

Butte County Public Health Department
Environmental Health Division

Well Permit Summary

Quarter 2 (January 1, 2023 – March 31, 2023) of Water Year 2023

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Definitions

Permits Issued – Number of new water well permits issued as new construction. This excludes repairs, destructions, abandonments.

Permits Finaled – Number of water well permits that have been finaled (i.e. final construction completed and well is operational). This excludes repairs, destructions, abandonments.

Small Diameter Wells - A well with an eight-inch or smaller diameter well casing.

Large Diameter Wells - A well with larger than eight-inch diameter well casing.

Repair – Well repair; this includes but is not limited to casing replacement, re-lining or perforation.

Deepening – Well deepening; increasing the depth of an existing well.

Well Destruction – Well is destroyed (sealed off) by an approved method.

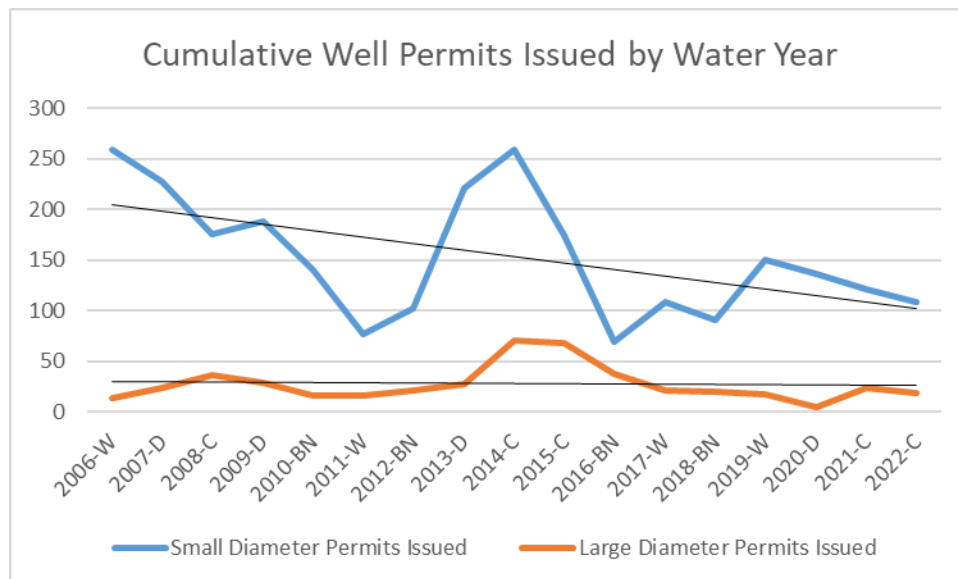
Dry Well – Well that is no longer producing water or has reduced production to a point where it can no longer sustain a residence (< 1 gpm).

Water Year - A water year is a 12-month period that extends from October 1st to September 30th. Water year can be classified into Wet (W), Above Normal (AN), Below Normal (BN), Dry (D) or Critical (C).

Executive Order N-7-22 – Effective March 28, 2022 and impacting permits that have not been issued to date. Implements increased drought response and established requirements for water well permit reviews to include Groundwater Sustainability Agencies (GSAs) and ground water impact considerations prior to permit issuance.

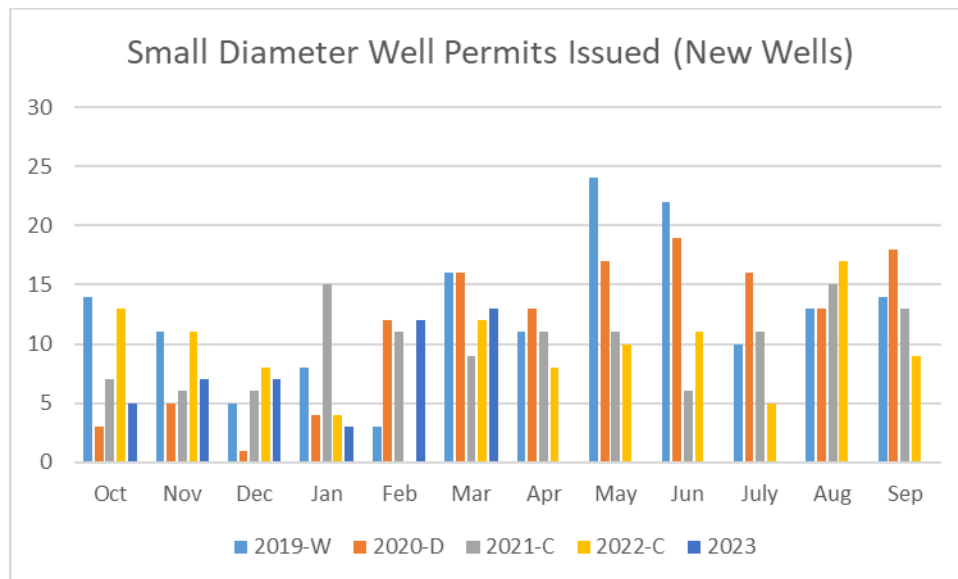
Cumulative Well Permit Data

Cumulative (WY) Well Permits Issued		
Water Year	Small Diameter Permits Issued	Large Diameter Permits Issued
2006-W	260	14
2007-D	228	24
2008-C	176	36
2009-D	188	29
2010-BN	140	16
2011-W	77	16
2012-BN	102	21
2013-D	221	28
2014-C	259	71
2015-C	175	68
2016-BN	69	38
2017-W	109	21
2018-BN	91	20
2019-W	151	18
2020-D	137	5
2021-C	121	24
2022-C	108	19
2023	47	12



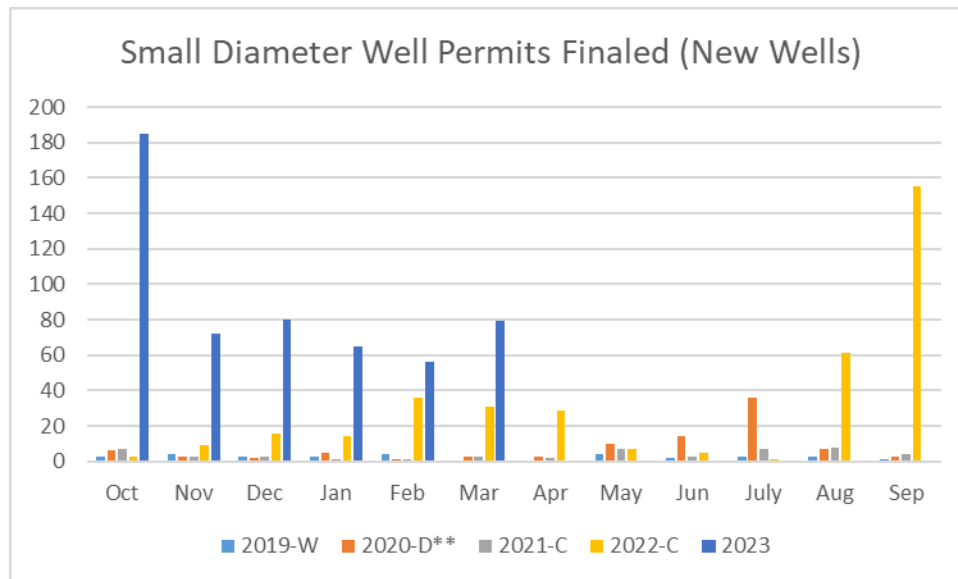
Small Diameter Well Permit Data - Issued

Water Year	Small Diameter Well Permits Issued (New Wells)												Total
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep	
2006-W	34	13	18	17	21	21	16	19	36	19	26	20	260
2007-D	24	14	8	16	14	20	28	19	25	20	22	18	228
2008-C	16	15	10	8	7	15	19	17	15	20	22	12	176
2009-D	17	10	8	13	10	11	21	17	23	23	20	15	188
2010-BN	9	9	8	2	4	14	22	10	22	18	14	8	140
2011-W	7	2	1	2	4	6	4	14	16	5	11	5	77
2012-BN	8	2	4	10	8	6	11	18	9	16	6	4	102
2013-D	9	10	2	11	22	27	35	36	19	17	24	9	221
2014-C	9	10	10	24	14	20	33	32	34	31	23	19	259
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep	Total
2015-C	18	7	6	15	11	22	27	15	13	18	17	6	175
2016-BN	4	5	7	6	8	17	9	12	16	14	12	3	113
2017-W	7	7	5	2	8	19	19	17	17	5	2	1	109
2018-BN	6	3	2	3	6	4	10	13	12	10	13	9	91
2019-W	14	11	5	8	3	16	11	24	22	10	13	14	151
2020-D	3	5	1	4	12	16	13	17	19	16	13	18	137
2021-C	7	6	6	15	11	9	11	11	6	11	15	13	121
2022-C	13	11	8	4	0	12	8	10	11	5	17	9	108
2023	5	7	7	3	12	13							47



Small Diameter Well Permit Data - Finaled

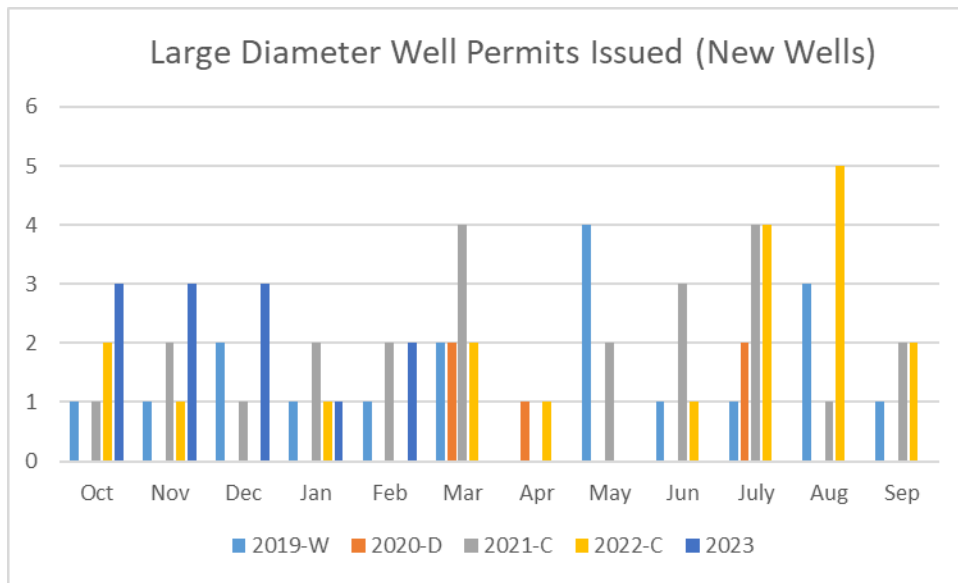
Water Year	Small Diameter Well Permits Finaled (New Wells)												Total
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep	
2016-BN	7	4	3	4	3	1	1	4	5	1	3	0	36
2017-W	3	2	2	3	3	3	1	1	1	0	5	0	24
2018-BN	1	4	3	1	1	4	2	4	6	1	5	3	35
2019-W	3	4	3	3	4	0	0	4	2	3	3	1	30
2020-D**	6	3	2	5	1	3	3	10	14	36	7	3	93
2021-C	7	3	3	1	1	3	2	7	3	7	8	4	49
2022-C	3	9	16	14	36	31	29	7	5	1	61	155	367
2023	185	72	80	65	56	79							537



**Water Year 2020 and forward - Implemented improvements to the well permit process and working on backlog status updates.

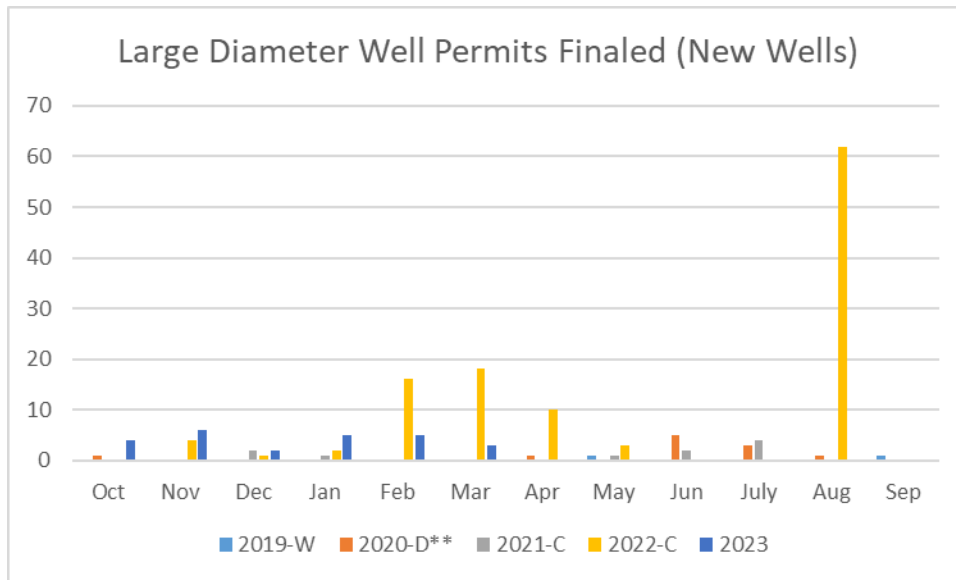
Large Diameter Well Permit Data - Issued

Water Year	Large Diameter Well Permits Issued (New Wells)												Total
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep	
2006-W	2	1	0	4	0	4	1	1	0	1	0	0	14
2007-D	2	1	0	4	5	0	5	0	5	1	0	1	24
2008-C	2	1	6	1	3	0	2	2	15	3	0	1	36
2009-D	2	1	2	6	6	2	0	0	4	2	0	4	29
2010-BN	3	3	1	2	0	1	2	2	1	1	0	0	16
2011-W	3	1	0	3	3	0	0	2	1	2	1	0	16
2012-BN	1	1	1	2	0	0	1	1	0	4	8	2	21
2013-D	1	0	1	1	2	2	2	6	1	0	8	4	28
2014-C	2	0	3	15	12	10	5	2	5	6	6	5	71
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep	Total
2015-C	5	7	4	1	4	7	6	1	5	14	11	3	68
2016-BN	5	5	5	5	4	2	2	3	1	1	2	3	38
2017-W	1	0	1	2	2	3	3	2	2	0	5	0	21
2018-BN	1	3	0	0	0	3	1	2	1	4	2	3	20
2019-W	1	1	2	1	1	2	0	4	1	1	3	1	18
2020-D	0	0	0	0	0	2	1	0	0	2	0	0	5
2021-C	1	2	1	2	2	4	0	2	3	4	1	2	24
2022-C	2	1	0	1	0	2	1	0	1	4	5	2	19
2023	3	3	3	1	2	0							12



Large Diameter Well Permit Data – Finaled

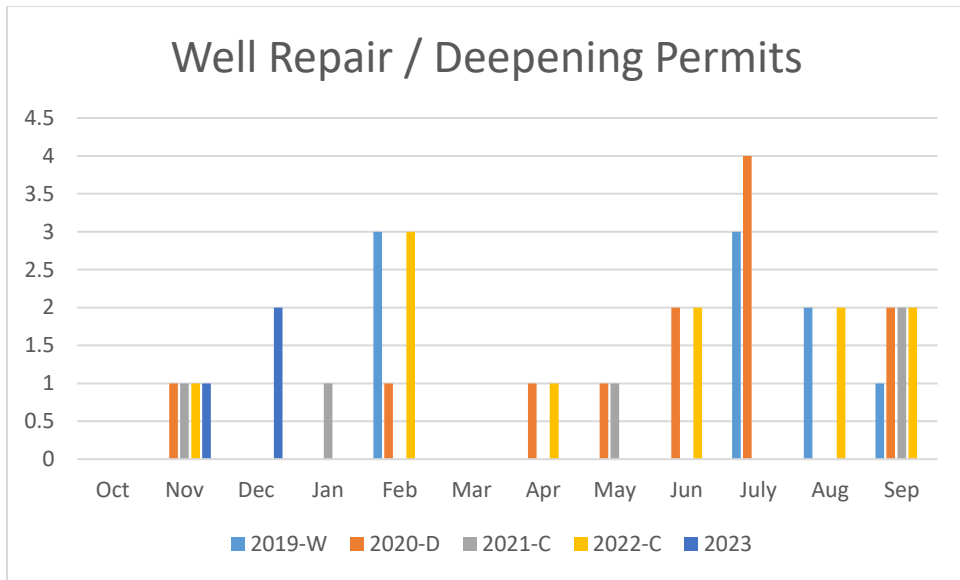
Water Year	Large Diameter Well Permits Finaled (New Wells)												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep	Total
2016-BN	2	0	0	0	0	0	0	0	0	1	0	0	3
2017-W	0	0	0	0	0	0	0	0	0	2	0	0	2
2018-BN	0	0	0	1	0	0	1	0	1	0	4	0	7
2019-W	0	0	0	0	0	0	0	0	1	0	0	0	2
2020-D**	1	0	0	0	0	0	0	1	0	5	3	1	11
2021-C	0	0	2	1	0	0	0	0	1	2	4	0	10
2022-C	0	4	1	2	16	18	10	3	0	0	62	0	116
2023	4	6	2	5	5	3							25



**Water Year 2020 and forward - Implemented improvements to the well permit process and working on backlog status updates.

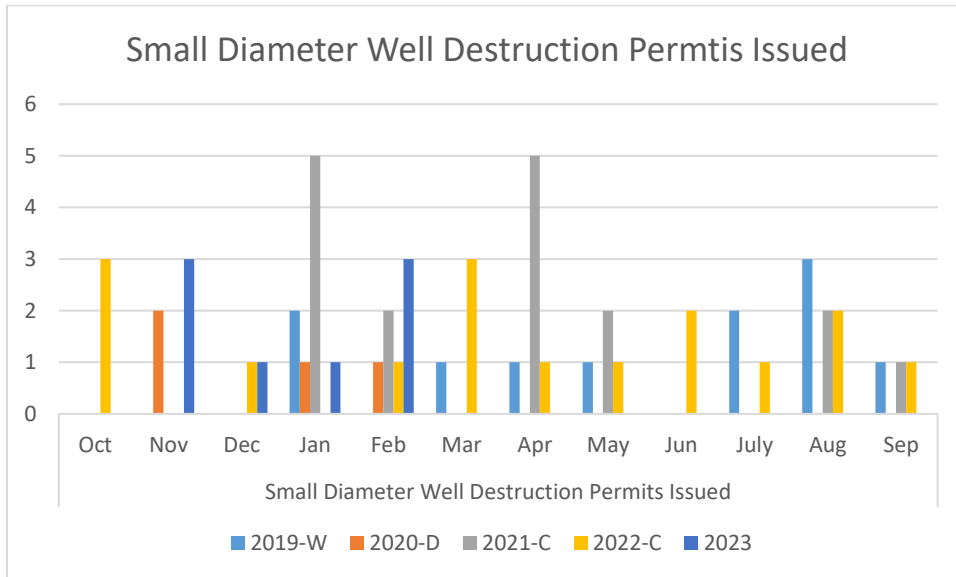
Well Repair and Deepening Data

Water Year	Well Repair/Deepening Permits Issued												Total
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep	
2006-W	0	0	0	0	0	0	0	0	3	1	0	0	4
2007-D	0	0	0	0	1	0	0	1	0	2	2	3	9
2008-C	3	2	1	1	1	0	1	0	0	3	3	0	15
2009-D	0	1	2	2	3	0	1	2	1	4	1	3	20
2010-BN	0	1	0	0	0	3	0	3	1	1	1	0	10
2011-W	2	0	0	0	0	0	0	0	2	1	4	0	9
2012-BN	1	0	0	0	0	0	1	1	2	0	1	1	7
2013-D	0	0	1	0	2	0	0	2	0	2	0	3	10
2014-C	2	0	1	8	0	2	1	0	2	0	1	0	17
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep	Total
2015-C	1	0	1	0	1	3	2	1	1	3	4	2	19
2016-BN	2	1	0	0	0	0	0	0	0	1	4	1	4
2017-W	0	1	0	0	0	0	0	0	0	0	1	0	2
2018-BN	0	1	0	0	0	0	0	0	0	0	2	0	3
2019-W	0	0	0	0	3	0	0	0	0	3	2	1	9
2020-D	0	1	0	0	1	0	1	1	2	4	0	2	12
2021-C	0	1	0	1	0	0	0	1	0	0	0	2	5
2022-C	0	1	0	0	3	0	1	0	2	0	2	2	11
2023	0	1	2	0	0	0	0	0	0	0	0	0	3



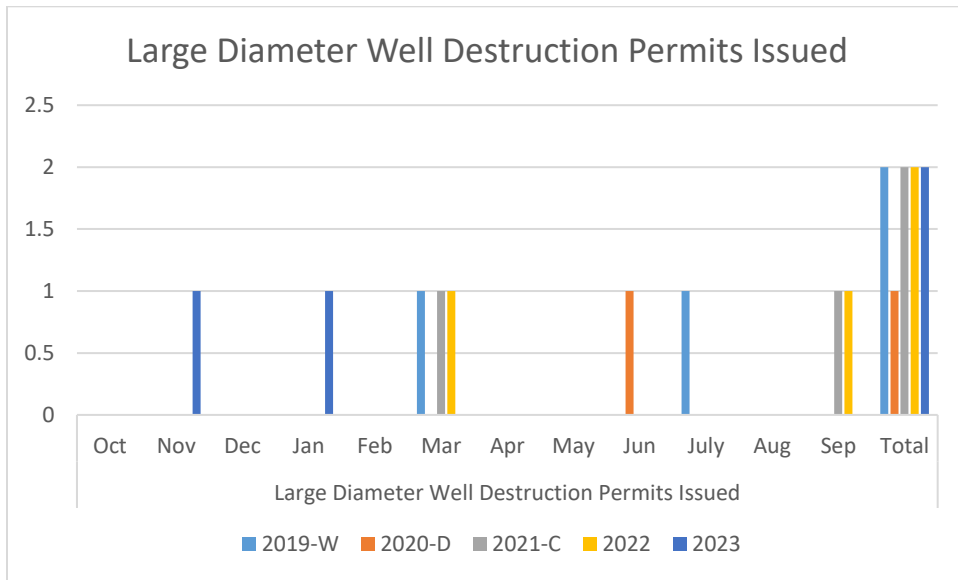
Well Destruction Data – Small Diameter Wells

Water Year	Small Diameter Well Destruction Permits Issued												Total	
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep		
2017-W	0	2	0	0	0	0	1	0	0	0	4	1	0	8
2018-BN	0	0	3	0	0	0	0	0	0	0	1	1	0	5
2019-W	0	0	0	2	0	1	1	1	1	0	2	3	1	11
2020-D	0	2	0	1	1	0	0	0	0	0	0	0	0	4
2021-C	0	0	0	5	2	0	5	2	0	0	0	2	1	17
2022-C	3	0	1	0	1	3	1	1	2	1	2	1	1	16
2023	0	3	1	1	3	0								8



Well Destruction Data – Large Diameter Wells

Water Year	Large Diameter Well Destruction Permits Issued												Total
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep	
2017-W	1	1	0	0	0	1	0	0	0	0	1	0	4
2018-BN	0	0	0	0	0	0	0	0	0	0	1	0	1
2019-W	0	0	0	0	0	1	0	0	0	1	0	0	2
2020-D	0	0	0	0	0	0	0	0	1	0	0	0	1
2021-C	0	0	0	0	0	1	0	0	0	0	0	1	2
2022	0	0	0	0	0	1	0	0	0	0	0	1	2
2023	0	1	0	1	0	0							2



Dry Well Data

Water Year	Dry Small Diameter Wells												Total	
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep		
2021-C												11	7	18
2022-C	1	0	1	0	1	0	0	0	2	3	4	2	14	
2023	2	2	0	0	2	0							6	

Dry well data started being collected August 2021.

Water Year	Dry Large Diameter Wells												Total
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep	
2021-C											1	0	1
2022-C	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0						0

Dry well data started being collected August 2021.

Cumulative Dry Wells by Water Year		
Water Year	Small Diameter Dry Wells	Large Diameter Dry Wells
2021-C	18	1
2022-C	14	0
2023	6	0

Cumulative Dry Wells By City	
Chico	20
Durham	11
Cohasset	2
Berry Creek	1
Oroville	2
Bangor	1
Forrest Ra	2
Palermo	1

Known Depth of Dry Wells		
Chico	Oroville	Forest Ranch
80 feet	95 feet	520 feet
172 feet	600 feet	
84 feet		
105 feet		
75 feet		
136 feet		

Executive Order N-7-22 Data

Cumulative Number of Wells Under Executive Oder N-7-22			
By Subbasin	Small Diameter	Large Diameter	Totals
BUTTE	0	20	20
VINA	4	8	12
WYANDOTTE	1	7	8
			40
By GSA	Small Diameter	Large Diameter	Totals
Biggs-West Gridley Water District	0	5	5
Butte County	0	5	5
Butte Water District	0	4	4
Richvale Irrigation District	0	2	2
Reclamation District No. 2106	0	2	2
Rock Creek Reclamation District	0	1	1
Vina	4	8	12
Western Canal	0	1	1
Wyandotte Creek	1	7	8
			40

