

DAMMP Update for the Delta Measurement Experimentation Consortium

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SWRCB- Cal EPA

Background

Equipment:

- 3 New MACE AgriFlo XCI meters
- 1 Existing MACE FloPro XCI meter
- 1 Mark 1 Test Site + Weir + Tidal gage
- GOAL:
Better Correlate Consumptive Use to Rate of Diversion in Anticipation of Satellite Measurement in lieu of CIMIS measurements.

Equipment Issues

- Voltage/Batteries
- Software/Firmware
- Card replacement
- Data: Changed logging interval

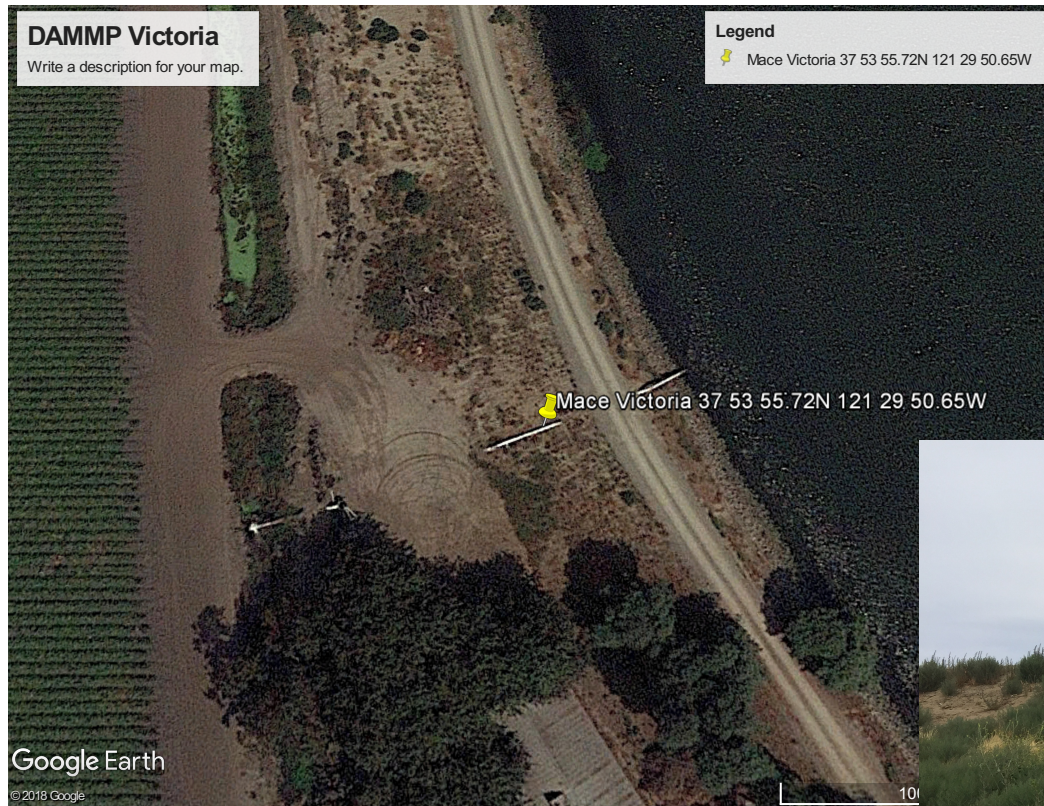
Current Issues

- Data- Gaps d(Mussi#1)

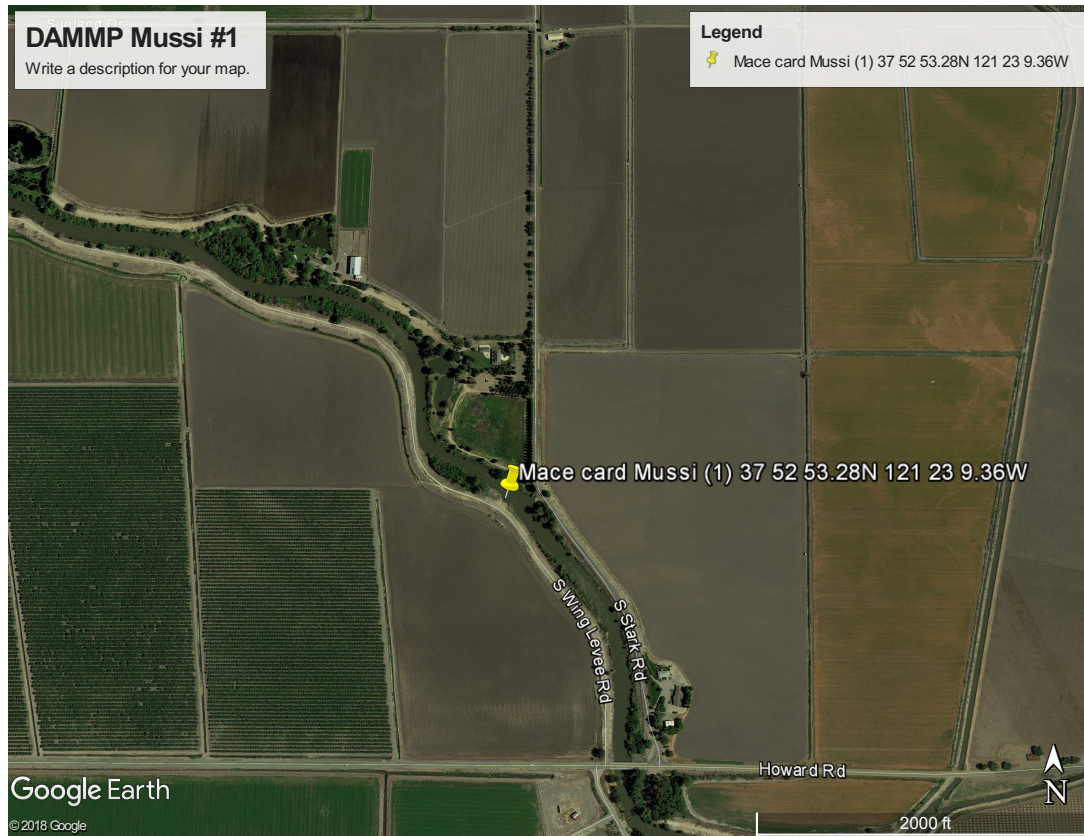
Jones



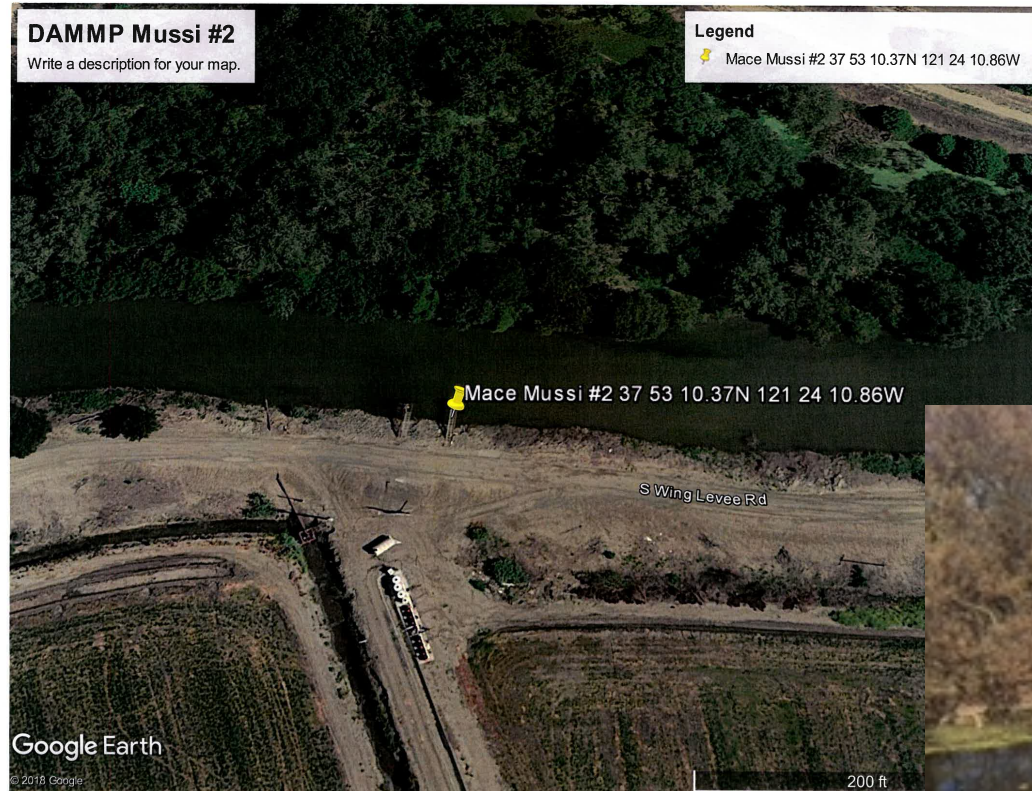
Victoria



Mussi#1



Union_W



Te Velde



DAMMP DATA

Meter Name	Grower	Statement #	Acreage Served	Crop Type	Irrigation Method	Volume of Water Moved (Acre-feet)	2018							
							January	February	March	April	May	June		
Jones	Willow Tree (Foppiano)	S019261	67.8	Corn	Flood	Meter Data (MD)	0	0	0	0	0	25.1	JUNE MD/CU = .627	
						DAMMP .xls (CU)	5.71	6.21	8.62	6.55	11.19	40.02		
						DAMMP .xls (CU x 1.6)	9.13	9.94	13.79	10.49	17.9	64.04		
Victoria	Victoria Island L.P. (Jercovic)	S021275	315.4	Tomatoes (46.4) [Wheat (269)]	Drip	Meter Data (MD)	N/U	N/U	N/U	N/U	N/U	45.52	Meter Data not utilized due to uncertain split between wheat and Tomatoes JUNE MD/CU=1.43	
						DAMMP .xls (CU)	3.91	4.25	4.55	2.54	11.23	31.83		
						DAMMP .xls (CU x 1.25)	4.88	5.31	5.69	3.17	14.04	30.79		
Mussi #1	Rudy M Mussi Investment L.P.	S018646	170	Alfalfa	Flood	Meter Data (MD)	N/U	N/U	N/U	N/U	N/U	N/U	Meter Data not utilized due to apparent malfunction	
						DAMMP .xls (CU)	9.79	26.33	29.09	41.86	49.85	69.14		
						DAMMP .xls (CU x 1.6)	15.67	43.13	46.55	66.98	79.76	110.62		
Union_W	Rudy M Mussi Investment L.P.	S018637	224.3	Almonds	Drip	Meter Data (MD)	1.59	22.21	3.18	41.99	43.74*	118.32	* Meter was not in service from 5/4-5/18 JUNE MD/CU =.914	
						DAMMP .xls (CU)	18.37	22.09	24.21	46.5	93.73	129.39		
						DAMMP .xls (CU x 1.25)	22.96	27.62	30.27	58.13	117.16	161.74		

Looking Forward

- Tidal Influences & potential physical limitations of instrumentation.
- Potential Variables: Planting dates; photo period; climatic conditions.