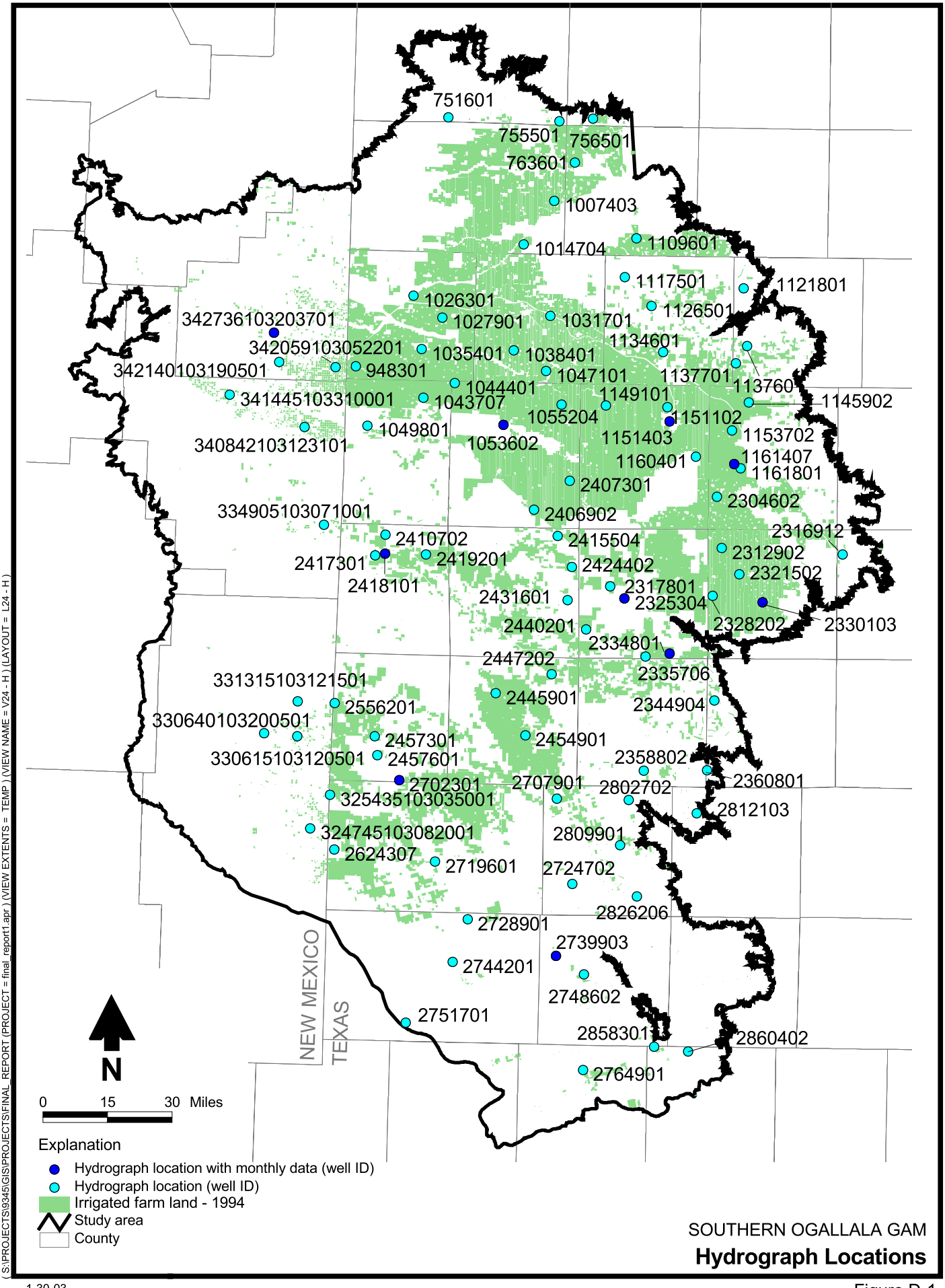
Appendix D

Simulated and Observed Hydrographs for Transient Model Calibration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763601
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1117501
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1026301
1126501
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1027901
1031701
1134601
342059103052201
1035401
1038401
342140103190501
948301
1047101
1137701
113760
1044401
1149101
1145902
341445103310001
1043707
1055204
1151102
1049801
1153702
340842103123101
1053602
1151403
1160401
1161407
1161801
2407301
2304602
334905103071001
2406902
2316912
2410702
2415504
2312902
2417301
2419201
2424402
2321502
2418101
2317801
2431601
2325304
2328202
2330103
2440201
2334801
2447202
2335706
331315103121501
2445901
2344904
2556201
330640103200501
2457301
2454901
330615103120501
2457601
2358802
2702301
2707901
2802702
2360801
325435103035001
2812103
324745103082001
2809901
2624307
2719601
2724702
2826206
2728901
2739903
2744201
2748602
2751701
2858301
2860402
2764901
NEW MEXICO
TEXAS
N
0
15
30 Miles
Explanation
Hydrograph location with monthly data (well ID)
Hydrograph location (well ID)
Irrigated farm land - 1994
Study area
County
SOUTHERN OGALLALA GAM
Hydrograph Locations
(S:\PROJECTS\9345\GIS\PROJECTS\FINAL_REPORT (PROJECT = final_report1.apr) (VIEW EXTENTS = TEMP) (VIEW NAME = V24 - H) (LAYOUT = L24 - H)
1-30-03

Figure D-1

Table D-1. Well Locations
Page 1 of 2

Name	Well ID	X-Coordinate	Y-Coordinate
ANDREWS1	2728901	4151430.44	20150514.67
ANDREWS2	2744201	4133013.62	20098137.35
ANDREWS3	2751701	4075341.60	20023780.13
BAILEY1	1043707	4096906.53	20790090.92
BAILEY2	1049801	4028543.99	20755921.39
BORDEN1	2812103	4432587.56	20280676.80
BRISCOE1	1121801	4490034.68	20924412.34
BRISCOE2	1137601	4494481.77	20853670.96
BRISCOE3	1137701	4480884.20	20832578.24
CASTRO1	1031701	4253131.03	20890595.60
CASTRO2	1038401	4208299.29	20848326.49
CASTRO3	1047101	4247580.17	20822922.64
COCHRAN1	2410702	4050544.96	20622511.52
COCHRAN2	2417301	4037974.81	20597035.28
COCHRAN3	2419201	4100515.60	20597782.14
COCHRAN4	2418101	4050265.001	20598828.43
CROSBY1	2312902	4463317.10	20605637.39
CROSBY2	2321502	4484910.85	20573575.80
CROSBY3	2328202	4452393.40	20547193.30
CROSBY4	2330103	4513456.675	20539510.7
CURRY1	342736103203701	3914051.53	20870087.99
CURRY2	342140103190501	3920413.12	20833972.53
CURRY3	342059103052201	3989482.84	20827709.58
DAWSON1	2802702	4349389.98	20296887.27
DAWSON2	2809901	4338417.61	20241370.66
DAWSON3	2724702	4279696.94	20193831.08
DAWSON4	2707901	4260900	20298678
DAWSON5	2826206	4358922	20178429
DEAFSMITH1	1007403	4257942.46	21031823.64
DEAFSMITH2	1014704	4220354.00	20978161.94
DICKENS1	2316912	4611569.84	20597895.30
FLOYD1	1145902	4496281.90	20784336.69
FLOYD2	1153702	4475863.26	20749888.19
FLOYD3	1161801	4486416.36	20703593.45
FLOYD4	2304602	4457513.08	20668896.60
FLOYD5	1161407	4478435.862	20708980.47
GAINES1	325435103035001	3982648.90	20303015.94
GAINES2	2624307	3988041.65	20236028.94
GAINES3	2719601	4111466.79	20221121.46
GARZA1	2344904	4454058.42	20419104.22
GARZA2	2360801	4445065.68	20333172.58
GLASSCOCK1	2858301	4380174.94	19994188.07
GLASSCOCK2	2860402	4422010.72	19988593.48
HALE1	1149101	4321156.00	20780757.27
HALE2	1151102	4396539.39	20778578.02

Table D-1. Well Locations
Page 2 of 2

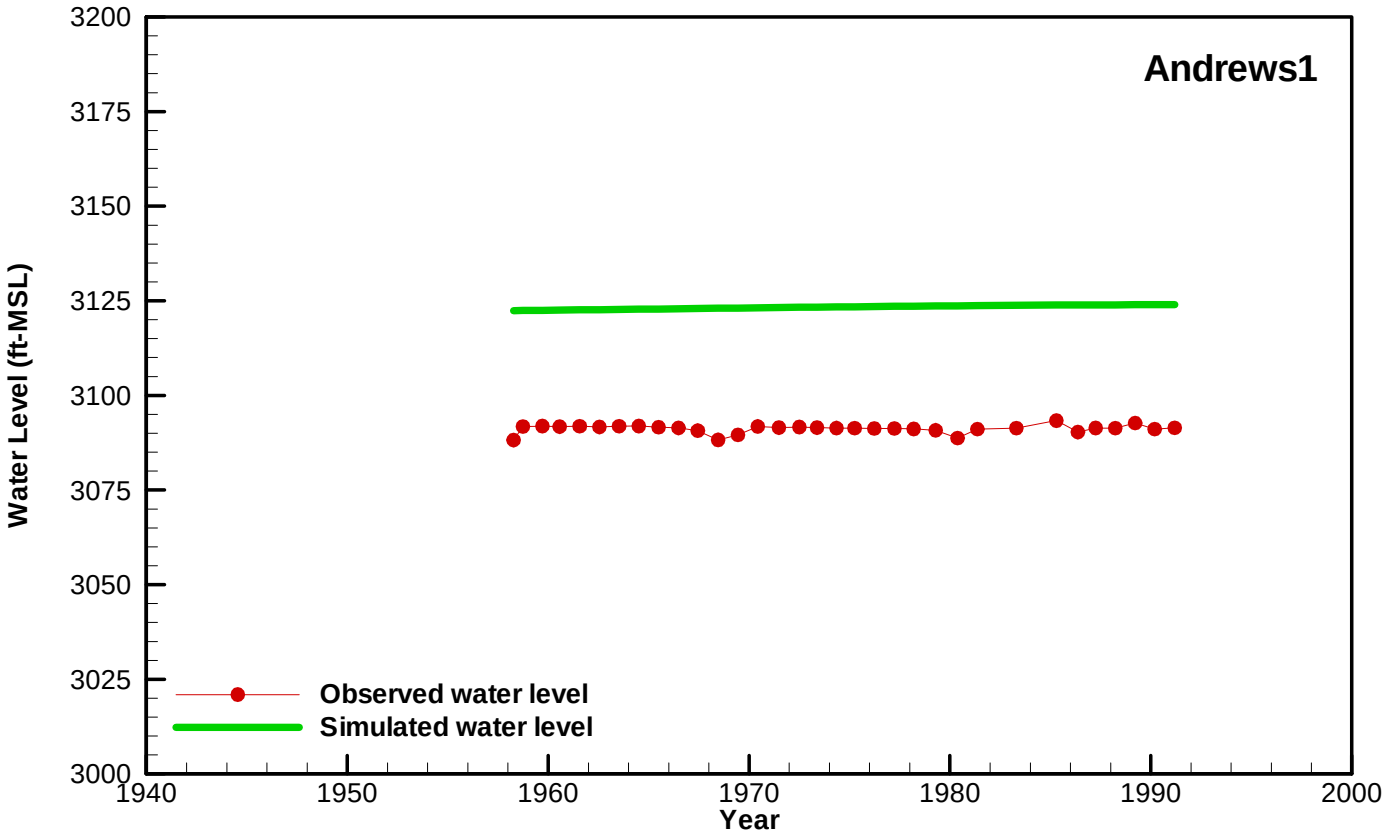
Name	Well ID	X-Coordinate	Y-Coordinate
HALE3	1160401	4431650.61	20717610.15
HALE4	1151403	4399199.536	20761306.13
HOCKLEY1	2415504	4262136.77	20620825.59
HOCKLEY2	2424402	4279348.81	20582848.26
HOCKLEY3	2431601	4274274.16	20541727.70
LAMB1	1044401	4135509.78	20808177.93
LAMB2	1055204	4266898.33	20781848.48
LAMB3	2407301	4277001.63	20688348.37
LAMB4	2406902	4233110.83	20652892.21
LAMB5	1053602	4195280.898	20756914.4
LEA1	331315103121501	3942962.99	20417571.69
LEA2	330640103200501	3901926.92	20378786.14
LEA3	330615103120501	3942588.62	20375069.27
LEA4	324745103082001	3958502.08	20262160.34
LUBBOCK1	2317801	4326383.19	20558805.86
LUBBOCK2	2440201	4297100.77	20506163.37
LUBBOCK3	2334801	4369821.60	20472713.22
LUBBOCK4	2325304	4344096.97	20543920.14
LUBBOCK5	2335706	4399079.298	20476402.39
LYNN1	2358802	4367780.98	20332925.80
MARTIN1	2748602	4293982.91	20083165.95
MARTIN2	2739903	4259729.408	20105689.38
MIDLAND1	2764901	4293030.03	19965706.41
OLDHAM1	751601	4127901.53	21133994.17
OLDHAM2	755501	4263992.75	21129589.64
PARMER1	1026301	4084857.98	20915230.69
PARMER2	1027901	4120326.66	20888570.57
PARMER3	1035401	4094885.36	20849923.87
PARMER4	948301	4014049.37	20828963.65
POTTER1	756501	4305150.83	21132728.06
RANDALL1	763601	4283251.28	21078835.35
RANDALL2	1109601	4358426.29	20985658.08
ROOSEVELT1	341445103310001	3859447.17	20793733.46
ROOSEVELT2	340842103123101	3951380.75	20754207.50
ROOSEVELT3	334905103071001	3974980.21	20634397.03
SWISHER1	1117501	4344278.05	20938382.60
SWISHER2	1126501	4377181.37	20902614.23
SWISHER3	1134601	4391479.50	20846042.98
TERRY1	2447202	4254567.38	20451211.87
TERRY2	2445901	4185937.28	20427740.73
TERRY3	2454901	4222271.07	20376336.29
YOAKUM1	2556201	3988154.13	20415782.85
YOAKUM2	2457301	4037313.88	20375268.62
YOAKUM3	2457601	4040806.32	20351989.58
YOAKUM4	2702301	4067382.065	20320938.14

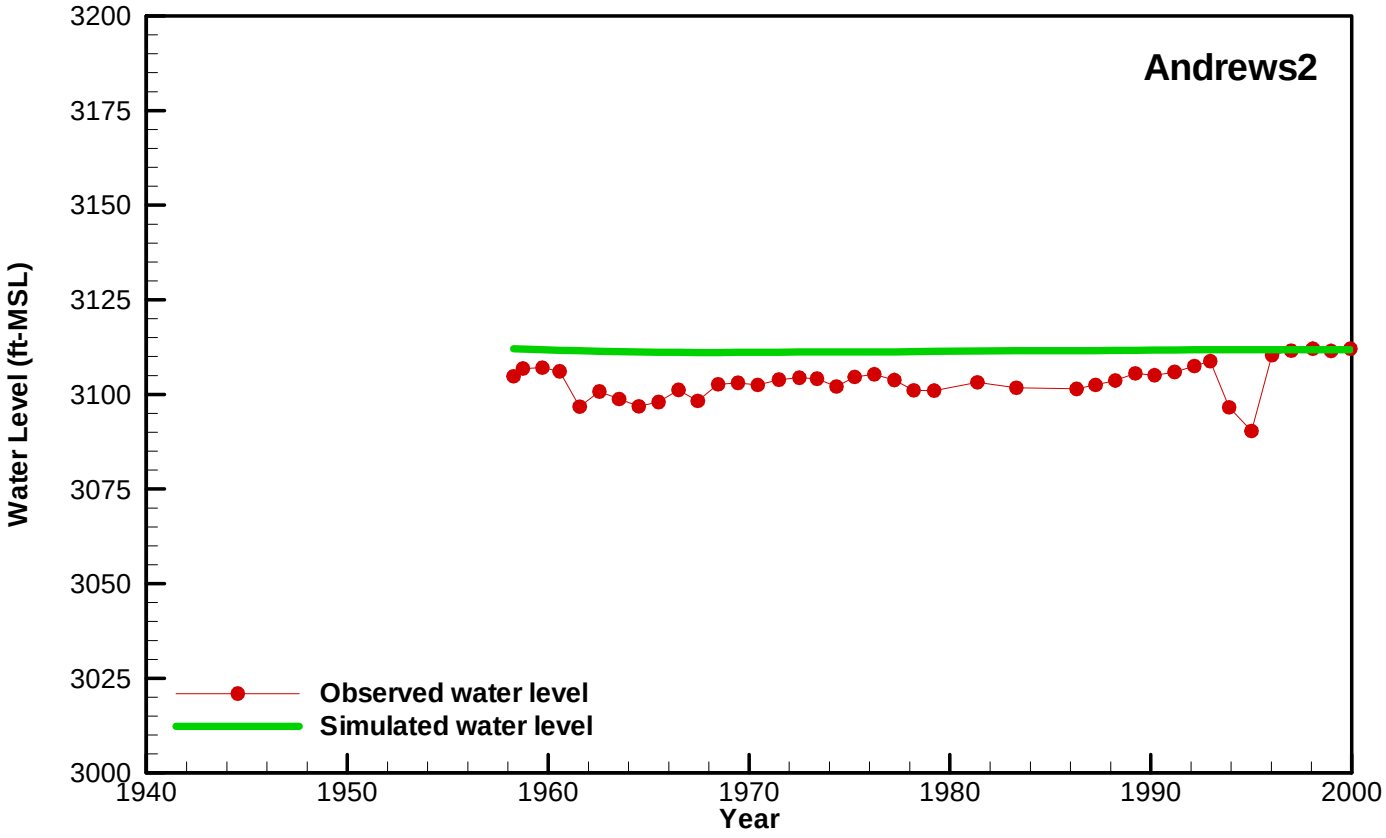
Table D-2. Root Mean Squared Error for Each Hydrograph for the Transient Model Calibration

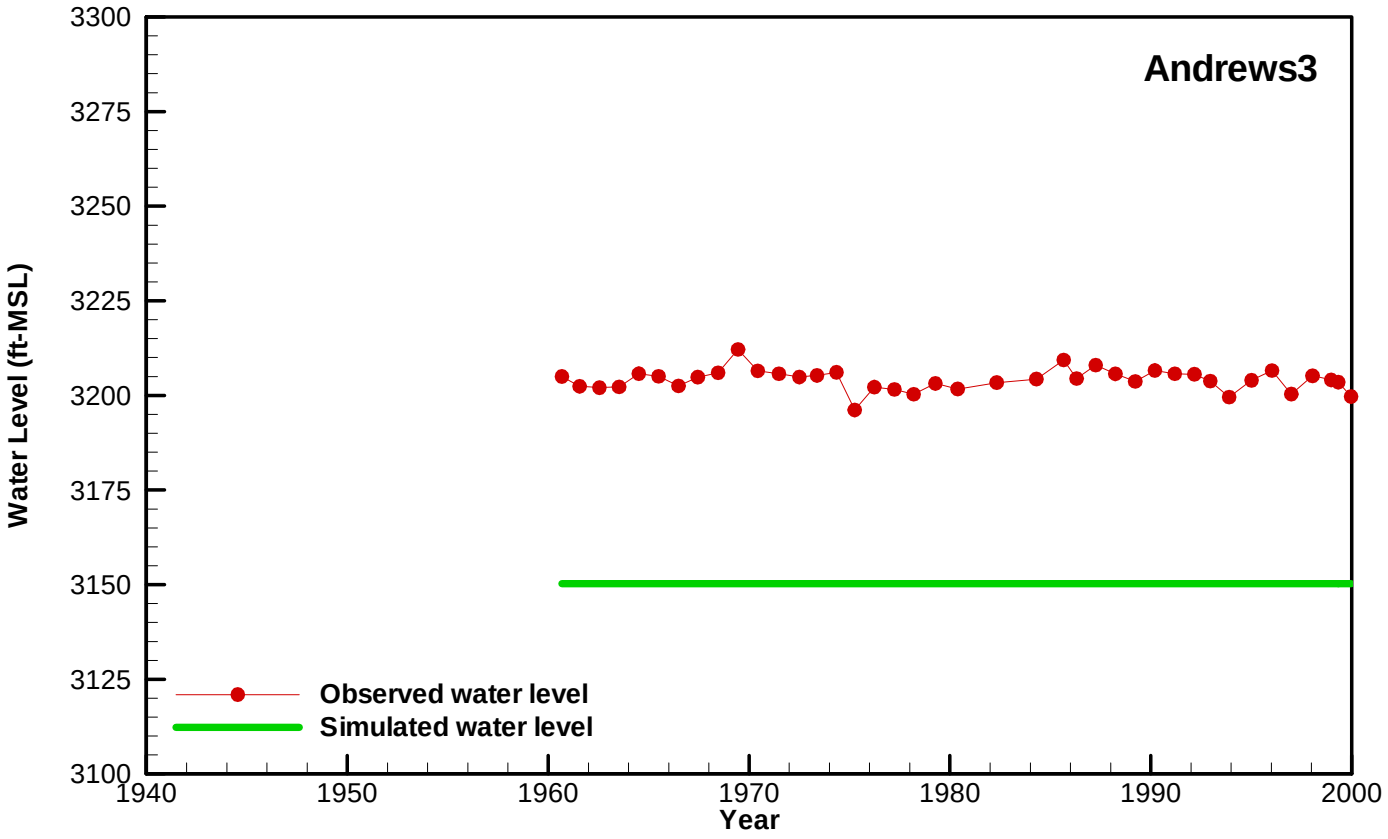
Well	$RMSE_{hyd}$ (feet)
ANDREWS1	2.4
ANDREWS2	4.5
ANDREWS3	2.9
BAILEY1	53.1
BAILEY2	2.0
BORDEN1	5.0
BRISCOE1	12.0
BRISCOE2	3.8
BRISCOE3	27.2
CASTRO1	62.1
CASTRO2	5.7
CASTRO3	10.7
COCHRAN1	5.0
COCHRAN2	11.2
COCHRAN3	20.5
COCHRAN4	8.8
CROSBY1	69.4
CROSBY2	95.7
CROSBY3	24.0
CROSBY4	19.3
CURRY1	6.3
CURRY2	13.1
CURRY3	36.8
DAWSON1	3.4
DAWSON2	21.4
DAWSON3	3.6
DAWSON4	29.4
DAWSON5	12.6
DEAFSMITH1	7.7
DEAFSMITH2	18.7
DICKENS1	12.1
FLOYD1	19.2
FLOYD2	63.7
FLOYD3	89.4
FLOYD4	63.7
FLOYD5	25.2
GAINES1	20.3
GAINES2	15.3
GAINES3	13.9
GARZA1	10.9
GARZA2	6.6
GLASSCOCK1	17.5
GLASSCOCK2	18.2
HALE1	13.9
HALE2	21.3

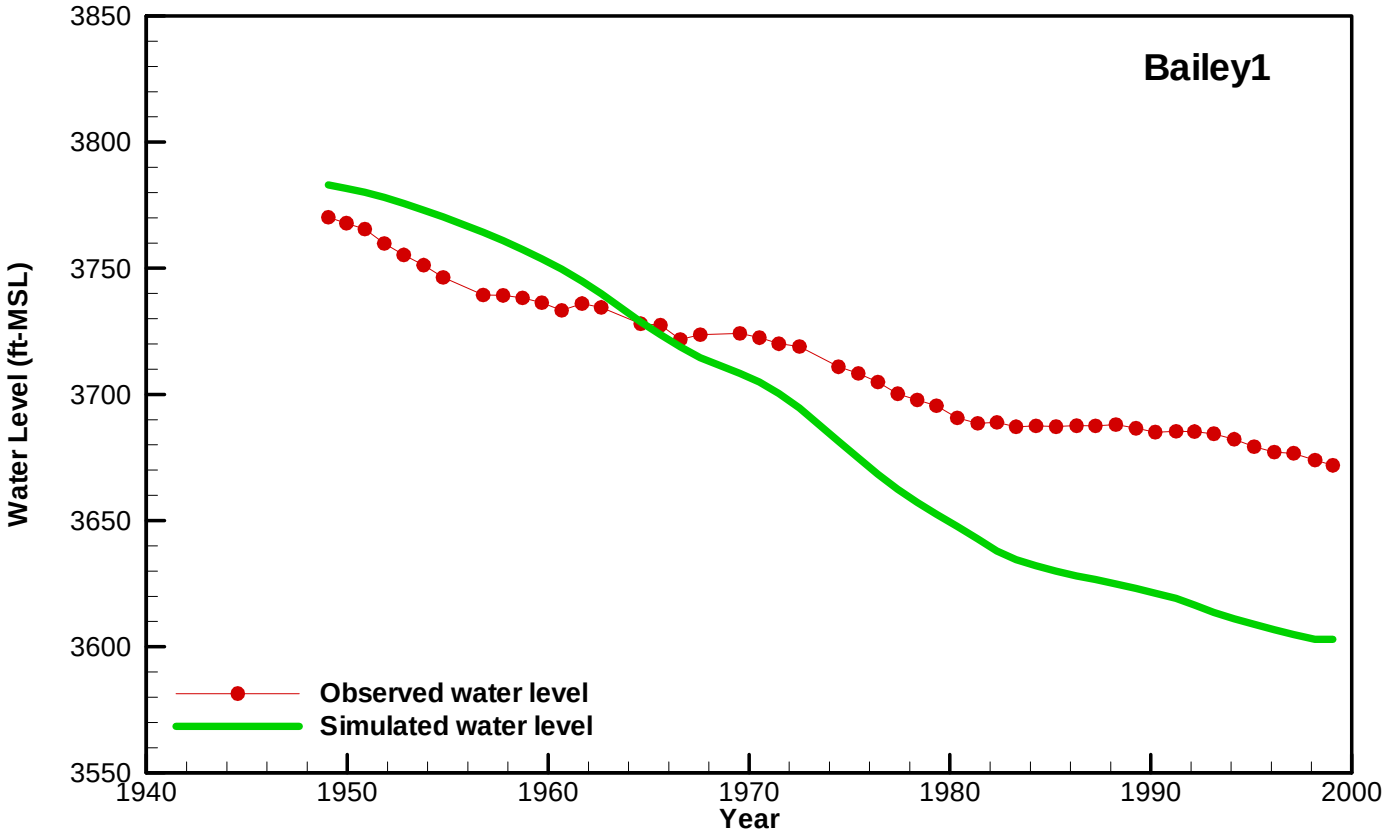
Table D-2. Root Mean Squared Error for Each Hydrograph for the Transient Model Calibration

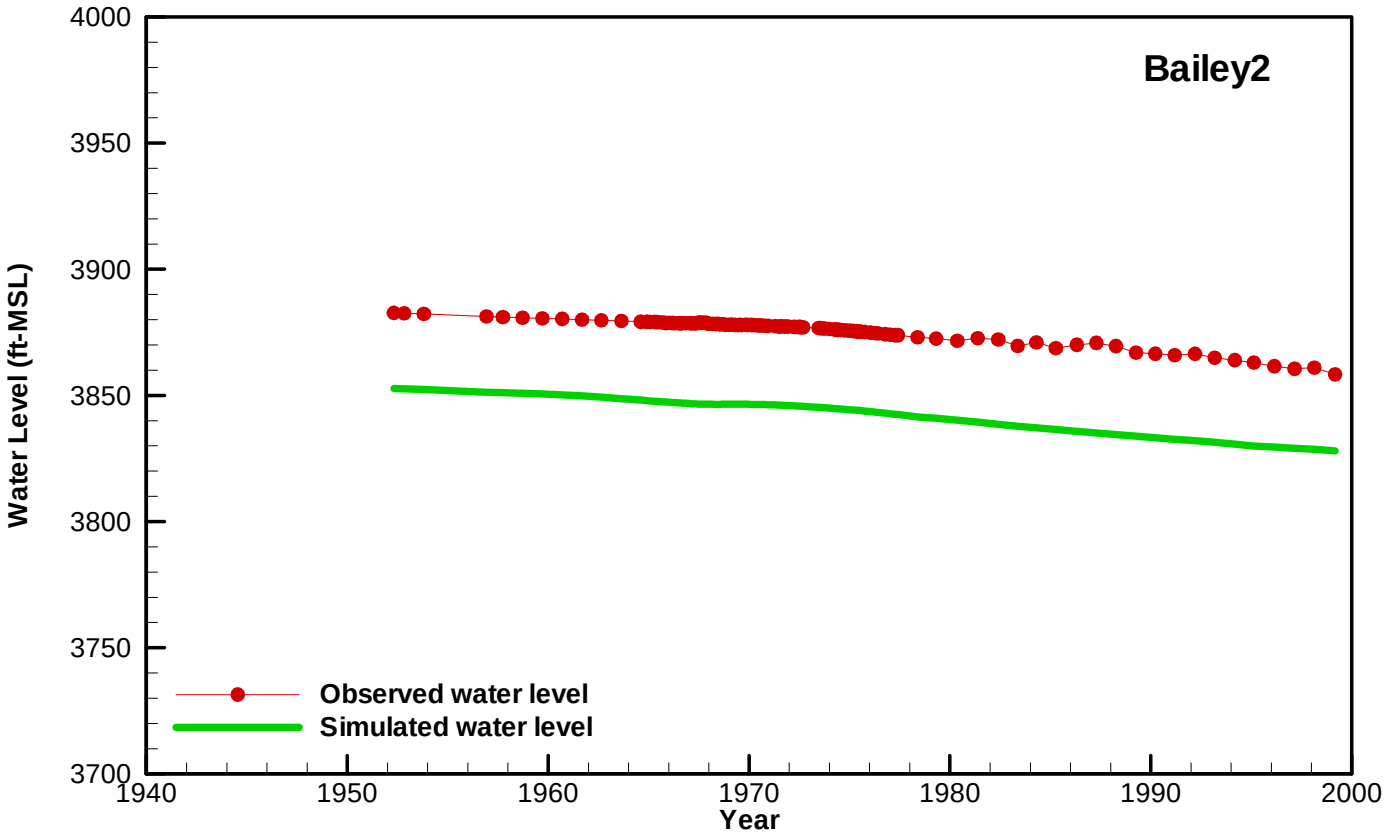
Well	$RMSE_{hyd}$ (feet)
HALE3	21.8
HALE4	15.9
HOCKLEY1	13.8
HOCKLEY2	28.9
HOCKLEY3	12.6
LAMB1	15.5
LAMB2	38.2
LAMB3	33.1
LAMB4	15.9
LAMB5	13.4
LEA1	2.3
LEA2	21.6
LEA3	10.3
LEA4	5.3
LUBBOCK1	14.4
LUBBOCK2	15.9
LUBBOCK3	21.8
LUBBOCK4	78.1
LUBBOCK5	4.5
LYNN1	6.2
MARTIN1	20.5
MARTIN2	21.9
MIDLAND1	9.2
OLDHAM1	2.9
OLDHAM2	17.5
PARMER1	49.3
PARMER2	13.2
PARMER3	3.8
PARMER4	11.2
POTTER1	31.9
RANDALL1	12.7
RANDALL2	39.9
ROOSEVELT1	21.2
ROOSEVELT2	11.3
ROOSEVELT3	8.3
SWISHER1	18.2
SWISHER2	39.4
SWISHER3	17.6
TERRY1	14.8
TERRY2	6.0
TERRY3	10.1
YOAKUM1	17.2
YOAKUM2	7.6
YOAKUM3	5.9
YOAKUM4	4.2

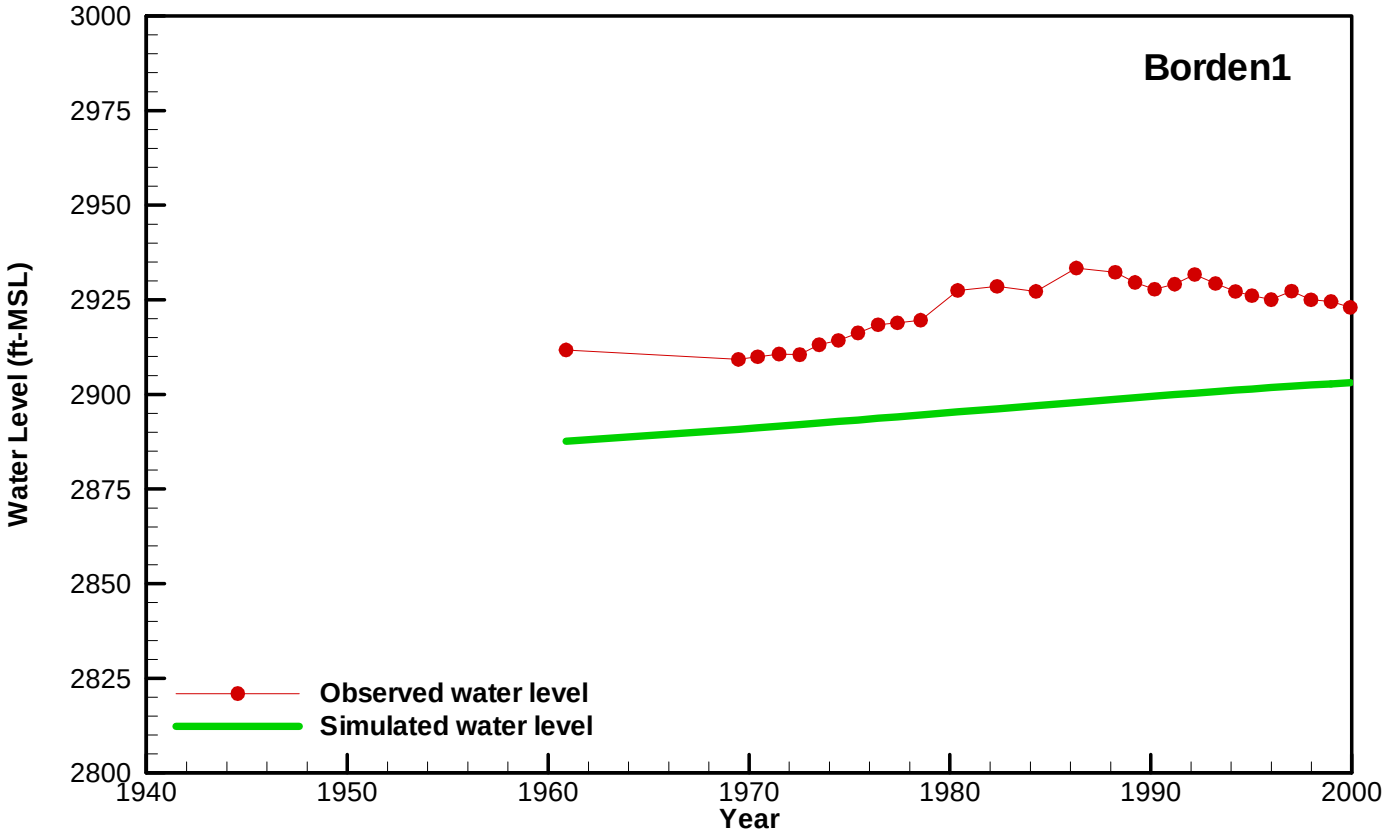

Andrews1
Water Level (ft-MSL)
3200
3175
3150
3125
3100
3075
3050
3025
3000
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

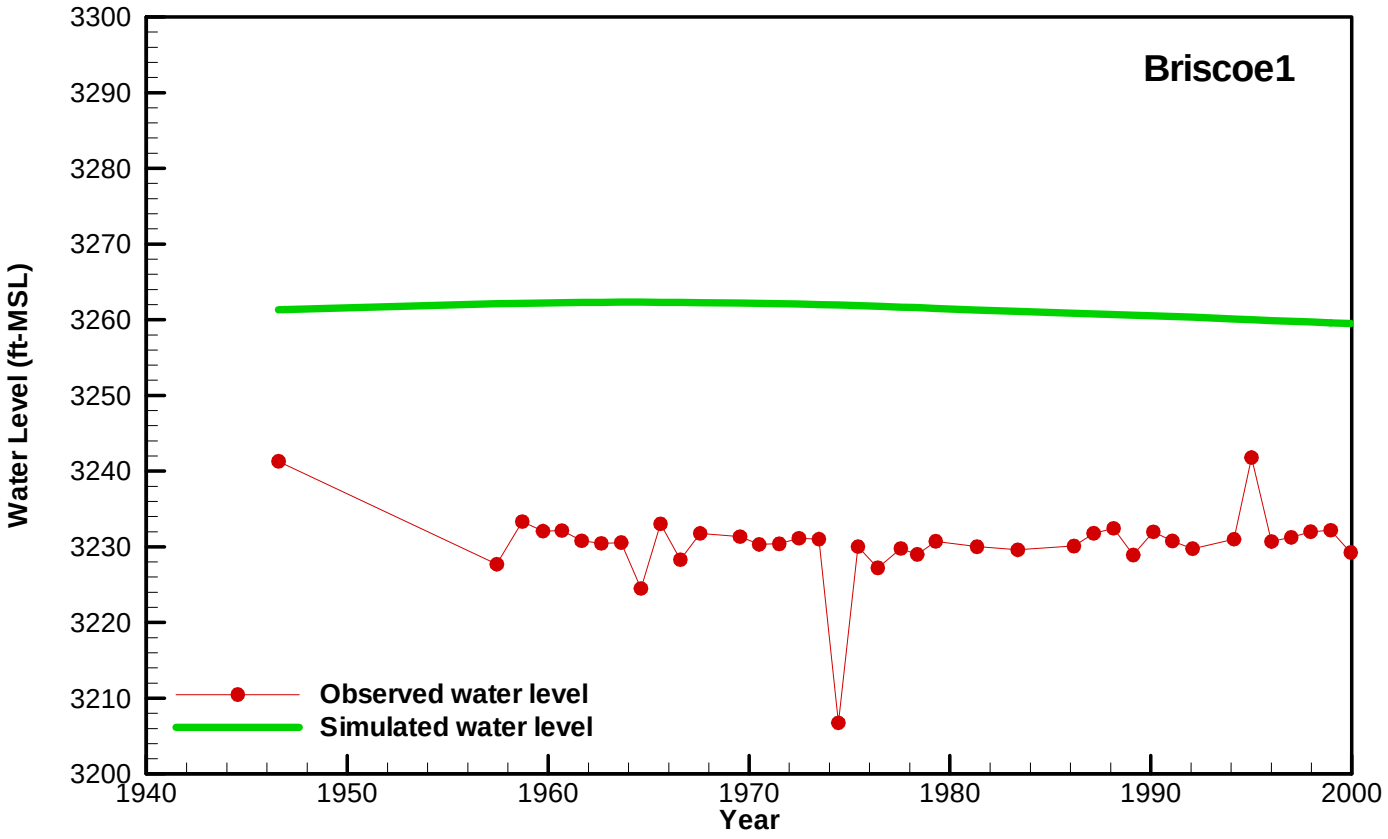

Andrews2
Water Level (ft-MSL)
3200
3175
3150
3125
3100
3075
3050
3025
3000
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

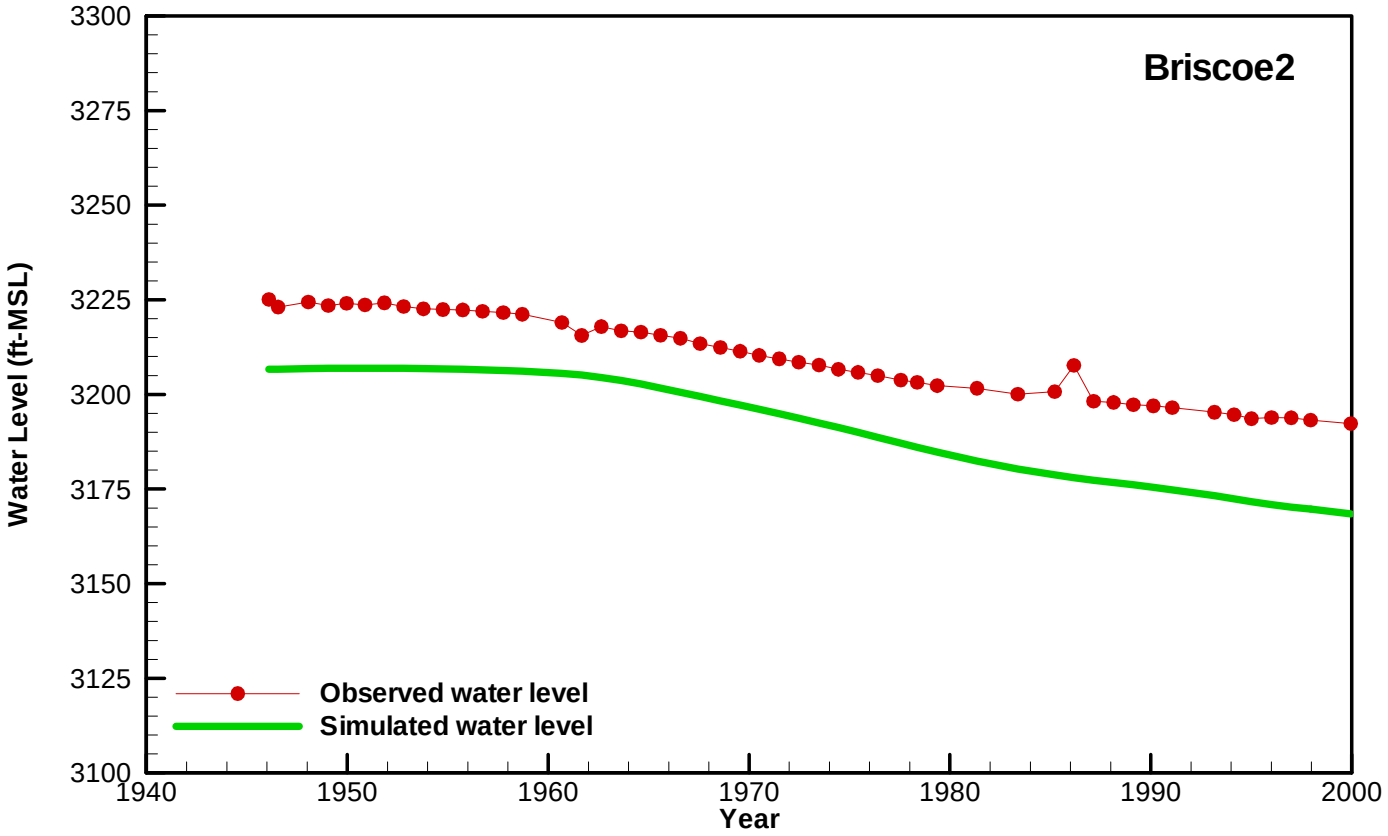

Andrews3
Water Level (ft-MSL)
3300
3275
3250
3225
3200
3175
3150
3125
3100
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

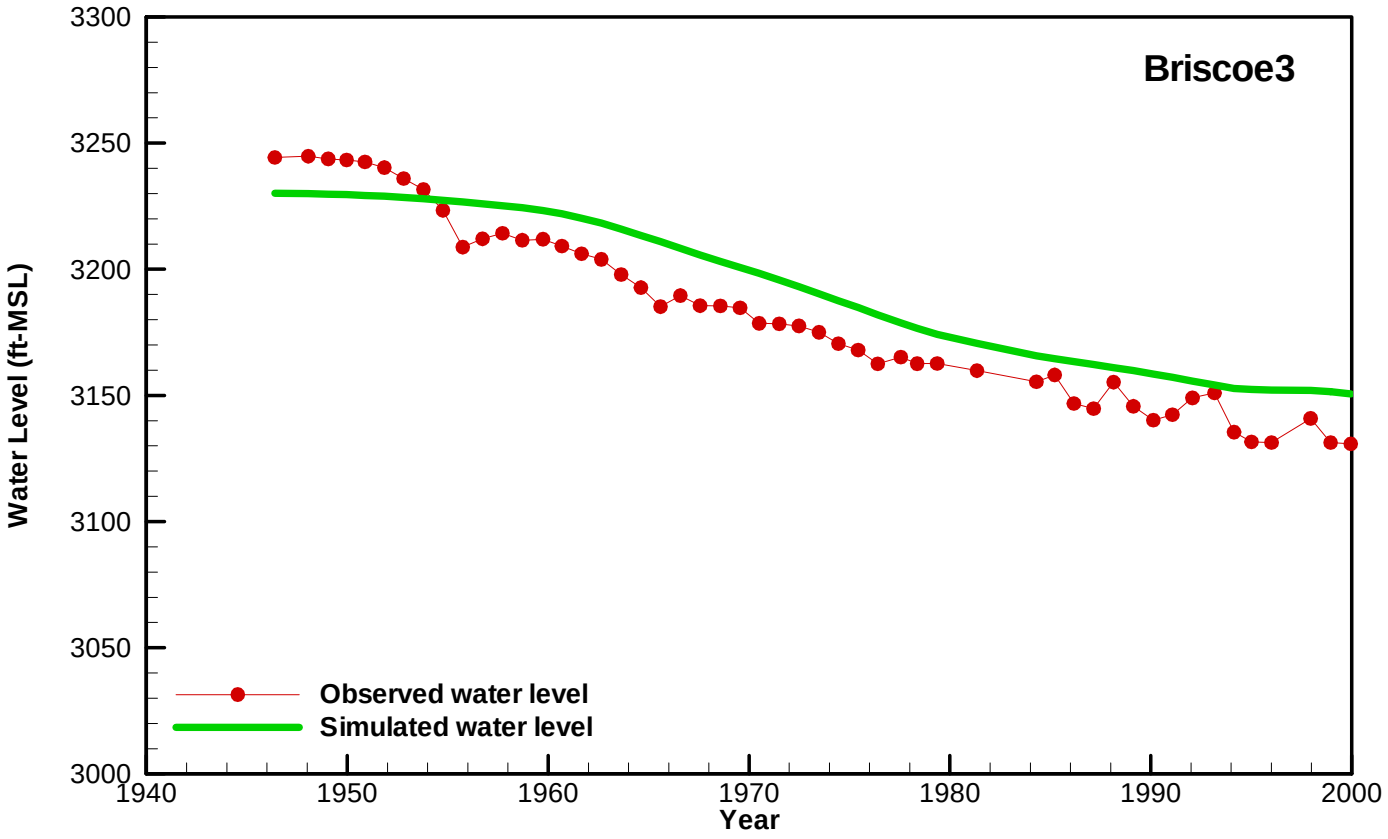

Bailey1
Water Level (ft-MSL)
3850
3800
3750
3700
3650
3600
3550
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

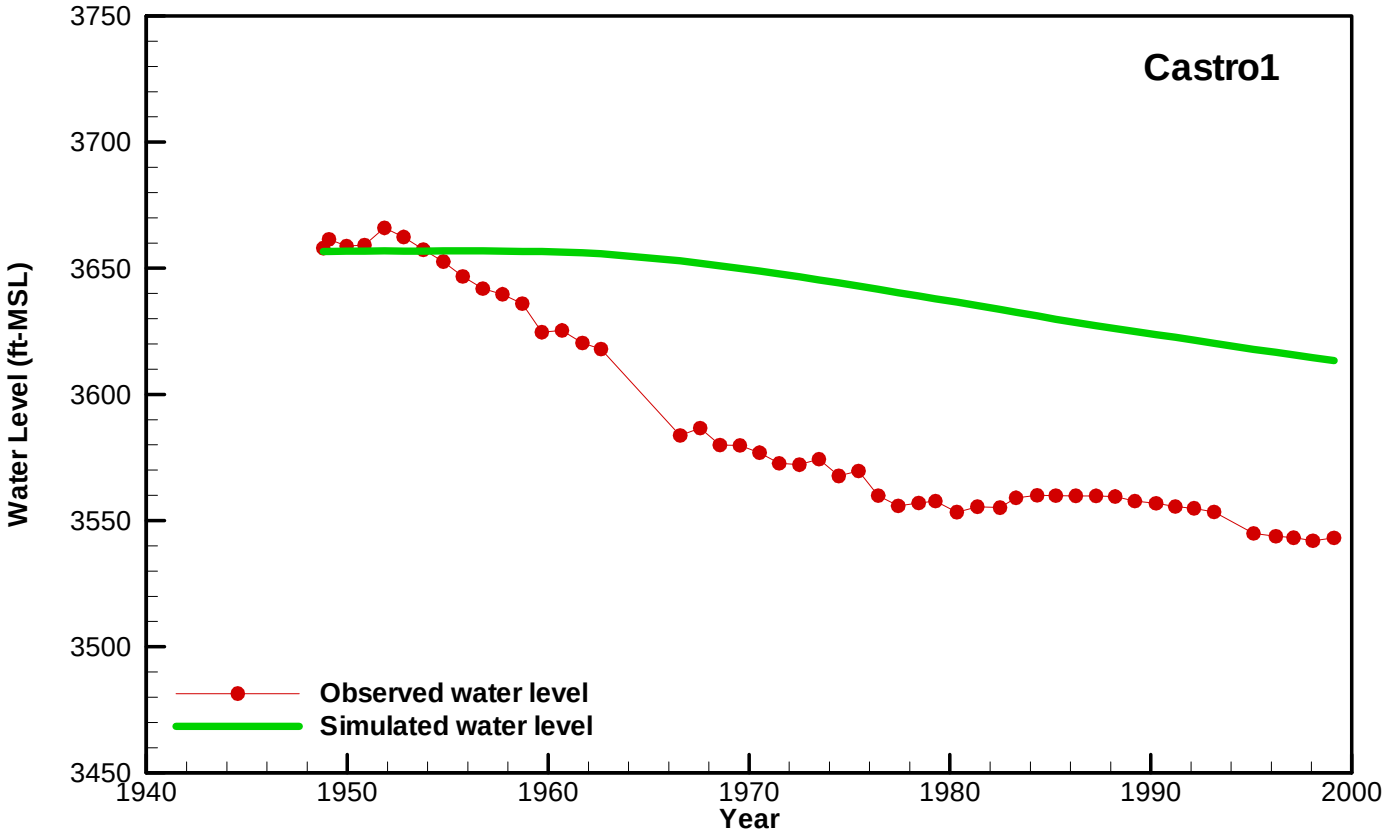

Bailey2
Water Level (ft-MSL)
4000
3950
3900
3850
3800
3750
3700
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

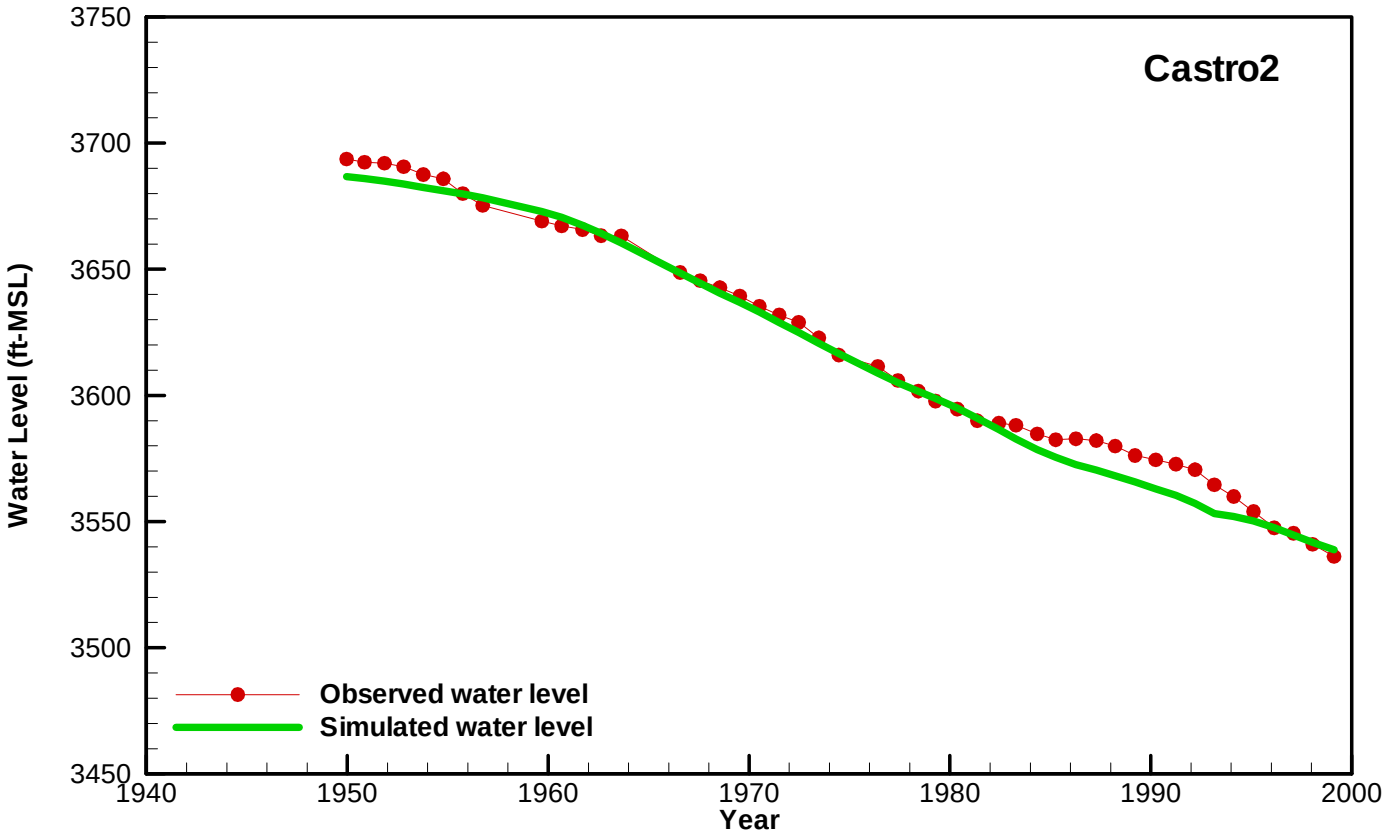

Borden1
Water Level (ft-MSL)
3000
2975
2950
2925
2900
2875
2850
2825
2800
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

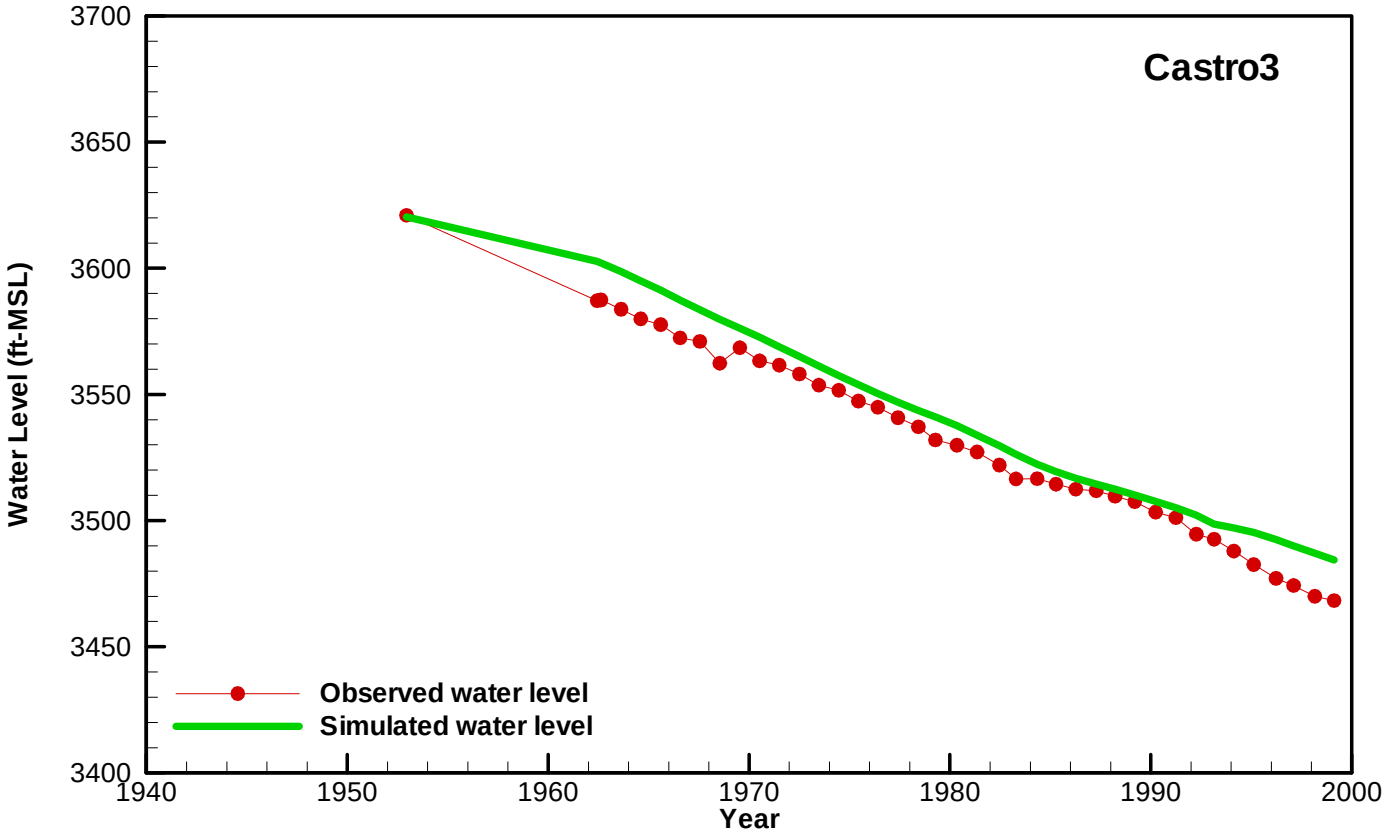

Briscoe1
Water Level (ft-MSL)
3300
3290
3280
3270
3260
3250
3240
3230
3220
3210
3200
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

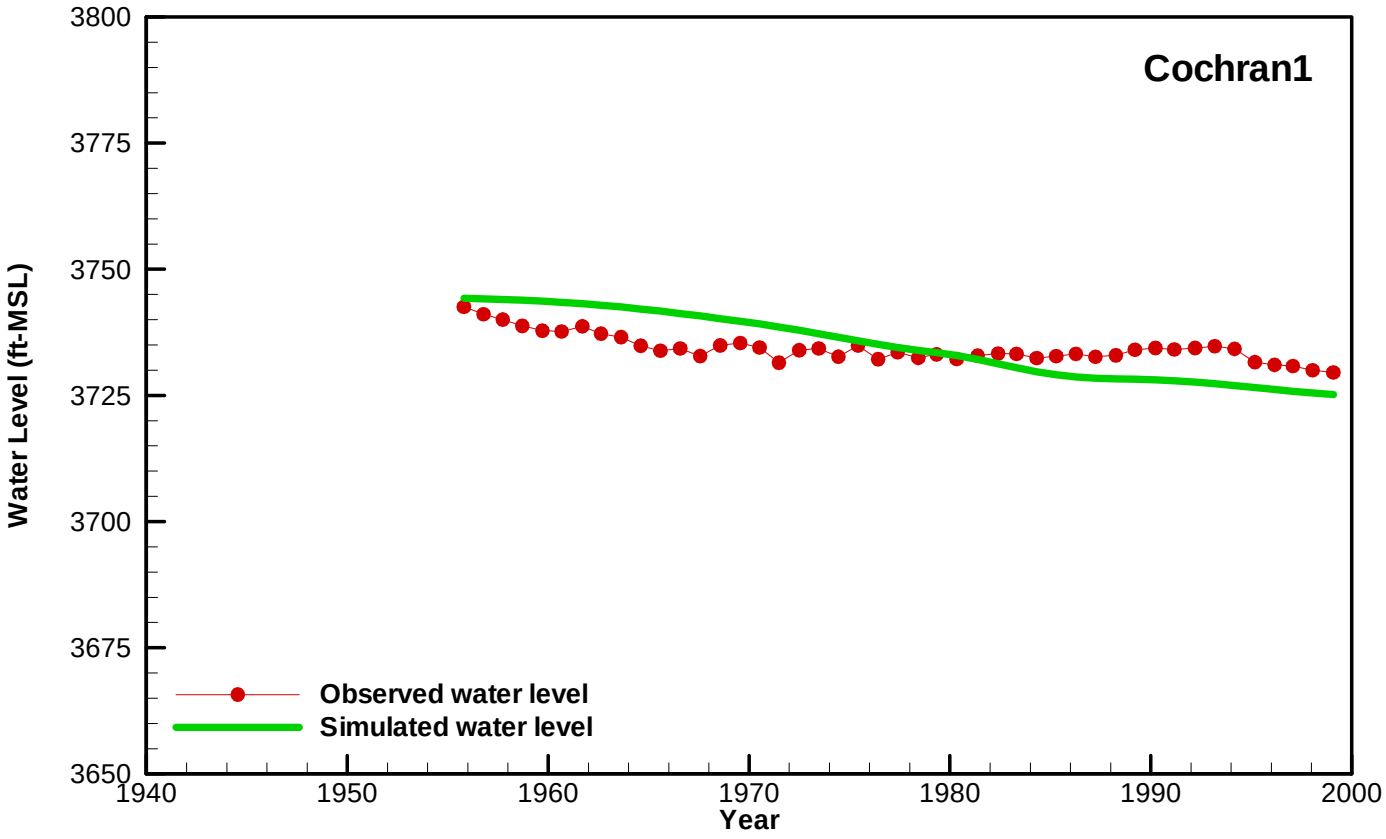

Briscoe2
Water Level (ft-MSL)
3300
3275
3250
3225
3200
3175
3150
3125
3100
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

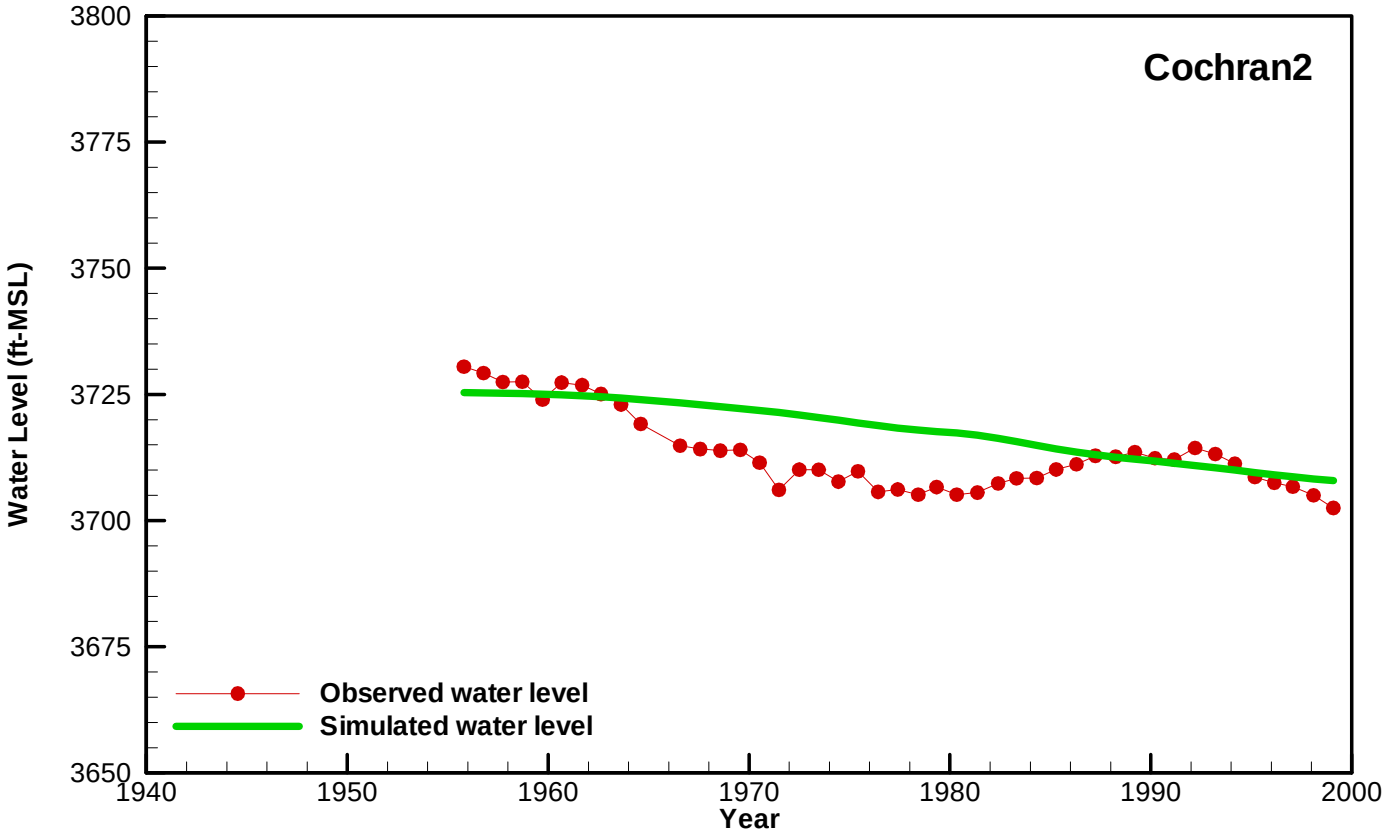

Briscoe3
Water Level (ft-MSL)
3300
3250
3200
3150
3100
3050
3000
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

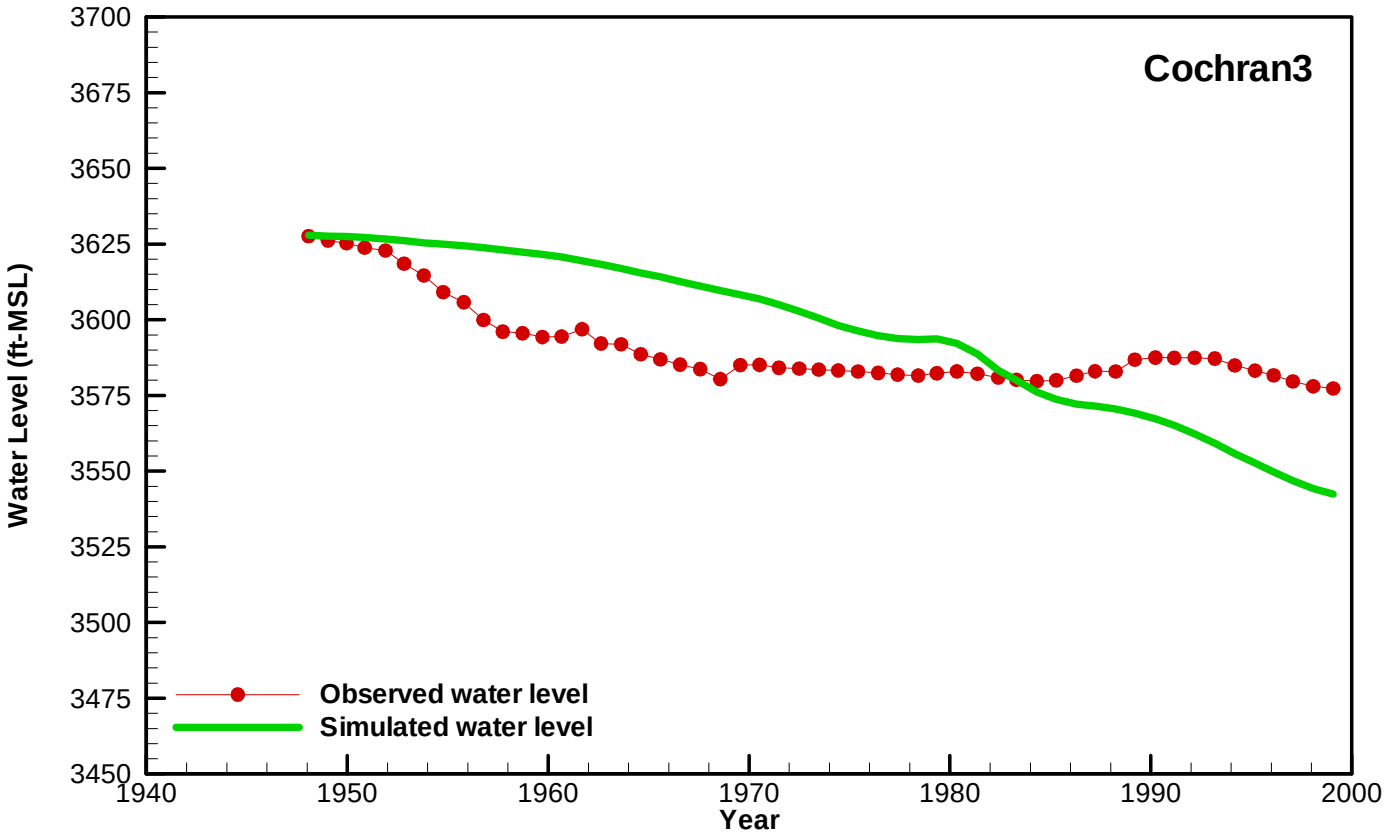

Castro1
Water Level (ft-MSL)
3750
3700
3650
3600
3550
3500
3450
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

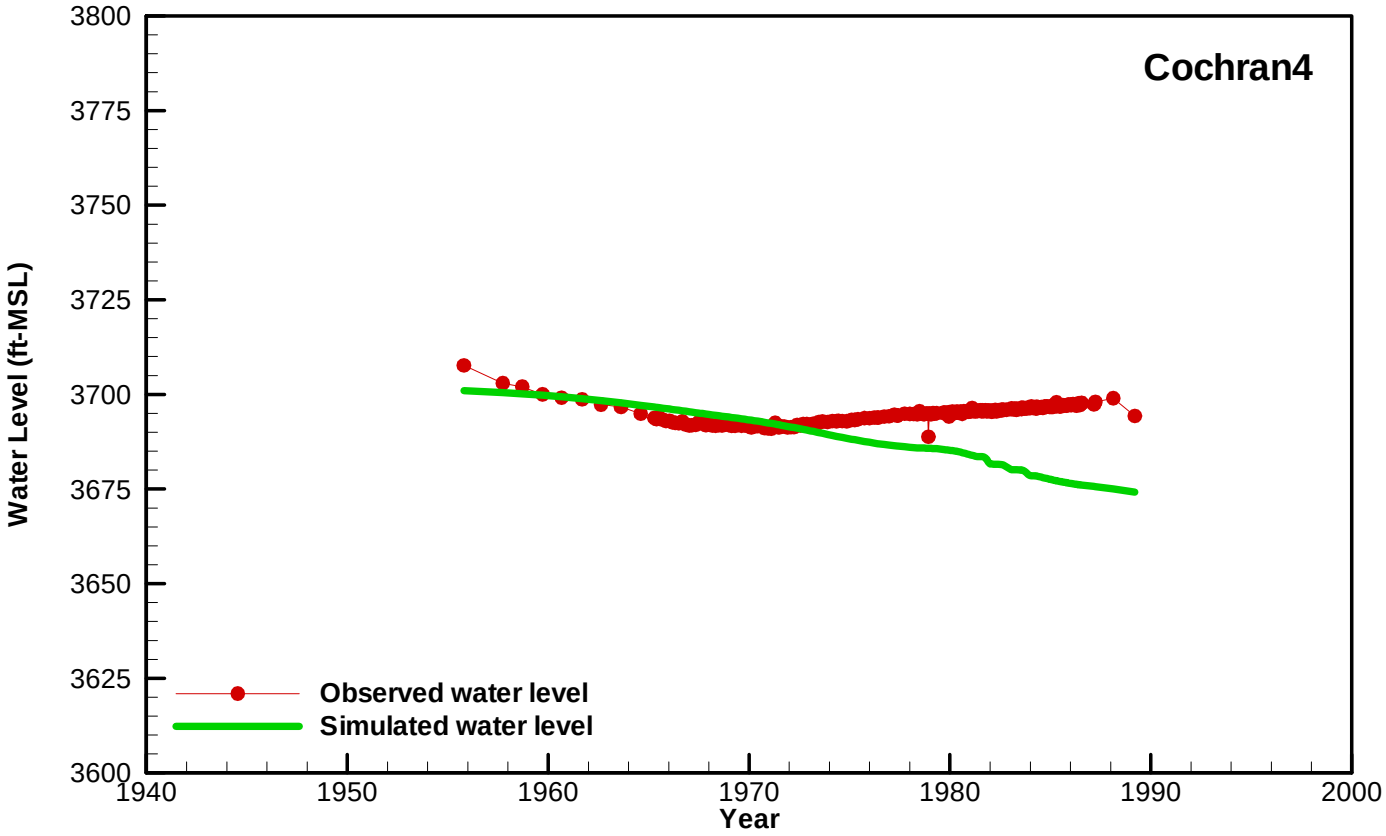

Castro2
Water Level (ft-MSL)
3750
3700
3650
3600
3550
3500
3450
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

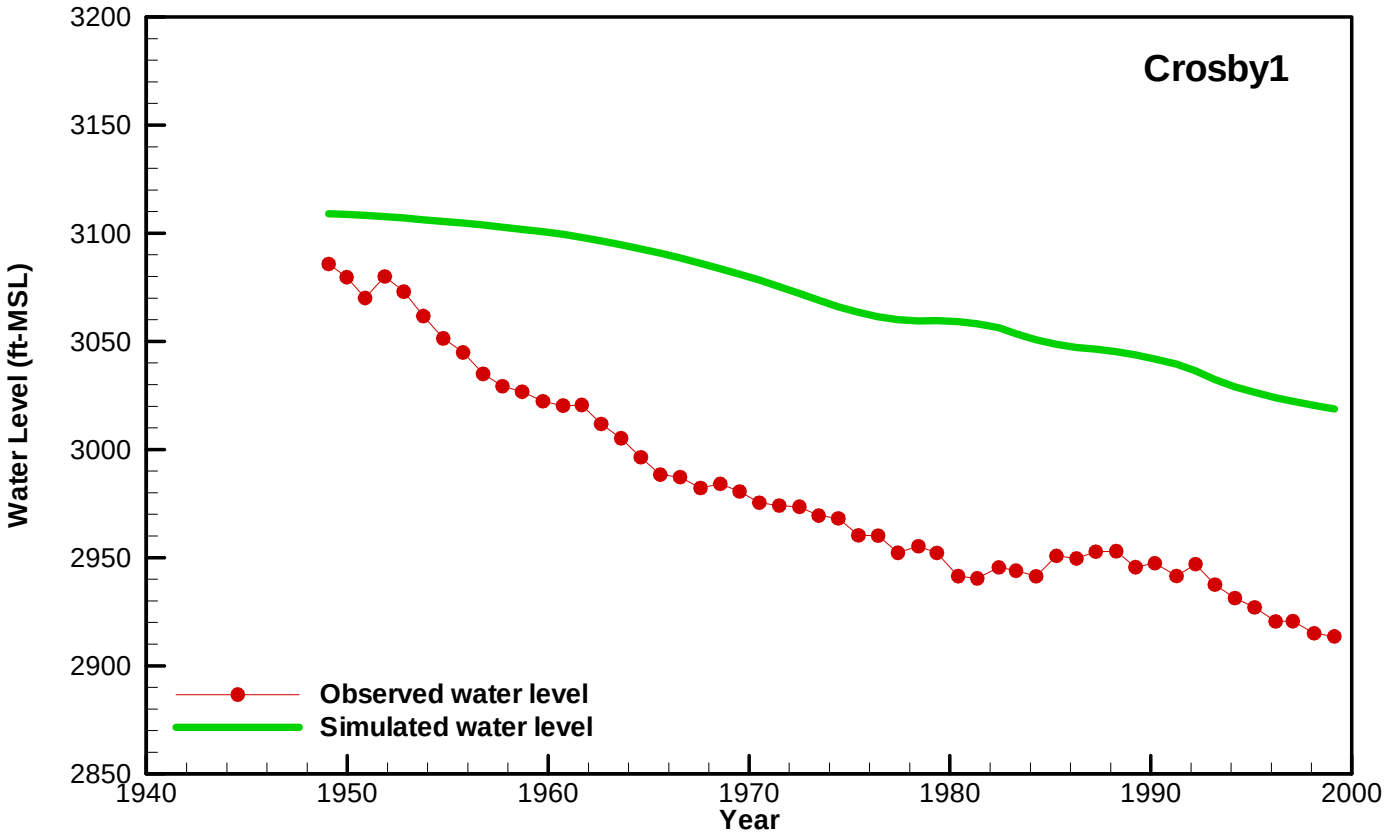

Castro3
Water Level (ft-MSL)
3700
3650
3600
3550
3500
3450
3400
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

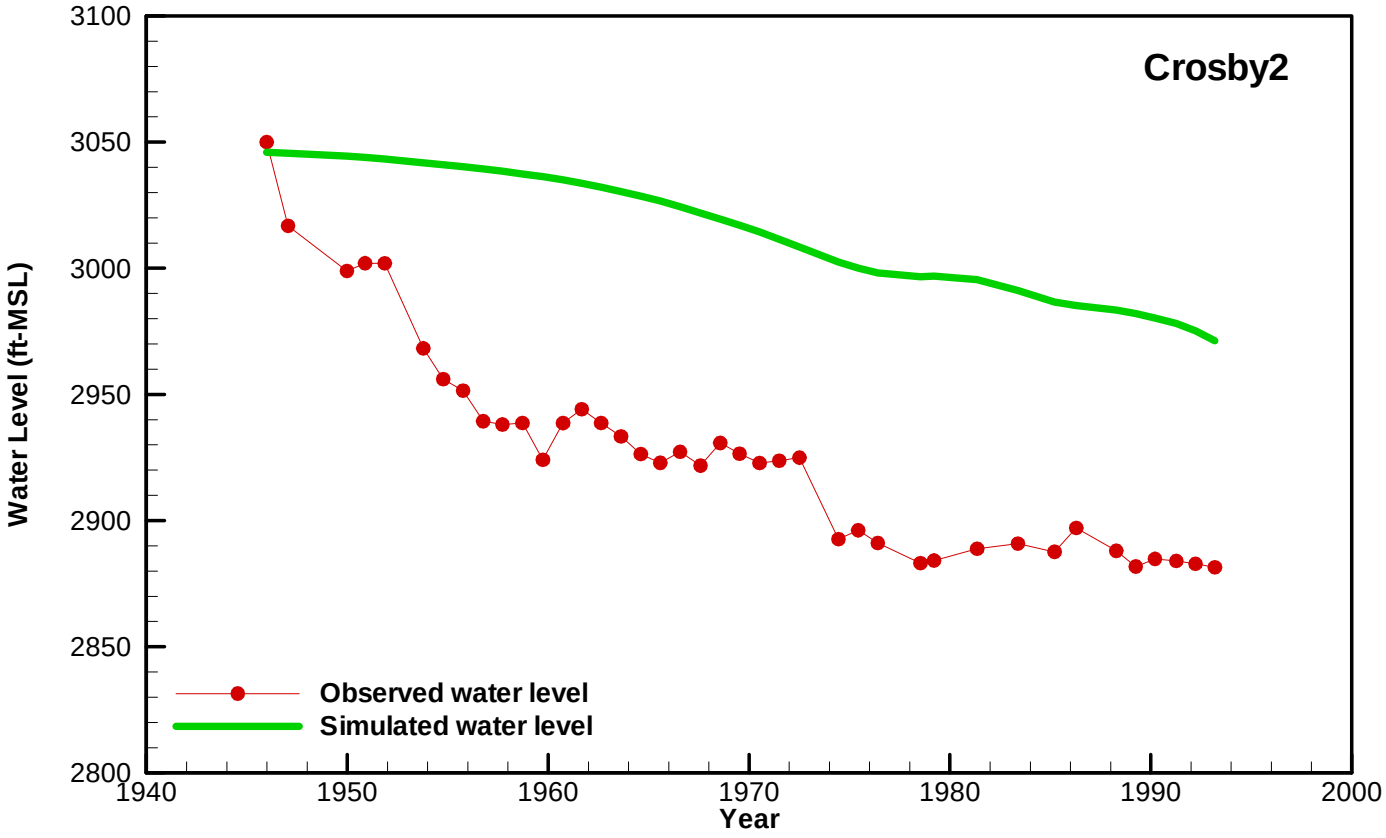

Cochran1
Water Level (ft-MSL)
3800
3775
3750
3725
3700
3675
3650
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

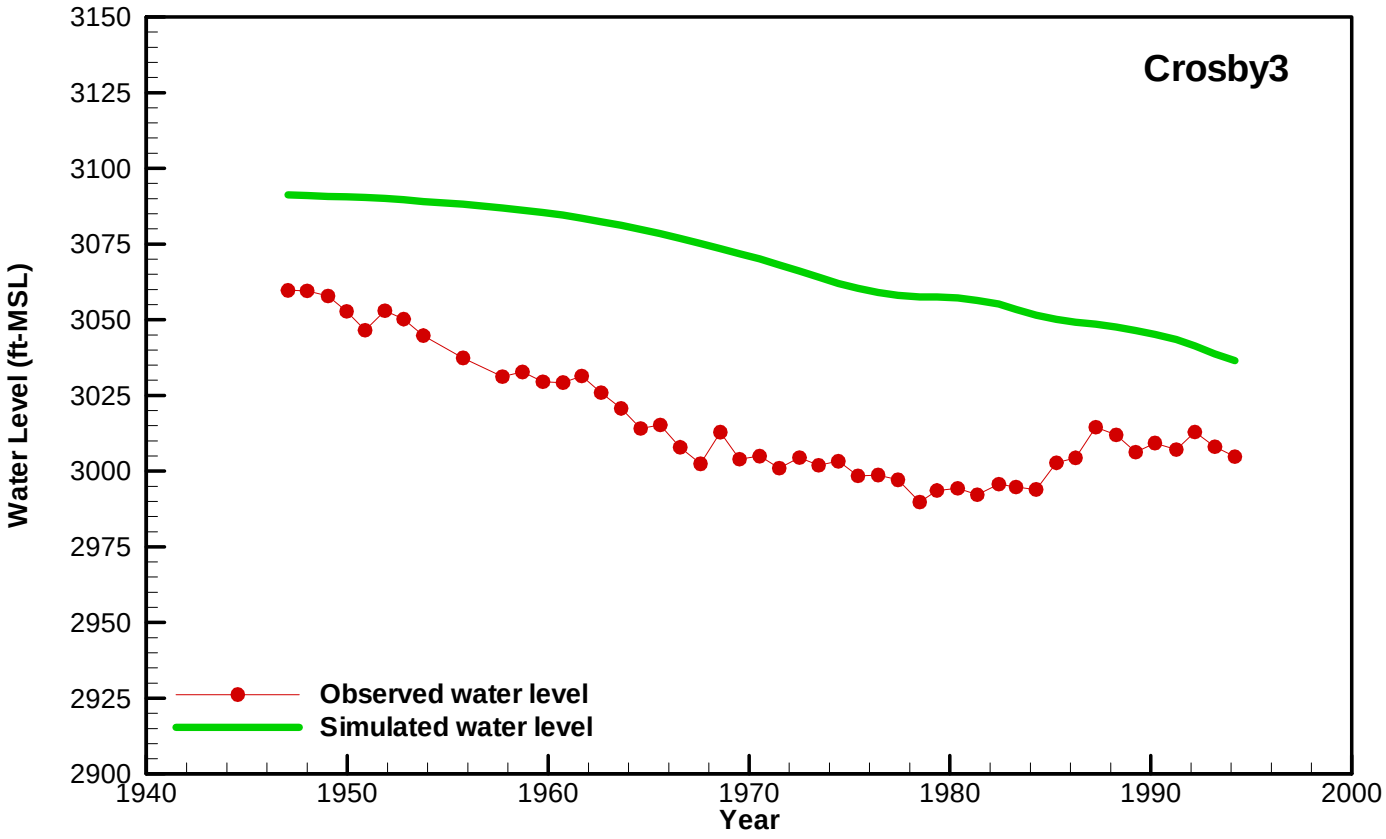

Cochran2
Water Level (ft-MSL)
3800
3775
3750
3725
3700
3675
3650
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

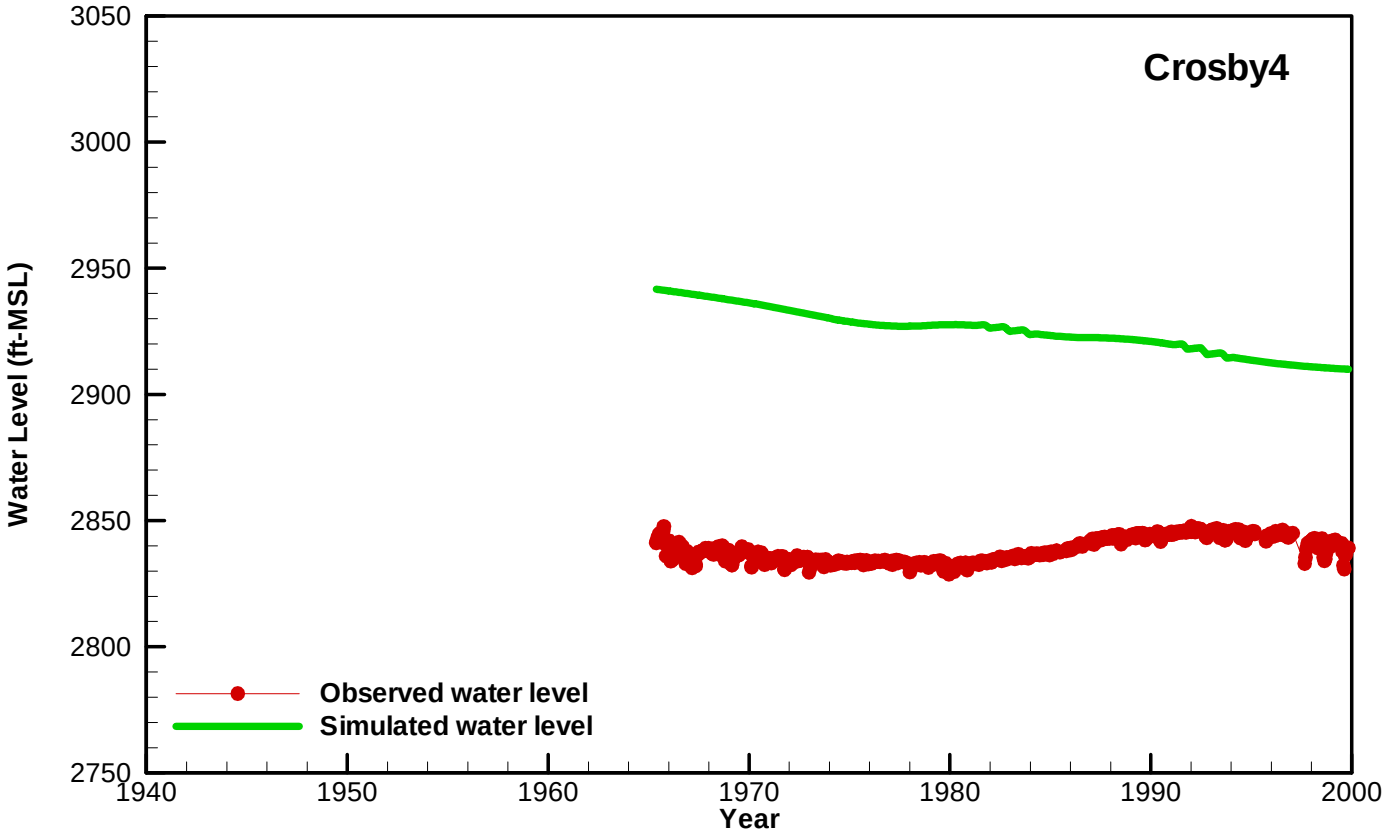

Cochran3
Water Level (ft-MSL)
3700
3675
3650
3625
3600
3575
3550
3525
3500
3475
3450
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

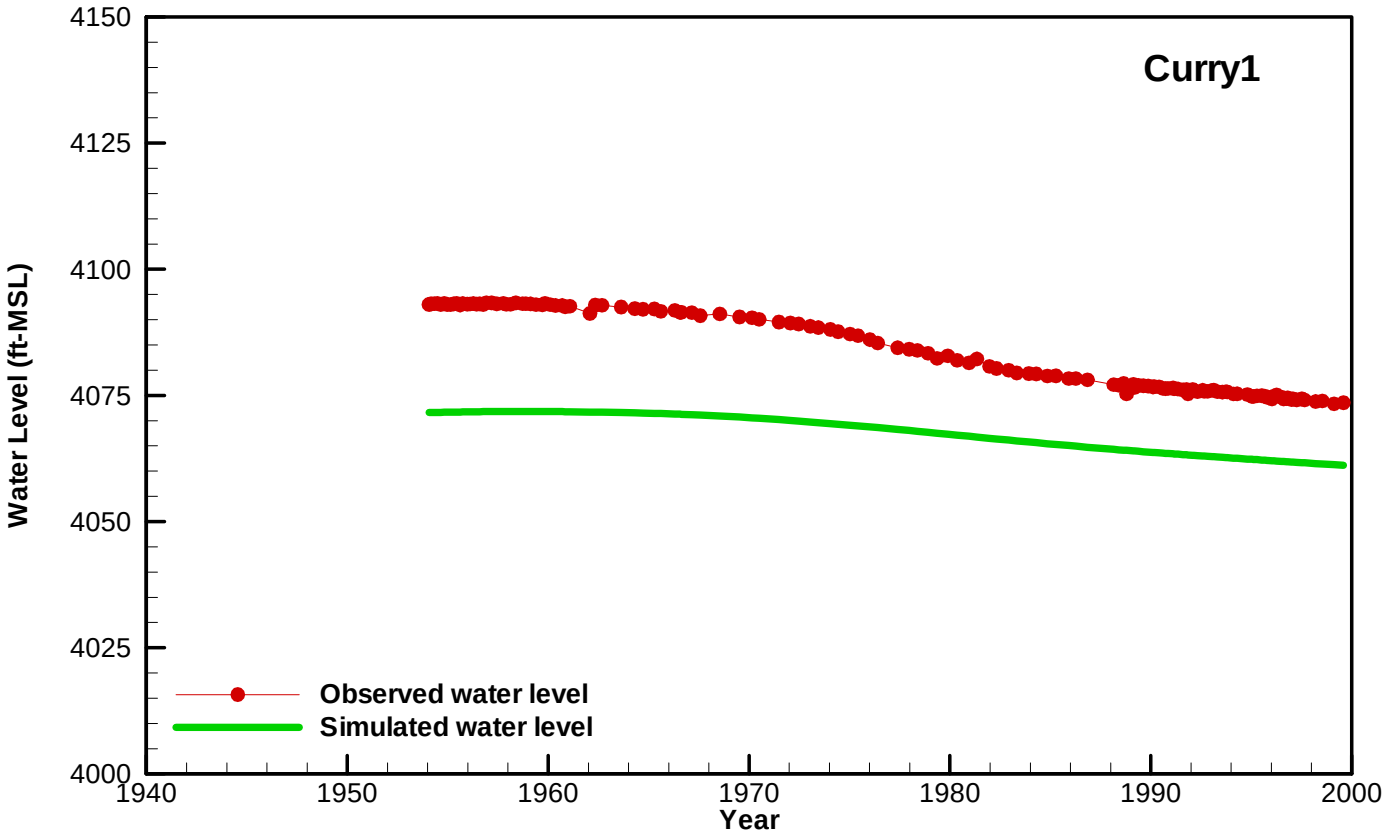

Cochran4
Water Level (ft-MSL)
3800
3775
3750
3725
3700
3675
3650
3625
3600
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

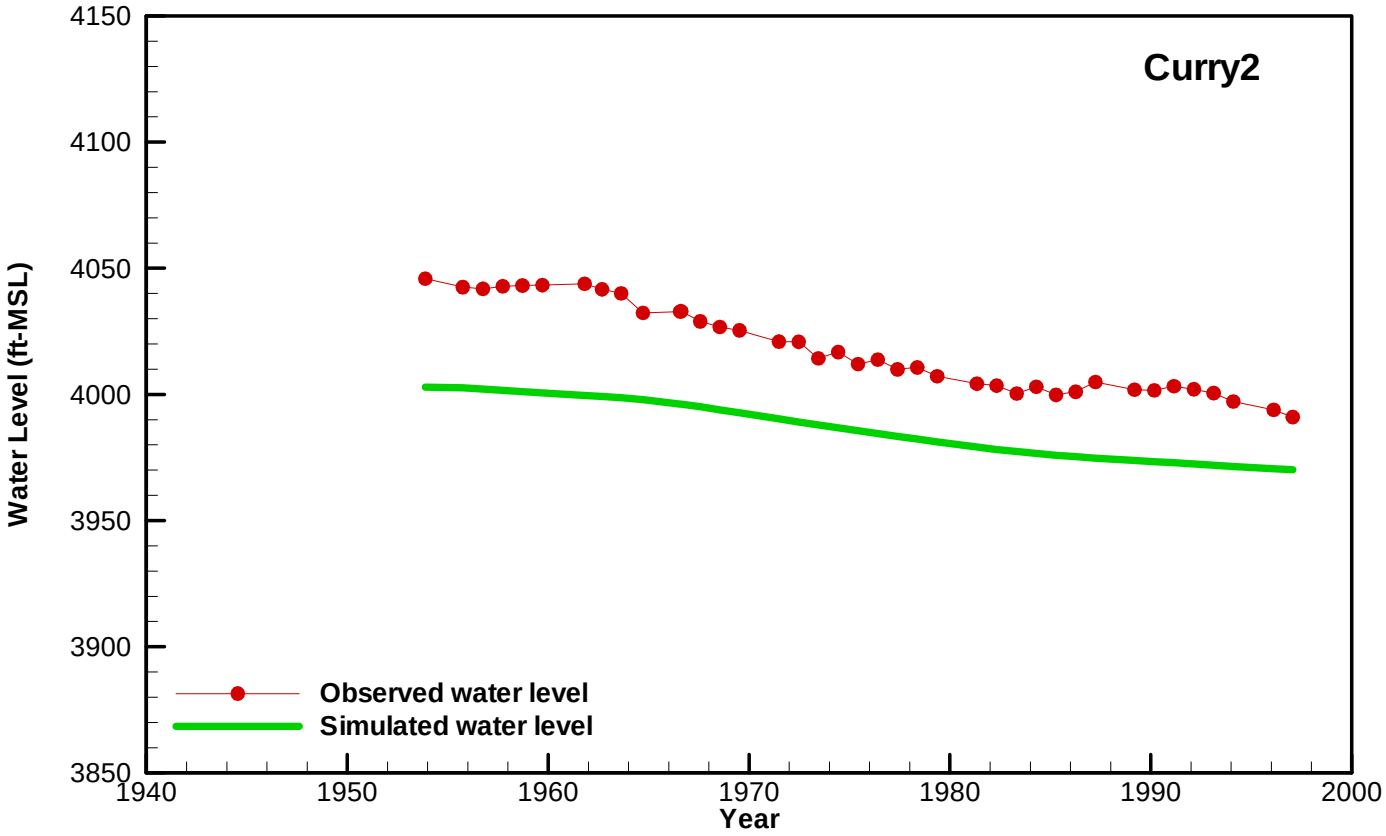

Crosby1
Water Level (ft-MSL)
3200
3150
3100
3050
3000
2950
2900
2850
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

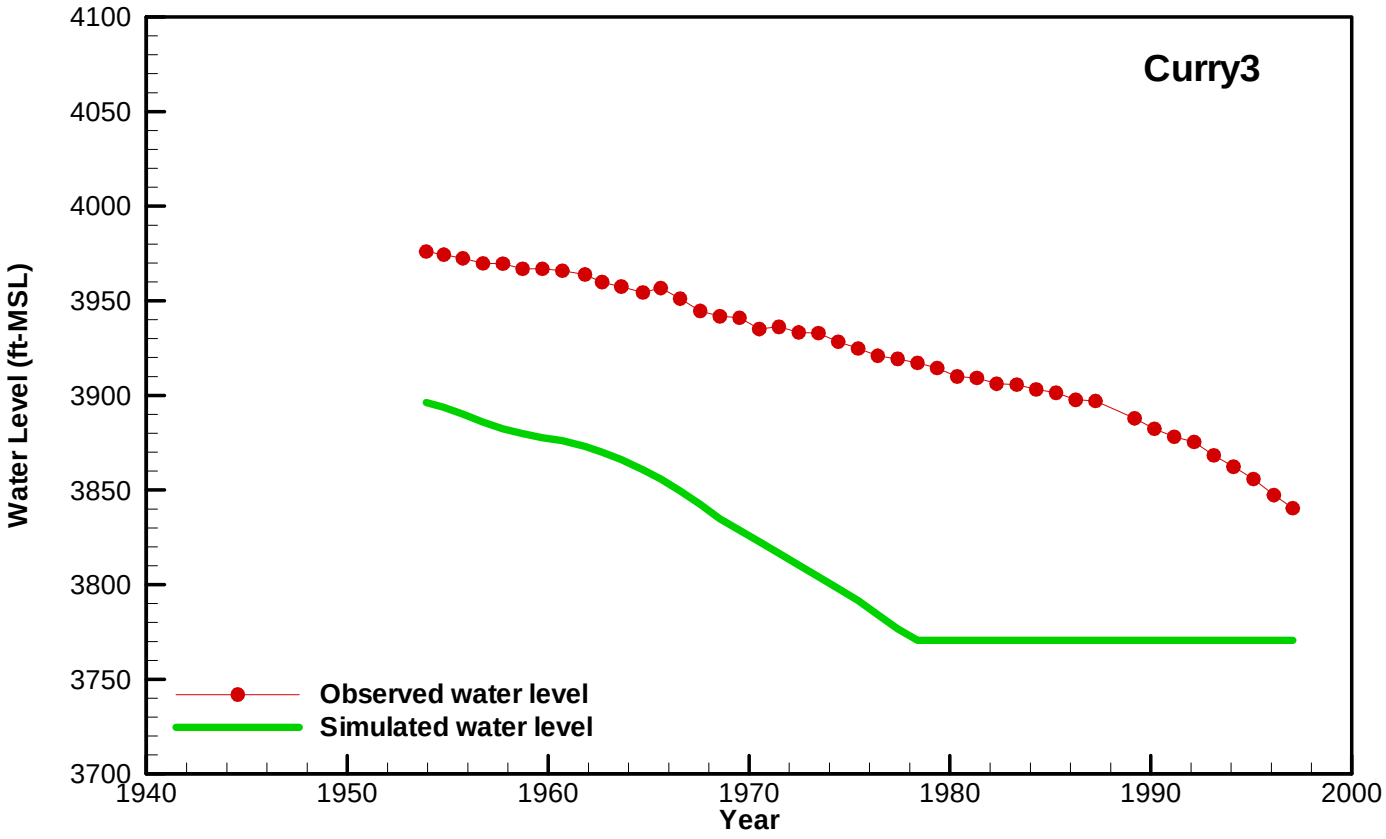

Crosby2
Water Level (ft-MSL)
3100
3050
3000
2950
2900
2850
2800
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

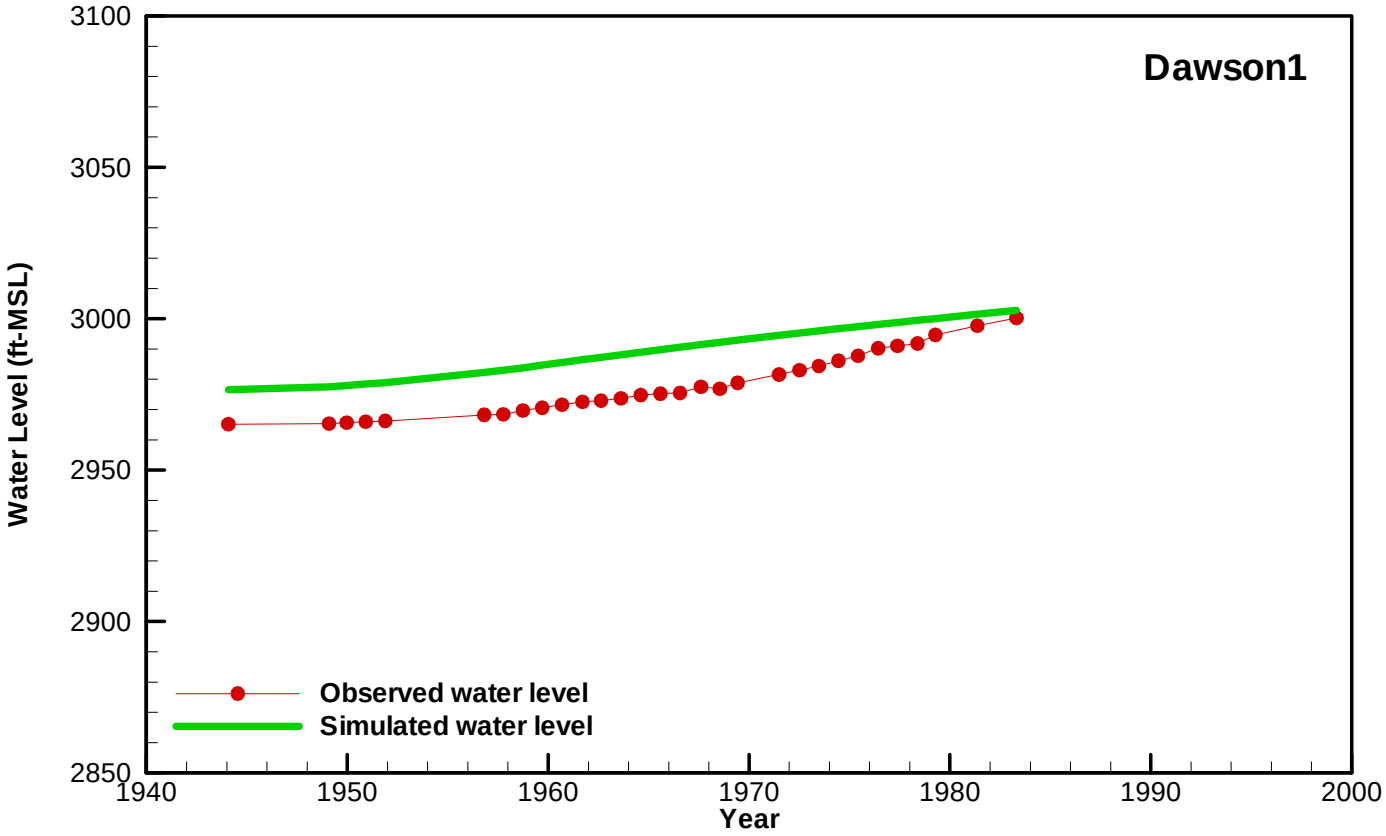

Crosby3
Water Level (ft-MSL)
3150
3125
3100
3075
3050
3025
3000
2975
2950
2925
2900
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

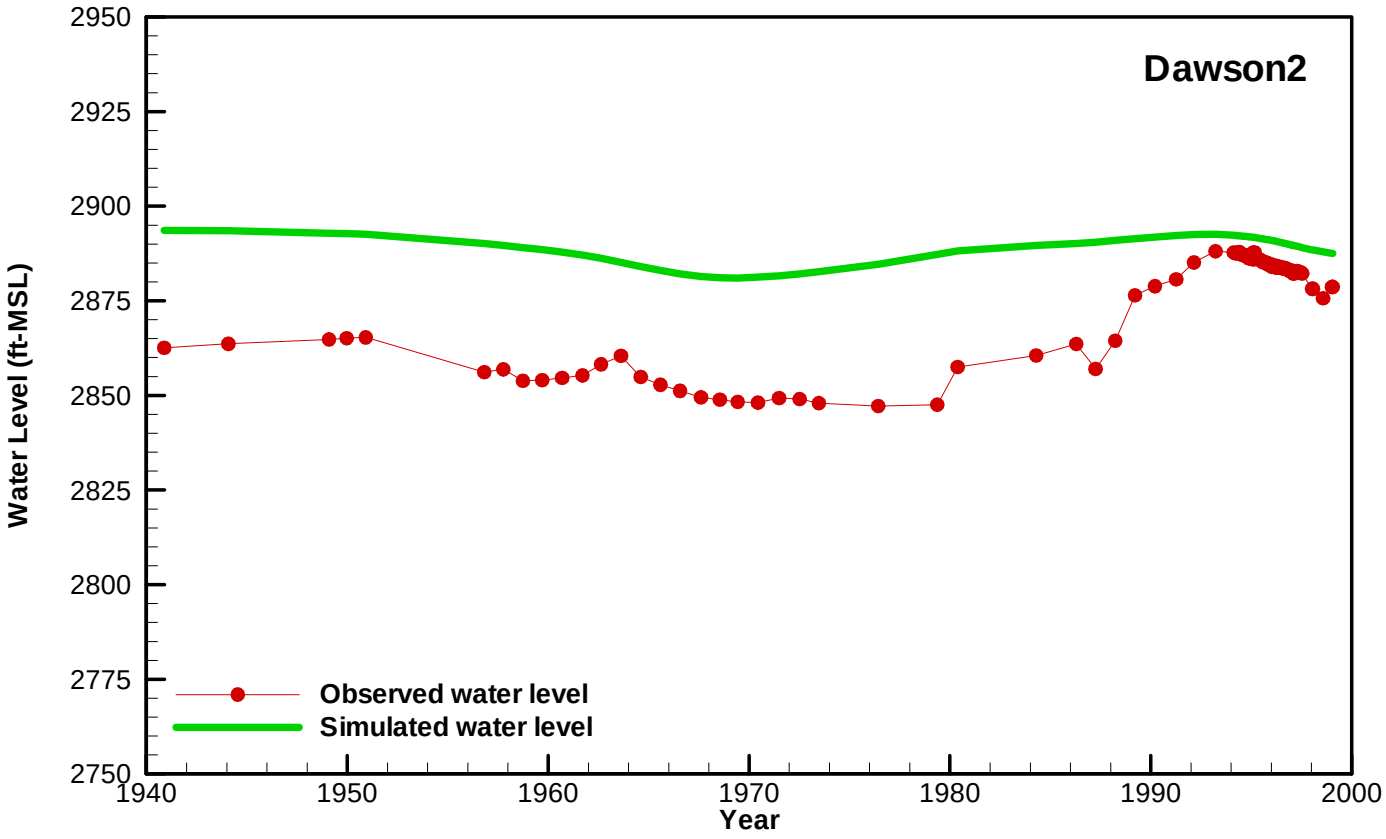

Crosby4
Water Level (ft-MSL)
3050
3000
2950
2900
2850
2800
2750
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

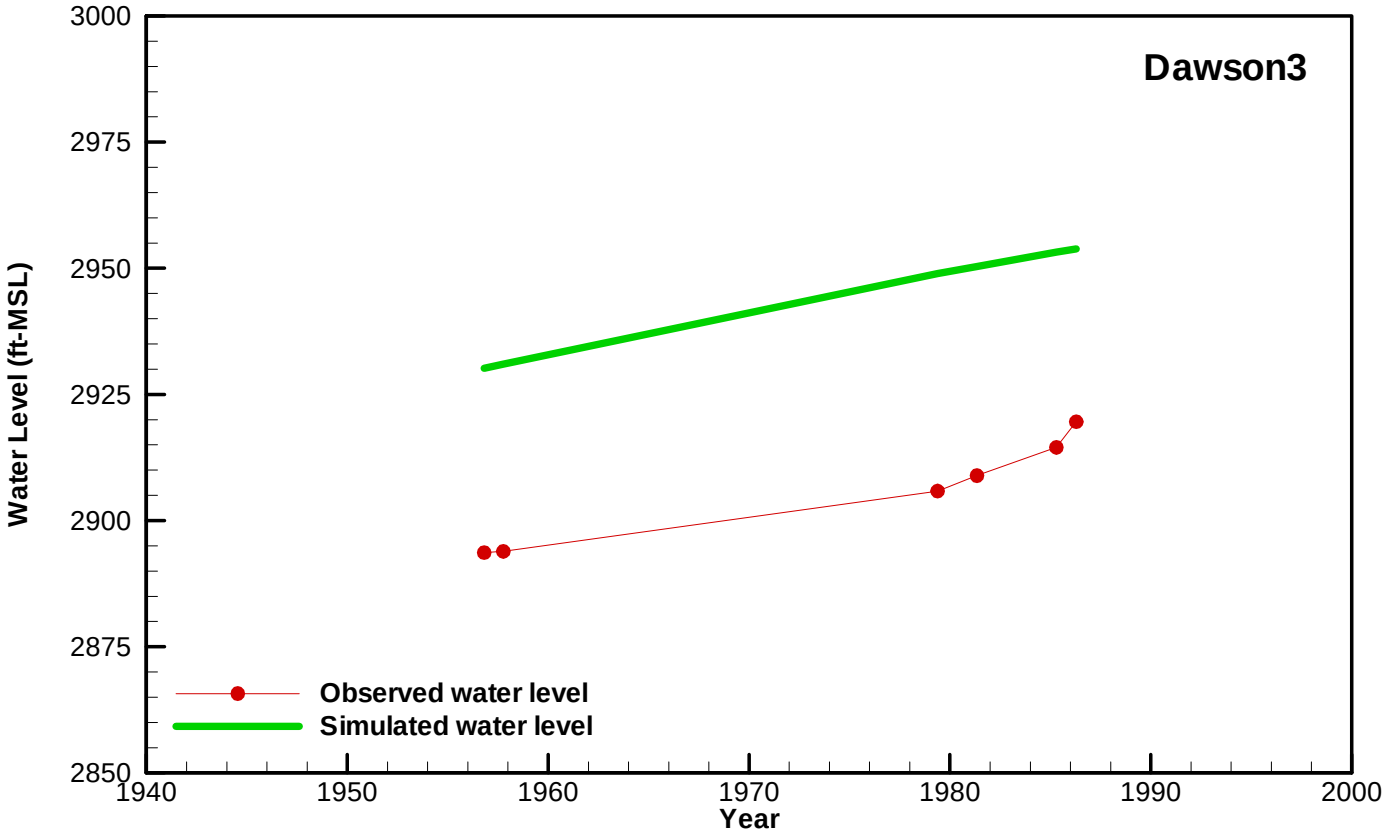

Curry1
Water Level (ft-MSL)
4150
4125
4100
4075
4050
4025
4000
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

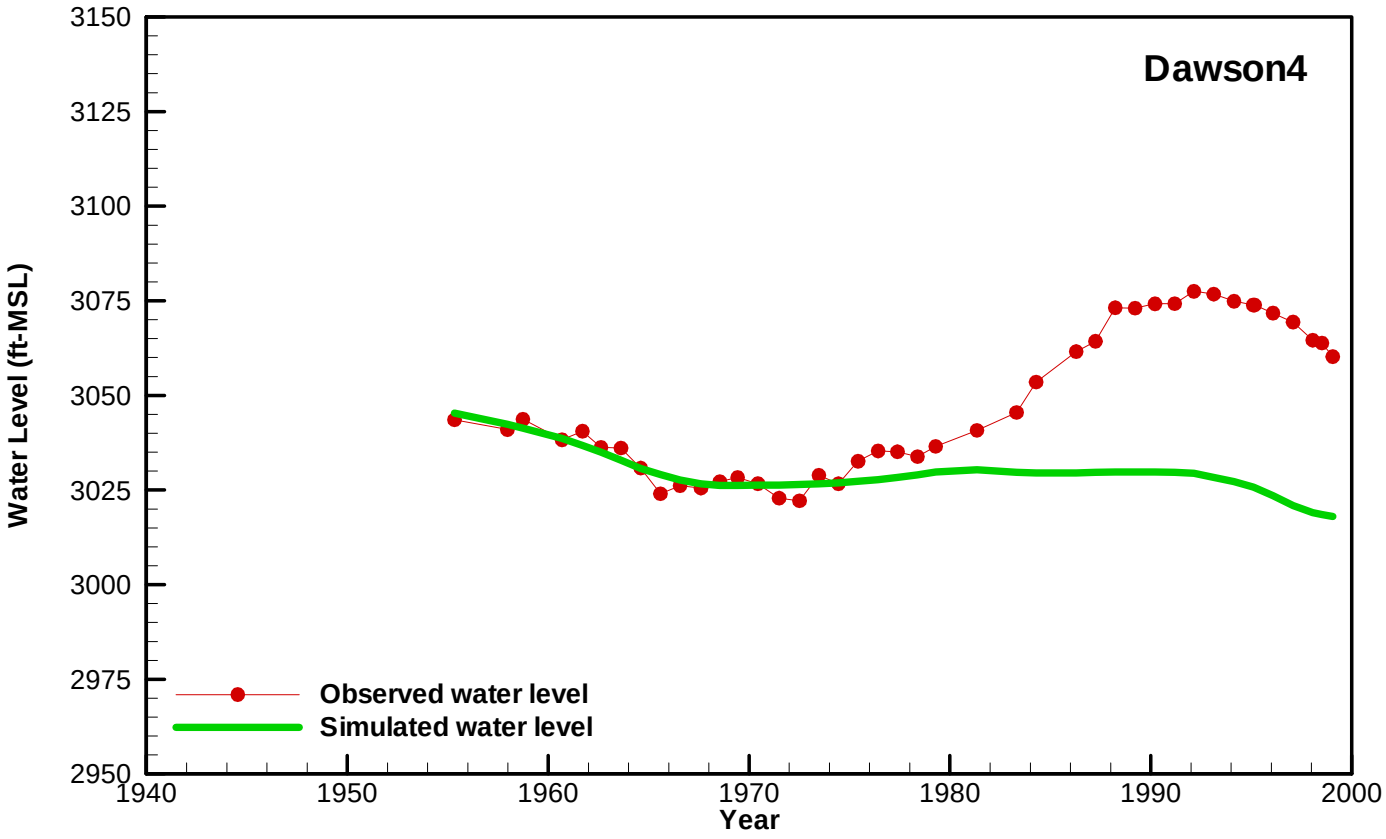

Curry2
Water Level (ft-MSL)
4150
4100
4050
4000
3950
3900
3850
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

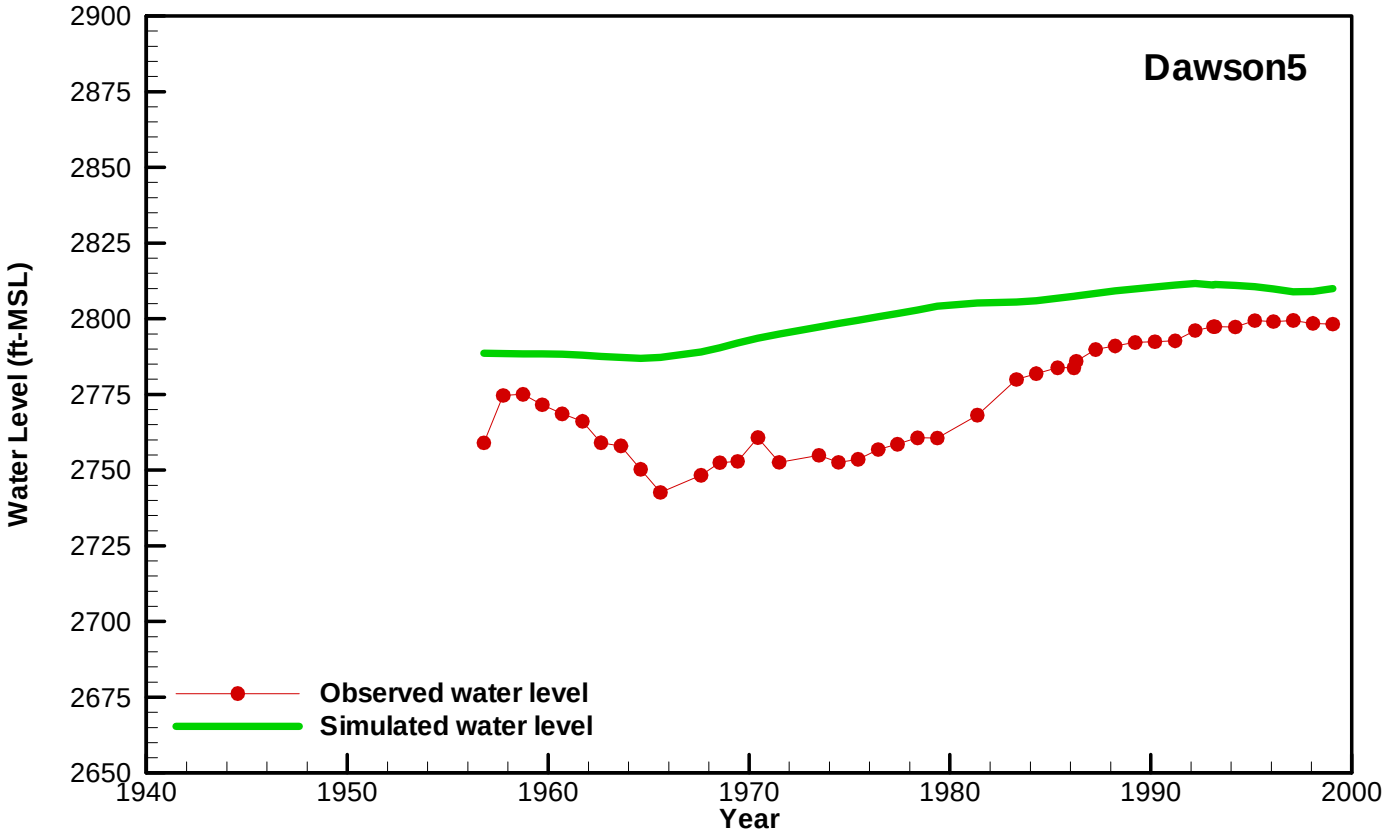

Curry3
Water Level (ft-MSL)
4100
4050
4000
3950
3900
3850
3800
3750
3700
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

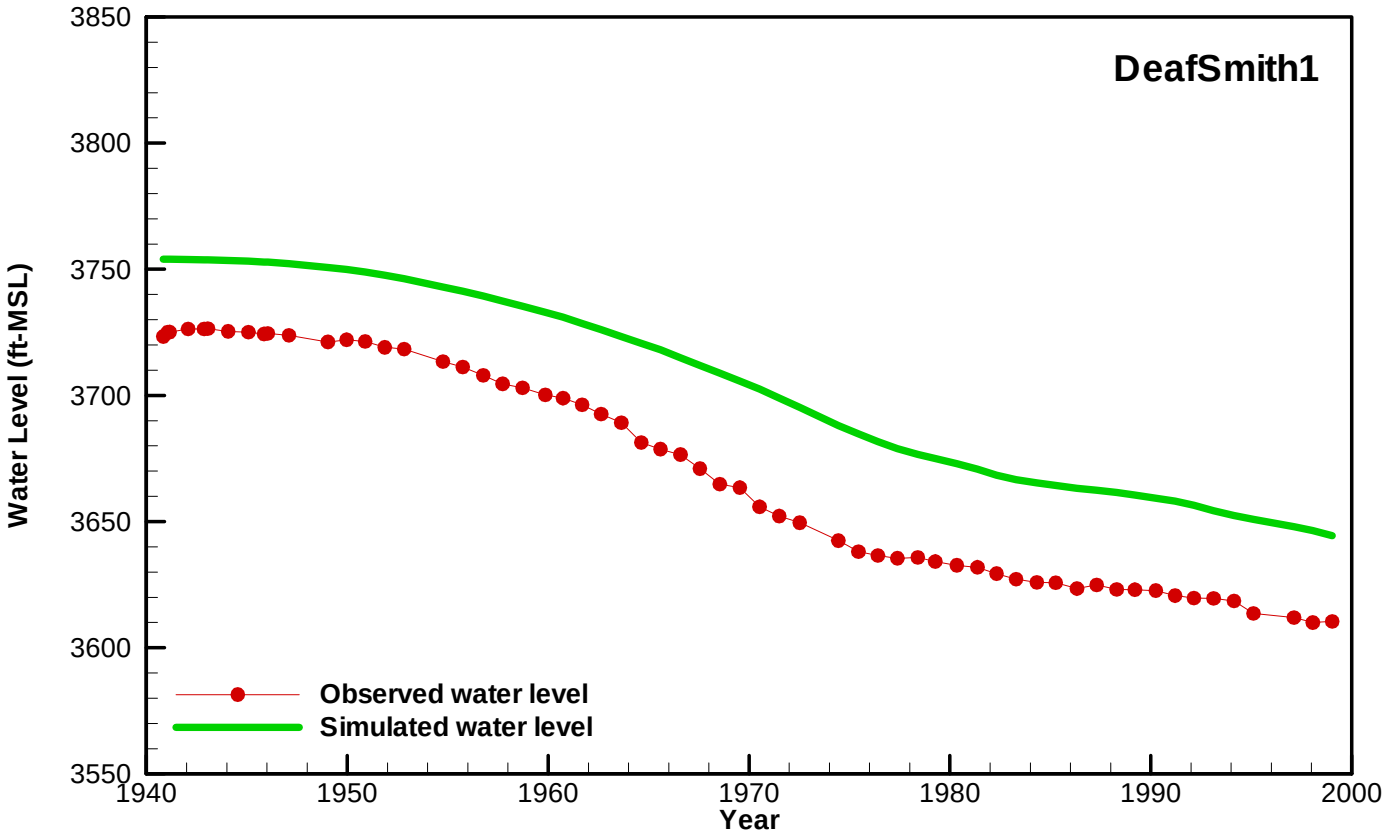

Dawson1
Water Level (ft-MSL)
3100
3050
3000
2950
2900
2850
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

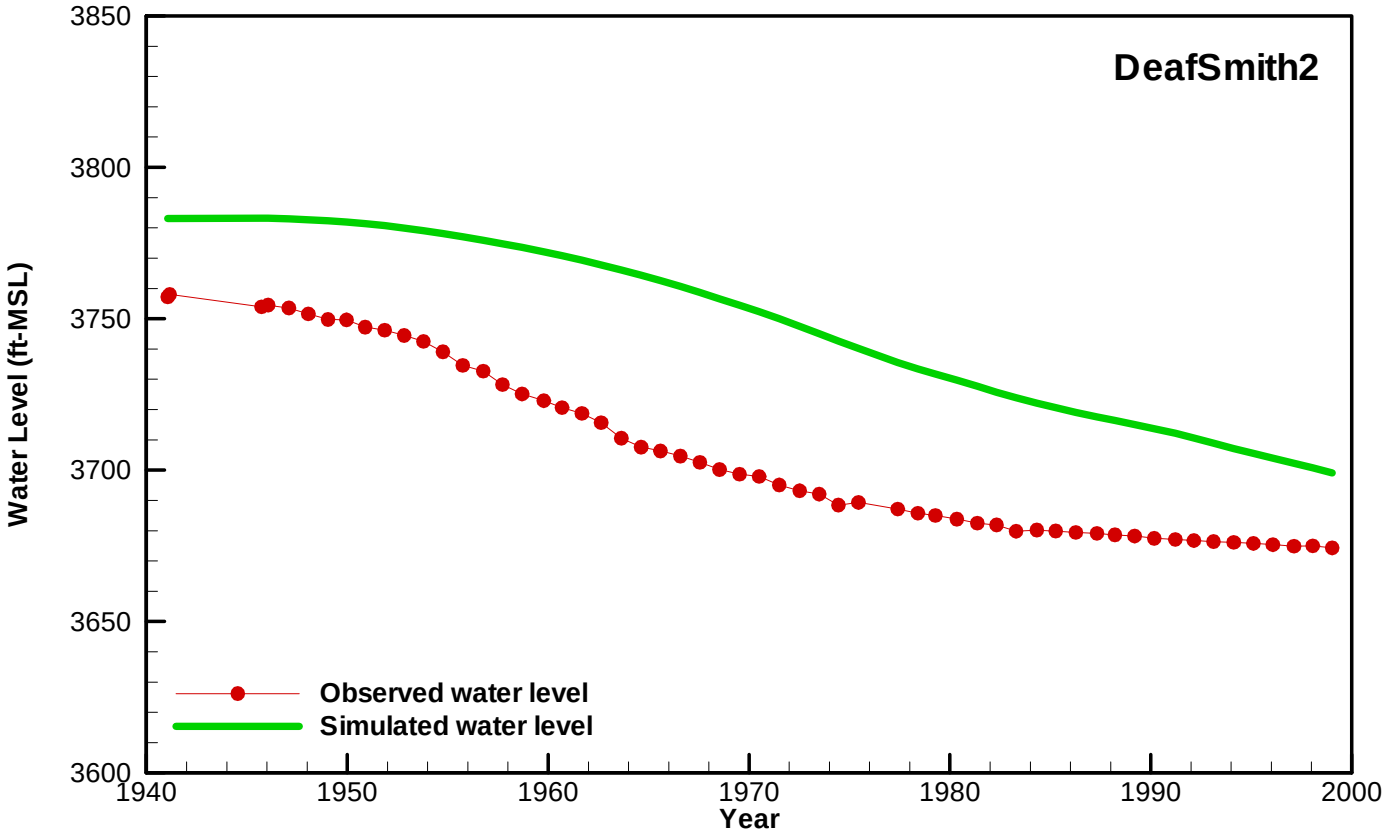

Dawson2
Water Level (ft-MSL)
2950
2925
2900
2875
2850
2825
2800
2775
2750
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

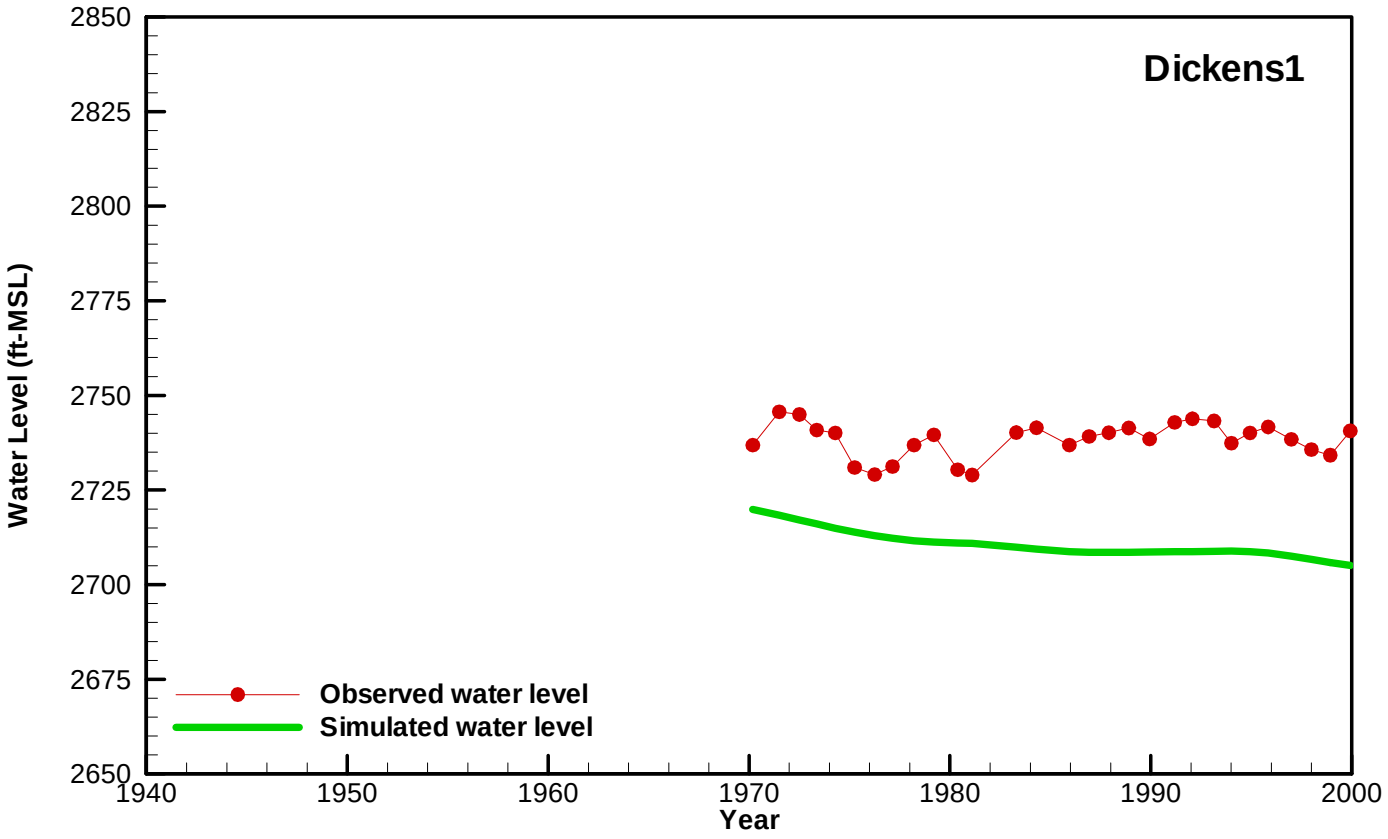

Dawson3
Water Level (ft-MSL)
3000
2975
2950
2925
2900
2875
2850
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

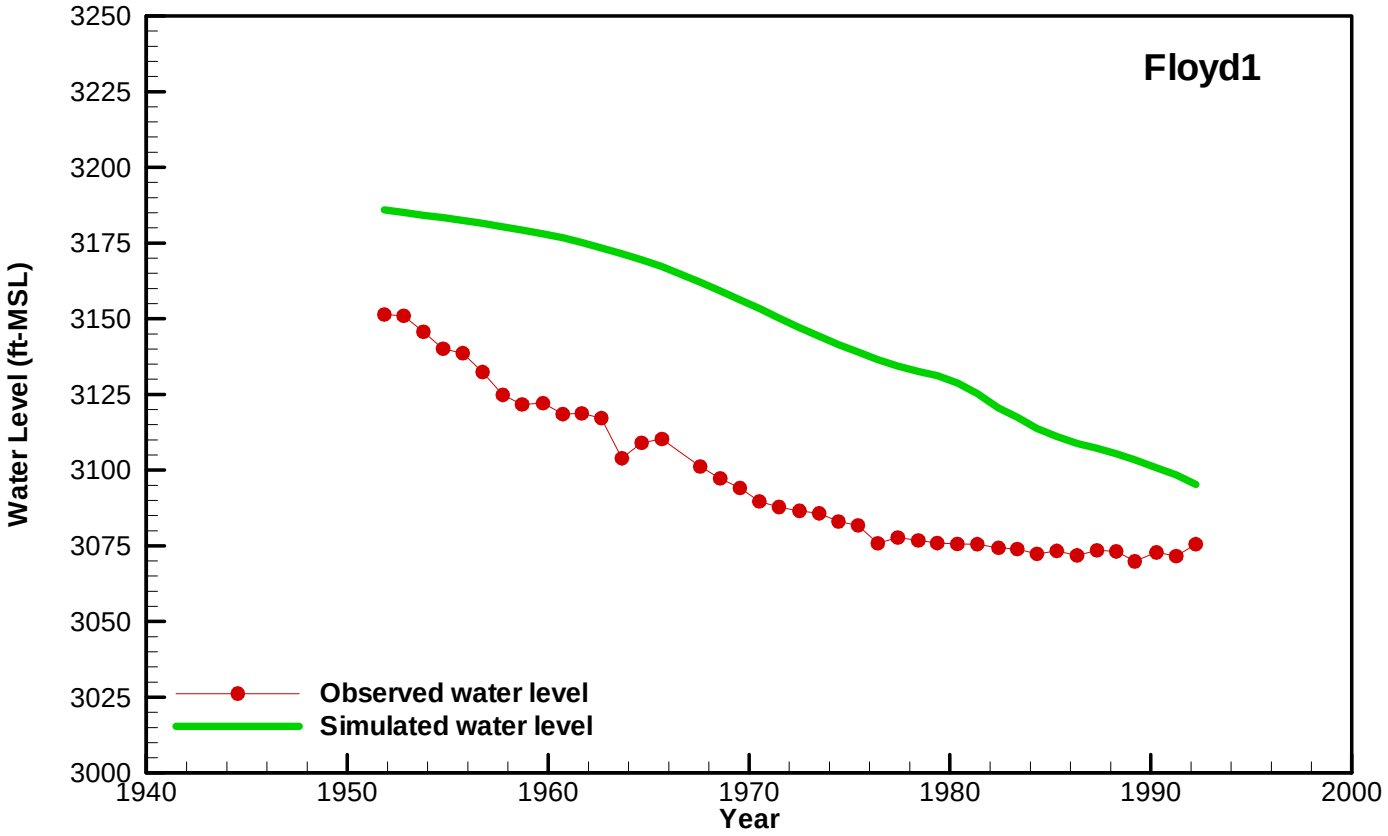

Dawson4
Water Level (ft-MSL)
3150
3125
3100
3075
3050
3025
3000
2975
2950
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

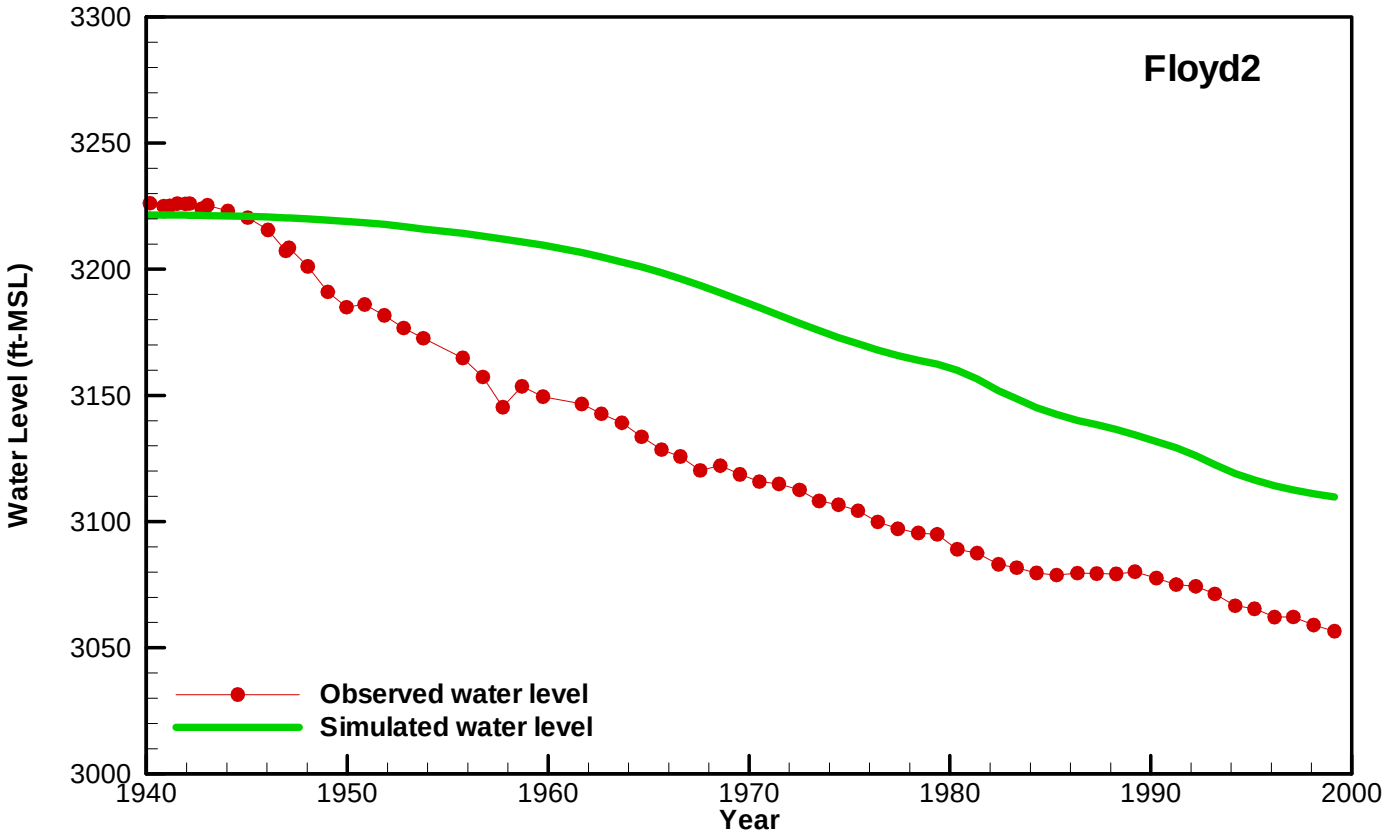

Dawson5
Water Level (ft-MSL)
2900
2875
2850
2825
2800
2775
2750
2725
2700
2675
2650
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

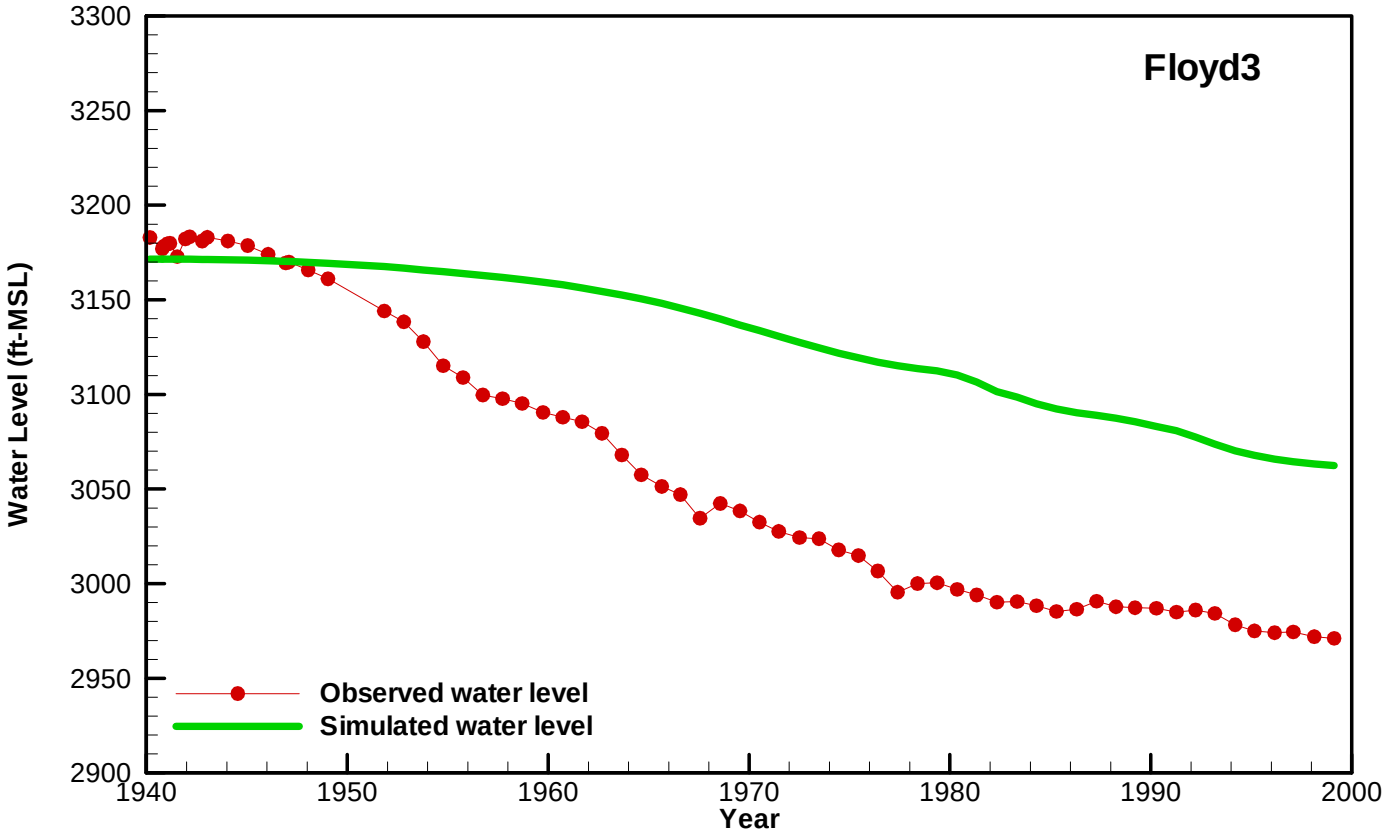

DeafSmith1
Water Level (ft-MSL)
3850
3800
3750
3700
3650
3600
3550
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

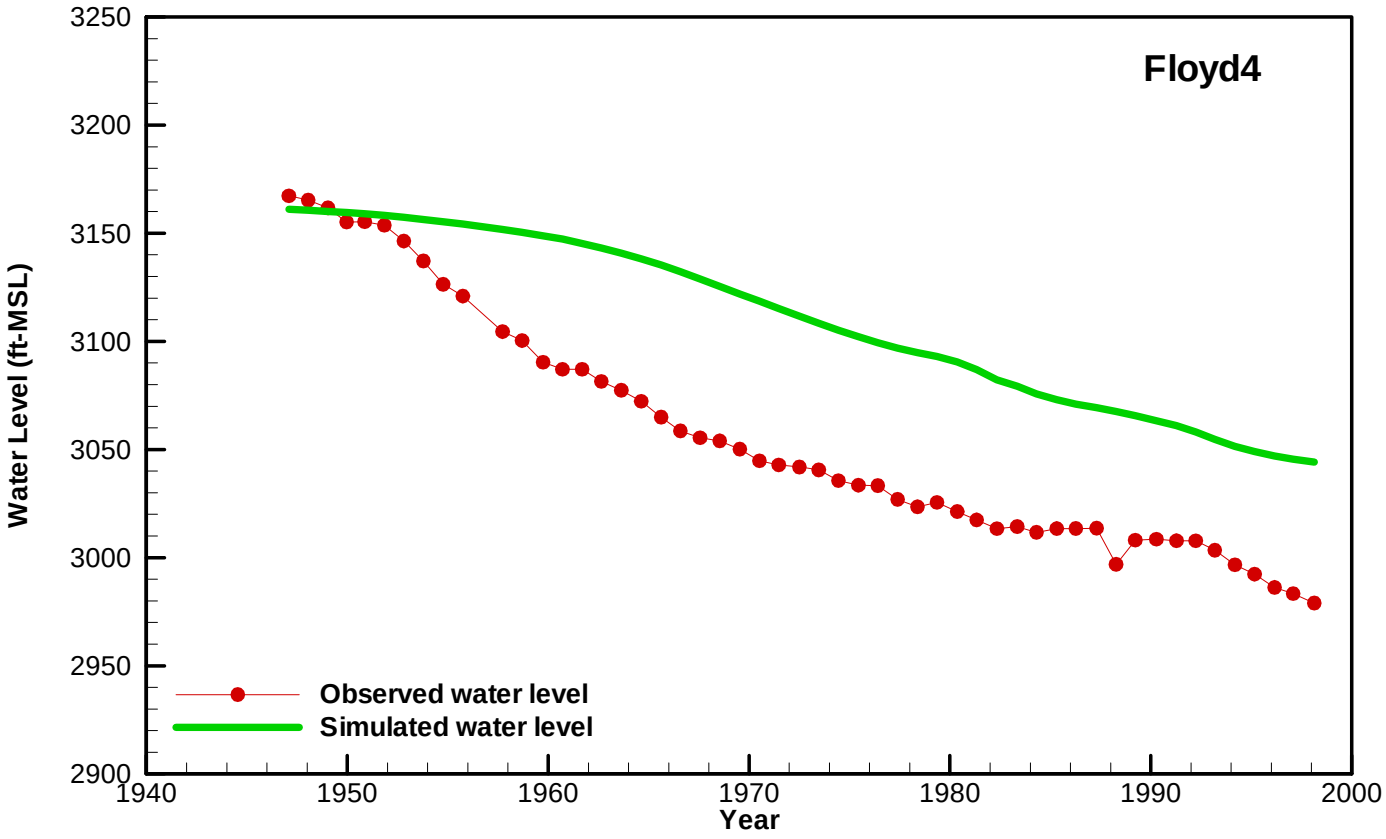

DeafSmith2
Water Level (ft-MSL)
3850
3800
3750
3700
3650
3600
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

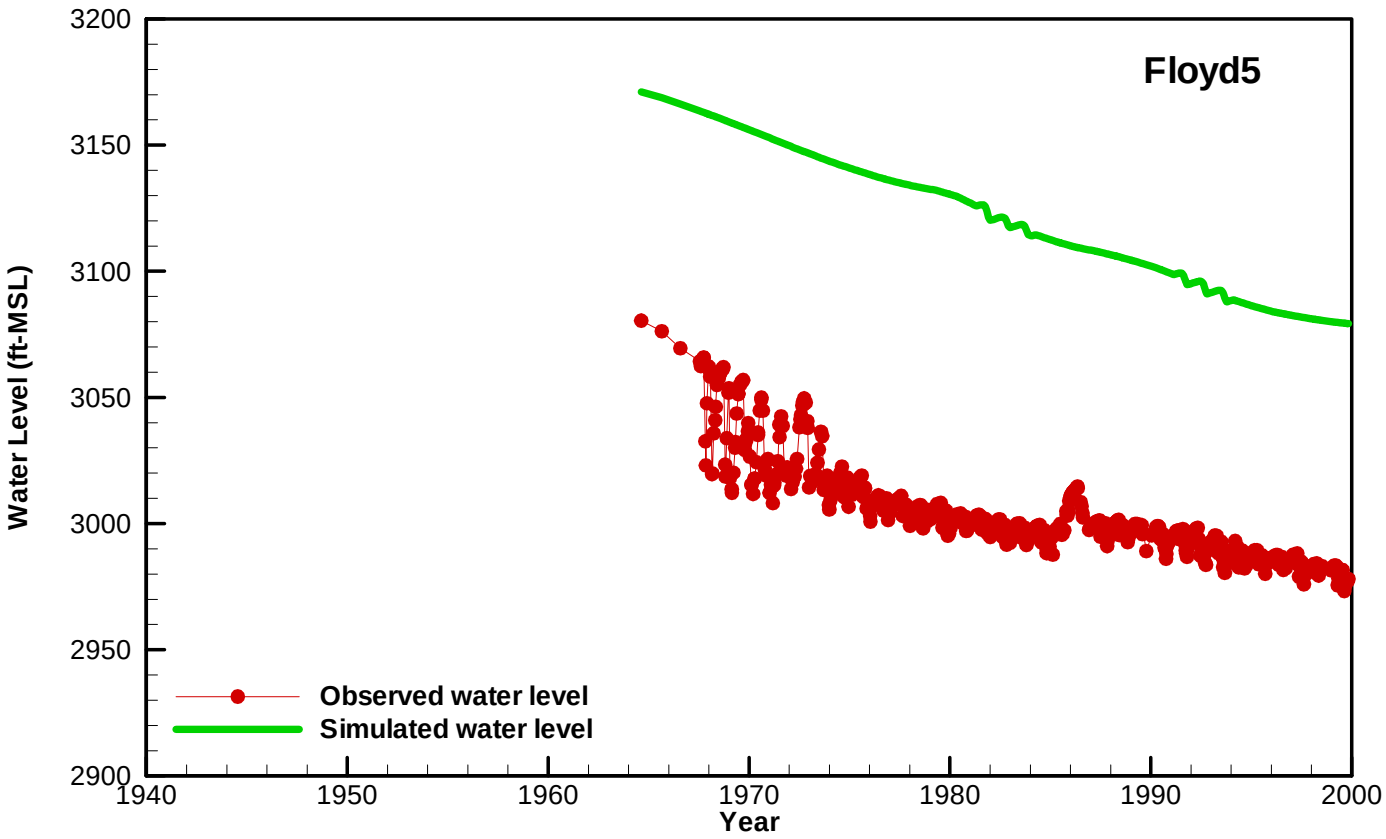

Dickens1
Water Level (ft-MSL)
2850
2825
2800
2775
2750
2725
2700
2675
2650
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

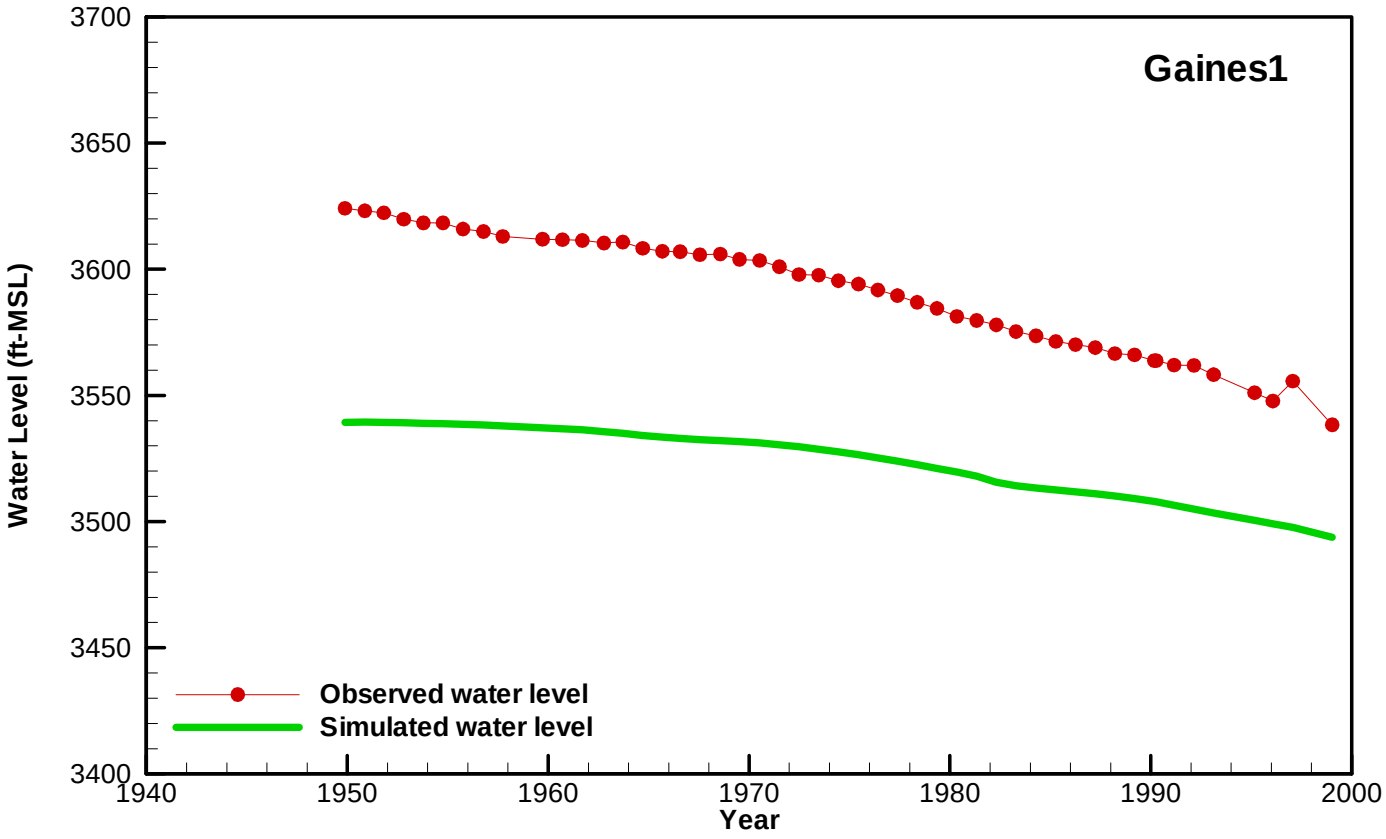

Floyd1
Water Level (ft-MSL)
3250
3225
3200
3175
3150
3125
3100
3075
3050
3025
3000
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

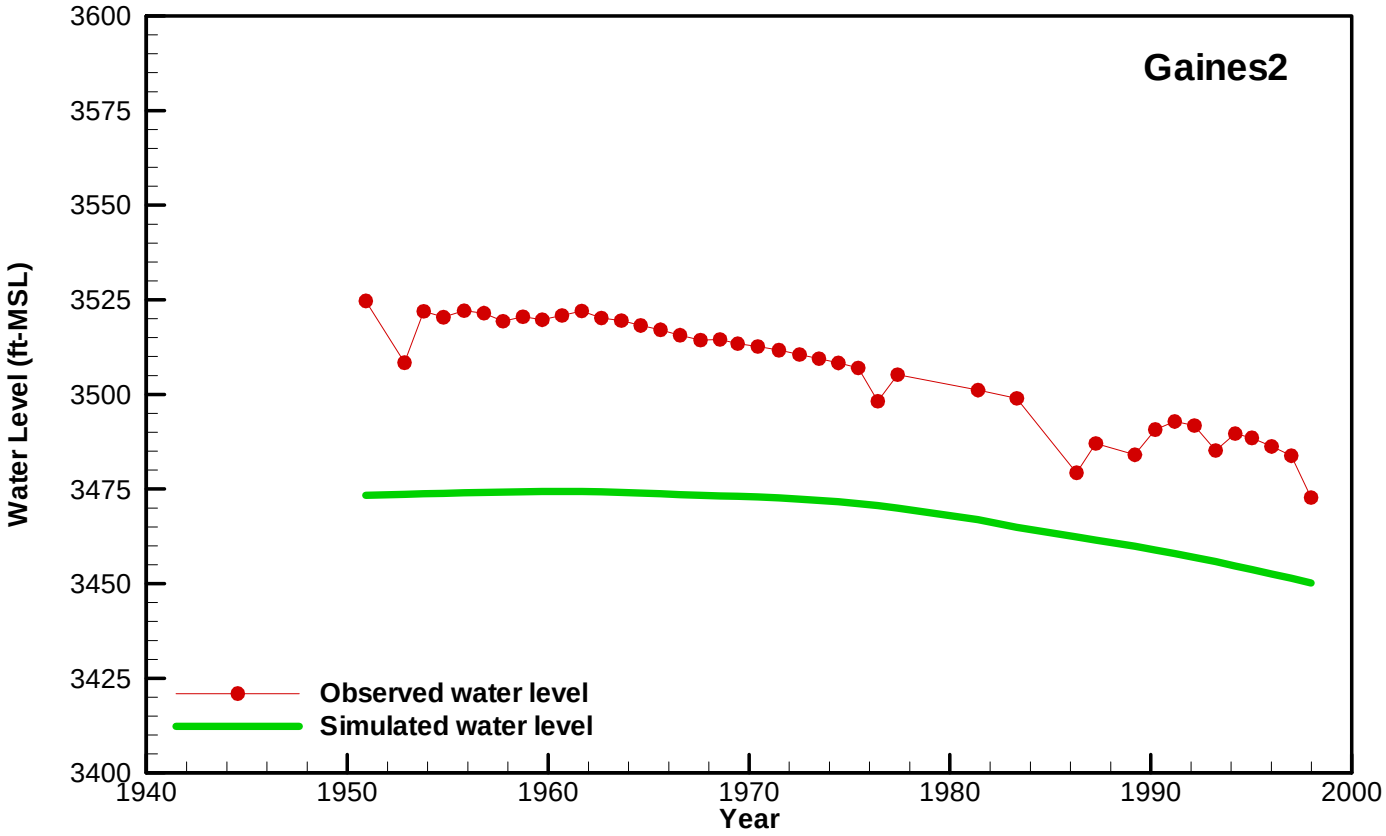

Floyd2
Water Level (ft-MSL)
3300
3250
3200
3150
3100
3050
3000
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

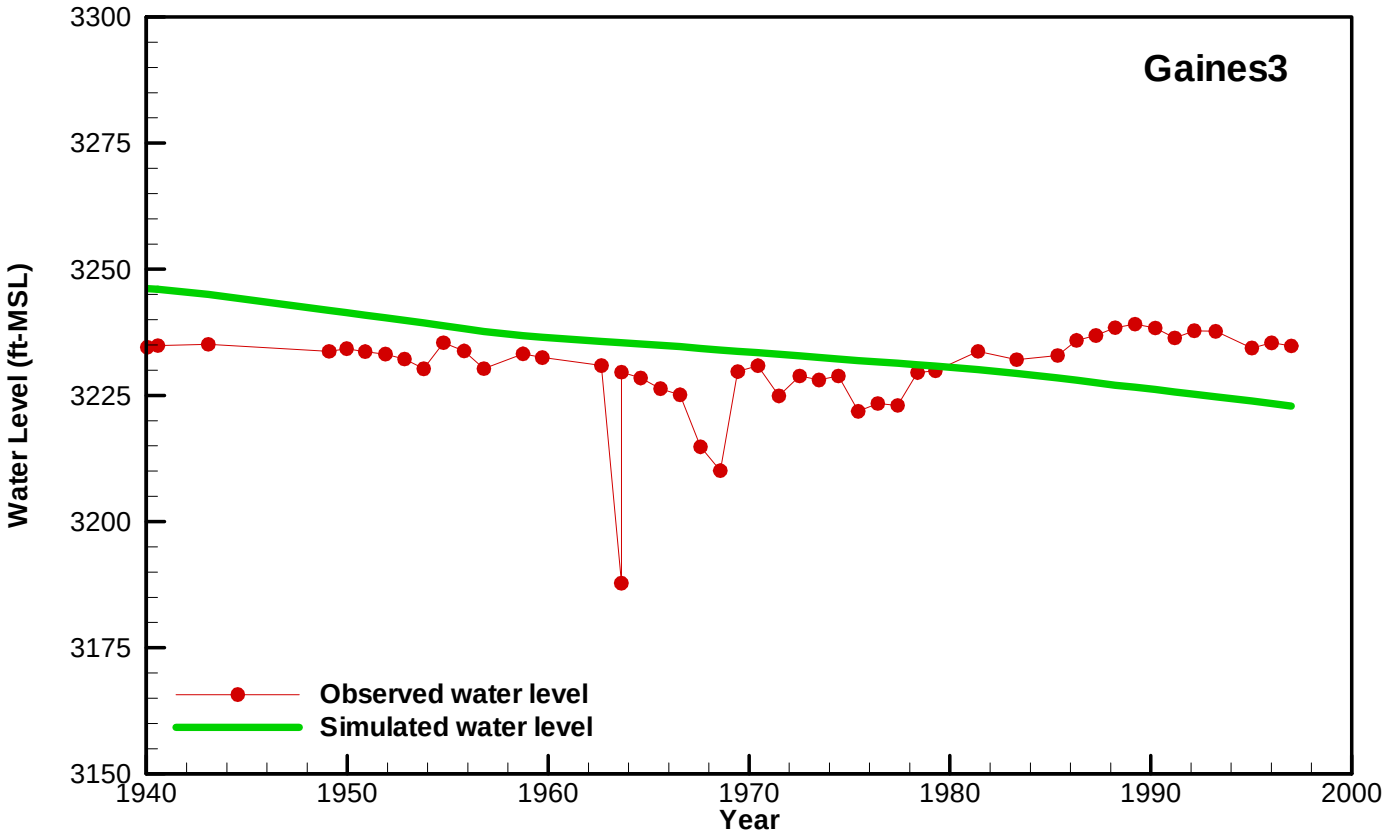

Floyd3
Water Level (ft-MSL)
3300
3250
3200
3150
3100
3050
3000
2950
2900
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

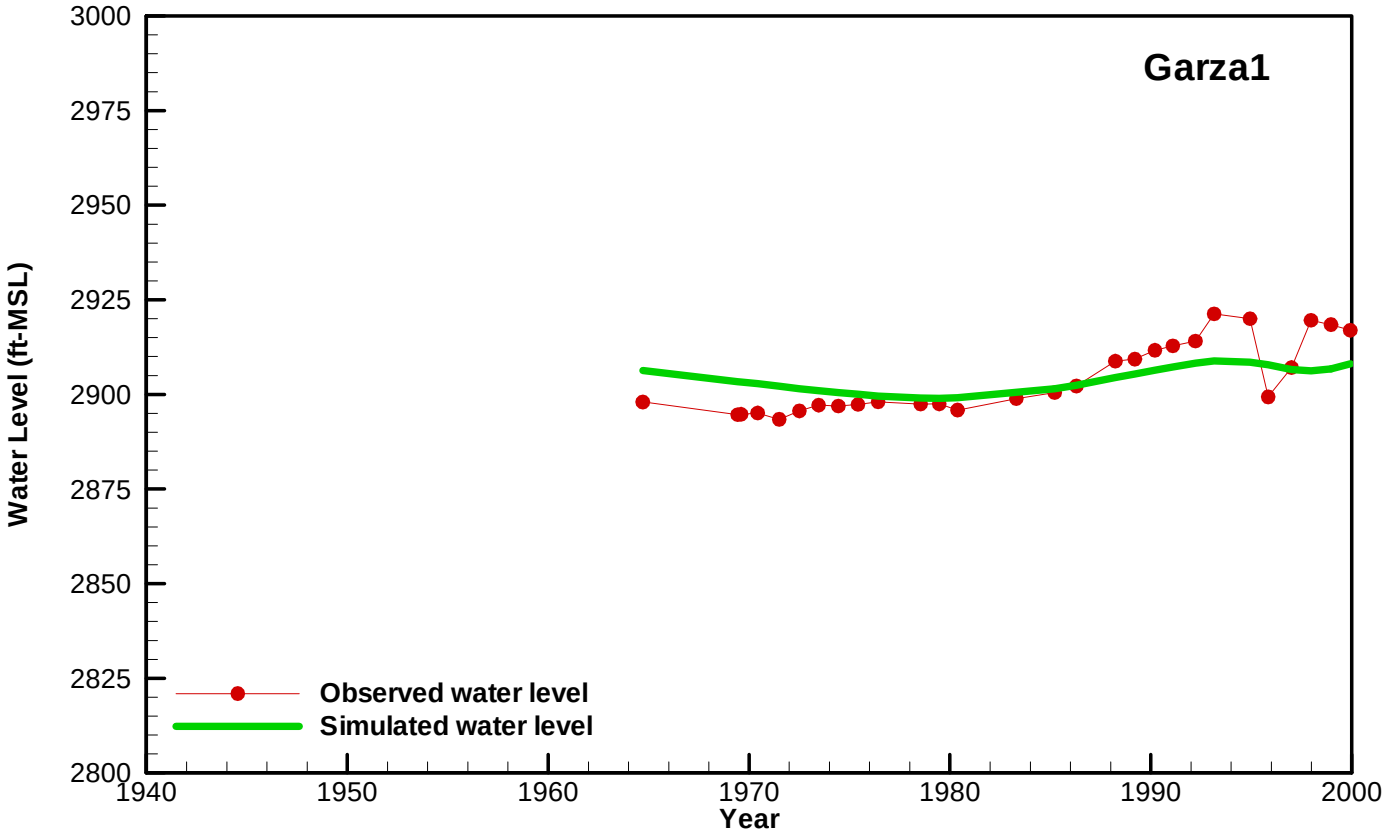

Floyd4
Water Level (ft-MSL)
3250
3200
3150
3100
3050
3000
2950
2900
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

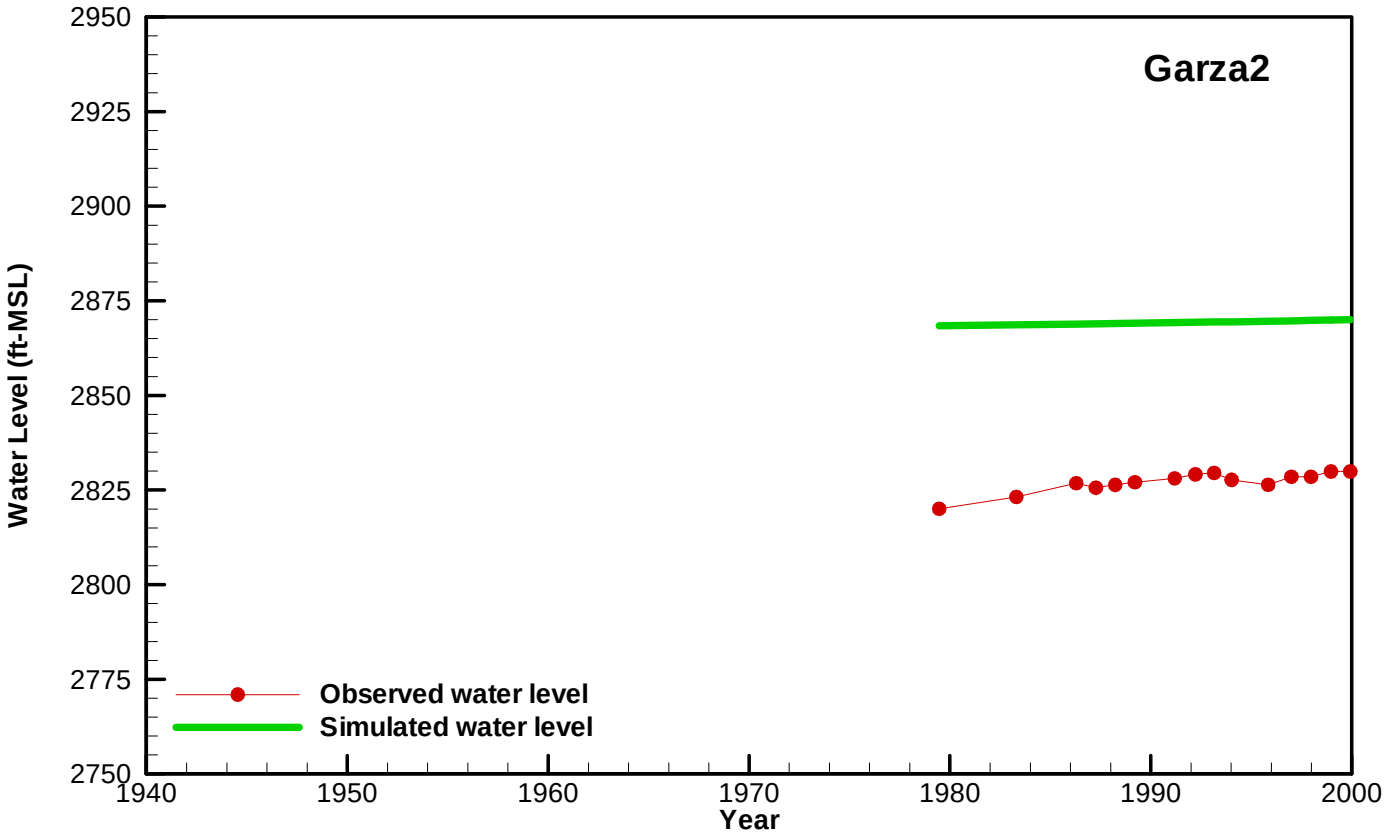

Floyd5
Water Level (ft-MSL)
3200
3150
3100
3050
3000
2950
2900
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

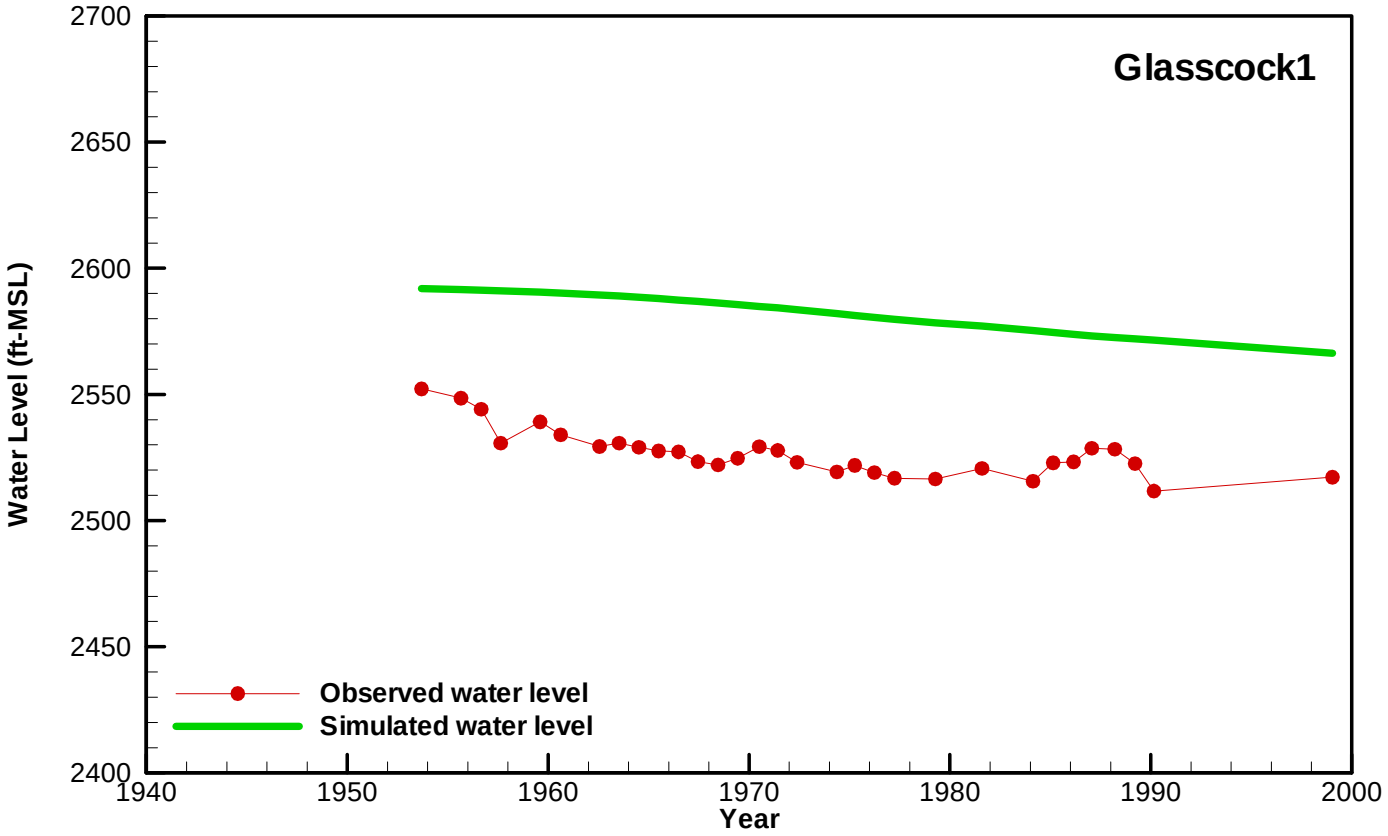

Gaines1
Water Level (ft-MSL)
3700
3650
3600
3550
3500
3450
3400
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

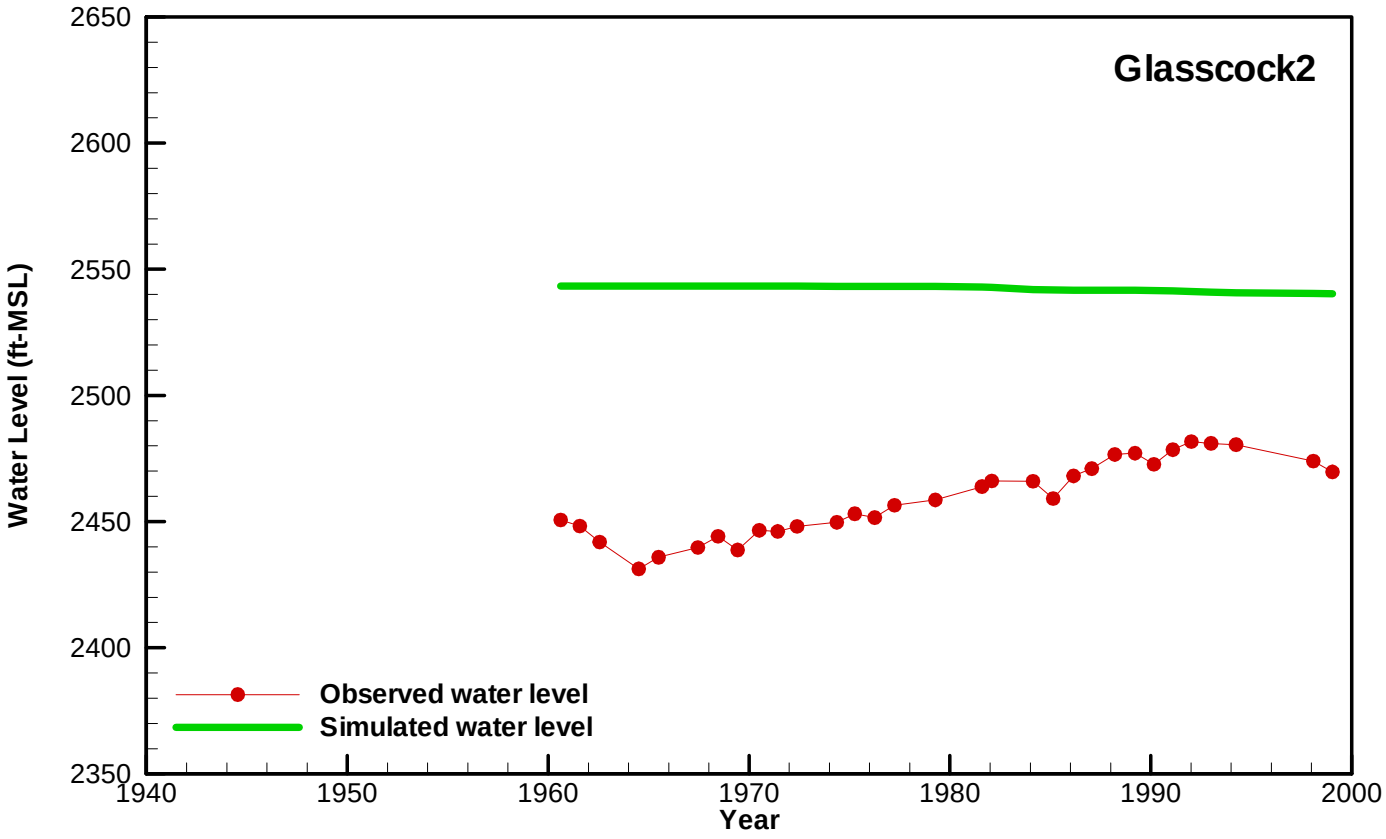

Gaines2
Water Level (ft-MSL)
3600
3575
3550
3525
3500
3475
3450
3425
3400
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

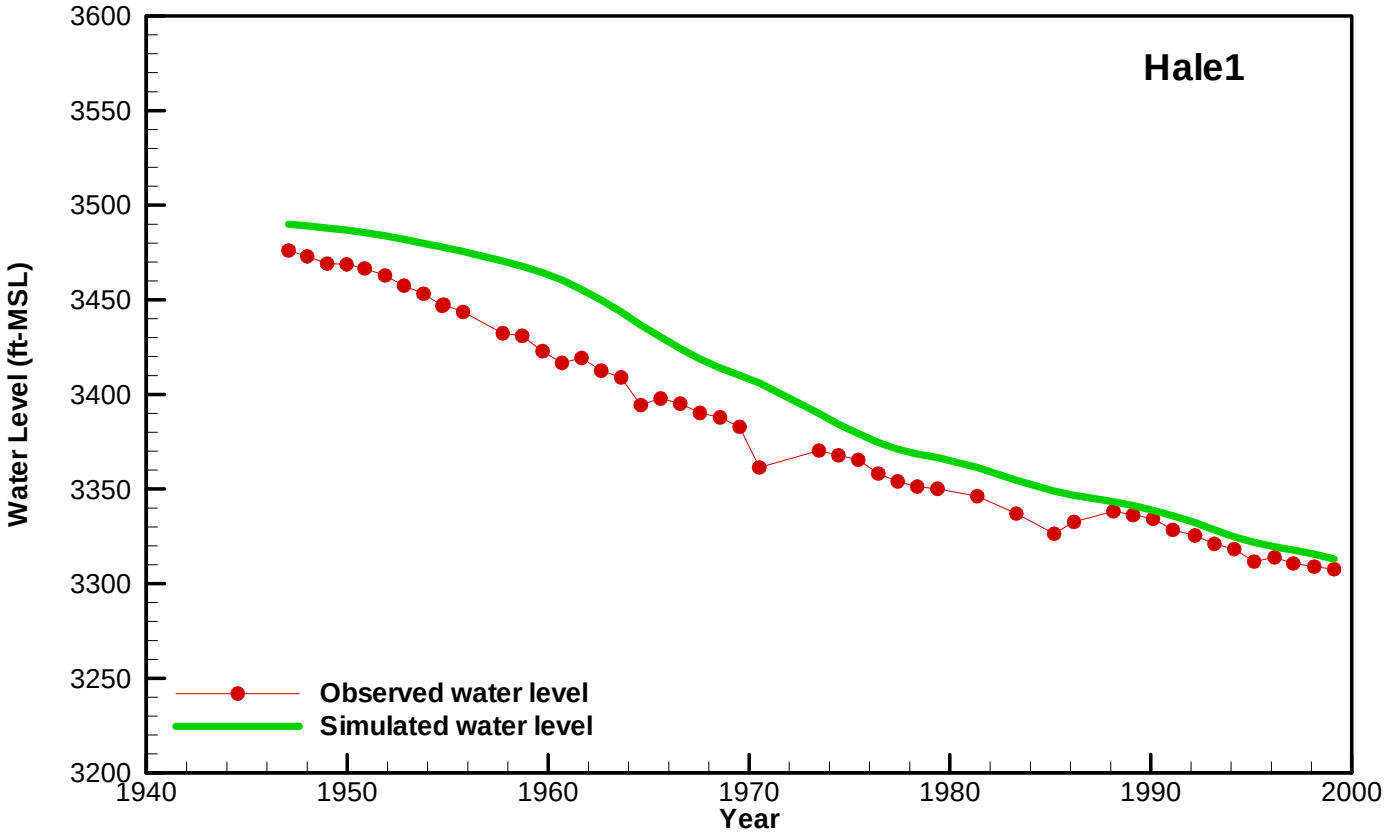

Gaines3
Water Level (ft-MSL)
3300
3275
3250
3225
3200
3175
3150
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

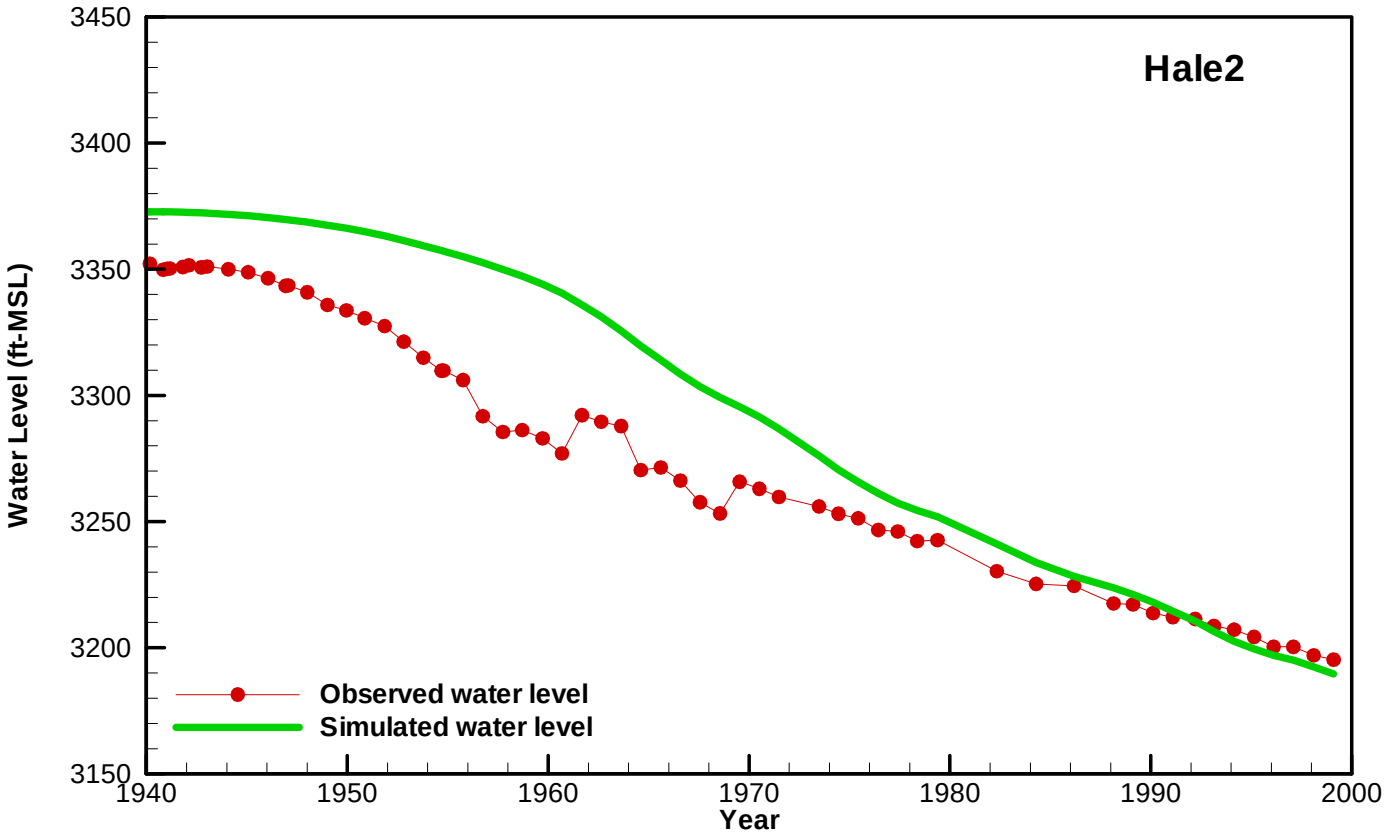

Garza1
Water Level (ft-MSL)
3000
2975
2950
2925
2900
2875
2850
2825
2800
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

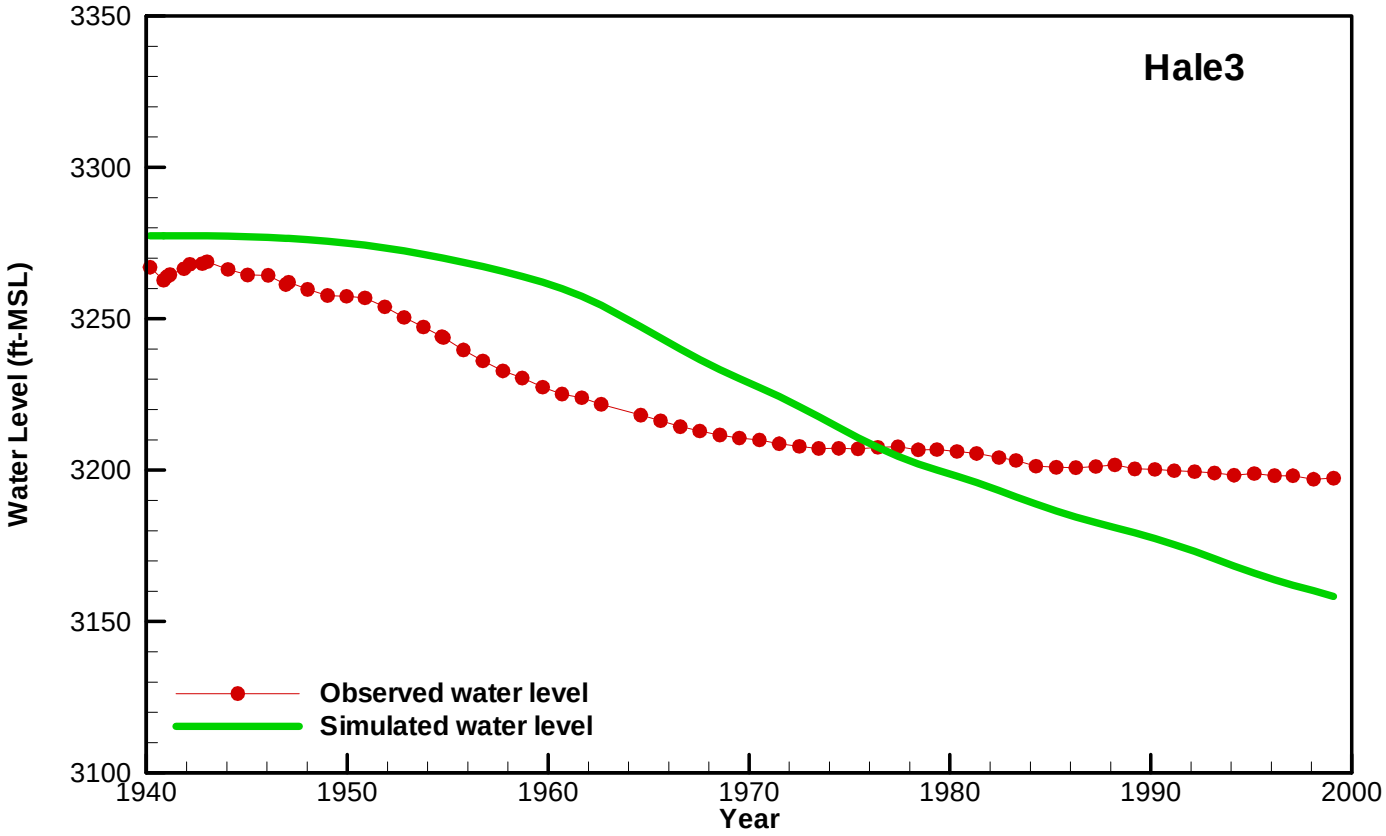

Garza2
Water Level (ft-MSL)
2950
2925
2900
2875
2850
2825
2800
2775
2750
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

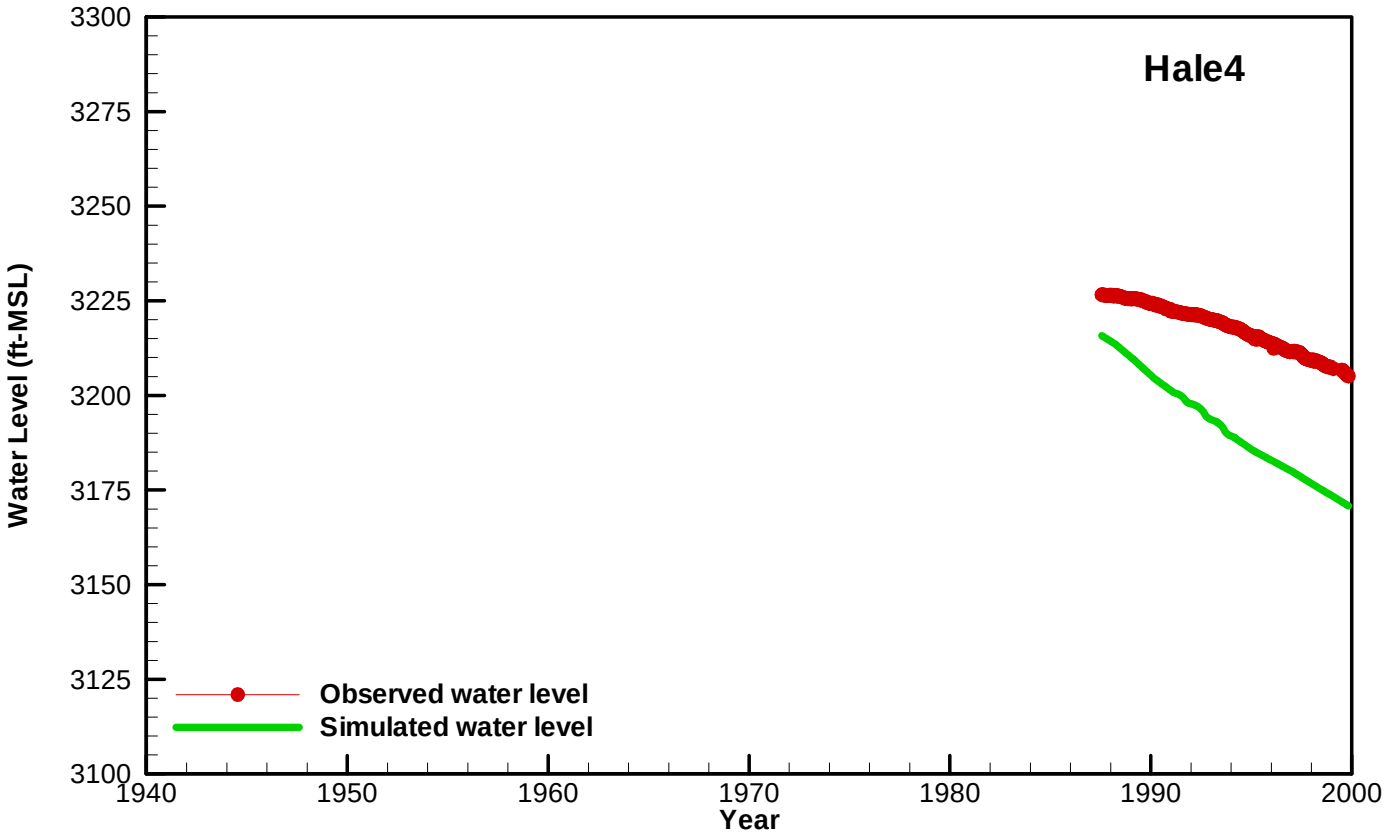

Glasscock1
Water Level (ft-MSL)
2700
2650
2600
2550
2500
2450
2400
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

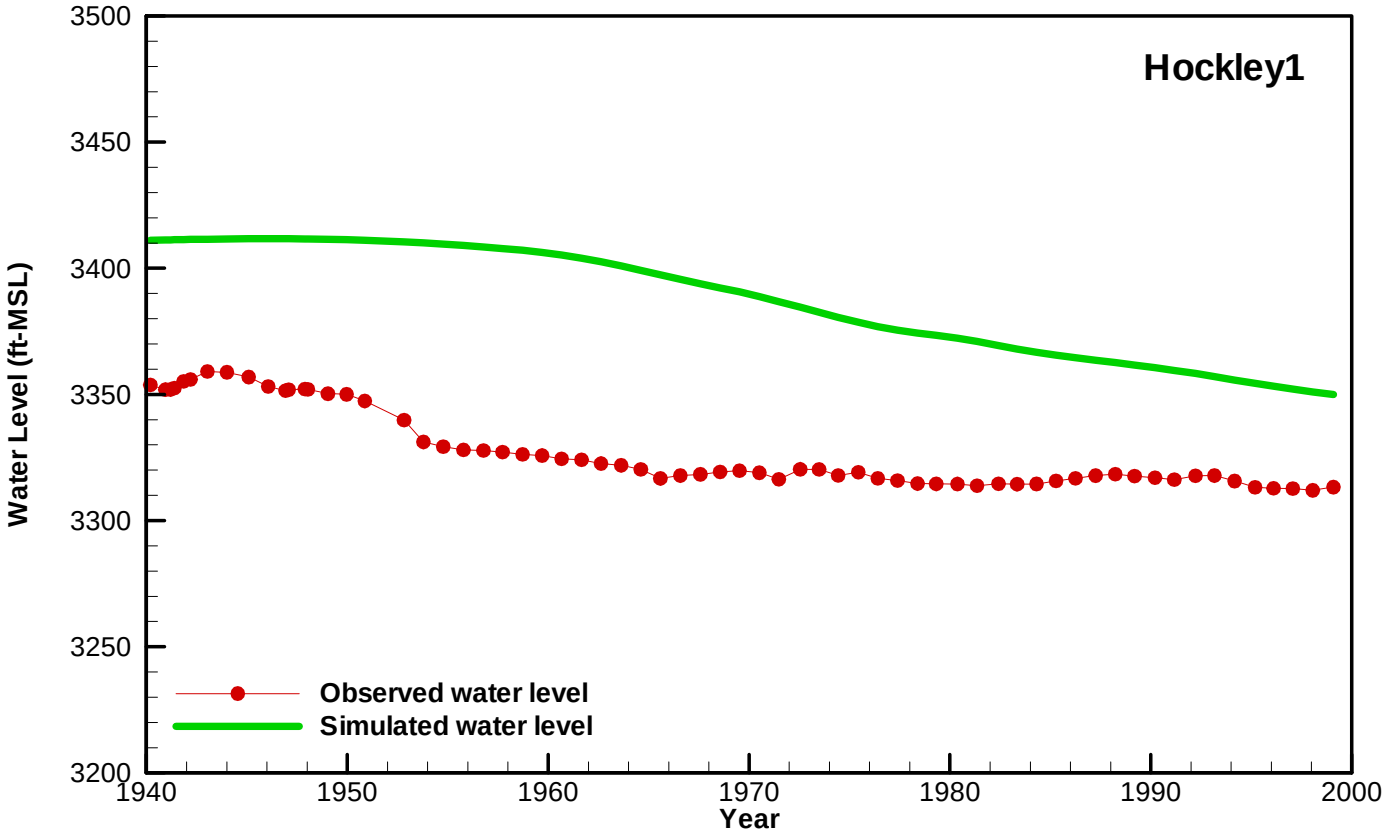

Glasscock2
Water Level (ft-MSL)
2650
2600
2550
2500
2450
2400
2350
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

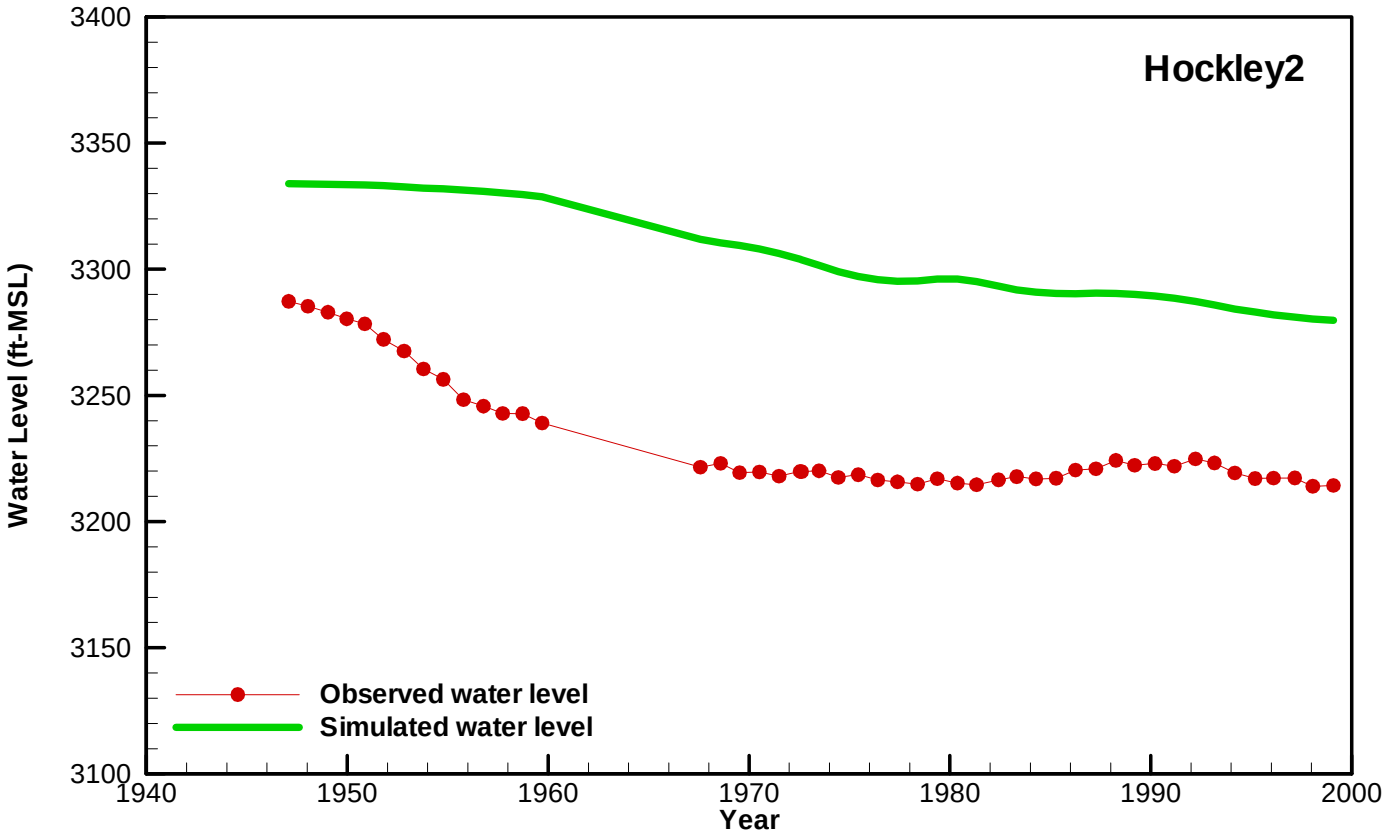

Hale1
Water Level (ft-MSL)
3600
3550
3500
3450
3400
3350
3300
3250
3200
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

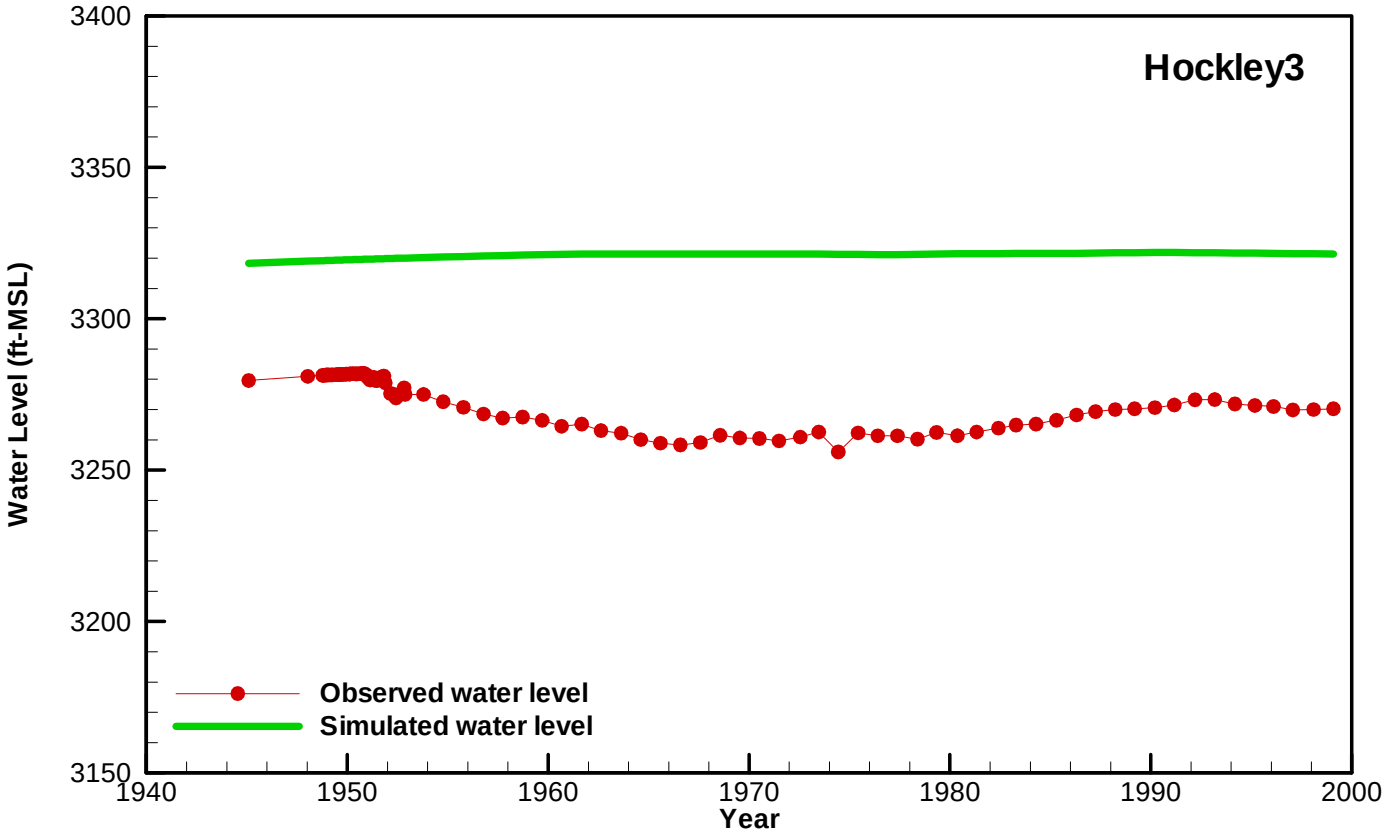

Hale2
Water Level (ft-MSL)
3450
3400
3350
3300
3250
3200
3150
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

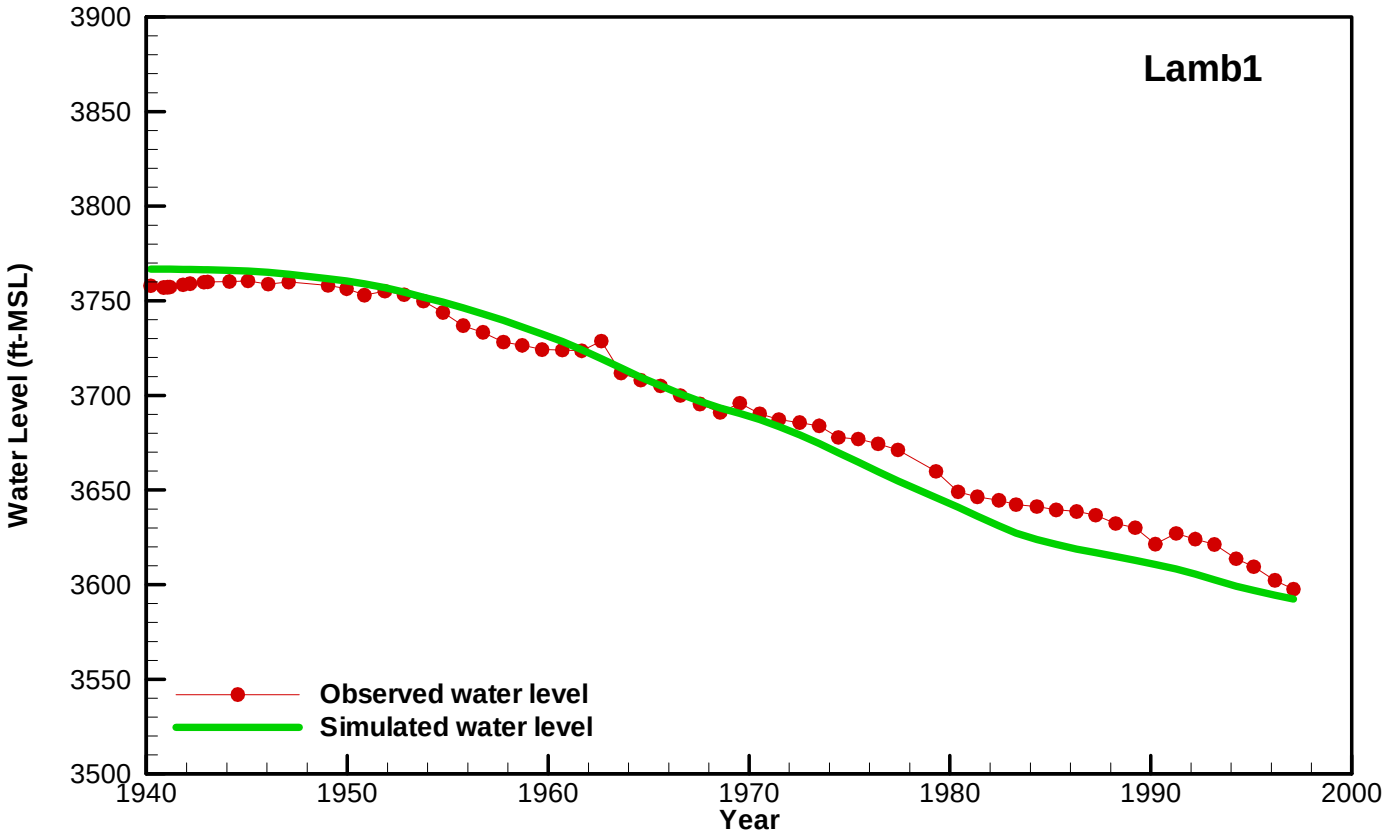

Hale3
Water Level (ft-MSL)
3350
3300
3250
3200
3150
3100
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

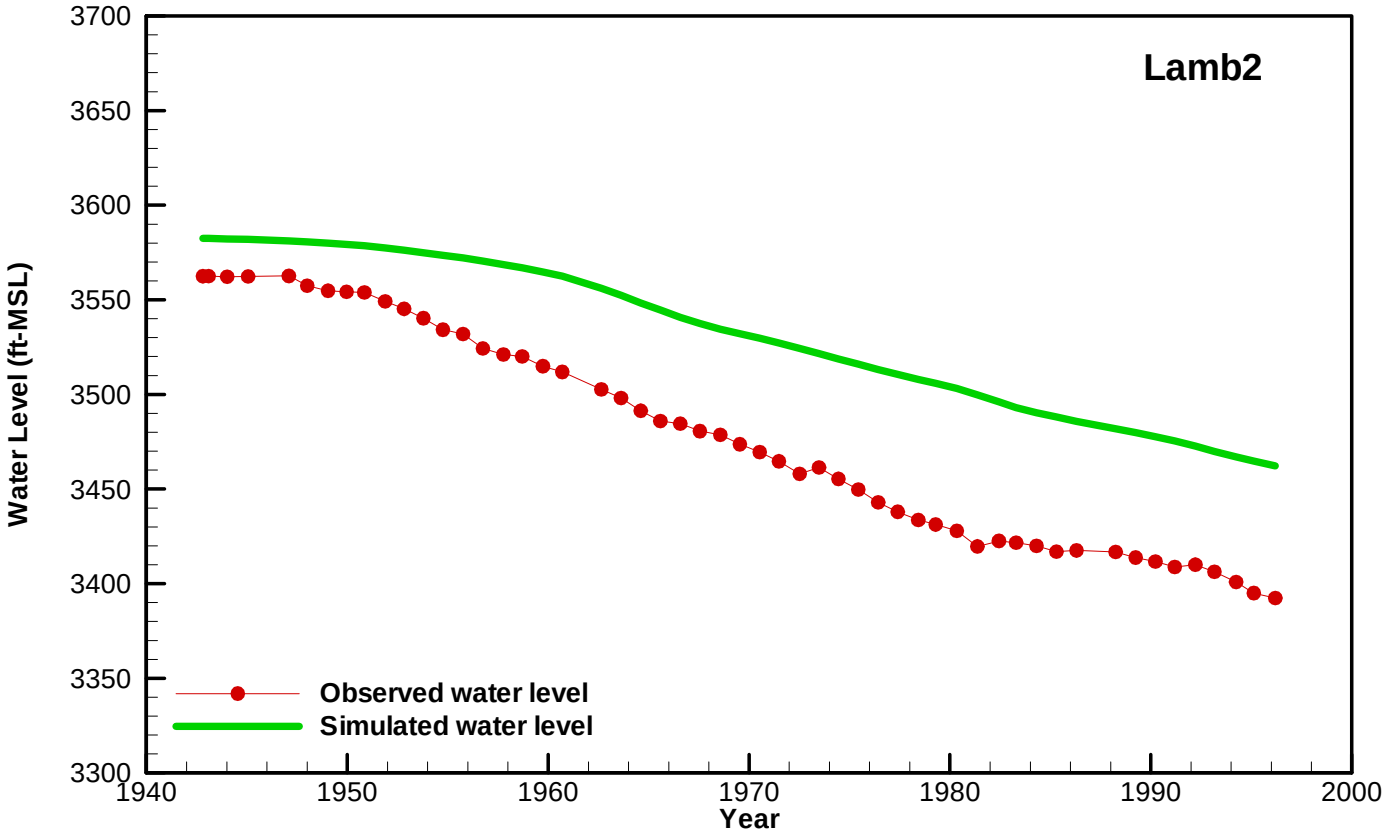

Hale4
Water Level (ft-MSL)
3300
3275
3250
3225
3200
3175
3150
3125
3100
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

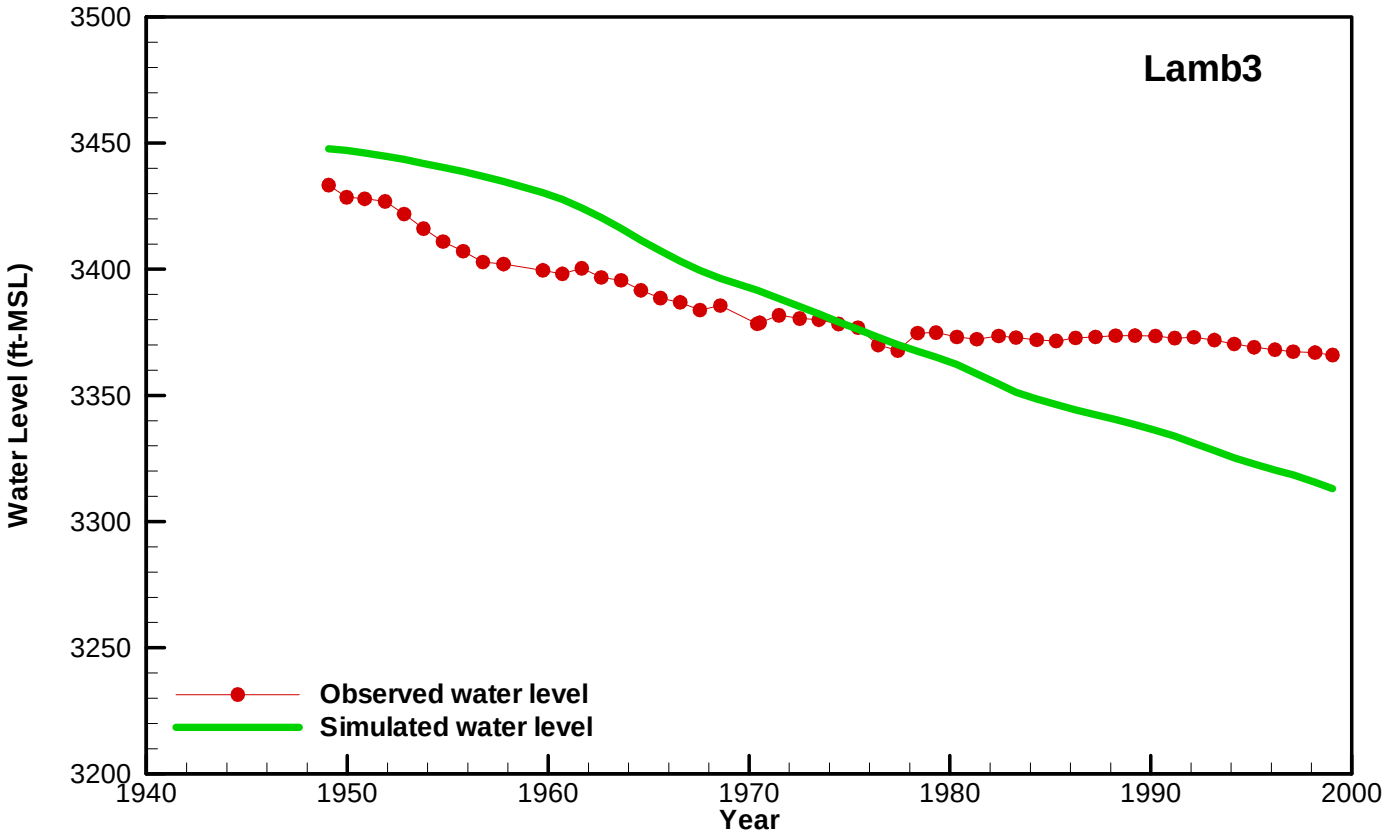

Hockley1
Water Level (ft-MSL)
3500
3450
3400
3350
3300
3250
3200
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

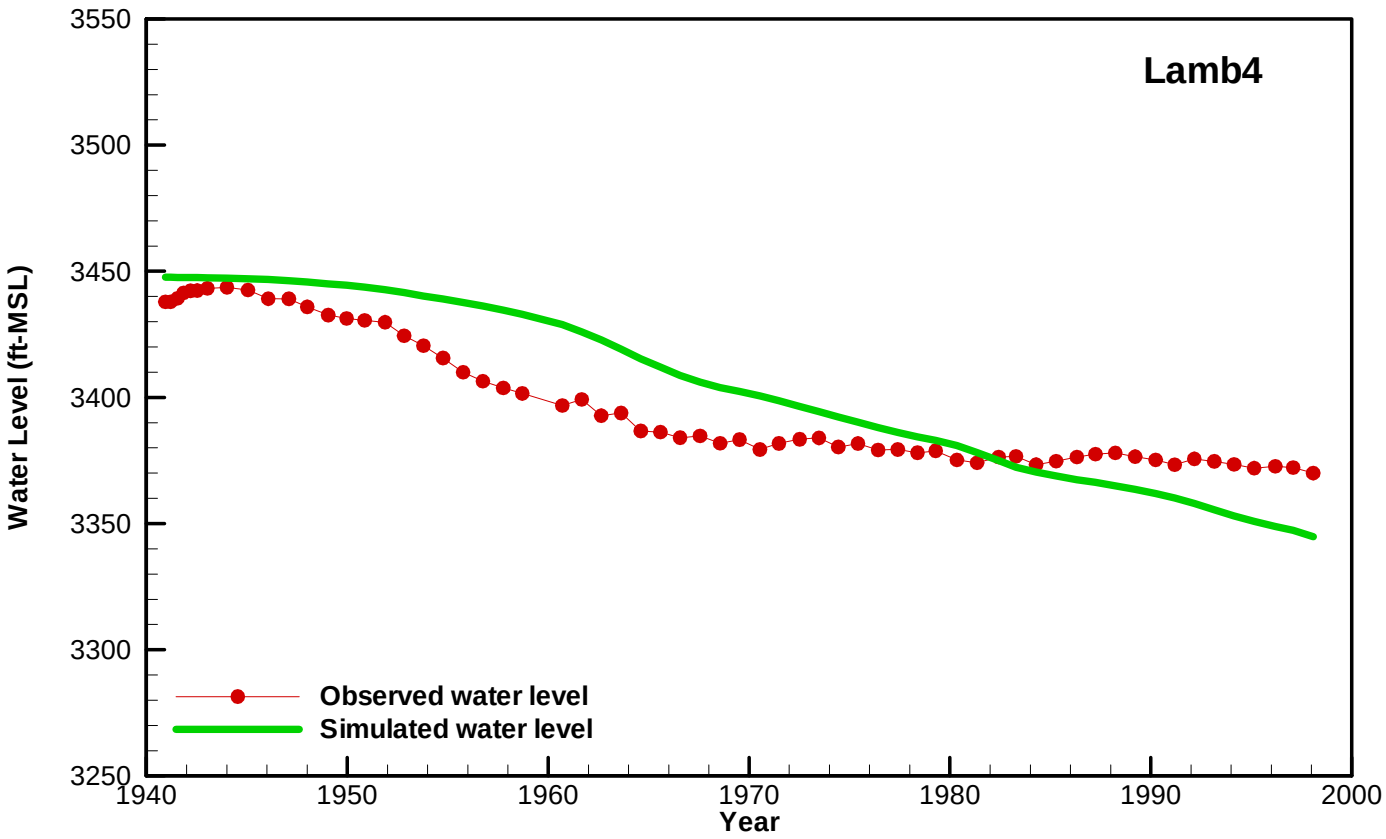

Hockley2
Water Level (ft-MSL)
3400
3350
3300
3250
3200
3150
3100
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

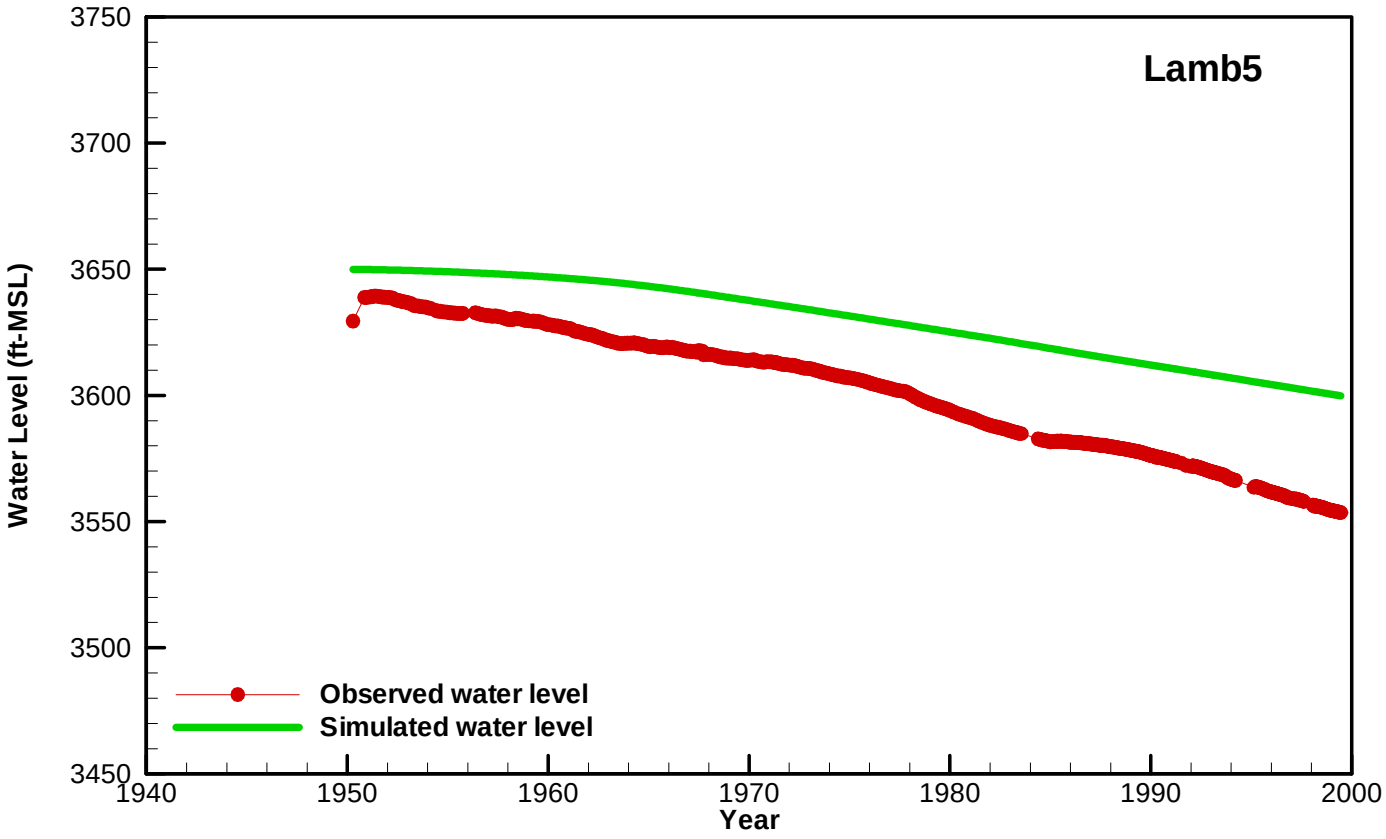

Hockley3
Water Level (ft-MSL)
3400
3350
3300
3250
3200
3150
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

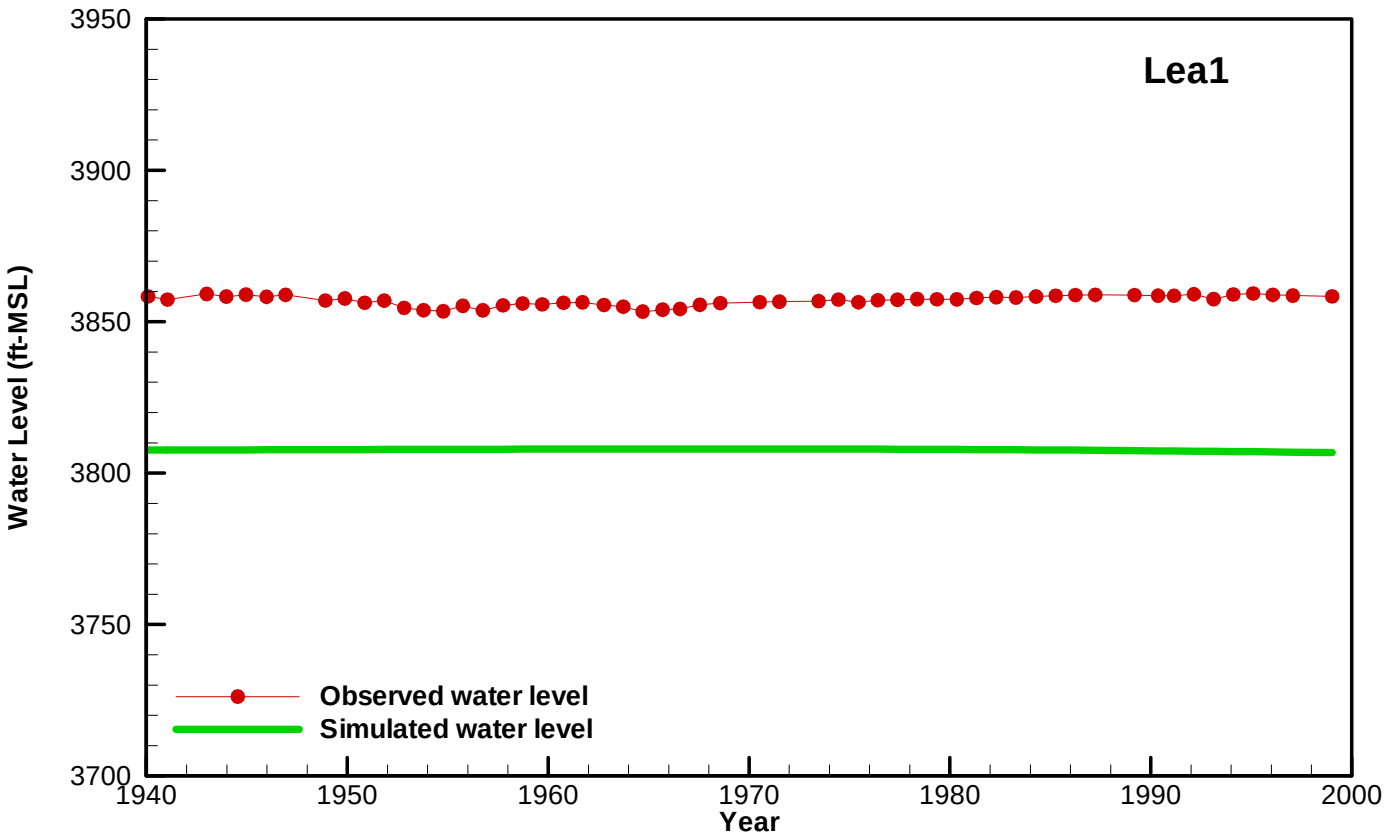

Lamb1
Water Level (ft-MSL)
3900
3850
3800
3750
3700
3650
3600
3550
3500
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

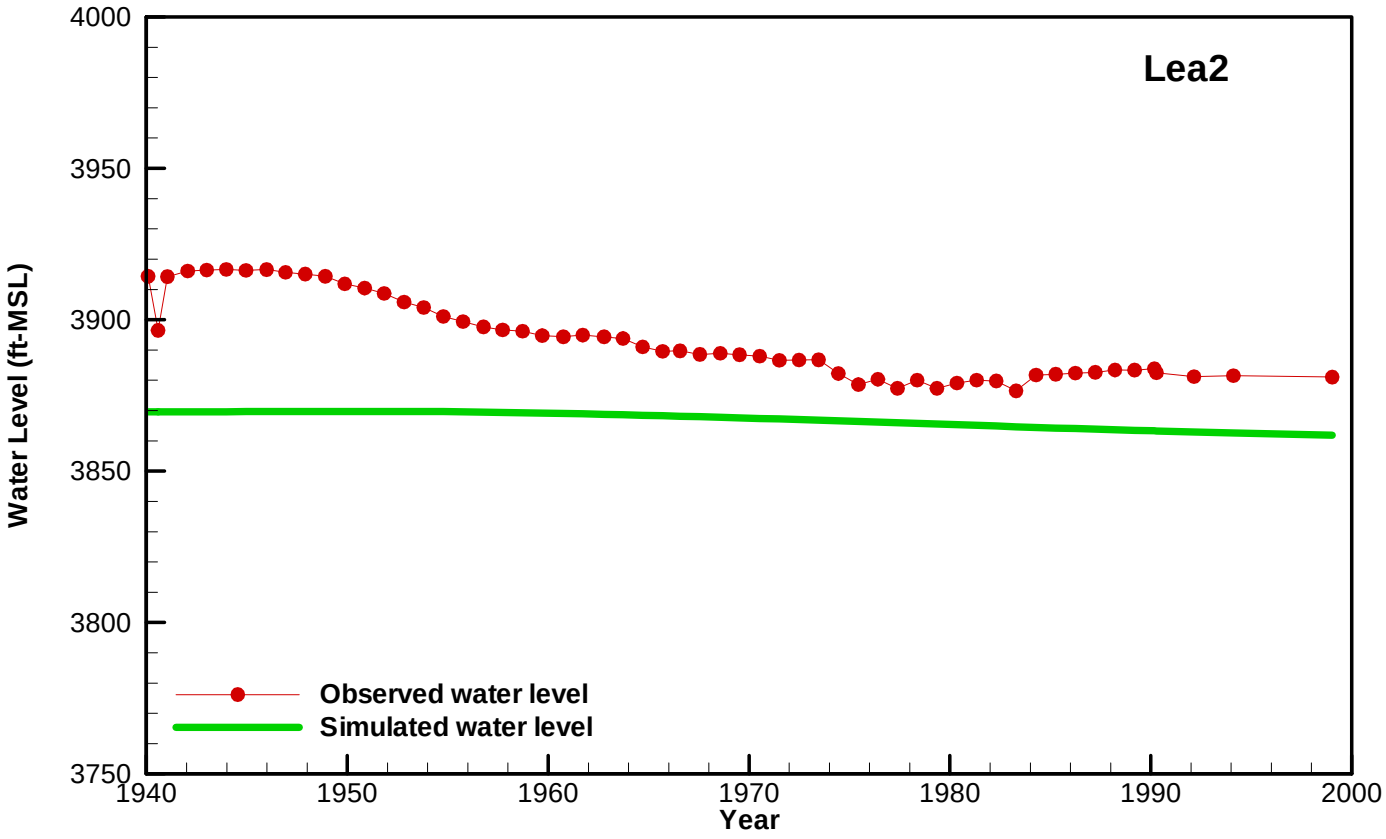

Lamb2
Water Level (ft-MSL)
3700
3650
3600
3550
3500
3450
3400
3350
3300
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

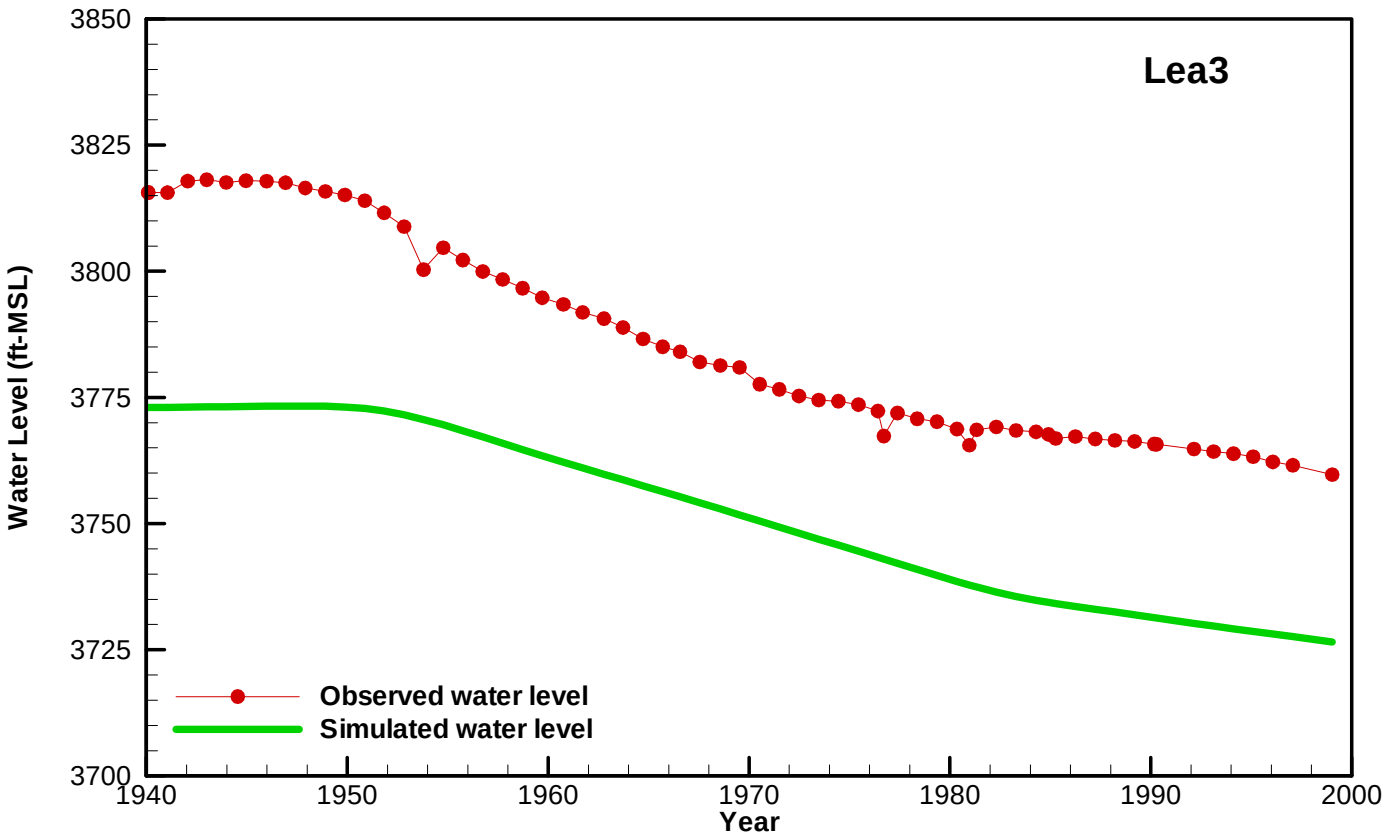

Lamb3
Water Level (ft-MSL)
3500
3450
3400
3350
3300
3250
3200
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

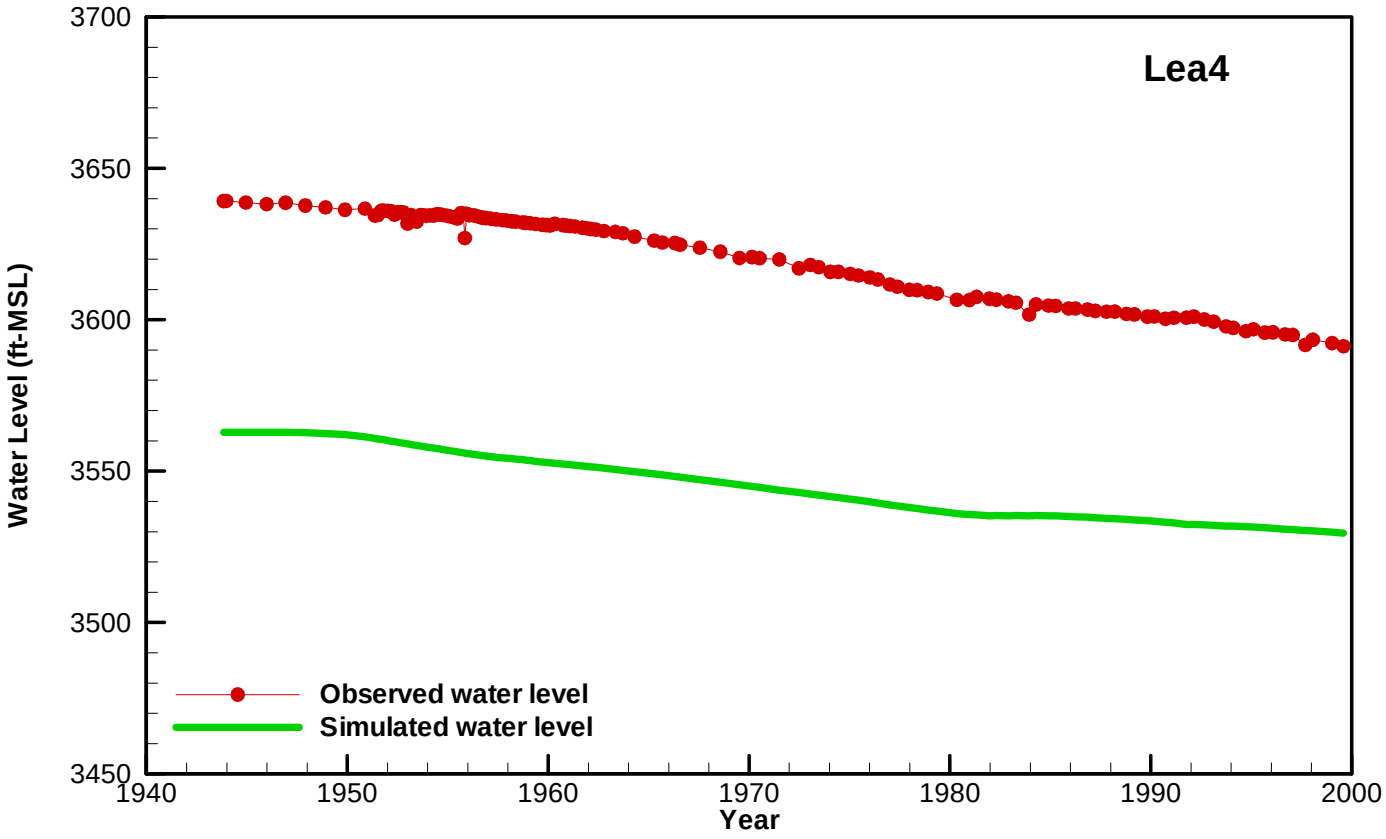

Lamb4
Water Level (ft-MSL)
3550
3500
3450
3400
3350
3300
3250
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

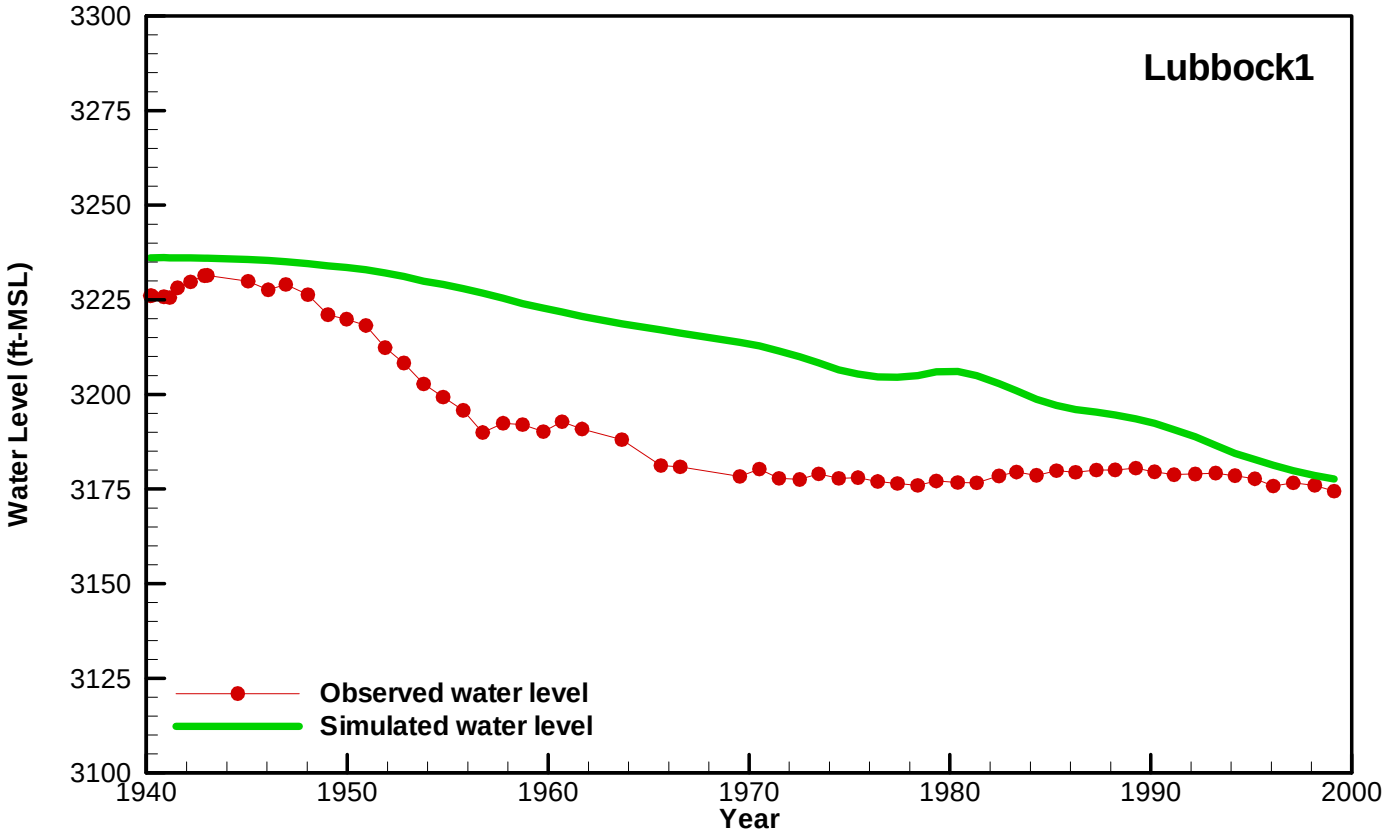

Lamb5
Water Level (ft-MSL)
3750
3700
3650
3600
3550
3500
3450
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

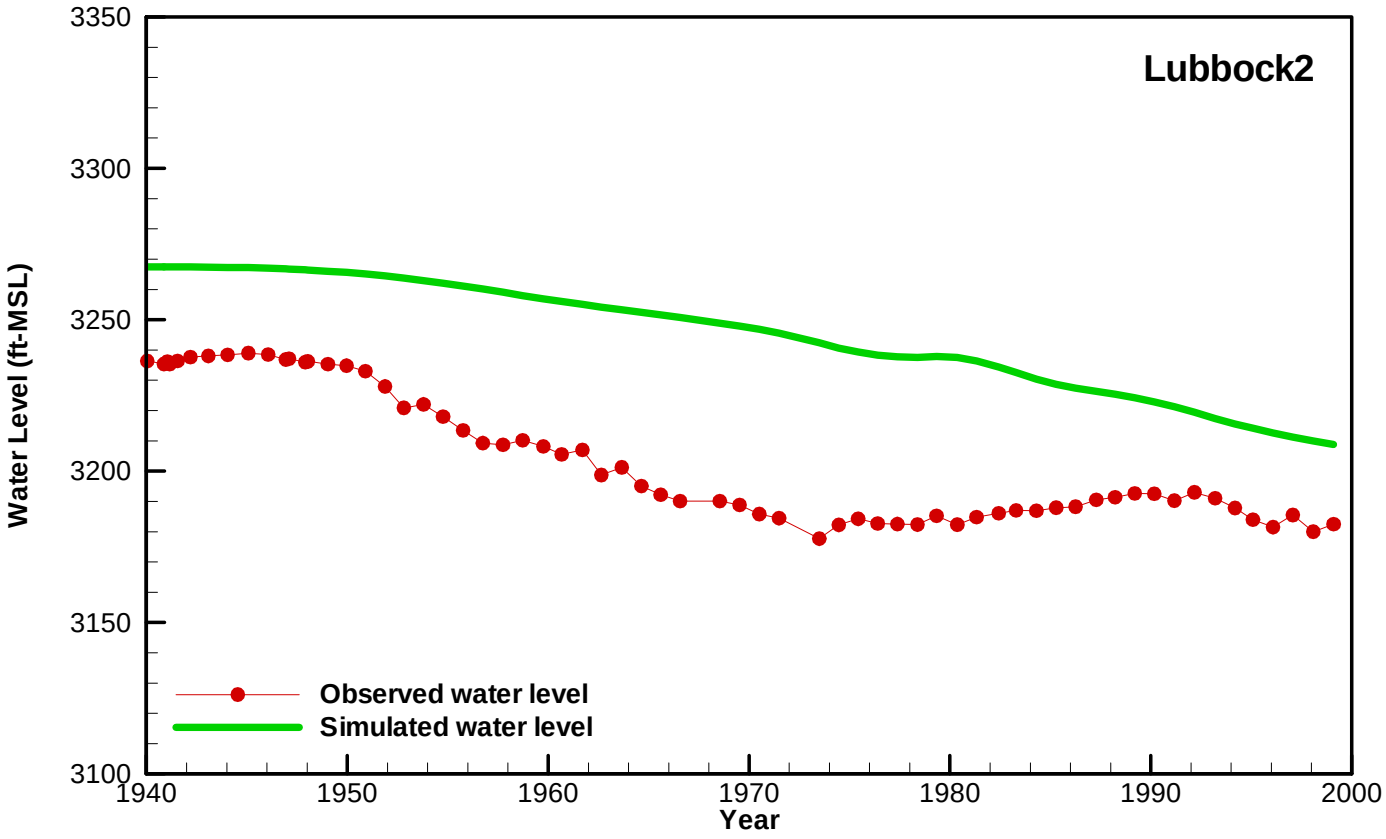

Lea1
Water Level (ft-MSL)
3950
3900
3850
3800
3750
3700
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

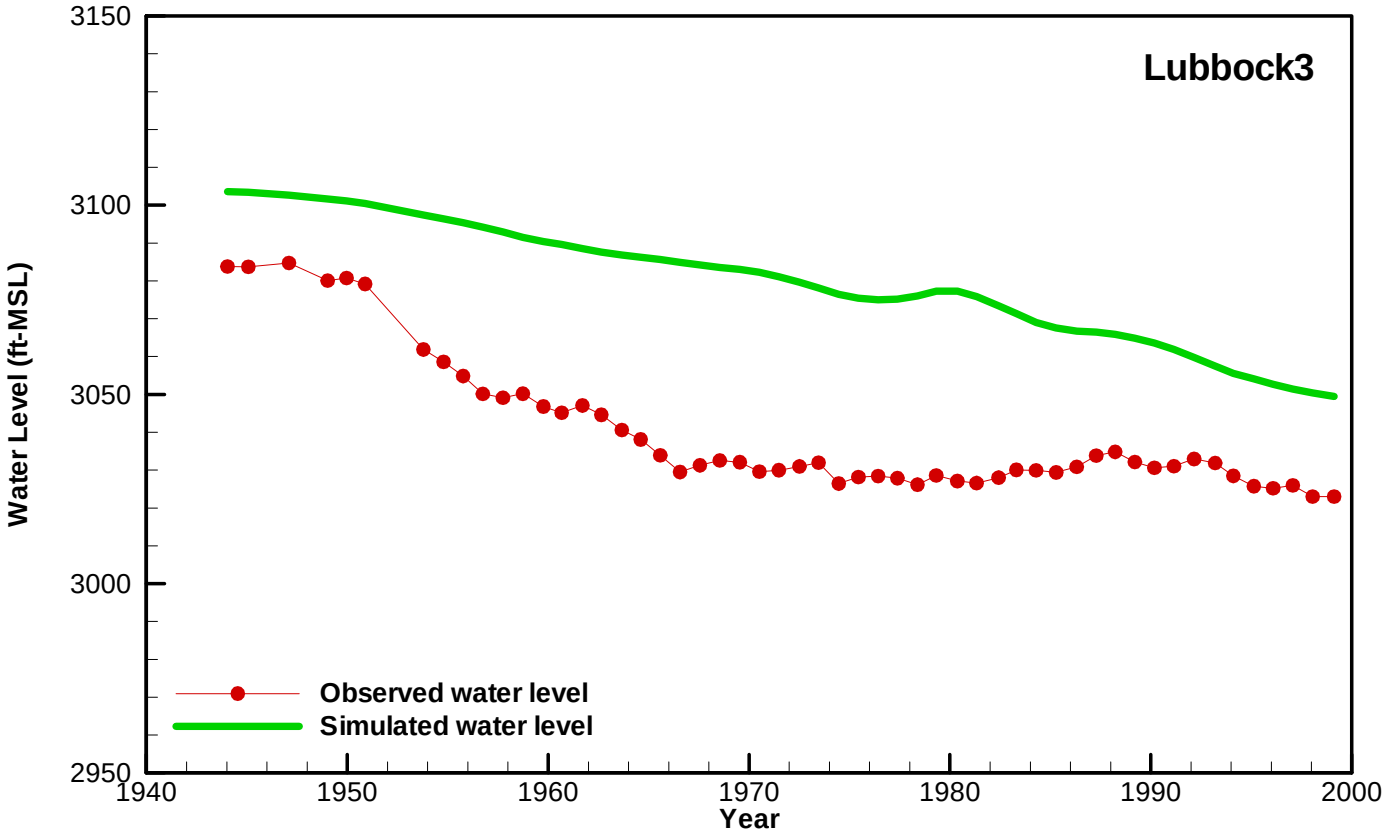

Lea2
Water Level (ft-MSL)
4000
3950
3900
3850
3800
3750
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

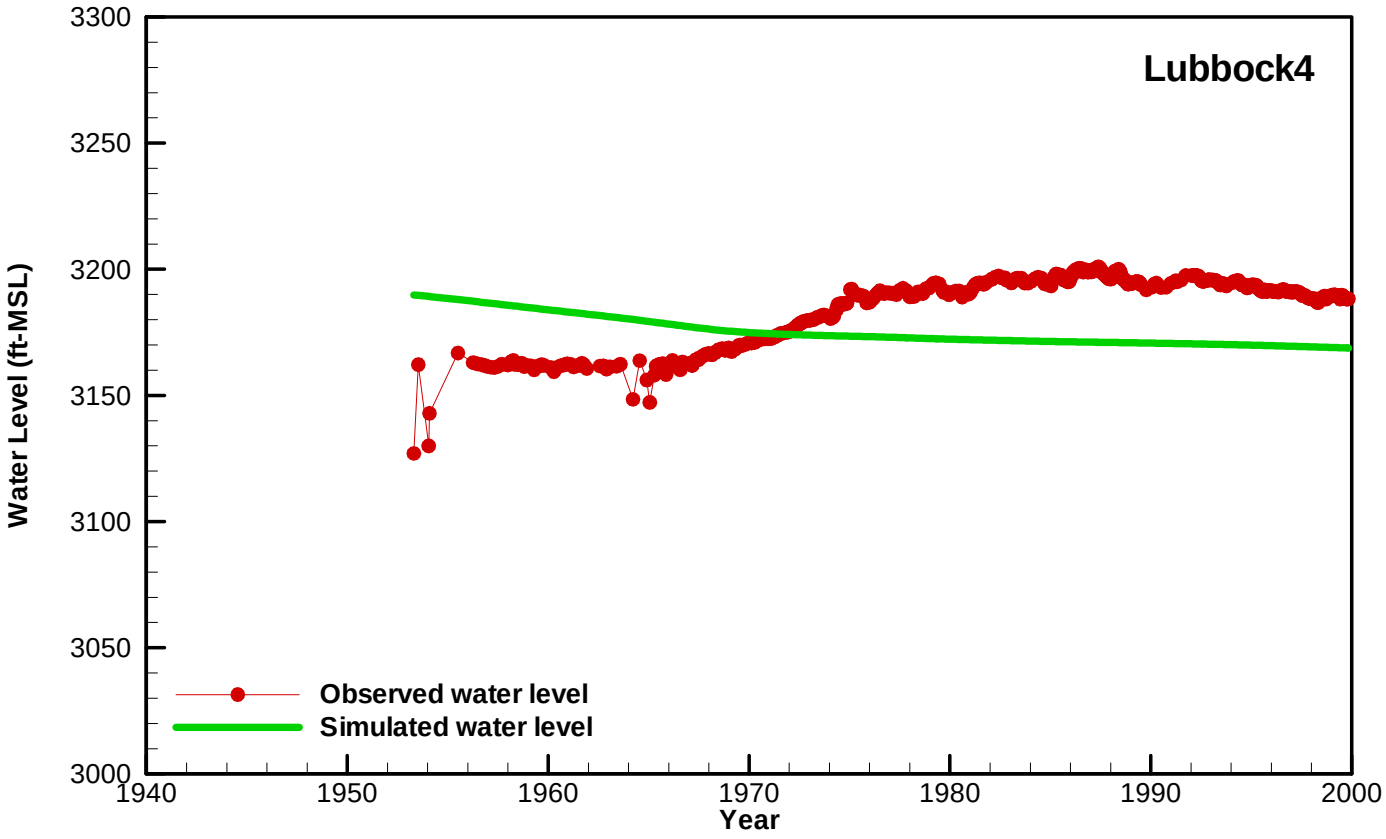

Lea3
Water Level (ft-MSL)
3850
3825
3800
3775
3750
3725
3700
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

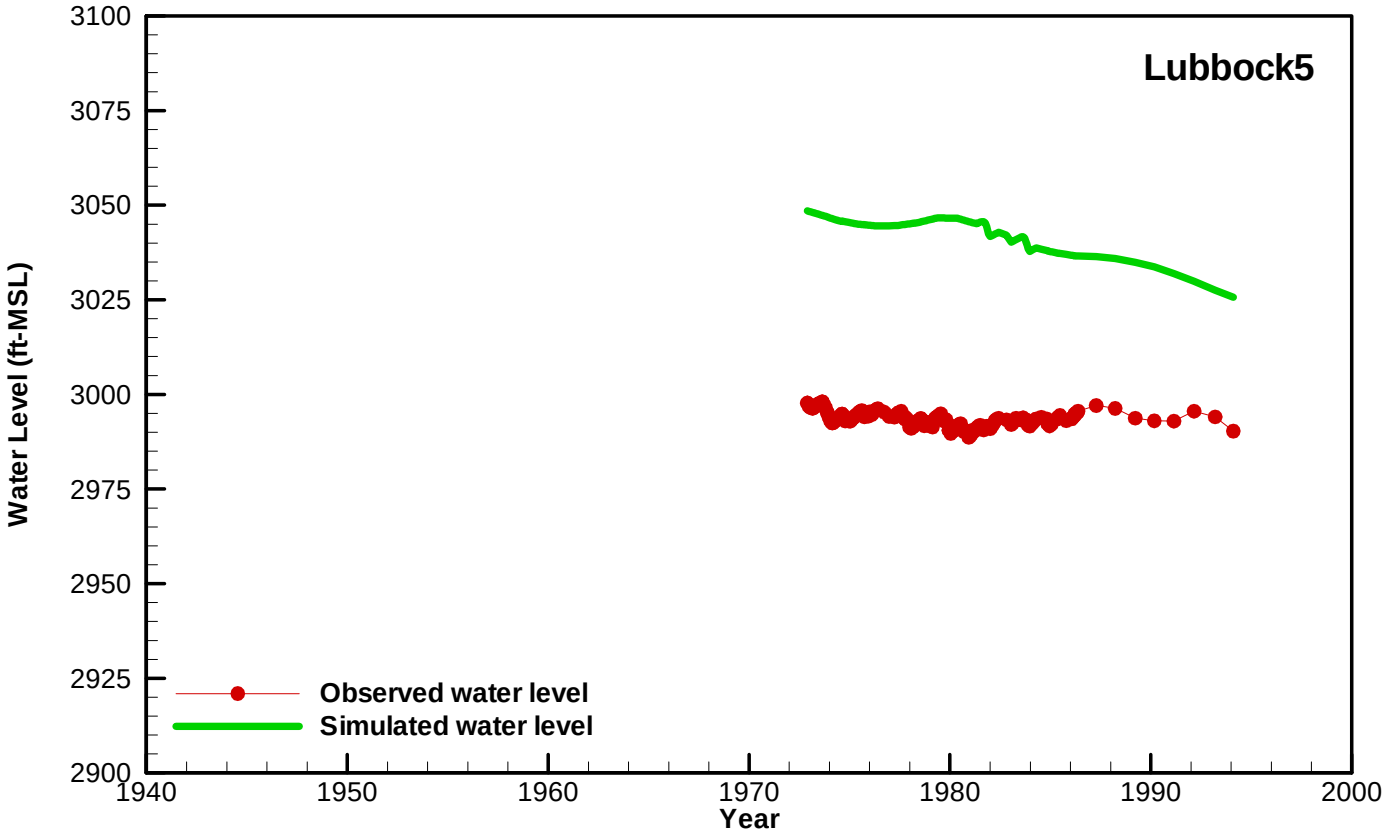

Lea4
Water Level (ft-MSL)
3700
3650
3600
3550
3500
3450
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

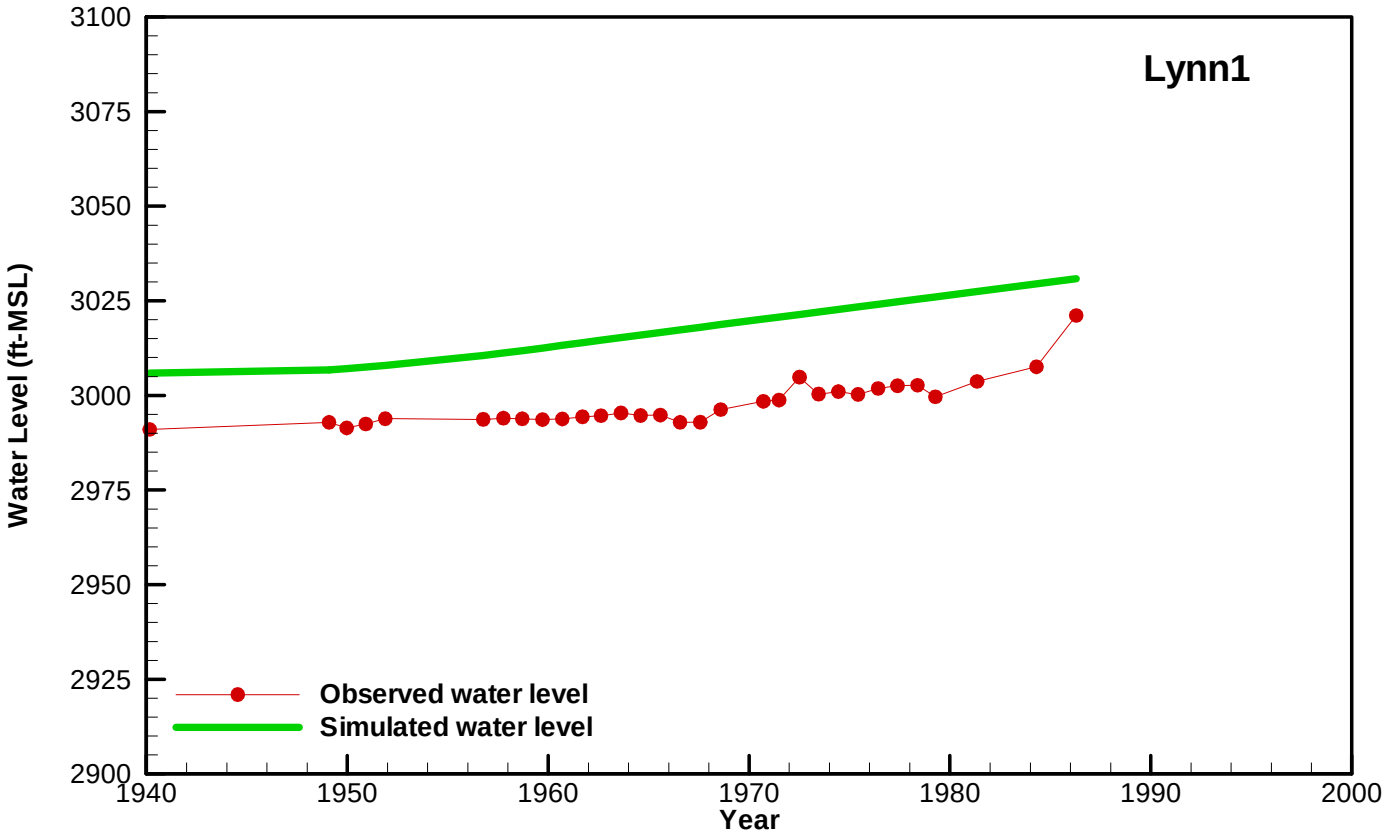

Lubbock1
Water Level (ft-MSL)
3300
3275
3250
3225
3200
3175
3150
3125
3100
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

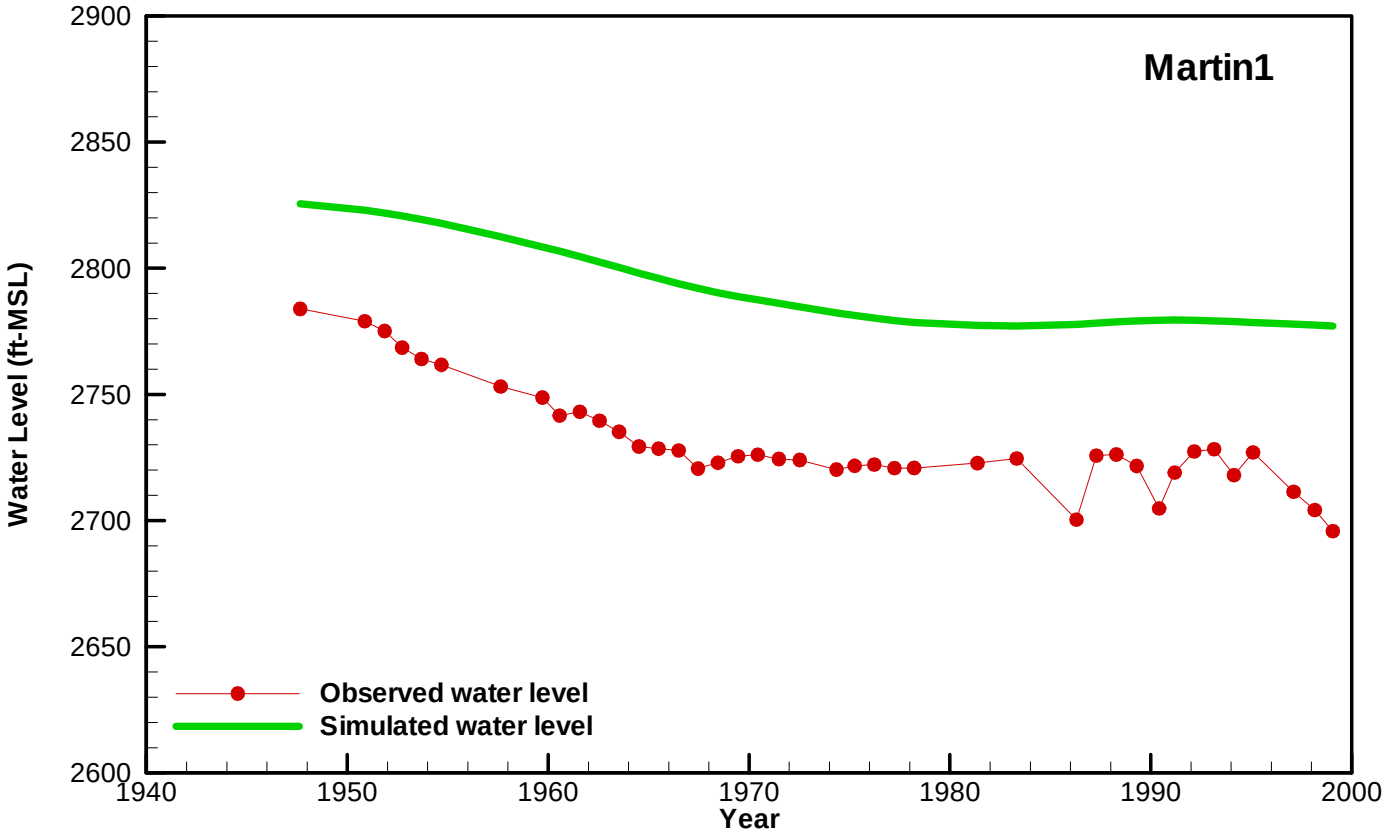

Lubbock2
Water Level (ft-MSL)
3350
3300
3250
3200
3150
3100
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

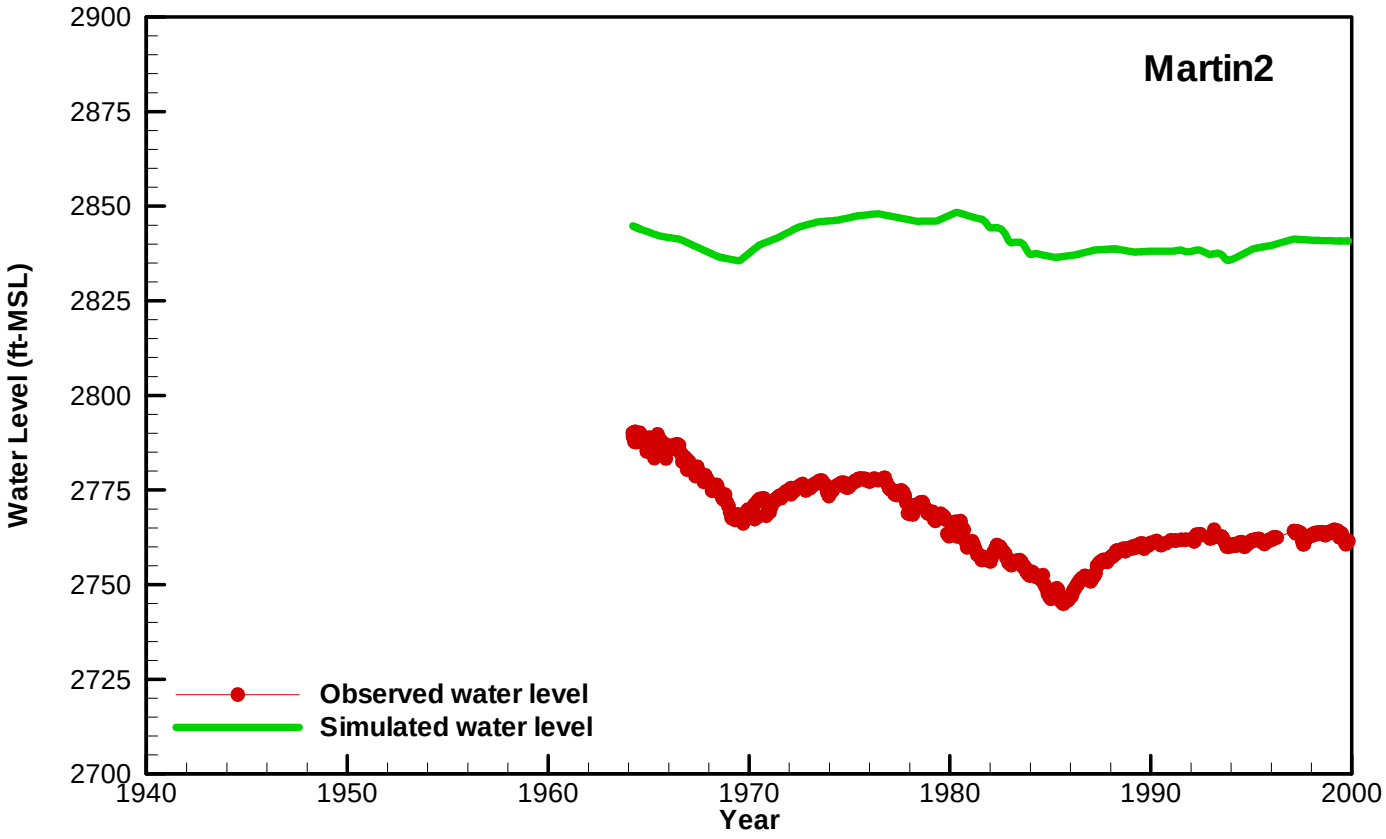

Lubbock3
Water Level (ft-MSL)
3150
3100
3050
3000
2950
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

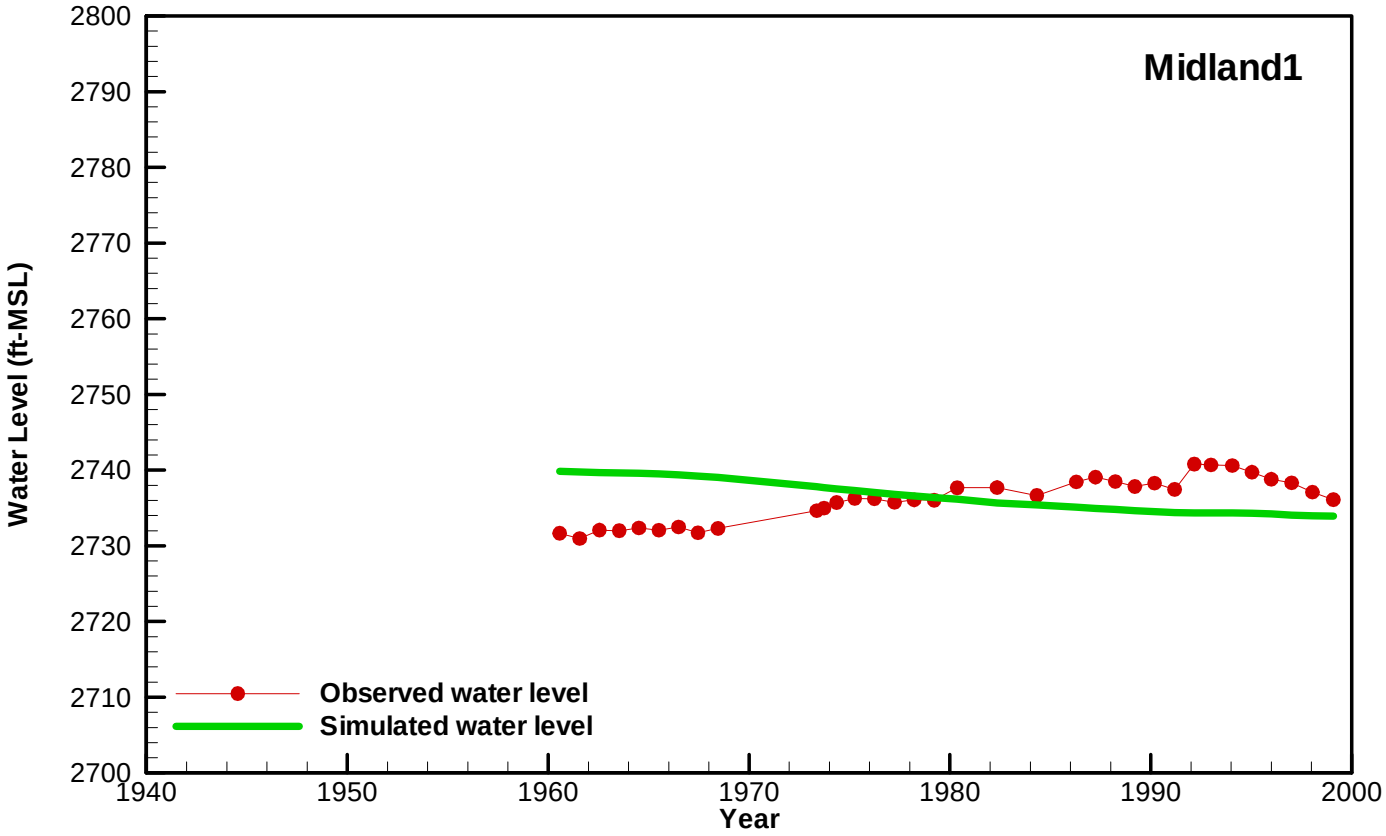

Lubbock4
Water Level (ft-MSL)
3300
3250
3200
3150
3100
3050
3000
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

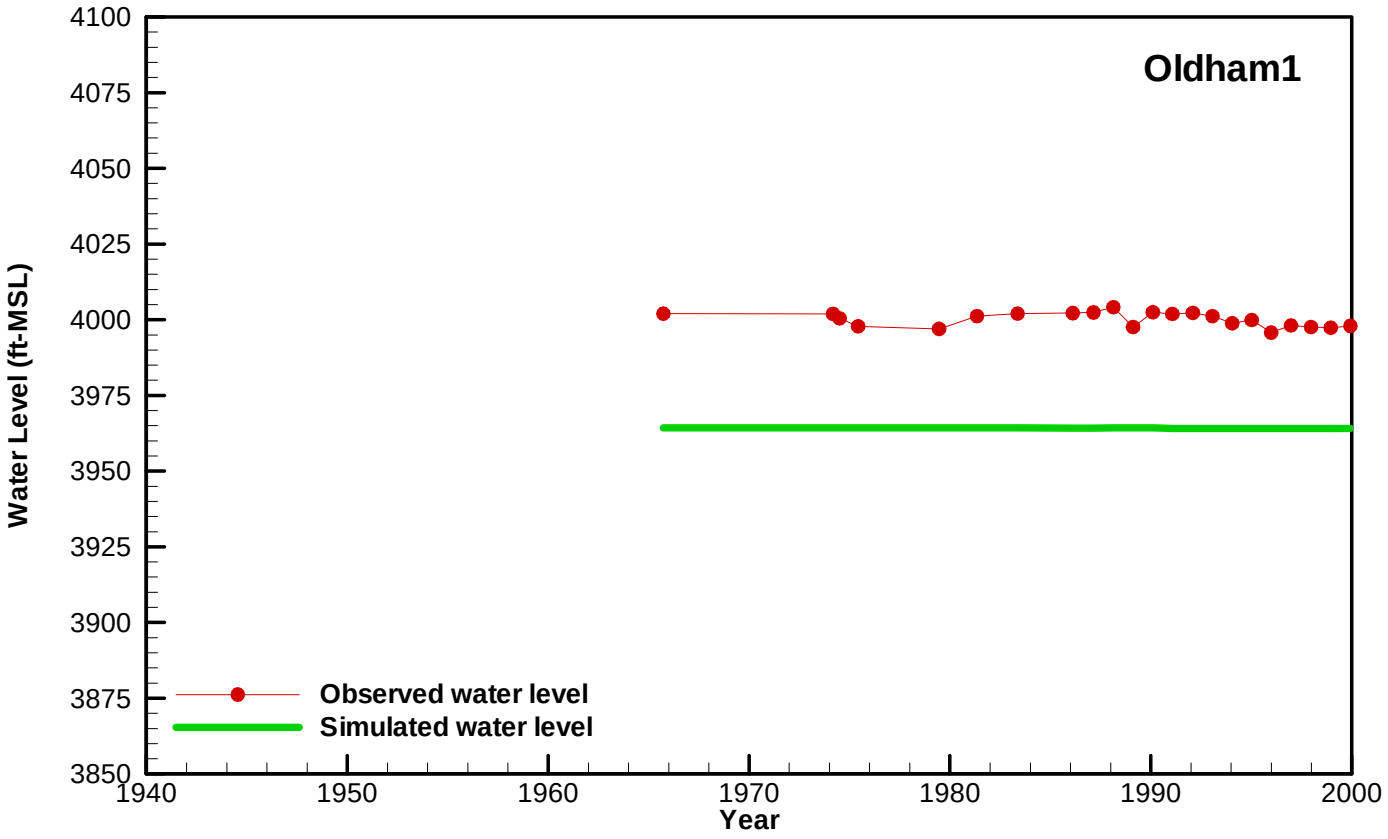

Lubbock5
Water Level (ft-MSL)
3100
3075
3050
3025
3000
2975
2950
2925
2900
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

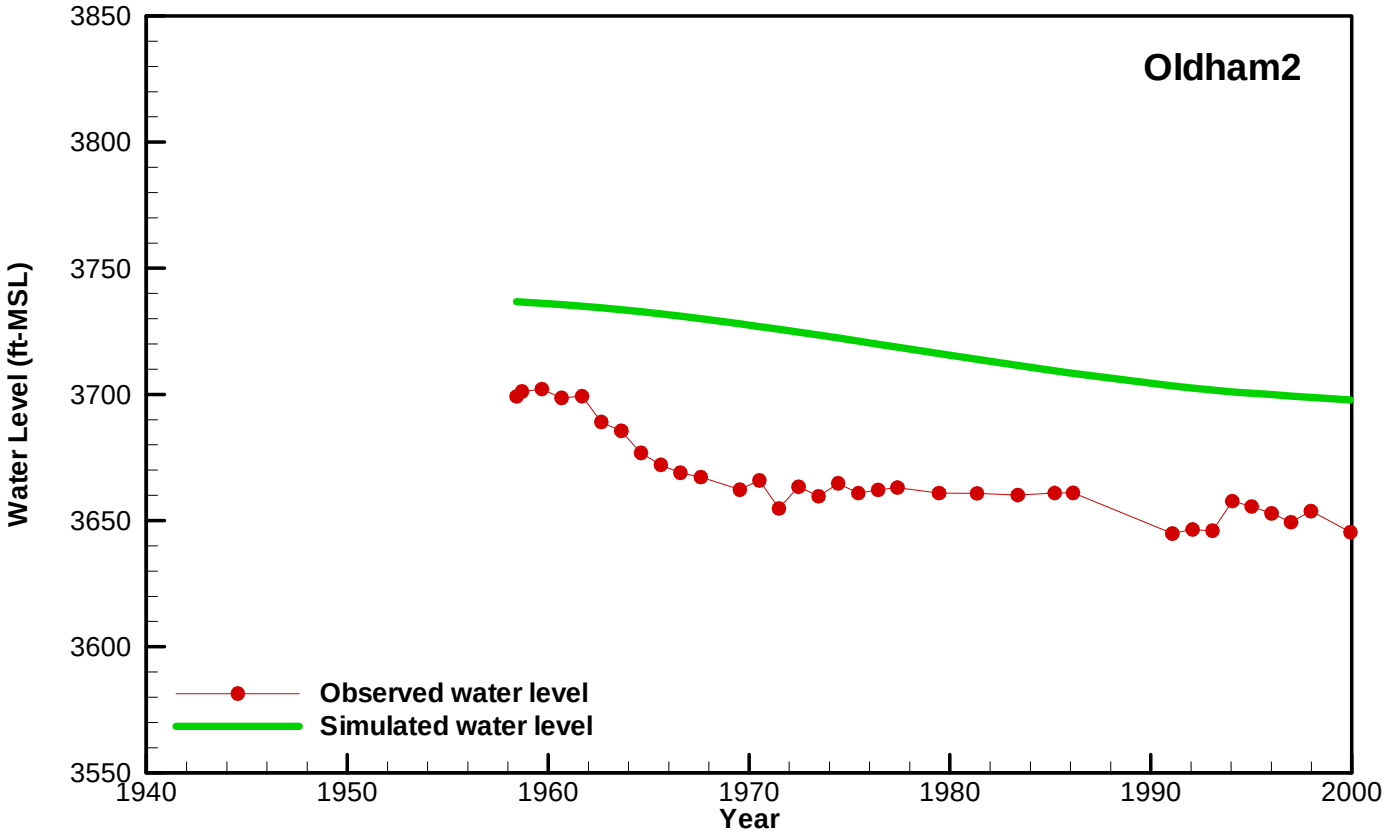

Lynn1
Water Level (ft-MSL)
3100
3075
3050
3025
3000
2975
2950
2925
2900
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

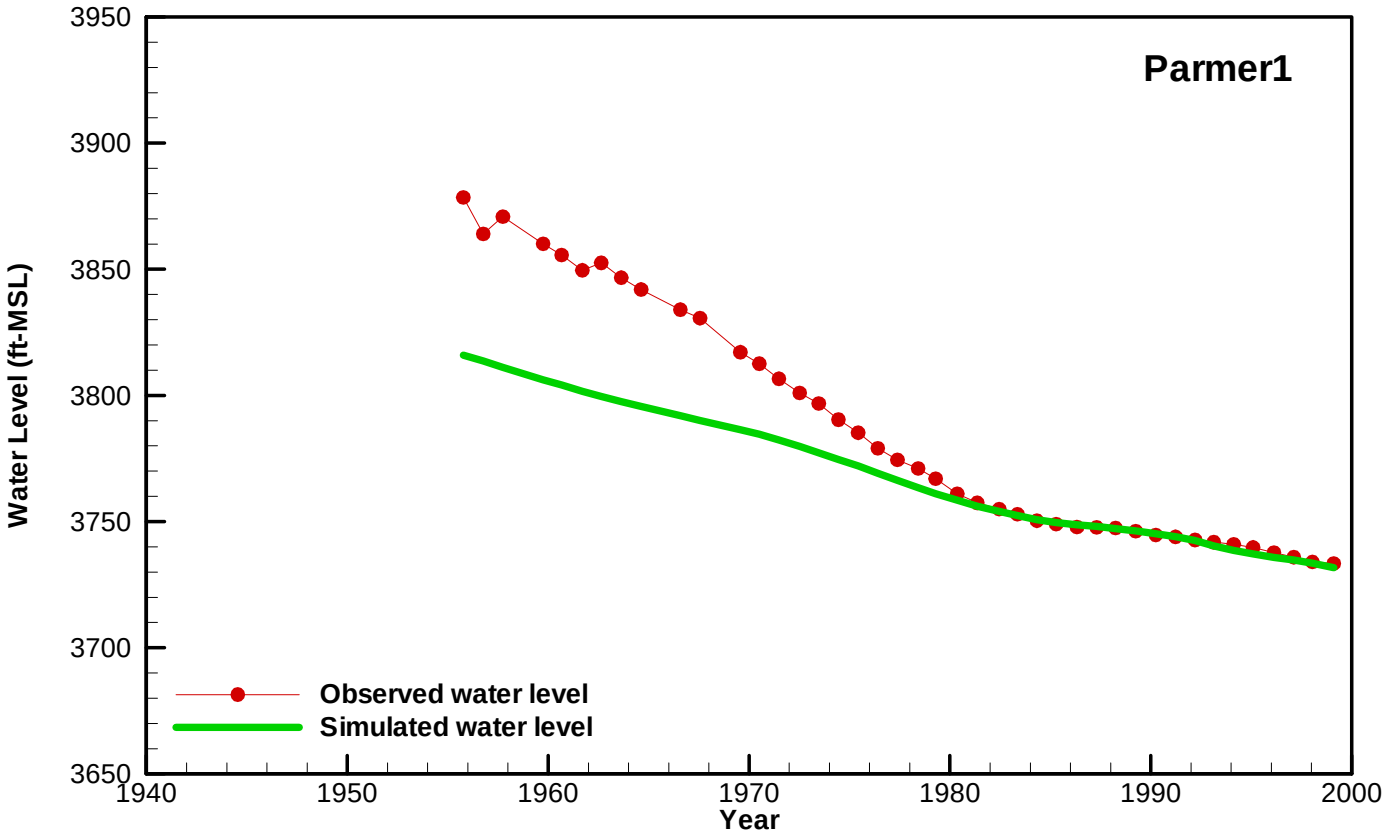

Martin1
Water Level (ft-MSL)
2900
2850
2800
2750
2700
2650
2600
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

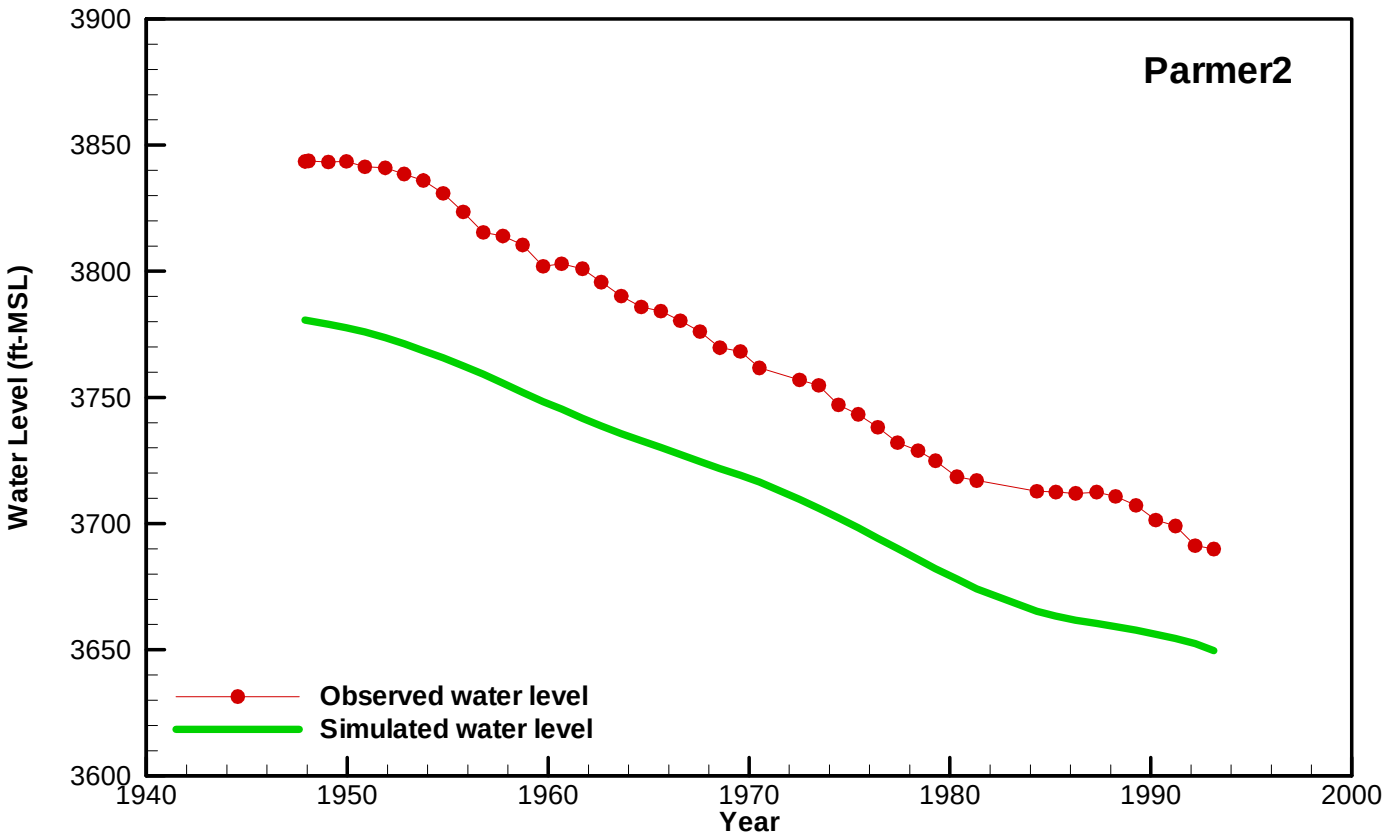

Martin2
Water Level (ft-MSL)
2900
2875
2850
2825
2800
2775
2750
2725
2700
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

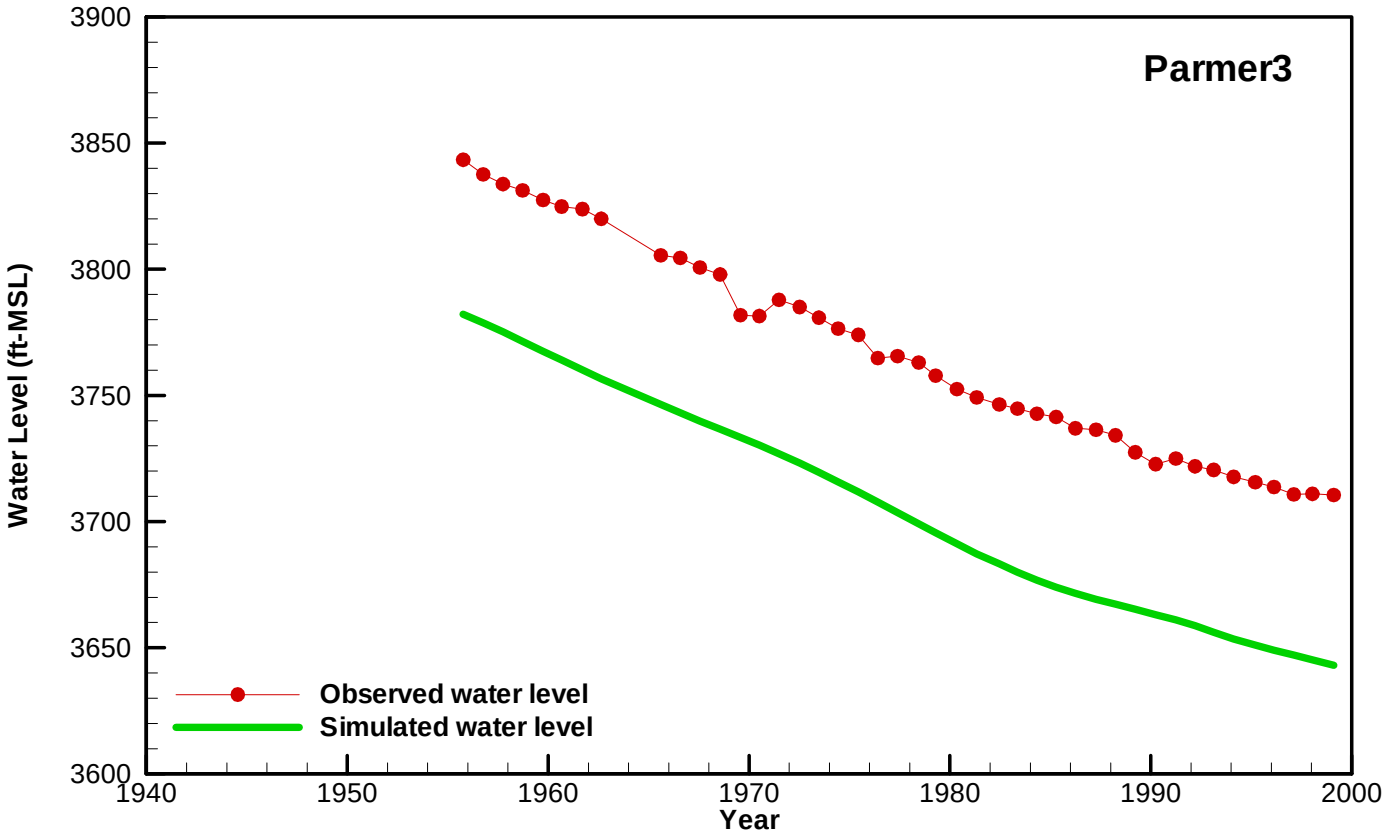

Midland1
Water Level (ft-MSL)
2800
2790
2780
2770
2760
2750
2740
2730
2720
2710
2700
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

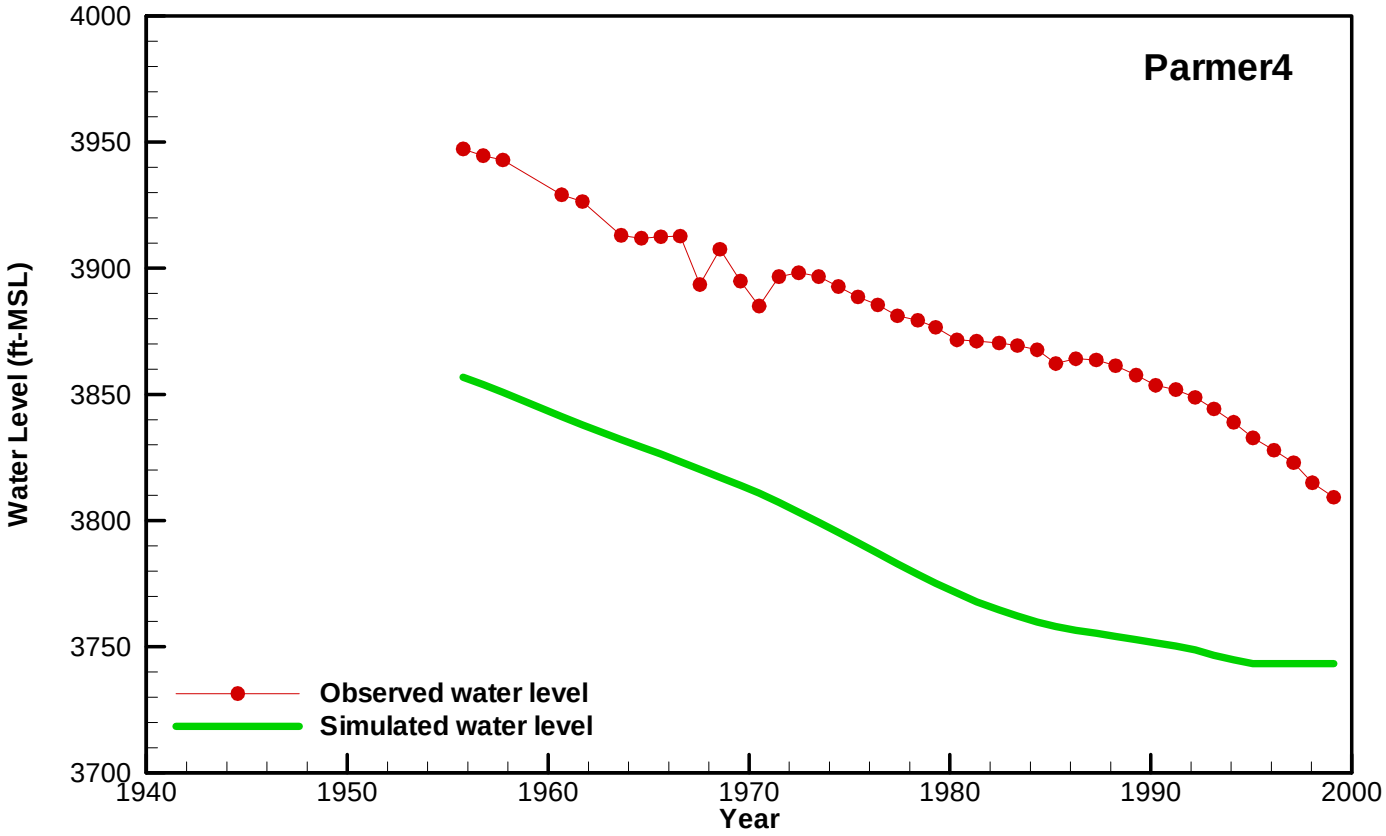

Oldham1
Water Level (ft-MSL)
4100
4075
4050
4025
4000
3975
3950
3925
3900
3875
3850
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

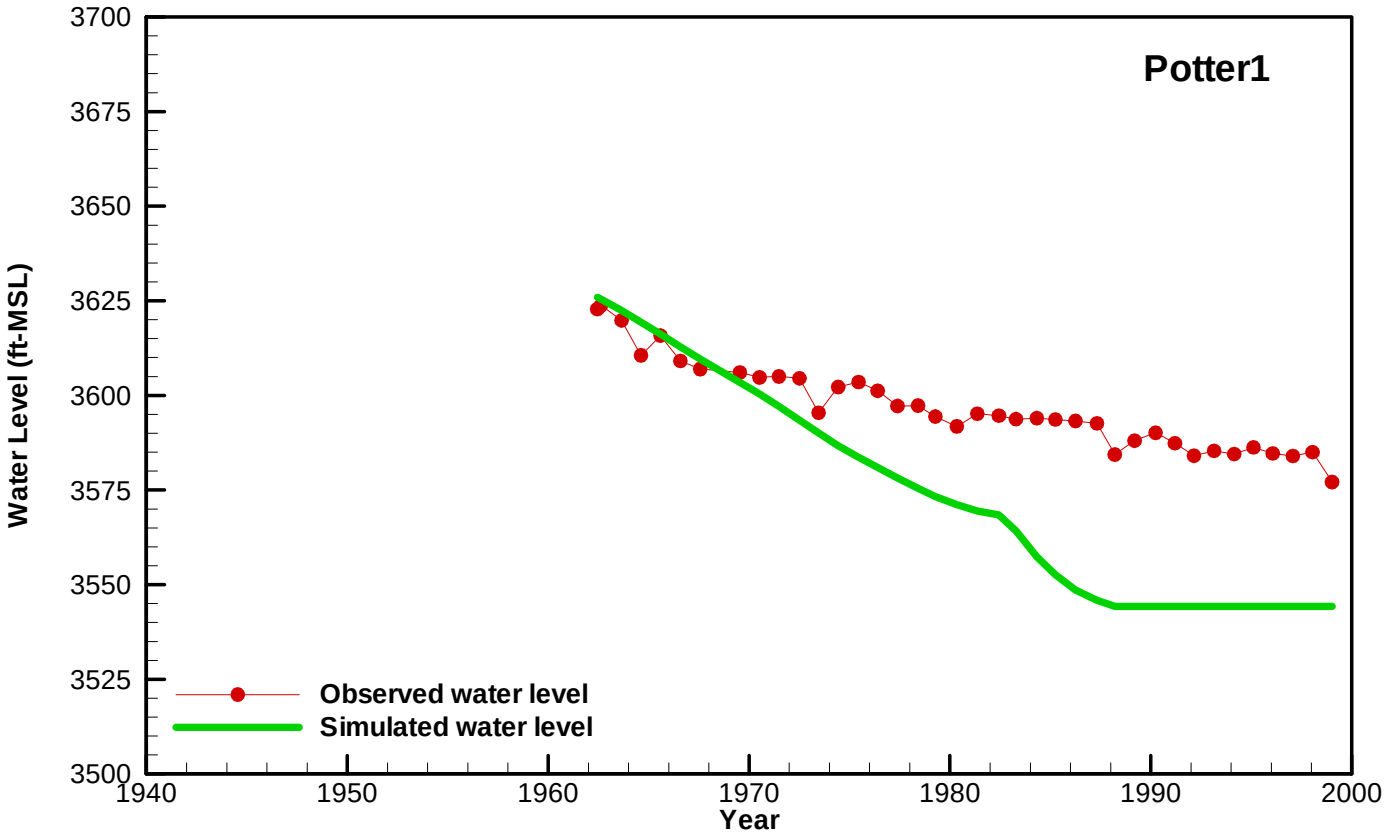

Oldham2
Water Level (ft-MSL)
3850
3800
3750
3700
3650
3600
3550
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

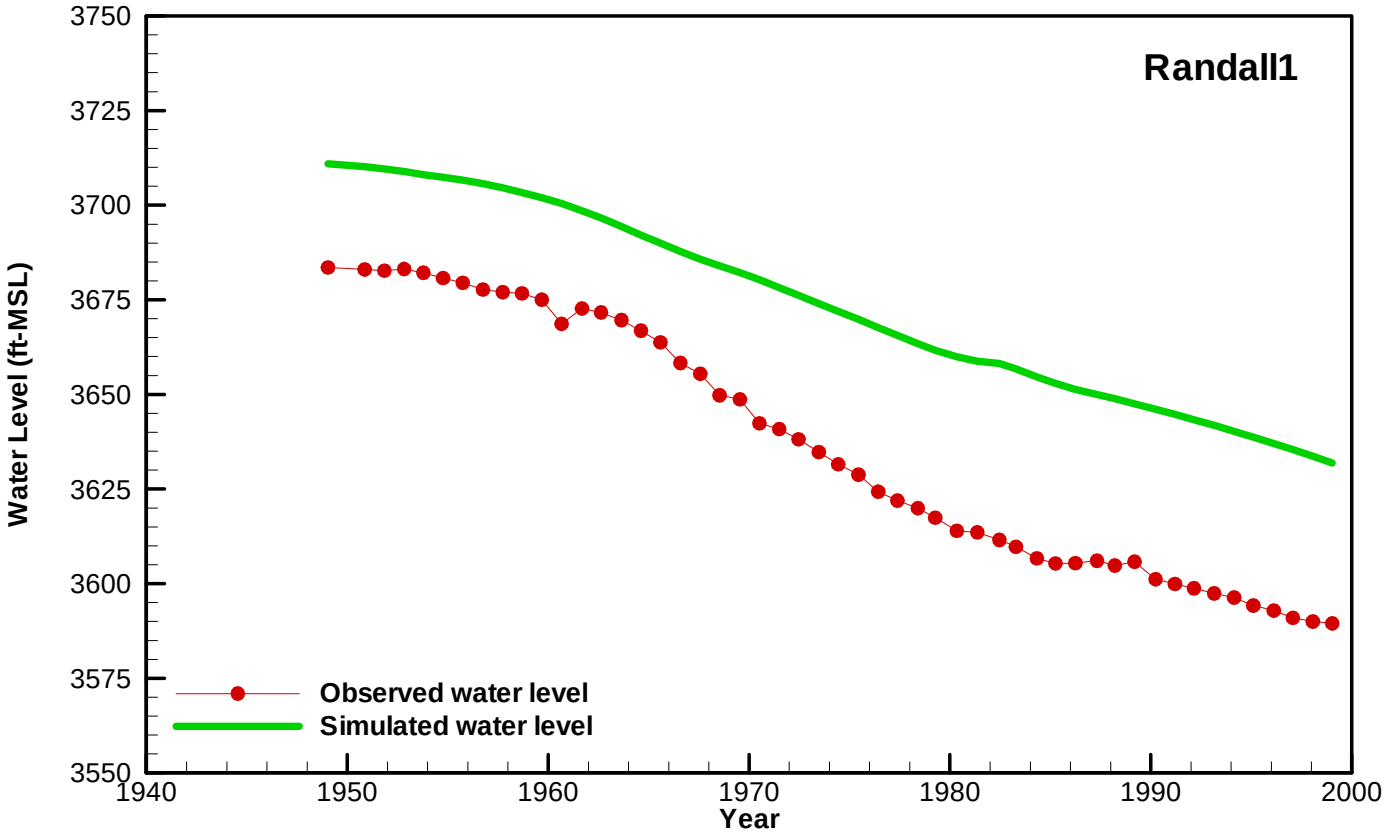

Parmer1
Water Level (ft-MSL)
3950
3900
3850
3800
3750
3700
3650
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

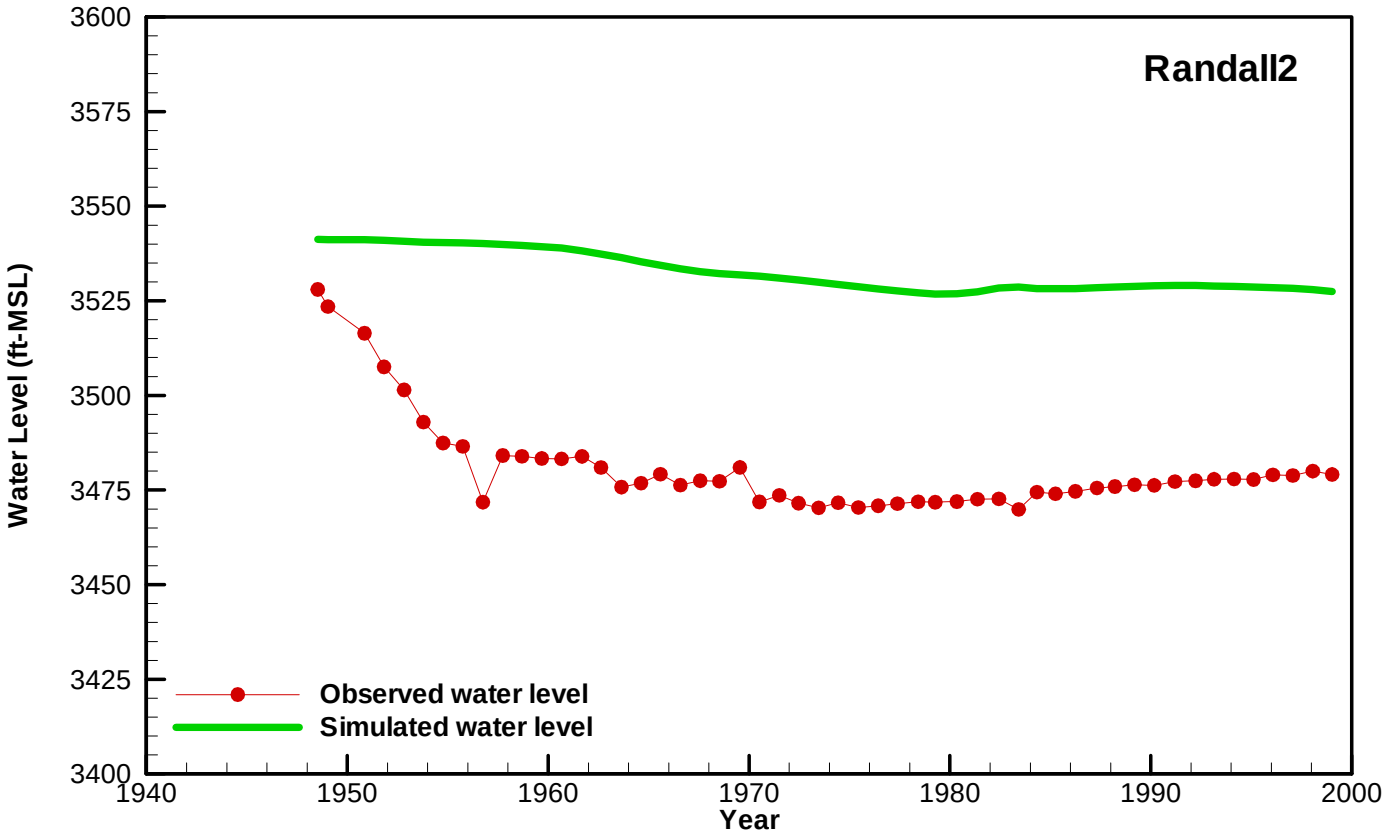

Parmer2
Water Level (ft-MSL)
3900
3850
3800
3750
3700
3650
3600
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

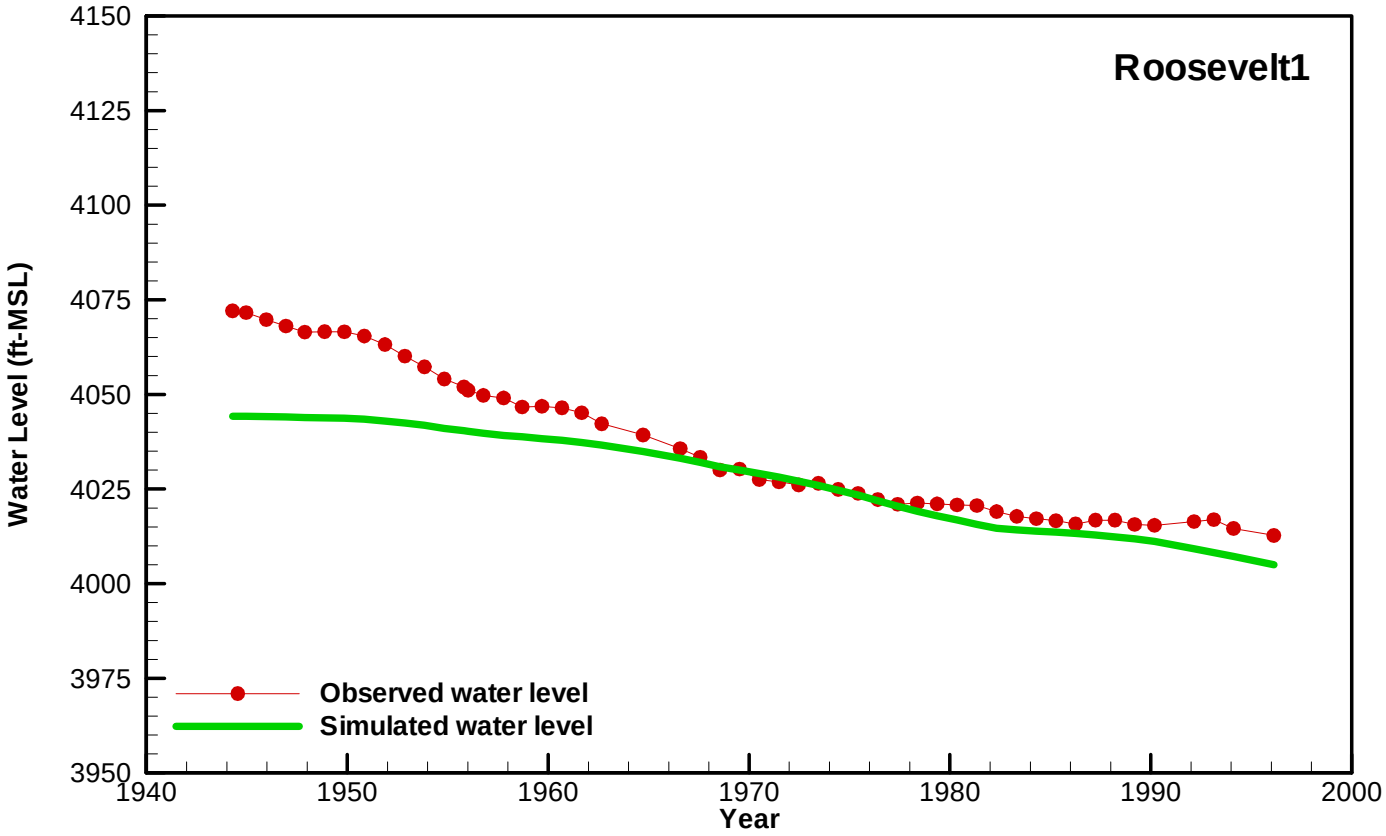

Parmer3
Water Level (ft-MSL)
3900
3850
3800
3750
3700
3650
3600
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

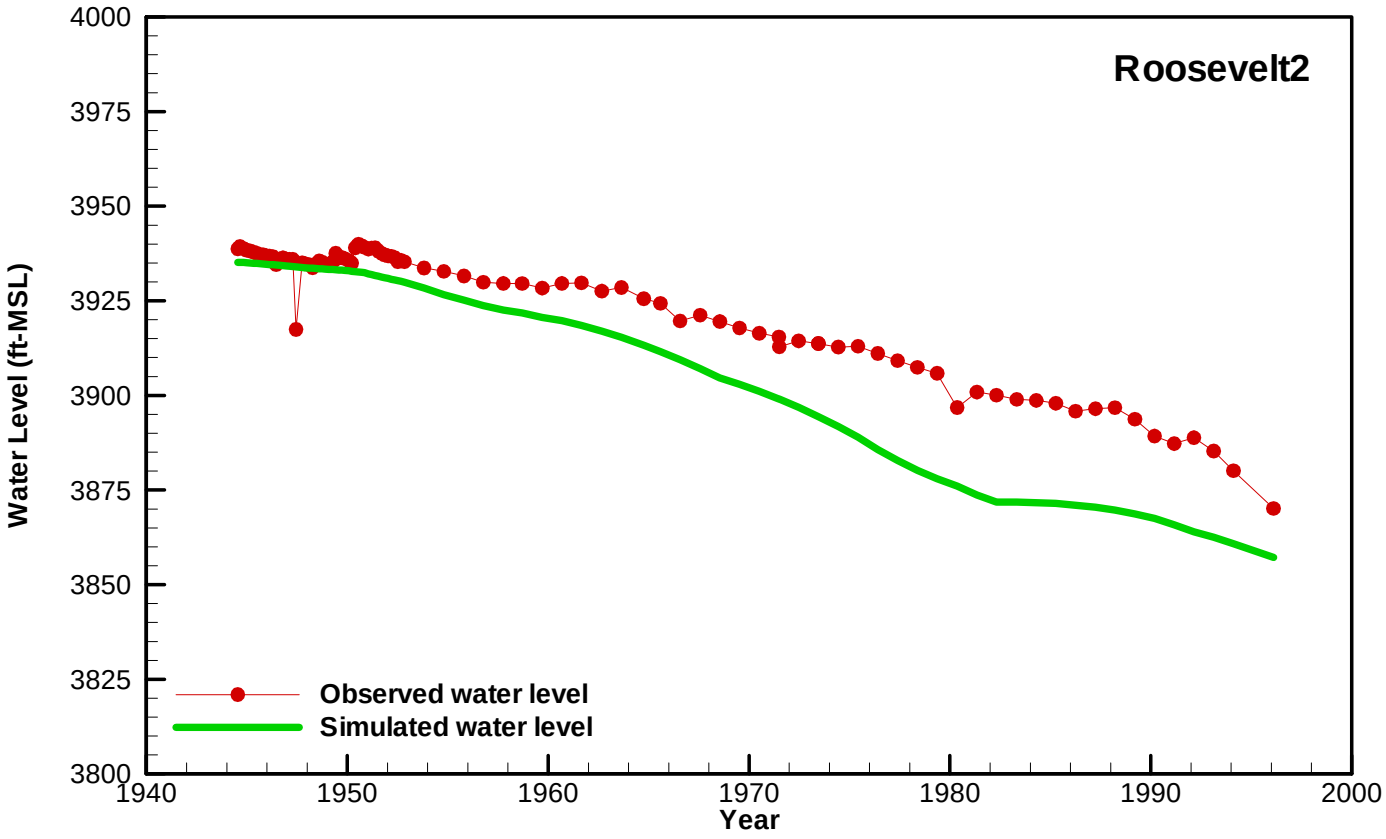

Parmer4
Water Level (ft-MSL)
4000
3950
3900
3850
3800
3750
3700
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

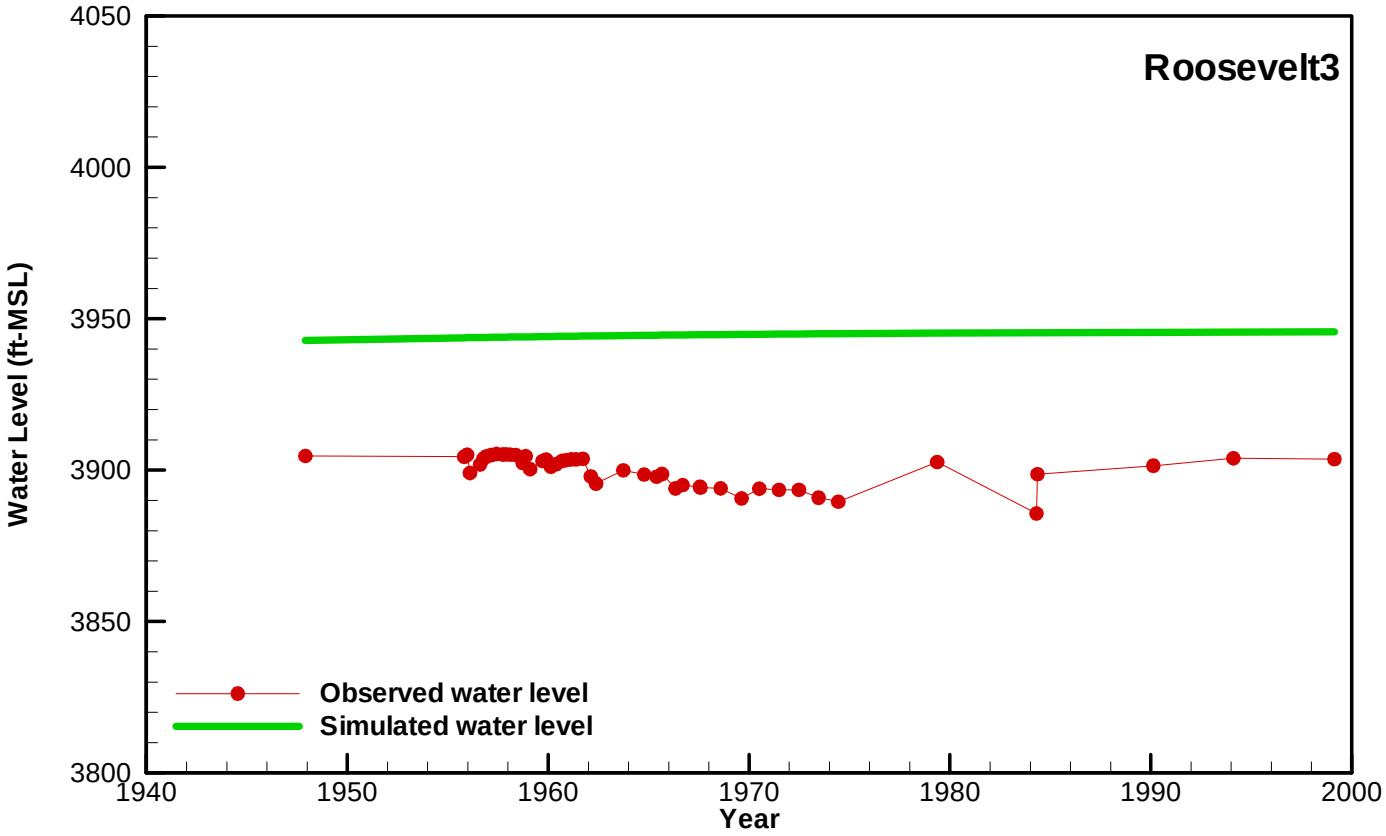

Potter1
Water Level (ft-MSL)
3700
3675
3650
3625
3600
3575
3550
3525
3500
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

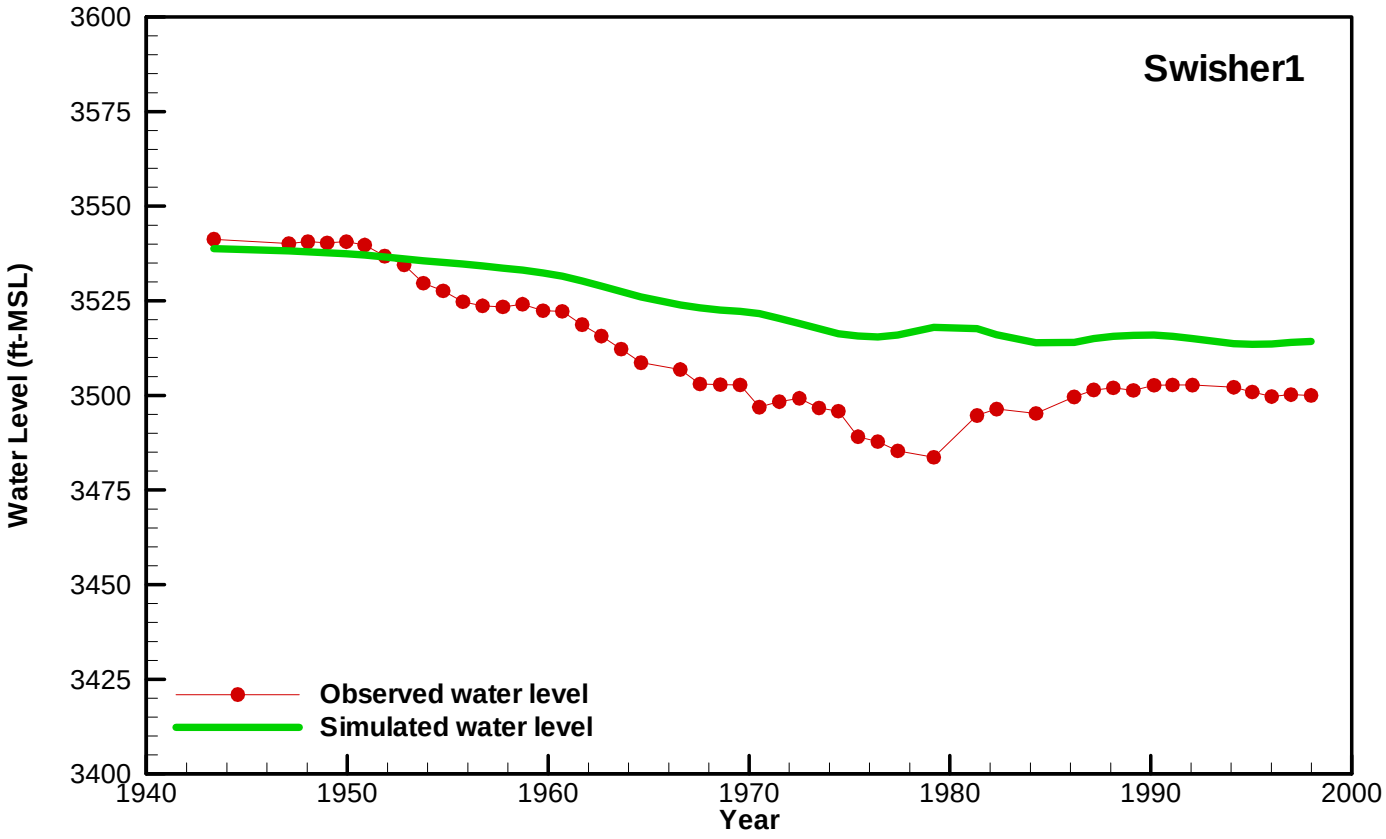

Randall1
Water Level (ft-MSL)
3750
3725
3700
3675
3650
3625
3600
3575
3550
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

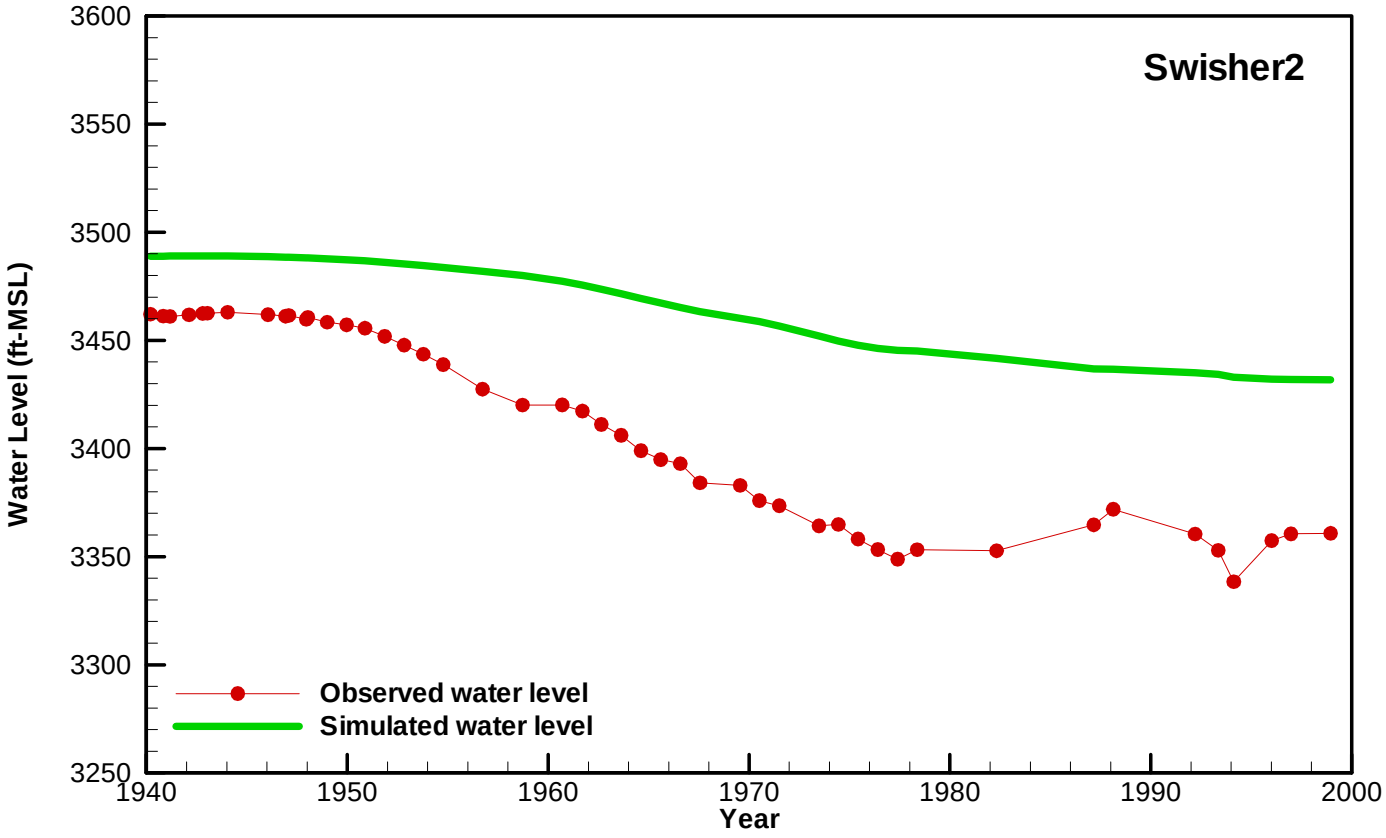

Randall2
Water Level (ft-MSL)
3600
3575
3550
3525
3500
3475
3450
3425
3400
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

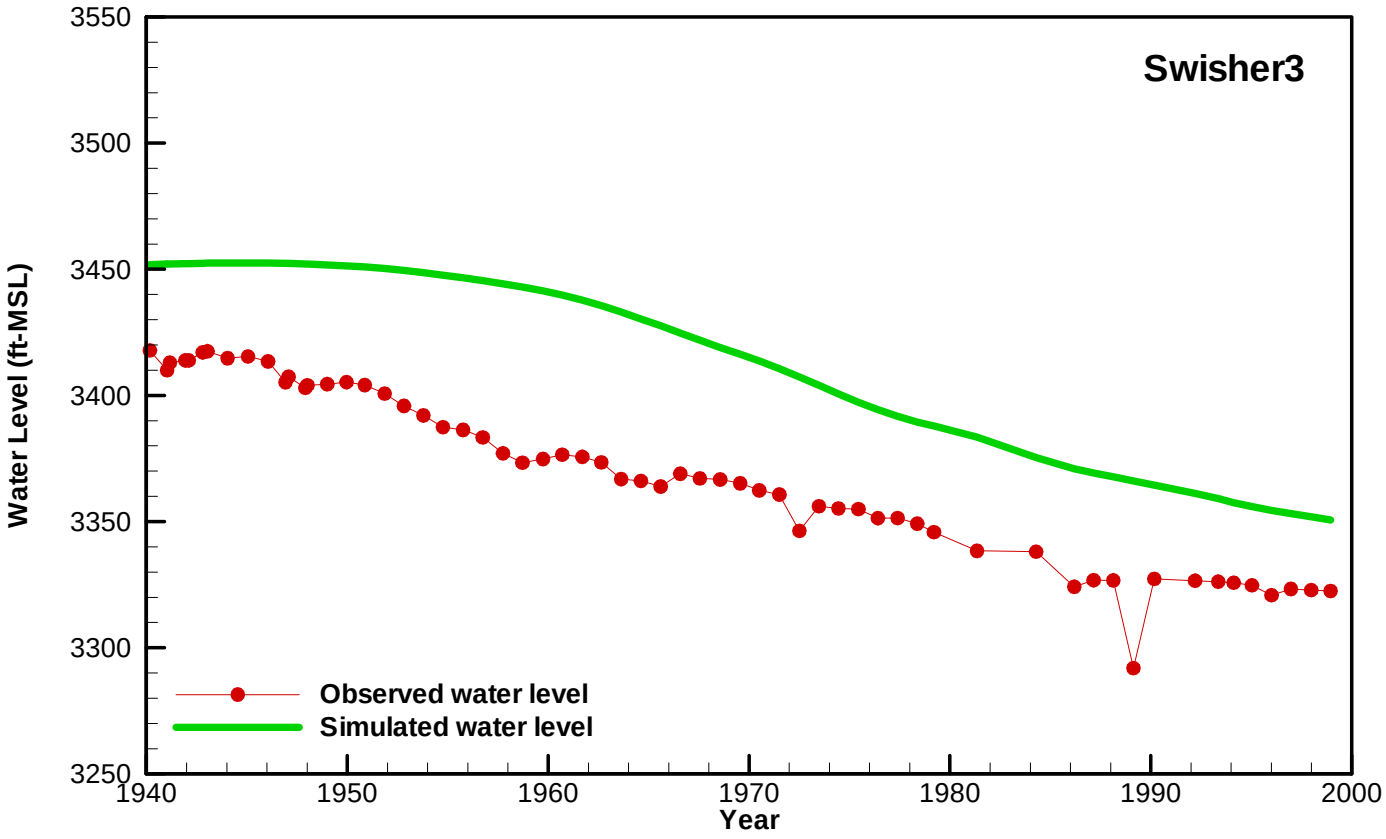

Roosevelt1
Water Level (ft-MSL)
4150
4125
4100
4075
4050
4025
4000
3975
3950
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

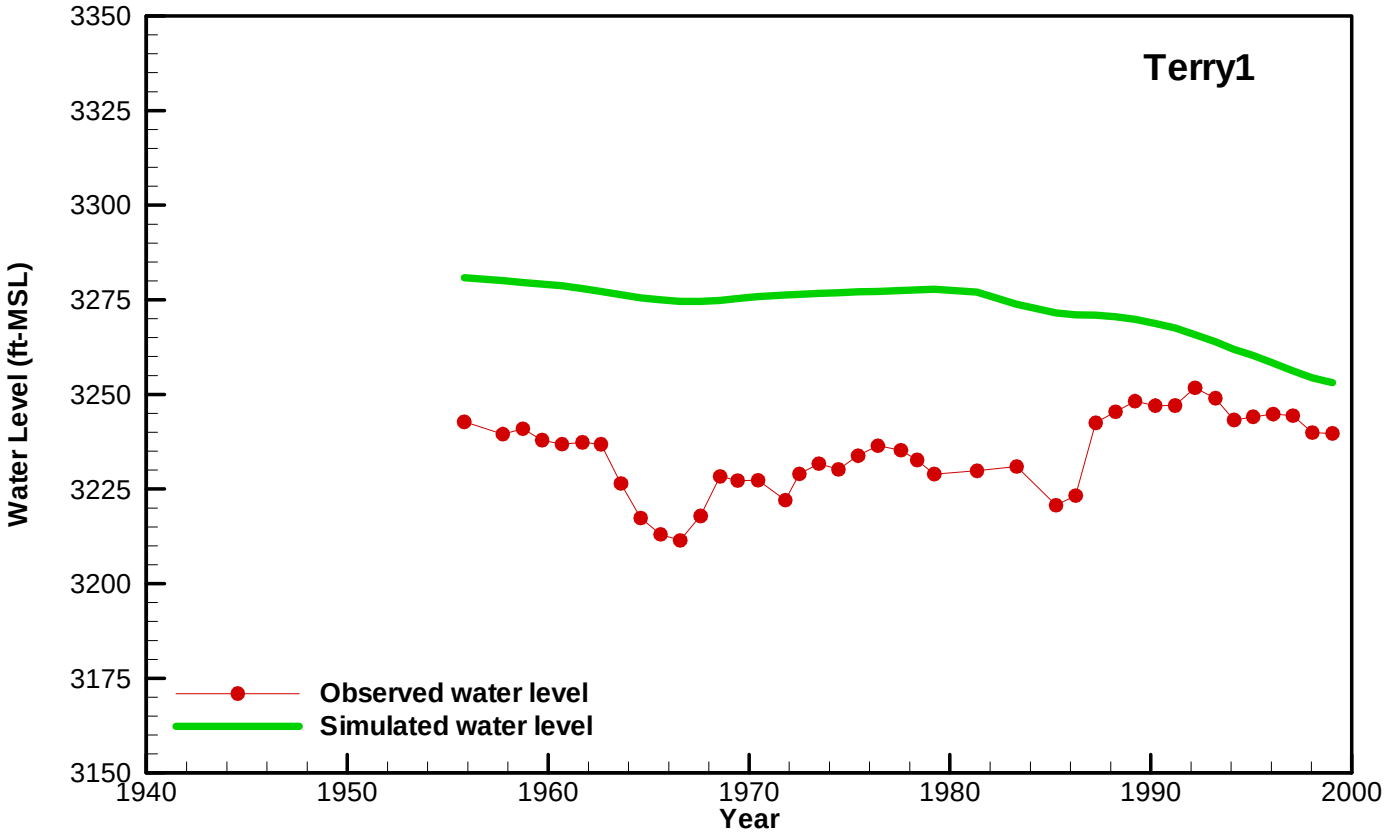

Roosevelt2
Water Level (ft-MSL)
4000
3975
3950
3925
3900
3875
3850
3825
3800
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

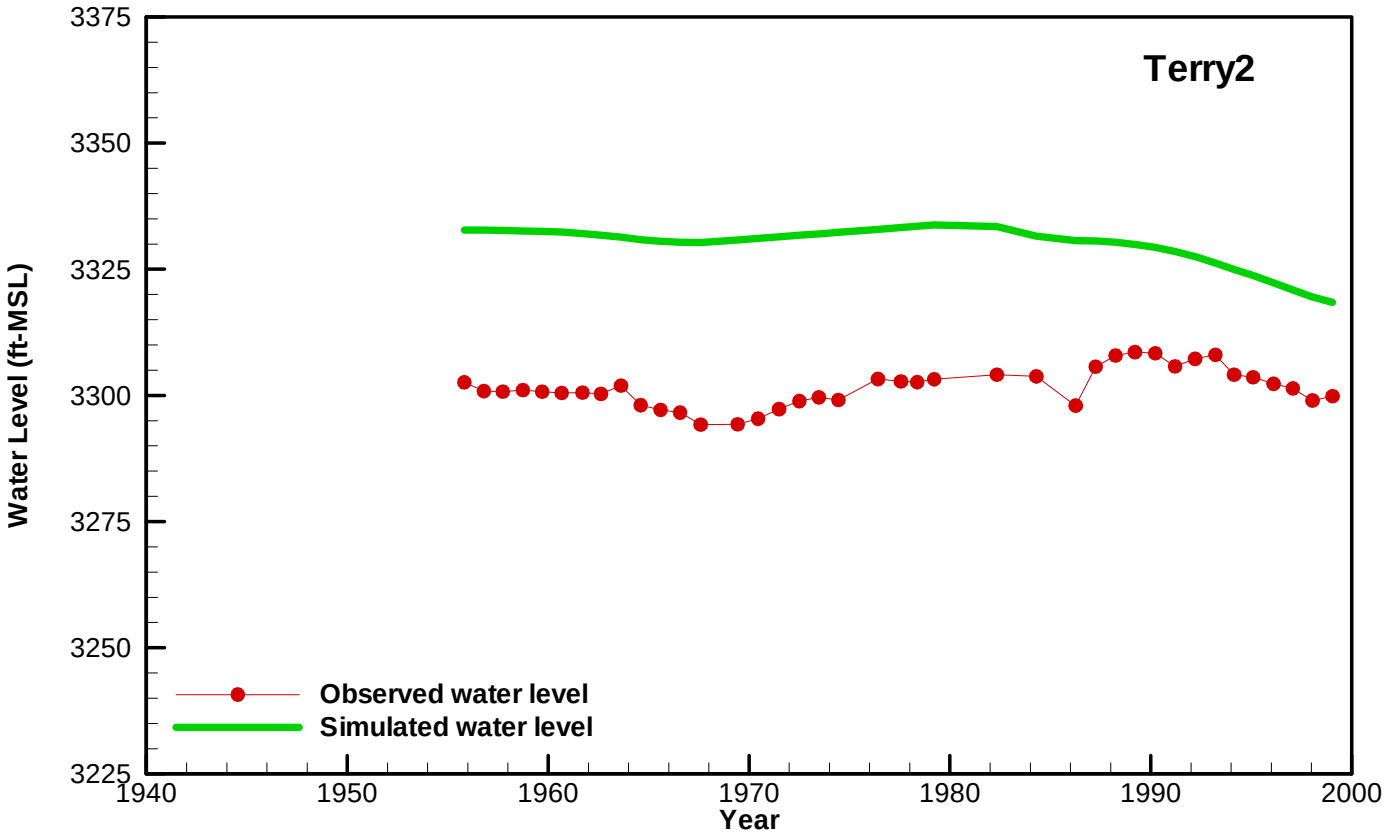

Roosevelt3
Water Level (ft-MSL)
4050
4000
3950
3900
3850
3800
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

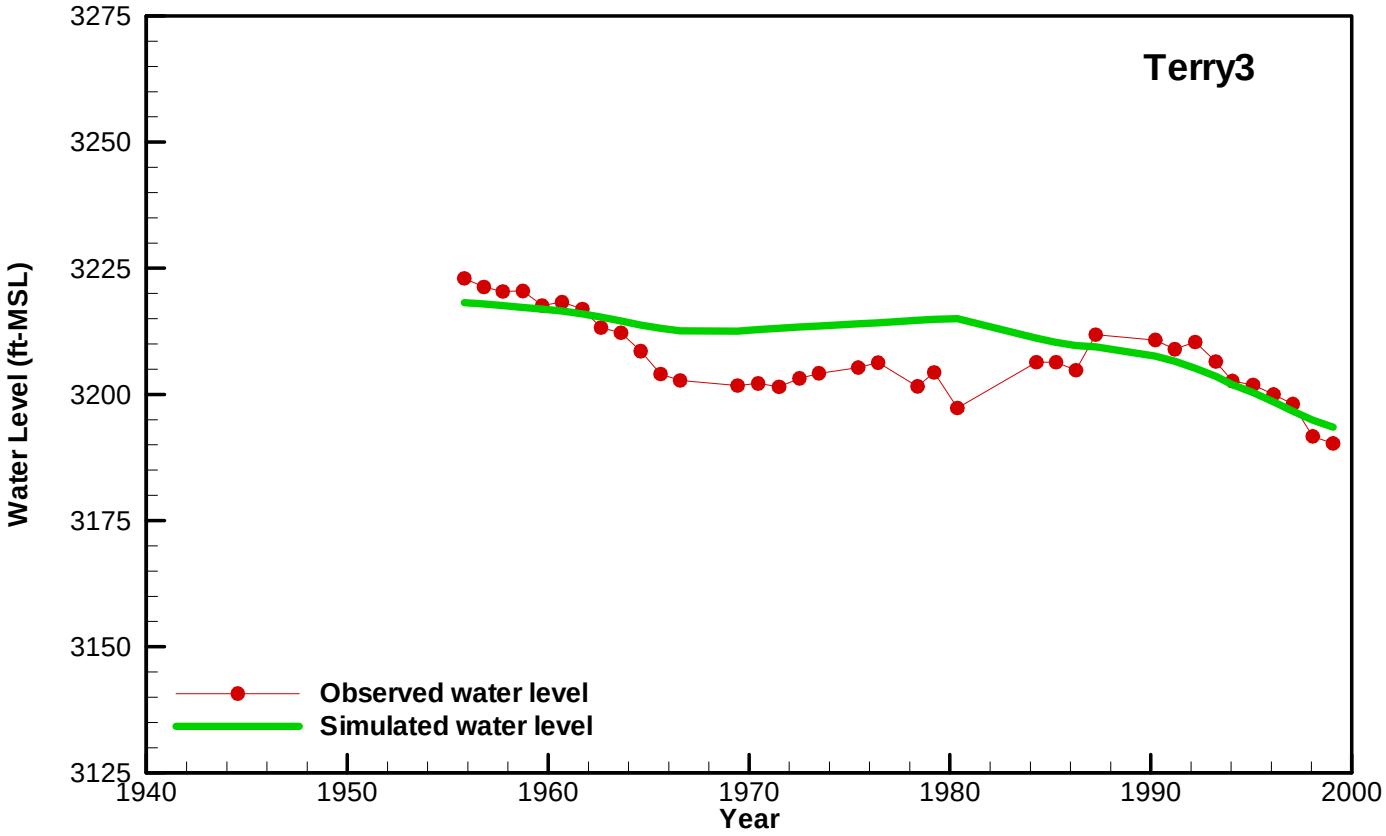

Swisher1
Water Level (ft-MSL)
3600
3575
3550
3525
3500
3475
3450
3425
3400
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

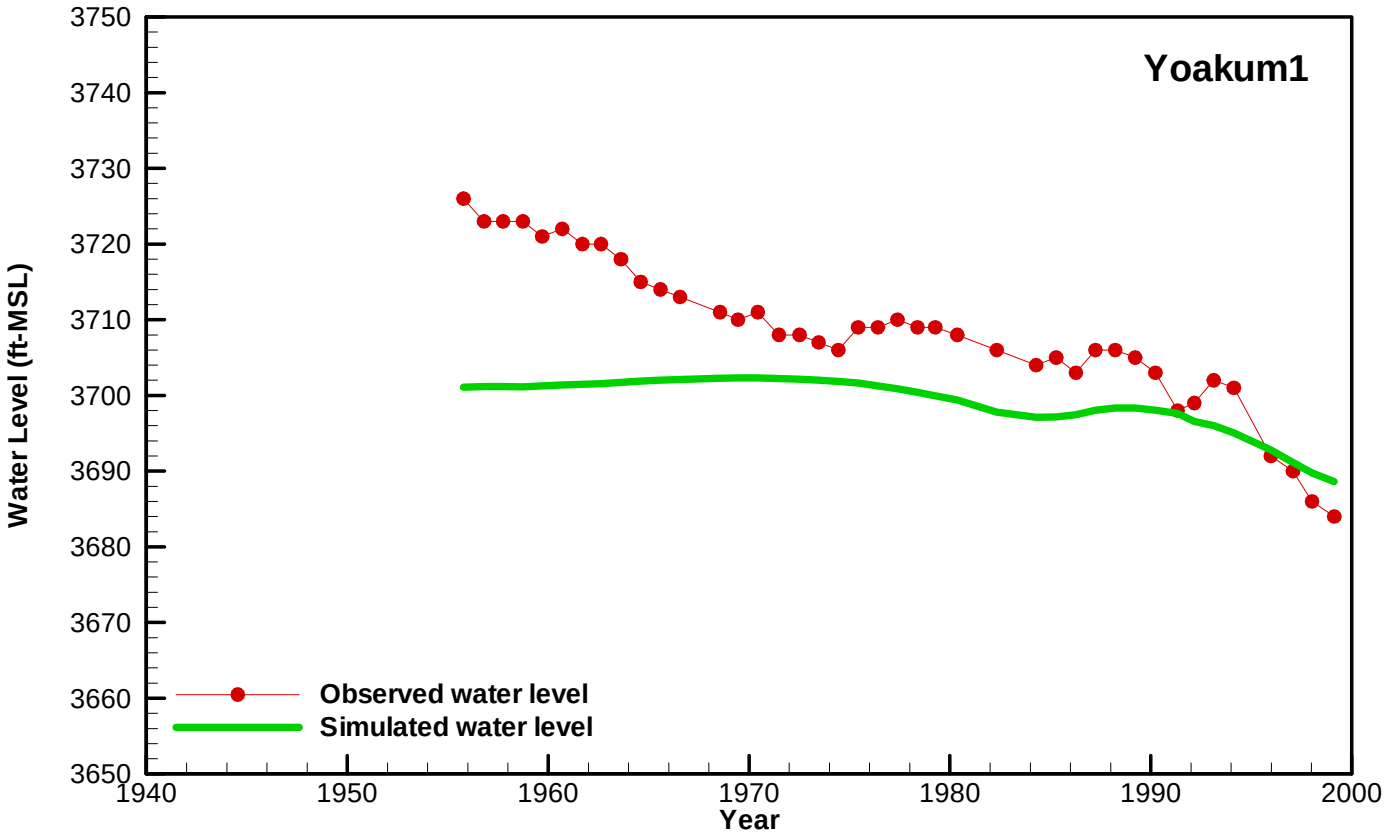

Swisher2
Water Level (ft-MSL)
3600
3550
3500
3450
3400
3350
3300
3250
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

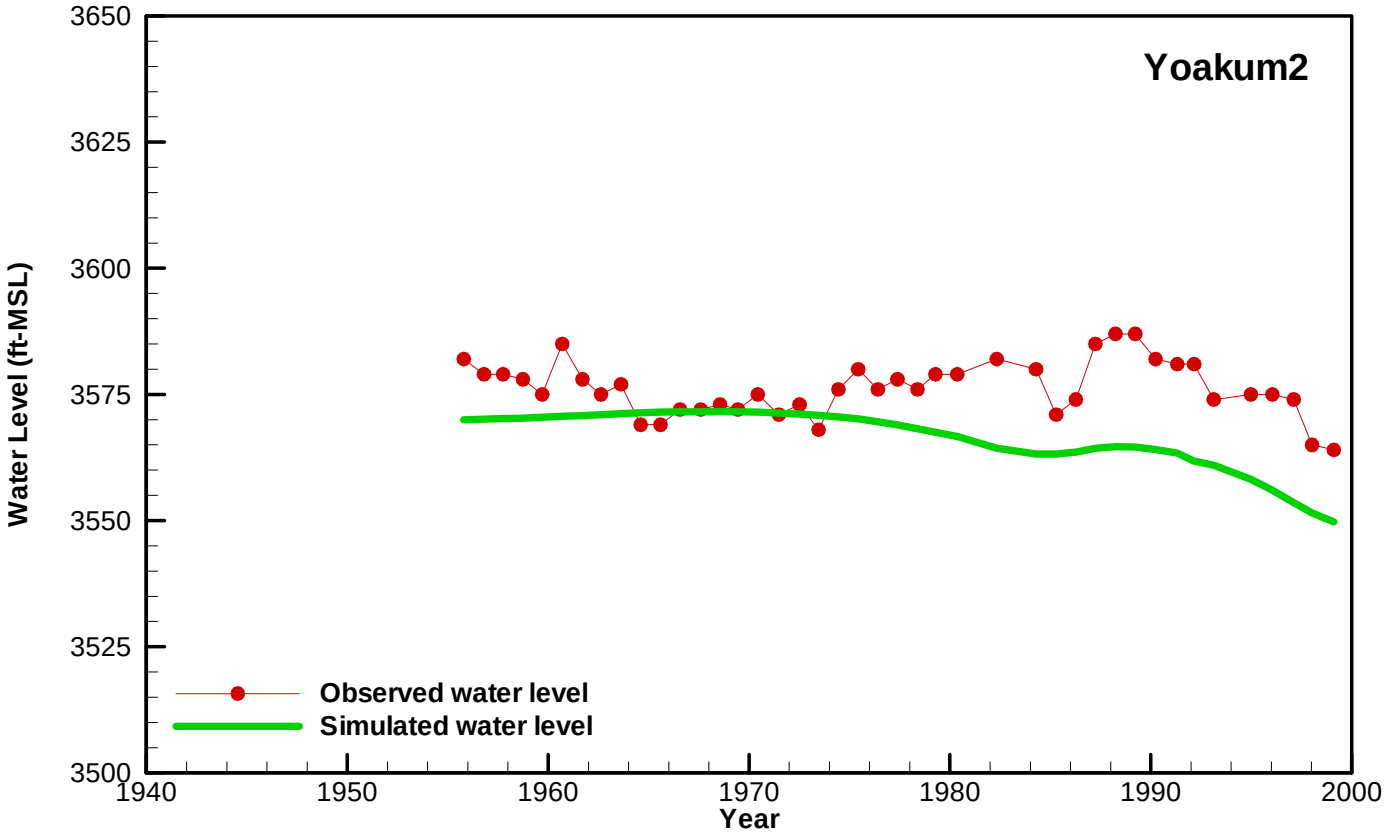

Swisher3
Water Level (ft-MSL)
3550
3500
3450
3400
3350
3300
3250
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

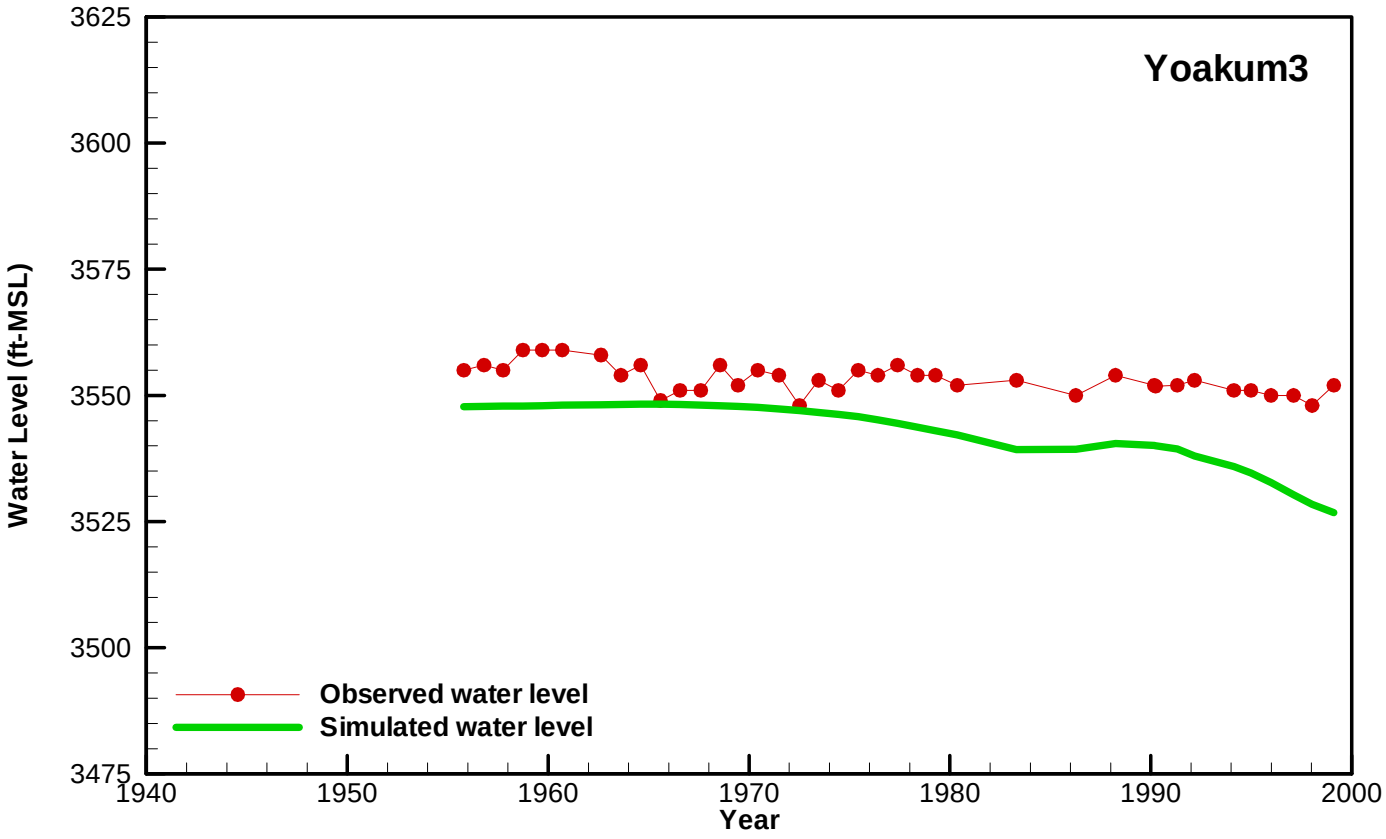

Terry1
Water Level (ft-MSL)
3350
3325
3300
3275
3250
3225
3200
3175
3150
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level

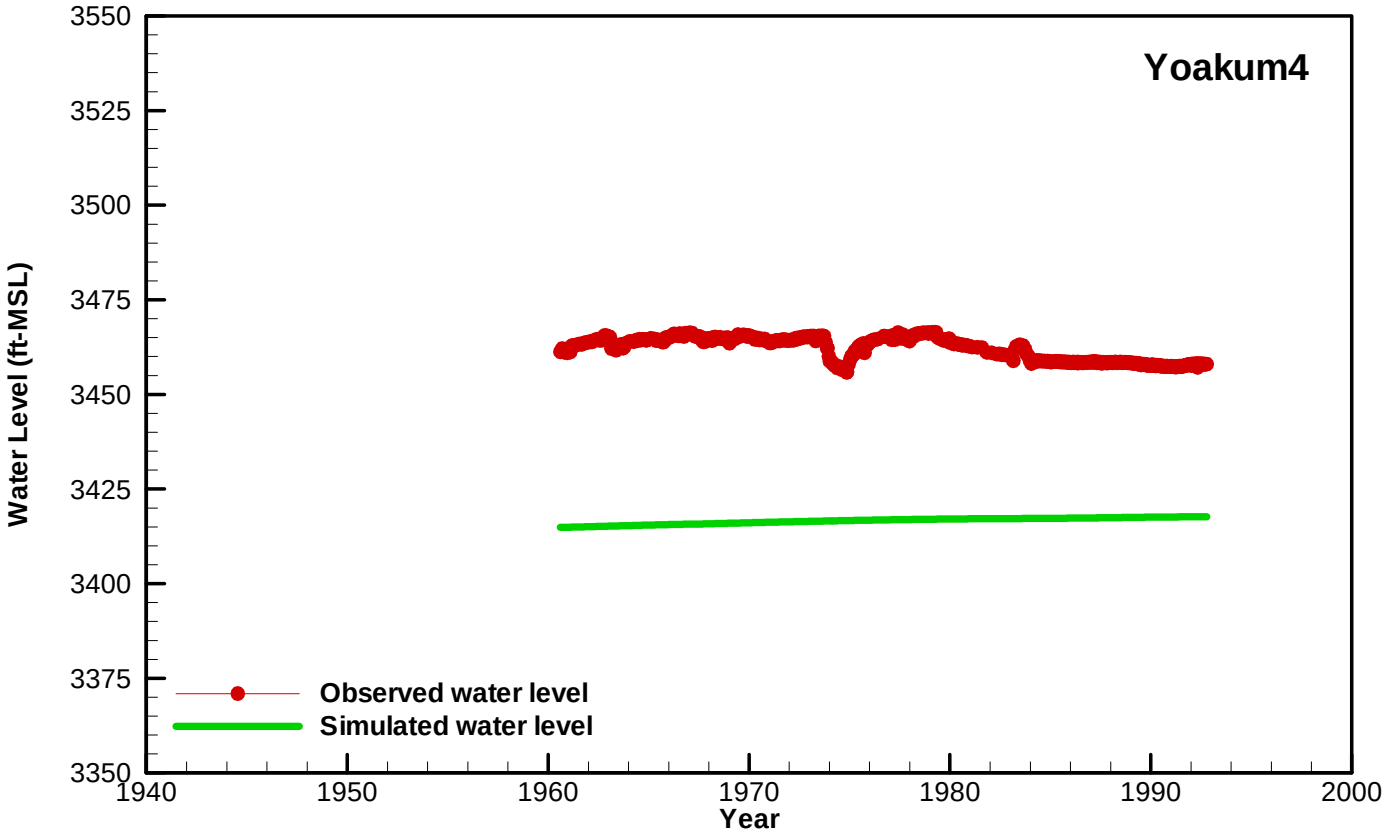

Terry2
Water Level (ft-MSL)
3375
3350
3325
3300
3275
3250
3225
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level


Terry3
Water Level (ft-MSL)
3275
3250
3225
3200
3175
3150
3125
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level


Yoakum1
Water Level (ft-MSL)
3750
3740
3730
3720
3710
3700
3690
3680
3670
3660
3650
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level


Yoakum2
Water Level (ft-MSL)
3650
3625
3600
3575
3550
3525
3500
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level


Yoakum3
Water Level (ft-MSL)
3625
3600
3575
3550
3525
3500
3475
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level


Yoakum4
Water Level (ft-MSL)
3550
3525
3500
3475
3450
3425
3400
3375
3350
1940
1950
1960
1970
1980
1990
2000
Year
Observed water level
Simulated water level