

An aerial photograph showing a large water reservoir or dam system. The water is a deep blue-grey color. In the center, there is a large, irregularly shaped island or peninsula that appears to be a construction site or a natural landmass. The island has a mix of green vegetation and light-colored, possibly sandy or cleared areas. To the left, a long, straight concrete dam or levee extends across the frame. The background shows a vast expanse of green forest and some distant structures under a clear sky.

2020 Water Delivery from Southwest Aggregates to Cape Coral

Water Science Associates

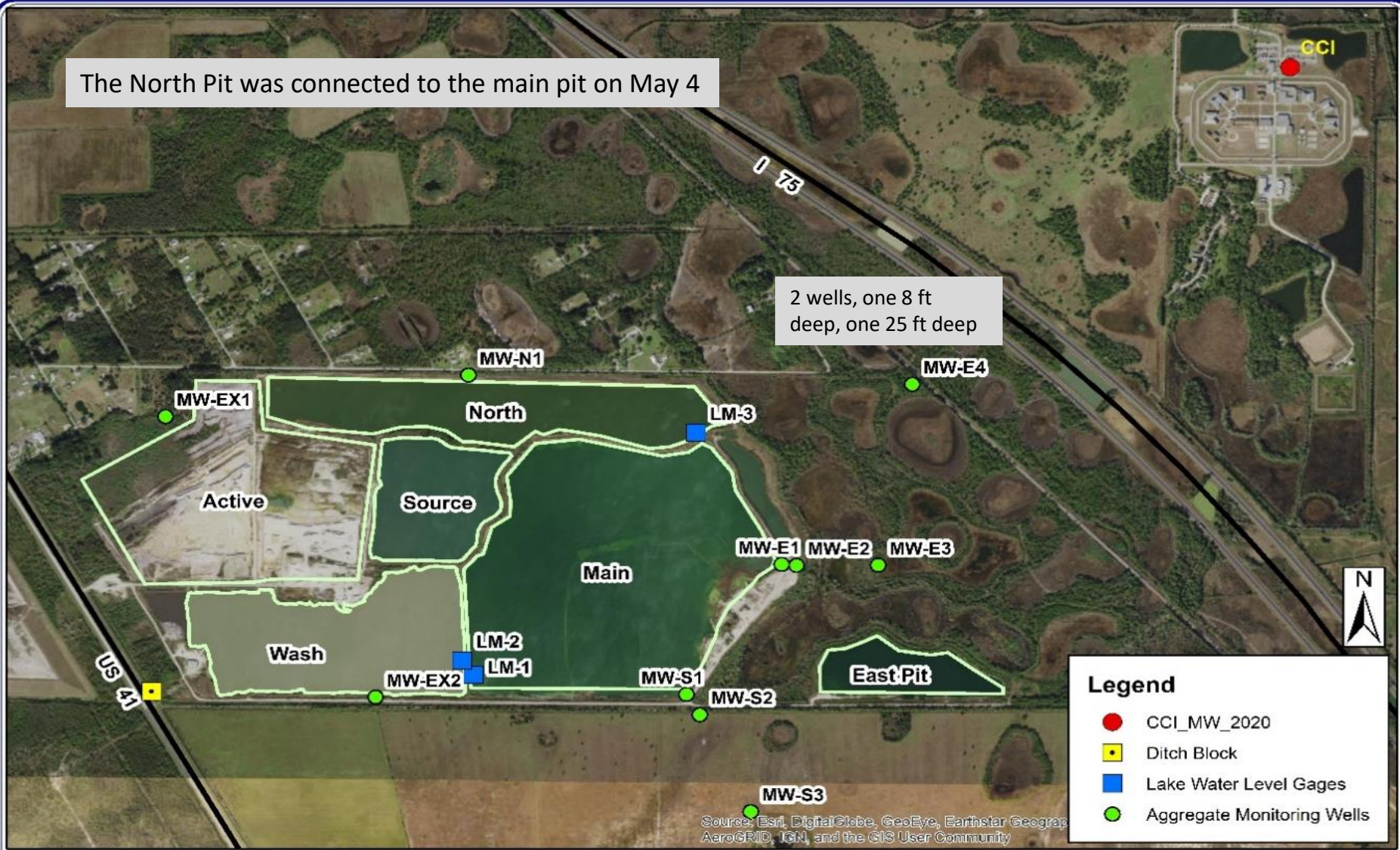
June 5, 2020

Summary of 2020 Water Delivery

- Dry conditions experienced January – April of 2020
- Canal levels below Minimum Operating Levels (MOLs)
- Water pressure too low to operate 30% of City fire hydrants
- FDOT permit obtained March 14, 2020
- Pumping began on April 23
- Pumping terminated on May 27
- Temporary driveway removed on June 2

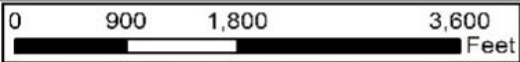
The North Pit was connected to the main pit on May 4

2 wells, one 8 ft deep, one 25 ft deep



Legend

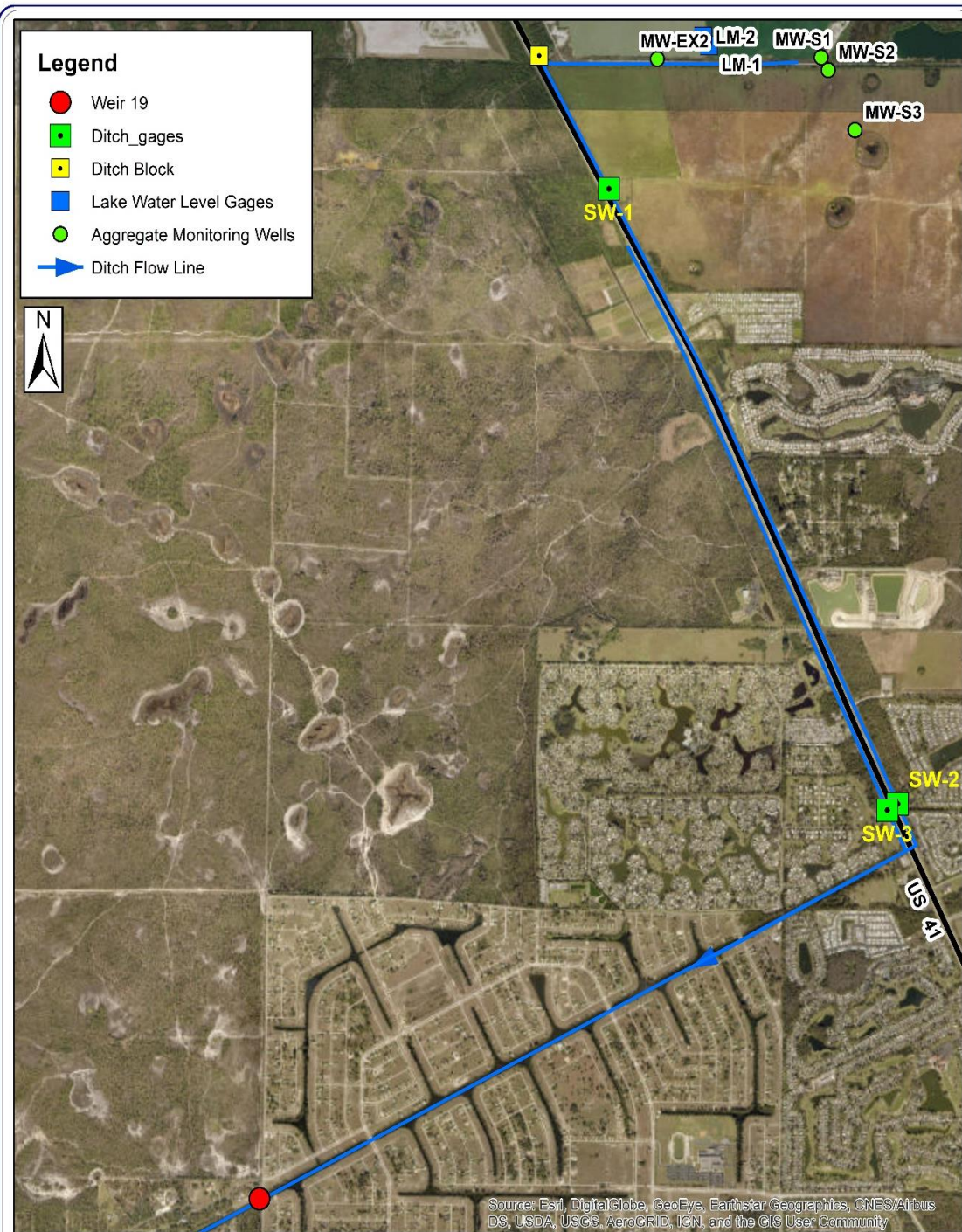
- CCI_MW_2020
- Ditch Block
- Lake Water Level Gages
- Aggregate Monitoring Wells



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, AeroGRID, IGN, and the GIS User Community

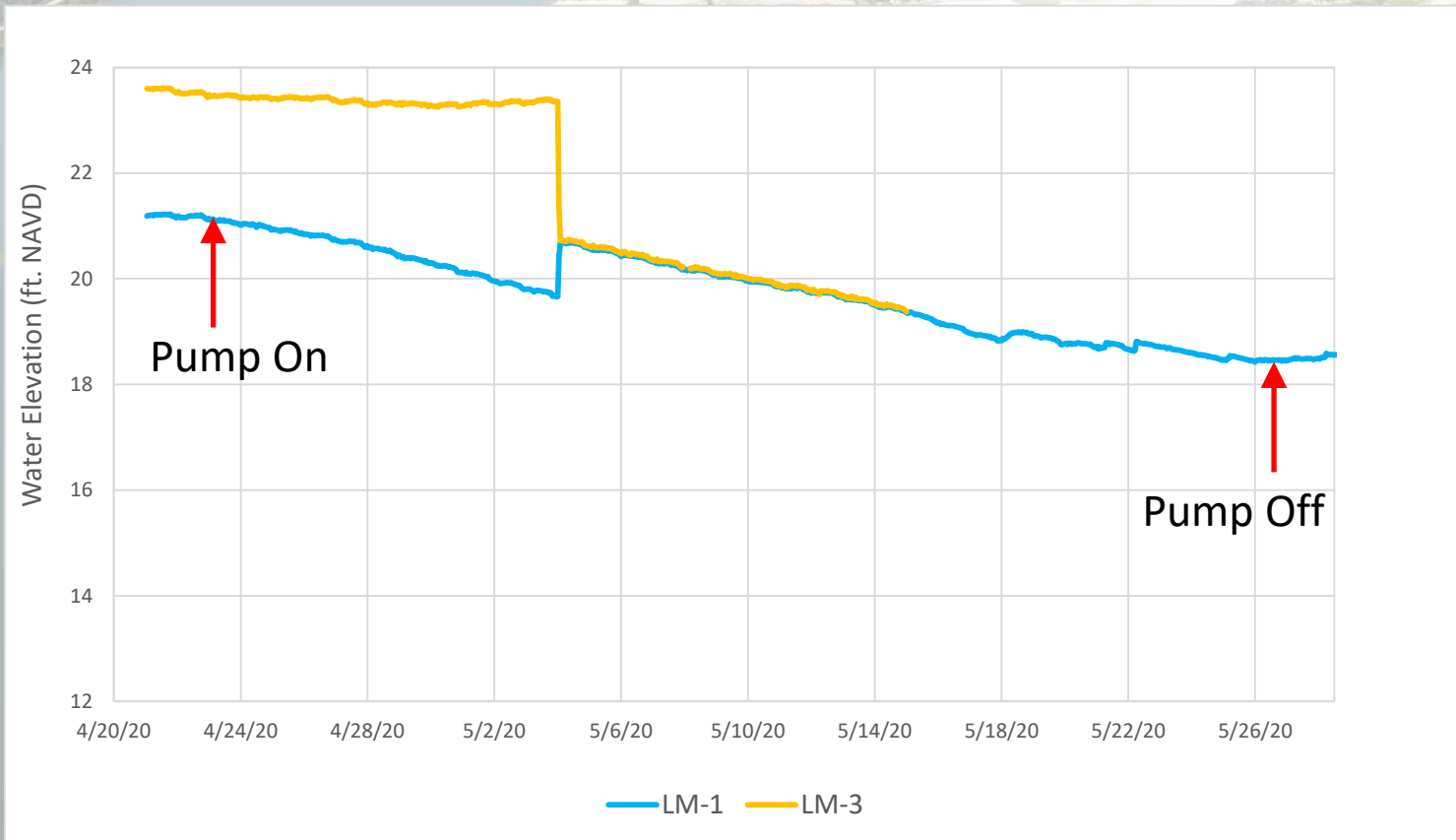
Monitoring Along U.S. 41

- Measured flows 6X
- 30-40% loss initially
- No loss after 3 wks



Change in Mining Pit Levels

- Main Pit: 21.2 – 18.5 ft-NAVD, 2.7 ft drop
- North Pit allowed to flow into Main Pit on May 4



Current Status

- Analyzing data collected during study
- Will issue draft report to the City before end of June

