

WR-12

STATE WATER RESOURCES CONTROL BOARD
DIVISION OF WATER RIGHTS

RESERVOIR ID: 543
RESERVOIR INVESTIGATION

Date of Inspection: February 7, 2011

Investigation by: Cheri Gehrt and Bridget Supple

Map by: Bridget Supple

Accompanied by: Andrew Flocchini and Nicholas Flocchini, owners

Persons interviewed: Andrew Flocchini and Nicholas Flocchini

Owner Information:

Name: Flocchini Estate, LLC

Address: 7078 Lakeville Highway, Petaluma, CA 94954

Phone: 707-217-6851

Property Information:

Location: 7078 Lakeville Highway, Petaluma, CA

County: Sonoma

Assessor's Parcel No: 068-110-007

Field Findings:

Source: Unnamed Stream tributary to the Petaluma River.

Estimated flow: No flow was observed into or out of the reservoir.

By California Coordinate System (NAD83/Feet) Zone 2: North 1,824,247 feet; East 6,413,434 feet (per ewrims measure tool).

Storage facility: Onstream reservoir on an unnamed stream tributary to the Petaluma River.

Depth of Reservoir: 12 feet (per owner's statement).

Reservoir area: 3.4 acres (per ewrims measure tool).

Estimated reservoir volume: 29 acre-feet (depth x area x 0.7).

Visible upstream channel with bed and banks: (Y/N), explain. Yes. There is an upstream channel with a defined bed and banks.

Visible downstream channel with bed and banks: (Y/N), explain. Yes. There is a downstream channel with a defined bed and banks.

Is the storage facility subject to the State Water Resources Control Board (State Water Board) permitting authority? : (Y/N), explain. Yes. The reservoir stores surface water from

C. Gehrt
6/13/11

the unnamed stream tributary to the Petaluma River. The unnamed stream shows up as an intermittent blue line stream on the USGS topographic map.

Use of water at reservoir: Irrigation for 26 acres of vineyards.

Place of Use: On adjacent 26 acres of vineyards.

Other water rights: None.

Alternative supply available: There is a nearby groundwater well that is used for irrigation of pasture land for cows, and for use at the barn for raising heifers. The owners stated that no water from the reservoir is used for the livestock, and that the reservoir water is only used for irrigation of the vineyard. The owners said there is no other source of water for the vineyard, because the well water has too many minerals such as boron and manganese and cannot be used to irrigate the vineyard. The owners said they do not ever add groundwater to the reservoir.

CONCLUSION AND RECOMMENDATIONS:

The owners said they did not submit a Statement of Water Diversion and Use for the diversion and storage of water at the reservoir. The Division has no record of a Statement of Water Diversion and Use for the water diversion at this reservoir. Based on this inspection's findings, the Division should consider appropriate enforcement action for failure to file a Statement of Water Diversion and Use, and for the unauthorized diversion to storage and use of water from the unnamed tributary to the Petaluma River.

Photographs:



Photograph No. 1
North end of reservoir looking south.



Photograph No. 2
Looking upstream at north end of reservoir.



Photograph No. 3
Reservoir.



Photograph No. 4
Adjacent pasture that is irrigated with well water.



Photograph No. 5
Groundwater well next to reservoir. Per the owners' statements, groundwater from this well is not ever put into the reservoir.



Photograph No. 6
Dam on reservoir.



Photograph No. 7
Reservoir.



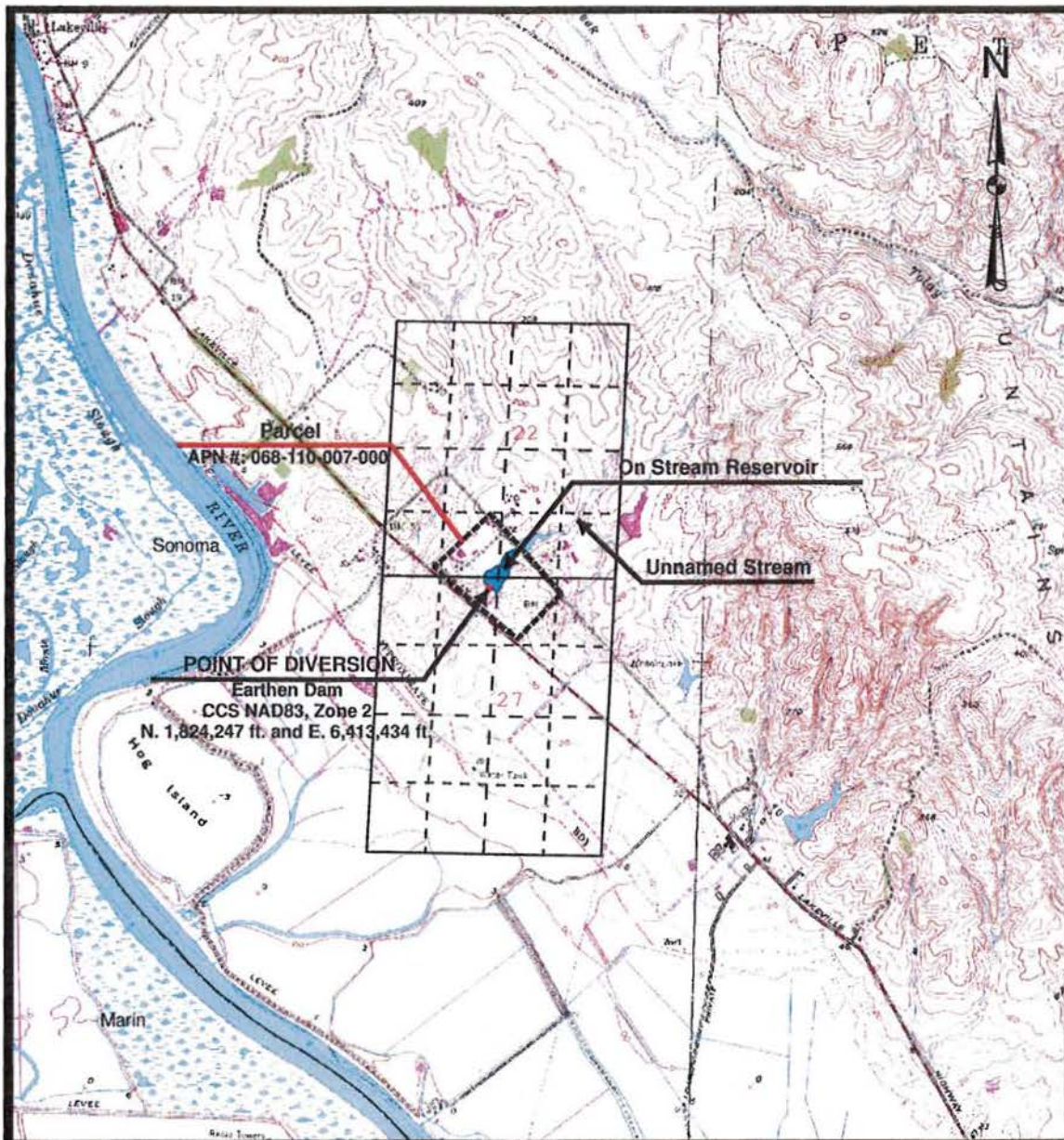
Photograph No. 8
Irrigation pumps that withdraws water from the reservoir to irrigate the vineyards. The owners said the irrigation pumps have 15 horsepower. Vineyard place of use in the background.



Photograph No. 9
Spillway downstream from reservoir.



Photograph No. 10
Weir structure on spillway.



OWNER:
ANDREW FLOCCHINI

SOURCE:
UNNAMED STREAM, SAN PABLO WATERSHED

LOCATION OF RESERVOIR:
**WITHIN NW1/4 NE1/4
 OF PROJECTED SECTION 27, T4N, R6W, MDB&M**

COUNTY OF:
SONOMA

STATE OF CALIFORNIA
 CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
**STATE WATER RESOURCES CONTROL BOARD
 DIVISION OF WATER RIGHTS**

RESERVOIR INVESTIGATION

**RESERVOIR ID NO. 543
 ENFORCEMENT**

U.S.G.S. QUAD: Petaluma River	MAP DATE: PHOTOREVISED 1980	SCALE: 1:24,000	INSPECTION DATE: 2/7/2011	DRAWN: CC	CHECKED:
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Note: This map does not constitute a public land survey as defined by California Business & Professions Code section 8726. It has been prepared for descriptive purposes only.