



APPENDIX A

GROUNDWATER LEVEL ELEVATIONS

12N/16W

Well No.	32P1	32Q1	33H1	32R1	31F1	31F2	31M1	31M2	31N1	32M1	32M2	33B1	34A1	34N1	34N2	34N3	34P1	35F1	35J1	31F2
Surface Elevation					3795	3795	3795	3792		3875	3875									
Ref to Surf Elev								1.4		1.1	1.7									
TOC Elev																				
Nov-80							41.8	39.5		9.7	2.5									
May-81							42.1	39.1		10.7	7.7									
Oct-81							41.9	38.8		12.6	7.6	30.6	46.5		72	86.7	86			
Jun-82							39.1	36.9		8.7	2.5	15	42.6	60	87.5	84.7	85.7			
Nov-82							40	37.1		9.4	3.5	15.5	42.8		87.9	85	85.9			
May-83							34.2	30.7		2.5		25			79.2	76.4				
Aug-83							32.7	29.7		2.1		41			76.9	71.4				
May-84							34	28.6		7		20.4			59.9	53.2				
Oct-84							49.4	42.9		9.6	1.3	27.2	37.5			5				
May-85							32.8	29.1		8.9	1.5	22.6	33.2			2.9				
Oct-85																				
May-86							36.3	32.9		5.9	0.5									
Oct-86							57	43		10.1	3.8		38.7			7.9	74.2			
May-87							35.3			10.8	7	15.3	35.9			7	72.1			
Nov-87							59.5	44.5		11.3	7.5	24.1								
May-88							51.9	43.7		16.3	7.2		36.2			7				
Oct-88								47.5		10.6	7.3									
May-89							57.3	44		11	9.2	25.3								
Sep-89			64.6				50.4	20.1		10.4	11.2									
May-90			64.6			40.6		13.7		13.8	10.3									
Oct-90							46.1	41		13.9	12					88.6				
Jun-91						42.7		40.3		13.5	13									
Oct-91			65				43.5	19.6		15	13.3	110								
Jun-92							42.5	25.3		15.5	17.1	112.5	48							
Nov-92			63.9				43.3	40		12	13.3		49.2							
May-93							41.1	39		3	8.2		39.5			82.3				
Oct-93							42.4	41.5		9	14.9	76.5	40.7			82				
Apr-94							44	39.1		9	3.1	77.8	43.6			79.5				
Oct-94							44	40		13.1	9.5		45.7			82.6				
Apr-95							41.5	36.9		5.6	0	75	36.3			80				
Oct-95							39.5	37.3		7	2.5	79.1	40			72				
Apr-96							40	37.3		10	3	75.1	41.1			71.9				
Nov-96								48.2		7	6		40							
May-97							42.1	39.3		10.6	6.4		44.4			76.5				
Sep-97							45.5	40.3		11.6	7.9	30.3	44.9			79.4				
Jun-98						30.3		35		4.5		23.7	38.6			66.6				
Oct-98							34.1	30.5		7.3		20	38.8			56.1				
May-99					42.1	39.3				10.6	6.4		44.4			76.5				
Oct-99								34	42.9	8.5	0.8	62.1					42			
Apr-00					33.8			30.7		8.7	0.6	60.3	39			67.1				
Oct-00					35.7			32		10.5	4.5	67.1	42.1			70				
May-01						36		38.1		11.8	6.8	63.7				72.1	44.3			
Oct-01							38.1			12.6	9.3	63.7	41.3			68.4				
Apr-02								35.5		14.3	7.2	74.5								
Oct-02								30.3		13.0	10.4	80.3								
May-03								31.3		13.0	9.0	69.7								
Oct-03								31.3		15.9	12.7	75.2								
May-04								24.3		14.0	8.4	65.8								
Oct-04								24.7		17.6	10.3	69.9								
May-05								15.9		14.0	6.2	60.3								
Oct-05								35.3		34.8	19.6	69.8								
Apr-06								28.7		29.0	14.0	60.7								
Oct-06								39.5		21.0	17.2	71.3								
May-07								34.7		17.7	12.3	66.5								
Nov-07								20.1		28.6	19.8	81.3								
May-08								38.8		23.0	21.9	81.3								
Nov-08								39.1		25.0	22.1	81.3								
Jun-09								38.7		36.9	26.1	95.3								
Dec-09								40.2		28.1	29.9	95.3								
May-10								39.6		30.1	29.4	31.0								
Oct-10								39.3		32.5	32.4	31.9								
Apr-11								29.8		18.6	18.8	18.1								
Nov-11								35.9		25.4	29.6	21.1								
Apr-12								33.6		13.4	15.7	10.2								
Nov-12								31.5		20.1	17.9	18.8								
May-13								32.5		20.8	17.0	21.2								
Oct-13								40.3		35.4	25.6	36.1								

Water Level Elevatic
Cummings Basin

Well No.	34N3	34P1	35F1	35J1	31F2
Surface Elevation					
Ref to Surf Elev					
TOC Elev					
Nov-80					
May-81					
Oct-81	-86.7	-86			
Jun-82	-84.7	-85.7			
Nov-82	-85	-85.9			
May-83	-76.4				
Aug-83	-71.4				
May-84	-53.2				
Oct-84	-5				
May-85					
Oct-85					
May-86					
Oct-86					
May-87					
Nov-87					
May-88					
Oct-88					
May-89					
Sep-89					
May-90					
Oct-90					
Jun-91					
Oct-91					
Jun-92					
Nov-92					
May-93					
Oct-93					
Apr-94					
Oct-94					
Apr-95					
Oct-95					
Apr-96					
Nov-96					
May-97					
Sep-97					
Jun-98					
Oct-98					
May-99					
Oct-99					
Apr-00					
Oct-00					
May-01					
Oct-01	68.4				
Apr-02					
Oct-02					
May-03					
Oct-03					
May-04					
Oct-04					
May-05					
Oct-05					
Apr-06					
Oct-06					
May-07					
Nov-07					
May-08					
Nov-08					
Jun-09					
Dec-09					
May-10					
Oct-10					
Apr-11					
Nov-11					
Apr-12					
Nov-12					
May-13					
Oct-13					

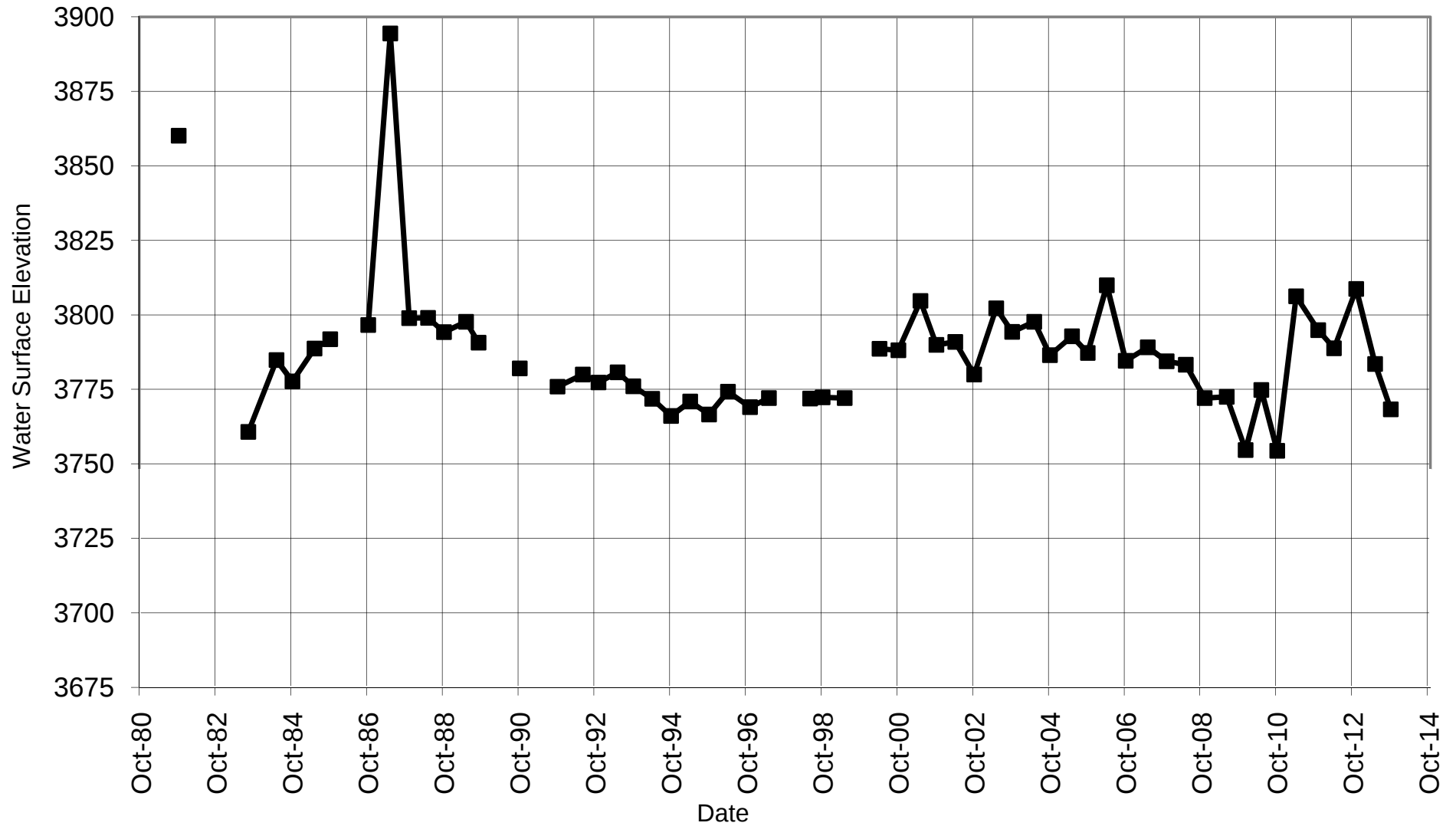
Only Wells with complete
Only Wells with complete

BOLD = Elevation								
Data Estimated						All Wells	May Data	Oct Data
May-01 - May-81						14.2	13.9	
Oct-01 - Oct-80						15.9		15.2
May-13 - May-01						-7.7	-6.4	
Oct-13 - Oct-01						-19.9		-12.7
May-13 - May-81						7.8	7.5	
Oct-13 - Oct-80						3.4		2.6



APPENDIX B

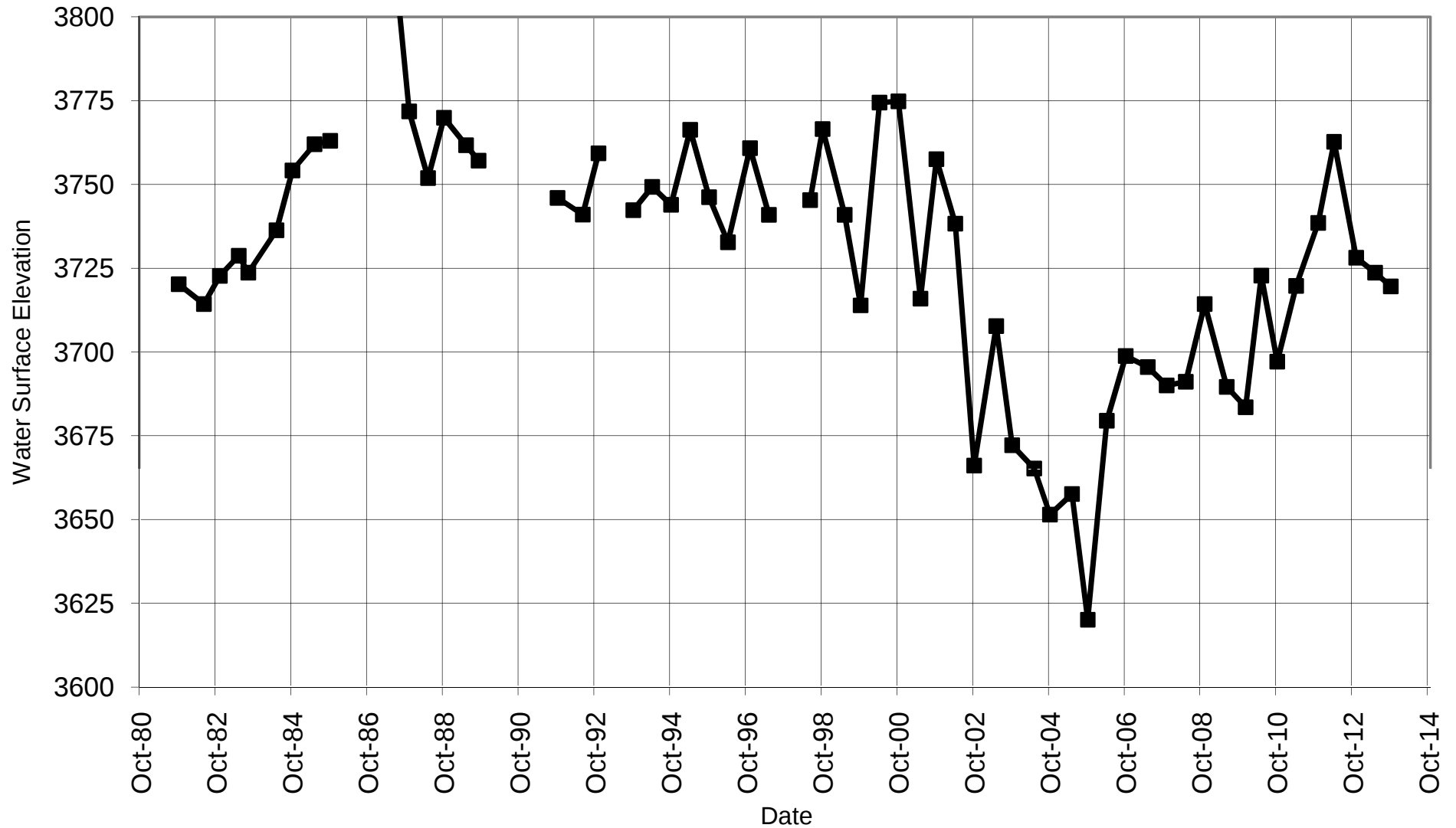
GROUNDWATER HYDROGRAPHS



WATER LEVEL HYDROGRAPH

Well 32S/32E-18R1

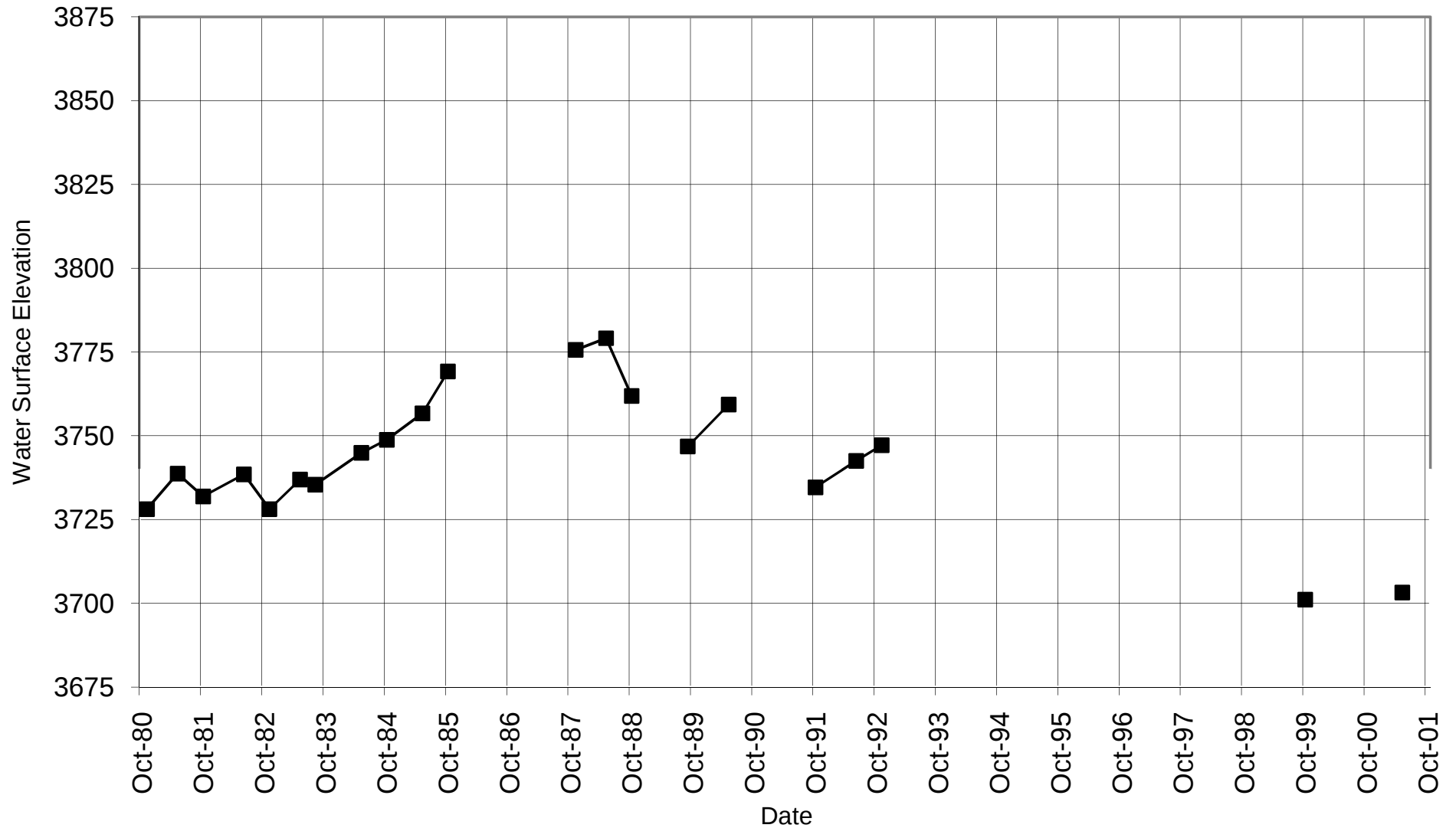
Cummings Basin



WATER LEVEL HYDROGRAPH

Well 32S/32E-19E1

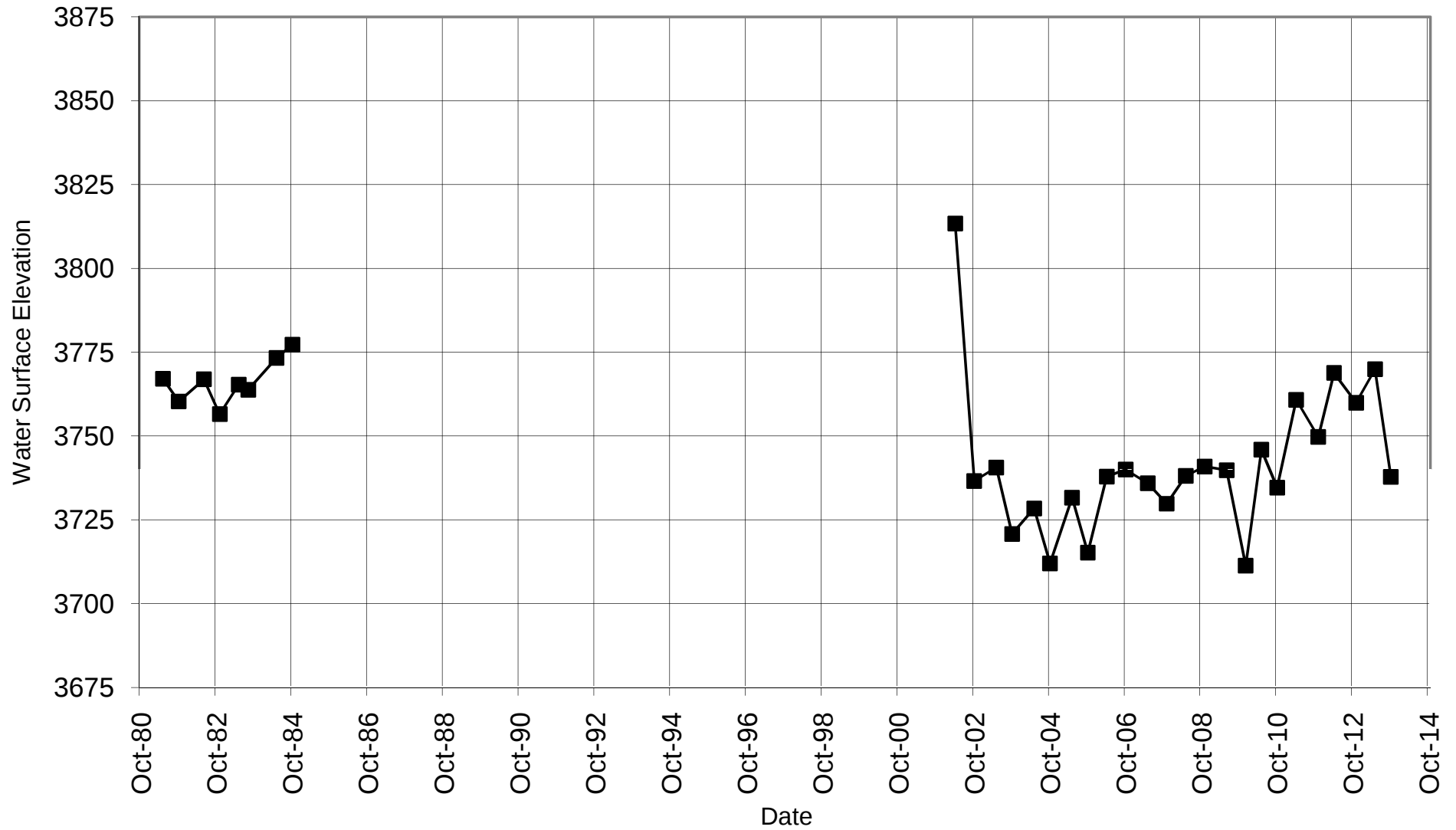
Cummings Basin



WATER LEVEL HYDROGRAPH

Well 32S/32E-19E2

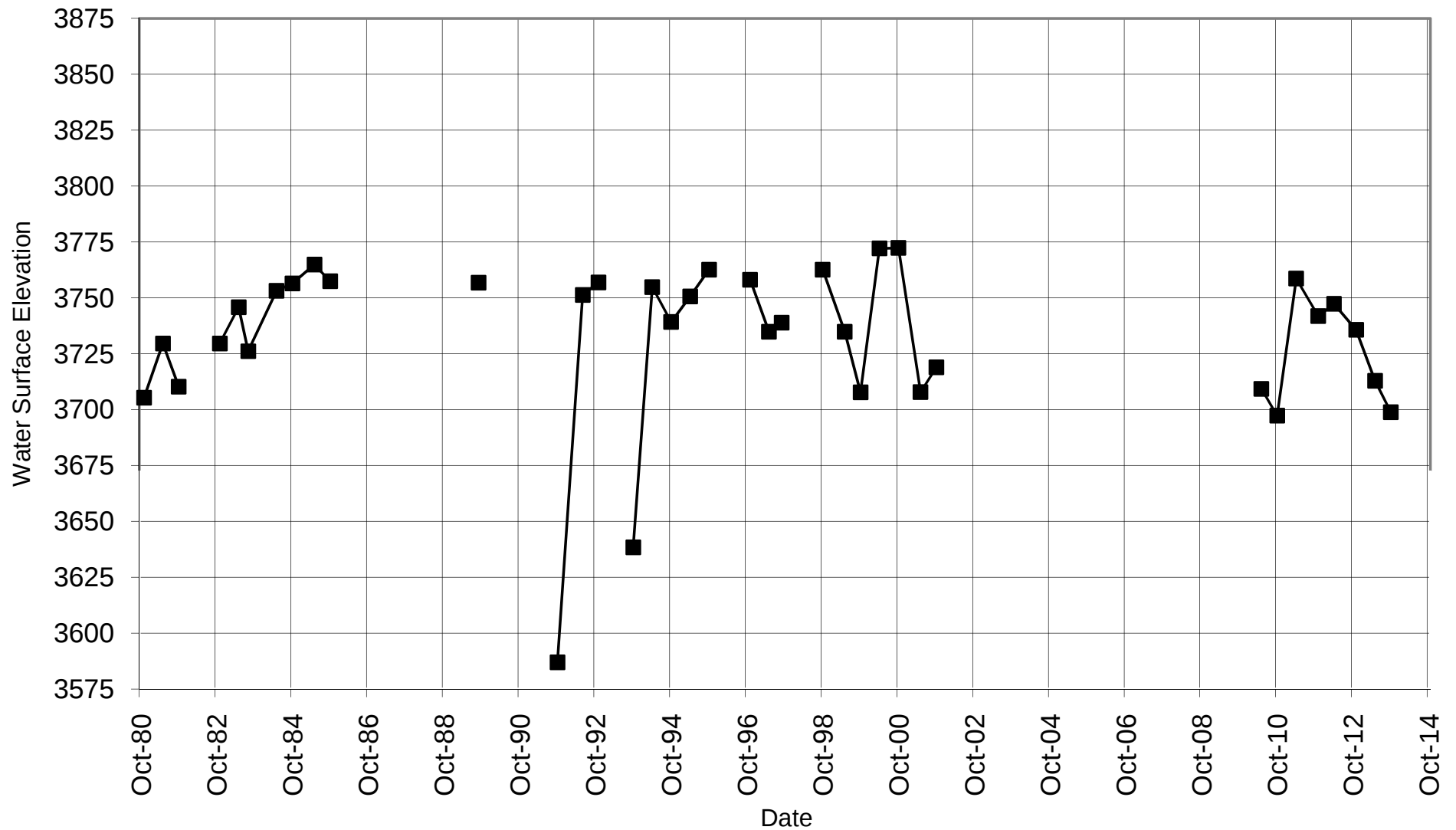
Cummings Basin



WATER LEVEL HYDROGRAPH

Well 32S/32E-19E3

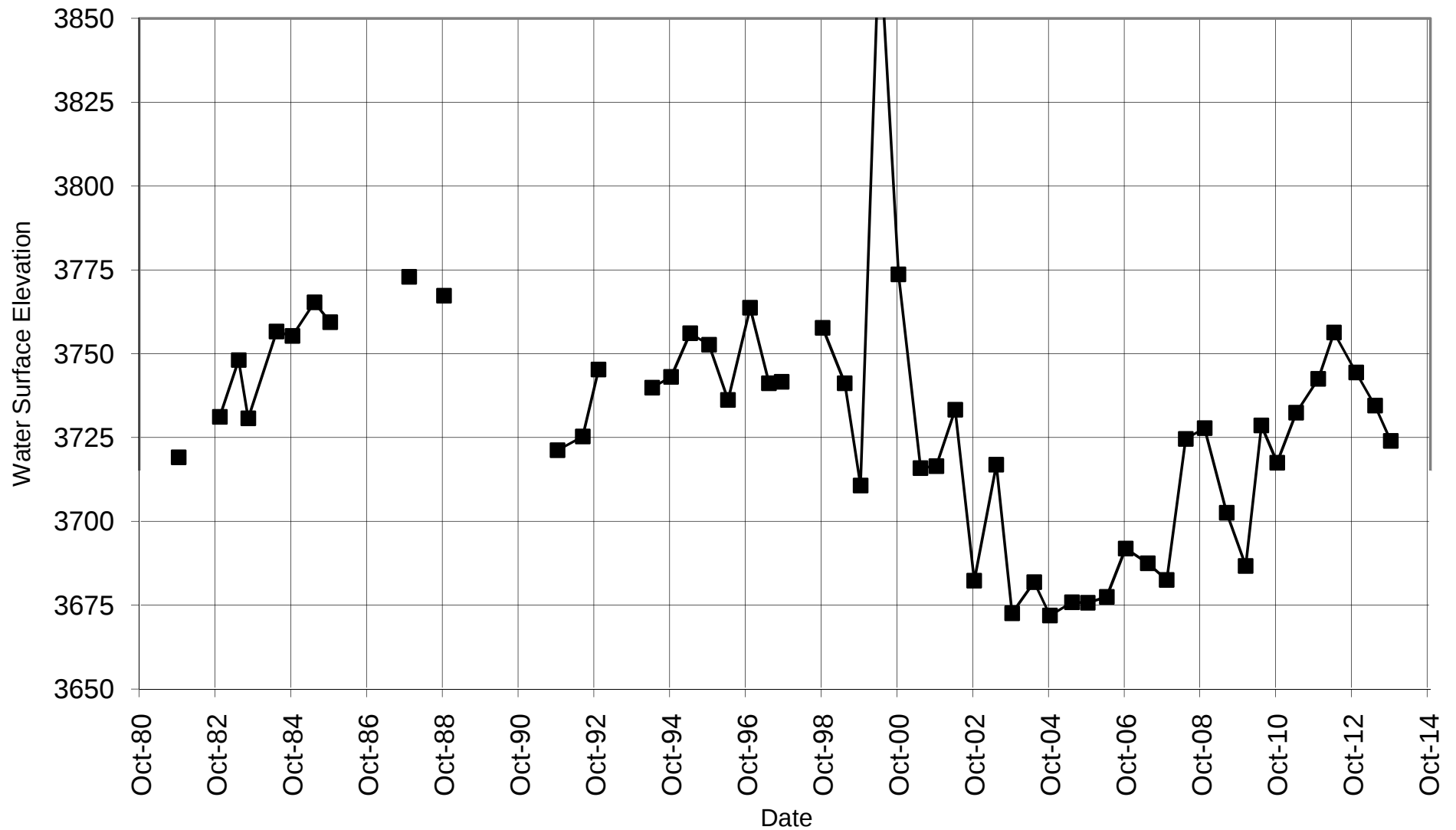
Cummings Basin



WATER LEVEL HYDROGRAPH

Well 32S/32E-19F1

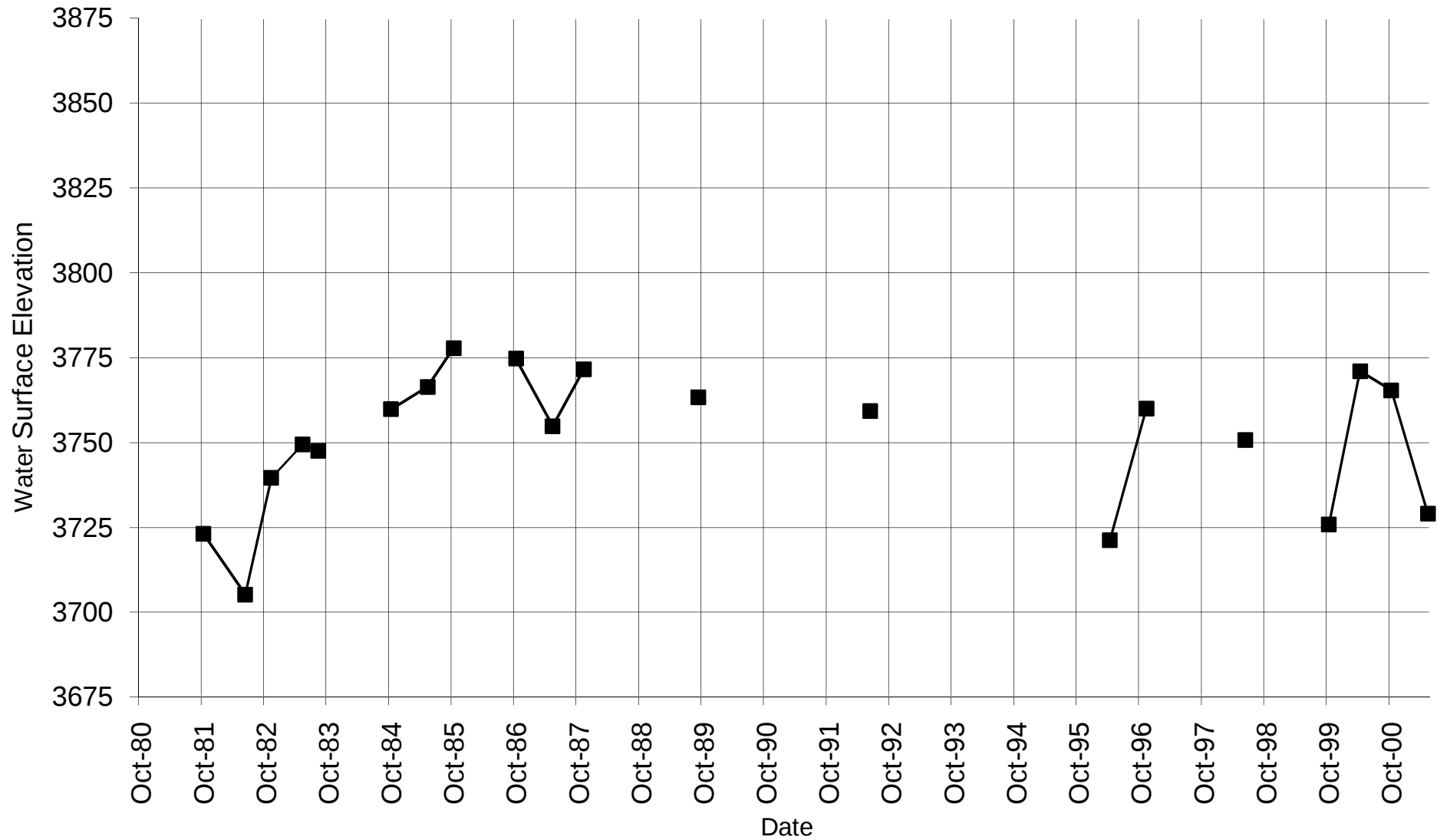
Cummings Basin



WATER LEVEL HYDROGRAPH

Well 32S/32E-19F2

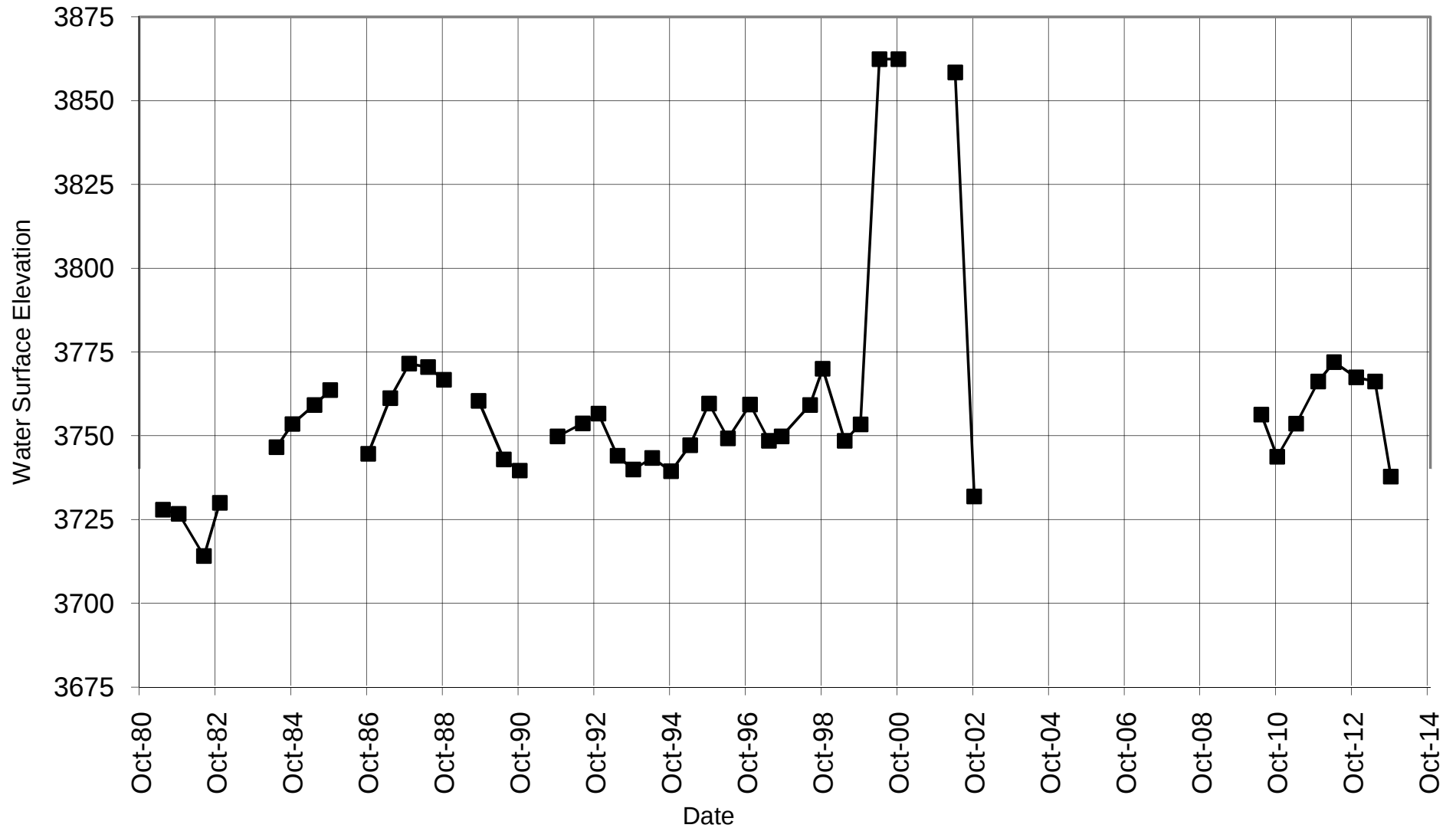
Cummings Basin



WATER LEVEL HYDROGRAPH

Well 32S/32E-19G1

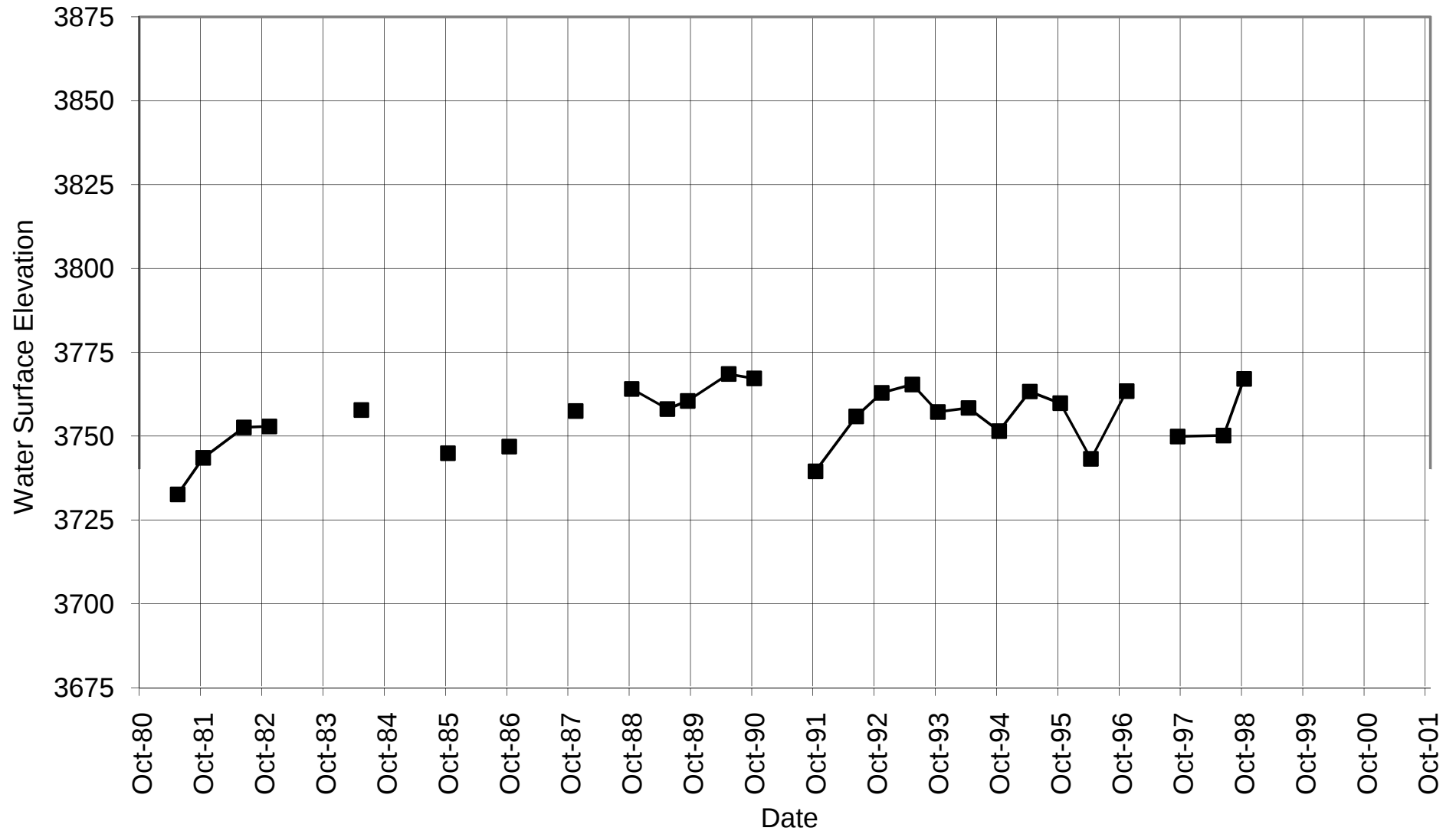
Cummings Basin



WATER LEVEL HYDROGRAPH

Well 32S/32E-19L1

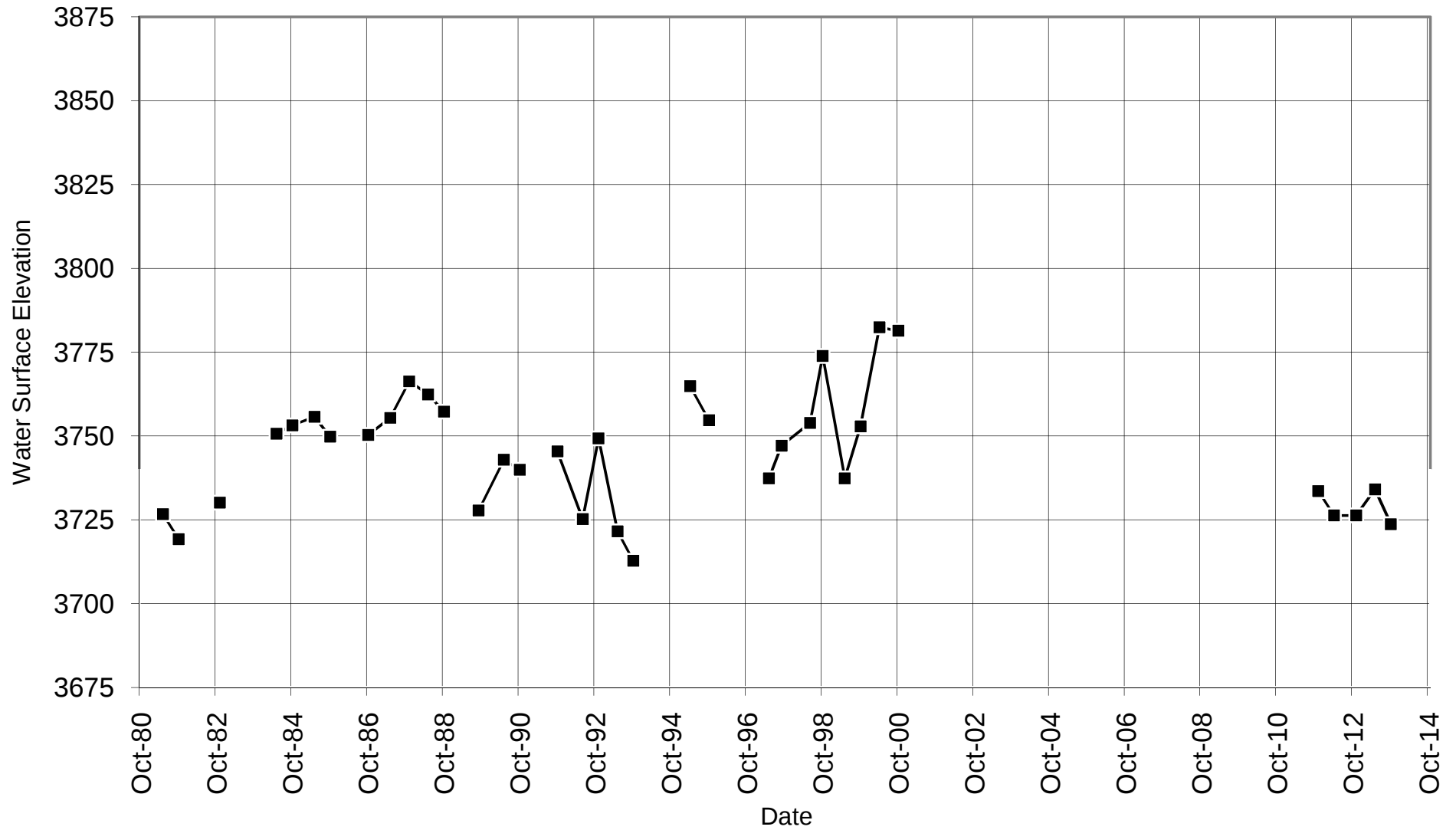
Cummings Basin



WATER LEVEL HYDROGRAPH

Well 32S/32E-19Q2

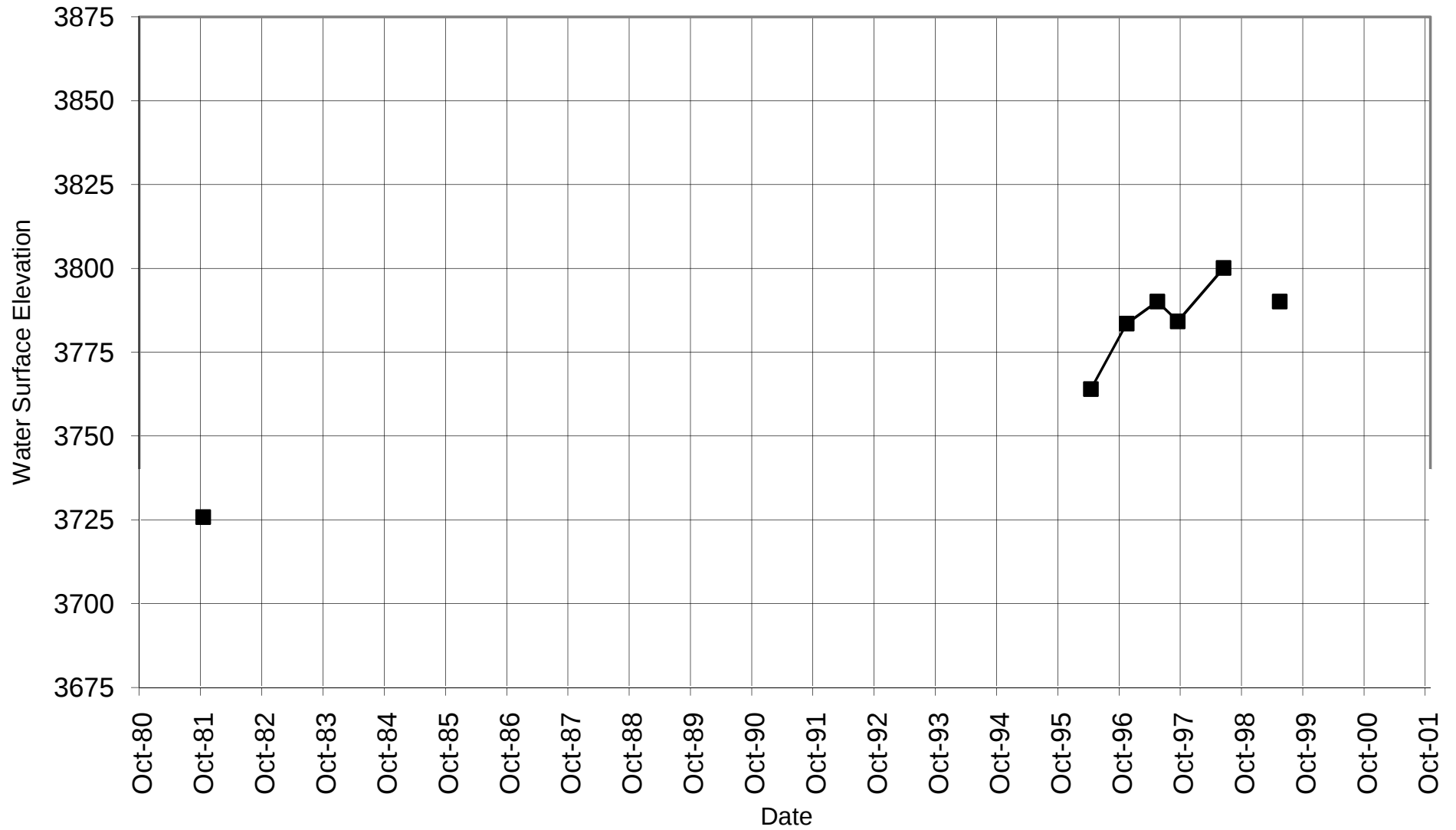
Cummings Basin



WATER LEVEL HYDROGRAPH

Well 32S/32E-19Q3

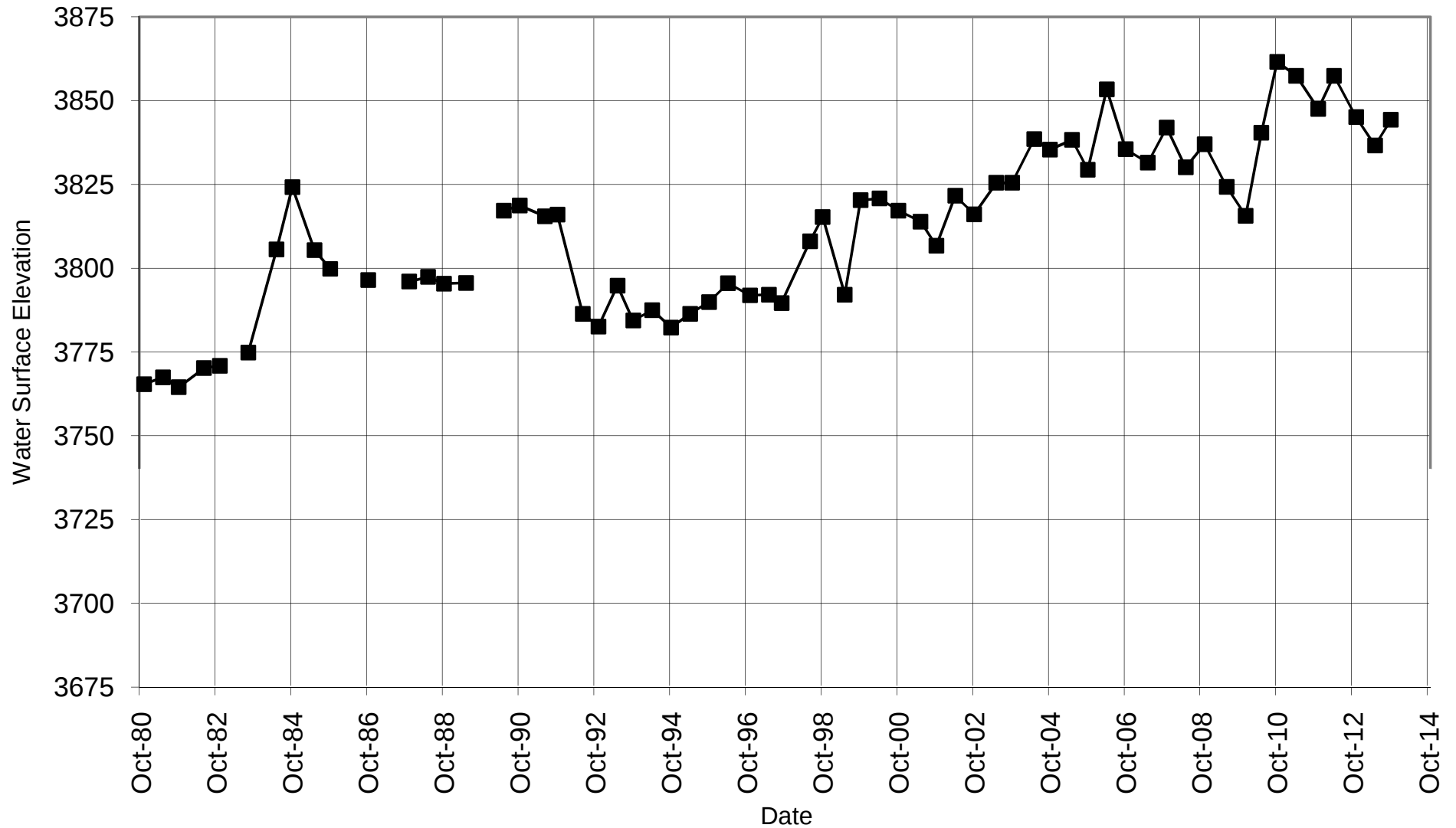
Cummings Basin



WATER LEVEL HYDROGRAPH

Well 32S/32E-20E1

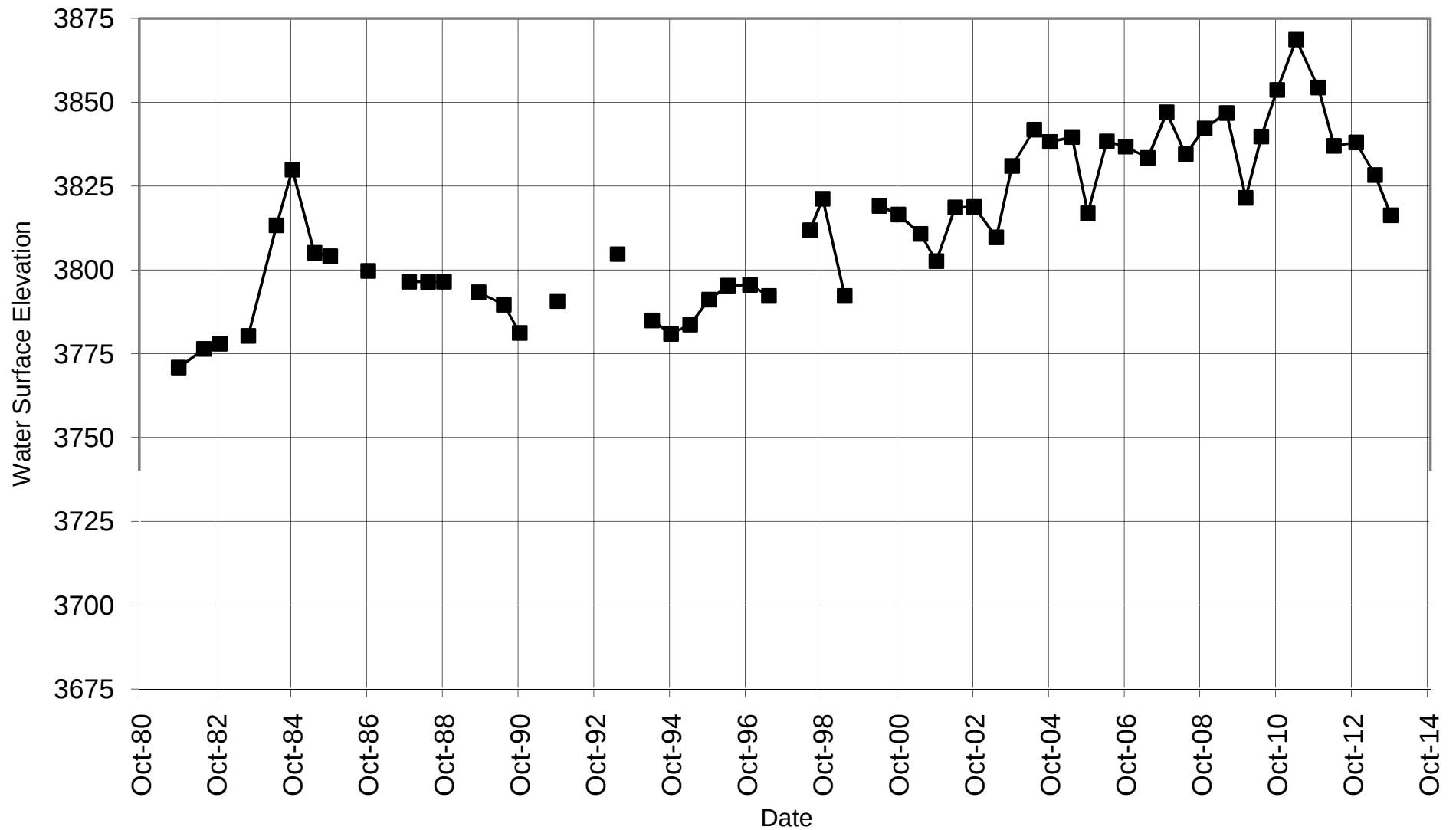
Cummings Basin



WATER LEVEL HYDROGRAPH

Well 32S/32E-20M1

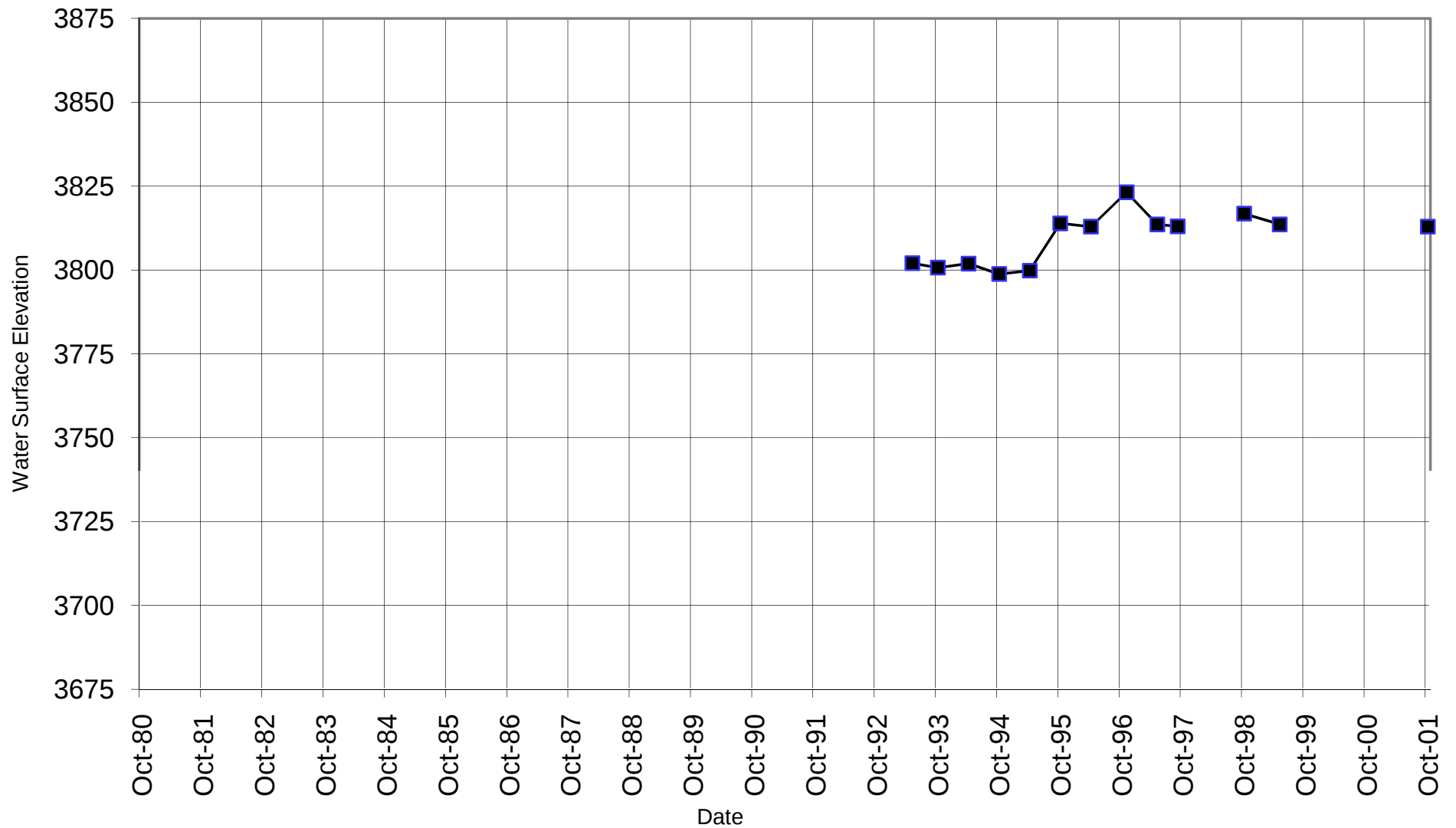
Cummings Basin



WATER LEVEL HYDROGRAPH

Well 32S/32E-20M2

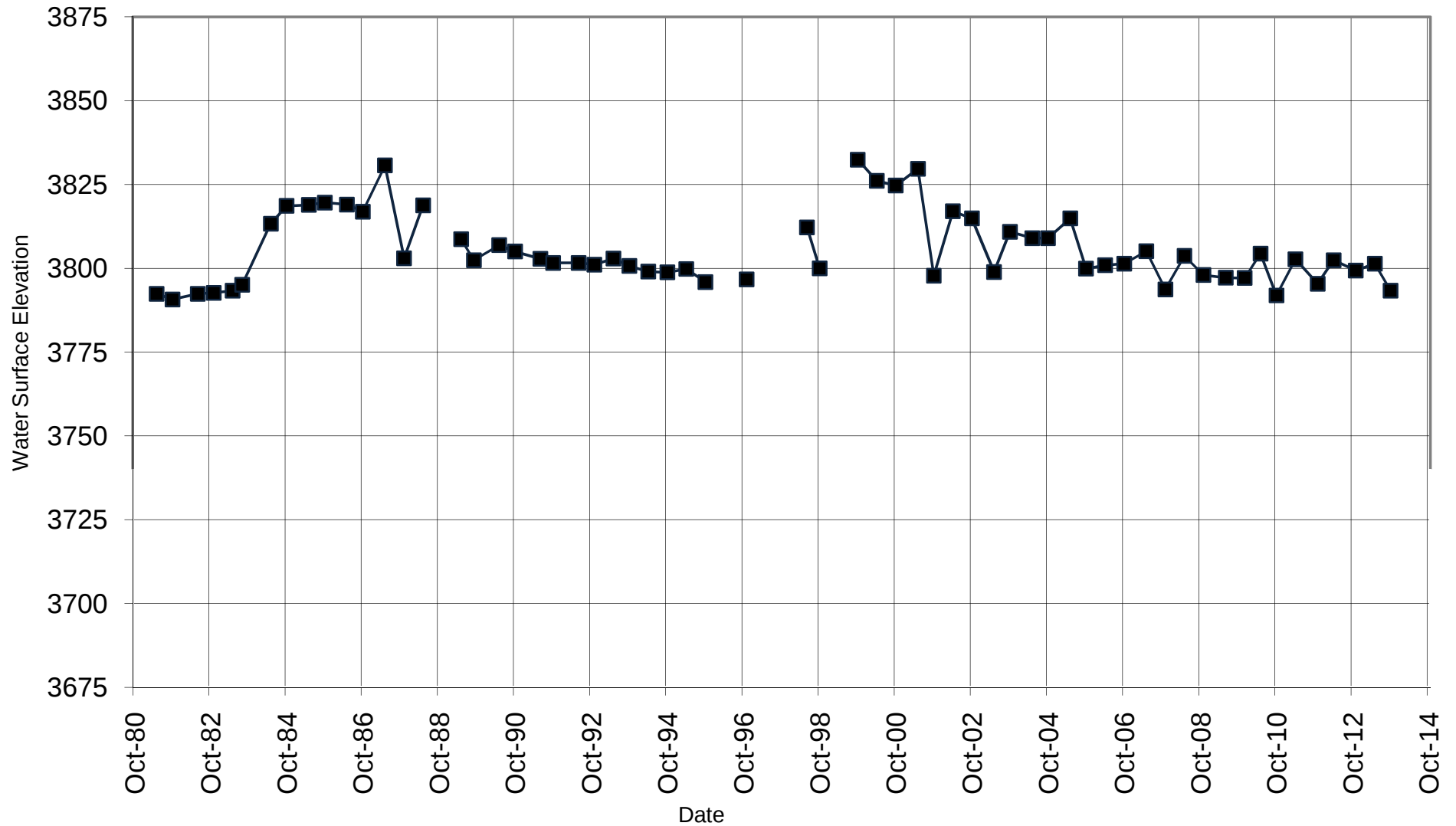
Cummings Basin



WATER LEVEL HYDROGRAPH

Well 32S/31E-23P1

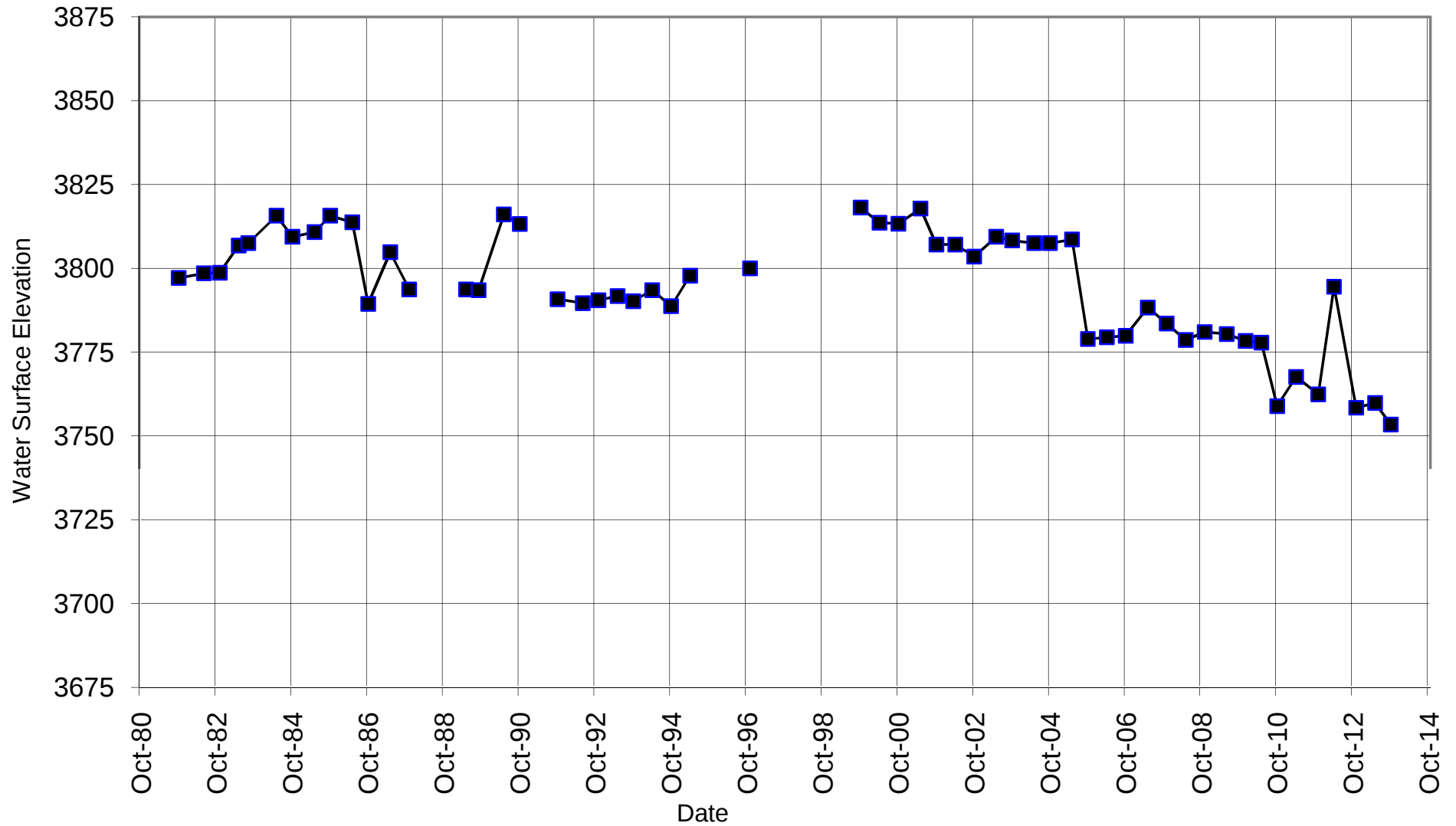
Cummings Basin



WATER LEVEL HYDROGRAPH

Well 32S/31E-23Q1

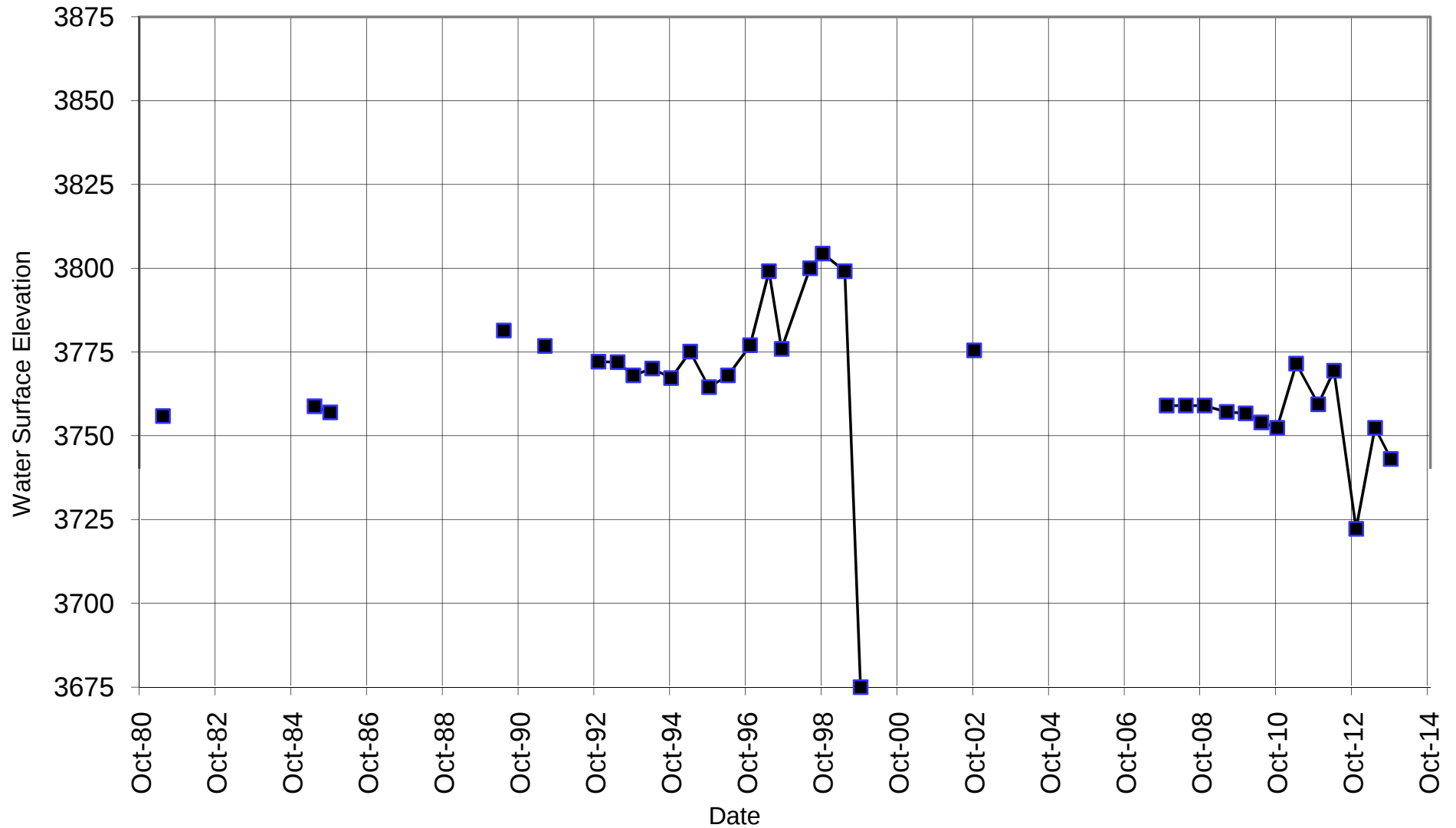
Cummings Basin



WATER LEVEL HYDROGRAPH

Well 32S/31E-23R1

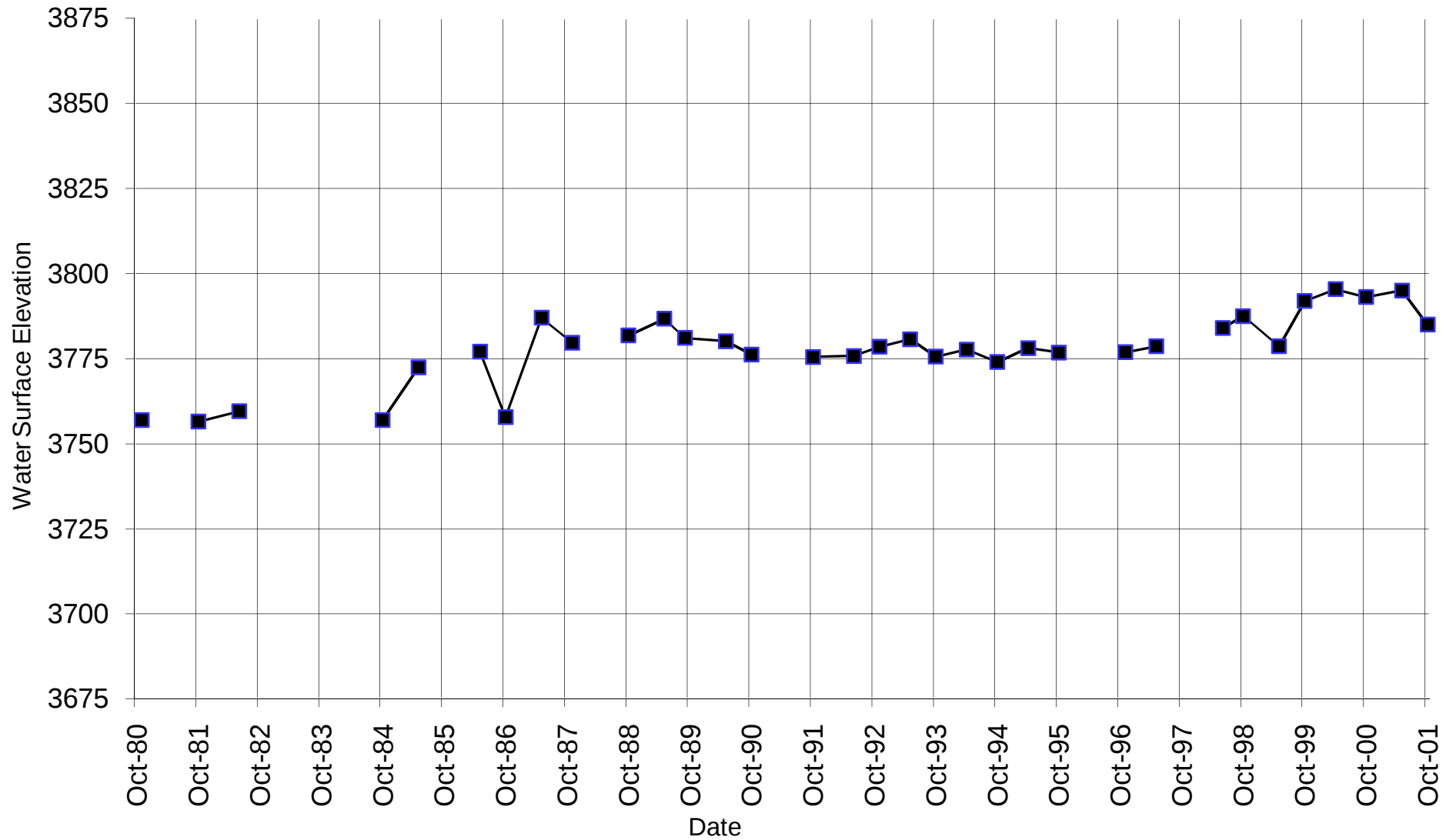
Cummings Basin



WATER LEVEL HYDROGRAPH

Well 32S/31E-24J1

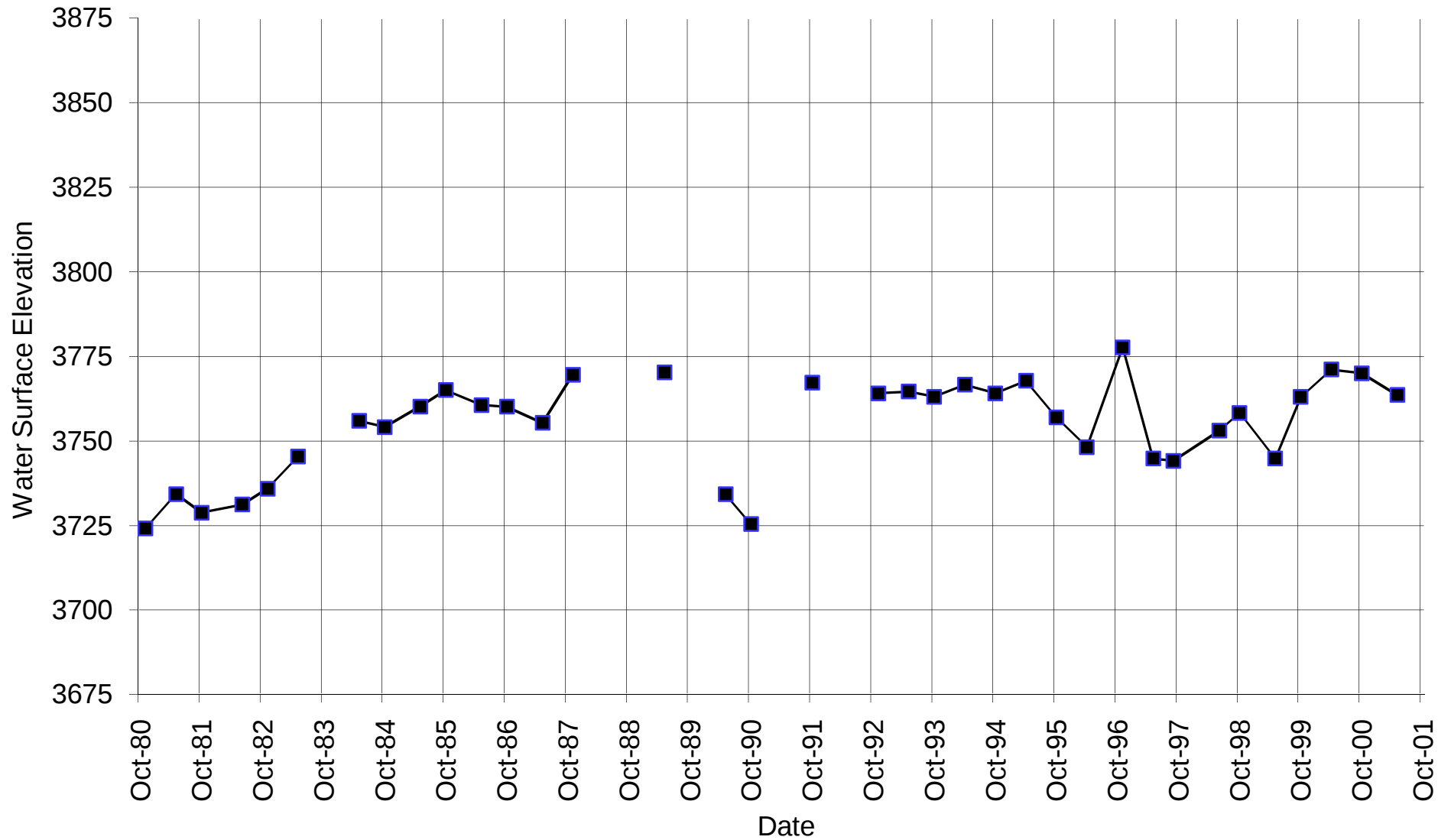
Cummings Basin



WATER LEVEL HYDROGRAPH

Well 32S/31E-24J2

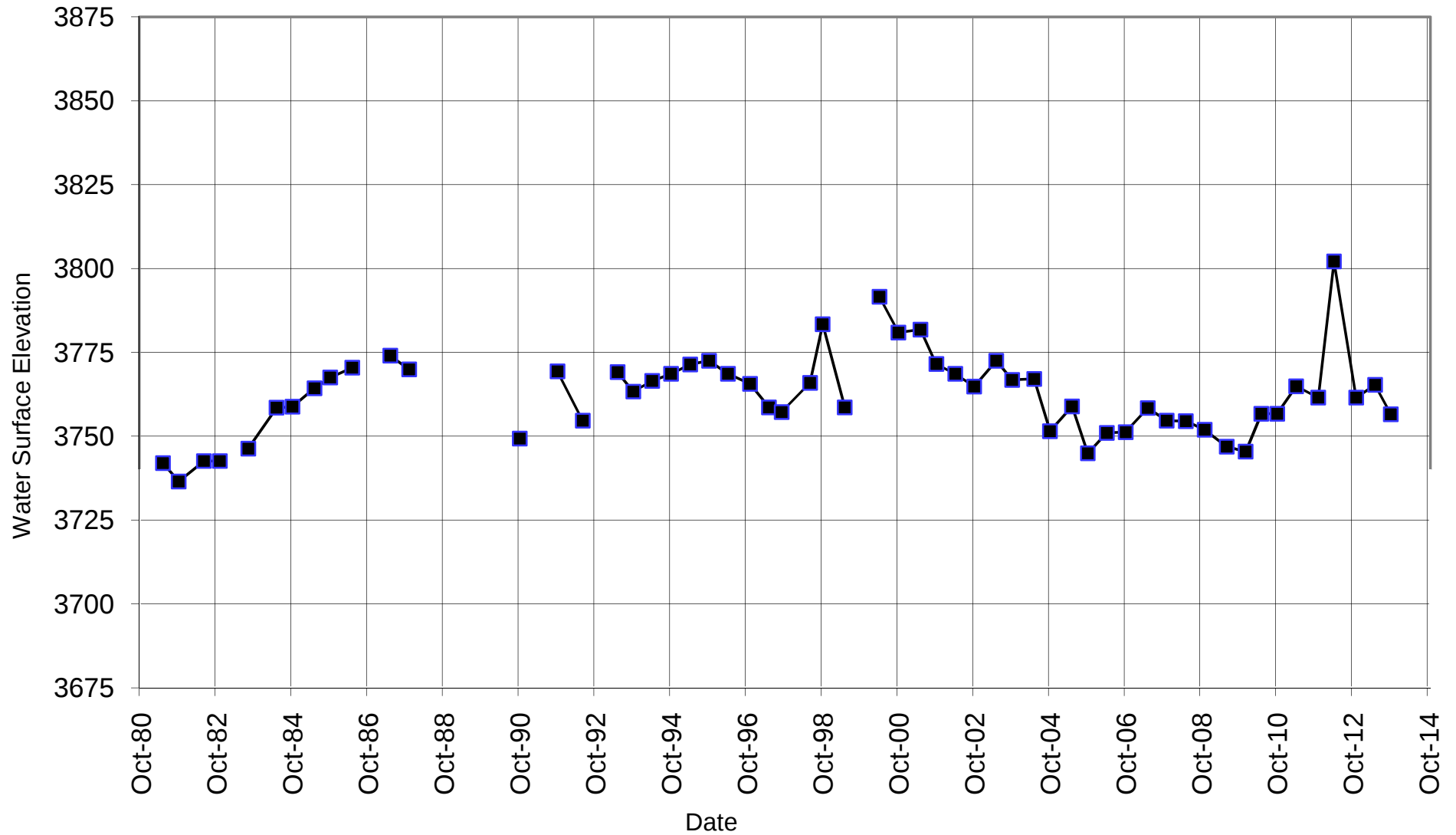
Cummings Basin



WATER LEVEL HYDROGRAPH

Well 32S/31E-25L1

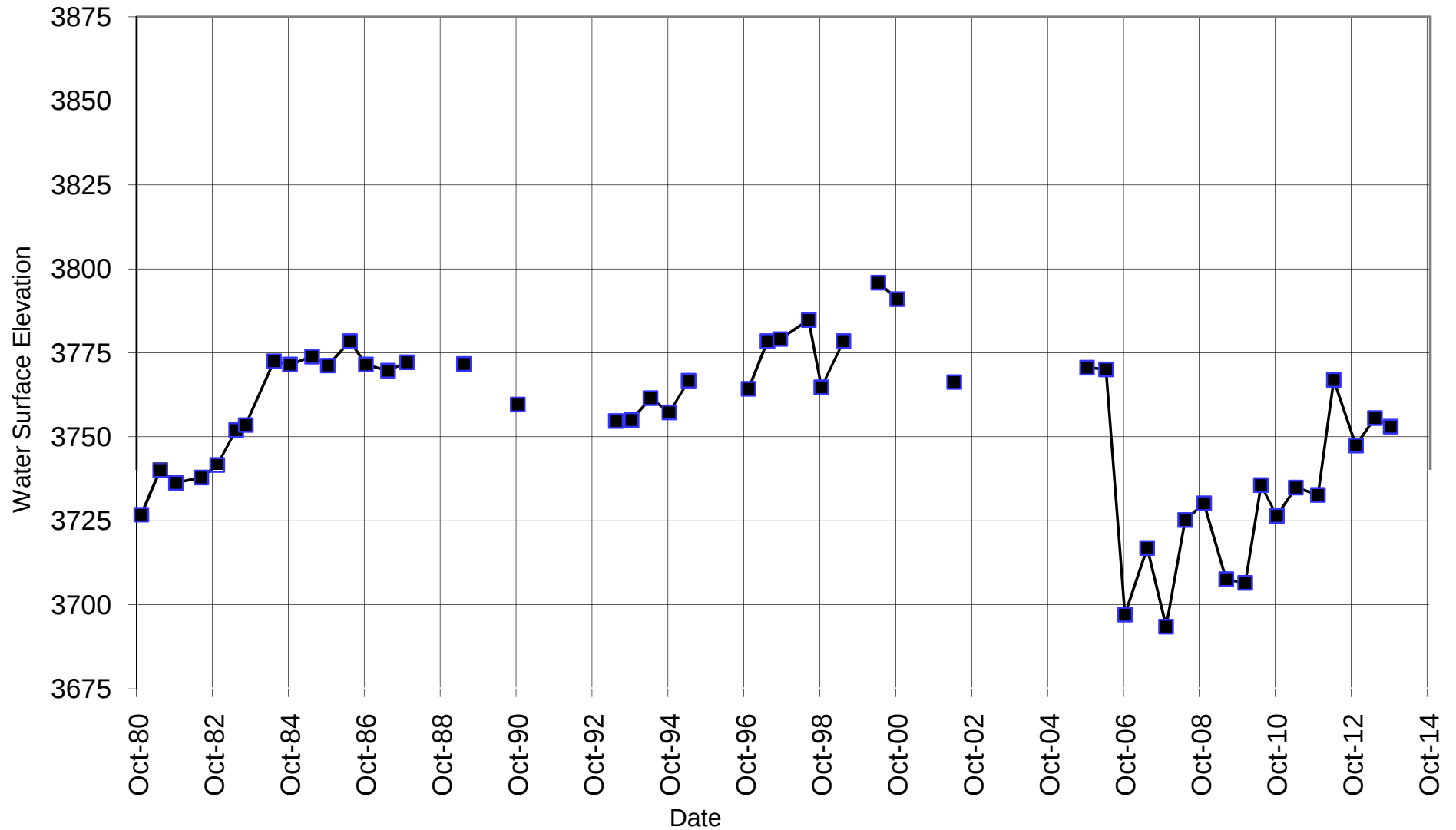
Cummings Basin



WATER LEVEL HYDROGRAPH

Well 32S/31E-25P1

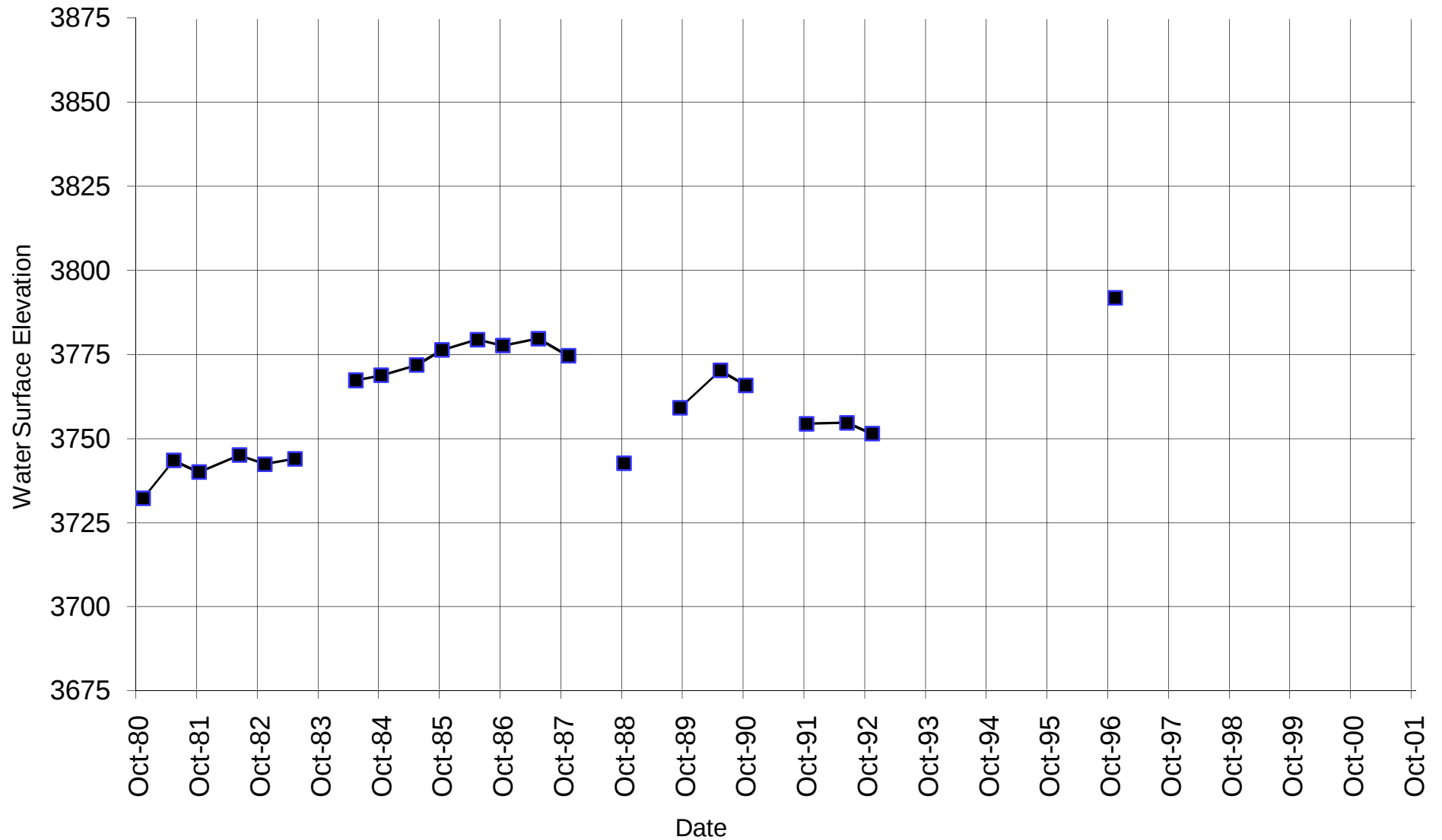
Cummings Basin



WATER LEVEL HYDROGRAPH

Well 32S/31E-25R1

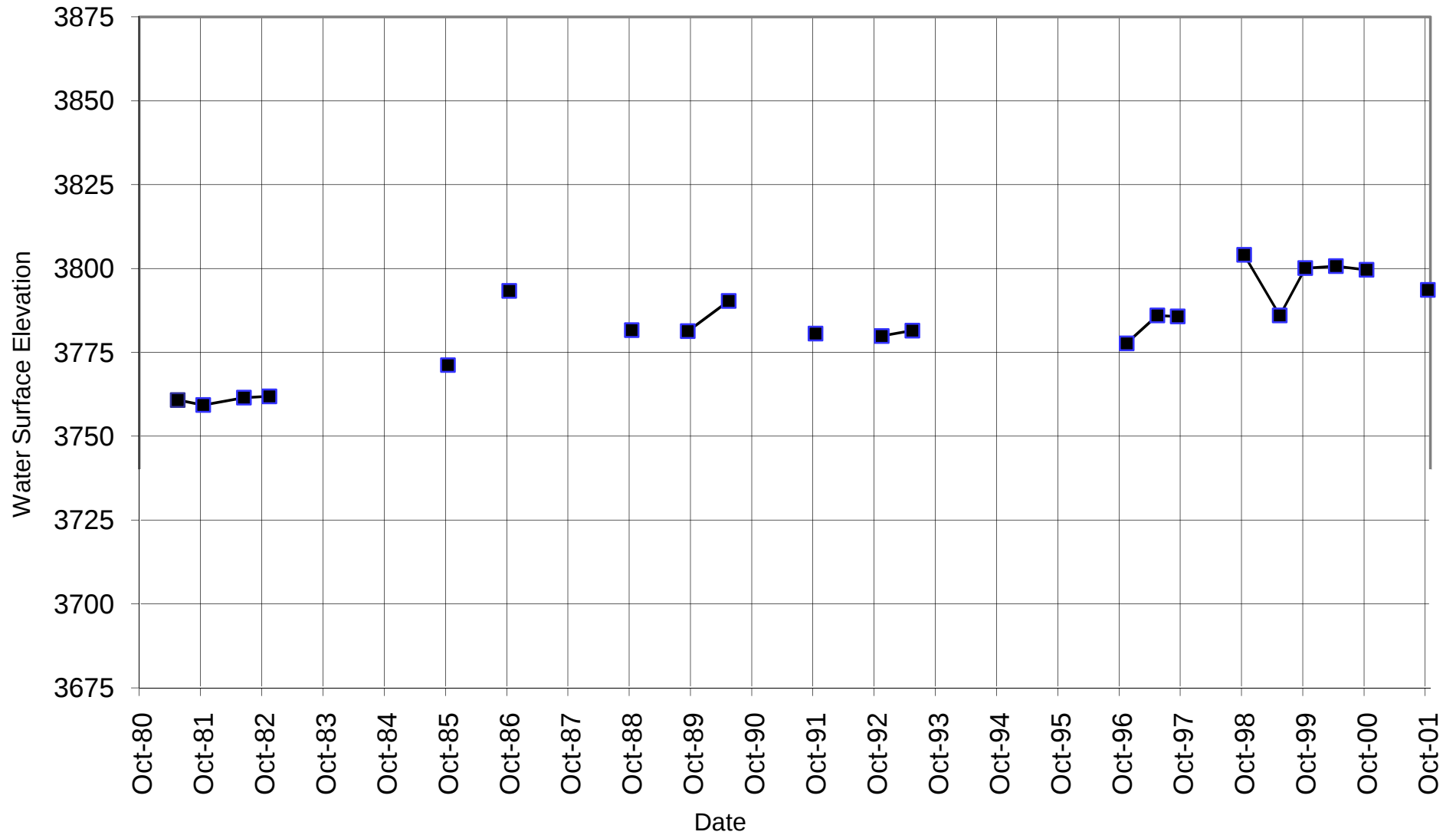
Cummings Basin



WATER LEVEL HYDROGRAPH

Well 32S/31E-25R2

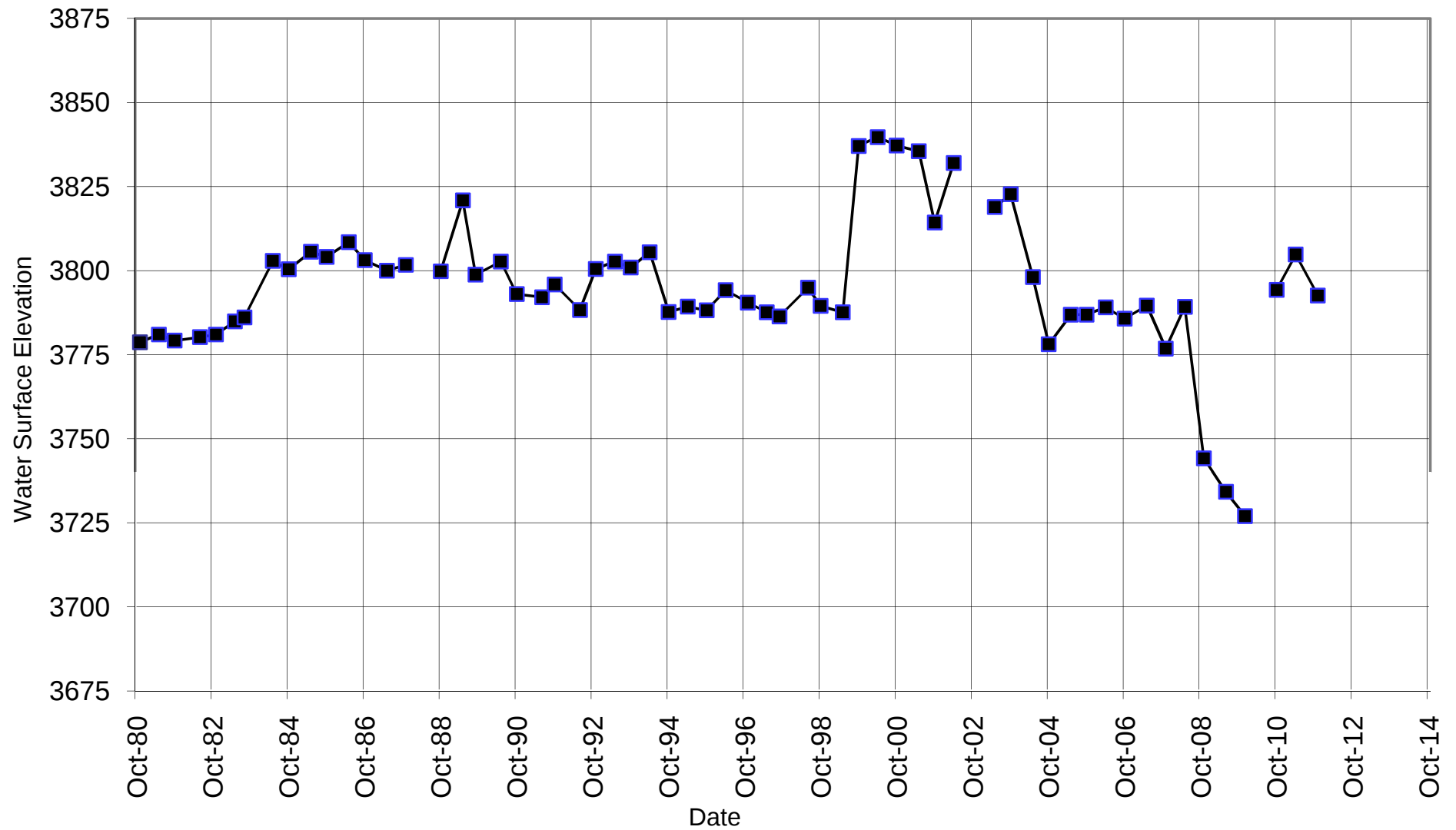
Cummings Basin



WATER LEVEL HYDROGRAPH

Well 32S/31E-26A1

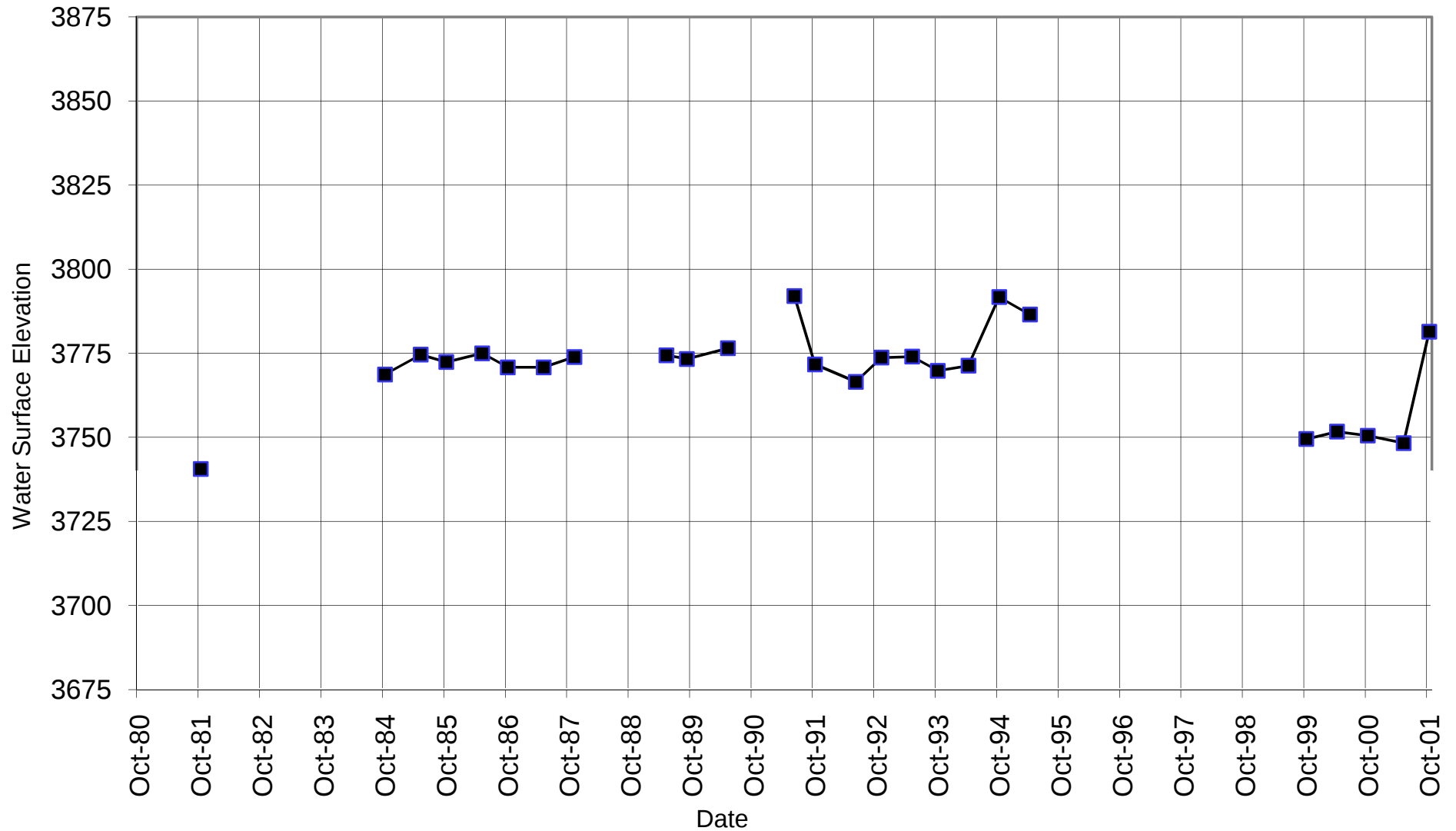
Cummings Basin



WATER LEVEL HYDROGRAPH

Well 32S/31E-26D1

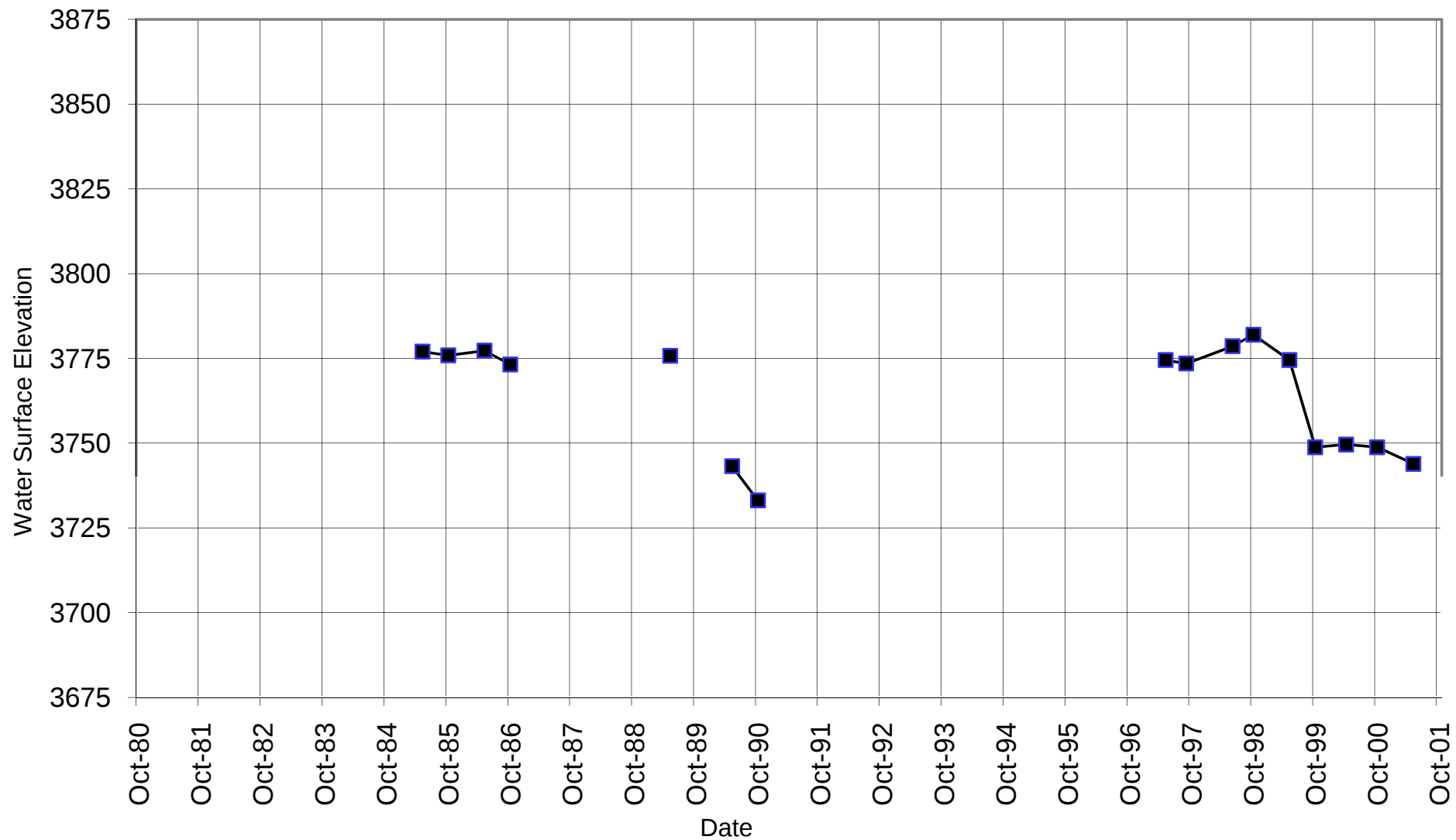
Cummings Basin



WATER LEVEL HYDROGRAPH

Well 32S/31E-26K1

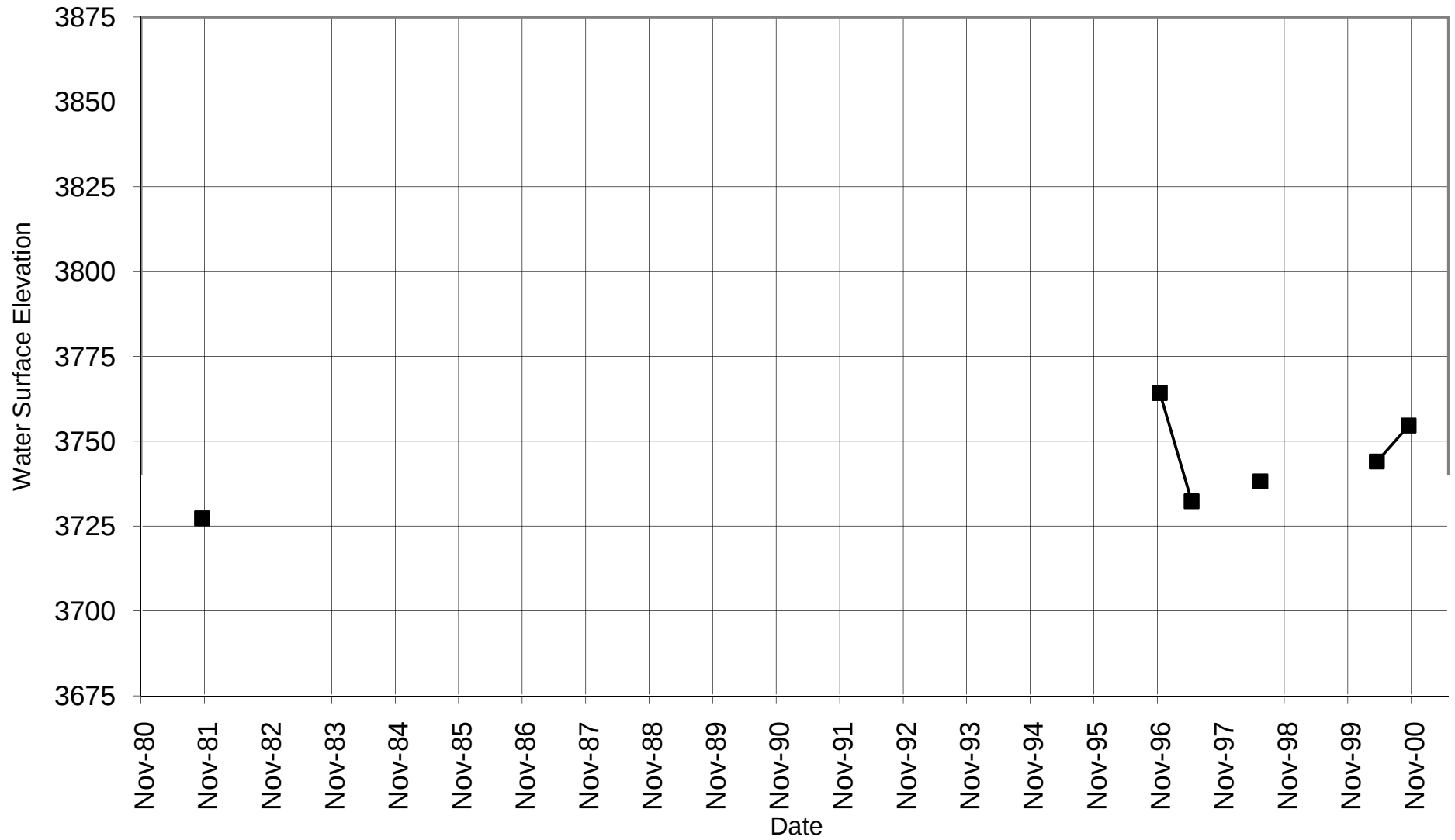
Cummings Basin



WATER LEVEL HYDROGRAPH

Well 32S/31E-26L1

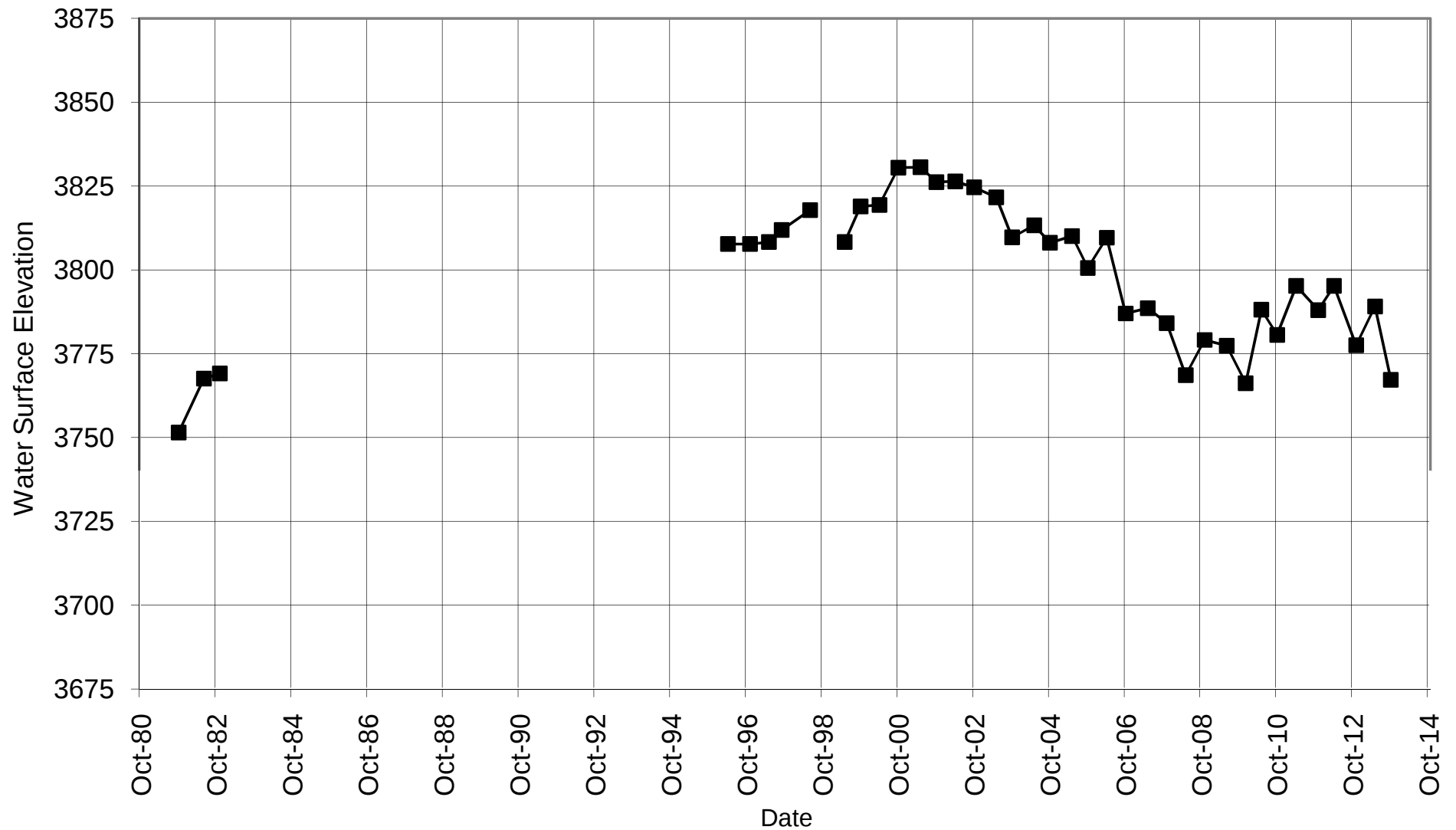
Cummings Basin



WATER LEVEL HYDROGRAPH

Well 32S/32E-30C1

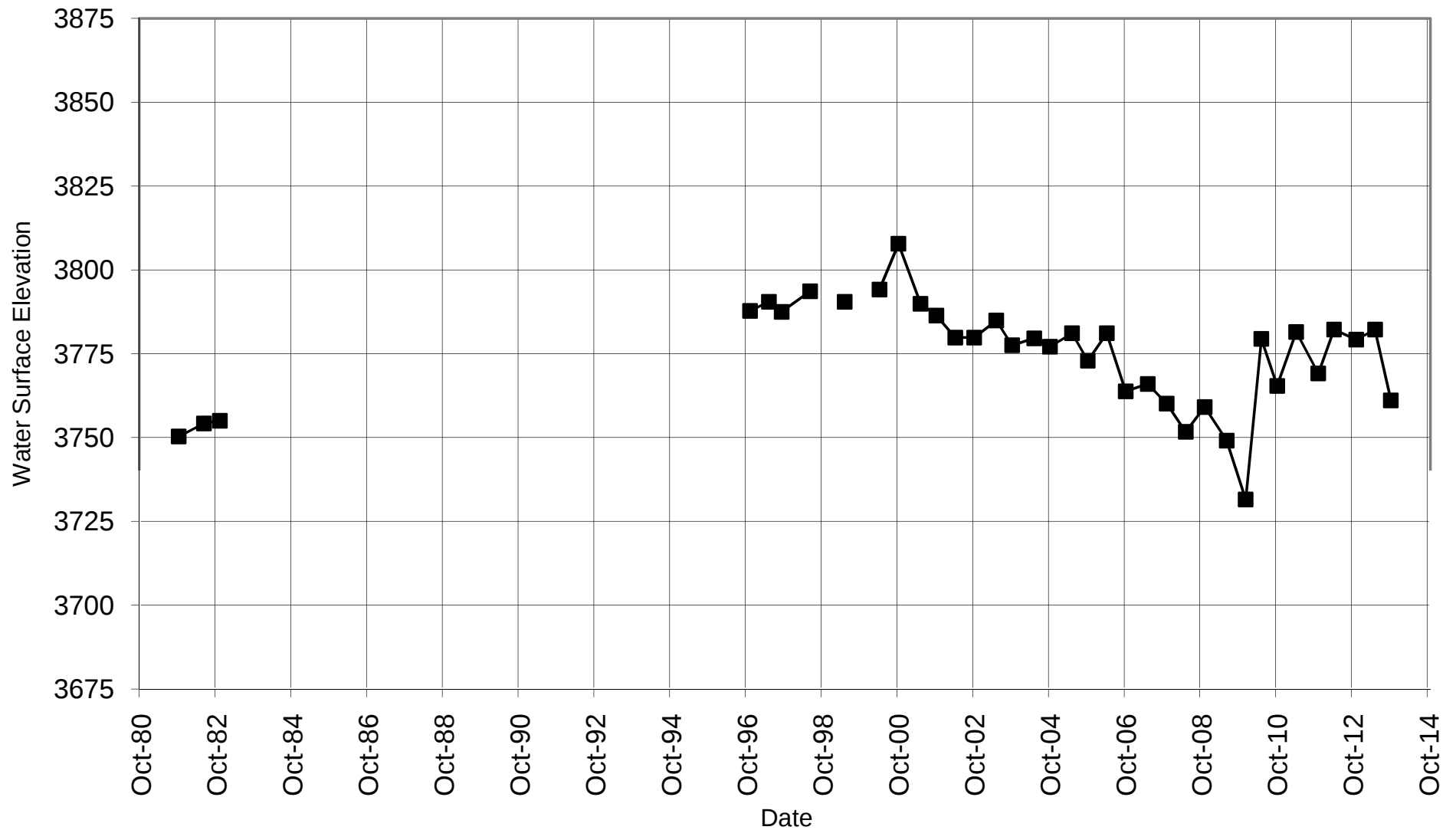
Cummings Basin



WATER LEVEL HYDROGRAPH

Well 32S/32E-30K1

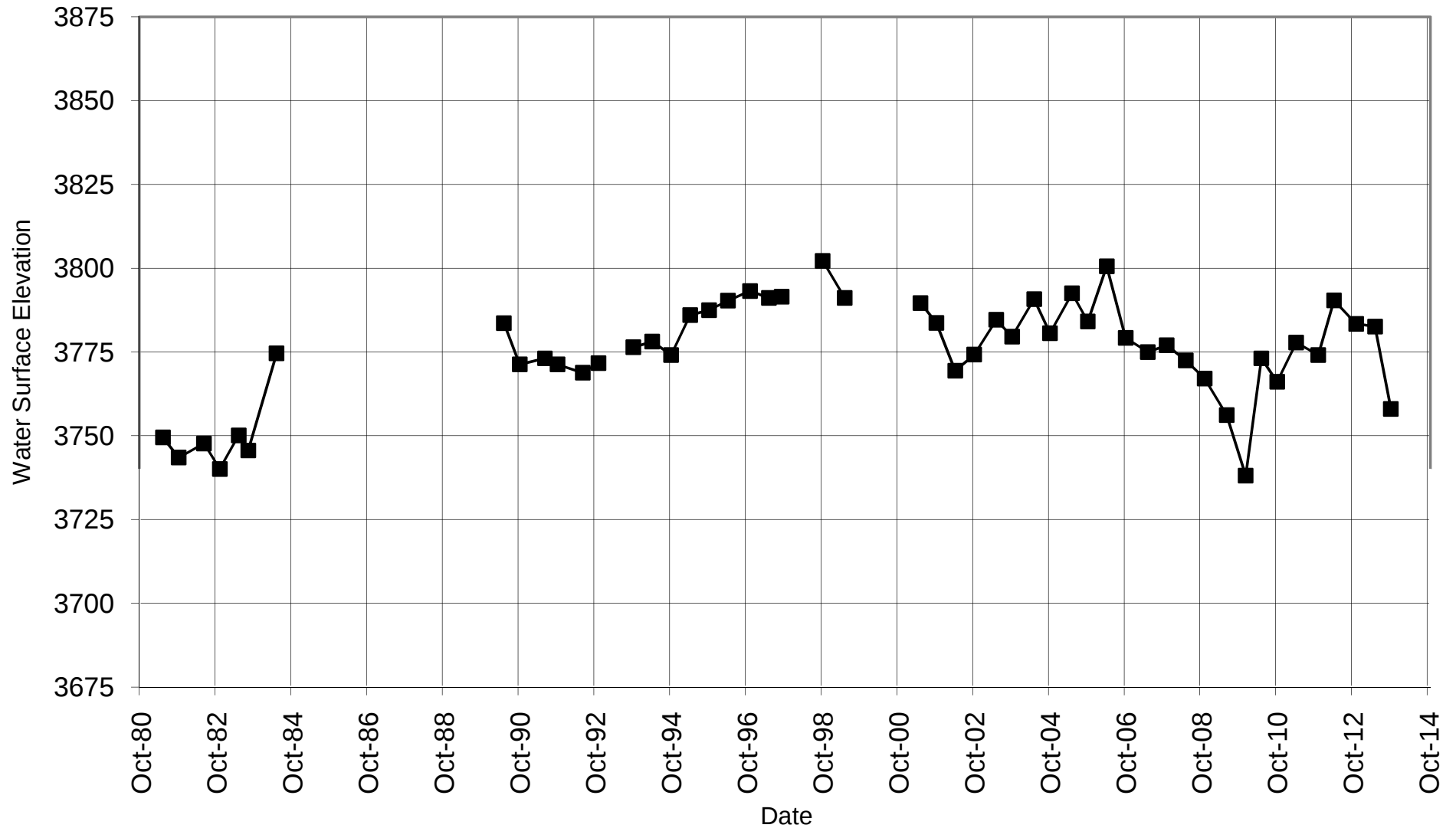
Cummings Basin



WATER LEVEL HYDROGRAPH

Well 32S/32E-30K3

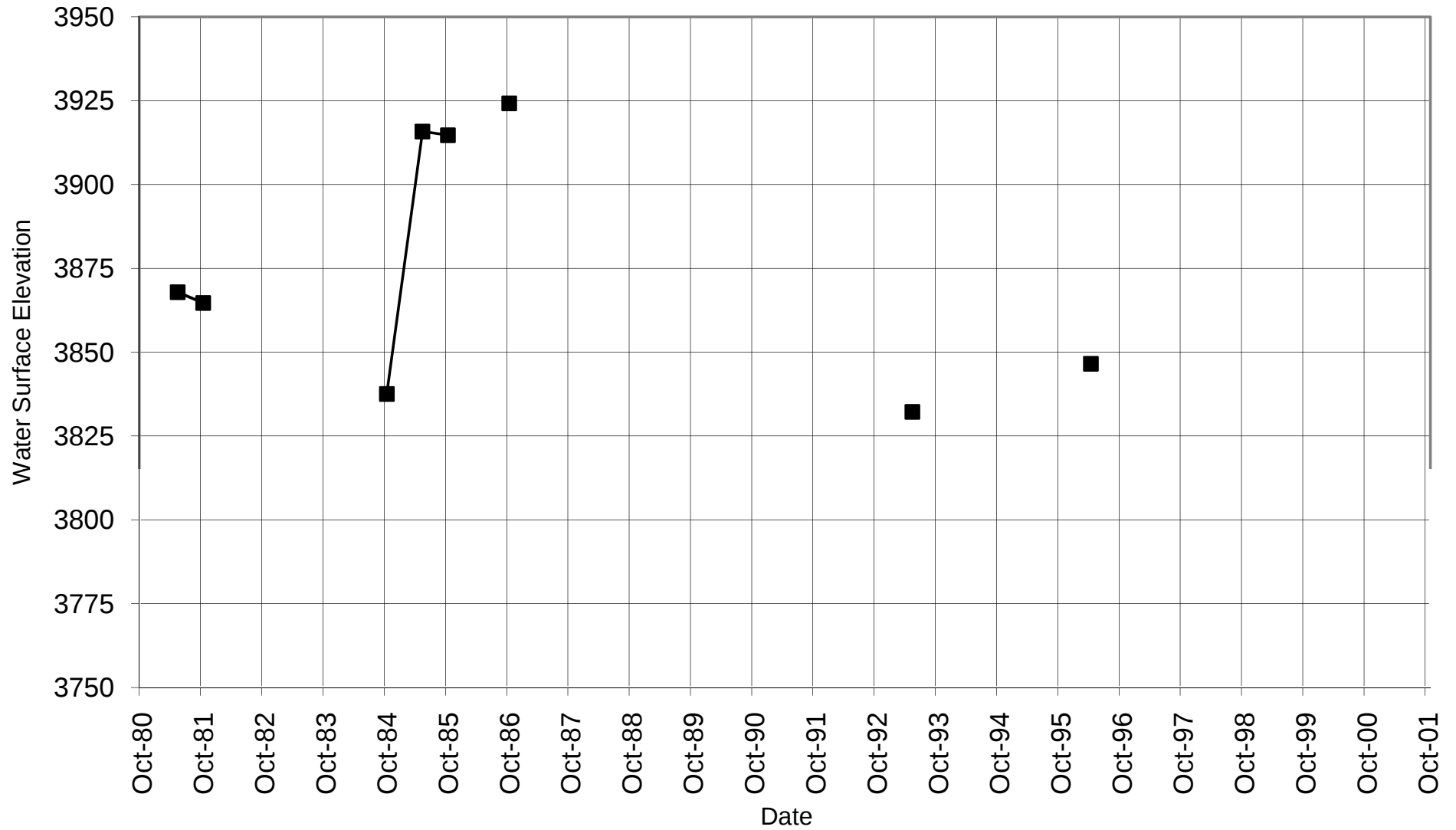
Cummings Basin



WATER LEVEL HYDROGRAPH

Well 32S/32E-30P1

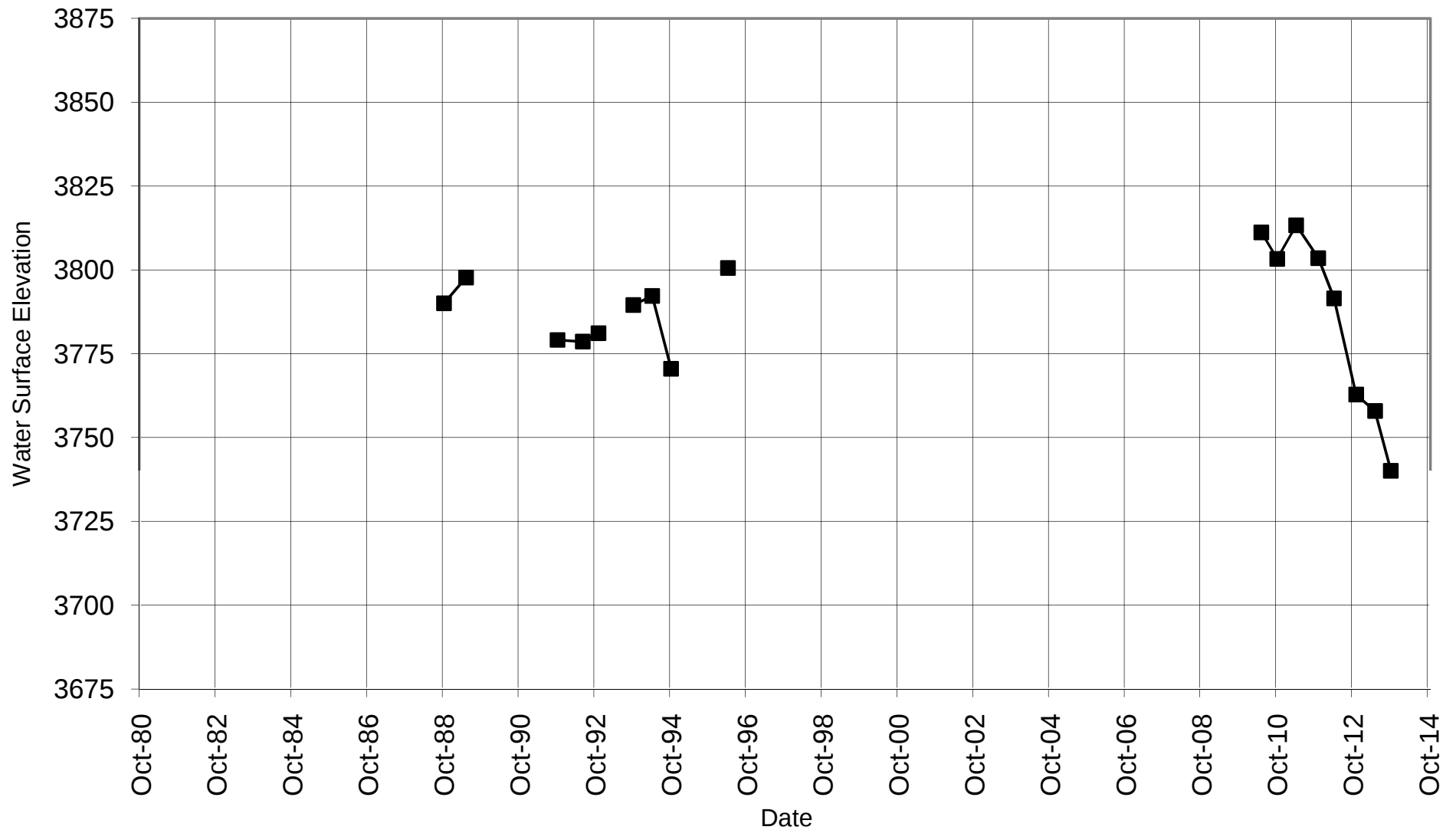
Cummings Basin



WATER LEVEL HYDROGRAPH

Well 32S/32E-31A1

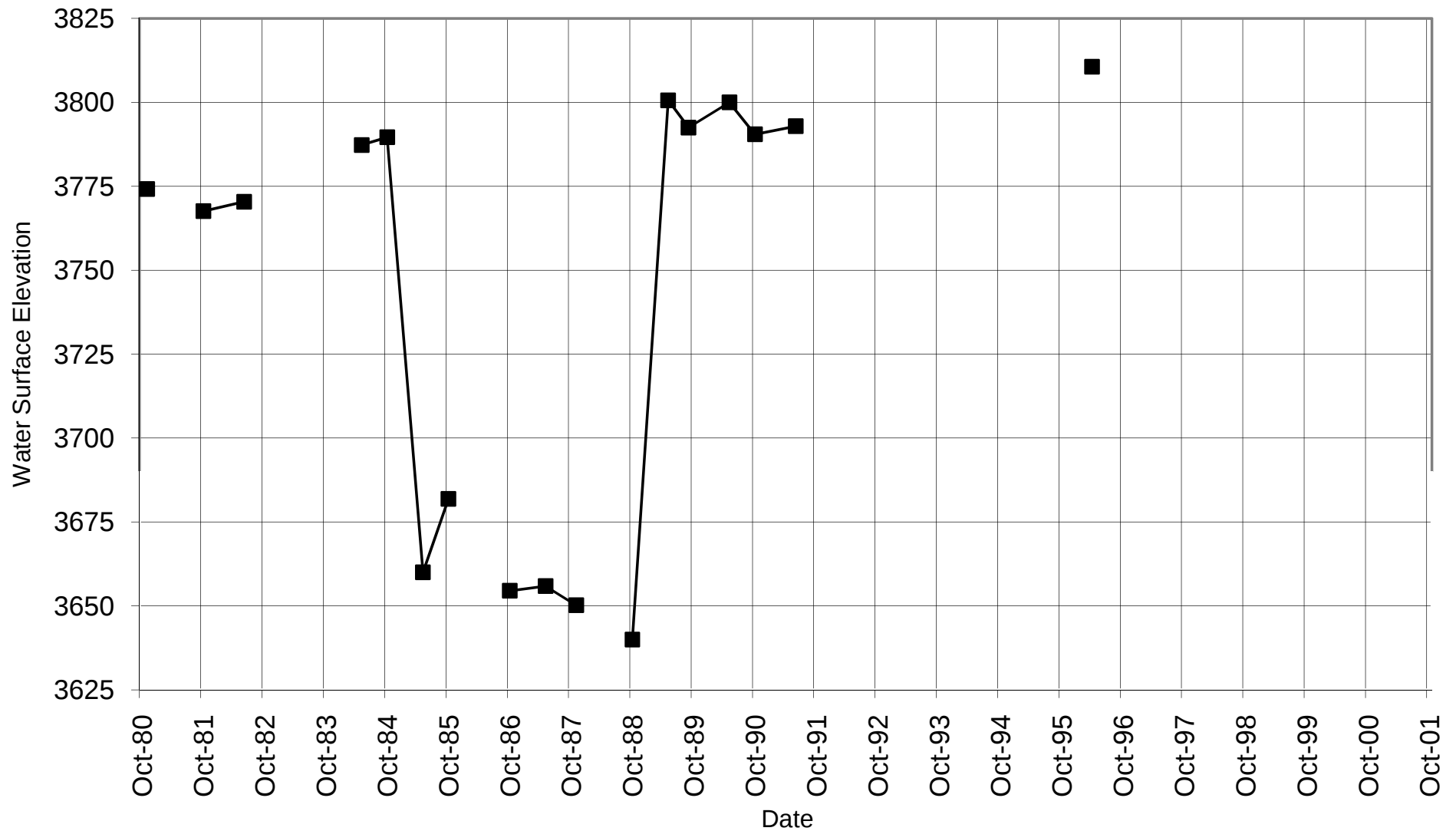
Cummings Basin



WATER LEVEL HYDROGRAPH

Well 32S/32E-31B1

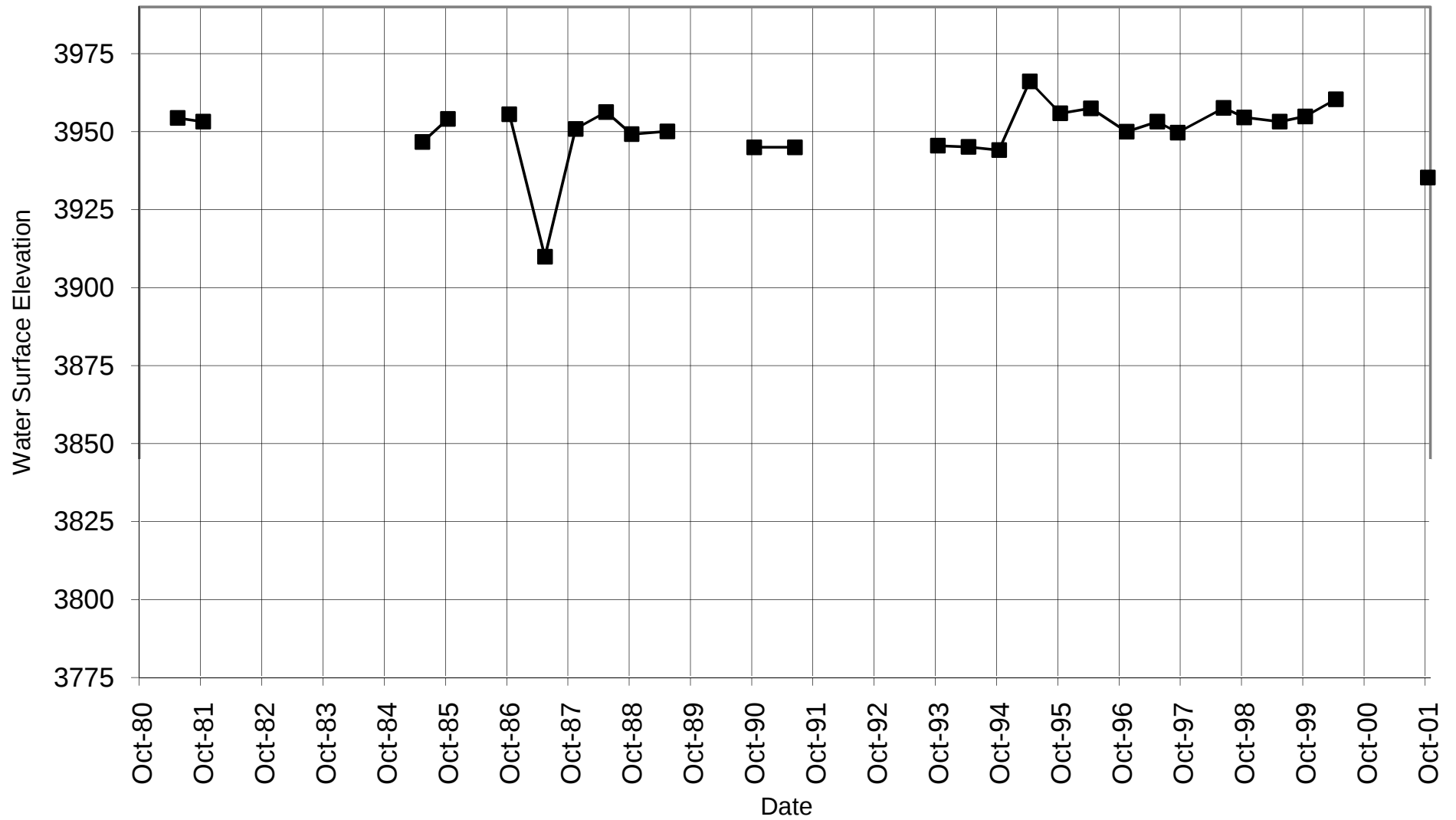
Cummings Basin



WATER LEVEL HYDROGRAPH

Well 32S/32E-31B2

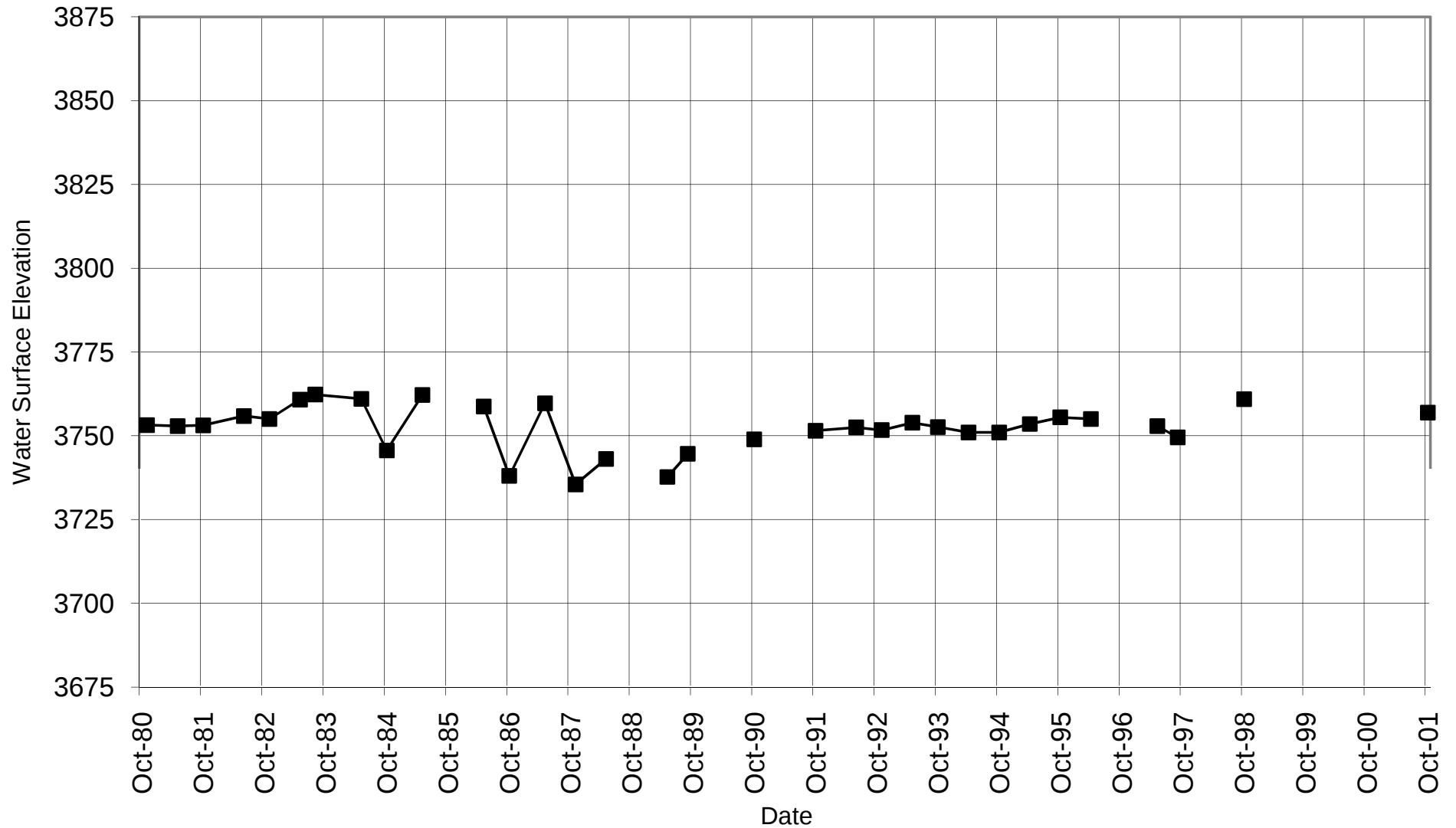
Cummings Basin



WATER LEVEL HYDROGRAPH

Well 32S/32E-31H1

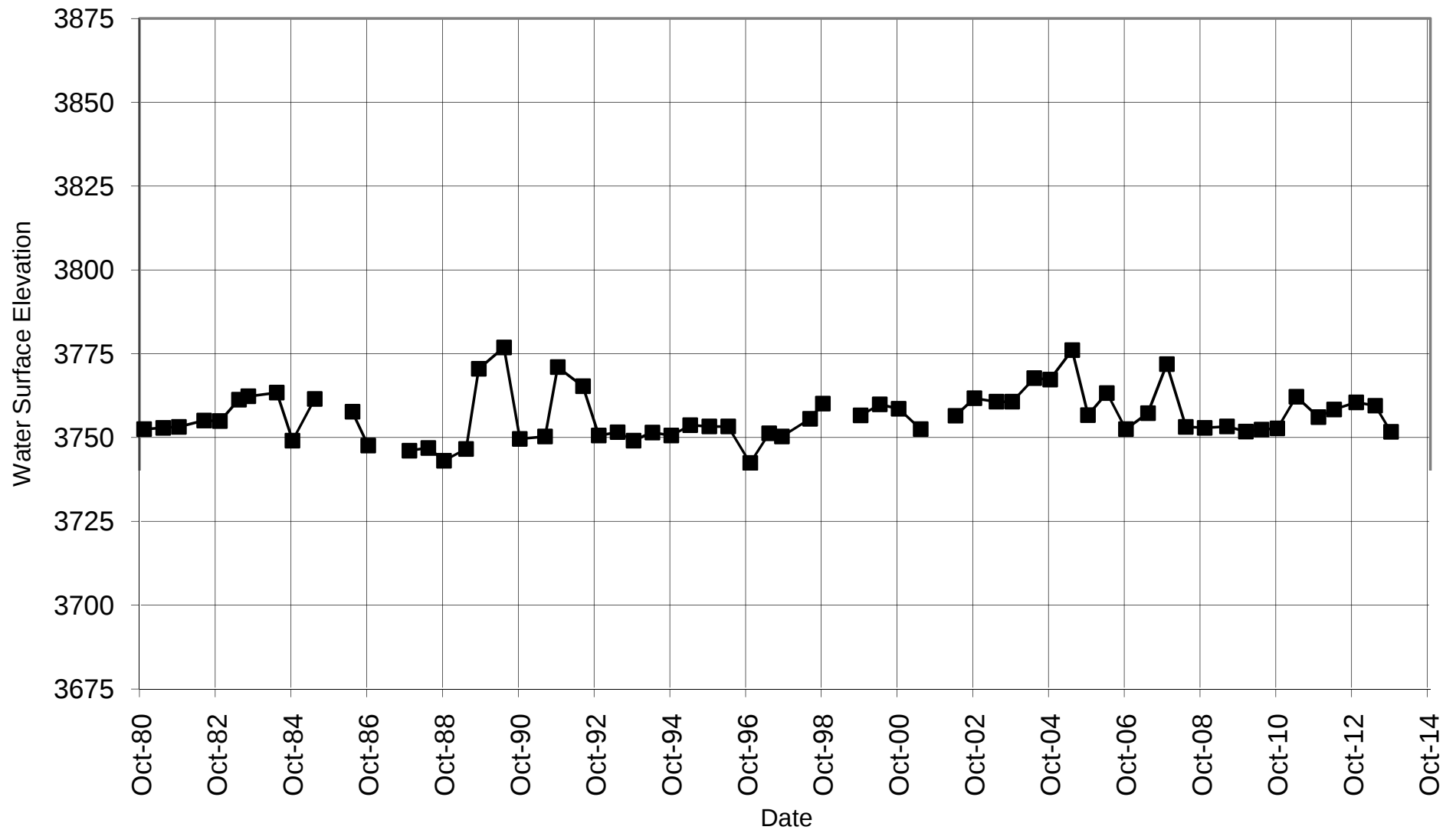
Cummings Basin



WATER LEVEL HYDROGRAPH

Well 12N/16W-31M1

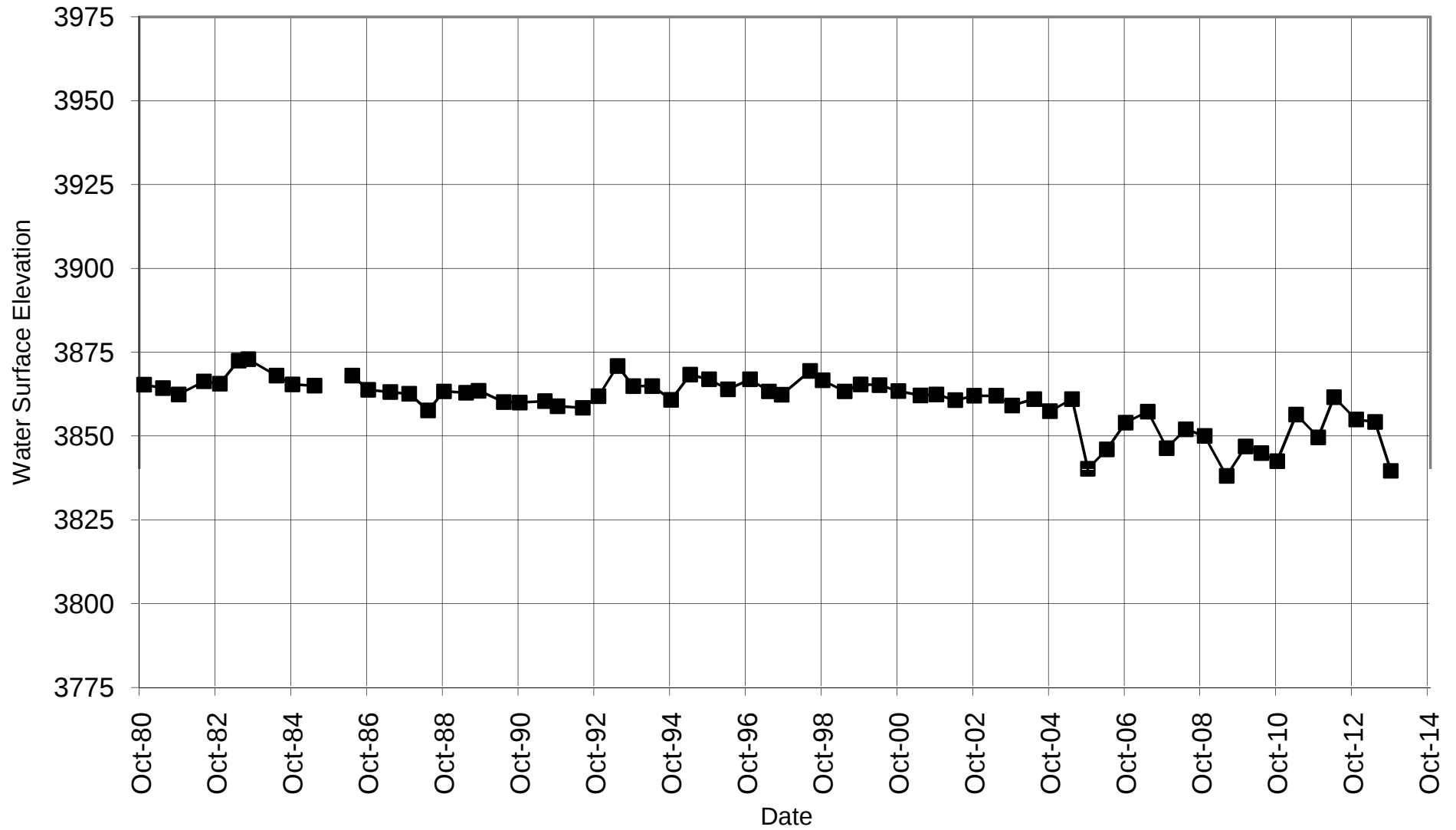
Cummings Basin



WATER LEVEL HYDROGRAPH

Well 12N/16W-31M2

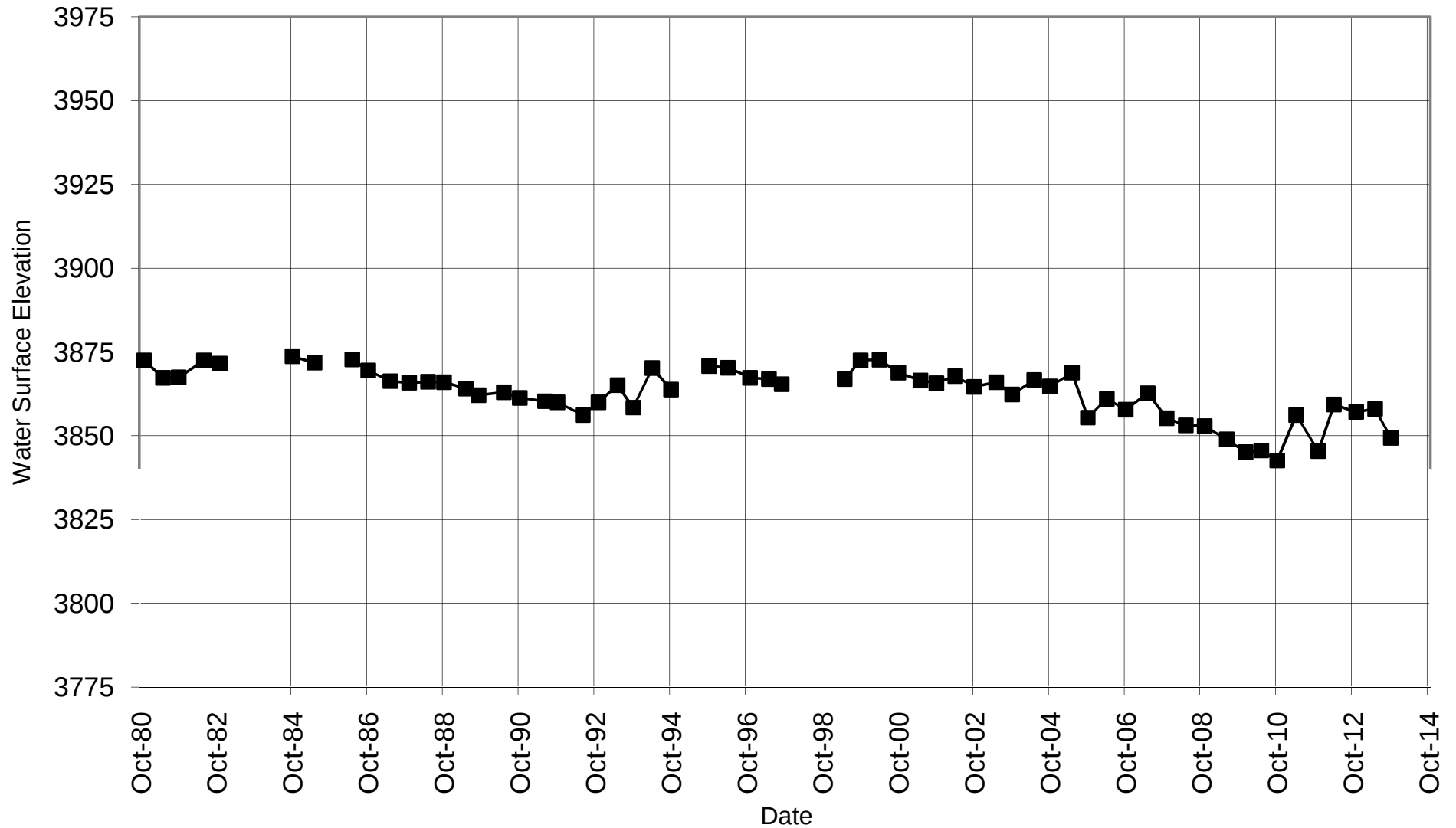
Cummings Basin



WATER LEVEL HYDROGRAPH

Well 12N/16W-32M1

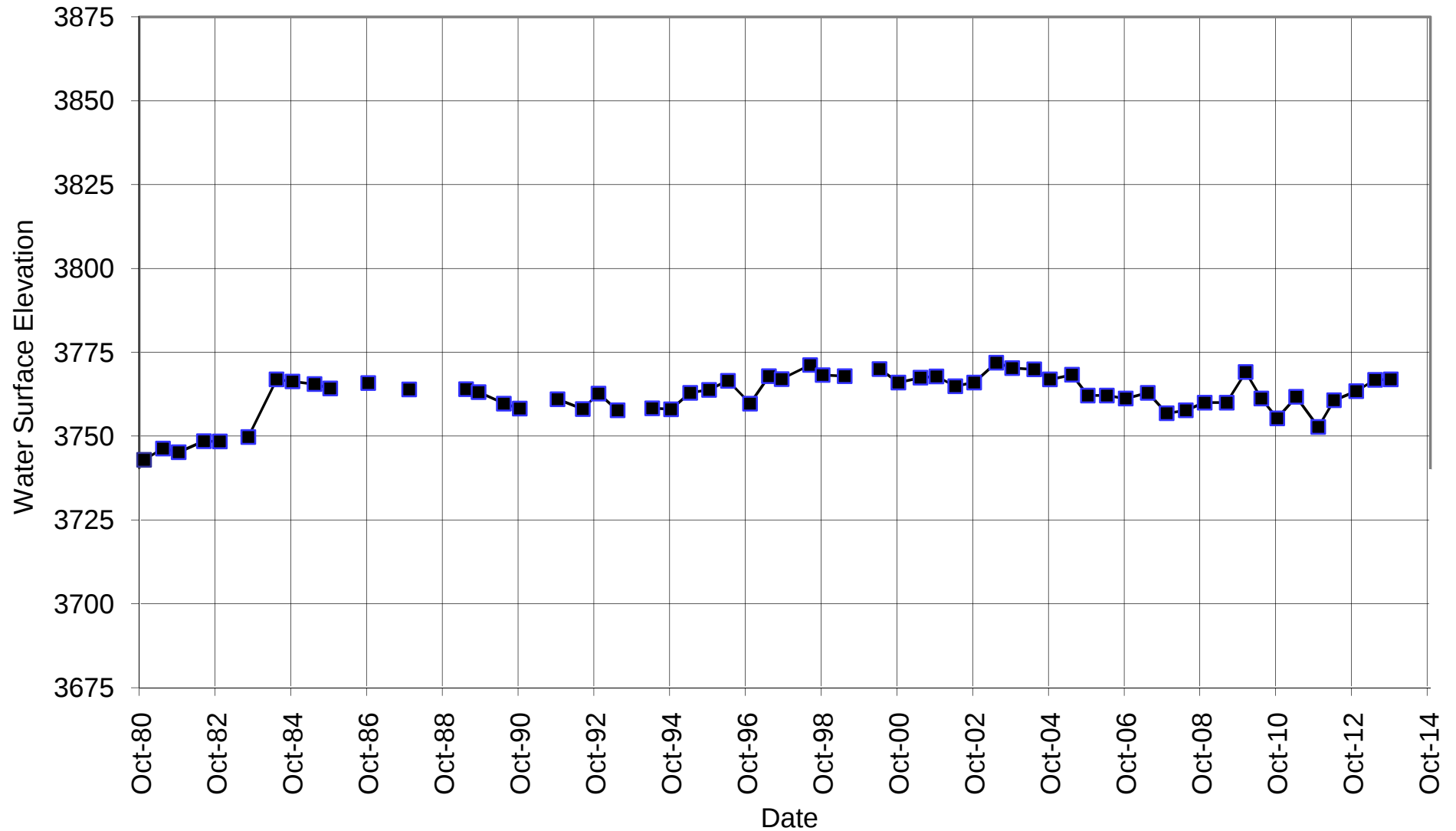
Cummings Basin



WATER LEVEL HYDROGRAPH

Well 12N/16W-32M2

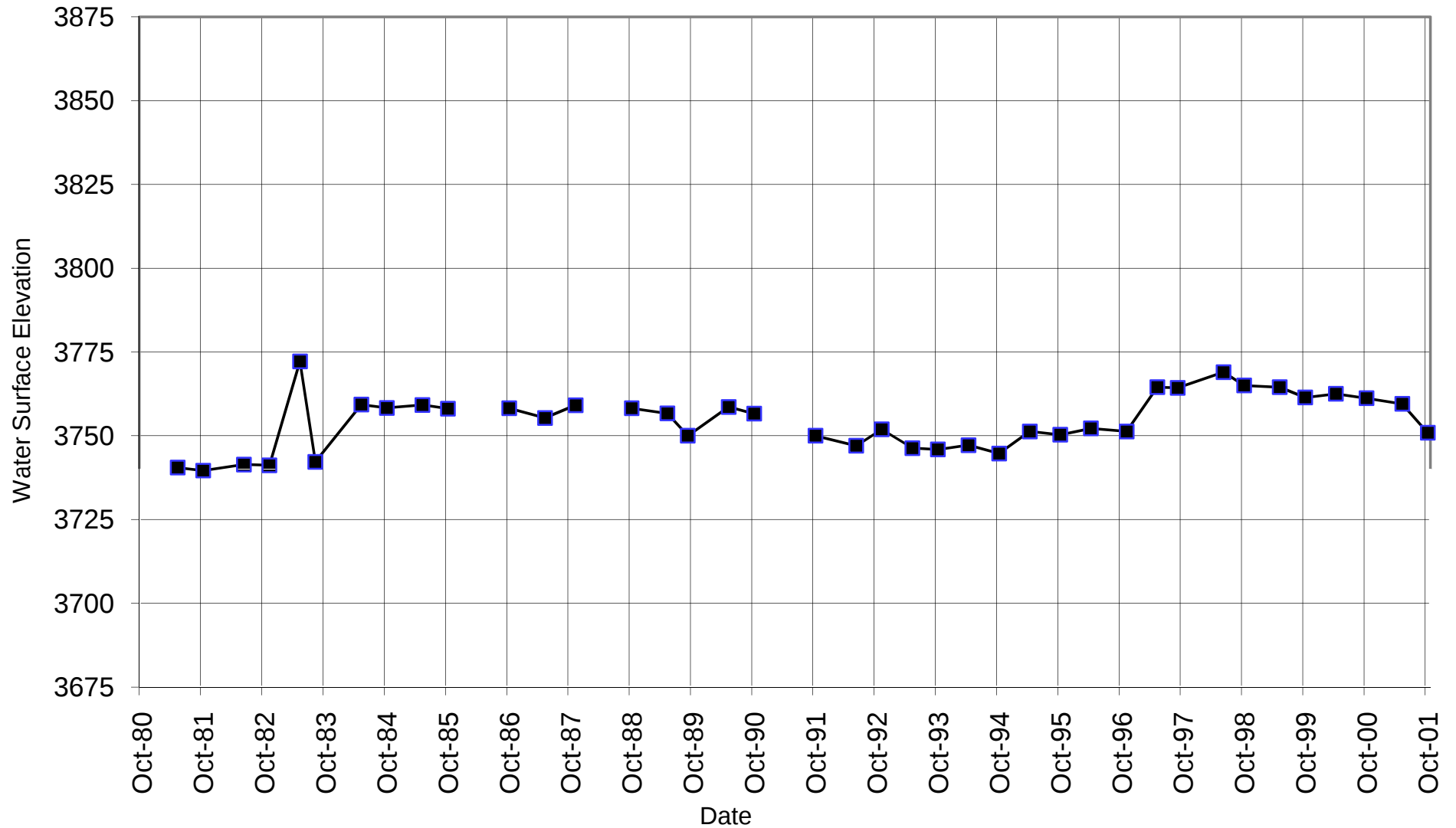
Cummings Basin



WATER LEVEL HYDROGRAPH

Well 32S/31E-34A1

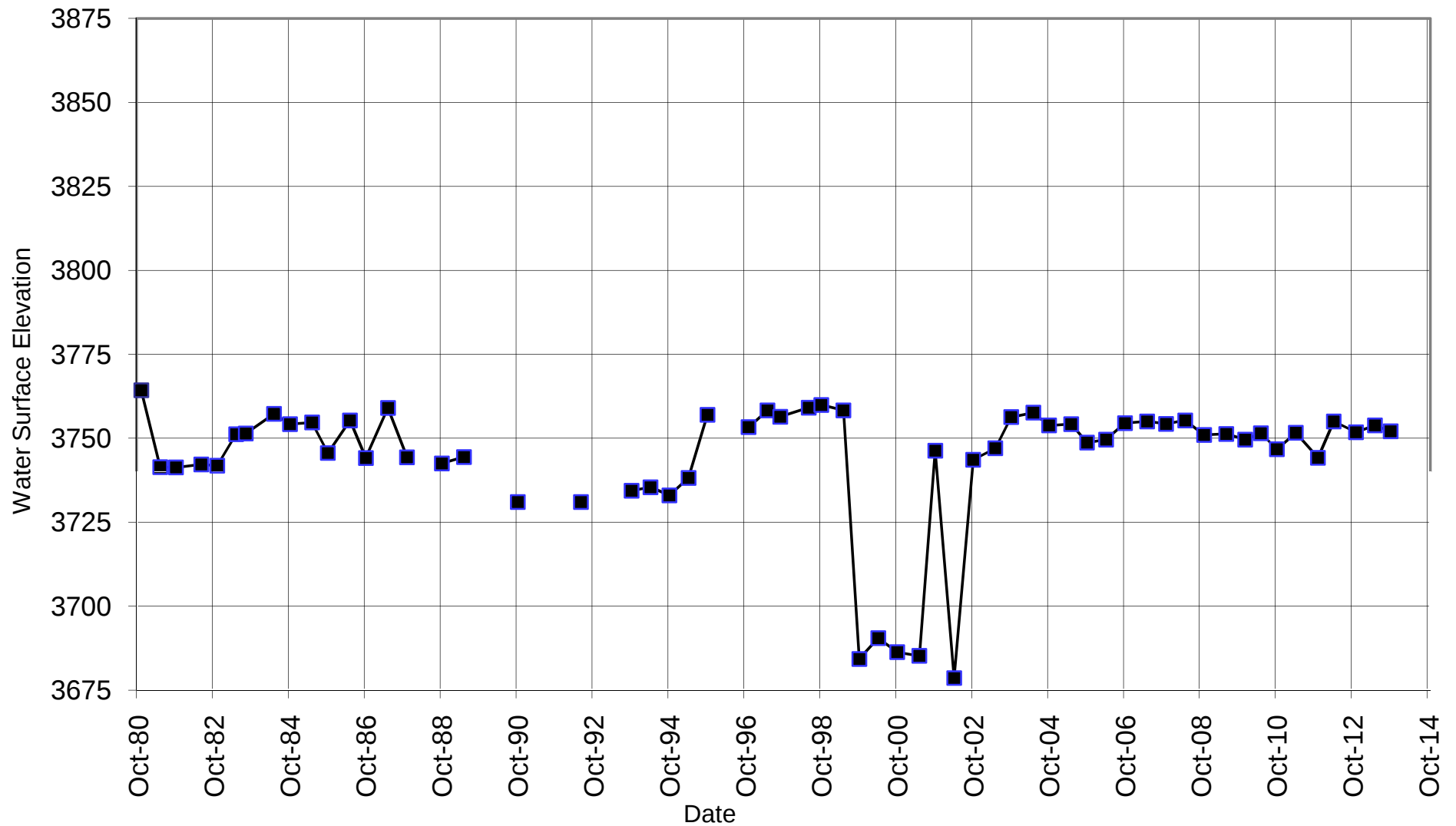
Cummings Basin



WATER LEVEL HYDROGRAPH

Well 32S/31E-34A2

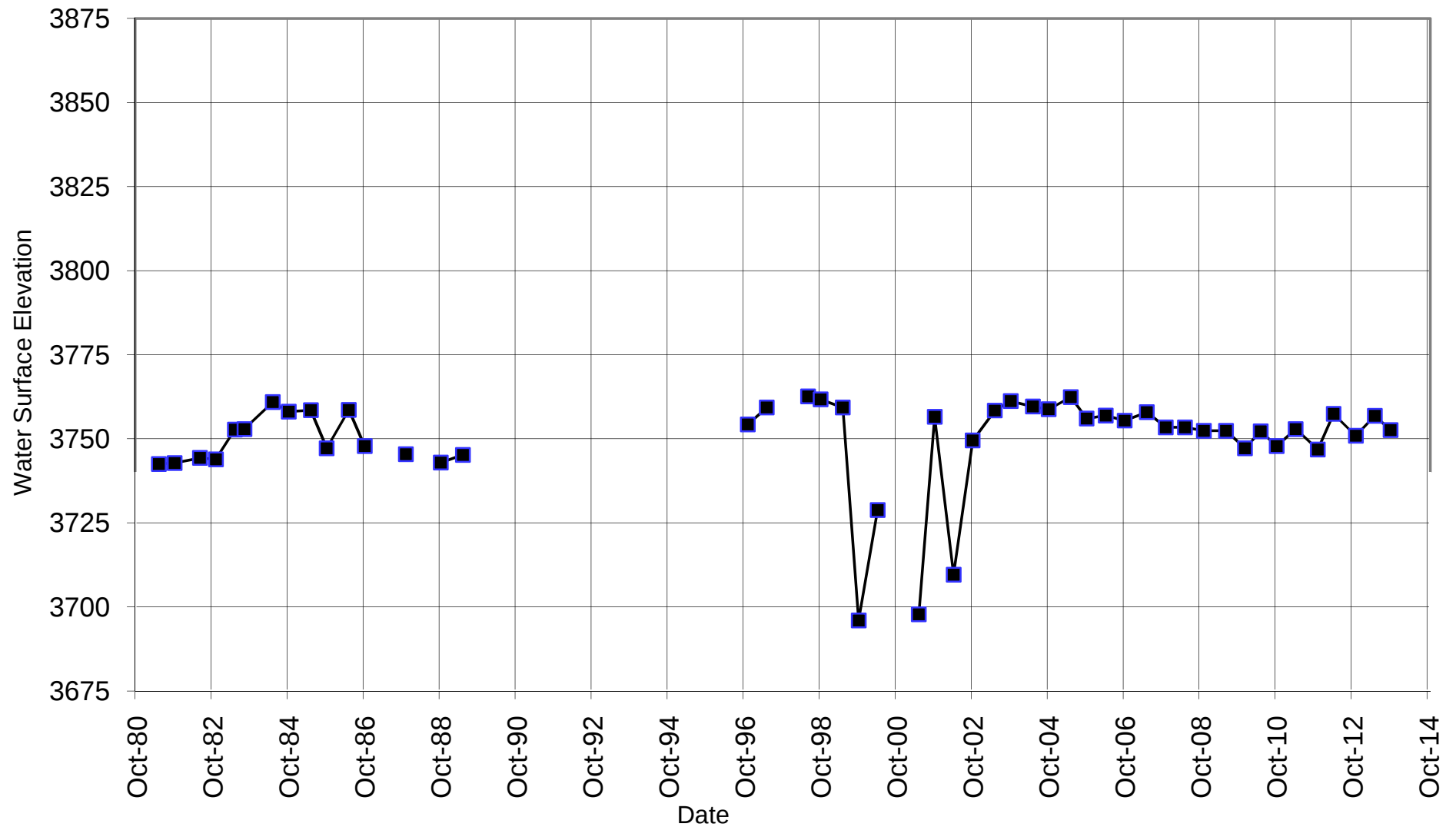
Cummings Basin



WATER LEVEL HYDROGRAPH

Well 32S/31E-34J1

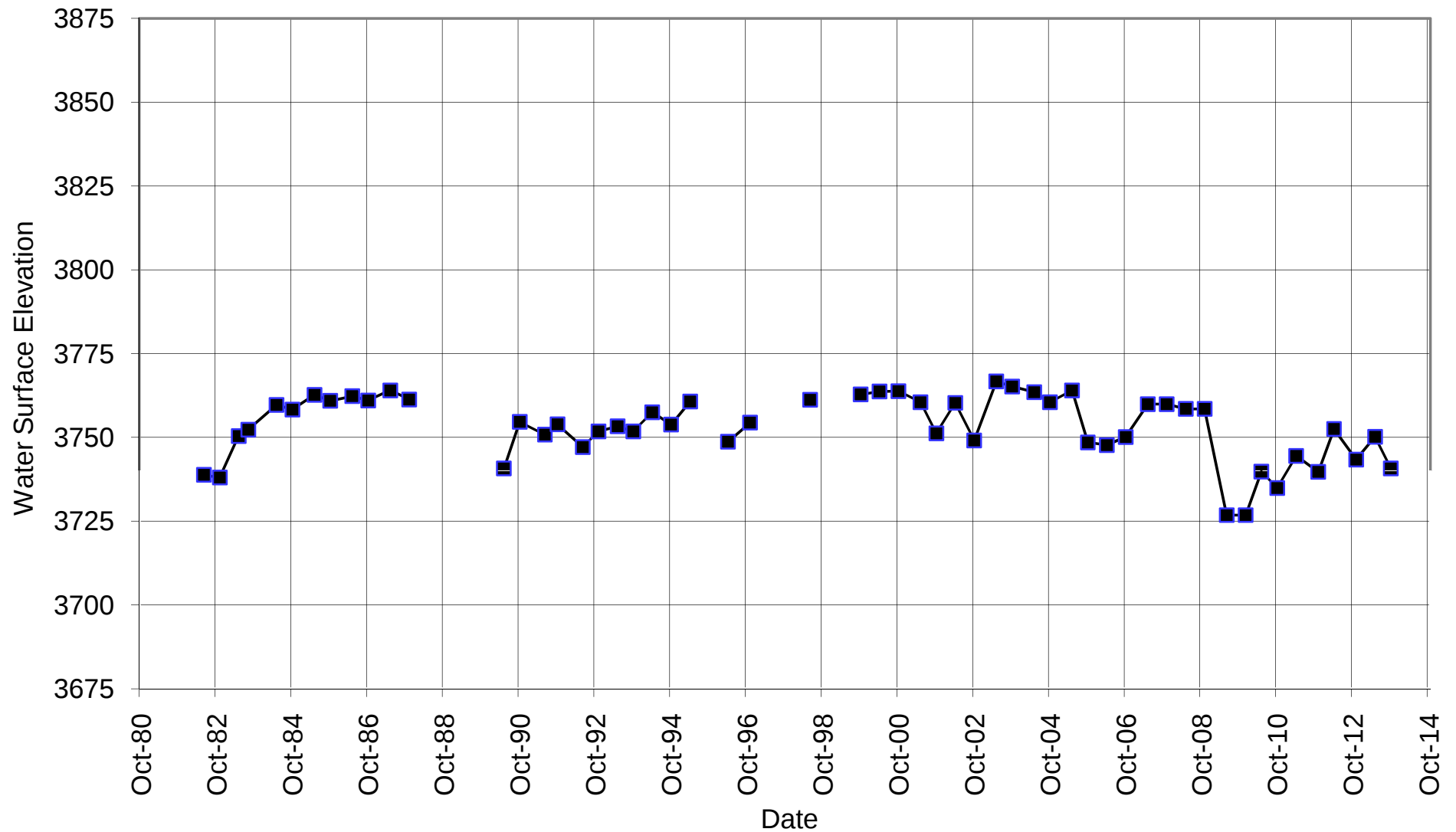
Cummings Basin



WATER LEVEL HYDROGRAPH

Well 32S/31E-34K2

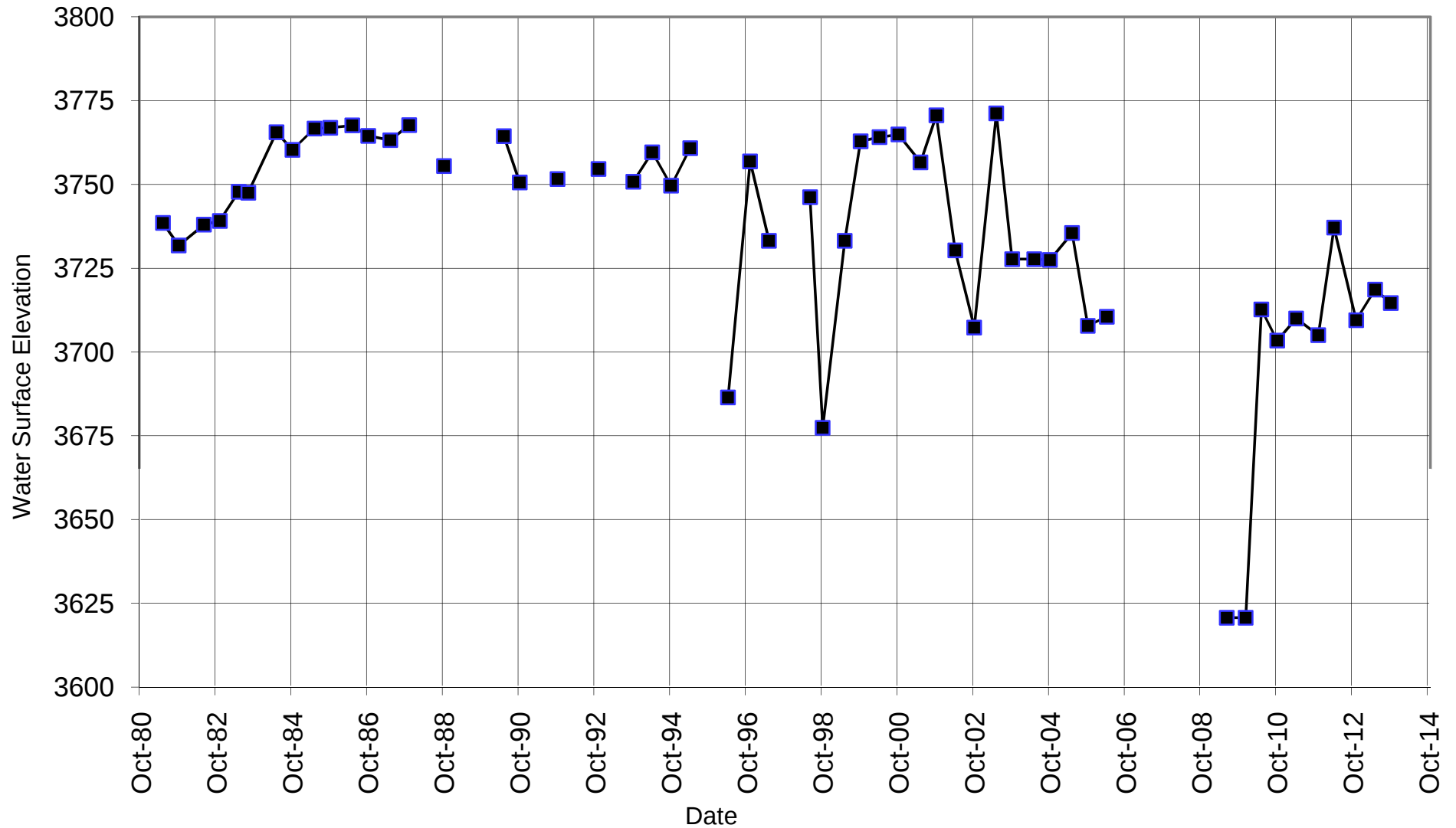
Cummings Basin



WATER LEVEL HYDROGRAPH

Well 32S/31E-35F1

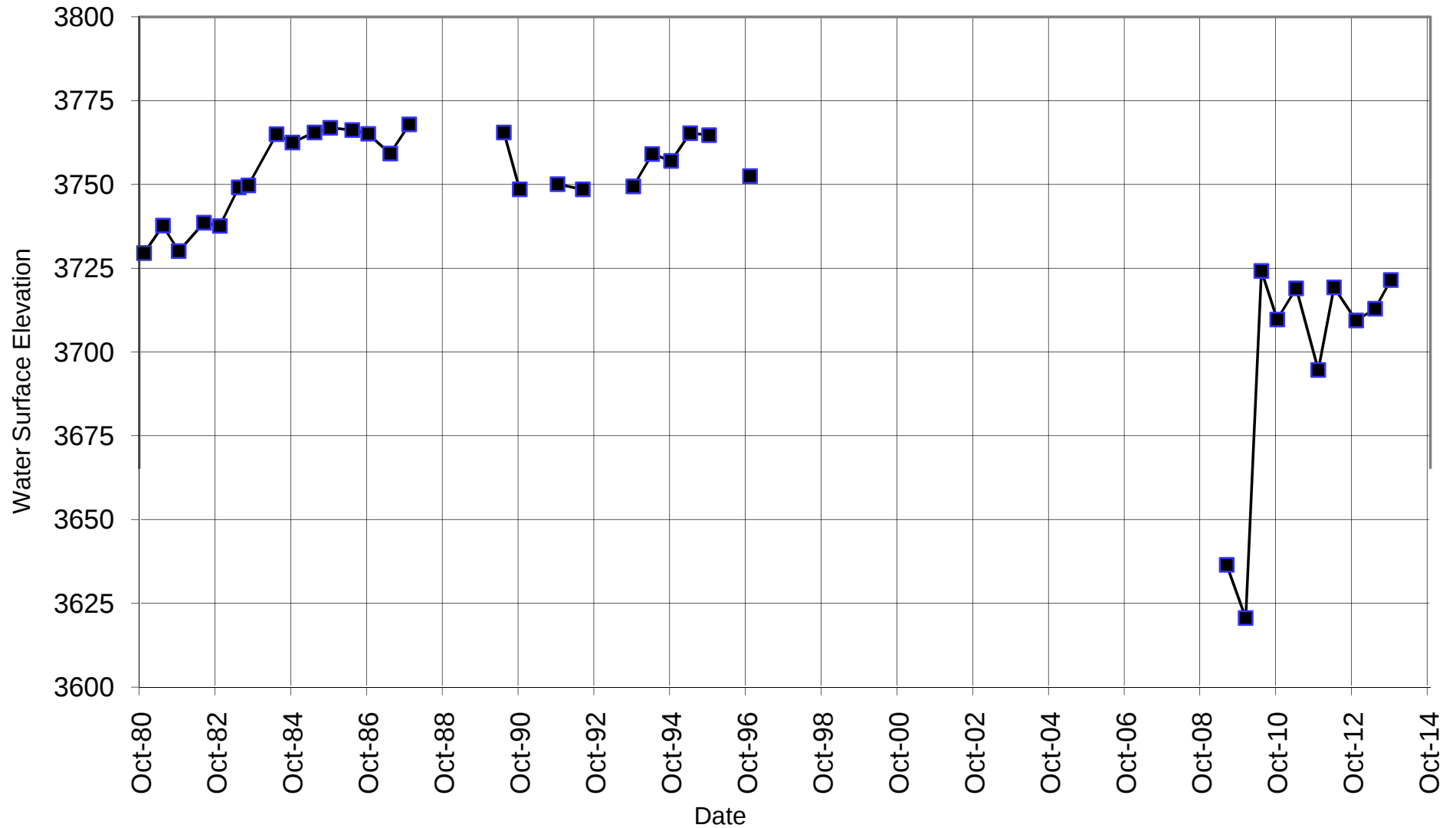
Cummings Basin



WATER LEVEL HYDROGRAPH

Well 32S/31E-35H1

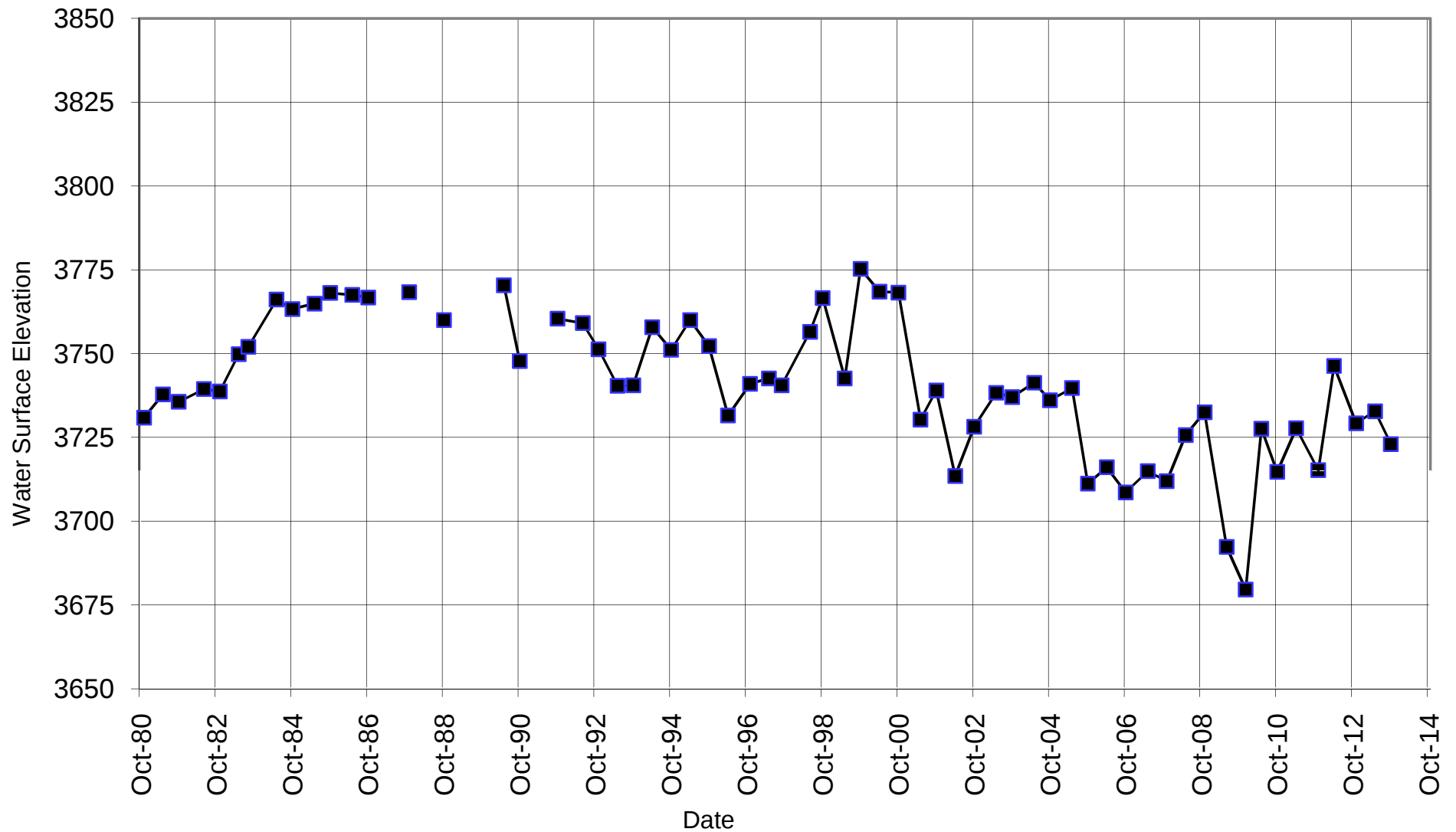
Cummings Basin



WATER LEVEL HYDROGRAPH

Well 32S/31E-35H2

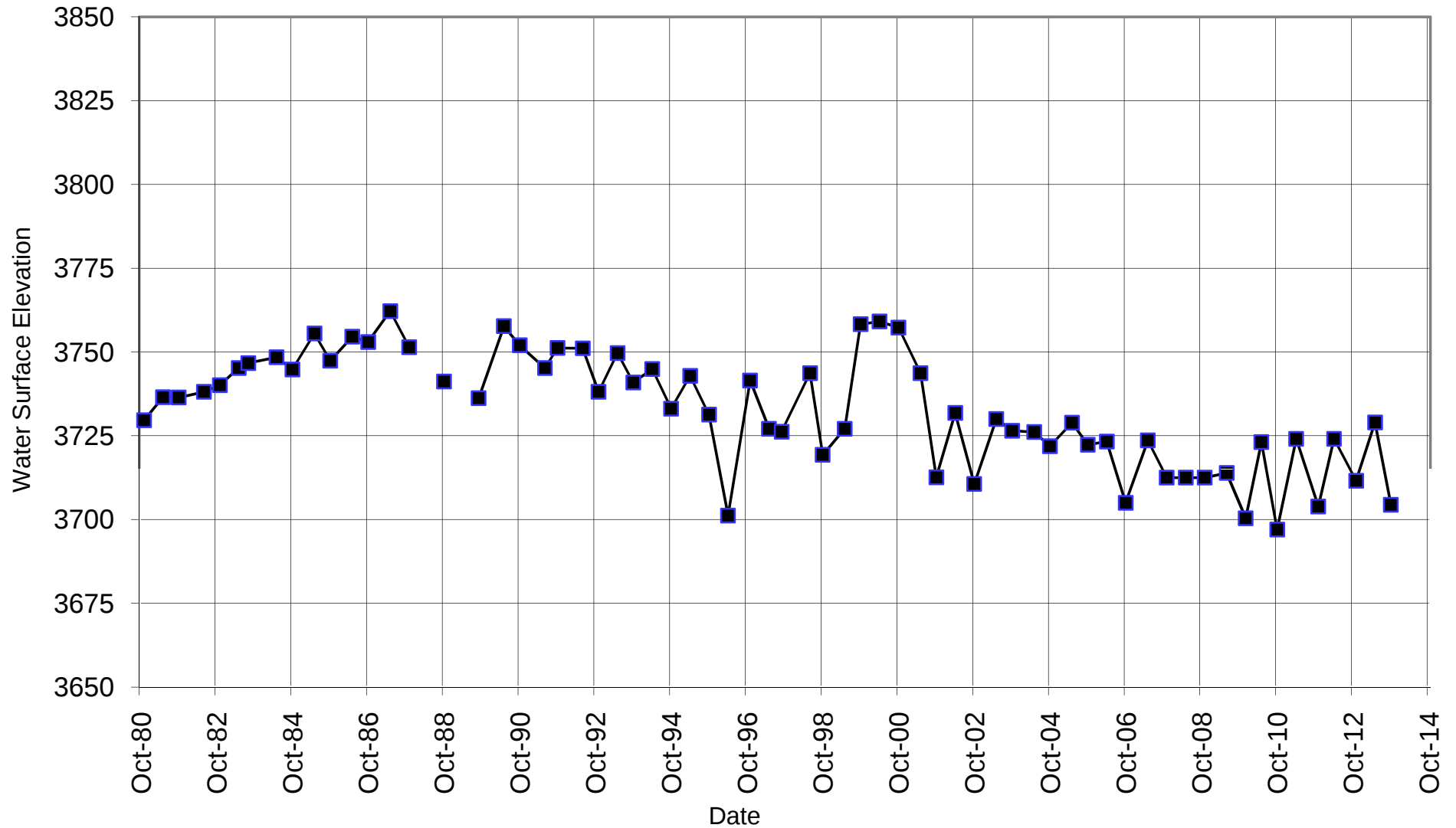
Cummings Basin



WATER LEVEL HYDROGRAPH

Well 32S/31E-35J1

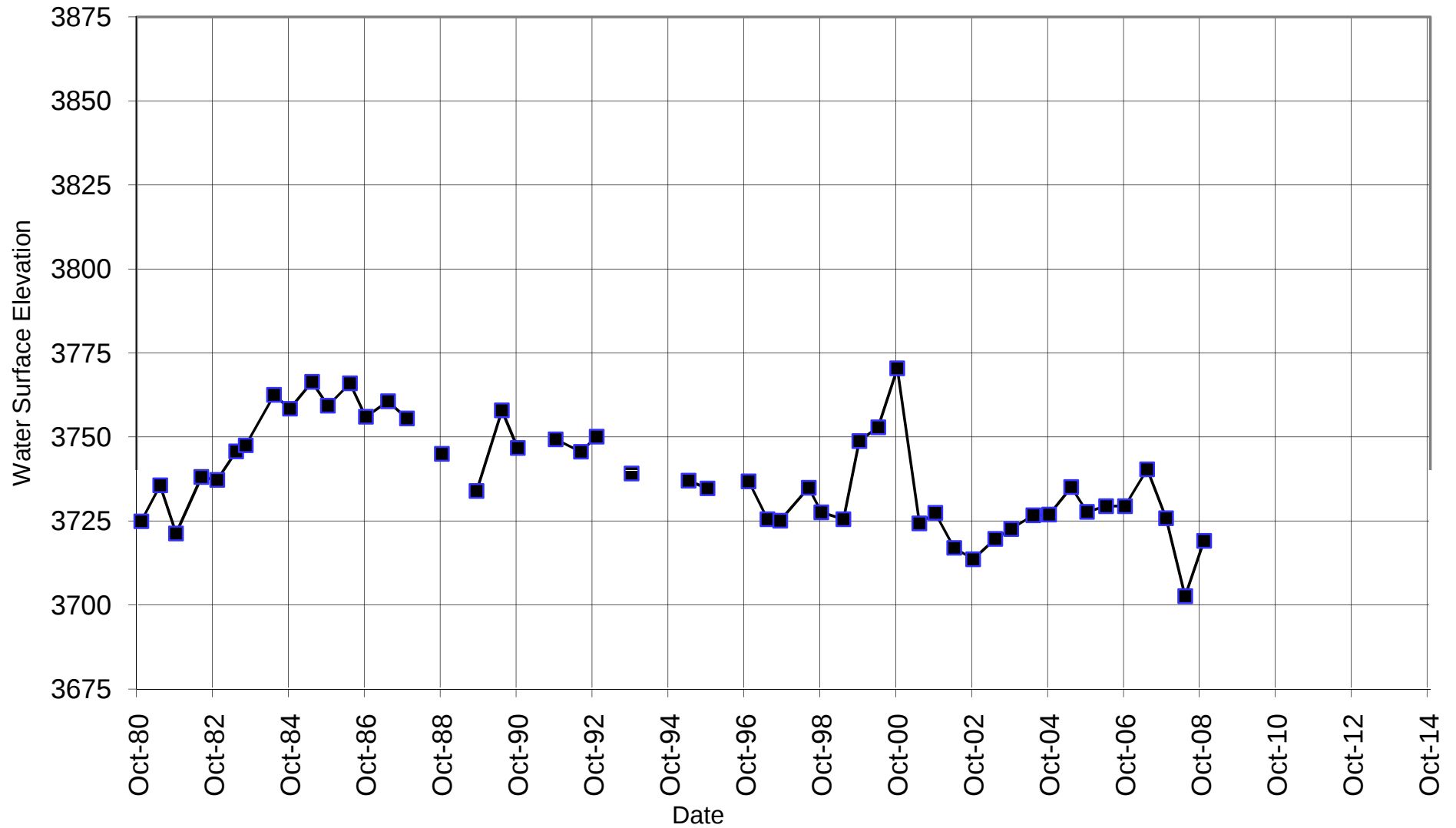
Cummings Basin



WATER LEVEL HYDROGRAPH

Well 32S/31E-35N1

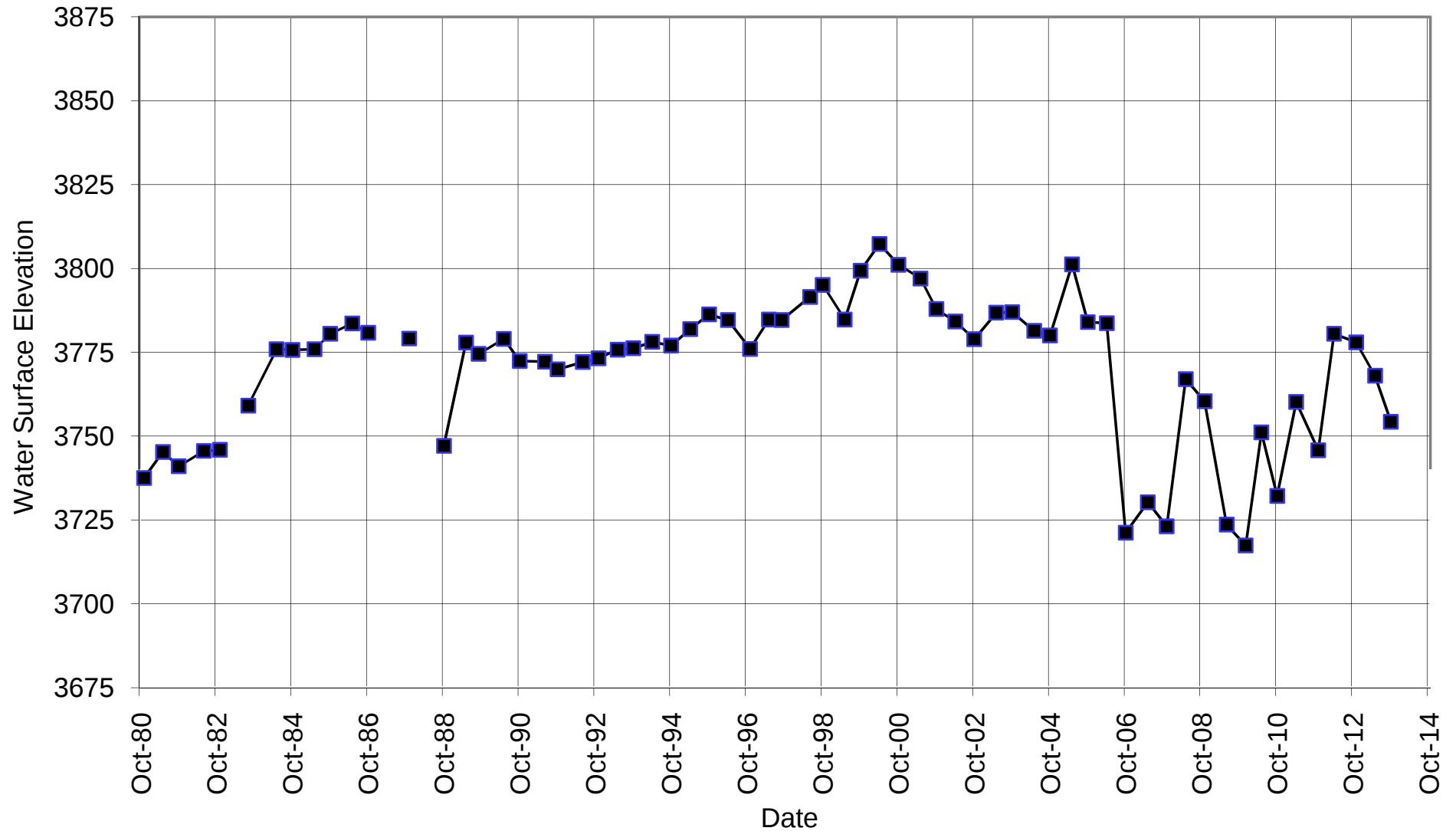
Cummings Basin



WATER LEVEL HYDROGRAPH

Well 32S/31E-35Q1

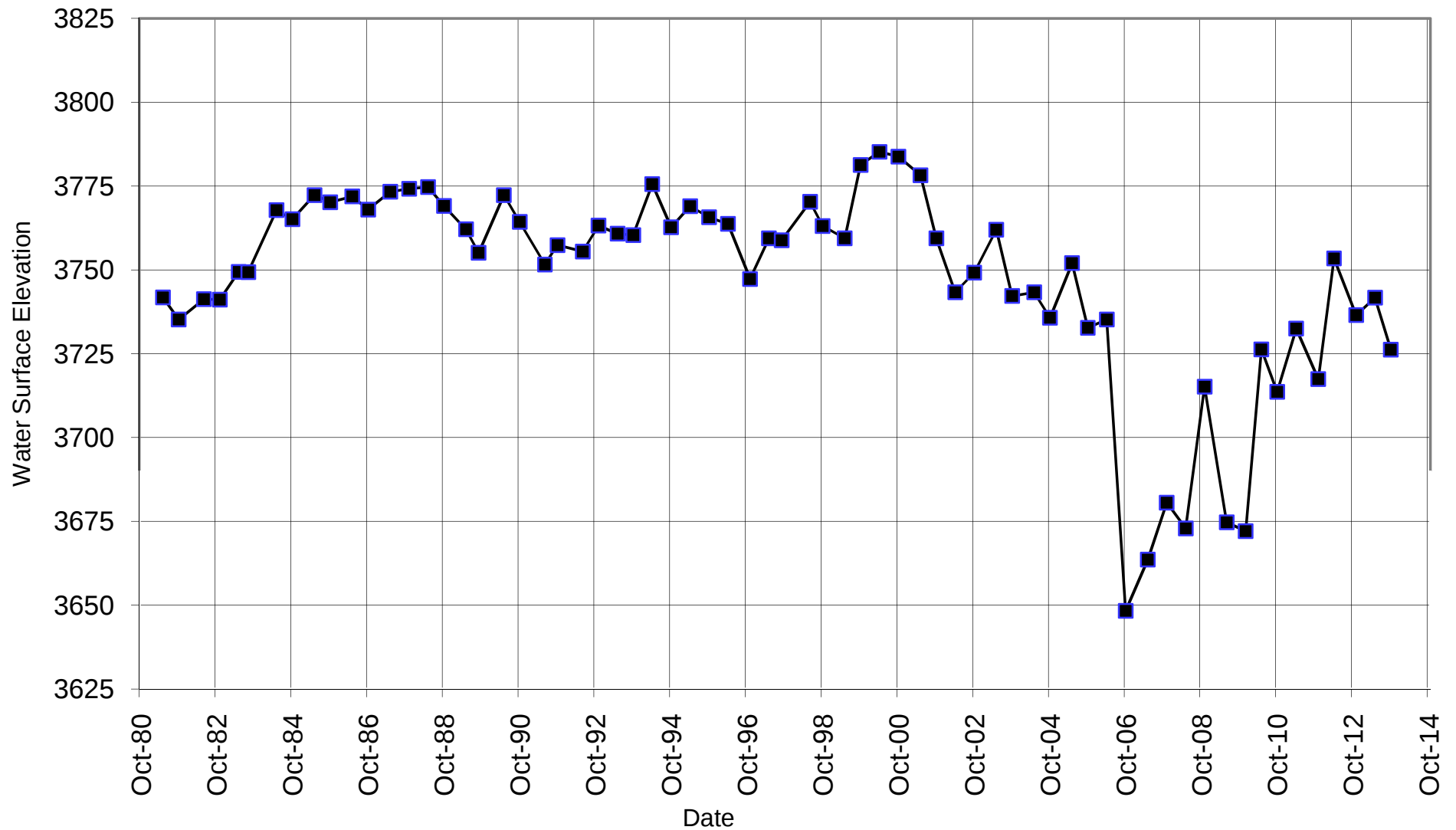
Cummings Basin



WATER LEVEL HYDROGRAPH

Well 32S/31E-36A2

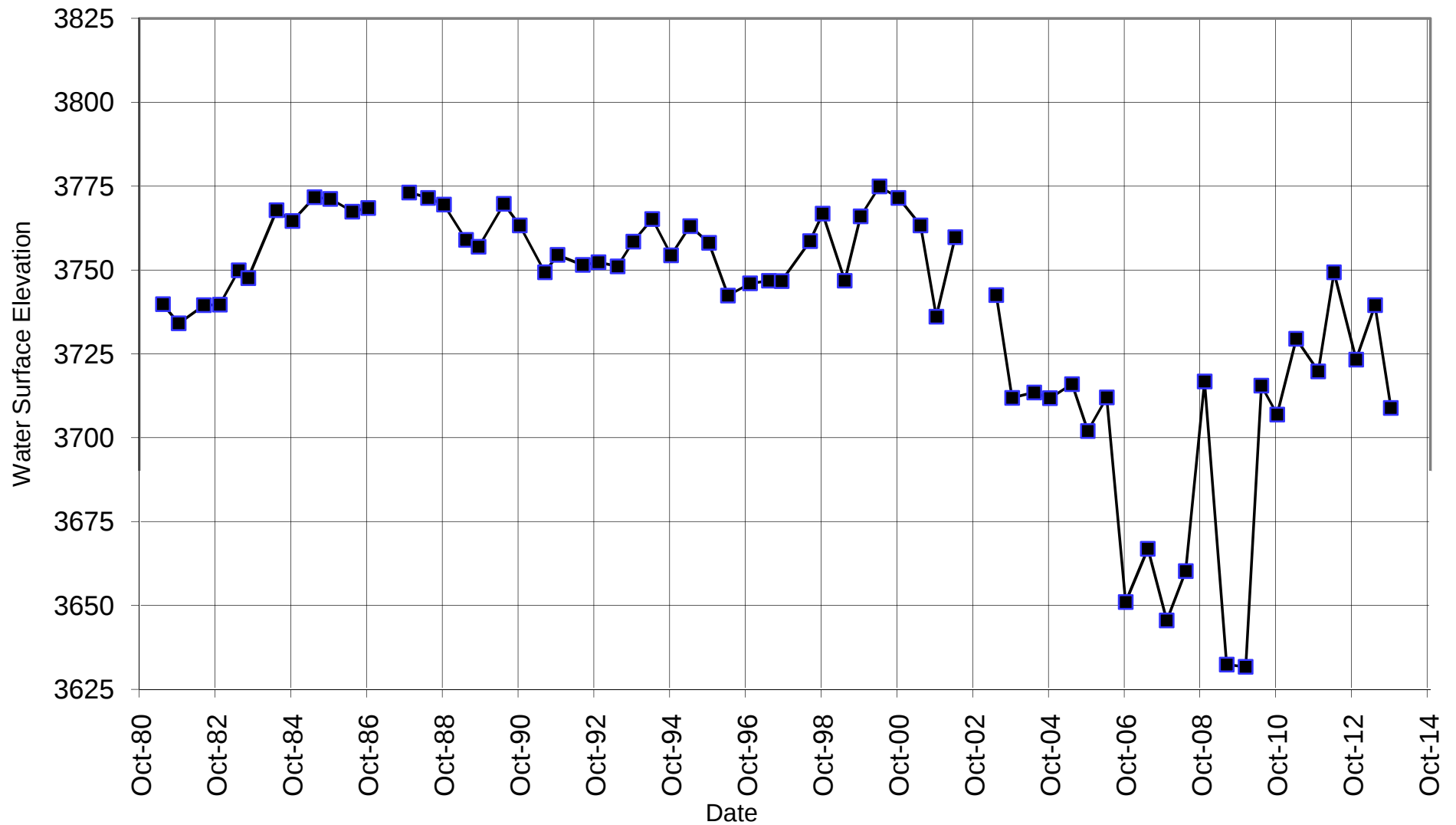
Cummings Basin



WATER LEVEL HYDROGRAPH

Well 32S/31E-36F1

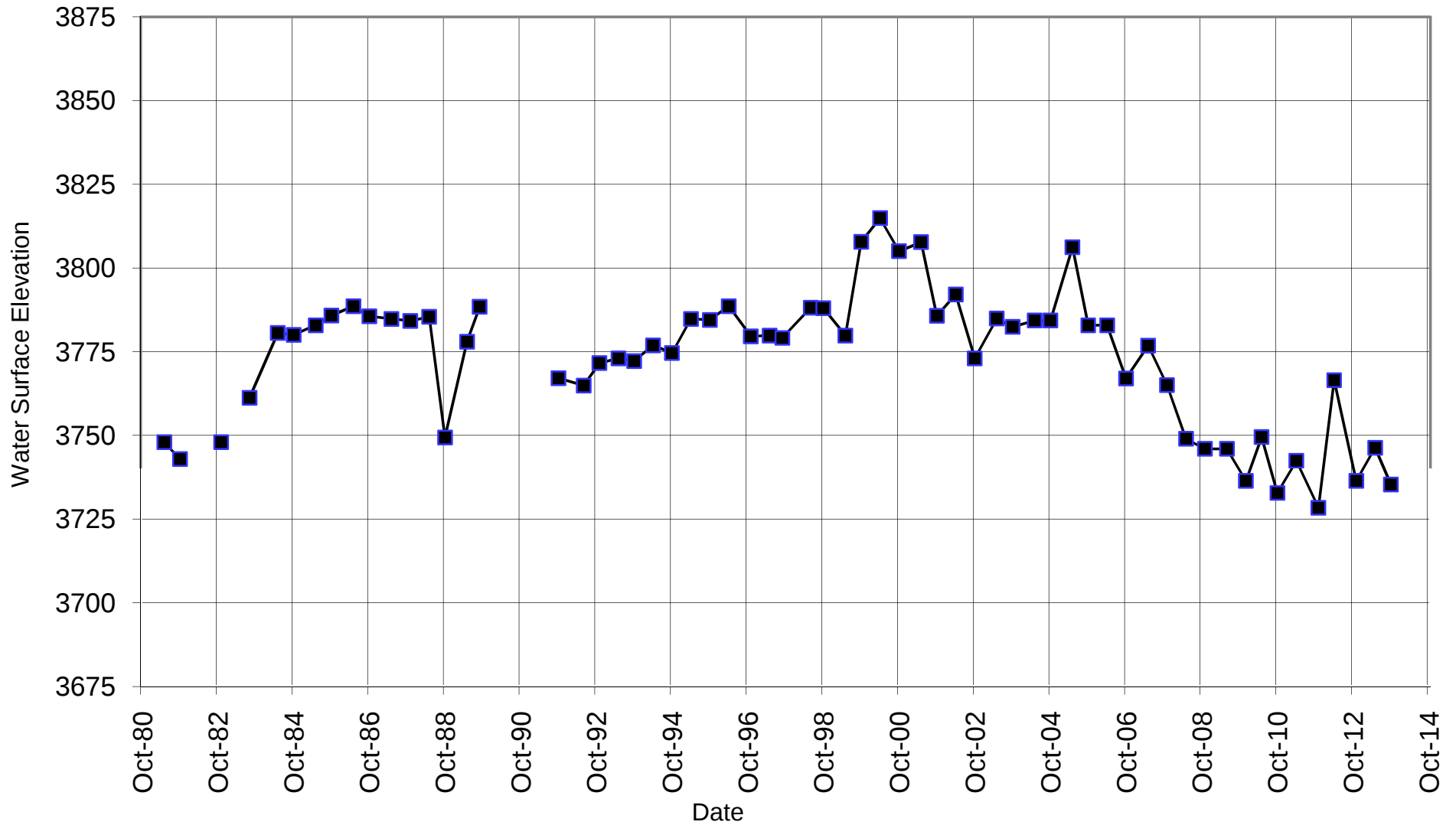
Cummings Basin



WATER LEVEL HYDROGRAPH

Well 32S/31E-36F2

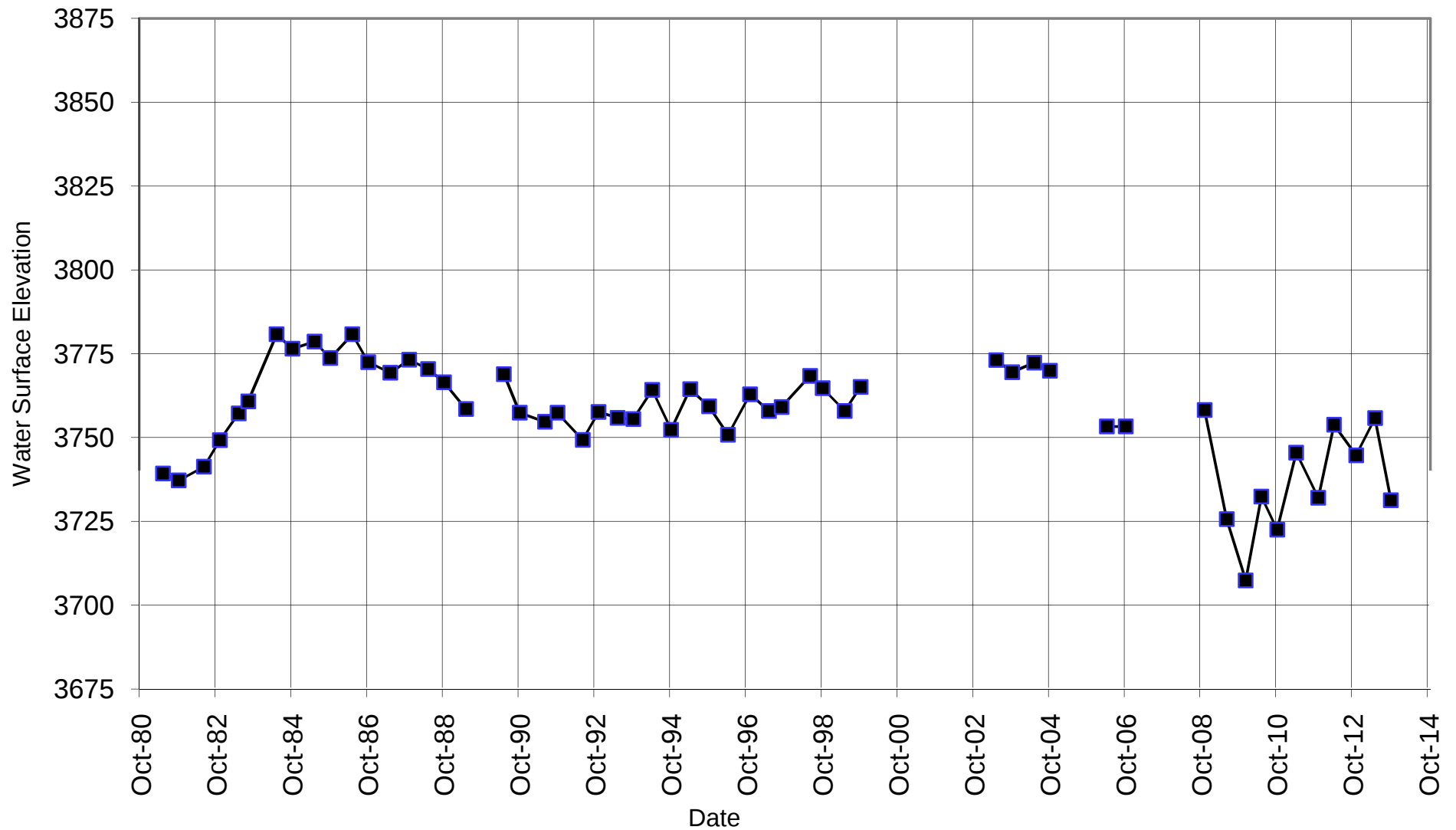
Cummings Basin



WATER LEVEL HYDROGRAPH

Well 32S/31E-36H1

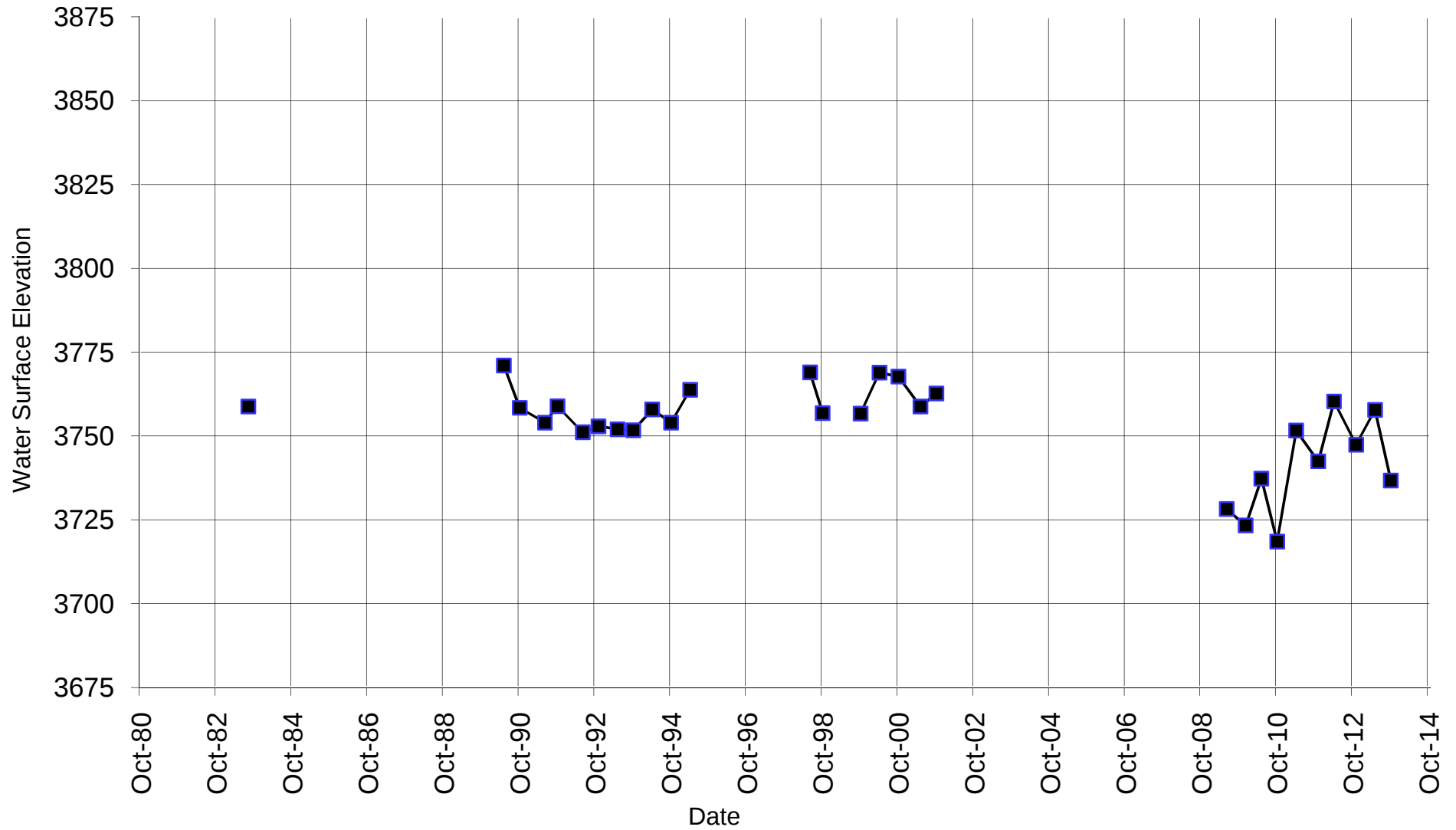
Cummings Basin



WATER LEVEL HYDROGRAPH

Well 32S/31E-36L1

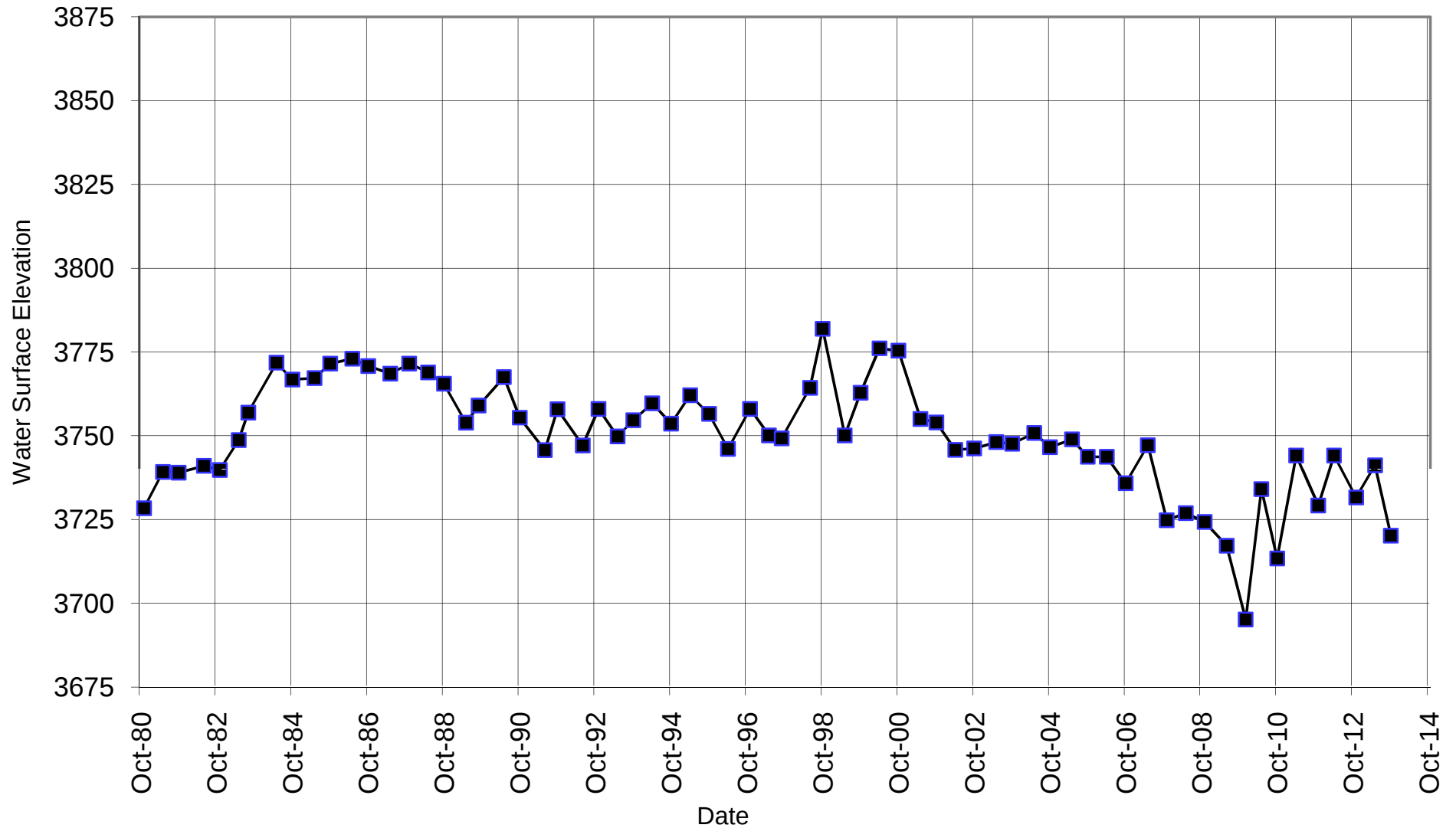
Cummings Basin



WATER LEVEL HYDROGRAPH

Well 32S/31E-36M1

Cummings Basin



WATER LEVEL HYDROGRAPH

Well 32S/31E-36M2

Cummings Basin



APPENDIX C

PRECIPITATION RECHARGE EVALUATION

Appendix C. Analysis of Precipitation Percolation for Cummings Groundwater Basin from 1981 to 2013.

Water Year	CV Precipitation (Inches)	Rank	Total Cummings Valley Rainfall (AFY)	Total Cummings Valley Rainfall Recharge (AFY)	Recharge Percent of Rainfall	
1981	18.56	7	13,122	1,302	9.92	
1982	16.85	10	11,913	971	8.15	
1983	22	4	15,554	1,522	9.79	
1984	12.95	15	9,156	883	9.64	
1985	15.62	11	11,043	927	8.39	
1986	13.73	13	9,707	883	9.10	
1987	14.68	12	10,379	905	8.72	
1988	19.16	6	13,546	1,390	10.26	
1989	10.89	17	7,699	728	9.46	
1990	7.46	30	5,274	243	4.61	
1991	8.15	26	5,762	530	9.20	
1992	17.04	9	12,047	1,103	9.16	
1993	24.85	3	17,569	1,721	9.80	
1994	8.4	25	5,939	618	10.41	
1995	24.86	2	17,576	1,897	10.79	
1996	9.95	20	7,035	640	9.10	
1997	9.26	21	6,547	662	10.11	
1998	25.81	1	18,248	2,912	15.96	
1999	10.45	18	7,388	684	9.26	
2000	10.21	19	7,218	684	9.48	
2001	11.11	16	7,855	860	10.95	
2002	8.67	23	6,130	512	8.36	
2003	7.46	30	5,274	424	8.04	
2004	7.85	29	5,550	452	8.14	
2005	18.11	8	12,804	1,297	10.13	
2006	8.12	27	5,741	472	8.21	
2007	8.78	22	6,207	520	8.38	
2008	7.89	28	5,578	455	8.15	
2009	8.46	24	5,981	497	8.30	
2010	13.05	14	9,226	858	9.30	
2011	19.67	5	13,907	1,439	10.35	
2012	6.91	32	4,885	385	7.88	
2013	3.76	33	2,658	179	6.72	
Total	430.72		304,519	29,554	9.71	
Average	13.05		9,228	896	9.71	1981-2013
	14.86		10,504	1,051	10.00	1981-2001
	9.89		6,995	624	8.92	2002-2013



APPENDIX D

STREAM RECHARGE EVALUATION

Appendix D. Analysis of Adjusted Streamflow Percolation for Cummings Groundwater Basin from 1981 to 2013.

Water Year	CV Precipitation (Inches)	Rank	Total Streamflow Percent	Adjusted Total Cummings Cr. Streamflow (AFY)	Adjusted Total Cummings Cr. Streamflow Recharge (AFY)	Adjusted Total Other Streamflow (AFY)	Adjusted Total Other Streamflow Recharge (AFY)	Adjusted Total Combined Streamflow (AFY)	Adjusted Total Streamflow Recharge (AFY)	
1981	18.56	7	3.12	909	909	720	720	1,629	1,629	
1982	16.85	10	1.7	613	613	486	486	1,099	1,099	
1983	22	4	12.31	2,272	1,000	1,799	1,000	4,071	2,000	
1984	12.95	15	0.86	364	364	288	288	652	652	
1985	15.62	11	1.61	568	568	450	450	1,018	1,018	
1986	13.73	13	1.35	500	500	396	396	896	896	
1987	14.68	12	1.51	523	523	414	414	937	937	
1988	19.16	6	4.71	1,136	1,000	899	899	2,035	1,899	
1989	10.89	17	0.77	227	227	180	180	407	407	
1990	7.46	30	0.06	23	23	18	18	41	41	
1991	8.15	26	0.15	45	45	36	36	81	81	
1992	17.04	9	1.95	727	727	576	576	1,303	1,303	
1993	24.85	3	12.51	3,635	1,000	2,878	1,000	6,513	2,000	
1994	8.4	25	0.14	68	68	54	54	122	122	
1995	24.86	2	20.79	3,635	1,000	2,878	1,000	6,513	2,000	
1996	9.95	20	0.42	91	91	72	72	163	163	
1997	9.26	21	0.31	80	80	63	63	143	143	
1998	25.81	1	22.32	6,816	1,000	5,397	1,000	12,213	2,000	
1999	10.45	18	0.63	136	136	108	108	244	244	
2000	10.21	19	0.58	102	102	81	81	183	183	
2001	11.11	16	0.83	250	250	198	198	448	448	
2002	8.67	23	0.28	100	100	79	79	179	179	
2003	7.46	30	0.07	25	25	20	20	45	45	
2004	7.85	29	0.07	25	25	20	20	45	45	
2005	18.11	8	2.01	718	718	568	568	1,286	1,286	
2006	8.12	27	0.12	43	43	34	34	77	77	
2007	8.78	22	0.3	107	107	85	85	192	192	
2008	7.89	28	0.1	36	36	28	28	64	64	
2009	8.46	24	0.16	57	57	45	45	102	102	
2010	13.05	14	1.03	368	368	291	291	659	659	
2011	19.67	5	7.11	2,540	1,000	2,010	1,000	4,549	2,000	
2012	6.91	32	0.06	21	21	17	17	38	38	
2013	3.76	33	0.06	21	21	17	17	38	38	
Total	430.72		100.00	26,781	12,748	21,205	11,243	47,986	23,991	
Average	13.05			812	386	643	341	1,454	727	1981-2013
	14.86			1,082	487	857	430	1,939	917	1981-2001
	9.89			338	210	268	184	606	394	2002-2013



APPENDIX E
IRRIGATED ACREAGES

2002 Crop Acreages

Crop Type	Water Type	T32S/R31E 24	25	26	27	35	36	T32S/R32E 18	19	20	30	31	Totals
2	Import												0
	GW												0
	Total					66							66
6a	Import												0
	GW												0
	Total												0
6f													0
													0
						53							53
10ad	Import												0
	GW												0
	Total								3				3
10d													0
												4	0
													4
10e													0
													0
						149	70		80				299
10h	Import												0
	GW												0
	Total												0
10t													0
													0
									80				80
10v	Import												0
	GW												0
	Total								10				10
10z													0
												23	0
													23
11a	Import												0
	GW												0
	Total				2			16	2	14		33	67
11f													0
		2											0
													2
11g	Import												0
	GW												0
	Total												0
28a	Import												0
	GW												0
	Total	59	312	55			291	20	207		284	99	1,327
30a	Import												0
	GW												0
	Total											7	7
Specialty	Import												0
	GW												0
	Total					165	77		118			20	380
Total Irrigated acreage		61	312	55	2	433	438	36	500	14	284	186	2,321

2003 Crop Acreages

Crop Type	Water Type	T32S/R31E 24	25	26	27	35	36	T32S/R32E 18	19	20	30	31	Totals
2	Import												0
	GW												0
	Total					66							66
6a	Import												0
	GW												0
	Total												0
10ad	Import												0
	GW												0
	Total	1			1			2	2			2	8
10e	Import												0
	GW												0
	Total					74	103		65				242
10h	Import												0
	GW												0
	Total												0
10m	Import												0
	GW												0
	Total					0	0		0				0
10t	Import												0
	GW												0
	Total				41				32				73
10v	Import												0
	GW												0
	Total								6				6
10z	Import												0
	GW												0
	Total								36				36
11a	Import												0
	GW												0
	Total	3			3			19	2			36	63
11f	Import												0
	GW												0
	Total	1										1	2
11g	Import												0
	GW												0
	Total												0
14a	Import												0
	GW												0
	Total	5											5
28a	Import												0
	GW												0
	Total	72	640	150			313		235		202	184	1,796
30a	Import												0
	GW												0
	Total											7	7
Specialty	Import												0
	GW												0
	Total					228	234		129			22	614
Total Irrigated Acreage		82	640	150	45	368	651	21	506	0	202	252	2,918

2004 Crop Acreages

Crop Type	Water Type	T32S/R31E 24	25	26	27	35	36	T32S/R32E 18	19	20	30	31	Totals
2	Import												0
	GW												0
	Total					100							100
6a	Import												0
	GW												0
	Total												0
10ad	Import												0
	GW												0
	Total	2			1			3	3			4	13
10e	Import												0
	GW												0
	Total					135	18		82				235
10h	Import												0
	GW												0
	Total												0
10m	Import												0
	GW												0
	Total					116	96		10				222
10v	Import												0
	GW												0
	Total								43				43
11a	Import												0
	GW												0
	Total	3			3			20	2			38	66
11f	Import												0
	GW												0
	Total	4											4
11g	Import												0
	GW												0
	Total												0
14a	Import												0
	GW												0
	Total	5											5
28a	Import												0
	GW												0
	Total	55	500	120			318	60	100		155	141	1,449
30a	Import												0
	GW												0
	Total											13	13
Specialty	Import												0
	GW												0
	Total					42	174		107			34	357
Total Irrigated Acreage		69	500	120	4	393	606	83	347	0	155	230	2,507

2005 Crop Acreages

Crop Type	Water Type	T32S/R31E 24	25	26	27	35	36	T32S/R32E 18	19	20	30	31	Totals
2	Import												0
	GW												0
	Total					100							100
6a	Import												0
	GW												0
	Total												0
10ad	Import												0
	GW												0
	Total	2			3			3	3			4	15
10e													0
													0
10h	Import					76	36		116			28	256
	GW												0
	Total												0
10m													0
													0
			24			42							66
10v	Import												0
	GW												0
	Total					73			72.5			8	153.5
11a	Import												0
	GW												0
	Total	3						7	2			38	50
11f													0
													0
		2										2	4
11g	Import												0
	GW												0
	Total												0
14a													0
													0
		5											5
28a	Import												0
	GW												0
	Total	55	310	120	245		310	30	110		155	143	1,478
30a													0
													0
					3							13	16
Specialty	Import												0
	GW												0
	Total		50			179	266		88.5				583.5
Total Irrigated Acreage		67	384	120	251	470	612	40	392	0	155	236	2,727

2006 Crop Acreages

Crop Type	Water Type	T32S/R31E 24	25	26	27	35	36	T32S/R32E 18	19	20	30	31	Totals
2	Import												0
	GW												0
	Total												0
6a	Import												0
	GW												0
	Total												0
10ad	Import												0
	GW												0
	Total	2			3				3			4	12
10e	Import												0
	GW												0
	Total		27			114	80		51				272
10h	Import												0
	GW												0
	Total												0
10m	Import												0
	GW												0
	Total		26			127.5	114		90				357.5
10t	Import												0
	GW												0
	Total						20						20
10v	Import												0
	GW												0
	Total		29			11	41		60			10	152
11a	Import												0
	GW												0
	Total	3							2			38	43
11f	Import												0
	GW												0
	Total	2										2	4
11g	Import												0
	GW												0
	Total												0
14a	Import												0
	GW												0
	Total	5											5
28a	Import												0
	GW												0
	Total	55	520	121			297	70	100		155	98	1416
30a	Import												0
	GW												0
	Total					3						13	16
Specialty	Import												0
	GW												0
	Total		20			201	88		107			27	443
Total Irrigated Acreage		67	622	121	3	457	640	70	413	0	155	192	2740.5

2007 Crop Acreages

Crop Type	Water Type	T32S/R31E 24	25	26	27	35	36	T32S/R32E 18	19	20	30	31	Totals
2	Import												0
	GW												0
	Total												0
6a	Import												0
	GW												0
	Total												0
10ad	Import												0
	GW												0
	Total	5			3				3	11		4	26
10e	Import												0
	GW												0
	Total		4			176	112		69.5				361.5
10h	Import												0
	GW												0
	Total		364									185	550
10m	Import												0
	GW												0
	Total		35			116	80		72			23	326
10v	Import												0
	GW												0
	Total											10	10
11a	Import												0
	GW												0
	Total	3							2			41	46
11f	Import												0
	GW												0
	Total	2										2	4
11g	Import												0
	GW												0
	Total												0
14a	Import												0
	GW												0
	Total	5											5
28a	Import												0
	GW												0
	Total	55	309.5	121			297	70	100		155		1107.5
30a	Import												0
	GW												0
	Total					3							3
Specialty	Import												0
	GW												0
	Total		93.5			145	110		119			3	470.5
Total Irrigated Acreage		70	806	121	3	440	599	70	366	11	155	268	2909

2008 Crop Acreages

Crop Type	Water Type	T32S/R31E 24	25	26	27	35	36	T32S/R32E 18	19	20	30	31	Totals
2	Import												0
	GW												0
	Total		160	75							20		255
6a	Import												0
	GW												0
	Total												0
10ad	Import												0
	GW												0
	Total							4	2				6
10e	Import												0
	GW												0
	Total					57	73		106				236
10h	Import												0
	GW												0
	Total					17	30						47
10m	Import												0
	GW												0
	Total		51			140	62		31				284
10t	Import												0
	GW												0
	Total		96				59					76	231
10v	Import												0
	GW												0
	Total												0
11a	Import												0
	GW												0
	Total							21	2			45	68
11g	Import												0
	GW												0
	Total												0
11o	Import												0
	GW												0
	Total	5								1			6
14c	Import												0
	GW												0
	Total	5								4			9
28a	Import												0
	GW												0
	Total		80				80	40	80		150		430
30a	Import												0
	GW												0
	Total					3						16	19
Specialty	Import												0
	GW												0
	Total		77			114	109		123			48	471
Total Irrigated Acreage		10	464	75	0	331	413	65	344	5	170	185	2062

2009 Crop Acreages

Crop Type	Water Type	T32S/R31E 24	25	26	27	35	36	T32S/R32E 18	19	20	30	31	Totals
2a	Import												0
	GW												0
	Total		160	75			40				170		445
6a	Import												0
	GW												0
	Total												0
10ad	Import												0
	GW												0
	Total							2	1				3
10e	Import												0
	GW												0
	Total		25			140	63		13				241
10h	Import												0
	GW												0
	Total												0
10m	Import												0
	GW												0
	Total		21				29		114				165
10v	Import												0
	GW												0
	Total					20		16	39				75
11a	Import												0
	GW												0
	Total							21	2			45	68
11g	Import												0
	GW												0
	Total												0
11o	Import												0
	GW												0
	Total	4								1			5
14c	Import												0
	GW												0
	Total	5						4		13			22
28a	Import												0
	GW												0
	Total		64				32	16	29				140
30a	Import												0
	GW												0
	Total					3						16	19
Specialty	Import												0
	GW												0
	Total		36			102.5	130		77			56	401.5
Total Irrigated Acreage		9	305	75	0	265	294	59	275	14	170	117	1584

2010 Crop Acreages

Crop Type	Water Type	T32S/R31E 24	25	26	27	35	36	T32S/R32E 18	19	20	30	31	Totals
2	Import												0
	GW												0
	Total		15	10			5				15		45
6a	Import												0
	GW												0
	Total												0
10ad	Import												0
	GW												0
	Total							2	1				3
10e	Import												0
	GW												0
	Total		29			166	75		16				286
10h	Import												0
	GW												0
	Total								22				22
10m	Import												0
	GW												0
	Total												0
10v	Import												0
	GW												0
	Total					16		14	33				63
11a	Import												0
	GW												0
	Total							21	2			45	68
11g	Import												0
	GW												0
	Total												0
11o	Import												0
	GW												0
	Total	4								1			5
14c	Import												0
	GW												0
	Total	5						4		13			22
28a	Import												0
	GW												0
	Total		45				22	11	20				99
30a	Import												0
	GW												0
	Total					3						16	19
Specialty	Import												0
	GW												0
	Total	0	61	0	0	175	222	0	131	0	0	96	685
Total Irrigated Acreage		9	151	10	0	360	324	52	225	14	15	157	1317

2011 Crop Acreages

Crop Type	Water Type	T32S/R31E 24	25	26	27	35	36	T32S/R32E 18	19	20	30	31	Totals
2	Import												0
	GW												0
	Total												0
6a	Import												0
	GW												0
	Total												0
6f	Import												0
	GW												0
	Total	0	22	15	0	0	7	0	0	0	22	0	67
10ad	Import												0
	GW							2	1				0
	Total												3
10e	Import												0
	GW												0
	Total		28			159	71		15				273
10h	Import												0
	GW												0
	Total								20				20
10v	Import												0
	GW												0
	Total					10		8	20				38
11a	Import												0
	GW												0
	Total							21	2			45	68
11o	Import												0
	GW												0
	Total	4								1			5
14c	Import												0
	GW												0
	Total	5						4		13			22
28a	Import												0
	GW												0
	Total		45				22	12	20				100
30a	Import												0
	GW												0
	Total		140			3						16	159
Specialty	Import												0
	GW												0
	Total	0	59	0	0	169	215	0	127	0	0	92	663
Total Irrigated Acreage		9	295	15	0	341	316	47	205	14	22	153	1418

2012 Crop Acreages

Crop Type	Water Type	T32S/R31E 24	25	26	27	35	36	T32S/R32E 18	19	20	30	31	Totals
2	Import												0
	GW												0
	Total												0
6a	Import												0
	GW												0
	Total												0
10ad	Import												0
	GW												0
	Total												0
10h	Import												0
	GW												0
	Total												0
10v	Import												0
	GW												0
	Total												0
11a	Import												0
	GW												0
	Total												0
11g	Import												0
	GW												0
	Total												0
28a	Import												0
	GW												0
	Total												0
Specialty	Import												0
	GW												0
	Total												0
Total Irrigated Acreage		82	620	150	193	480	620	83	506	14	284	300	3332
2013		70	620	120	3	480	620	60	420		180	300	2873
Max Year		82	640	150	251	470	640	83	506	14	284	268	3388

2013 Crop Acreages

Crop Type	Water Type	T32S/R31E 24	25	26	27	35	36	T32S/R32E 18	19	20	30	31	Totals
2	Import												0
	GW												0
	Total												0
6a	Import												0
	GW												0
	Total												0
10ad	Import												0
	GW												0
	Total												0
10h	Import												0
	GW												0
	Total												0
10v	Import												0
	GW												0
	Total												0
11a	Import												0
	GW												0
	Total												0
11g	Import												0
	GW												0
	Total												0
28a	Import												0
	GW												0
	Total												0
Specialty	Import												0
	GW												0
	Total												0
Total Irrigated Acreage		70	620	120	3	480	620	60	420		180	300	2873



APPENDIX F

APPLIED IRRIGATED WATER

2002 Water Use

Crop Type	Water Type	T32S/R31E						T32S/R32E					Totals
		24	25	26	27	35	36	18	19	20	30	31	
2	Import												0
	GW												0
	Total	0	0	0	0	190	0	0	0	0	0	0	190
6a	Import												0
	GW												0
	Total	0	0	0	0	0	0	0	0	0	0	0	0
6f	Import												0
	GW												0
	Total	0	0	0	0	153	0	0	0	0	0	0	153
10ad	Import												0
	GW												0
	Total	0	0	0	0	0	0	0	9	0	0	0	9
10d	Import												0
	GW												0
	Total	0	0	0	0	0	0	0	0	0	0	12	12
10e	Import												0
	GW												0
	Total	0	0	0	0	429	202	0	230	0	0	0	861
10h	Import												0
	GW												0
	Total	0	0	0	0	0	0	0	0	0	0	0	0
10t	Import												0
	GW												0
	Total	0	0	0	0	0	0	0	230	0	0	0	230
10v	Import												0
	GW												0
	Total	0	0	0	0	0	0	0	29	0	0	0	29
10z	Import												0
	GW												0
	Total	0	0	0	0	0	0	0	0	0	0	66	66
11a	Import												0
	GW												0
	Total	0	0	0	6	0	0	46	6	40	0	95	193
11f	Import												0
	GW												0
	Total	6	0	0	0	0	0	0	0	0	0	0	6
11g	Import												0
	GW												0
	Total	0	0	0	0	0	0	0	0	0	0	0	0
28a	Import												0
	GW												0
	Total	170	898	158	0	0	838	58	596	0	818	285	3820
30a	Import												0
	GW												0
	Total	0	0	0	0	0	0	0	0	0	0	20	20
Specialty	Import												0
	GW												0
	Total	0	0	0	0	475	222	0	340	0	0	58	1094
Totals	Import	0	0	0	0	0	0	0	0	0	0	0	0
	GW	0	0	0	0	0	0	0	0	0	0	0	0
	Total	176	898	158	6	1247	1261	104	1440	40	818	535	6682
	IRF	26	135	24	1	187	189	16	216	6	123	80	1002

2003 Water Use

Crop Type	Water Type	T32S/R31E						T32S/R32E					Totals
		24	25	26	27	35	36	18	19	20	30	31	
2	Import												0
	GW												0
	Total	0	0	0	0	152	0	0	0	0	0	0	152
6a	Import												0
	GW												0
	Total	0	0	0	0	0	0	0	0	0	0	0	0
10ad	Import												0
	GW												0
	Total	2	0	0	2	0	0	5	5	0	0	5	18
10e	Import												0
	GW												0
	Total	0	0	0	0	170	236	0	149	0	0	0	556
10h	Import												0
	GW												0
	Total	0	0	0	0	0	0	0	0	0	0	0	0
10m	Import												0
	GW												0
	Total	0	0	0	0	0	0	0	0	0	0	0	0
10t	Import												0
	GW												0
	Total	0	0	0	95	0	0	0	72	0	0	0	168
10v	Import												0
	GW												0
	Total	0	0	0	0	0	0	0	14	0	0	0	14
10z	Import												0
	GW												0
	Total	0	0	0	0	0	0	0	83	0	0	0	83
11a	Import												0
	GW												0
	Total	7	0	0	7	0	0	44	5	0	0	83	145
11f	Import												0
	GW												0
	Total	2	0	0	0	0	0	0	0	0	0	2	5
11g	Import												0
	GW												0
	Total	0	0	0	0	0	0	0	0	0	0	0	0
14a	Import												0
	GW												0
	Total	11	0	0	0	0	0	0	0	0	0	0	11
28a	Import												0
	GW												0
	Total	165	1469	345	0	0	719	0	539	0	464	422	4124
30a	Import												0
	GW												0
	Total	0	0	0	0	0	0	0	0	0	0	16	16
Specialty	Import												0
	GW												0
	Total	0	0	0	0	524	538	0	296	0	0	51	1409
Totals	Import	0	0	0	0	0	0	0	0	0	0	0	0
	GW	0	0	0	0	0	0	0	0	0	0	0	0
	Total	188	1469	345	104	845	1494	48	1163	0	464	579	6700
	IRF	28	220	52	16	127	224	7	174	0	70	87	1005

2004 Water Use

Crop Type	Water Type	T32S/R31E						T32S/R32E					Totals
		24	25	26	27	35	36	18	19	20	30	31	
2	Import												0
	GW												0
	Total	0	0	0	0	288	0	0	0	0	0	0	288
6a	Import												0
	GW												0
	Total	0	0	0	0	0	0	0	0	0	0	0	0
10ad	Import												0
	GW												0
	Total	6	0	0	3	0	0	9	9	0	0	12	37
10e	Import												0
	GW												0
	Total	0	0	0	0	389	52	0	236	0	0	0	677
10h	Import												0
	GW												0
	Total	0	0	0	0	0	0	0	0	0	0	0	0
10m	Import												0
	GW												0
	Total	0	0	0	0	334	276	0	29	0	0	0	639
10v	Import												0
	GW												0
	Total	0	0	0	0	0	0	0	124	0	0	0	124
11a	Import												0
	GW												0
	Total	9	0	0	9	0	0	58	6	0	0	109	190
11f	Import												0
	GW												0
	Total	12	0	0	0	0	0	0	0	0	0	0	12
11g	Import												0
	GW												0
	Total	0	0	0	0	0	0	0	0	0	0	0	0
14a	Import												0
	GW												0
	Total	14	0	0	0	0	0	0	0	0	0	0	14
28a	Import												0
	GW												0
	Total	158	1440	346	0	0	916	173	288	0	446	406	4173
30a	Import												0
	GW												0
	Total	0	0	0	0	0	0	0	0	0	0	37	37
Specialty	Import												0
	GW												0
	Total	0	0	0	0	121	501	0	308	0	0	98	1028
Totals	Import	0	0	0	0	0	0	0	0	0	0	0	0
	GW	0	0	0	0	0	0	0	0	0	0	0	0
	Total	199	1440	346	12	1132	1745	239	999	0	446	662	7220
	IRF	30	216	52	2	170	262	36	150	0	67	99	1083

2005 Water Use

Crop Type	Water Type	T32S/R31E						T32S/R32E					Totals
		24	25	26	27	35	36	18	19	20	30	31	
2	Import												0
	GW												0
	Total	0	0	0	0	235	0	0	0	0	0	0	235
6a	Import												0
	GW												0
	Total	0	0	0	0	0	0	0	0	0	0	0	0
10ad	Import												0
	GW												0
	Total	5	0	0	7	0	0	7	7	0	0	9	35
10e	Import												0
	GW												0
	Total	0	0	0	0	179	85	0	272	0	0	66	601
10h	Import												0
	GW												0
	Total	0	0	0	0	0	0	0	0	0	0	0	0
10m	Import												0
	GW												0
	Total	0	56	0	0	99	0	0	0	0	0	0	155
10v	Import												0
	GW												0
	Total	0	0	0	0	171	0	0	170	0	0	19	361
11a	Import												0
	GW												0
	Total	7	0	0	0	0	0	16	5	0	0	89	117
11f	Import												0
	GW												0
	Total	5	0	0	0	0	0	0	0	0	0	5	9
11g	Import												0
	GW												0
	Total	0	0	0	0	0	0	0	0	0	0	0	0
14a	Import												0
	GW												0
	Total	12	0	0	0	0	0	0	0	0	0	0	12
28a	Import												0
	GW												0
	Total	129	728	282	576	0	728	70	258	0	364	336	3472
30a	Import												0
	GW												0
	Total	0	0	0	7	0	0	0	0	0	0	31	38
Specialty	Import												0
	GW												0
	Total	0	117	0	0	420	625	0	208	0	0	0	1371
Totals	Import	0	0	0	0	0	0	0	0	0	0	0	0
	GW	0	0	0	0	0	0	0	0	0	0	0	0
	Total	157	902	282	590	1104	1438	94	921	0	364	554	6406
	IRF	24	135	42	88	166	216	14	138	0	55	83	961

2006 Water Use

Crop Type	Water Type	T32S/R31E						T32S/R32E					Totals
		24	25	26	27	35	36	18	19	20	30	31	
2	Import												0
	GW												0
	Total	0	0	0	0	0	0	0	0	0	0	0	0
6a	Import												0
	GW												0
	Total	0	0	0	0	0	0	0	0	0	0	0	0
10ad	Import												0
	GW												0
	Total	5	0	0	7	0	0	0	7	0	0	9	28
10e	Import												0
	GW												0
	Total	0	64	0	0	269	189	0	120	0	0	0	642
10h	Import												0
	GW												0
	Total	0	0	0	0	0	0	0	0	0	0	0	0
10m	Import												0
	GW												0
	Total	0	61	0	0	301	269	0	213	0	0	0	844
10t	Import												0
	GW												0
	Total	0	0	0	0	0	47	0	0	0	0	0	47
10v	Import												0
	GW												0
	Total	0	70	0	0	27	96	0	142	0	0	24	359
11a	Import												0
	GW												0
	Total	7	0	0	0	0	0	0	5	0	0	90	102
11f	Import												0
	GW												0
	Total	5	0	0	0	0	0	0	0	0	0	5	9
11g	Import												0
	GW												0
	Total	0	0	0	0	0	0	0	0	0	0	0	0
14a	Import												0
	GW												0
	Total	12	0	0	0	0	0	0	0	0	0	0	12
28a	Import												0
	GW												0
	Total	130	1228	286	0	0	702	165	236	0	366	231	3345
30a	Import												0
	GW												0
	Total	0	0	0	0	7	0	0	0	0	0	31	38
Specialty	Import												0
	GW												0
	Total	0	47	0	0	475	208	0	253	0	0	64	1046
Totals	Import	0	0	0	0	0	0	0	0	0	0	0	0
	GW	0	0	0	0	0	0	0	0	0	0	0	0
	Total	158	1470	286	7	1079	1511	165	976	0	366	454	6473
	IRF	24	221	43	1	162	227	25	146	0	55	68	971

2007 Water Use

Crop Type	Water Type	T32S/R31E						T32S/R32E					Totals
		24	25	26	27	35	36	18	19	20	30	31	
2	Import												0
	GW												0
	Total	0	0	0	0	0	0	0	0	0	0	0	0
6a	Import												0
	GW												0
	Total	0	0	0	0	0	0	0	0	0	0	0	0
10ad	Import												0
	GW												0
	Total	12	0	0	7	0	0	0	7	25	0	9	60
10e	Import												0
	GW												0
	Total	0	9	0	0	407	259	0	161	0	0	0	837
10h	Import												0
	GW												0
	Total	0	843	0	0	0	0	0	0	0	0	429	1272
10m	Import												0
	GW												0
	Total	0	81	0	0	269	185	0	167	0	0	53	755
10v	Import												0
	GW												0
	Total	0	0	0	0	0	0	0	0	0	0	23	23
11a	Import												0
	GW												0
	Total	7	0	0	0	0	0	0	5	0	0	95	106
11f	Import												0
	GW												0
	Total	5	0	0	0	0	0	0	0	0	0	5	9
11g	Import												0
	GW												0
	Total	0	0	0	0	0	0	0	0	0	0	0	0
14a	Import												0
	GW												0
	Total	12	0	0	0	0	0	0	0	0	0	0	12
28a	Import												0
	GW												0
	Total	127	716	280	0	0	688	162	232	0	359	0	2564
30a	Import												0
	GW												0
	Total	0	0	0	0	7	0	0	0	0	0	0	7
Specialty	Import												0
	GW												0
	Total	0	216	0	0	336	255	0	275	0	0	7	1089
Totals	Import	0	0	0	0	0	0	0	0	0	0	0	0
	GW	0	0	0	0	0	0	0	0	0	0	0	0
	Total	162	1866	280	7	1019	1387	162	846	25	359	621	6734
	IRF	24	280	42	1	153	208	24	127	4	54	93	1010

2008 Water Use

Crop Type	Water Type	T32S/R31E						T32S/R32E					Totals
		24	25	26	27	35	36	18	19	20	30	31	
2	Import												0
	GW		143			86							229
	Total	0	472	221	0	0	0	0	0	0	59	0	752
6a	Import												0
	GW												0
	Total	0	0	0	0	0	0	0	0	0	0	0	0
10ad	Import												0
	GW												0
	Total	0	0	0	0	0	0	12	6	0	0	0	18
10e	Import												0
	GW												0
	Total	0	0	0	0	168	215	0	313	0	0	0	696
10h	Import												0
	GW												0
	Total	0	0	0	0	50	89	0	0	0	0	0	139
10m	Import												0
	GW												0
	Total	0	150	0	0	413	183	0	91	0	0	0	838
10t	Import												0
	GW												0
	Total	0	283	0	0	0	174	0	0	0	0	224	681
10v	Import												0
	GW												0
	Total	0	0	0	0	0	0	0	0	0	0	0	0
11a	Import											95	95
	GW			9				356	285			133	783
	Total	0	0	0	0	0	0	62	6	0	0	133	201
11g	Import												0
	GW								68				68
	Total	0	0	0	0	0	0	0	0	0	0	0	0
11o	Import												0
	GW												0
	Total	15	0	0	0	0	0	0	0	3	0	0	18
14c	Import												0
	GW												0
	Total	15	0	0	0	0	0	0	0	12	0	0	27
28a	Import												0
	GW								171				171
	Total	0	236	0	0	0	236	118	236	0	443	0	1269
30a	Import												0
	GW												0
	Total	0	0	0	0	9	0	0	0	0	0	47	56
Specialty	Import												0
	GW												0
	Total	0	227	0	0	336	322	0	363	0	0	142	1389
Totals	Import	0	0	0	0	0	0	0	0	0	0	95	95
	GW	0	143	9	0	86	0	356	524	0	0	133	1251
	Total	30	1369	221	0	976	1218	192	1015	15	502	546	6083
	IRF	4	205	33	0	146	183	29	152	2	75	82	912

2009 Water Use

Crop Type	Water Type	T32S/R31E						T32S/R32E					Totals
		24	25	26	27	35	36	18	19	20	30	31	
2	Import												0
	GW												0
	Total	0	493	231	0	0	123	0	0	0	524	0	1371
6a	Import												0
	GW												0
	Total	0	0	0	0	0	0	0	0	0	0	0	0
10ad	Import												0
	GW												0
	Total	0	0	0	0	0	0	6	3	0	0	0	9
10e	Import												0
	GW												0
	Total	0	76	0	0	431	194	0	41	0	0	0	742
10h	Import												0
	GW												0
	Total	0	0	0	0	0	0	0	0	0	0	0	0
10m	Import												0
	GW												0
	Total	0	65	0	0	0	91	0	352	0	0	0	508
10v	Import												0
	GW												0
	Total	0	0	0	0	60	0	50	120	0	0	0	231
11a	Import												0
	GW												0
	Total	0	0	0	0	0	0	65	6	0	0	139	209
11g	Import												0
	GW												0
	Total	0	0	0	0	0	0	0	0	0	0	0	0
11o	Import												0
	GW												0
	Total	12	0	0	0	0	0	0	0	3	0	0	15
14c	Import												0
	GW												0
	Total	15	0	0	0	0	0	12	0	40	0	0	68
28a	Import												0
	GW												0
	Total	0	196	0	0	0	98	49	88	0	0	0	431
30a	Import												0
	GW												0
	Total	0	0	0	0	9	0	0	0	0	0	49	59
Specialty	Import												0
	GW												0
	Total	0	111	0	0	316	400	0	237	0	0	172	1237
Totals	Import	0	0	0	0	0	0	0	0	0	0	0	0
	GW	0	0	0	0	0	0	0	0	0	0	0	0
	Total	28	941	231	0	816	906	182	848	43	524	360	4880
	IRF	4	141	35	0	122	136	27	127	6	79	54	732

2010 Water Use

Crop Type	Water Type	T32S/R31E						T32S/R32E					Totals
		24	25	26	27	35	36	18	19	20	30	31	
2	Import												0
	GW												0
	Total	0	53	35	0	0	18	0	0	0	53	0	158
6a	Import												0
	GW												0
	Total	0	0	0	0	0	0	0	0	0	0	0	0
10ad	Import												0
	GW												0
	Total	0	0	0	0	0	0	7	4	0	0	0	11
10e	Import												0
	GW												0
	Total	0	103	0	0	584	262	0	56	0	0	0	1004
10h	Import												0
	GW												0
	Total	0	0	0	0	0	0	0	77	0	0	0	77
10m	Import												0
	GW												0
	Total	0	0	0	0	0	0	0	0	0	0	0	0
10v	Import												0
	GW												0
	Total	0	0	0	0	58	0	48	115	0	0	0	221
11a	Import												0
	GW												0
	Total	0	0	0	0	0	0	74	7	0	0	158	239
11g	Import												0
	GW												0
	Total	0	0	0	0	0	0	0	0	0	0	0	0
11o	Import												0
	GW												0
	Total	14	0	0	0	0	0	0	0	4	0	0	18
14c	Import												0
	GW												0
	Total	18	0	0	0	0	0	14	0	46	0	0	77
28a	Import												0
	GW												0
	Total	0	158	0	0	0	79	39	71	0	0	0	347
30a	Import												0
	GW												0
	Total	0	0	0	0	11	0	0	0	0	0	56	67
Specialty	Import												0
	GW												0
	Total	0	216	0	0	614	779	0	461	0	0	335	2405
Totals	Import	0	0	0	0	0	0	0	0	0	0	0	0
	GW	0	0	0	0	0	0	0	0	0	0	0	0
	Total	32	529	35	0	1266	1138	182	791	49	53	550	4624
	IRF	5	79	5	0	190	171	27	119	7	8	82	694

2011 Water Use

Crop Type	Water Type	T32S/R31E						T32S/R32E					Totals
		24	25	26	27	35	36	18	19	20	30	31	
2	Import												0
	GW												0
	Total	0	0	0	0	0	0	0	0	0	0	0	0
6a	Import												0
	GW												0
	Total	0	0	0	0	0	0	0	0	0	0	0	0
6f	Import												0
	GW												0
	Total	0	44	29	0	0	15	0	0	0	44	0	131
10ad	Import												0
	GW												0
	Total	0	0	0	0	0	0	4	2	0	0	0	6
10e	Import												0
	GW												0
	Total	0	54	0	0	310	139	0	29	0	0	0	533
10h	Import												0
	GW												0
	Total	0	0	0	0	0	0	0	39	0	0	0	39
10v	Import												0
	GW												0
	Total	0	0	0	0	19	0	16	39	0	0	0	74
11a	Import												0
	GW												0
	Total	0	0	0	0	0	0	41	4	0	0	88	133
11g	Import												0
	GW												0
	Total	8	0	0	0	0	0	0	0	2	0	0	10
14c	Import												0
	GW												0
	Total	10	0	0	0	0	0	8	0	25	0	0	43
28a	Import												0
	GW												0
	Total	0	88	0	0	0	44	24	39	0	0	0	195
30a	Import												0
	GW												0
	Total	0	273	0	0	6	0	0	0	0	0	31	310
Specialty	Import												0
	GW												0
	Total	0	116	0	0	330	419	0	248	0	0	180	1294
Totals	Import	0	0	0	0	0	0	0	0	0	0	0	0
	GW	0	0	0	0	0	0	0	0	0	0	0	0
	Total	18	575	29	0	665	616	93	401	27	44	299	2767
	IRF	3	86	4	0	100	92	14	60	4	7	45	415

2012 Water Use

Crop Type	Water Type	T32S/R31E						T32S/R32E					Totals
		24	25	26	27	35	36	18	19	20	30	31	
2	Import												0
	GW												0
	Total												0
6a	Import												0
	GW												0
	Total												0
10ad	Import												0
	GW												0
	Total												0
10h	Import												0
	GW												0
	Total												0
10v	Import												0
	GW												0
	Total												0
11a	Import												0
	GW												0
	Total												0
11g	Import												0
	GW												0
	Total												0
28a	Import												0
	GW												0
	Total												0
Specialty	Import												0
	GW												0
	Total												0
Totals	Import	0	0	0	0	0	0	0	0	0	0	0	0
	GW	0	0	0	0	0	0	0	0	0	0	0	0
	Total	117	885	214	276	685	885	119	723	20	406	428	4758
	IRF	18	133	32	41	103	133	18	108	3	61	64	714

2013 Water Use

[illegible]



APPENDIX G

CCI AND DOMESTIC RETURN FLOWS

Table G-1. Domestic Groundwater Pumping and Return Flows (acre-feet)

Year	Baseline Dom GW Pumping ¹	Adjusted Dom GW Pumping ²	Dom Return Flow	CCI Return Flow	Dom/CCI Return Flow	Other Pumping (from annual reports)
2002	114	159	80	257	336	228
2003	140	195	98	238	335	306
2004	140	195	98	229	327	278
2005	172	240	120	225	345	339
2006	171	239	119	231	350	348
2007	157	219	110	228	337	319
2008	158	220	110	212	322	321
2009	170	238	119	183	301	346
2010	165	231	115	160	275	336
2011	180	251	126	204	329	366
2012	198	277	138	157	295	403
2013	198	276	138	202	340	402
Averages	164	228	114	210	325	333

Notes:

= estimated as 49.2% of "Other Pumping" from TCCWD Report

1. Baseline domestic pumping is based on data in TCCWD Annual Reports
2. Adjusted domestic pumping is based on 2013 parcel water demand data provided by TCCWD for this study.

Table G-2. Domestic Water Demand for 2013

T/R-S	Parcels Without Wells Water Demand (AFY)	Parcels with Wells Water Demand (AFY)	Total Domestic Water Demand (AFY)
32S/31E-22	4		4
32S/31E-23		10	10
32S/31E-24	20	12	32
32S/31E-25	3	4	7
32S/31E-26	12	15	27
32S/31E-27	6	9	15
32S/31E-34	6	3	9
32S/31E-36	6		6
32S/32E-18	4	2	6
32S/32E-19	8	3	12
32S/32E-20	35	12	47
32S/32E-31	6	9	15
32S/32E-32		8	8
11N/16W-6	4		4
12N/16W-32	35		35
12N/16W-33	3		3
12N/16W-34	38		38
Total	191	86	276



APPENDIX H

ARTIFICIAL RECHARGE DATA

Appendix H

Page 1 of 5

Tehachapi-Cummings County Water District
Cummings Basin Recharge
(values in acre-feet except as noted)

Appendix H

Year	Month	Chanac Creek	19-acres / CV Loop	Cummings Ponds	Calendar Year Total	Water Year Totals (acre-feet)				Stress Period Totals (feet3/day)		
						Chanac Creek	19-acres / CV Loop	Cummings Ponds	Water Year Total	Chanac Creek	19-acres / CV Loop	Cummings Ponds
2004	Jan	124	0	22	146					94,486	0	13,804
	Feb	36	0	0	36							
	Mar	124	0	36	160							
	Apr	186	0	55	241							
	May	25	0	5	30							
	Jun	0	0	0	0							
	Jul	0	0	0	0							
	Aug	11	0	5	16							
	Sep	105	0	30	135	724	0	153	877	77,826	0	22,610
	Oct	130	0	65	195							
	Nov	96	0	35	131							
	Dec	0	0	0	0							
	Total	837	0	253	1,090							
2005	Jan	0	0	0	0							
	Feb	17	0	0	17							
	Mar	0	0	0	0					57,834	0	23,800
	Apr	172	0	0	172							
	May	152	0	0	152							
	Jun	172	0	75	247							
	Jul	20	0	6	26							
	Aug	0	0	0	0							
	Sep	0	0	0	0	759	0	181	940	122,808	0	19,278
	Oct	118	0	42	160							
	Nov	104	0	67	171							
	Dec	0	0	0	0							
	Total	755	0	190	945							
2006	Jan	0	0	1	1							
	Feb	134	0	36	170							
	Mar	252	0	57	309					144,704	0	48,314
	Apr	213	0	49	262							
	May	214	0	121	335							
	Jun	107	0	65	172							
	Jul	21	0	11	32							
	Aug	0	0	0	0							
	Sep	46	0	37	83	1,209	0	486	1,695	143,038	0	67,354
	Oct	139	0	67	206							
	Nov	55	0	12	67							
	Dec	3	0	13	16							
	Total	1,184	0	469	1,653							

Tehachapi-Cummings County Water District
Cummings Basin Recharge
(values in acre-feet except as noted)

Appendix H

Year	Month	Chanac Creek	19-acres / CV Loop	Cummings Ponds	Calendar Year Total	Water Year Totals (acre-feet)				Stress Period Totals (feet3/day)		
						Chanac Creek	19-acres / CV Loop	Cummings Ponds	Water Year Total	Chanac Creek	19-acres / CV Loop	Cummings Ponds
2007	Jan	0	0	0	0					46,886	0	27,132
	Feb	0	0	0	0							
	Mar	0	0	22	22							
	Apr	80	0	76	156							
	May	183	0	60	243							
	Jun	94	0	0	94							
	Jul	82	0	0	82							
	Aug	49	0	28	77							
	Sep	164	0	66	230	849	0	344	1,193	155,176	0	54,740
	Oct	200	0	63	263							
	Nov	72	0	31	103							
	Dec	0	0	0	0							
	Total	924	0	346	1,270							
2008	Jan	0	0	0	0							
	Feb	0	0	0	0							
	Mar	0	0	6	6					64,736	0	23,800
	Apr	7	0	2	9							
	May	160	0	47	207							
	Jun	80	0	35	115							
	Jul	0	0	0	0							
	Aug	0	0	0	0							
	Sep	201	0	57	258	720	0	241	961	106,624	0	33,558
	Oct	127	0	78	205							
	Nov	159	0	24	183							
	Dec	21	0	0	21							
	Total	755	0	249	1,004							
2009	Jan	0	0	0	0							
	Feb	0	0	0	0							
	Mar	0	0	0	0					73,066	0	24,276
	Apr	0	0	0	0							
	May	76	0	74	150							
	Jun	204	0	38	242							
	Jul	191	0	69	260							
	Aug	221	0	77	298							
	Sep	190	0	85	275	1,189	0	445	1,634	209,916	0	81,634
	Oct	208	0	86	294							
	Nov	78	0	0	78							
	Dec	17	0	1	18							
	Total	1,185	0	430	1,615							

Tehachapi-Cummings County Water District
Cummings Basin Recharge
(values in acre-feet except as noted)

Appendix H

Year	Month	Chanac Creek	19-acres / CV Loop	Cummings Ponds	Calendar Year Total	Water Year Totals (acre-feet)				Stress Period Totals (feet3/day)		
						Chanac Creek	19-acres / CV Loop	Cummings Ponds	Water Year Total	Chanac Creek	19-acres / CV Loop	Cummings Ponds
2010	Jan	0	0	0	0							
	Feb	0	0	0	0							
	Mar	77	0	0	77					90,440	0	20,706
	Apr	118	0	33	151							
	May	217	0	73	290							
	Jun	203	0	71	274							
	Jul	215	0	74	289							
	Aug	194	0	79	273							
	Sep	240	0	89	329	1,471	0	480	1,951	259,658	0	93,534
	Oct	245	0	20	265							
	Nov	156	0	0	156							
	Dec	49	0	0	49							
	6% loss	(96)	0	(26)	(122)							
	Total	1,618	0	413	2,031							
2011	Jan	0	0	0	0							
	Feb	43	0	1	44							
	Mar	30	0	0	30					124,474	0	4,998
	Apr	52	0	0	52							
	May	71	0	3	74							
	Jun	71	0	24	95							
	Jul	194	0	76	270							
	Aug	108	93	46	247							
	Sep	0	175	65	240	793	252	222	1,459	109,956	59,976	47,838
	Oct	0	0	0	0							
	Nov	1	0	0	1							
	Dec	0	1	1	2							
	6% loss	(34)	(16)	(13)	(63)							
	Total	536	253	203	992							
2012	Jan	0	0	0	0							
	Feb	0	0	0	0							
	Mar	0	0	0	0					238	238	238
	Apr	0	132	44	176							
	May	0	121	24	145							
	Jun	0	57	65	122							
	Jul	0	0	46	46							
	Aug	0	24	47	71							
	Sep	0	134	81	215	174	642	481	714	0	101,626	67,592
	Oct	0	219	66	285							
	Nov	0	0	0	0							
	Dec	0	2	0	2							
	6% loss	0	(41)	(23)	(64)							
	Total	0	648	350	998							

Tehachapi-Cummings County Water District
Cummings Basin Recharge
(values in acre-feet except as noted)

Appendix H

Year	Month	Chanac Creek	19-acres / CV Loop	Cummings Ponds	Calendar Year Total	Water Year Totals (acre-feet)				Stress Period Totals (feet3/day)		
2013	Jan	0	1	0	1							
	Feb	0	0	0	0	Chanac Creek	19-acres / CV Loop	Cummings Ponds	Water Year Total	Chanac Creek	19-acres / CV Loop	Cummings Ponds
	Mar	0	56	23	79					0	66,164	21,182
	Apr	0	150	53	203							
	May	0	98	20	118							
	Jun	0	169	41	210							
	Jul	0	167	7	174							
	Aug	0	178	14	192							
	Sep	0	139	68	207	0	1,114	275	1,389	0	198,968	44,268
	Oct	0	122	57	179							
	Nov	0	1	2	3							
	Dec	0	7	0	7							
	6% loss	0	(65)	(17)	(82)							
	Total	0	1,023	268	1,291							

2002-2013	Averages	744	160	301	1,205	742	167	313	1,189
-----------	----------	-----	-----	-----	-------	-----	-----	-----	-------



APPENDIX I

BEDROCK WELL SPECIFIC CAPACITY DATA

Appendix I. Cummings Valley Bedrock Hydraulic Conductivity.

Well Log No	T/R/S	Basin Location	Ref. Elev. (Feet MSL)	Total Depth (feet bgs)	Screen (feet bgs)	Unit Screened	Date of Test	SWL (feet bgs)	PWL (feet bgs)	DD (feet)	Q (gpm)	Q/s (gpm/ft)	T (gpd/ft)	Aquifer Thickness (ft)	K (ft/d)
1080960	T11N/R16W-1Q	Brite Valley	6,081	835	695-835	Salt and Pepper Granite	5/24/2006	695	835	140	12	0.086	86	140	0.08
529191	T11N/R16W-1Q	Brite Valley	6,080	760	660-760	Fractured Blue Granite	7/26/1999	600	700	100	12	0.12	120	100	0.16
510305	T11N/R16W-2	Cummings Creek	5,354	650	500-650	Fractured Granite, Blue Granite	6/29/1996	200	400	200	5	0.025	25	150	0.02
505349	T11N/R16W-6K	Stallion Springs	4,774	500	140-495	Hard Granite, Soft Granite	8/22/2000	250	450	200	15	0.075	75	245	0.04
398853	12N/R16W-35M	Cummings Creek	4,986	500	150-450	Granite	10/2/1991	250	400	150	10	0.067	67	200	0.04
1080971	T32S/R31E-21	Oak Flat	4,614	400	30-400	DG, Salt and Pepper Granite	9/22/2006	200	300	100	10	0.100	100	200	0.07
E0087529	T32S/R31E-23	NW Basin	3,882	300	80-300	DG, Granite	11/7/2008	80	230	150	9	0.060	60	220	0.04
438891	T32S/R31E-24F	North Side	3,945	460	140-460	Granite	4/6/1999	60	240	180	40	0.222	222	320	0.09
775914	T32S/R32E-32P	SouthEast Side	4,136	300	130-300	Crushed Rock	11/12/2001	60	280	220	15	0.068	68	170	0.05



APPENDIX J

AGRICULTURAL GROUNDWATER PUMPING DATA



APPENDIX K

MUNICIPAL/INDUSTRIAL GROUNDWATER PUMPING DATA

															ft3/d	ft3/d	
															Oct-Mar	Apr-Sep	
															Stress	Stress	
															Period	Period	
TURN OUT	CUST.	2001 CUMMINGS VALLEY WELLS															
NUMBER	ACCT #	NAME				JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	TOTAL		
BVS WELL 1		BEAR VALLEY CSD				0.018	0.000	0.227	0.000	32.477	46.384	40.489	32.582	42.573	194.750		
BVS WELL 2		BEAR VALLEY CSD				10.184	0.000	0.908	1.402	36.316	43.941	38.120	47.271	18.853	196.996		
BVS WELL 3		BEAR VALLEY CSD											19.059	22.630	41.689		
		Bear Valley Wells Total				10.203	0.000	1.135	1.402	68.793	90.325	78.610	98.911	84.056	433.436		
CCI WELL 12	618	Calif Correctional Institute				68.2700	54.4500	65.9800	66.7300	76.7900	73.0000	75.6900	70.3500	62.9300	614.1900		
TURN OUT	CUST.	2002 CUMMINGS VALLEY WELLS												ft3/d	ft3/d		
NUMBER	ACCT #	NAME	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	TOTAL	Oct-Mar	Apr-Sep
BVS WELL 1		BEAR VALLEY CSD	44.72	0.56	1.98	2.68	0.00	0.00	6.16	20.55	39.02	36.37	32.14	29.96	214.14	11,936	39,085
BVS WELL 2		BEAR VALLEY CSD	36.40	6.69	0.95	1.49	5.78	3.87	25.74	17.10	33.80	32.28	29.80	27.66	221.56	13,189	39,604
BVS WELL 3		BEAR VALLEY CSD	13.51	10.72	1.88	3.89	1.27	1.83	0.00	7.74	20.12	19.51	21.05	19.67	121.19	7,911	20,968
BVS WELL 4		BEAR VALLEY CSD				0.00	0.00	0.00	0.00	0.00	0.00	31.81	41.69	39.38	112.88	0	26,869
		Bear Valley Wells Total	94.63	17.97	4.81	8.06	7.05	5.70	31.90	45.39	92.94	119.97	124.68	116.67	669.77	33,036	126,526
		X-2	9.0900	1.5100	0.2420	0.8790	1.6830	3.0310	7.4290	3.6660	11.5360	12.1820	11.5240	8.0780	70.850	3,928	12,953
		LEISURE	9.3300	0.9800	1.0500	3.5730	1.4220	2.2660	6.8440	13.4480	12.6220	22.4740	17.9170	19.8330	111.759	4,451	22,170
		Y-23	6.4250	6.2870	5.5030	5.3930	5.9860	5.7010	5.6240	6.6230	5.9890	4.9140	5.4840	3.6140	67.543	8,436	7,676
		Stallion Springs CSD Total	24.8450	8.7770	6.7950	9.8450	9.0910	10.9980	19.8970	23.7370	30.1470	39.5700	34.9250	31.5250	250.152	16,815	42,799
CCI WELL 12	618	Calif Correctional Institute	93.4500	89.7300	82.7300	87.6200	64.5800	67.3600	72.0000	71.9800	75.5600	81.8100	76.6000	78.5000	941.920	116,033	108,650
		Total Municipal Pumping	213	116	94	106	81	84	124	141	199	241	236	227	1,862	165,884	277,975
															ft3/d	ft3/d	
TURN OUT	CUST.	2003 CUMMINGS VALLEY WELLS												Oct-Mar	Apr-Sep		
NUMBER	ACCT #	NAME	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	TOTAL		
BVS WELL 1		BEAR VALLEY CSD	27.33	11.77	0.00	0.00	0.00	0.00	0.00	0.94	25.96	35.94	37.15	38.89	177.98	9,345	33,058
BVS WELL 2		BEAR VALLEY CSD	25.76	6.83	3.85	5.10	0.00	0.00	0.45	1.63	17.95	30.75	20.63	20.07	133.02	9,929	21,775
BVS WELL 3		BEAR VALLEY CSD	14.77	2.92	6.26	4.42	1.61	0.00	4.60	7.00	7.17	12.02	10.15	12.36	83.28	7,166	12,687
BVS WELL 4		BEAR VALLEY CSD	37.98	17.51	10.39	7.09	3.93	0.00	6.88	12.18	41.56	30.41	28.19	25.41	221.53	18,380	34,427
		Bear Valley Wells Total	105.84	39.03	20.50	16.61	5.54	0.00	11.93	21.75	92.64	109.12	96.12	96.73	615.81	44,820	101,947
		X-2	3.442	7.169	0.970	4.220	2.750	4.770	3.520	5.900	11.100	10.780	8.790	5.580	68.991	5,574	10,871
		LEISURE	15.816	1.610	0.000	0.000	0.000	3.590	6.040	3.800	17.050	19.680	10.700	17.900	96.186	5,023	17,893
		Y-23	5.623	3.258	6.190	6.370	5.500	2.290	1.590	7.580	8.770	8.900	7.340	8.450	71.861	6,987	10,147
		Stallion Springs CSD Total	24.881	12.037	7.160	10.590	8.250	10.650	11.150	17.280	36.920	39.360	26.830	31.930	237.038	17,584	38,911
CCI WELL B	619.000	Calif Correctional Institute				0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.990	0.000	2.990	0	712
CCI WELL 12	618.000	Calif Correctional Institute	72.790	64.520	69.330	75.860	73.450	78.460	85.250	86.610	86.120	82.060	87.990	81.360	943.800	103,829	121,252
		CCI Wells Total	72.790	64.520	69.330	75.860	73.450	78.460	85.250	86.610	86.120	82.060	90.980	81.360	946.790	103,829	121,963
		Total Municipal Pumping	204	116	97	103	87	89	108	126	216	231	214	210	1,800	166,233	262,822
															ft3/d	ft3/d	
TURN OUT	CUST.	2004 CUMMINGS VALLEY WELLS												Oct-Mar	Apr-Sep		
NUMBER	ACCT #	NAME	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	TOTAL		
BVS WELL 1		BEAR VALLEY CSD	16.92	0.14	2.68	6.37	2.02	0.17	12.73	22.16	24.16	32.84	30.56	29.58	180.33	6,764	36,188
BVS WELL 2		BEAR VALLEY CSD	22.27	2.46	4.80	0.28	5.63	6.68	7.83	25.04	25.86	25.01	19.68	18.12	163.66	10,067	28,931
BVS WELL 3		BEAR VALLEY CSD	16.06	0.75	0.26	0.00	0.54	0.37	7.99	13.72	10.98	10.76	14.54	15.39	91.36	4,297	17,467
BVS WELL 4		BEAR VALLEY CSD	28.76	1.60	6.80	12.88	4.89	0.77	14.95	25.57	29.08	25.14	34.72	31.07	216.23	13,313	38,211
BVS Well 5		BEAR VALLEY CSD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
		Bear Valley Wells Total	84.01	4.95	14.54	19.53	13.08	7.99	43.50	86.49	90.08	93.75	99.50	94.16	651.58	34,442	120,797
		Sup Sod	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.4500	17.7700	20.8700	13.2200	53.310	0	12,690
		X-2	0.4200	0.1200	0.2000	0.2400	0.1200	1.3500	4.5100	11.1300	9.5800	6.0100	1.8600	0.2100	35.750	586	7,926
		LEISURE	15.5600	3.6900	2.6600	8.4200	12.8800	11.1300	9.3700	20.2500	21.1800	20.5500	19.6500	22.8000	168.140	12,988	27,088
		Y-23	8.9000	7.7500	8.8700	4.9400	0.3400	5.3200	7.8000	8.2000	8.2600	5.2000	6.2400	7.7400	79.560	8,633	10,340
		Stallion Springs CSD Total	24.880	11.560	11.730	13.600	13.340	17.800	21.680	39.580	40.470	49.530	48.620	43.970	336.760	22,207	58,044
CCI WELL B	619.000	Calif Correctional Institute	11.870	21.360	40.550	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	73.780	17,634	0
CCI WELL 12	618.000	Calif Correctional Institute	75.740	67.030	45.910	88.840	84.420	96.000	86.500	103.180	102.460	101.450	103.300	99.730	1054.560	109,453	142,015
		CCI Wells Total	87.610	88.390	86.460	88.840	84.420	96.000	86.500	103.180	102.460	101.450	103.300	99.730	1128.340	127,088	142,015
		Total Municipal Pumping	197	105	113	122	111	122	152	229	233	245	251	238	2,117	183,736	320,856

2005 CUMMINGS VALLEY WELLS																	
TURN OUT NUMBER	CUST. ACCT #	NAME	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	TOTAL	ft3/d Oct-Mar	ft3/d Apr-Sep
BVS WELL 1		BEAR VALLEY CSD	18.61	0.00	0.00	0.00	0.00	0.00	0.00	0.01	6.71	0.25	3.53	2.67	31.78	4,448	3,135
BVS WELL 2		BEAR VALLEY CSD	11.93	0.00	0.00	0.00	0.00	0.00	0.00	6.02	27.25	8.85	8.98	3.91	66.94	2,851	13,094
BVS WELL 3		BEAR VALLEY CSD	11.66	10.08	8.15	8.71	7.32	8.02	10.41	12.28	13.63	0.27	1.02	1.17	92.72	12,892	9,231
BVS WELL 4		BEAR VALLEY CSD	21.40	16.58	13.16	14.14	11.78	12.82	16.93	23.79	32.94	20.31	17.49	10.29	211.63	21,482	28,980
BVS Well 5		BEAR VALLEY CSD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	89.71	84.19	78.62	252.52	0	60,108
		Bear Valley Wells Total	63.60	26.66	21.31	22.85	19.10	20.84	27.34	42.10	80.53	119.39	115.21	96.66	655.59	41,674	114,549
		Sup Sod	0.820	0.250	0.000	0.000	0.000	0.000	0.000	0.000	4.500	12.750	0.000	0.000	18.320	256	4,106
		CV1				0.000	0.000	0.000	0.000	0.000	3.963	39.057	71.161	60.414	174.595	0	41,559
		X-2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0
		LEISURE	17.470	7.020	6.390	3.370	3.090	3.660	7.940	20.810	26.000	13.400	0.000	1.500	110.650	9,800	16,579
		Y-23	6.290	8.240	8.980	8.720	7.900	9.090	8.510	2.750	7.400	4.520	0.000	0.410	72.810	11,764	5,615
		Stallion Springs CSD Total	24.580	15.510	15.370	12.090	10.990	12.750	16.450	23.560	41.863	69.727	71.161	62.324	376.375	21,819	67,860
CCI WELL B	619.000	Calif Correctional Institute	0.000	0.000	0.000	42.100	30.300	44.400	41.700	41.000	59.500	67.900	70.300	53.100	450.300	27,917	79,384
CCI WELL 12	618.000	Calif Correctional Institute	94.800	96.580	89.380	49.900	46.000	46.200	40.000	53.900	46.600	14.500	44.900	51.900	674.660	101,069	59,937
		CCI Wells Total	94.800	96.580	89.380	92.000	76.300	90.600	81.700	94.900	106.100	82.400	115.200	105.000	1124.960	128,985	139,321
		Total Municipal Pumping	183	139	126	127	106	124	125	161	228	272	302	264	2,157	192,479	321,729
2006 CUMMINGS VALLEY WELLS																	
TURN OUT NUMBER	CUST. ACCT #	NAME	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	TOTAL	ft3/d Oct-Mar	ft3/d Apr-Sep
BVS WELL 1	240.000	BEAR VALLEY CSD	4.20	5.46	9.42	12.24	12.67	13.29	12.38	24.21	15.90	10.74	3.93	2.18	126.62	13,691	16,505
BVS WELL 2	241.000	BEAR VALLEY CSD	1.17	0.07	14.04	11.63	11.93	12.70	11.83	22.01	13.02	8.60	3.03	0.68	110.71	12,319	14,084
BVS WELL 3	400.000	BEAR VALLEY CSD	0.26	0.00	2.09	0.00	0.00	0.00	0.00	6.26	5.65	6.08	2.56	0.46	23.36	562	5,001
BVS WELL 4	401.000	BEAR VALLEY CSD	16.27	33.78	0.00	0.00	0.00	0.00	0.00	10.49	17.17	16.15	4.82	9.97	108.65	11,963	13,949
BVS Well 5	516.000	BEAR VALLEY CSD	43.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.53	66.35	89.70	79.23	315.42	10,423	64,700
		Bear Valley Wells Total	65.51	39.31	25.55	23.87	24.60	25.99	24.21	62.97	88.27	107.92	104.04	92.52	684.76	48,957	114,239
		Sup Sod	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0
		CV1	46.498	0.000	0.000	0.000	0.000	0.000	0.000	59.457	68.713	68.781	67.300	68.901	379.650	11,114	79,301
		LEISURE	3.440	9.640	11.990	4.550	4.370	3.520	5.460	25.140	2.100	3.940	5.550	0.000	79.700	8,965	10,043
		Y-23	4.150	8.580	9.200	8.860	8.330	9.240	8.580	9.020	2.010	3.570	0.000	0.000	71.540	11,559	5,518
		Stallion Springs CSD Total	54.088	18.220	21.190	13.410	12.700	12.760	14.040	93.617	72.823	76.291	72.850	68.901	530.890	31,638	94,861
CCI WELL B	619	Calif Correctional Institute	37.000	33.400	75.700	40.400	31.700	64.000	64.300	88.000	91.000	95.470	87.800	82.030	790.800	67,449	121,063
CCI WELL 12	618	Calif Correctional Institute	63.700	59.300	15.000	52.000	54.700	27.900	25.400	10.100	9.600	10.250	17.800	18.500	364.250	65,155	21,816
		CCI Wells Total	100.700	92.700	90.700	92.400	86.400	91.900	89.700	98.100	100.600	105.720	105.600	100.530	1155.050	132,604	142,879
		Total Municipal Pumping	220	150	137	130	124	131	128	255	262	290	282	262	2,371	213,199	351,980
2007 CUMMINGS VALLEY WELLS																	
TURN OUT NUMBER	CUST. ACCT #	NAME	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	TOTAL	ft3/d Oct-Mar	ft3/d Apr-Sep
BVS WELL 1	240	BEAR VALLEY CSD	1.61	12.22	10.96	12.82	4.55	10.50	9.52	10.13	4.75	8.31	7.61	6.36	99.34	12,586	11,111
BVS WELL 2	241	BEAR VALLEY CSD	0.06	2.64	0.15	1.74	0.00	0.00	5.56	28.75	4.94	8.39	7.28	3.51	63.02	1,097	13,908
BVS WELL 3	400	BEAR VALLEY CSD	0.00	0.91	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.76	421	0
BVS WELL 4	401	BEAR VALLEY CSD	3.70	19.00	16.36	18.66	7.77	17.14	18.49	25.88	8.47	19.07	19.54	12.33	186.41	19,750	24,703
BVS Well 5	516	BEAR VALLEY CSD	61.86	8.62	0.00	0.00	0.00	0.00	0.00	17.46	80.59	85.58	89.24	68.70	412.05	16,846	81,305
		Bear Valley Wells Total	67.23	43.39	28.32	33.22	12.32	27.64	33.57	82.22	98.75	121.35	123.67	90.90	762.58	50,699	131,028
		CV1	52.290	0.000	0.000	0.000	0.000	0.000	0.000	0.000	37.950	67.668	67.203	64.944	290.055	12,498	56,596
		CV2				0.000	0.000	0.000	0.000	18.267	11.154	3.643	0.000	0.000	33.064	0	7,870
		LEISURE	9.070	8.490	7.200	15.021	8.263	9.333	12.303	19.800	8.064	0.980	0.000	0.000	98.525	13,714	9,794
		Y-23	0.000	8.290	9.060	8.845	7.862	8.924	8.600	7.651	3.891	0.000	0.000	0.000	63.123	10,273	4,794
		Stallion Springs CSD Total	61.360	16.780	16.260	23.866	16.125	18.257	20.903	45.718	61.058	72.291	67.203	64.944	484.767	36,485	79,055
CCI WELL B	619	Calif Correctional Institute	94.600	75.400	48.200	36.500	20.000	26.900	34.700	35.400	52.100	54.500	58.100	40.800	577.200	72,086	65,602
CCI WELL 12	618	Calif Correctional Institute	4.800	17.800	41.200	44.200	59.120	64.500	60.400	63.300	52.400	52.100	47.200	55.500	562.520	55,360	78,765
		CCI Wells Total	99.400	93.200	89.400	80.700	79.120	91.400	95.100	98.700	104.500	106.600	105.300	96.300	1139.720	127,446	144,367
		Total Municipal Pumping	228	153	134	138	108	137	150	227	264	300	296	252	2,387	214,630	354,449

2008 CUMMINGS VALLEY WELLS																	
TURN OUT NUMBER	CUST. ACCT #	NAME	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	TOTAL	ft3/d Oct-Mar	ft3/d Apr-Sep
BVS WELL 1	240	BEAR VALLEY CSD	8.68	17.21	14.10	13.75	0.00	12.89	17.66	23.72	20.53	12.52	8.39	6.81	156.26	15,925	21,335
BVS WELL 2	241	BEAR VALLEY CSD	0.00	0.00	0.00	0.14	18.96	5.10	16.27	17.51	14.93	12.66	6.29	4.44	96.30	5,784	17,162
BVS WELL 3	400	BEAR VALLEY CSD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
BVS WELL 4	401	BEAR VALLEY CSD	12.48	23.22	16.21	14.32	0.00	14.36	20.01	30.52	30.24	31.45	28.01	21.69	242.51	19,262	38,542
BVS Well 5	516	BEAR VALLEY CSD	37.99	9.91	2.46	2.38	9.33	0.00	0.00	7.30	22.13	53.45	64.29	53.80	263.04	14,835	47,837
		Bear Valley Wells Total	59.15	50.34	32.77	30.59	28.29	32.35	53.94	79.05	87.83	110.08	106.98	86.74	758.11	55,807	124,877
		CV1	73.175	12.518	0.000	0.000	0.000	0.000	0.000	0.000	62.862	60.283	57.928	57.200	323.965	20,482	56,717
		CV2	0.000	14.435	0.000	16.855	16.951	20.122	25.152	27.178	15.898	7.720	10.262	4.227	158.802	16,340	21,527
		LEISURE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	8.802	12.282	0.000	0.000	0.000	21.084	0	5,019
		Y-23	0.000	4.430	0.000	0.000	0.000	0.000	3.439	11.969	4.431	0.000	0.000	0.000	24.269	1,059	4,722
		Stallion Springs CSD Total	73.175	31.383	0.000	16.855	16.951	20.122	28.591	47.949	95.473	68.003	68.190	61.427	528.120	37,880	87,985
CCI WELL B	619	Calif Correctional Institute	30.000	21.000	18.100	16.200	12.900	12.900	22.300	30.600	78.400	43.960	43.960	41.290	371.610	26,554	62,010
CCI WELL 12	618	Calif Correctional Institute	65.100	70.500	70.800	71.500	67.700	62.500	53.200	58.900	10.600	52.720	52.720	50.470	686.710	97,541	66,318
		CCI Wells Total	95.100	91.500	88.900	87.700	80.600	75.400	75.500	89.500	89.000	96.680	96.680	91.760	1058.320	124,095	128,328
		Total Municipal Pumping	227	173	122	135	126	128	158	216	272	275	272	240	2,345	217,782	341,190
2009 CUMMINGS VALLEY WELLS																	
TURN OUT NUMBER	CUST. ACCT #	NAME	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	TOTAL	ft3/d Oct-Mar	ft3/d Apr-Sep
BVS WELL 1	240	BEAR VALLEY CSD	7.42	5.26	12.61	7.10	2.87	10.71	12.23	7.49	7.88	14.33	4.89	4.98	97.77	10,987	12,330
BVS WELL 2	241	BEAR VALLEY CSD	3.86	1.62	1.35	4.76	6.34	0.95	3.01	13.35	5.79	12.97	1.73	0.21	55.94	4,513	8,822
BVS WELL 3	400	BEAR VALLEY CSD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
BVS WELL 4	401	BEAR VALLEY CSD	15.74	6.28	14.66	2.52	8.85	13.56	17.97	20.19	20.54	33.25	24.58	20.00	198.14	14,726	32,499
BVS WELL 5	516	BEAR VALLEY CSD	37.50	3.82	0.00	0.00	0.00	0.00	0.00	3.46	17.43	14.80	54.84	50.67	182.52	9,876	33,610
		Bear Valley Wells Total	64.52	16.98	28.62	14.38	18.06	25.22	33.21	44.49	51.64	75.35	86.04	75.86	534.37	40,101	87,260
		CV1	44.128	0.000	0.000	0.000	0.000	0.000	0.000	56.339	56.782	50.568	45.199	42.451	295.467	10,547	59,827
		CV2	3.981	7.821	9.731	11.611	0.000	0.000	4.031	15.822	0.713	4.662	0.000	0.000	58.372	7,922	6,005
		LEISURE	7.298	2.323	0.000	0.272	6.254	10.572	14.974	20.112	2.337	16.778	16.862	10.192	107.974	6,386	19,341
		Y-23	1.802	6.033	6.293	5.635	4.829	5.290	5.866	7.349	0.348	4.700	6.395	3.931	58.471	7,142	6,805
		Stallion Springs CSD Total	57.208	16.178	16.025	17.518	11.084	15.861	24.870	99.622	60.180	76.708	68.456	56.575	520.284	31,997	91,978
CCI WELL B	619	Calif Correctional Institute	31.350	17.000	17.800	30.060	16.290	11.868	53.374	37.910	16.751	40.133	96.435	3.133	372.105	29,725	58,970
CCI WELL 12	618	Calif Correctional Institute	38.320	53.000	53.700	66.600	35.403	55.440	13.157	45.720	62.432	46.289	16.972	53.917	540.950	72,292	56,768
		CCI Wells Total	69.670	70.000	71.500	96.660	51.693	67.308	66.531	83.630	79.183	86.422	113.407	57.050	913.055	102,018	115,737
		Total Municipal Pumping	191	103	116	129	81	108	125	228	191	238	268	189	1,968	174,117	294,976
2010 CUMMINGS VALLEY WELLS																	
TURN OUT NUMBER	CUST. ACCT #	NAME	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	TOTAL	ft3/d Oct-Mar	ft3/d Apr-Sep
BVS WELL 1	240	BEAR VALLEY CSD	5.58	0.20	0.00	3.09	7.23	7.62	8.88	9.20	19.86	13.14	11.41	5.96	92.17	5,669	16,293
BVS WELL 2	241	BEAR VALLEY CSD	0.00	2.38	2.34	0.00	3.00	0.00	0.00	0.00	5.44	8.95	0.67	0.40	23.18	1,845	3,680
BVS WELL 3	400	BEAR VALLEY CSD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
BVS WELL 4	401	BEAR VALLEY CSD	14.01	4.08	9.38	3.26	14.03	19.10	20.11	18.64	25.58	22.44	19.92	17.11	187.66	15,263	29,468
BVS WELL 5	516	BEAR VALLEY CSD	51.08	19.88	15.09	3.26	0.00	0.00	0.00	0.00	13.24	39.69	55.76	37.74	235.74	21,346	34,855
		Bear Valley Wells Total	70.67	26.54	26.81	9.61	24.26	26.72	28.99	27.84	64.12	84.22	87.76	61.21	538.75	44,124	84,297
		CV1	24.5823	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	34.5127	43.9240	40.6752	40.4642	184.1585	5,875	37,984
		CV2	7.8206	13.1192	0.0000	9.3033	8.2024	9.3977	8.7531	15.1220	9.3478	10.5360	4.5008	5.4112	101.5142	11,435	12,775
		LEISURE	5.9616	8.5634	0.0000	5.6919	5.0456	5.7993	5.8570	9.4157	6.2575	8.6174	16.2188	6.2704	83.6984	7,424	12,529
		Y-23	2.2584	3.4161	0.0000	2.2060	1.9726	2.2468	2.3081	3.6655	2.4306	3.2521	5.9097	2.6333	32.2992	2,892	4,808
		Stallion Springs CSD Total	40.623	25.099	0.000	17.201	15.221	17.444	16.918	28.203	52.549	66.330	67.304	54.779	401.6703	27,627	68,097
CCI Well B	619	Calif. Correctional Inst.	4.1321	6.8296	7.5105	79.5200	63.4200	81.3340	80.5949	84.6024	87.0879	91.6048	93.0470	85.3818	765.0650	58,019	124,329
CCI Well 12	618	Calif. Correctional Inst.	32.0600	0.6290	0.4396	0.1030	0.0720	0.0000	0.0000	0.0000	0.1760	0.0270	0.0750	0.0850	33.6666	7,960	86
		CCI Wells Total	36.1921	7.4586	7.9501	79.6230	63.4920	81.3340	80.5949	84.6024	87.2639	91.6318	93.1220	85.4668	798.7316	65,979	124,415
		Total Municipal Pumping	147	59	35	106	103	125	127	141	204	242	248	201	1,739	137,730	276,809

2011 CUMMINGS VALLEY WELLS																	
TURN OUT NUMBER	CUST. ACCT #	NAME	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	TOTAL	ft3/d Oct-Mar	ft3/d Apr-Sep
BVS WELL 1	240	BEAR VALLEY CSD	5.01	3.07	1.01	1.20	0.00	0.00	0.16	4.56	4.05	12.02	17.92	15.91	64.91	2,459	13,001
BVS WELL 2	241	BEAR VALLEY CSD	2.26	0.00	0.00	0.00	0.00	0.00	0.00	8.70	18.76	6.16	5.06	1.69	42.63	540	9,609
BVS WELL 3	400	BEAR VALLEY CSD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
BVS WELL 4	401	BEAR VALLEY CSD	10.33	4.65	1.55	1.62	0.17	0.93	1.05	12.54	29.88	24.45	28.76	20.03	135.96	4,601	27,781
BVS WELL 5	516	BEAR VALLEY CSD	4.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.15	18.49	11.10	65.21	1,068	14,458
BVS WELL 6	657	BEAR VALLEY CSD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.03	17.85	22.88	0	5,446
		Bear Valley Wells Total	22.07	7.72	2.56	2.82	0.17	0.93	1.21	25.80	52.69	73.78	75.26	66.58	331.59	8,669	70,296
		CV1	11.287	0.000	0.000	0.000	0.000	0.000	0.000	0.000	32.822	56.851	57.123	57.719	215.802	2,698	48,681
		CV2	11.464	10.560	0.733	0.000	12.005	14.160	17.556	24.081	26.733	10.859	2.530	0.389	131.072	11,693	19,554
		LEISURE	8.920	6.661	12.957	13.995	1.931	2.238	2.435	11.232	17.159	6.947	1.589	0.247	86.309	11,162	9,428
		Y-23	3.492	2.372	4.933	5.353	0.753	0.895	1.058	4.214	6.542	2.815	0.650	0.101	33.178	4,254	3,661
		Stallion Springs CSD Total	35.163	19.593	18.622	19.349	14.688	17.293	21.050	39.527	83.257	77.472	61.892	58.456	466.362	29,807	81,325
CCI Well B	619	Calif. Correctional Inst.	88.926	75.161	86.615	81.647	75.336	77.747	81.531	84.345	92.212	95.352	92.651	86.594	1018.117	116,024	126,796
CCI Well 12	618	Calif. Correctional Inst.	0.052	0.016	0.033	0.022	0.072	0.000	0.025	0.036	0.000	0.015	0.019	0.013	0.303	47	26
		CCI Wells Total	88.978	75.177	86.648	81.669	75.408	77.747	81.556	84.381	92.212	95.367	92.670	86.607	1018.420	116,071	126,822
		Total Municipal Pumping	146	102	108	104	90	96	104	150	228	247	230	212	1,816	154,547	278,442
2012 CUMMINGS VALLEY WELLS																	
TURN OUT NUMBER	CUST. ACCT #	NAME	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	TOTAL	ft3/d Oct-Mar	ft3/d Apr-Sep
BVS WELL 1	240	BEAR VALLEY CSD	7.68	0.64	0.51	1.94	1.71	2.31	2.76	24.06	19.56	18.29	20.79	19.69	119.94	3,535	25,029
BVS WELL 2	241	BEAR VALLEY CSD	0.56	0.88	0.04	0.00	0.00	0.00	0.00	0.00	0.52	0.00	0.00	0.35	2.35	354	207
BVS WELL 3	400	BEAR VALLEY CSD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
BVS WELL 4	401	BEAR VALLEY CSD	14.16	2.87	1.09	2.07	1.77	2.46	4.06	31.02	24.76	27.62	30.72	28.11	170.71	5,837	34,822
BVS WELL 5	516	BEAR VALLEY CSD	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.12	6.60	0.00	8.62	31.91	136	7,460
BVS WELL 6	657	BEAR VALLEY CSD	13.46	2.08	0.00	0.00	0.00	0.00	0.00	9.87	22.11	36.91	49.80	38.74	172.97	3,714	37,474
		Bear Valley Wells Total	36.43	6.47	1.64	4.01	3.48	4.77	6.82	64.95	83.07	89.42	101.31	95.51	497.88	13,576	104,992
		CV1	10.0683	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	19.1447	57.0401	57.7591	58.6350	56.9400	259.5872	2,406	59,394
		CV2	14.9131	10.2814	8.7382	10.8475	9.8855	10.3645	13.2920	23.7608	17.4935	2.7638	1.4053	0.0055	123.7512	15,543	13,978
		LEISURE	9.2588	6.1151	5.3991	8.1663	6.3201	4.4039	2.2059	12.0089	8.9170	1.8757	0.5334	0.0055	65.2096	9,480	6,081
		Y-23	3.4686	2.4564	2.0524	2.3499	2.3021	0.3926	0.8397	4.5229	4.1956	0.7179	0.2089	0.0000	23.5070	3,112	2,496
		Stallion Springs CSD Total	37.709	18.853	16.190	21.364	18.508	15.161	16.338	59.437	87.646	63.117	60.783	56.951	472.055	30,542	81,948
CCI Well A	620	Calif. Correctional Inst.				0.0174	0.0173	0.0192	0.0184	0.0216	0.0176	0.0246	0.0286	0.0257	0.1904	13	32
CCI Well B	619	Calif. Correctional Inst.	88.0208	81.5032	79.3245	58.1118	50.7166	56.3904	54.9819	61.5179	63.3283	66.4613	62.7514	60.4531	783.5612	98,967	87,952
CCI Well 12	618	Calif. Correctional Inst.	0.0140	0.0110	0.0200	0.0130	0.0170	0.0090	0.0280	0.0130	0.0150	0.0460	0.0170	0.0160	0.2190	20	32
		CCI Wells Total	88.0348	81.5142	79.3445	58.1422	50.7509	56.4186	55.0283	61.5525	63.3609	66.5319	62.7970	60.4948	783.9706	99,000	88,016
		Total Municipal Pumping	162	107	97	84	73	76	78	186	234	219	225	213	1,754	143,118	274,956
2013 CUMMINGS VALLEY WELLS																	
TURN OUT NUMBER	CUST. ACCT #	NAME	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	TOTAL	ft3/d Oct-Mar	ft3/d Apr-Sep
BVS WELL 1	240	BEAR VALLEY CSD	12.33	10.14	5.03	10.39	5.08	6.64	12.32	20.72	18.00	12.26	11.73	11.73	136.37	11,857	20,652
BVS WELL 2	241	BEAR VALLEY CSD	0.00	0.00	0.00	0.63	0.00	0.00	0.00	0.00	0.33	3.57	0.43	7.53	12.49	151	2,823
BVS WELL 3	400	BEAR VALLEY CSD INACT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
BVS WELL 4	401	BEAR VALLEY CSD	16.18	15.10	8.54	7.49	5.19	6.91	15.31	25.96	23.79	22.38	22.62	19.86	189.33	14,200	30,925
BVS WELL 5	516	BEAR VALLEY CSD	26.71	7.43	0.00	1.04	0.00	0.00	0.00	14.09	44.76	45.40	47.04	44.30	230.77	8,408	46,557
BVS WELL 6	657	BEAR VALLEY CSD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.96	22.22	24.35	15.67	63.20	0	15,044
		Bear Valley Wells Total	55.22	32.67	13.57	19.55	10.27	13.55	27.63	60.77	87.84	105.83	106.17	99.09	632.16	34,616	116,001
		CV1	59.8310	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	33.4908	51.6492	48.9077	50.9695	51.8705	296.7186	14,300	56,387
		CV2	11.5594	10.2814	8.7382	8.5024	7.0340	1.5277	5.9631	27.0140	3.3519	0.0000	0.9366	0.2153	85.1239	11,387	8,922
		LEISURE	7.6446	6.1151	5.3991	5.3294	4.3609	11.5344	14.9093	12.3400	4.9783	11.1530	8.9569	0.1280	92.8489	9,652	12,488
		Y-23	2.7507	2.4564	2.0524	1.9955	1.6551	4.2838	5.4609	4.5788	1.8671	4.3513	3.5279	0.0530	35.0331	3,632	4,722
		Stallion Springs CSD Total	81.786	18.853	16.190	15.827	13.050	17.346	26.333	77.424	61.847	64.412	64.391	52.267	509.7245	38,971	82,520
CCI Well A	620	Calif. Correctional Inst.	0.0144	0.0031	0.0063	0.0001	0.0021	0.0021	0.0023	0.0041	0.0125	0.0247	0.0179	0.0091	0.099	7	17
CCI Well B	619	Calif. Correctional Inst.	74.0006	84.7743	71.1254	87.4746	75.0961	84.3631	88.3767	94.7562	83.5438	80.9509	87.8581	96.0787	1008.399	113,969	126,530
CCI Well 12	618	Calif. Correctional Inst.	0.0090	0.0060	0.0130	0.0090	0.0080	0.0190	0.0260	0.0070	0.0060	0.0060	0.0160	0.0120	0.137	15	17
		CCI Wells Total	74.0240	84.7834	71.1447	87.4837	75.1062	84.3842	88.4050	94.7673	83.5623	80.9816	87.8920	96.0998	1008.634	113,991	126,564
		Total Municipal Pumping	211	136	101	123	98	115									



APPENDIX L

DOMESTIC GROUNDWATER PUMPING DEMAND ANALYSIS

FID	APN_LABEL	OWNER	IMP_VAL	DRILL_DATE	State_No	SHAPE_A CRE	AFY/Acre	Water Demand (AF)	Check on Water Demand	T/R/S
3	222-233-25	GILLILAND MARJORIE L TR	51344	6/29/1996	32S32E18K001M	0.00	0.40	0.00		32S/32E-18
2	222-233-19	THOMPSON SOLVEIG A TRUST	110844	5/17/1991	32S32E19J001M	1.15	0.40	0.46		32S/32E-19
33	448-213-10	HASKELL MONICA E	107187		32S31E23R004M	1.75	0.40	0.70		32S/31E-23
35	448-223-02	MC COOL WILLIAM F	205821		32S31E23N001M	2.07	0.40	0.83		32S/31E-23
30	448-211-04	CARFRAE JOHN H & JANICE L	110000		32S31E25Q001M	2.13	0.40	0.85		32S/31E-25
4	222-450-09	JORIAN G JAMES & RUTH E	188000		32S32E20G004M	2.16	0.40	0.86		32S/32E-20
29	448-203-02	SANDOVAL THOMAS W & JOY J	290000		32S31E23J001M	2.22	0.40	0.89		32S/31E-23
7	222-450-12	BARNHARD BRUCE G & KRISTI L	244800	9/16/1983	32S32E20G005M	2.31	0.40	0.92		32S/32E-20
32	448-213-09	HAVLIK FAMILY TRUST	76337		32S31E23R002M	2.31	0.40	0.92		32S/31E-23
5	222-450-10	BELLVILLE JASON R & TERRIE E	239700	10/25/2005	32S32E20G003M	2.33	0.40	0.93		32S/32E-20
6	222-450-11	OSMANSON FMLY TR	210000	8/5/1996	32S32E20G006M	2.33	0.40	0.93		32S/32E-20
11	222-470-23	GONZALEZ NOEL G & SONDR A G	258000	8/19/1964	32S32E20P001M	2.50	0.40	1.00		32S/32E-20
31	448-213-08	BARTNETT FAMILY TRUST	94116		32S31E23R001M	2.62	0.40	1.05		32S/31E-23
34	448-213-13	PUENTE JAIME F	70013		32S31E23R003M	2.65	0.40	1.06		32S/31E-23
28	448-191-01	PATTERSON DAVID & CYNTHIA J	62379		32S31E23L001M	3.57	0.40	1.43		32S/31E-23
8	222-450-22	BELGARDE MICHAEL & MARION TR	337243		32S32E20H001M	3.61	0.40	1.44	14.28	32S/32E-20
					Total 2.5 Acre Zone	35.71	0.40	14.28		
10	222-470-15	BALLIET KURT P	43731	2/1/1969	32S32E20P002M	10.01	0.20	2.00		32S/32E-20
0	222-233-02	MOESSNER FARM TRUST	168237	9/15/1971	32S32E18H001M	10.87	0.20	2.17		32S/32E-18
24	448-150-09	GRIMSHAW LARRY	70472		32S31E24H001M	16.10	0.20	3.22		32S/31E-24
18	448-051-14	LARSEN FAMILY TRUST	290700		32S31E26F001M	17.21	0.20	3.44		32S/31E-26
9	222-450-27	JONES GARY ODELL & COLLINS LORENE AWYN	90822	10/21/2005	32S32E20G001M	17.26	0.20	3.45	14.29	32S/32E-20
					Total 10 Acre Zone	71.45	0.20	14.29		
36	448-160-05	MARANTOS GEORGE J & MARGARET E	8959		32S31E24K001M	18.24	0.15	2.74		32S/31E-24
16	448-051-07	KOENIG RICHARD & PAULETTE	323435		32S31E26M001M	18.25	0.15	2.74		32S/31E-26
23	448-110-07	FRANCEY LISA KARLSTEIN	65466		32S31E34A002M	18.63	0.15	2.79		32S/31E-34
22	448-100-10	JELSVIK TRUST	110499		32S31E27J001M	18.87	0.15	2.83		32S/31E-27
13	376-012-31	PETERSON RECTOR J	159296		32S32E31M001M	18.97	0.15	2.85		32S/32E-31
17	448-051-08	LOWETZ SHELLIE RAE	243026		32S31E26M002M	18.97	0.15	2.85		32S/31E-26
37	448-051-05	SHERWOOD TODD A & KELLY J	127000		32S31E27E001M	19.00	0.15	2.85		32S/31E-27
25	448-150-18	SOUZA ROBERT J & PATRICIA J	490000		32S31E23E001M	19.07	0.15	2.86		32S/31E-23
15	448-051-04	BRUST JOEL 2006 TRUST	28254		32S31E26D001M	19.14	0.15	2.87		32S/31E-26
19	448-051-16	BRYANT CLINTON L & SIMONNE A	238208		32S31E26L002M	19.21	0.15	2.88		32S/31E-26
26	448-160-04	FERRARI ANDRIETTE	182046		32S31E24L001M	19.29	0.15	2.89		32S/31E-24
12	376-012-30	WOLFE LYNN E TRUST	82313		32S32E31N002M	19.34	0.15	2.90		32S/32E-31
27	448-160-07	LEWIS GEORGE T	176547		32S31E24R002M	19.43	0.15	2.91		32S/31E-24
14	376-012-36	GRIFFITH MARGARET TR	273322		32S32E31N001M	19.75	0.15	2.96		32S/32E-31
1	222-233-16	LEE JOHN D & SUSAN B	10000	2/15/1986	32S32E19G001M	20.03	0.15	3.00		32S/32E-19
20	448-051-68	SUPERIOR SOD I L P	94450		32S31E25A002M	20.04	0.15	3.01		32S/31E-25
21	448-100-07	BECKETT FAMILY TRUST	209000		32S31E27H001M	20.35	0.15	3.05		32S/31E-27
38	376-013-06	KEEHMER RICHARD & JANISE TRUST	147799		32S32E32Q001M	25.75	0.15	3.86	52.85	32S/32E-32
					Total 20 Acre Zone	352.33	0.15	52.85		
39	376-013-07	SCHULTZ ROBERT & MARCIA FAMILY TR	41908		32S32E32R001M	41.79	0.10	4.18	4.18	32S/32E-32
					Total 20 Acre Zone + excess land	41.79	0.10	4.18		

Grand Total 501.28 85.60 85.60

T/R-S	Water Demand (AFY)
32S31E-23	9.74
32S31E-24	11.76
32S31E-25	3.86
32S31E-26	14.78
32S31E-27	8.73
32S31E-34	2.79
32S32E-18	2.17
32S32E-19	3.46
32S32E-20	11.55
32S32E-31	8.71
32S32E-32	8.04
Total	85.60

FID	APN_LABEL	OWNER	LAND_VAL	IMP_VAL	SHAPE_ACRE	AFY/Acre	Water Demand (AF)		T/R-S
10	222-470-05	GONZALES RUBEN M & GINA M	29123	122318	2.50	0.40	1.00		32S/32E-20
11	222-470-06	SICILIANI ROBERT W & KATHLEEN R	31344	124336	2.50	0.40	1.00		32S/32E-20
12	222-470-07	KOHKONEN TERRY E & SUSAN K	29399	129367	2.50	0.40	1.00		32S/32E-20
15	222-470-22	SICILIANI ROBERT W	85000	192000	2.50	0.40	1.00		32S/32E-20
20	222-480-13	KUENSTLE PHILLIP A & MOIRA M	36703	226372	2.50	0.40	1.00		32S/32E-20
3	222-450-20	NATL CHARTER LIFE INS CO	62271	326924	3.59	0.40	1.44	6.44	32S/32E-20
			Total 2.5 Acre Zone		16.09	0.40	6.44		
14	222-470-19	REED TERRY L & MARY LOU	29266	239704	5.00	0.30	1.50		32S/32E-20
17	222-470-27	CERVANTES GREGORY & SONIA	42912	181783	5.00	0.30	1.50		32S/32E-20
16	222-470-24	POSEY TIMOTHY & DESIREE	62893	334386	5.01	0.30	1.50		32S/32E-20
19	222-480-09	MC DANIEL DOUGLAS KRUG	47981	275920	7.50	0.30	2.25	6.75	32S/32E-20
			Total 5 Acre Zone		22.51	0.30	6.75		
18	222-480-03	WRIGHT ROBERT O & CHERYL L	6939	225667	10.00	0.20	2.00		32S/32E-20
9	222-460-10	GONZALES GEORGE G & MC COLLOUGH S	114161	874990	14.46	0.20	2.89		32S/32E-20
24	376-021-22	CUMMINGS CHRIS & KENDRA	140601	337191	15.01	0.20	3.00		12N/16W-33
30	376-022-08	CARHART FAMILY TRUST	132432	134639	15.33	0.20	3.07		12N/16W-34
49	448-051-19	LOZAR HARVY & SHARON TRUST	100471	149666	17.98	0.20	3.60	14.56	32S/31E-26
			Total 10 Acre Zone		72.78	0.20	14.56		
57	448-150-08	KIM EUN HEE & SOOK HEE	80000	237000	18.04	0.15	2.71		32S/31E-24
2	222-450-18	CAMPBELL PATRICK S & JANET ELAINE	63988	179272	18.16	0.15	2.72		32S/32E-20
1	222-233-13	AMATO Y LLC	104040	171666	18.21	0.15	2.73		32S/32E-19
64	376-040-01	SAKAI KATSUHISA & SUNOKO	99286	74203	18.29	0.15	2.74		12N/16W-34
60	448-160-01	WILSON MARION S & JOANN L	90659	218988	18.36	0.15	2.75		32S/31E-24
29	376-022-07	GUNNELS FAMILY TRUST	72724	209176	18.38	0.15	2.76		12N/16W-34
23	376-012-44	SANTIAGO ALDRIAN & MICHELE	36258	228117	18.56	0.15	2.78		32S/32E-19
62	448-160-10	HUDSON LEONARD C & TEDA M	65000	114000	18.61	0.15	2.79		32S/31E-24
7	222-460-05	BENZ PAUL M & JOAN N	175000	95000	18.73	0.15	2.81		32S/32E-20
63	448-160-11	MATZINGER SYBIL A	91729	46623	18.78	0.15	2.82		32S/31E-24
34	376-070-02	STEWART FAMILY LIVING TRUST	115339	254297	18.89	0.15	2.83		12N/16W-34
46	448-051-09	HAHN MICHAEL & GLORIA	90061	55624	19.04	0.15	2.86		32S/31E-26
31	376-040-02	CAMPBELL FAMILY TRUST	116426	224081	19.14	0.15	2.87		12N/16W-34
48	448-051-17	FISHER GIRARD & LINDA	60000	227000	19.20	0.15	2.88		32S/31E-26
50	448-051-33	SUPERIOR SOD I L P	99846	500472	19.29	0.15	2.89		32S/31E-25
47	448-051-12	FIGGE LESLIE A	144230	227522	19.30	0.15	2.89		32S/31E-26
41	376-130-04	GIBEAUT FRANK A & BARBARA JO	161881	435566	19.36	0.15	2.90		12N/16W-32
6	222-460-04	RUDDLE MAC R & ROZELVA M	88251	154766	19.42	0.15	2.91		32S/32E-19
4	222-460-01	BRISCOE CHERI DEANE TR	90105	104754	19.43	0.15	2.91		32S/32E-20
32	376-040-03	DORNER REVOCABLE TRUST	134000	424000	19.47	0.15	2.92		12N/16W-34
54	448-110-06	SHUE CHIA CHI TR	54636	253810	19.52	0.15	2.93		32S/31E-34
59	448-150-13	DUGAN NILES L JR & WANDA J	80935	33719	19.53	0.15	2.93		32S/31E-34
51	448-052-13	MANN JAMES R III & KARLY S	71975	124853	19.54	0.15	2.93		32S/31E-36
52	448-052-14	HUERTA JAMES & BRENDA L	85616	225142	19.54	0.15	2.93		32S/31E-36
56	448-150-07	PARKER FAMILY TRUST	117611	335193	19.60	0.15	2.94		32S/31E-24
61	448-160-02	PALANCE ELAINE ROGERS TR	71335	207702	19.60	0.15	2.94		32S/31E-24
58	448-150-12	KONOSKY GRACE L	76380	140630	19.62	0.15	2.94		32S/31E-24
53	448-110-01	PFISTER MICHAEL J ET AL	9646	32182	19.75	0.15	2.96		32S/31E-27
8	222-460-06	ERICKSON FMLY TR	90000	335000	19.77	0.15	2.97		32S/32E-20
5	222-460-03	SELF FAMILY REV TR	145000	240000	19.90	0.15	2.98		32S/32E-20
13	222-470-10	RAINWATER ARTHUR A SEPARATE PROPE	117611	264628	20.05	0.15	3.01		32S/32E-20
42	376-130-06	SWEENEY DANIEL S & SHERRY L JT LIV TR	146447	536545	20.05	0.15	3.01		12N/16W-32
40	376-130-02	EATON LYNN	129077	212341	20.07	0.15	3.01		12N/16W-32
55	448-110-08	JPMORGAN CHASE BK	153000	243780	20.18	0.15	3.03		32S/31E-27
21	376-012-32	CRUZ RAYMOND TR	152894	29399	20.24	0.15	3.04		32S/32E-31
25	376-022-01	WOODS DOROTHY A TRUST	18336	71928	20.85	0.15	3.13		12N/16W-34
39	376-120-07	OWENS DEXTER L & MICHELLE	88641	158196	21.04	0.15	3.16		12N/16W-32
43	376-160-01	YOUNGBLOOD FAMILY TR	159747	171017	21.57	0.15	3.24		12N/16W-34
22	376-012-33	MANN REV LIV TRUST	81066	90082	21.62	0.15	3.24		32S/32E-31
26	376-022-03	BRANNON JACKIE M	110213	25927	21.66	0.15	3.25		12N/16W-34
33	376-050-01	CRANDALL FAMILY TRUST	95902	334370	22.43	0.15	3.36		12N/16W-34
27	376-022-05	PAVLIK PATRICIA A TRUST	183016	152178	23.04	0.15	3.46		12N/16W-34
38	376-120-06	MEMOLI RAYMOND C & MARIE A	142818	345148	23.99	0.15	3.60		12N/16W-32
45	448-040-04	BRUST JOEL 2006 TRUST	17324	95970	27.46	0.15	4.12		32S/31E-22
36	376-110-23	APHESSETCHE XAVIER	31371	143267	29.77	0.15	4.47		12N/16W-32
35	376-110-22	SHAW LINDAY E FMLY TR	75071	117990	32.33	0.15	4.85	140.91	12N/16W-32
			Total 20 Acre Zon		939.38	0.15	140.91		
44	401-030-04	DAUBENBERGER MARY REV TR AGREEME	43246	253746	37.50	0.10	3.75		11N/16W-6
0	222-233-08	KEHOE ARTHUR F JR TR	44902	189225	38.09	0.10	3.81		32S/32E-18
28	376-022-06	KIRBY W J TR	287204	211308	44.57	0.10	4.46		12N/16W-34
37	376-110-28	EATON CHARLES & DEBRA FMLY TR	393895	420470	99.71	0.10	9.97	21.99	12N/16W-32
			Total 20 Acre Zone + exc		219.87	0.10	21.99		

Grand Total 1,270.63 190.64 190.64

T/R-S	Water Demand (AFY)
32S31E-22	4.12
32S31E-24	19.89
32S31E-25	2.89
32S31E-26	12.23
32S31E-27	5.99
32S32E-32	
32S31E-34	5.86
32S31E-36	5.86
32S32E-18	3.81
32S32E-19	8.43
32S32E-20	35.49
32S32E-31	6.28
11N/16W-6	3.75
12N/16W-32	34.96
12N/16W-33	3.00
12N/16W-34	38.08

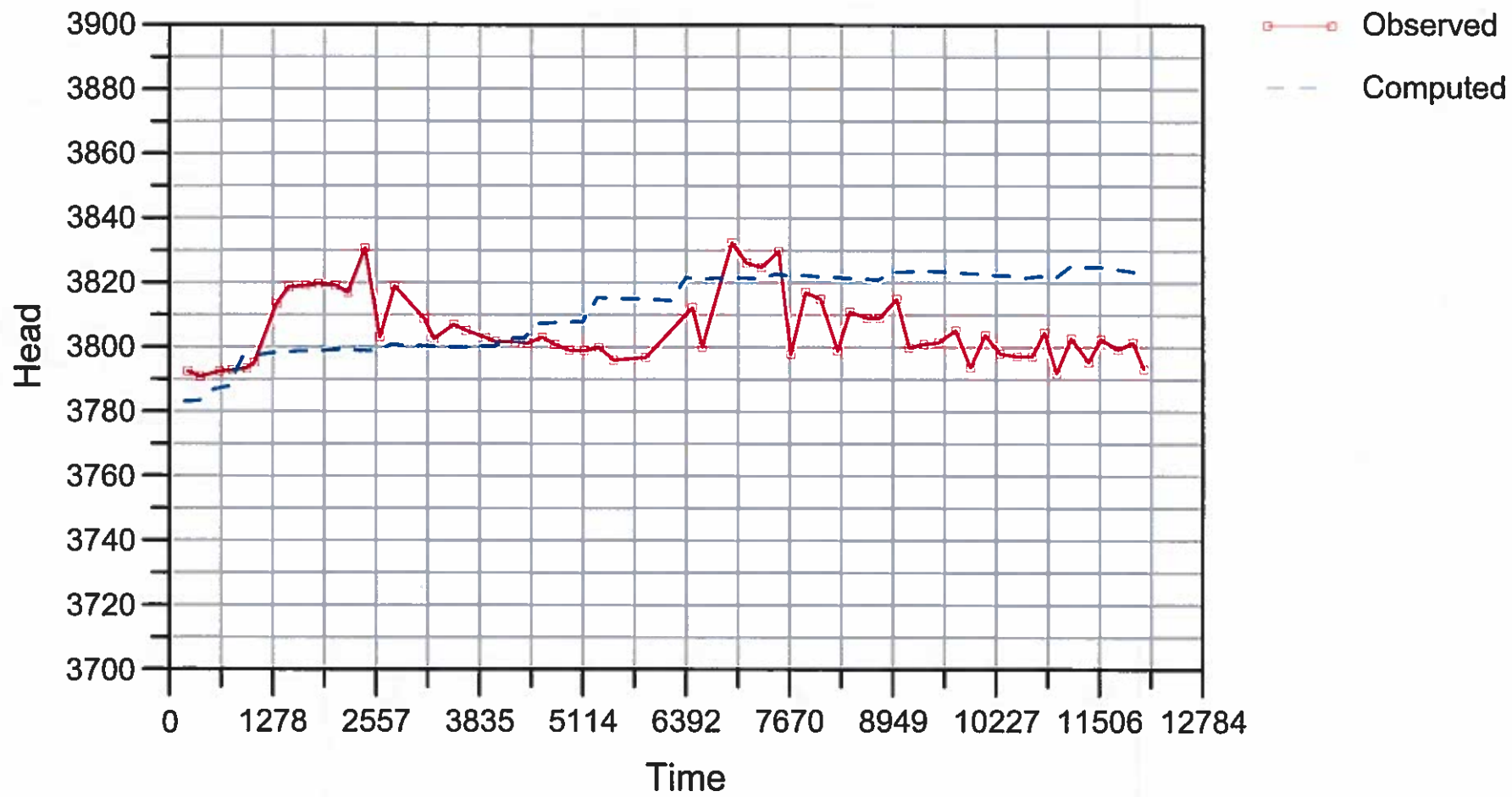
Total 190.64



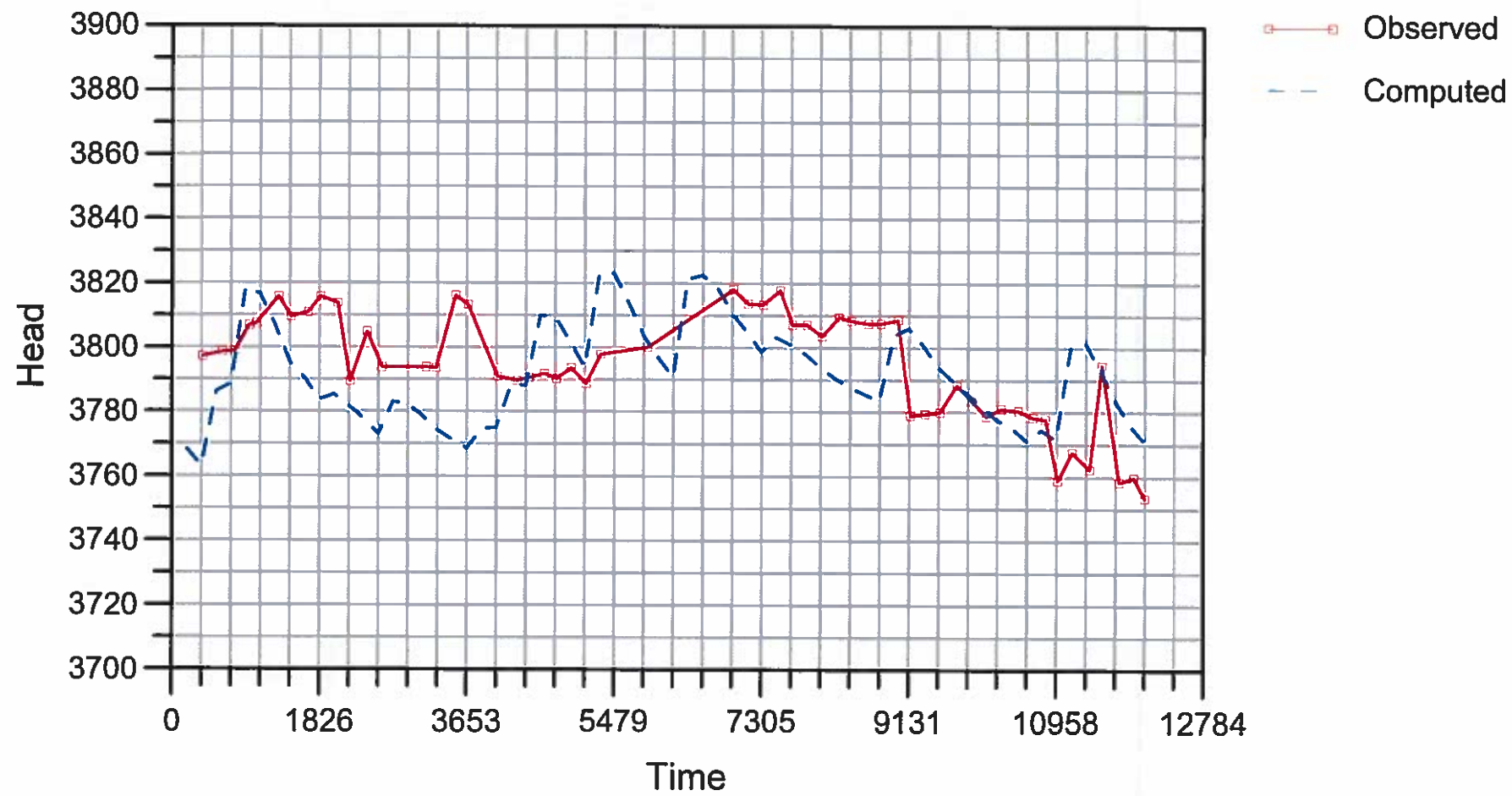
APPENDIX M

MODEL CALIBRATION HYDROGRAPHS

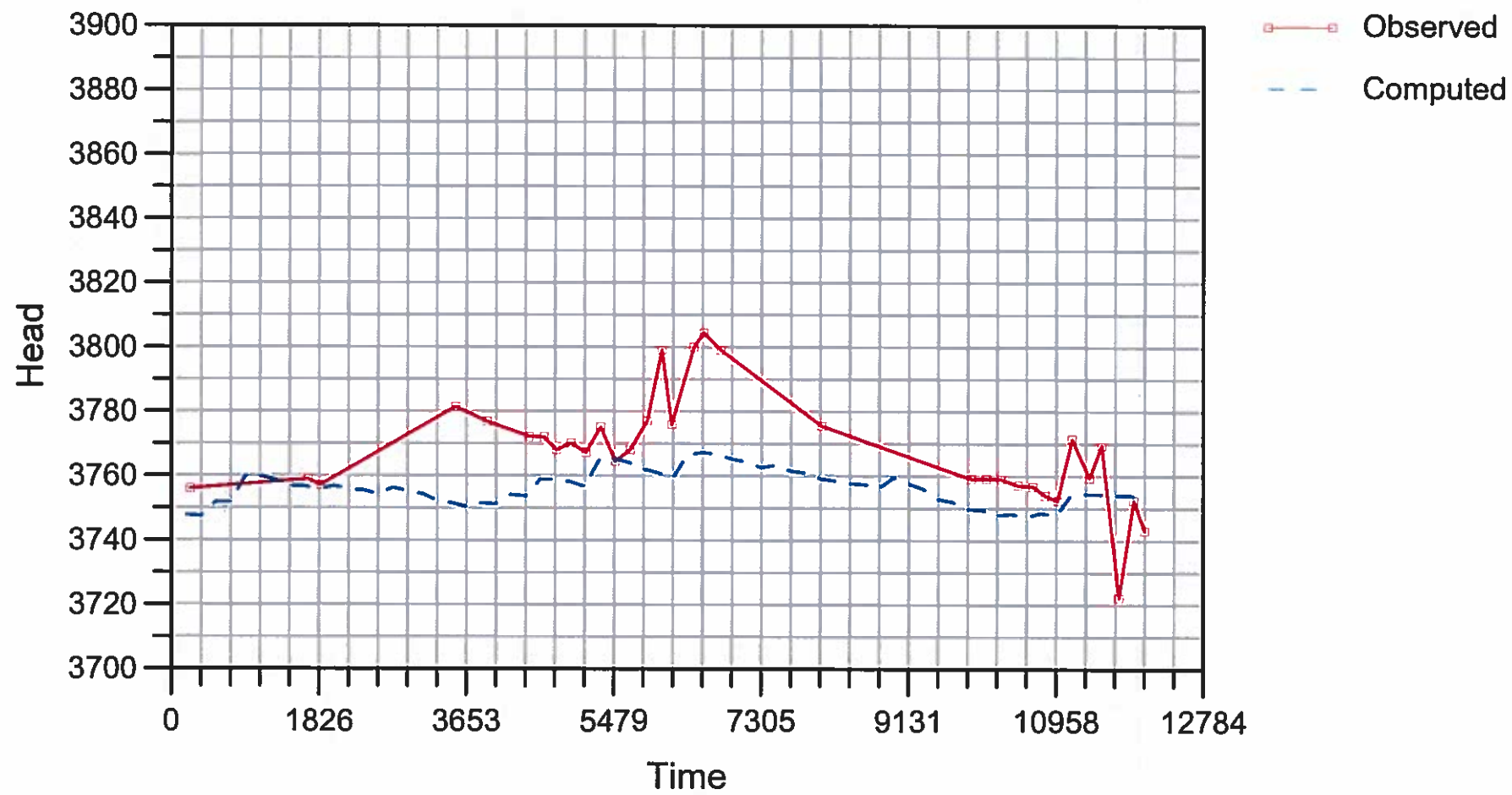
32S/31E-23Q1



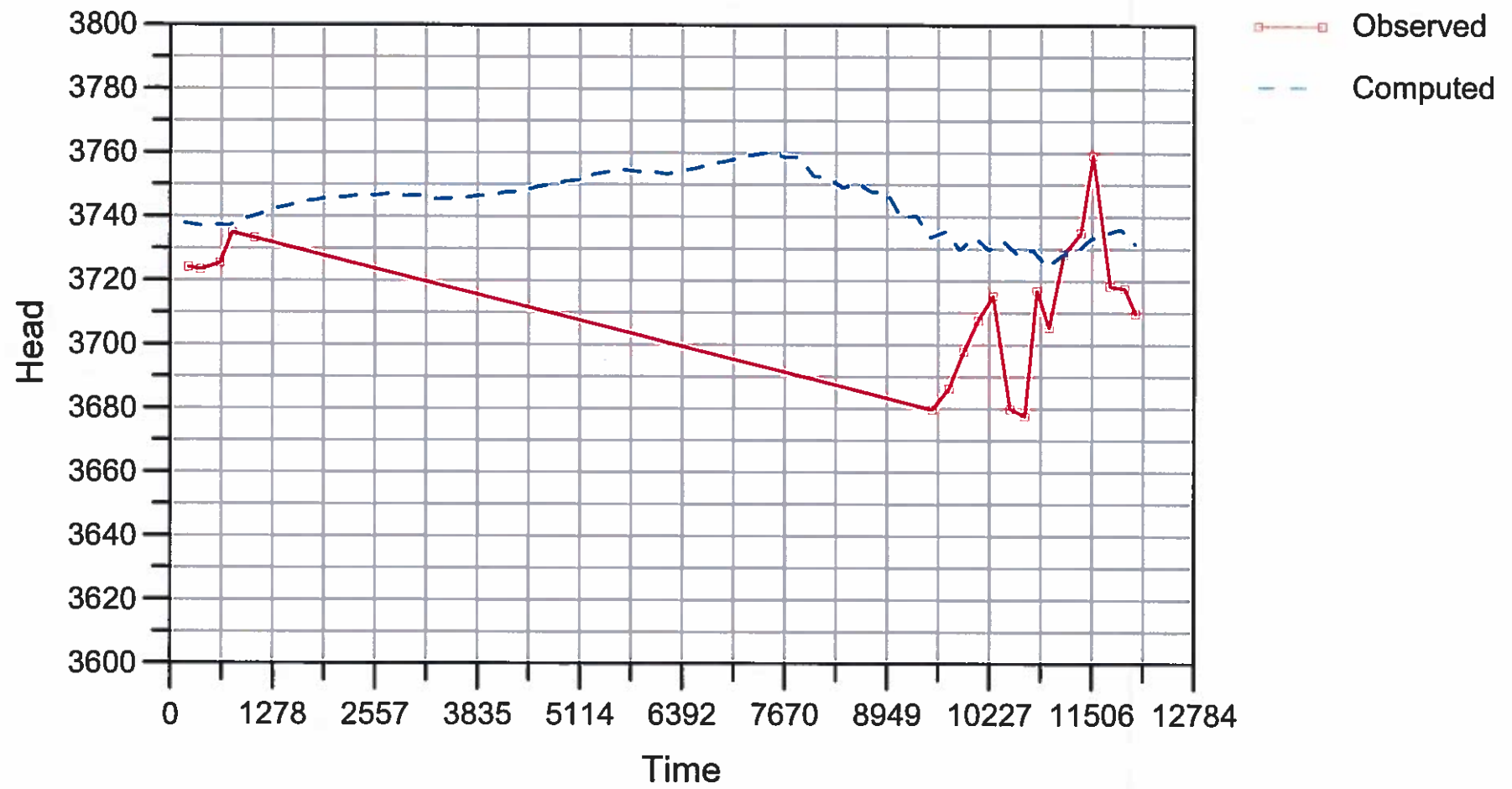
32S/31E-23R1



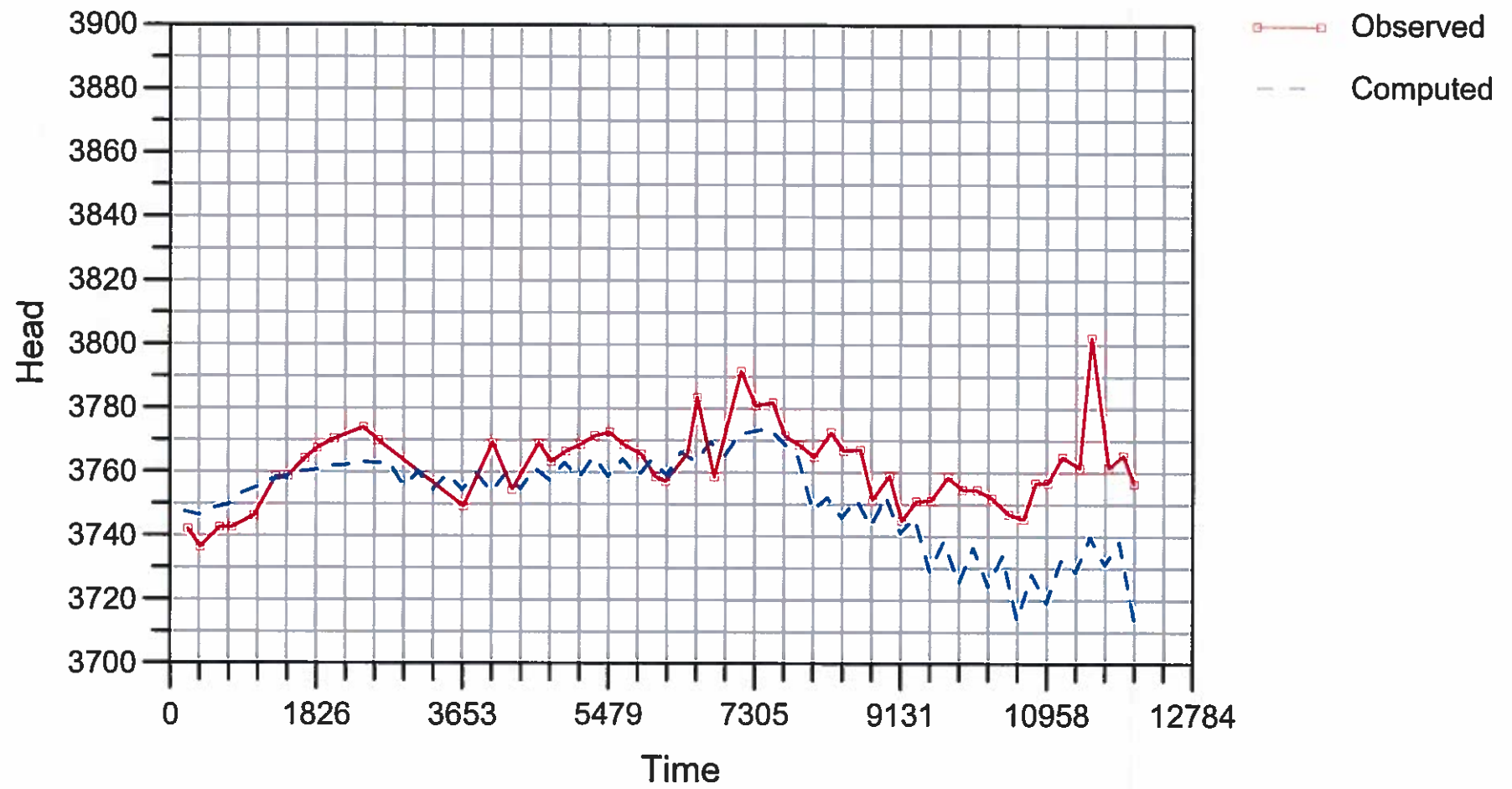
32S/31E-24J1



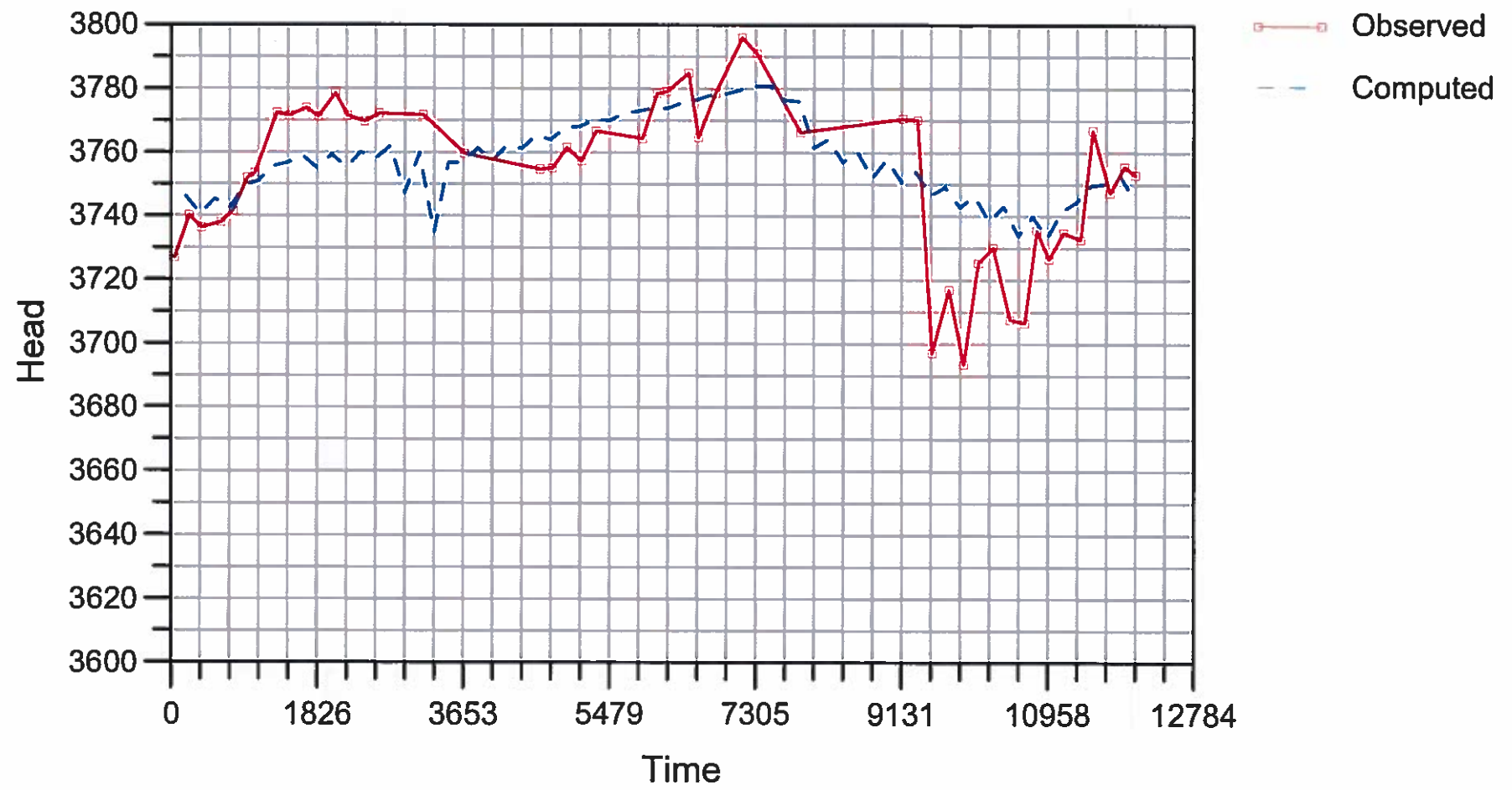
32S/31E-25A1



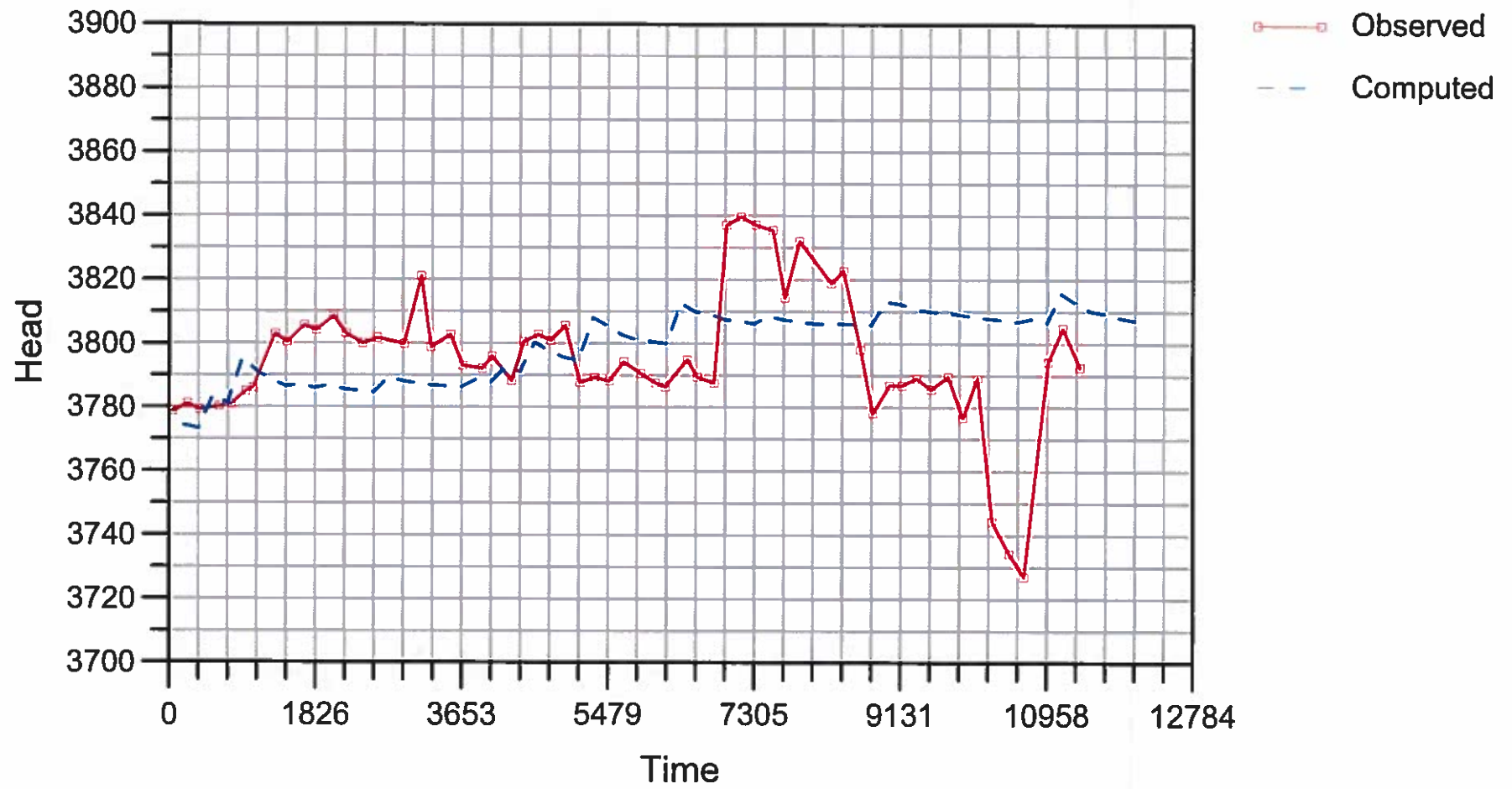
32S/31E-25P1



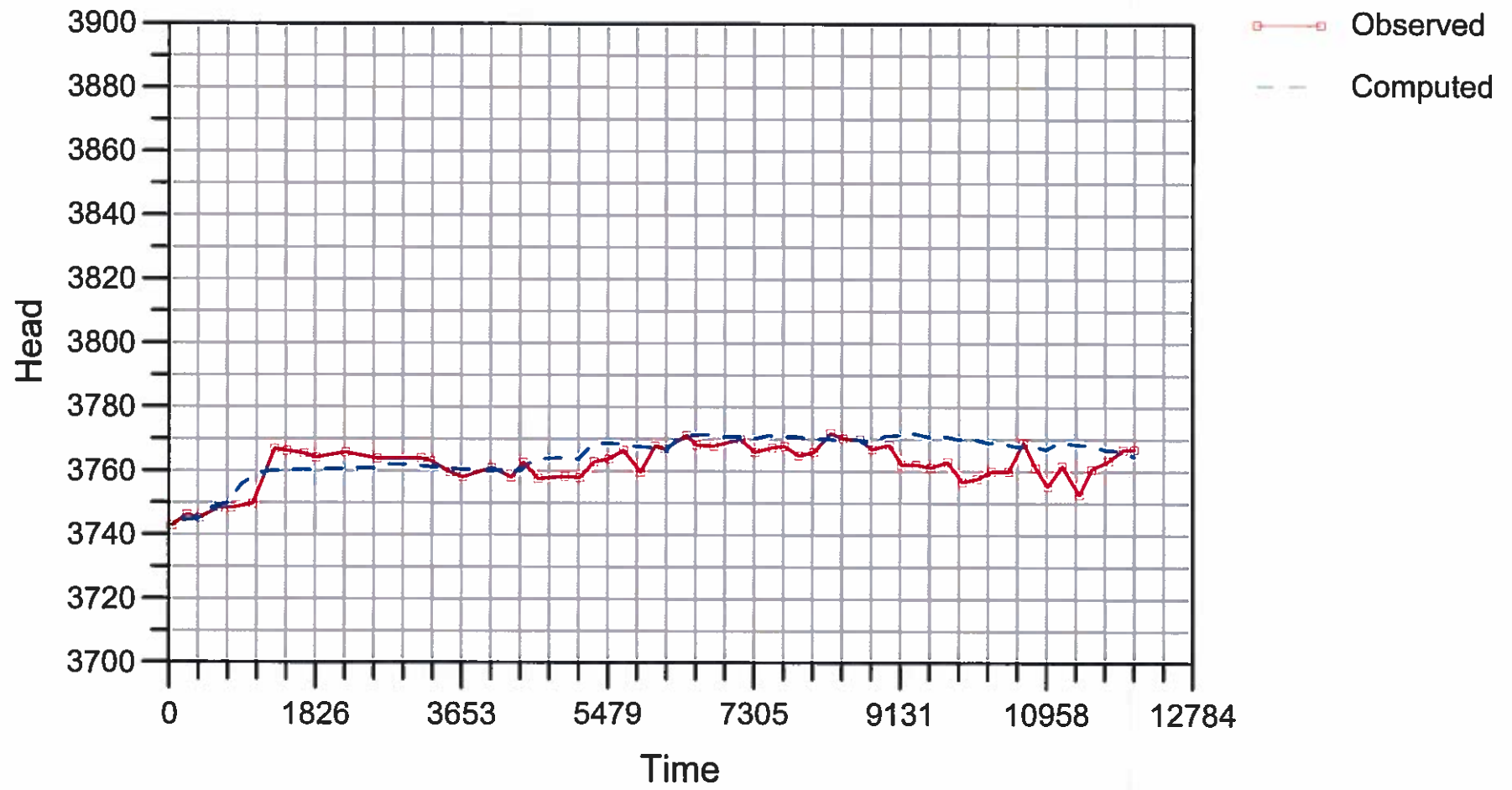
32S/31E-25R1



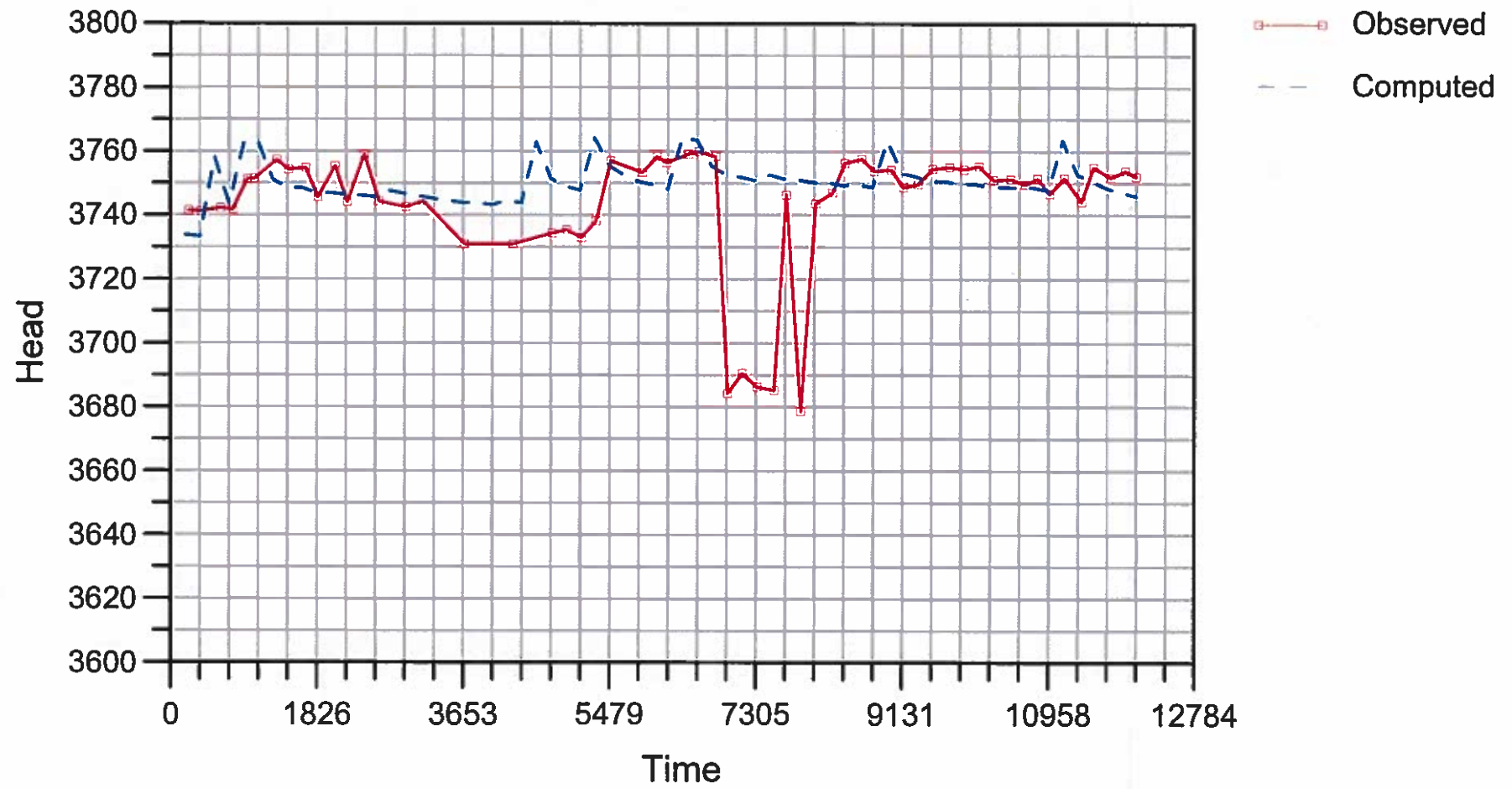
32S/31E-26D1



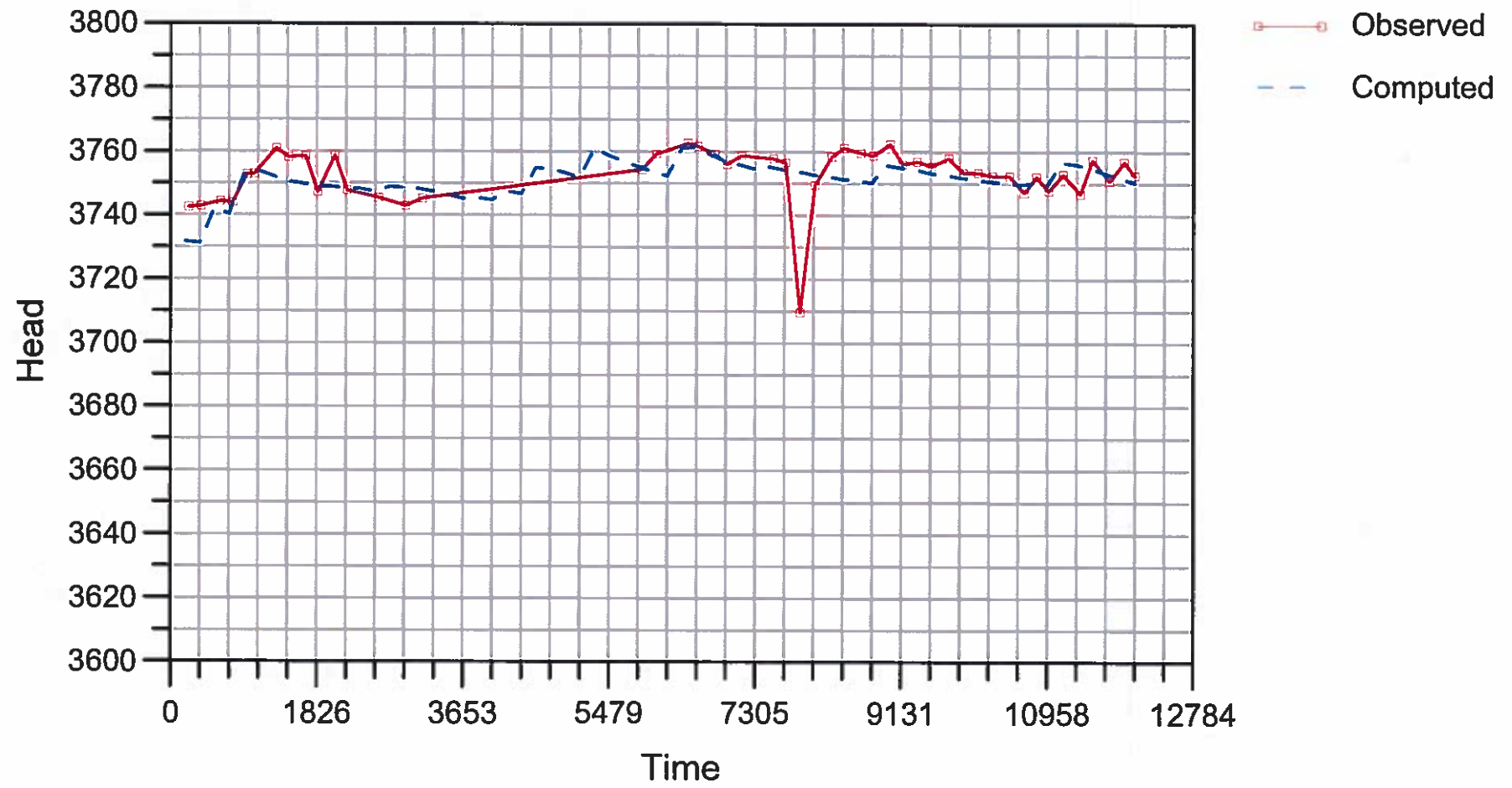
32S/31E-34A1



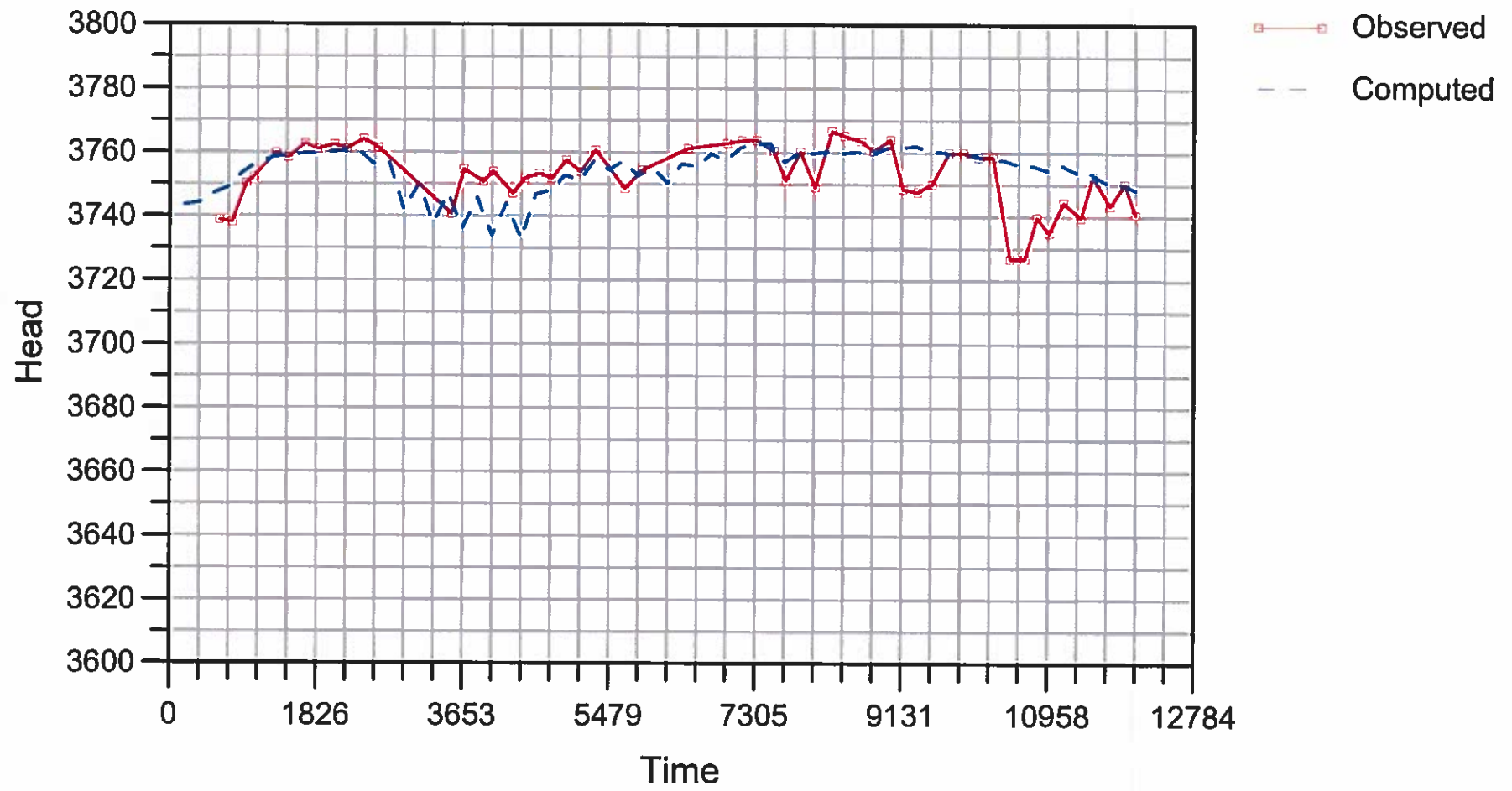
32S/31E-34J1



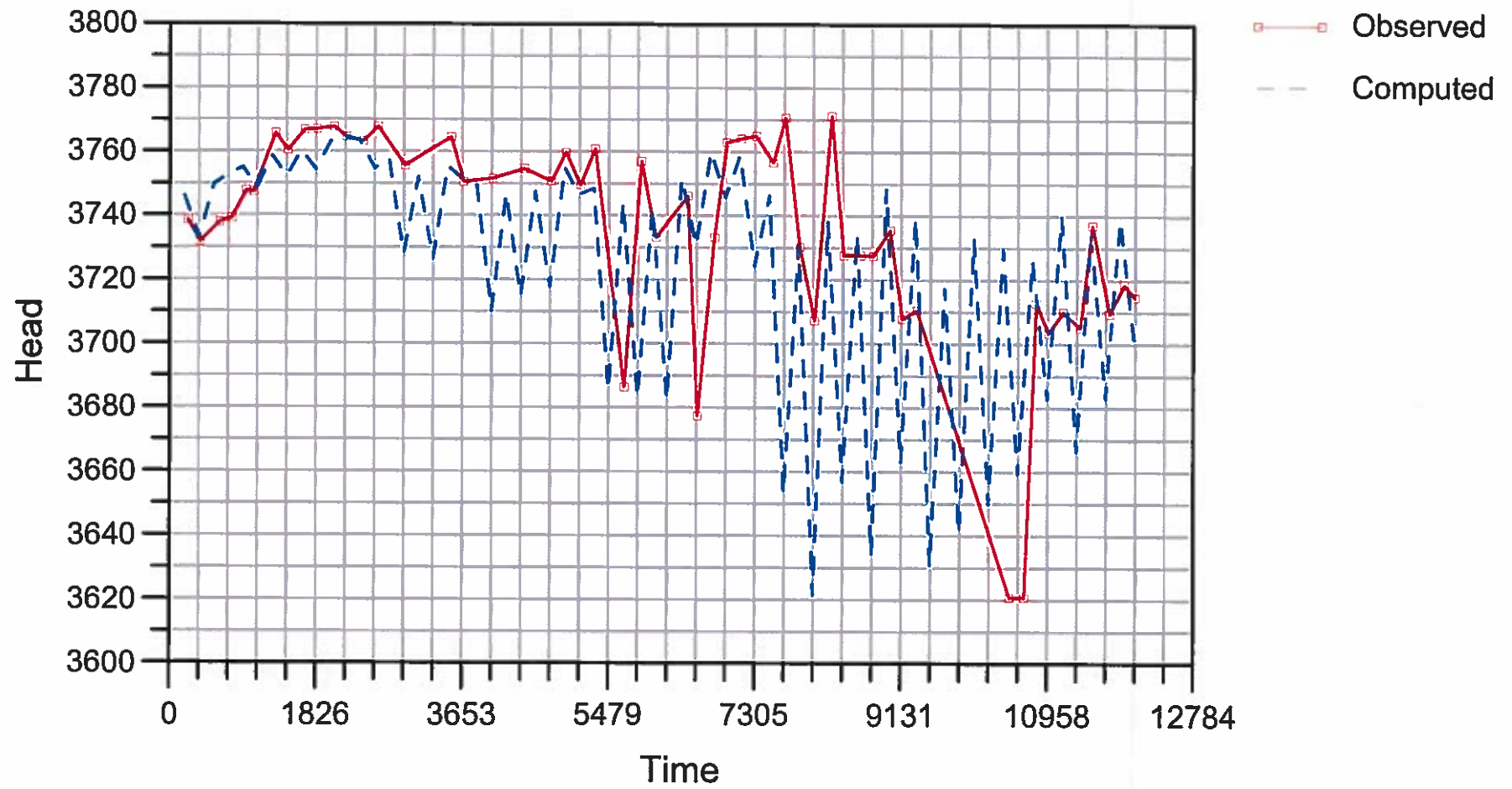
32S/31E-34K2



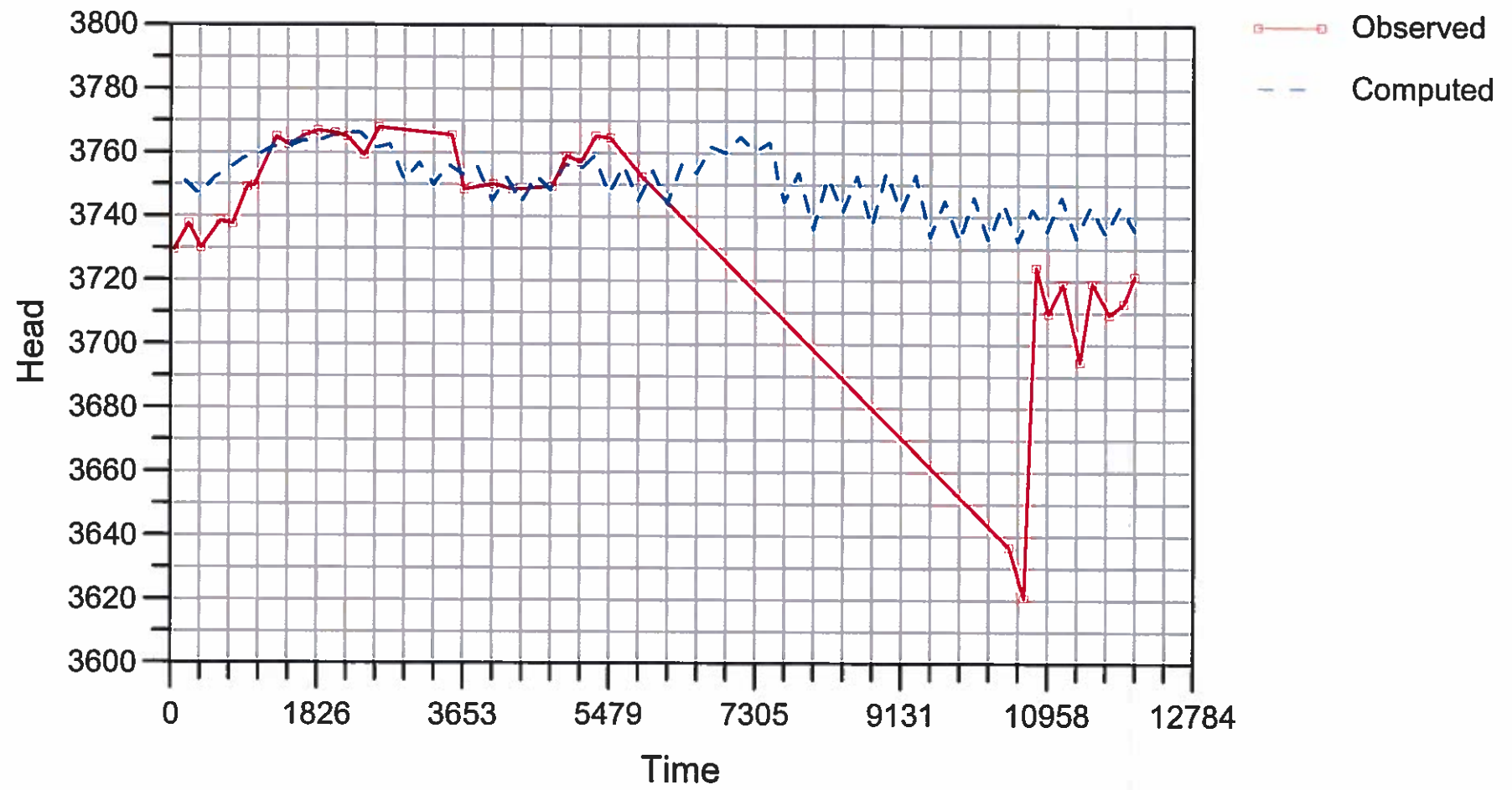
32S/31E-35F1



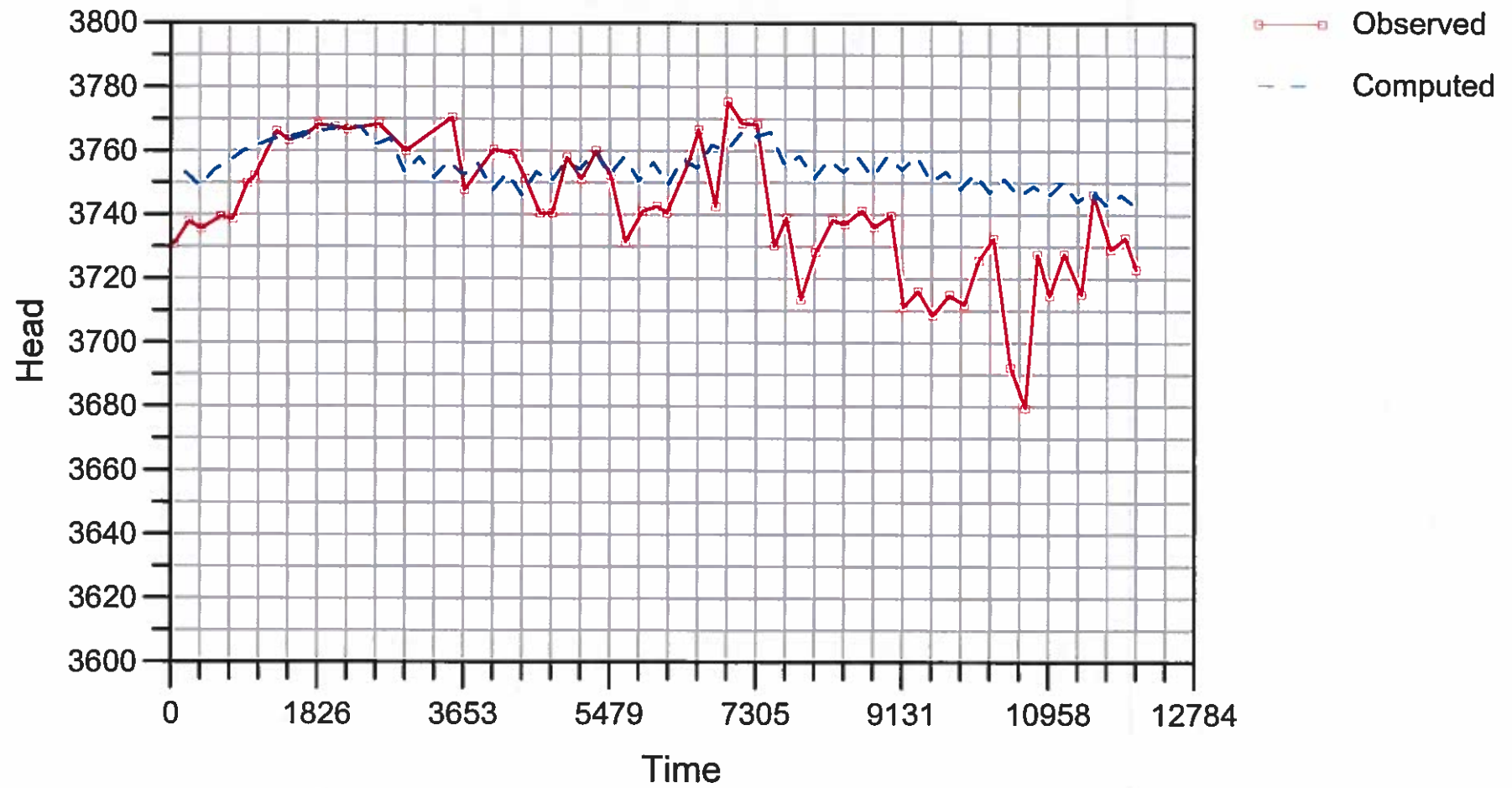
32S/31E-35H1



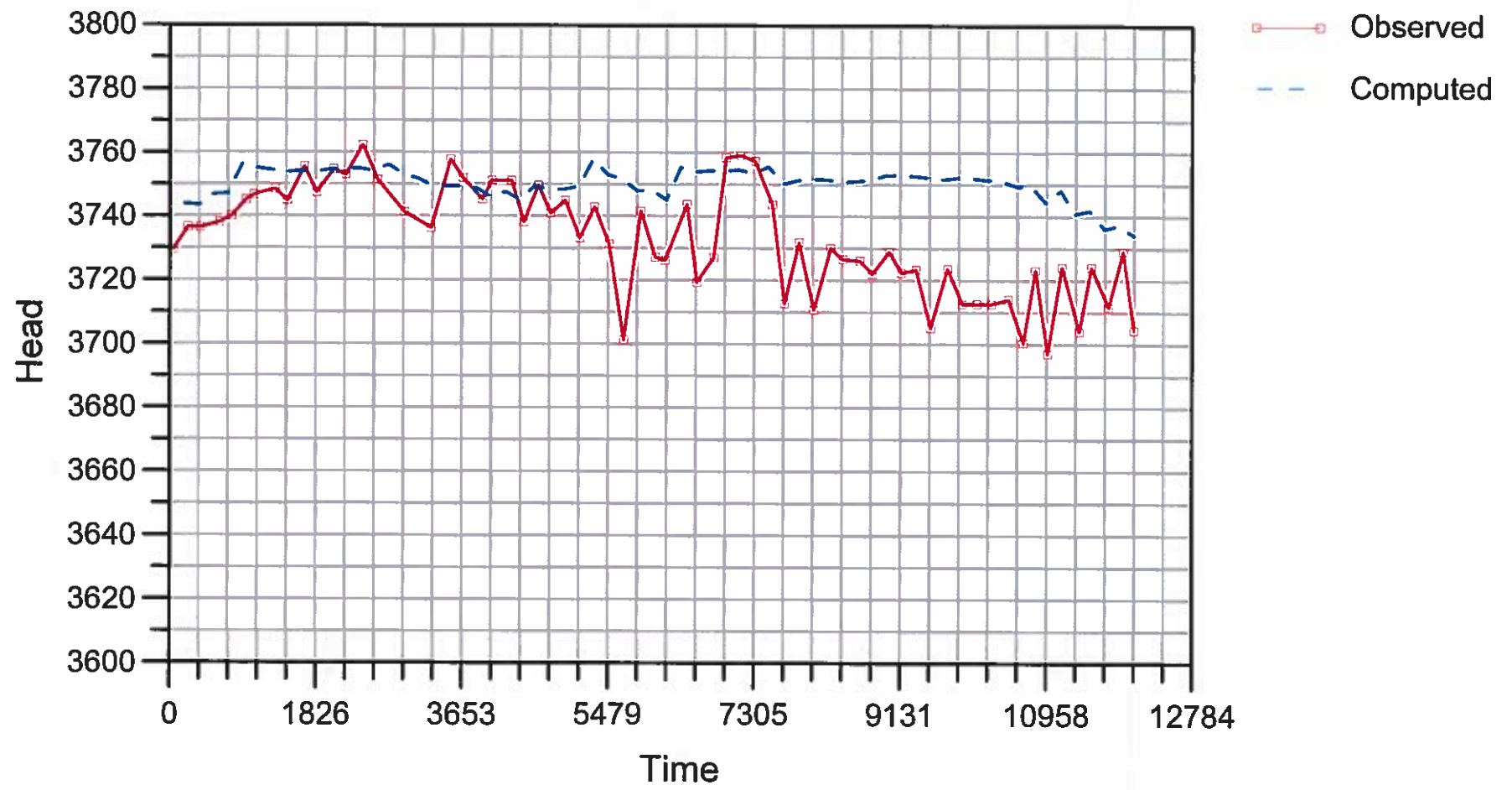
32S/31E-35H2



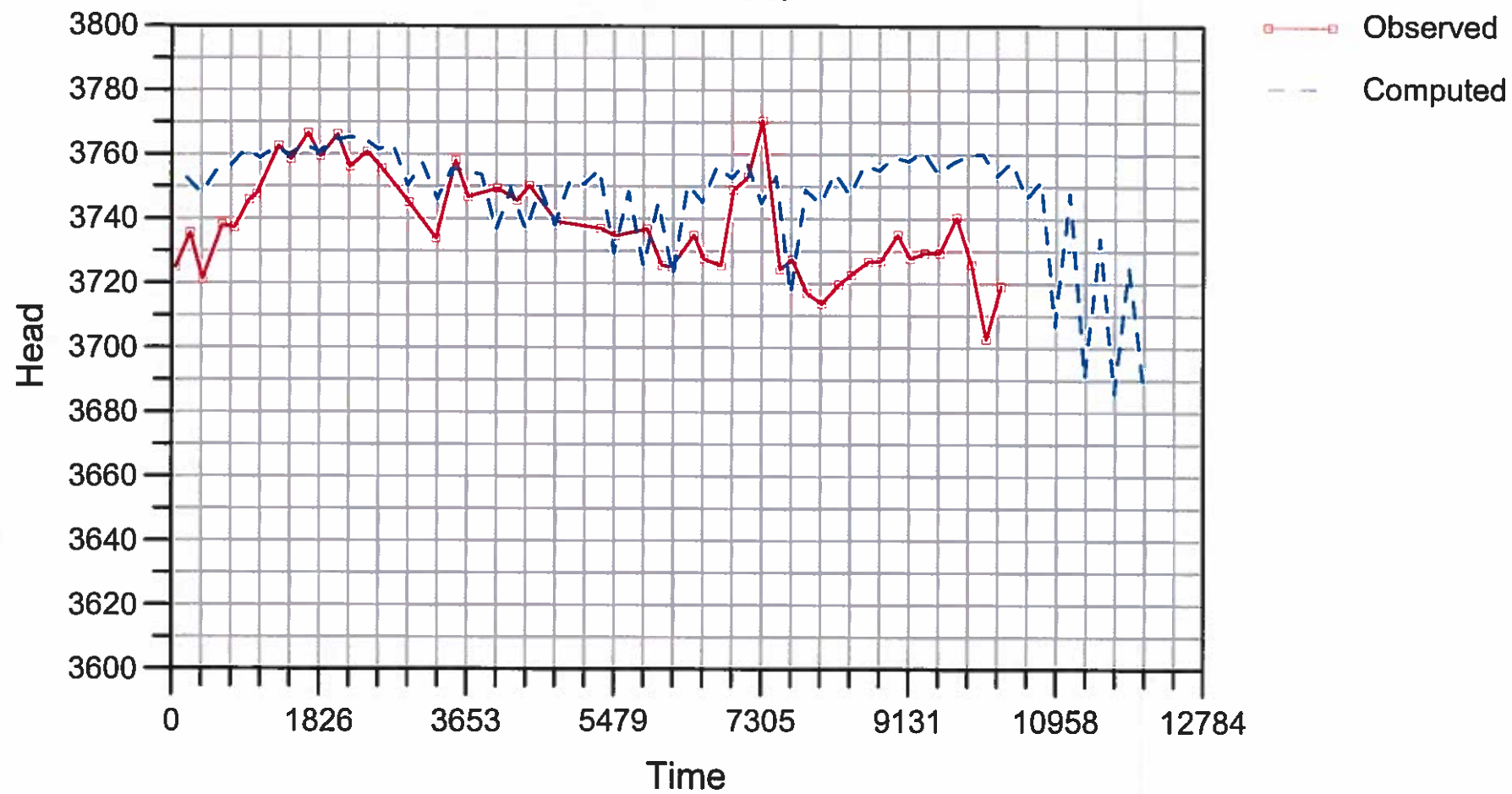
32S/31E-35J1



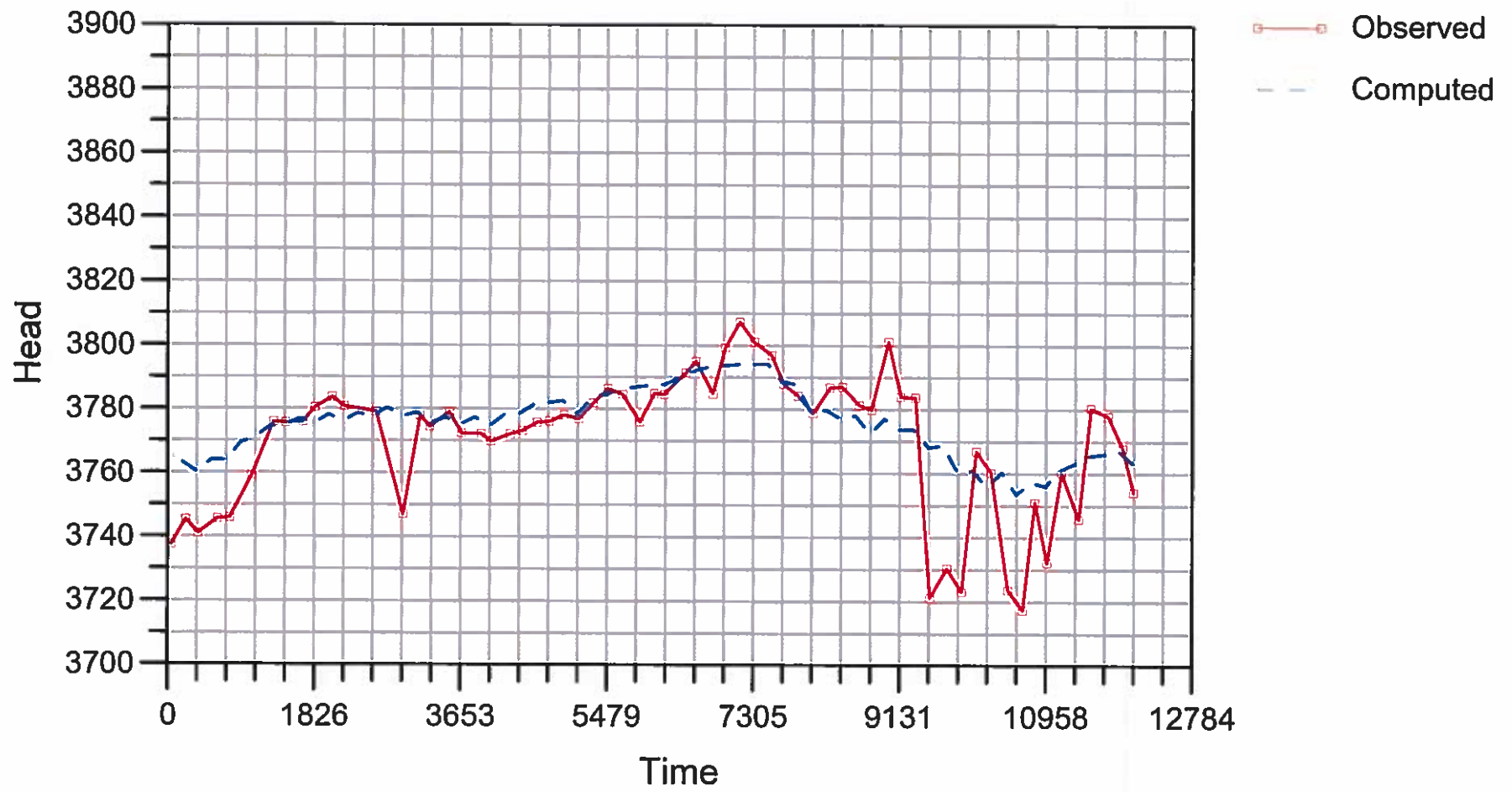
32S/31E-35N1



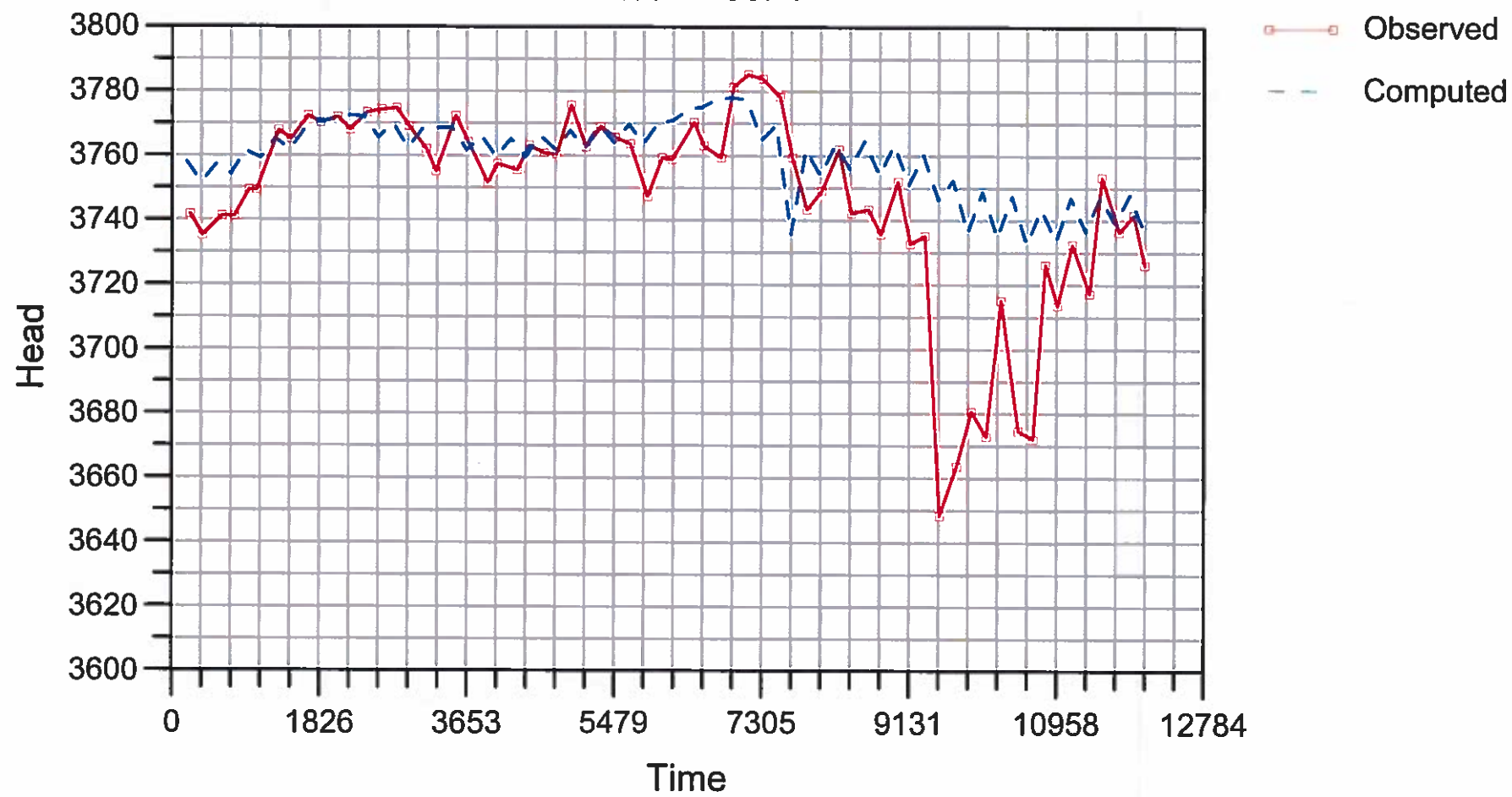
32S/31E-35Q1



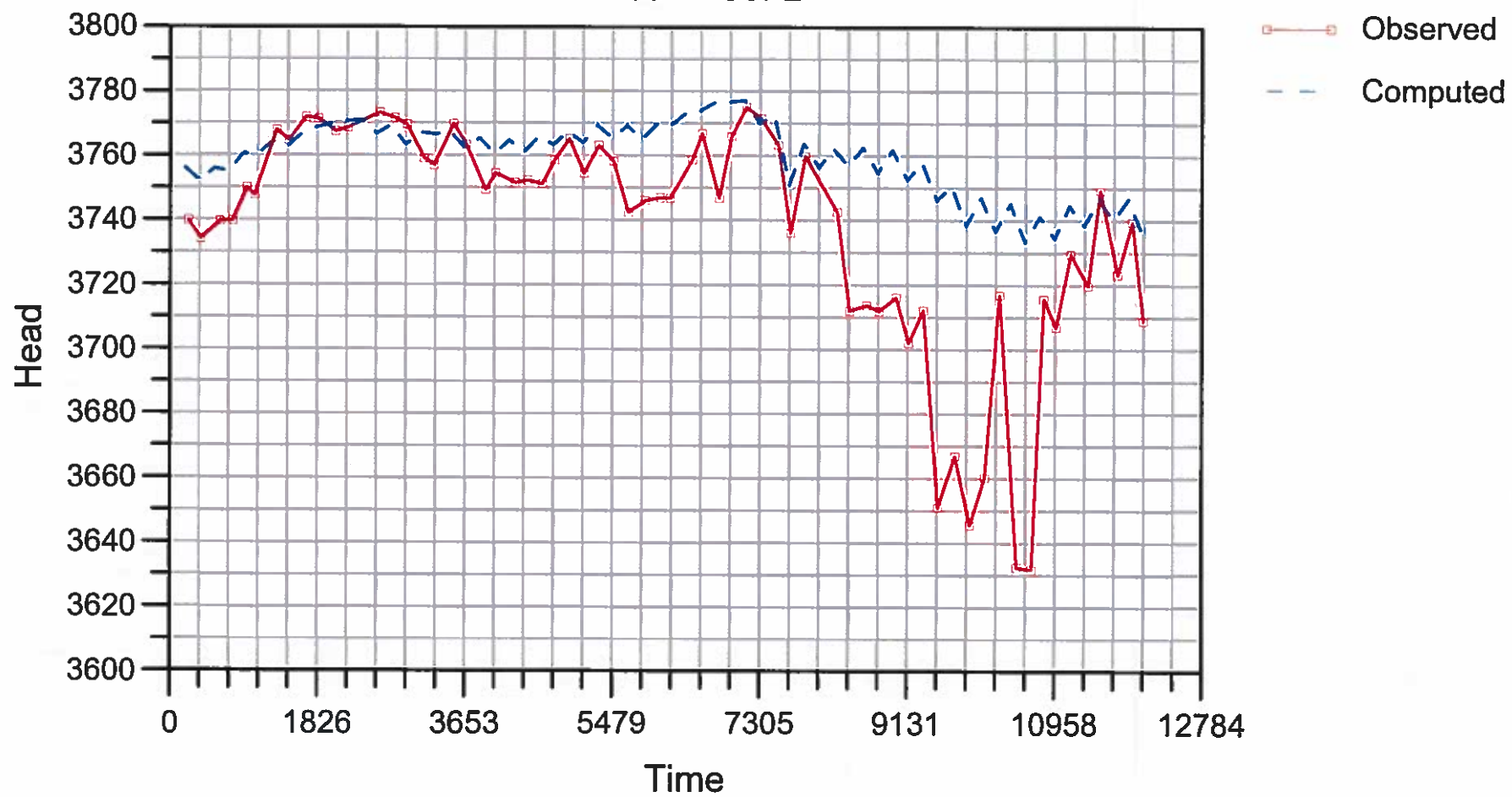
32S/31E-36A2



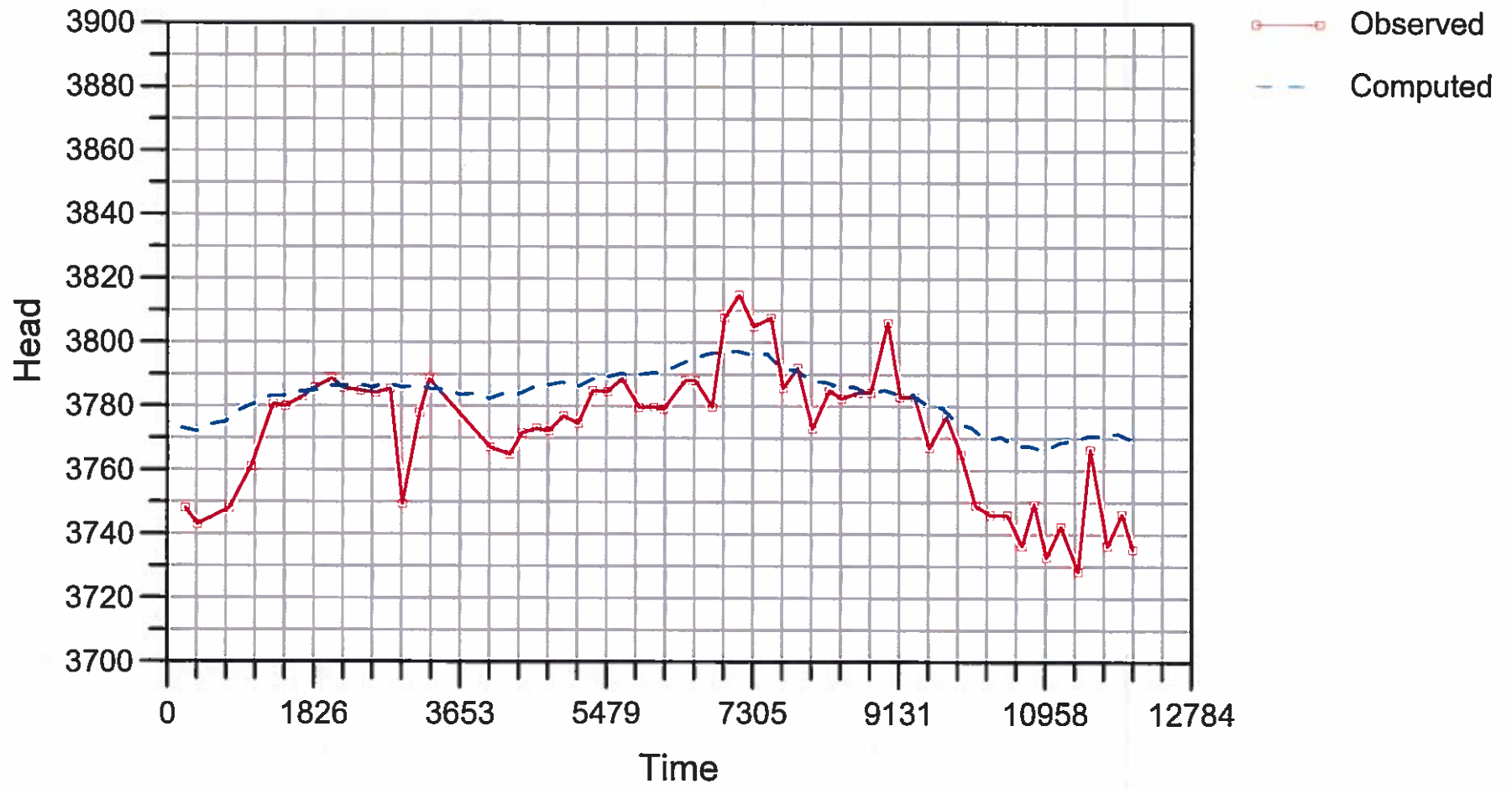
32S/31E-36F1



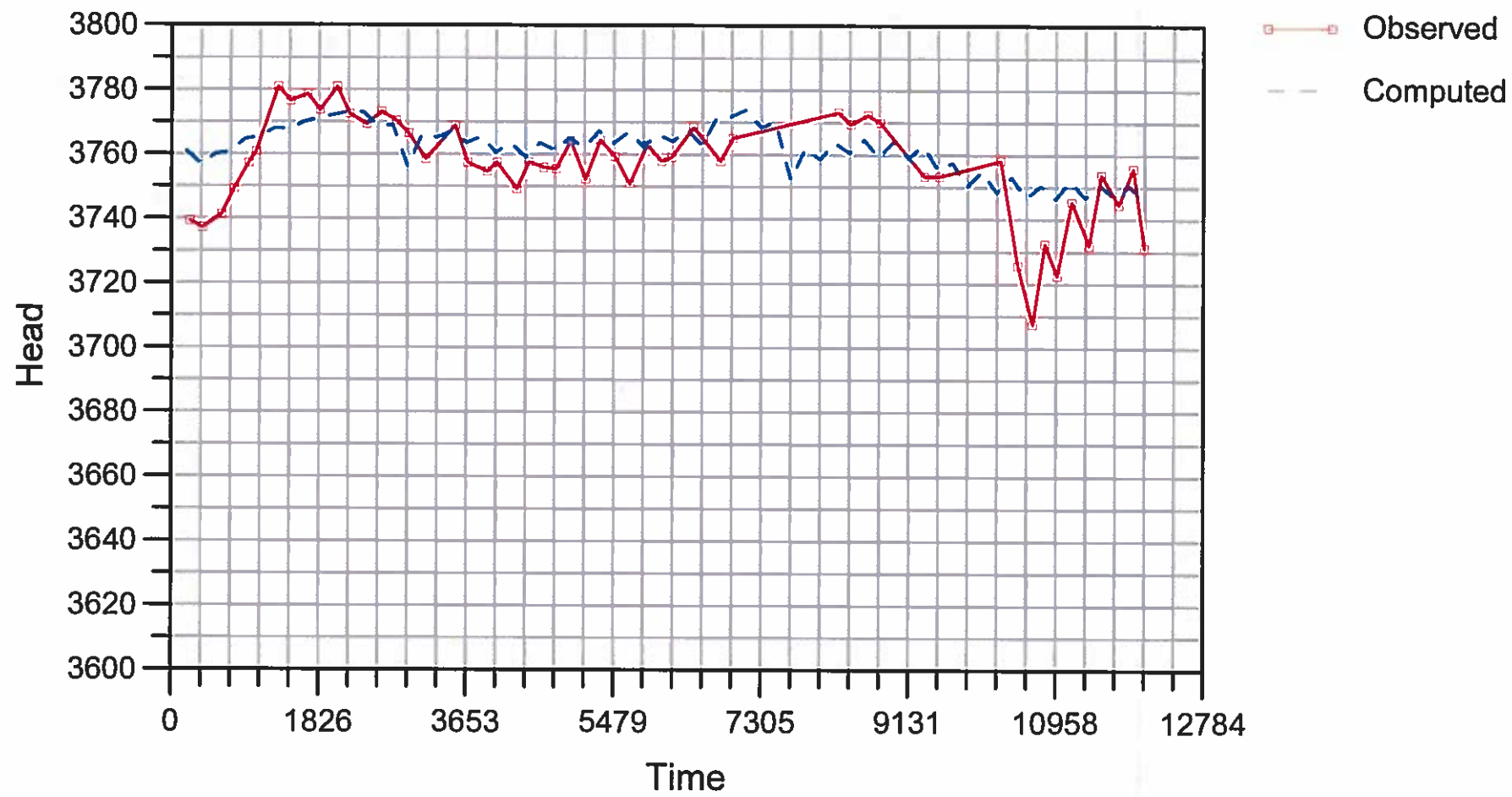
32S/31E-36F2



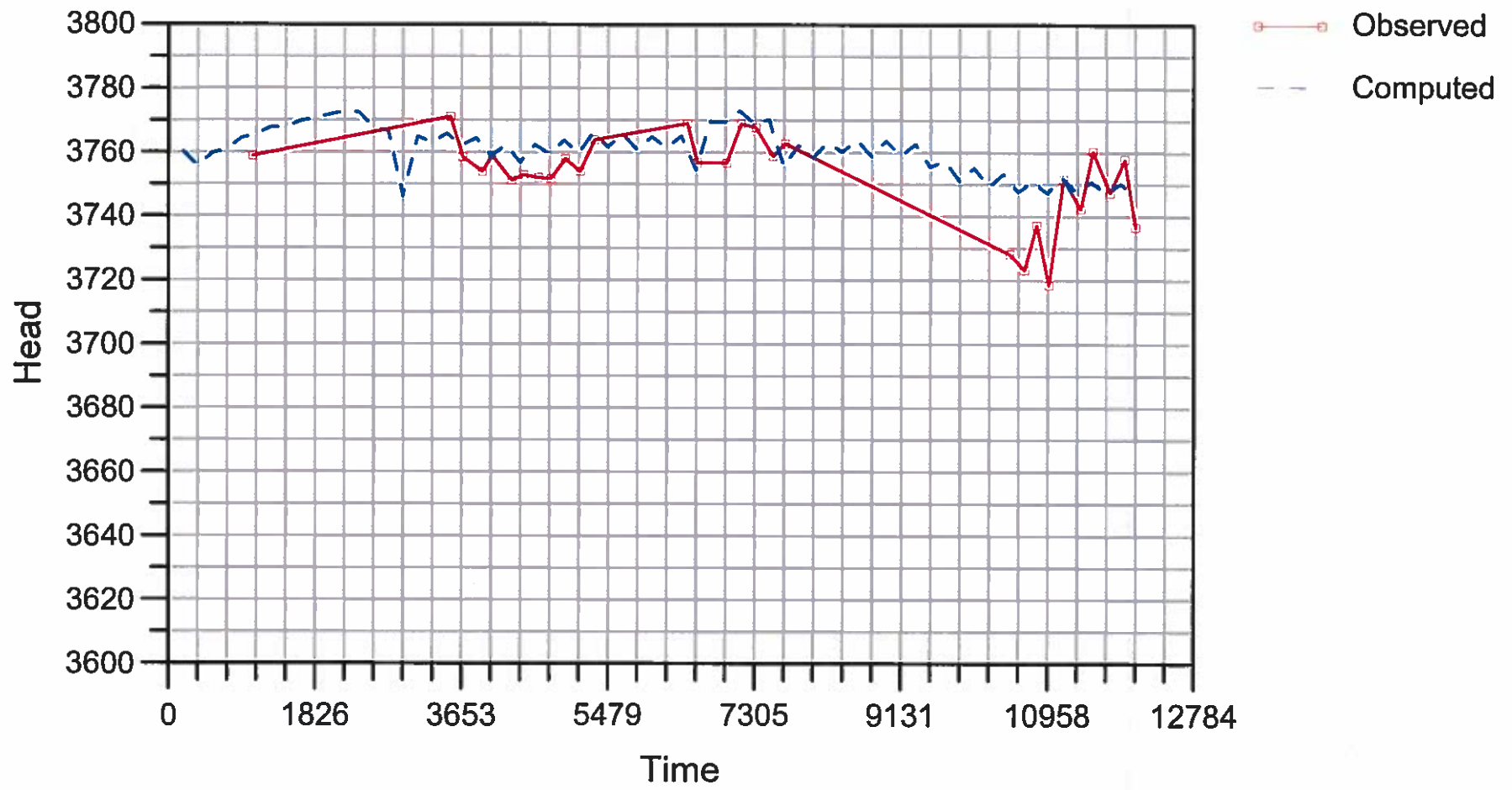
32S/31E-36H1



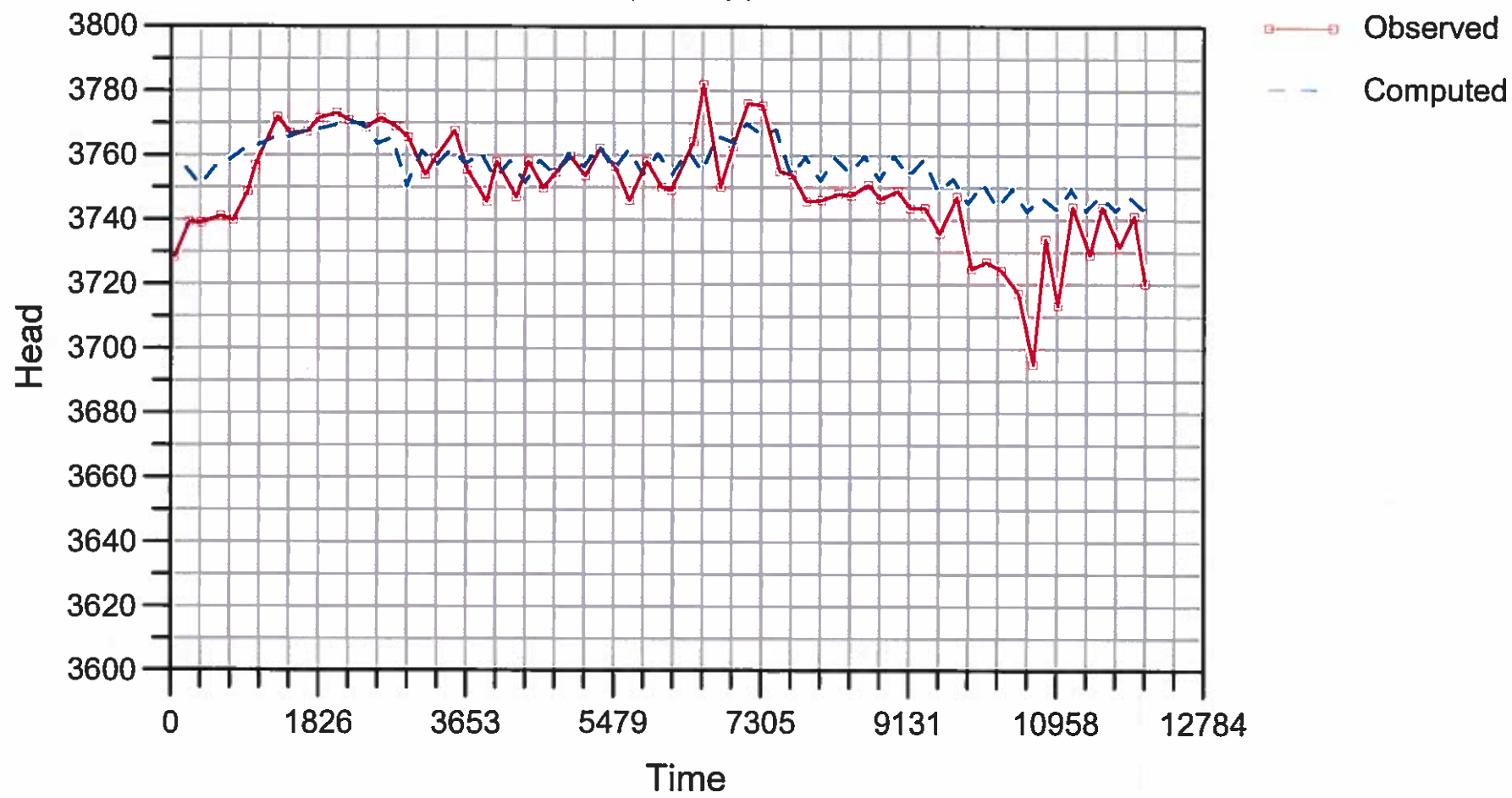
32S/31E-36L1



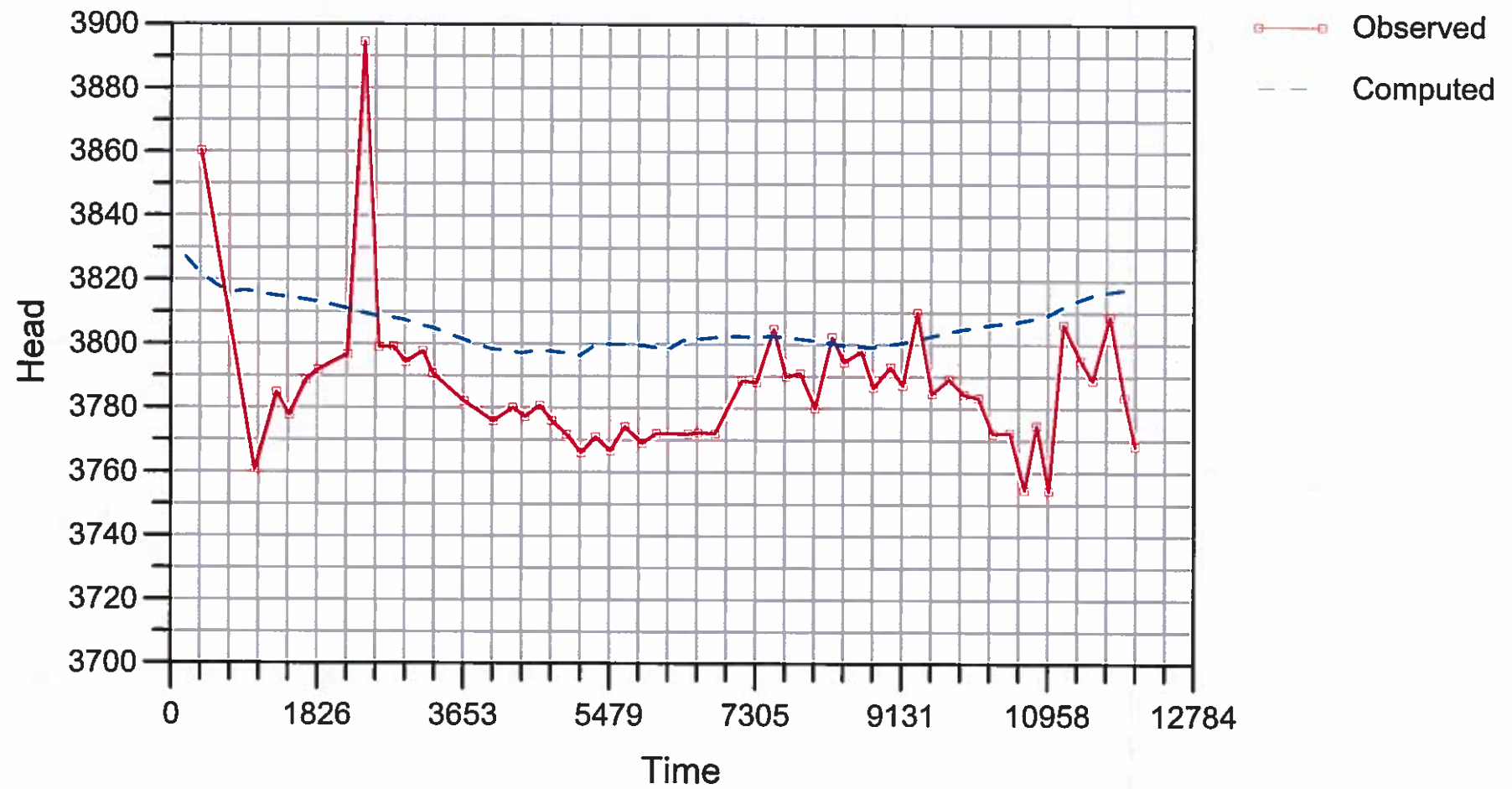
32S/31E-36M1



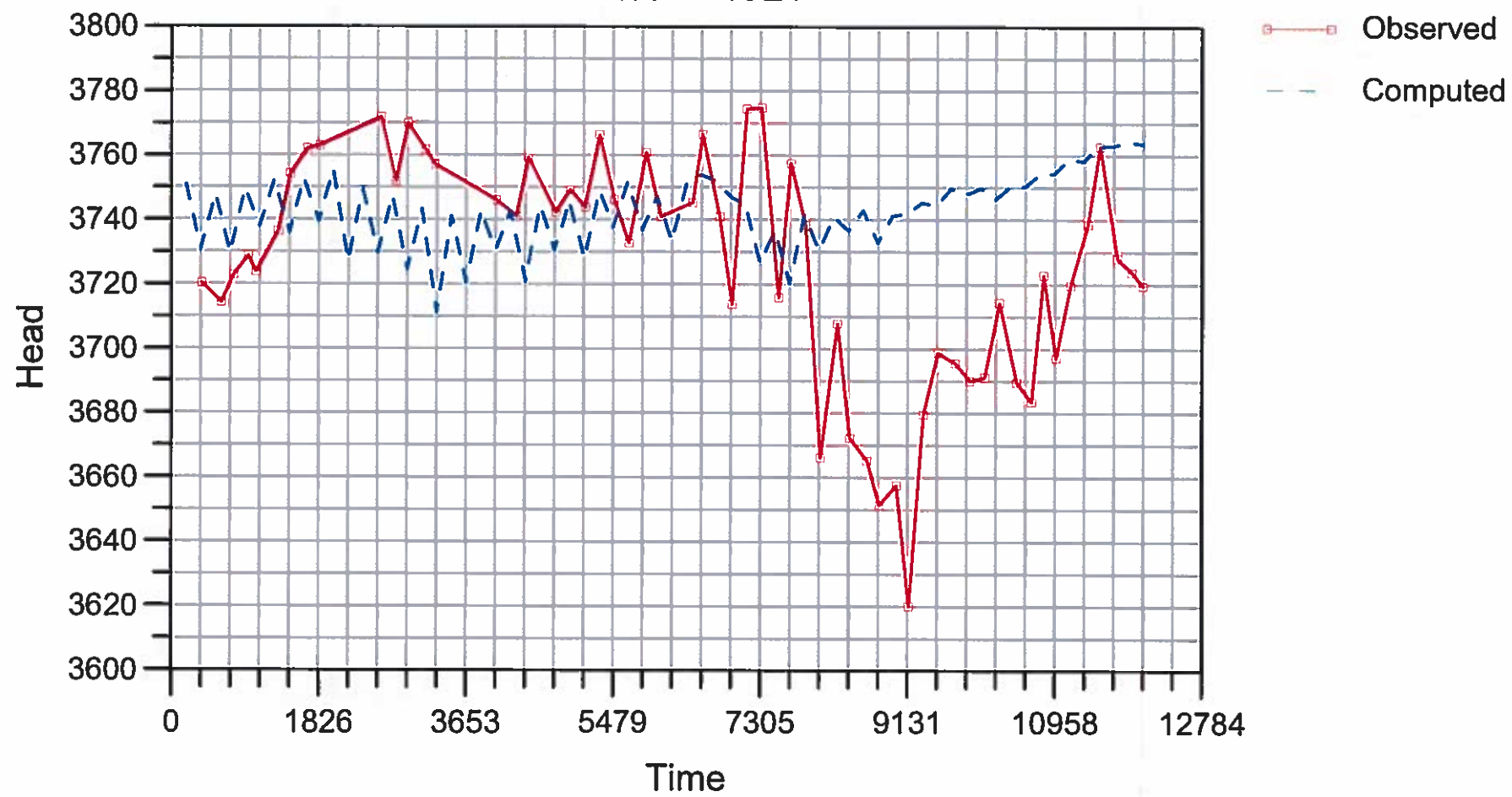
32S/31E-36M2



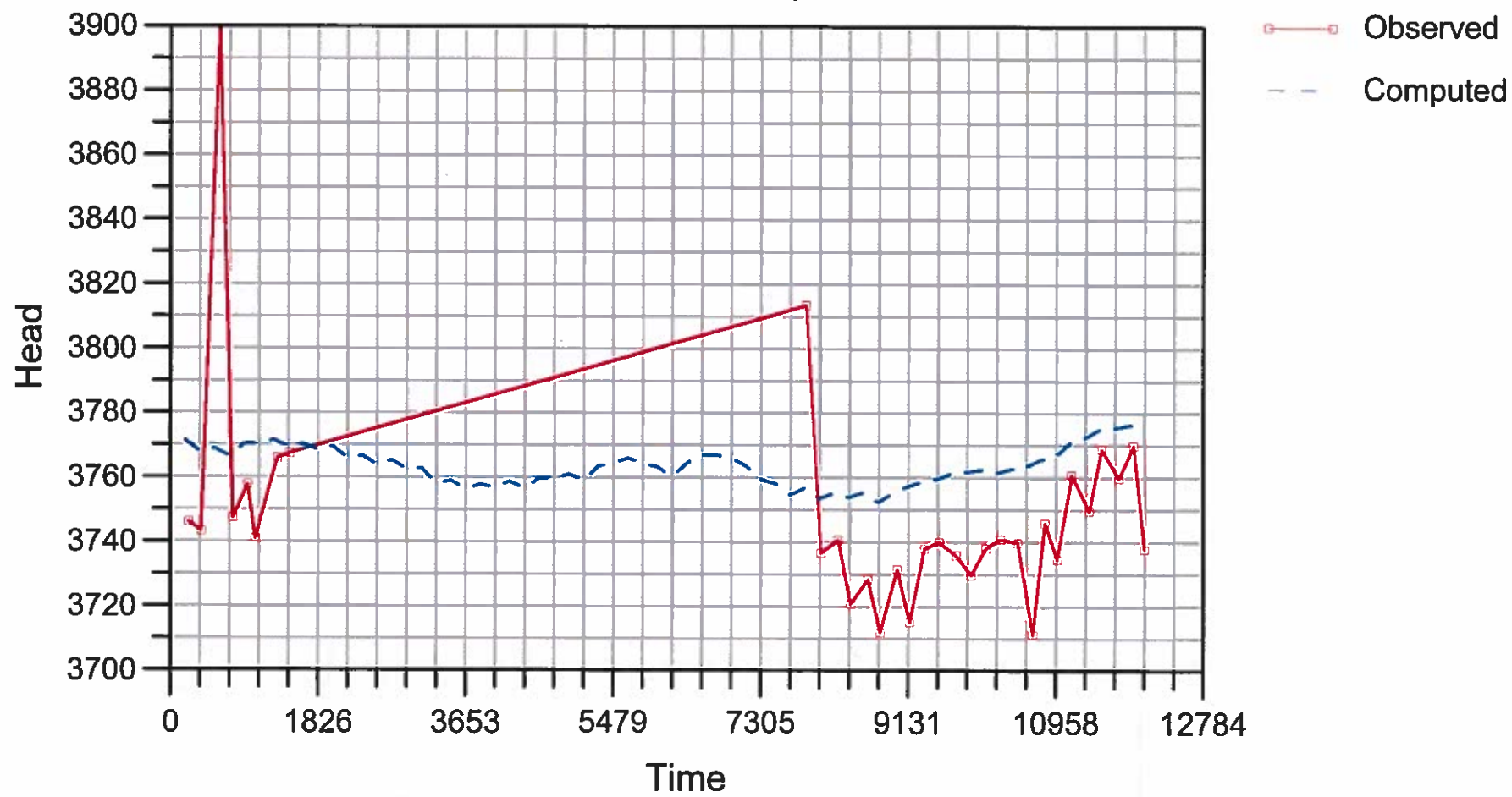
32S/32E-18R1



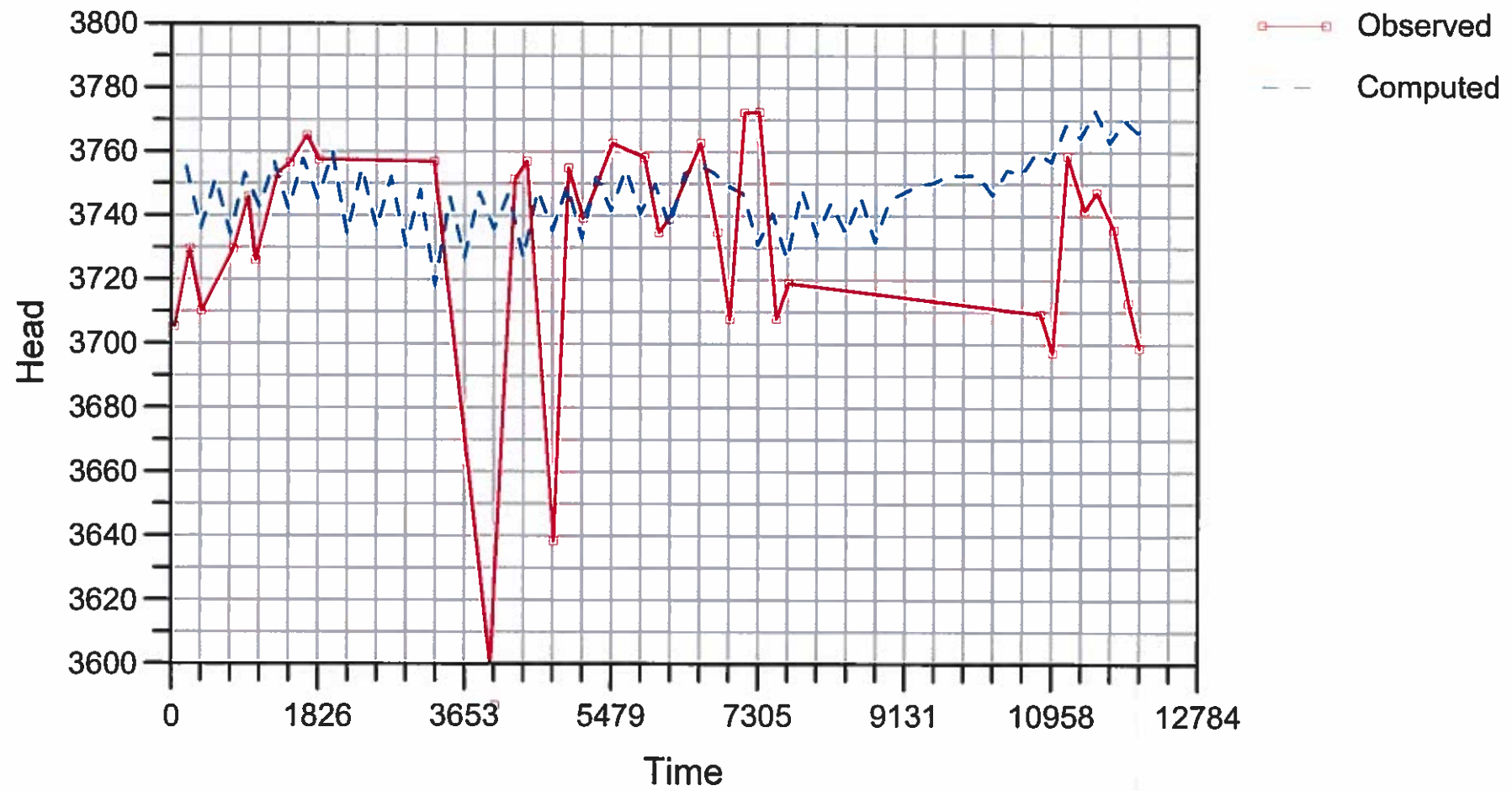
32S/32E-19E1



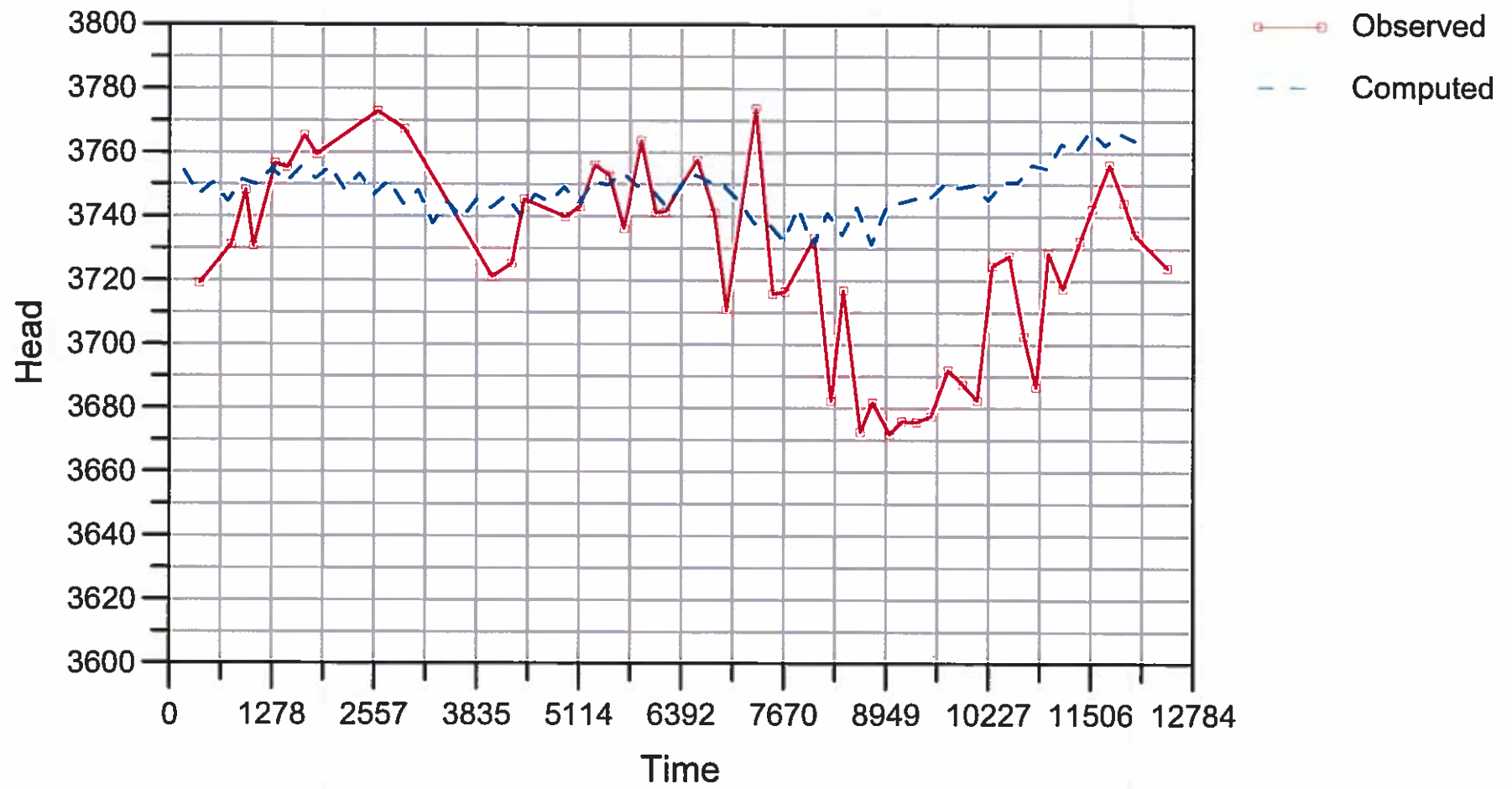
32S/32E-19E3



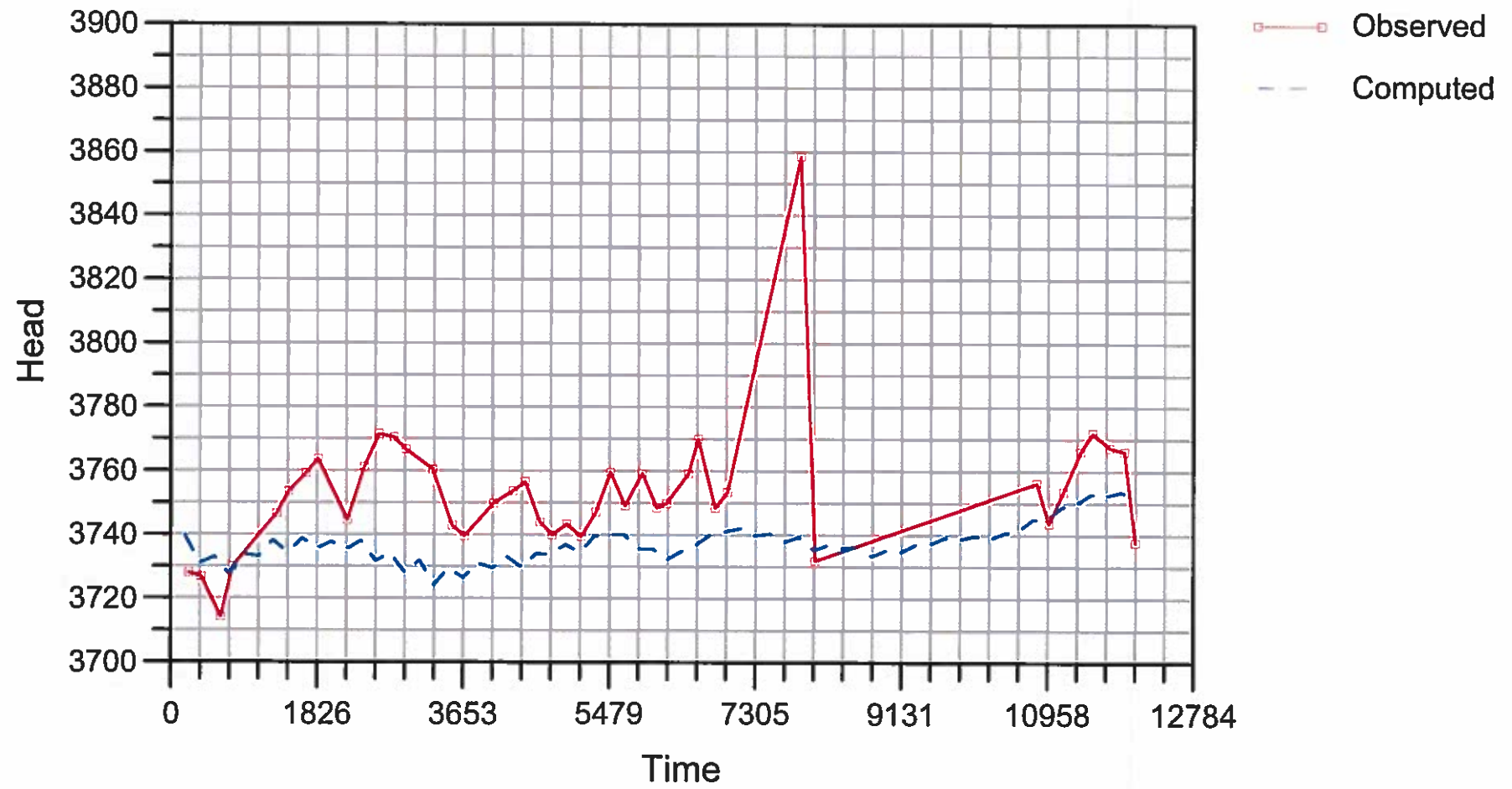
32S/32E-19F1



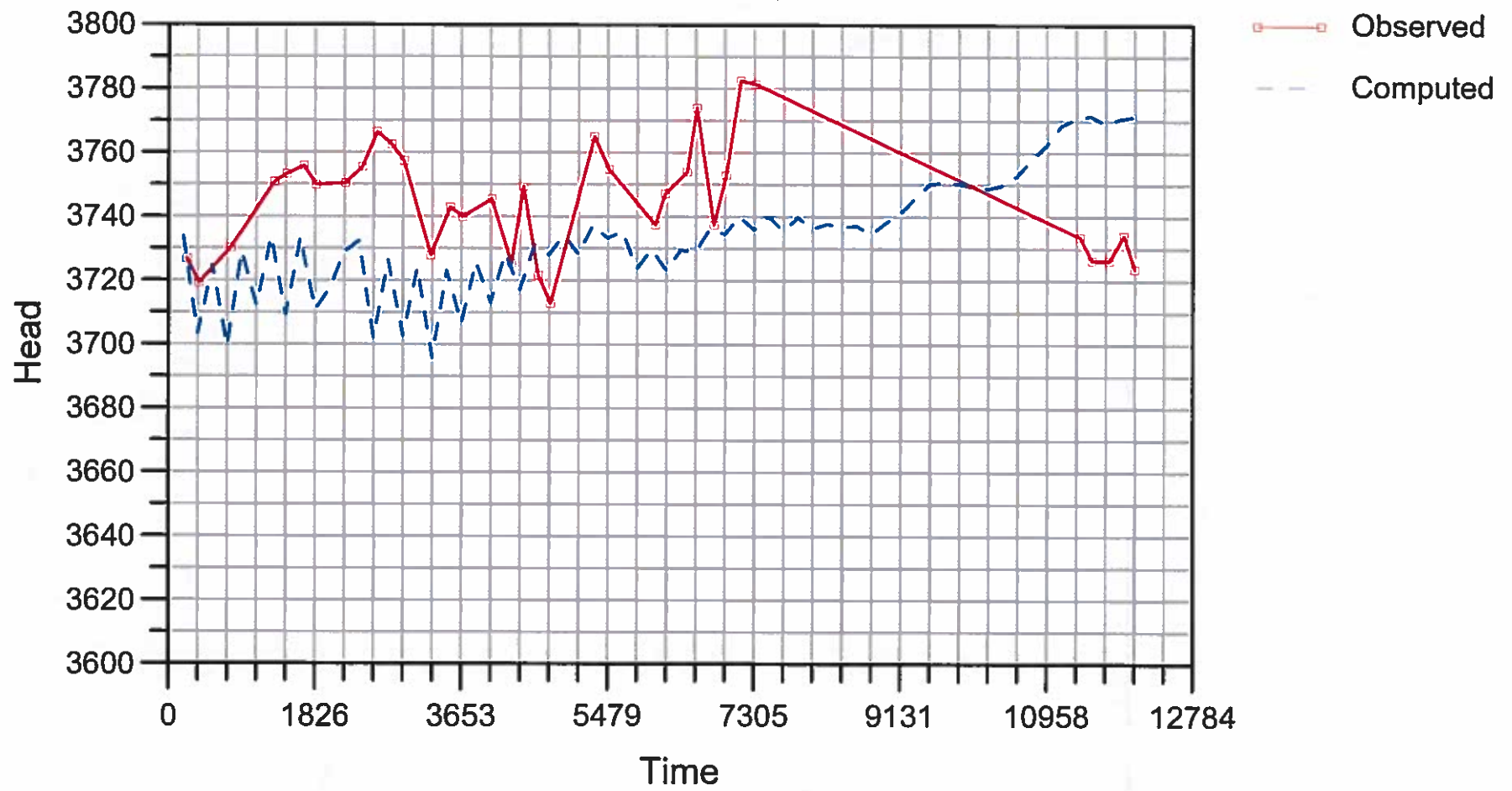
32S/32E-19F2



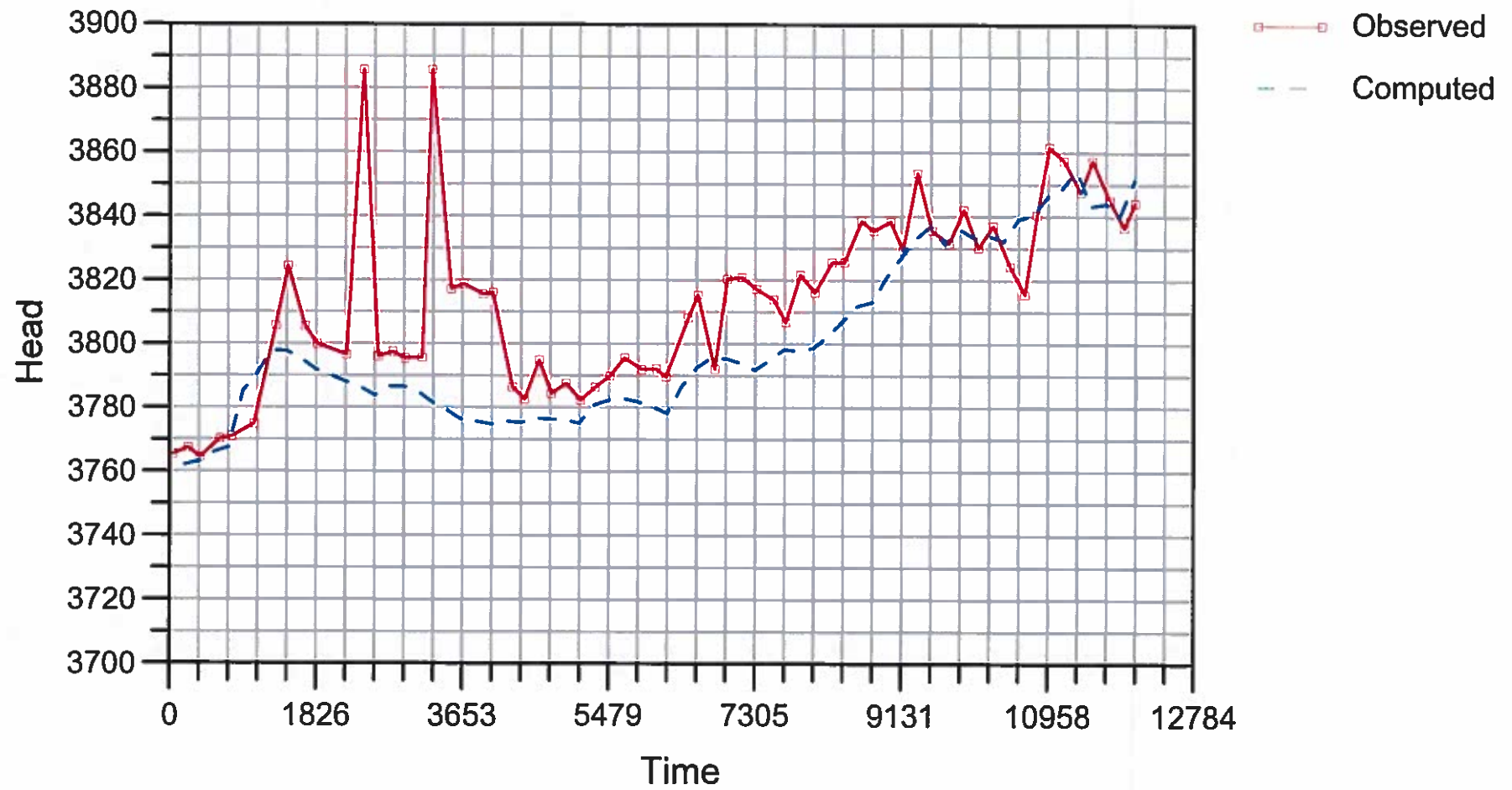
32S/32E-19L1



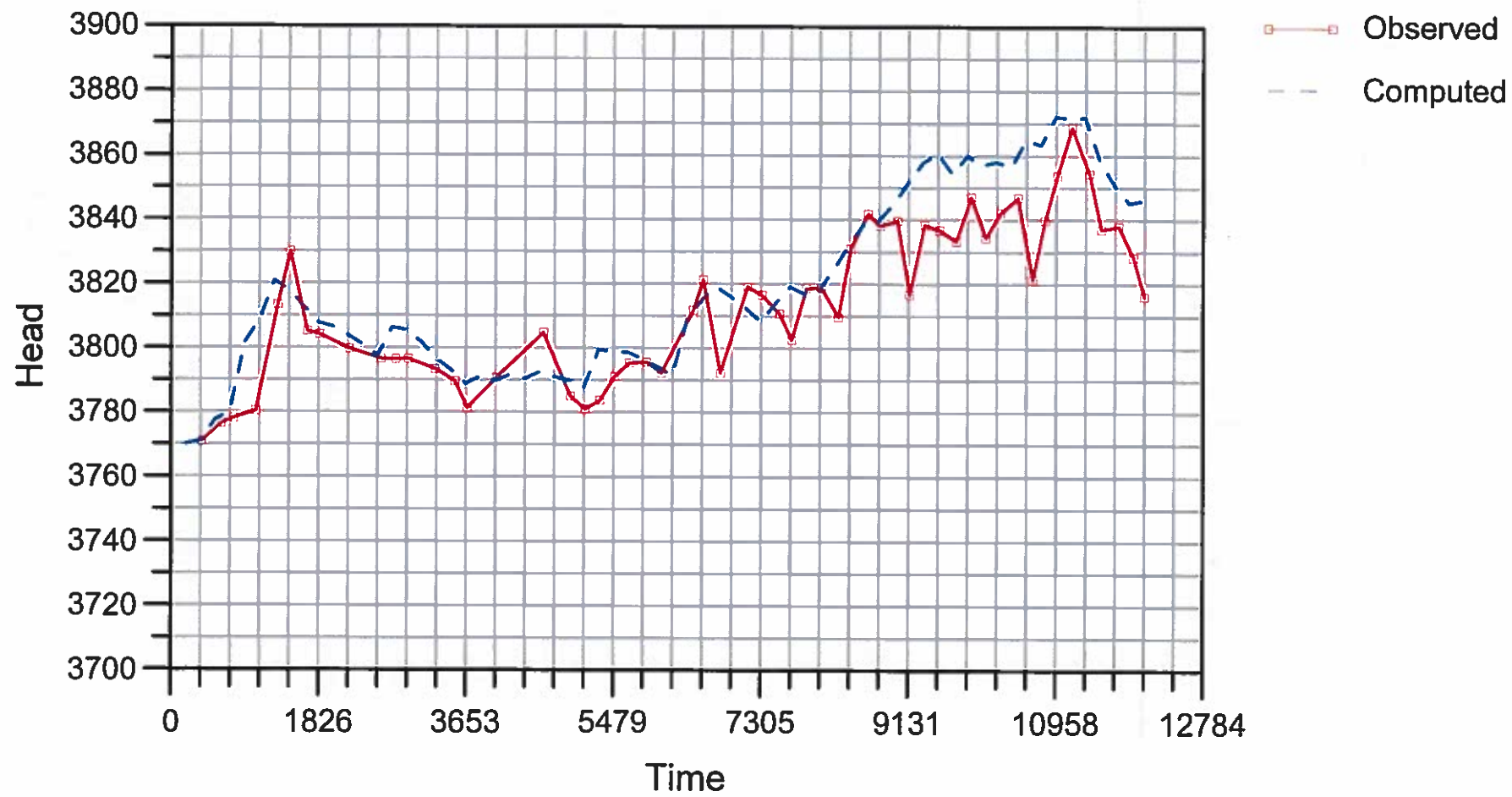
32S/32E-19Q3



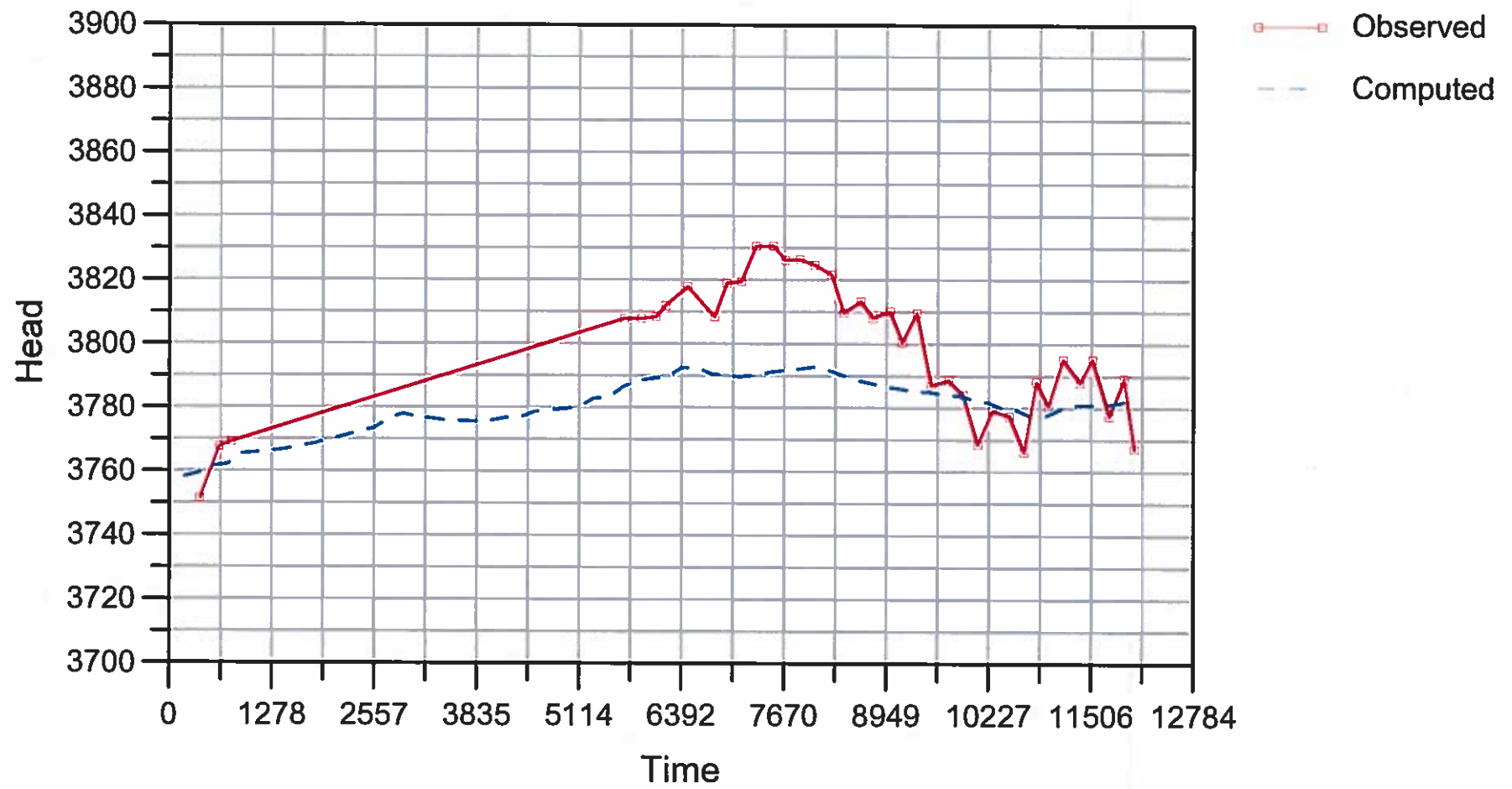
32S/32E-20M1



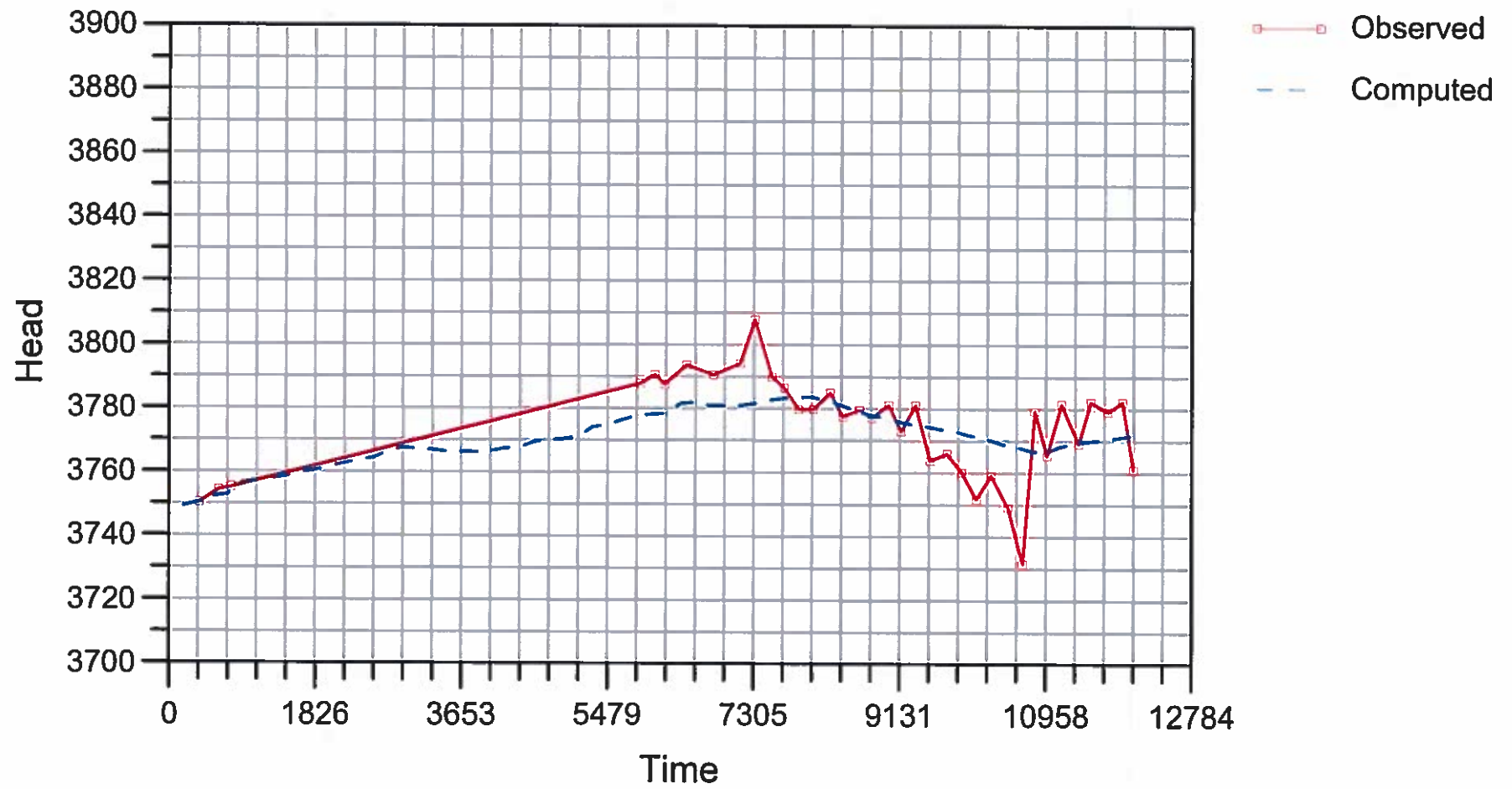
32S/32E-20M2



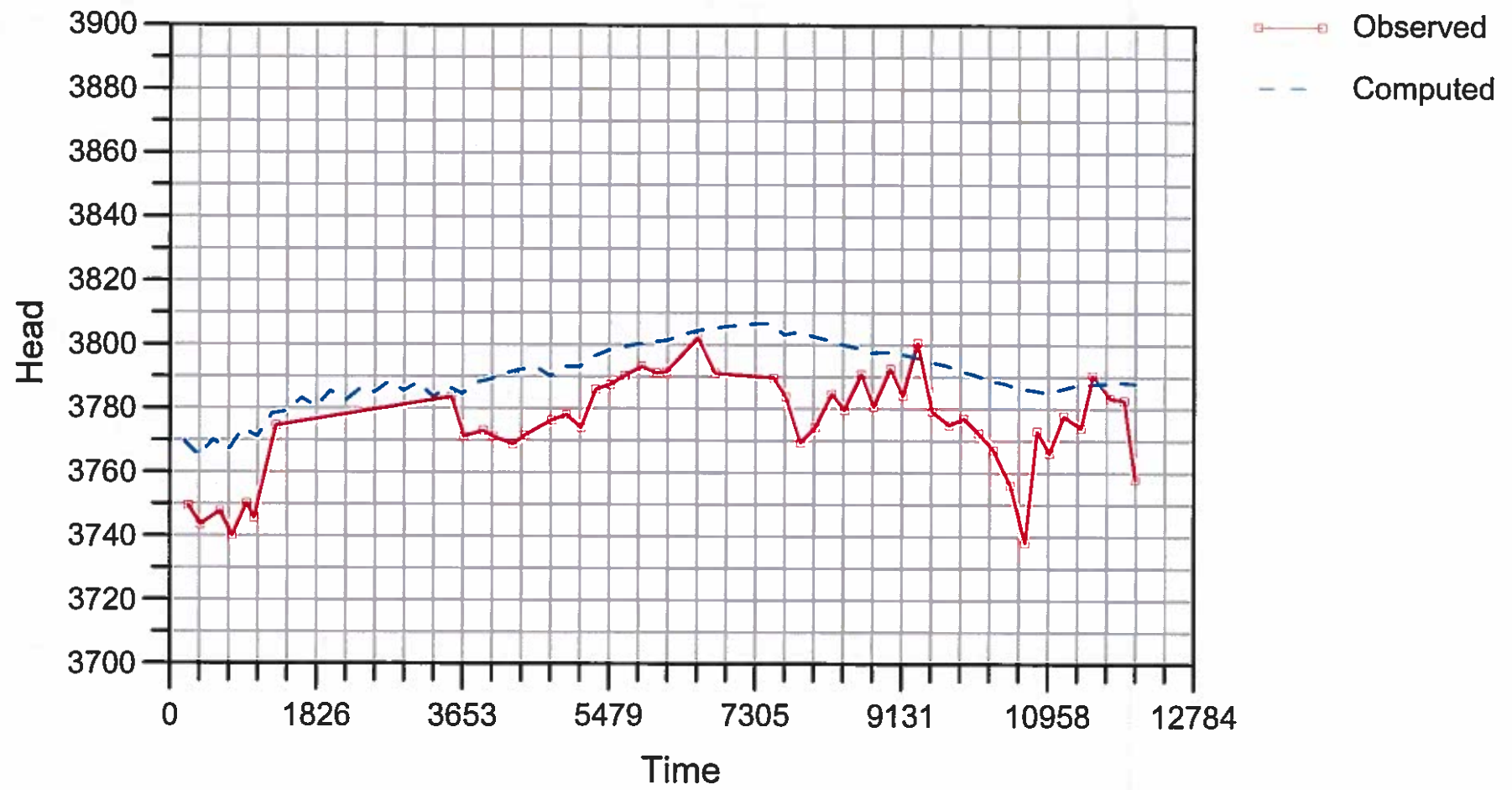
32S/32E-30K1



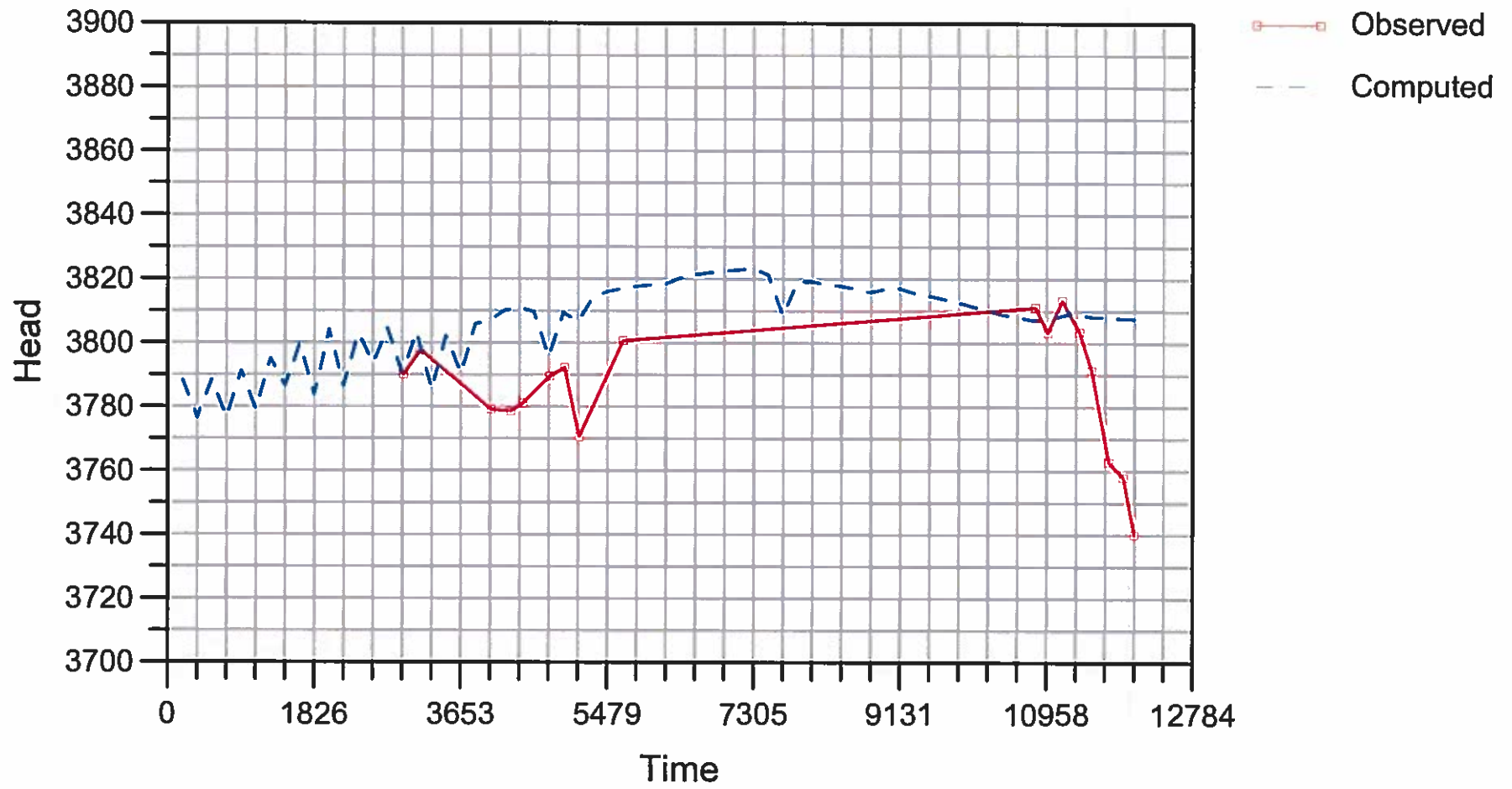
32S/32E-30K3



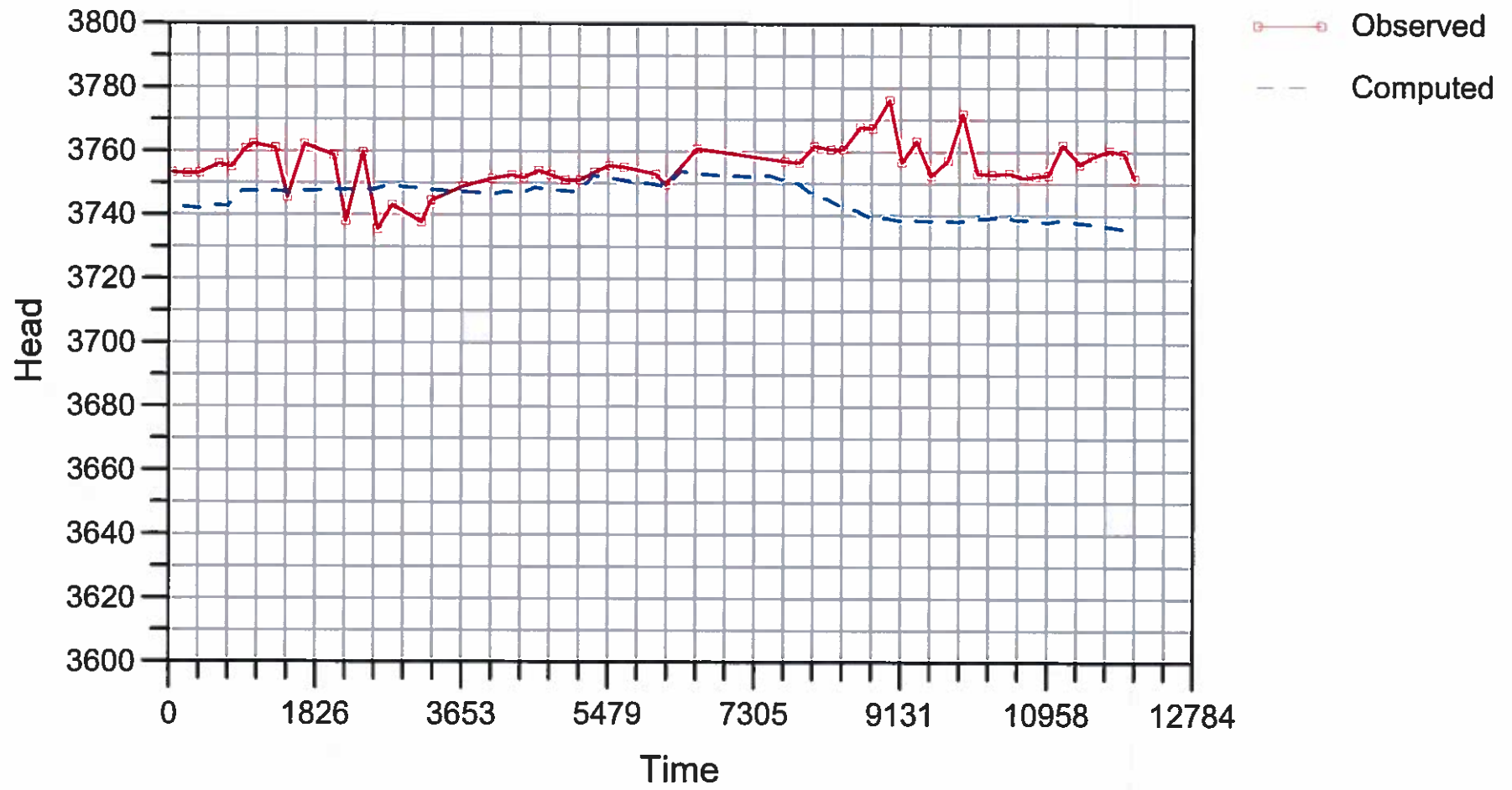
32S/32E-30P1



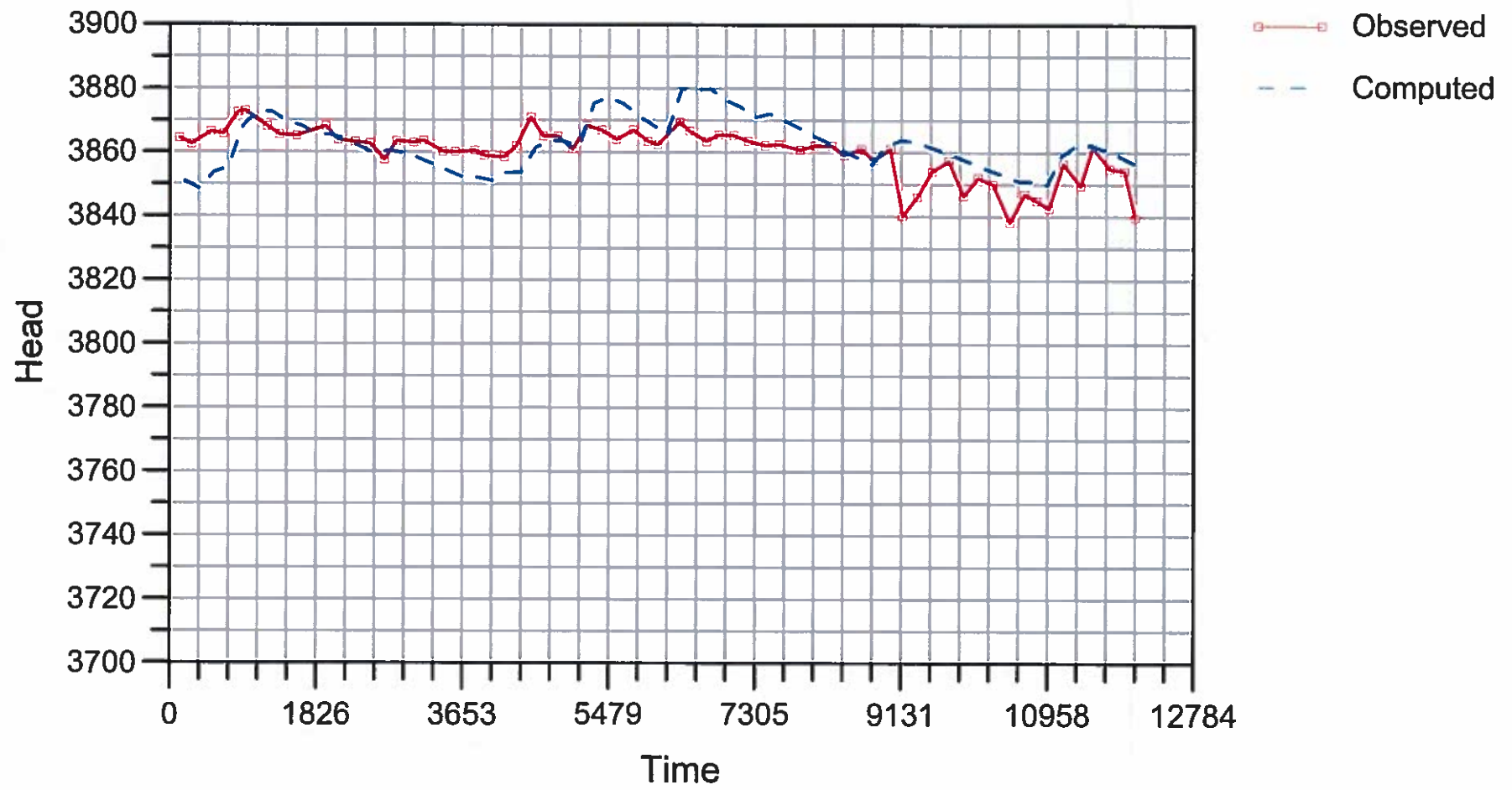
32S/32E-31B1



12N/16W-31M1



12N/16W-32M1



12N/16W-32M2

