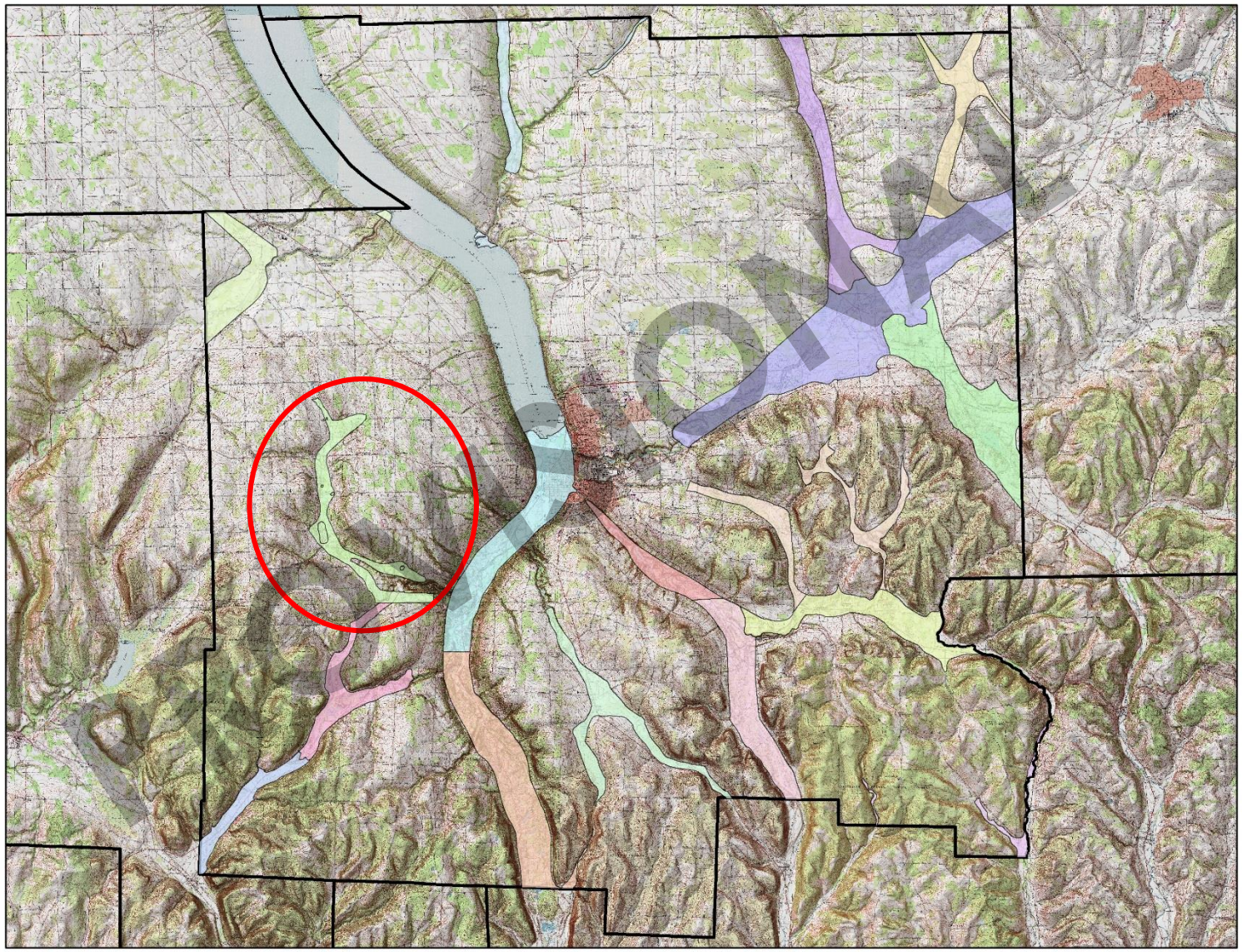
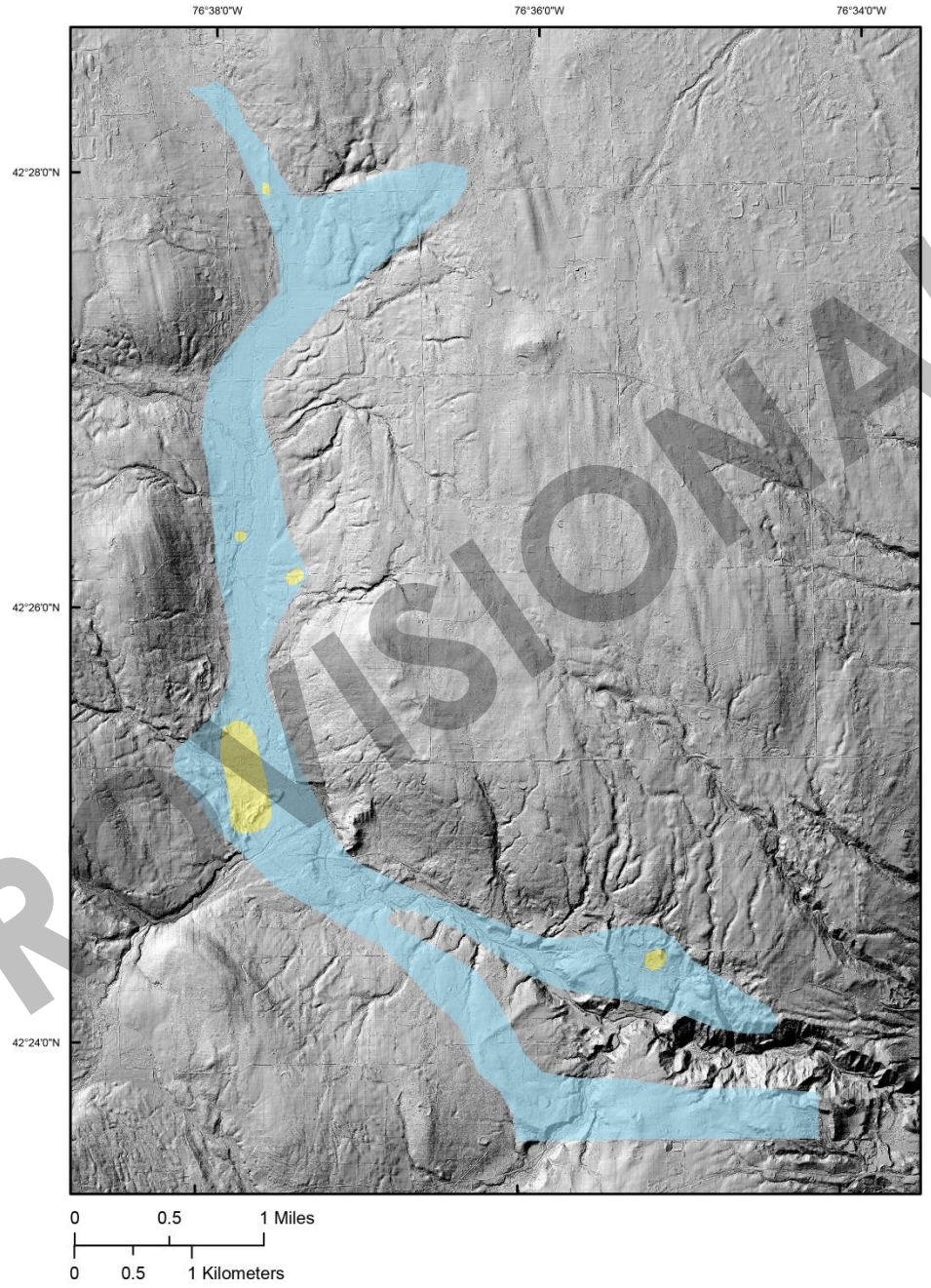
Geohydrology of the Unconsolidated Aquifer in Enfield Creek Valley, Town of Enfield, Tompkins County, New York

PROVISIONAL

17 Aquifers in Tompkins County



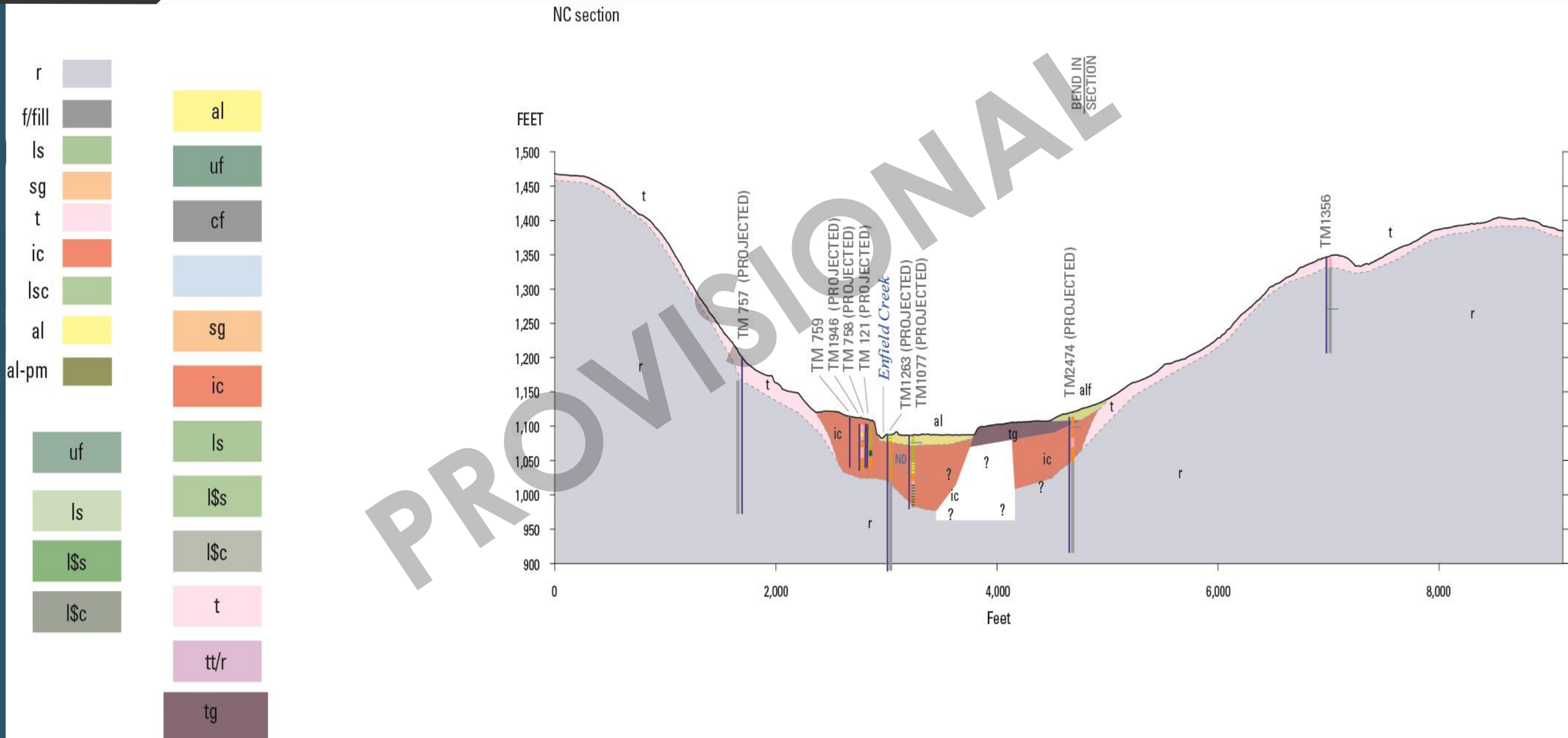
Aquifer Extent

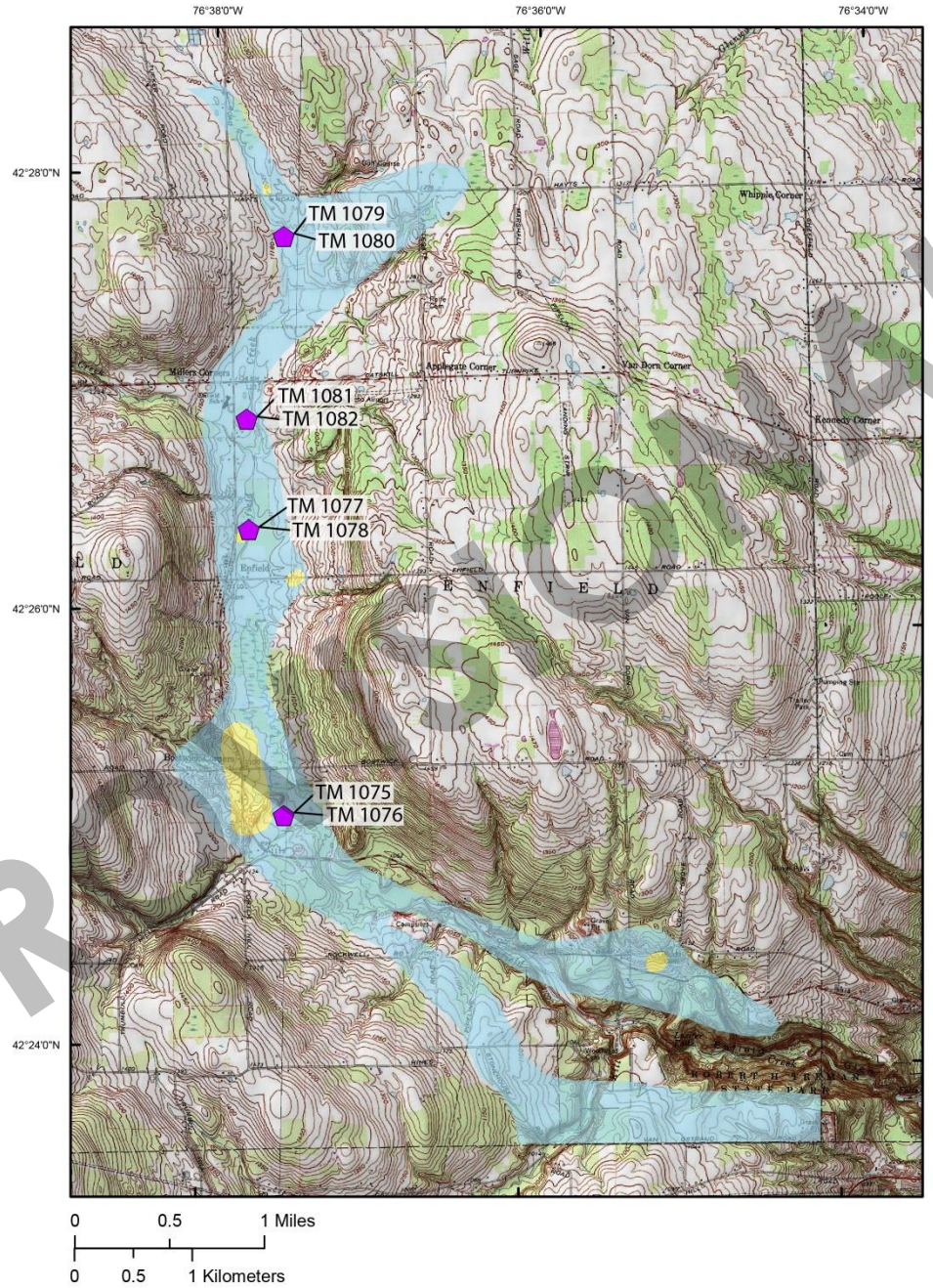


PROVISIONAL

Confined

Unconfined


NC section
r
f/fill
ls
sg
t
ic
lsc
al
al-pm
uf
ls
l$s
l$c
al
uf
cf
sg
ic
ls
l$s
l$c
t
tt/r
tg
FEET
1,500
1,450
1,400
1,350
1,300
1,250
1,200
1,150
1,100
1,050
1,000
950
900
0
2,000
4,000
6,000
8,000
Feet
TM 757 (PROJECTED)
TM 759
TM1946 (PROJECTED)
TM 758 (PROJECTED)
TM 121 (PROJECTED)
Enfield Creek
TM1263 (PROJECTED)
TM1077 (PROJECTED)
TM2474 (PROJECTED)
BEND IN SECTION
TM1356
ND
alf
PROVISIONAL



PROPOSAL

USGS Test Wells

PRELIMINARY

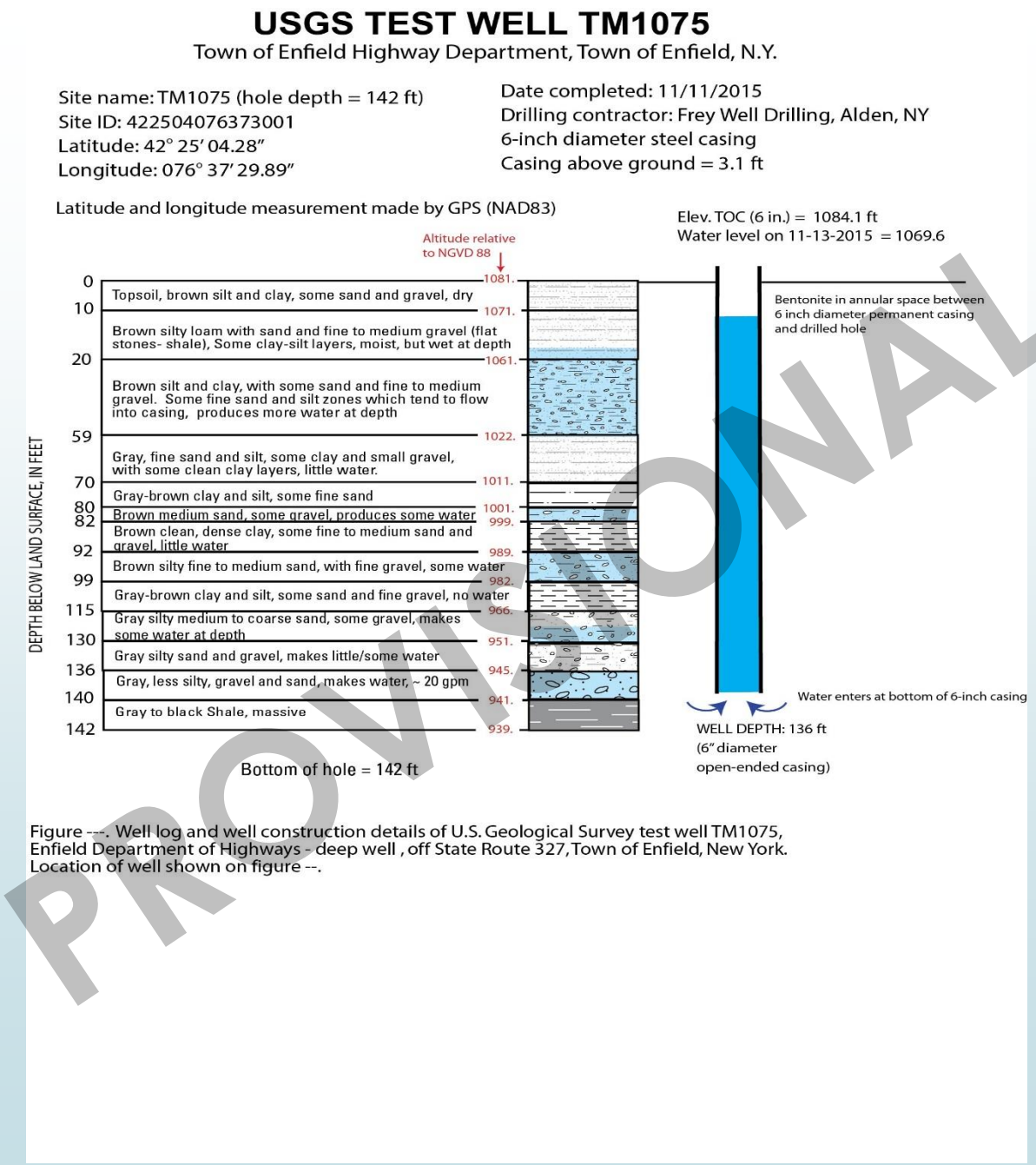
Shallow/Deep

D.O. 3.8/0.1 mg/L

Salinity 0.2/1.4 ppt

Dissolved Solids 214/1880 mg/L

Methane 52.2 mg/L



PROPRIETARY

USGS TEST WELL TM1077

Stoneybrook - Town of Enfield, N.Y.

Site name: TM1077 (hole depth = 106 ft)
Site ID: 422623076374501
Latitude: 42° 26′ 22.74″
Longitude: 076° 37′ 44.90″

Date completed: 11/13/2015
Drilling contractor: Frey Well Drilling, Alden, NY
6-inch diameter steel casing
Casing above ground = 4.1 ft

Latitude and longitude measurement made by GPS (NAD83)

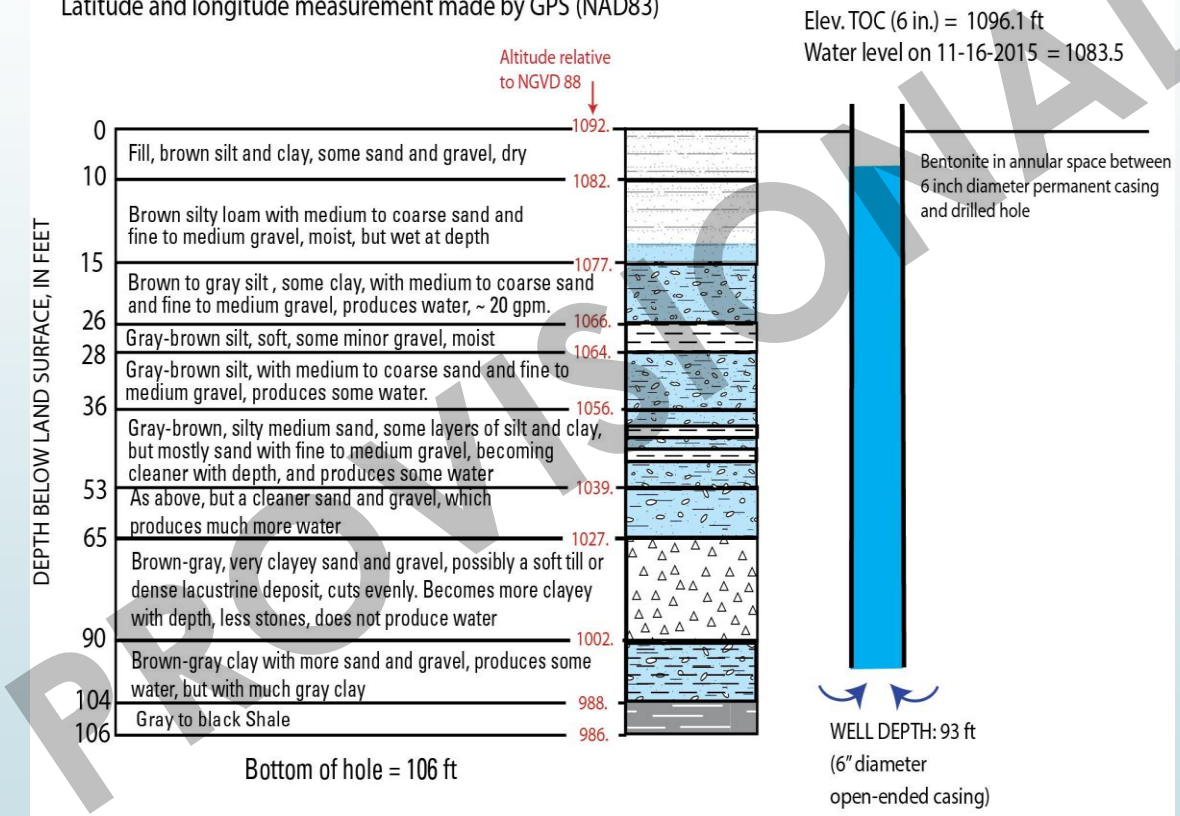


Figure ---. Well log and well construction details of U.S. Geological Survey test well TM1077, Stoneybrook - deep well, near Enfield Creek, Town of Enfield, New York.
Location of well shown on figure --.

PROVISIONAL

Shallow/Deep

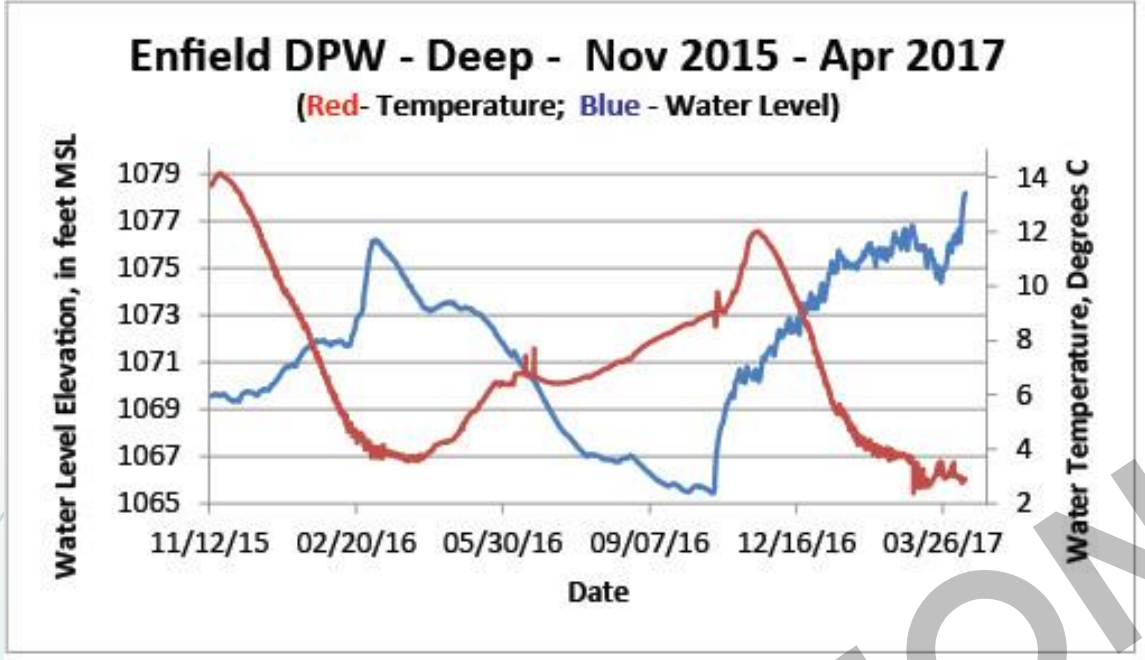
D.O.
0.2/0.1
mg/L

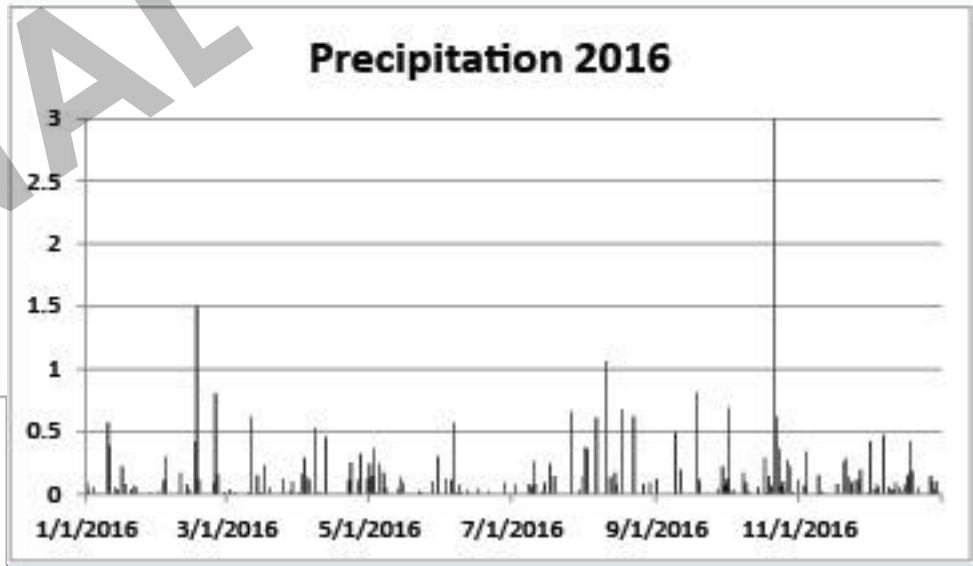
Salinity
0.2/1.3
ppt

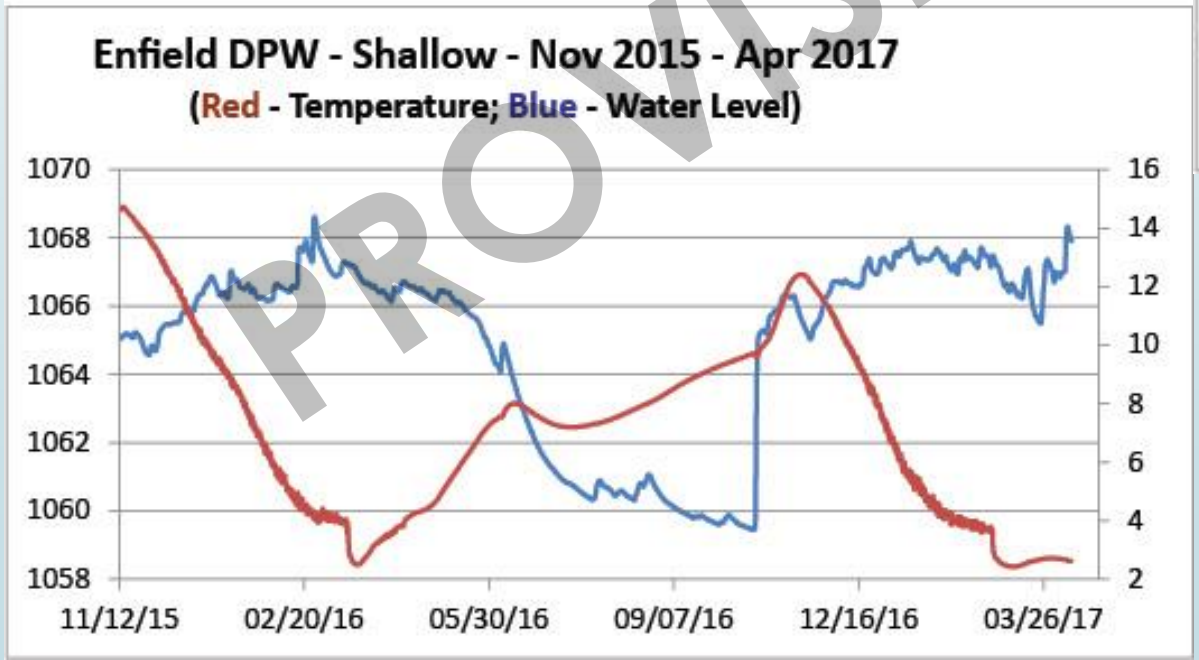
Dissolved
Solids
331/1970
mg/L

Methane
32.0
mg/L

PRELIMINARY

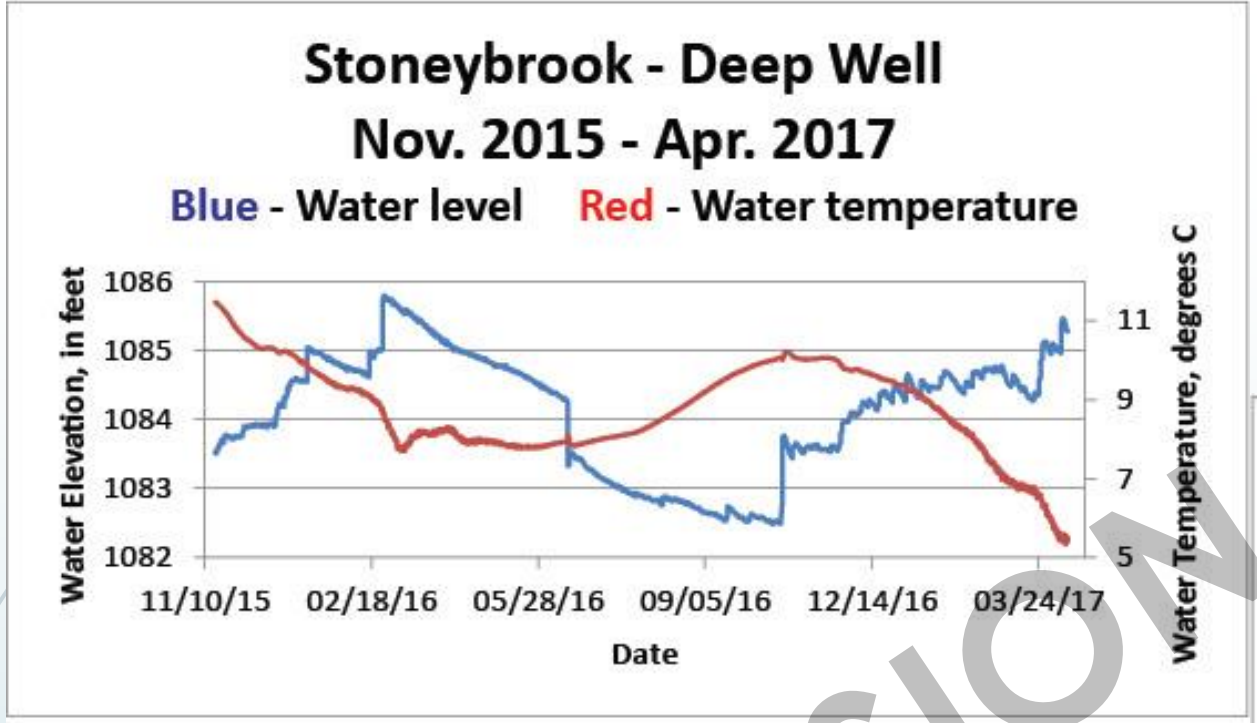


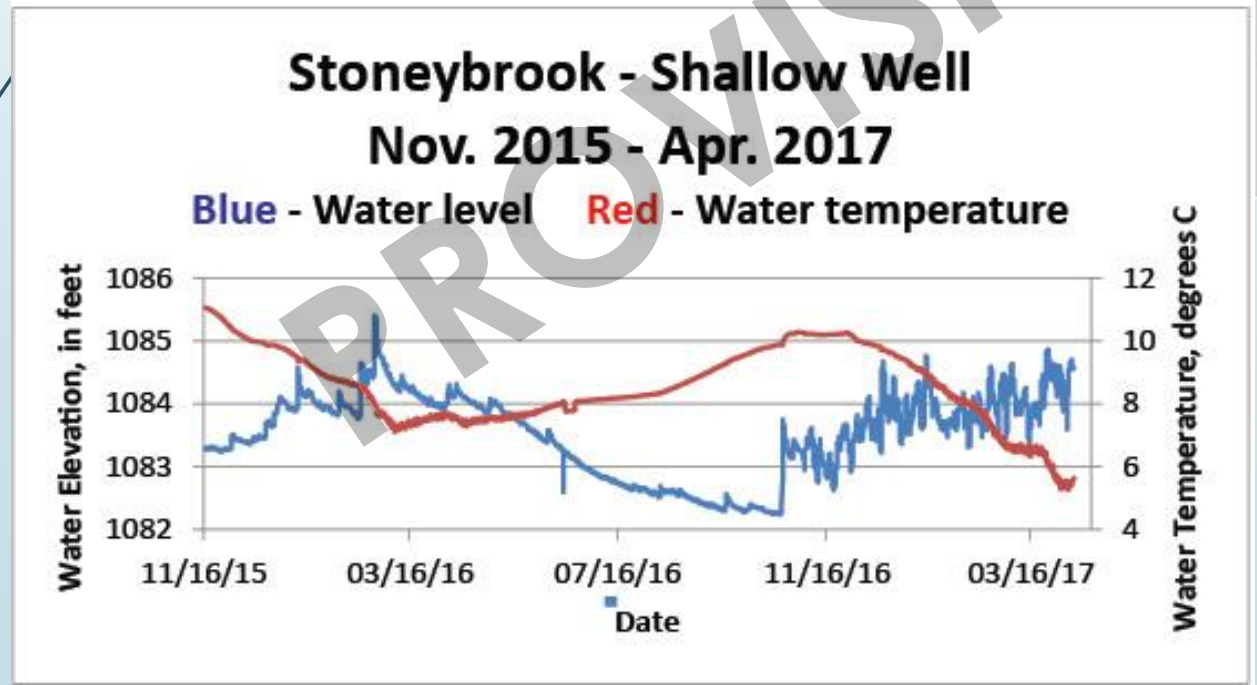


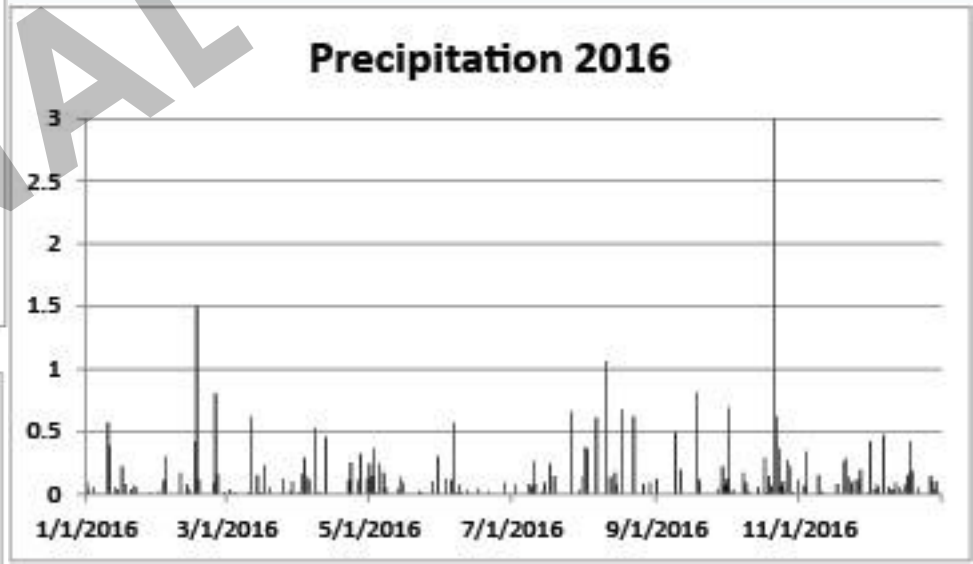


PROVISIONAL

PROPRIETARY

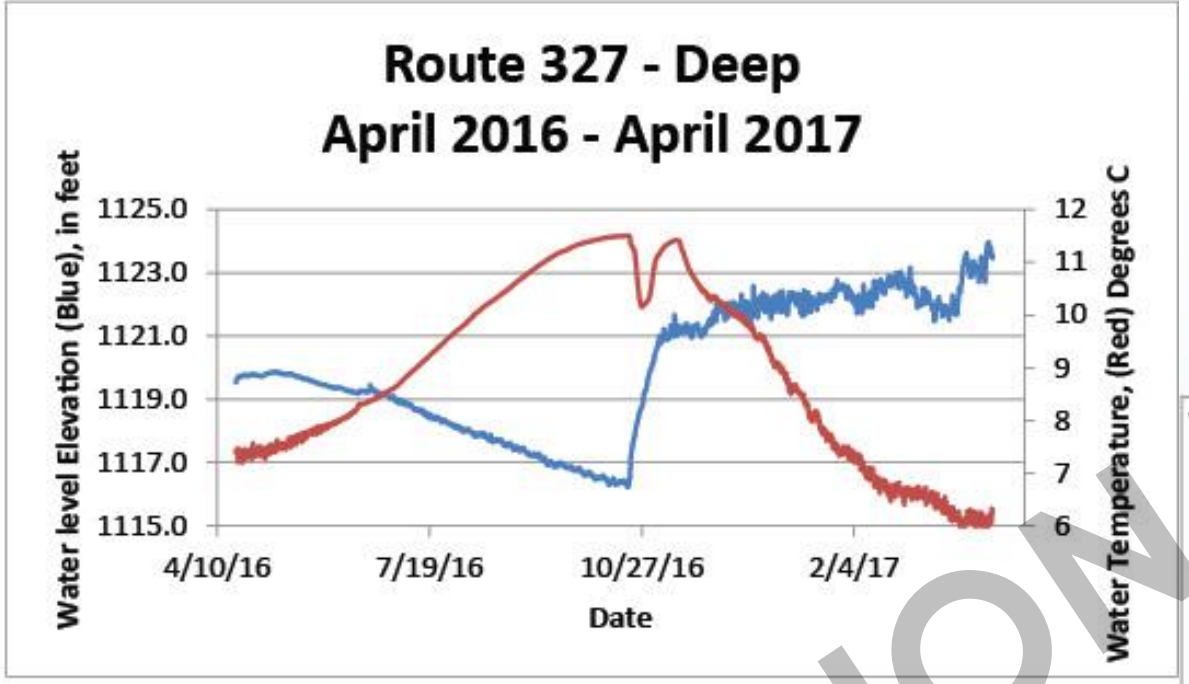


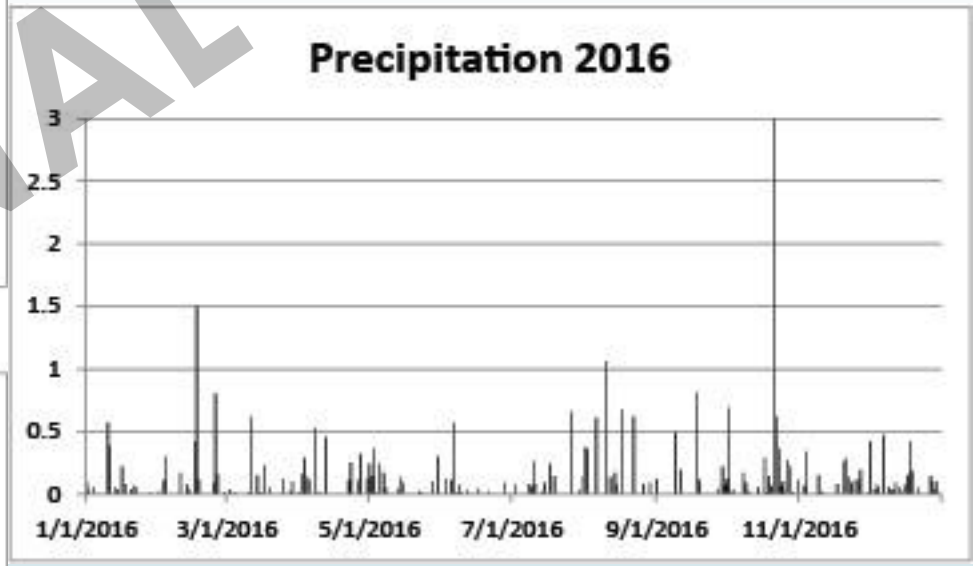


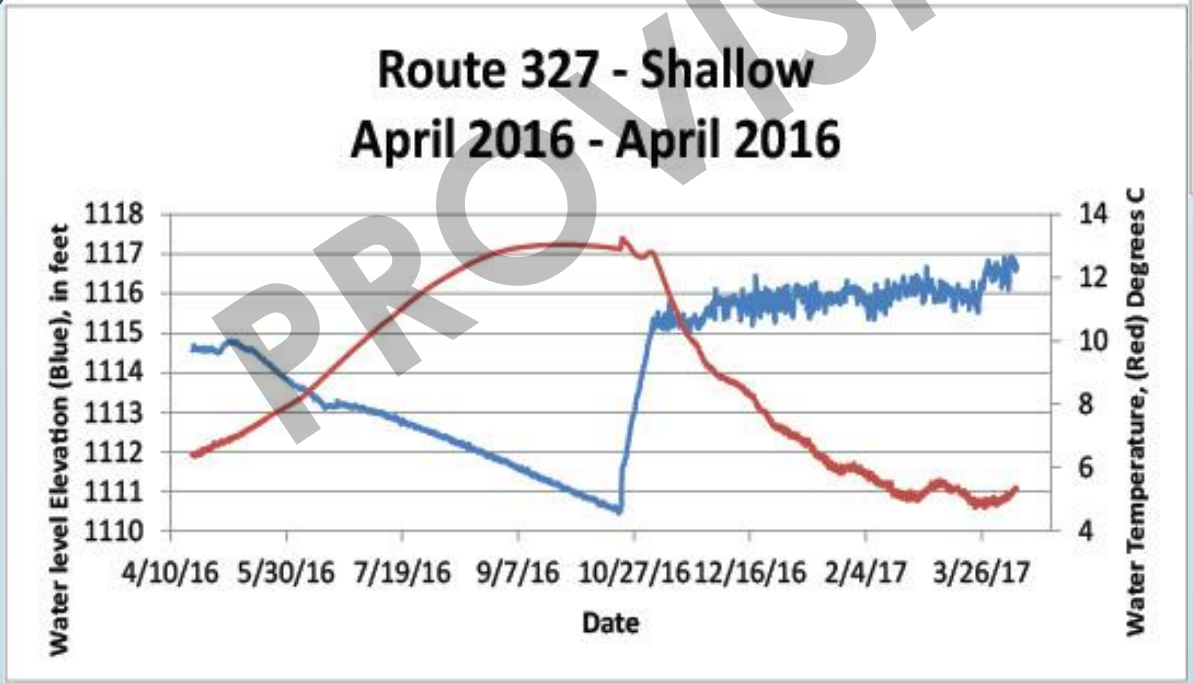


PROVISIONAL

PRELIMINARY

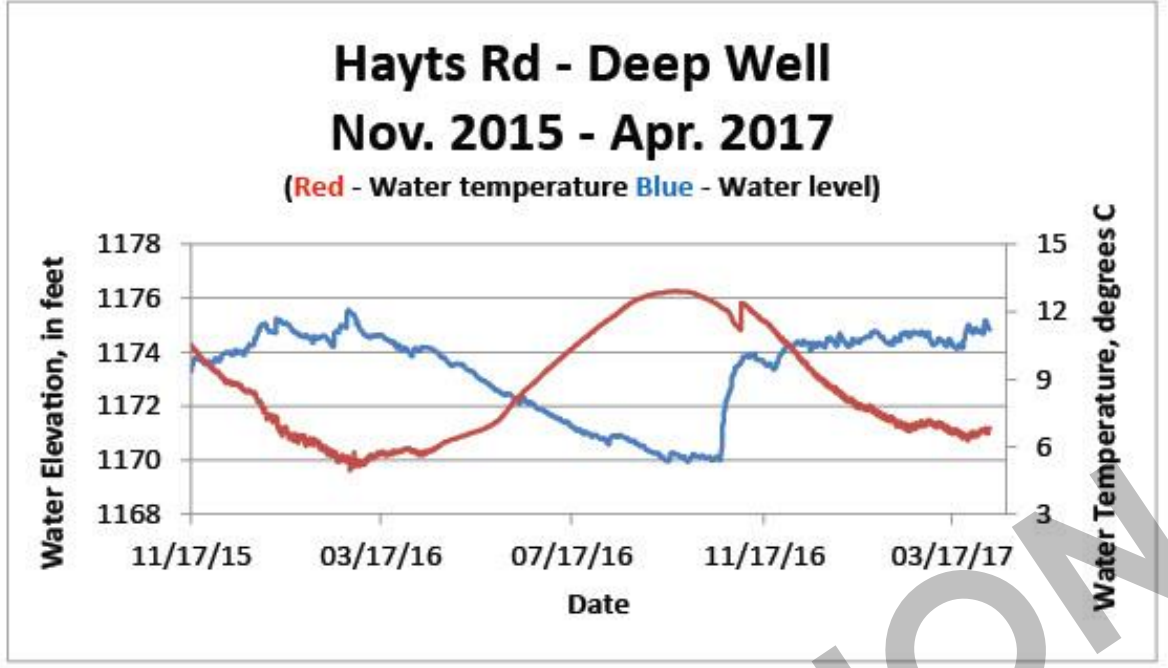


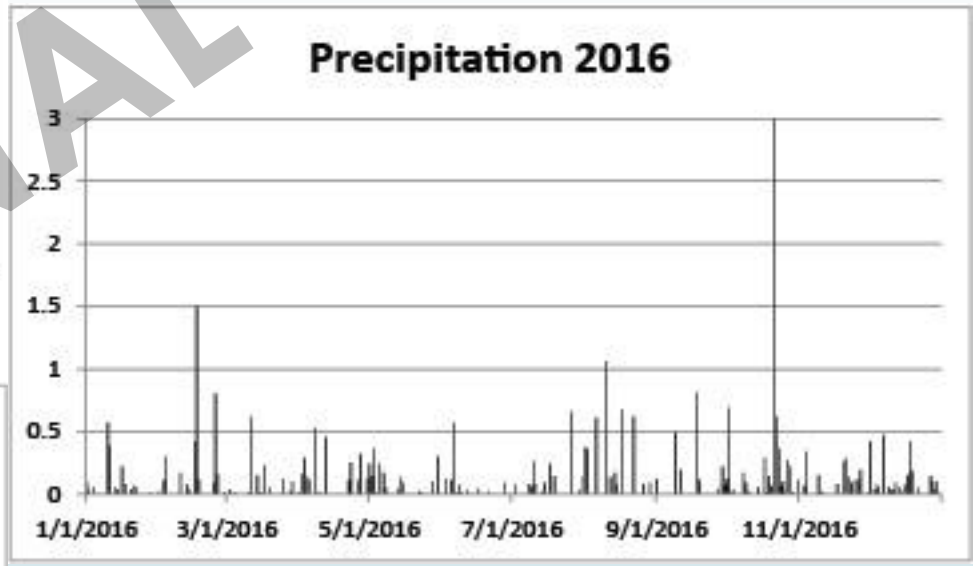


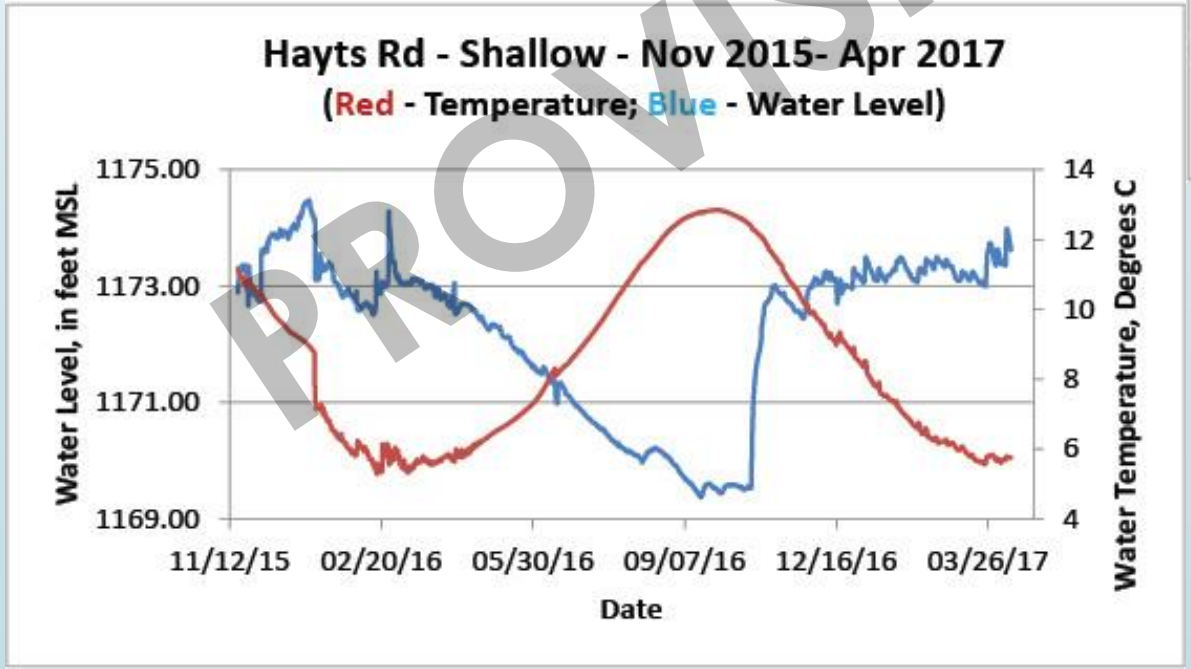


PROVISIONAL

PROPRIETARY







PROVISIONAL

Wrap up

- Project ends at the end of this fiscal year (FY17)
- Field work and data collection are completed
- Next step is to compile all the data and create a report about findings

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