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MEMORANDUM

DATE: November 17, 2025

TO: Vina Groundwater Sustainability Agency (GSA) and Rock Creek Reclamation District GSA

FROM: Christina Buck, Asst. Director and Kelly Peterson, Water Resource Scientist

RE: Evaluation of Groundwater Level Monitoring Network for Selection of Representative Monitoring Sites

Purpose

This memo provides background and technical analysis conducted by the Butte County Department of Water & Resource Conservation ("Department") to support the Vina and Rock Creek Reclamation District (RCRD) GSAs in preparing for the 2027 Periodic Evaluation of the 2022 Vina Groundwater Sustainability Plan (2022 GSP). The Department's analysis evaluates the existing groundwater level monitoring network, with a focus on identifying wells that may be suitable for inclusion as Representative Monitoring Sites to support the work of the Periodic Evaluation.

Background

The Department has a long-standing role in groundwater monitoring and data reporting. In addition, Department staff contributed to the development of the 2022 GSP and since 2022 has managed SGMA annual reporting for all three subbasins in Butte County. Department staff conducts spring, summer, and fall groundwater level measurements throughout the County in partnership with staff from the Department of Water Resources, Northern Region Office.

Through a subrecipient agreement with the Vina GSA, the Department is providing technical assistance for the Data Gaps Identification and Data Improvement Project (Component 2) of the GSAs' grant funded work. This component also includes completion of the Periodic Evaluation and potential GSP Amendments.

RMS Wells in the SGMA Framework

Representative Monitoring Sites (RMS) are the specific wells assigned Minimum Thresholds (MTs), Measurable Objectives (MOs), and Interim Milestones (IMs). There are six sustainability indicators defined by SGMA, including Groundwater Levels (GWL) and Interconnected Surface Water (ISW) and each has an RMS network. Selected wells make up the RMS network designated for each sustainability indicator. The focus of this evaluation is on monitoring wells for the GWL RMS network. The 2022 GSP identified 17 RMS wells across the Vina North, Vina Chico, and Vina South Management Areas for the GWL RMS network.

Since adoption of the GSP, three of the RMS wells have been identified as regularly having questionable measurements or missing data (23N01W10E001M, 20N02E09L001M, 21N01E21C001M) and one of the wells is located just outside of the southern subbasin boundary (20N01E10C002M). Removing these wells from the GWL RMS network would lead to the need to supplement the network with additional wells to fill the gaps. Since there is a robust available network of groundwater level monitoring wells with historical data within the subbasin, the Department has worked with the GSAs' technical consultant, Larry Walker Associates (LWA) to identify existing monitoring wells for possible inclusion in a revised GWL RMS network. This memo provides technical information for the GSAs' consideration and to support the ongoing work of LWA, who will ultimately bring an updated RMS network to the GSA Boards for their consideration.

General Considerations

Advantages of Including More RMS Wells

Increasing the number of RMS wells in the GWL RMS network, when justified, provides a couple advantages:

1. Better Representation of Beneficial Users: Improves the ability to reflect shallow domestic well conditions and localized trends.

2. Improved Spatial Distribution: Reduces reliance on a small number of wells and provides information on conditions across the subbasin

3. Increased Confidence in Trend Analysis: More RMS wells reduce the impact of anomalies and / or data gaps caused by questionable measurements and strengthen basin-wide assessments.

This approach has been used successfully in the Butte Subbasin, where some wells serve both GWL and ISW monitoring functions. As such, some GWL RMS monitoring wells may also be part of the ISW RMS network with different sustainable management criteria (SMC) for each. Other subbasins, including Butte, have used dual-purpose wells.

Boundary-Adjacent Wells

Several monitoring wells are located near the boundaries with the Los Molinos, Corning or Butte Subbasins. These wells can be useful for tracking boundary conditions but may also be influenced by actions outside the GSA's boundaries. For this reason, they are listed below for special consideration. Staff recommends the GSA technical team work with neighboring subbasins to identify additional wells on the other side of the boundary for inclusion in a subbasin boundary network for tracking purposes. This could be addressed through ongoing Inter-basin Coordination efforts.

23N01W03H002-4M
23N02W25C001M
23N01W31M001-4M
22N01W05M001M
20N01E10C002M
20N02E06Q001M
20N02E24C001-3M
20N03E31M001M
20N03E33L001M

Department Analysis

The Department conducted a systematic evaluation of the groundwater level monitoring network to determine which wells may be suitable for RMS designation. The analysis involved the following information and approach:

Evaluation Criteria: Each well was reviewed based on access reliability in the field, measurement history and quality of data (i.e. considering frequency of missing data in hydrographs and/or presence of numerous questionable measurements), well construction information, alignment with local domestic well depths, density of domestic wells in the area, and geographic distribution.

Domestic Well Context: Domestic well statistics were obtained from the California Open Data Portal (i07 WellReportStatsBySection). This was utilized to assess the monitoring well's alignment with depths of domestic wells within its vicinity to evaluate how representative it is of nearby domestic wells. This dataset does not incorporate the refined LWA domestic well inventory but is still useful for understanding general spatial trends in well depth and density.

Spatial Analysis and Mapping: Two maps were prepared showing monitoring wells, average domestic well depths, and subbasin and management area boundaries (see Attachment 1).

Categorization of Wells: Wells were categorized as "Yes" (suitable for RMS), "Consider" (those that could be suitable RMS), or "No" based on construction, data quality, representativeness, access and / or geographic distribution needs.

Results

Described below are high level observations from the results of the evaluation. The attached summary table (Attachment 1) contains the result of the well-by-well evaluation and rational for the RMS categorization.

Vina North: Several additional wells appear to be strong candidates for RMS designation due to multi-completion construction, alignment with domestic well depths, and improved spatial coverage.

Vina Chico: The majority of beneficial users of groundwater for residential use in Chico are served by Cal Water Service. The 2022 GSP includes four Cal Water wells as RMS. In addition, two monitoring wells on the west side of Chico would be suitable as RMS to represent the high density of domestic well users on the outskirts of Chico.

Vina South: Opportunities exist to improve spatial representation and include wells better aligned with domestic well conditions.

Anticipated Next Steps

LWA will continue evaluating the monitoring networks for both GWL and ISW as part of the 2027 Periodic Evaluation. The GSAs will review and approve any recommended RMS network changes as part of the Periodic Evaluation and any GSP amendments, if necessary. The Department will continue to engage with the technical team to provide input on available data, the monitoring networks, and inter-basin considerations with other Butte County subbasins specifically, and the northern Sacramento Valley region more broadly.

Attachments

1. Summary Table and Maps: Vina Subbasin Groundwater Level Monitoring Network Evaluation Results
2. Detailed Evaluation Results Summary Table with Maps indicating Domestic Well density

Attachment 1

Vina Subbasin Groundwater Level Monitoring Network Evaluation Results

Conducted by Butte County Department of Water and Resource Conservation. November 17, 2025

	Well ID	SWN	Butte County Analysis: RMS?	Butte County Reasoning/Considerations	Well Use
North	05M001	22N01W05M001M**	Yes	Good geographical location. Long period of record. No screen info.	~~Irrigation~~ Observation
	07H001	23N01E07H001M**	Yes	Good align w/ dom. Good geographical location	Residential
	29P002	23N01E29P002M	Yes	Near significant number of dom. and good align. No screen info.	Irrigation
	33A001	23N01E33A001M**	Yes	East side location beneficial. A bit deep with long screen interval.	~~Irrigation~~ Observation
	03H004	23N01W03H004M	Yes	Multi-completion well. Good align w/ dom. Close to boundary	Observation
	09E001	23N01W09E001M	Yes	Good align w/ dom. No screen interval but shallow.	Irrigation
	10M001	23N01W10M001M	Yes	Good align w/ dom.	Observation
	14R002	23N01W14R002M	Yes	Good geographical location. No screen info.	Irrigation
	27L001	23N01W27L001M	Yes	Good align w dom well.	Residential
	28M004	23N01W28M004M	Yes	Multi-completion well. A little deep for dom. 27L001 nearby, good alternative.	Observation
	31M004	23N01W31M004M	Yes	Multi-completion well. Close to boundary.	Observation
	36P001	23N01W36P001M**	Yes	Good align w/ dom well. Good geographical location. No screen info.	Residential
	25C001	23N02W25C001M**	Yes	Good geographical location. A little deep for dom. No screen info.	Irrigation
	03H002	23N01W03H002M	No	Redundant:Shallower zone selected	Observation
	10E001	23N01W10E001M**	No	Missing data	Irrigation
	16E001	23N01W16E001M	No	Lots of missing data. Deep for dom wells. Not mapped	Irrigation
	25G001	23N01W25G001M	No	Lots of Questionable Measurements (oil). Not mapped	Irrigation
	28M002	23N01W28M002M	No	Redundant:Shallower zone selected	Observation
	28M003	23N01W28M003M	No	Redundant:Shallower zone selected	Observation
	28M005	23N01W28M005M	No	Redundant: deeper zone selected	Observation
	31M001	23N01W31M001M	No	Redundant:Shallower zone selected	Observation
	31M002	23N01W31M002M	No	Redundant:Shallower zone selected	Observation
	03H003	23N01W03H003M	Consider	Redundant:Shallower zone selected. Consider for deeper monitoring	Observation
	31M003	23N01W31M003M	Consider	Redundant:Shallower zone selected. Could include this one instead	Observation

** Indicates the well is included in the 2022 GSP GWL RMS Network

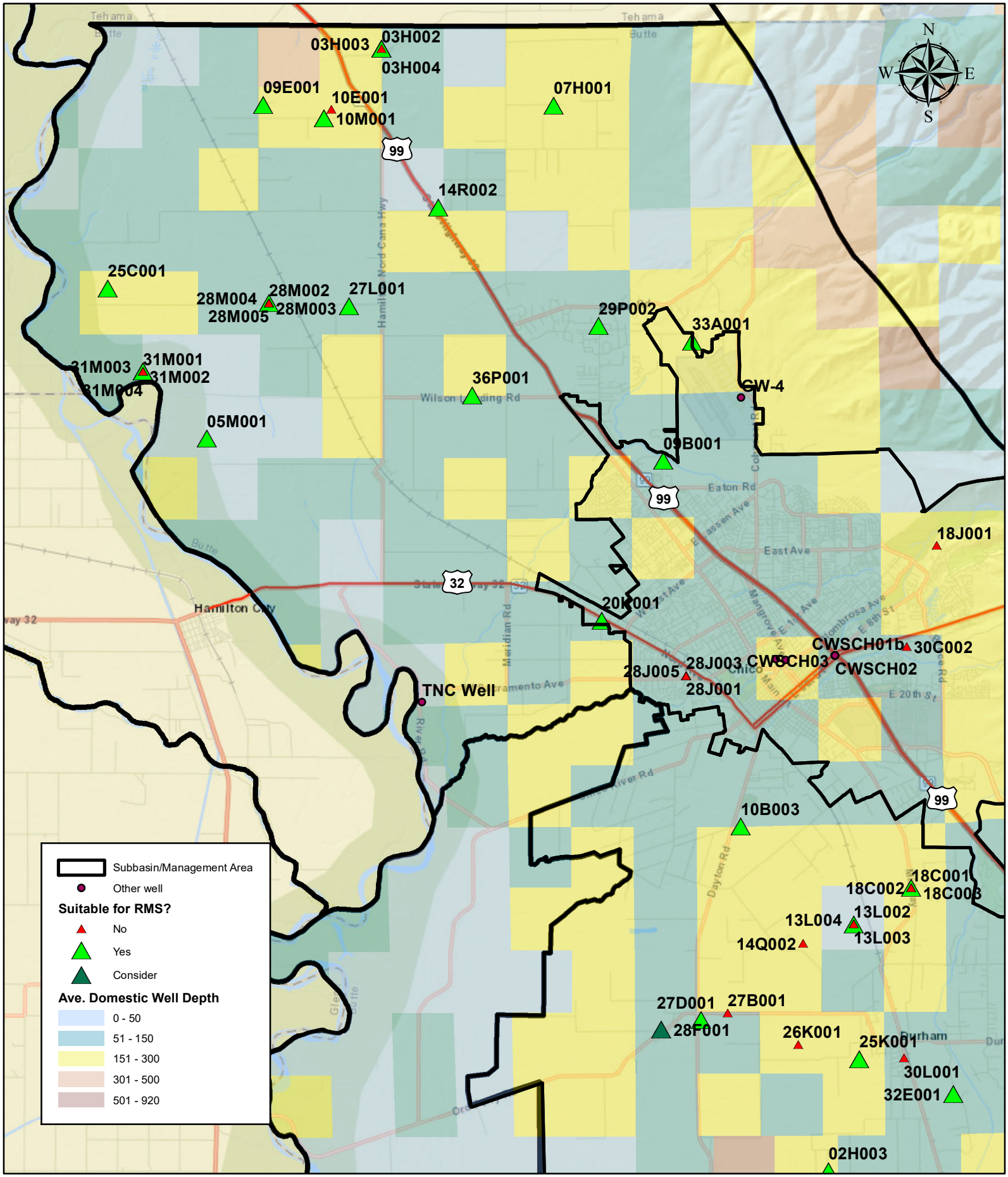
	Well ID	SWN	Butte County Analysis: RMS?	Butte County Reasoning/Considerations	Well Use
Chico*	09B001	22N01E09B001M	Yes	Good align w/ dom. Good geographical location. No Screen info	Residential
	20K001	22N01E20K001M	Yes	Good align w/ dom. Good geographical location. No Screen info	Residential
	28J001	22N01E28J001M	No	Old mon. well, concerned about future reliability	Observation
	28J003	22N01E28J003M**	No	Remove: Old mon. well, concerned about future reliability	Observation
	28J005	22N01E28J005M	No	Old mon. well, concerned about future reliability	Observation
	18J001	22N02E18J001M	No	East side of Chico. (CalWater Service area). Good align w/ dom. No Screen info.	Residential
	30C002	22N02E30C002M	No	East side of Chico (CalWater Service area). Dedicated observation. Good align w/ dom.	Observation

* CalWater wells not evaluated. Four CalWater wells are included in the 2022 GSP GWL RMS network in the Chico Management Area

** Indicates the well is included in the 2022 GSP GWL RMS Network

	Well ID	SWN	Butte County Analysis: RMS?	Butte County Reasoning/Considerations	Well Use
South	09G001	20N02E09G001M	Yes	Good geographical location and mid-depth. No dom wells nearby	Observation
	02H003	20N01E02H003M	Yes	Good align w dom.	Observation
	08H003	20N02E08H003M	Yes	Good align w dom.	Residential
	24C001	20N02E24C001M**	Yes	Good align w dom.	Observation
	33L001	20N03E33L001M	Yes	Good align w/ dom. Good geographical location	~~Other~~ Observation
	10B003	21N01E10B003M	Yes	Good geographical location. Deep for dom.	~~Irrigation~~ Observation
	13L004	21N01E13L004M	Yes	Multi-completion well	Observation
	25K001	21N01E25K001M	Yes	Good align w/ dom wells.	Residential
	27D001	21N01E27D001M	Yes	Good align w/ dom. Reliable access.	Residential
	18C003	21N02E18C003M**	Yes	Unique pattern during drought years. Good align w dom	Observation
	26E006	21N02E26E006M	Yes	Good align w/ dom. Multi-completion well	Observation
	32E001	21N02E32E001M	Yes	Lots of dom wells. Good align w/ dom.	Irrigation
	32B001	21N03E32B001M	Yes	Good geographical location. Very shallow.	~~Irrigation~~ Observation
	10C002	20N01E10C002M**	No	Outside subbasin. Good for tracking boundary conditions	~~Irrigation~~ Observation
	09L001	20N02E09L001M**	No	Often pumping, Too deep, Oil. Not mapped	Irrigation
	24C002	20N02E24C002M	No	Redundant:Shallower zone selected	Observation
	24C003	20N02E24C003M	No	Redundant:Shallower zone selected	Observation
	12D001	21N01E12D001M	No	NMs, patchy data, often pumping. Not mapped	Irrigation
	12K001	21N01E12K001M	No	Questionable Measurements (Oil). Not mapped	Irrigation
	13F001	21N01E13F001M	No	Missing data, always pumping. Not mapped	Irrigation
	13L002	21N01E13L002M	No	Redundant:Shallower zone selected	Observation
	13L003	21N01E13L003M	No	Redundant:Shallower zone selected	Observation
	14Q002	21N01E14Q002M	No	Redundant, 13L004 better alternative; lacking screen info	Irrigation
	21C001	21N01E21C001M**	No	QMs (oil). Too deep for dom. Not mapped.	Irrigation
	26K001	21N01E26K001M	No	Missing data	Irrigation
	27B001	21N01E27B001M	No	Too deep for dom. Redundant, 27D001 better alternative	~~Irrigation~~ Observation
	18C001	21N02E18C001M	No	Redundant:Shallower zone selected	Observation
	18C002	21N02E18C002M	No	Redundant:Shallower zone selected	Observation
	20P001	21N02E20P001M	No	QMs, tape hangs up. Not mapped	Irrigation
	26E003	21N02E26E003M	No	Redundant:Shallower zone selected	Observation
	26E004	21N02E26E004M	No	Redundant:Shallower zone selected	Observation
	30L001	21N02E30L001M	No	Redundant w/ 25K001. A little deep for dom. No screen info.	~~Residential~~ Observation
	22C001	21N03E22C001M	No	Outside subbasin	Residential
	29J003	21N03E29J003M	No	QM measurements due obstructions post 2018 Camp Fire	~~Residential~~ Other
	26E005	21N02E26E005M**	Consider	Redundant:Shallower zone selected	Observation
	06Q001	20N02E06Q001M	Consider	Deep for dom. Redundant w/ 2H003 and 8H003?	Irrigation
	31M001	20N03E31M001M	Consider	A little deep for dom but dedicated observation well. Close to boundary.	Observation
	28F001	21N01E28F001M	Consider	Redundant, 27D001 better alternative. Located in Dayton, lots of dom. Good align w/ dom	Irrigation

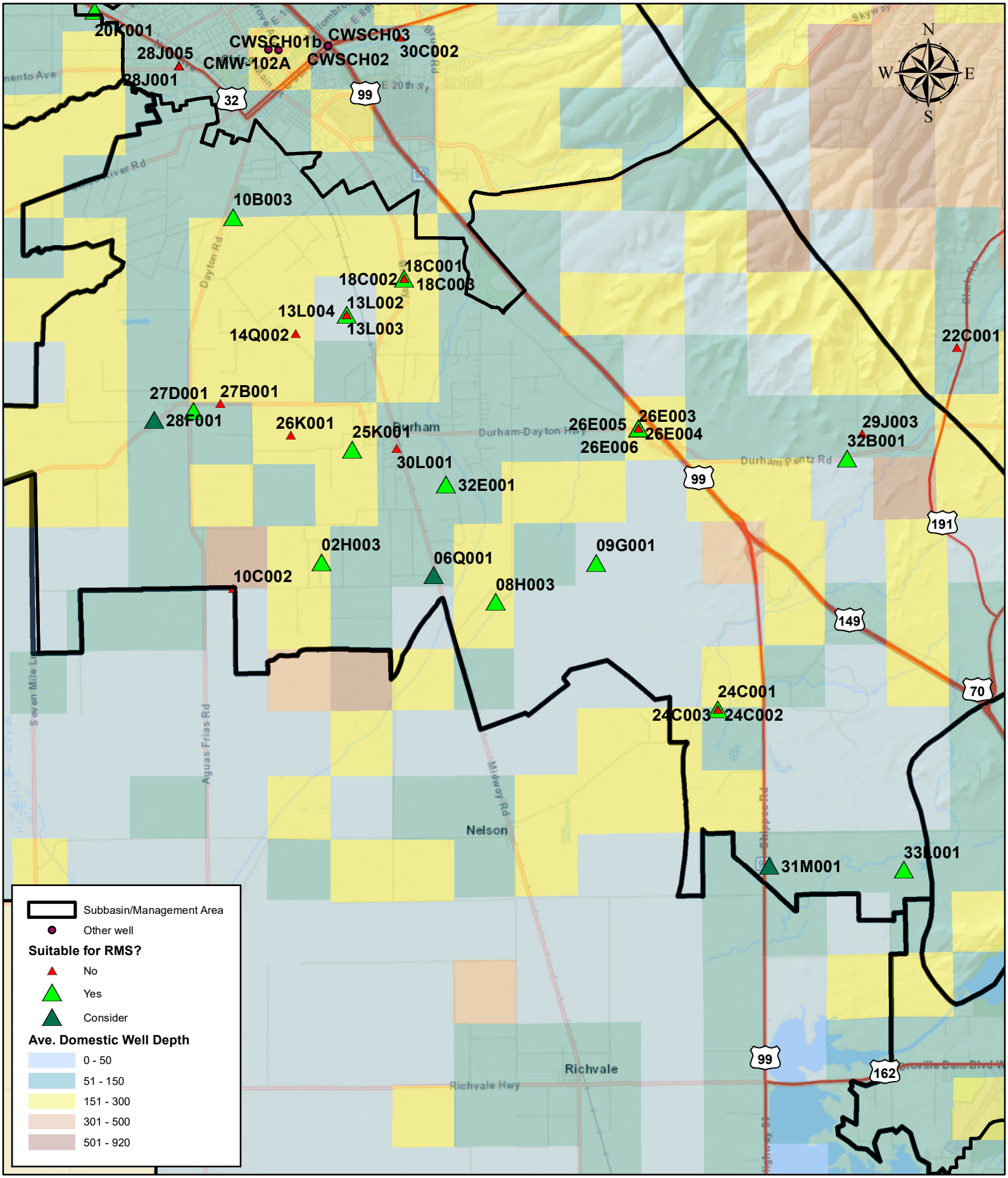
** Indicates the well is included in the 2022 GSP GWL RMS Network



Vina Groundwater Level Monitoring Network

revised 11/24/2025 WRC

Butte County
WATER & RESOURCE CONSERVATION



Vina Groundwater Level Monitoring Network

0 1 2 4 Miles

revised 11/24/2025 WRC

Butte County
WATER & RESOURCE CONSERVATION

Attachment 2

Vina Subbasin Groundwater Level Monitoring Network Evaluation Results

Conducted by Butte County Department of Water and Resource Conservation. November 17, 2025

	Well ID	SWN	Butte County Analysis: RMS?	Butte County Reasoning/Considerations	Well Use	Drill Depth	Ave. Dom Well Depth	Min. Dom Well Depth	Max. Dom Well Depth	Aquifer Category	Location Description	LWA Proposed RMS (Oct. 2025)	LWA Reason for Removal
North	05M001	22N01W05M001M**	Yes	Good geographical location. Long period of record. No screen info.	~~Irrigation~~ Observation	200	0	0	0	both	South of Wilson Landing box	**Yes**	
	07H001	23N01E07H001M**	Yes	Good align w/ dom. Good geographical location	Residential	195	193	113	275	deep	Meridian Rd/Wildhorse Hollow	**Yes**	
	29P002	23N01E29P002M	Yes	Near significant number of dom. and good align. No screen info.	Irrigation	265	150	100	300	both	Garner Ln.	**Yes**	
	33A001	23N01E33A001M**	Yes	East side location beneficial. A bit deep with long screen interval.	~~Irrigation~~ Observation	506	187	130	250	both	Chico Airport	Removed	Redundancy
	03H004	23N01W03H004M	Yes	Multi-completion well. Good align w/ dom. Close to boundary	Observation	115	154	62	200	shallow	Gaia Way - MultiComp	**Yes**	
	09E001	23N01W09E001M	Yes	Good align w/ dom. No screen interval but shallow.	Irrigation	110	162	100	220	shallow	Cana Pine Creek N. of Broyles	No	
	10M001	23N01W10M001M	Yes	Good align w/ dom.	Observation	220	208	116	300	both	Broyles Rd. observation	No	
	14R002	23N01W14R002M	Yes	Good geographical location. No screen info.	Irrigation	183	0	0	0	shallow	Hwy 99	No	
	27L001	23N01W27L001M	Yes	Good align w dom well.	Residential	102	133	102	200	shallow	Bennett Rd Residential	No	
	28M004	23N01W28M004M	Yes	Multi-completion well. A little deep for dom. 27L001 nearby, good alternative.	Observation	217	123	123	123	both	Bennett Rd MultiComp	**Yes**	
	31M004	23N01W31M004M	Yes	Multi-completion well. Close to boundary	Observation	106	49	49	49	shallow	Sacramento River MultiComp	No	
	36P001	23N01W36P001M**	Yes	Good align w/ dom well. Good geographical location. No screen info	Residential	165	162	145	180	shallow	Wilson Landing Residential	**Yes**	
	25C001	23N02W25C001M**	Yes	Good geographical location. A little deep for dom. No screen info.	Irrigation	243	157	120	200	both	Bennett Rd. slough	**Yes**	
	03H002	23N01W03H002M	No	Redundant:Shallower zone selected	Observation	553	154	62	200	deep	Gaia Way - MultiComp	No	
	10E001	23N01W10E001M**	No	Missing data	Irrigation	668	208	116	300	deep	Broyles Rd. orchard	Removed	Redundancy
	16E001	23N01W16E001M	No	Lots of missing data. Deep for dom wells. Not mapped	Irrigation	365	89	0	195	both	Cana Pine Creek Rd. S. of Broyles	No	
	25G001	23N01W25G001M	No	Lots of Questionable Measurements (oil). Not mapped	Irrigation	660	143	105	210	deep	Hwy 99/Meridian	No	
	28M002	23N01W28M002M	No	Redundant:Shallower zone selected	Observation	1044	123	123	123	deep	Bennett MultiComp	No	
	28M003	23N01W28M003M	No	Redundant:Shallower zone selected	Observation	696	123	123	123	deep	Bennett MultiComp	No	
	28M005	23N01W28M005M	No	Redundant: deeper zone selected	Observation	72	123	123	123	shallow	Bennett MultiComp	No	
	31M001	23N01W31M001M	No	Redundant:Shallower zone selected	Observation	1,200	49	49	49	deep	Sacramento River MultiComp	No	
	31M002	23N01W31M002M	No	Redundant:Shallower zone selected	Observation	616	49	49	49	deep	Sacramento River MultiComp	No	
	03H003	23N01W03H003M	Consider	Redundant:Shallower zone selected. Consider for deeper monitoring	Observation	351	154	62	200	deep	Gaia Way - MultiComp	No	
	31M003	23N01W31M003M	Consider	Redundant:Shallower zone selected. Could include this one instead	Observation	245	49	49	49	deep	Sacramento River MultiComp	No	

** Indicates the well is included in the 2022 GSP GWL RMS Network

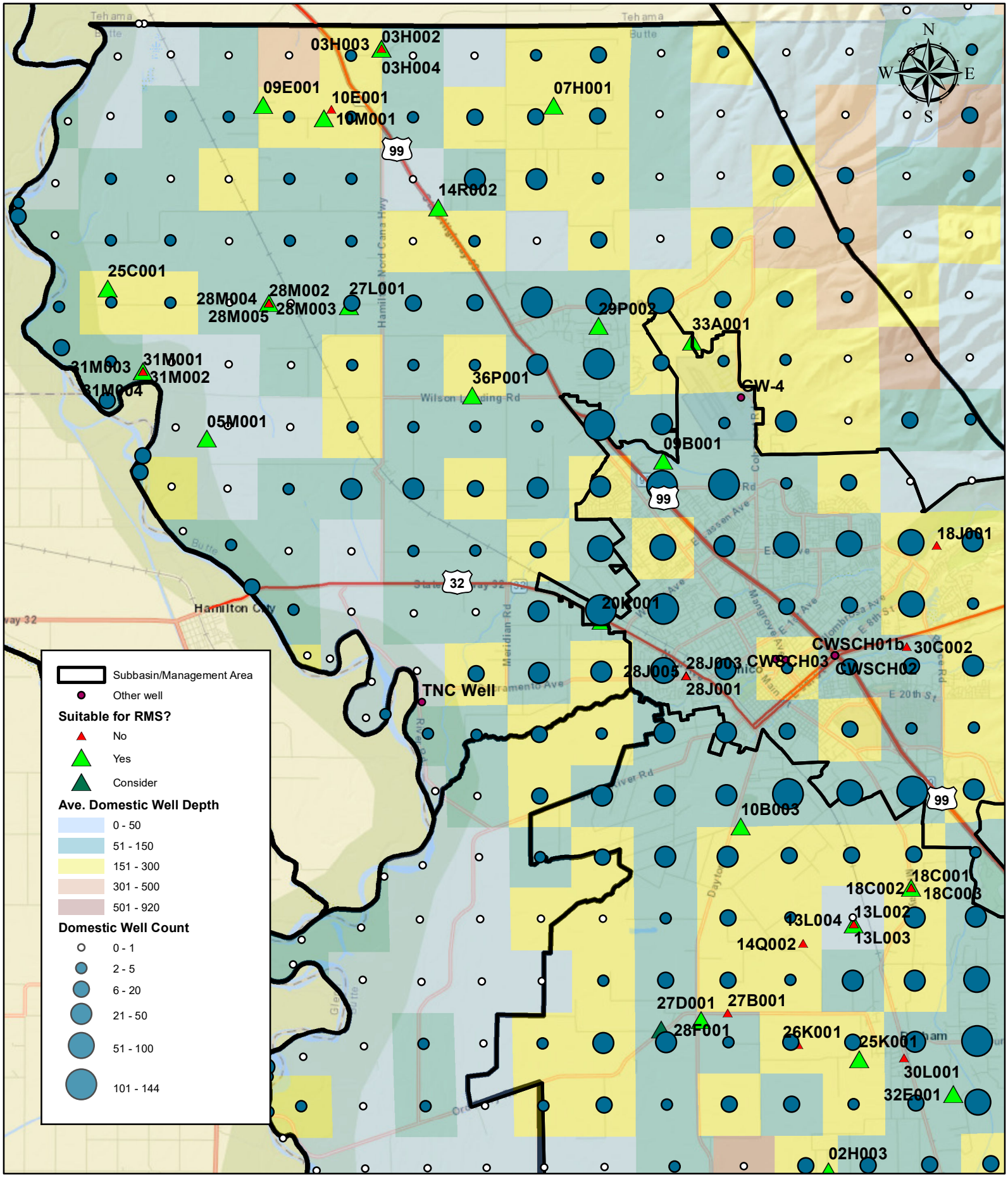
	Well ID	SWN	Butte County Analysis: RMS?	Butte County Reasoning/Considerations	Well Use	Drill Depth	Ave. Dom Well Depth	Min. Dom Well Depth	Max. Dom Well Depth	Aquifer Category	Location Description	LWA Proposed RMS (Oct. 2025)	LWA Reason for Removal
Chico*	09B001	22N01E09B001M	Yes	Good align w/ dom. Good geographical location. No Screen info	Residential	156	145	50	475	shallow	Hicks Ln	No	
	20K001	22N01E20K001M	Yes	Good align w/ dom. Good geographical location. No Screen info	Residential	110	138	45	265	shallow	Hwy 32	No	
	28J001	22N01E28J001M	No	Old mon. well, concerned about future reliability	Observation	660				deep	W. Sacramento Ave	No	
	28J003	22N01E28J003M**	No	Remove: Old mon. well, concerned about future reliability	Observation	320				both	W. Sacramento Ave	**Yes**	
	28J005	22N01E28J005M	No	Old mon. well, concerned about future reliability	Observation	948				deep	W. Sacramento Ave	No	
	18J001	22N02E18J001M	No	East side of Chico. (CalWater Service area). Good align w/ dom. No Screen info.	Residential	180	152	23	345	shallow	Rondo Ct by 5 Mile	No	
	30C002	22N02E30C002M	No	East side of Chico (CalWater Service area). Dedicated observation. Good align w/ dom.	Observation	203	103	42	192	shallow	Marsh Jr. High	No	

* CalWater wells not evaluated. Four CalWater wells are included in the 2022 GSP GWL RMS network in the Chico Management Area

** Indicates the well is included in the 2022 GSP GWL RMS Network

	Well ID	SWN	Butte County Analysis: RMS?	Butte County Reasoning/Considerations	Well Use	Drill Depth	Ave. Dom Well Depth	Min. Dom Well Depth	Max. Dom Well Depth	Aquifer Category	Location Description	LWA Proposed RMS (Oct. 2025)	LWA Reason for Removal
South	09G001	20N02E09G001M	Yes	Good geographical location and mid-depth. No dom wells nearby	Observation	202	0	0	0	deep	Esquon Airstrip	No	
	02H003	20N01E02H003M	Yes	Good align w dom.	Observation	201	161	44	465	both	Harvest Ln. N. of Grainland Rd	**Yes**	
	08H003	20N02E08H003M	Yes	Good align w dom.	Residential	187	151	102	210	deep	Esquon Residential	No	
	24C001	20N02E24C001M**	Yes	Good align w dom.	Observation	155	90	90	90	shallow	Nelson Rd. MultiComp	**Yes**	
	33L001	20N03E33L001M	Yes	Good align w/ dom. Good geographical location	~~Other~~ Observation	101	140	140	140	shallow	East of Hwy 99 nr S. boundary	No	
	10B003	21N01E10B003M	Yes	Good geographical location. Deep for dom.	~~Irrigation~~ Observation	525	155	60	235	deep	Dayton Rd/Rodgers Ave	**Yes**	
	13L004	21N01E13L004M	Yes	Multi-completion well	Observation	353	0	0	0	deep	CSU Farm MultiComp	**Yes**	
	25K001	21N01E25K001M	Yes	Good align w/ dom wells.	Residential	93	200	40	577	shallow	Turner Road, Durham	No	
	27D001	21N01E27D001M	Yes	Good align w/ dom. Reliable access.	Residential	112	111	82	143	shallow	Aguas Frias/Durham Dayton Hwy	**Yes**	
	18C003	21N02E18C003M**	Yes	Unique pattern during drought years. Good align w dom	Observation	240	151	87	362	deep	Patrick's Ranch MultiComp	**Yes**	
	26E006	21N02E26E006M	Yes	Good align w/ dom. Multi-completion wel	Observation	179	152	88	260	shallow	Custom Fab near Hwy 99	**Yes**	
	32E001	21N02E32E001M	Yes	Lots of dom wells. Good align w/ dom.	Irrigation	184	135	50	680	shallow	Stanford Ln, Durham	No	
	32B001	21N03E32B001M	Yes	Good geographical location. Very shallow.	~~Irrigation~~ Observation	57	0	0	0	shallow	Durham Pentz Rd. East	No	
	10C002	20N01E10C002M**	No	Outside subbasin. Good for tracking boundary conditions	~~Irrigation~~ Observation	210	0	0	0	both	Aquas frias/Grainland	Removed	Well outside subbasin boundary
	09L001	20N02E09L001M**	No	Often pumping, Too deep, Oil. Not mapped	Irrigation	710	0	0	0	deep	Esquon Irrigation	Removed	Poor data quality, oil
	24C002	20N02E24C002M	No	Redundant:Shallower zone selected	Observation	390	90	90	90	deep	Nelson Rd. MultiComp	No	
	24C003	20N02E24C003M	No	Redundant:Shallower zone selected	Observation	520	90	90	90	deep	Nelson Rd. MultiComp	No	
	12D001	21N01E12D001M	No	NMs, patchy data, often pumping. Not mapped	Irrigation	600	163	105	220	both	Nr. Hegan Ln. CSU Farm	No	
	12K001	21N01E12K001M	No	Questionable Measurements (Oil). Not mapped	Irrigation	465	163	105	220	deep	Bruce Ln/Hegan	No	
	13F001	21N01E13F001M	No	Missing data, always pumping. Not mapped	Irrigation	515	0	0	0	both	CSU Farm north	No	
	13L002	21N01E13L002M	No	Redundant:Shallower zone selected	Observation	771	0	0	0	deep	CSU Farm MultiComp	No	
	13L003	21N01E13L003M	No	Redundant:Shallower zone selected	Observation	574	0	0	0	deep	CSU Farm MultiComp	No	
	14Q002	21N01E14Q002M	No	Redundant, 13L004 better alternative; lacking screen info	Irrigation	290	167	120	240	both	Fimple/Hegan	No	
	21C001	21N01E21C001M**	No	QMs (oil). Too deep for dom. Not mapped.	Irrigation	565	119	37	240	deep	N. of Dayton/Chico St.	Removed	Poor data quality, oil
	26K001	21N01E26K001M	No	Missing data	Irrigation	462	168	100	278	deep	Burkick Lane, Durham	No	
	27B001	21N01E27B001M	No	Too deep for dom. Redundant, 27D001 better alternative	~~Irrigation~~ Observation	517	111	82	143	both	Four Corners	No	
	18C001	21N02E18C001M	No	Redundant:Shallower zone selected	Observation	914	151	87	362	deep	Patrick's Ranch MultiComp	No	
	18C002	21N02E18C002M	No	Redundant:Shallower zone selected	Observation	701	151	87	362	deep	Patrick's Ranch MultiComp	No	
	20P001	21N02E20P001M	No	QMs, tape hangs up. Not mapped	Irrigation	238	131	40	300	deep	Cummings Rd. Nr Butte Crk	No	
	26E003	21N02E26E003M	No	Redundant:Shallower zone selected	Observation	660	152	88	260	deep	Durham Dayton Hwy MultiComp	No	
	26E004	21N02E26E004M	No	Redundant:Shallower zone selected	Observation	518	152	88	260	deep	Durham Dayton Hwy MultiComp	No	
	30L001	21N02E30L001M	No	Redundant w/ 25K001. A little deep for dom. No screen info.	~~Residential~~ Observation	317	119	30	259	both	Memorial Hall, Durham	**Yes**	
	22C001	21N03E22C001M	No	Outside subbasin	Residential	123	146	45	295	shallow	West Branch Ln	No	
	29J003	21N03E29J003M	No	QM measurements due obstructions post 2018 Camp Fire	~~Residential~~ Other	513	143	100	180	deep	Butte College	**Yes**	
	26E005	21N02E26E005M**	Consider	Redundant:Shallower zone selected	Observation	315	152	88	260	deep	Durham Dayton Hwy MultiComp	Removed	MultiComp; replaced
	06Q001	20N02E06Q001M	Consider	Deep for dom. Redundant w/ 2H003 and 8H003?	Irrigation	383	142	56	267	both	Midway/White Dr.	No	
	31M001	20N03E31M001M	Consider	A little deep for dom but dedicated observation well. Close to boundary.	Observation	201	123	123	123	deep	Hwy 99 nr S. boundary	No	
	28F001	21N01E28F001M	Consider	Redundant, 27D001 better alternative. Located in Dayton, lots of dom. Good align w/ dom	Irrigation	173	137	56	238	shallow	Yokum Ln, Dayton	No	

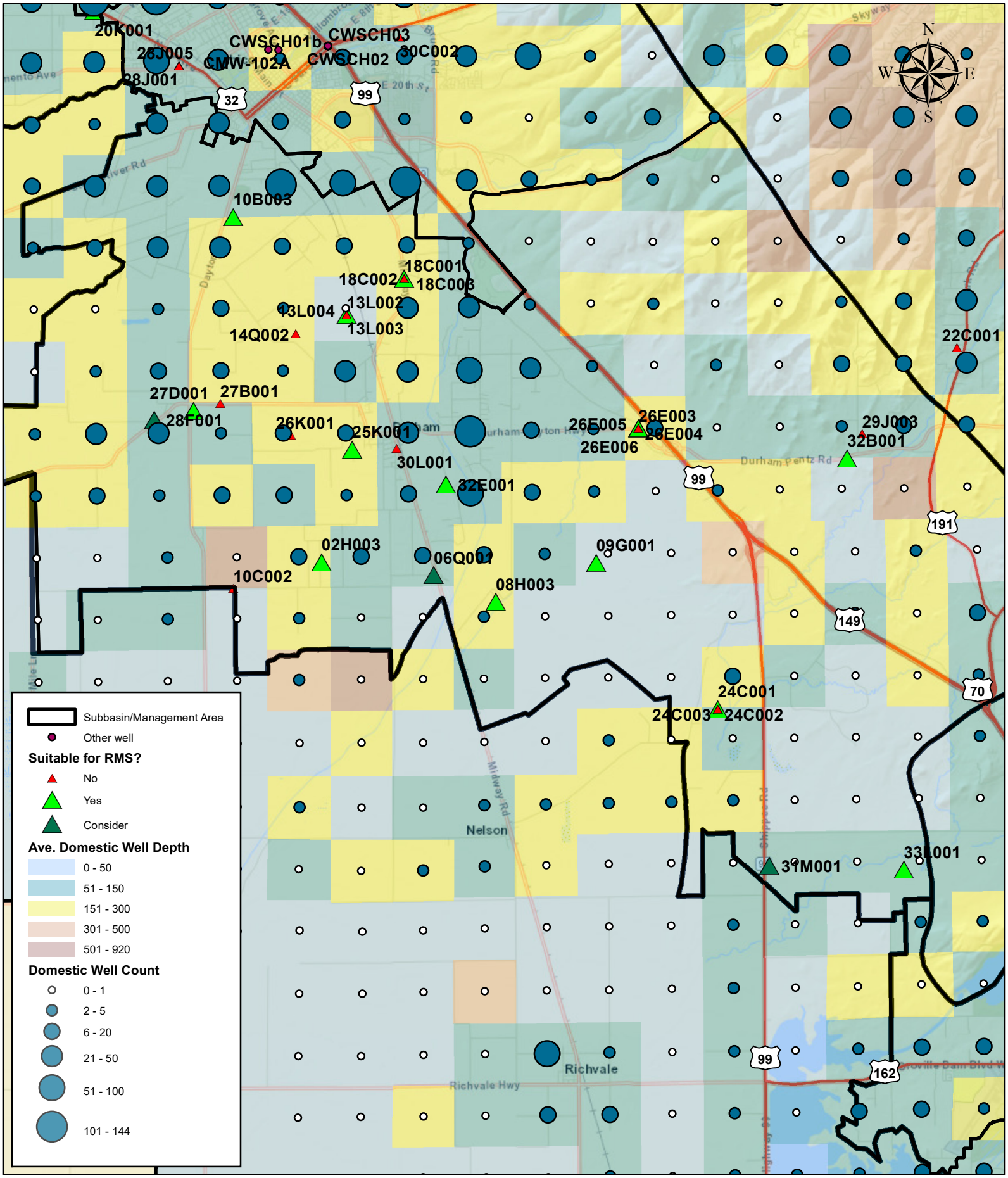
** Indicates the well is included in the 2022 GSP GWL RMS Network



Vina Groundwater Level Monitoring Network

revised 11/24/2025 WRC

Butte County
WATER & RESOURCE CONSERVATION



Vina Groundwater Level Monitoring Network

0 1 2 4 Miles

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