

# Metropolitan Water District of Southern California

UPDATE RE DELTA MEASUREMENT EXPERIMENT

MARCH 27, 2019

DRAFT – Preliminary Data

# Experiment Update

## EQUIPMENT STATUS

Wind damage

Vandalism

## NEXT STEPS

# Equipment Status

## WIND DAMAGE TO SOLAR PANELS

Two large solar panels (50 watt)

- Bouldin Island Siphon No. 14
- Bacon Island Siphon No. 25

MBK completed temporary repairs, contractor to fully repair





# Equipment Status

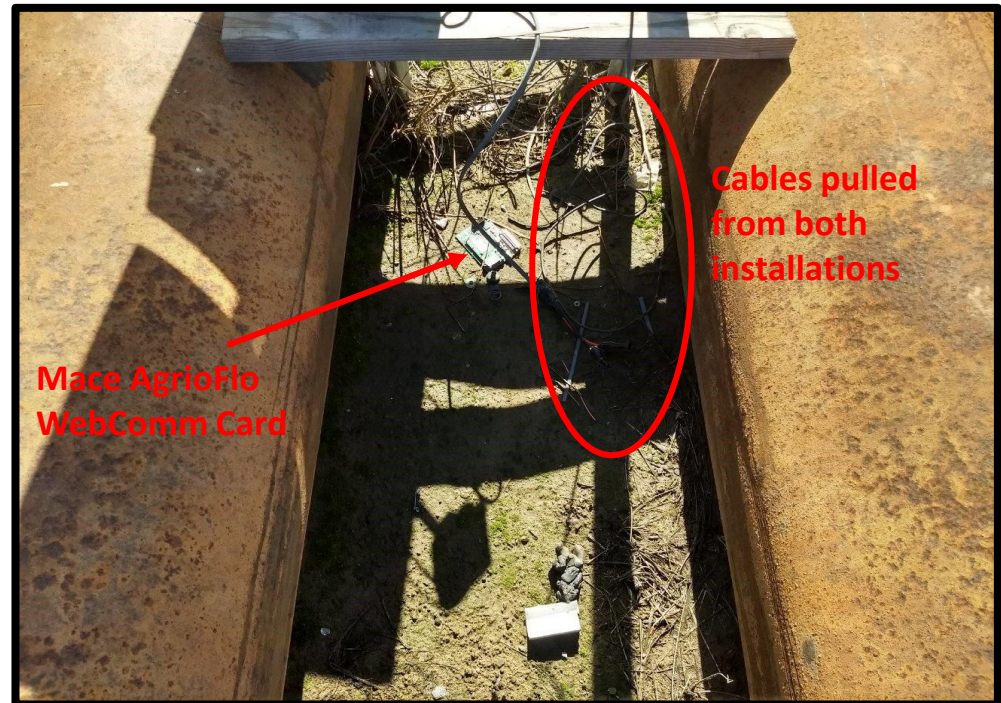
## VANDALISM AT BOULDIN ISLAND

### Siphon No. 39

- Mace sensor with Mace data logger and telemetry

### Siphon No. 40

- Seametrics insertion meter with Mesotech data logger



# Equipment Status

## VANDALISM AT BOULDIN ISLAND

Flow sensors appear undisturbed

Lost all meter function due to data logger and power impacts

- Batteries and solar panels stolen
- Connection wires cut
- Internal equipment removed and damaged
- Exposure to elements



# Equipment Status

## VANDALISM AT BOULDIN ISLAND

Estimated cost to replace = \$16,500

Potential added security measures (at additional cost)

- Repair gate along Highway 12
- Chain link fence with privacy slats
- Security cameras
- More frequent patrols by staff



# Next Steps

## PRIOR TO 2019 IRRIGATION SEASON

Repair and/or replace damaged equipment at existing test sites

Install new equipment at three additional test sites

- 1 flange mag meter (McCrometer UltraMag)
- 2 ultrasonic strap on meters (Sierra Instruments Innovasonic 203)

Continue testing of siphons with portable meters

A faded background image showing a truck with a pump system on its bed. A large black hose runs from the truck to a discharge point in a body of water. The truck has a red and white striped pattern on its side. The scene is outdoors with trees and a clear sky in the background.

# Questions?