

ICF. 2020. Technical Memorandum to File: Sites Reservoir Minerals Information

Chapter 13 Minerals

This memorandum contains information on natural gas fields, natural gas wells, aggregate mines and chrome mines.

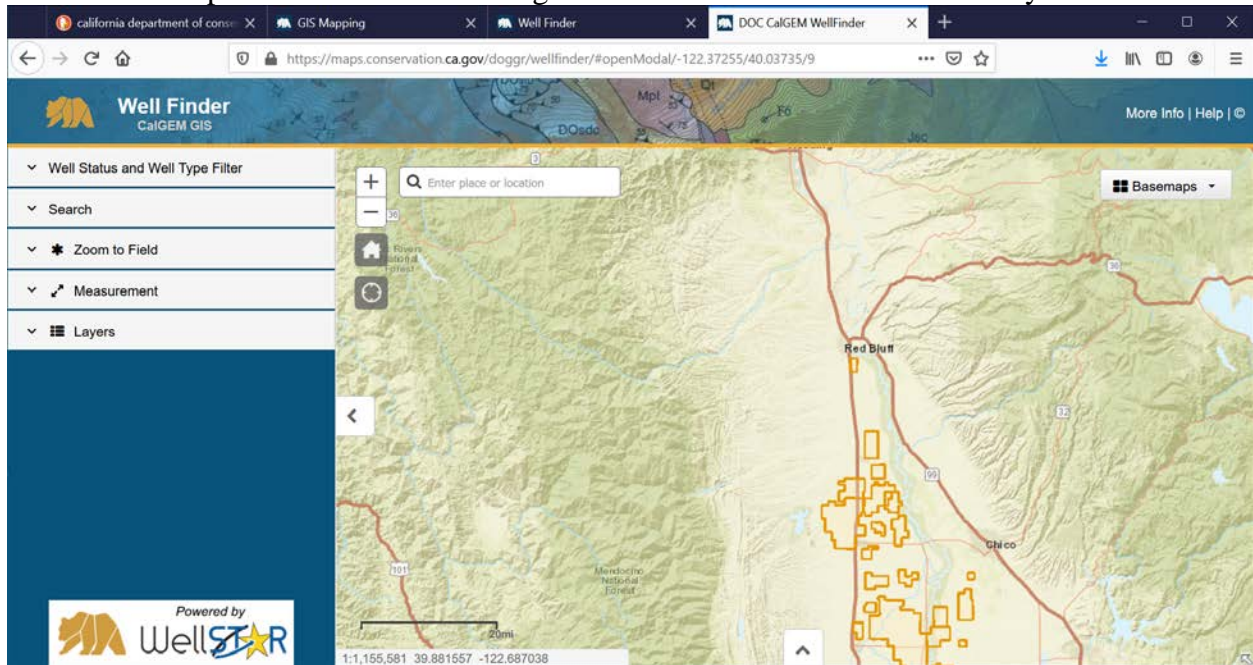
Natural Gas

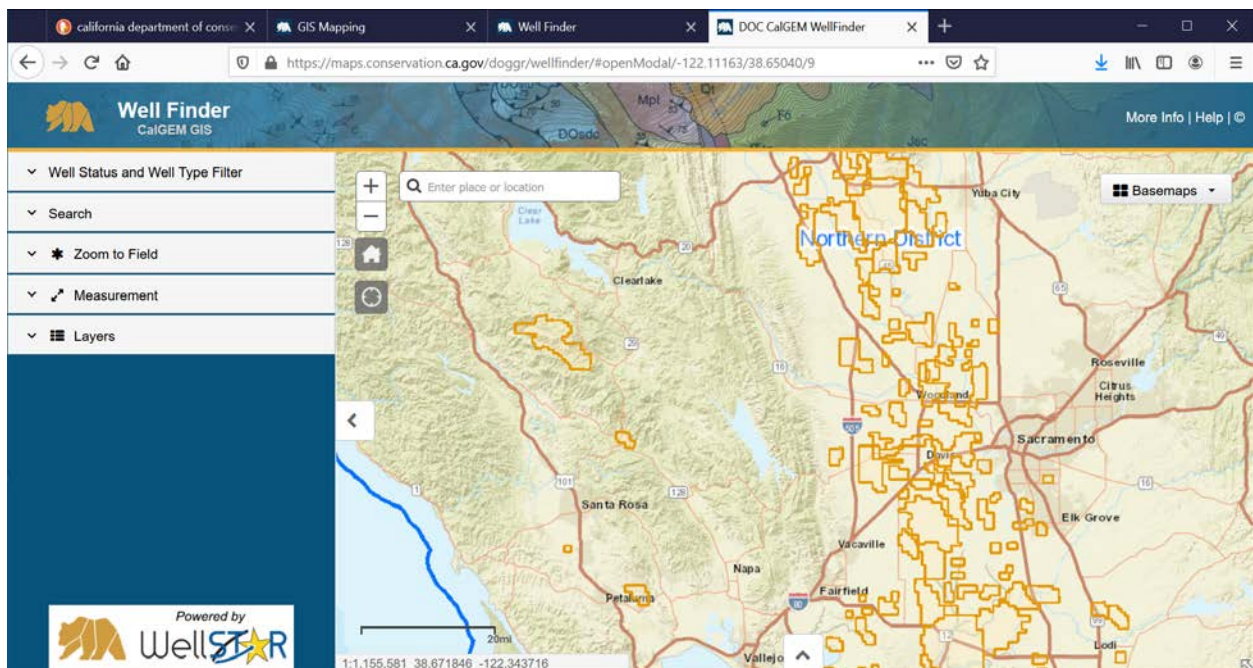
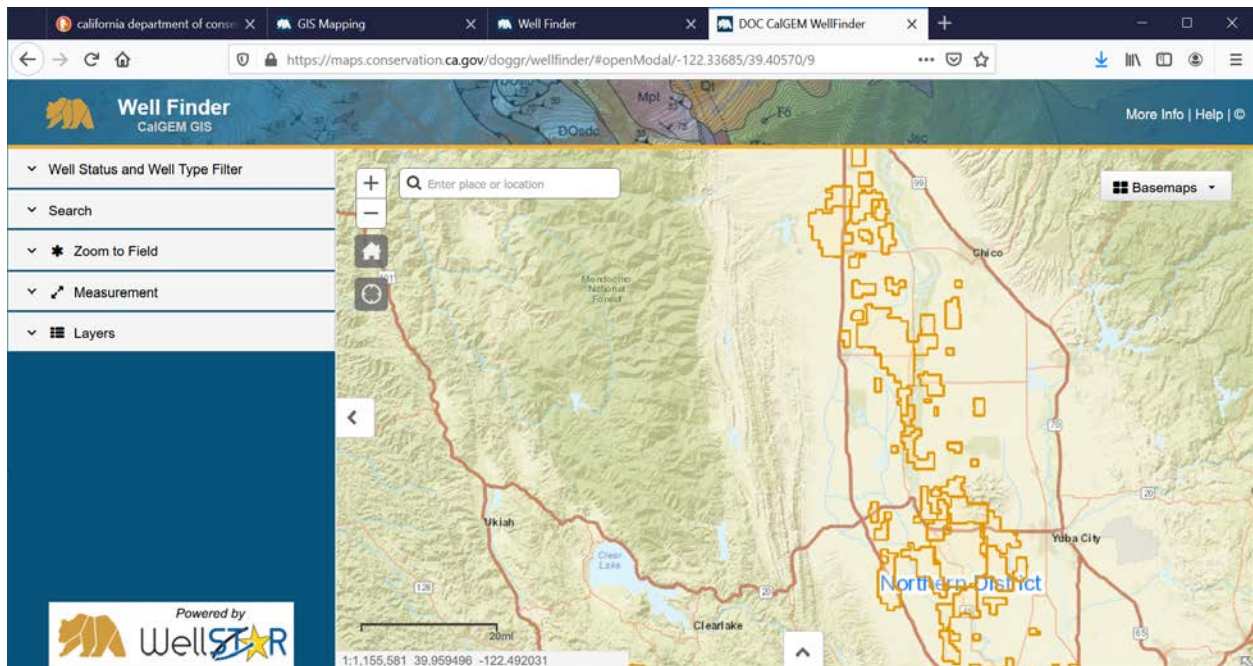
Natural Gas Fields

From CalGEM Well Finder GIS

<https://maps.conservation.ca.gov/doggr/wellfinder/#/>

Three screen captures below: No natural gas fields occur in the reservoir vicinity.



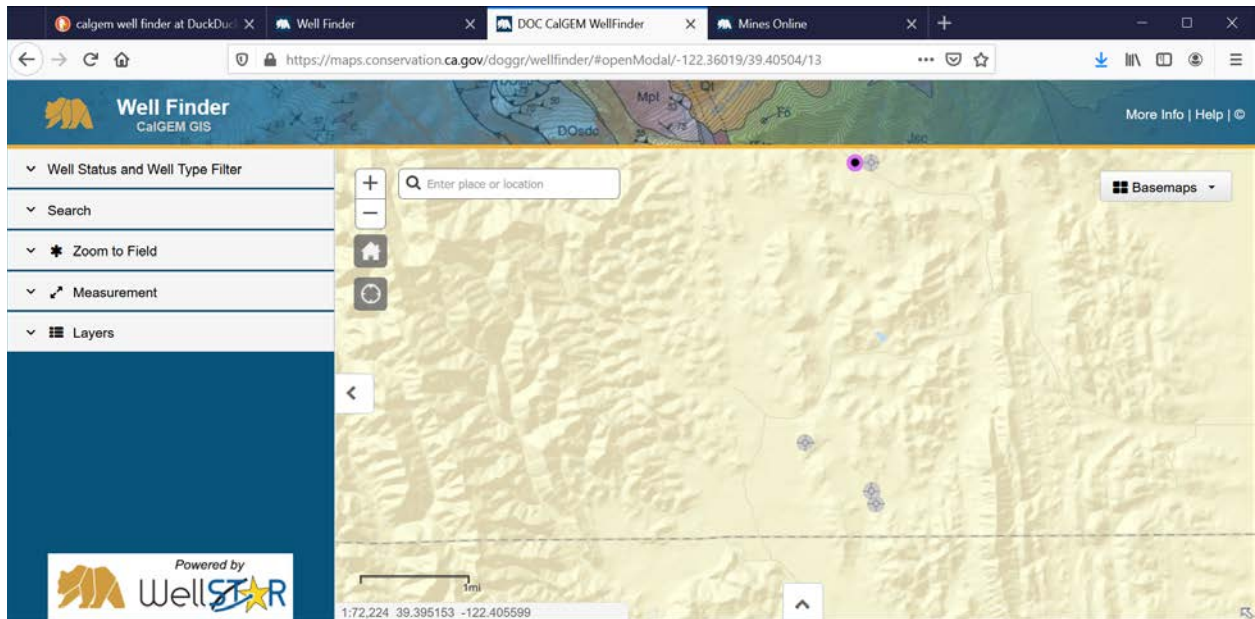
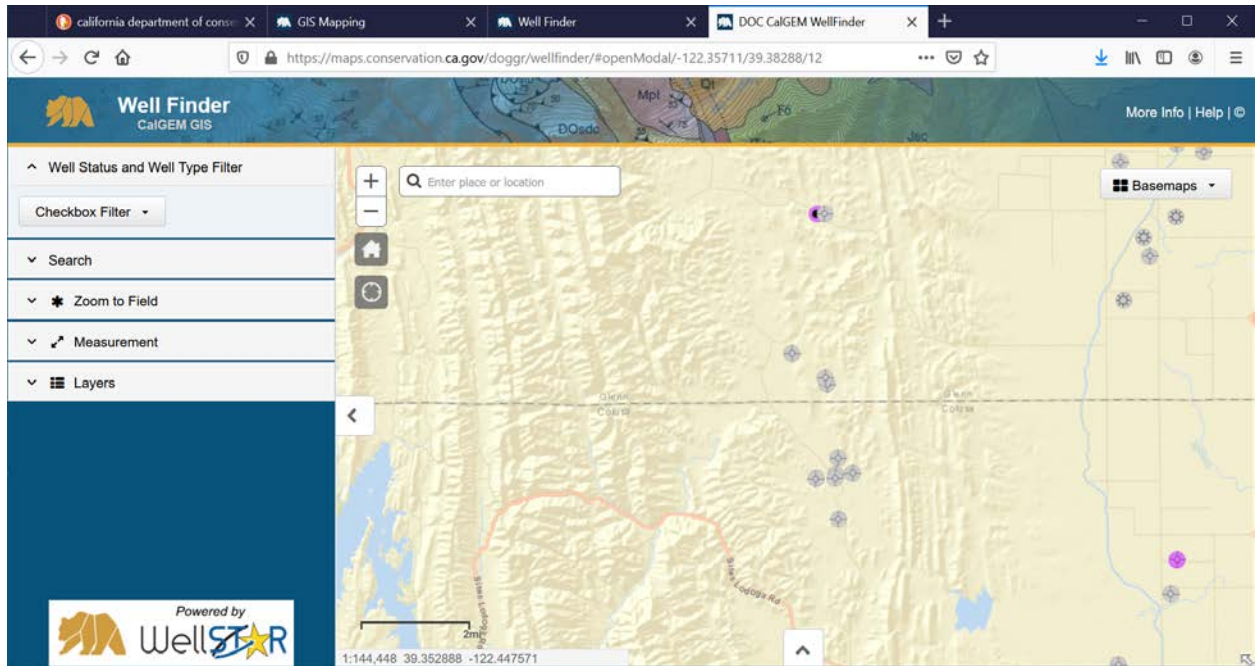


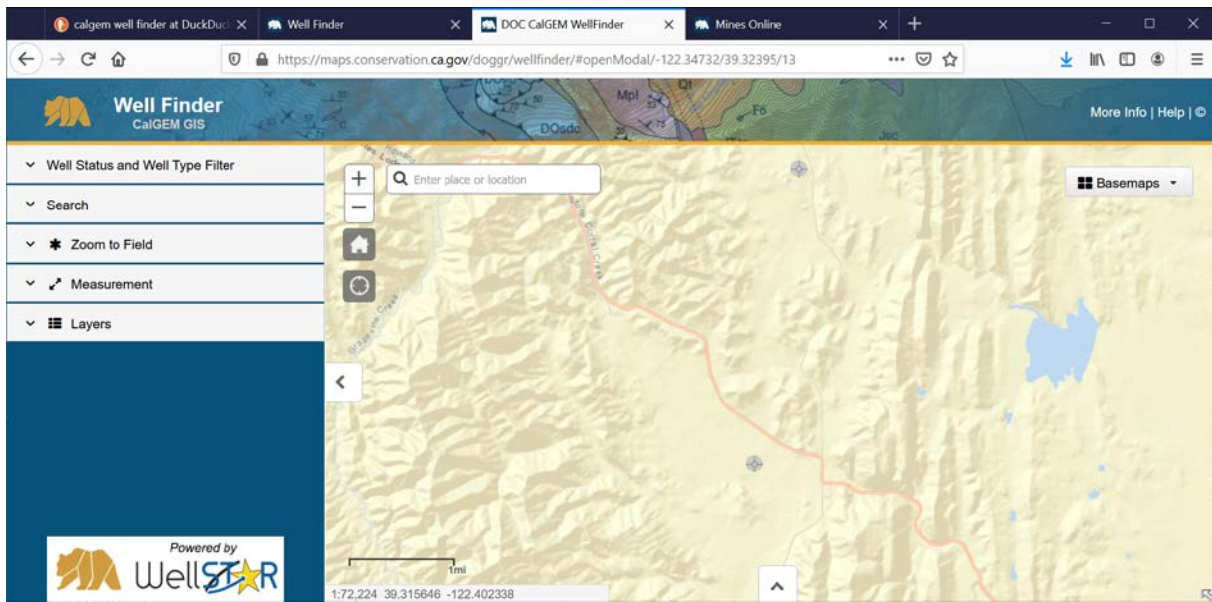
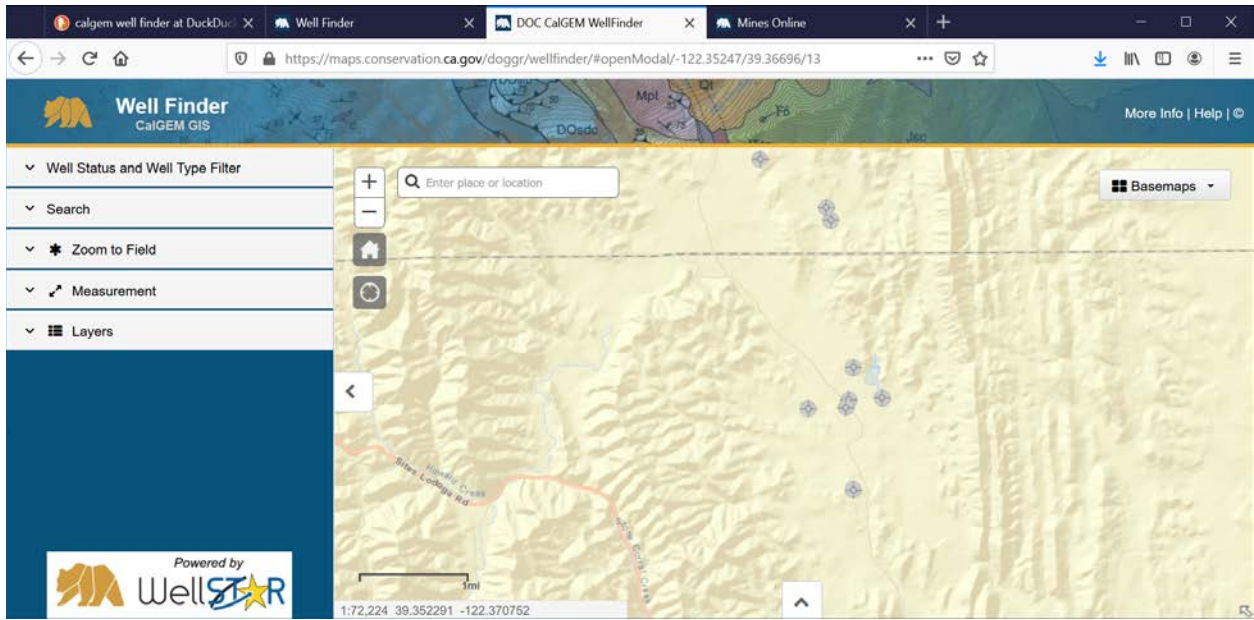
Natural Gas Wells

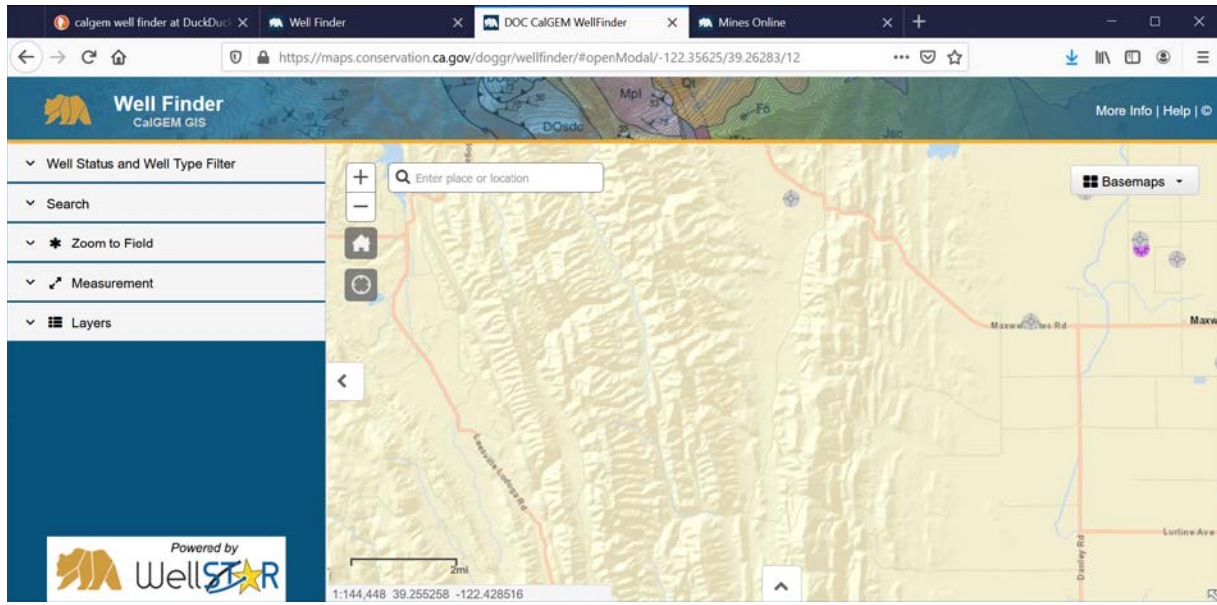
From CalGEM Well Finder GIS

<https://maps.conservation.ca.gov/doggr/wellfinder/#/>

There are 10 dry, plugged wells within the proposed reservoir inundation zone. There is also one active well (idle; Tulainyo 2-7) to the northeast of the proposed reservoir inundation zone and there is another dry, plugged well immediately adjacent to the idle well.







Information on wells from the above screen captures. Listed north to south.
Glenn County

Outside Reservoir Inundation Zone

API: 0402121061
 Well Number: 2-7
 Status: Idle
 Type: Oil & Gas
 Lease Name: Tulainyo
 Operator: California Resources Production Corporation
 October 2, 2020: Drilled in December 2017; not active at present.

API: 0402121056
 Well Number: 1
 Status: Plugged
 Type: Dry Hole
 Lease Name: Tulainyo
 Operator: California Resources Production Corporation

Within Reservoir Inundation Zone

API: 0402100064
 Well Number: 1
 Status: Plugged
 Type: Dry Hole
 Lease Name: Cal-L-Anderson
 Operator: Cal-L Expl. Corp.

API: 0402120057
Well Number: 1
Status: Plugged
Type: Dry Hole
Lease Name: Anderson
Operator: National Oil & Gas, Inc.

API: 0402100063
Well Number: 2
Status: Plugged
Type: Dry Hole
Lease Name: Cal-L-Anderson
Operator: Cal-L Expl. Corp.

Colusa County

Within Reservoir Inundation Zone

API: 0401120010
Well Number: 1
Status: Plugged
Type: Dry Hole
Lease Name: Lar-Don Peterson
Operator: James H. Dondich

API: 0401100367
Well Number: 1
Status: Plugged
Type: Dry Hole
Lease Name: Nieta Peterson
Operator: Chevron U.S.A. Inc.

API: 0401100369
Well Number: 1
Status: Plugged
Type: Dry Hole
Lease Name: Lease by Conoco Inc.
Operator: Conoco Inc.

API: 0401100368
Well Number: 1-A
Status: Plugged
Type: Dry Hole
Lease Name: Lease by Conoco Inc.
Operator: Conoco Inc.

API: 0401100366
Well Number: 1
Status: Plugged
Type: Dry Hole
Lease Name: Peterson
Operator: Russell Cobb, Jr., Inc.

API: 0401100374
Well Number: 1
Status: Plugged
Type: Dry Hole
Lease Name: Neita Peterson
Operator: Langford Oil & Gas Co.

South of Sites Lodoga Road
API: 0401100359
Well Number: 1
Status: Plugged
Type: Dry Hole
Lease Name: Sites
Operator: Chevron U.S.A. Inc.

Aggregate Mines

From Mines Online (MOL) map

<https://maps.conservation.ca.gov/mol/index.html>

There are six aggregate mines in the area identified in 'Figure PD02-41_Offsite_QuarryAreas' as 'Borrow Area for Filter, Drain, and Transition Materials and Concrete Aggregate' (first image below). The arc encompassing these six mines begins immediately northeast of Willows, extends north, then northwest crossing Interstate-5 and then terminates west of Orland.

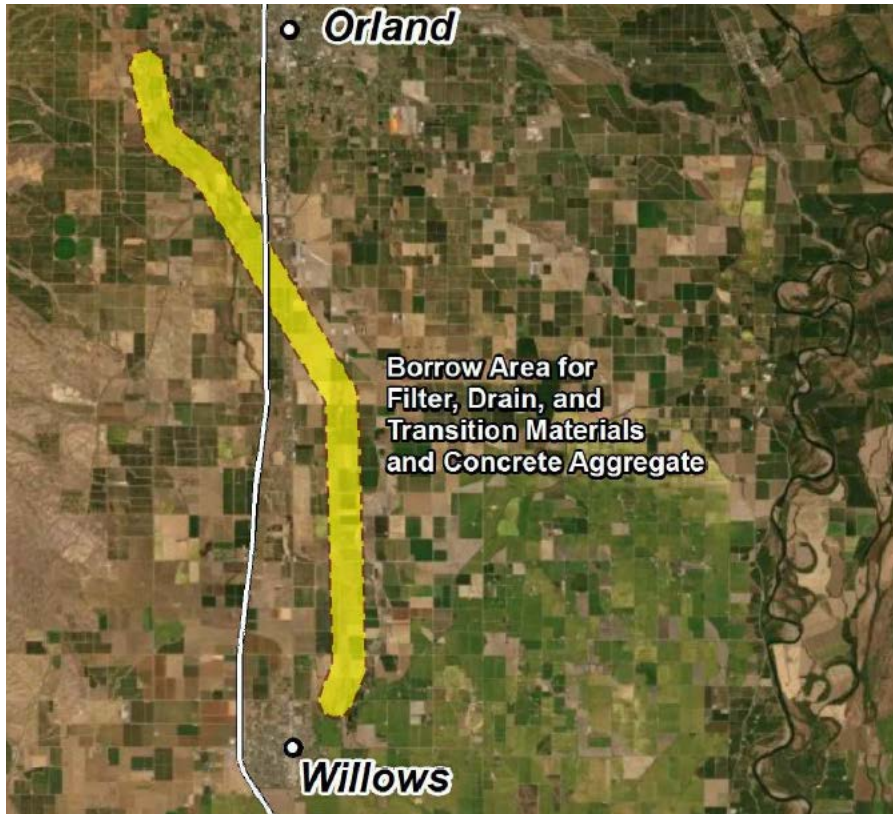
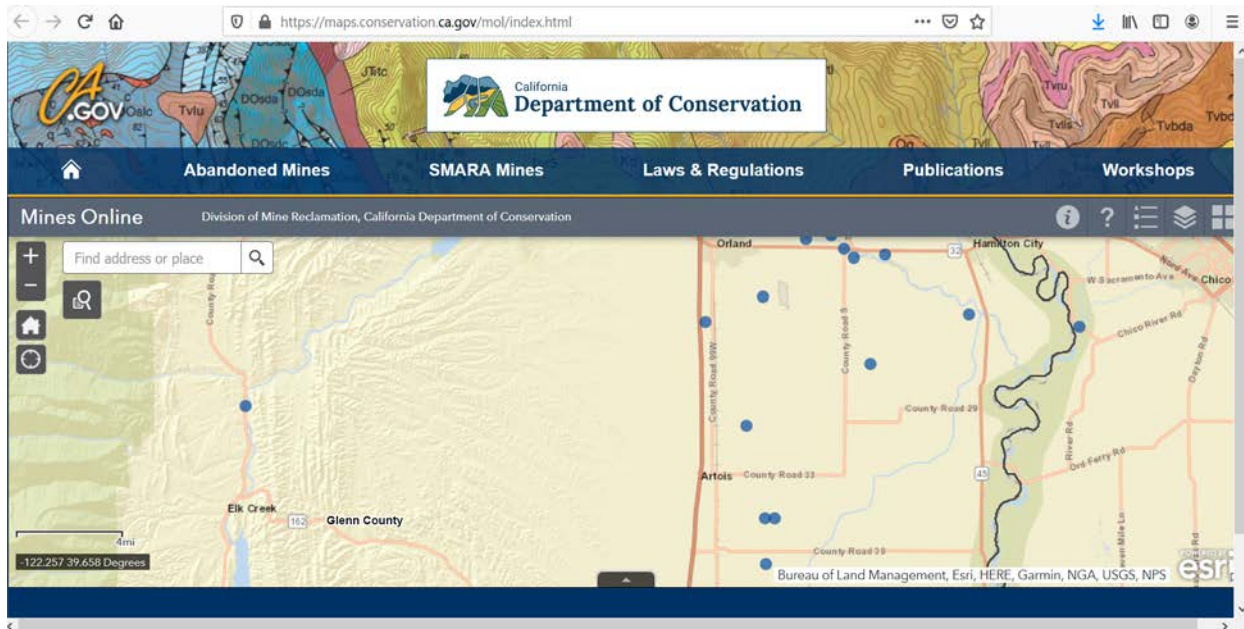
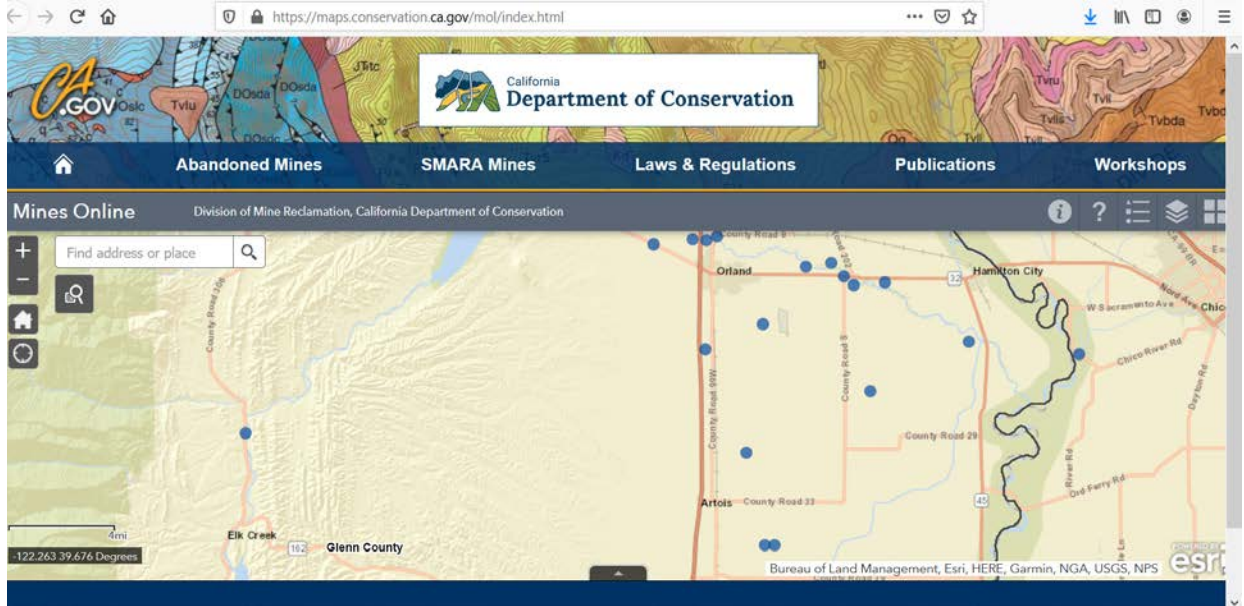


Image selected from

'Figure PD02-41_Offsite_QuarryAreas'

The two screen captures below show the six aggregate mines along the arc shown in the above image. Information on the six mines is shown below the two screen captures.



Information on the six aggregate mines identified above. Listed from north to south.

Mine_ID	91-11-0011
Mine Name	KNUTZEN - CROSBY
Operation Type	BRINE WELL
Mine Status	EXEMPT
Primary Product	Sand and Gravel
Other Products	
Owner	CROSBY-KNUTZEN
Operator	CROSBY-KNUTZEN

Lead Agency County of Glenn
Report Year 1993
Acres Disturbed 0.00
Reclamation Status RECLAMATION NOT STARTED
Permit Number 88-16
Permit Acres 100.00

Mine_ID 91-11-0012
Mine Name I-5 PIT - CLOSED - RECLAIMED
Operation Type OPEN PIT
Mine Status RECLAIMED
Primary Product Sand and Gravel
Other Products
Owner NORTH VALLEY ROCK, LLC
Operator NORTH VALLEY ROCK, LLC
Lead Agency County of Glenn
Report Year 2012
Acres Disturbed 0.00
Reclamation Status RECLAMATION IN PROGRESS
Permit Number 92-02,RP92-01
Permit Acres 54.00,33.00

Mine_ID 91-11-0002
Mine Name KAISER PIT
Operation Type OPEN PIT
Mine Status ACTIVE
Primary Product Sand and Gravel
Other Products
Owner Glenn County, Department of public Works
Operator Glenn County, Department of public Works
Lead Agency County of Glenn
Report Year 2019
Acres Disturbed 21.00
Reclamation Status RECLAMATION IN PROGRESS
Permit Number
Permit Acres 31.00

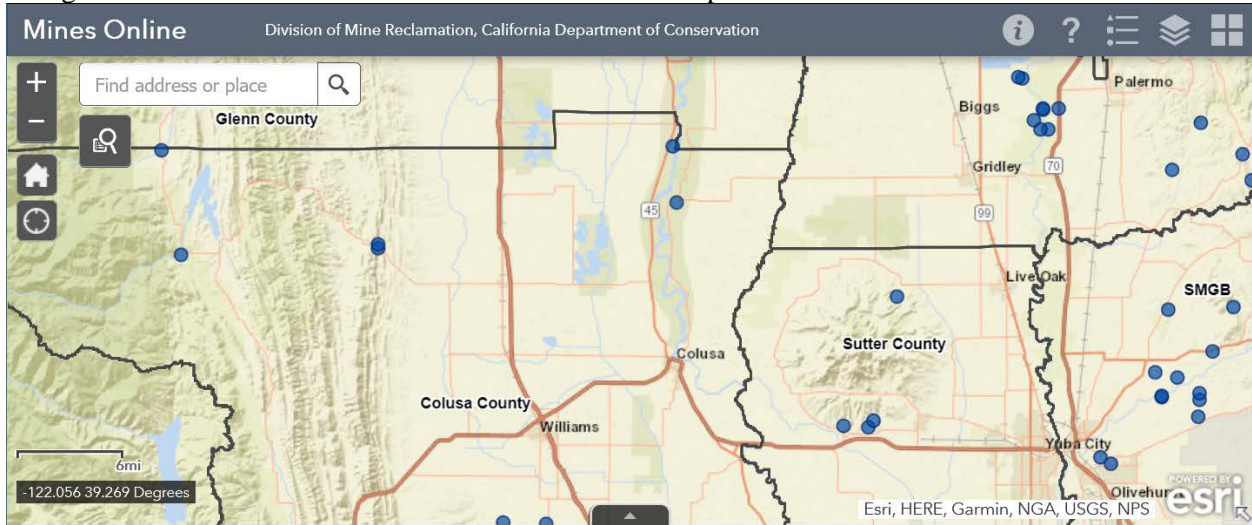
Mine_ID 91-11-0013
Mine Name WATTS PIT
Operation Type OPEN PIT
Mine Status CLOSED NO INTENT TO RESUME
Primary Product Sand and Gravel
Other Products
Owner NORTH VALLEY ROCK, LLC
Operator NORTH VALLEY ROCK, LLC
Lead Agency County of Glenn
Report Year 2019
Acres Disturbed 71.00
Reclamation Status RECLAMATION IN PROGRESS
Permit Number 93-08
Permit Acres 91.00

Mine_ID 91-11-0001
Mine Name WATTS PIT
Operation Type OPEN PIT
Mine Status ACTIVE
Primary Product Sand and Gravel
Other Products
Owner Glenn County, Department of public Works
Operator Glenn County, Department of public Works
Lead Agency County of Glenn
Report Year 2019
Acres Disturbed 21.00
Reclamation Status RECLAMATION IN PROGRESS
Permit Number
Permit Acres 58.00

Mine_ID 91-11-0005
Mine Name SPOONER PIT
Operation Type OPEN PIT
Mine Status CLOSED NO INTENT TO RESUME
Primary Product Sand and Gravel
Other Products
Owner NORTH VALLEY ROCK, LLC
Operator NORTH VALLEY ROCK, LLC
Lead Agency County of Glenn

Report Year 2019
 Acres Disturbed 16.00
 Reclamation Status RECLAMATION IN PROGRESS
 Permit Number UP82-59
 Permit Acres 106.10

Butte Sand and Gravel is located at the two dots immediately south of Sutter Buttes. These two mines are 'merged'. Information on them is listed below the screen capture.



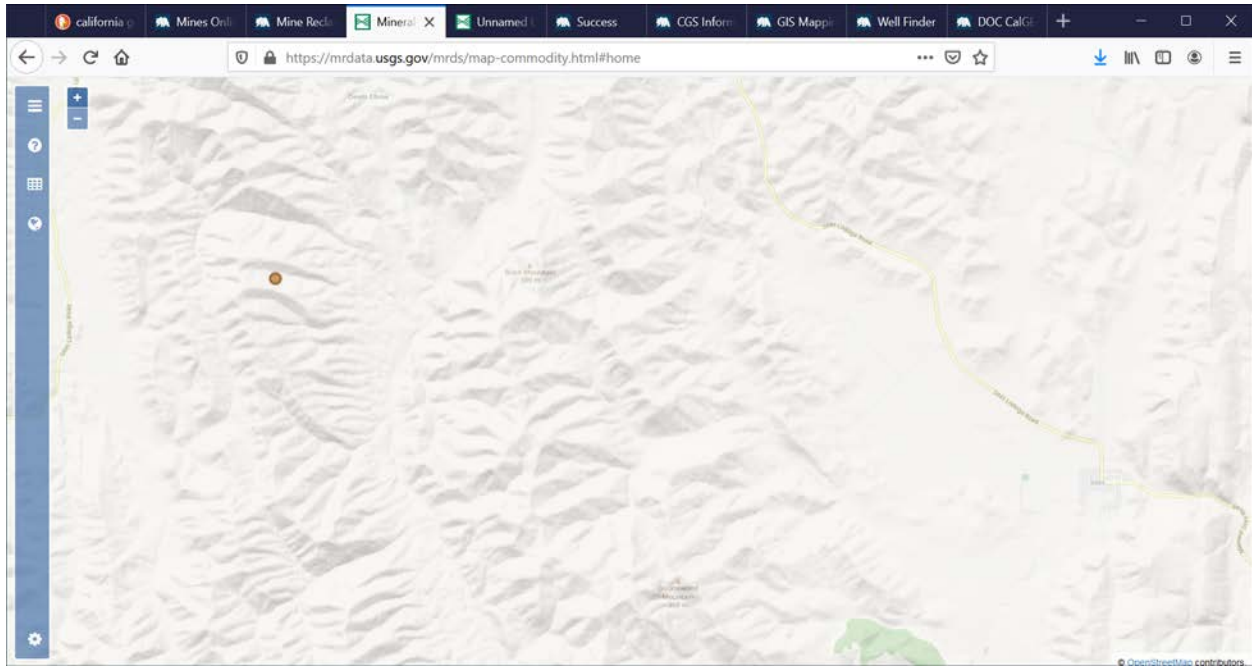
Mine ID: 91-51-0001

Mine_ID	91-51-0001
Mine Name	BUTTE SAND & GRAVEL
Operation Type	OPEN PIT
Mine Status	ACTIVE
Primary Product	Sand and Gravel
Other Products	
Owner	BUTTE SAND AND GRAVEL
Operator	BUTTE SAND AND GRAVEL
Lead Agency	County of Sutter
Report Year	2019
Acres Disturbed	268.00
Reclamation Status	RECLAMATION IN PROGRESS
Permit Number	
Permit Acres	481.00
Financial Assurance Mechanism Total	

Mine ID: 91-51-0006	
Mine_ID	91-51-0006
Mine Name	BUTTE RANCH -MERGED W/ 91-51-0001
Operation Type	QUARRY
Mine Status	CLOSED - MERGED
Primary Product	Sand and Gravel
Other Products	
Owner	BUTTE SAND & GRAVEL
Operator	BUTTE SAND & GRAVEL
Lead Agency	County of Sutter
Report Year	2006
Acres Disturbed	5.00
Reclamation Status	RECLAMATION NOT STARTED
Permit Number	1515
Permit Acres	25.00
Financial Assurance Mechanism Total	

Chromium Mines

<https://mrdata.usgs.gov/mrds/> Mineral Resources Data System (MRDS)



Chromium:

[10114082](#) Unnamed Location Grade **D** CR=chromium

[unnamed location in above map – east of East Fork Reservoir; far west of inundation zone].

This site is in Colusa County. For Glenn County see below.

https://westernmininghistory.com/mine_detail/10095689/ Teathers Prospect, a chromium mine located in Colusa County. The location is shown as north of the Sites road and north of East Park Reservoir. Owner names = Cy Teathers, Stony Ford. Years 1918-.

