



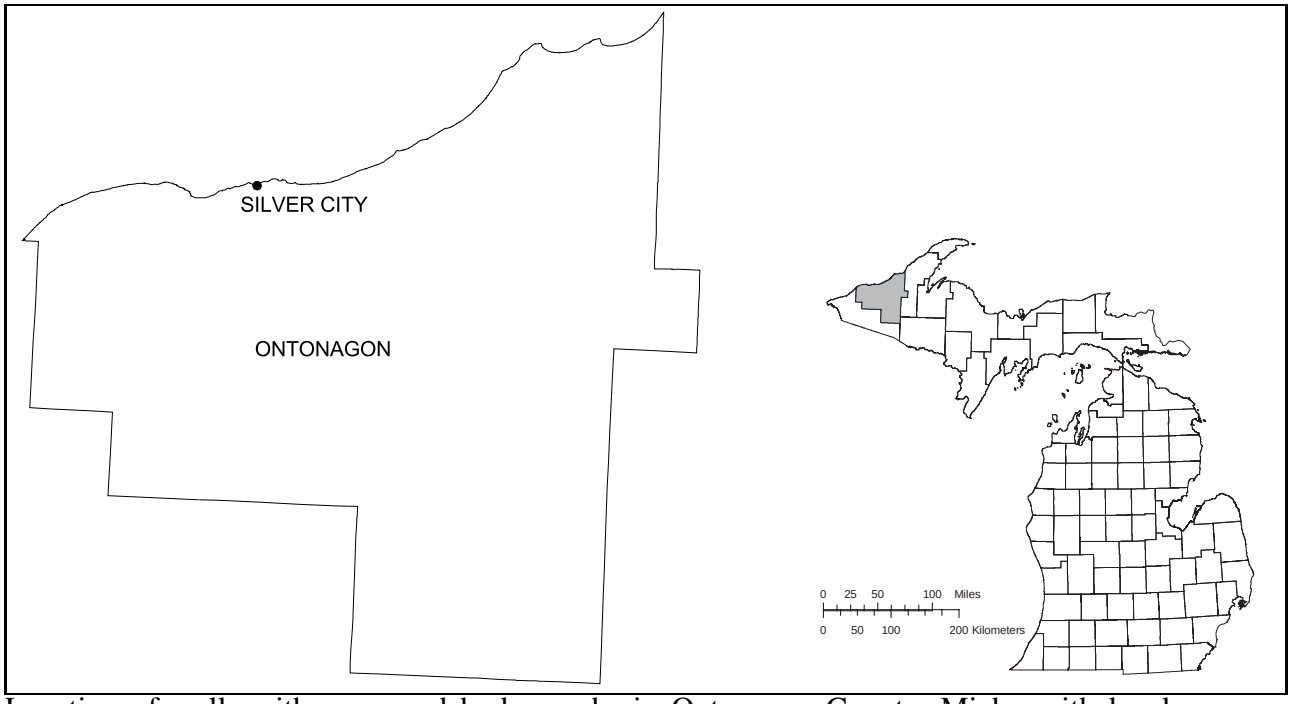
EXPLANATION

\+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 442514084164702
PERIOD OF RECORD, WATER YEARS 1969-1992, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 1265 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 20.0 FT, PRIMARY AQUIFER DESIGNATION:SAND
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

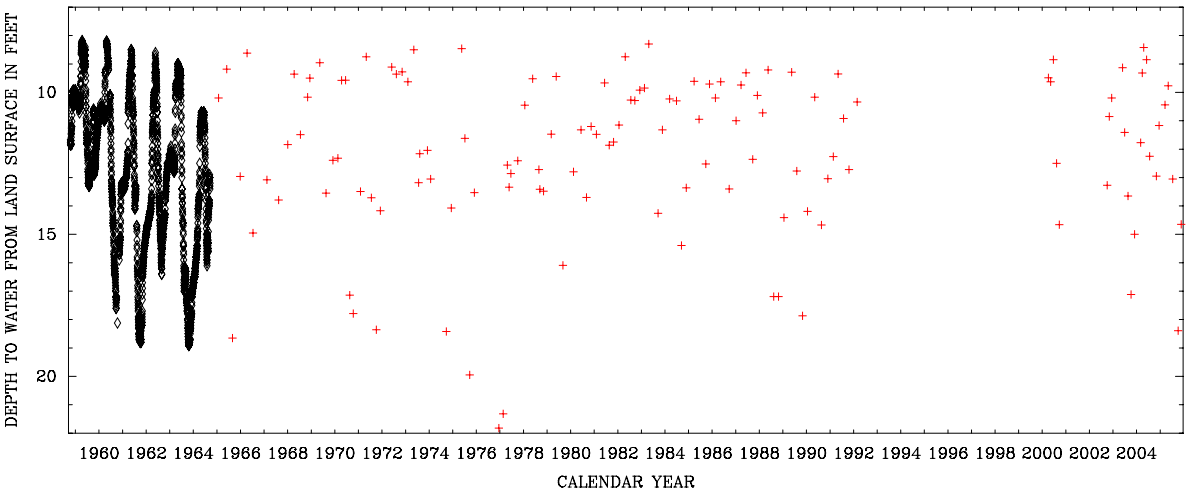
Ontonagon County

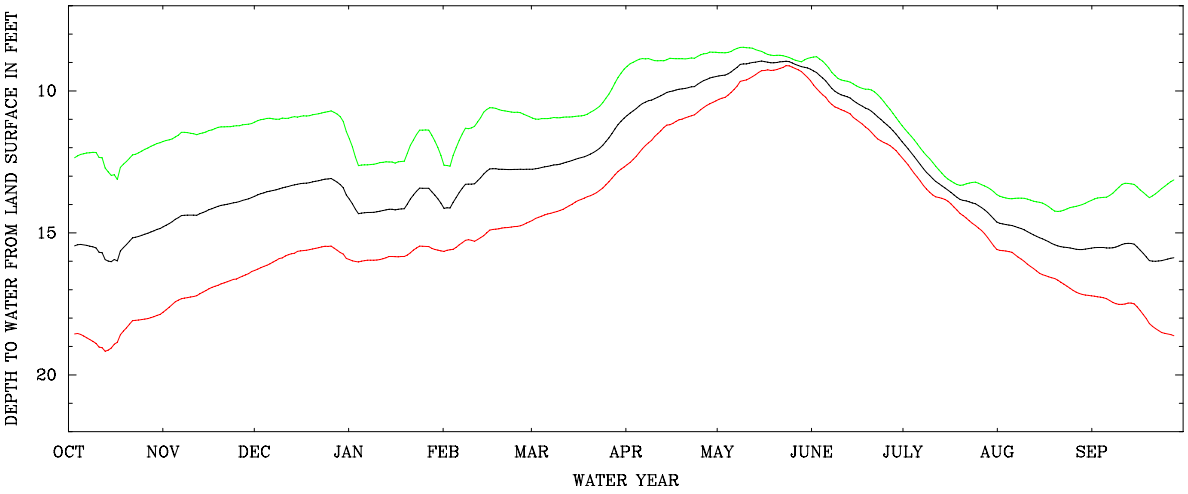


Location of wells with recovered hydrographs in Ontonagon County, Mich., with local name designation.

USGS STATION No.	USGS STATION NAME
465002089321601	51N 41W 08BDBC01 ONTONAGON CO (SILVER CITY)

51N 41W 08BDBC01 ONTONAGON CO (SILVER CITY)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS

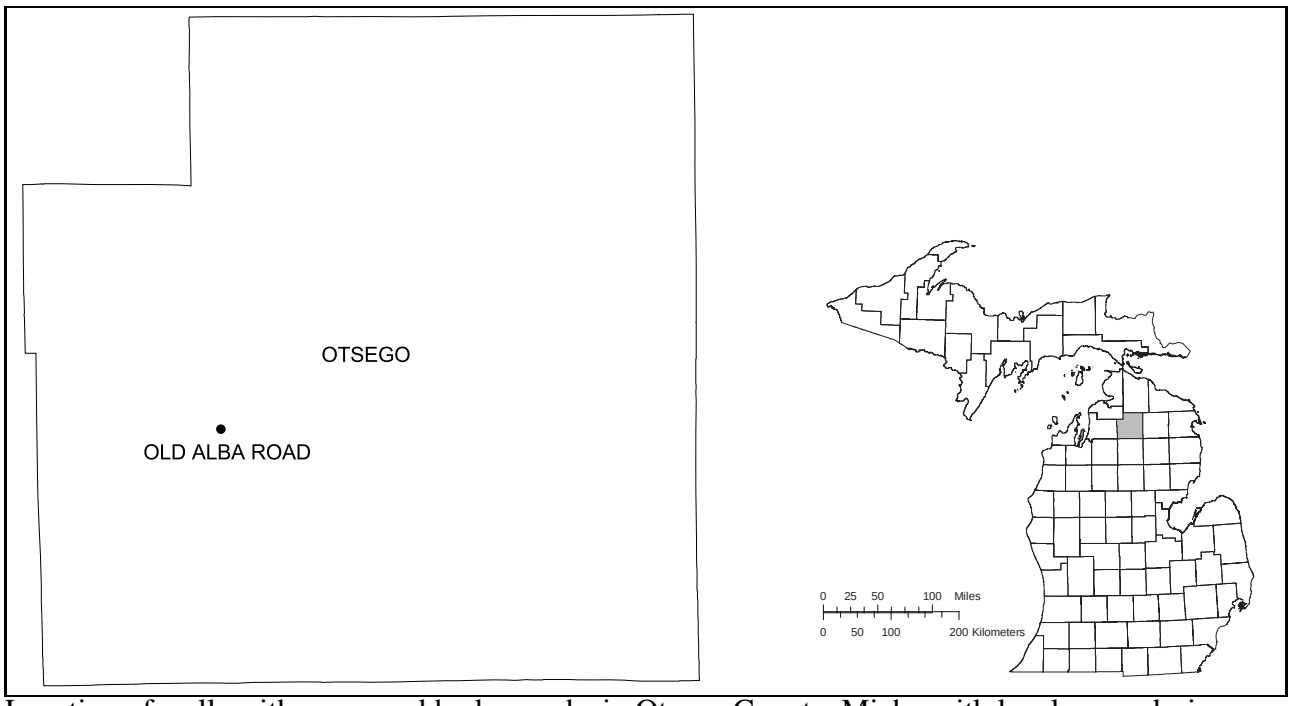
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 465002089321601
PERIOD OF ADAPS RECORD, WATER YEARS 1959-1964, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 620 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 100 FT, PRIMARY AQUIFER DESIGNATION:FREDA SANDSTONE
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

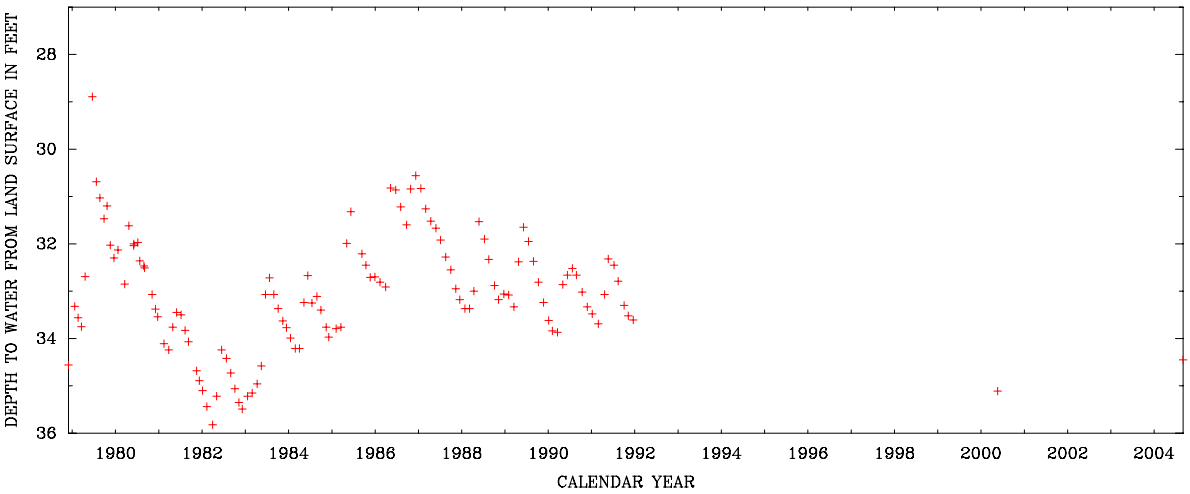
Otsego County



Location of wells with recovered hydrographs in Otsego County, Mich., with local name designation.

USGS STATION No.	USGS STATION NAME
445920084425801	30N 03W 19ABBB01 OTSEGO CO (OLD ALBA ROAD)

30N 03W 19ABBB01 OTSEGO CO (OLD ALBA ROAD)



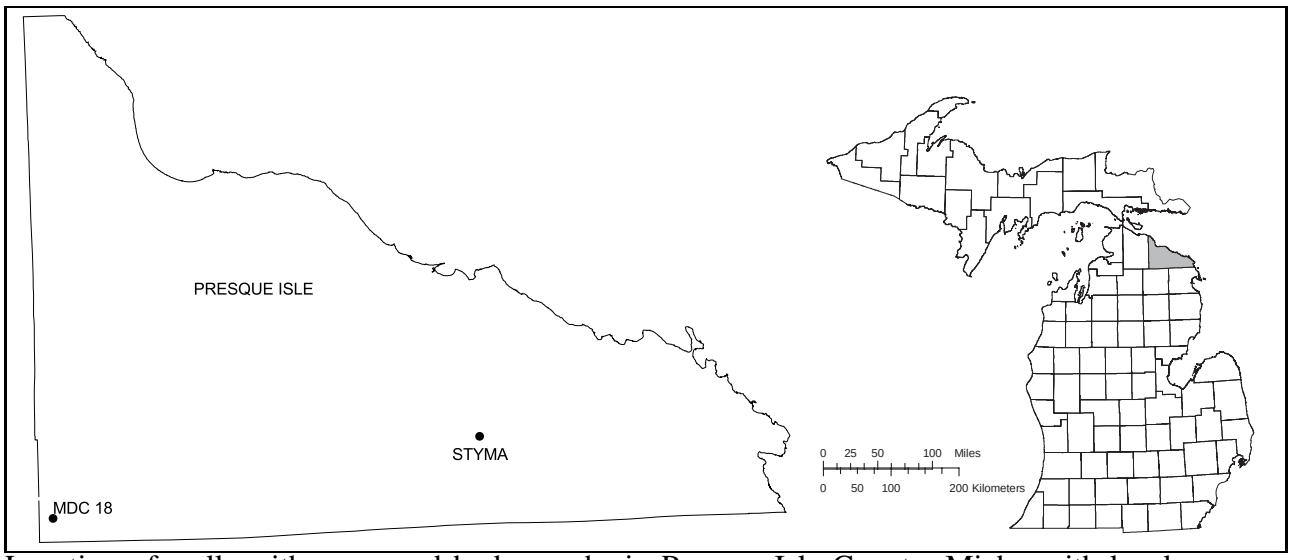
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 445920084425801
PERIOD OF RECORD, WATER YEARS 1979-2004, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 1308 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 90.0 FT, PRIMARY AQUIFER DESIGNATION:SAND
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

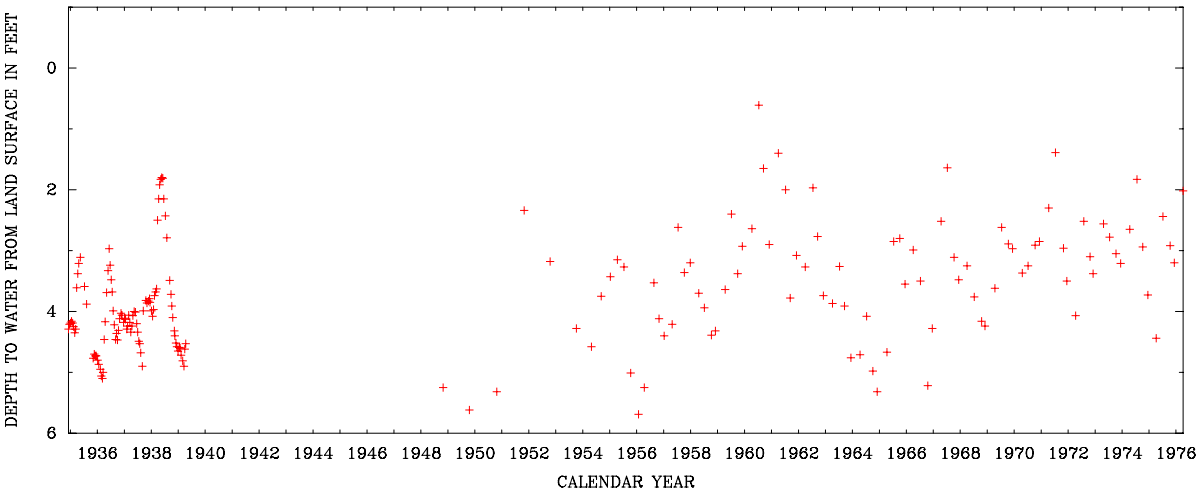
Presque Isle County



Location of wells with recovered hydrographs in Presque Isle County, Mich., with local name designation.

USGS STATION No.	USGS STATION NAME
451304084135101	33N 02E 30DACB01 PRESQUE ISLE CO (MDC 18)
451634083441801	33N 06E 08BBBB01 PRESQUE ISLE CO (STYMA)

33N 02E 30DACB01 PRESQUE ISLE CO (MDC 18)



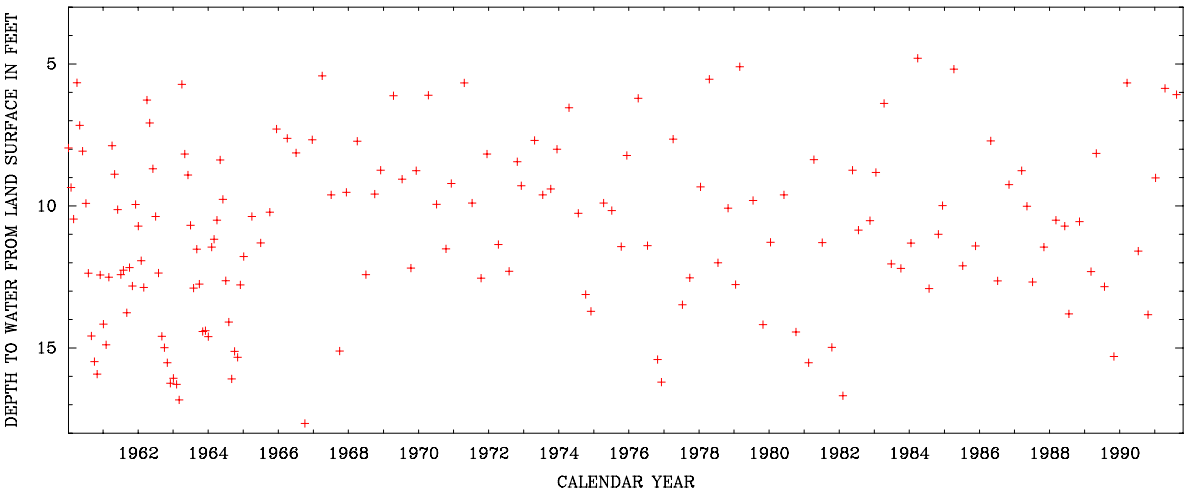
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 451304084135101
PERIOD OF RECORD, WATER YEARS 1935-1976, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 800 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 14 FT, PRIMARY AQUIFER DESIGNATION:GLACIAL DEPOSITS,UNDIFFERENTIATED
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

33N 06E 08BBBB01 PRESQUE ISLE CO (STYMA)



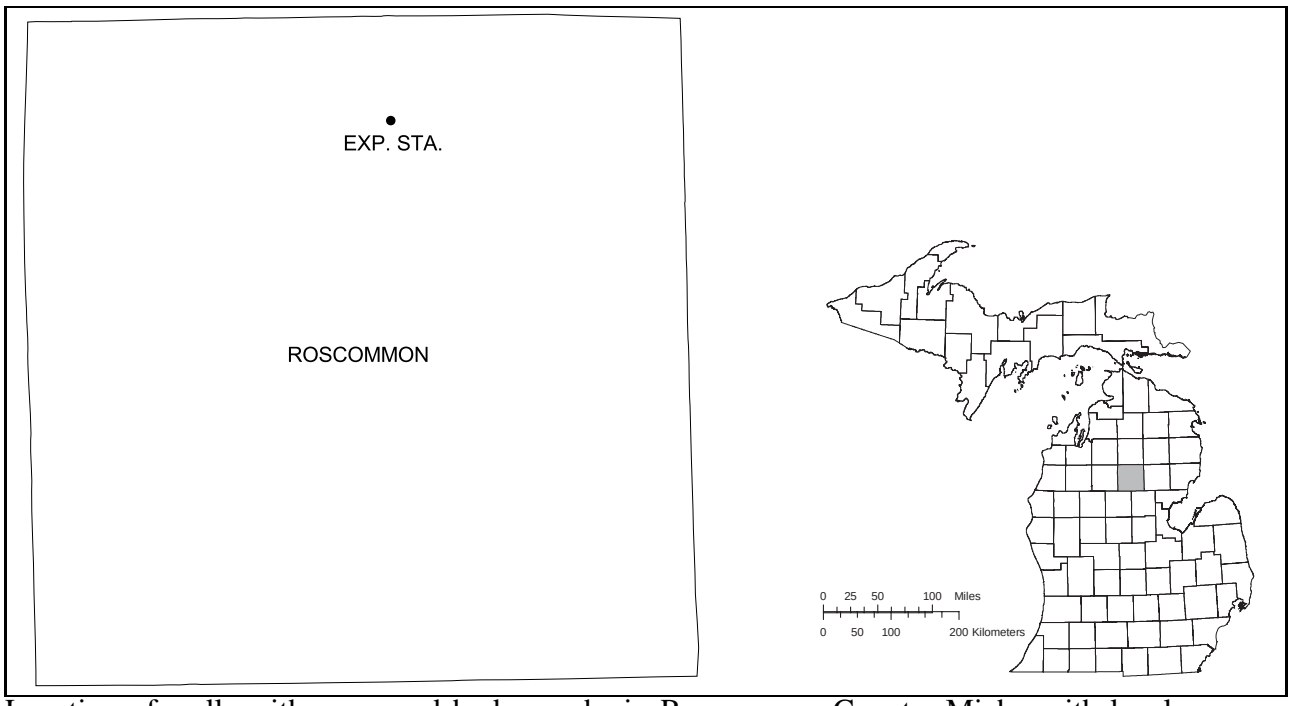
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 451634083441801
PERIOD OF RECORD, WATER YEARS 1960-1992, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 800 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 61 FT, PRIMARY AQUIFER DESIGNATION:TRAVERSE GROUP
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

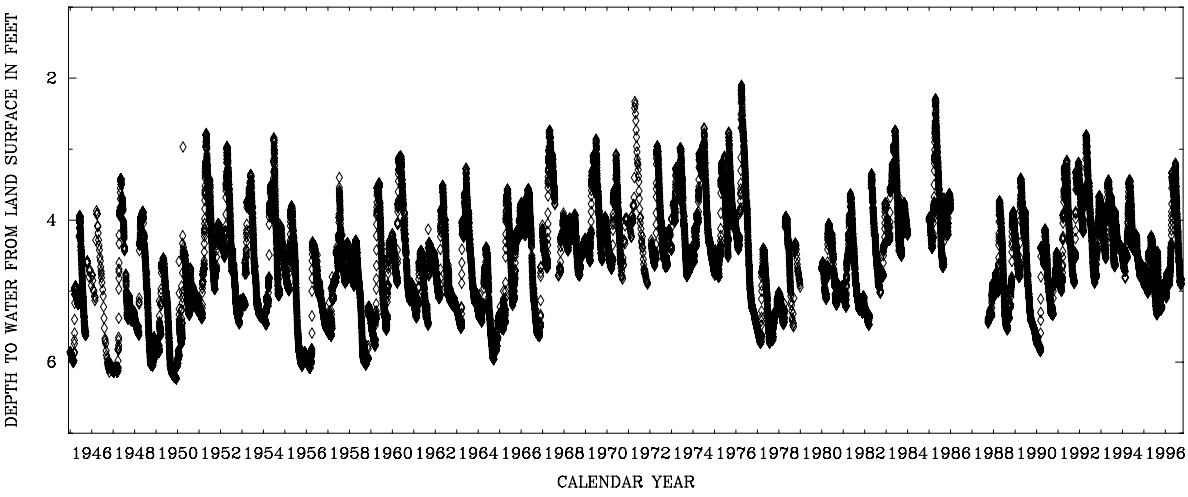
Roscommon County

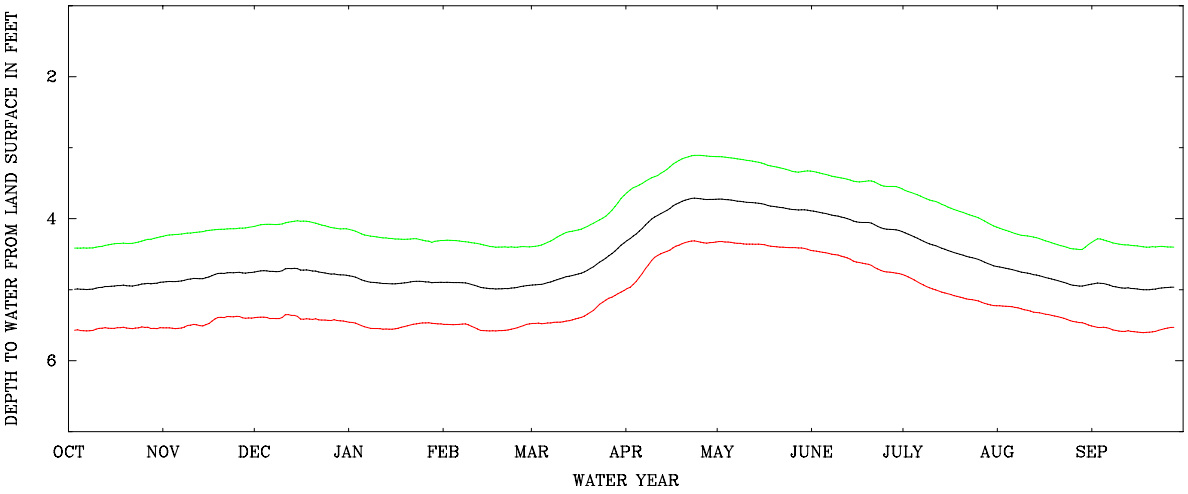


Location of wells with recovered hydrographs in Roscommon County, Mich., with local name designation.

USGS STATION No.	USGS STATION NAME
442722084350701	24N 02W 20BABA 01 ROSCOMMON CO. (EXP. STA.)

24N 02W 20BABA 01 ROSCOMMON CO. (EXP. STA.)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER

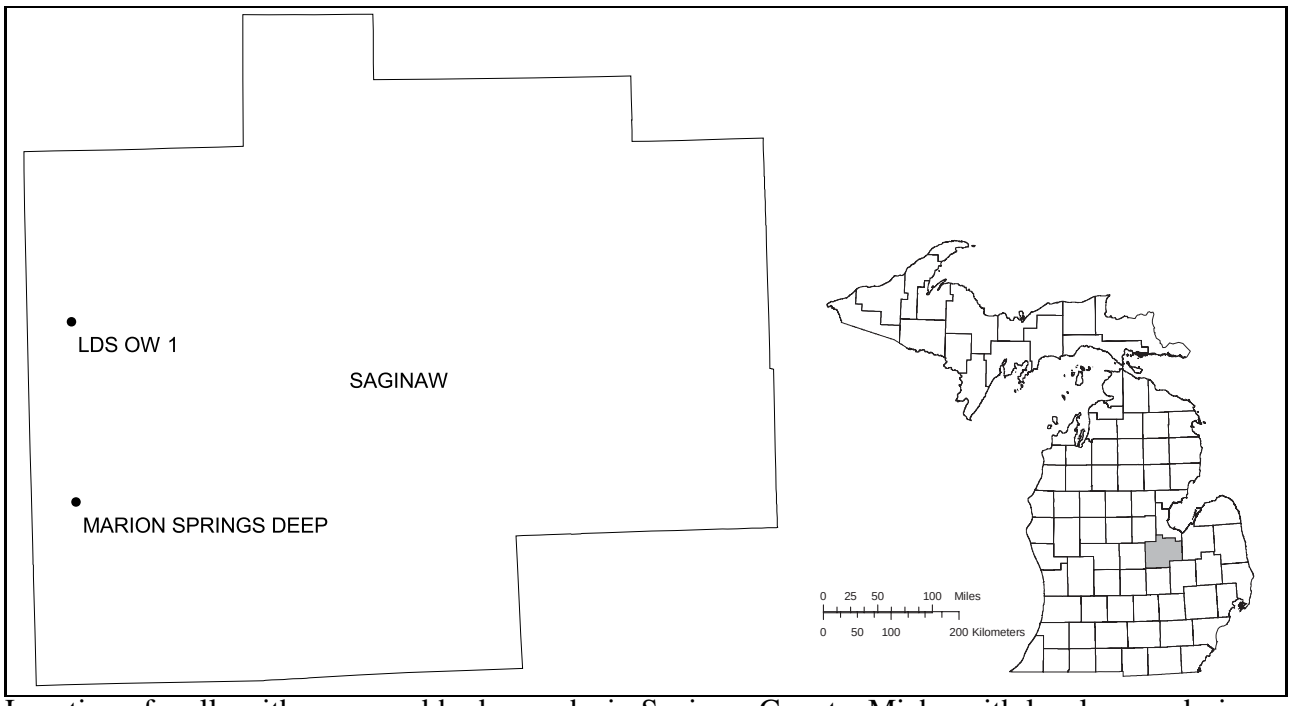
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 442722084350701
PERIOD OF ADAPS RECORD, WATER YEARS 1945-1996, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 1145.3 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 14 FT, PRIMARY AQUIFER DESIGNATION:OUTWASH
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

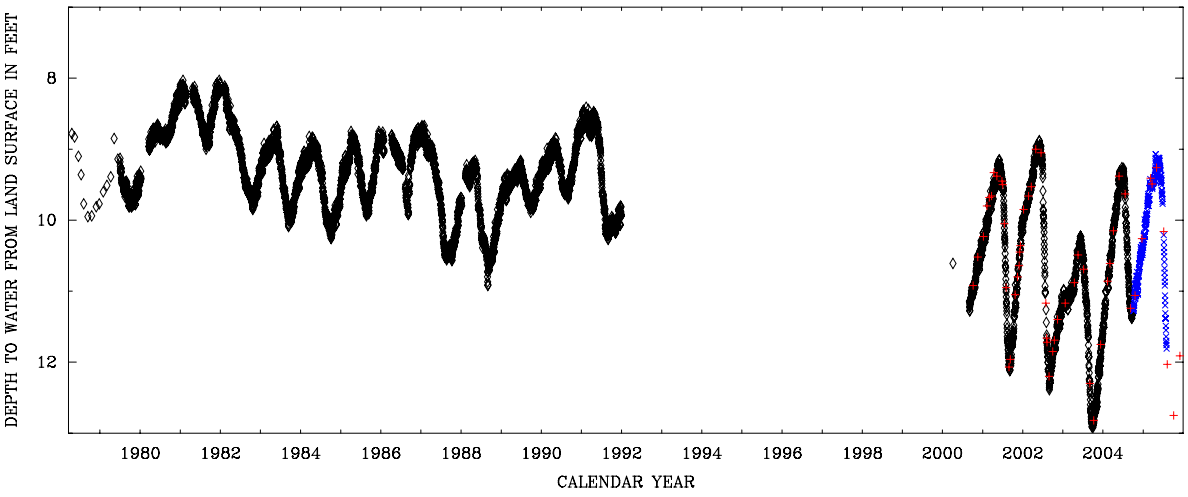
Saginaw County

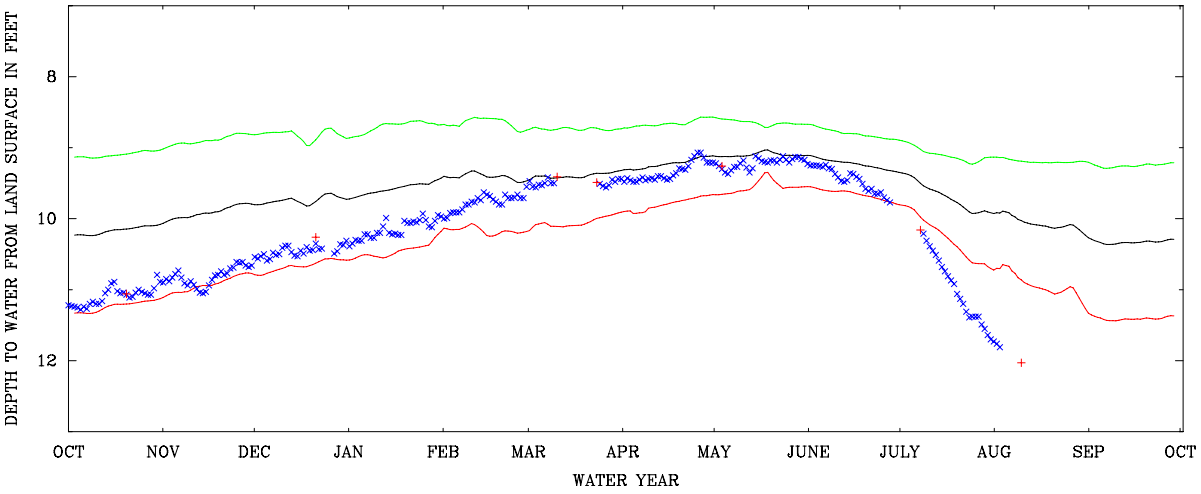


Location of wells with recovered hydrographs in Saginaw County, Mich., with local name designation.

USGS STATION No.	USGS STATION NAME
431457084194401	10N 01E 22DADA01 SAGINAW CO (MARION SPRINGS DEEP)
432206084194801	11N 01E 11CBBB01 SAGINAW CO (LDS OW 1)

10N 01E 22DADA01 SAGINAW CO (MARION SPRINGS DEEP)





EXPLANATION

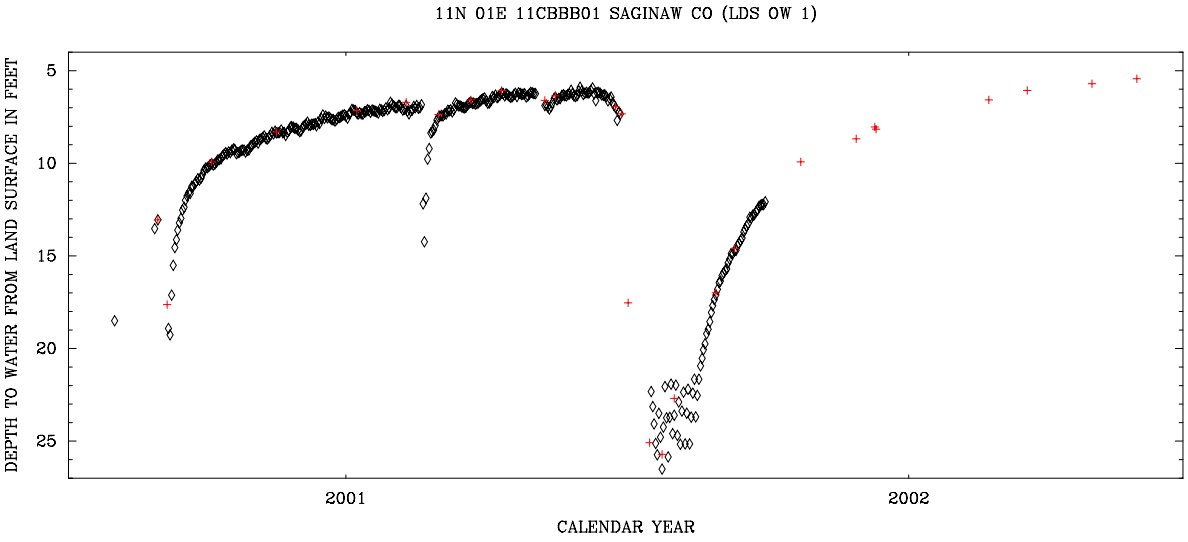
◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS
× 2005 DAILY MAXIMUM DEPTH TO WATER
PROVISIONAL DATA SUBJECT TO REVISION

AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 431457084194401
PERIOD OF ADAPS RECORD, WATER YEARS 1978-2005, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 657 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 210 FT, PRIMARY AQUIFER DESIGNATION:SAGINAW FORMATION
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903



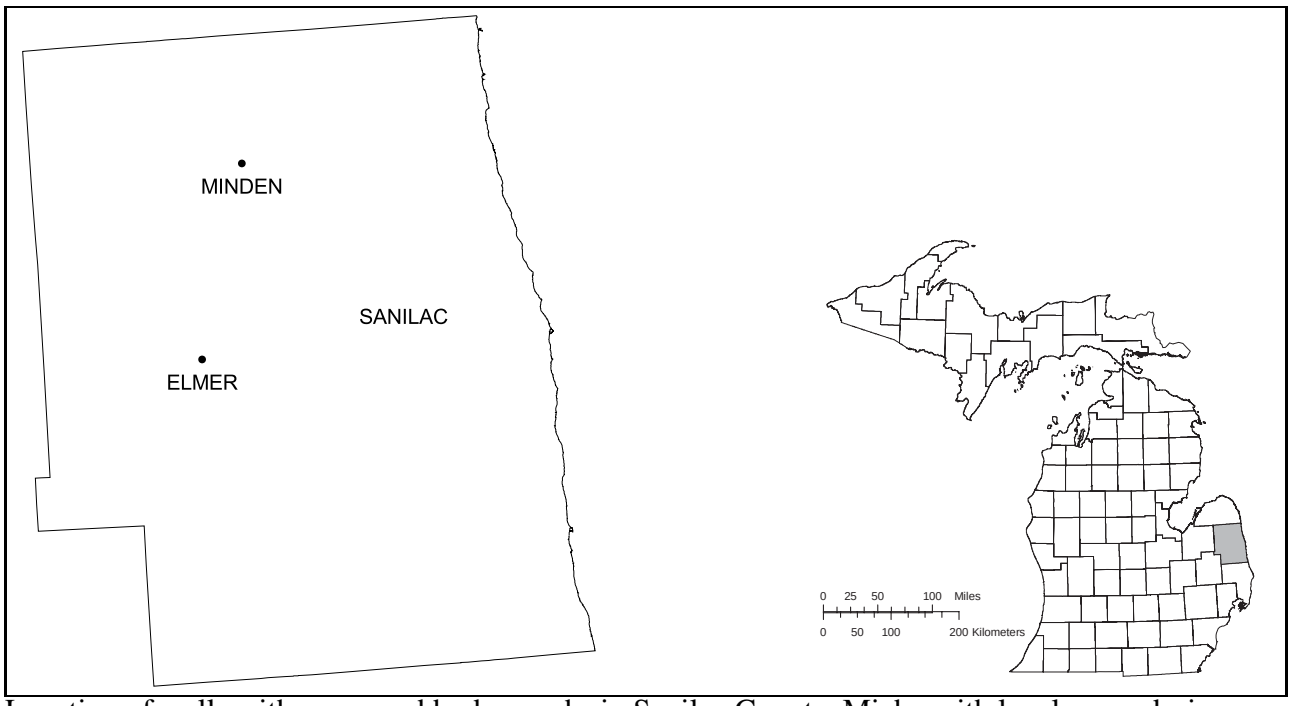
EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS

PERIOD OF ADAPS RECORD TOO SHORT TO GENERATE
MEANINGFUL WATER-YEAR SUMMARY

USGS STATION 432206084194801
PERIOD OF ADAPS RECORD, WATER YEARS 2000-2001, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 674 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 250 FT, PRIMARY AQUIFER DESIGNATION:
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

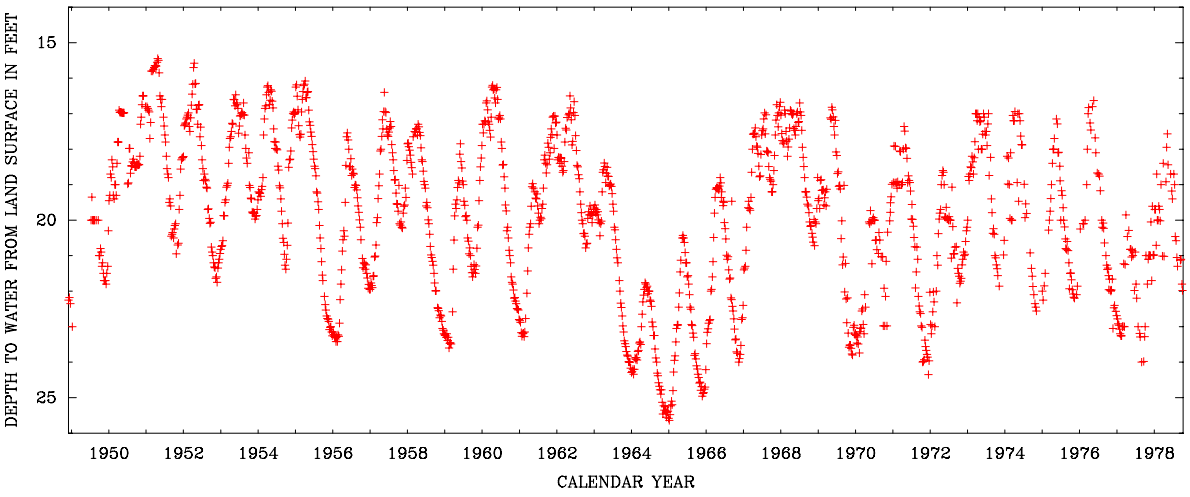
Sanilac County



Location of wells with recovered hydrographs in Sanilac County, Mich., with local name designation.

USGS STATION No.	USGS STATION NAME
432508082554501	12N 13E 33DDDD01 SANILAC CO (ELMER)
433439082523601	13N 13E 12ADAA01 SANILAC CO (MINDEN)

12N 13E 33DDDD01 SANILAC CO (ELMER)



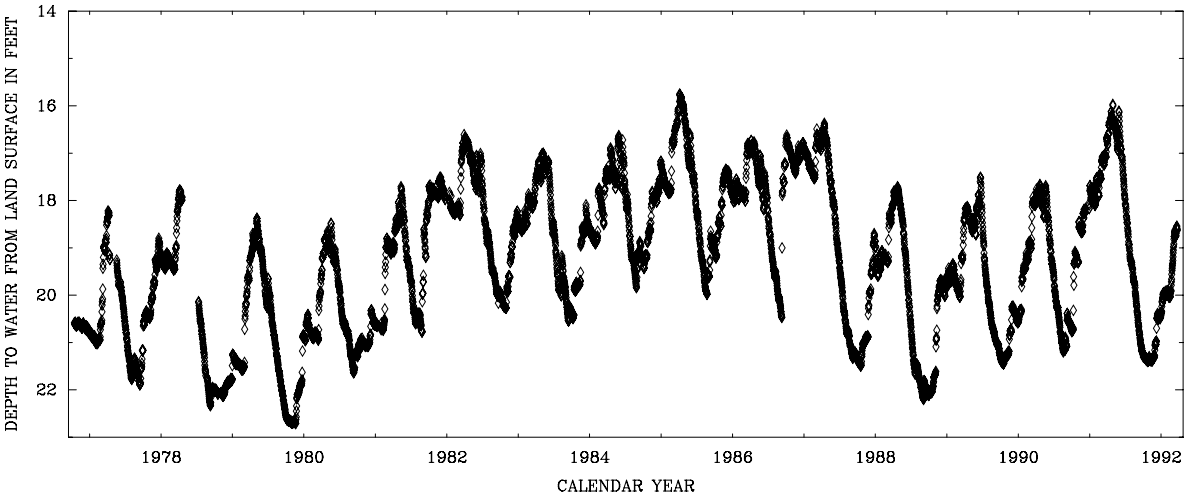
EXPLANATION

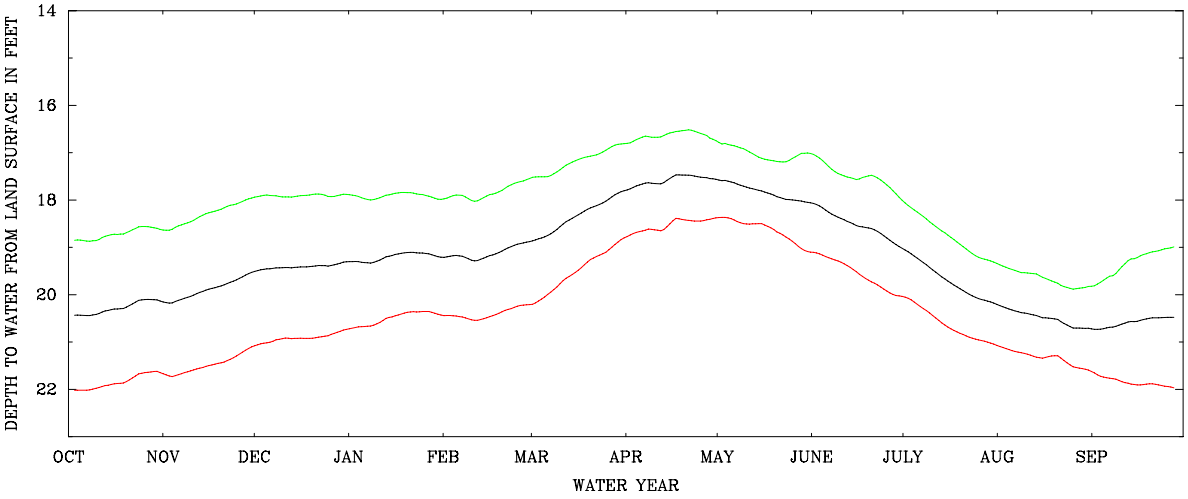
+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 432508082554501
PERIOD OF RECORD, WATER YEARS 1949-1979, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 800 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 150 FT, PRIMARY AQUIFER DESIGNATION:MARSHALL FORMATION
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

13N 13E 12ADAA01 SANILAC CO (MINDEN)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER

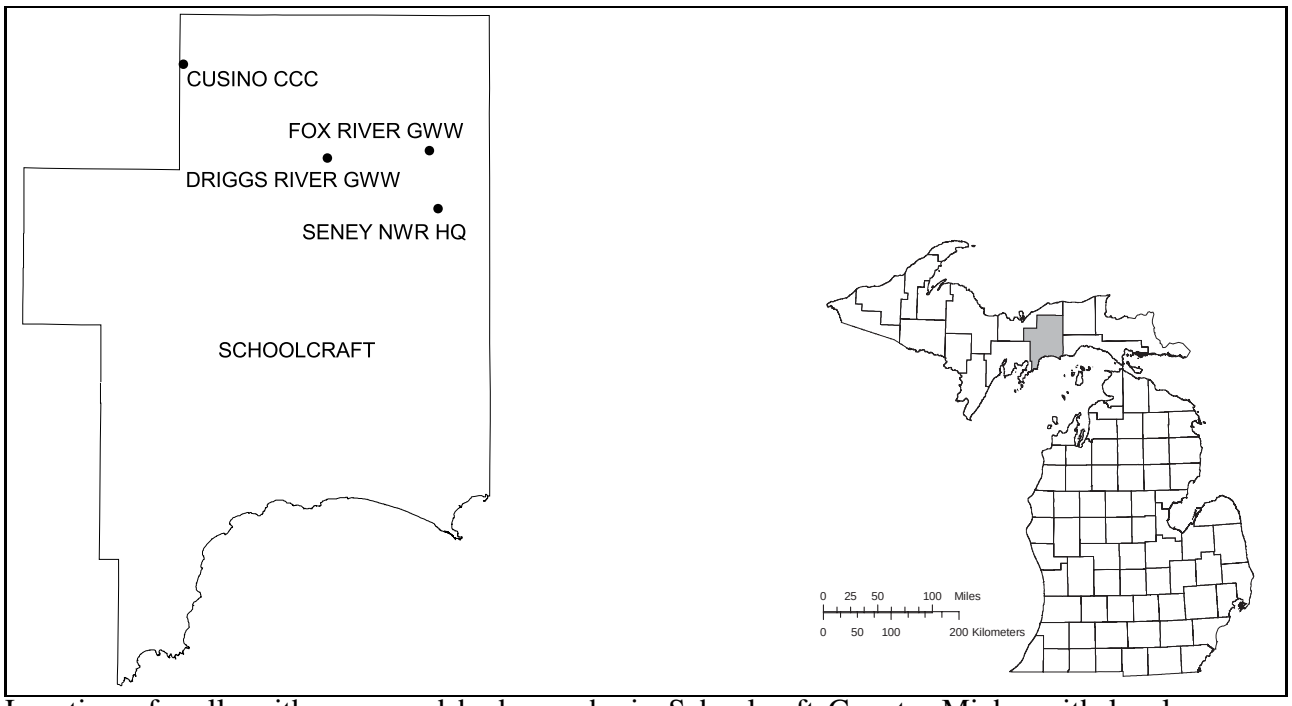
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 433439082523601
PERIOD OF ADAPS RECORD, WATER YEARS 1977-1992, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 805 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 130 FT, PRIMARY AQUIFER DESIGNATION:MARSHALL FORMATION
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

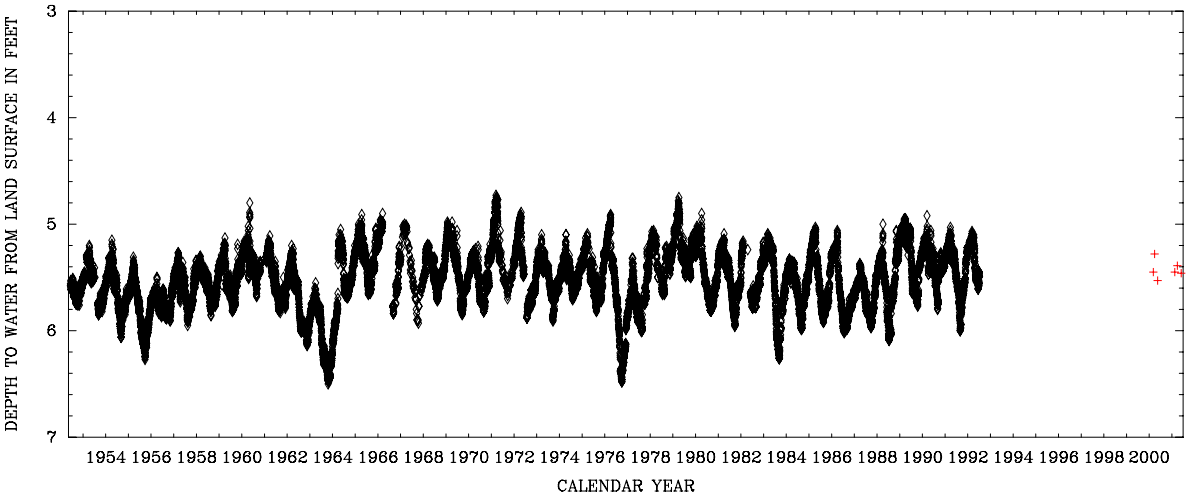
Schoolcraft County

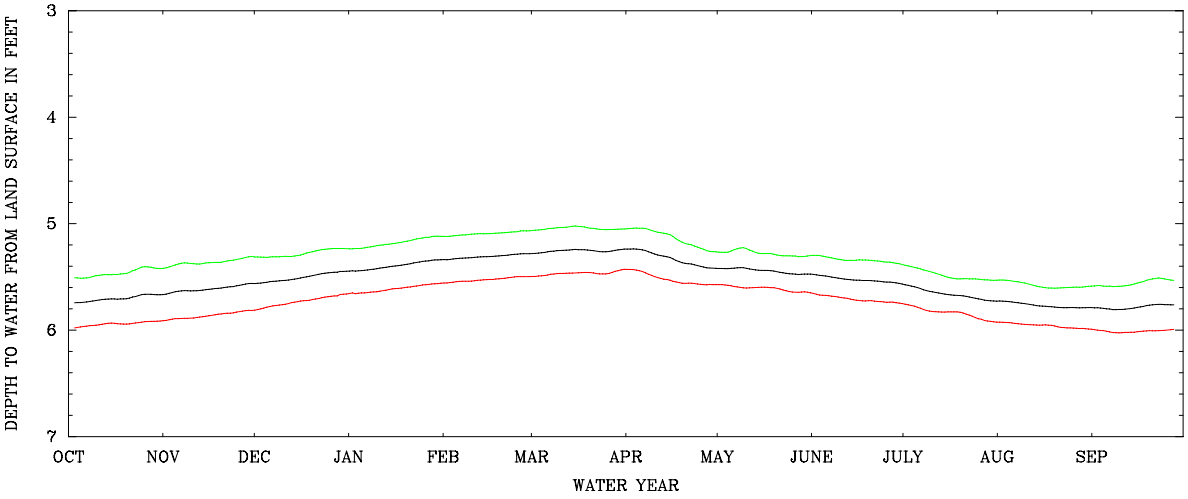


Location of wells with recovered hydrographs in Schoolcraft County, Mich., with local name designation.

USGS STATION No.	USGS STATION NAME
461720085565201	45N 13W 16CCCB01 SCHOOLCRAFT CO (SENEY NWR HQ)
462044086073601	46N 15W 25CD01 SCHOOLCRAFT CO (DRIGGS RIVER GWW)
462114085574401	46N 13W 29BD01 SCHOOLCRAFT CO (FOX RIVER GWW)
462651086214601	47N 16W 30BBBB01 SCHOOLCRAFT CO (CUSINO CCC WELL)

45N 13W 16CCCB01 SCHOOLCRAFT CO (SENEY NWR HQ)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER

\+ GWSI TAPE-DOWN MEASUREMENTS

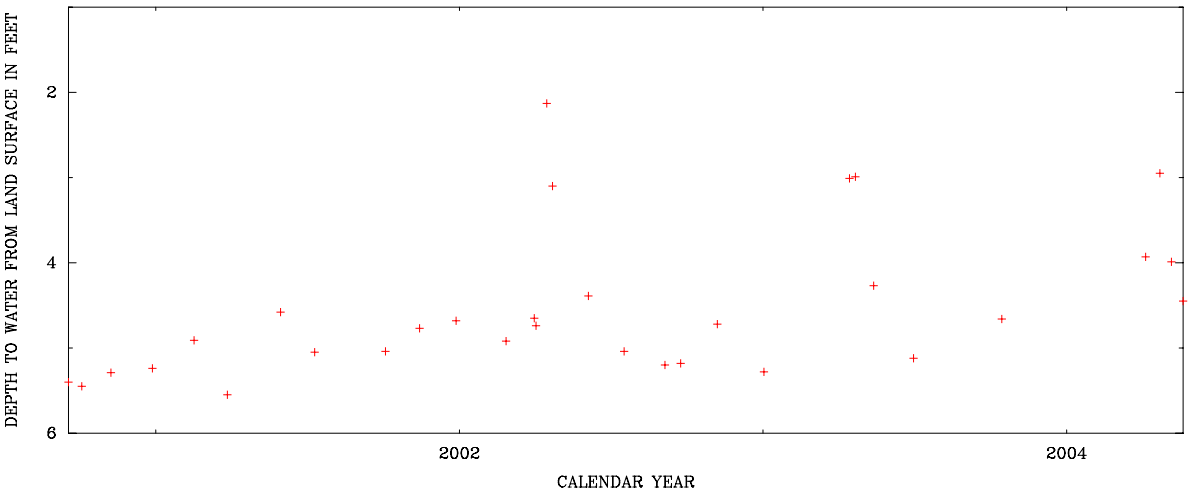
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 461720085565201
PERIOD OF ADAPS RECORD, WATER YEARS 1952-1992, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 710 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 154 FT, PRIMARY AQUIFER DESIGNATION:RICHMONDIAN STAGE
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

46N 15W 25CD01 SCHOOLCRAFT CO (DRIGGS RIVER GWW)

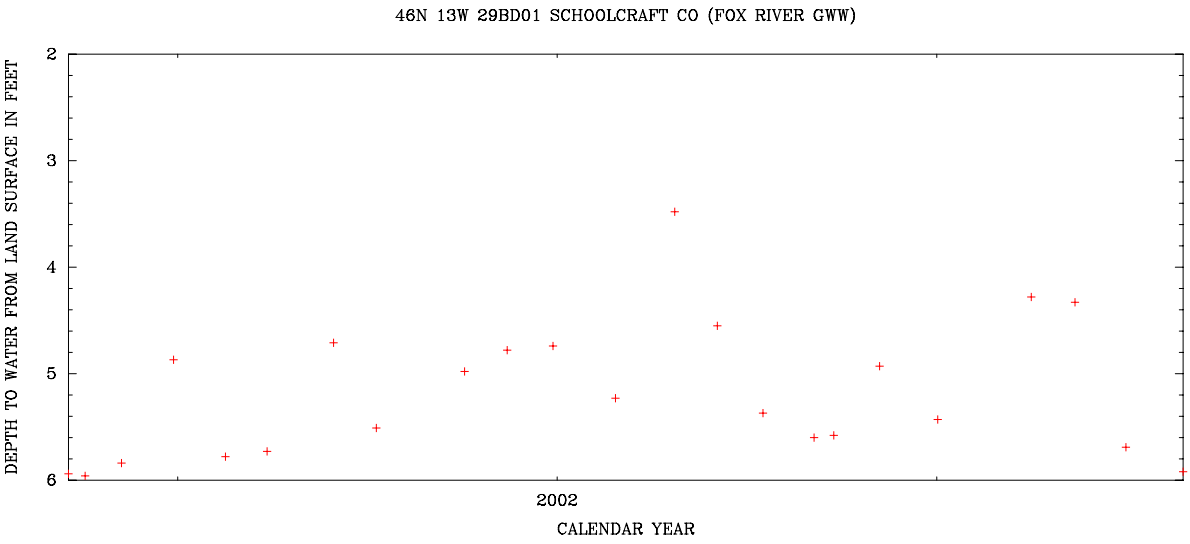


EXPLANATION

GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 462044086073601
PERIOD OF RECORD, WATER YEARS 2000-2004, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 758 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 10.00 FT, PRIMARY AQUIFER DESIGNATION:GLACIAL DEPOSITS,UNDIFFERENTIATED
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903



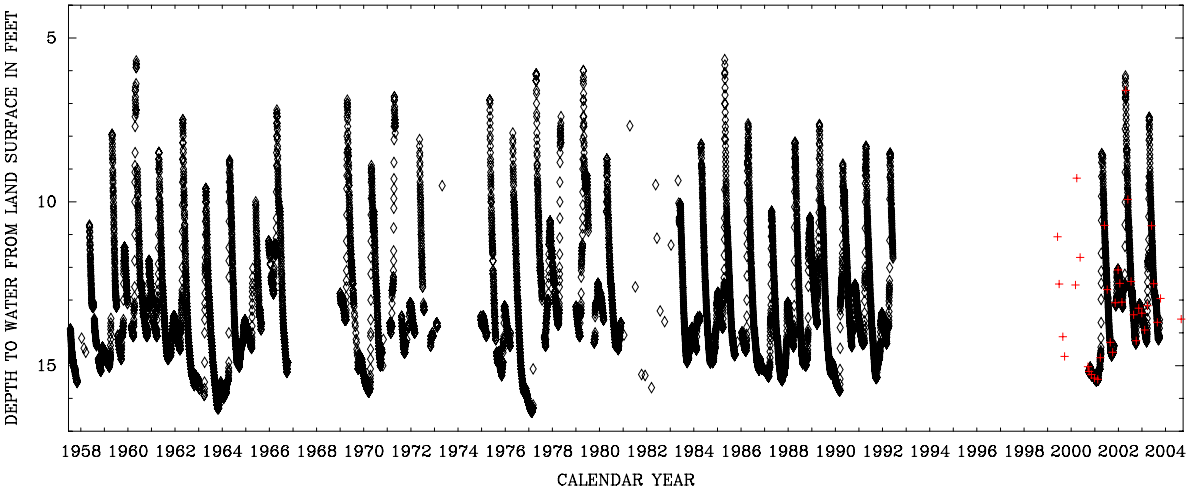
EXPLANATION

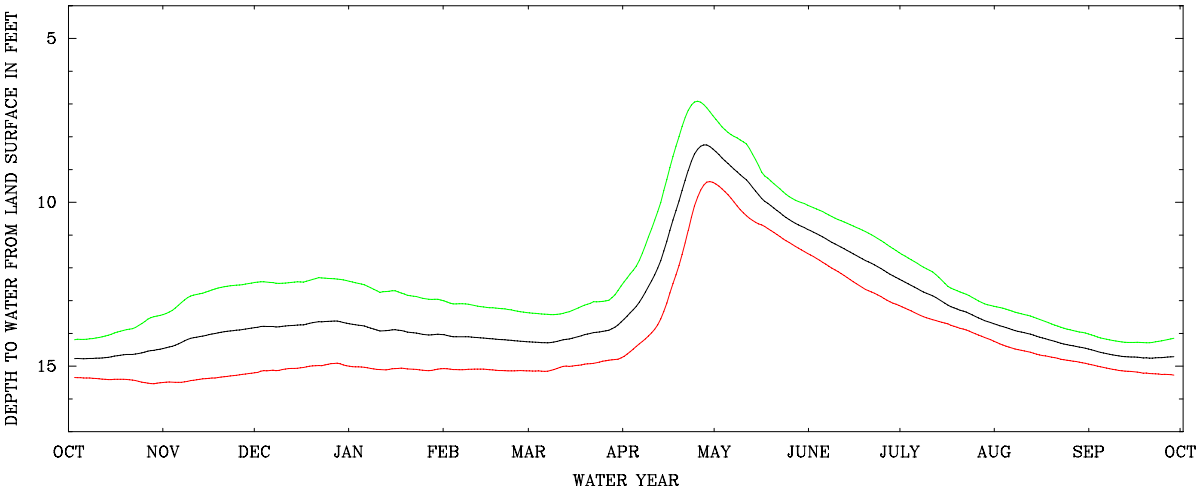
+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 462114085574401
PERIOD OF RECORD, WATER YEARS 2000-2003, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 740 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 10.00 FT, PRIMARY AQUIFER DESIGNATION:GLACIAL DEPOSITS,UNDIFFERENTIATED
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

47N 16W 30BBBB01 SCHOOLCRAFT CO (CUSINO CCC WELL)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER

\+ GWSI TAPE-DOWN MEASUREMENTS

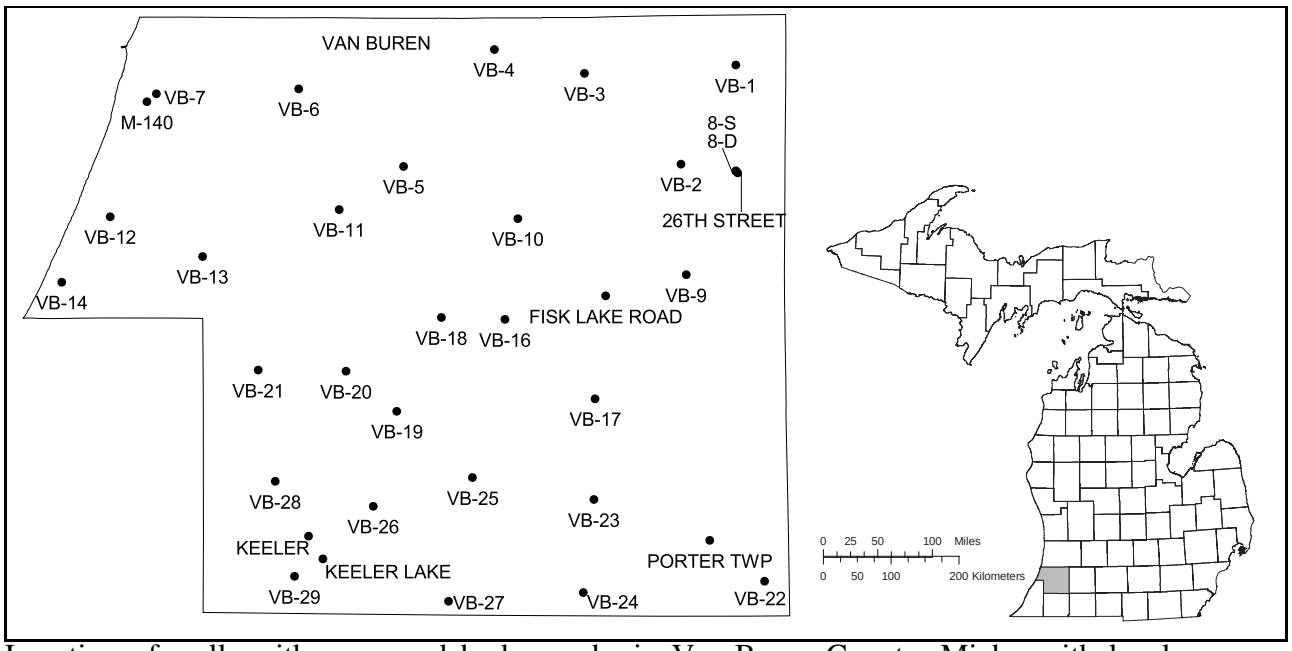
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 462651086214601
PERIOD OF ADAPS RECORD, WATER YEARS 1957-2003, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 900 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 57 FT, PRIMARY AQUIFER DESIGNATION:PRAIRIE DU CHIEN GROUP
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

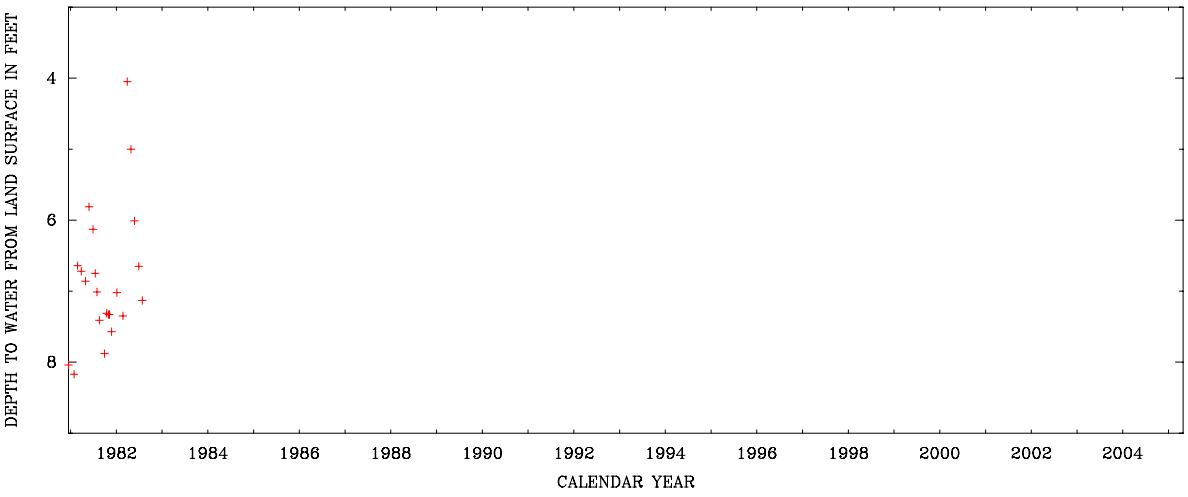
Van Buren County



Location of wells with recovered hydrographs in Van Buren County, Mich., with local name designation.

USGS STATION No.	USGS STATION NAME
420440086014901	04S 15W 35BCCC01 VAN BUREN CO (VB-27)
420459085552901	04S 14W 34ABBA01 VAN BUREN CO (VB-24)
420519085465801	04S 13W 26DAAD01 VAN BUREN CO (VB-22)
420532086090201	04S 16W 27DABB01 VAN BUREN CO (VB-29)
420613086074501	04S 16W 23 DD01 VAN BUREN CO (KEELER LAKE)
420648085493201	04S 13W 16DDCC01 VAN BUREN CO (PORTER TWP)
420658086082501	04S 16W 14CDBD01 VAN BUREN CO (KEELER)
420801086052301	04S 15W 07DADA01 VAN BUREN CO (VB-26)
420815085545901	04S 14W 11BCBB01 VAN BUREN CO (VB-23)
420853086100001	04S 16W 04DADD01 VAN BUREN CO (VB-28)
420859086004101	04S 15W 01BCCC01 VAN BUREN CO (VB-25)
421121086041601	03S 15W 20DDAA01 VAN BUREN CO (VB-19)
421147085545501	03S 14W 23BCBA01 VAN BUREN CO (VB-17)
421245086064001	03S 16W 13AACD01 VAN BUREN CO (VB-20)
421247086104801	03S 16W 16BABC01 VAN BUREN CO (VB-21)
421434085591001	03S 14W 06BAAD01 VAN BUREN CO (VB-16)
421438086021001	02S 15W 34DDCC01 VAN BUREN CO (VB-18)
421523085542501	02S 14W 35ABCC01 VAN BUREN CO (FISK LAKE ROAD)
421551086200501	02S 17W 30CABB01 VAN BUREN CO (VB-14)
421607085503701	02S 13W 28BCBB01 VAN BUREN CO (VB-9)
421645086132701	02S 17W 24DAAA01 VAN BUREN CO (VB-13)
421804085583501	02S 14W 18AAAA01 VAN BUREN CO (VB-10)
421809086174801	02S 17W 09CCDA01 VAN BUREN CO (VB-12)
421825086070001	02S 16W 12DBBD01 VAN BUREN CO (VB-11)
421945085481001	02S 13W 02BBCD01 VAN BUREN CO (26TH STREET)
421945085481501	02S 13W 02BBCB01 VAN BUREN CO (8-D WELL)
421945085481502	02S 13W 02BBCB02 VAN BUREN CO (8-S WELL)
421955086040101	01S 15W 33CDCC01 VAN BUREN CO (VB-5)
422000085505101	01S 13W 32DDCB01 VAN BUREN CO (VB-2)
422211086160501	01S 17W 22ADBB01 VAN BUREN CO (M-140)
422227086154201	01S 17W 23BBBA01 VAN BUREN CO (VB-7)
422235086085401	01S 16W 14CCCB01 VAN BUREN CO (VB-6)
422311085552401	01S 14W 15ACAA01 VAN BUREN CO (VB-3)
422328085481501	01S 13W 10DDDA01 VAN BUREN CO (VB-1)
422402085594001	01S 15W 12ADAA01 VAN BUREN CO (VB-4)

04S 15W 35BCCC01 VAN BUREN CO (VB-27)

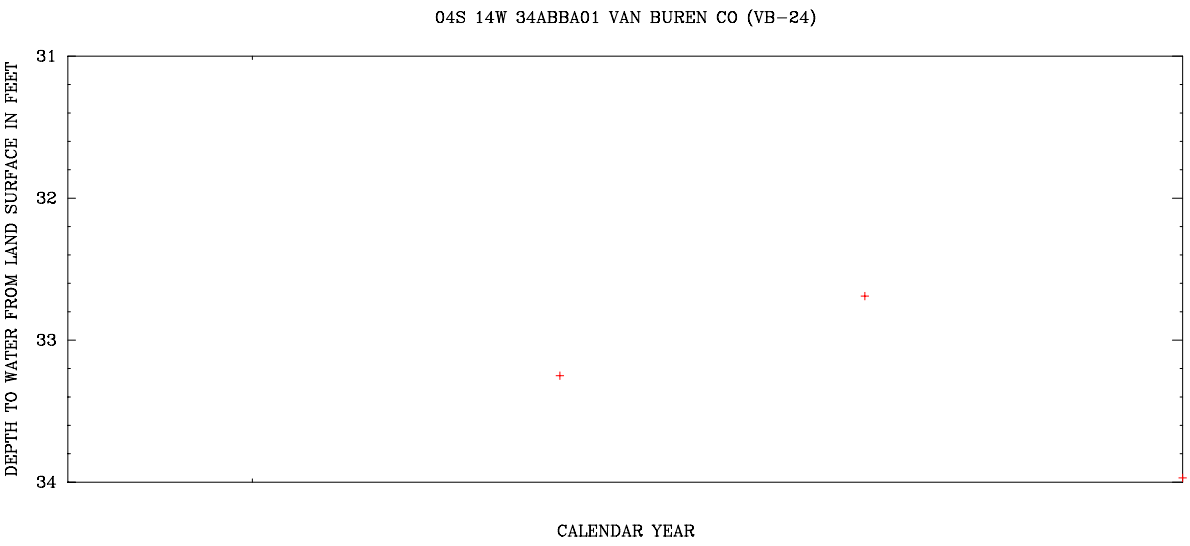


EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 420440086014901
PERIOD OF RECORD, WATER YEARS 1981-2005, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 740 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 44 FT, PRIMARY AQUIFER DESIGNATION:SAND AND GRAVEL
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

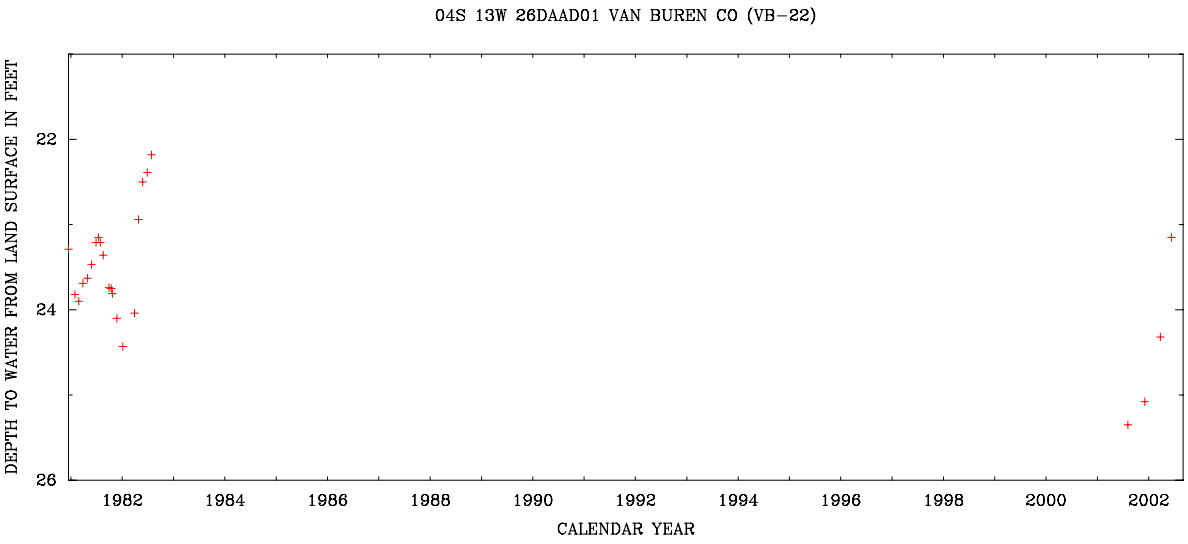


EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 420459085552901
PERIOD OF RECORD, WATER YEARS 1981-1981, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 800 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 44 FT, PRIMARY AQUIFER DESIGNATION:SAND, GRAVEL, AND CLAY
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

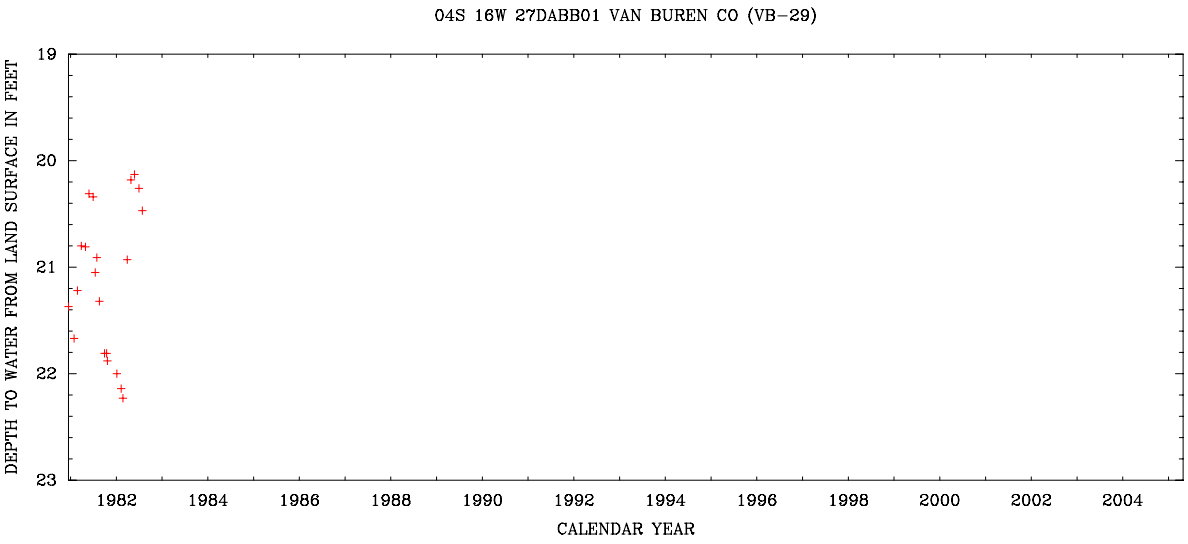


EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 420519085465801
PERIOD OF RECORD, WATER YEARS 1981-2002, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 920 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 72 FT, PRIMARY AQUIFER DESIGNATION:SAND AND GRAVEL
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903



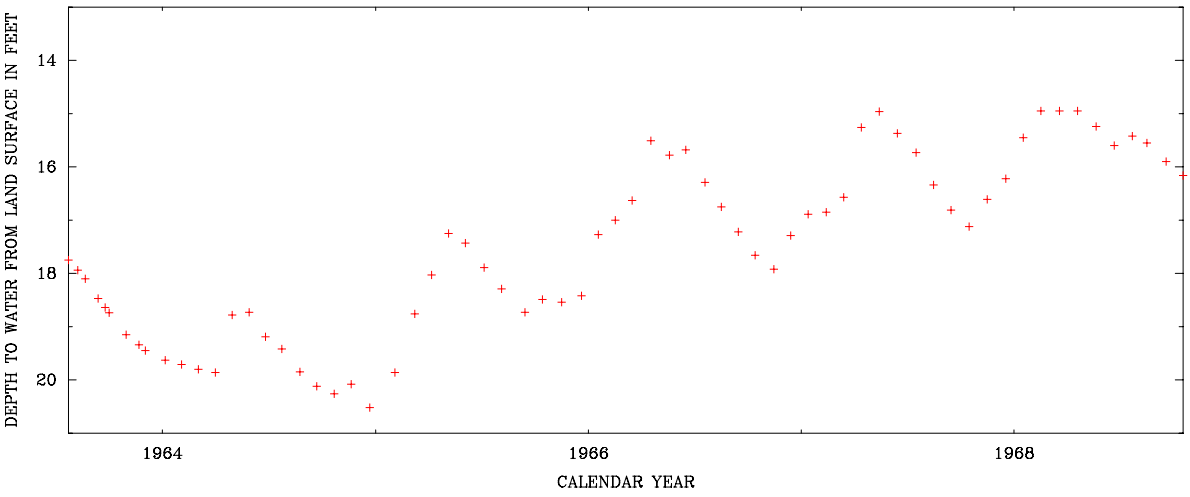
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 420532086090201
PERIOD OF RECORD, WATER YEARS 1981-2005, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 800 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 93 FT, PRIMARY AQUIFER DESIGNATION:SAND
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

04S 16W 23 DD01 VAN BUREN CO (KEELER LAKE)



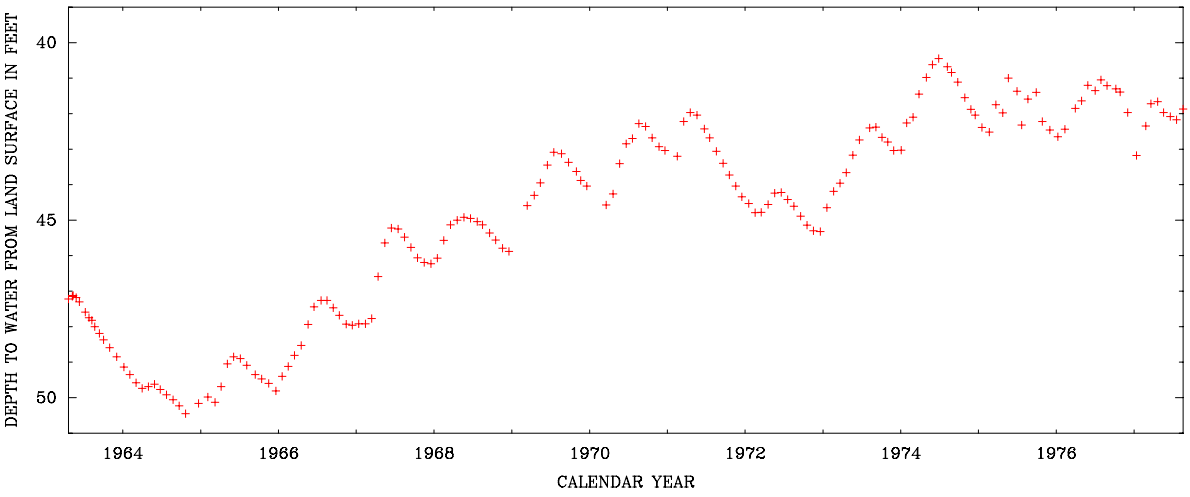
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 420613086074501
PERIOD OF RECORD, WATER YEARS 1963-1969, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 790 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 24 FT, PRIMARY AQUIFER DESIGNATION:GLACIAL DEPOSITS,UNDIFFERENTIATED
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

04S 13W 16DDCC01 VAN BUREN CO (PORTER TWP)



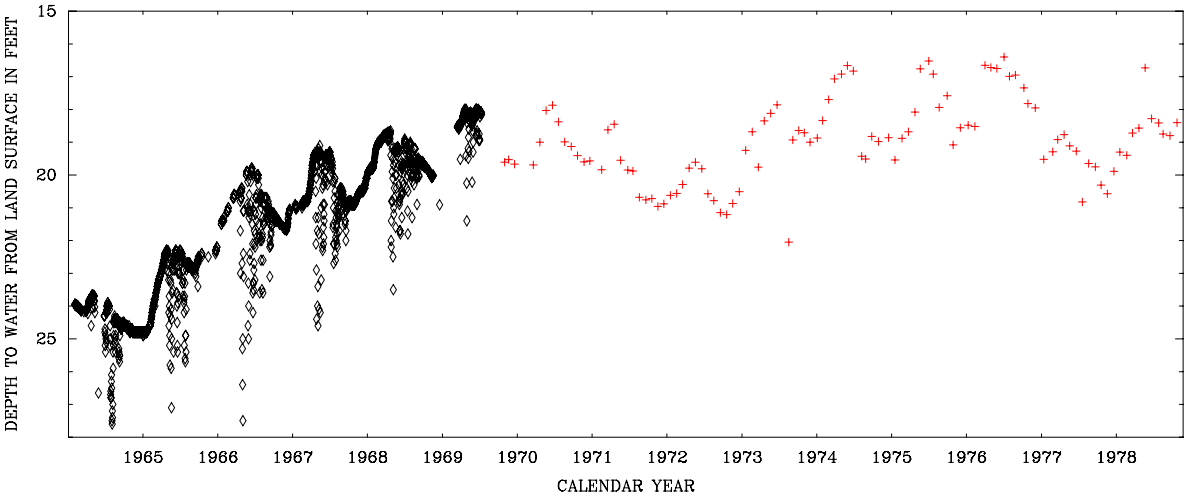
EXPLANATION

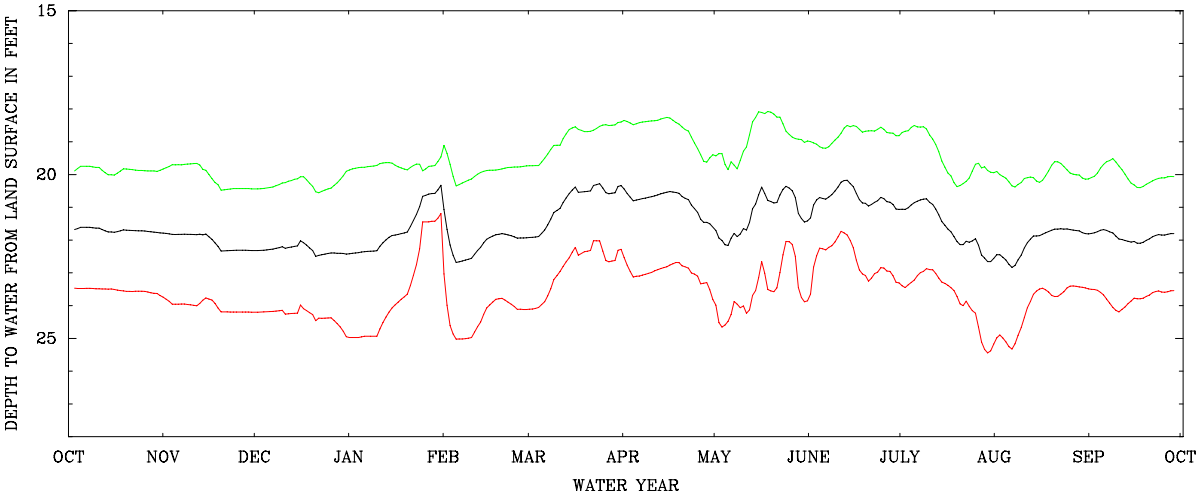
\+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 420648085493201
PERIOD OF RECORD, WATER YEARS 1963-1977, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 930 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 83 FT, PRIMARY AQUIFER DESIGNATION:GLACIAL DEPOSITS,UNDIFFERENTIATED
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

04S 16W 14CDBD01 VAN BUREN CO (KEELER)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER

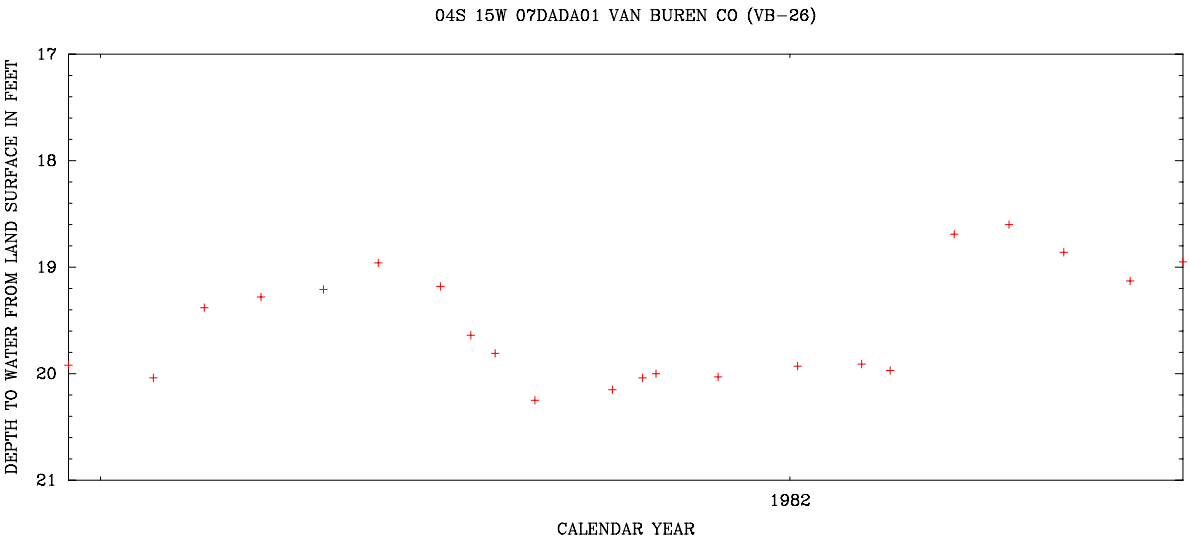
\+ GWSI TAPE-DOWN MEASUREMENTS

AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 420658086082501
PERIOD OF ADAPS RECORD, WATER YEARS 1964-1969, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 800 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 170 FT, PRIMARY AQUIFER DESIGNATION:SAND
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903



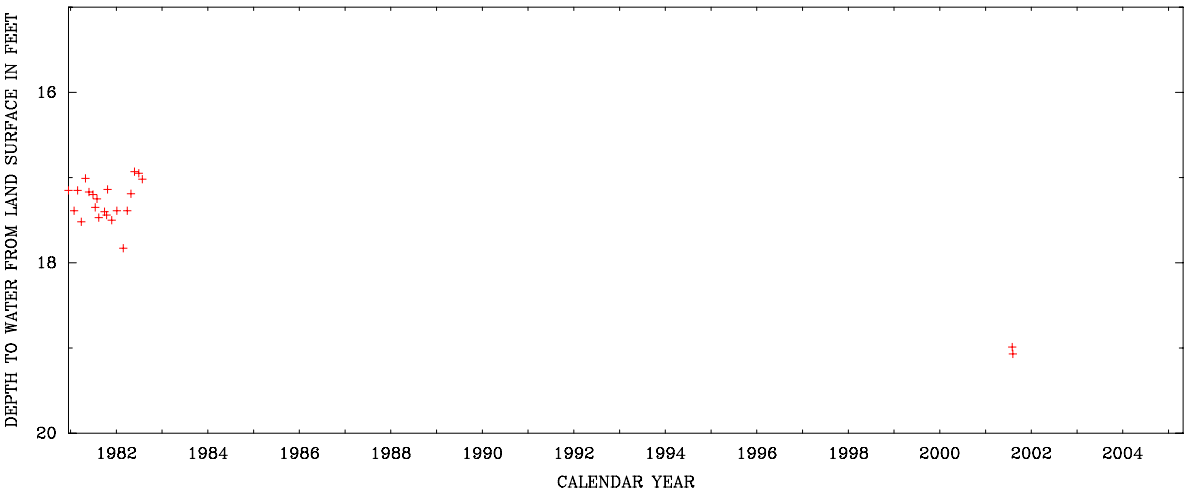
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 420801086052301
PERIOD OF RECORD, WATER YEARS 1981-1982, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 780 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 65 FT, PRIMARY AQUIFER DESIGNATION:SAND AND GRAVEL
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

04S 14W 11BCBB01 VAN BUREN CO (VB-23)

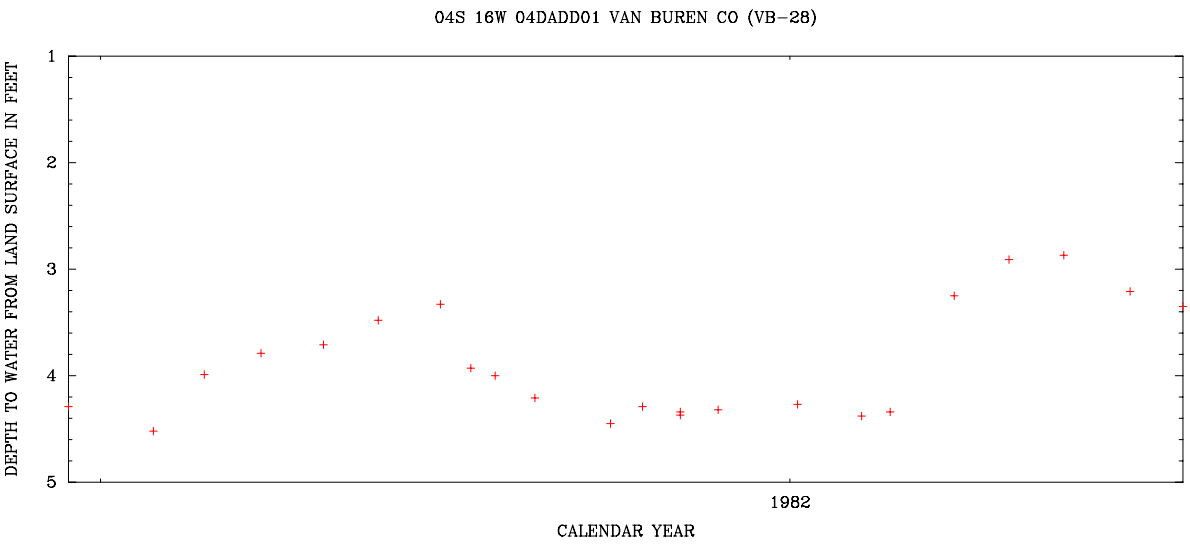


EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 420815085545901
PERIOD OF RECORD, WATER YEARS 1981-2005, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 760 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 78 FT, PRIMARY AQUIFER DESIGNATION:GRAVEL
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

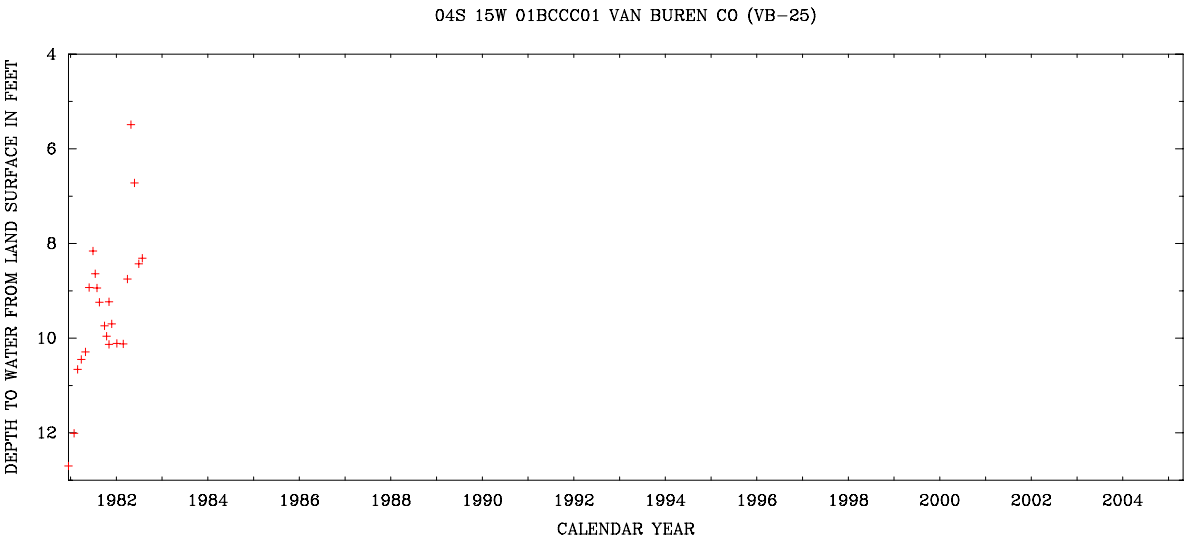


EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 420853086100001
PERIOD OF RECORD, WATER YEARS 1981-1982, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 760 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 65 FT, PRIMARY AQUIFER DESIGNATION:SAND AND GRAVEL
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

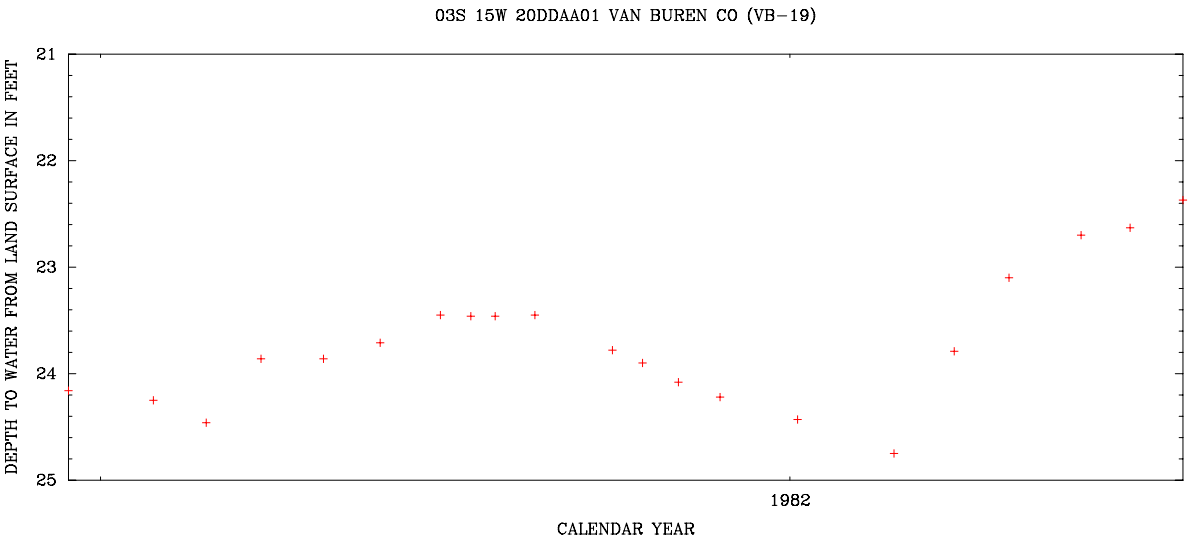


EXPLANATION

GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 420859086004101
PERIOD OF RECORD, WATER YEARS 1981-2005, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 780 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 44 FT, PRIMARY AQUIFER DESIGNATION:SAND, GRAVEL, AND CLAY
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

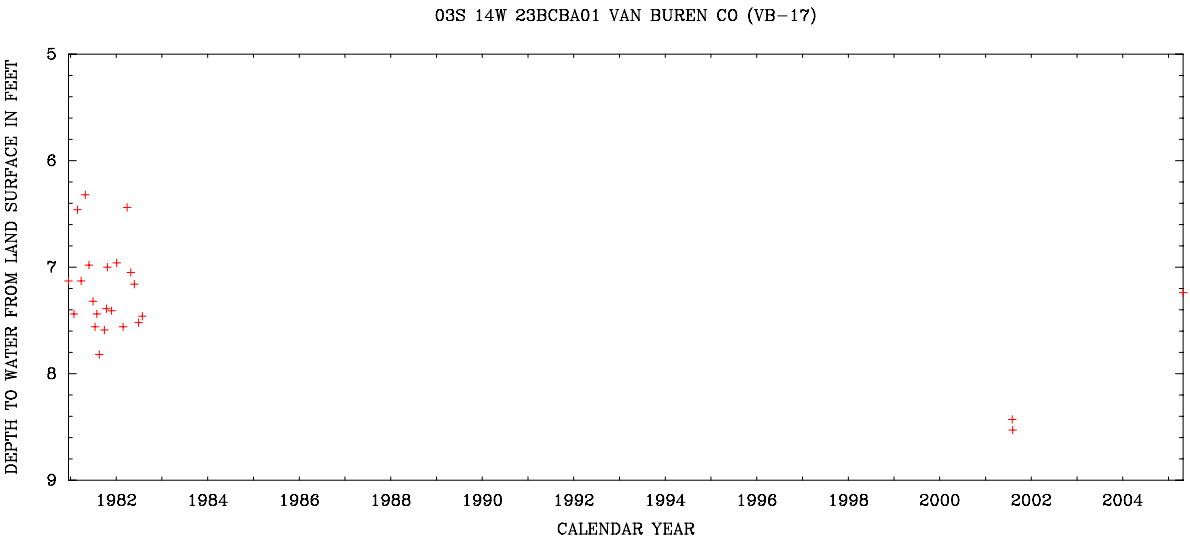


EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 421121086041601
PERIOD OF RECORD, WATER YEARS 1981-1982, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 780 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 47 FT, PRIMARY AQUIFER DESIGNATION:SAND AND GRAVEL
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

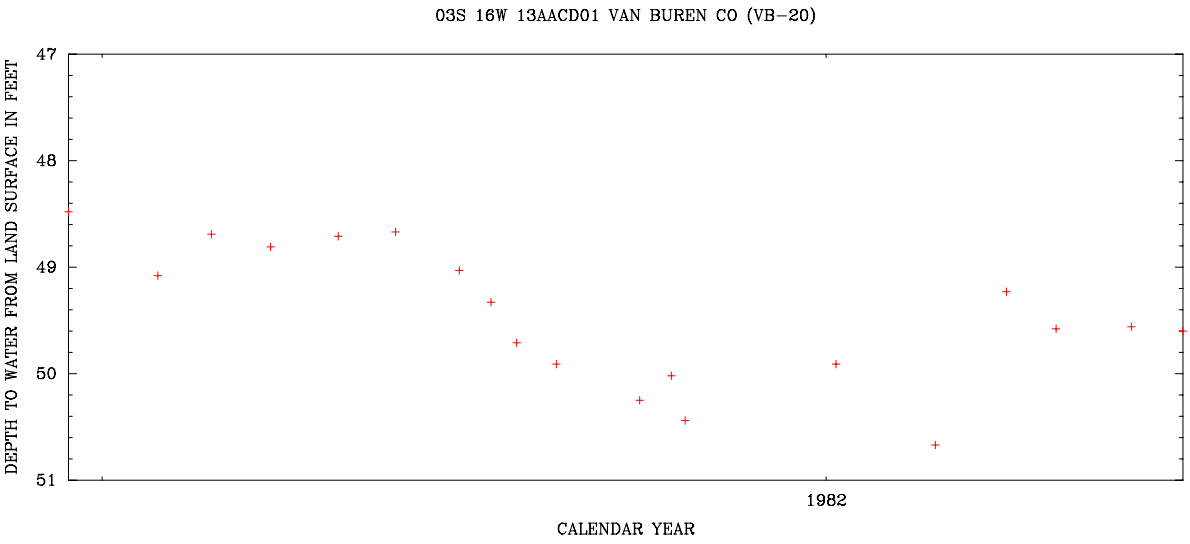


EXPLANATION

GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 421147085545501
PERIOD OF RECORD, WATER YEARS 1981-2005, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 740 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 50 FT, PRIMARY AQUIFER DESIGNATION:SAND AND GRAVEL
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

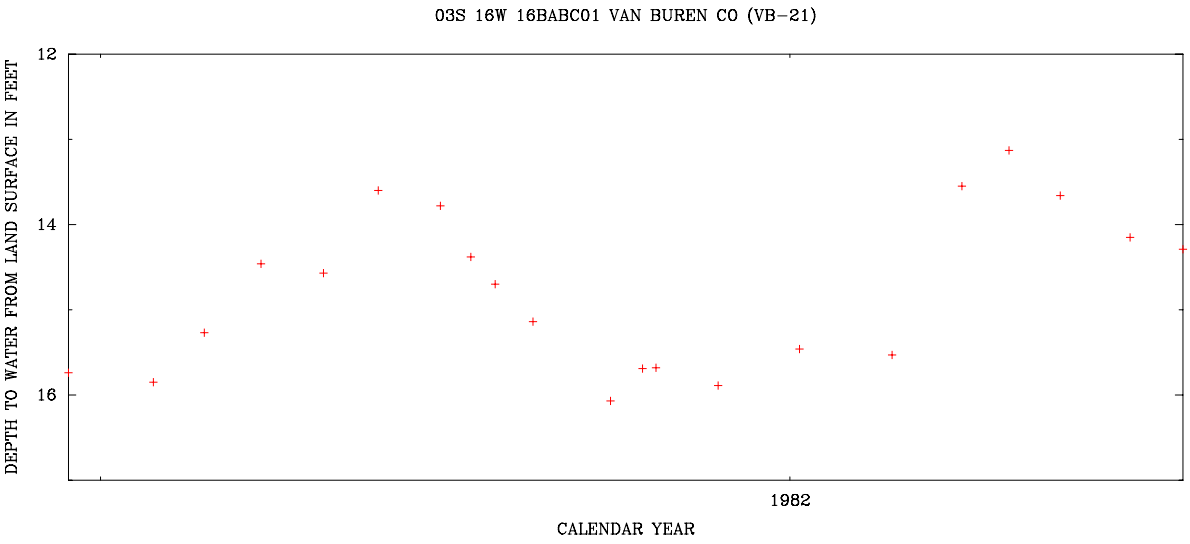


EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 421245086064001
PERIOD OF RECORD, WATER YEARS 1981-1982, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 740 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 90 FT, PRIMARY AQUIFER DESIGNATION:SAND AND GRAVEL
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

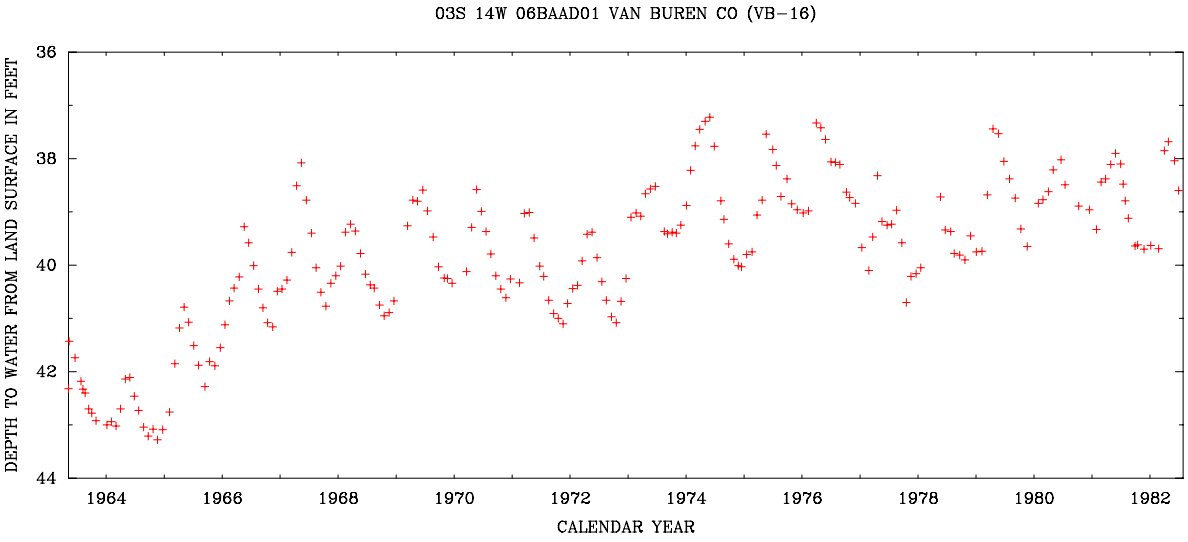


EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 421247086104801
PERIOD OF RECORD, WATER YEARS 1981-1982, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 660 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 44 FT, PRIMARY AQUIFER DESIGNATION:SAND AND GRAVEL
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

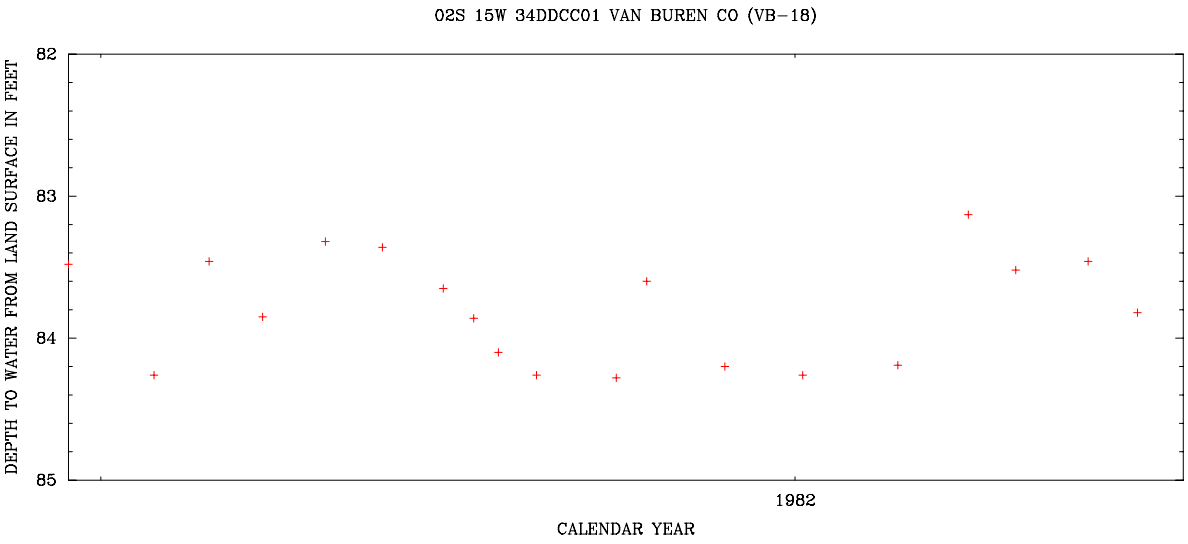


EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 421434085591001
PERIOD OF RECORD, WATER YEARS 1963-1982, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 740 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 59 FT, PRIMARY AQUIFER DESIGNATION:GLACIAL DEPOSITS,UNDIFFERENTIATED
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903



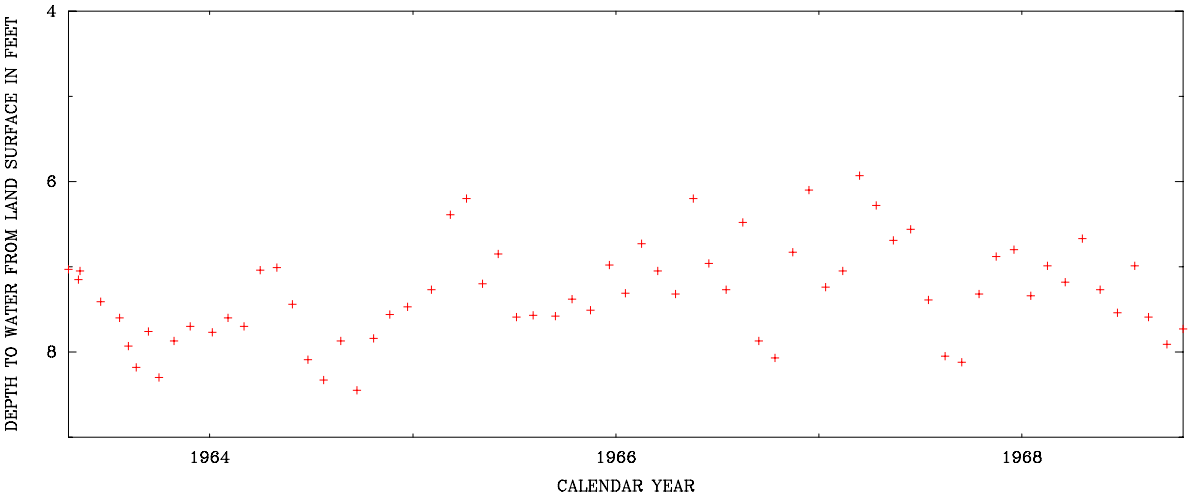
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 421438086021001
PERIOD OF RECORD, WATER YEARS 1981-1982, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 760 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 120 FT, PRIMARY AQUIFER DESIGNATION:SAND AND GRAVEL
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

02S 14W 35ABCC01 VAN BUREN CO (FISK LAKE ROAD)

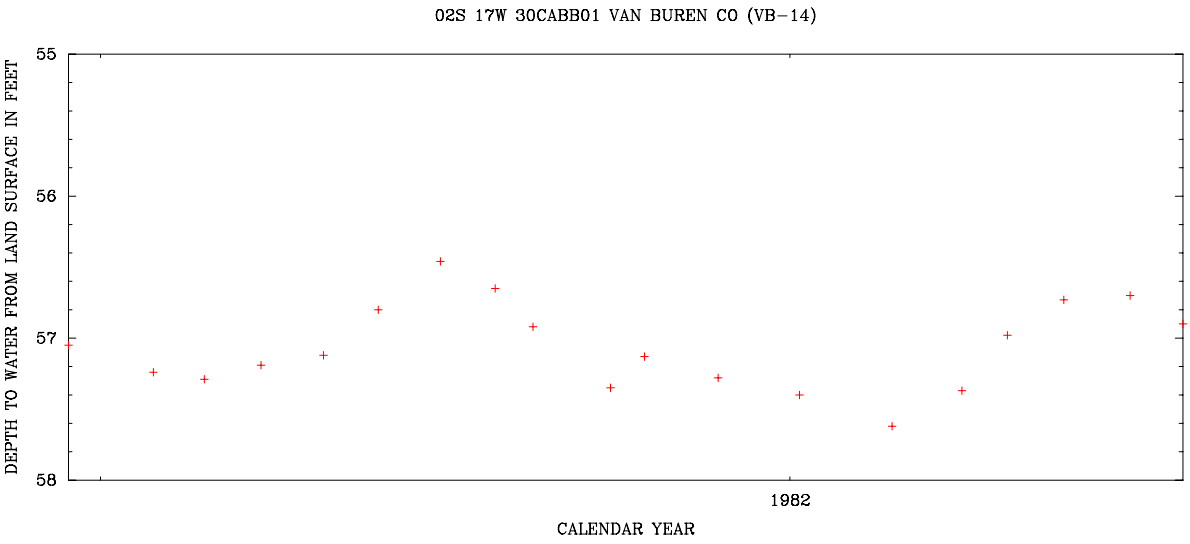


EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 421523085542501
PERIOD OF RECORD, WATER YEARS 1963-1969, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 690 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 12 FT, PRIMARY AQUIFER DESIGNATION:GLACIAL DEPOSITS,UNDIFFERENTIATED
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

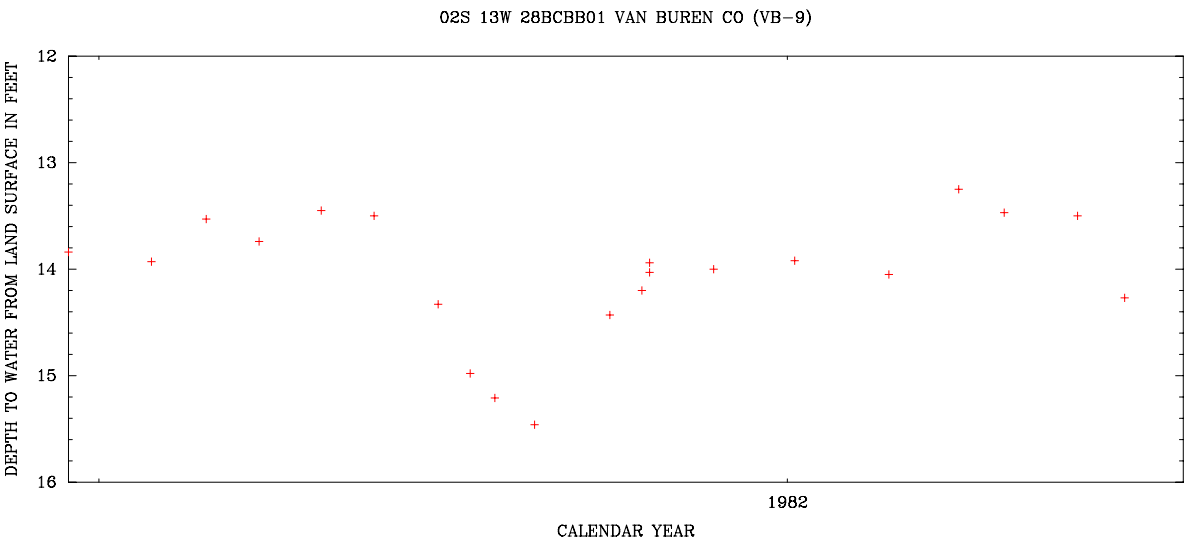


EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 421551086200501
PERIOD OF RECORD, WATER YEARS 1981-1982, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 660 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 85 FT, PRIMARY AQUIFER DESIGNATION:SAND
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903



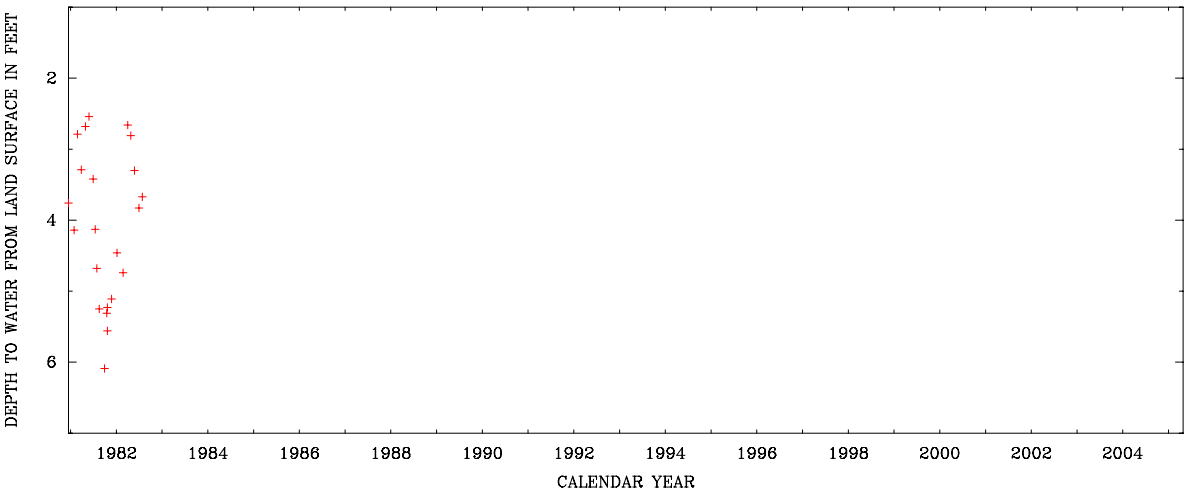
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 421607085503701
PERIOD OF RECORD, WATER YEARS 1981-1982, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 720 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 56 FT, PRIMARY AQUIFER DESIGNATION:SAND AND GRAVEL
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

02S 17W 24DAAA01 VAN BUREN CO (VB-13)



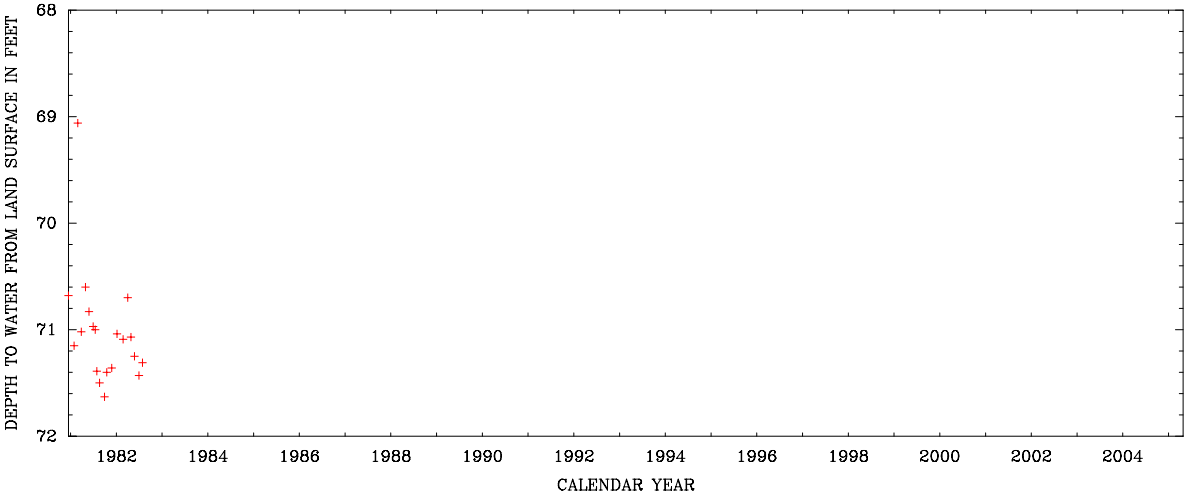
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 421645086132701
PERIOD OF RECORD, WATER YEARS 1981-2005, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 680 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 47 FT, PRIMARY AQUIFER DESIGNATION:SAND
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

02S 14W 18AAAA01 VAN BUREN CO (VB-10)

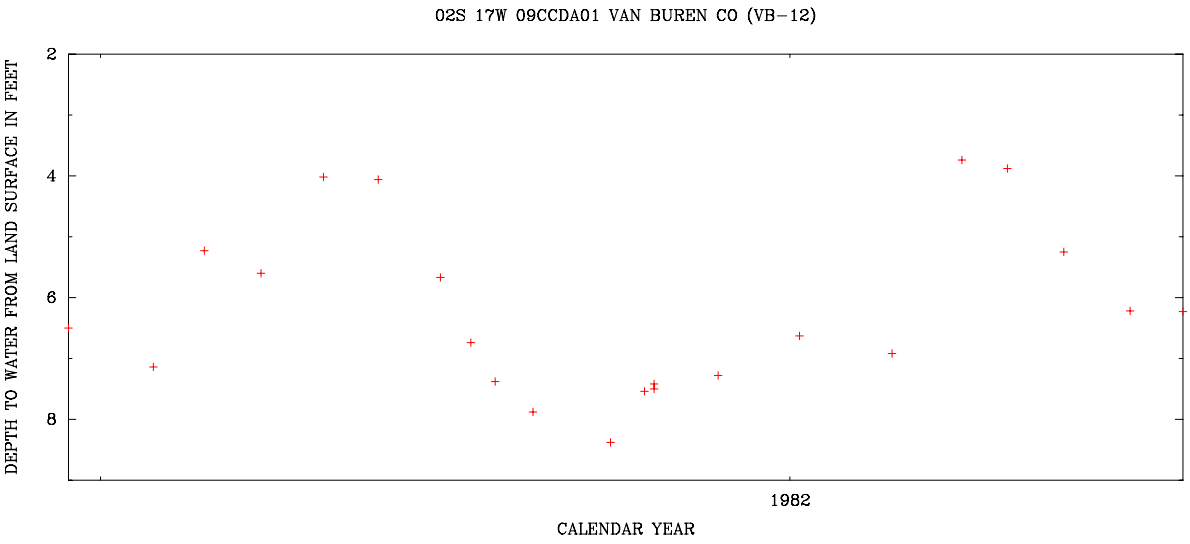


EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 421804085583501
PERIOD OF RECORD, WATER YEARS 1981-2005, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 760 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 93 FT, PRIMARY AQUIFER DESIGNATION:SAND
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903



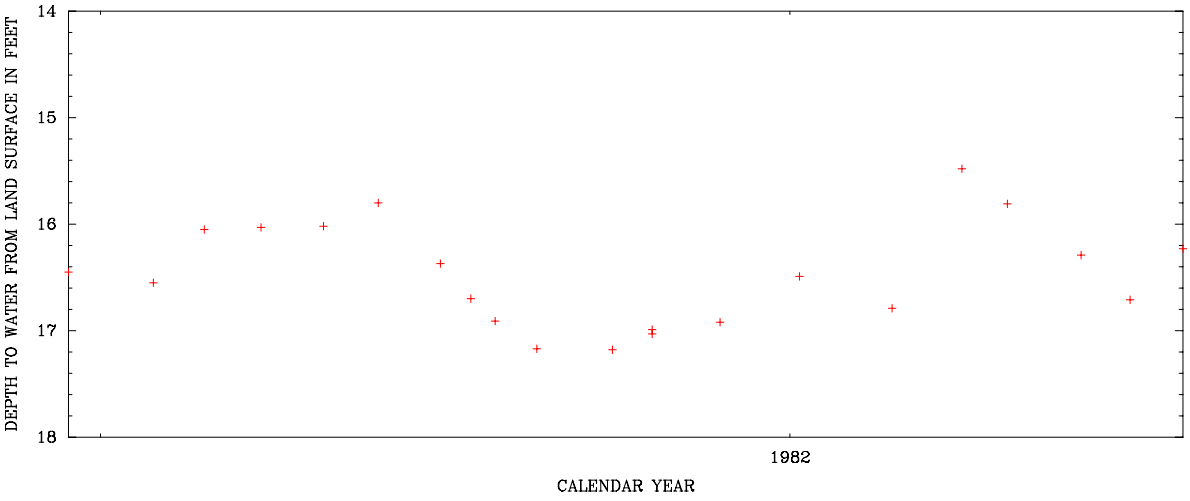
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 421809086174801
PERIOD OF RECORD, WATER YEARS 1981-1982, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 620 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 29 FT, PRIMARY AQUIFER DESIGNATION:SAND
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

02S 16W 12DBBD01 VAN BUREN CO (VB-11)

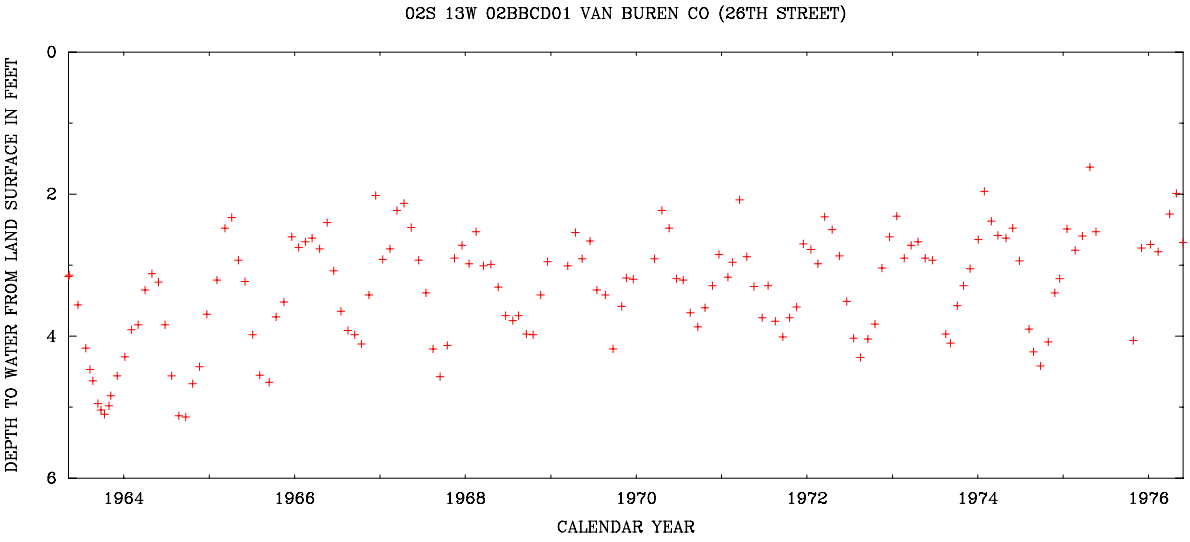


EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 421825086070001
PERIOD OF RECORD, WATER YEARS 1981-1982, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 660 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 67 FT, PRIMARY AQUIFER DESIGNATION:SAND AND GRAVEL
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903



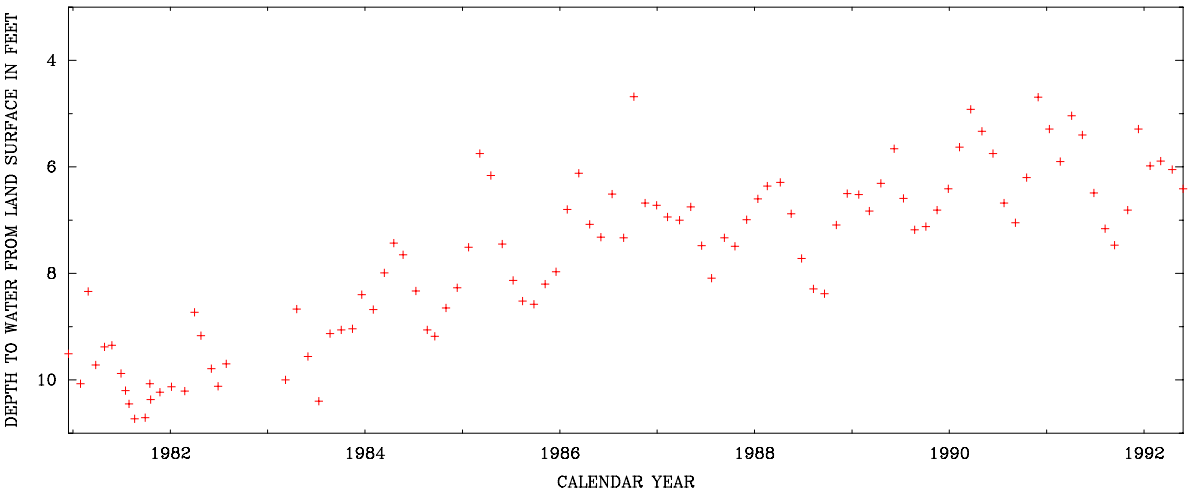
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 421945085481001
PERIOD OF RECORD, WATER YEARS 1963-1976, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 740 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 23 FT, PRIMARY AQUIFER DESIGNATION:SAND
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

02S 13W 02BBCB01 VAN BUREN CO (8-D WELL)



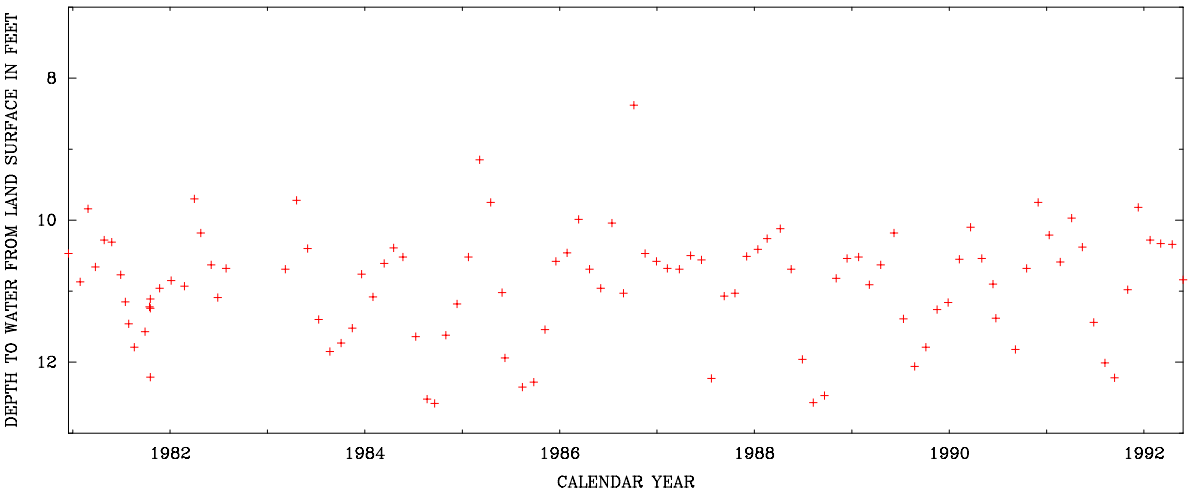
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 421945085481501
PERIOD OF RECORD, WATER YEARS 1981-1992, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 740 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 108 FT, PRIMARY AQUIFER DESIGNATION:SAND AND GRAVEL
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

02S 13W 02BBCB02 VAN BUREN CO (8-S WELL)



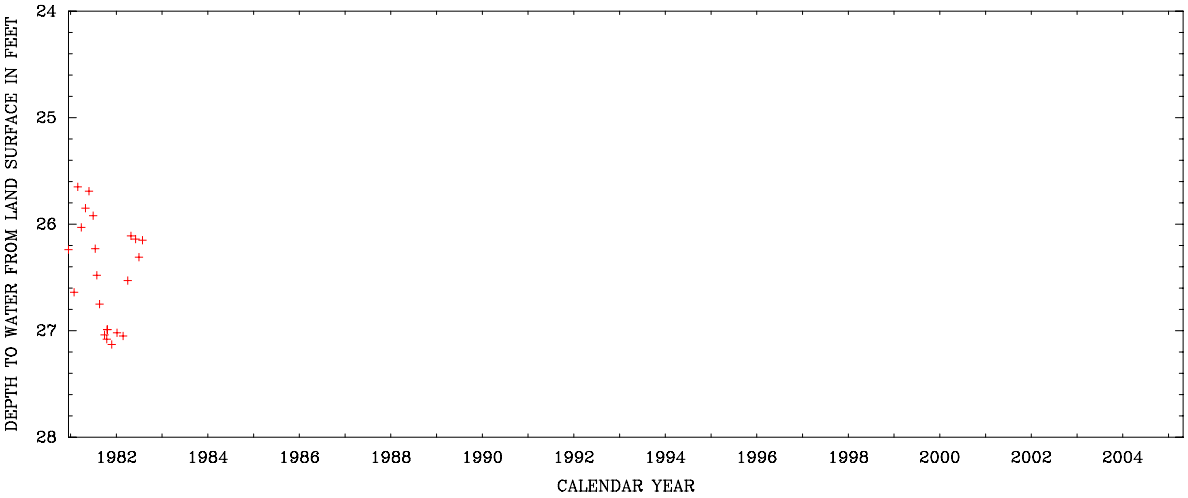
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 421945085481502
PERIOD OF RECORD, WATER YEARS 1981-1992, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 740 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 40 FT, PRIMARY AQUIFER DESIGNATION:SAND AND GRAVEL
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

01S 15W 33CDCC01 VAN BUREN CO (VB-5)

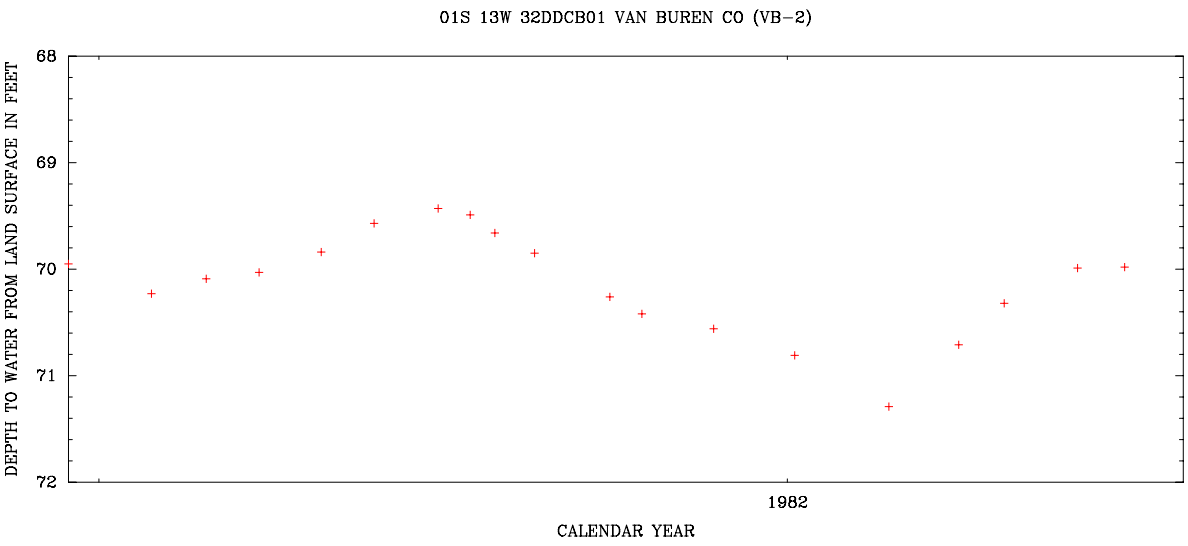


EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 421955086040101
PERIOD OF RECORD, WATER YEARS 1981-2005, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 700 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 65 FT, PRIMARY AQUIFER DESIGNATION:SAND
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903



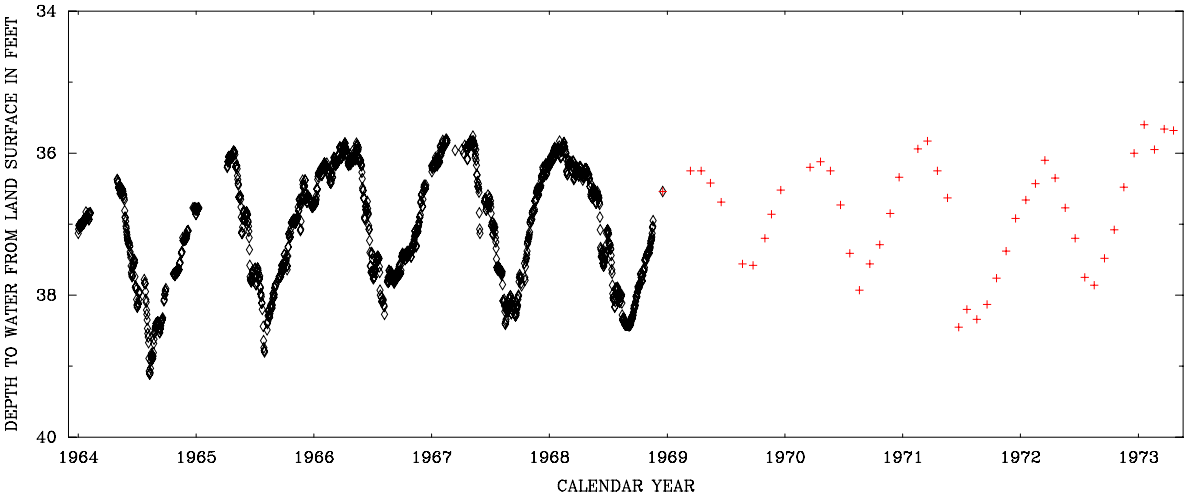
EXPLANATION

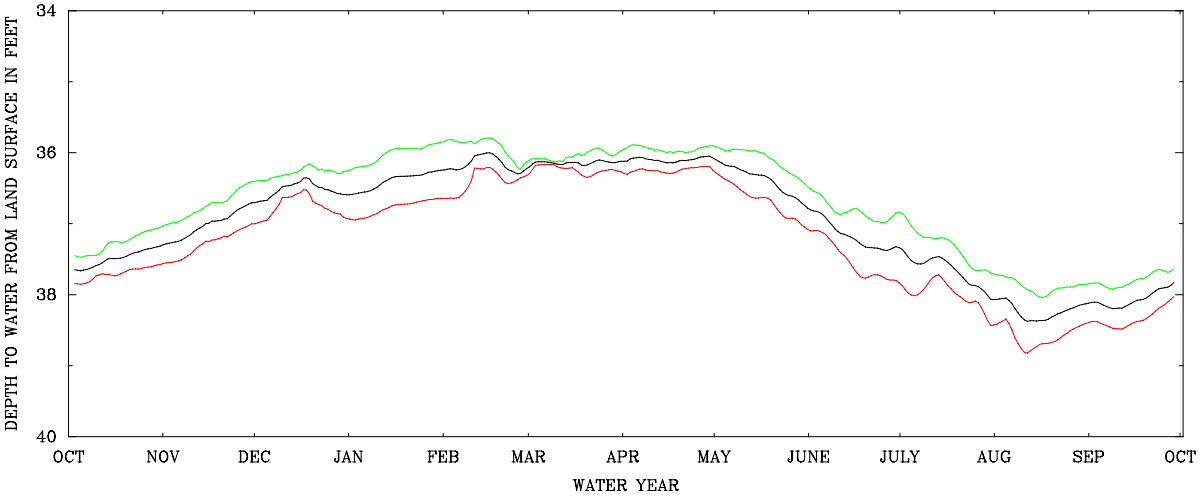
+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 422000085505101
PERIOD OF RECORD, WATER YEARS 1981-1982, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 800 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 79 FT, PRIMARY AQUIFER DESIGNATION:SAND AND GRAVEL
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

01S 17W 22ADBB01 VAN BUREN CO (M-140)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER

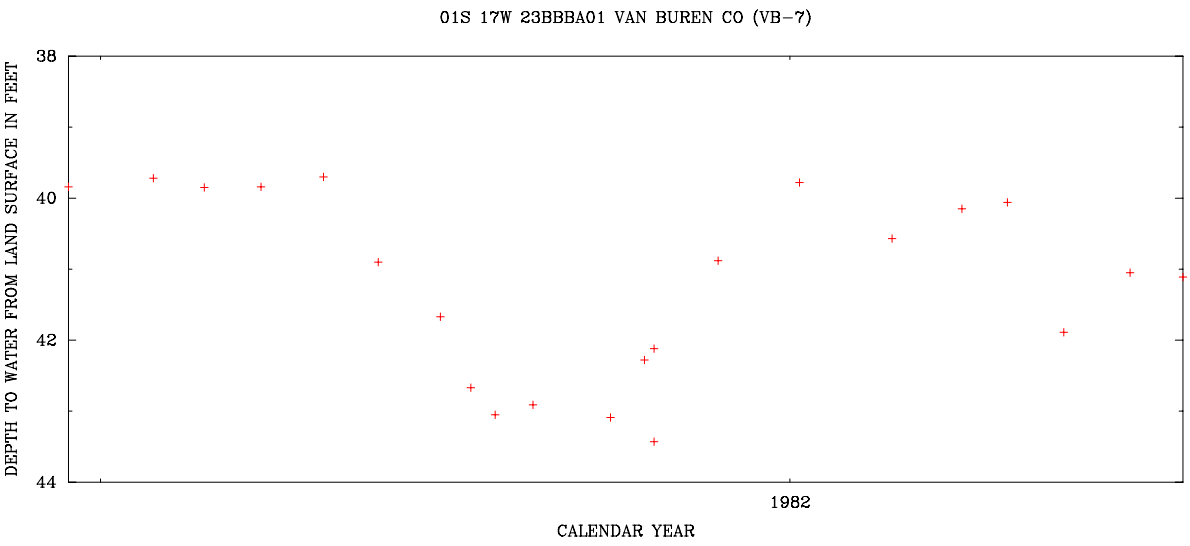
\+ GWSI TAPE-DOWN MEASUREMENTS

AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 422211086160501
PERIOD OF ADAPS RECORD, WATER YEARS 1964-1969, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 640 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 132 FT, PRIMARY AQUIFER DESIGNATION:GLACIAL DEPOSITS,UNDIFFERENTIATED
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903



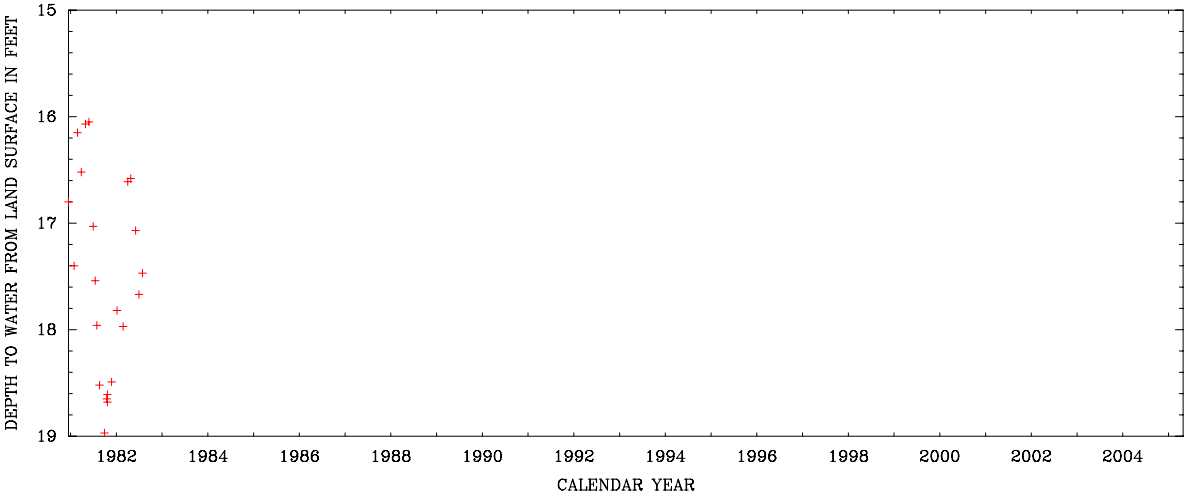
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 422227086154201
PERIOD OF RECORD, WATER YEARS 1981-1982, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 640 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 89 FT, PRIMARY AQUIFER DESIGNATION:SAND
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

01S 16W 14CCCB01 VAN BUREN CO (VB-6)

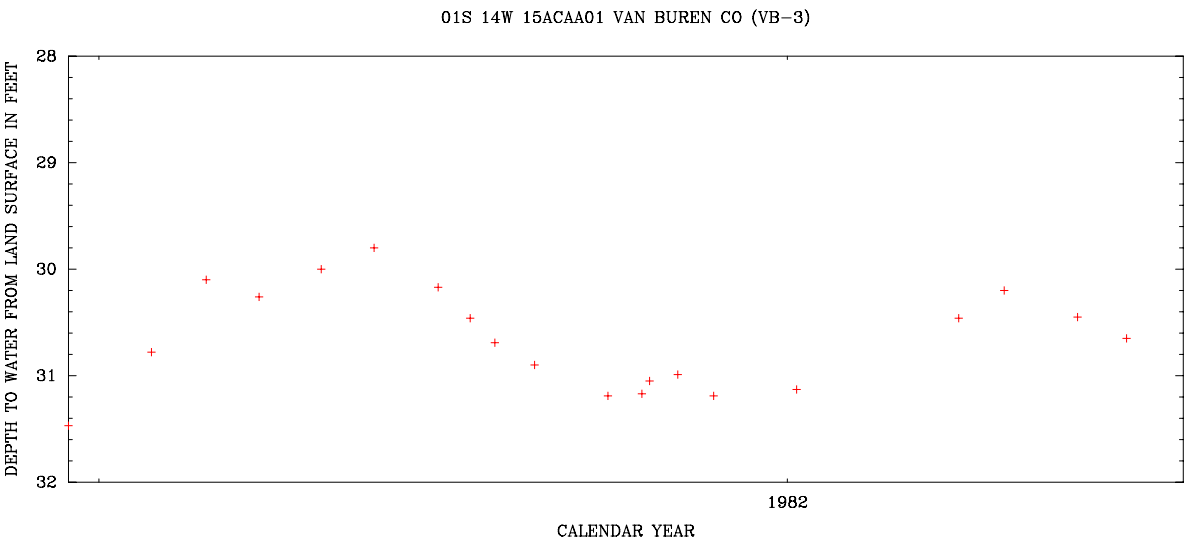


EXPLANATION

\+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 422235086085401
PERIOD OF RECORD, WATER YEARS 1981-2005, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 680 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 86 FT, PRIMARY AQUIFER DESIGNATION:SAND
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903



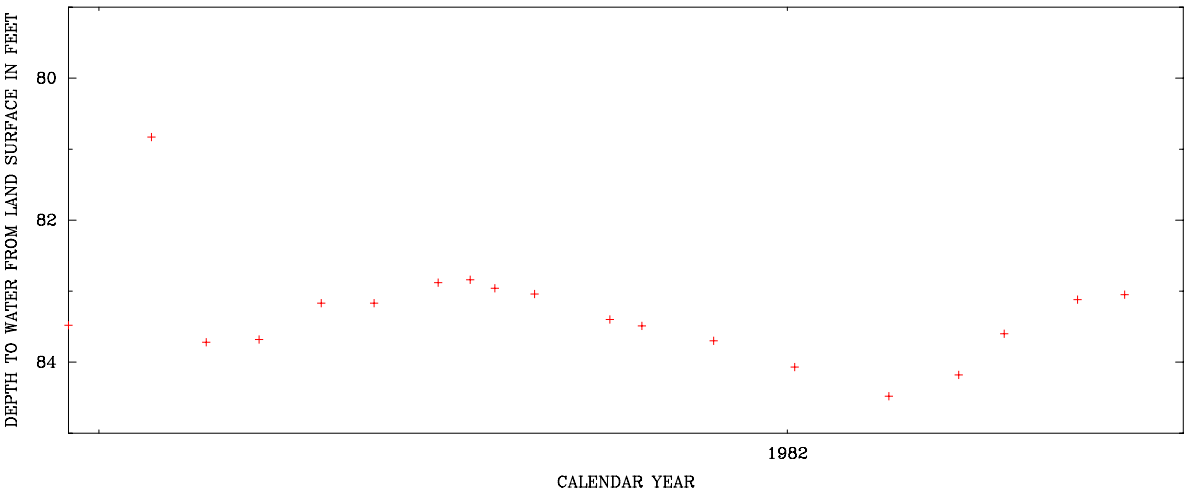
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 422311085552401
PERIOD OF RECORD, WATER YEARS 1981-1982, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 770 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 86 FT, PRIMARY AQUIFER DESIGNATION:SAND
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

01S 13W 10DDDA01 VAN BUREN CO (VB-1)



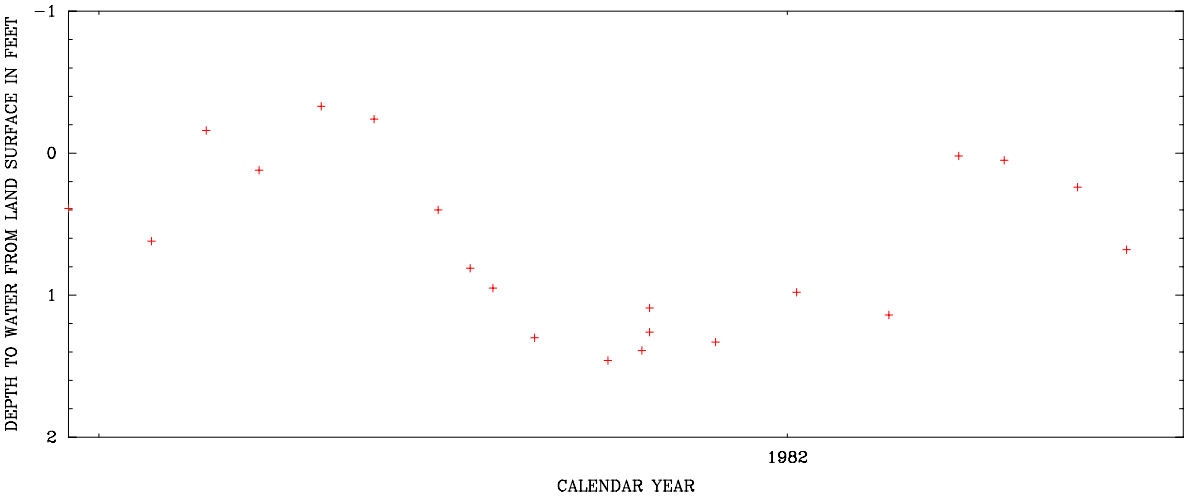
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 422328085481501
PERIOD OF RECORD, WATER YEARS 1981-1982, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 840 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 107 FT, PRIMARY AQUIFER DESIGNATION:SAND AND GRAVEL
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

01S 15W 12ADAA01 VAN BUREN CO (VB-4)



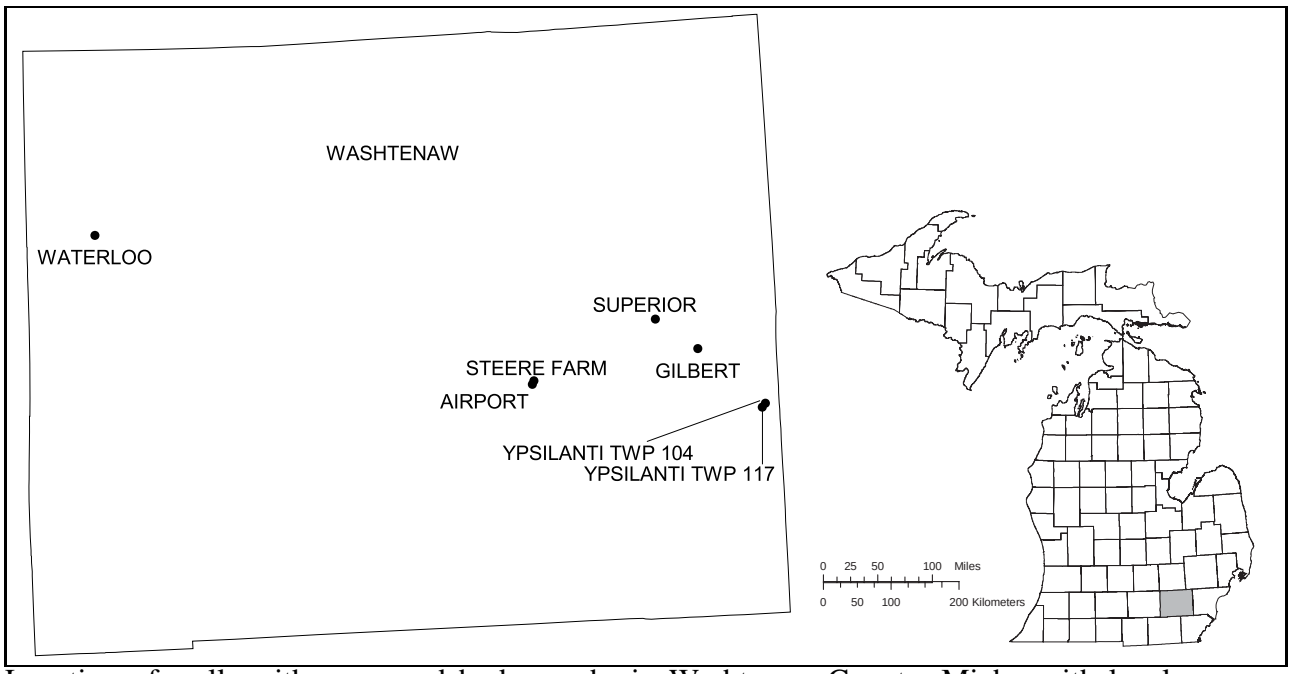
EXPLANATION

+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 422402085594001
PERIOD OF RECORD, WATER YEARS 1981-1982, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 680 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 46 FT, PRIMARY AQUIFER DESIGNATION:SAND AND GRAVEL
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

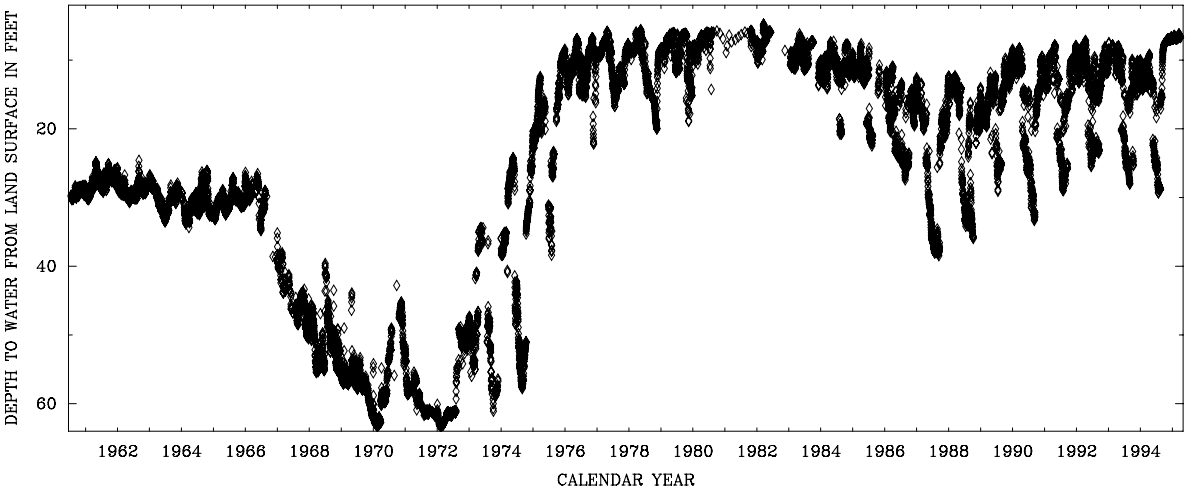
Washtenaw County

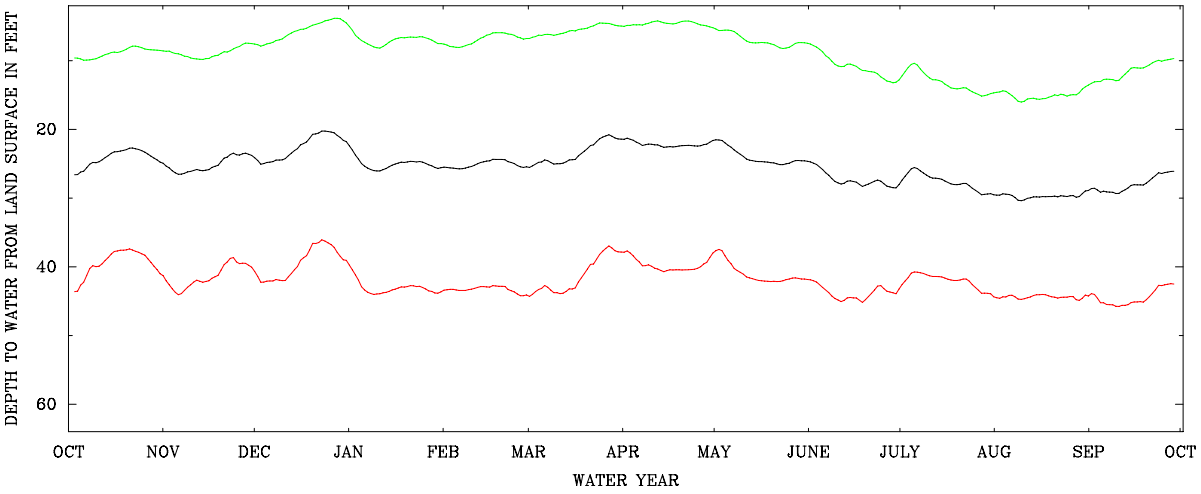


Location of wells with recovered hydrographs in Washtenaw County, Mich., with local name designation.

USGS STATION No.	USGS STATION NAME
421220083332501	03S 07E 24CDBC 01 WASHTENAW CO (YPSILANTI TWP 117)
421228083331601	03S 07E 24CADB01 WASHTENAW CO (YPSILANTI TWP 104)
421322083441301	03S 06E 16BCCD 01 WASHTENAW CO (AIRPORT)
421329083440801	03S 06E 16 BC01 WASHTENAW CO (STEERE FARM)
421427083362301	03S 07E 09ADBC 01 WASHTENW CO. (GILBERT)
421532083382001	03S 07E 05BB 01 WASHTENAW CO (SUPERIOR)
421850084043001	02S 03E 09DAAB02 WASHTENAW CO (WATERLOO)

03S 07E 24CDBC 01 WASHTENAW CO (YPSILANTI TWP 117)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER

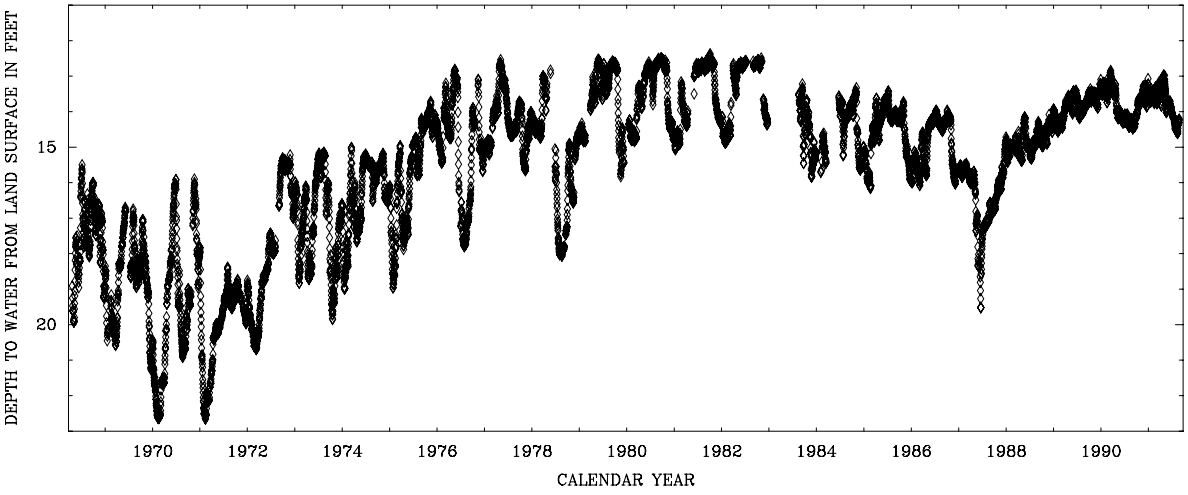
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

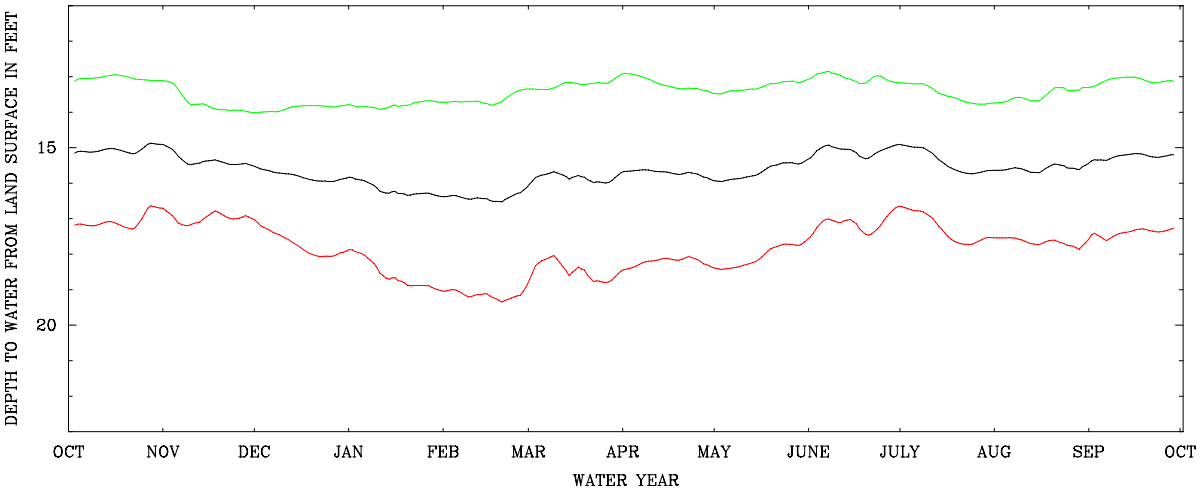
5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 421220083332501
PERIOD OF ADAPS RECORD, WATER YEARS 1960-1995, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 657.83 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 75 FT, PRIMARY AQUIFER DESIGNATION:GLACIAL DEPOSITS,UNDIFFERENTIATED
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

03S 07E 24CADB01 WASHTENAW CO (YPSILANTI TWP 104)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER

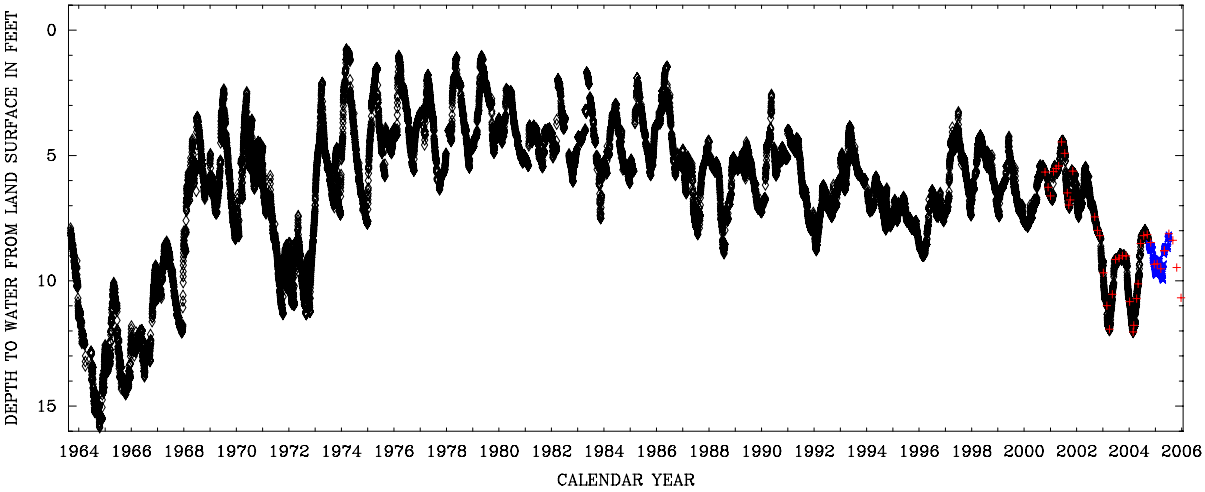
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

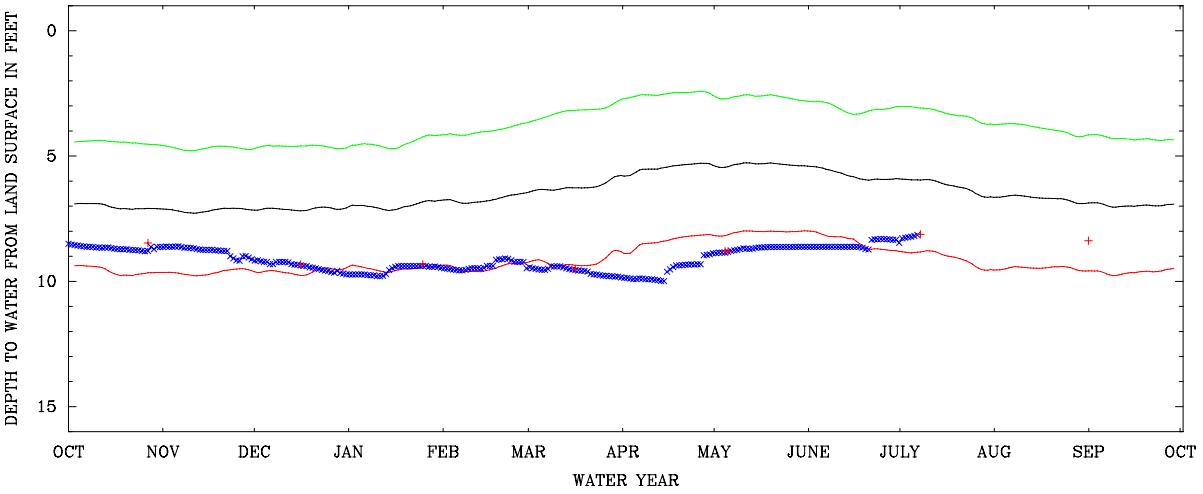
5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 421228083331601
PERIOD OF ADAPS RECORD, WATER YEARS 1968-1991, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 665.56 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 80 FT, PRIMARY AQUIFER DESIGNATION:GLACIAL DEPOSITS,UNDIFFERENTIATED
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

03S 06E 16BCCD 01 WASHTENAW CO (AIRPORT)





EXPLANATION

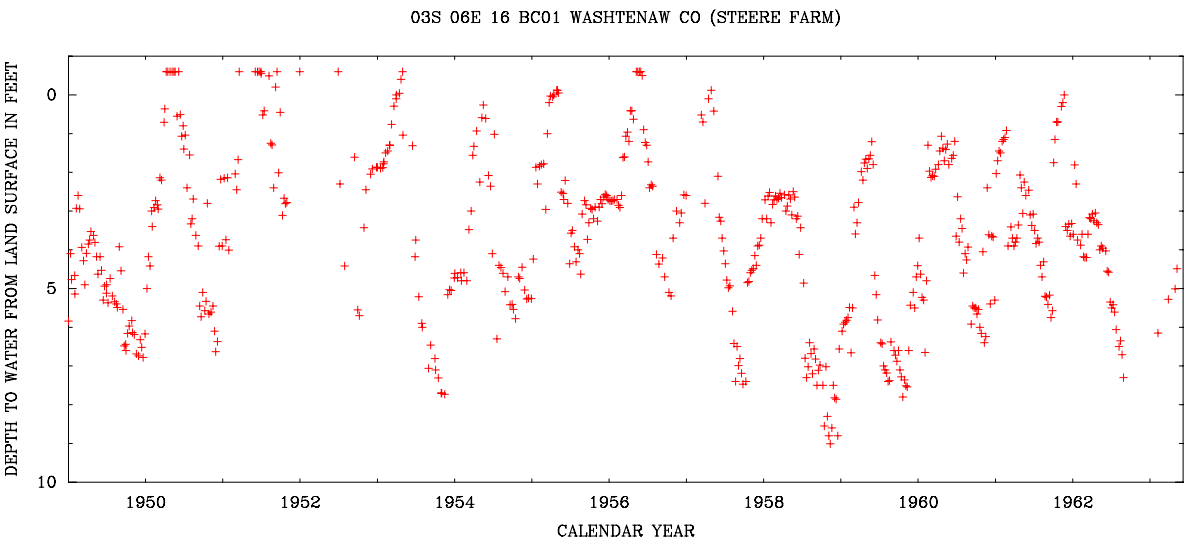
◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS
× 2005 DAILY MAXIMUM DEPTH TO WATER
PROVISIONAL DATA SUBJECT TO REVISION

AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 421322083441301
PERIOD OF ADAPS RECORD, WATER YEARS 1963-2005, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 821.5 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 55 FT, PRIMARY AQUIFER DESIGNATION:GLACIAL DEPOSITS,UNDIFFERENTIATED
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903



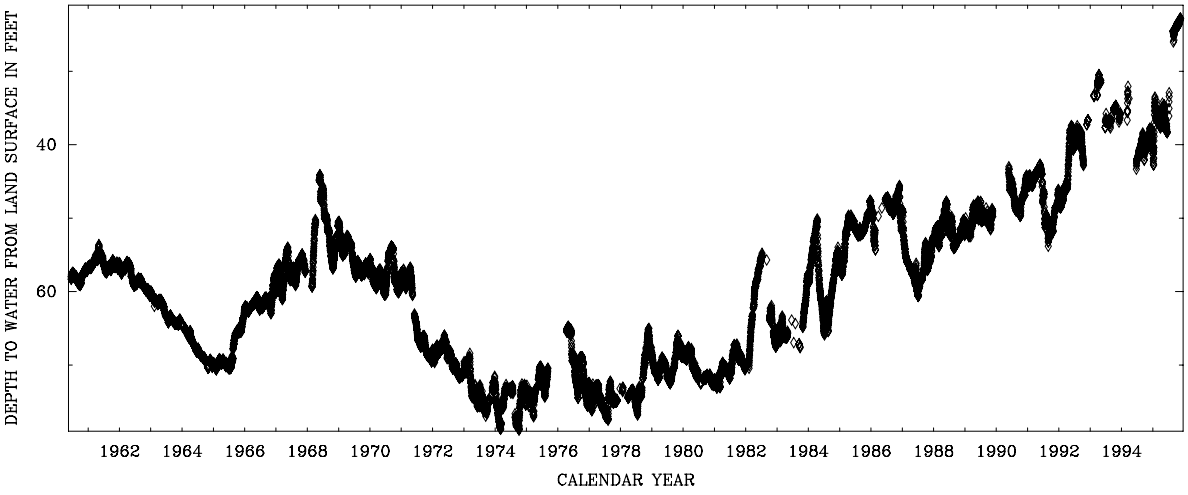
EXPLANATION

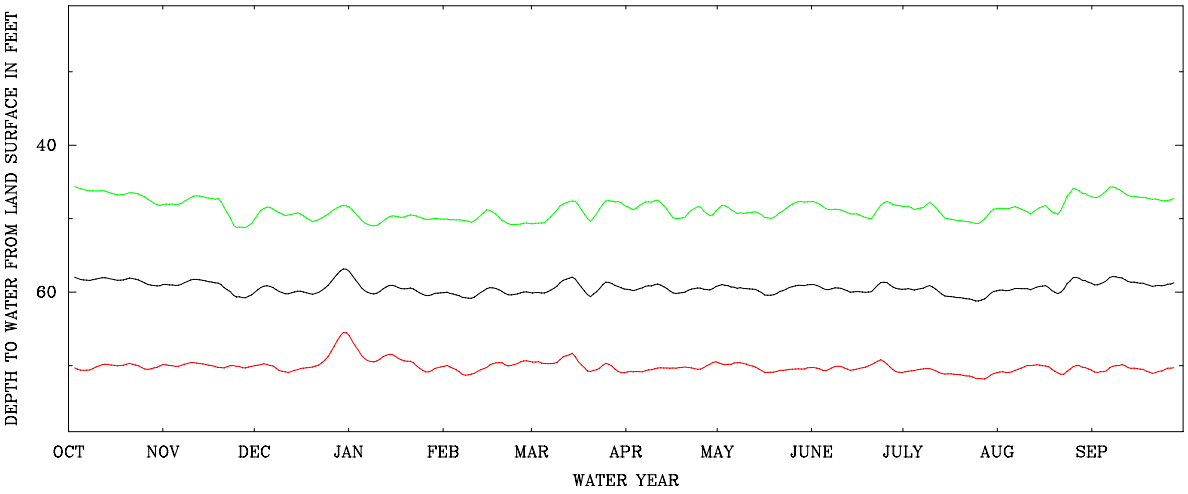
+ GWSI TAPE-DOWN MEASUREMENTS

NO WATER-YEAR SUMMARY FOR TAPE-DOWN-ONLY STATIONS

USGS STATION 421329083440801
PERIOD OF RECORD, WATER YEARS 1949-1963, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 817.43 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 23 FT, PRIMARY AQUIFER DESIGNATION:GLACIAL DEPOSITS,UNDIFFERENTIATED
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

03S 07E 09ADBC 01 WASHTENW CO. (GILBERT)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER

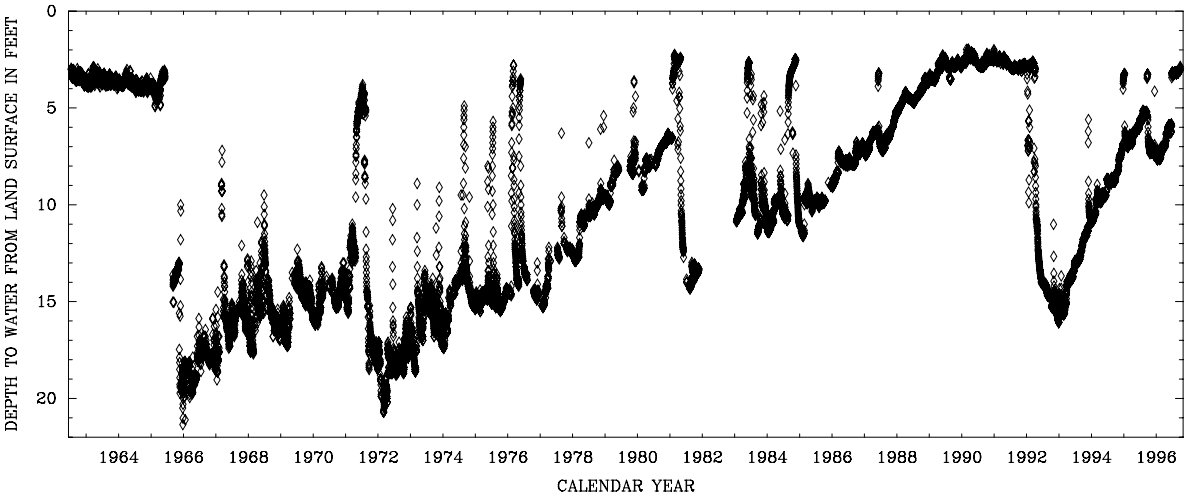
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

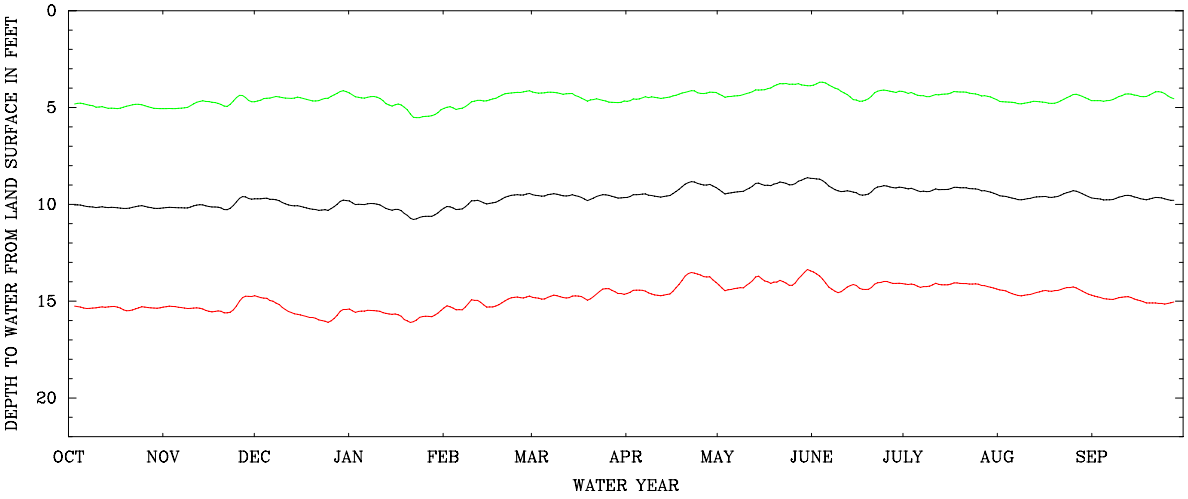
5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 421427083362301
PERIOD OF ADAPS RECORD, WATER YEARS 1960-1996, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 710 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 94 FT, PRIMARY AQUIFER DESIGNATION:GLACIAL DEPOSITS,UNDIFFERENTIATED
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

03S 07E 05BB 01 WASHTENAW CO (SUPERIOR)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER

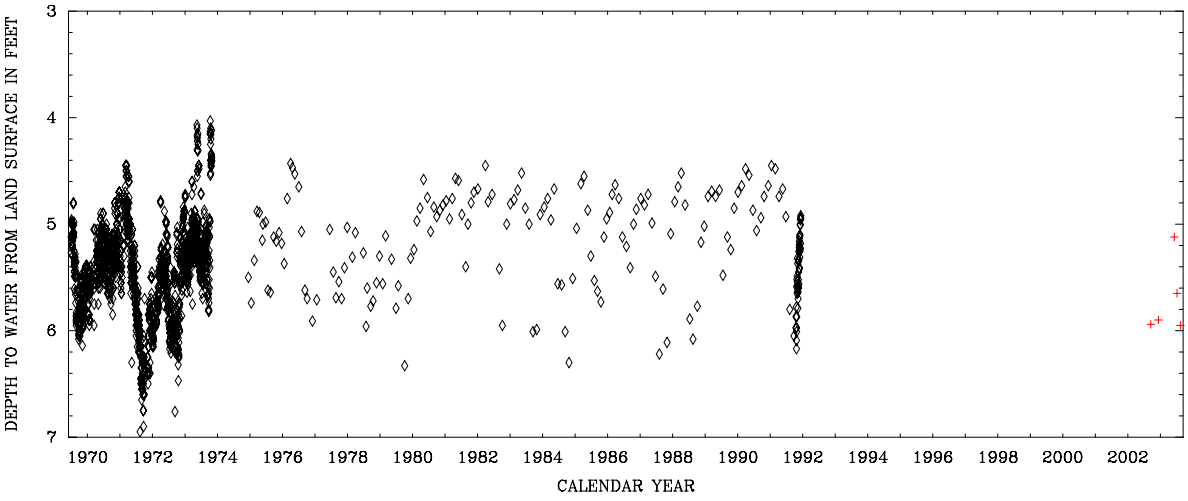
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

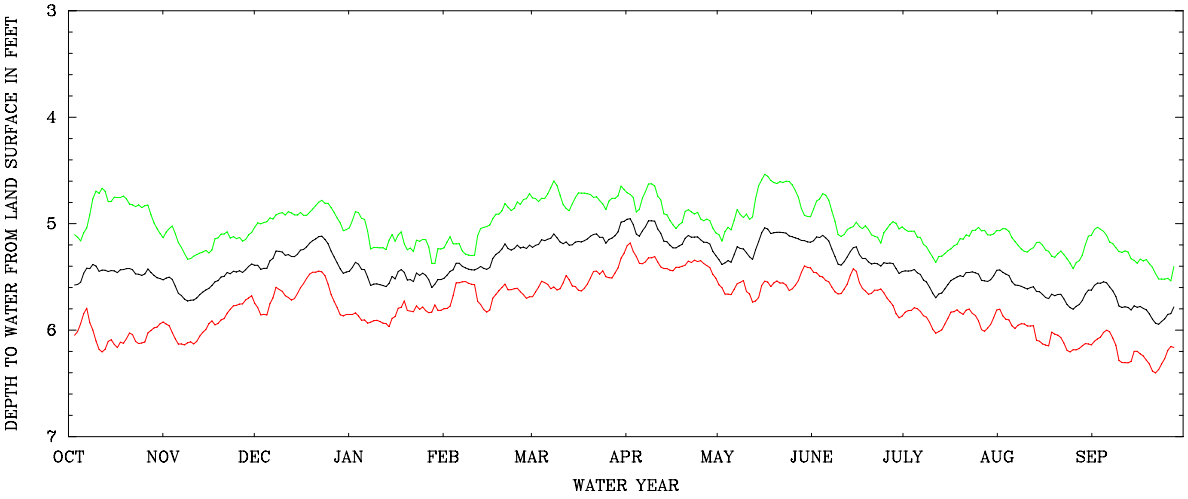
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AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 421532083382001
PERIOD OF ADAPS RECORD, WATER YEARS 1962-1996, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 720 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 69 FT, PRIMARY AQUIFER DESIGNATION:GLACIAL DEPOSITS,UNDIFFERENTIATED
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

02S 03E 09DAAB02 WASHTENAW CO (WATERLOO)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER

\+ GWSI TAPE-DOWN MEASUREMENTS

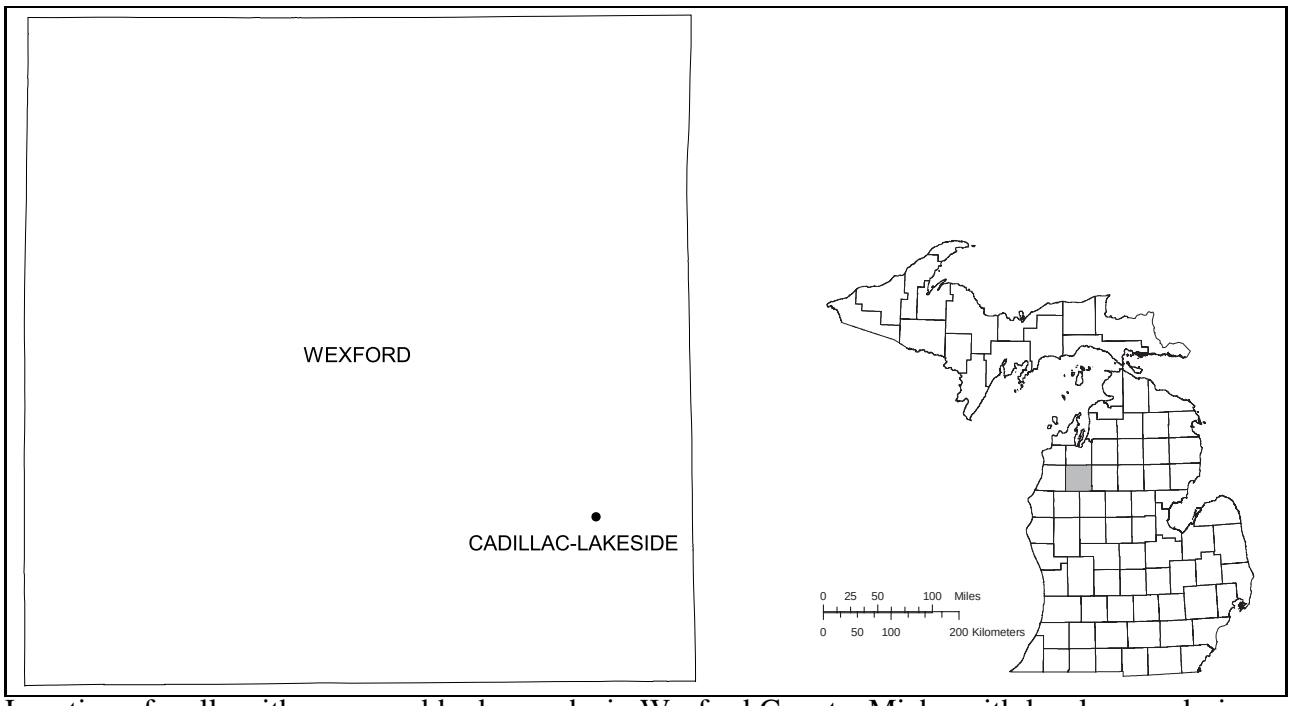
AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 421850084043001
PERIOD OF ADAPS RECORD, WATER YEARS 1969-1992, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 970 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 48 FT, PRIMARY AQUIFER DESIGNATION:SAND AND GRAVEL
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903

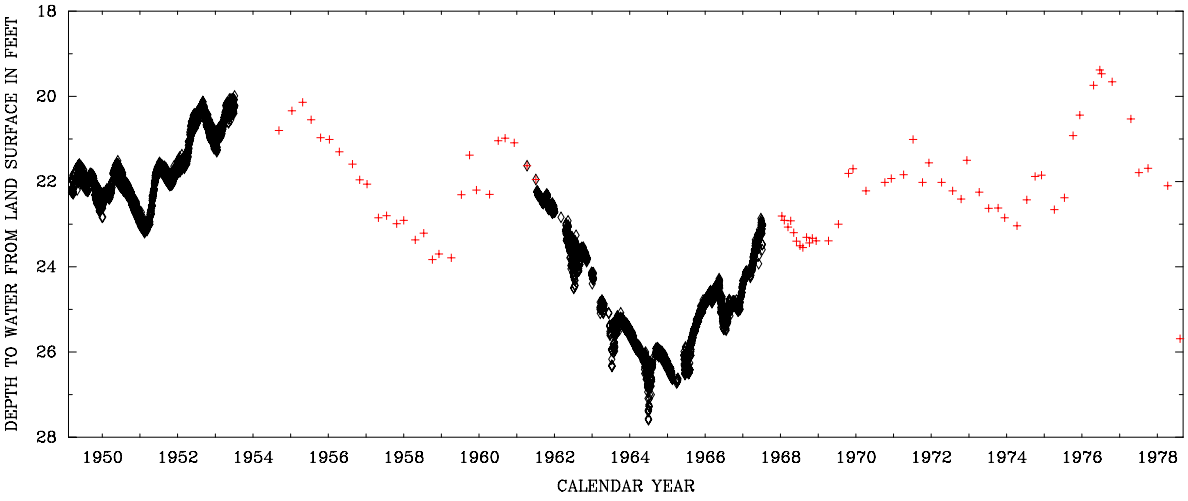
Wexford County

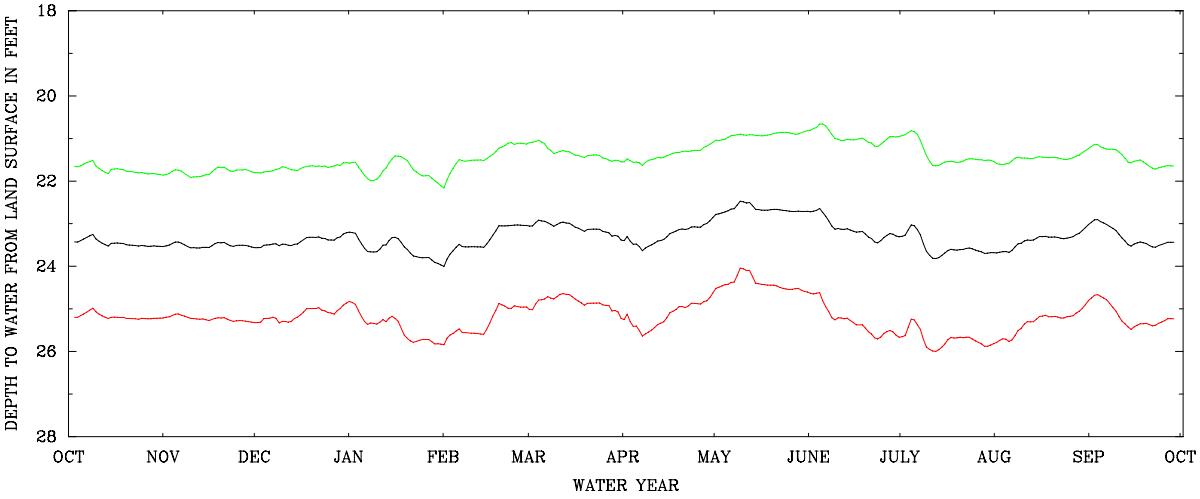


Location of wells with recovered hydrographs in Wexford County, Mich., with local name designation.

USGS STATION No.	USGS STATION NAME
441503084242201	21N 09W 04ABBC01 WEXFORD CO (CADILLAC-LAKESIDE)

21N 09W 04ABBC01 WEXFORD CO (CADILLAC-LAKESIDE)





EXPLANATION

◊ DAILY MAXIMUM DEPTH TO WATER
\+ GWSI TAPE-DOWN MEASUREMENTS

AVERAGE MINUS STANDARD DEVIATION. THE STANDARD-DEVIATION LINES INDICATE THE OBSERVED VARIATION IN THE 5-DAY MOVING AVERAGE WATER LEVEL FOR THE PERIOD OF RECORI

5-DAY MOVING AVERAGE FOR DAILY VALUES IN THE PERIOD OF RECORD. THIS LINE SHOWS THE AVERAGE OF ALL THE DAILY MAXIMUM DEPTH-TO-WATER VALUES FOR THAT DAY, THE PREVIOUS TWO DAYS, AND THE NEXT TWO DAYS FOR EACH WATER YEAR IN THE RECORD.

AVERAGE PLUS STANDARD DEVIATION.

USGS STATION 441503084242201
PERIOD OF ADAPS RECORD, WATER YEARS 1949-1967, PLOT GENERATED 2/22/2006
ALTITUDE OF LAND SURFACE IS 1291.1 FT ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
DEPTH OF WELL IS 277 FT, PRIMARY AQUIFER DESIGNATION:GLACIAL DEPOSITS,UNDIFFERENTIATED
FOR MORE INFORMATION REGARDING THESE DATA, PLEASE CONTACT
USGS MICHIGAN WATER SCIENCE CENTER, http://mi.water.usgs.gov, 517-887-8903