

**UTAH GEOLOGICAL SURVEY**  
a division of  
Utah Department of Natural Resources

Plate 4  
Utah Geological Survey Special Study 144  
Moderately Saline Groundwater in the Uinta Basin, Utah

#### DEPTH TO THE BMSW, UNTA BASIN, UTAH

This study data points

- ▲ Condition 1 - Point picked in well
- △ Condition 2 - BMSW above elevation listed\*
- ▲ Condition 3 - BMSW below elevation listed\*
- ▼ Condition 4 - "Non-saline" water likely  $\geq 500$  ft below BMSW elevation listed
- ▼ Condition 5 - Same as condition 2 and "non-saline" water likely  $\geq 500$  ft below BMSW elevation listed\*

TP-92 data points (\* indicates altered point)

- ▲ Condition 1 - Point picked in well
- △ Condition 2 - BMSW above elevation listed\*
- ▲ Condition 3 - BMSW below elevation listed\*
- ▼ Condition 4 - "Non-saline" water likely  $\geq 500$  ft below BMSW elevation listed
- ▼ Condition 5 - Same as condition 2 and "non-saline" water likely  $\geq 500$  ft below BMSW elevation listed\*

For above points, the API number is listed above the point and the depth of the BMSW is posted below.

\*If point has no depth posted, it is a < or > point not used in mapping because other nearby definitive points are deferred to.

#### Contour fill

Depth in ft to BMSW

0
1000
2000
3000
4000
5000
6000
7000
8000
9000
10000
11000
12000
13000
14000
15000

Contour interval = 1000 ft

Contour interval = 1000 ft

Depth contour<sup>a</sup>  
1000 ft contour interval, + or - 100 ft  
(grey line = 500 ft contour interval)

Cross section

Uinta Basin boundary

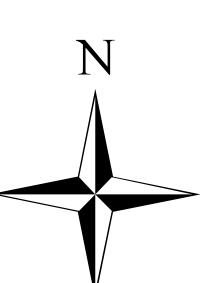
County boundary

Township/Range boundary

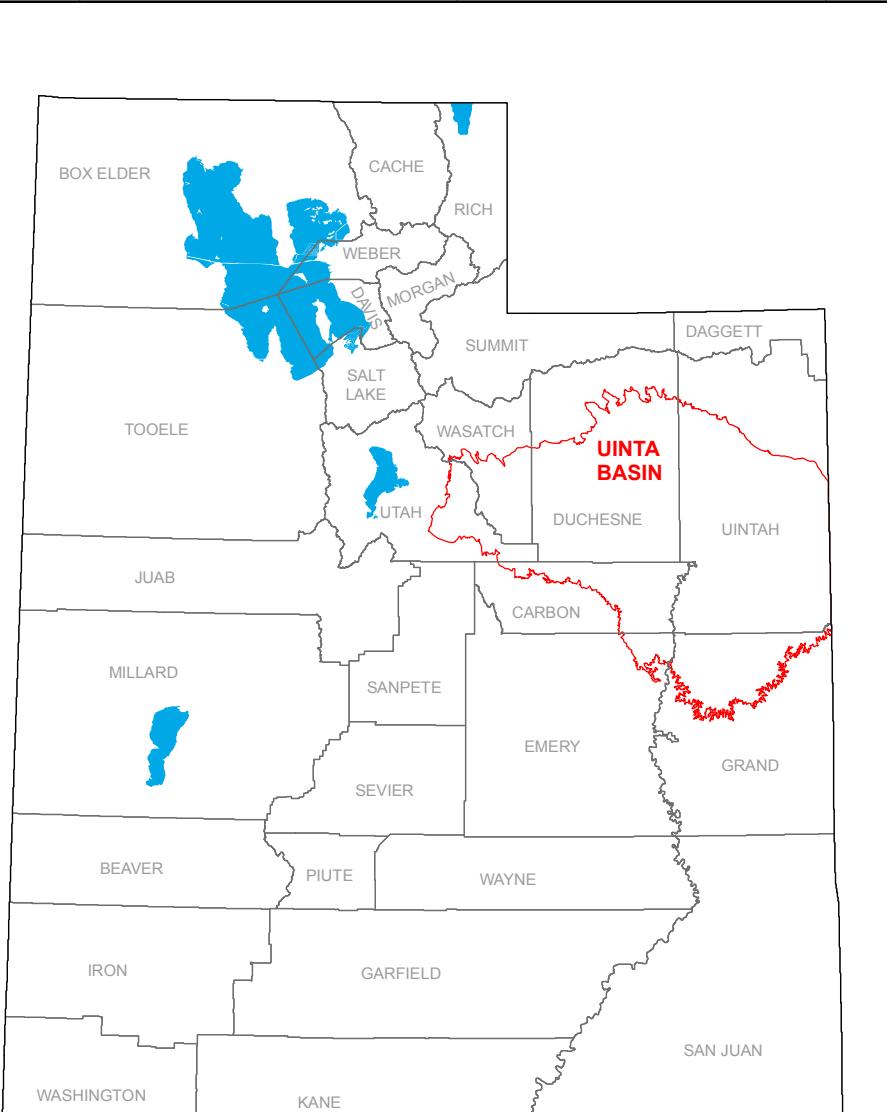
Salt Lake Base Line and Meridian

Uinta Base Line and Meridian

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12E 13E



Scale 1:200,000

0 4 8 16 24 32 Miles