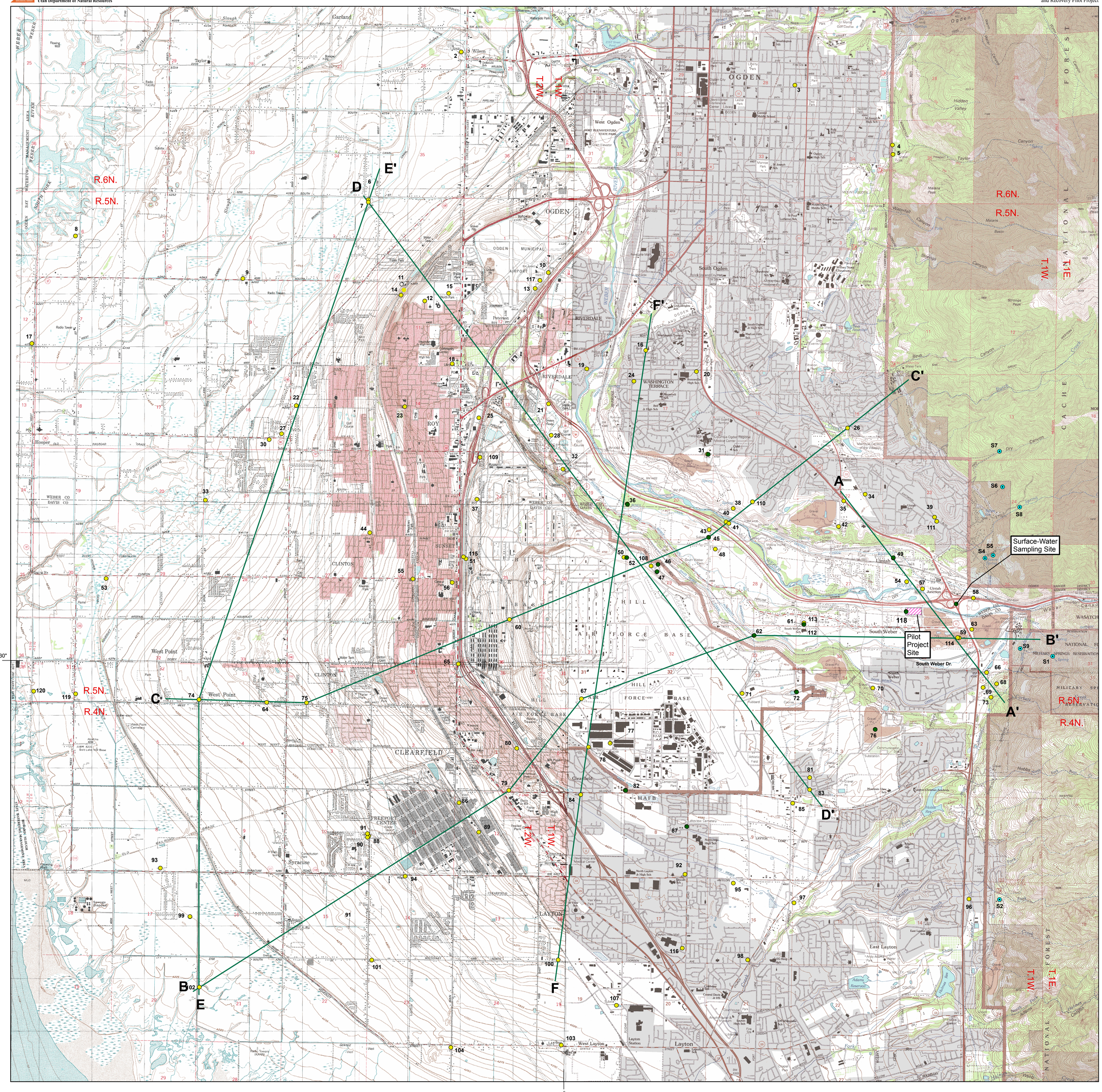
UTAH GEOLOGICAL SURVEY
a division of
Utah Department of Natural Resources



Weber River Basin Aquifer Storage and Recovery Pilot Project Study Area

Although this product represents the work of professional scientists, the Utah Department of Natural Resources, Utah Geological Survey, makes no warranty, expressed or implied, regarding its suitability for a particular use. The Utah Department of Natural Resources, Utah Geological Survey, shall not be liable under any circumstances for any direct, indirect, special, incidental, or consequential damages with respect to claims by users of this product

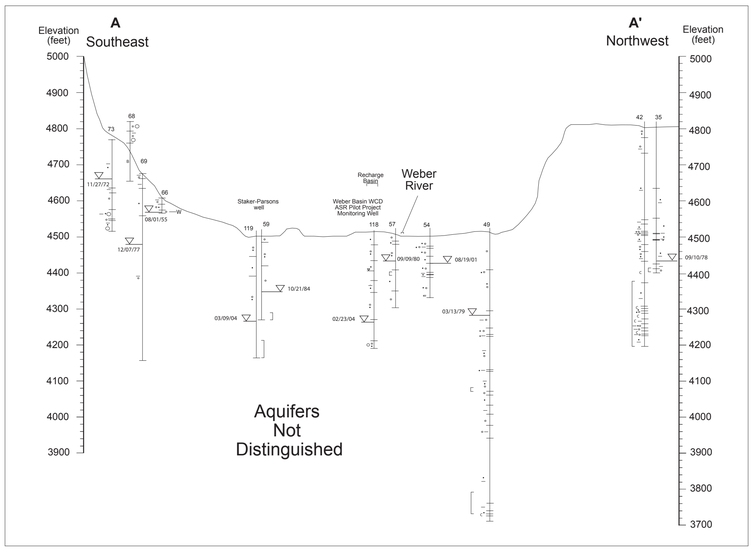
Base map from U.S. Geological Survey
Clearfield, Kaysville, Ogden, and Roy
7-1/2 minute quadrangles
Projection: UTM 12N
Datum: NAD 1983

Miles: 0 0.5 1 2
Km: 0 0.5 1 2

N

EXPLANATION

- 118 Well with ID number (table A1; plate 1 does not show all wells listed in table A1)
- 36 Well sampled for ground-water chemistry
- A—A' Cross Section (plate 2)
- Pilot project site
- Spring



EXPLANATION

Well Data

Grain Size
- Clay
- Silt
- Sand
- Gravel
- Cobbles, boulders

Lithology
- Conglomerate
- Cemented
- Hardpan
- Bedrock
- Rock

See plate 1 for locations of cross sections and table B1 for well information

Vertical exaggeration 10:1 on all cross sections

Miles: 0 0.25 0.5 1 1.5 2

Km: 0 0.5 1 2 3

Screened interval

02/13/61 Water level & date

W Water encountered during drilling

Interpretations

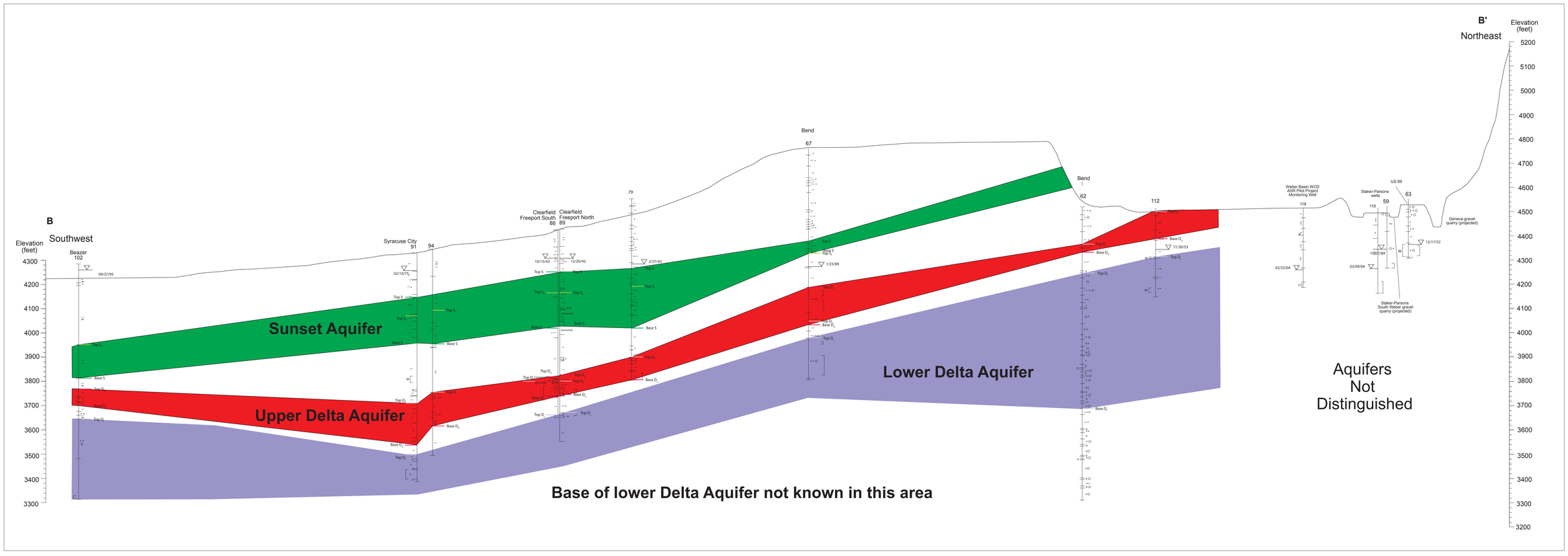
Contacts interpreted from well logs as part of this study:

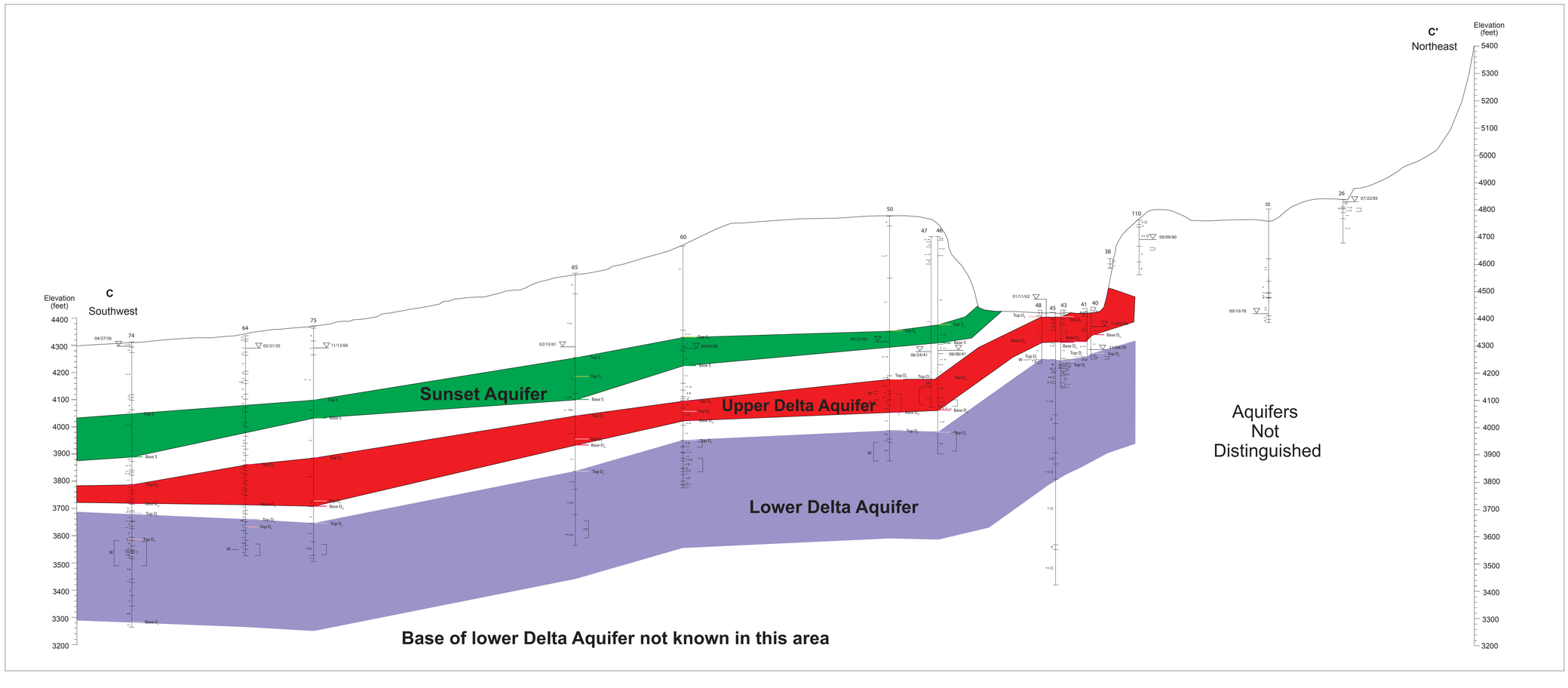
- Top S — Top of Sunset Aquifer
- Base S — Base of Sunset Aquifer
- Top D_U — Top of upper Delta Aquifer
- Base D_U — Base of upper Delta Aquifer
- Top D_L — Top of lower Delta Aquifer
- Base D_L — Base of lower Delta Aquifer

- Sunset Aquifer
- Upper Delta Aquifer
- Lower Delta Aquifer

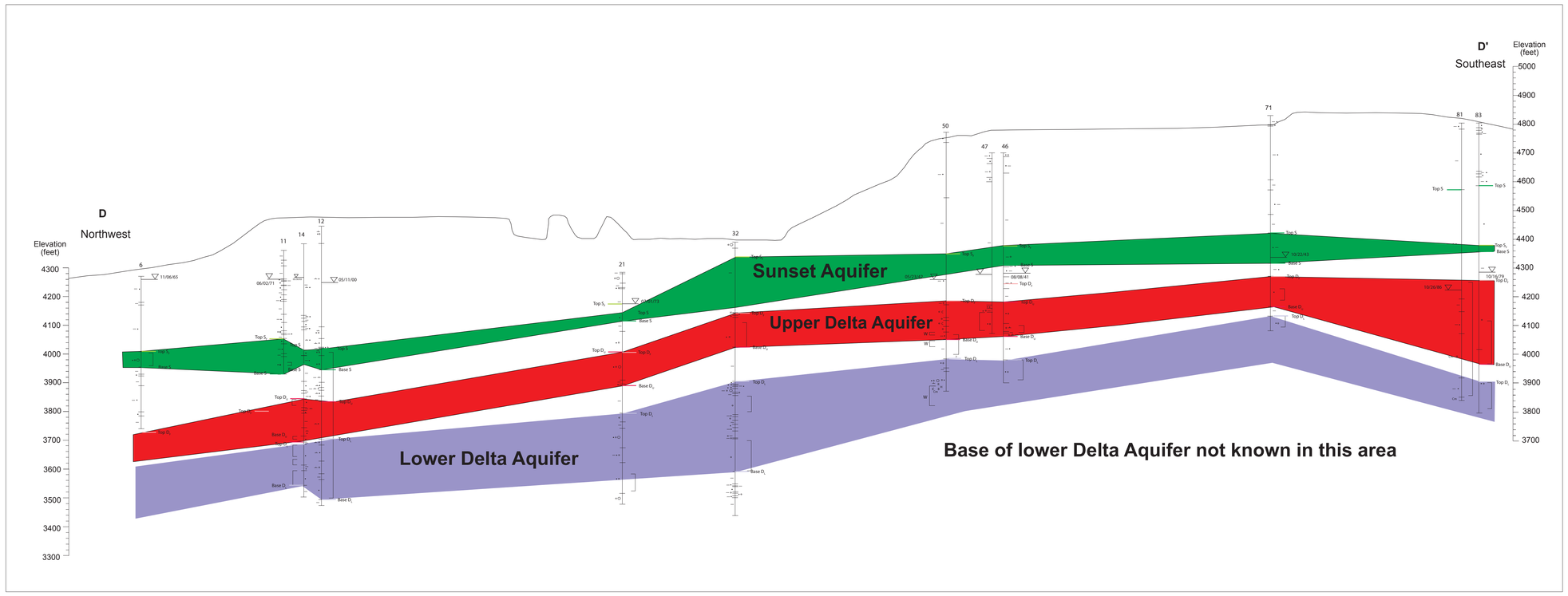
Contacts from Feth and others (1966)

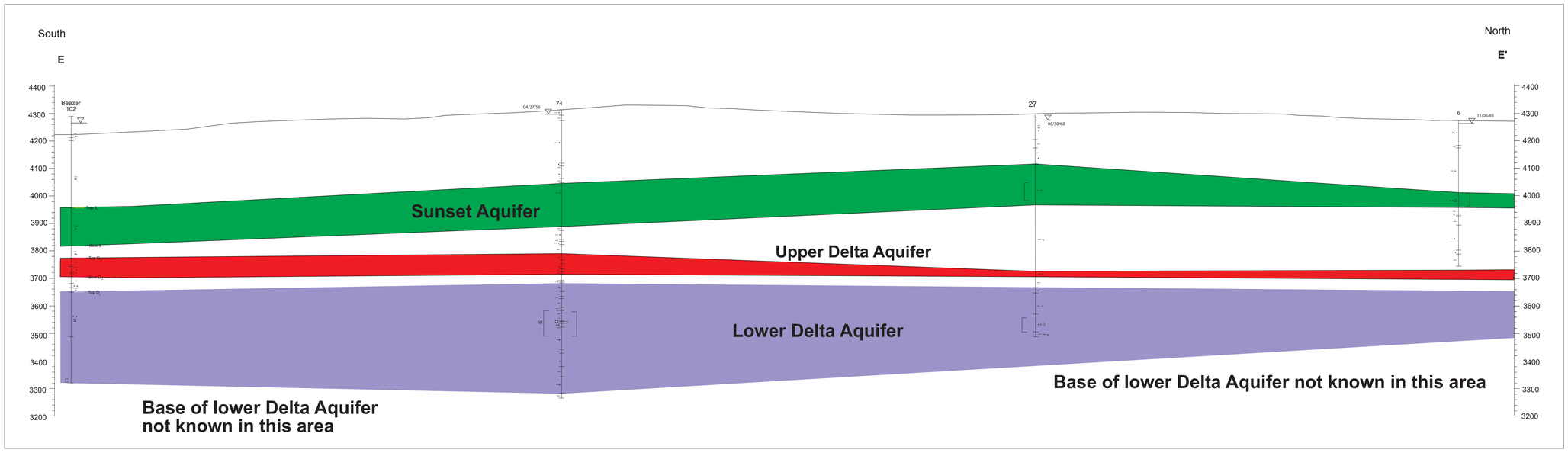
- Top S_1 — Top of Sunset Aquifer
- Top D_1 — Top of Delta Aquifer

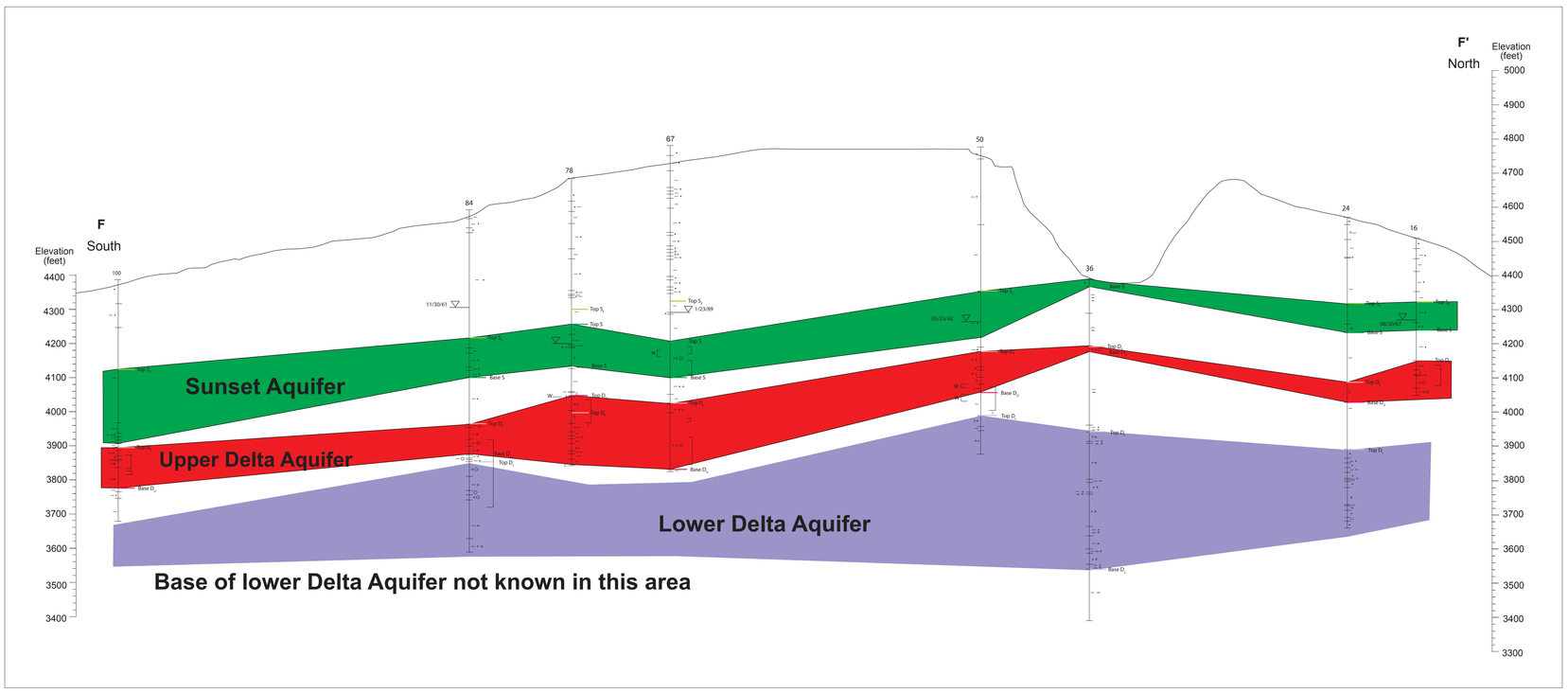




Schematic Cross Sections Through Basin Fill in the Pilot Project Study Area







EXPLANATION

See plate 1 for locations of cross sections and table B1 for well information

Vertical exaggeration 10:1 on all cross sections

Miles: 0 0.25 0.5 1 1.5 2

Km: 0 0.5 1 2 3

Well Data

Grain Size: Clay, Silt, Sand, Gravel, Cobbles, boulders

Lithology: Conglomerate, Cemented, Hardpan, Bedrock, Rock

Screened interval

02/13/61 Water level & date

Water encountered during drilling

Interpretations

Contacts interpreted from well logs as part of this study:

- Top S — Top of Sunset Aquifer
- Base S — Base of Sunset Aquifer
- Top D_u — Top of upper Delta Aquifer
- Base D_u — Base of upper Delta Aquifer
- Top D_l — Top of lower Delta Aquifer
- Base D_l — Base of lower Delta Aquifer

Sunset Aquifer

Upper Delta Aquifer

Lower Delta Aquifer

Contacts from Feth and others (1966)

- Top S_f — Top of Sunset Aquifer
- Top D_f — Top of Delta Aquifer

Schematic Cross Sections Through Basin Fill in the Pilot Project Study Area