

Delta Area Measuring Method Program (DAMMP)

Program – Evaluate measuring and data transmission devices and increase the understanding of different irrigation configurations with the ultimate goal of having a limited number of representative water meters to use in conjunction with consumptive use measurements from CIMIS devices or hopefully satellite sensor measurements to satisfy diversion measurement requirements.

Five (5) Diversion Measuring Locations with Seven Measuring Devices:

Willow Tree – Lower Jones Tract – Lower Jones Tract Road along Empire Cut Siphon Mace Meter and pressure sensor. Typical siphon irrigation field corn.

Mussi # 2 – Union Island – Middle River – Northwest of Howard Road Bridge. Mace Meter. River pump supply to micro sprinkler of Almonds. Pump maintains pressure into closed system.

Mussi # 1 – Union Island – Middle River Northwest of, but closer to Howard Road Bridge. Mace Meter. River pump supply to open ditch for surface irrigation of mixed crops.

Victoria Island – Middle River North of Hwy 4. Siphon supply to stand pipe with overflow from which pump feeds drip irrigation system for mixed crops.

TeVelde – Lower Jones Tract – Lower Jones Tract Road along Empire Cut - Cipoletti Weir in ditch. Siphon supply to standpipe feeding ditch. Pressure sensor also installed. Surface irrigation of mixed crops.

Note: Whiskey Slough River water level measuring station installed in connection with pressure sensors.

DAMMP Willow Tree

Write a description for your map.


Legend

 Mace Willow Tree 37 58 14.90N 121 29 51.87

Zuckerman Rd

Empire Cut

s Rd

 Mace Willow Tree 37 58 14.90N 121 29 51.87

Google Earth

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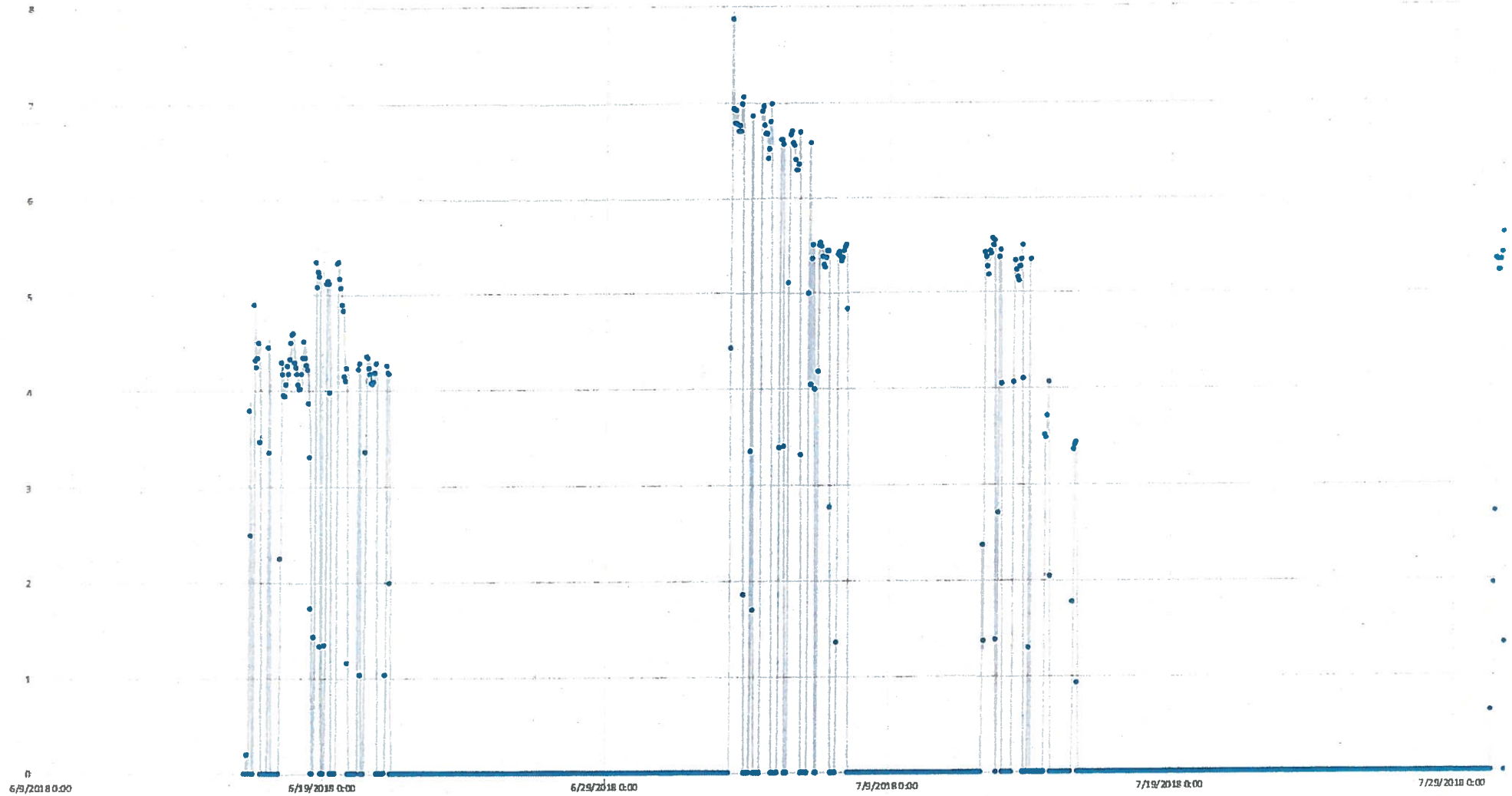
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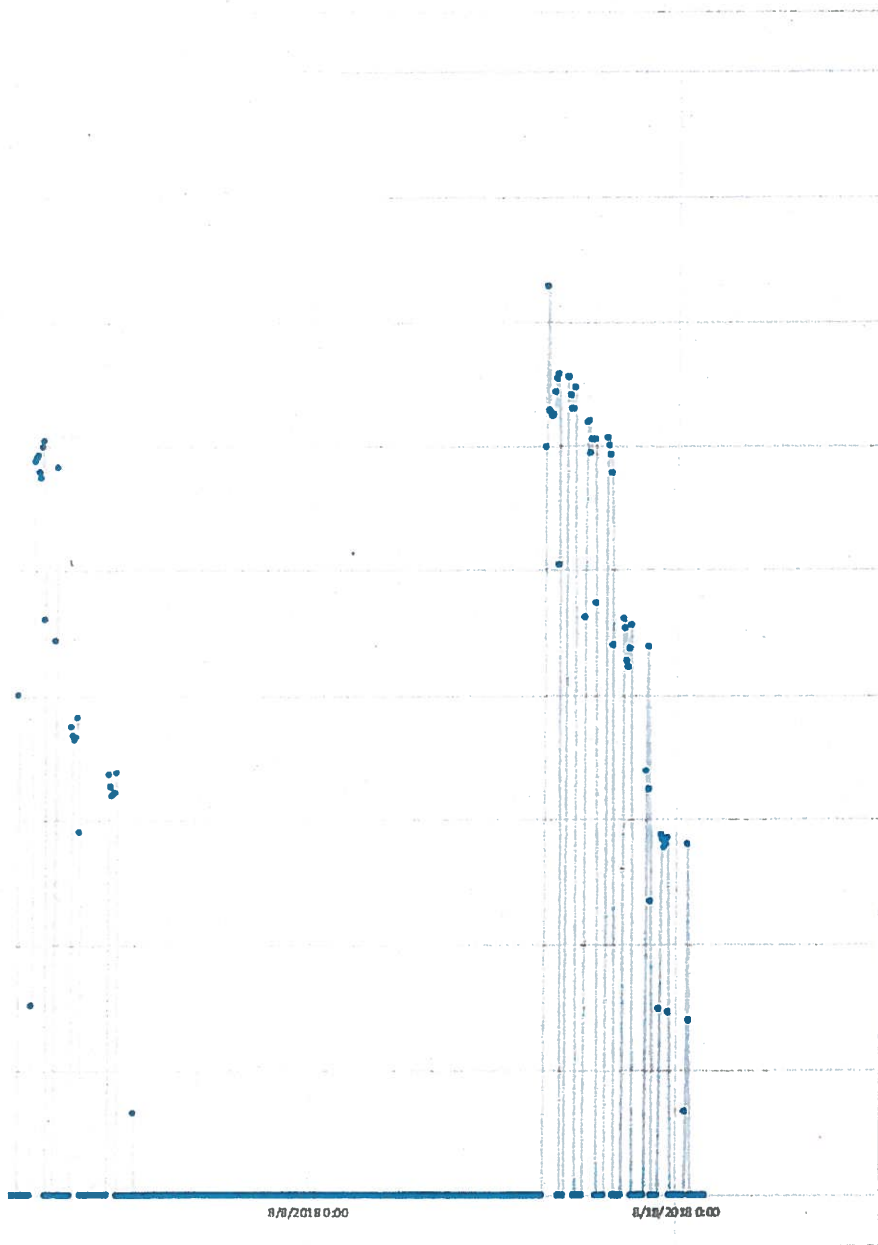


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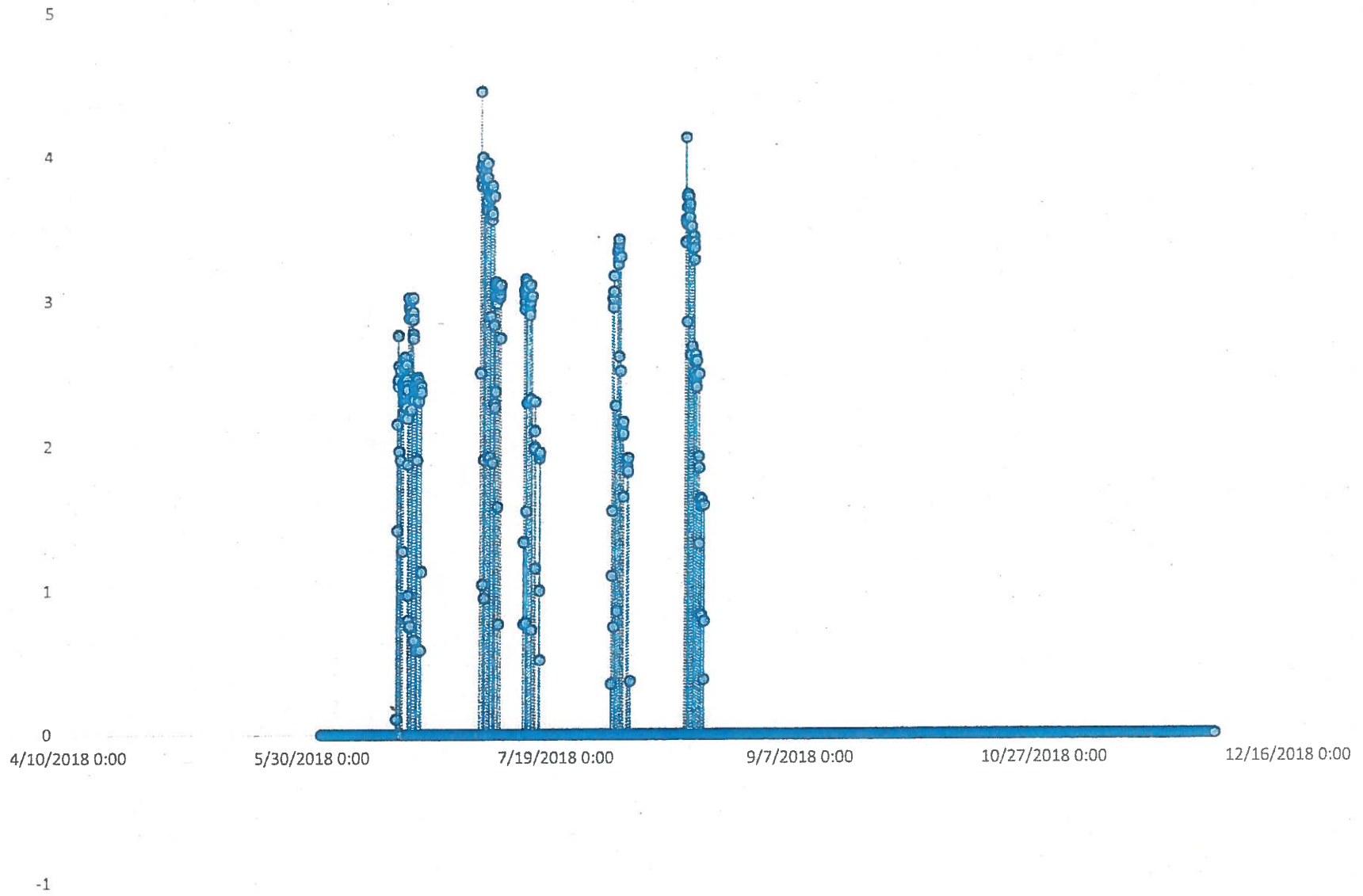
Willow Tree Farms – Mace Meter – sub-irrigation
Field Corn
Lower Jones Tract – Empire Cut

Jones June-August





Jones May- Nov 2018 (CF/S)



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Site data

All times shown on this page are site local time.

!Program,WCSM,V1.04.8

!Device,"AgriFlo"

!SerialNo,55314

!Ident,"Jones"

Siphon - corn Willow Tree

!Version,V3.10.5

!Upload interval,60

!Channels,3

!Names

velocity

flow

net flow

!Units

ft/s

cuft/s

acft

!Interval,3600

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2018/06/19 01:00:00

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2018/06/19 02:00:00

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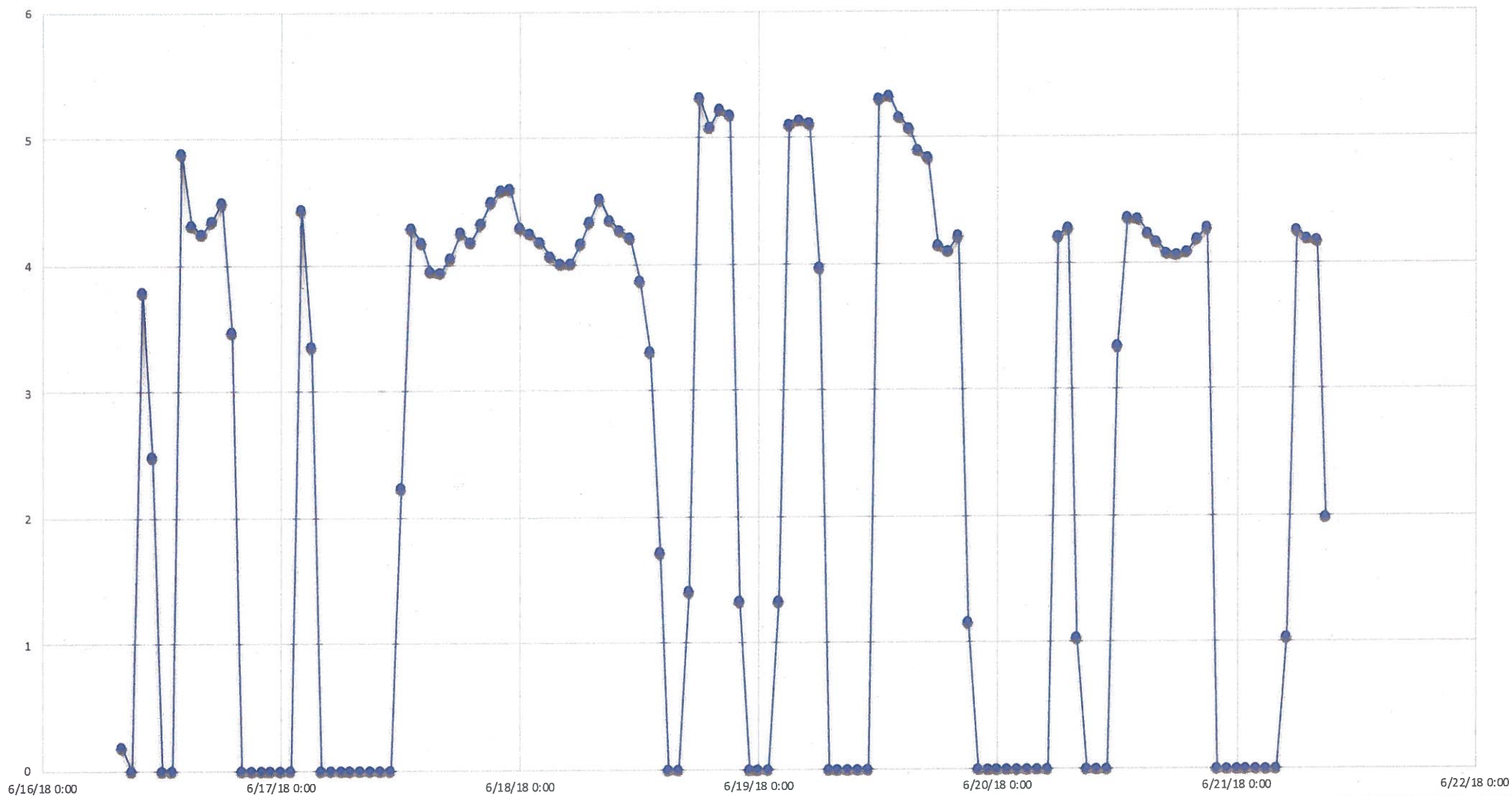
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Jones (Willow Tree) MACE Meter DAMMP Data (CF/S)



DAMMP Mussi #2

Write a description for your map.

Legend

 Mace Mussi #2 37 53 10.37N 121 24 10.86W

 Mace Mussi #2 37 53 10.37N 121 24 10.86W

S Wing Levee Rd

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200 ft

Google Earth

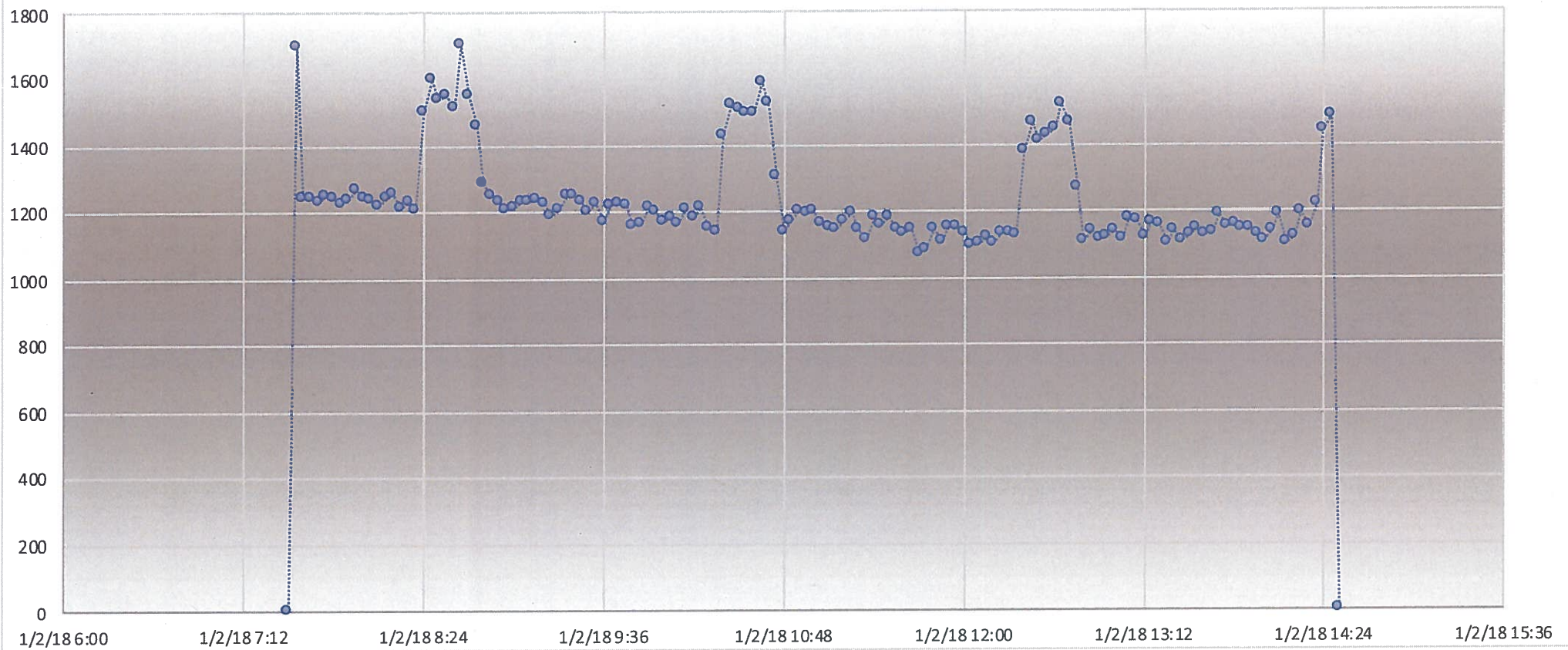
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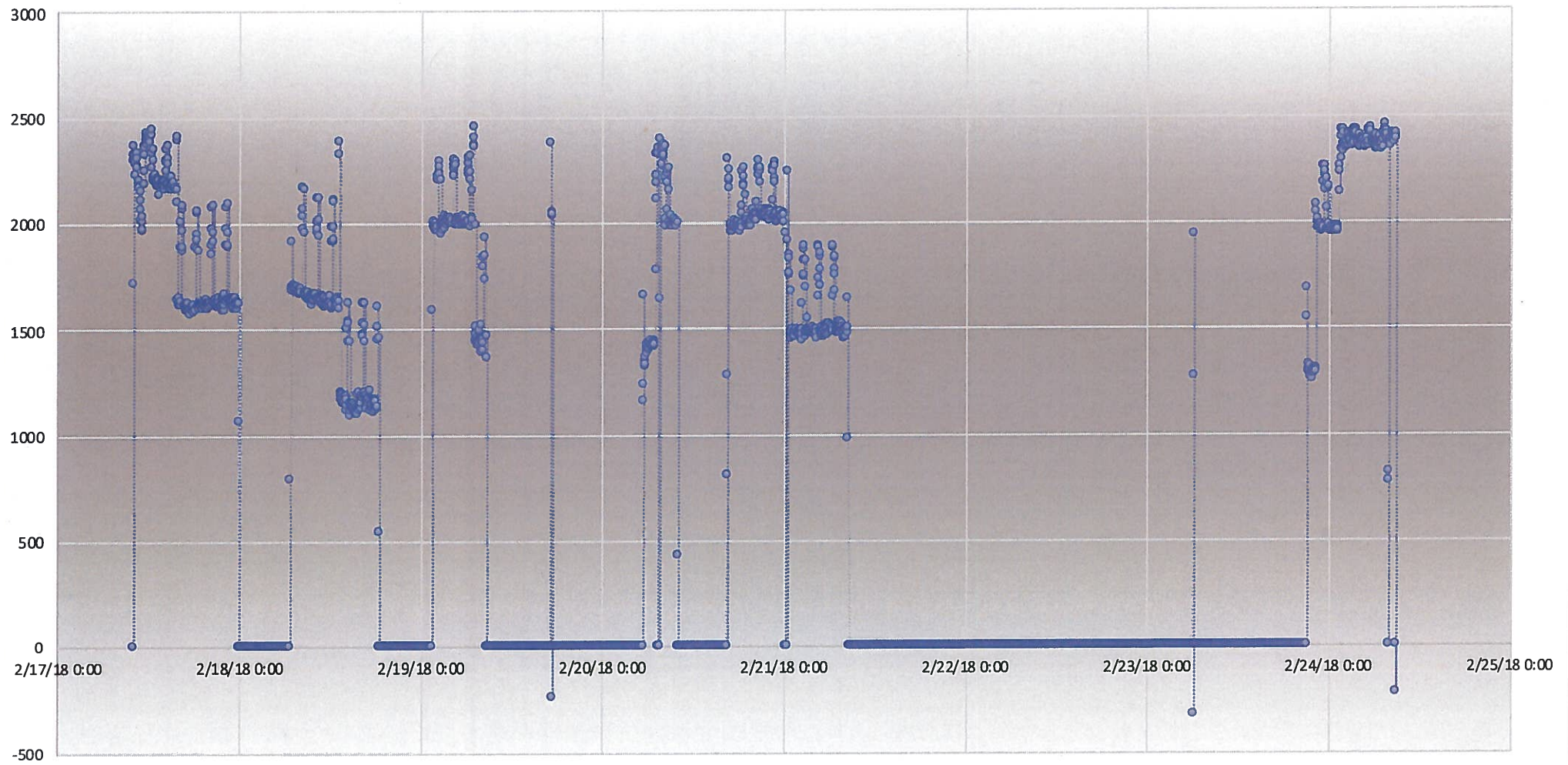
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Mussi #2 Mace Meter – micro sprinkler
Almonds
Union Island - Middle River

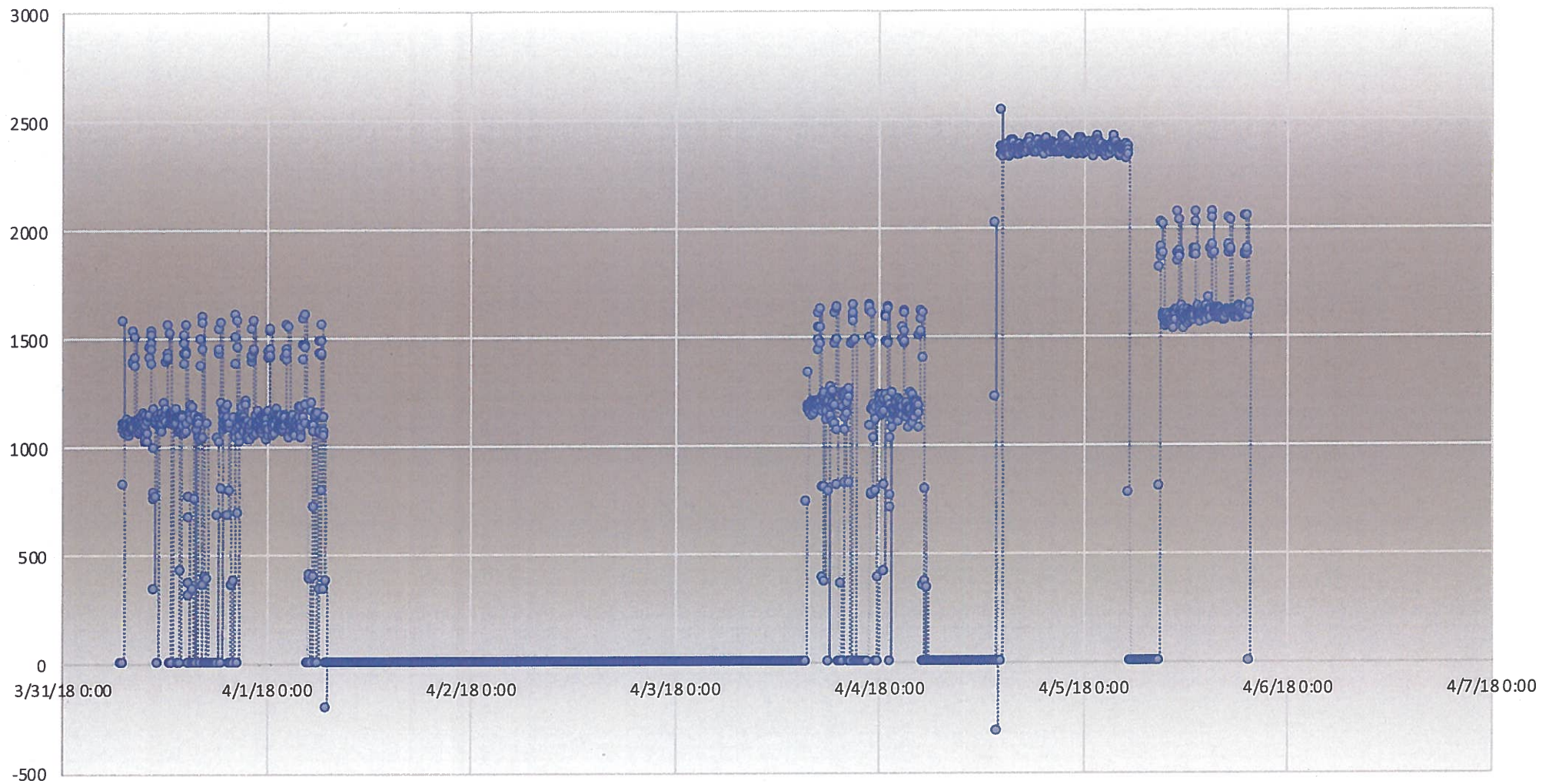
Mussi #2 (Union W) Mace Data for DAMMP January Irrigation (Gal/min)



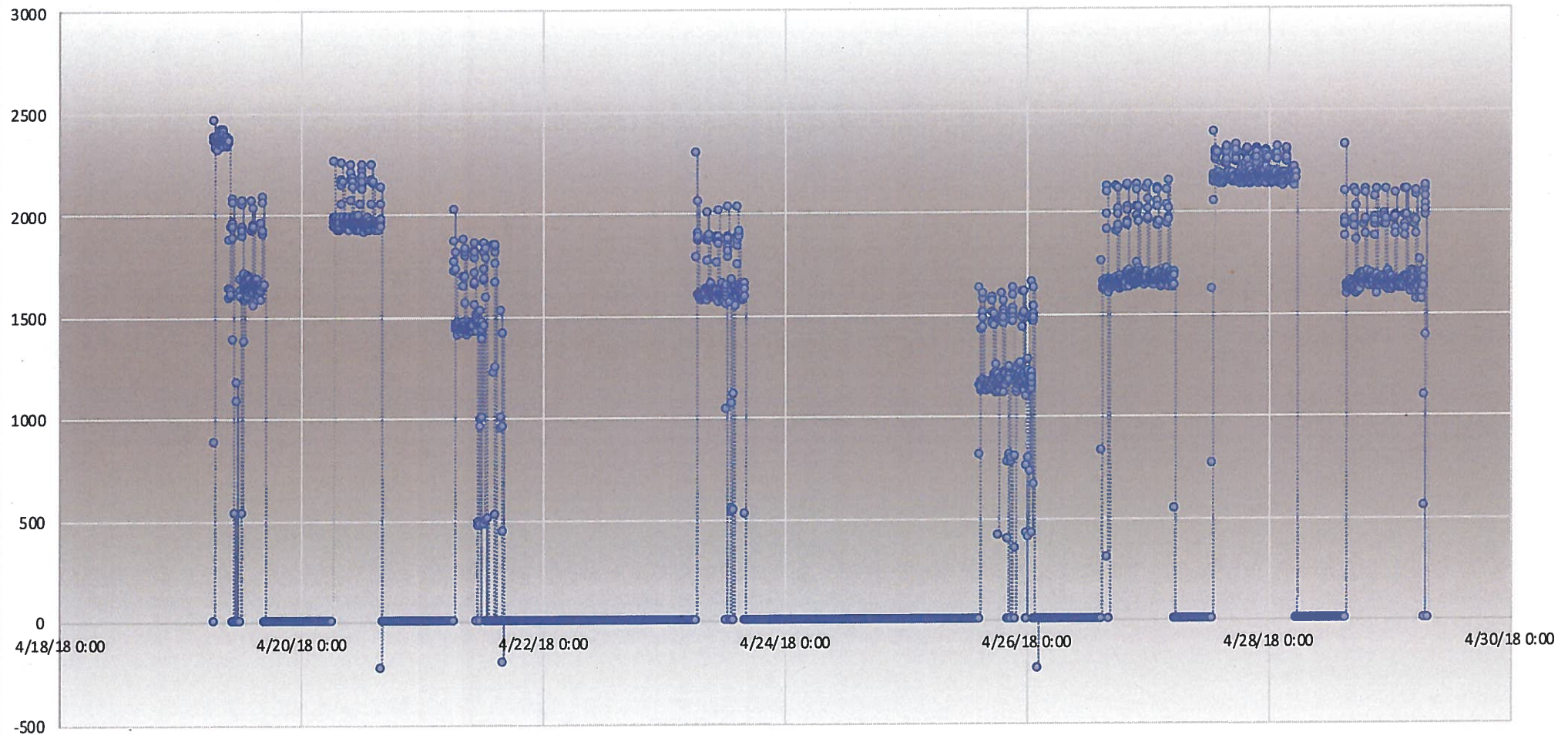
Mussi #2 (Union W) Mace Data for DAMMP February Irrigation (Gal/min)



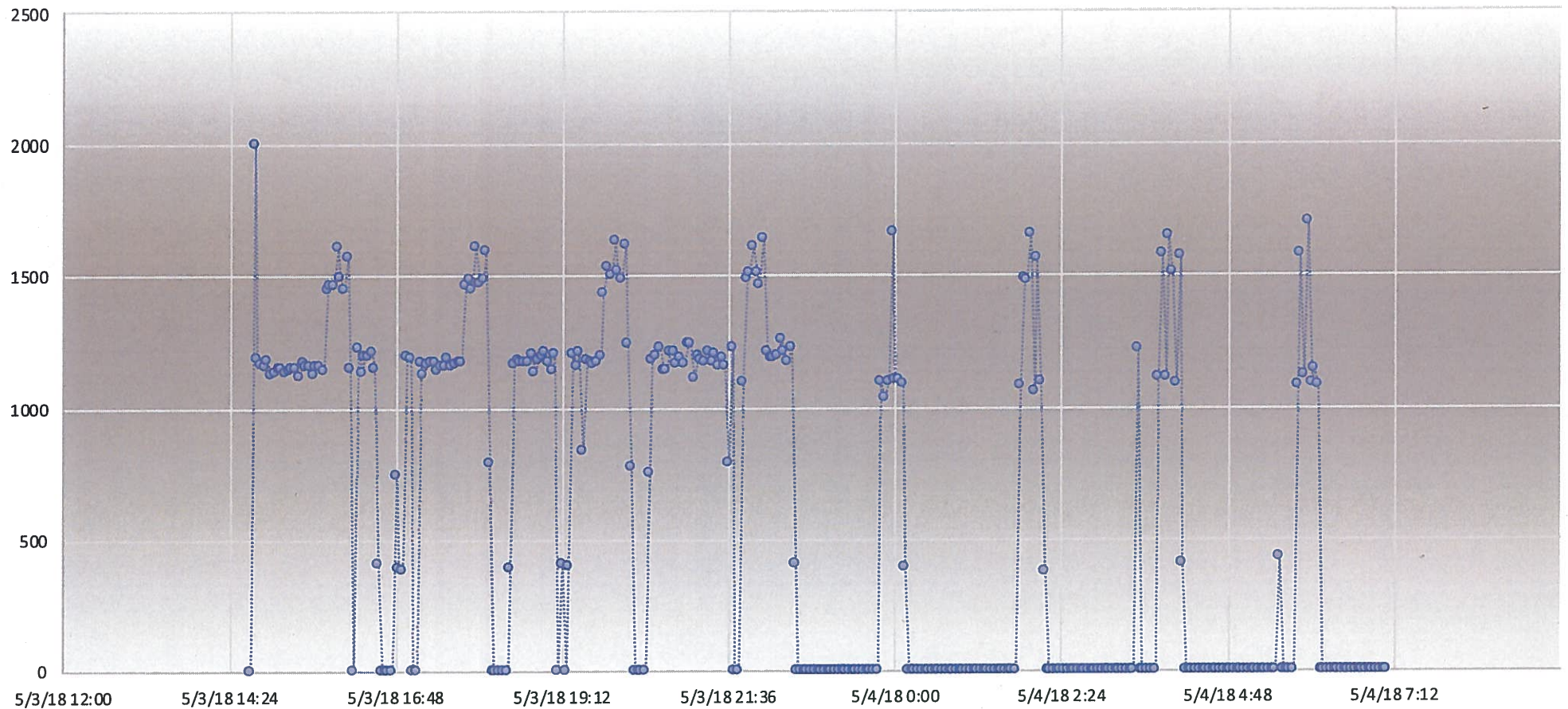
Mussi #2 (Union W) Mace Data for DAMMP March 31st to April 6th Irrigation (Gal/min)



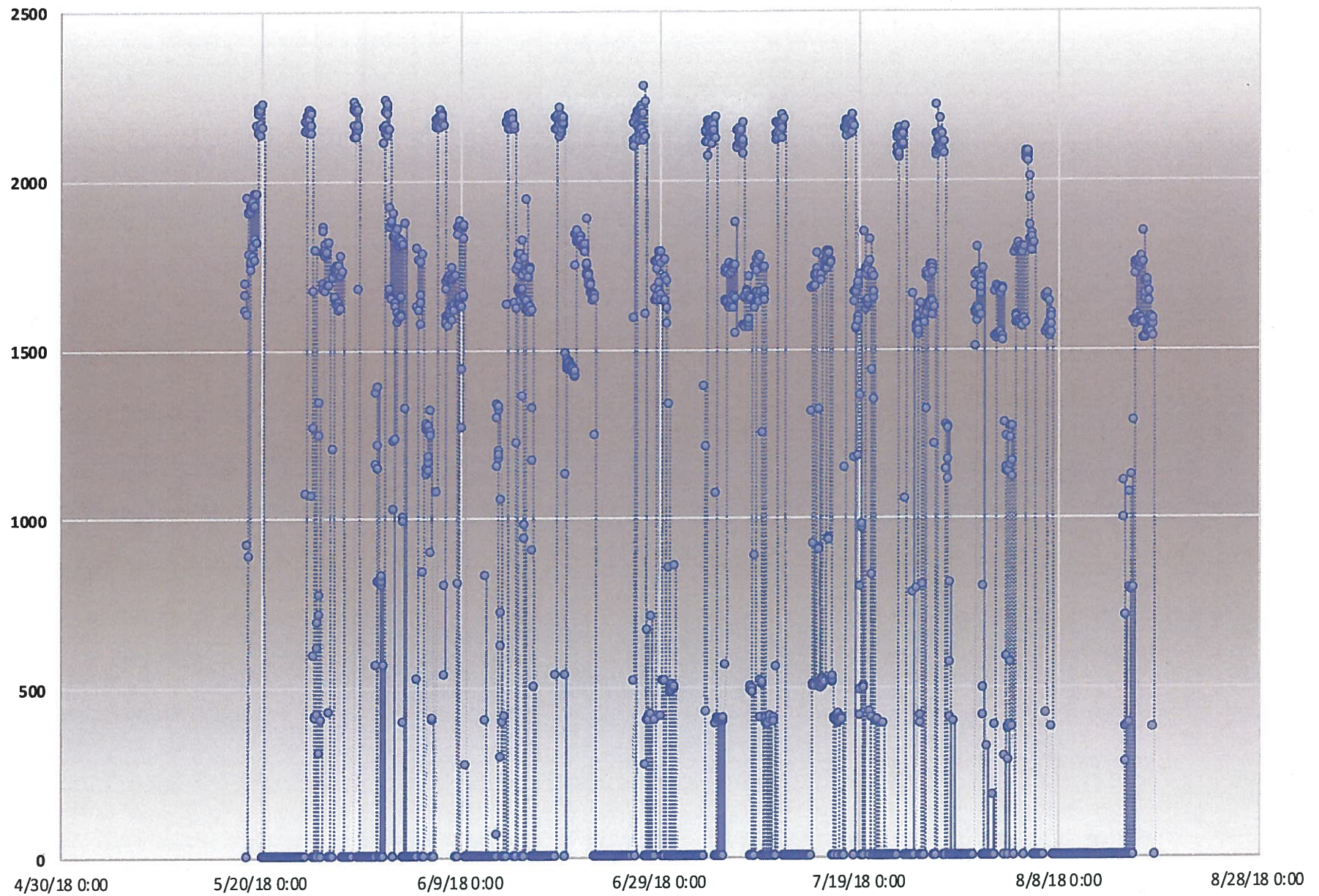
Mussi #2 (Union W) Mace Data for DAMMP April 18th tp April 29th Irrigation (Gal/min)



Mussi #2 (Union W) Mace Data for DAMMP May 3rd to May 5th Irrigation (Gal/min)



Mussi #2 (Union W) Mace data for DAMMP (Gal/min) May-August




DAMMP Mussi #1

Write a description for your map.

Legend

 Mace card Mussi (1) 37 52 53.28N 121 23 9.36W

 Mace card Mussi (1) 37 52 53.28N 121 23 9.36W

SWing Levee Rd
S Stark Rd

Howard Rd

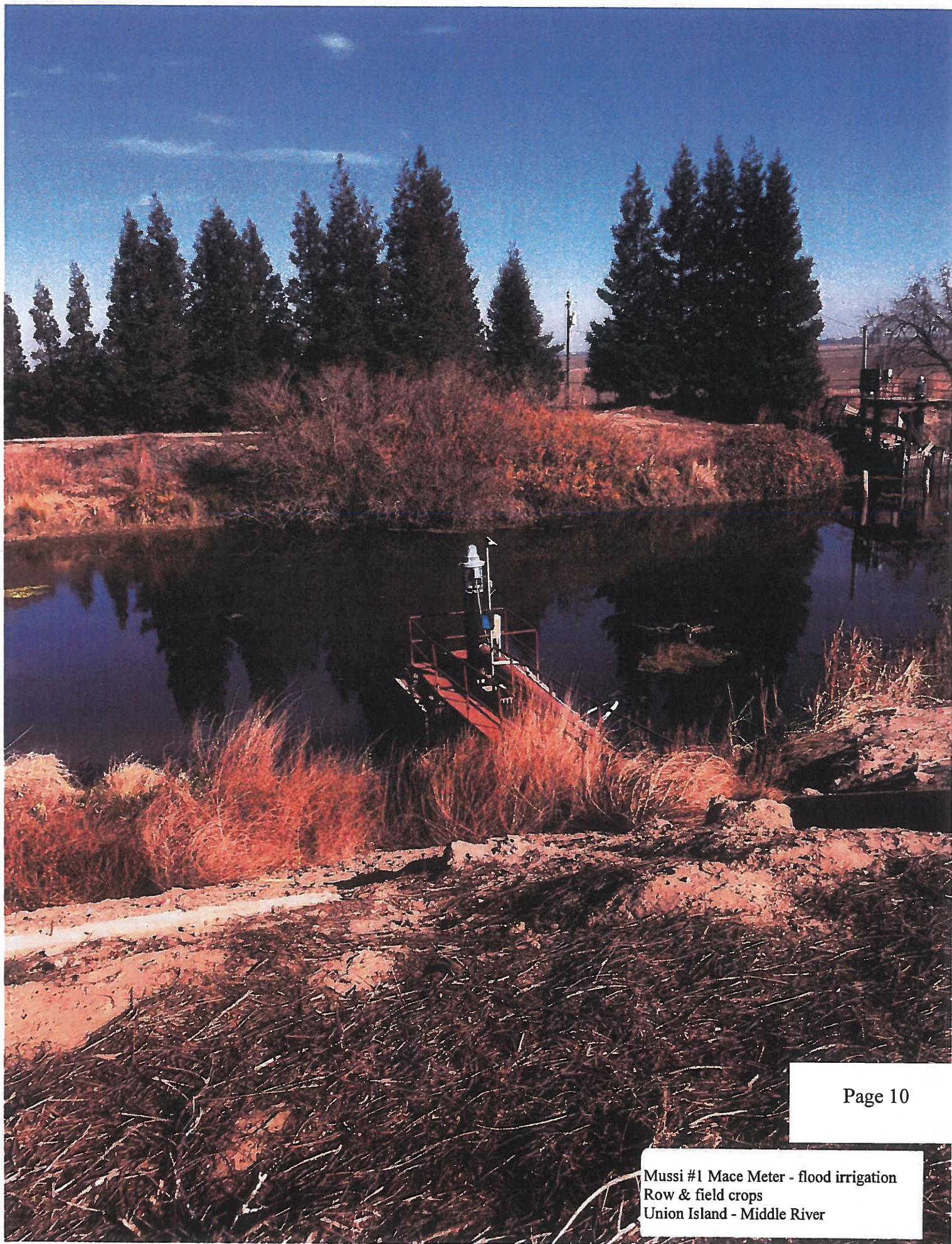
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Google Earth

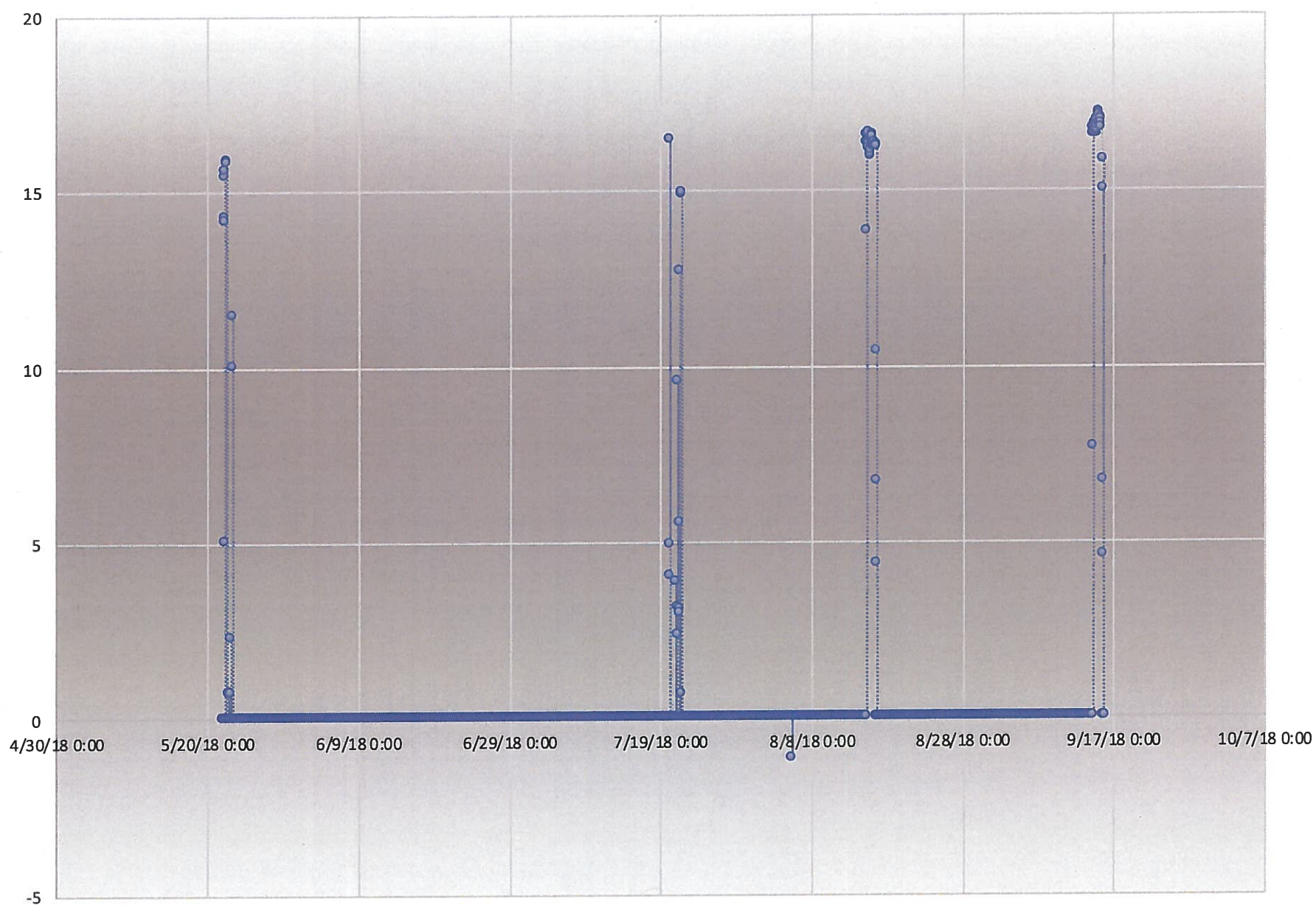
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2000 ft

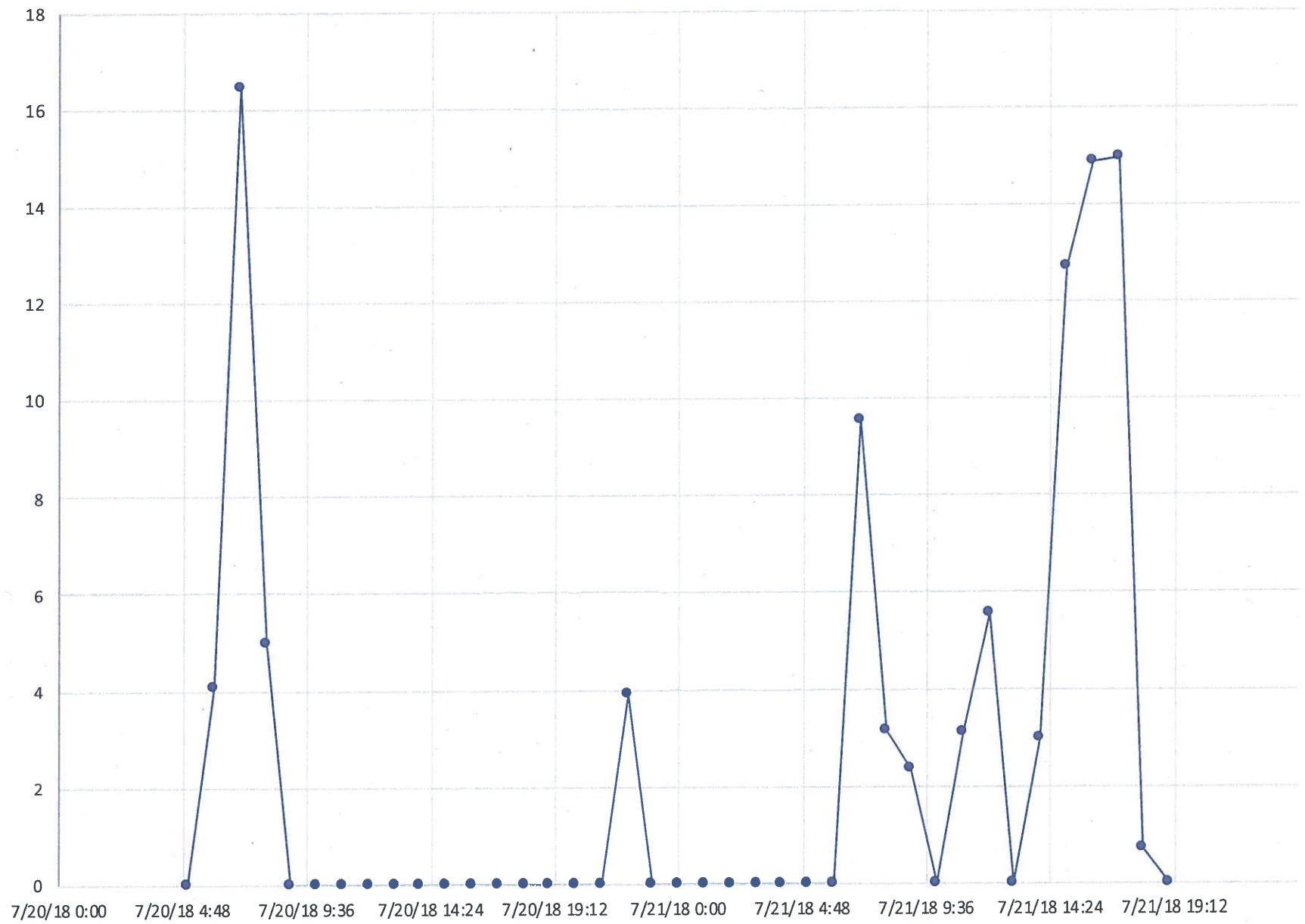




MUSSI #1 MACE DAMMP Data 2018 Irrigation season (CF/S)



MUSSI #1 July Irrigation snapshot (CF/S)




DAMMP Victoria

Write a description for your map.

Legend

 Mace Victoria 37 53 55.72N 121 29 50.65W

 Mace Victoria 37 53 55.72N 121 29 50.65W

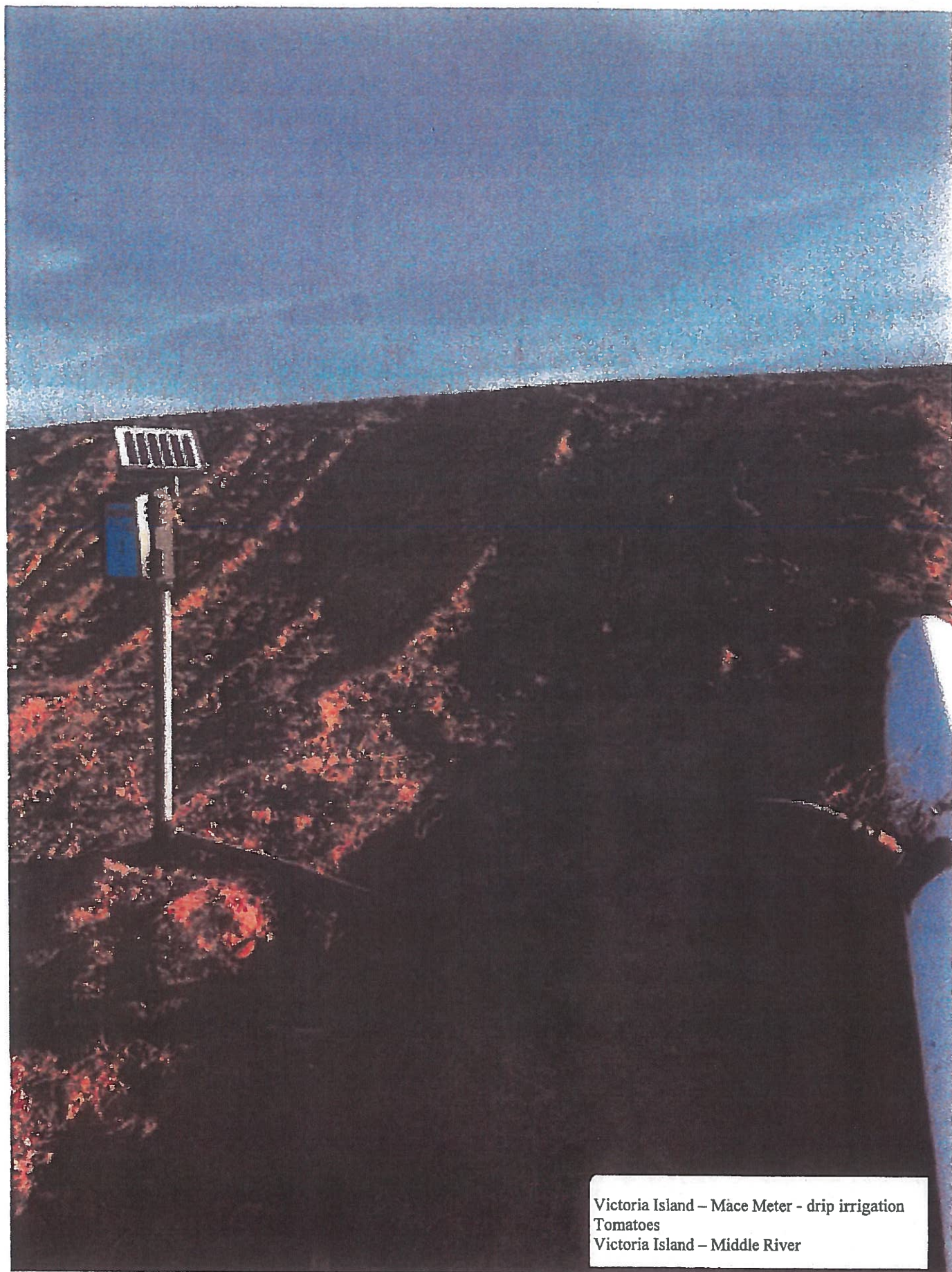
Google Earth

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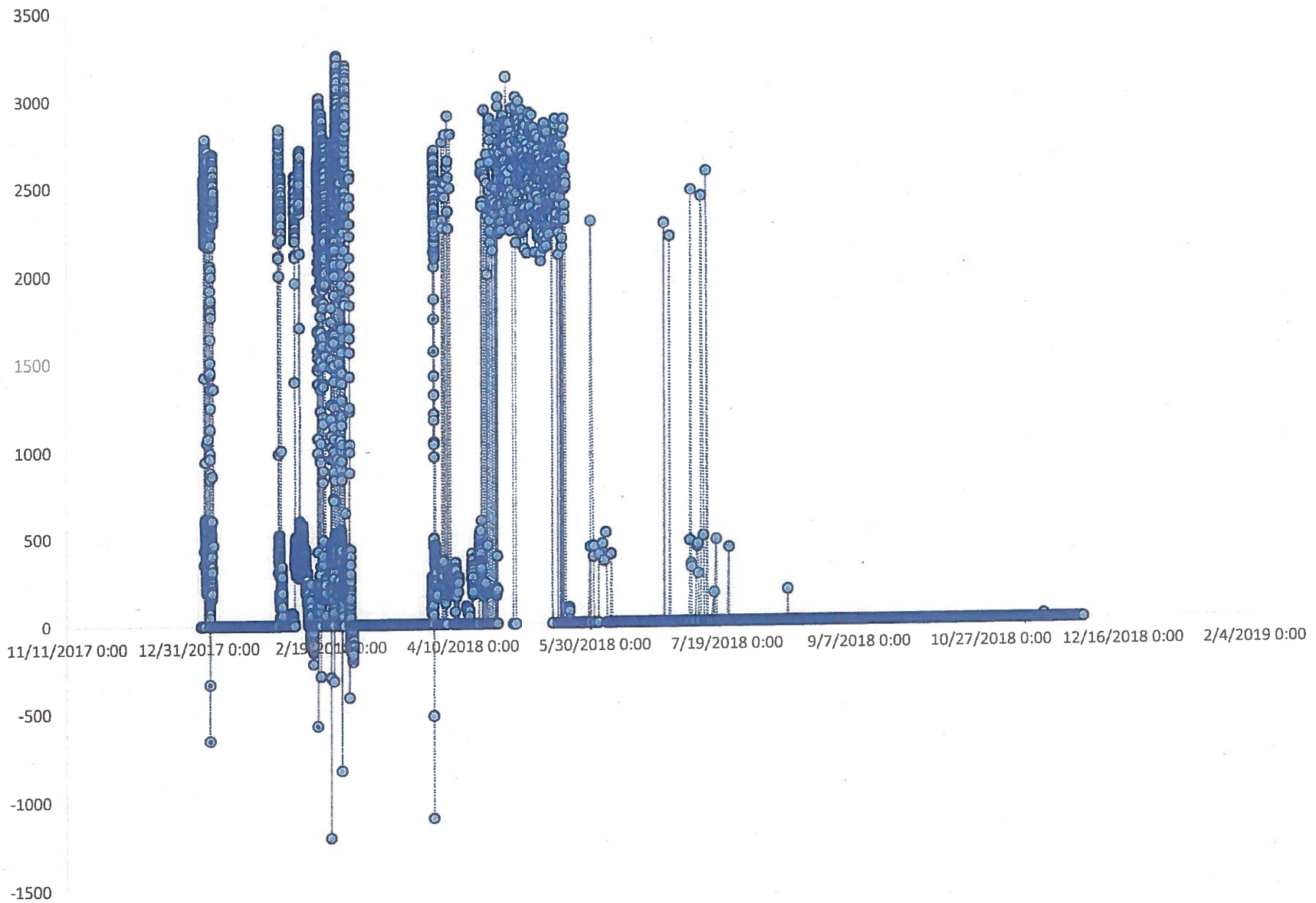
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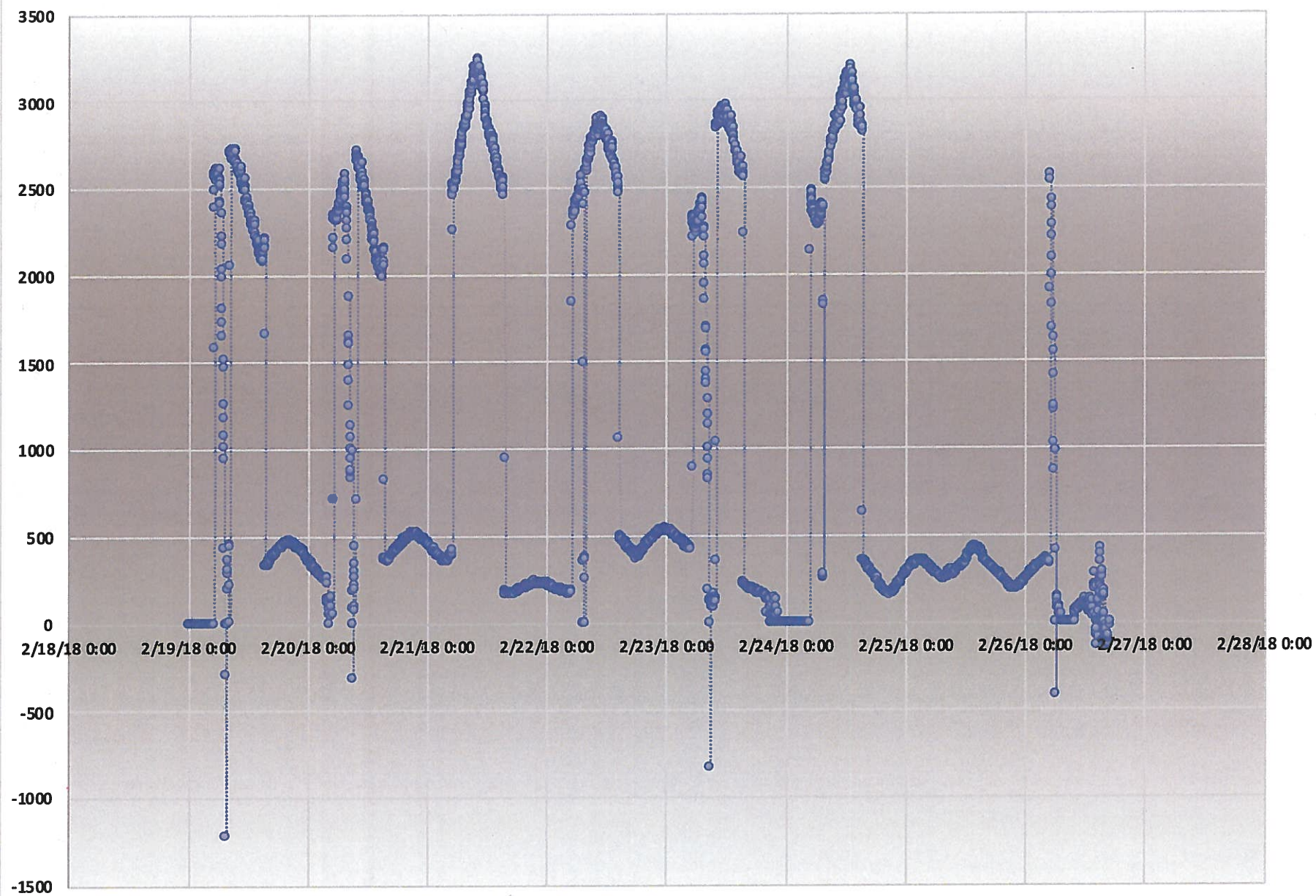


Victoria Island – Mace Meter - drip irrigation
Tomatoes
Victoria Island – Middle River

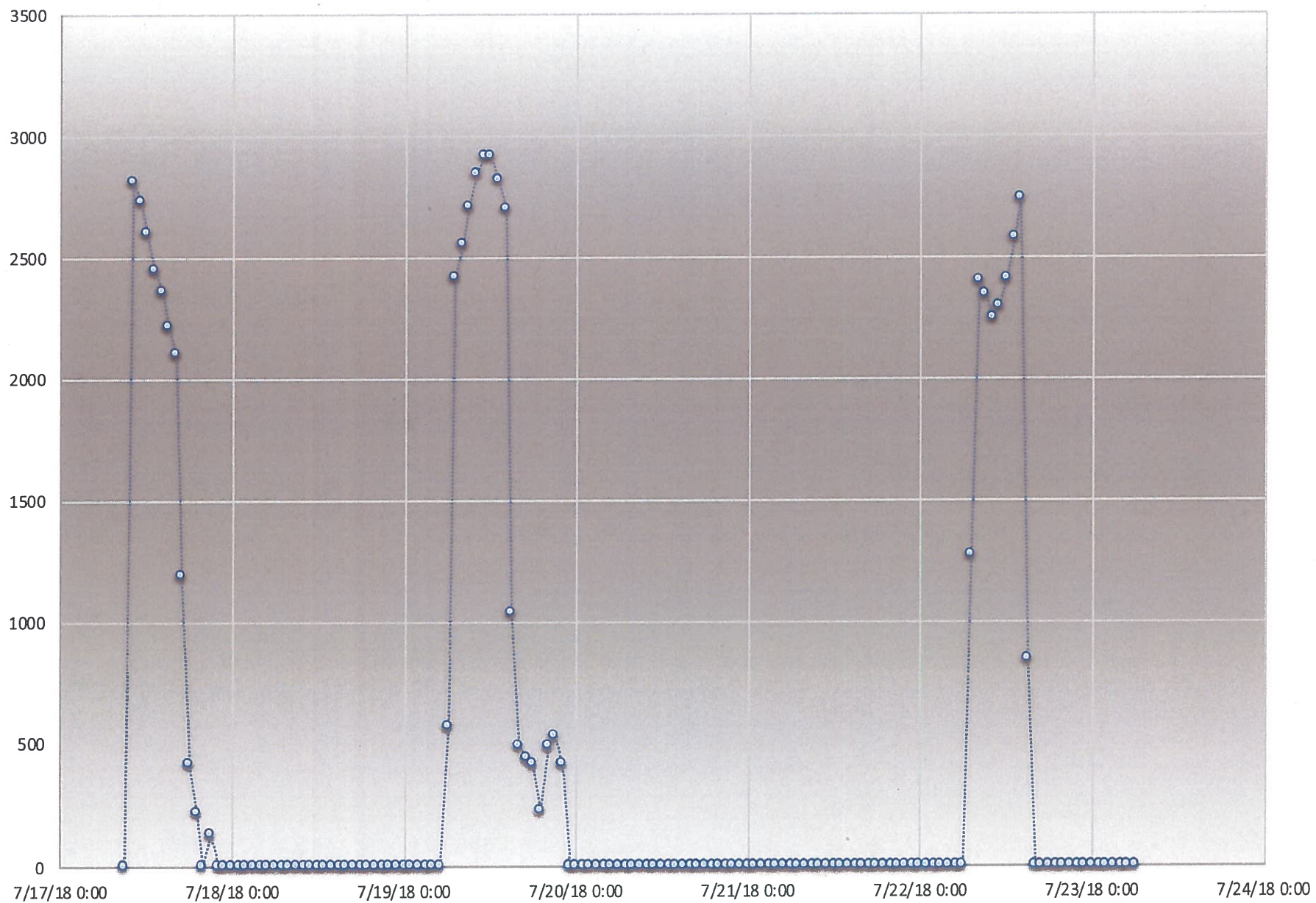
Victoria January- November 2018 (Gal/Min)



Victoria February Snapshot (Gal/min)- 3 minute interval



Victoria July Snapshot (Gal/Min)



DAMMP Te Velde

Legend

 Mark 1 (weir) Te Velde 37 58 14.01N 121 30 9.88W

W McDonald Rd

Zuckerman Rd

Mark 1 (weir) Te Velde 37 58 14.01N 121 30 9.88W



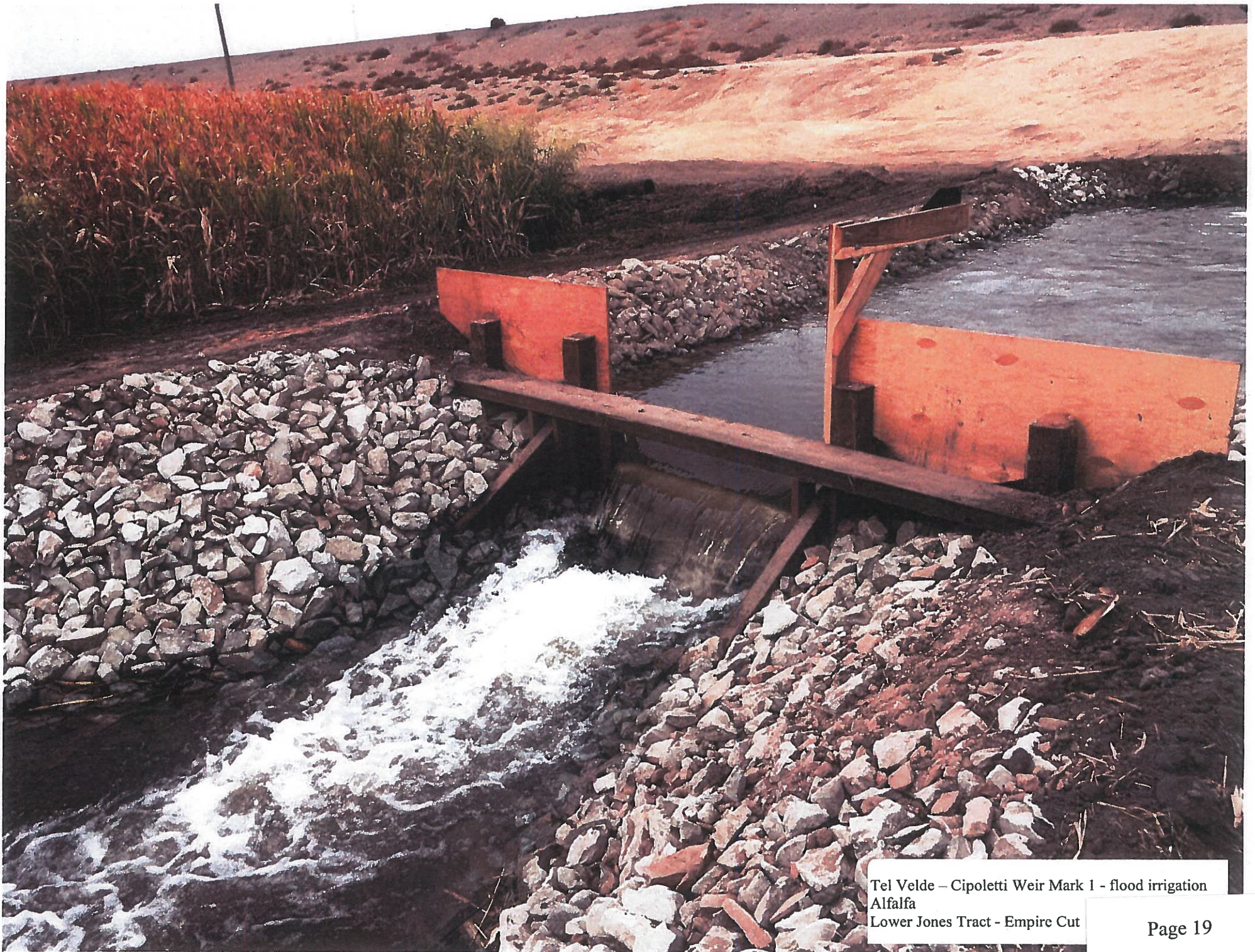
Google Earth

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2000 ft



Tel Velde – Cipoletti Weir Mark 1 - flood irrigation
Alfalfa
Lower Jones Tract - Empire Cut

92780-Dante Weir ⓘ

All Stations

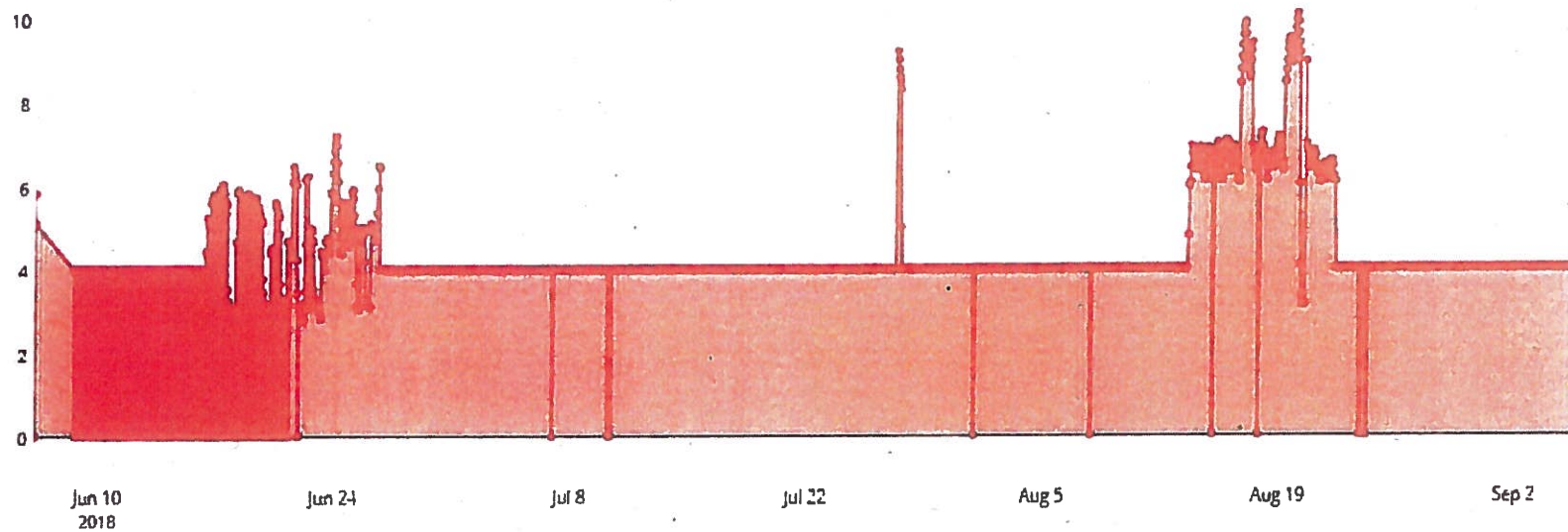
☑ Station is Active

Edit Station

Data

Latest Update: Sep 5, 2018 9:00:00 AM

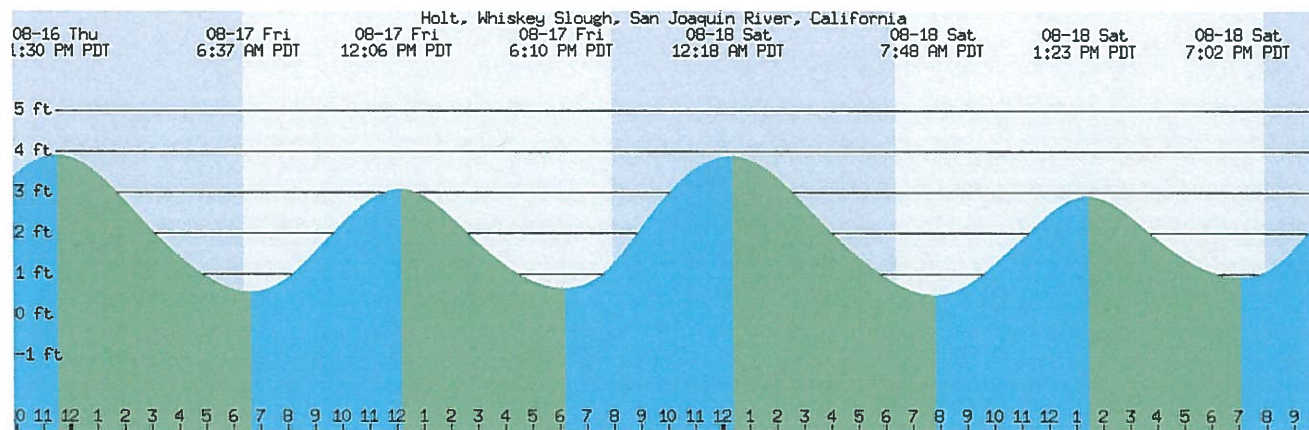
Data Point:	Units:	From Date:	To Date:
Stage 1 ▾	V ▾	Jun 1 2018 03:23 -0700	Sep 5-2018 09:23 -0700




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Holt, Whiskey Slough, San Joaquin River, California Tide Chart

Requested time: 2018-08-17 Fri 12:00 AM PDT


[Download Map \(Free\)](#)

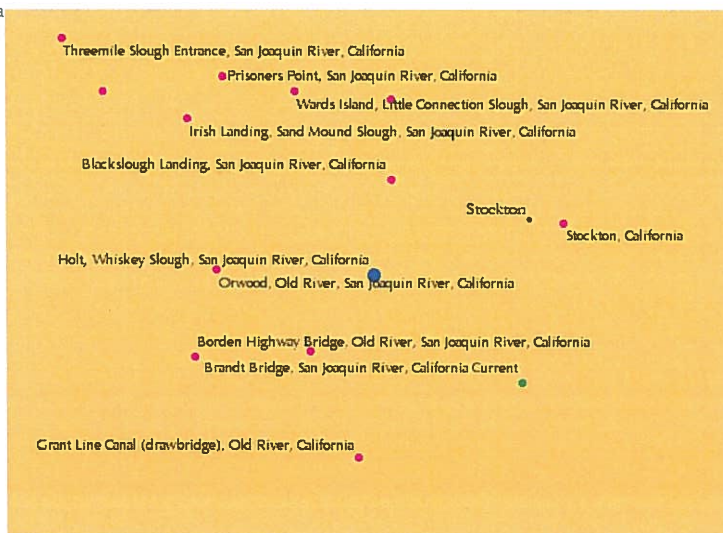
MapsGalaxy

To View Map, Download Here


 Save this tide table: [subscribe](#) or [download](#)

 Holt, Whiskey Slough, San Joaquin River, California
 37.9350° N, 121.4350° W

2018-08-17 Fri	6:22 AM PDT	Sunrise
2018-08-17 Fri	6:37 AM PDT	0.6 feet Low Tide
2018-08-17 Fri	12:06 PM PDT	3.1 feet High Tide
2018-08-17 Fri	6:10 PM PDT	0.7 feet Low Tide
2018-08-17 Fri	7:56 PM PDT	Sunset
2018-08-18 Sat	12:18 AM PDT	3.9 feet High Tide
2018-08-18 Sat	12:49 AM PDT	First Quarter
2018-08-18 Sat	6:23 AM PDT	Sunrise
2018-08-18 Sat	7:48 AM PDT	0.5 feet Low Tide
2018-08-18 Sat	1:23 PM PDT	2.9 feet High Tide
2018-08-18 Sat	7:02 PM PDT	0.9 feet Low Tide
2018-08-18 Sat	7:54 PM PDT	Sunset
2018-08-19 Sun	1:10 AM PDT	3.9 feet High Tide
2018-08-19 Sun	6:24 AM PDT	Sunrise
2018-08-19 Sun	8:58 AM PDT	0.4 feet Low Tide
2018-08-19 Sun	2:37 PM PDT	2.9 feet High Tide
2018-08-19 Sun	7:53 PM PDT	Sunset
2018-08-19 Sun	8:02 PM PDT	1.2 feet Low Tide
2018-08-20 Mon	2:05 AM PDT	3.9 feet High Tide
2018-08-20 Mon	6:25 AM PDT	Sunrise
2018-08-20 Mon	10:02 AM PDT	0.2 feet Low Tide
2018-08-20 Mon	3:43 PM PDT	3.0 feet High Tide
2018-08-20 Mon	7:52 PM PDT	Sunset
2018-08-20 Mon	9:06 PM PDT	1.3 feet Low Tide
2018-08-21 Tue	2:58 AM PDT	3.9 feet High Tide


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Time Control

 Year: Month: Day:

Tide Calendars

[One month](#)
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