LAKE COUNTY WATER UPDATE April 2015

SCOTT DE LEON

Lake County Water Resources

Discussion Topics

- Current Water Levels and Projections
- Sustainable Groundwater Legislation Update

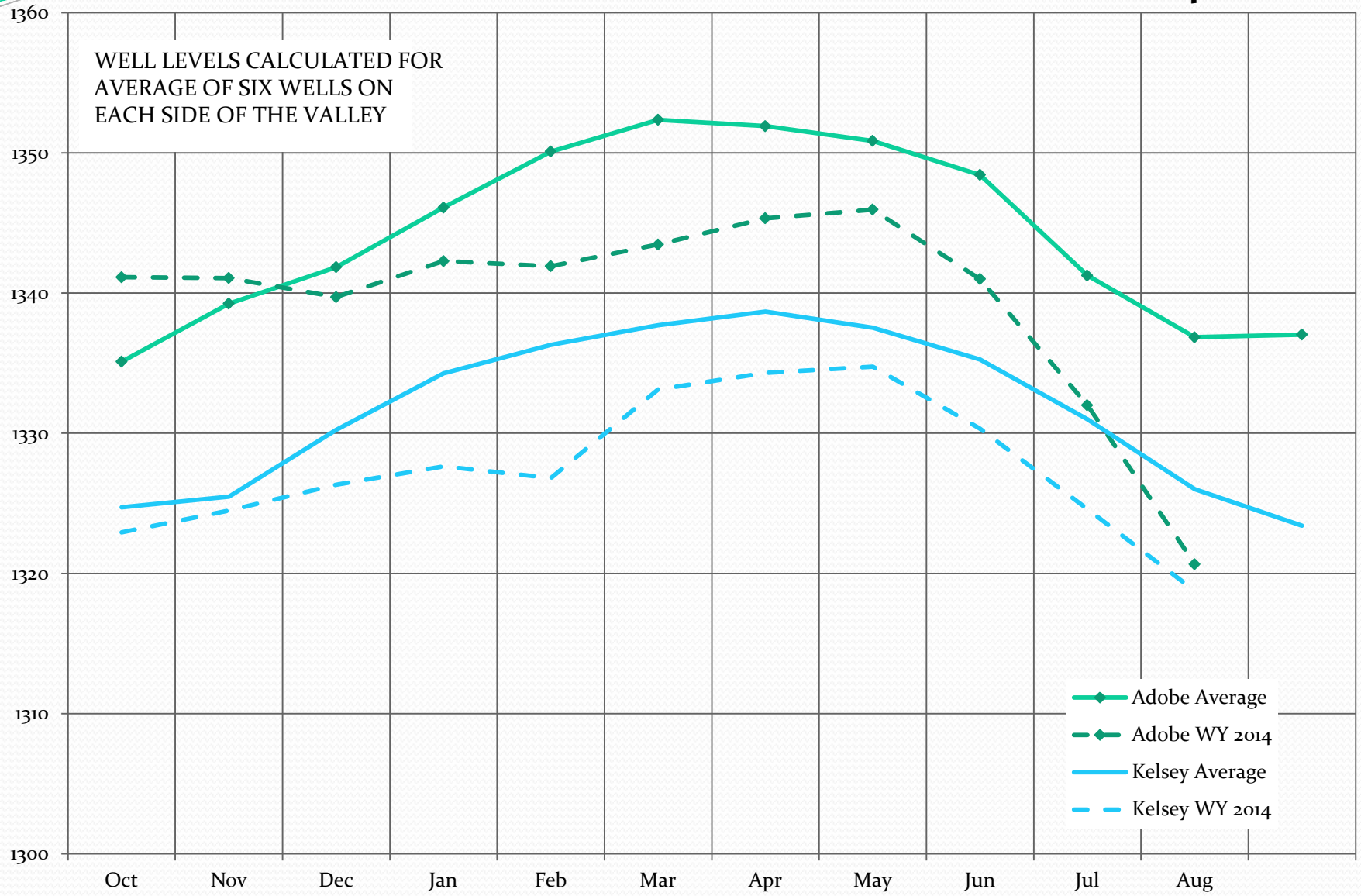
Clear Lake

- Assume:
  - April 1 Lake Level 4.50 ft R
  - No significant runoff for remainder of year
  - Yolo would get 26,009 ac-ft according to Solano Decree
  - Dam release would occur between May 1 – Sept 30
- Projections
  - May 31: 3.57 (Last year's level: 2.1)
  - June 30: 2.93 (Last year's level: 1.2)
  - August 31: 1.40 (Last year's level: -0.06)
  - September 30: 0.77 (Last year's level: -0.5)
  - October 31: 0.47 (Last year's level: -0.83)
- November 11, 2014: -0.83 ft R

Groundwater

- Measured 81 wells between March 18 and March 23, 2015
- Conditions look better than 2014
- Data on Lake County Water Resources Page http://watershed.co.lake.ca.us.
  - Click Drought Information at top of page.

BIG VALLEY
AVERAGE MONTHLY GROUNDWATER LEVELS - WY 2014



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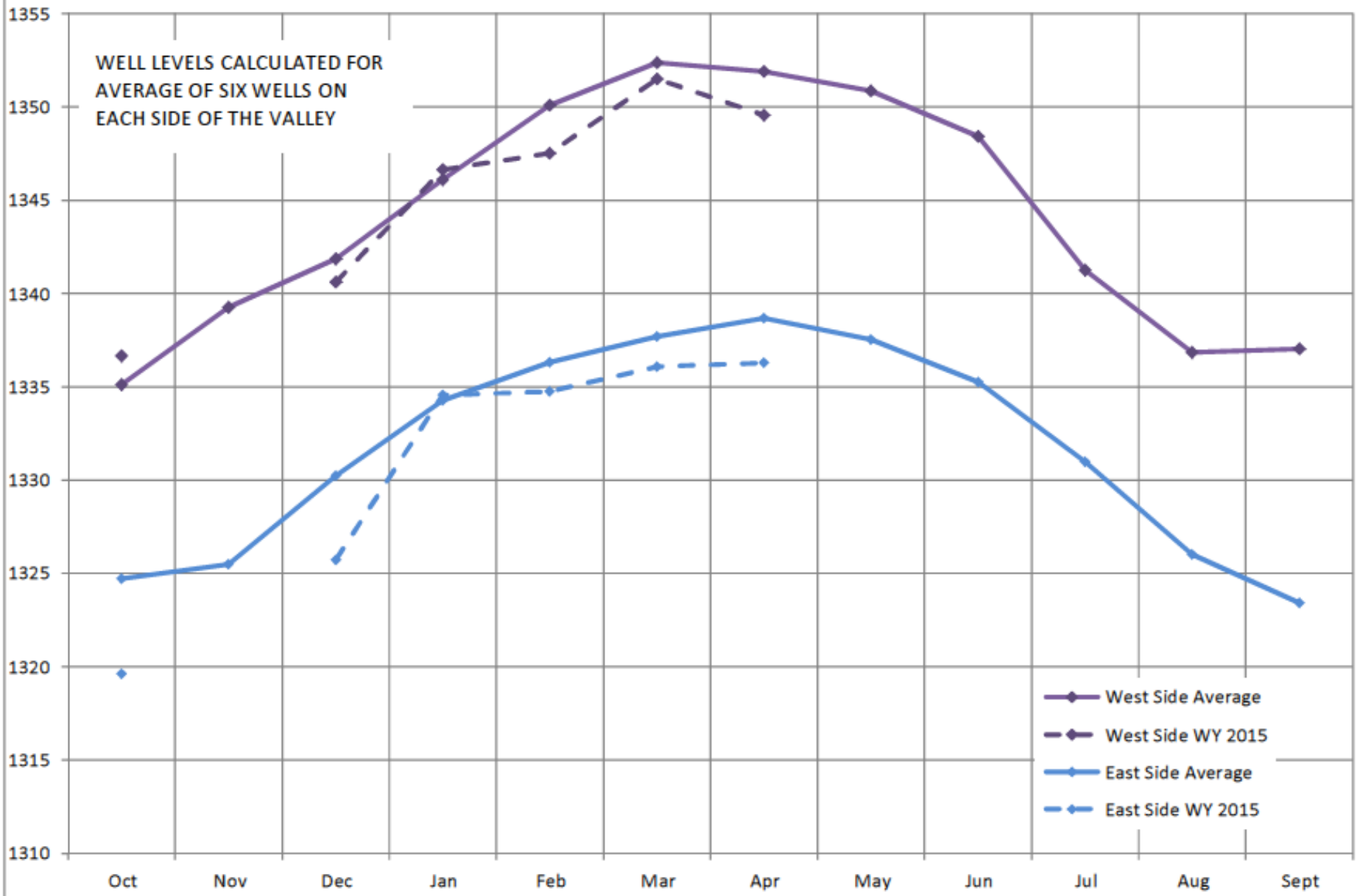
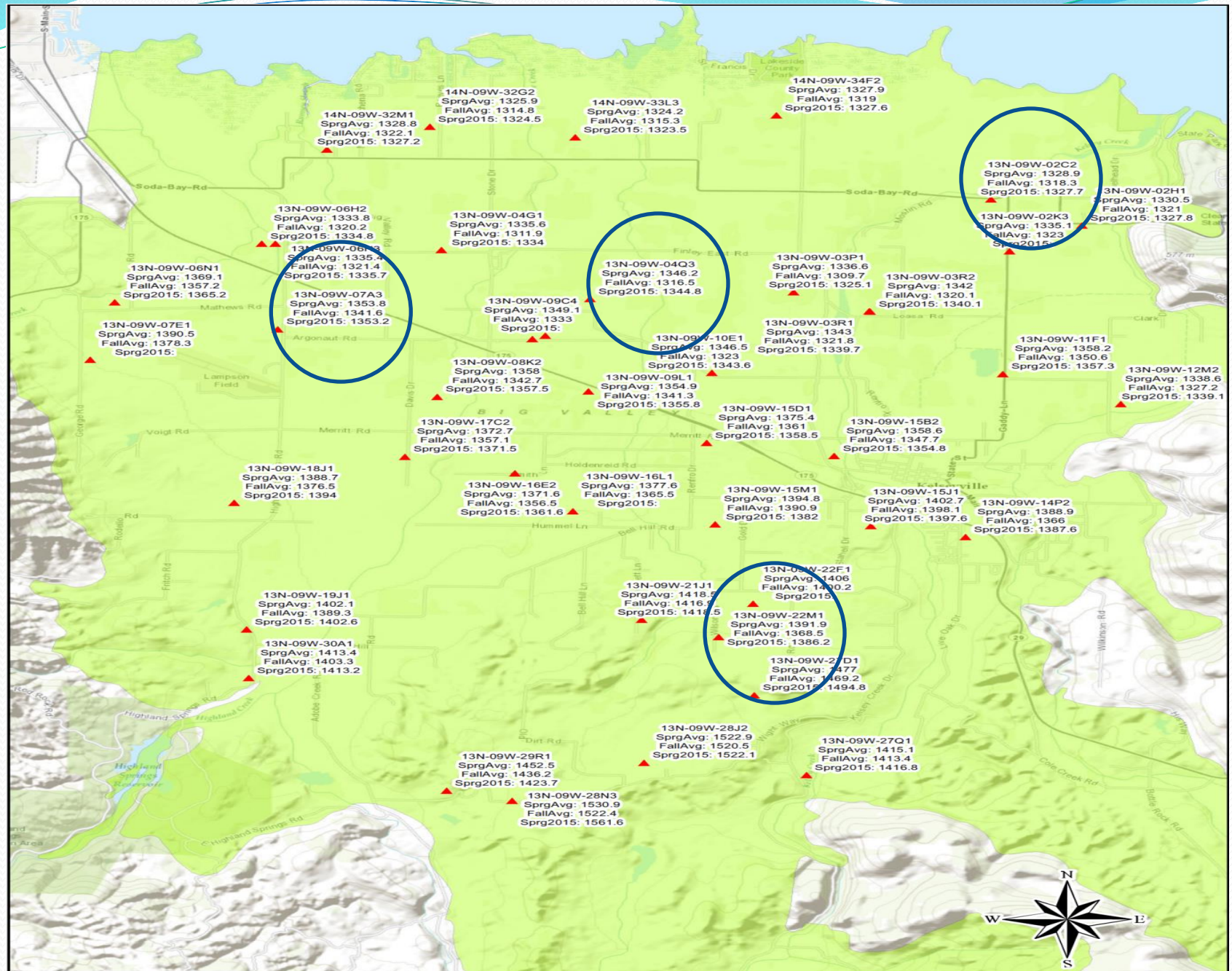
AVERAGE MONTHLY GROUNDWATER LEVELS - WY 2015

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FallAvg: 1323
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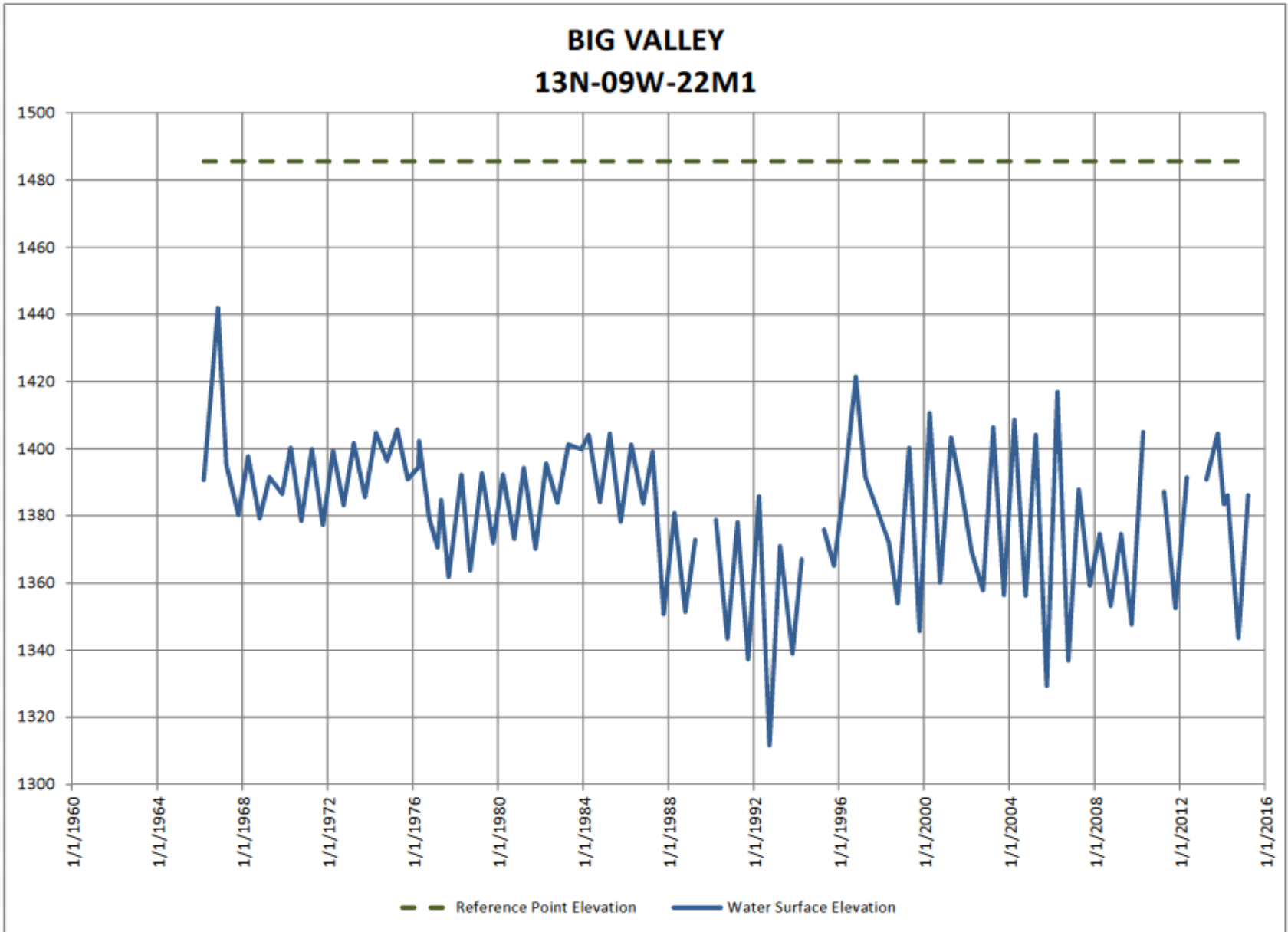
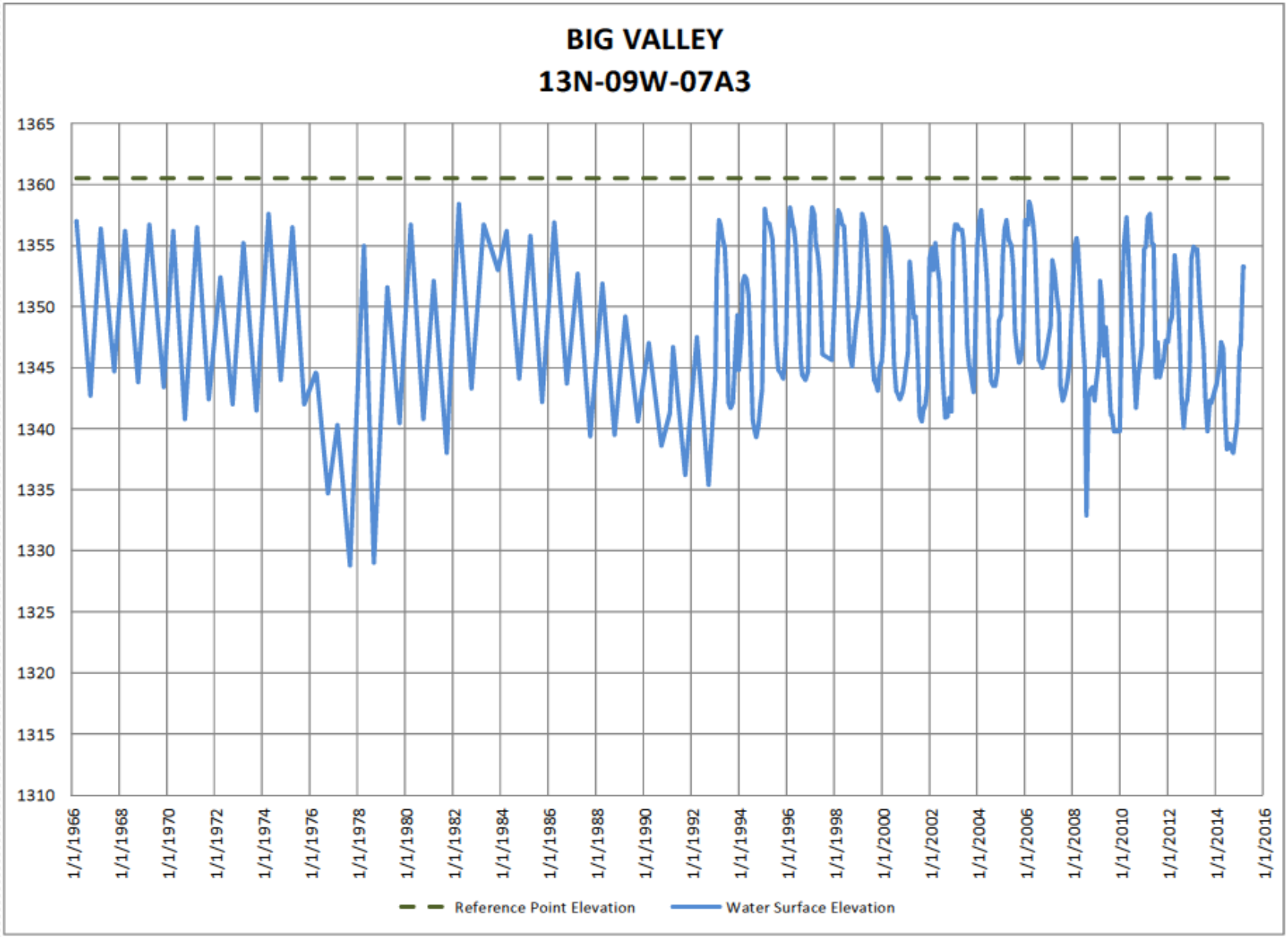
FallAvg: 1522.4
Sprg2015: 1561.6
Soda-Bay-Rd
Mathews Rd
Argonaut Rd
Lampson Field
Merritt Rd
Voigt Rd
Holdenreid Rd
Hummel Ln
Bell Hill Rd
Dirt Rd
Highland Springs Rd
Highland Springs Reservoir
Finley East Rd
Loasa Rd
Cole Creek Rd
Kelseyville
N
W
E
S

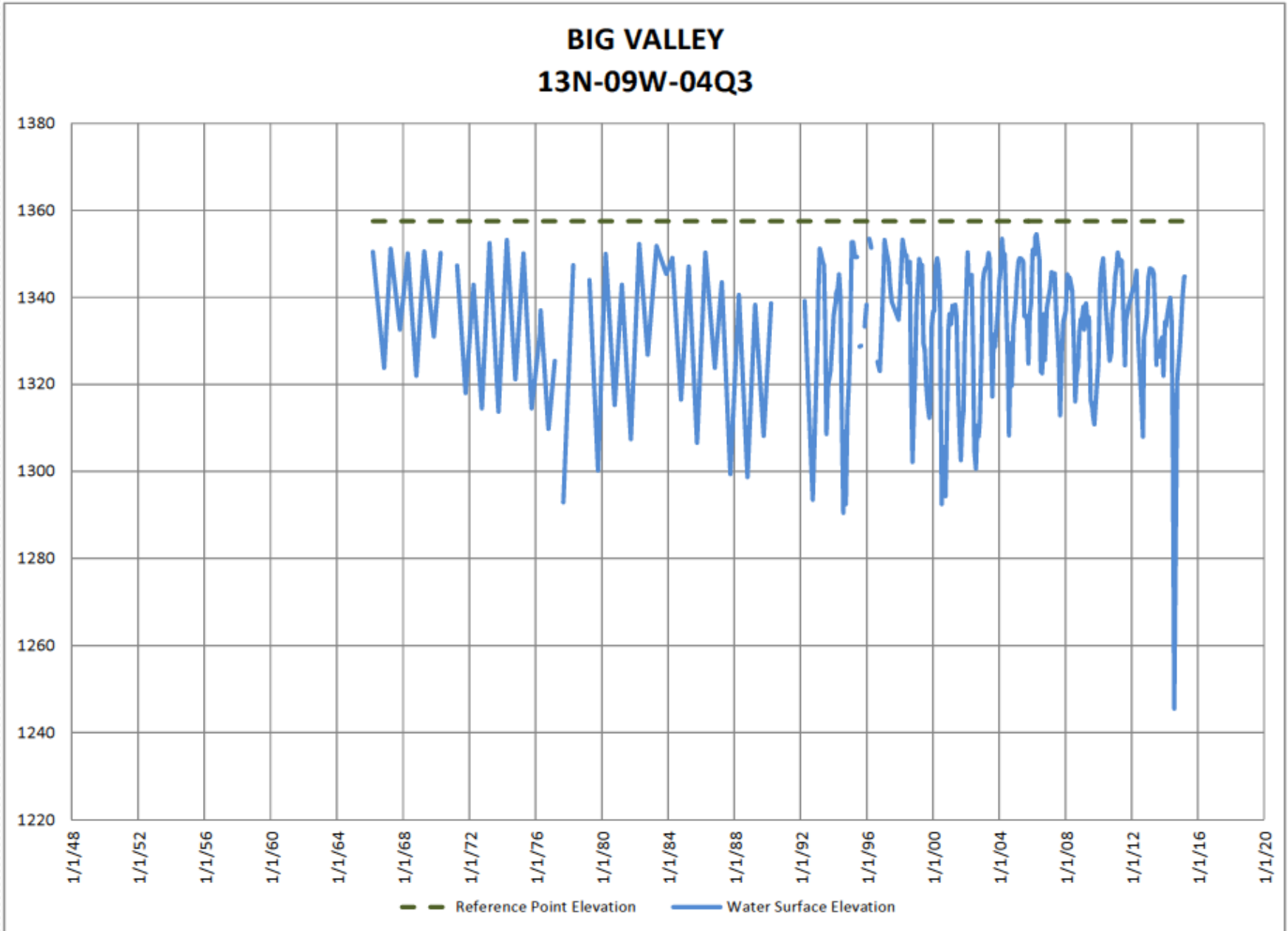
Kelseyville Bench



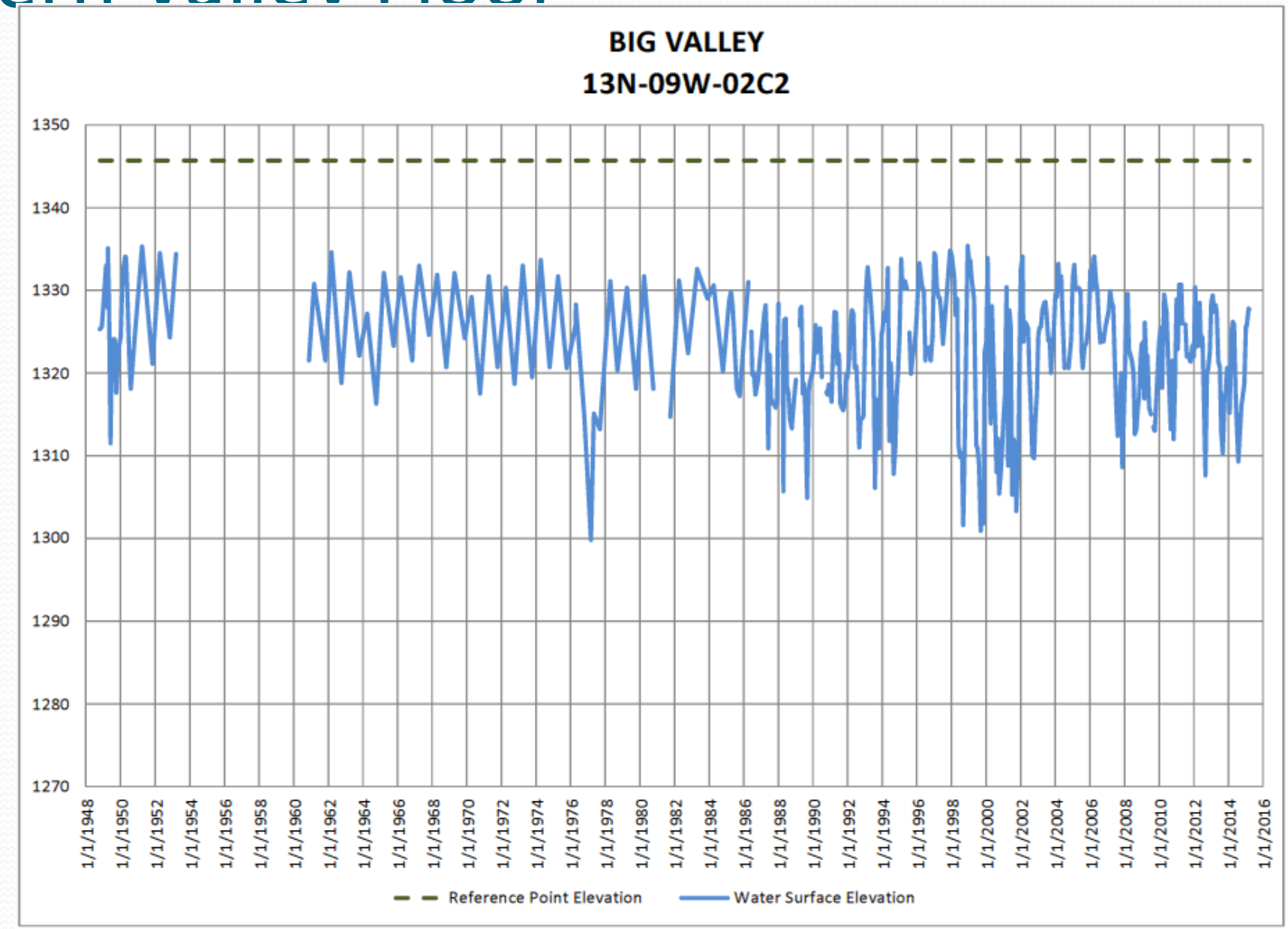
Western Valley Floor



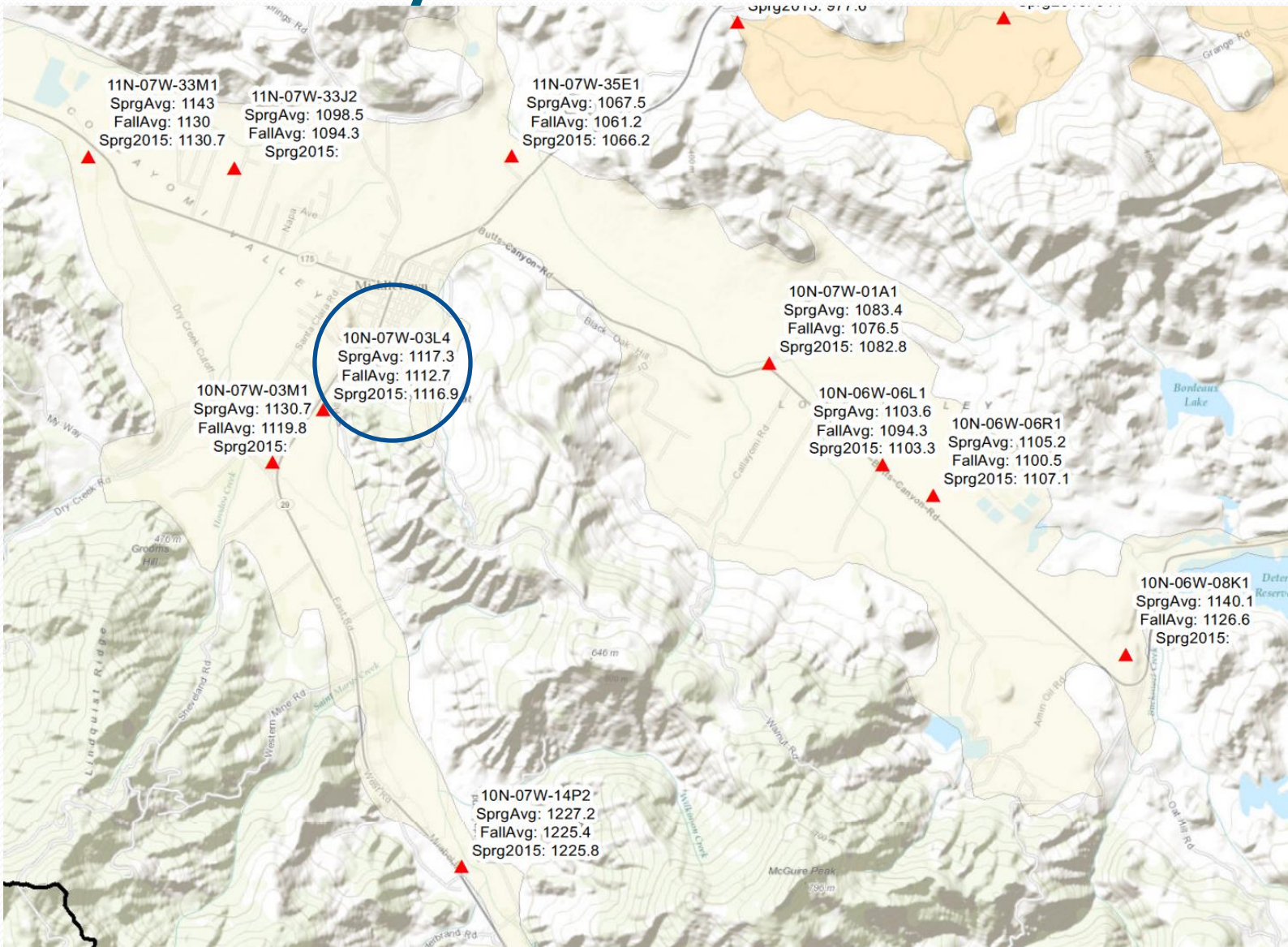
Western Valley Floor



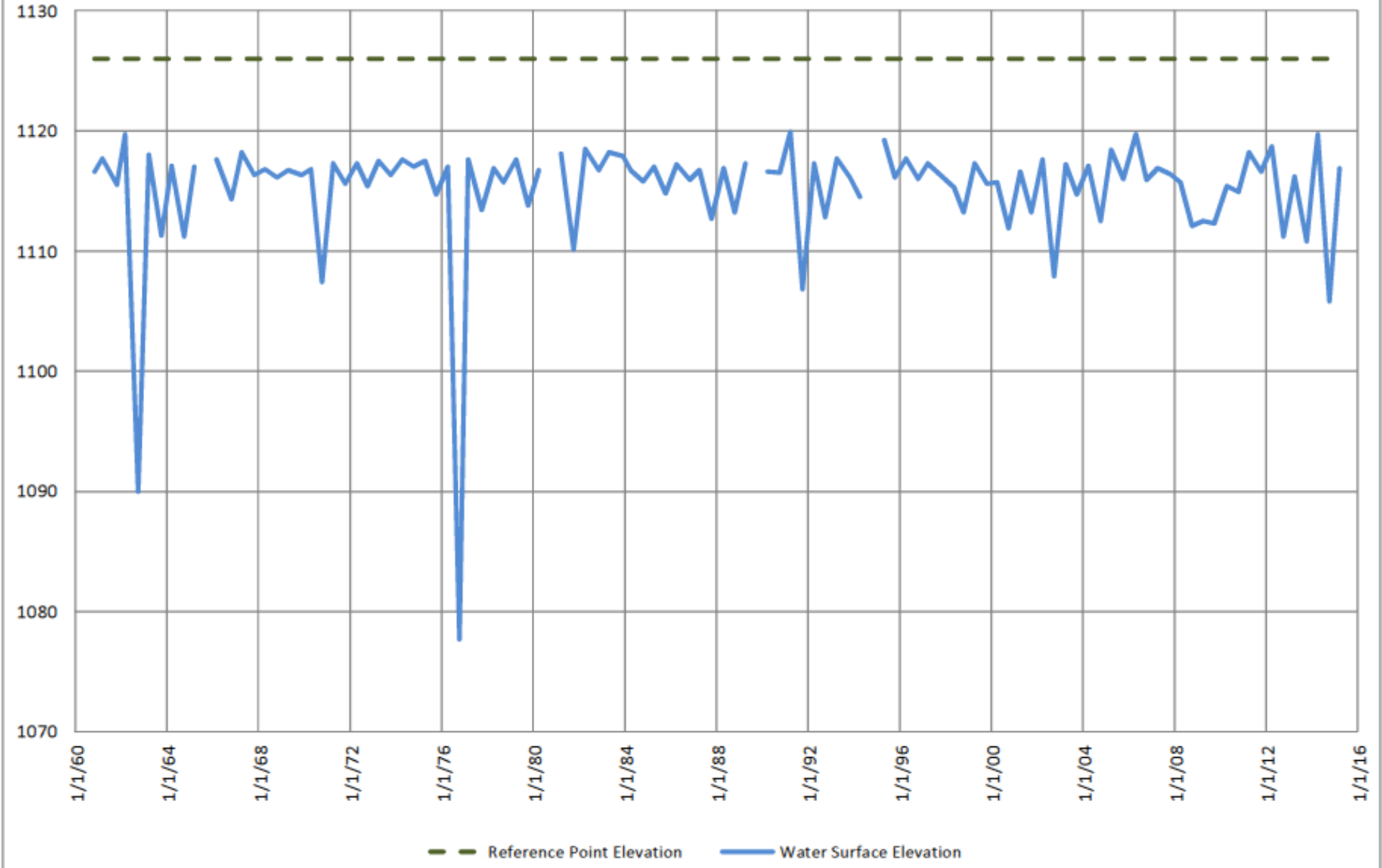
Eastern Valley Floor



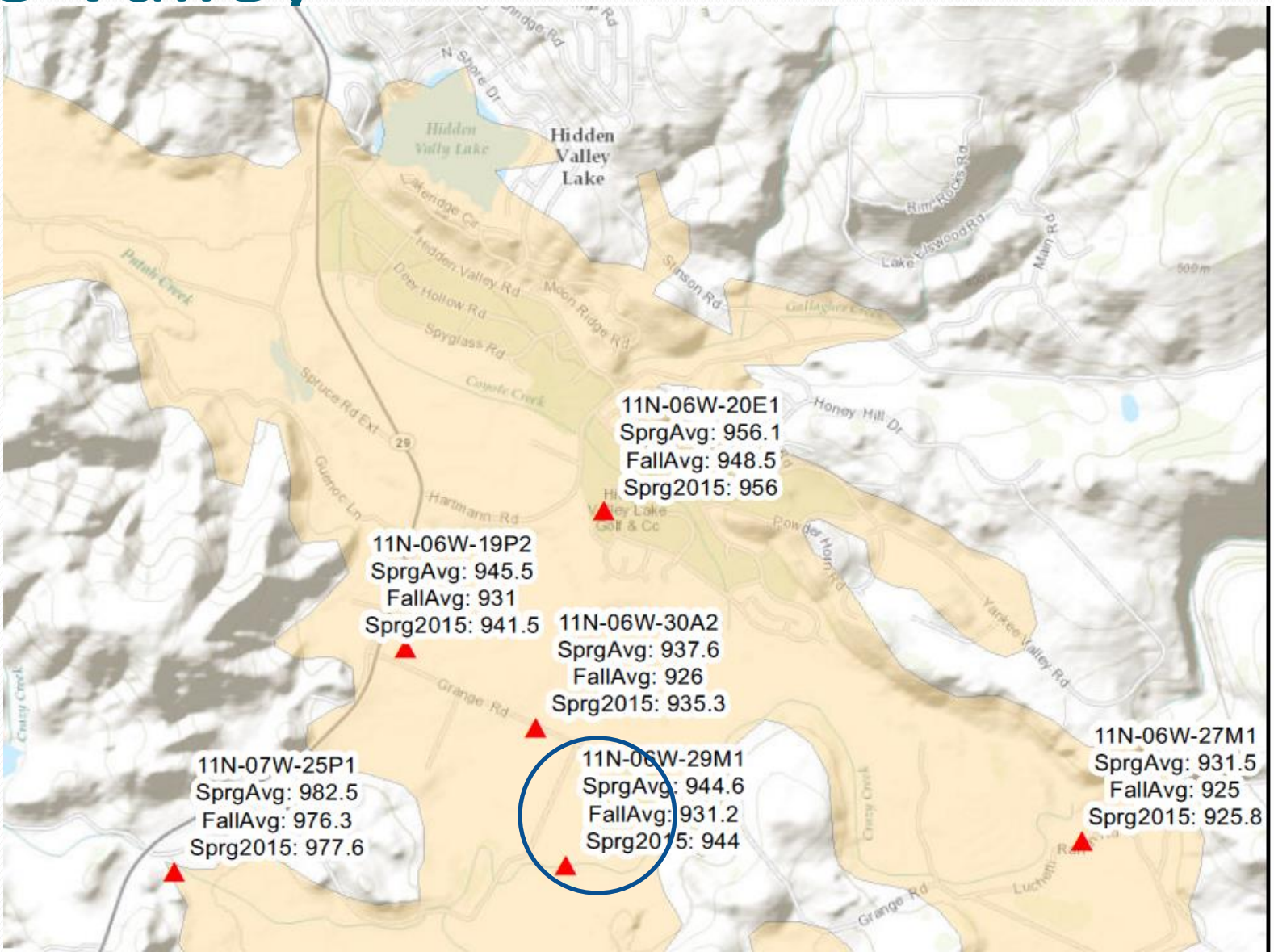
Collayomi Valley

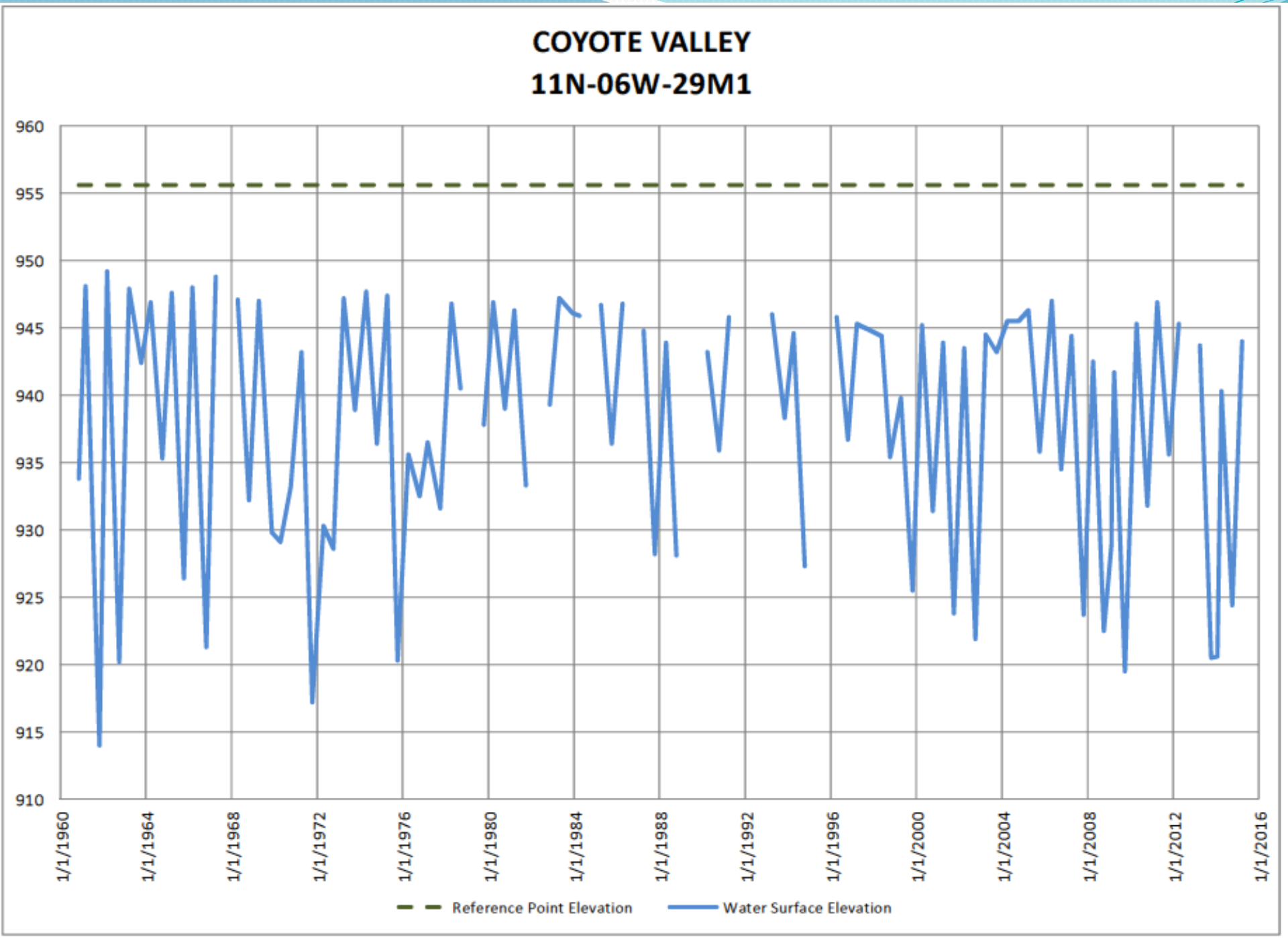


COLLAYOMI VALLEY
10N-07W-03L4

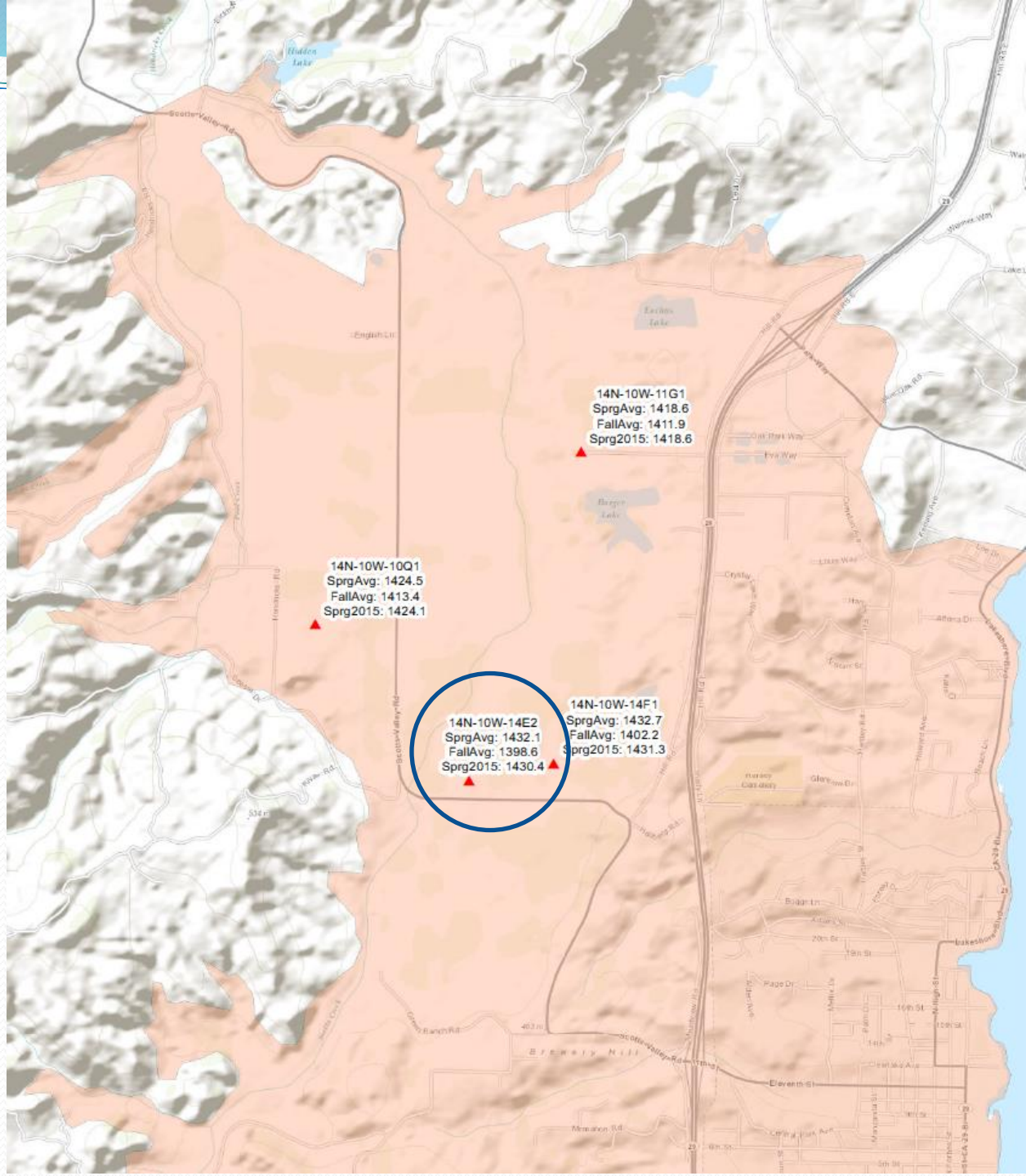


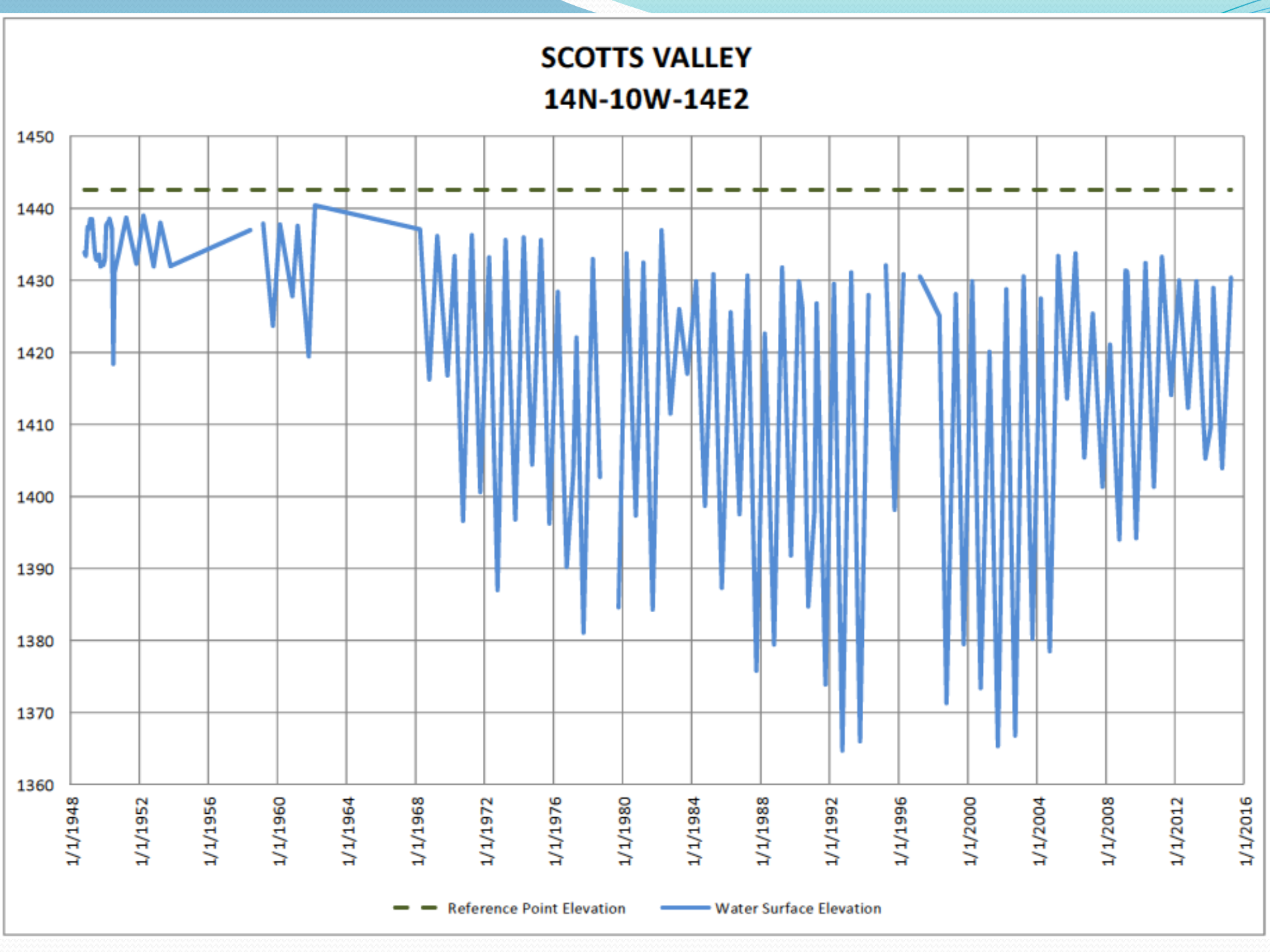
Coyote Valley




COYOTE VALLEY
11N-06W-29M1
960
955
950
945
940
935
930
925
920
915
910
1/1/1960
1/1/1964
1/1/1968
1/1/1972
1/1/1976
1/1/1980
1/1/1984
1/1/1988
1/1/1992
1/1/1996
1/1/2000
1/1/2004
1/1/2008
1/1/2012
1/1/2016
Reference Point Elevation
Water Surface Elevation

Scotts Valley




SCOTTS VALLEY
14N-10W-14E2
1450
1440
1430
1420
1410
1400
1390
1380
1370
1360
1/1/1948
1/1/1952
1/1/1956
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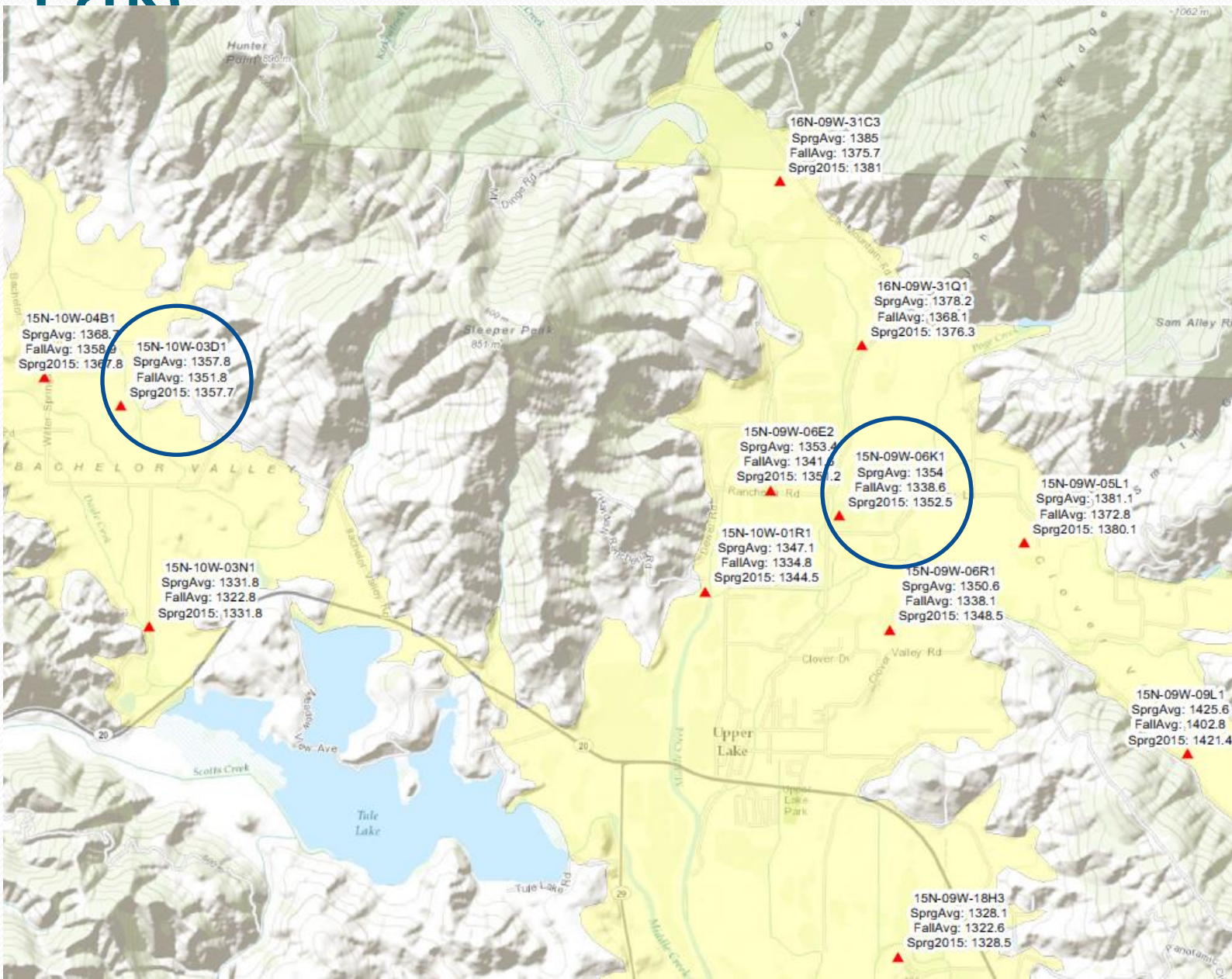
1/1/1980
1/1/1984
1/1/1988
1/1/1992
1/1/1996
1/1/2000
1/1/2004
1/1/2008
1/1/2012
1/1/2016
Reference Point Elevation
Water Surface Elevation

Upper Lake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FallAvg: 1368.1
Sprg2015: 1376.3
15N-10W-04B1
SprgAvg: 1368.7
FallAvg: 1358.9
Sprg2015: 1367.8
15N-10W-03D1
SprgAvg: 1357.8
FallAvg: 1351.8
Sprg2015: 1357.7
15N-09W-06E2
SprgAvg: 1353.4
FallAvg: 1341.6
Sprg2015: 1352.2
15N-09W-06K1
SprgAvg: 1354
FallAvg: 1338.6
Sprg2015: 1352.5
15N-09W-05L1
SprgAvg: 1381.1
FallAvg: 1372.8
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SprgAvg: 1347.1
FallAvg: 1334.8
Sprg2015: 1344.5
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SprgAvg: 1331.8
FallAvg: 1322.8
Sprg2015: 1331.8
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SprgAvg: 1350.6
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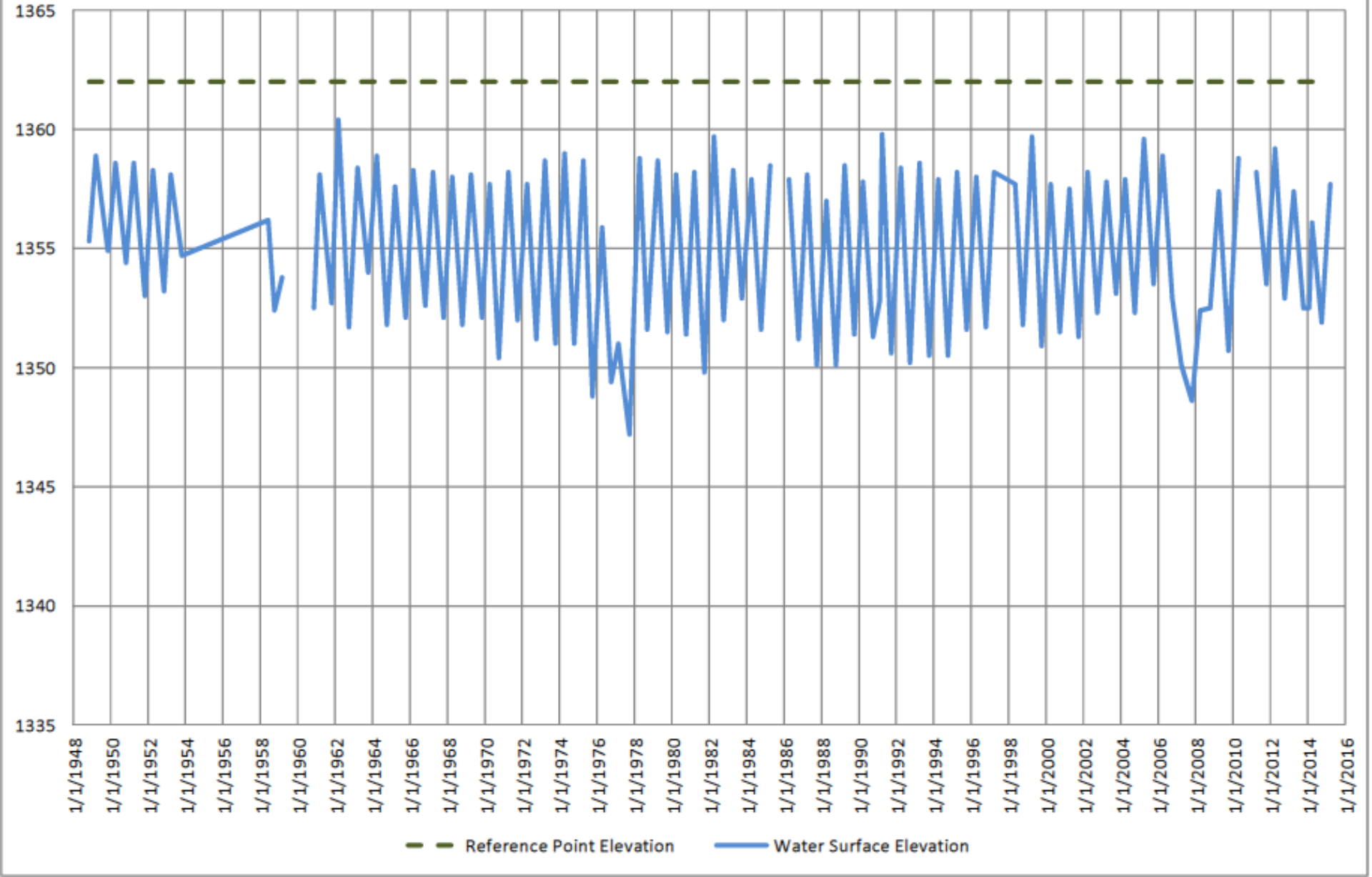
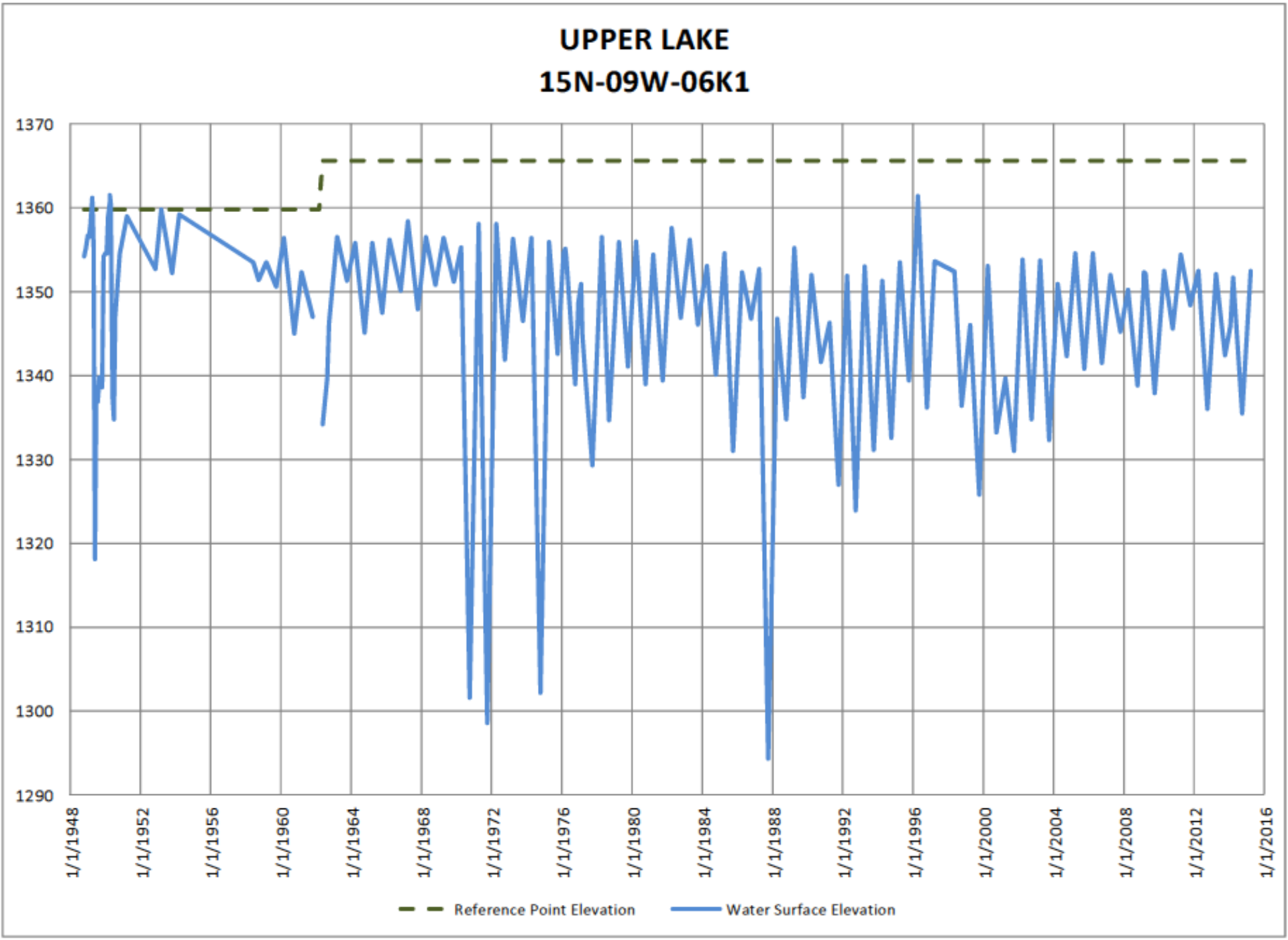
SprgAvg: 1425.6
FallAvg: 1402.8
Sprg2015: 1421.4
15N-09W-18H3
SprgAvg: 1328.1
FallAvg: 1322.6
Sprg2015: 1328.5
Hunter Point
Sleeper Peak
851 m
BACHELOR VALLEY
Upper Lake
Tule Lake
Scotts Creek
Clover Dr
Valley Rd
Tule Lake Rd
20
29

BACHELOR VALLEY
15N-10W-03D1

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1/1/1988
1/1/1992
1/1/1996
1/1/2000
1/1/2004
1/1/2008
1/1/2012
1/1/2016
Reference Point Elevation
Water Surface Elevation

Sustainable Groundwater

- Adopted in 2014 by AB 1739, SB 1168 and SB 1319
- June, 2016 State to adopt regulations for evaluating and implementing Groundwater Sustainability Plans (GSP's)
- June 30, 2017 Local Agency must identify Groundwater Sustainability Agency (GSA)
- 2 basins in Lake County rated Medium Priority
- Options
  - Single GSA with multiple plans
  - Multiple GSA with individual plans
  - Apply for Exemption