Groundwater Management Program Update

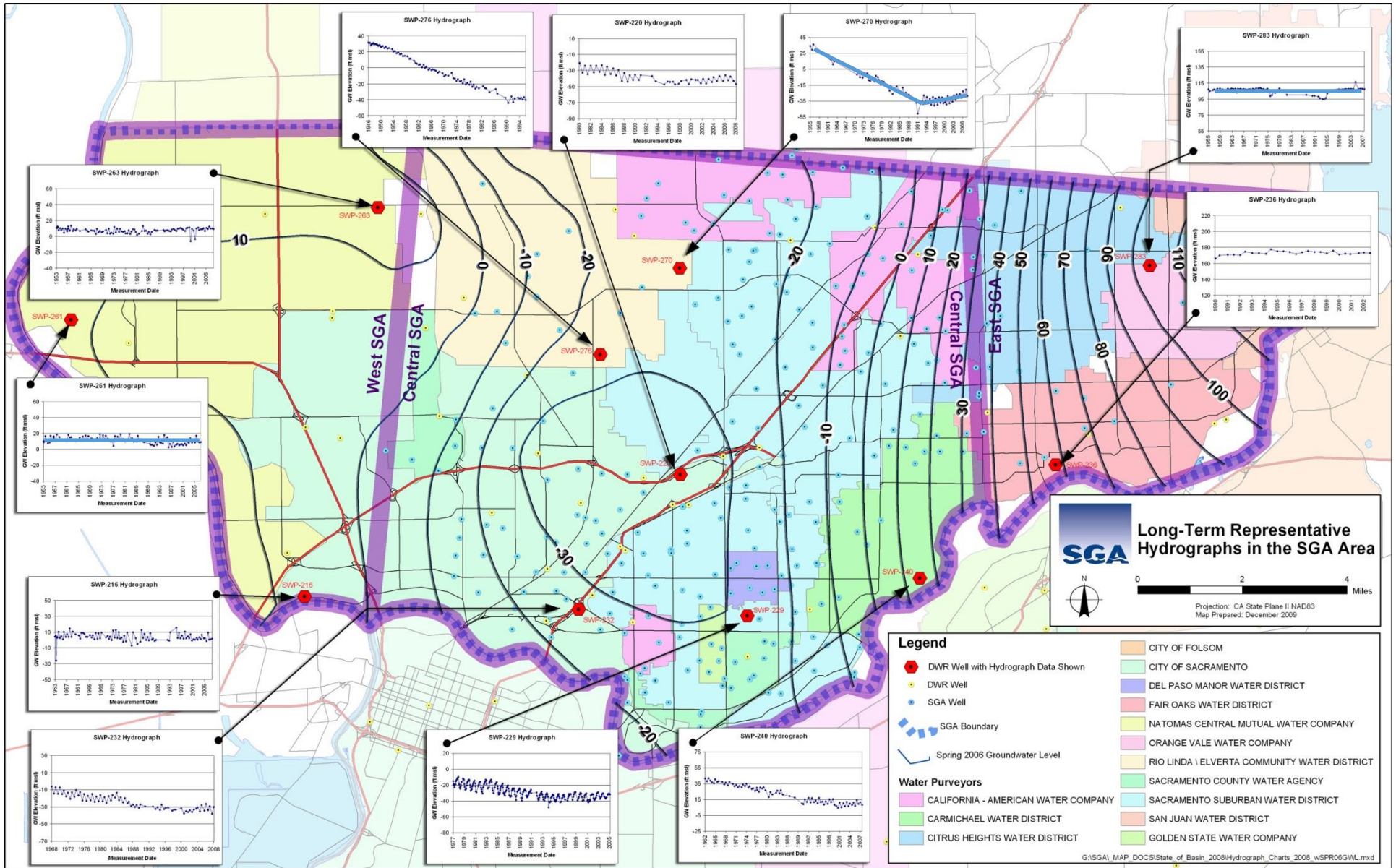
- Water Accounting Framework Update
- Groundwater Level Monitoring
- Groundwater Data Request

Need for a Framework

SGA formed :

- To maintain the long-term sustainable yield of the North Area Basin.
- To facilitate implementation of an appropriate conjunctive use program by water purveyors.

Framework Approach



Sustainability Goal

Agency	Pumping Prior to SGA (ac-ft)	Sustainability Reduction (ac-ft)	Sustainable Target (ac-ft)
Carmichael WD	7,516	870	6,646
City of Sacramento	23,287	2,696	20,591
California American Water	20,351	2,356	17,995
Del Paso Manor WD	1,657	192	1,465
Golden State WC	1,242	144	1,098
Rio Linda/Elverta Community WD	3,259	377	2,882
Sacramento County WA	4,850	562	4,288
Sacramento Suburban WD	39,622	4,587	35,035
Total	101,784	11,784	90,000

Framework Principles

- Addresses all Agencies, but Sustainability Goals only in Central Area
- Create and Track two Balances
  - Basin sustainability goal – a reduction in the demand for groundwater in the basin
  - Exchangeable water – imported surface water in excess of that needed to meet basin sustainability goal
- Effective tracking as of 2012

Principles (continued)

- Sustainability goal can be met simply by pumping less than target
- Agencies start with a zero balance for basin sustainability goal
- Negative sustainability balances can accumulate
- Basin sustainability balances are not transferrable

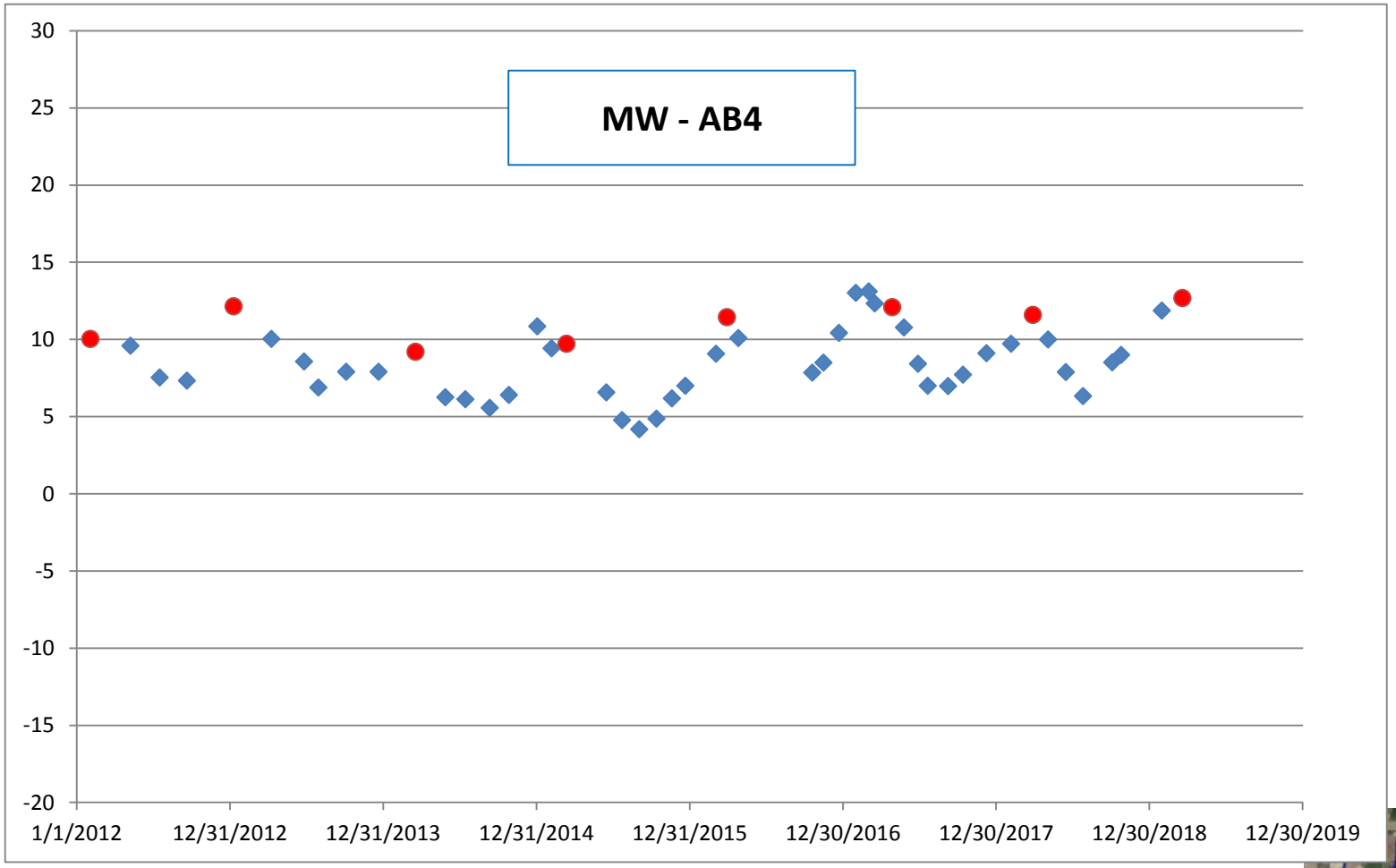
Principles (continued)

- Exchangeable water balance may be transferred to meet sustainability balances
- Must have sustainability balance to transfer exchangeable water outside basin
- 5% loss factor applies to exchanges outside basin
- Revisit Framework every five years

  **Deferred due to SGMA passage

Accounting Framework Status

Status through 2018	Basin Sustainability Balance		Exchangeable Water Balance
Carmichael WD	24,391		69,259
City of Sacramento	28,193		68,161
California American	48,505		11,396
Del Paso Manor WD	1,294		0
Golden State WC	1,226		0
Rio Linda/Elverta CWD	2,507		134
Sacramento County WA	-2,594		0
Sacramento Suburban WD	61,510		216,067
Central Area Total	165,032		365,017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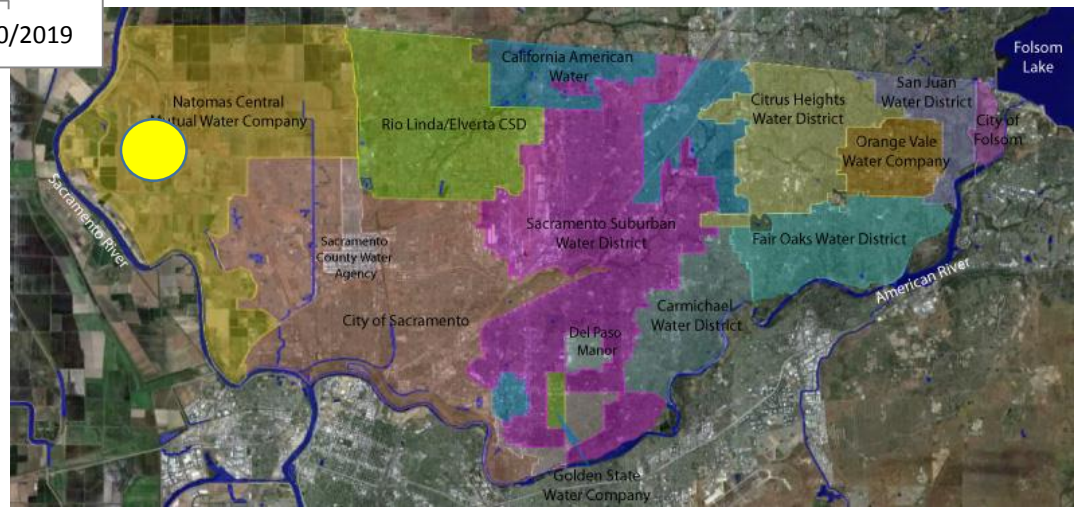
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Rio Linda/Elverta CSD
California American
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Water District
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Lake
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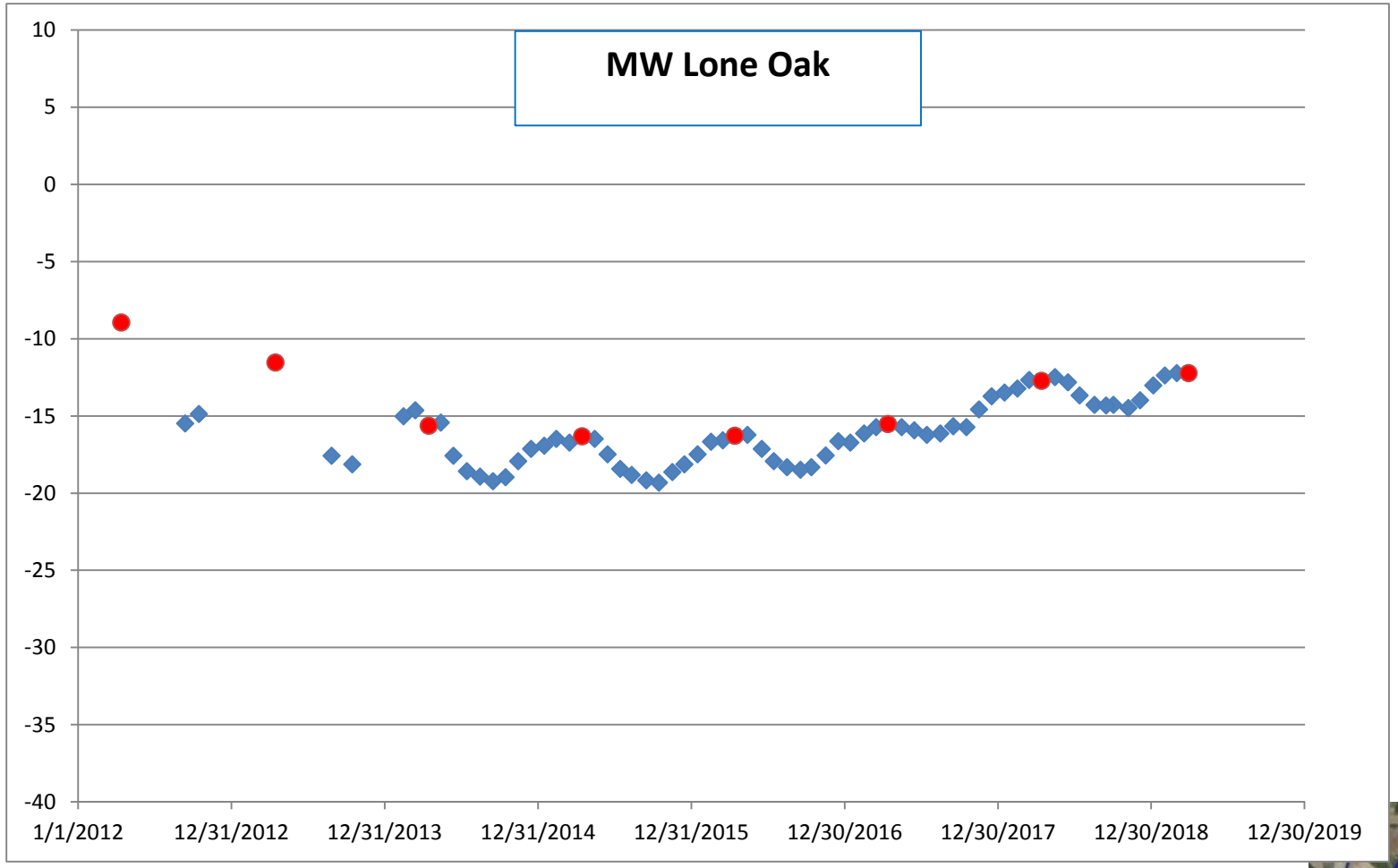
Folsom
Orange Vale
Water Company
Sacramento River
Sacramento
County Water
Agency
Sacramento Suburban
Water District
Fair Oaks Water District
American River
City of Sacramento
Carmichael
Water District
Del Paso
Manor
Golden State
Water Company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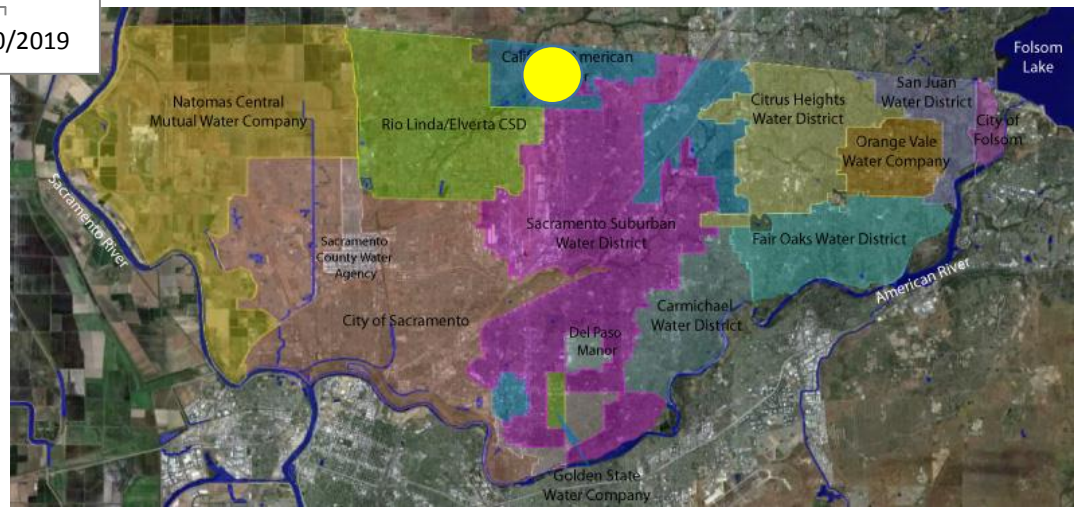
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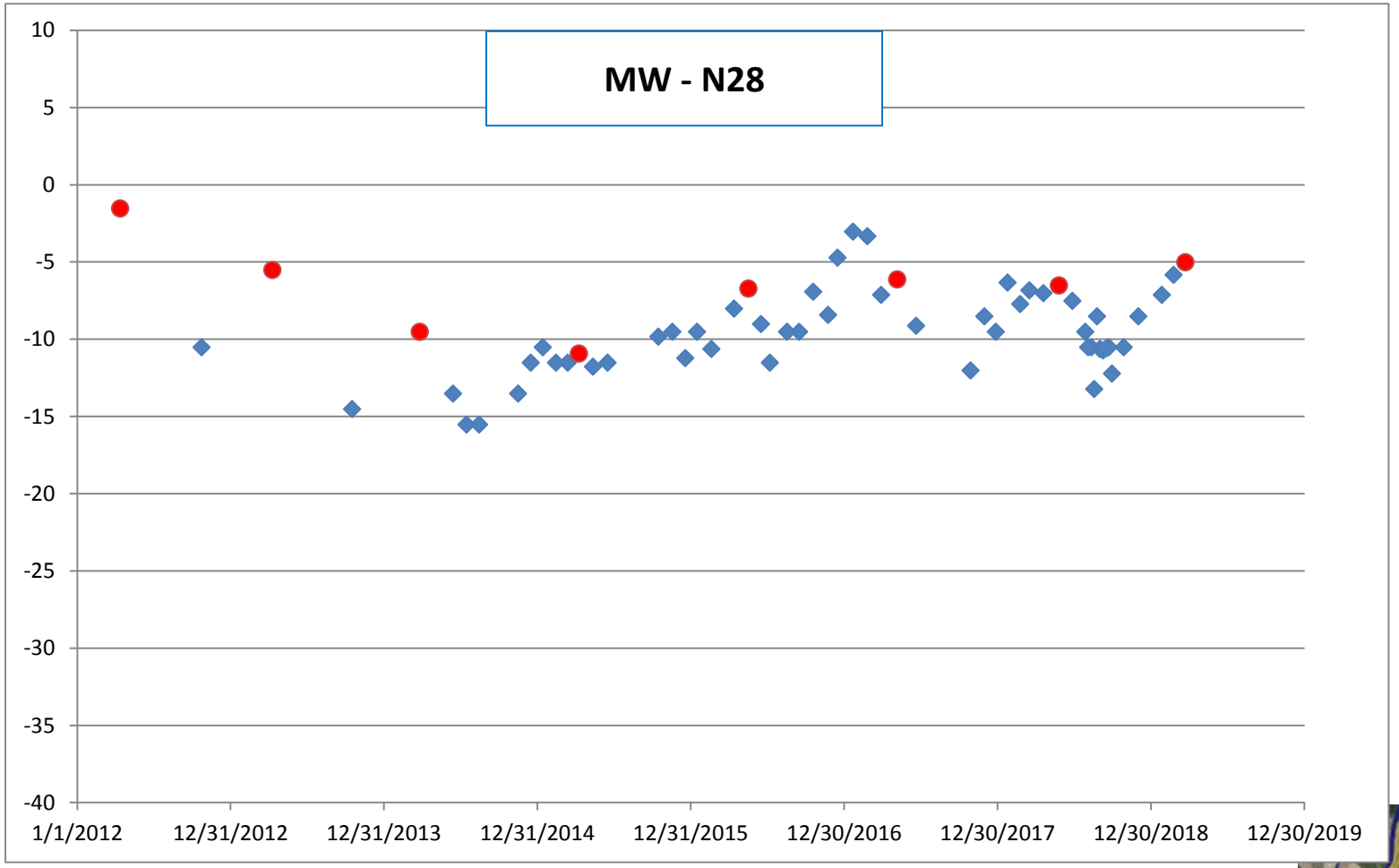
American River
City of Sacramento
Carmichael Water District
Del Paso Manor
Golden State Water Company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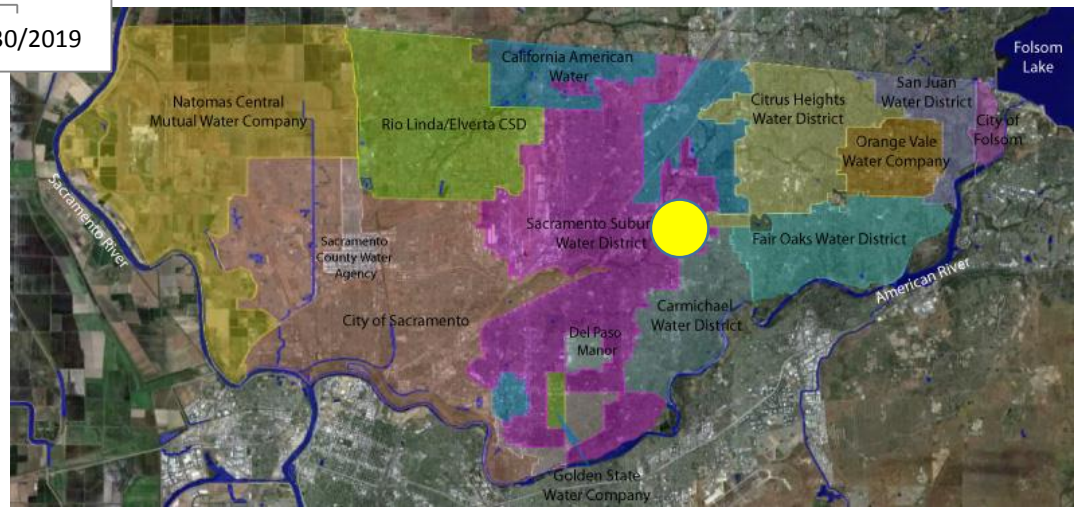
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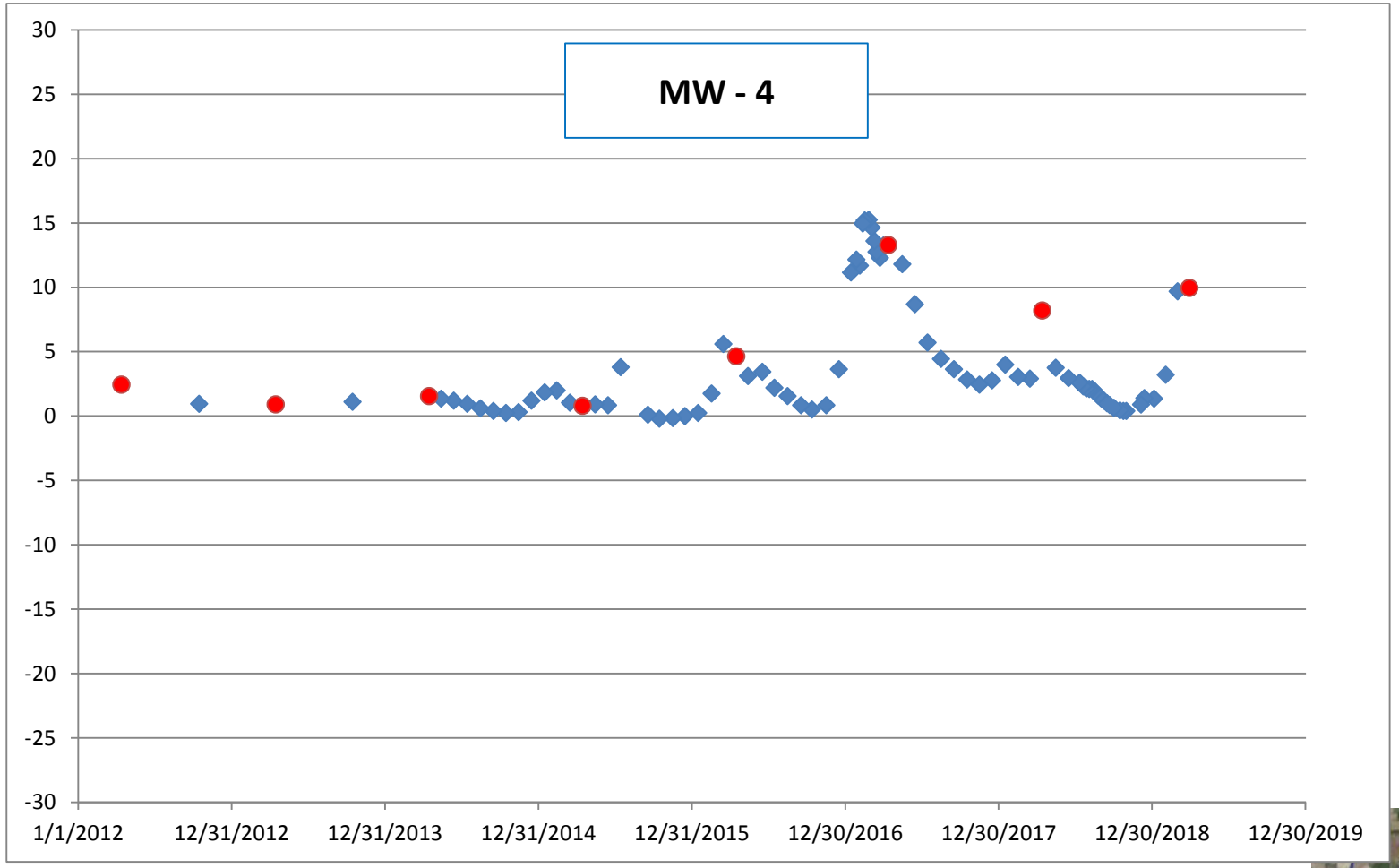
Carmichael Water District
Del Paso Manor
Golden State Water Company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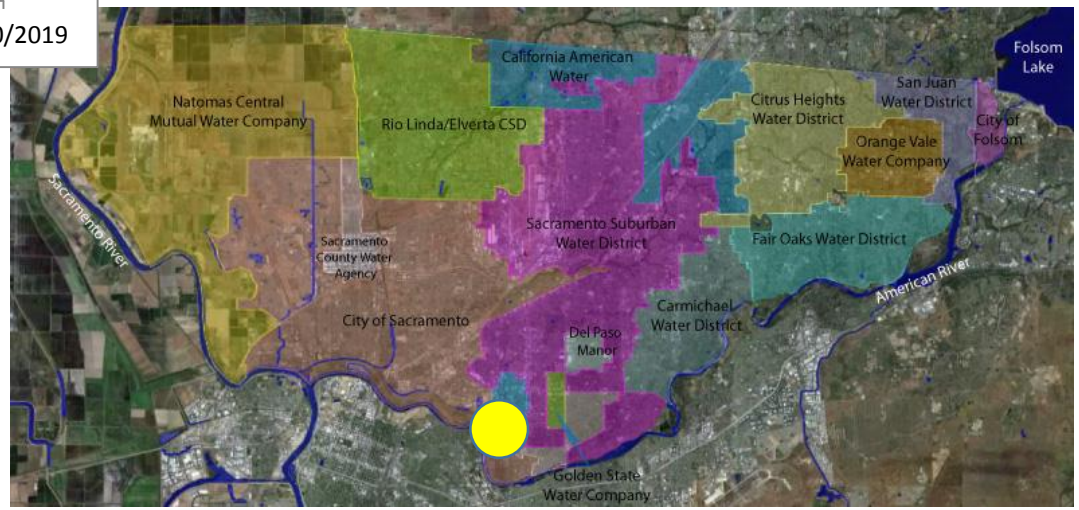
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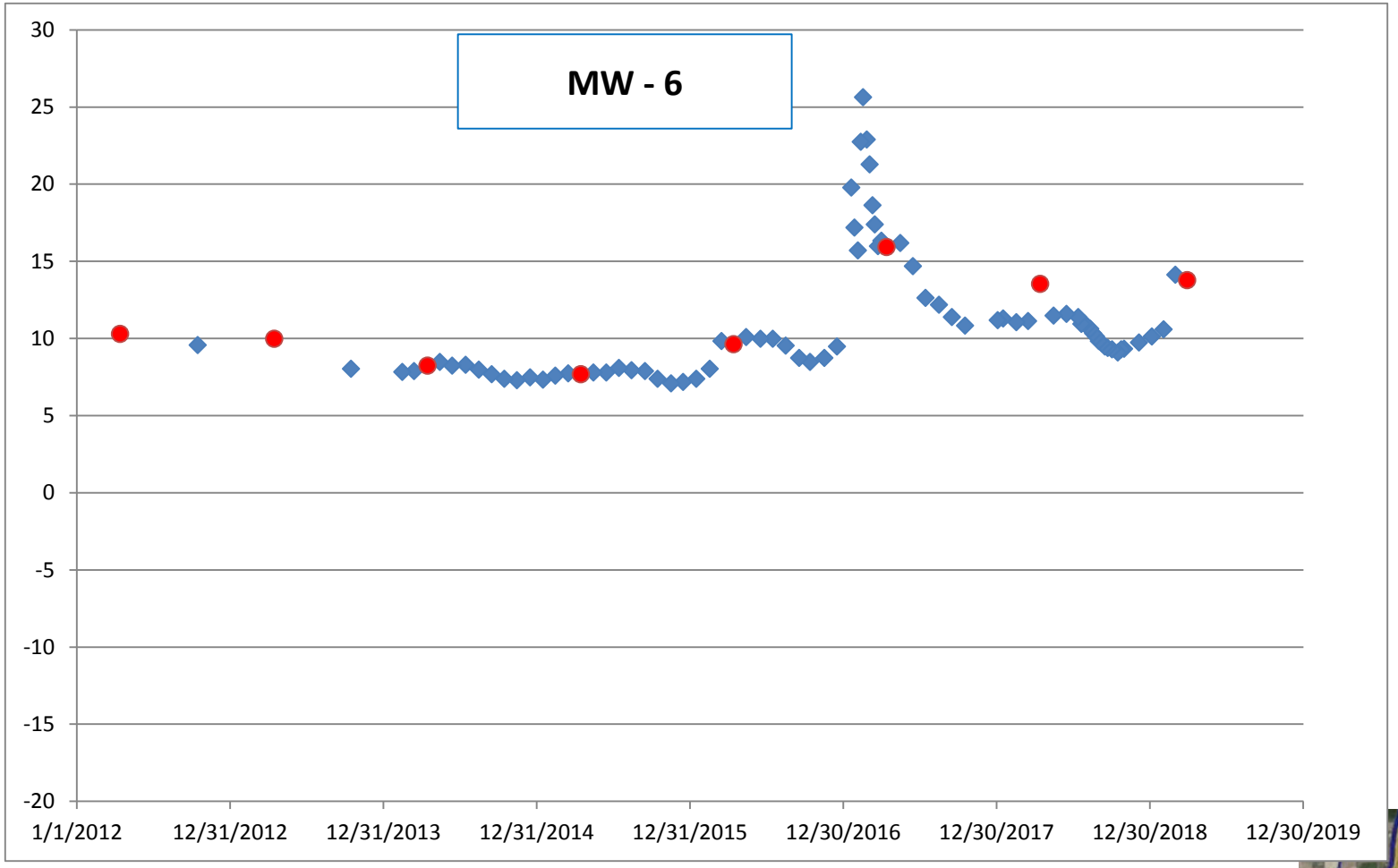
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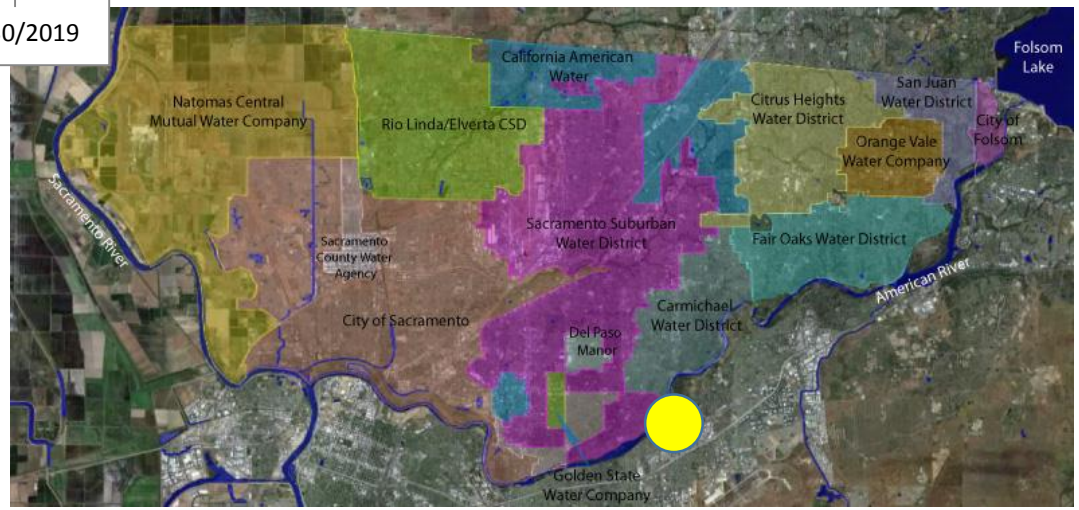
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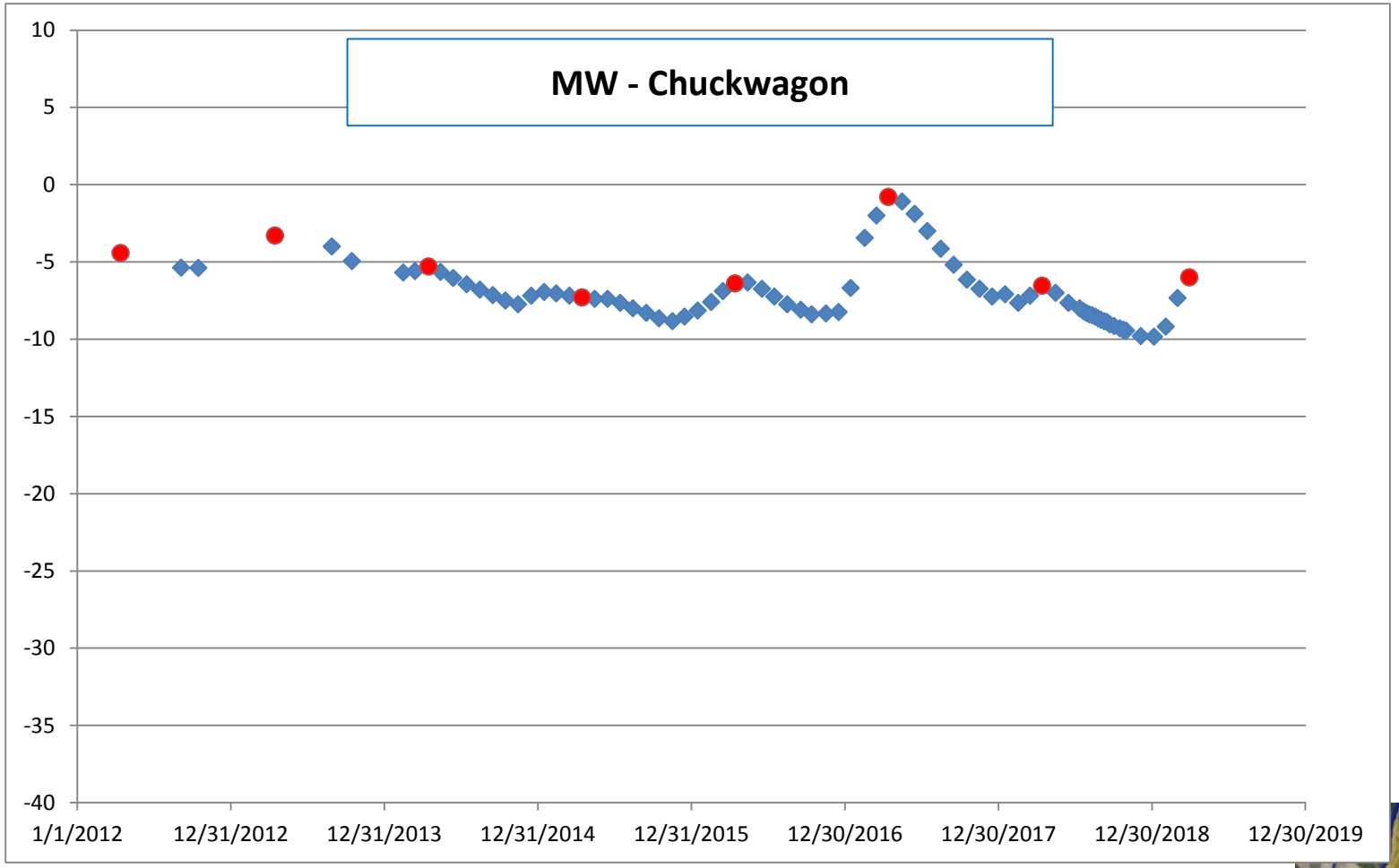
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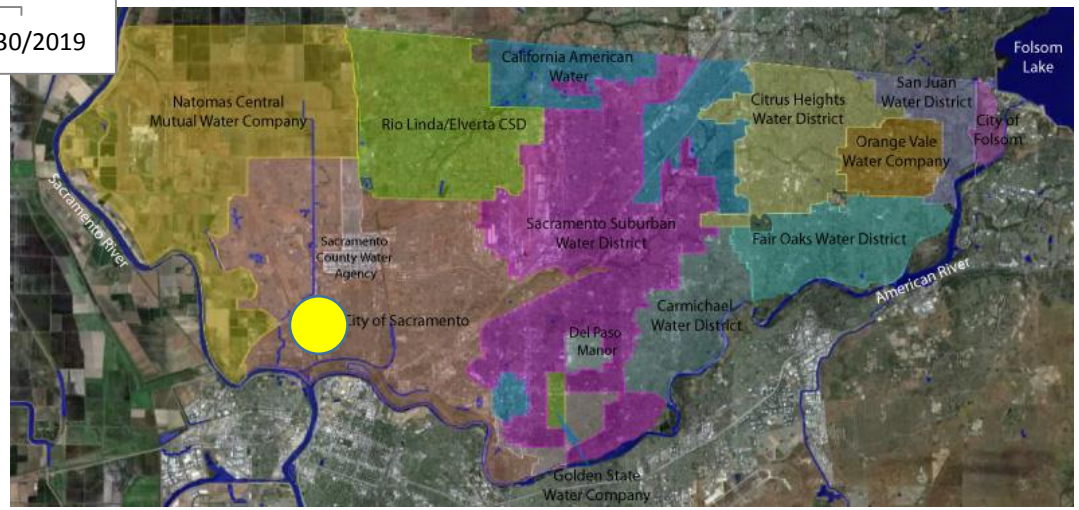
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Groundwater Data Request

- Identified in 2014 SGA Groundwater Management Plan
  - Monthly pumping by well
  - Water quality concerns
- Data already received from CHWD, CWD, DPMWD, GSWC, RLECWD, SCWA, and SSWD
- Data will be used for groundwater model update for SGMA, so surface water agencies should expect to see a request for monthly diversion data in the very near future