

WR-23

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SECRETARY FOR
ENVIRONMENTAL PROTECTION

State Water Resources Control Board

TO: Case File UN000104
Sonoma County Reservoir ID 543

FROM: C. Arnold
WRC Engineer
DIVISION OF WATER RIGHTS

DATE: March 23, 2015

SUBJECT: STATUS OF RESERVOIR ON APN 068-110-007, FLOCCHINI ESTATE LLC

A Sonoma County reservoir inspection on assessor parcel number 068-110-007 (64 acres) was conducted on February 7, 2011. As a result of the inspection, Division staff concluded that a 29-acre storage reservoir was constructed on an unnamed stream, tributary to Petaluma River. The owner was notified by letter dated September 20, 2011, that the reservoir is unauthorized and in need of an application for a permit or a basis of right.

Following the inspection, the reservoir owner submitted the following information:

1. Initial Statement of Water Diversion and Use (S022317) dated September 29, 2011. The Statement claimed use of the reservoir to irrigate 26 acres of vineyard on the property.
2. Annual electronic reports of winter diversions to seasonal storage in calendar years 2011, 2012 and 2013. Summer beneficial uses were reported in years 2011 and 2012.
3. A reservoir survey map dated October 15, 2013, reporting a reservoir capacity of 13.75 acre-feet.

Subsequent to the notification sent to the owner informing that the reservoir is unauthorized, the owner failed to file an application for a permit to divert water to storage. Division staff re-visited the site on March 18, 2015, in order to ascertain if the reservoir was still active and in use. The reservoir appeared to be near capacity based on a photograph taken near the reservoir inlet (culvert) at Old Lakeville Hwy. There also appears to be a place of use (vineyard) on the property as illustrated in a photograph taken from Lakeville Hwy. There was no surface flow into or out of the reservoir. Staff did not enter the property during the March 18, 2015 inspection and all photos taken were from Lakeville Hwy and Old Lakeville Hwy.

There is a discrepancy between the reservoir capacity (29 acre-feet) reported by Division staff on February 7, 2011, and the reservoir capacity (13.75 acre-feet) reported by owners' consultant on the October 15, 2013 reservoir survey. The discrepancy can be explained by the

FELICIA MARCUS, CHAIR | THOMAS HOWARD, EXECUTIVE DIRECTOR

difference in two reported reservoir depths. In contrast to the 12 foot depth reported to Division staff by the owner during the 2011 inspection, Kelder engineering measured a maximum reservoir depth of 8.4 feet. The 15.25 acre-foot discrepancy in reservoir capacity is likely accounted for by the difference in the depth reported to the top of the spillway weir gate (by the owner), and the measured depth to the spillway invert (reported by Kelder Engineering).



Photo 1 - Reservoir ID 543 – Southwest view from Old Lakeville Highway (photo taken 3-18-15)



Photo 2 - View of upstream reservoir (D032167) spillway



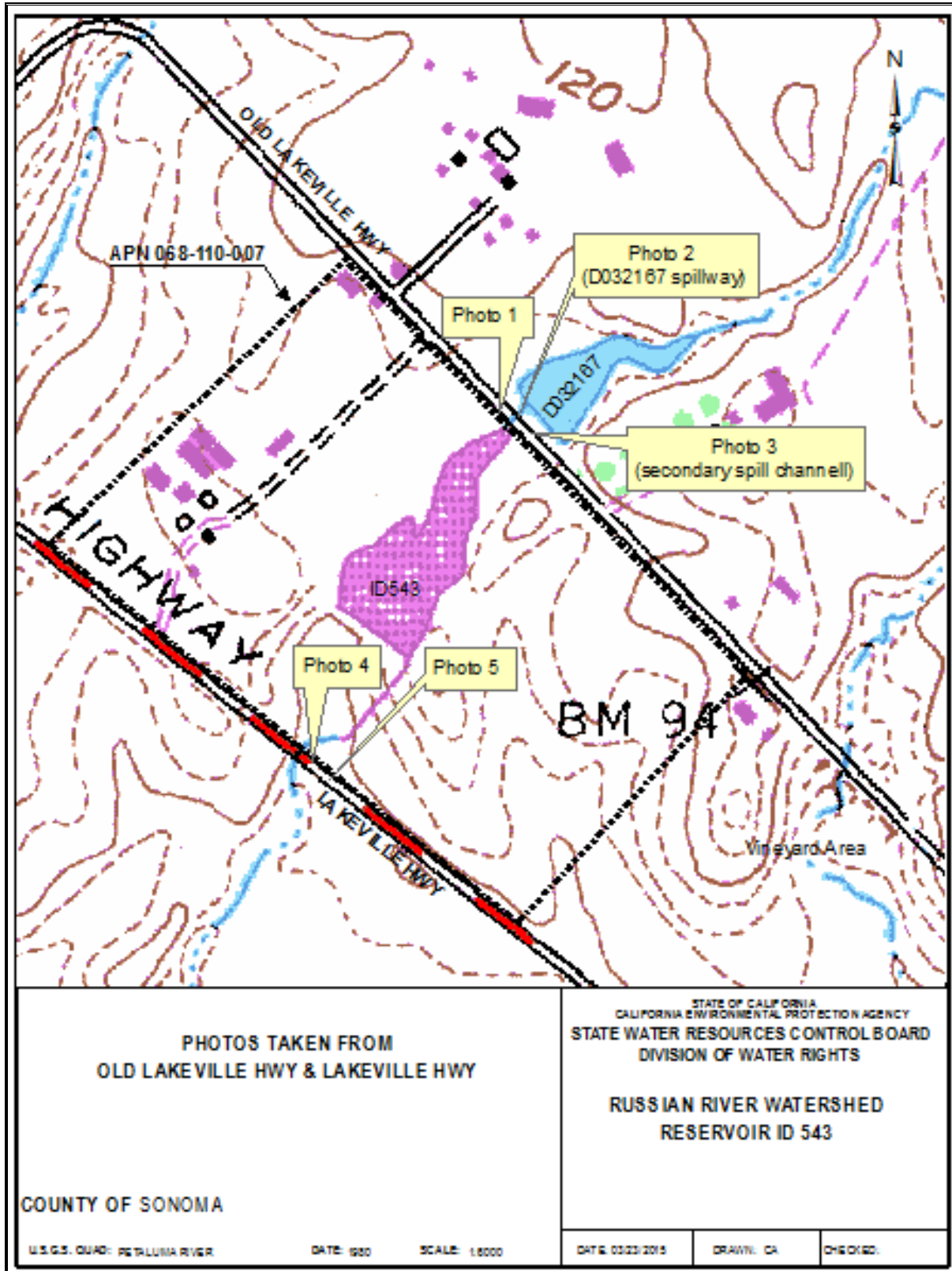
Photo 3 – Secondary spill channel around reservoir D032167 (inlet to Reservoir ID 543)



Photo 4 - Reservoir ID 543 Northeast view of dam, spillway and vineyard from Lakeville Hwy. Reservoir is not spilling (photo taken 3-18-15)

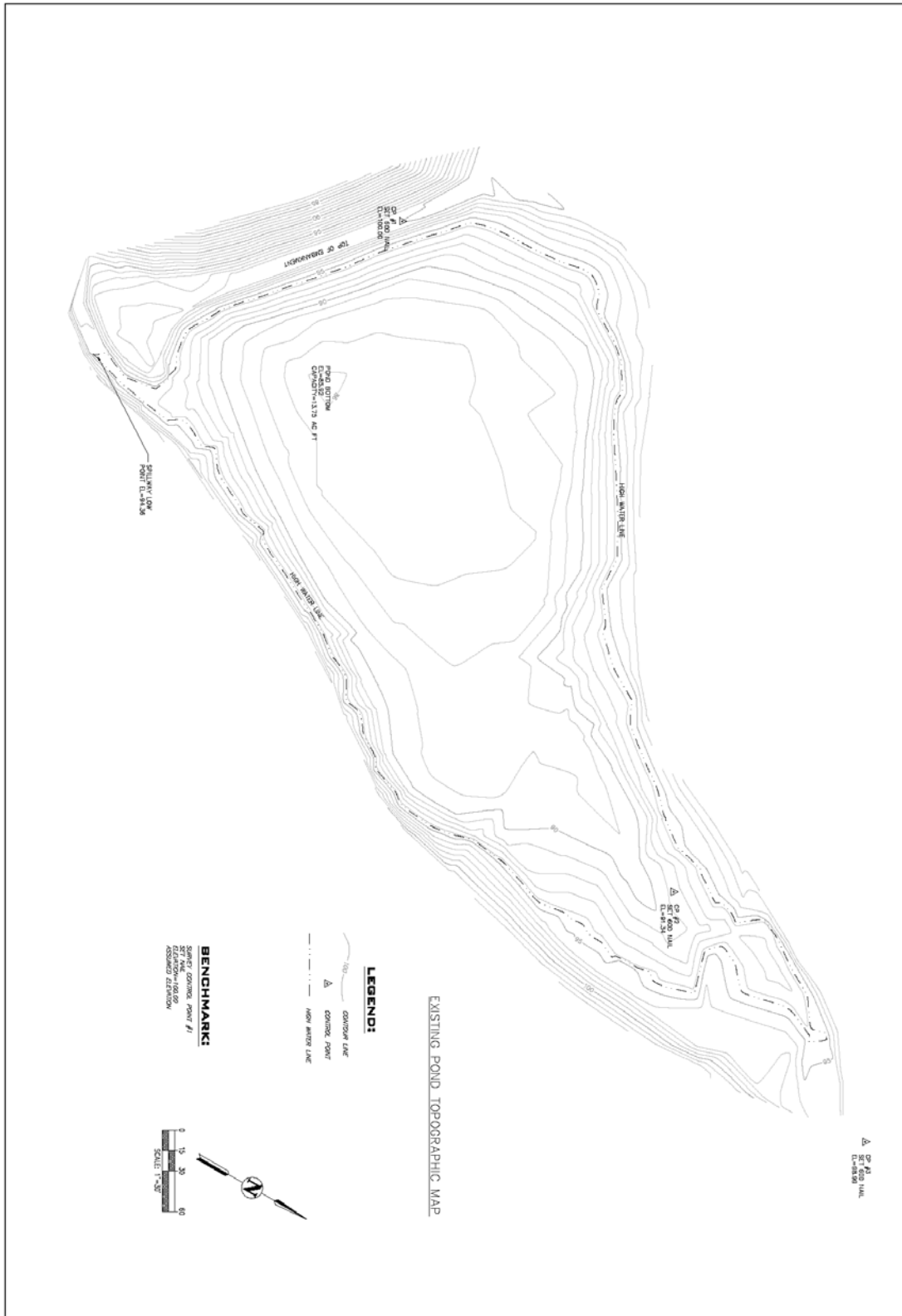


Photo 5 - Reservoir ID 543 Spillway weir gate (photo taken 3-18-15)



Enclosure

- Survey map of reservoir dated October 15, 2013



<p>TOPOGRAPHIC MAP Flacchini Pond 7078 Old Lakeview Road No. 3 Petaluma, Ca. 94954</p>	<p>APN: 068-110-007</p>	<p>KELDER ENGINEERING CIVIL ENGINEERS - LAND PLANNING 108 E. DUNDERMERE BLVD., DUNDERMERE, GA 30585 PHONE (770) 894-0385, FAX (770) 894-0385</p>	<table border="1"> <thead> <tr> <th>REVISION</th> <th>DESCRIPTION</th> <th>BY</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	REVISION	DESCRIPTION	BY	DATE																
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