

GALALINA PUMP TESTS SUMMARY

SME Project Number: 084129.00

Date: June 18, 2020

All depths are referenced to top of pavement.

LOCATION B1

Well Depth: 15.6 feet

Well Diameter: 4 inches

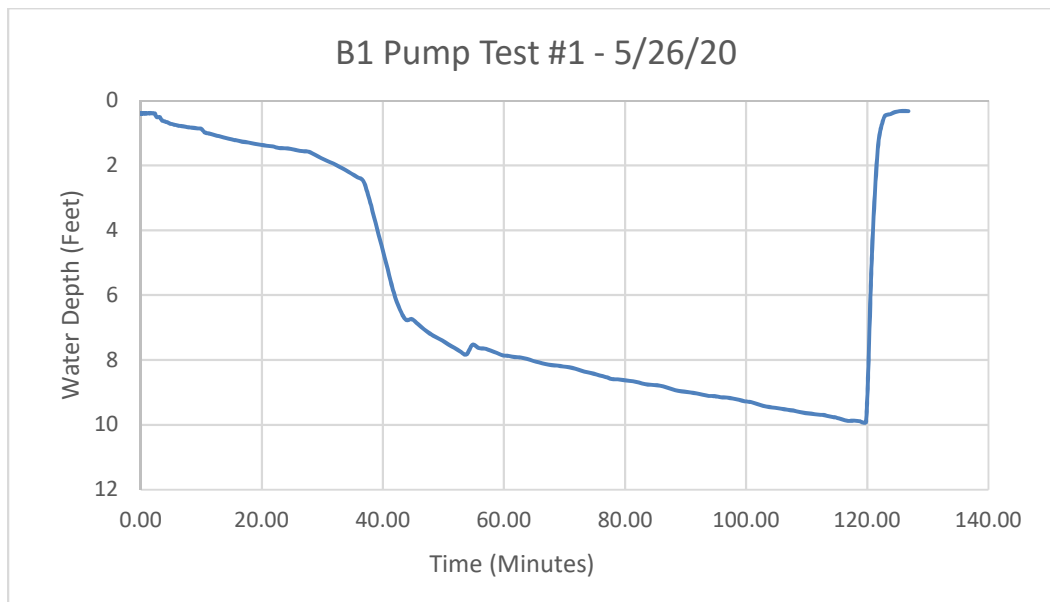
Pump Test #1

Date: 5/26/20

Pump Type: Grundfos Redi-Flo 2 (Max. flow rate 5 to 7 gallons/minute)

Initial Water Depth: 0.3 feet

Notes: Ran test between 4.8 and 5.8 gallons/minutes



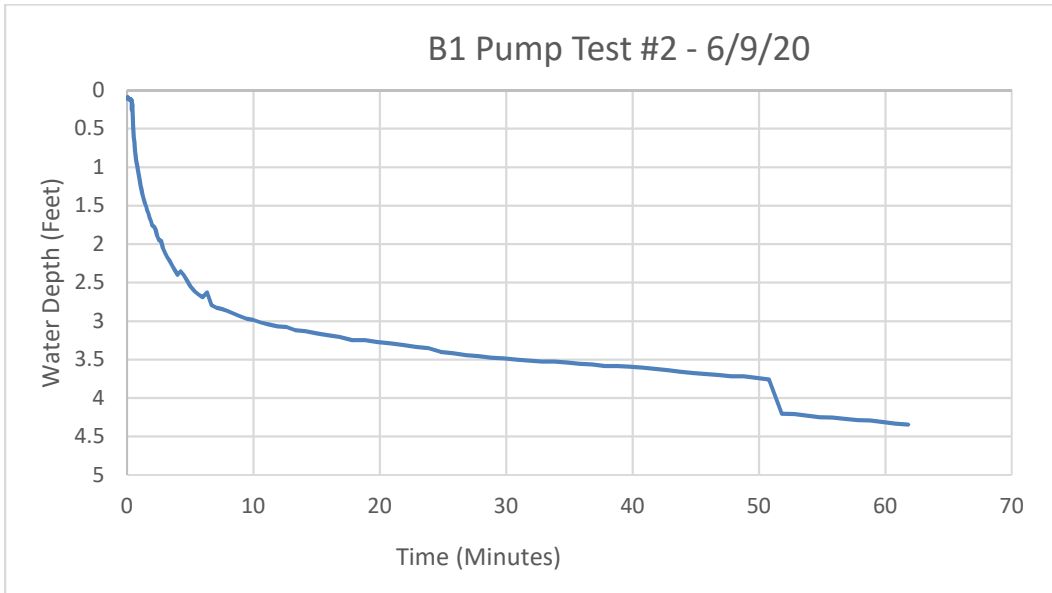
Pump Test #2

Date: 6/9/20

Pump Type: 4-inch Diameter Berkeley Pump (Max. flow rate 12 to 16 gallons/minute)

Initial Water Depth: 0.3 feet

Notes: Ran test at about 15.8 gallons/minutes



LOCATION B2

Well Depth: 13.7 feet

Well Diameter: 4 inches

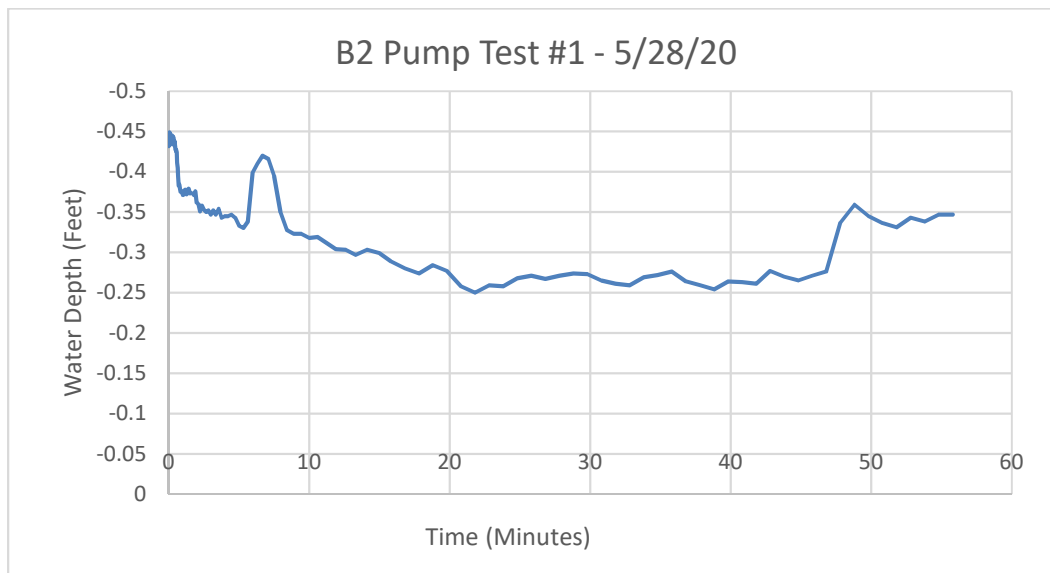
Pump Test #1

Date: 5/26/20

Pump Type: Grundfos Redi-Flo 2 (Max. flow rate 5 to 7 gallons/minute)

Initial Water Depth: 0 feet and surging out.

Notes: Ran test at maximum pump capacity (about 5 gallons/minute), but the pump could not keep up with the recharge rate. The water depth measured by the transducer and shown on the graph is not accurate, possibly because of the high recharge rate affecting the sensor. During the test, the water level was physically measured at 2 inches below the top of pavement.



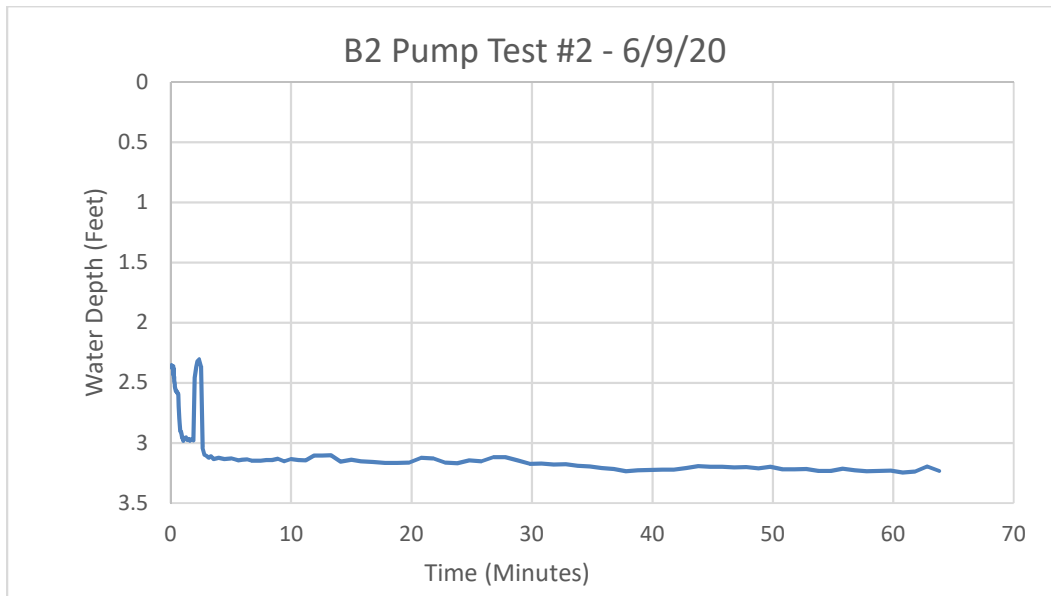
Pump Test #2

Date: 6/9/20

Pump Type: 4-inch Diameter Berkeley Pump (Max. flow rate 12 to 16 gallons/minute)

Initial Water Depth: 0 feet and surging out.

Notes: Ran test at maximum pump capacity (about 11.5 gallons/minute), but the pump could not keep up with the recharge rate. The water depth measured by the transducer and shown on the graph is not accurate, possibly because of the high recharge rate affecting the sensor. During the test, the water level was physically measured at 6 inches below the top of pavement.



LOCATION B3

Well Depth: 15.8 feet

Well Diameter: 4 inches

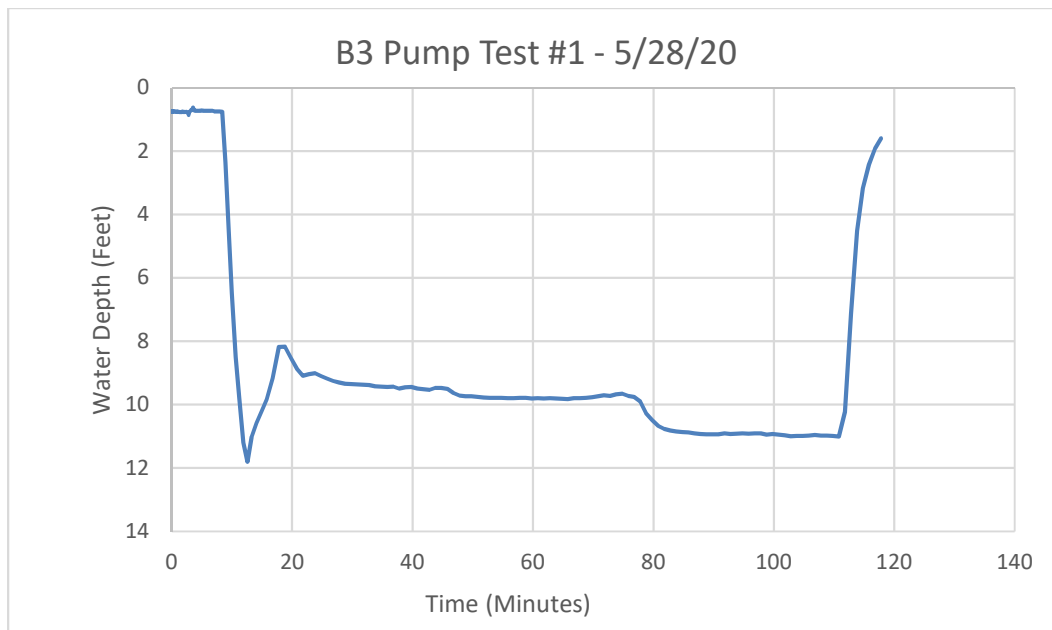
Pump Test #1

Date: 5/28/20

Pump Type: Grundfos Redi-Flo 2 (Max. flow rate 5 to 7 gallons/minute)

Initial Water Depth: 0.9 feet

Notes: Ran test at about 1.3 gallons/minutes, which is significantly lower than other locations. This may be due to a nearby utility trench slowing the recharge rate.



LOCATION B4

Test not performed yet. Saved for possible long term test.

LOCATION B5

Well Depth: 15.8 feet

Well Diameter: 4 inches

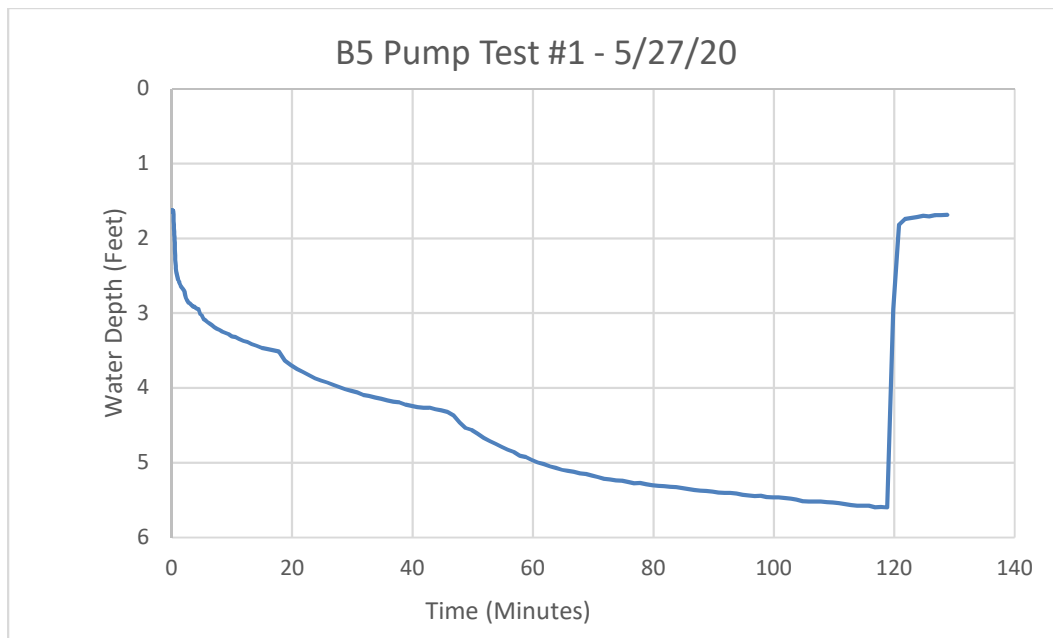
Pump Test #1

Date: 5/27/20

Pump Type: Grundfos Redi-Flo 2 (Max. flow rate 5 to 7 gallons/minute)

Initial Water Depth: 1.5 feet

Notes: Ran test between 5.5 and 6.3 gallons/minute. Consider running a longer test at this location to verify drawdown will continue below planned trench bottom.



LOCATION B6

Test not performed yet. Saved for possible long term test.

LOCATION B7

Well Depth: 14.8 feet

Well Diameter: 4 inches

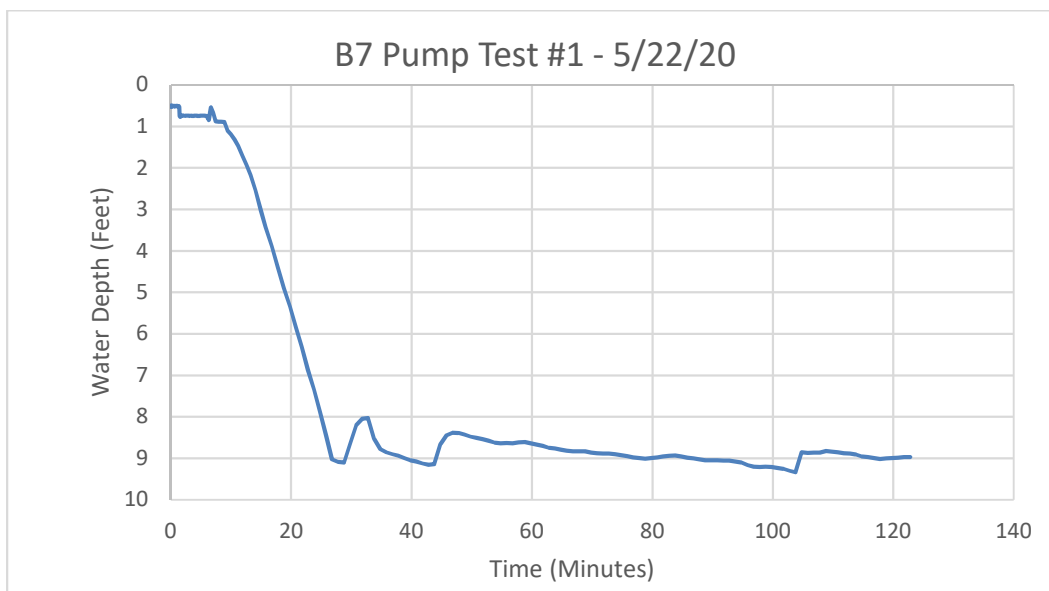
Pump Test #1

Date: 5/22/20

Pump Type: Grundfos Redi-Flo 2 (Max. flow rate 5 to 7 gallons/minute)

Initial Water Depth: 0.6 feet

Notes: Ran test between 4.6 and 5.7 gallons/minute.



LOCATION B8

Well Depth: 16.1 feet

Well Diameter: 4 inches

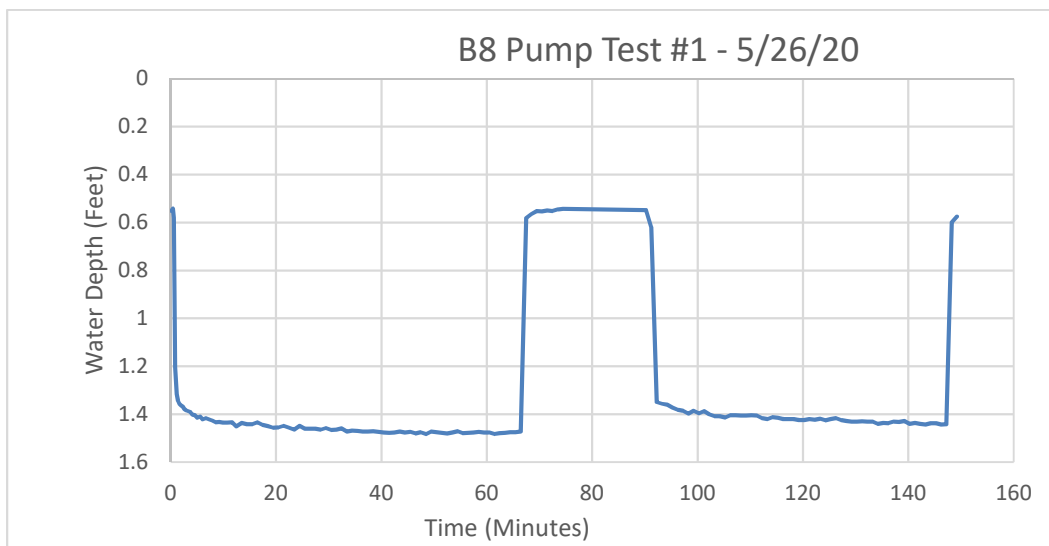
Pump Test #1

Date: 5/26/20

Pump Type: Grundfos Redi-Flo 2 (Max. flow rate 5 to 7 gallons/minute)

Initial Water Depth: 0.4 feet

Notes: Ran test between 5.9 to 6.4 gallons/minute. Generator died part way through test, which is why there is a rise in water level near the middle of the test. Could not drawdown more than about 1.4 feet. Consider redoing test with larger pump.



LOCATION B9

Well Depth: 13.9 feet

Well Diameter: 2 inches

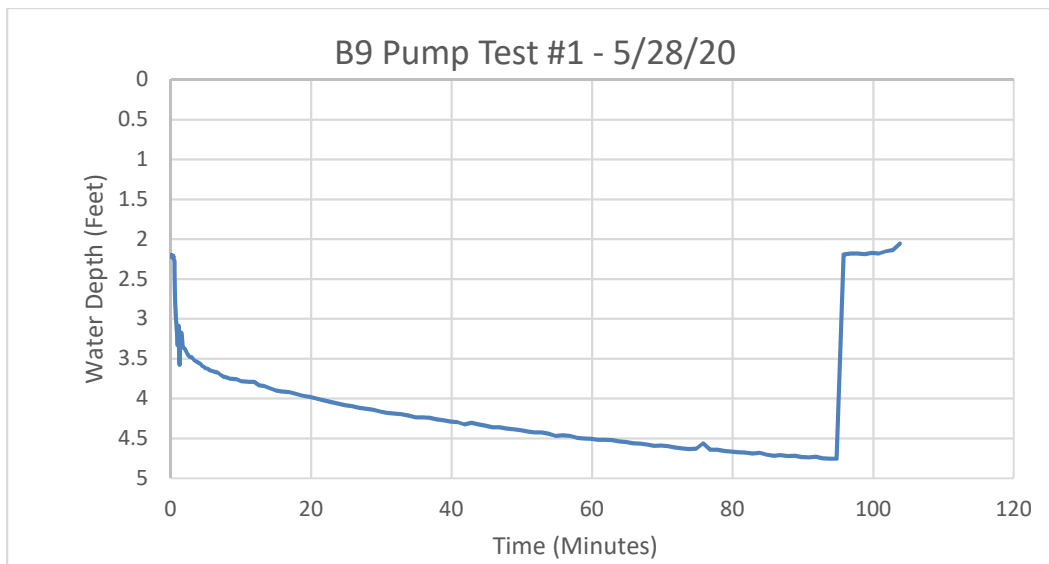
Pump Test #1

Date: 5/28/20

Pump Type: Grundfos Redi-Flo 2 (Max. flow rate 5 to 7 gallons/minute)

Initial Water Depth: 2.2 feet

Notes: Ran test at about 5 gallons/minute. Consider running a longer test at this location to verify drawdown will continue below planned trench bottom.



LOCATION B10

Well Depth: 15.1 feet

Well Diameter: 2 inches

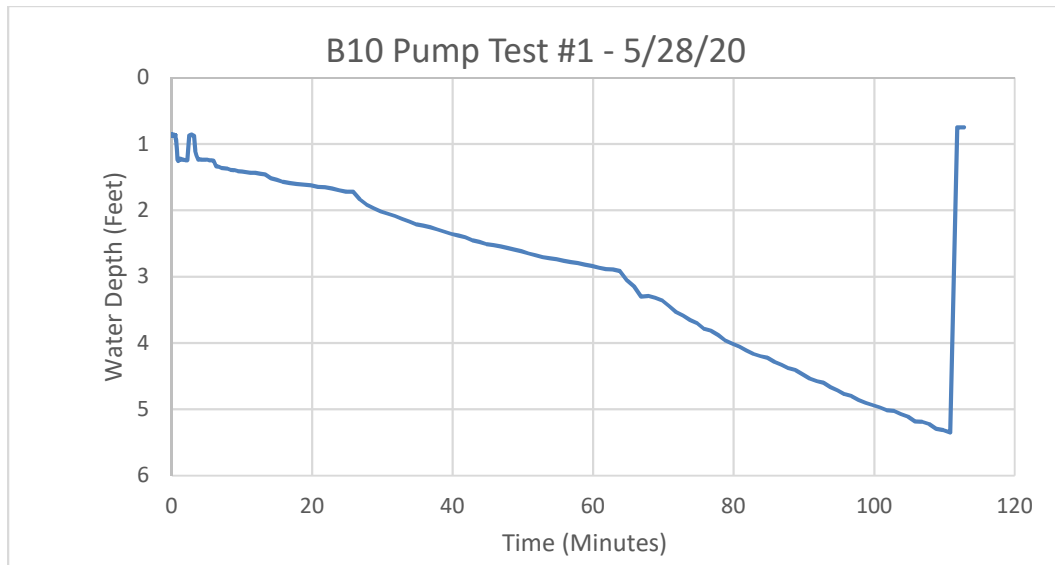
Pump Test #1

Date: 5/28/20

Pump Type: Grundfos Redi-Flo 2 (Max. flow rate 5 to 7 gallons/minute)

Initial Water Depth: 0.9 feet

Notes: Ran test between 5.8 and 6.7 gallons/minute. Consider running a longer test at this location to verify drawdown will continue below planned trench bottom.



LOCATION B11

Location was dry to a depth of 15 feet, so no well was installed.

LOCATION B12

Location was dry to a depth of 15 feet, so no well was installed.