

Appendix 12

Hydrographs of Representative Monitoring Wells

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The purpose of this appendix to the Owens Valley Groundwater Authority's SGMA Groundwater Sustainability Plan is to present data on the Owens Valley Groundwater Basin's representative monitoring wells. Hydrographs that compare groundwater levels over time with their associated Sustainable Management Criteria (minimum thresholds and measureable objectives) are presented in tabular and graphical form. The rationale and methodology for selecting these specific monitoring points and determining corresponding SMCs can be found in the GSP's Sections 3.3 through 3.5 with additional details found in Appendix 3 of the OVGA GSP.

Tables of Representative Monitoring Wells with Minimum Threshold and Measurable Objective Values listed by Management Area

Table 1. Tri-Valley management area minimum thresholds for groundwater level declines and groundwater storage reductions at representative monitoring points. Values rounded to the nearest foot.

Representative Monitoring Well	Minimum Threshold Elevation (ft amsl)	Minimum Threshold Depth to Water (ft RP)
BT-MW1	5,301	134
Hammil 2	4,401	183
CH-MW2	4,204	76
FS-2	4,214	6
FS-3D	4,179	16
T397	4,199	31

a. Newly established representative monitoring point or data not currently available. MT or MO will be established in future GSP updates.

Table 2. Owens Valley management area minimum thresholds for groundwater level declines and groundwater storage reductions at representative monitoring points. Values rounded to the nearest foot.

Representative Monitoring Well	Minimum Threshold Elevation (ft amsl)	Minimum Threshold Depth to Water (ft RP)
ICWCSD 4	4,249	37
T001	3,867	630
T362	4,047	49
T364	3,898	25
T384	4,165	18
T389	4,216	20
T391	4,296	15
T480	3,994	11
T513	4,113	12
T574	4,067	20
T750	4,357	55
T751	4,373	39
T808	3,834	25
T809	3,823	19
T869	3,983	289
T871	3,850	120
T872	3,946	475
T873	4,954	89
V016GB	3,880	27
V151	3,827	67
V299	3,901	109
WCCSD 2	6,020	233
WCCSD 4	6,263	132

Table 3. Owens Lake management area minimum thresholds for groundwater level declines and groundwater storage reductions at representative monitoring points. Values rounded to the nearest foot.

Aquifer Unit	Representative Monitoring Well	Minimum Threshold Elevation (ft amsl)	Minimum Threshold Depth to Water (ft RP)
1	DVF South Upper	3,636	30
1	T901	3,607	-34
1	T904	3,626	5
1	T910	3,607	-26
2	DVF South Middle	3,639	27
2	Fault Test T3	3,620	-30
2	Fault Test T5	3,617	-27
2	Keeler-Swansea Lower	3,618	-9
2	River Site Lower	3,594	-4
3	DVF South Lower	3,640	26
3	OL92-2	3,605	-47
3	SFIP MW	3,511	54
3	T917	3,704	-25
4	DVF North MW	3,643	28
5	T899	3,617	-44
5	T902	3,631	0
5	T908	3,625	-43
5	T916	3,704	-25
Owens Lake	DELTA W(3)_10	3,562	5
Owens Lake	I10(7)_4	3,568	4
Unknown	KCSD	3,612	42
Unknown	O6(5)_4	3,567	5
Unknown	Rio Tinto ^a	--	--
Unknown	T348	3,630	12
Unknown	T588	3,685	23
Unknown	T858	3,666	13
Unknown	T860	3,708	30
Unknown	T920	3,600	213
Unknown	T922 ^a	--	--
Unknown	T924	3,590	143
Unknown	T925 ^a	--	--
Unknown	T929 ^a	--	--

a. Newly established or data not currently available. MT or MO will be established in future GSP updates.

Table 4. Fish Slough and Tri-Valley management area measureable objectives for groundwater level declines and groundwater storage reductions at representative monitoring points. Values rounded to nearest foot.

Representative Monitoring Point	Groundwater Elevation (ft amsl)				Depth to Water (ft RP)
	5-year Interim Milestone	10-year Interim Milestone	15-year Interim Milestone	20-year Measurable Objective	20-year Measurable Objective
BT-MW1	5,303	5,303	5,306	5,309	126
Hammil 2 ^a	--	--	--	--	--
CH-MW2	4,207	4,207	4,209	4,211	69
FS-2	4,215	4,215	4,216	4,217	3
FS-3D ^a	--	--	--	--	--
T397	4,199	4,199	4,200	4,201	29

a. Newly established representative monitoring point. Measureable objectives will be established in future GSP updates.

Table 5. Tri-Valley management area measureable objectives for interconnected surface-water depletions at representative monitoring points.

Representative Monitoring Point	Northeast Spring Flow Rate (cfs)			
	5-year Interim Milestone	10-year Interim Milestone	15-year Interim Milestone	20-year Measurable Objective
SW3208	0.1	0.1	0.3	0.5

Table 6. Owens Valley management area measureable objectives for groundwater level declines and groundwater storage reductions at representative monitoring points. Values rounded to the nearest foot.

Representative Monitoring Well	Measureable Objective Elevation (ft amsl)	Measureable Objective Depth to Water (ft RP)
ICWCSD 4	4,254	32
T001	3,880	617
T362	4,072	24
T364	3,903	20
T384	4,168	15
T389	4,224	12
T391	4,303	8
T480	3,995	10
T513	4,117	8
T574	4,071	16
T750	4,360	52
T751	4,379	33
T808	3,846	13
T809	3,829	13
T869	3,985	287
T871	3,852	118
T872	3,955	466
T873	4,963	80
V016GB	3,882	25
V151	3,834	60
V299	3,914	96
WCCSD 2	6,023	230
WCCSD 4	6,274	121

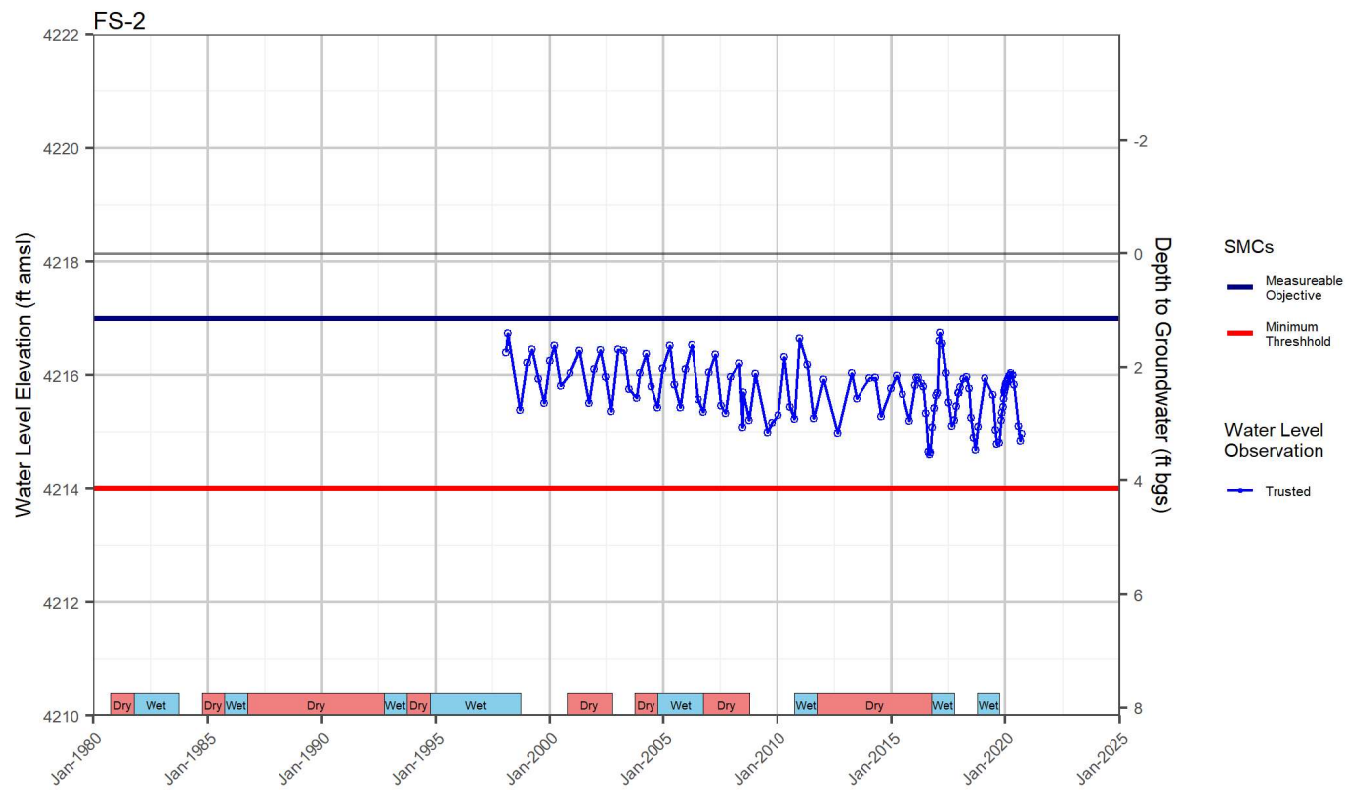
Table 7. Owens Lake management area measureable objectives for groundwater level declines and groundwater storage reductions at representative monitoring points. Values rounded to the nearest foot.

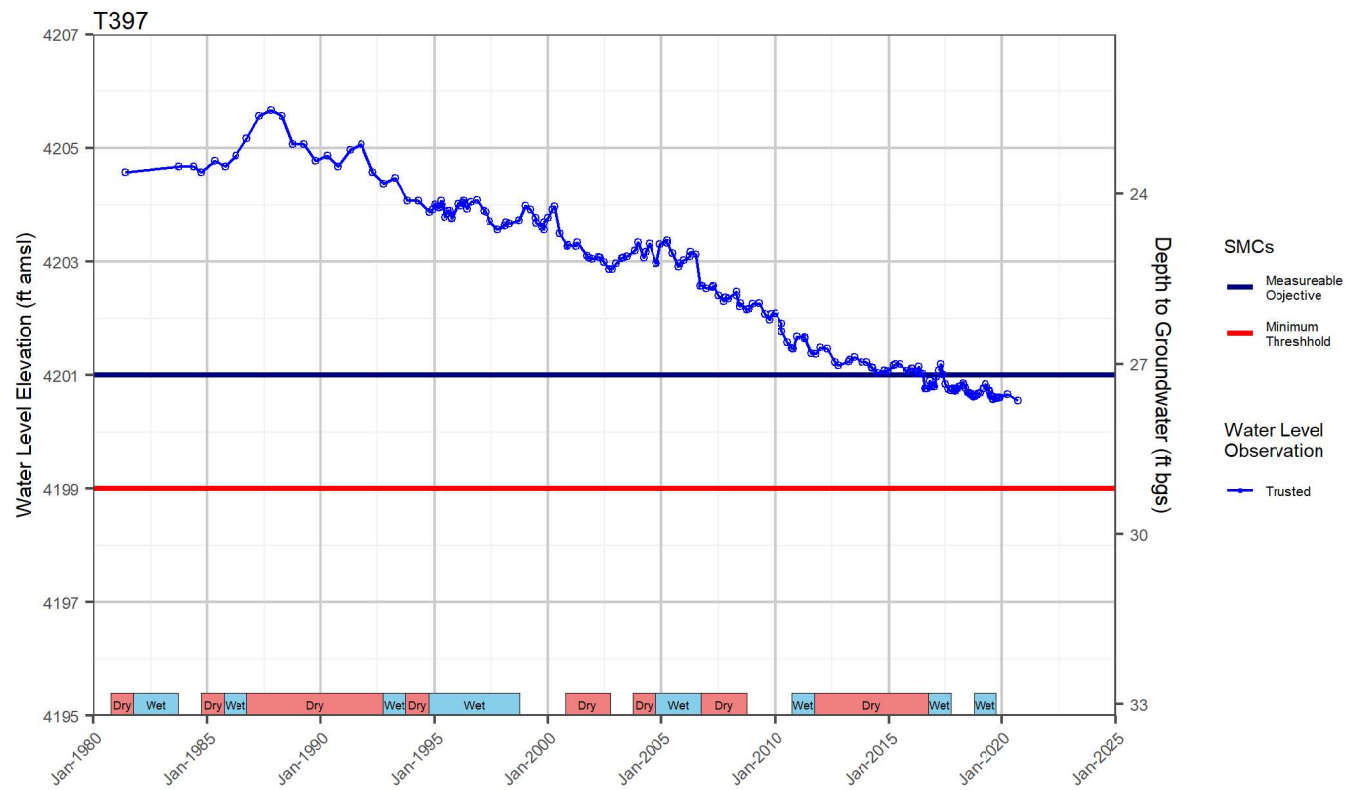
Aquifer Unit	Representative Monitoring Well	Measureable Objective Elevation (ft amsl)	Measureable Objective Depth to Water (ft RP)
1	DVF South Upper	3,641	25
1	T901	3,610	-37
1	T904	3,629	2
1	T910	3,608	-27
2	DVF South Middle	3,643	23
2	Fault Test T3	3,623	-33
2	Fault Test T5	3,623	-33
2	Keeler-Swansea Lower	3,618	-9
2	River Site Lower	3,633	-43
3	DVF South Lower	3,643	23
3	OL92-2	3,607	-49
3	SFIP MW	3,613	-48
3	T917	3,705	-26
4	DVF North MW	3,645	26
5	T899	3,618	-45
5	T902	3,632	-1
5	T908	3,627	-45
5	T916	3,704	-25
Owens Lake	DELTA W(3)_10	3,563	4
Owens Lake	I10(7)_4	3,570	2
Unknown	KCSD	3,613	41
Unknown	O6(5)_4	3,569	3
Unknown	Rio Tinto ^a	--	--
Unknown	T348	3,633	9
Unknown	T588	3,693	15
Unknown	T858	3,670	9
Unknown	T860	3,711	27
Unknown	T920	3,601	212
Unknown	T922 ^a	--	--
Unknown	T924	3,592	141
Unknown	T925 ^a	--	--
Unknown	T929 ^a	--	--

a. Newly established or data not currently available. MT or MO will be established in future GSP updates.

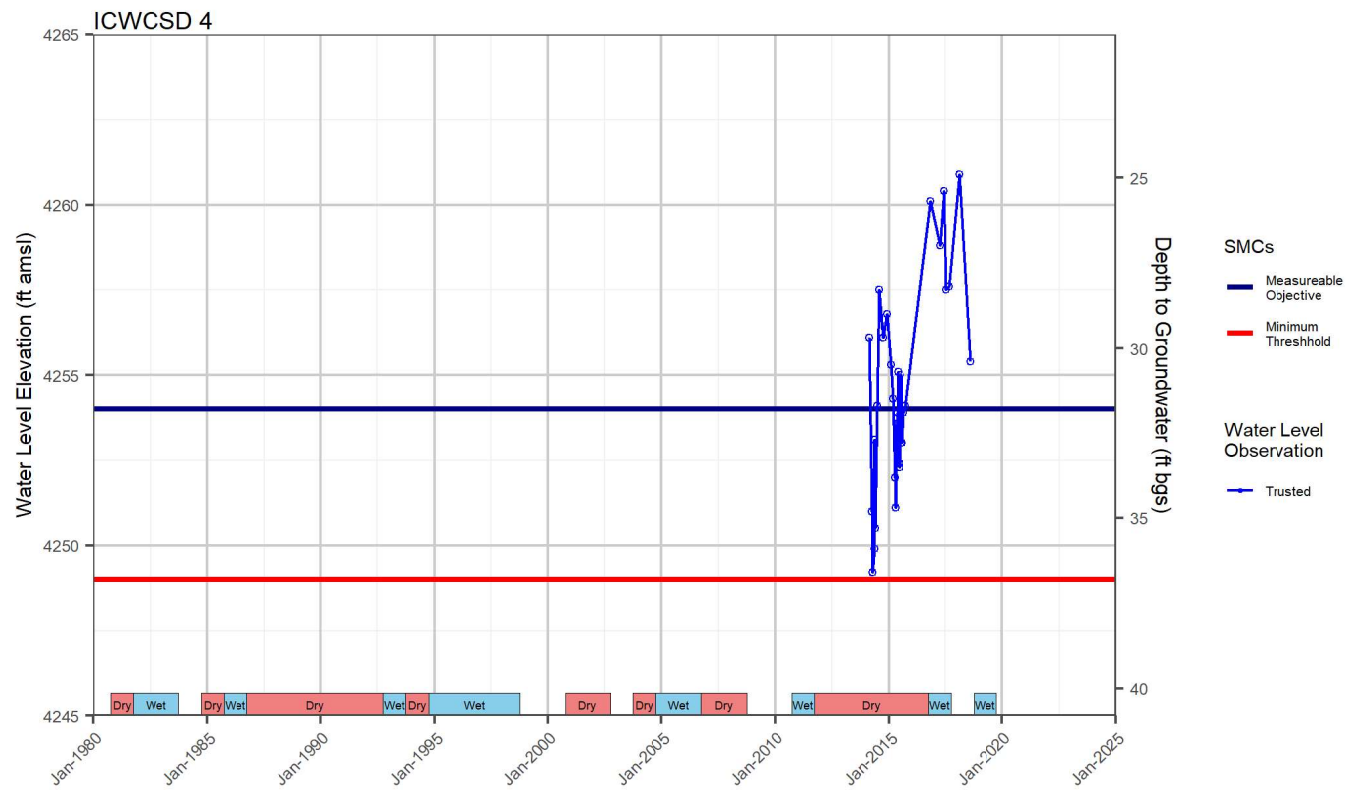
**Figures of Representative Monitoring Wells with
Minimum Threshold and Measurable Objective Values
listed by Management Area**

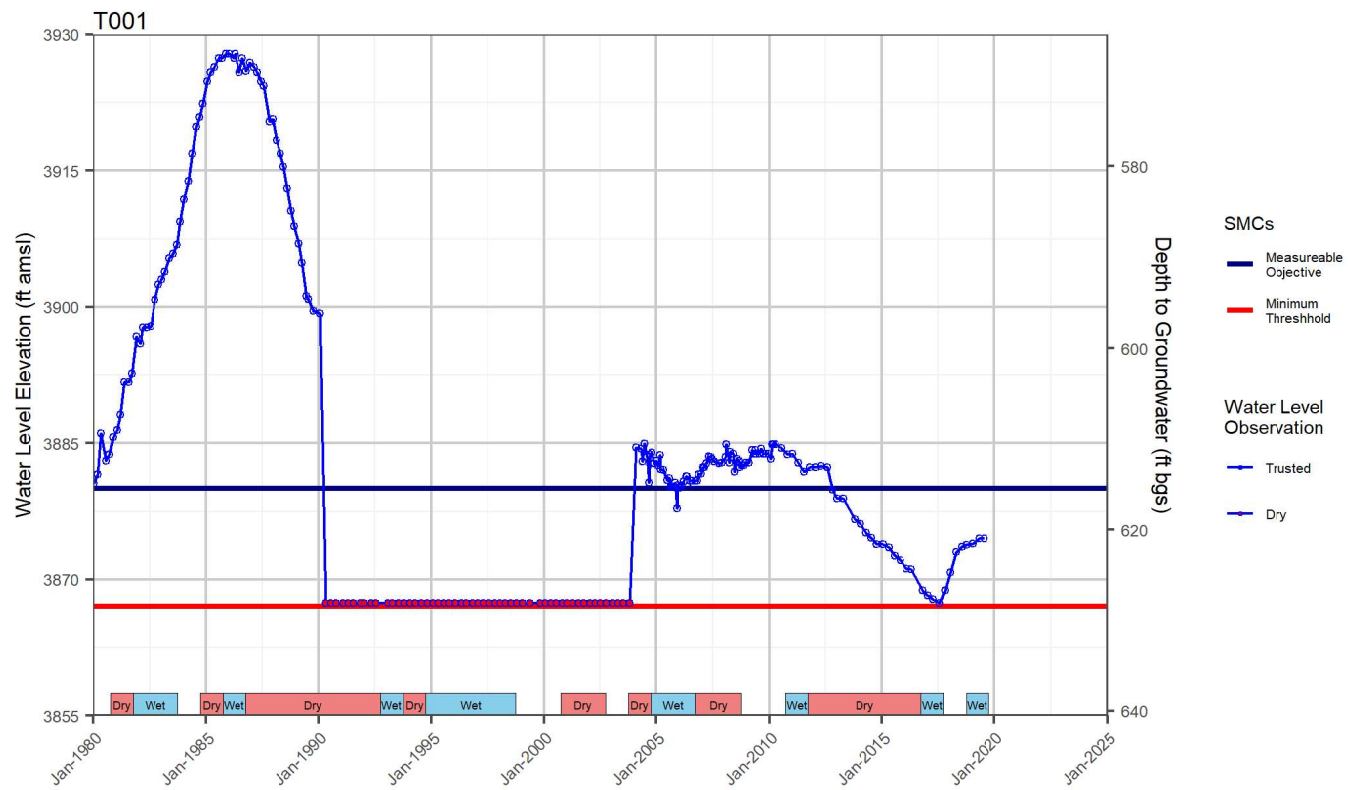
Tri-Valley Management Area

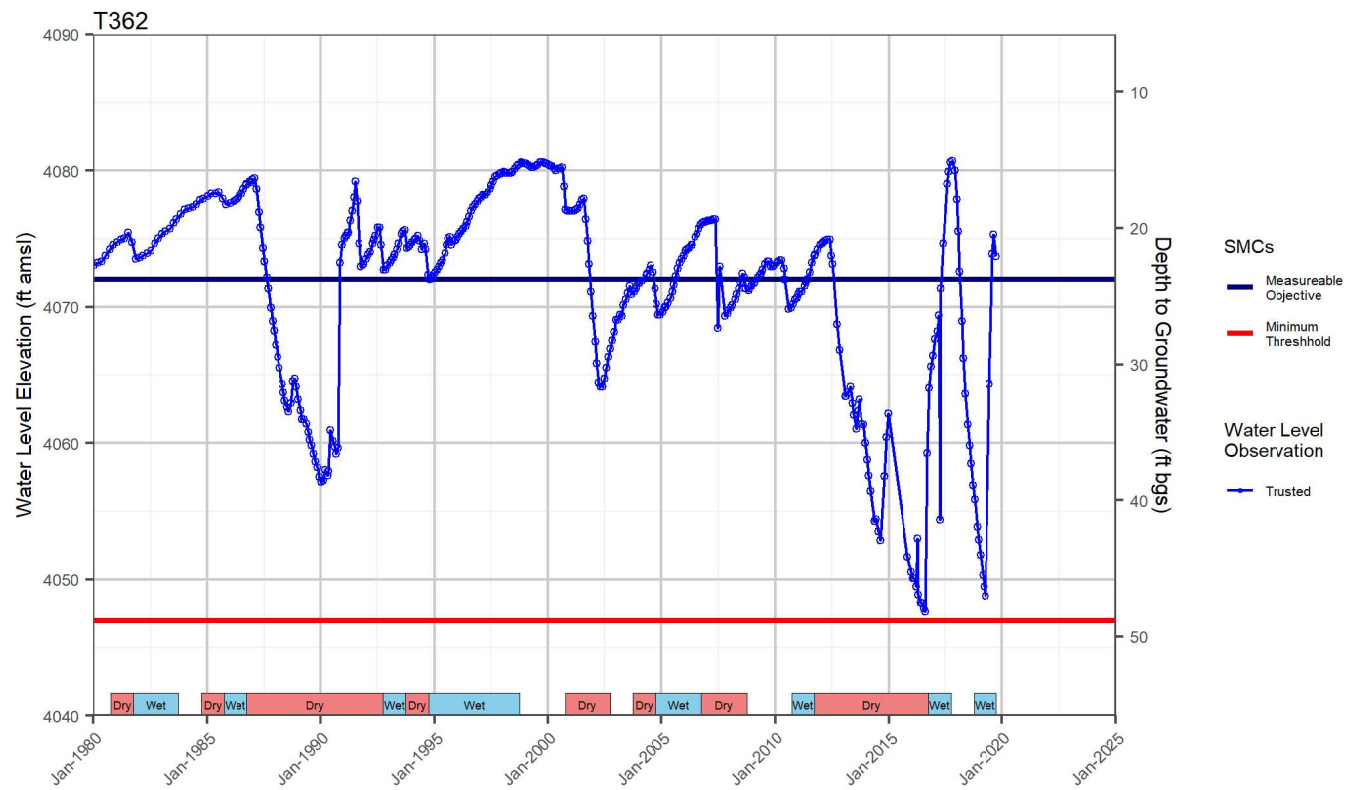


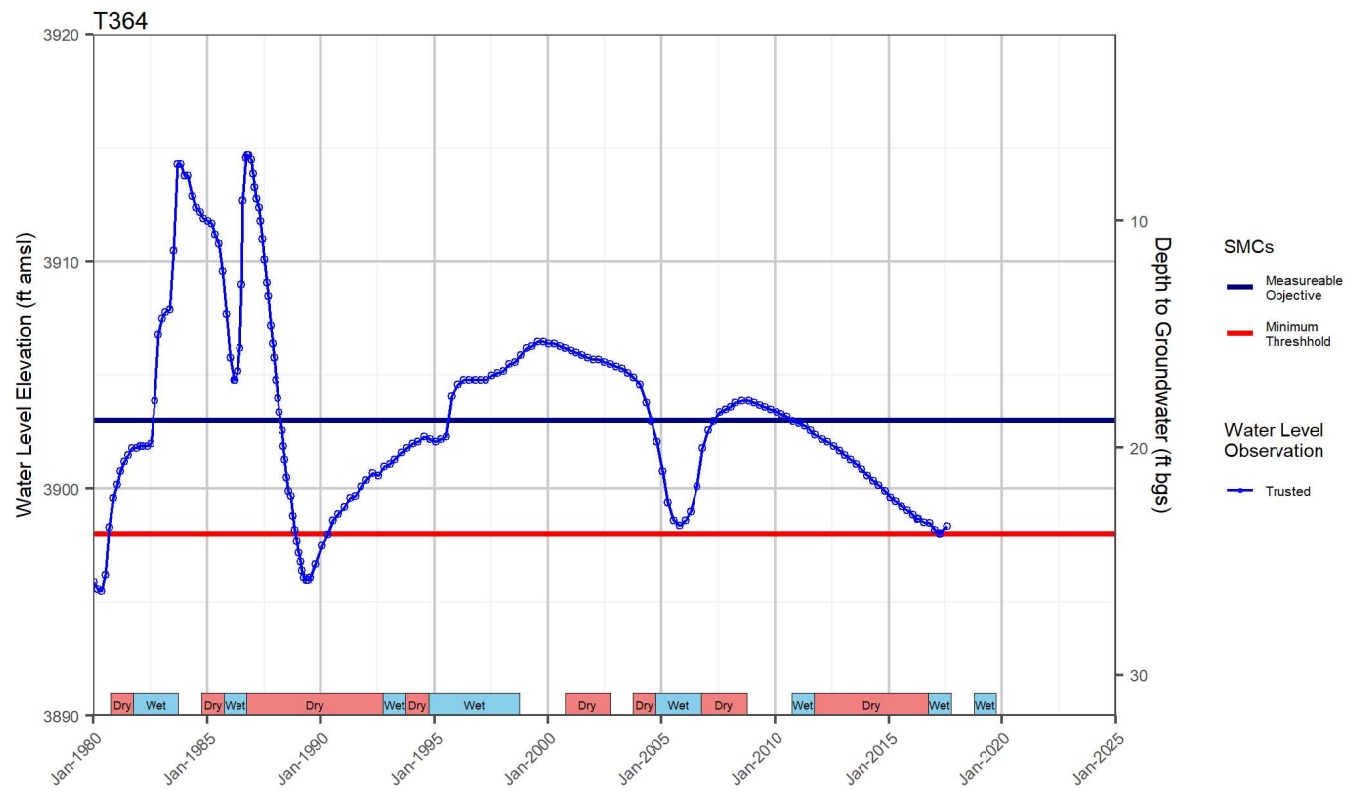


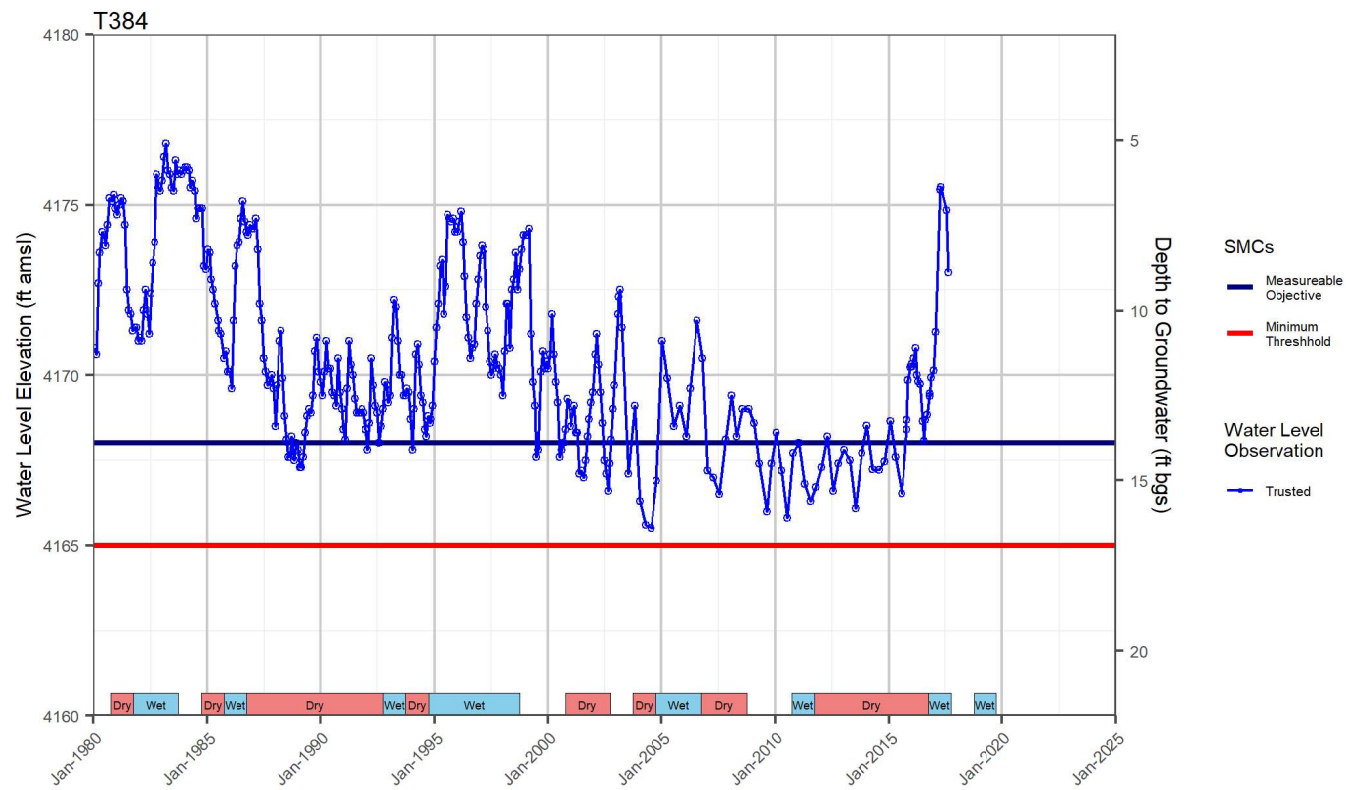
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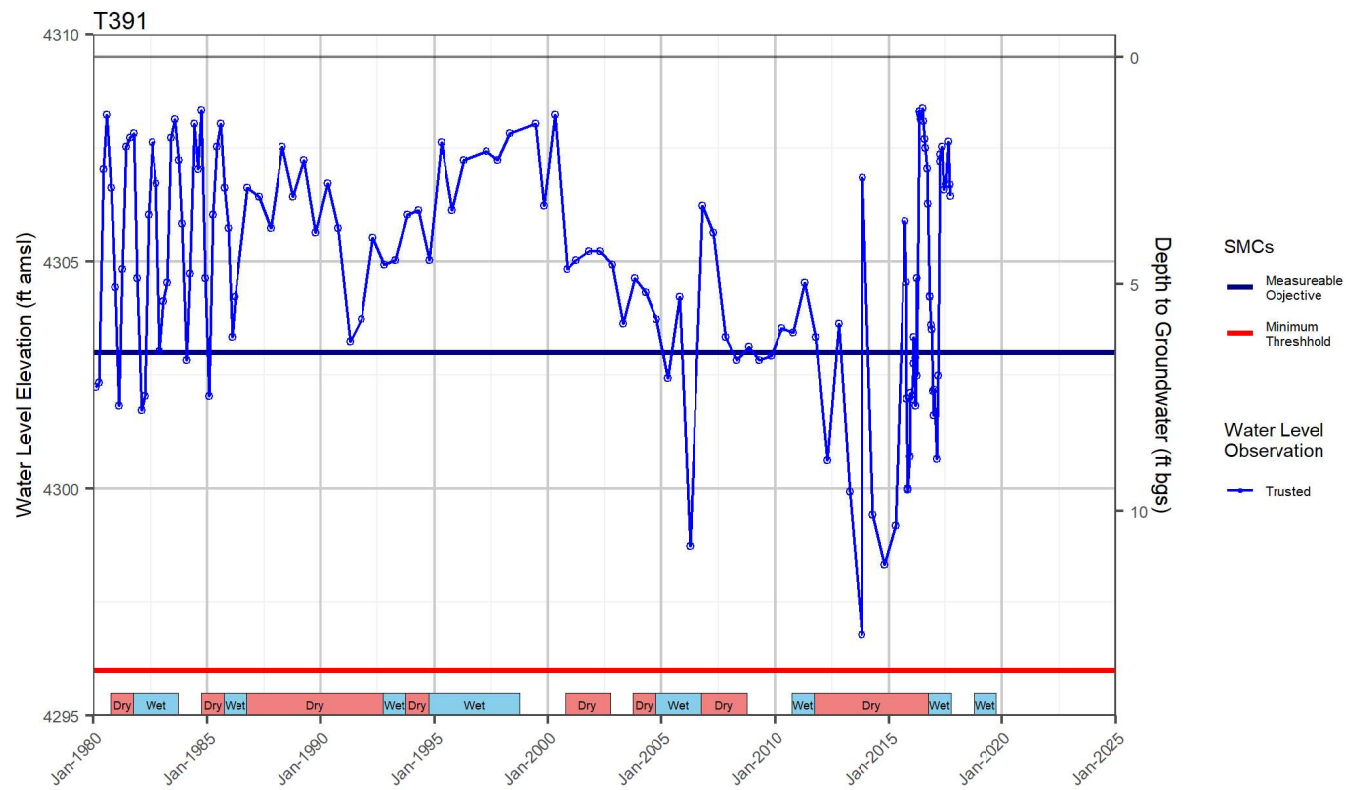


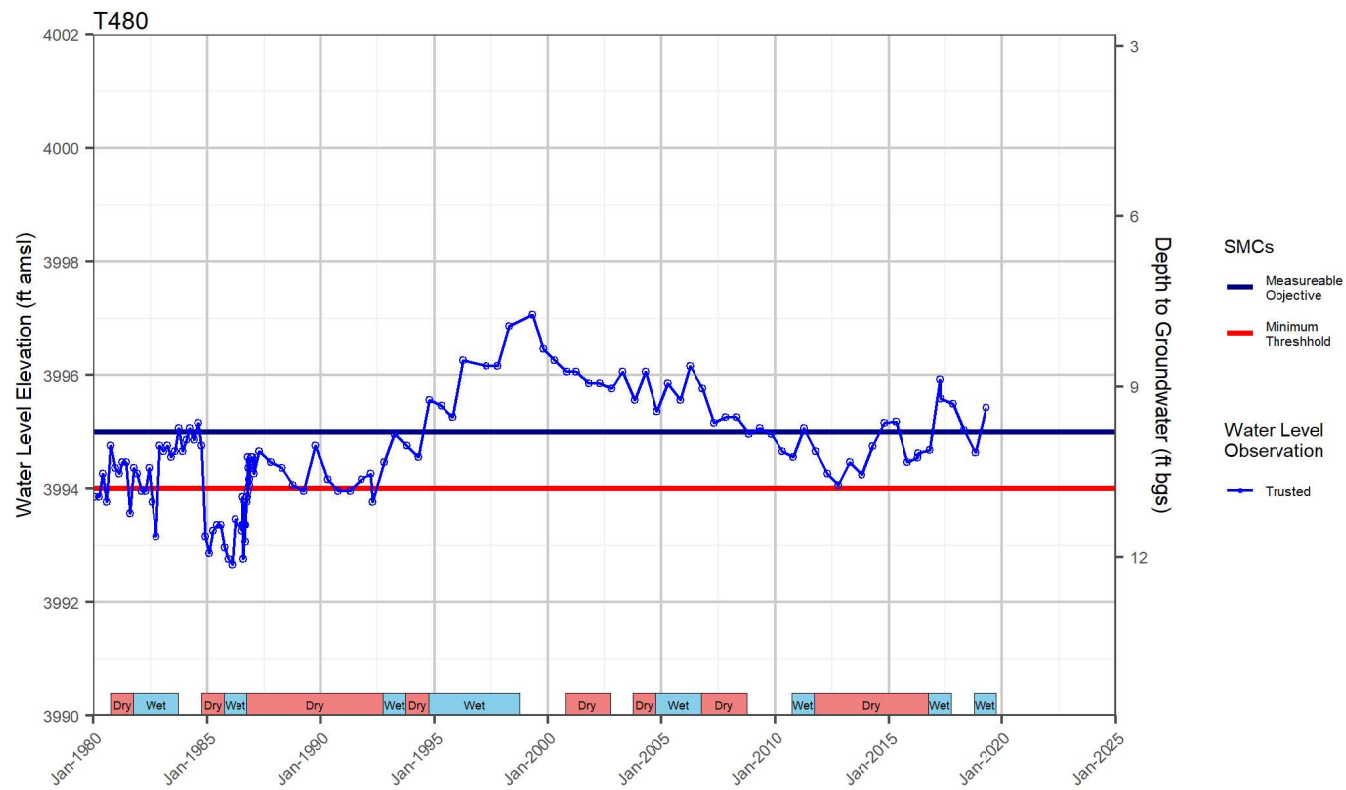


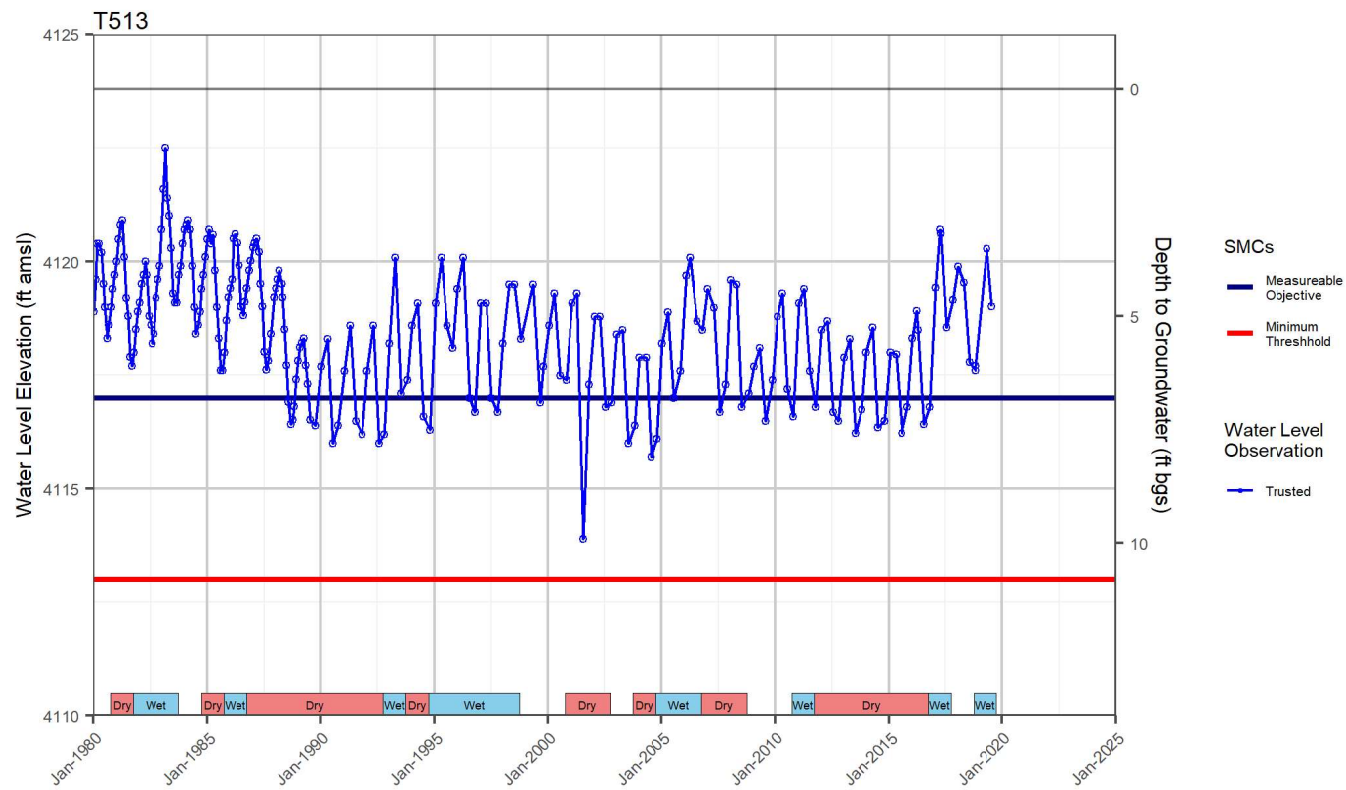


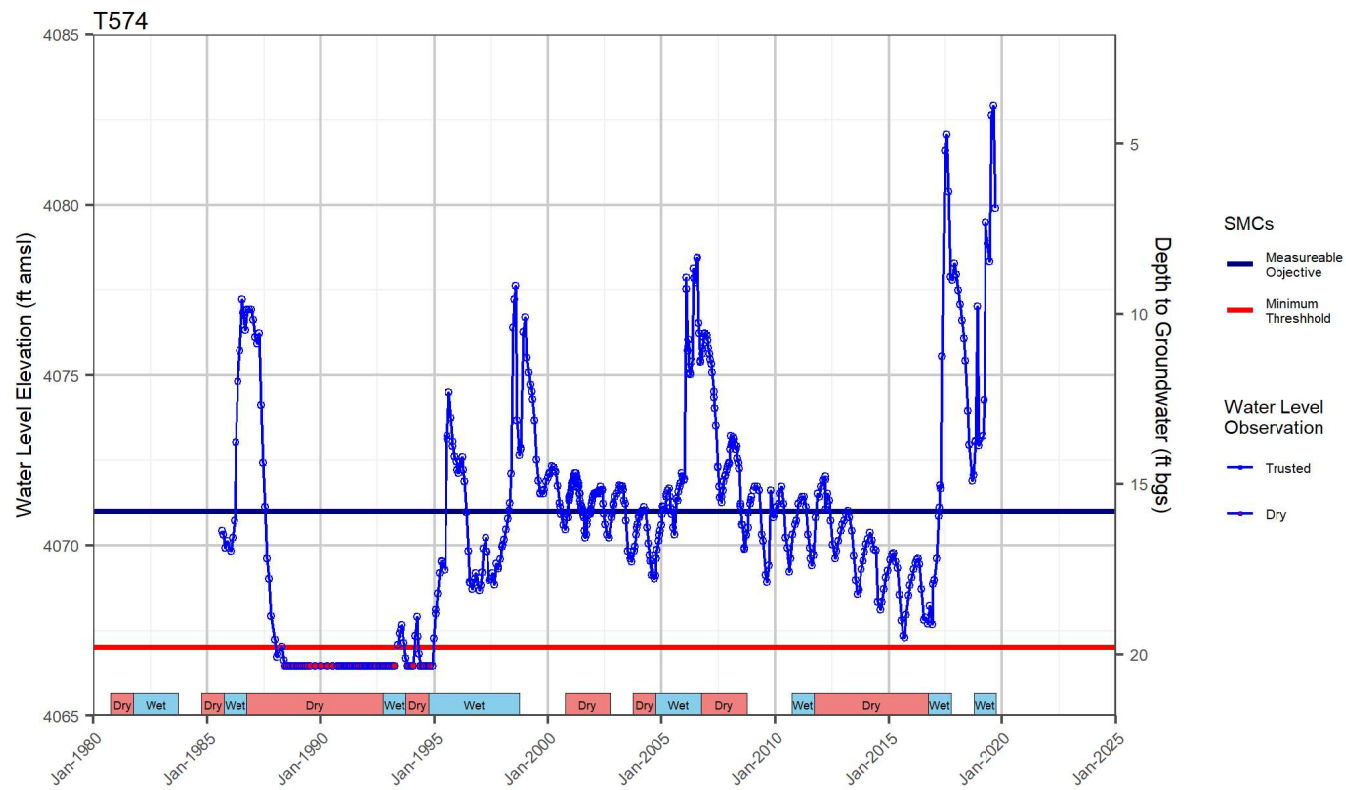


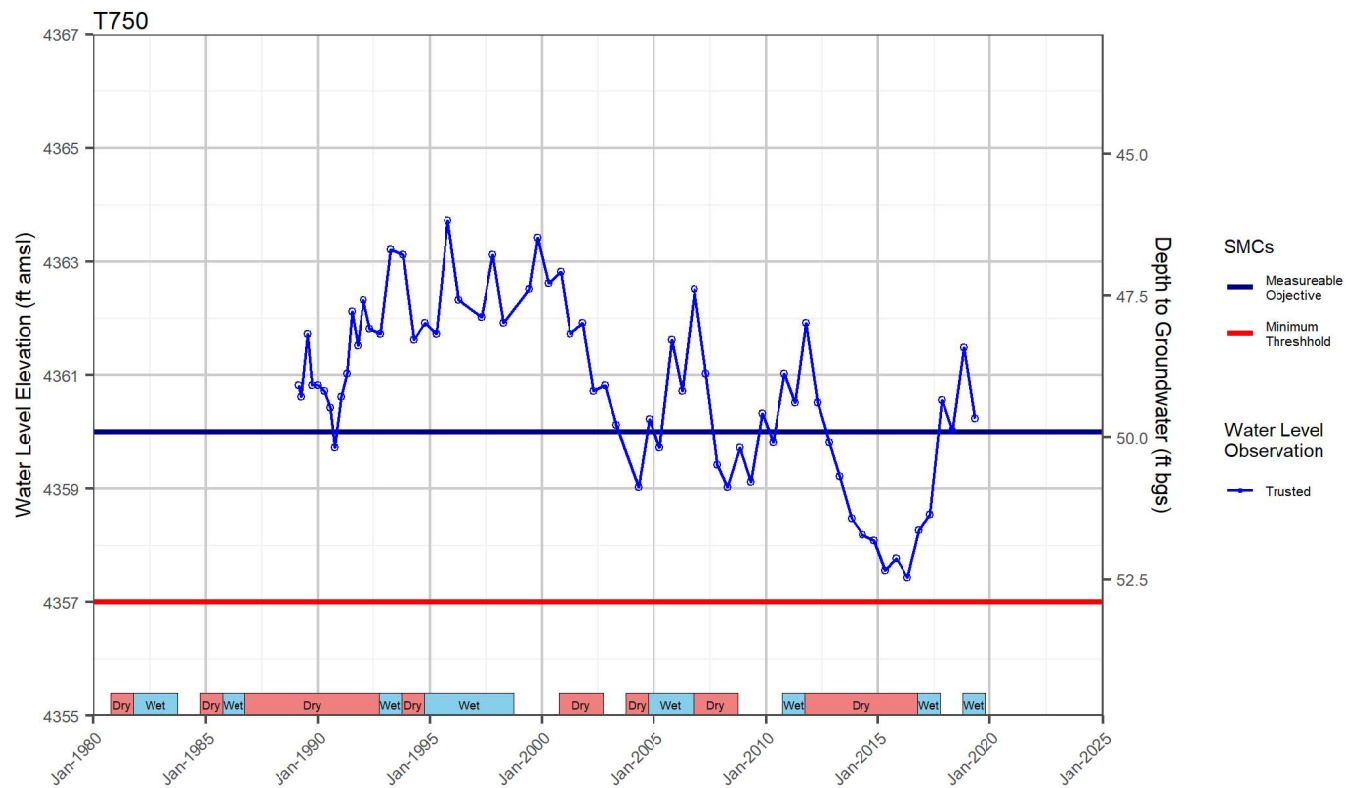


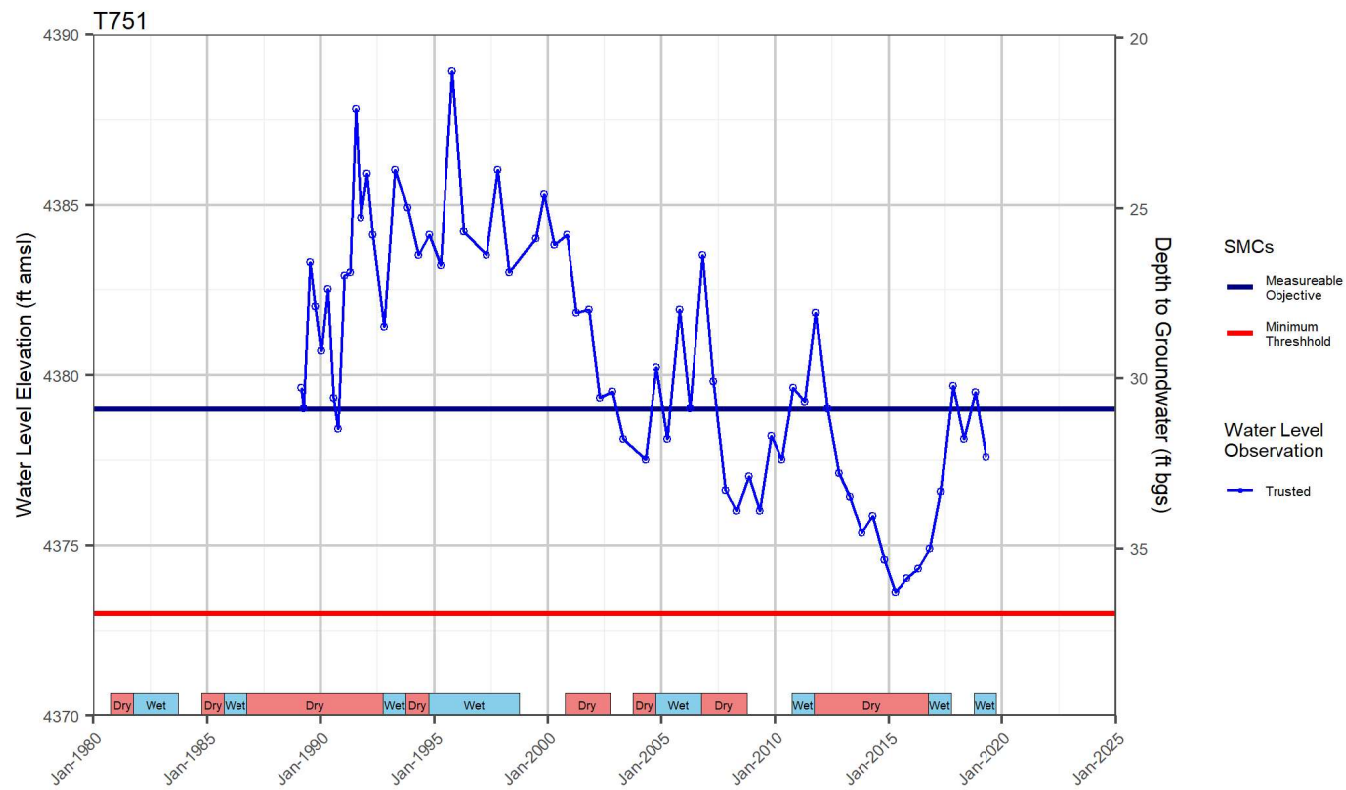


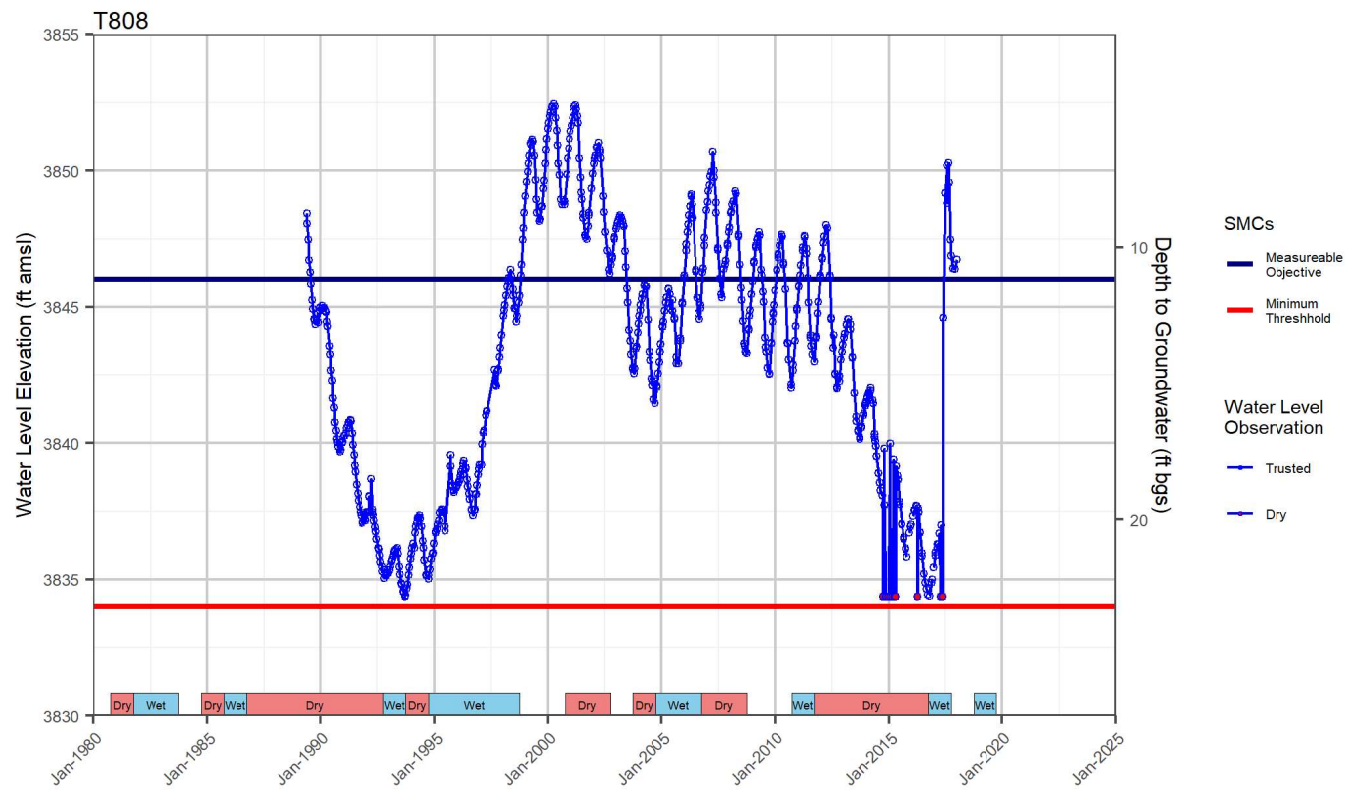


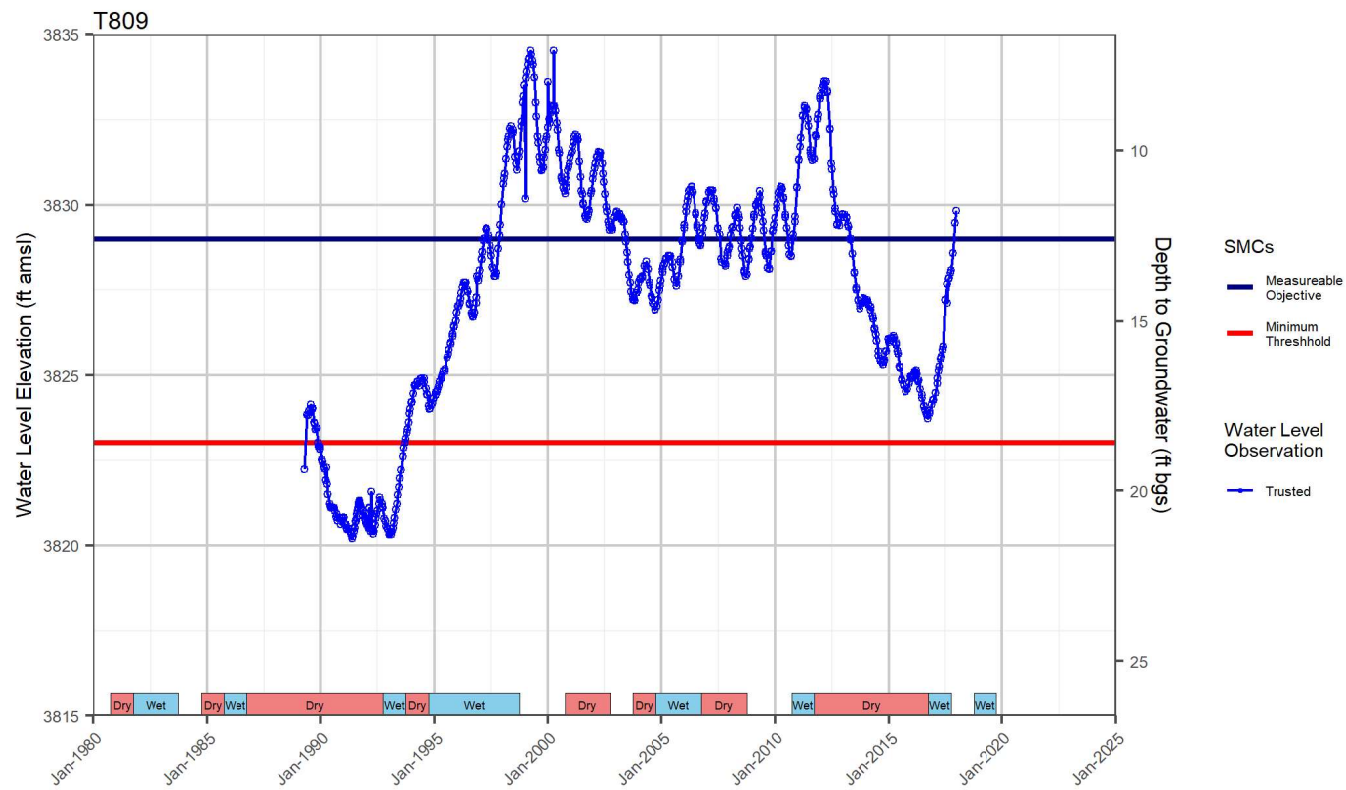


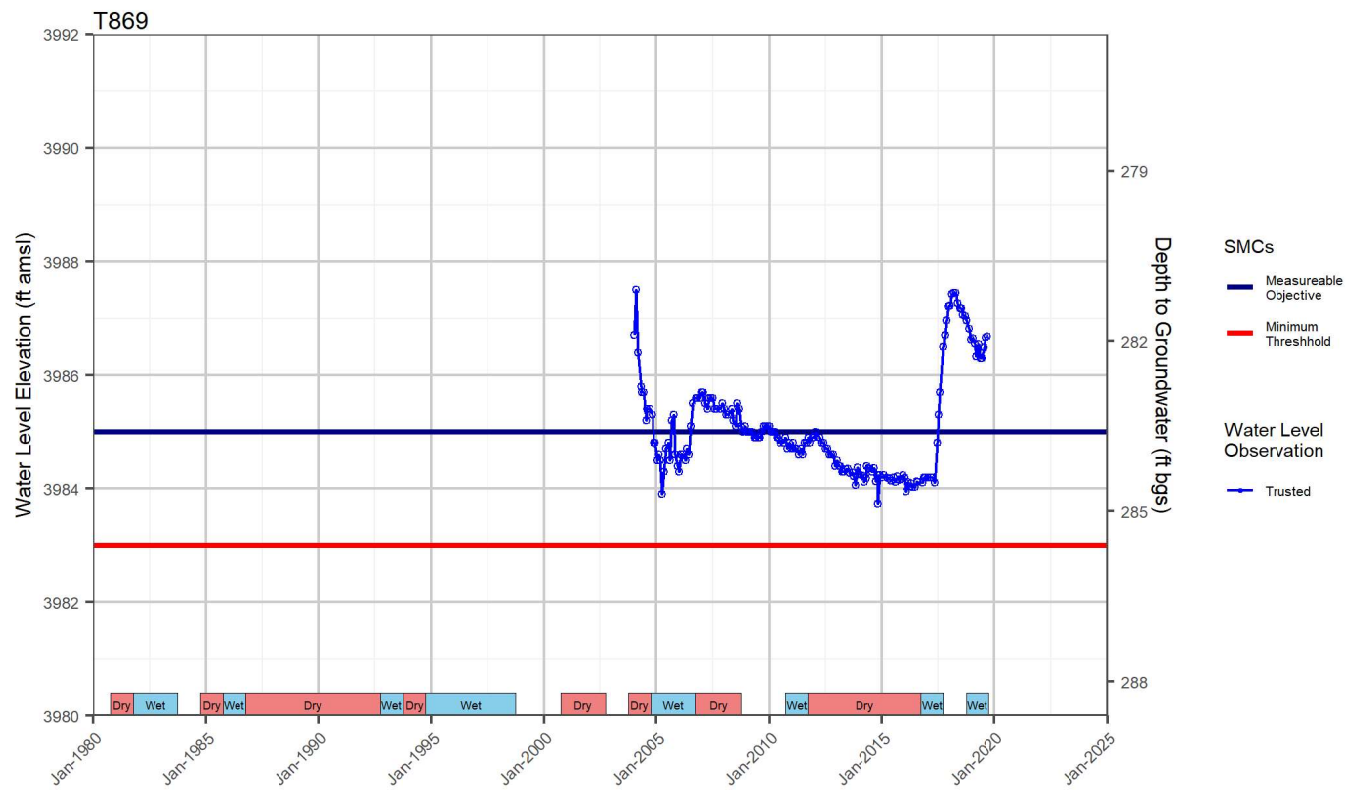


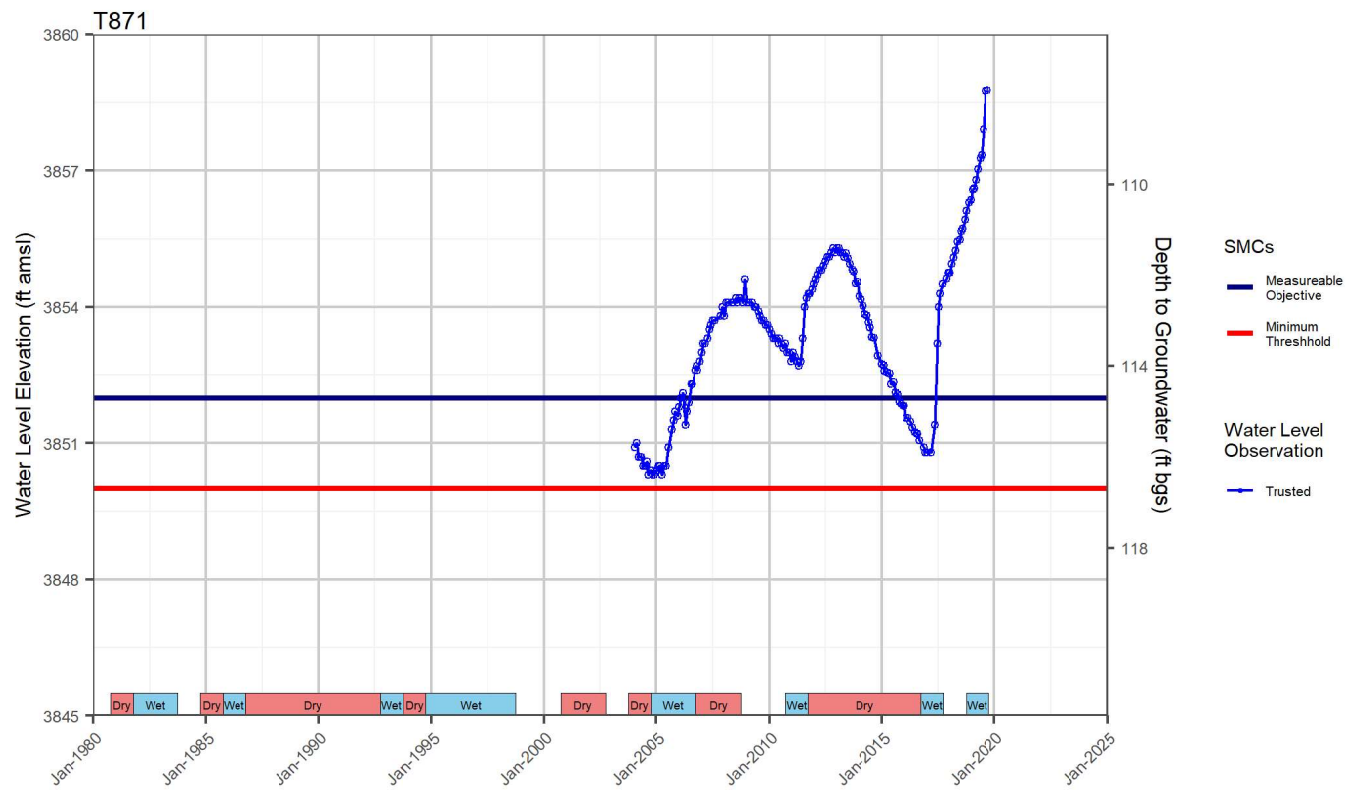


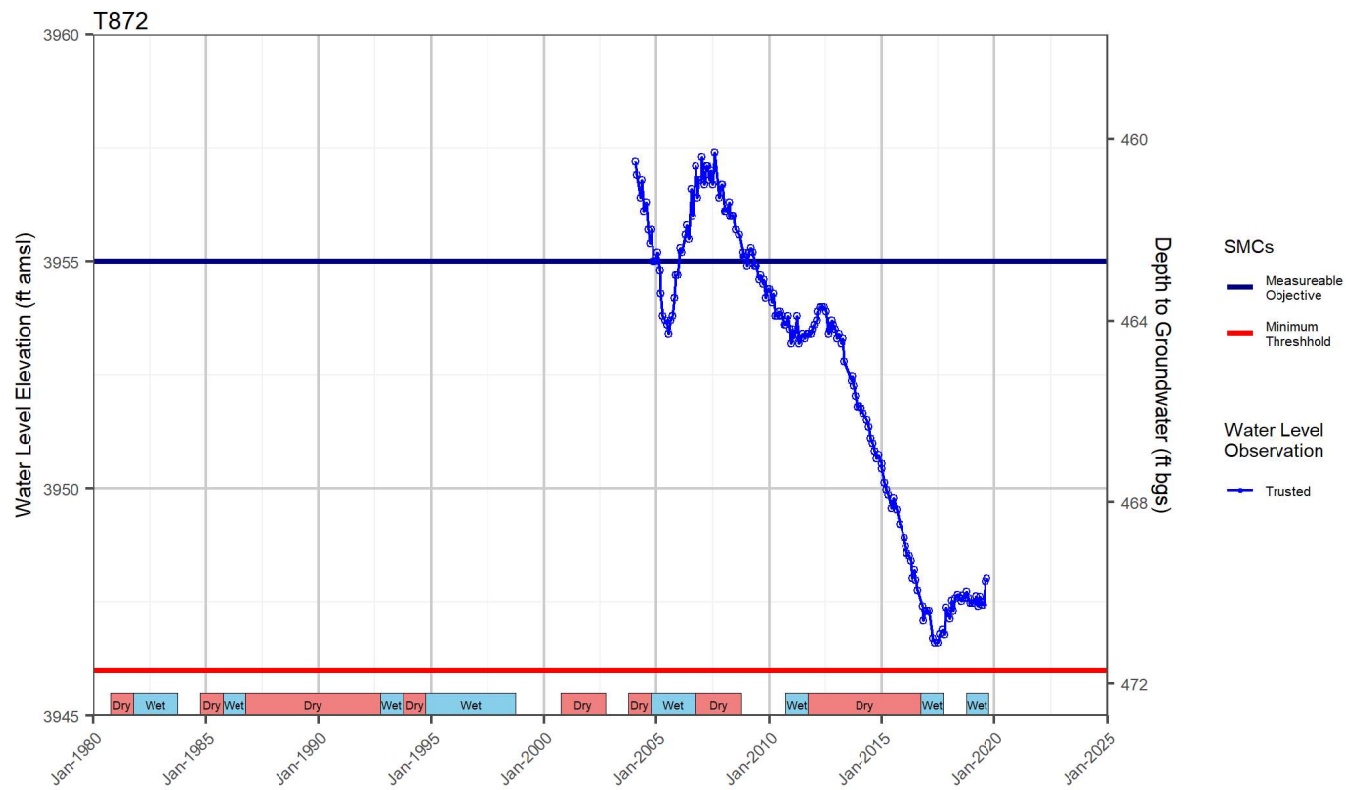


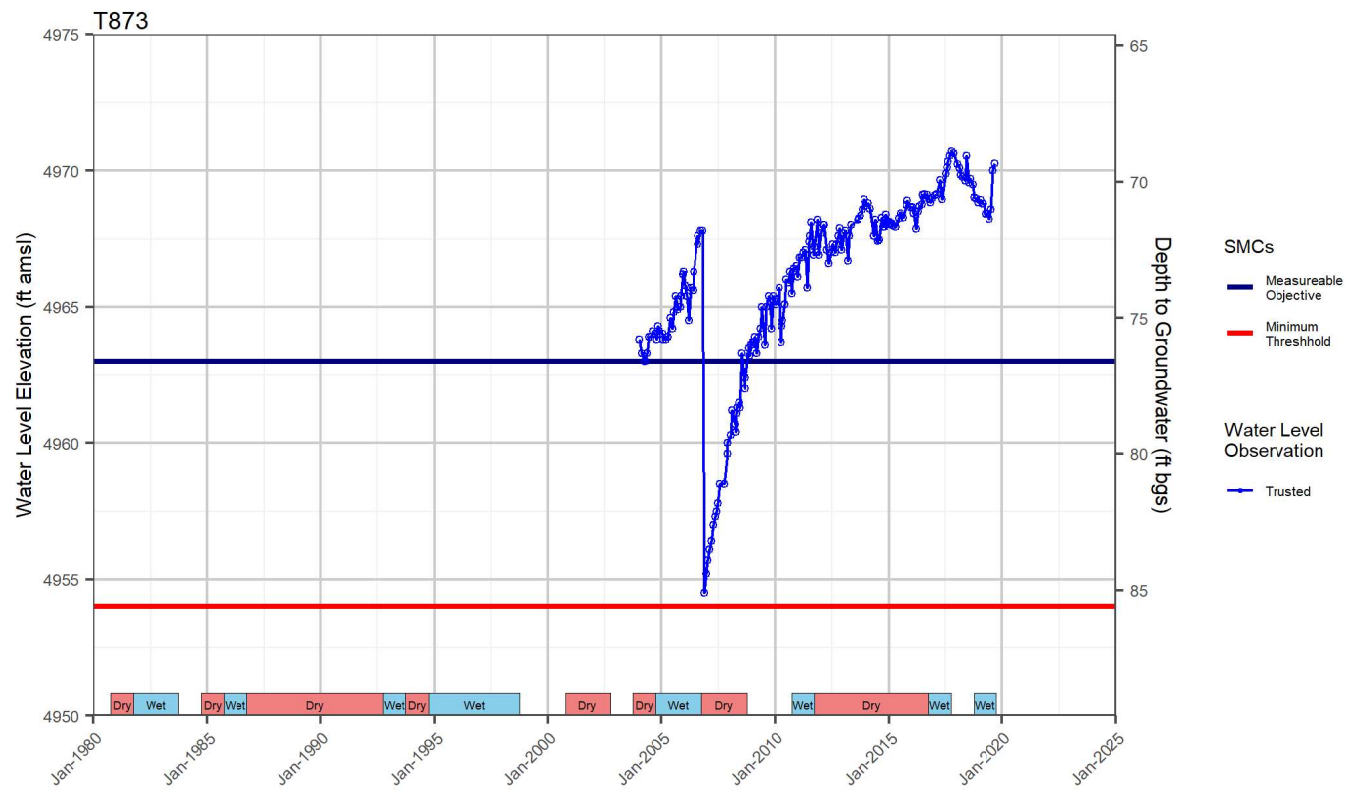


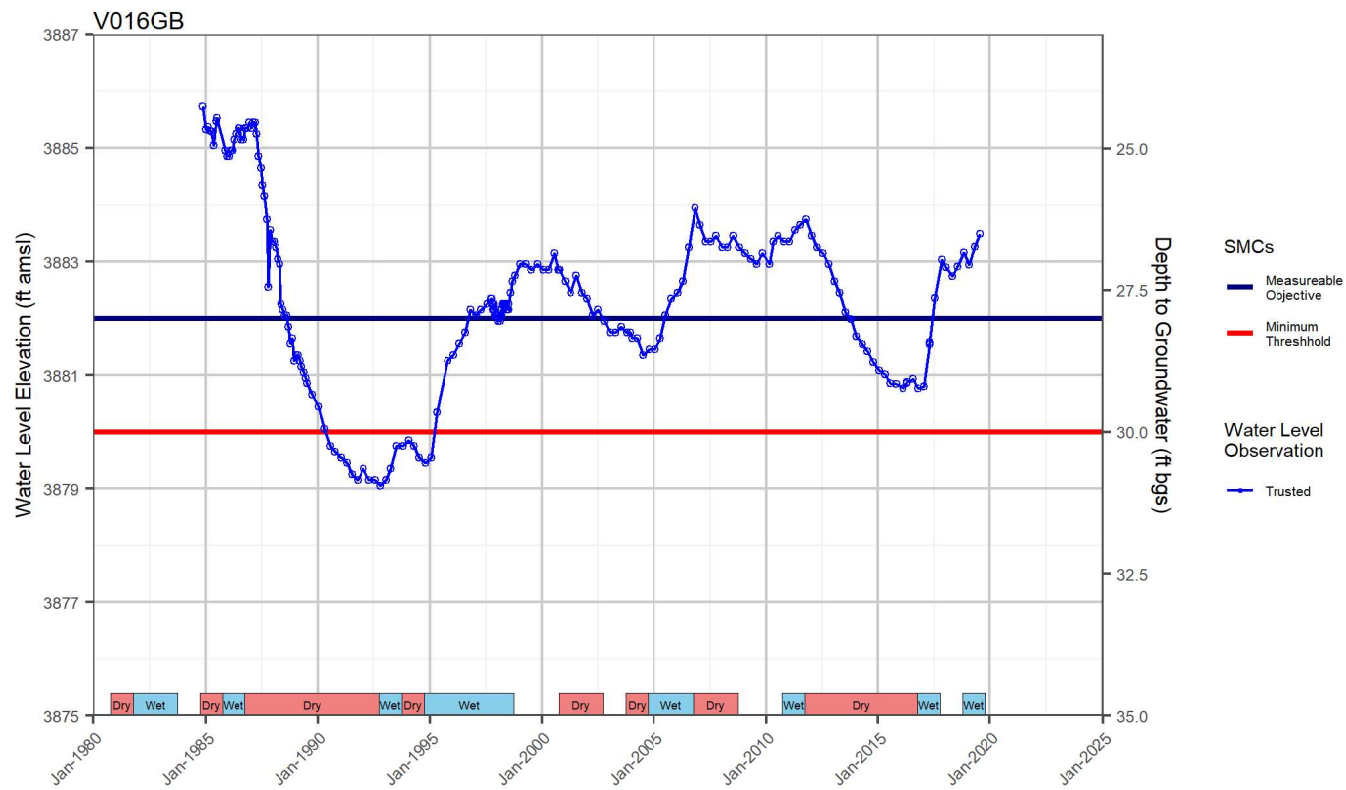


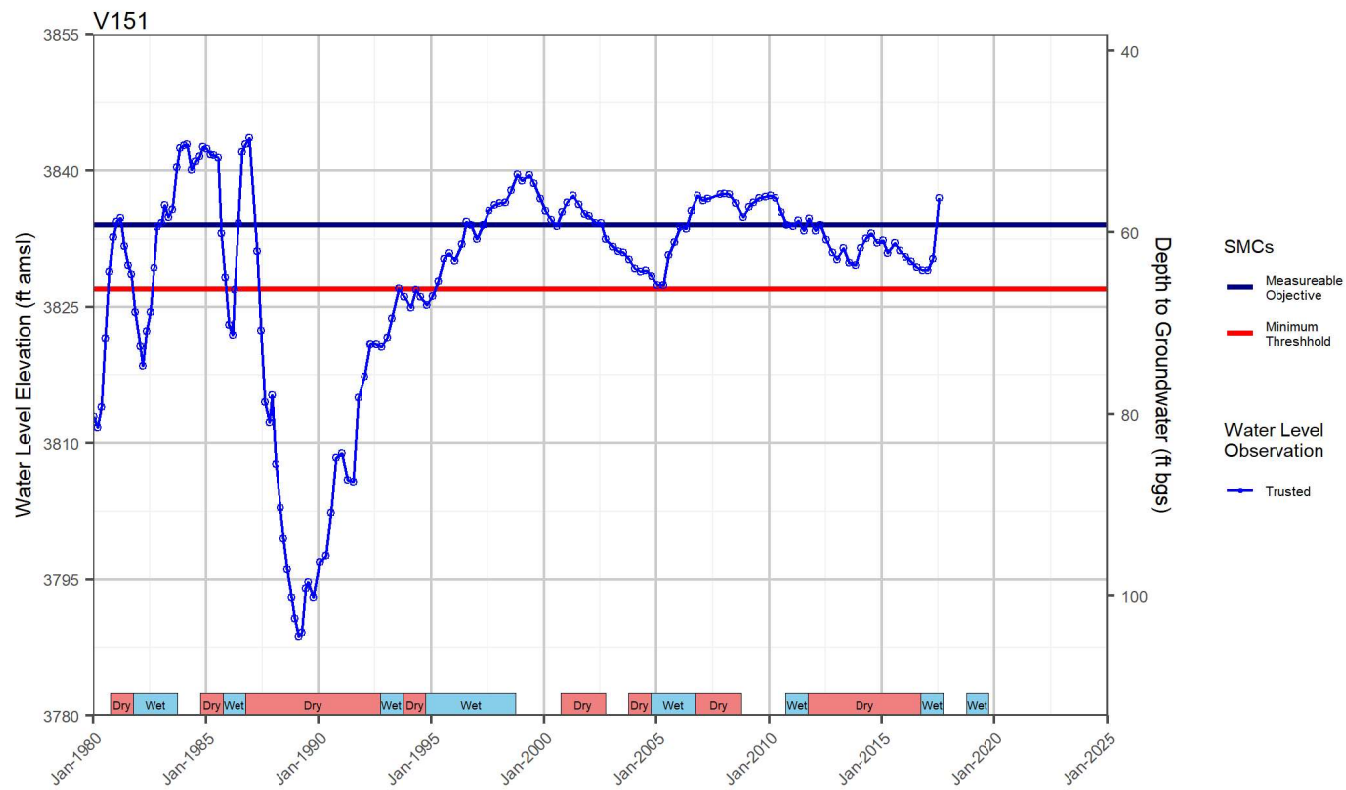


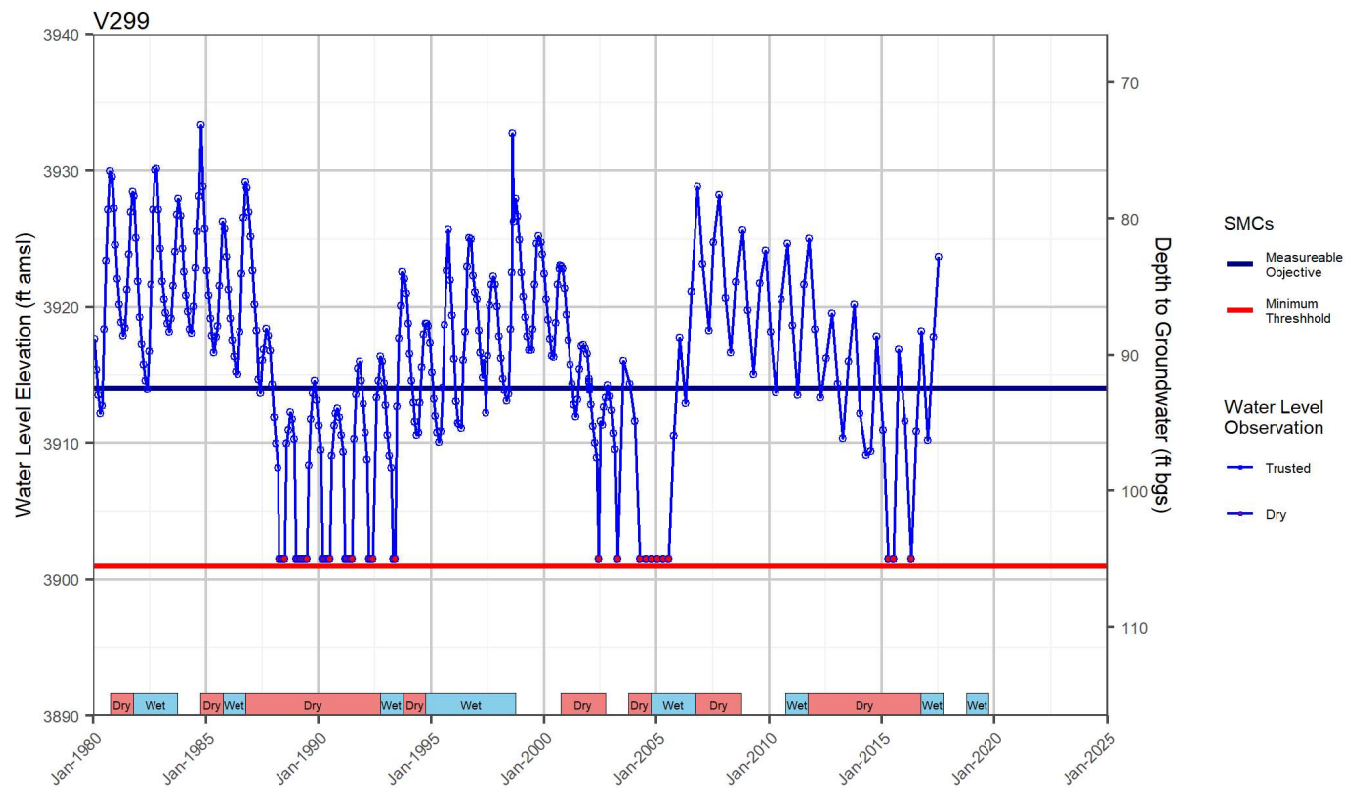


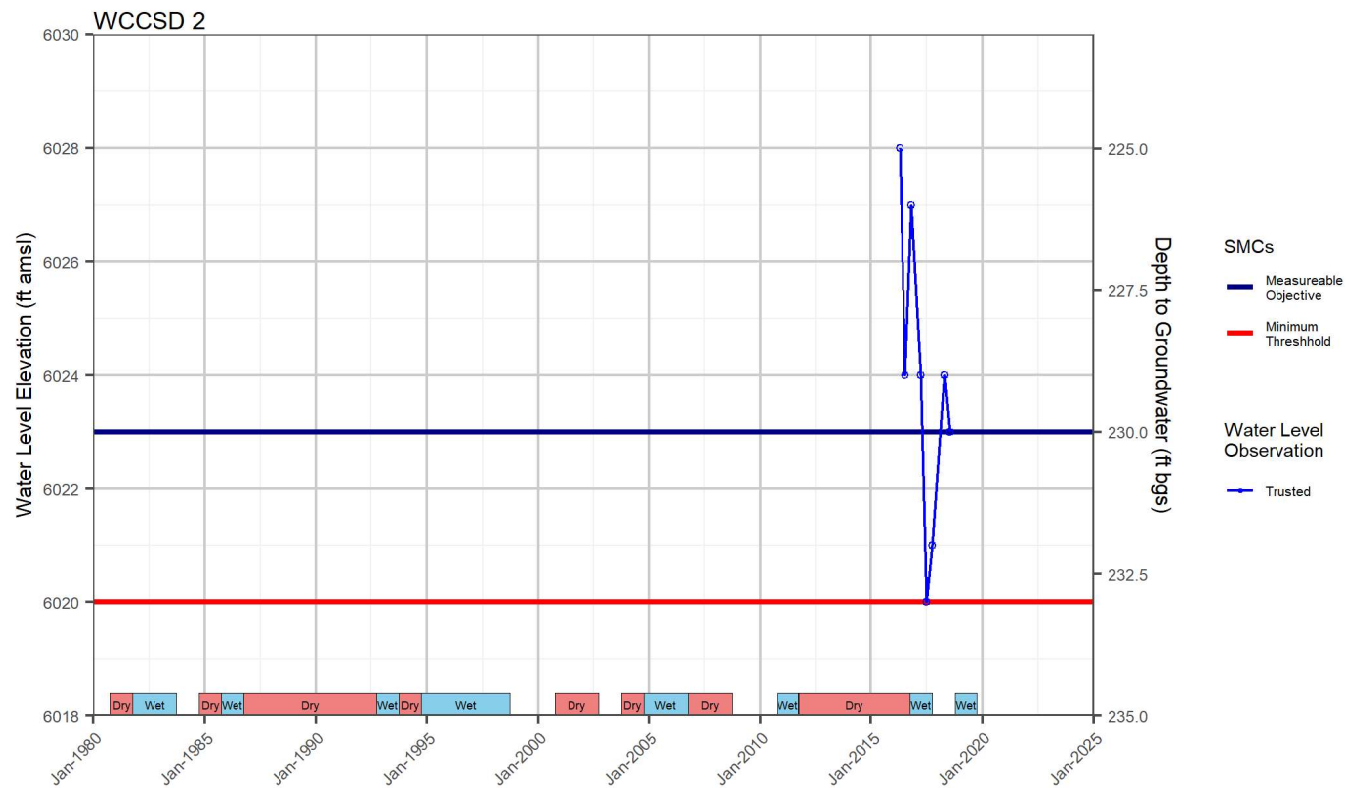


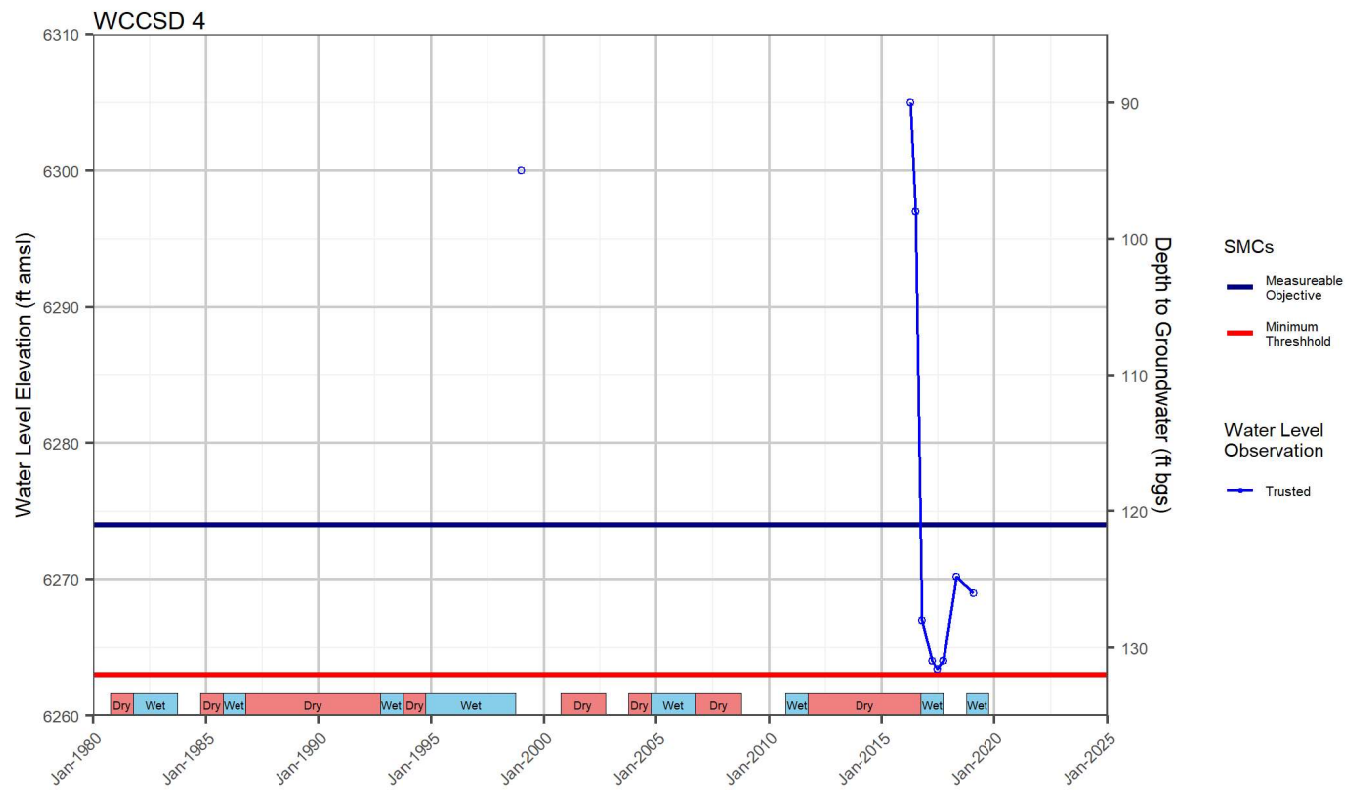












Owens Lake Management Area

