

Figure 4. Water levels in well L-26, Lincoln Parish, Louisiana.

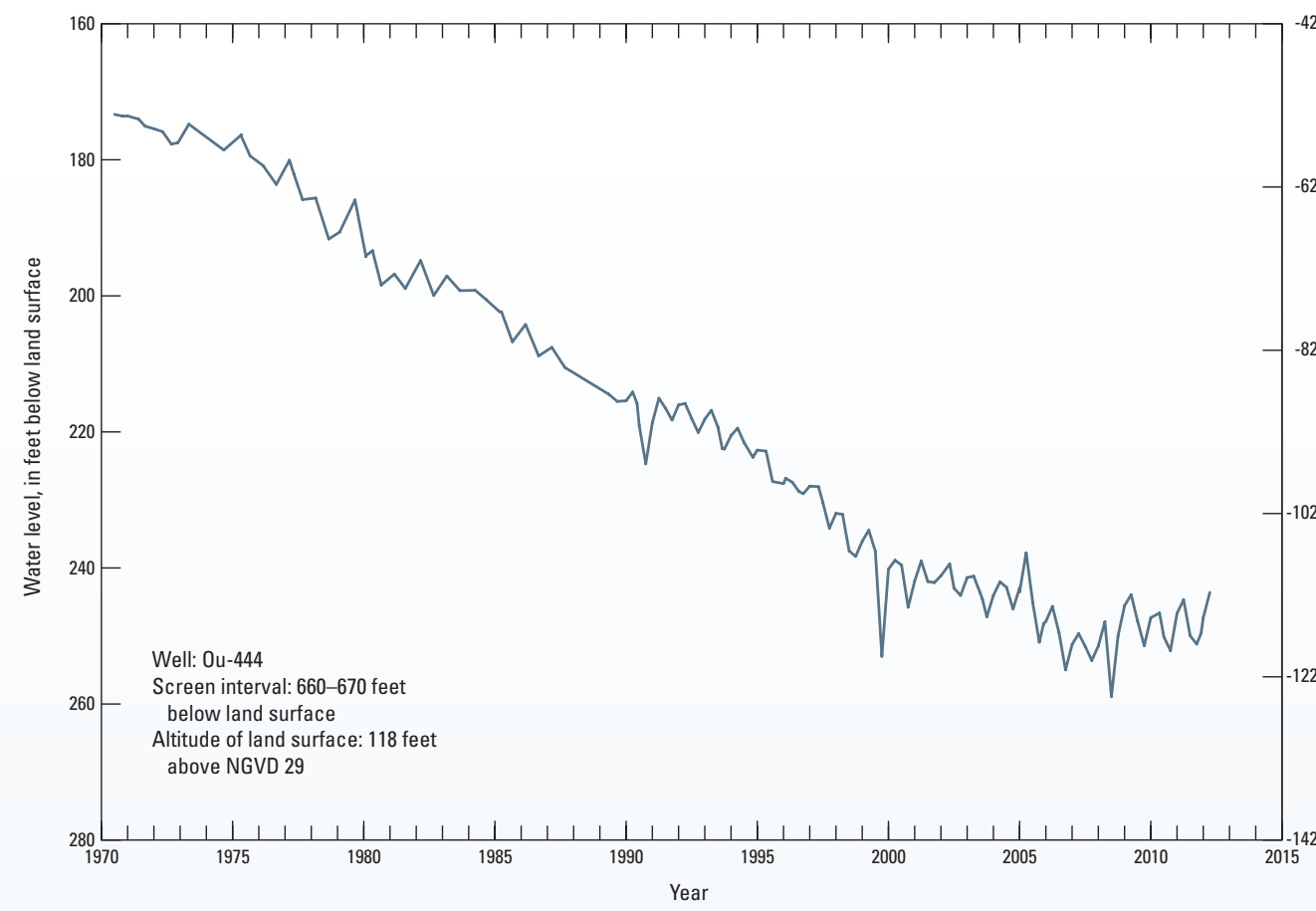


Figure 5. Water levels in well Ou-444, Ouachita Parish, Louisiana.

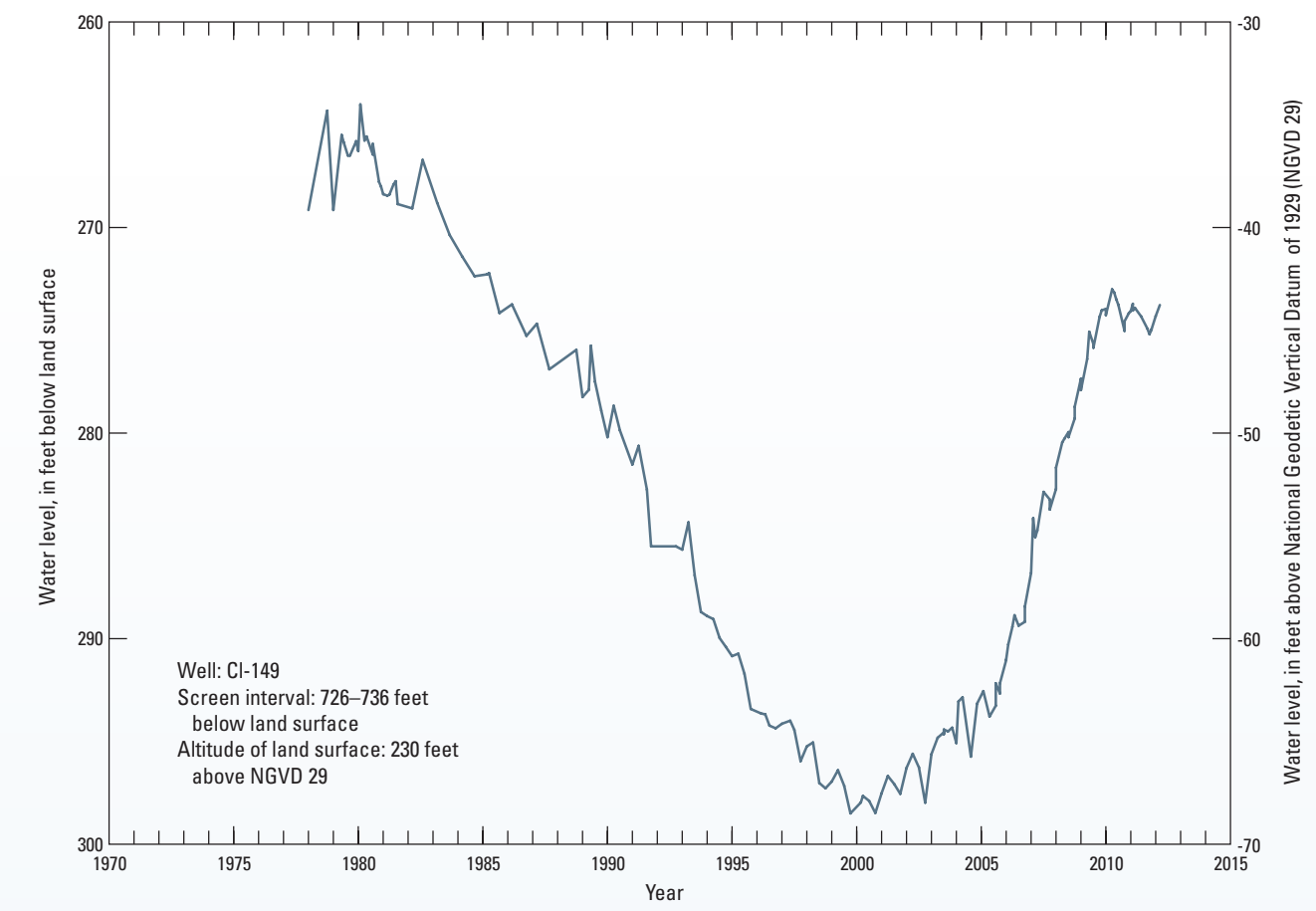


Figure 6. Water levels in well CI-149, Claiborne Parish, Louisiana.

Table 1. Water-level data used to construct maps of the potentiometric surface, March–April 2012; water-level differences, 2005–12; and areas where water levels were at or below the top of the Sparta aquifer in north-central Louisiana, March–April 2012.

[USGS, U.S. Geological Survey; NGVD 29, National Geodetic Vertical Datum of 1929; WL, water level; --, no data]

Well number	USGS station number	Parish name	Altitude of land surface (feet relative to NGVD 29)	Depth of well (feet)	Spring 2005 WL measurements			Spring 2012 WL measurements			Water-level difference, spring 2005 to spring 2012 (feet)	Water-level rate of change (feet per year)	Well number	USGS station number	Parish name	Altitude of land surface (feet relative to NGVD 29)	Depth of well (feet)	Spring 2005 WL measurements			Spring 2012 WL measurements			Water-level difference, spring 2005 to spring 2012 (feet)	Water-level rate of change (feet per year)
					Date	Water level (feet below land surface)	Water-level altitude in feet above NGVD 29	Date	Water level (feet below land surface)	Water-level altitude in feet above NGVD 29								Date	Water level (feet below land surface)	Water-level altitude in feet above NGVD 29	Date	Water level (feet below land surface)	Water-level altitude in feet above NGVD 29		
Bi-112	321709092523901	Bienville	215	348	3/31/2005	90.27	124.73	3/15/2012	99.41	115.59	-9.14	-1.31	Na-534	320009092543601	Natchitoches	147	110	4/12/2005	26.12	120.88	3/27/2012	32.39	114.61	-6.27	-0.90
Bi-144	323505092535001	Bienville	320	630	4/7/2005	240.35	79.65	4/12/2012	252.80	67.20	-12.45	-1.77	Na-562	313925093044401	Natchitoches	160	725	--	--	--	4/3/2012	50.23	109.77	--	--
Bi-216	322119092572301	Bienville	200	300	4/7/2005	14.52	185.48	4/10/2012	17.88	182.12	-3.36	-0.48	Ou-163	323155092021101	Ouachita	80	581	4/18/2005	140.95	-60.95	4/16/2012	133.82	-53.82	7.13	1.02
Bi-246	323244092550601	Bienville	340	583	3/4/2005	246.32	93.68	3/12/2012	284.62	55.38	-38.30	-5.45	Ou-401A	322422092020701	Ouachita	62	397	3/3/2005	112.47	-50.19	4/24/2012	112.61	-50.33	-0.14	-0.02
Bi-253	3232430925081202	Bienville	250	215	--	--	--	4/20/2012	40.23	209.77	--	--	Ou-402	321714092041401	Ouachita	63	750	3/3/2005	61.47	1.83	4/2/2012	64.39	-1.09	-2.92	-0.41
Bi-284	323241092031801	Bienville	259	440	3/30/2005	111.28	147.72	5/2/2012	133.08	125.92	-21.80	-3.07	Ou-404	323030091554801	Ouachita	61	685	3/3/2005	88.76	-27.87	4/2/2012	84.30	-23.41	4.46	0.63
Bi-76	321733093035001	Bienville	280	110	4/7/2005	45.98	234.02	3/15/2012	52.58	227.42	-6.60	-0.95	Ou-443	323100092165801	Ouachita	118	860	4/6/2005	239.33	-121.33	4/4/2012	241.27	-123.27	-1.94	-0.28
Bo-430	324850093373302	Bossier	380	353	--	--	--	4/17/2012	183.98	196.02	--	--	Ou-444	323100092165802	Ouachita	118	670	--	--	--	4/4/2012	243.60	-125.60	--	--
Bo-446	325720093365701	Bossier	385	270	3/22/2005	139.09	245.91	4/5/2012	136.04	248.96	3.05	0.43	Ou-445	323100092165803	Ouachita	118	454	--	--	--	4/4/2012	243.55	-125.55	--	--
Bo-456	325055093443501	Bossier	295	262	3/22/2005	116.32	178.68	4/5/2012	121.74	173.26	-5.42	-0.77	Ou-80	322843092084401	Ouachita	60	721	--	--	--	4/5/2012	263.32	-203.32	--	--
Bo-488	324623093330201	Bossier	228	128	--	--	--	4/20/2012	22.80	205.20	--	--	Sa-356	312422093234601	Sabine	269	1605	--	--	--	4/24/2012	116.50	152.90	--	--
Bo-501	325425093334901	Bossier	242	120	3/22/2005	19.73	222.27	4/5/2012	22.48	219.52	-2.75	-0.39	Sa-389	312314093352901	Sabine	260	383	--	--	--	4/12/2012	83.60	176.40	--	--
Ca-27	321045092060701	Caldwell	60	845	4/5/2005	36.05	23.95	4/2/2012	39.95	20.05	-3.90	-0.56	Un-136	325555092370501	Union	220	475	3/29/2005	276.81	-56.81	4/11/2012	264.88	-44.88	11.93	1.69
Ca-51	321429092122801	Caldwell	180	500	4/5/2005	172.32	7.68	3/29/2012	177.64	2.36	-5.32	-0.76	Un-138	324707092292501	Union	220	700	3/29/2005	304.88	-84.88	4/17/2012	300.57	-80.57	4.31	0.61
Ca-86B	320154092164601	Caldwell	160	545	4/1/2005	82.94	77.06	4/2/2012	88.81	71.19	-5.87	-0.84	Un-142	323733092220501	Union	200	640	--	--	--	4/4/2012	318.65	-118.65	--	--
CI-111	324817092512501	Claiborne	300	570	3/10/2005	290.04	9.96	4/17/2012	286.45	13.55	3.59	0.50	Un-193	325006092260101	Union	200	715	--	--	--	4/4/2012	295.62	-95.62	--	--
CI-116	325228092490201	Claiborne	245	684	3/10/2005	262.50	-17.50	3/23/2012	253.46	-8.46	9.04	1.28	Un-206	325409092335701	Union	210	676	4/21/2005	284.71	-74.71	4/17/2012	275.85	-65.85	8.86	1.27
CI-136	323943092573601	Claiborne	405	835	3/31/2005	326.86	78.14	3/26/2012	344.98	60.02	-18.12	-2.59	Un-209	324616092241701	Union	160	684	3/29/2005	248.51	-88.51	4/14/2012	245.65	-85.65	2.86	0.41
CI-148	325437092503301	Claiborne	190	625	3/10/2005	199.03	-9.03	3/23/2012	189.27	0.73	9.76	1.39	Un-223	325428092294701	Union	236	705	--	--	--	4/17/2012	298.60	-62.60	--	--
CI-149	330002092445901	Claiborne	230	736	3/10/2005	292.36	-62.36	3/23/2012	273.58	-43.58	18.78	2.67	Un-237	325408092150001	Union	159	520	--	--	--	4/11/2012	202.40	-43.40	--	--
CI-150	325103092434901	Claiborne	225	750	3/8/2005	257.86	-32.86	3/14/2012	250.28	-25.28	7.58	1.08	Un-238	325342092150801	Union	161	475	--	--	--	4/11/2012	208.73	-47.73	--	--
CI-151	324908092443501	Claiborne	180	719	--	--	--	3/26/2012	201.52	-21.52	--	--	Un-26	324417092090001	Union	134	745	4/5/2005	195.89	-61.97	3/13/2012	184.54	-50.62	11.35	1.63
CI-154	324809093071201	Claiborne	340	540	--	--	--	4/30/2012	201.35	138.65	--	--	Un-79	324955092084001	Union	118	749	3/31/2005	165.11	-47.11	4/4/2012	155.42	-37.42	9.69	1.38
CI-224	325122093024201	Claiborne	240	615	3/30/2005	160.00	80.00	4/30/2012	159.27	80.73	0.73	0.10	Un-80	324917092242001	Union	190	710	--	--	--	4/4/2012	269.87	-79.87	--	--
CI-57172	325810093004401	Claiborne	278	440	--	--	--	4/30/2012	226.36	51.64	--	--	Un-82	325550092391601	Union	122	656	4/4/2005	176.33	-54.33	4/30/2012	163.04	-41.04	13.29	1.88
CI-58	324707093025001	Claiborne	250	482	3/10/2005	141.35	108.65	3/23/2012	141.17	108.83	0.18	0.03	Un-83	325550092391602	Union	122	326	4/4/2005	171.17	-49.17	4/30/2012	159.24	-37.24	11.93	1.69
CI-9	325752093082701	Claiborne	360	670	3/10/2005	276.20	83.80	3/23/2012	264.90	95.10	11.30	1.60	Un-84	325647092241501	Union	210	696	4/5/2005	262.64	-52.64	3/13/2012	255.71	-45.71	6.93	1.00
CI-91	324125093110201	Claiborne	335	522	--	--	--	3/29/2012	198.49	136.51	--	--	Un-86	325929092114001	Union	90	655	3/17/2005	111.58	-22.64	3/13/2012	107.93	-17.93	3.65	0.52
Ja-115	321822092270402	Jackson	180	940	4/15/2005	200.48	-20.18	3/12/2012	205.70	-25.40	-5.22	-0.76	W-114	315353092470001	Winn	300	700	--	--	--	3/12/2012	214.81	85.19	--	--
Ja-147	322357092341701	Jackson	220	703	4/1/2005	254.48	-34.48	4/24/2012	255.52	-35.52	-1.04	-0.15	W-144B	315450092310102	Winn	140	550	3/7/2005	56.53	83.47	3/12/2012	60.94	79.06	-4.41	-0.63
Ja-148	321338092345801	Jackson	245	578	4/1/2005	230.18	14.82	4/4/2012	233.49	11.51	-3.31	-0.47	W-156	320619092341601	Winn	257	829	4/8/2005	216.36	40.64	3/14/2012	219.65	37.35	-3.29	-0.47
Ja-149	322433092412101	Jackson	195	478	4/1/2005	189.51	5.49	4/24/2012	192.33	2.67	-2.82	-0.40	W-160	315646092352101	Winn	160	553	--	--	--	3/15/2012	106.12	53.88	--	--
Ja-154	321429092402002	Jackson	302	605	--	--	--	3/30/2012	279.50	22.50	--	--	W-165	315558092375501	Winn	100	456	--	--	--	3/20/2012	83.87	16.13	--	--
Ja-182	321432092424902	Jackson	220	370	--	--	--	3/30/2012	233.89	-13.89	--	--	W-171	315756092463402	Winn	170	440	--	--	--	3/27/2012	75.10	94.90	--	--
Ja-3	320923092421401	Jackson	180	635	--	--	--	3/20/2012	129.71	50.29	--	--	W-172	320541092291601	Winn	140	655	4/1/2005	100.48	39.52	3/1/2012	104.93	35.07	-4.45	-0.64
Ja-356	322056092432401	Jackson	230	590	--	--	--	3/28/2012	224.06	5.94	--	--	W-179	315948092300301	Winn	195	585	3/7/2005	123.81	71.19	3/1/2012	128.14	66.86	-4.33	-0.62
Ja-49	321709092452401	Jackson	160	570	--	--	--	3/15/2012	156.61	3.39	--	--	W-212	320444092384902	Winn	270	601	4/8/2005	221.80	48.20	3/12/2012	224.52	45.48	-2.72	-0.39