

2020 Groundwater Substitution Transfer

RWA Board

July 9, 2020

2020 Pilot Groundwater Substitution Transfer

Three surface water rights used:

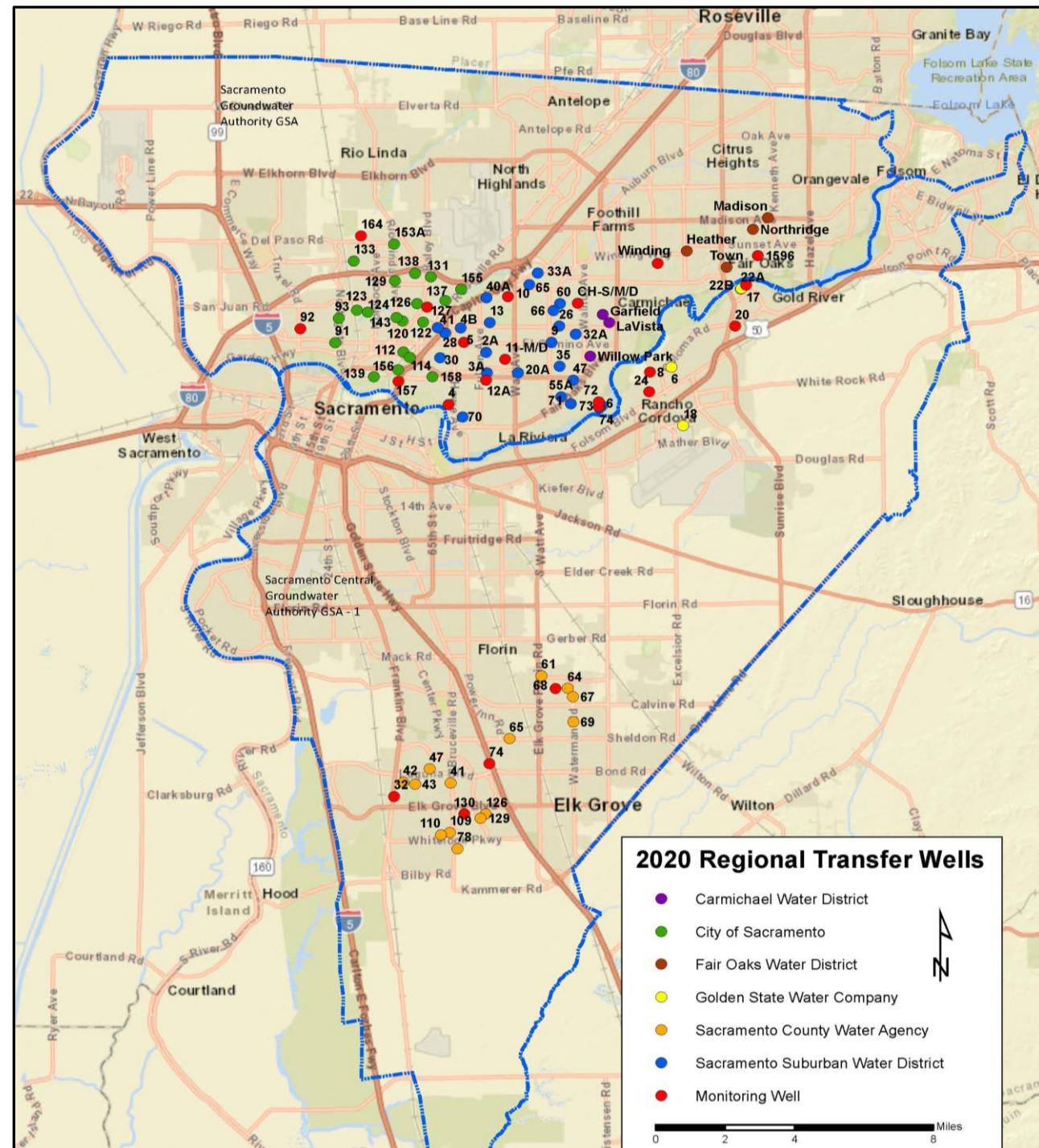
1. Golden State Water Company (pre-1914 water right) – approved July 1
2. Carmichael Water District (post-1914 water right) – approved July 7
 - Carmichael Water District groundwater
 - Fair Oaks Water District groundwater
3. City of Sacramento (post-1914 water right) – approved July 8
 - City of Sacramento groundwater
 - Sacramento Suburban Water District groundwater
 - Sacramento County Water Agency groundwater



Opening of CWD/FOWD Intertie on July 8, 2020

Program Highlights

- 68 transfer wells
- 25 additional monitoring wells
- Weekly monitoring of elevations at all wells during transfer, monthly until March 2021
- Using three interties
- Transfer July through September, with option for adding October and November

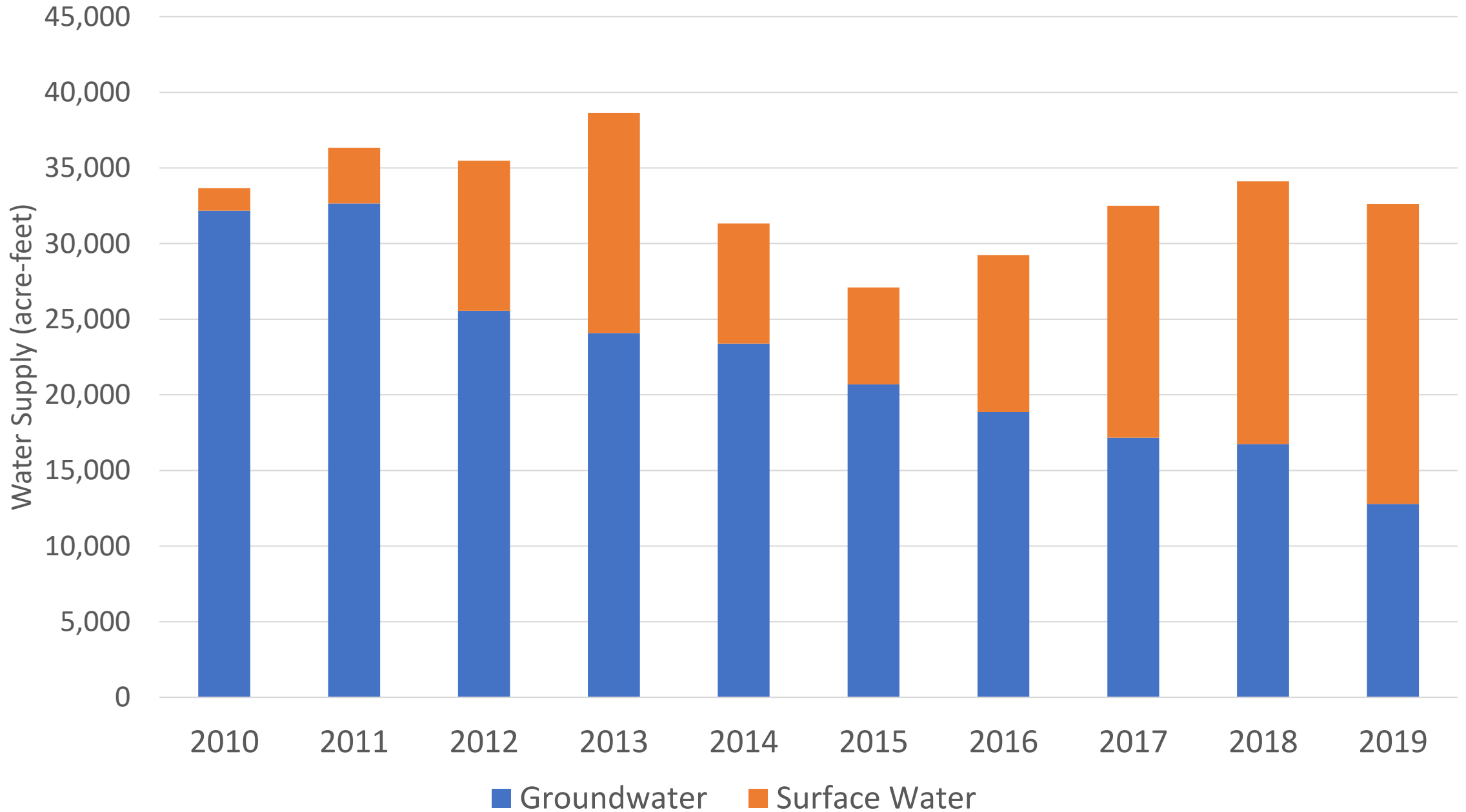


Baseline Groundwater Demand (acre-feet)							
	GSWC	SSWD	SCWA	COS	CWD	FOWD	Total
Jul	238	1,186	807	977	405	147	3,759
Aug	233	1,164	826	1,076	361	154	3,812
Sep	134	1,175	680	1,055	303	93	3,439
Oct	235	853	N/A	1,111	177	N/A	2,377
Nov	356	459	N/A	1,015	58	N/A	1,889
	1,196	4,836	2,312	5,233	1,305	393	15,275
2020 Planned Groundwater Production (acre-feet)							
	GSWC	SSWD	SCWA	COS	CWD	FOWD	Total
Jul	888	3,376	1,307	1,747	555	417	8,289
Aug	883	3,264	1,326	1,876	561	424	8,332
Sep	884	2,965	1,180	1,925	528	363	7,844
Oct	685	2,113	N/A	1,921	500	N/A	5,219
Nov	356	1,629	N/A	1,755	350	N/A	4,091
	3,696	13,346	3,812	9,223	2,495	1,203	33,775

Maximum surface water transfer with 13% stream depletion adjustment

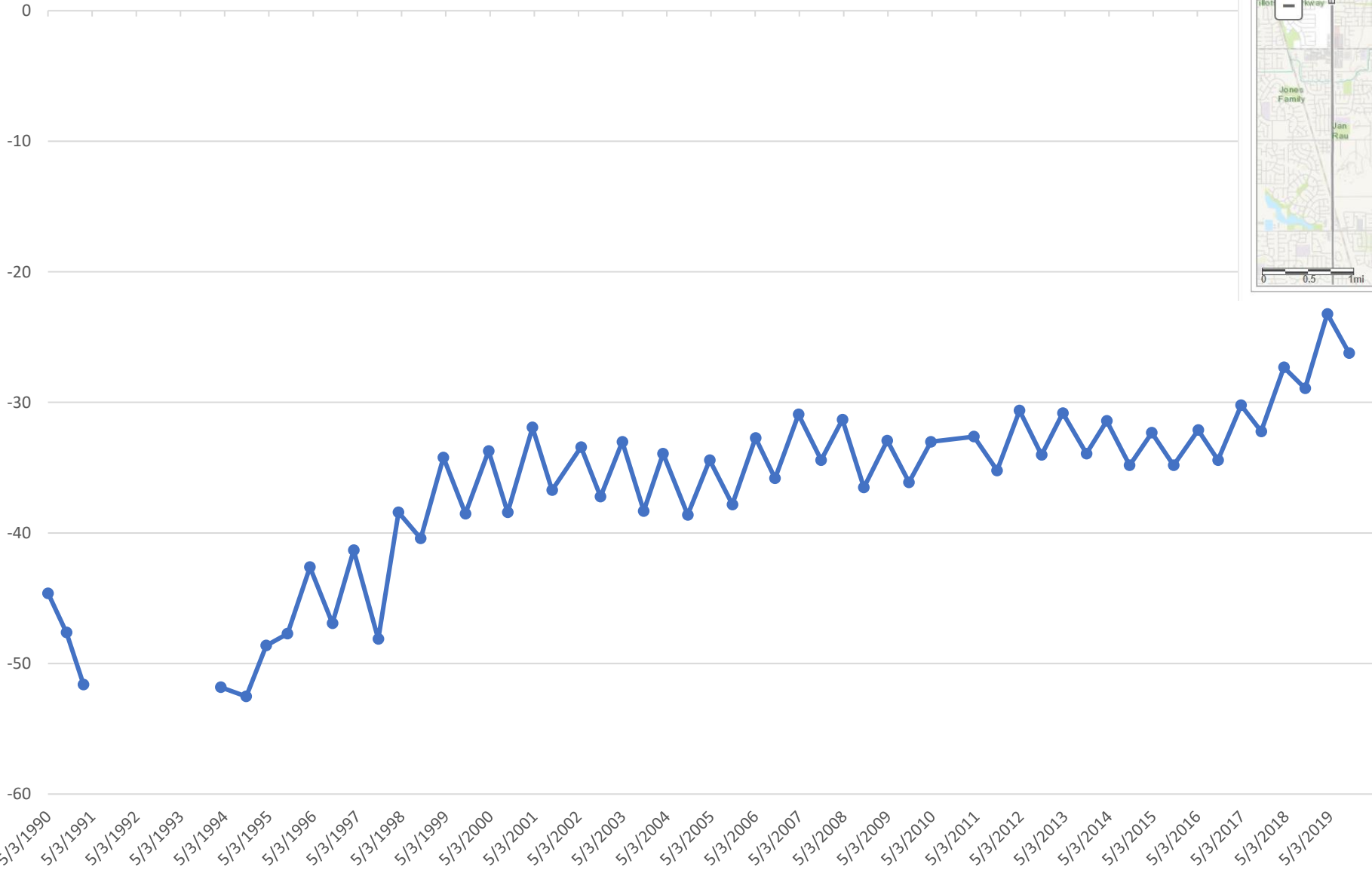
Values in (acre-feet)	GSWC	City of Sacramento			CWD		Total SW to Transfer
	own serv.	from SSWD	from SCWA	own serv.	own serv.	from FOWD	
Jul	566	1,905	435	670	131	235	3,941
Aug	566	1,827	435	696	174	235	3,932
Sep	653	1,557	435	757	196	235	3,832
Oct	392	1,096	0	705	281	0	2,473
Nov	0	1,018	0	644	254	0	1,916
Total	2,175	7,404	1,305	3,471	1,035	705	16,095

SCWA Water Supply in South American Subbasin since 2010



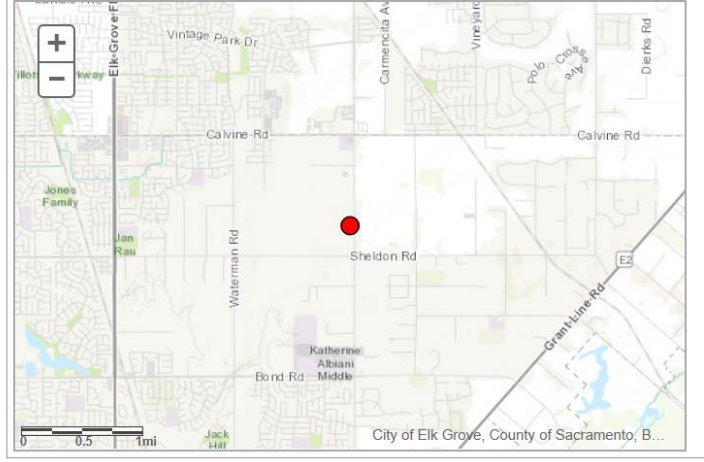
Long-term Hydrograph in SCWA

SCGA #8

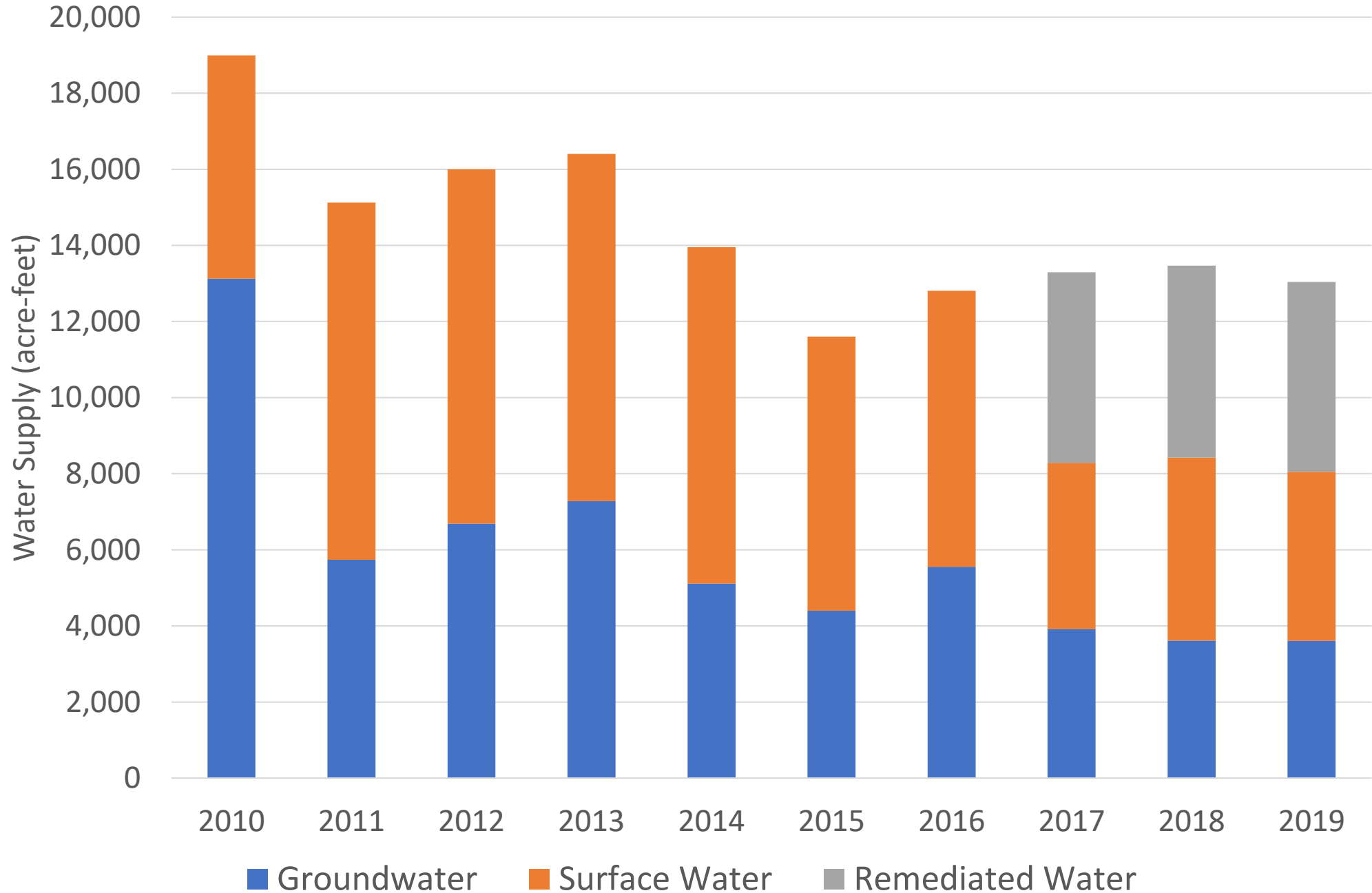


State Well Number: 07N06E20J001M
Local Well ID: SCGA #8
Site Code: 384417N1213354W001
Latitude (NAD83): 38.441700
Longitude (NAD83): -121.3354
Groundwater Basin (code): South American (5-021.65)

Well Use: Irrigation
Well Status: Active
Well Completion Report Number:
Reference Point Elevation (NAVD88 ft): 61.380
Ground Surface Elevation (NAVD88 ft): 59.380
Total Depth (ft):
Perforated Interval Depths (ft):



GSWC Water Supply in South American Subbasin since 2010



Long-term Hydrograph in GSWC

