

## JOINT POWERS AUTHORITY BOARD MEETING

Oroville City Council Chambers  
1735 Montgomery Street  
Oroville, CA. 95965



**August 24, 2023**  
**REGULAR MEETING**  
**OPEN SESSION 2:00 PM**  
**AGENDA**

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### REQUESTS TO ADDRESS BOARD

If you would like to address the Board at this meeting, you are requested to complete the blue speaker request form (located on the wall by the agendas) and hand it to the Board Clerk, who is seated on the right of the Council Chamber. The form assists the Clerk with minute taking and assists the Board in conducting an orderly meeting. Providing personal information on the form is voluntary. For scheduled agenda items, *please submit the form prior to the conclusion of the staff presentation for that item.* Pursuant to Government Code Section 54954.2, the Board is prohibited from taking action except for a brief response from the Board or staff to statements or questions relating to a non-agenda item.

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Attend in-person or listen in by one of the methods listed below. The zoom option is for viewing purposes only.

- Zoom Link: <https://zoom.us/j/91028842432?pwd=TVh4SIFHbUhyTG9oeXFnejFWUjEwZz09>
- By Phone – 1-669-900-6833 Passcode: 17351735
- Zoom Application: Meeting ID: 91028842432 Passcode: 17351735
- Email comments accepted until 12pm to [publiccomment@cityoforoville.org](mailto:publiccomment@cityoforoville.org)

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### CALL TO ORDER / ROLL CALL

1. **Pledge of Allegiance**

2. **Roll Call**

Board Members: Bill Connelly, Janet Goodson, William Bynum, Kyle Daley, Bruce Wristen

Staff Management Team: Butte County – Kamie Loeser, Christina Buck; TWSD – Chris Heindell; Oroville – Matt Thompson; Josh Freitas

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### REGULAR BUSINESS

3. **\*The Board may Approve the Minutes of the July 27, 2023 Public Hearing and Regular Meeting.**

**Action:** Approval of the meeting minutes.

4. **\*Consider approval of Amended Resolution No. 2023-01** (Kamie Loeser, Butte County)

**Recommendation:** Approve amended resolution.

5. **\*Approach to Implementation of Sustainable Groundwater Management Grant Program Funded Projects** (Christina Buck, Butte County)

Staff will provide a presentation on the proposed approach to implementation of grant funded projects for Board discussion and direction.

**Recommended Action:** Provide direction to staff to begin Request for Proposals process and drafting subrecipient agreements for the Proposed Projects, once the Department of Water Resources announces final awards.

## REPORTS AND CORRESPONDENCE

6. **Verbal Management Committee Updates** (staff)

6.1 Update on Wyandotte Creek Board of Directors and Advisory Committee Appointments

\*6.2 Butte County Public Health Department Quarterly Well Permit Summary

6.3 The Department of Water Resources issued their Determination of Approval for the Wyandotte Creek Groundwater Sustainability Plan. Available:

<https://www.wyandottecreekgsa.com/wyandotte-creek-groundwater-sustainability-plan-gsp>

\*6.4 Update on the Oroville Wildlife Area Robinson's Riffle Restoration Project

## PUBLIC COMMENT- NON-AGENDA ITEMS

This is the time for the public to address the Board on items not listed on the agenda. The Wyandotte Creek GSA Board is prohibited by State law from taking action on any item presented if it is not listed on the agenda. Comments will be limited to three minutes per person.

## ADJOURN THE MEETING

The meeting will be adjourned to a regular meeting of the Wyandotte Creek GSA Board to be held on October 26, 2023 at 2:00 pm.

*Accommodating Those Individuals with Special Needs* – In compliance with the Americans with Disabilities Act, the City of Oroville encourages those with disabilities to participate fully in the public meeting process. If you have a special need in order to allow you to attend or participate in our public meetings, please contact the Board Clerk at (530) 538-2535, well in advance of the regular meeting you wish to attend, so that we may make every reasonable effort to accommodate you. Documents distributed for public session items, less than 72 hours prior to meeting, are available for public inspection at City Hall, 1735 Montgomery Street, Oroville, California.

*Recordings* - All meetings are audio recorded.

\*Materials attached

**July 27, 2023**  
**PUBLIC HEARING AND REGULAR MEETING**  
**MINUTES**

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This agenda was posted on, Thursday, July 20, 2023. This meeting was recorded and may be viewed at: <https://www.youtube.com/watch?v=rwEfmoiiVLM>

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## **CALL TO ORDER / ROLL CALL**

Chairperson Connelly opened the meeting at 2:03pm

- A. **Pledge of Allegiance** – Led by Chairperson Connelly
- B. **Roll Call**

PRESENT: Board Members: Bill Connelly, Janet Goodson, William Bynum, Kyle Daley, Bruce Wristen

Staff Management Team: Butte County – Kamie Loeser, Christina Buck; TWSD – Chris Heindell; Oroville – Matt Thompson, Josh Freitas

## **CONSENT AGENDA**

- 1. **\*The Board may Approve the Minutes of the May 25, 2023, Regular Board Meeting.**
- 2. **\*Renew contract with Bartkiewicz, Kronick & Shanahan for General Counsel Legal Services** (Kamie Loeser, Butte County)
  - Motion by Board Member Goodson and seconded by Board Member Bynum to approve Consent Agenda. Motion Passed unanimously.

## **PUBLIC HEARING**

- 3. **Conduct Public Hearing: Wyandotte Creek GSA Property Related Fee** (Staff, Butte County and LSCE)
  - Chairperson Connelly opened the public hearing at 2:06 pm
  - The Board received 6 public comments on the proposed fee.
  - Chairperson Connelly directed the Agency's consultant to tabulate the written protests submitted; 108 eligible written protest ballots were counted, 5979 protest ballots were needed to constitute a valid protest. Protest fails.
  - Ballot breakdown: Wyandotte Creek GSA PO Box received 84 ballots, Wyandotte Creek GSA Office received 9 ballots, Public Protest Hearing received 15 ballots.
  - Chairperson Connelly closed public hearing at 2:44pm

## REGULAR BUSINESS

4. **\*Consideration of Resolution Certifying Wyandotte Creek Majority Protest Process and Approving Fee and Basis for Setting the Operations Fee** (Staff, Butte County and LSCE)
  - Motion by Board Member Wristen and seconded by Board Member Bynum to approve Resolution 23-01 certifying the Wyandotte Creek GSA majority protest process and approving the fee. Motion passed unanimously.
5. **\*Consideration of a Resolution to Adopt the Wyandotte Creek GSA FY23-24 Annual Operations Budget** (Staff, Butte County)
  - Motion by Board Member Goodson and seconded by Board Member Wristen to approve Resolution 23-02 adopting the Wyandotte Creek GSA FY 23-24 Annual Operation Budget. Motion passed unanimously.
6. **\*Consideration of a Resolution to Establish and Collect a Fee for the Wyandotte Creek GSA Operations**
  - Motion by Board Member Wristen and seconded by Board Member Goodson to approve Resolution 23-03 to establish and collect a fee for the Wyandotte Creek GSA Operations. Motion passed unanimously.
7. **\*Consideration of a Resolution Certifying the Validity of the Legal Process Used to Place Direct Assessments (Special Assessments) on the Secured Tax Roll to establish fees approved by the Wyandotte Creek Board for FY23-24 on the August 10, 2023, County Tax Roll.**
  - Motion by Board Member Daley and seconded by Board Member Bynum to approve Resolution 23-04 certifying the validity of the legal process used to place direct assessments (special assessments) on the secured tax roll. Motion passed unanimously.
8. **\*Consideration of a Framework for Fee Review and Appeal Process Policy.**
  - The Board reviewed the draft framework and provided direction to staff. This item will be brought back at a future meeting date.

## REPORTS AND CORRESPONDENCE

9. **Verbal Management Committee Updates - None**

## PUBLIC COMMENT - NON-AGENDA ITEMS

There were 0 public speakers at this meeting for Non-Agenda items.

# ADJOURN THE MEETING

Chairperson Connelly adjourned the meeting at 3:49 pm.

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Chairperson Connelly

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Kamie Loeser, GSA Administrator



**Wyandotte Creek  
Groundwater Sustainability Agency  
Agenda Transmittal**

Agenda Item: 4

**Subject: Consider approval of Amended Resolution No. 2023-01**

**Contact: Kamie Loeser**

**Phone: 552-3595**

**Meeting Date: 8/24/2023**

**Regular Agenda**

**Department Summary:**

On July 27, 2023, the Wyandotte Creek Groundwater Sustainability Agency (WCGSA) Board of Directors held a Proposition 218 public hearing to hear any protests against the proposed Operations Fee. After closing the public hearing, the Board adopted Resolution No. 2023-01, "Consideration of Resolution Certifying Wyandotte Creek Majority Protest Process and Approving Fee and Basis for Setting the Operations Fee." Following that resolution, the Board adopted another resolution imposing reduced fees on real property within the basin for FY23-24.

After further review of Resolution No. 2023-01, GSA staff and legal counsel recommend adopting an Amended Resolution No. 2023-01 to clarify that, consistent with the Resolution's title and the Board's discussion on July 27, the WCGSA Board approved the Operations Fee at the same time that it certified the protest results. This will allow the WCGSA Board to rely on the completed Proposition 218 process and the noticed rates if and when it imposes fees in future years.

This amendment will have no effect on the fees imposed for FY23-24, nor will it determine the amount of fees actually imposed in any future years.

**Fiscal Impact:** None

**Staff Recommendation:** Approve Amended Resolution and Authorize the Chair to Sign.

# WYANDOTTE CREEK SUBBASIN GROUNDWATER SUSTAINABILITY AGENCY

## AMENDED RESOLUTION NO. 2023-01

### CONSIDERATION OF RESOLUTION CERTIFYING WYANDOTTE CREEK MAJORITY PROTEST PROCESS AND APPROVING FEE

**WHEREAS** the Wyandotte Creek Subbasin Groundwater Sustainability Agency (WCGSA) is authorized to establish an operations fee by Water Code Section 10730; and

**WHEREAS** Article XIID Section 6, the State of California's Constitution (Proposition 218) requires that public agencies place establishment of certain fees before voters in what is defined as a “majority protest” election and hearing; and,

**WHEREAS** on July 27, 2023, the WCGSA, in accordance with the provisions of Proposition 218, held a properly noticed “Majority Protest” hearing regarding the WCGSA’s proposed “Operations Fee”; and,

**WHEREAS** in accordance with the provisions of Proposition 218, the WCGSA solicited landowner comment on the proposed Operations Fee before considering fee approval; and,

**WHEREAS** in accordance with the provisions of Proposition 218, the WCGSA accepted written protests regarding the proposed Operations Fee until the conclusion of the public hearing; and,

**WHEREAS** on July 27, 2023, the WCGSA Board of Directors adopted Resolution No. 2023-01, certifying the number of written protests received, and certifying that there was not a Majority Protest against the proposed Operations Fee; and,

**WHEREAS** the WCGSA Board of Directors wishes to clarify that its adoption of Resolution No. 2023-01 included approval of the proposed Operations Fee in the maximum amounts authorized by Proposition 218; and,

**WHEREAS**, the WCGSA Board of Directors took later action to adopt Resolution No. 2023-03 setting and imposing the Operations Fee for FY23-24, and the fees for FY23-24 set by that resolution are not affected by the amendment of Resolution No. 2023-01.

**NOW, THEREFORE, THE BOARD OF DIRECTORS OF THE WYANDOTTE CREEK SUBBASIN GROUNDWATER SUSTAINABILITY AGENCY** does hereby resolve, declare and order as follows:

- 1) The WCGSA Board having reviewed the reported results of the written protests provided to it by its consultant, does hereby certify 108 written protests were submitted by affected landowners out of a possible number of 11,957.
- 2) Having reviewed the above results, the Board hereby certifies and affirms that there were not a sufficient number of written protests filed to reach the required “Majority Protest” threshold.
- 3) Therefore, in accordance with those certified results, the Board approves the Operations Fee in the maximum amounts authorized by Proposition 218.
- 4) Therefore, the Board does hereby affirm that the actual amount of Operations Fee to be imposed for FY23-24 may be adopted at this meeting as a subsequent action item on this meeting agenda.

**PASSED, APPROVED AND ADOPTED by the Board of Directors of the WYANDOTTE CREEK SUBBASIN GROUNDWATER SUSTAINABILITY AGENCY** this 24th day of August 2023.

WCGSA Board of Directors Meeting Date: August 24, 2023, Meeting Packet.

AYES:

NOES:

ABSENT:

ABSTAIN:

### **CERTIFICATE OF RESOLUTION**

We, the undersigned, hereby certify as follows:

1. That we are the Chair and Secretary of the WYANDOTTE CREEK SUBBASIN GROUNDWATER SUSTAINABILITY AGENCY; and
2. That the foregoing resolution, consisting of 2 pages, including this page, is a true and correct copy of a resolution of the Board of Directors of the Wyandotte Creek Subbasin Groundwater Sustainability Agency, passed at the meeting of the Board of Directors held on August 24, 2023, at the Oroville City Council Chambers, 1735 Montgomery Street, Oroville, CA 95965.

IN WITNESS WHEREOF, we have signed this certificate this 24th day of August 2023, at Chico, California.

\_\_\_\_\_ Bill Connelly, Chair of the Board of Directors

\_\_\_\_\_ Kamie Loeser, Secretary



**WYANDOTTE CREEK SUBBASIN GROUNDWATER SUSTAINABILITY AGENCY**

**RESOLUTION NO. 2023-01**

**CONSIDERATION OF RESOLUTION CERTIFYING WYANDOTTE CREEK MAJORITY  
PROTEST PROCESS AND APPROVING FEE**

**WHEREAS** the Wyandotte Creek Subbasin Groundwater Sustainability Agency (WCGSA) is authorized to establish an operations fee by Water Code Section 10730; and

**WHEREAS** Article XIID Section 6, the State of California's Constitution (Proposition 218) requires that public agencies place establishment of certain fees before voters in what is defined as a “majority protest” election and hearing; and,

**WHEREAS** on July 26, 2023, the WCGSA, in accordance with the provisions of Proposition 218 and Resolution No. 2023-01, held a properly noticed “Majority Protest” hearing regarding the WCGSA’s proposed “Operations Fee”; and,

**WHEREAS** in accordance with the provisions of Proposition 218, the WCGSA solicited landowner comment on the proposed Operations Fee before considering fee approval; and,

**WHEREAS** in accordance with the provisions of Proposition 218, the WCGSA accepted written protests regarding the proposed Operations Fee until the conclusion of the public hearing.

**NOW, THEREFORE, THE BOARD OF DIRECTORS OF THE WYANDOTTE CREEK SUBBASIN GROUNDWATER SUSTAINABILITY AGENCY** does hereby resolve, declare and order as follows:

- 1) The WCGSA Board having reviewed the reported results of the written protests provided to it by its consultant, does hereby certify \_\_\_ written protests were submitted by affected landowners out of a possible number of 11,957.
- 2) Having reviewed the above results, the Board hereby certifies and affirms that there were not a sufficient number of written protests filed to reach the required “Majority Protest” threshold.
- 3) Therefore, in accordance with those certified results, the Board does hereby affirm that the Operations Fee may be adopted at this meeting as a subsequent action item on this meeting agenda.

**PASSED, APPROVED AND ADOPTED by the Board of Directors of the WYANDOTTE CREEK SUBBASIN GROUNDWATER SUSTAINABILITY AGENCY** this 27th day of July 2023.

WCGSA Board of Directors Meeting Date: July 27, 2023, Meeting Packet.

AYES:

NOES:

ABSENT:

ABSTAIN:

## CERTIFICATE OF RESOLUTION

We, the undersigned, hereby certify as follows:

1. That we are the Chair and Secretary of the WYANDOTTE CREEK SUBBASIN GROUNDWATER SUSTAINABILITY AGENCY; and
2. That the foregoing resolution, consisting of 2 pages, including this page, is a true and correct copy of a resolution of the Board of Directors of the Wyandotte Creek Subbasin Groundwater Sustainability Agency, passed at the meeting of the Board of Directors held on July 27, 2023, at the Oroville City Council Chambers, 1735 Montgomery Street, Oroville, CA 95965.

IN WITNESS WHEREOF, we have signed this certificate this 27th day of July 2023, at Chico, California.

\_\_\_\_\_ Bill Connelly, Chair of the Board of Directors

\_\_\_\_\_ Kamie Loeser, Secretary



# Wyandotte Creek Groundwater Sustainability Agency Agenda Transmittal

Agenda Item: 5

**Subject: Approach to Implementation of Sustainable Groundwater Management Grant Program Funded Projects**

**Contact: Christina Buck**

**Phone: 552-3593**

**Meeting Date: 8/24/2023**

**Regular Agenda**

**Department Summary:** In December 2022, the GSA submitted a grant application to the Sustainable Groundwater Management (SGM) Grant Program to fund six components for \$7.367 million. Applications were reviewed by the Department of Water Resources (DWR) Financial Branch and a draft award list was released in May 2023 that recommended partial funding for about \$5.527 million to the GSA for the work included in the application. The component not recommended for funding was the Groundwater Recharge Feasibility Analysis and Site Evaluation project. Final awards have not yet been released but are anticipated in the next month or so. Next steps include establishing a grant agreement between the GSA and DWR, conducting a competitive process (Request for Proposals) to select consultants to conduct the work, and executing contracts with consultants for each project. Our understanding at this time is that all grant projects must be completed by mid-2026. In order to get work underway as soon as possible once final awards are announced and a grant agreement is in place, staff is seeking board direction on the approach to implement the grant funded activities.

Staff has regrouped some of the tasks from the grant application into comprehensive and cohesive projects that could be conducted under multiple consultant contracts. The attached table shows the recommended projects and their detailed tasks and budgets. These are consistent with tasks and budget numbers included in the grant applications resulting from project development last fall and Board action in November 2022. They have however been shifted around and recombined differently. In addition, some of the tasks/projects have been identified for implementation by Butte County Department of Water and Resource Conservation (DWRC). As a member agency, DWRC intends to continue to provide technical assistance related to technical aspects of the Groundwater Sustainability Plans (GSP) (monitoring, modeling, annual reports, project development) and leadership regarding inter-basin coordination throughout Butte County and the region. The attached presentation slides outline the proposed projects and approach.

The following are Proposed Projects to be implemented by the Wyandotte Creek GSA:

1. GSP Data Gaps and Refinements
2. Outreach Program
3. Regional Conjunctive Use Project

The following are Proposed Projects to be implemented by DWRC as specified in a subrecipient agreement:

1. Inter-basin Coordination and Modeling
2. Data Management System Enhancement
3. Annual Reports
4. Fee Study

The subrecipient agreement would also include grant funds for the DWRC to conduct grant administration and project management on behalf of the GSA and to provide technical assistance on Groundwater Sustainability Plan updates. The subrecipient agreement is anticipated to total \$930,000 over the grant implementation period. A subrecipient agreement with Thermalito Water and Sewer District would also be drafted for their Plant Capacity Upgrade project (\$2.318 million).

**Fiscal Impact:** None

**Staff Recommendation:** Provide direction to staff to begin Request for Proposals process and drafting the subrecipient agreements for the Proposed Projects, once DWR announces final awards.

**Proposed Projects- SGM Grant Program Draft Awards**

v. 8/16/2023

**Wyandotte Creek GSA Projects (thru grant agreement with DWR)**

#	Project Title	Tasks	Budget	Project Total
1	GSP Data Gaps and Refinements	Develop Approach for Interconnected Surface Water SMC	\$ 200,000	\$ 1,808,750
		Five-Year GSP Evaluation Report	\$ 175,000	
		Landowner Access Agreement/Site Access		
		Multi-Completion Monitoring Wells Planning		
		Shallow Wells and Stream Gages Planning	\$ 70,000	
		Multi-Completion Monitoring Wells Installation		
		Shallow Wells and Stream Gages Installation	\$ 1,200,000	
		Groundwater Dependent Ecosystem Biological Field Surveys		
		Create Community Monitoring Plan and Equip Volunteer Wells with Monitoring Equipment		
		Community Monitoring Data and Visualization	\$ 118,750	
Community Monitoring Program Engagement and Education				
Inter-basin Coordination- Monitoring Network	\$ 45,000			
2	Outreach Program	Outreach and Education Program		\$ 90,000
		Inter-basin Coordination	\$ 70,000	
		Grower Education and Outreach	\$ 20,000	
3	Regional Conjunctive Use Project	Intra-Basin Water Exchange Feasibility Study: Planning and Feasibility		\$ 380,000
		Agricultural Surface Water Supplies Feasibility Study: Planning and Feasibility		
		Agricultural Irrigation Efficiency Piloting Program: Planning and Feasibility	\$ 280,000	
		Agricultural Irrigation Efficiency Pilot Program	\$ 100,000	
<b>Sub-Total</b>				<b>\$ 2,278,750</b>

**Butte County Water and Resource Conservation Projects (thru Subrecipient Agreement w/ GSA)**

#	Project Title	Tasks	Budget	Project Total
1	Interbasin Coordination and Modeling*	Sac River- Inter-basin Coordination - Joint Analysis & Eval. of GSPs	\$ 190,000	
		Feather R- Inter-basin Coordination - Joint Analysis & Eval. of GSPs	\$ 190,000	
		Update Butte Basin Groundwater Model (BBGM)	\$ 100,000	
		Stakeholder Outreach	\$ 10,000	\$ 490,000
2	DMS Enhancement	Data Management System (DMS) Enhancements		\$ 125,000
3	Annual Reports	Prepare Annual Reports (2022, 2023, 2024, 2025)		\$ 155,000
4	Fee Study	Conduct a Fee Study for Long-term Financing of the Wyandotte Creek GSA		\$ 100,000
5	Grant Administration	Grant admin, reporting, invoicing, project management		\$ 200,000
6	Technical Assistance to Support GSP Updates			
		Develop Approach for ISW SMC/Five-Year GSP Evaluation Report		\$ 100,000
<b>Subrecipient Total</b>				<b>\$ 930,000</b>

\* Note: Project funded in part by Vina grant and Wyandotte Creek grant. Wyandotte Creek share is \$250,000



# Approach to Implementation of SGM Grant Program Funded Projects

Christina Buck  
 Wyandotte Creek GSA Board  
 August 24, 2023

## Wyandotte Creek- Draft Award

#	Component Name	Task #	Task Title	Budget	Budget Category
1	Grant Administration		Grant Administration	\$ 200,000	
2	GSP Implementation, Outreach, and Inter-basin Coordination Activities			\$ 1,175,000	Total
		1	Conduct a Fee Study for Long-term Financing of the Wyandotte Creek GSA	\$ 100,000	b
		2	Prepare Annual Reports (2022, 2023, 2024, 2025)		d
		3	Response to DWR GSP Determination		d
		4	Develop Approach for Interconnected Surface Water Sustainable Management Criteria (ISW SMC)		d
		5	Five-Year GSP Evaluation Report		d
		6	Update Butte Basin Groundwater Model (BBGM)		d
		7	Data Management System (DMS) Enhancements		d
		8	Inter-basin Coordination - Conducting Joint Analysis and Evaluation of GSPs	\$ 1,005,000	d
		9	Outreach and Education Program		e
		10	Inter-basin Coordination	\$ 70,000	e
3	Regional Conjunctive Use Project			\$ 400,000	Total
		1	Intra-Basin Water Exchange Feasibility Study: Planning and Feasibility		b
		2	Agricultural Surface Water Supplies Feasibility Study: Planning and Feasibility		b
		3	Agricultural Irrigation Efficiency Piloting Program: Planning and Feasibility	\$ 280,000	b
		4	Agricultural Irrigation Efficiency Pilot Program	\$ 100,000	c
		5	Grower Education and Outreach	\$ 20,000	e
4	Monitoring Network Enhancements			\$ 1,433,750	Total
		1	Landowner Access Agreement/Site Access		b
		2	Multi-Completion Monitoring Wells Planning		b
		3	Shallow Wells and Stream Gages Planning	\$ 70,000	b
		4	Multi-Completion Monitoring Wells Installation		c
		5	Shallow Wells and Stream Gages Installation	\$ 1,200,000	c
		6	GDE Biological Field Surveys		d
		7	Create Community Monitoring Plan and Equip Volunteer Wells with Monitoring Equipment		d
		8	Community Monitoring Data and Visualization	\$ 118,750	d
		9	Community Monitoring Program Engagement and Education		e
		10	Inter-basin Coordination	\$ 45,000	e
5	Thermalito Water Treatment Plant Capacity Upgrade			\$ 2,318,534	Total
		1	Construction		c
				\$ 5,527,284	TOTAL AWARD

# The Work Ahead

## Phase 1: Next 6 months

- Confirm Projects and role of implementing agencies
- Establish Grant Agreement with DWR (GSA<->DWR)
- Establish Subrecipient agreements
- Release project specific Request for Proposals (RFPs), establish/coordinate selection committees, select consultants, and execute contracts

## Phase 2: Early 2024 thru Spring 2026

- Ongoing project management (coordinate with consultant/Management Committee/WAC/Board, project outreach, grant reporting/invoicing)

Staff recommends Butte County manages the grant and provides project management (funded by the grant) on behalf of the GSA

# Proposed Projects

1. GSP Data Gaps and Refinements
  2. Outreach Program
  3. Regional Conjunctive Use Project
  4. Interbasin Coordination and Modeling
  5. Data Management System (DMS) Enhancements
  6. Fee Study and Annual Reports
- 
- Wyd Crk  
GSA
- Dept. of  
Water &  
Resource  
Conservation

## GSA Projects

Project Title	Tasks	Budget	Project Total
GSP Data Gaps and Refinements	Develop Approach for Interconnected Surface Water SMC	\$ 200,000	
	Five-Year GSP Evaluation Report	\$ 175,000	
	Landowner Access Agreement/Site Access		
	Multi-Completion Monitoring Wells Planning		
	Shallow Wells and Stream Gages Planning	\$ 70,000	
	Multi-Completion Monitoring Wells Installation		
	Shallow Wells and Stream Gages Installation	\$ 1,200,000	
	Groundwater Dependent Ecosystem Biological Field Surveys		
	Create Community Monitoring Plan and Equip Volunteer Wells with Monitoring Equipment		
	Community Monitoring Data and Visualization	\$ 118,750	
Community Monitoring Program Engagement and Education			
Inter-basin Coordination- Monitoring Network	\$ 45,000	<b>\$ 1,808,750</b>	
Outreach Program	Outreach and Education Program		
	Inter-basin Coordination	\$ 70,000	
	Grower Education and Outreach	\$ 20,000	<b>\$ 90,000</b>
Regional Conjunctive Use Project	Intra-Basin Water Exchange Feasibility Study: Planning and Feasibility		
	Agricultural Surface Water Supplies Feasibility Study: Planning and Feasibility		
	Agricultural Irrigation Efficiency Piloting Program: Planning and Feasibility	\$ 280,000	
	Agricultural Irrigation Efficiency Pilot Program	\$ 100,000	<b>\$ 380,000</b>
	<b>Sub-Total</b>		<b>\$ 2,278,750</b>

## Butte County Projects

As a member agency and partner with the GSA, Butte County would implement these projects. The projects would be managed by Butte County Department of Water and Resource Conservation Staff.

1. Inter-basin Coordination and Modeling - for Vina and Wyandotte Creek (\$490K)
2. Data Management System Enhancements (\$125K)
3. Annual Reporting – existing contract with Luhdorff & Scalmanini (LSCE) (\$155K)
4. Fee Study – existing contract with LSCE (\$100K)

# 1. Inter-basin Coordination and Modeling

Sac River- Inter-basin Coordination - Conducting Joint Analysis and Evaluation of GSPs	190,000	
Feather R- Inter-basin Coordination - Conducting Joint Analysis and Evaluation of GSPs	200,000	
Update Butte Basin Groundwater Model (BBGM)	100,000	
Stakeholder Outreach	xxxx	<b>\$ 490,000</b>

Note: Wvd Creek grant share is \$250,000

## Proposed GSA Subrecipient Agreement with Butte County

- Specifies the tasks/deliverables within the DWR Grant Agreement that will be implemented by Butte County. It outlines the associated budget, deliverables, and schedule of those projects.

### Agreement to Include:

1. Project Management and Grant Administration (\$200K)
2. Technical Assistance to support GSP Updates (\$100K)
3. Inter-basin Coordination and Modeling (\$250K)
4. Data Management System Enhancements (\$125K)
5. Annual Reporting and Fee Study (\$155K and \$100K)

Total Agreement Amount: \$930,000



## Subrecipient Agreement with Thermalito Water and Sewer District (TWSD)

- Project: TWSD Plant Capacity Upgrade (\$2.318M)

## Recommended Board Action

- Confirm Proposed Projects for GSA and Butte County (see summary table)
- Provide direction to staff to begin RFP process and drafting the subrecipient agreements once DWR announces final awards

## Buck, Christina

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**From:** Ostrovskiy, Nikolay <NOstrovskiy@buttecounty.net>

**Sent:** Friday, July 28, 2023 2:12 PM

**Subject:** Well Permit Data through Q3 of Water Year 2023

Hello,

Attached is the well permit summary report which includes data through Quarter 3 of Water Year 2023 (April 1, 2023 – June 30, 2023). Please note that our office continues with data clean-up efforts that started in 2020 which will be reflected in the increase of water well permit finals.

Highlights for this quarter:

- Decrease in destruction/repair/deepening permits
- Data indicates decrease of reported dry wells compared to previous quarter (only 1 dry well reported).
- Data indicates majority of dry wells occurring in Chico with average well depth of 108 feet.
- Majority of new wells subject to Executive Order N-7-22 (Drought Order) appear to be within the Butte Subbasin (areas of Nelson, Richvale, Biggs and Gridley).

Feel free to contact me if you have any questions.

Thank you,

**Nikolay Ostrovskiy**

Program Manager, Land Use & Solid Waste

[BUTTE COUNTY PUBLIC HEALTH](#)

202 Mira Loma Drive | Oroville, CA 95965

T: 530.552.3869 | M: 530.712.1079

*"Nationally Accredited, 09/13/17"*

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**Butte County Public Health Department  
Environmental Health Division**

# **Well Permit Summary**

**Quarter 3 (April 1, 2023 – June 30, 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.

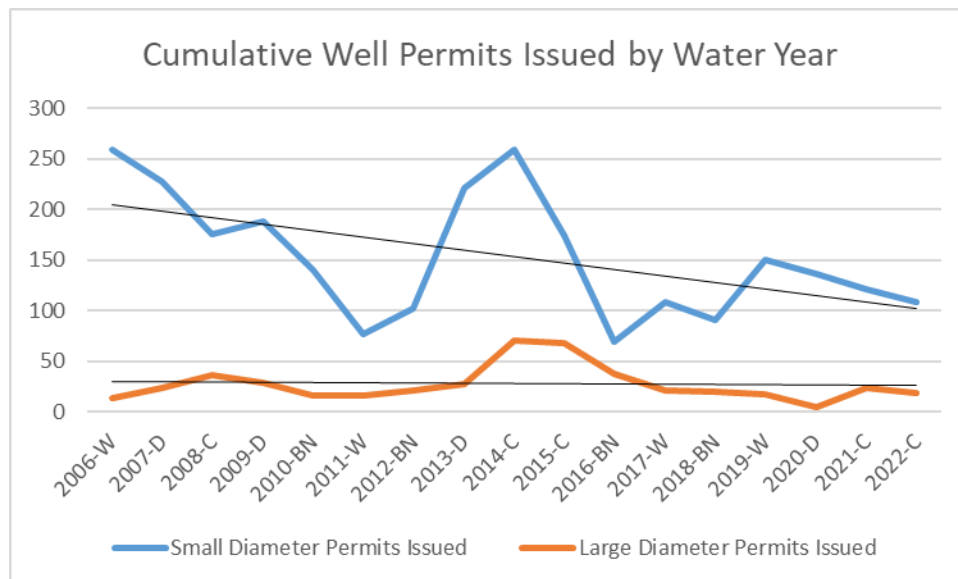
**Dry Well** – Well that is no longer producing water or has reduced production to a point where it can no longer sustain a residence (< 1 gpm).

**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.

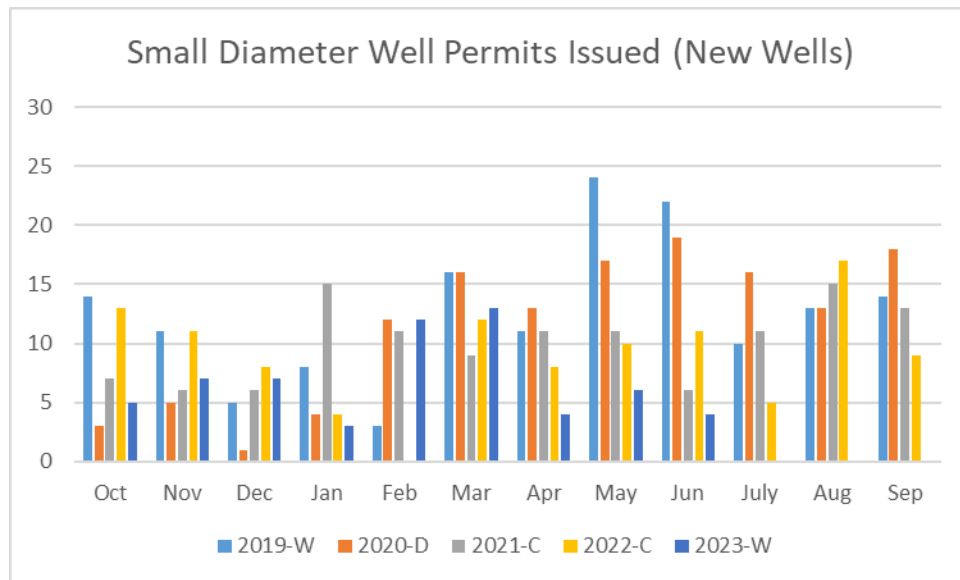
## Cumulative Well Permit Data

<b>Cumulative (WY) Well Permits Issued</b>		
<b>Water Year</b>	<b>Small Diameter Permits Issued</b>	<b>Large Diameter Permits Issued</b>
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-W	61	17



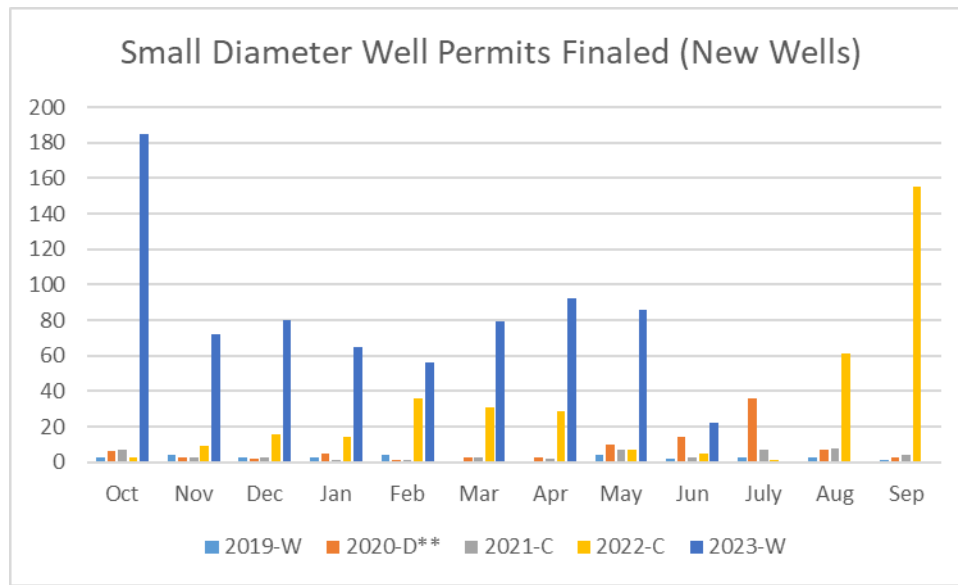
## Small Diameter Well Permit Data - Issued

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep	Total
<b>2015-C</b>	18	7	6	15	11	22	27	15	13	18	17	6	175
<b>2016-BN</b>	4	5	7	6	8	17	9	12	16	14	12	3	113
<b>2017-W</b>	7	7	5	2	8	19	19	17	17	5	2	1	109
<b>2018-BN</b>	6	3	2	3	6	4	10	13	12	10	13	9	91
<b>2019-W</b>	14	11	5	8	3	16	11	24	22	10	13	14	151
<b>2020-D</b>	3	5	1	4	12	16	13	17	19	16	13	18	137
<b>2021-C</b>	7	6	6	15	11	9	11	11	6	11	15	13	121
<b>2022-C</b>	13	11	8	4	0	12	8	10	11	5	17	9	108
<b>2023-W</b>	5	7	7	3	12	13	4	6	4				61



## 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-W	185	72	80	65	56	79	92	86	22				737	

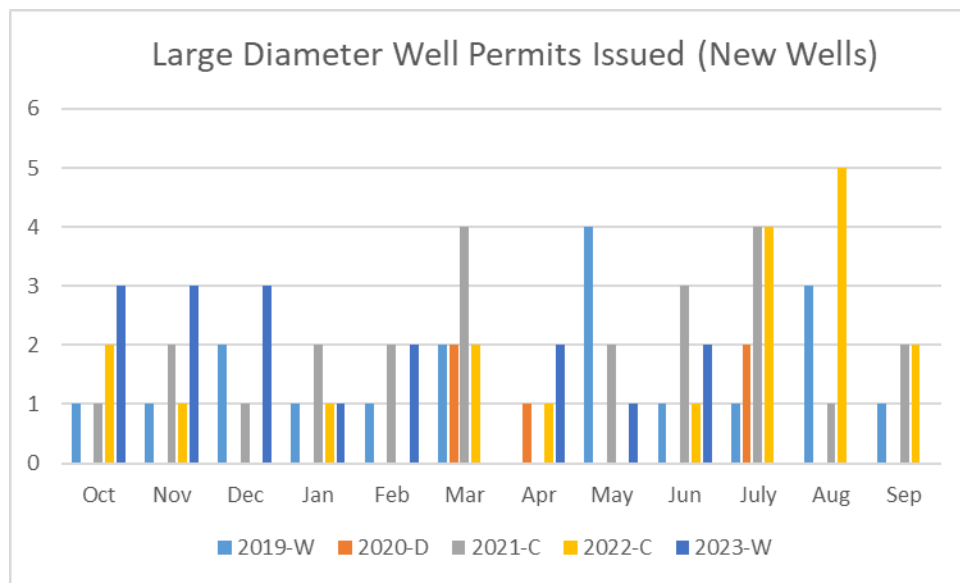


\*\*Water Year 2020 and forward - Implemented improvements to the well permit process and working on backlog status updates.



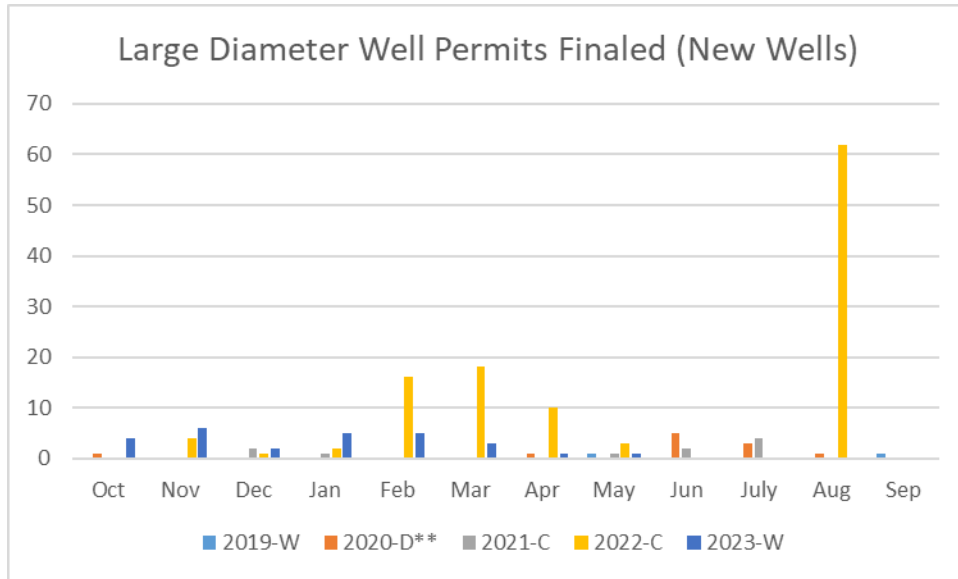
## Large Diameter Well Permit Data - Issued

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep	Total
<b>2015-C</b>	5	7	4	1	4	7	6	1	5	14	11	3	68
<b>2016-BN</b>	5	5	5	5	4	2	2	3	1	1	2	3	38
<b>2017-W</b>	1	0	1	2	2	3	3	2	2	0	5	0	21
<b>2018-BN</b>	1	3	0	0	0	3	1	2	1	4	2	3	20
<b>2019-W</b>	1	1	2	1	1	2	0	4	1	1	3	1	18
<b>2020-D</b>	0	0	0	0	0	2	1	0	0	2	0	0	5
<b>2021-C</b>	1	2	1	2	2	4	0	2	3	4	1	2	24
<b>2022-C</b>	2	1	0	1	0	2	1	0	1	4	5	2	19
<b>2023-W</b>	3	3	3	1	2	0	2	1	2				17



## Large Diameter Well Permit Data – Finaled

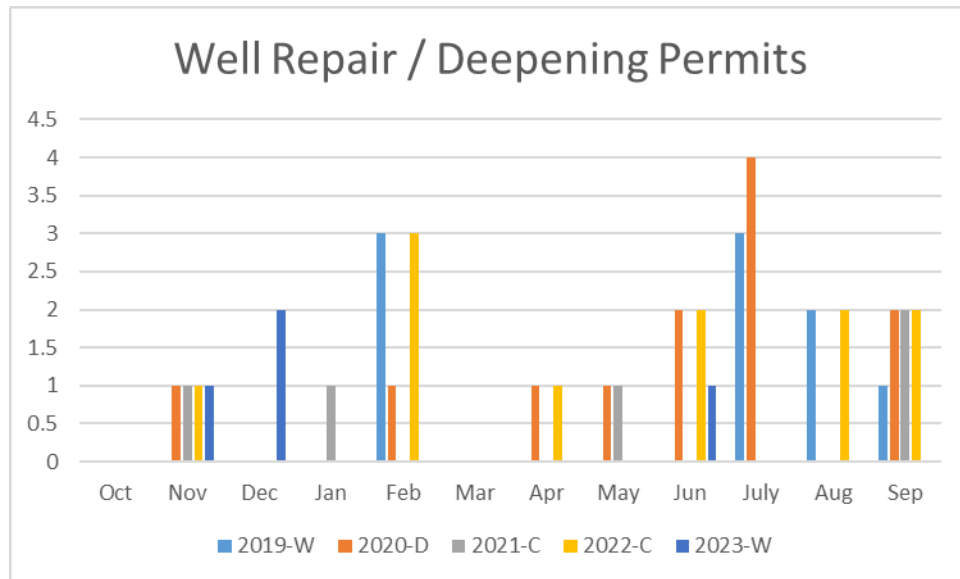
Water Year	Large Diameter Well Permits Finaled (New Wells)												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep	Total
2016-BN	2	0	0	0	0	0	0	0	0	1	0	0	3
2017-W	0	0	0	0	0	0	0	0	0	2	0	0	2
2018-BN	0	0	0	1	0	0	1	0	1	0	4	0	7
2019-W	0	0	0	0	0	0	0	1	0	0	0	1	2
2020-D**	1	0	0	0	0	0	1	0	5	3	1	0	11
2021-C	0	0	2	1	0	0	0	1	2	4	0	0	10
2022-C	0	4	1	2	16	18	10	3	0	0	62	0	116
2023-W	4	6	2	5	5	3	1	1	0				27



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

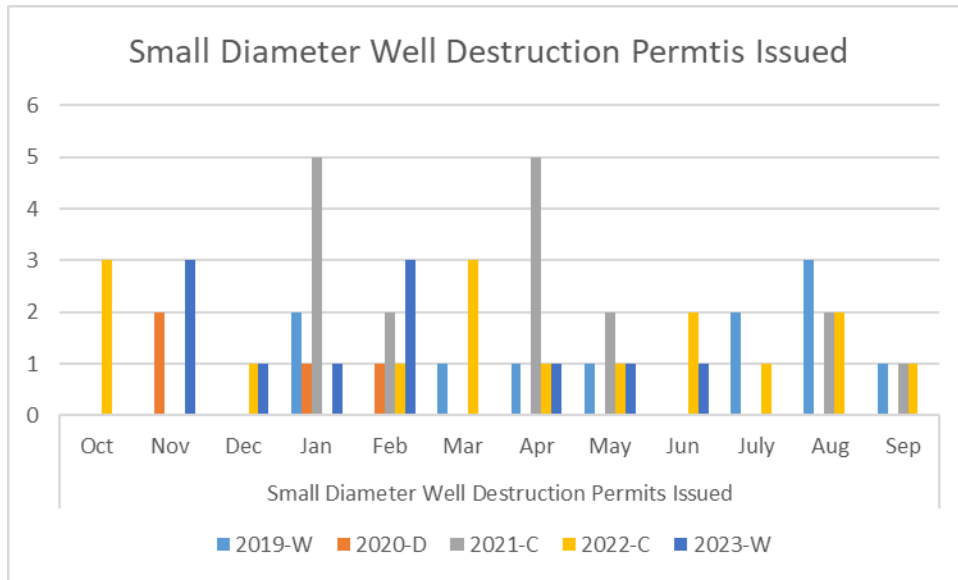
## Well Repair and Deepening Data

	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	1	2	4	0	12
2021-C	0	1	0	1	0	0	0	0	1	0	0	0	5
2022-C	0	1	0	0	3	0	1	0	2	0	2	2	11
2023-W	0	1	2	0	0	0	0	0	1				4



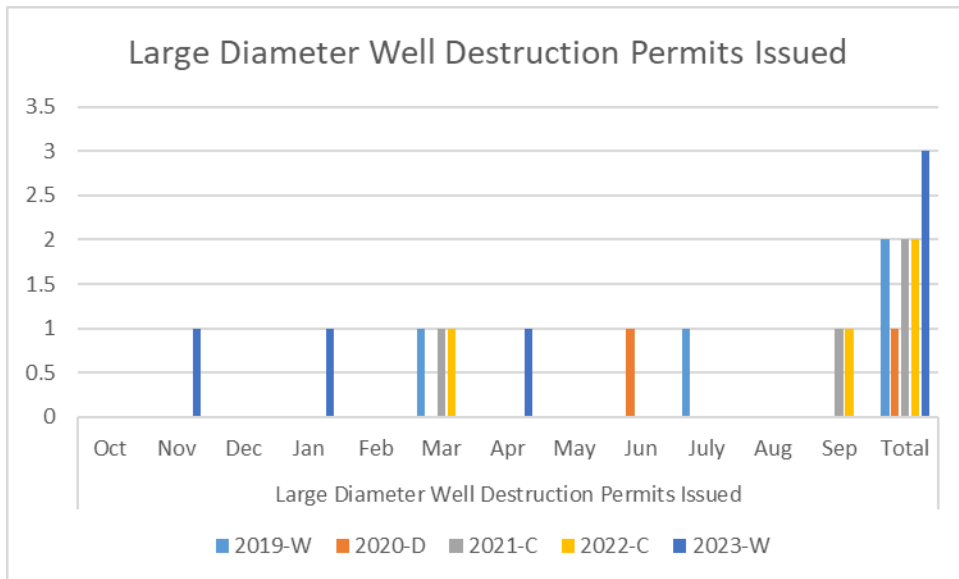
## Well Destruction Data – Small Diameter Wells

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	4	1	0	8
2018-BN	0	0	3	0	0	0	0	0	0	1	1	0	5
2019-W	0	0	0	2	0	1	1	1	1	0	2	3	11
2020-D	0	2	0	1	1	0	0	0	0	0	0	0	4
2021-C	0	0	0	5	2	0	5	2	0	0	2	1	17
2022-C	3	0	1	0	1	3	1	1	2	1	2	1	16
2023-W	0	3	1	1	3	0	1	1	1	1			11



## 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	0	1	0	0	1
2021-C	0	0	0	0	0	1	0	0	0	0	0	1	2
2022-C	0	0	0	0	0	1	0	0	0	0	0	1	2
2023-W	0	1	0	1	0	0	1	0	0	0			3



## 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	0	2	3	4	2	14
2023-W	2	2	0	0	2	0	0	0	1	0				7

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-W	0	0	0	0	0	0	0	0	0	0			0

Dry well data started being collected August 2021.

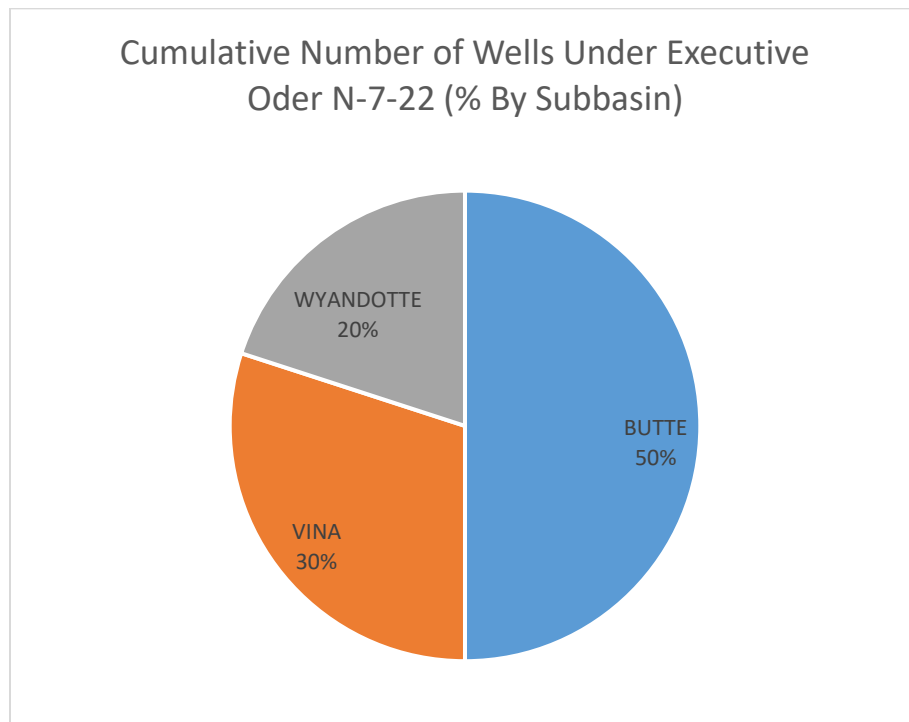
Cumulative Dry Wells by Water Year		
Water Year	Small Diameter Dry Wells	Large Diameter Dry Wells
2021-C	18	1
2022-C	14	0
2023-W	7	0

Cumulative Dry Wells By City	
Chico	21
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

<b>Cumulative Number of Wells Under Executive Oder N-7-22</b>			
<b>By Subbasin</b>	<b>Small Diameter</b>	<b>Large Diameter</b>	<b>Totals</b>
BUTTE	0	20	20
VINA	4	8	12
WYANDOTTE	1	7	8
			<b>40</b>
<b>By GSA</b>	<b>Small Diameter</b>	<b>Large Diameter</b>	<b>Totals</b>
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
			<b>40</b>





### Sutter Butte Flood Control Agency

Post Office Box M  
Yuba City, CA 95992  
(530) 755-9859

sutterbutteflood.org

### COUNTIES

Butte County  
Sutter County

### CITIES

City of Biggs  
City of Gridley  
City of Live Oak  
City of Yuba City

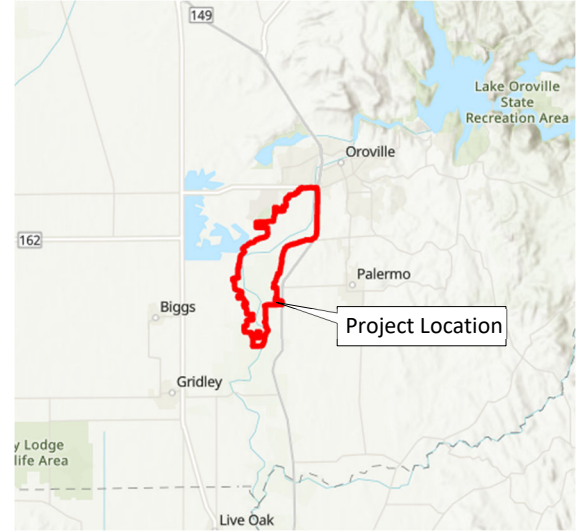
### LEVEE DISTRICTS

Levee District 1  
Levee District 9

# Oroville Wildlife Area Robinson's Riffle Restoration Project

## Project Area

The project area includes the Oroville Wildlife Area (OWA) in Butte County, California as well as the South Oroville Industrial Area located east of the Feather River.



## Background

The OWA was used for gold dredging operations between 1898 and 1930 and then as a borrow source for the construction of Oroville Dam in the 1960s. Following the dredging activities and construction of the dam, most of the vital topsoil was removed and the mine tailings were configured into berms to keep the Feather River separated from these areas. To this day, the existing landscape continues to constrict flood flows, thereby diminishing fish and avian habitat and exacerbating flooding in the South Oroville Industrial Area.

## Project Description

The project is a multi-benefit initiative to restore the OWA to a naturalized floodplain surface by improving the activation of side channels and removing obsolete berms and tailing piles. The project is in the planning phase in which an alternatives analysis will be conducted to identify a preferred alternative that provides the most hydraulic, ecological, and recreational benefits. The preferred alternative will be developed in coordination with established/interested stakeholders and resource agencies through individual meetings and a series of workshops to build consensus support for moving the project forward through the planning stages and eventual construction.



Figure 1: OWA A-Unit to the West (Left) and South Oroville Industrial Area to the East (Right) of the Feather River



## Primary Goals

- **Reduce Flood Stages** – Reduce 100- and 200-year flood stages in the Feather River main channel.
- **Floodplain Restoration** – Restore and reestablish the floodplain within the OWA to recover key ecosystem processes and self-sustaining ecological functions.
- **Improve Recreational and Educational Opportunities** – Increase public access and improve various recreational and educational opportunities.



Figure 2: Tailing Piles within the OWA F-Unit

## Supporting Goals

- **Improve Flood Risk Management** – Decrease flood hazards and improve overall flood system function, flexibility, and resiliency to climate change.
- **Serve Disadvantage Communities** – Provide hydraulic, ecological, recreational, flood management, and educational benefits to disadvantaged communities.
- **Increase Economic Activity** – Stimulate the local economy through short- and long-term construction activities and improved recreational opportunities.

## Funding and Project Costs

Funding has been awarded by both California Department of Water Resources (DWR) and California Department of Fish and Wildlife (CDFW) for the planning, design, and permitting of the project. The Wildlife Conservation Board (WCB) has awarded funding for the design, permitting, and construction of recreational improvements at the Thermalito Afterbay Outlet. CDFW under the Federal Sport Fish Restoration Act (SFRA) is currently in the process of finalizing the grant agreement that would provide additional funding for the Thermalito Afterbay Outlet. See table below for funding breakdown.

Grantor	Fund Source	Description	Cost
DWR	Floodplain Management, Protection, and Risk Awareness (FMPRA) Program	Planning hydraulic modeling and alternatives evaluation for the OWA Robinson’s Riffle Restoration Project	\$1,144,800
CDFW	Watershed Restoration Grants Branch	Design and permitting of the floodplain elements of the OWA Robinson’s Riffle Restoration Project	\$2,115,000
WCB	Proposition 68	Design, permitting, and construction of recreational improvements at the Thermalito Afterbay Outlet	\$4,415,000
CDFW/ USFWS	Sport Fish Restoration Act	Design, permitting, and construction of recreational improvements at the Thermalito Afterbay Outlet	\$3,306,000
<b>Total</b>			<b>\$10,980,800</b>

The current funding need is approximately \$40,000,000, which is the cost associated with construction of the project. This estimate will be further refined as the planning and design efforts move forward.