

MINUTES

Owens Valley Groundwater Authority

Board Members:

INDIAN CREEK-WESTRIDGE CSD	Luis Elias	BIG PINE CSD	BryAnna Vaughan
COUNTY OF MONO	Fred Stump	LONE PINE PAIUTE SHOSHONE TRIBE	Mel Joseph
CITY OF BISHOP	Chris Costello	OWENS VALLEY COMMITTEE	Mary Roper
COUNTY OF INYO	Dan Totheroh		

December 10, 2020

The Owens Valley Groundwater Authority meeting was called to order at 2:06 p.m. via videoconference.

1. Pledge of allegiance

The Chairman led the pledge of allegiance.

2. Public Comment

The Chairperson opened up public comment and there was no one wishing to address the Board.

3. Introductions

The Board introduced themselves with no alternates in attendance.

4. Approval of minutes from the November 12, 2020 OVGA Board meeting

The Chairperson requested a motion to approve the minutes of the November 12, 2020 meeting. Motion to approve by Dan Totheroh, seconded by Mary Roper. The Chairperson requested a roll call vote; Luis Elias – Y, Fred Stump – Y, Chris Costello – Y, Dan Totheroh - Y, BryAnna Vaughan – Y, Mel Joseph - Y, Mary Roper - Y . Motion passed 7 Yes.

5. Board Member Reports

The Chairperson requested this item be moved to the end of the meeting, the Board concurred.

6. OVGA staff reports

- a. Financial Report
- b. Report on website development
- c. Report on Indian Well Valley Groundwater Authority activities
- d. Report on Stakeholder Engagement efforts

Laura Piper, Inyo County Water Department provided the financial report and stated the OVGA cash balance is \$331,184.41; expenses were \$115,077.75 to consultant; \$10,800 to website design consultant; \$8,673.75 in staff costs; and \$2,275 to Fechtor and Company for the 2018/19 audit. Ms. Piper stated the new OVGA website is complete and live (ovga.us); also an OVGA Facebook page; and thanked Julie Faber for the exceptional design of the new website. John Vallejo stated the lawsuits have started to flow in for the Indian Wells Groundwater Authority; they are being sued by a number of agricultural and commercial interests; the public water district (not IWVGA) is actively engaged with LADWP to get an aqueduct project to refill the basin down there. Lynn Boulton asked if they submitted an inquiry to the Montecito Water District to buy water from them; John Vallejo stated he was not aware of a specific inquiry to Montecito but IWVGA has hired a group to seek water sources that are available via the aqueduct. Sally Manning stated the conflicts that IWVGA is seeing is due to the different state policies towards water; the state should be

involved to resolve this; and it's a problem at the state level. Lynn Boulton asked is there any legal way to say it's unrealistic to outsource for the water; John Vallejo said the state can deny approval of the GSP; the state can then step in and take over management. Wendy Sugimura, Mono County, provided the update on the stakeholder engagement efforts; she said there has been outreach to Tri-Valley GWMD; a few meetings have been attended for them to provide their input; OVGA staff will be providing a presentation at their December 16, 2020 meeting; given the current COVID situation and that Wi-Fi service in that area is spotty, staff will provide a survey that will be mailed to all property owners in that area and if they have further input, staff will contact them via telephone on an individual basis; Aaron will provide the input on other areas at a future meeting; and similar presentations will be provided in other management areas. Jason Canger asked about timing for the Tri-Valley and broader Owens Valley, Wendy stated Aaron would announce dates in early January and for Tri-Valley there is the presentation on December 16 scheduled; and the survey will be provided timely to ensure there is time for input before the plan. He asked if Wendy would be providing outreach in the outlying areas as well, she stated it would be a coordinated effort between OVGA staff.

7. Update on Tri-Valley Groundwater Management District request to Mono County and possible authorization for Executive Manager to submit public comment to the Mono County Board of Supervisors

John Vallejo stated staff from Inyo and Mono discussed that at the Tri-Valley GWMD's last meeting and instructed their staff to write a letter to Mono County requesting that Mono County exit from the OVGA Board; Mono County will consider that request on December 15, 2020; Inyo County wrote a staff report with potential consequences should Mono County withdraw from the OVGA Board which is before the OVGA Board to decide if they would like to provide input to Mono County. The Board and staff discussed this item in great detail and at length. Geri Bassett, Tri Valley Board member, stated she was not speaking on behalf of the Board but she knows there is concern about adequate representation of the issues in Tri-Valley; Tri-Valley would not have joined the JPA if we were rated a low basin to start with; the Tri Valley Board feels it is best as things change for them to become a separate GSA if they can get the status back from DWR; and part of the request is to ask Mono County to withdraw from the OVGA. A public comment from Tai Devore, Bishop Area Climbers Coalition President was read into the record. Philip Anaya stated it seems that the GSA entities came together to form this authority to form one entire basin; instead of several GSP's trying to reconcile with each other; Tri Valley should consider rejoining the OVGA. Jason Canger stated he is representing Tri-Valley; the staff report makes an assumption that the GSP would change; he stated that's not a decision before the Board at this time; the grant agreement obligates the OVGA to prepare a GSP for the entire basin; Mono County's withdrawal doesn't prevent or change that obligation; implementation of the plan would be a separate issue; the comment that Mono County represents more than just the Tri-Valley area is true but the majority of the parts inhabited by people are the Tri Valley parts; he is still unclear that because the OVGA is still a low priority basin, will they move to implement the plan. John Vallejo stated the plan is not completed so the Board can't make a decision to implement until it is complete so there is not an answer to that at this time. Jason Canger asked if it is the Boards intent to craft a plan for implementation; the Chairperson stated that is more a question for the consultant and reiterated what John Vallejo stated previously. John Vallejo stated at this point they can't answer whether or not Tri-Valley will be regulated by the GSP. The Chairperson stated this discussion is not part of the agenda item. The Board requested that staff prepare a letter to the Mono County Board of Supervisors and staff should discuss the differences; Motion by Luis Elias, seconded by BryAnna Vaughan to write a letter to the Mono County Board from the OVGA to be delivered prior to the December 15, 2020 meeting. The Chairperson requested a roll call vote; Luis Elias – Y, Fred Stump – abstain, Chris Costello – Y, Dan Totheroh – Y, BryAnna Vaughan – Y, Mel Joseph – Y, Mary Roper – Y, motion passed 6 yes, 1 abstention.

8. Election of OVGA Chairperson and Vice-Chairperson

Dan Totheroh made a motion to appoint Bryanna Vaughan as Chairperson, seconded by Mary Roper. The Chairperson requested a roll call vote; Luis Elias – Y, Fred Stump – Y, Chris Costello – Y, Dan Totheroh - Y, BryAnna Vaughan – abstain, Mel Joseph - Y, Mary Roper - Y . Motion passed 6 yes, 1 abstention.

Luis Elias made a motion to appoint Dan Totheroh as Vice-Chairperson, seconded by Mary Roper. The Chairperson requested a roll call vote; Luis Elias – Y, Fred Stump – Y, Chris Costello – Y, Dan Totheroh - abstain, BryAnna Vaughan – Y, Mel Joseph - Y, Mary Roper - Y . Motion passed 6 yes, 1 abstention.

The Chairperson called a break at 3:47 pm and reconvened the meeting at 3:58 pm.

9. Presentation from Daniel B. Stephens and Associates on elements of the Groundwater Sustainability Plan

Tony Morgan provided a brief presentation on the GSP update; status on the sampling and analysis plan; draft monitoring plan and data gaps analysis report; data and water quality; and what is included in the GSP. Gus Tolley provided a presentation on the sustainable management criteria; detailed information on evaluating the SMC and changes every 5 years if necessary. The Board and staff discussed this in detail. April Zrelak stated she wanted to support the use of management triggers. Sally Manning stated she disagrees that the minimum thresholds should be the lowest groundwater elevation during the recent drought. Lynn Boulton inquired if you can report to DWR if LADWP is affecting the non-adjudicated area of the basin; John Vallejo stated the LTWA is its own

GSP and the OVGA is trying to coordinate with that which is a court order. Sally Manning stated Inyo County needs to do a better job of upholding the LTWA. Lynn Boulton asked will this GSP monitor deep aquifer sustainability; is LADWP adjudicated groundwater basin applicable to the deep aquifer and not just shallow aquifers; if they tap deep aquifers will it be visible in OVGA GSP area. Gus Tolley & Keith Rainville provided a detailed response. Sally Manning reinstated she objects to the minimum thresholds. April Zrelak stated water banking may raise groundwater levels until it's pumped out, which wouldn't be a natural movement. Sally Manning stated this is late in the game to talk about sustainable criteria without having reached out to the various communities to see what they want. Tony Morgan stated these are suggestions; there is a stakeholder process that can change these criteria. Lynn Boulton asked if a minimum threshold is set which is the drought, then the standard is set to low and we don't want to make the drought the standard.

10. Discussion regarding future agenda items and set next OVGA meeting

Change by-laws to elect Chair/Vice Chair at the first meeting of the calendar year. Philip Anaya stated he would like to see on a future agenda, the possibility that Keeler may be asked to provide water to the conglomerate mesa project.

The Chairperson thanked Fred Stump and Chris Costello for their service on the OVGA Board.

The next meeting was scheduled for January 14, 2020 via videoconference.

11. Adjourn

The Chairperson adjourned the meeting at 5:20 pm.

COUNTY OF INYO
FRI, JAN 08, 2021, 1:51 PM --req: HW0254---leg: GL ---loc: AUD-----job:2835423 J6225---prog: GL440 <1.61>--report id: GLFLTR02

SORT ORDER: OBJECT within BUDUNIT

SELECT BUDGET UNIT: 621601

Lg	BUDGET UNIT	Primary Ref	Transaction Description	SS	Ref Date	Job No	Debit	Credit	NET
GL	621601-1000	YEAREND	3 . Balance Forward 2019/2020	JE	07/01/20	02834594	257 ,728.58	0.00	257 ,728.58
GL	621601-1000	TTLCHR	AutoID: JS20722C Job: 2728031 JE 07/22/20 02728031		75 ,513.66		0.00	333 ,242.24	
GL	621601-1000	JE37069	AutoID: CS20722A Job: 2728577 CR 07/22/20 02728577		52 ,859.66		0.00	386 ,101.90	
GL	621601-1000	TTLOH	AutoID: JS20722D Job: 2733834 JE 07/29/20 02733834		22 ,654.00		408 ,755.90		
GL	621601-1000	TTLOH	AutoID: WD19721A Job: 2734188 OH 07/29/20 02734188		0.00		165 .40	408 ,590.50	
GL	621601-1000	TTLOH	AutoID: WD19721B Job: 2734198 OH 07/29/20 02734198		0.00		66 .24	408 ,524.26	
GL	621601-1000	TTLOH	AutoID: CR20806A Job: 2740435 JE 08/04/20 02740435		1 ,371.90		0.00	409 ,896.16	
GL	621601-1000	TTLOH	AutoID: CR20805A Job: 2739981 CR 08/05/20 02739981		22 ,654.00		0.00	432 ,550.16	
GL	621601-1000	TTLOH	AutoID: WD19805A Job: 2747387 OH 08/17/20 02747387		0.00		2,174.85	430 ,375.31	
GL	621601-1000	TTLOH	AutoID: CR20818A Job: 2749131 CR 08/18/20 02749131		75 ,513.66		0.00	505 ,888.97	
GL	621601-1000	TTLOH	AutoID: WD19811A Job: 2749832 OH 08/19/20 02749832		0.00		1,438 .50	504 ,450.47	
GL	621601-1000	TTLOH	AutoID: OW200827C Job: 2756428 OH 08/31/20 02756428		0.00		33 ,944.66	470 ,505.81	
GL	621601-1000	JE37592	AutoID: JR20C15B Job: 2787152 JE 10/15/20 02787152		0.00		2,494.90	468 ,010.91	
GL	621601-1000	TTLOH	AutoID: OB20030A Job: 2796630 OH 11/02/20 02796630		0.00		3 ,000.00	465 ,010.91	
GL	621601-1000	TTLOH	AutoID: WD20028B Job: 2798921 OH 11/04/20 02798921		0.00		2,275.00	462 ,735.91	
GL	621601-1000	TTLOH	AutoID: OB20N12B Job: 2804082 OH 11/13/20 02804082		0.00		5 ,673.75	457 ,062.16	
GL	621601-1000	TTLOH	AutoID: OB20N24F Job: 2813653 OH 12/01/20 02813653		0.00		78 ,259.75	378 ,802.41	
GL	621601-1000	TTLOH	AutoID: OB20N30A Job: 2813653 OH 12/01/20 02813653		0.00		10 ,800.00	368 ,002.41	
GL	621601-1000	TTLOH	AutoID: OB20D10F Job: 2820273 OH 12/11/20 02820273		0.00		36 ,818.00	331 ,184.41	
GL	621601-1000	TTLOH	AutoID: SW20D14C Job: 2821410 JE 12/14/20 02821410		0.00		3,316.00	328 ,868.41	
GL	621601-1000	TTLOH	AutoID: OB20D15A Job: 2822929 OH 12/16/20 02822929		0.00		9 ,223.69	319 ,644.72	
GL	621601-1000	TTLOH	AutoID: JA20C21E Job: 2826547 JE 12/21/20 02826547		1 ,027.13		67 ,021.70	252 ,623.02	
GL	621601-1000	INTEREST	CLAIM ON CASH DR		509 ,322.59		0.00	253 ,650.15	
GL	621601-1160	YEAREND	3 . Balance Forward 2019/2020	JE	07/01/20	02834594	1 ,371.90	0.00	1 ,371.90
GL	621601-1160	INTRCBL	4th QTR INTEREST RVR\$	JE	08/04/20	02740435	0.00	1,371.90	0.00
GL	*****Total *OBJT 1160		INTEREST RECEIVABLE DR		1 ,371.90		1,371.90	0.00	
GL	621601-2000	YEAREND	4 . Balance forward 2019/2020	JE	07/01/20	02834594	0.00	37 ,624.25	37 ,624.25
GL	621601-2000	TTLOH	AutoID: WD19721A Job: 2733181 OH 07/28/20 02733181		0.00		165 .40	37 ,789.65	
GL	621601-2000	TTLOH	AutoID: WD19721B Job: 2734188 OH 07/29/20 02734188		165 .40		0.00	37 ,624.25	
GL	621601-2000	TTLOH	AutoID: WD19805A Job: 2747387 OH 08/17/20 02747387		66 ,24		0.00	37 ,558.01	
GL	621601-2000	TTLOH	AutoID: WD19811A Job: 2749832 OH 08/19/20 02749832		1 ,174.85		0.00	35 ,383.16	
GL	621601-2000	TTLOH	AutoID: OW20827C Job: 2758428 OH 08/31/20 02758428		1 ,438 .50		0.00	33 ,943.66	
GL	621601-2000	TTLOH	AutoID: WD19825A Job: 2759412 OH 09/01/20 02759412		33 ,944.66		0.00	0.00	
GL	621601-2000	TTLOH	AutoID: WD19825A Job: 2760763 OH 09/02/20 02760763		5 ,673 .75		2,494.90	2,494.90	
GL	621601-2000	TTLOH	AutoID: OB20C30A Job: 2762227 OH 10/30/20 02796227		2 ,494.90		0.00	0.00	
GL	621601-2000	TTLOH	AutoID: OB20C30A Job: 2796630 OH 11/02/20 02796630		0.00		2,275.00	2,275.00	
GL	621601-2000	TTLOH	AutoID: WD200283 Job: 2798240 OH 11/03/20 02798240		2 ,275.00		0.00	0.00	
GL	621601-2000	TTLOH	AutoID: WD200283 Job: 2798921 OH 11/04/20 02798921		0.00		5 ,673.75	5 ,673.75	
GL	621601-2000	TTLOH	AutoID: OB20N12B Job: 2803602 OH 11/12/20 02803602		0.00		1,371.90	0.00	
GL	621601-2000	TTLOH	AutoID: OB20N12B Job: 2804082 OH 11/13/20 02804082		78 ,259.75		0.00	78 ,259.75	
GL	621601-2000	TTLOH	AutoID: OB20N24F Job: 2811282 OH 11/24/20 02811282		0.00		0.00	0.00	
GL	621601-2000	TTLOH	AutoID: OB20N30A Job: 2812959 OH 11/30/20 02812959		0.00		10 ,800.00	10 ,800.00	
GL	621601-2000	TTLOH	AutoID: OB20N24F Job: 2813653 OH 12/01/20 02813653		10 ,800.00		0.00	36 ,818.00	
GL	621601-2000	TTLOH	AutoID: OB20N30A Job: 2813653 OH 12/01/20 02813653		36 ,818.00		0.00	0.00	
GL	621601-2000	TTLOH	AutoID: OB20D10F Job: 2819778 OH 12/10/20 02819778		0.00		2,316.00	2,316.00	
GL	621601-2000	TTLOH	AutoID: OB20D10F Job: 2820273 OH 12/11/20 02820273		2 ,316.00		0.00	0.00	
GL	621601-2000	TTLOH	AutoID: OB20D15A Job: 28222529 OH 12/15/20 028222529		0.00		67 ,021.70	67 ,021.70	

COUNTY OF INYO Short [T R A N S A C T I O N L I S T I N G] 07/01/2020 - 01/07/2021 Page 2
 FRI, JAN 08, 2021, 1:51 PM -req: HW0254---1eg: GL ---loc: AUD-----job:2835423 J6225---prog: GL440 <1.61>--report id: GFLTR02

SORT ORDER: OBJECT within BUDUNIT

SELECT BUDGET UNIT: 621601

Lg	BUDGET UNIT	Primary Ref	Transaction Description	SS	Ref Date	Job No	Debit	Credit	NET
GL	621601-2000	TTLOH	AUTOID:OB20D15A Job:2822929	OH	12/16/20	02822929	67,025.70	0.00	0.00
GL	621601-2000	TTLOH	AutoID:OB21107G Job:2834074	OH	01/07/21	02834074	0.00	37,882.50	37,882.50
*****	Total *OBJT 2000		ACCOUNTS PAYABLE	CR		243,448.75		281,331.25	37,882.50
GL	621601-3000	YEAREND	1. Balance Forward 2019/2020	JE	07/01/20	02834594	0.00	59,494.71	59,494.71
GL	621601-3000	YEAREND	2. Balance Forward 2019/2020	JE	07/01/20	02834594	0.00	161,981.52	221,476.23
*****	Total *OBJT 3000		FUND BALANCE AVAILABLE	CR		0.00	221,476.23		221,476.23
GL	621601-4301	INTEREST	1ST QRT 20/21 INTEREST	JE	12/21/20	02826547	0.00	1,027.13	1,027.13
*****	Total *OBJT 4301		INTEREST FROM TREASURY	CR		0.00	1,027.13		1,027.13
GL	621601-4599	JE37035	20/21 INVO OVGA CONTRIBUTION	JE	07/22/20	02728031	0.00	75,513.66	75,513.66
GL	621601-4599	CR11902	143 OVGA GSP CONTRIBUTION	CR	07/22/20	02728577	0.00	52,859.66	128,373.32
GL	621601-4599	JE37069	I#3 OVGA GSP DEVELOPMENT	JE	07/29/20	02733834	0.00	22,654.00	151,027.32
GL	621601-4599	CR11938	I#3 WESTRIDGE/INDIAN CREEK	CR	08/05/20	02739981	0.00	173,681.32	
GL	621601-4599	CR11956	I#3 20/21 OVGA-MONO CO 2020-21	CR	08/18/20	02749131	0.00	75,513.66	249,194.98
*****	Total *OBJT 4599		OTHER AGENCIES	CR		0.00	249,194.98		249,194.98
GL	621601-5155	GS200710060	GOLDEN STATE RI ACCT#OWENVAL OH 09/01/20	02759412		2,494.90	0.00	2,494.90	
*****	Total *OBJT 5155		PUBLIC LIABILITY INSURANCE	DR		2,494.90	0.00	2,494.90	
GL	621601-5263	70243	INVO REGISTER, CUST#01110862	OH	07/28/20	02733181	165.40	0.00	165.40
*****	Total *OBJT 5263		ADVERTISING	DR		165.40	0.00	165.40	
GL	621601-5265	042420	FECHTER & COMPAGNA 18/19 AUDIT OV	OH	10/30/20	02796227	2,275.00	0.00	2,275.00
GL	621601-5265	244576	DANIEL B STEPHEN INVO CO PROJ#D OH 11/12/20	02803602		78,259.75	0.00	80,534.75	
GL	621601-5265	6607	ALPEN ARETE OVGA WEBSITE DESIGN	OH	11/24/20	02811282	10,800.00	0.00	91,334.75
GL	621601-5265	245042	DANIEL B STEPHEN INVO CO PROJ#D OH 11/30/20	02812959		36,818.00	0.00	128,152.75	
GL	621601-5265	111220	FECHTER & COMPAGNA 18/19 AUDIT OV	OH	12/10/20	02819778	2,316.00	0.00	130,468.75
GL	621601-5265	243077	DANIEL B STEPHEN INVO CO PROJ#D OH 12/15/20	02822529		48,031.95	0.00	178,500.70	
GL	621601-5265	243552	DANIEL B STEPHEN INVO CO PROJ#D OH 12/15/20	02822529		18,989.75	0.00	197,490.45	
GL	621601-5265	2450844	DANIEL B STEPHEN INVO CO PROJ#D OH 01/07/21	02834074		37,882.50	0.00	235,372.95	
*****	Total *OBJT 5265		PROFESSIONAL & SPECIAL SERVICE	DR		235,372.95	0.00	235,372.95	
GL	621601-5539	JE37592	OVGA-BOARD STAFF JUL-SEP20	JE	10/15/20	02787152	3,000.00	0.00	3,000.00
GL	621601-5539	202101	MONO COUNTY JUL-SEP 2020 OVGA OH 11/03/20	0279824		5,673.75	0.00	8,673.75	
GL	621601-5539	JE38067	JUL-SEPT2020 STAFF OVGA BOARD JE 12/14/20	02821410		9,223.69	0.00	17,897.44	
*****	Total *OBJT 5539		OTHER AGENCY CONTRIBUTIONS	DR		17,897.44	0.00	17,897.44	
*****	Total *BUDG 621601		OVGA-OWENS VALLEY GROUNDWATER	DR-CR		1,010,073.93	1,010,073.93	0.00	
			*** GRAND TOTAL **	DR-CR		1,010,073.93	1,010,073.93	0.00	

COUNTY OF INYO
UNDESIGNATED FUND BALANCES

AS OF 06/30/2021

		Claim on Cash 1000	Accounts Receivable 1100	Loans Receivable 1140	Prepaid Expenses 1200	Accounts Payable 2000	Loans Payable 2140	Deferred Revenue 2200	Computed Fund Balance	Computed Fund Balance	Fund Balance
WDIR	- WATER										
6272	OVGA-OWENS VALLEY	253,650				37,883			215,767	309	215,458
WDIR	Totals	253,650				37,883			215,767	309	215,458
Grand Totals		253,650				37,883			215,767	309	215,458

COUNTY OF INYO
Budget to Actuals with Encumbrances by Key/Obj

Ledger: GL

As Of 1/7/2021

Object	Description	Budget	Actual	Encumbrance	Balance
Key: 621601 - OVGA-OWENS VALLEY GROUNDWATER					
Revenue					
4301	INTEREST FROM TREASURY	4,000.00	1,027.13	0.00	2,972.87
4498	STATE GRANTS	311,284.00	0.00	0.00	311,284.00
4599	OTHER AGENCIES	249,195.00	249,194.98	0.00	0.02
	Revenue Total:	564,479.00	250,222.11	0.00	314,256.89
Expenditure					
5129	INTERNAL COPY CHARGES	1,500.00	0.00	0.00	1,500.00
5155	PUBLIC LIABILITY INSURANCE	2,500.00	2,494.90	0.00	5.10
5263	ADVERTISING	2,000.00	165.40	0.00	1,834.60
5265	PROFESSIONAL & SPECIAL	319,534.00	235,372.95	309.00	83,852.05
5291	OFFICE, SPACE & SITE RENTAL	1,500.00	0.00	0.00	1,500.00
5311	GENERAL OPERATING EXPENSE	500.00	0.00	0.00	500.00
5539	OTHER AGENCY	104,470.00	17,897.44	0.00	86,572.56
5901	CONTINGENCIES	13,290.00	0.00	0.00	13,290.00
	Expenditure Total:	445,294.00	255,930.69	309.00	189,054.31
621601	Key Total:	119,185.00	(5,708.58)	(309.00)	125,202.58

RESOLUTION NO. ____

**A RESOLUTION OF THE OWENS VALLEY GROUNDWATER AUTHORITY
AMENDING THE AUTHORITY'S BYLAWS**

WHEREAS, the Owens Valley Groundwater Authority (OVGA) Board adopted bylaws via Resolution No. 6; and

WHEREAS, the OVGA Board desires to amend said Bylaws in order to change the date upon which officers of the Board are appointed.

NOW, THEREFORE, BE IT RESOLVED, that Article II, Paragraph 2, is amended in its entirety to read as follows:

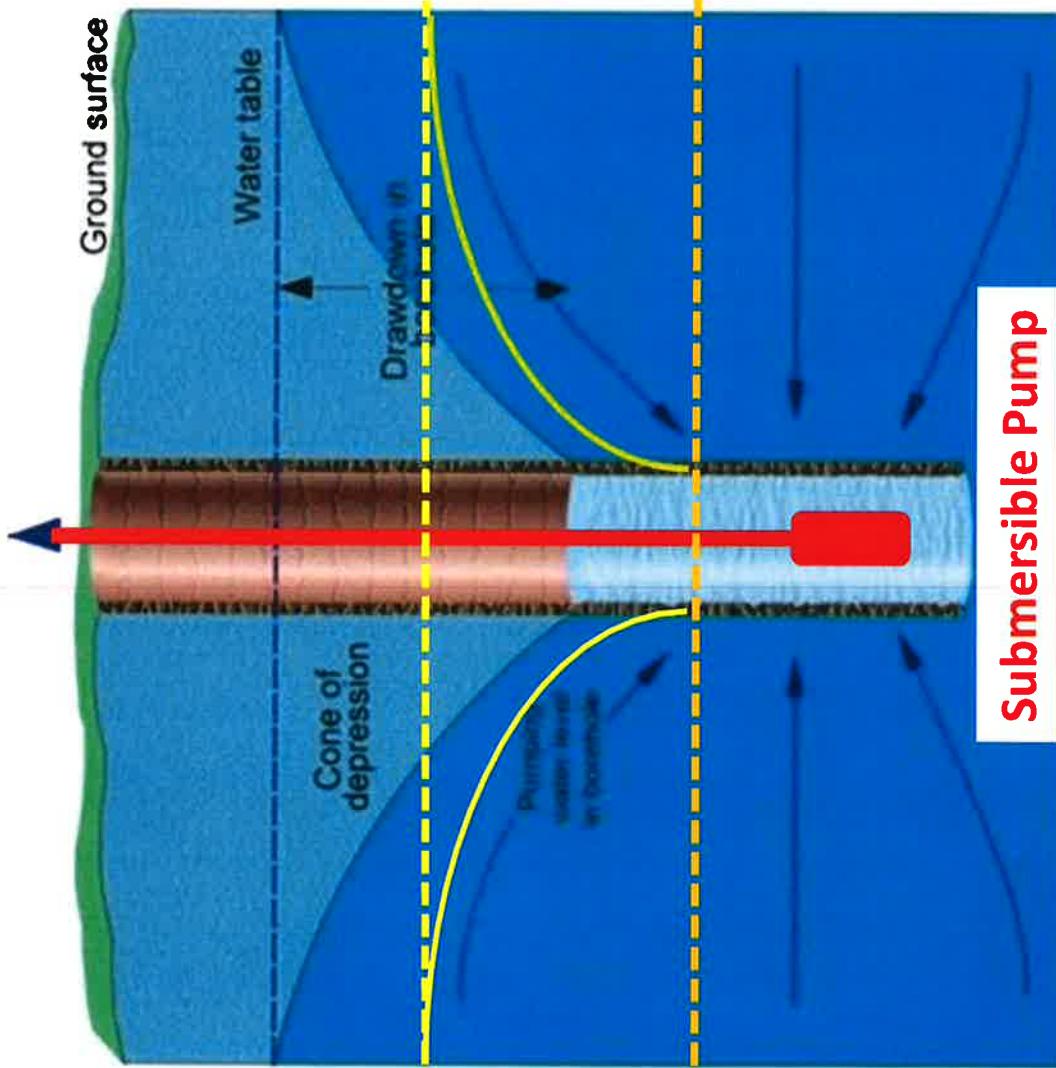
"2. APPOINTMENT OF OFFICERS OF THE BOARD.

The Board shall, by March of each year, nominate and elect from its membership a Chairperson and Vice-Chairperson to take office at the meeting during which the election is held. The term of the Chairperson and Vice-Chairperson shall be one (1) year. If the Chair position is vacated for any reason before the full term is served, the Vice Chair becomes Chair and a new Vice Chair shall be nominated and elected, each for the remainder of the 1 year term. If the Vice Chair position is vacated for any reason before the full term is served, a new Vice Chair shall be selected from the jurisdiction of the departing Vice Chair to fill the remainder of the term."

Tri-Valley Well Vulnerability Assessment



Discharge



Submersible Pump



Tri-Valley Well Vulnerability Assessment

Undesirable Result	Potential Impact	Est. Expense
Lower water level in well	Increased lift costs and shortened pump life	Dollars to tens of dollars per year
Water level is at or below necessary pumping level	Pump needs to be lowered or replaced with greater hp	Hundreds to thousands of dollars (one-time cost)
Water level drops below bottom of well screen	Well needs to be re-drilled or deepened	Tens of thousands of dollars (one-time cost)

Minimum Threshold set at 30 feet above bottom of well screen based on the local custom of hanging pumps near bottom of well and need for adequate column of water above pump during dynamic drawdown.

Tri-Valley Well Vulnerability Assessment



OWENS VALLEY GROUNDWATER AUTHORITY

Valley	Total Number of Wells Analyzed	Total Number of Vulnerable Wells			
		2020	2025	2040	2050
Benton	41	2 5%	3 7%	3 7%	5 12%
Hammil	49	3 6%	3 6%	6 12%	10 20%
Chalfant	102	3 3%	5 5%	7 7%	11 11%

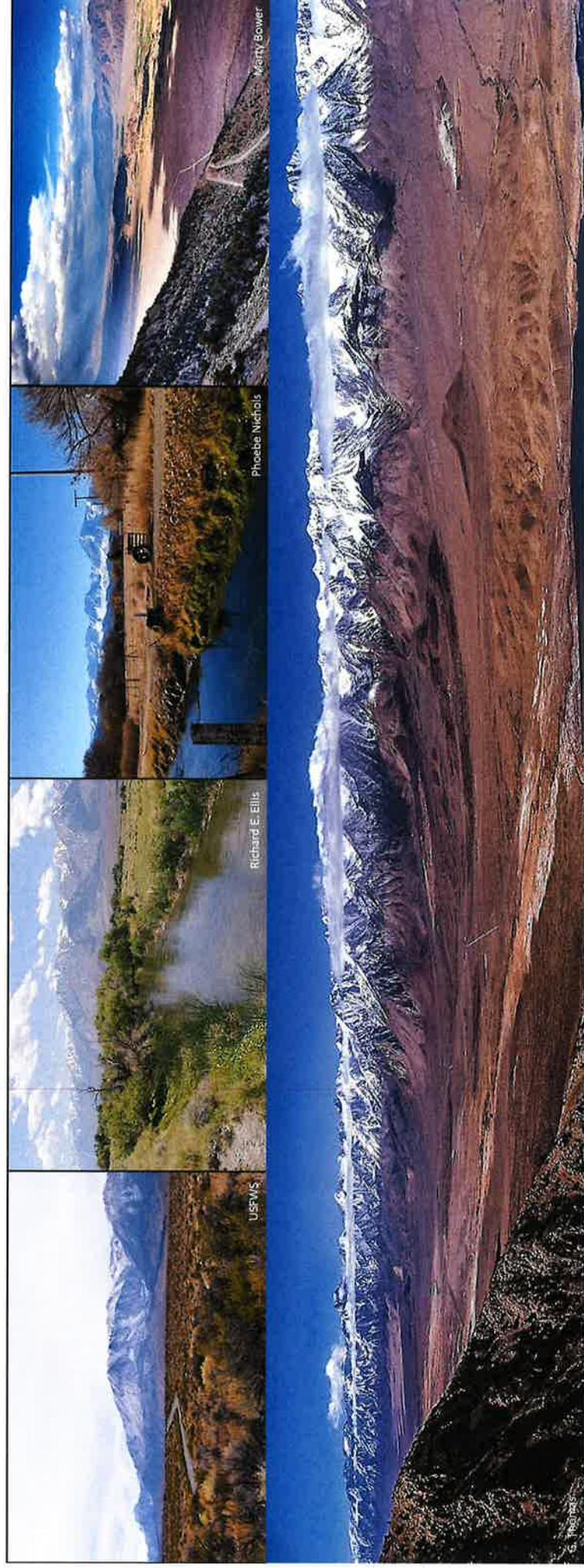
Based on Minimum Threshold of 30 feet water column above bottom of well screen, and drawdown rates of 0.5 ft/yr in Benton and Chalfant and 1.8 ft/yr in Hammil Valley.



OWENS VALLEY GROUNDWATER AUTHORITY

Owens Valley GSP Update

January 14, 2021



Questions from December Meeting?

- Topics covered:

- ✓ Sampling and Analysis Plan (SAP)
- ✓ Sustainable Management Criteria (SMCs)
- ✓ Basin-wide SMC matrix
- ✓ Management area SMC matrices



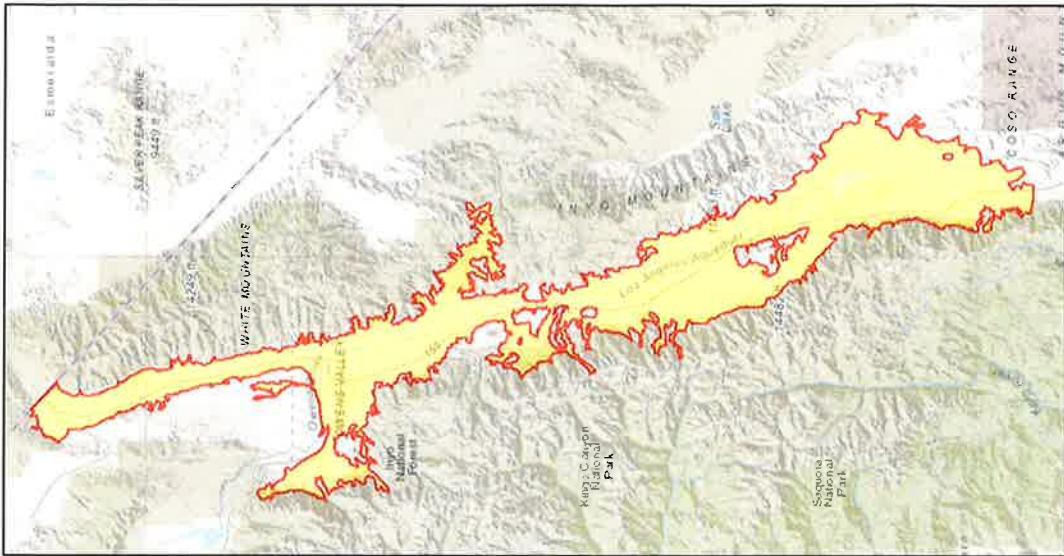
Technical Memoranda

Subject	In Progress	Staff Review	Draft Final
Distributed Parameter Watershed Model	X	X	X
West Bishop Shallow GW Evaluation	X	X	X
Monitoring Plan & Data Gaps Analysis	X	X	X
Subsidence	X	X	
GDEs	X	X	
Hydrogeologic Conceptual Model	X	X	
Sustainable Management Criteria	X	X	
Water Budget	X		
Sampling and Analysis Plan	X		
Projects and Management Areas	X		

Today's Topics...

- Well-specific sustainable management criteria (SMCs)

- Measureable objective values
- Minimum threshold values



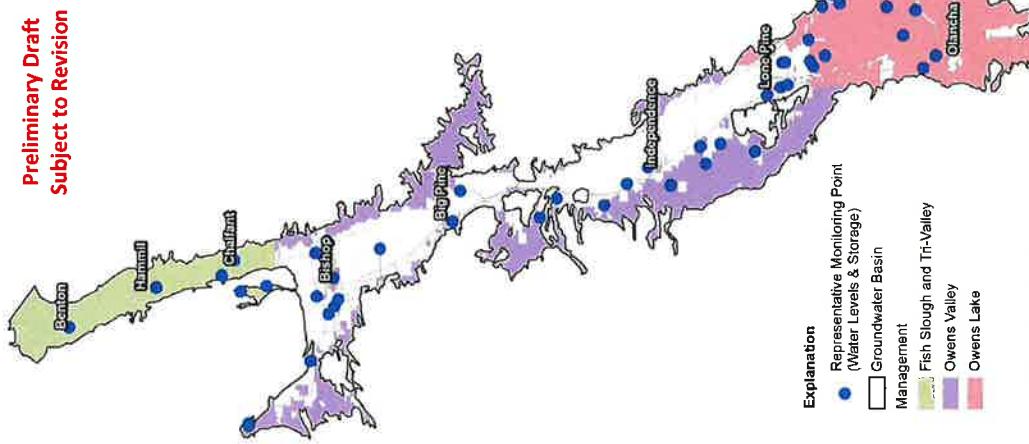


Sustainable Management Criteria



Management Area	Undesirable Results (Water Levels & Storage)	Minimum Threshold	Measureable Objective
Fish Slough and Tri-Valley	<p>Increased pumping costs, drying out of shallow domestic wells, loss of existing monitoring wells, impairment of groundwater discharge to Fish Slough</p> <p>Decreased ability to maintain status quo pumping during extended drought periods</p>	<p>Water levels from domestic well vulnerability assessment (in progress)</p>	<p>Jan 1st, 2015 water levels</p>
Owens Valley	<p>Increased pumping costs, drying out of shallow domestic wells, loss of existing monitoring wells, depletion of surface water</p> <p>Decreased ability to maintain status quo pumping during extended drought periods</p>	<p>Lowest GW elevation during 2012-2016 drought OR lowest GW elevation available since 2000</p>	<p>Average GW elevation from WY 2001-2010 OR Average GW elevation for most recent 10 years</p>
Owens Lake	<p>Increased pumping costs, drying out of shallow domestic wells, loss of existing monitoring wells</p> <p>Decreased ability to maintain status quo pumping during extended drought periods</p>	<p>GW elevation equal to some acceptable value between the long-term static water level and the top of the well screen for "Most Sensitive Wells" identified in H3MP OR Lowest GW elevation during 2012-2016 drought OR lowest GW elevation available since 2000</p>	<p>Average GW elevation from WY 2001-2010 OR Average GW elevation for most recent 10 years</p>

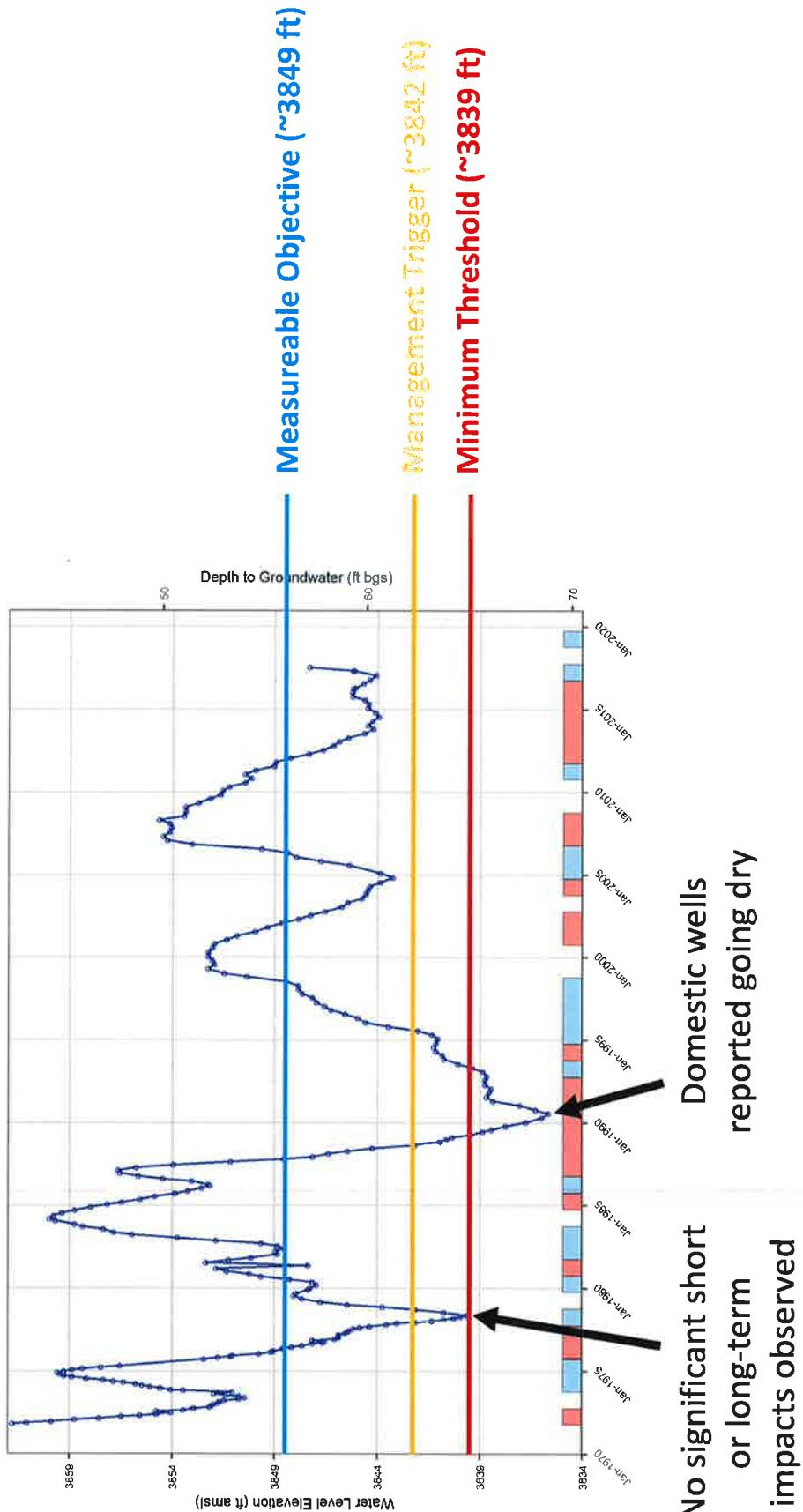
Proposed Representative Monitoring Wells



Tri-Valley and Fish-Slough	7
Owens Valley	24
Owens Lake	33
Total	64

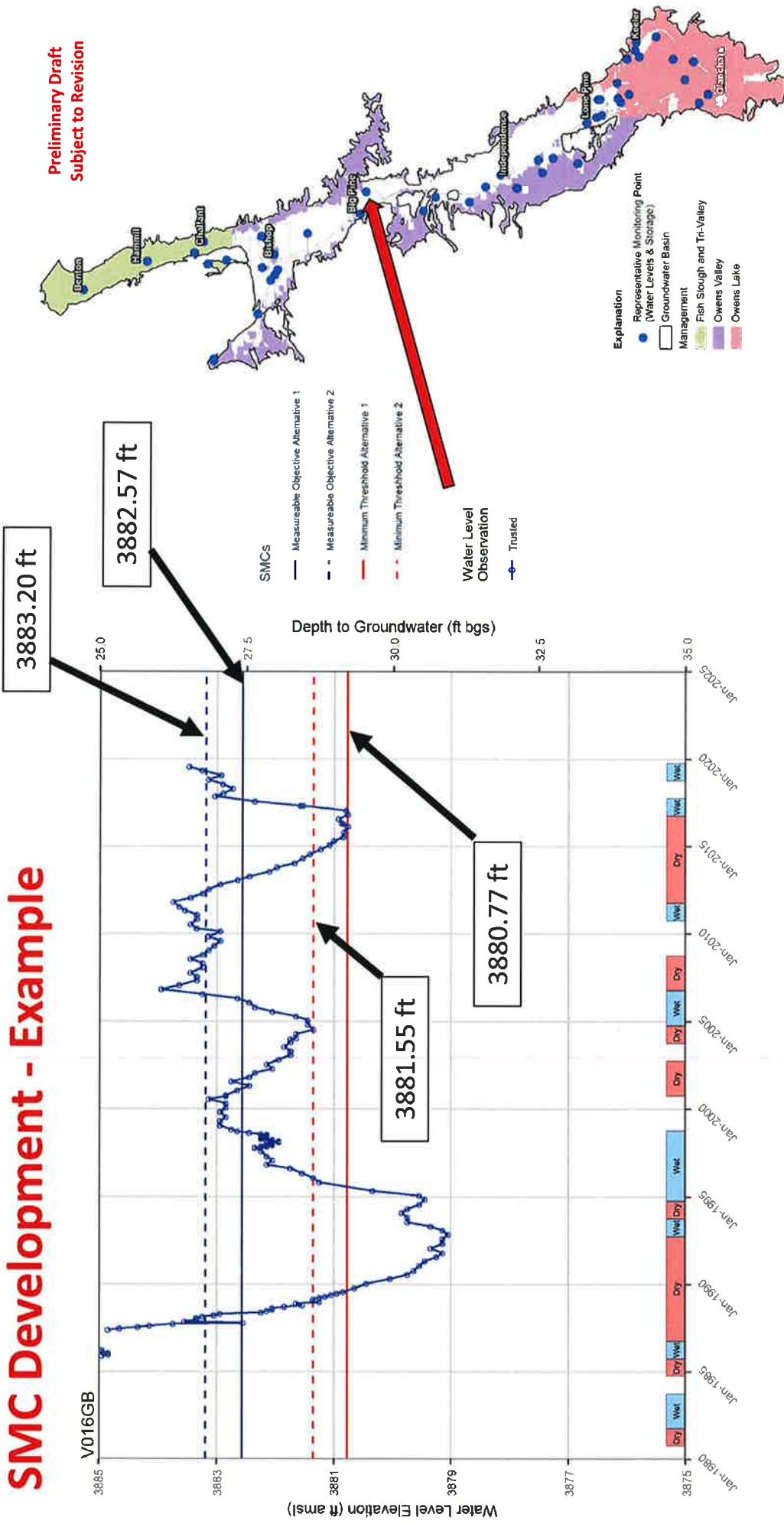
Note: Not all wells displayed on figure as coordinates need to be added to OVGA database.

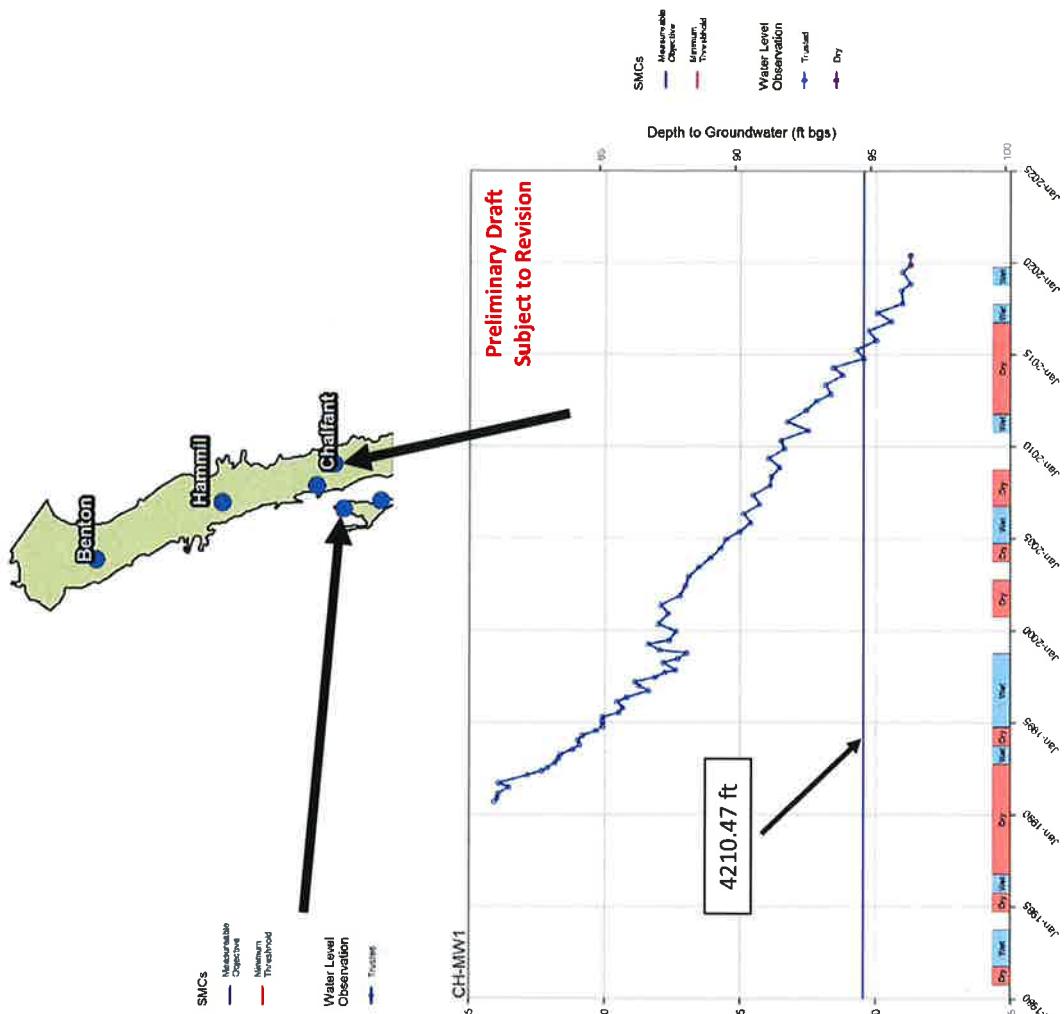
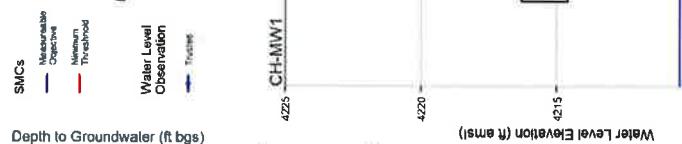
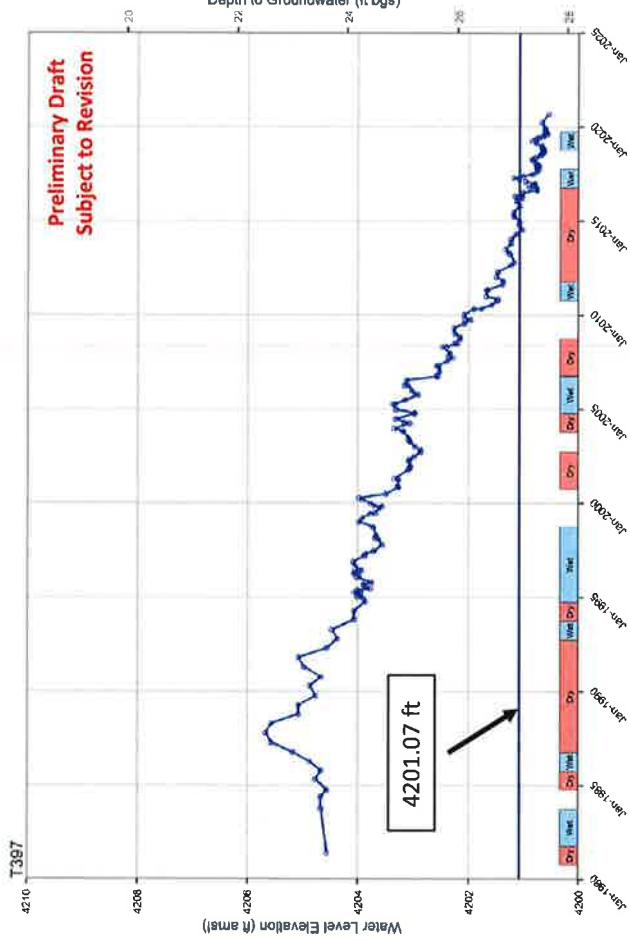
SMC Development - Hypothetical Example



SMC Development - Example

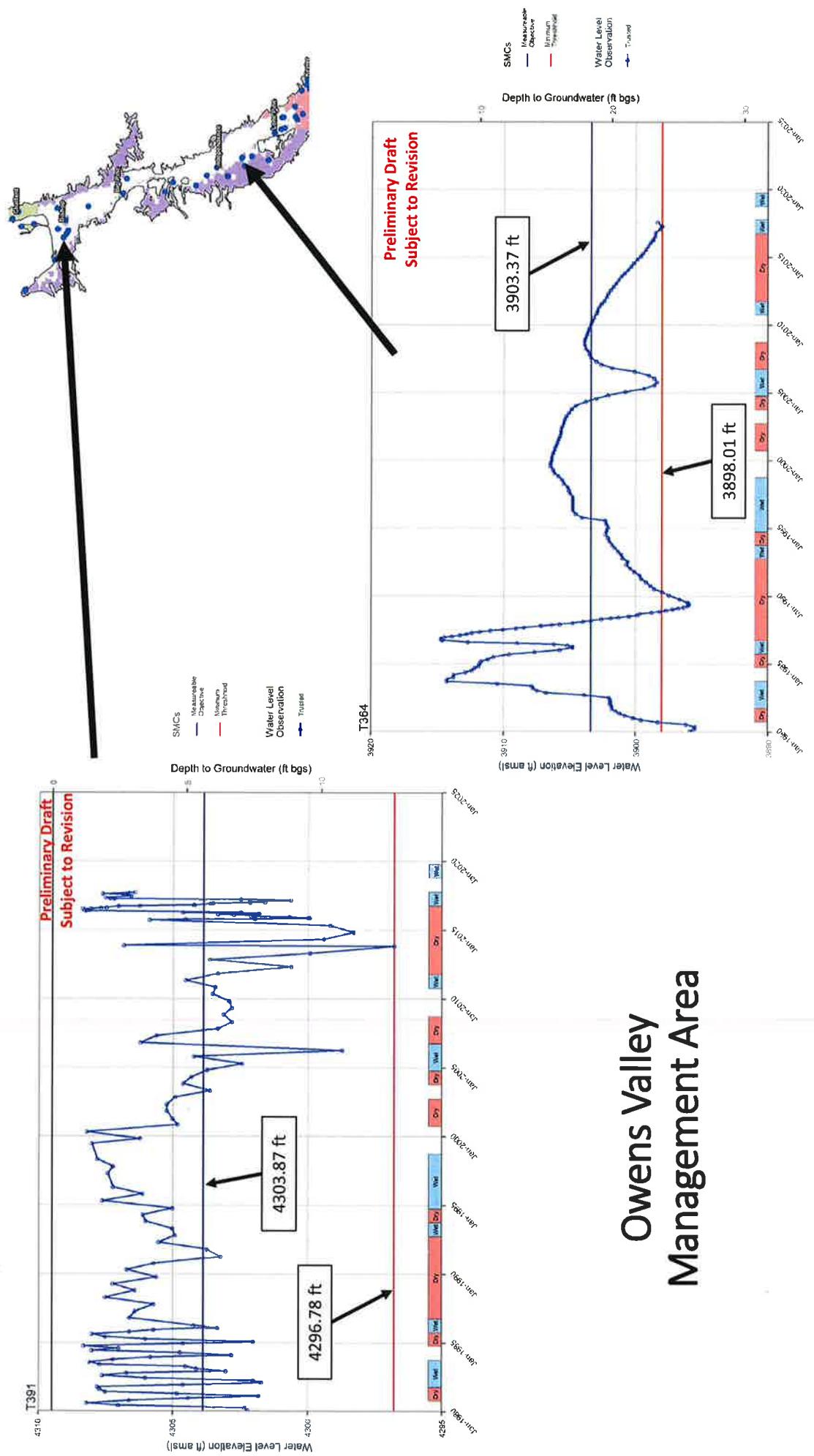
Preliminary Draft
Subject to Revision



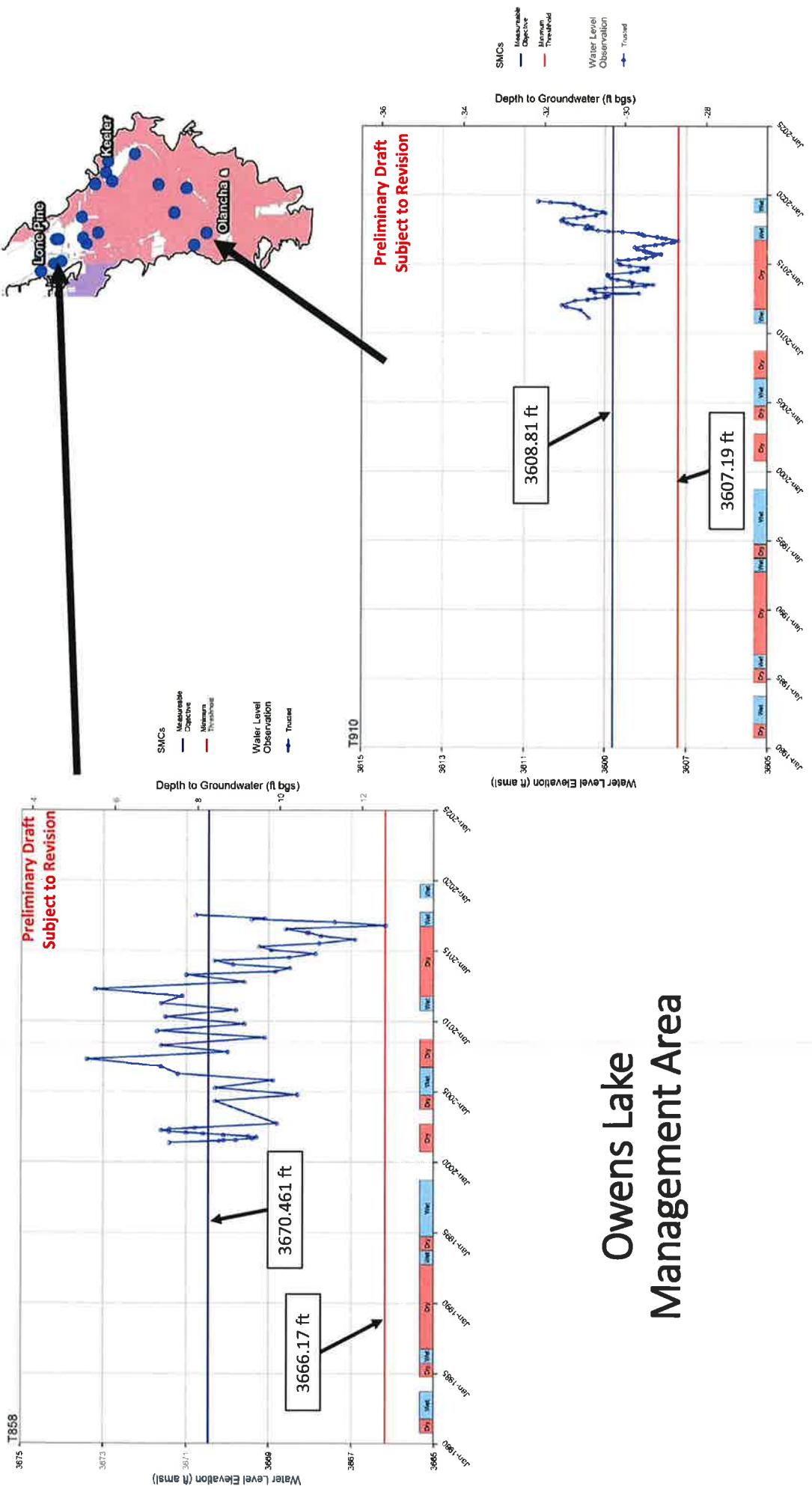


Fish Slough and Tri-Valley Management Area

Owens Valley Management Area

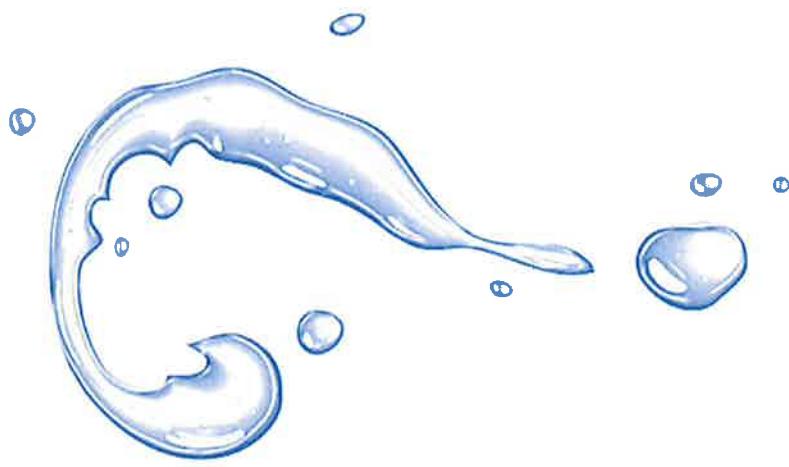


Owens Lake Management Area



D B S & A

Daniel B. Stephens & Associates, Inc.



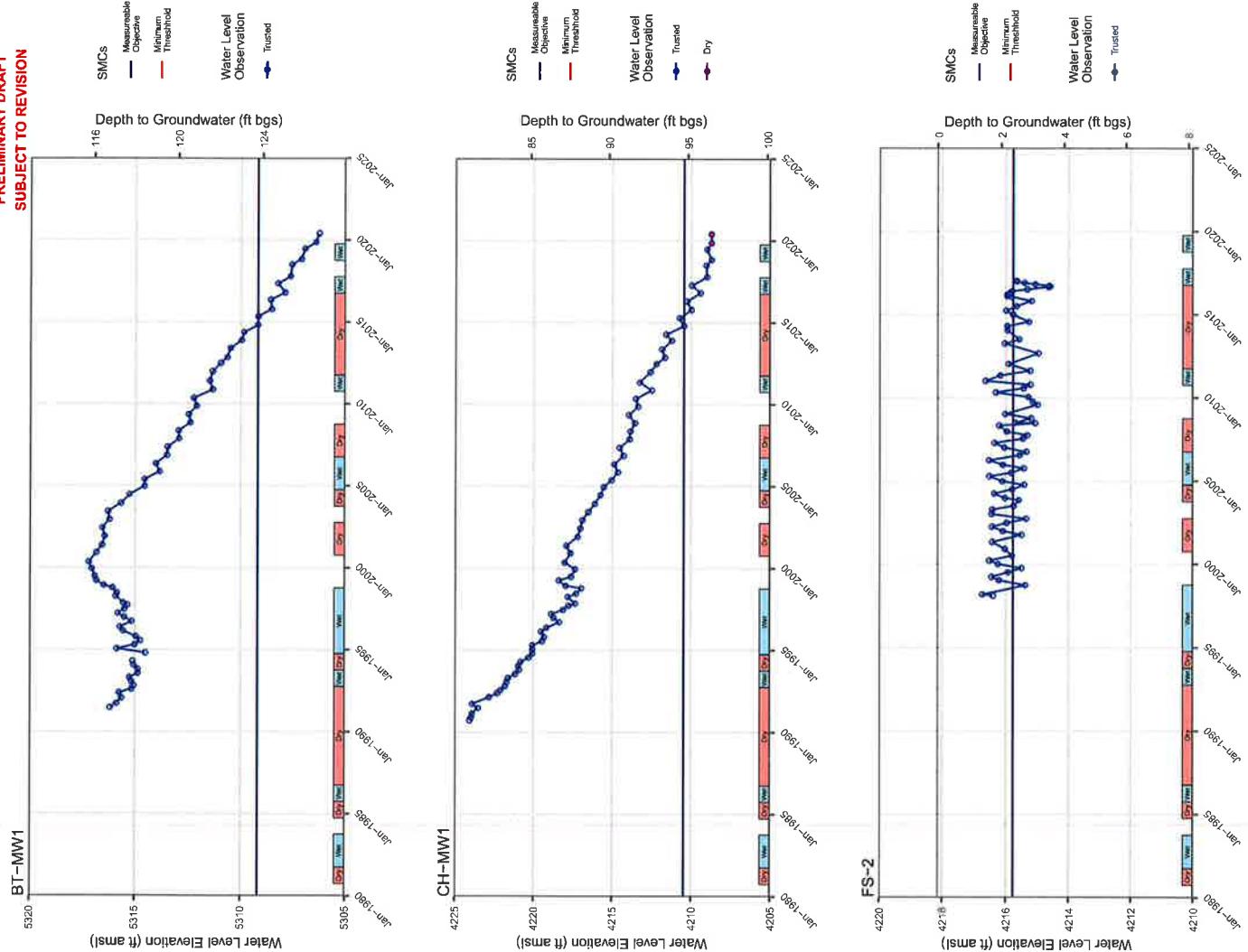
List of proposed monitoring points and sustainable management criteria values for water levels and groundwater storage.

Management Area	Monitoring Point	Proposed Minimum Threshold (ft amsl)	Proposed Measurable Objective (ft amsl)	Notes
Fish Slough and Tri-Valley	81-MW1	"	5309.19	"
Fish Slough and Tri-Valley	CH-MW1	"	4210.47	"
Fish Slough and Tri-Valley	FS-2	"	4215.77	1
Fish Slough and Tri-Valley	FS-3D	"	"	1.2
Fish Slough and Tri-Valley	Hammill 2	"	"	"
Fish Slough and Tri-Valley	T397	"	"	1.2
Fish Slough and Tri-Valley	V283	"	4201.07	1
Owens Valley	WC/CSD 4	4249.20	4213.85	1
Owens Valley	T001	3867.40	4254.62	"
Owens Valley	T362	4047.66	3880.27	"
Owens Valley	T364	3898.01	3903.37	"
Owens Valley	T384	4165.50	4168.56	"
Owens Valley	T389	4216.92	4224.96	"
Owens Valley	T391	4256.78	4303.87	"
Owens Valley	T480	3894.06	3995.57	"
Owens Valley	T513	4113.89	4117.85	"
Owens Valley	T514	4067.08	4071.86	"
Owens Valley	T750	4357.43	4360.55	"
Owens Valley	T751	4373.62	4379.28	"
Owens Valley	T808	3854.36	3846.57	"
Owens Valley	T809	3823.73	3829.32	"
Owens Valley	T869	3983.73	3985.16	"
Owens Valley	T871	3850.30	3862.49	"
Owens Valley	T872	3946.60	3955.38	"
Owens Valley	T873	4954.50	4963.20	"
Owens Valley	W016GB	3860.77	3862.57	"
Owens Valley	V151	3827.41	3834.05	"
Owens Valley	V151	3827.41	3834.05	"
Owens Valley	V299	2901.50	3914.43	"
Owens Valley	WCCSD 2	6020.00	6023.88	"
Owens Valley	WCCSD 4	6263.40	6274.95	"
Owens Lake	DETA(W3)10	3562.71	3563.87	"
Owens Lake	DWF North MW	3643.77	3645.97	"
Owens Lake	DWF South Lower	3640.44	3643.74	"
Owens Lake	DWF South Middle	3639.85	3643.95	"
Owens Lake	DWF South Upper	3636.86	3641.13	"
Owens Lake	Fault Test 13	3620.91	3623.87	"
Owens Lake	Fault Test 15	3617.66	3623.33	"
Owens Lake	I10(7).4	3568.08	3570.35	"
Owens Lake	KCSD	3612.46	3613.15	"
Owens Lake	Kleiner-Swansea Lower	3618.34	3618.91	"
Owens Lake	O6(S).4	3567.80	3569.02	"
Owens Lake	O192-2	3605.39	3607.32	"
Owens Lake	Rio Tinto	"	"	2
Owens Lake	River Site Lower	3594.84	3633.38	"
Owens Lake	\$FIP MW	3597.50	3613.76	"
Owens Lake	T348	3630.30	3633.63	"
Owens Lake	T388	3685.88	3693.33	"
Owens Lake	T858	3666.17	3670.46	"
Owens Lake	T960	3708.16	3711.32	"
Owens Lake	T860	3617.26	3618.17	"
Owens Lake	T899	3607.93	3610.50	"
Owens Lake	T901	3631.57	3632.03	"
Owens Lake	T902	3626.77	3629.17	"
Owens Lake	T904	3625.01	3627.43	"
Owens Lake	T908	3607.19	3608.61	"
Owens Lake	T910	3704.32	3704.99	"
Owens Lake	T916	3704.58	3705.40	"
Owens Lake	T917	"	"	2
Owens Lake	T920	"	"	"
Owens Lake	T922	"	"	"
Owens Lake	T924	"	"	"
Owens Lake	T925	"	"	"
Owens Lake	T929	"	"	2

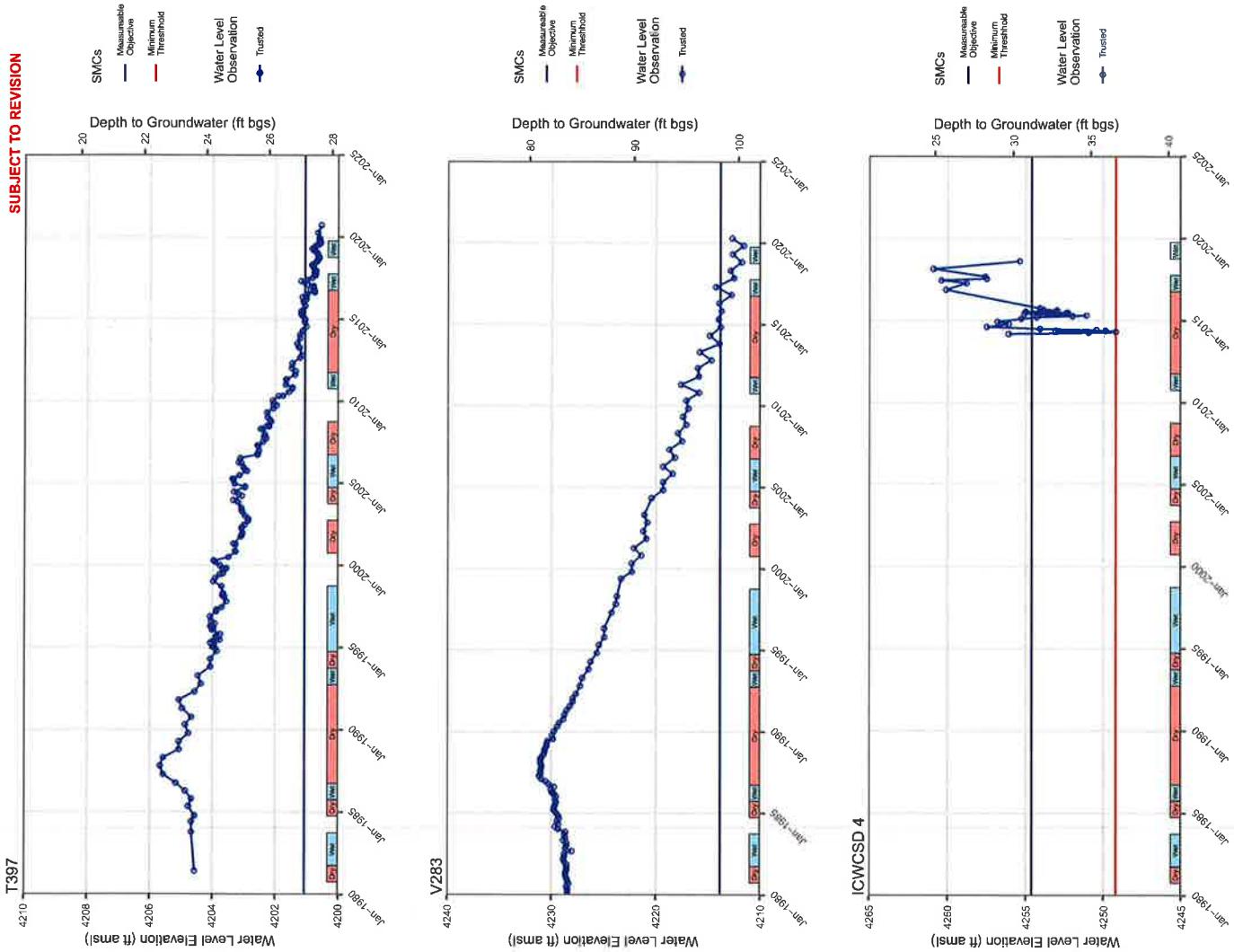
Notes:

1. Proposed minimum threshold pending results of domestic well vulnerability analysis.
2. Data not currently in OVGA database or period of record not long enough to establish meaningful criteria.

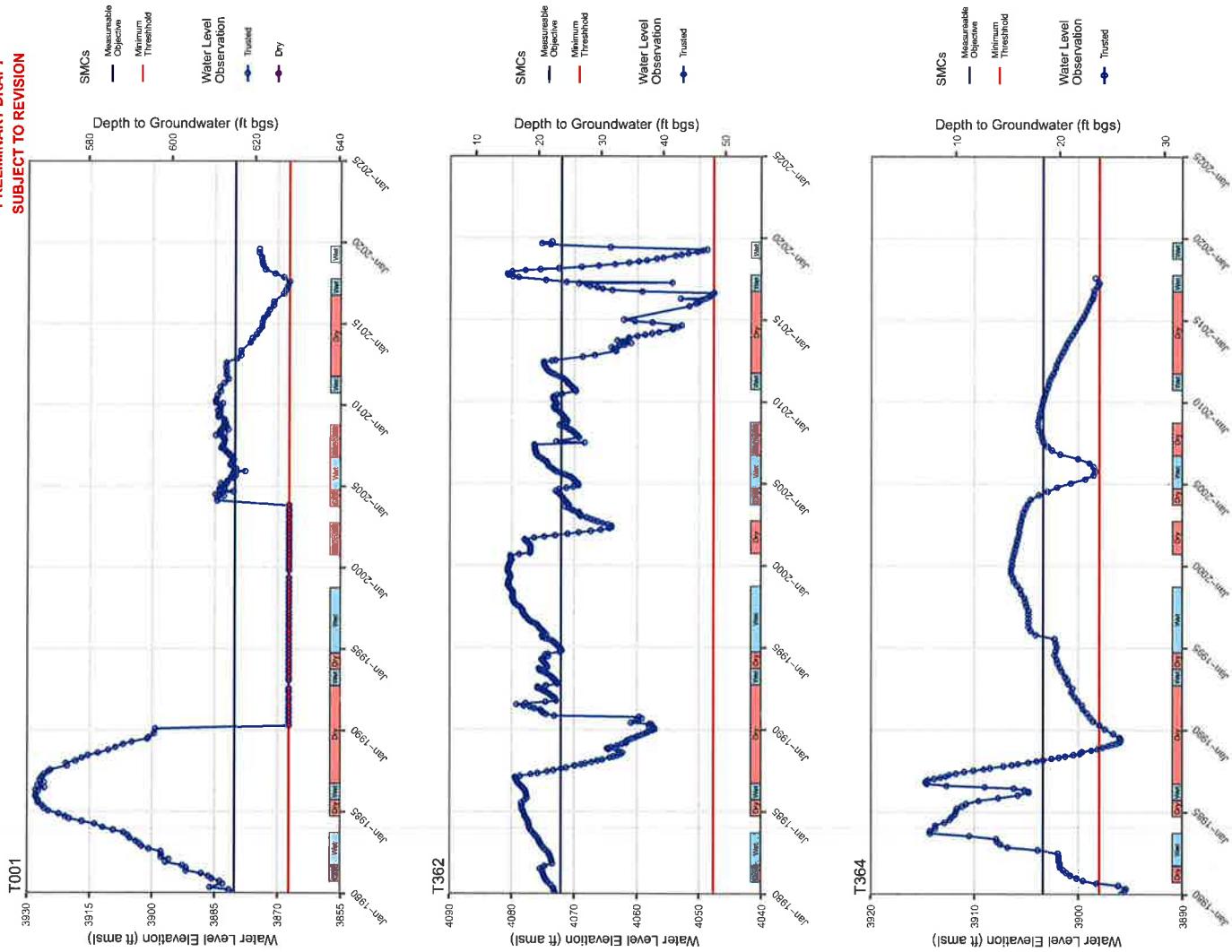
PRELIMINARY DRAFT
SUBJECT TO REVISION

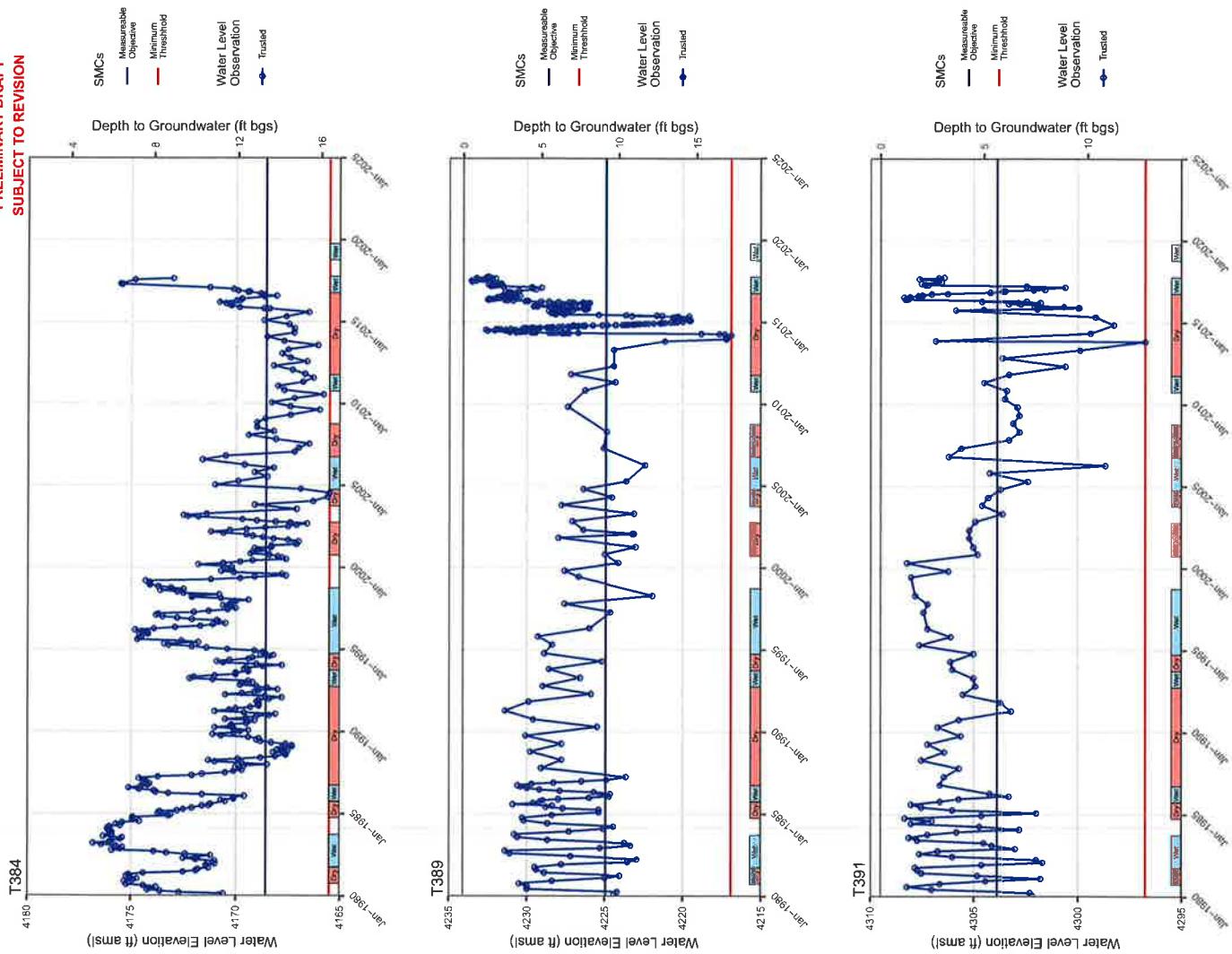


PRELIMINARY DRAFT
SUBJECT TO REVISION

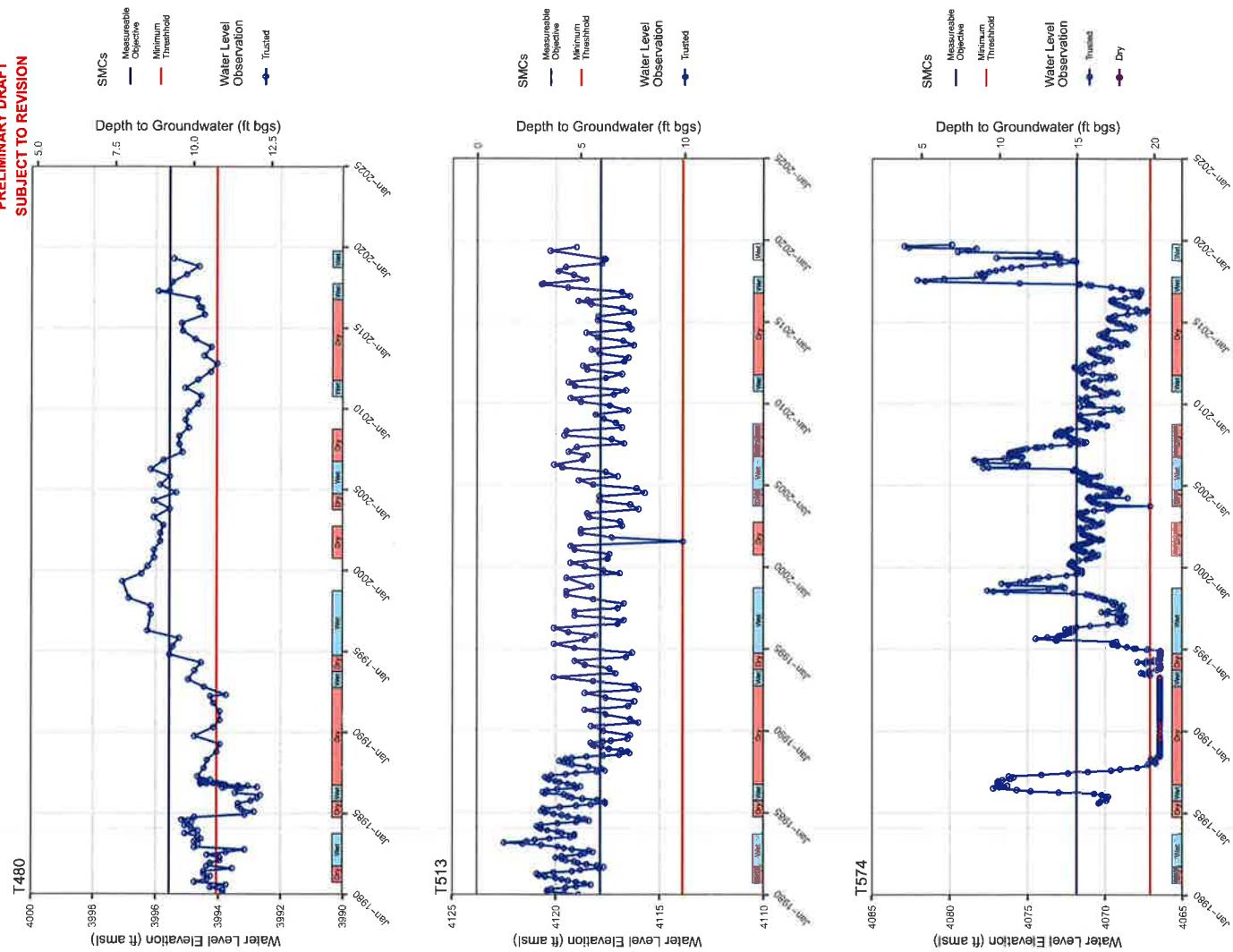


PRELIMINARY DRAFT
SUBJECT TO REVISION

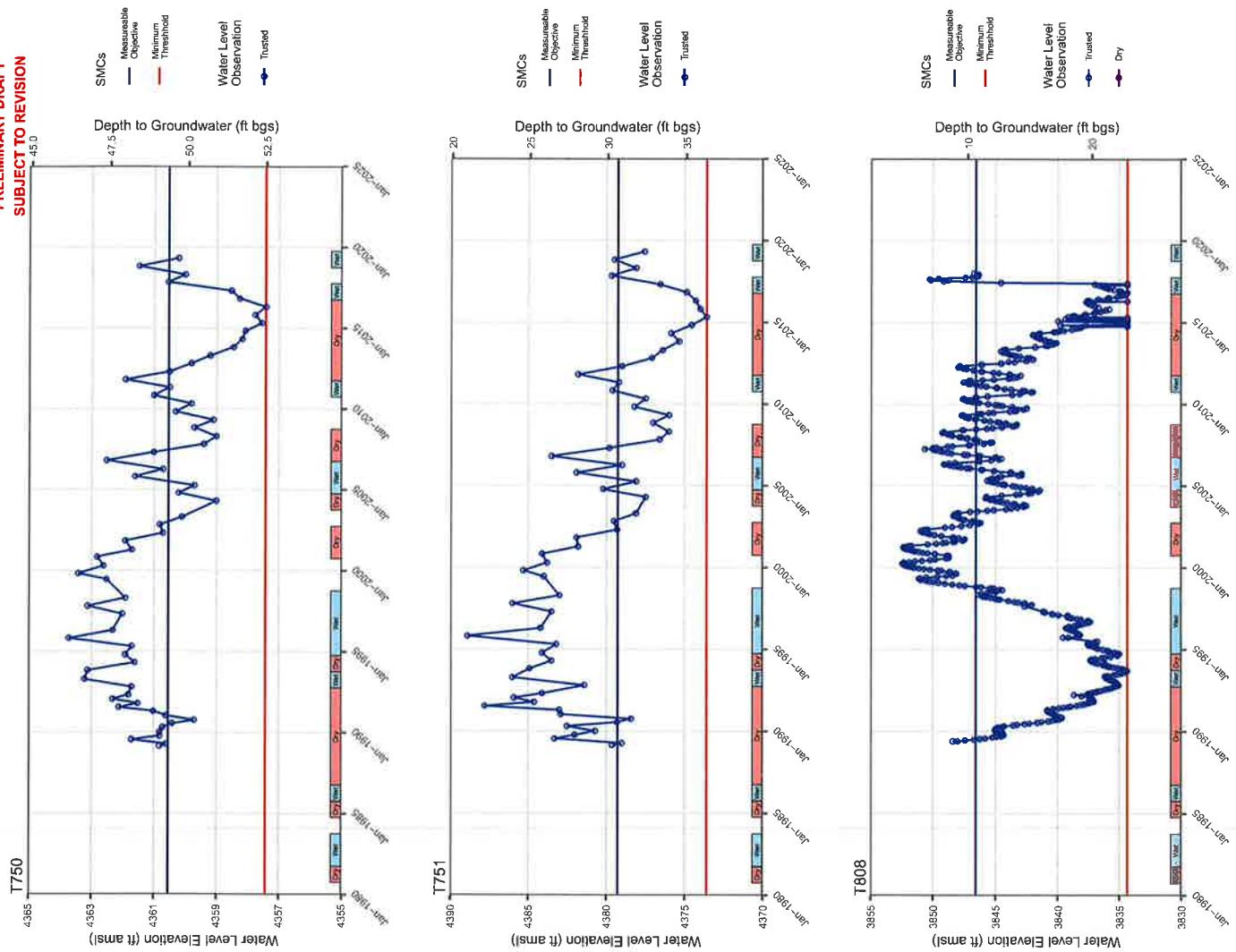




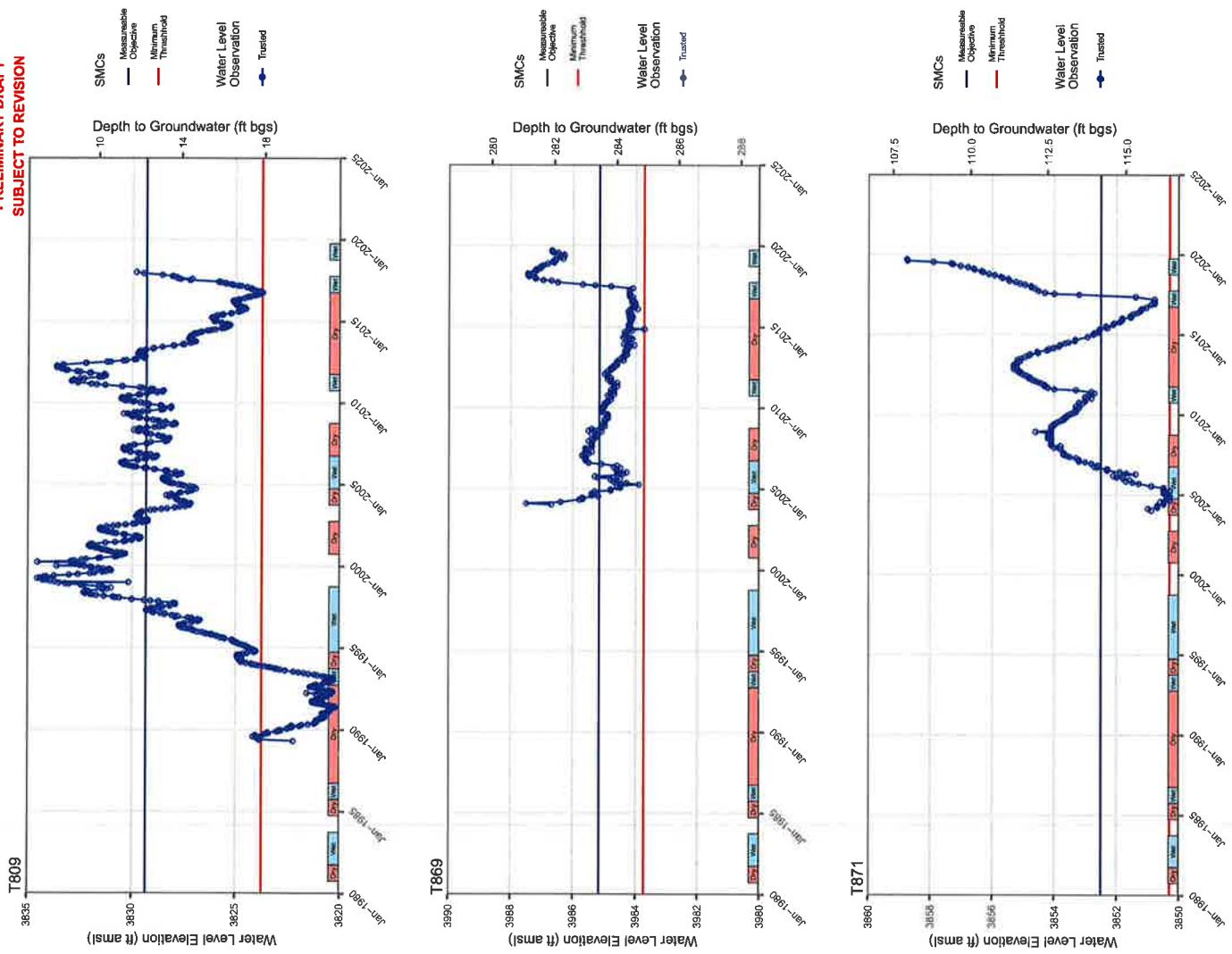
PRELIMINARY DRAFT
SUBJECT TO REVISION



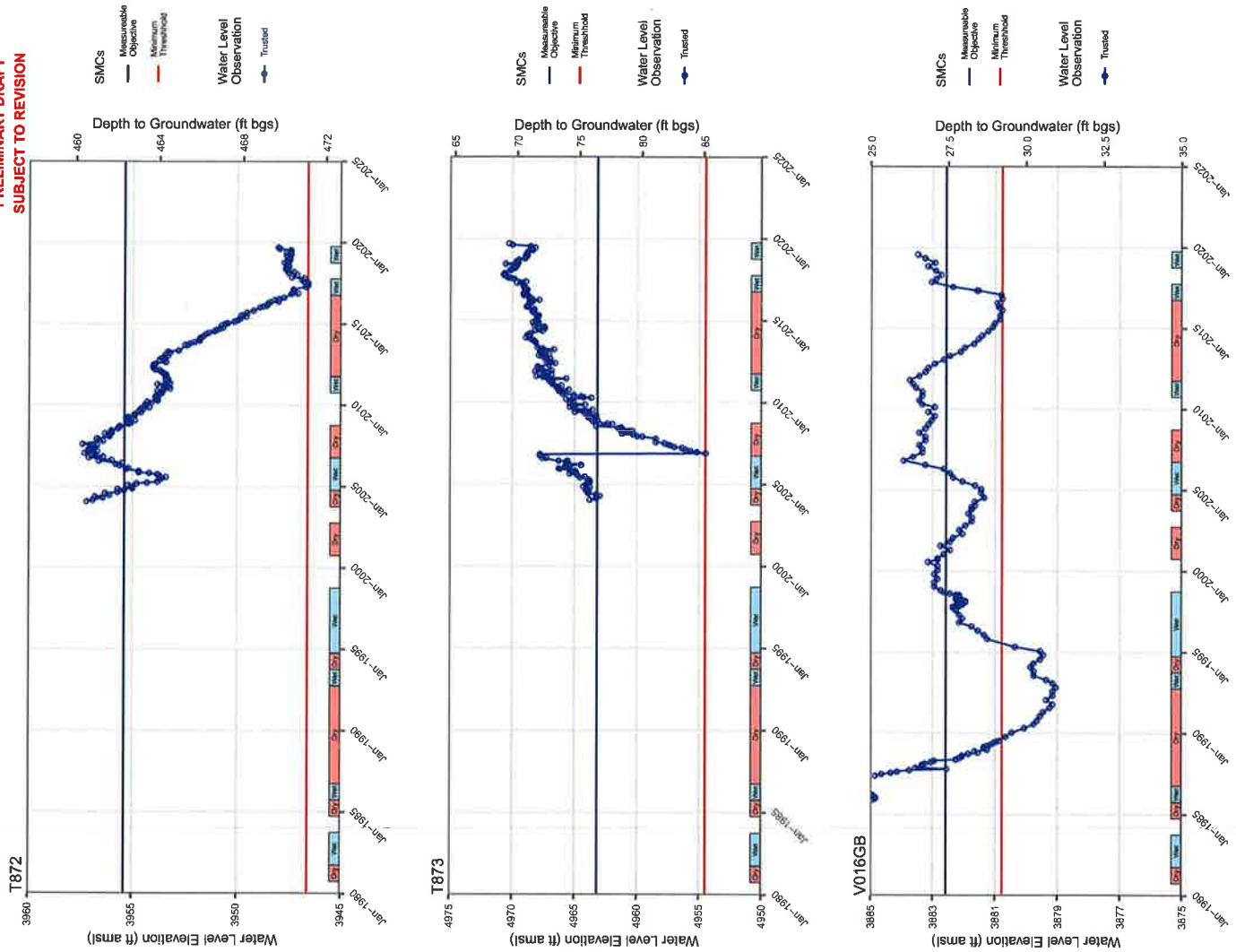
**PRELIMINARY DRAFT
SUBJECT TO REVISION**



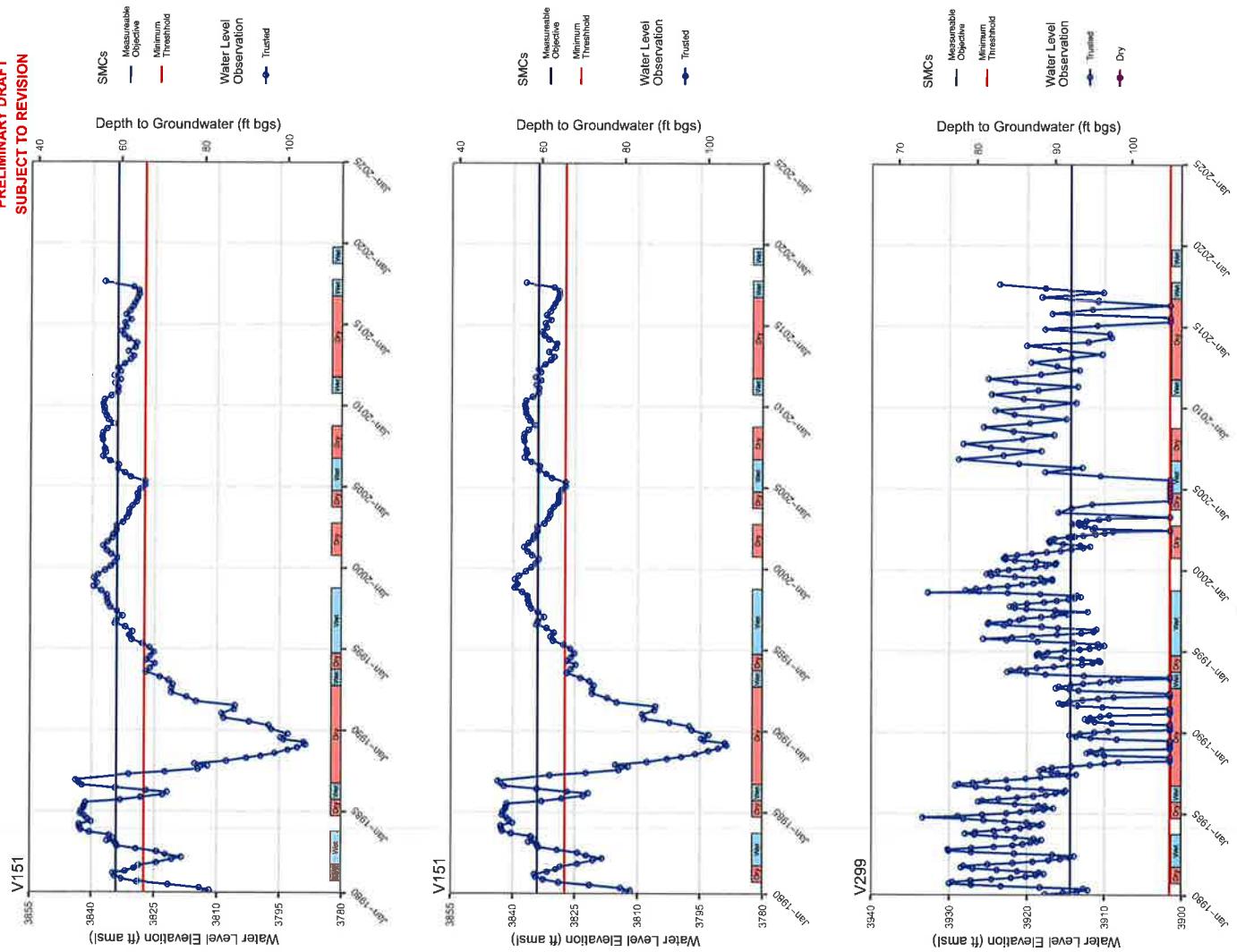
PRELIMINARY DRAFT
SUBJECT TO REVISION



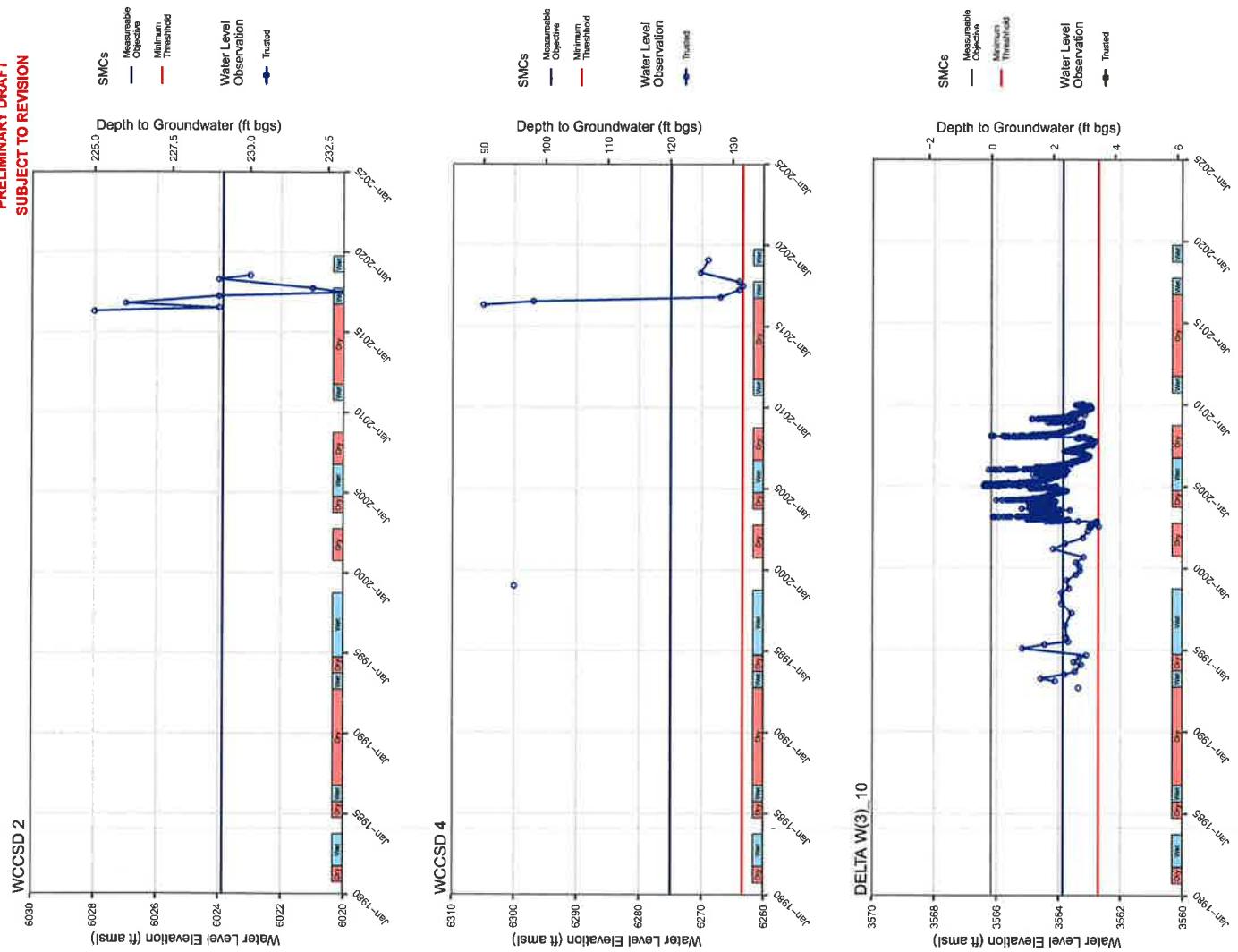
**PRELIMINARY DRAFT
SUBJECT TO REVISION**



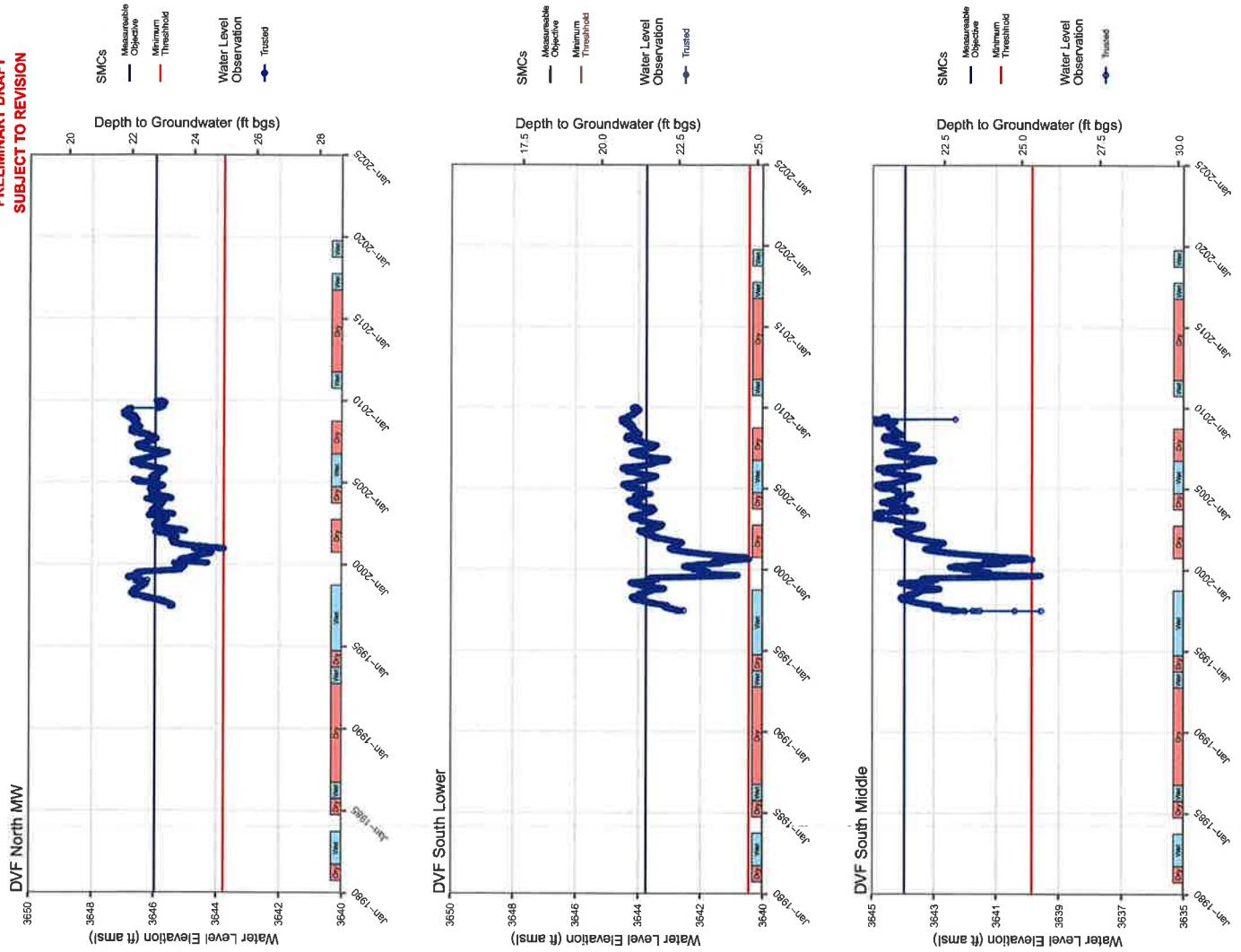
PRELIMINARY DRAFT
SUBJECT TO REVISION



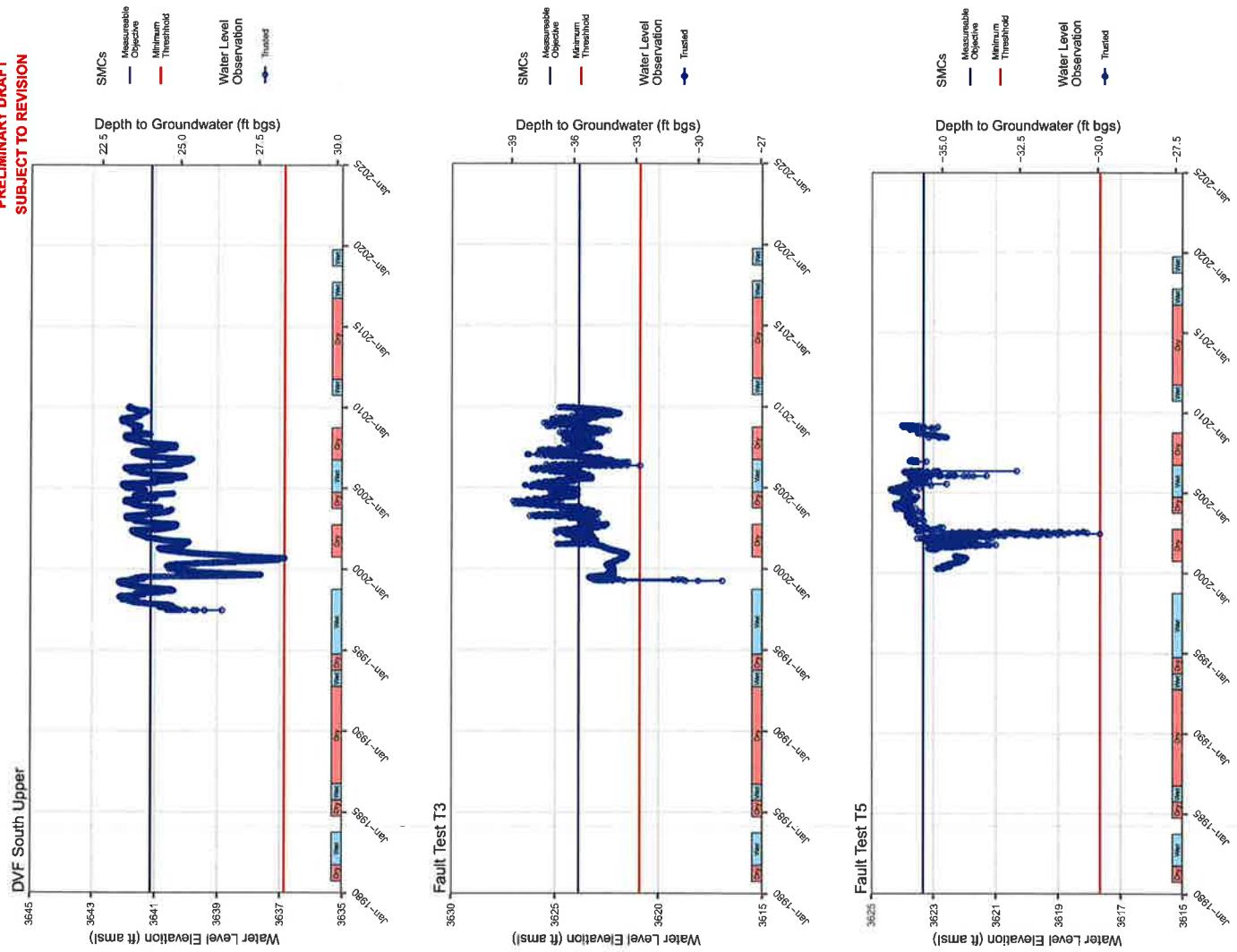
**PRELIMINARY DRAFT
SUBJECT TO REVISION**



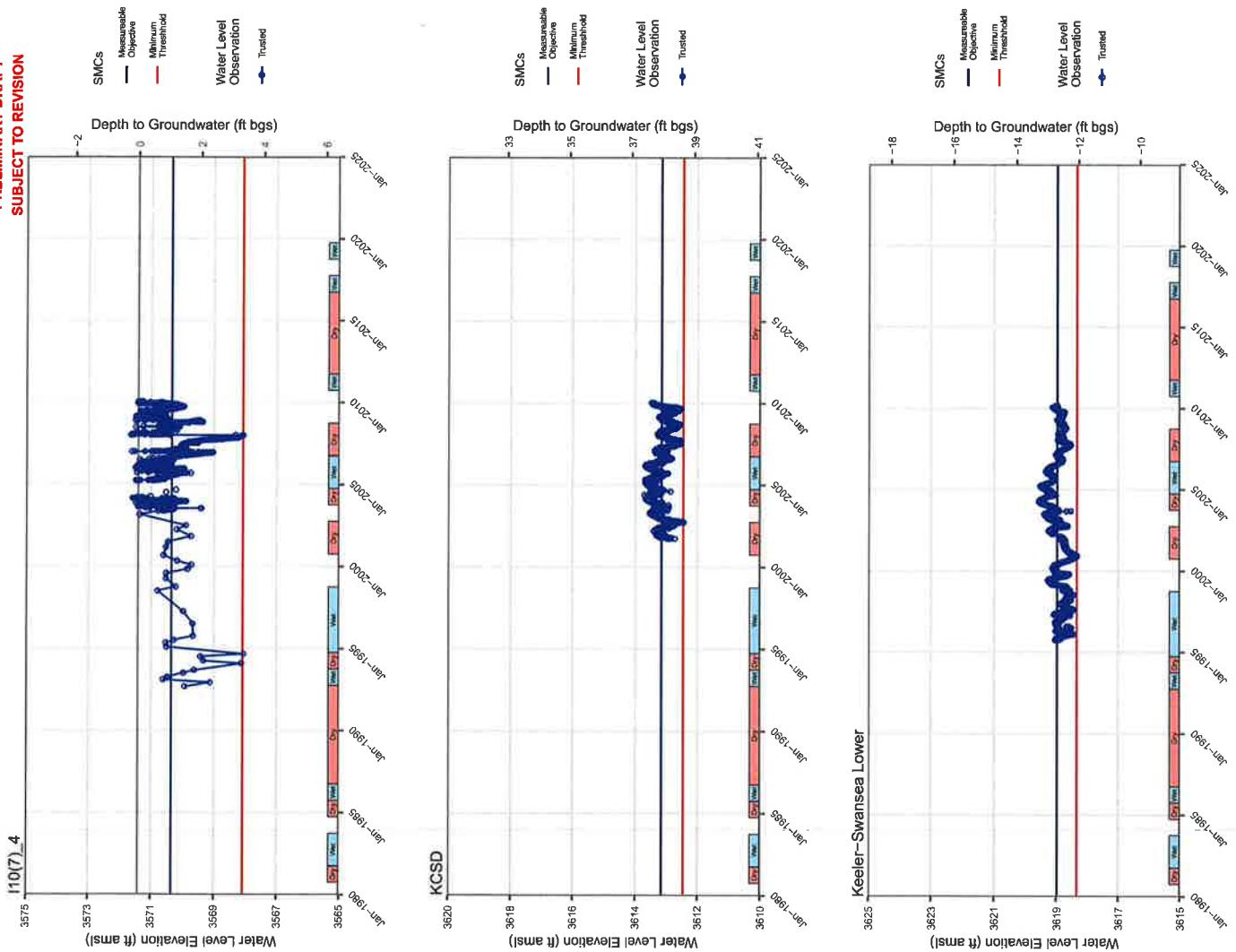
PRELIMINARY DRAFT
SUBJECT TO REVISION

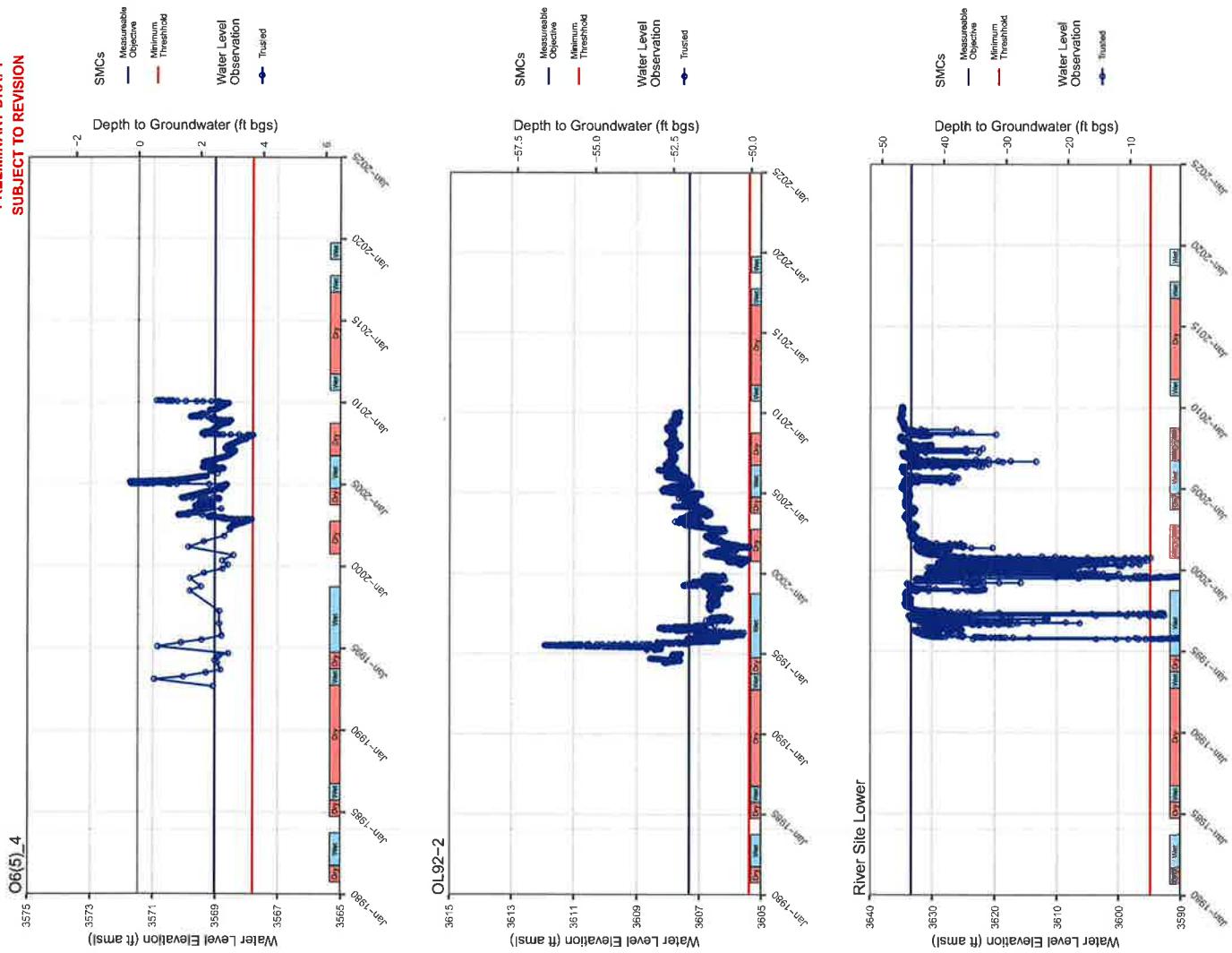


PRELIMINARY DRAFT
SUBJECT TO REVISION

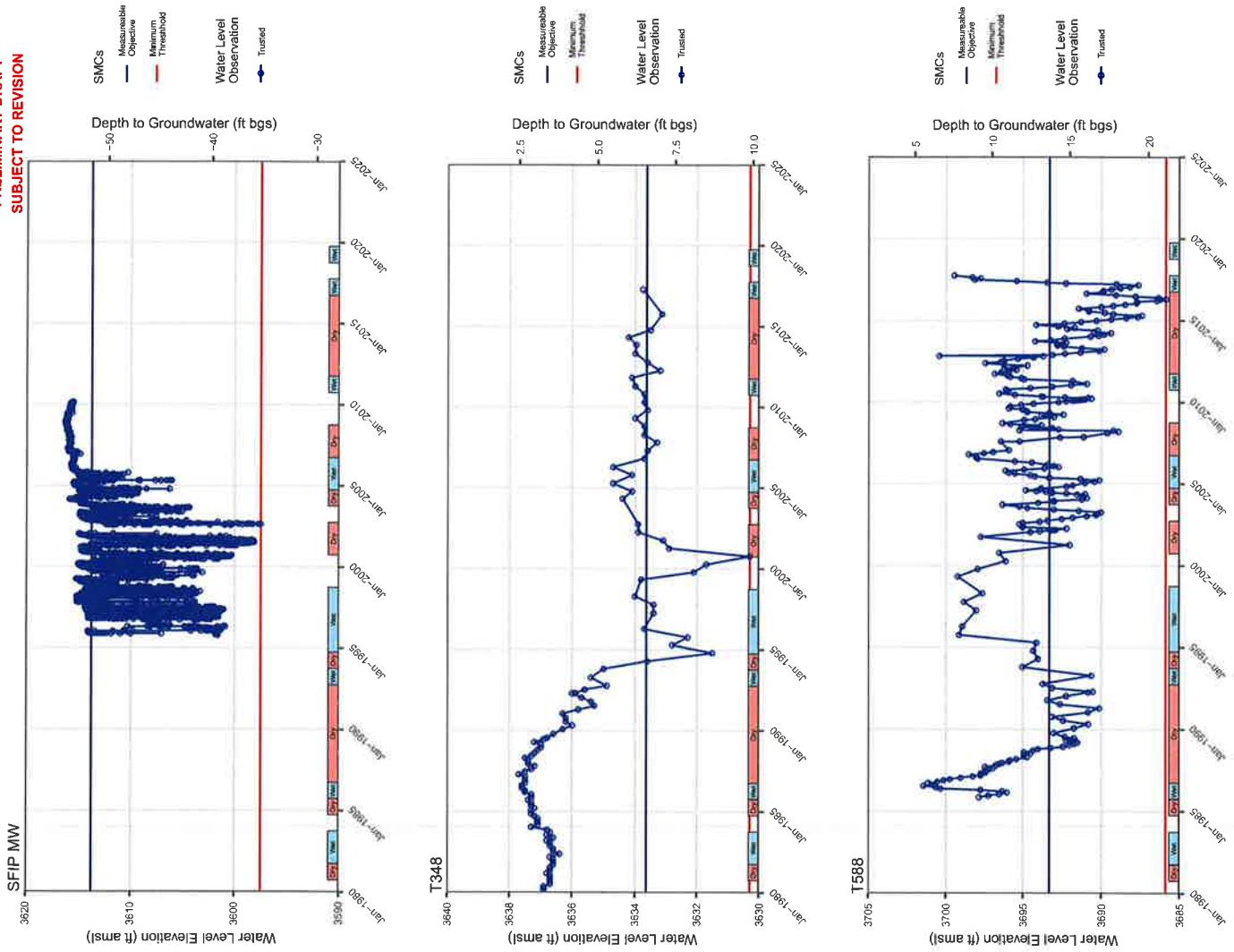


PRELIMINARY DRAFT
SUBJECT TO REVISION

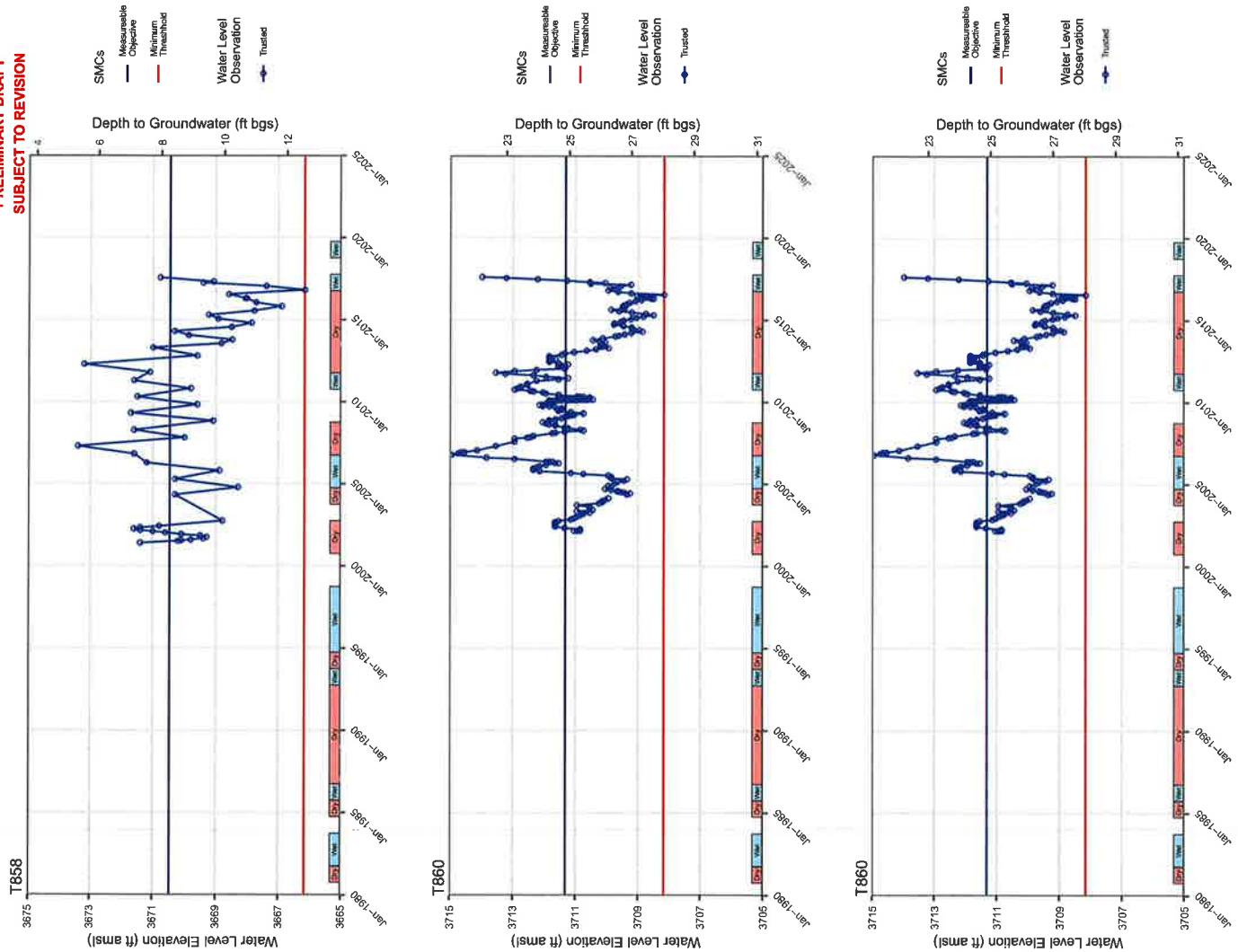




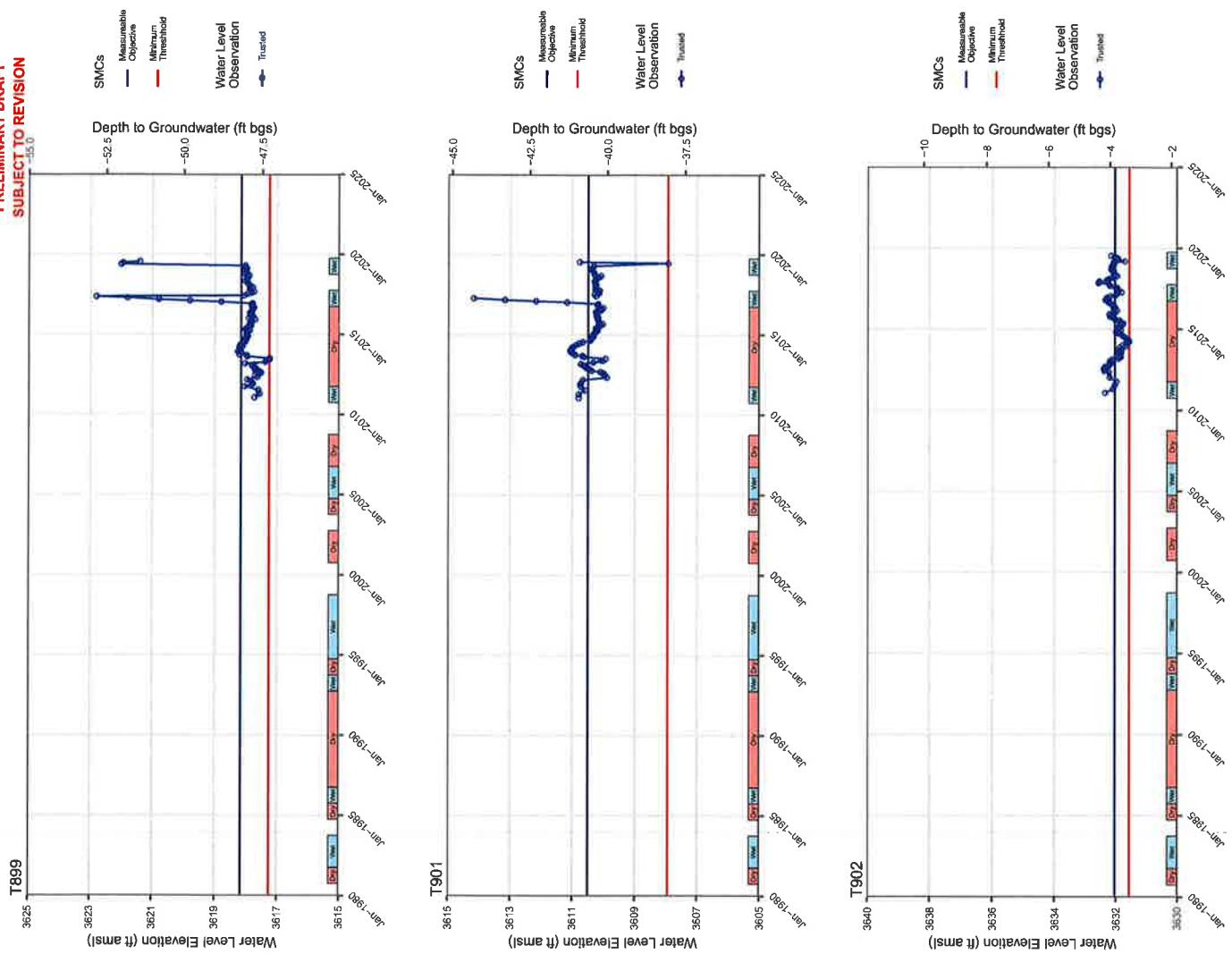
PRELIMINARY DRAFT
SUBJECT TO REVISION



PRELIMINARY DRAFT
SUBJECT TO REVISION



PRELIMINARY DRAFT
SUBJECT TO REVISION



**PRELIMINARY DRAFT
SUBJECT TO REVISION**

