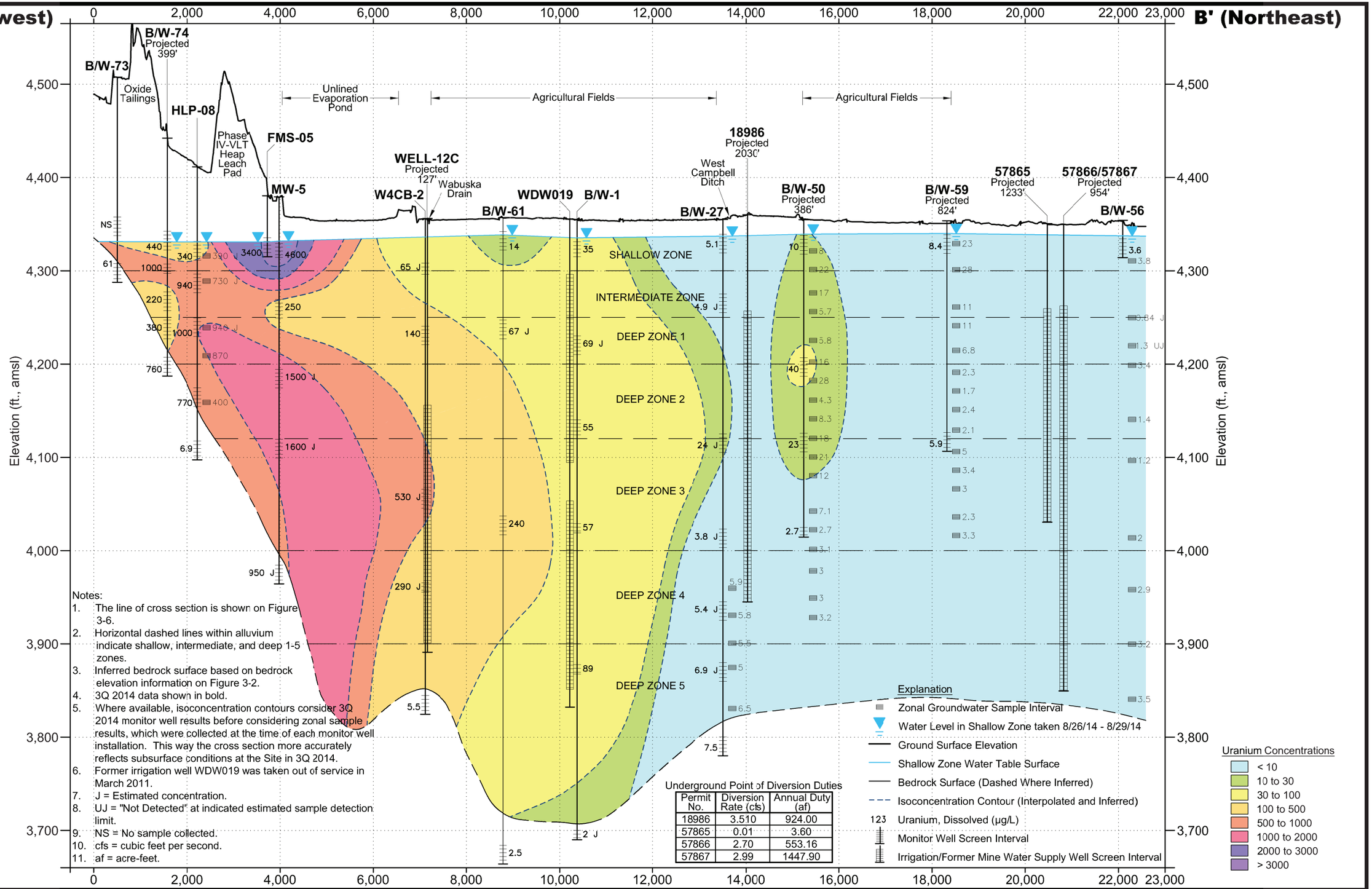
B (Southwest) — B' (Northeast)



Notes:

1. The line of cross section is shown on Figure 3-6.
2. Horizontal dashed lines within alluvium indicate shallow, intermediate, and deep 1-5 zones.
3. Inferred bedrock surface based on bedrock elevation information on Figure 3-2.
4. 3Q 2014 data shown in bold.
5. Where available, isoconcentration contours consider 3Q 2014 monitor well results before considering zonal sample results, which were collected at the time of each monitor well installation. This way the cross section more accurately reflects subsurface conditions at the Site in 3Q 2014.
6. Former irrigation well WDW019 was taken out of service in March 2011.
7. J = Estimated concentration.
8. UJ = "Not Detected" at indicated estimated sample detection limit.
9. NS = No sample collected.
10. cfs = cubic feet per second.
11. af = acre-feet.

Underground Point of Diversion Duties

Permit No.	Diversion Rate (cfs)	Annual Duty (af)
18986	3.510	924.00
57865	0.01	3.60
57866	2.70	553.16
57867	2.99	1447.90

Explanation

- Zonal Groundwater Sample Interval
- Water Level in Shallow Zone taken 8/26/14 - 8/29/14
- Ground Surface Elevation
- Shallow Zone Water Table Surface
- Bedrock Surface (Dashed Where Inferred)
- Isoconcentration Contour (Interpolated and Inferred)
- 123 Uranium, Dissolved (µg/L)
- Monitor Well Screen Interval
- Irrigation/Former Mine Water Supply Well Screen Interval

Uranium Concentrations

- < 10
- 10 to 30
- 30 to 100
- 100 to 500
- 500 to 1000
- 1000 to 2000
- 2000 to 3000
- > 3000

Brown AND Caldwell

Date: June 2015

Atlantic Richfield Company

Project: 145576

20X VERTICAL EXAGGERATION
1000 0 1000 2000 FEET

Yerington Mine Site, Nevada

Figure 3-9d

Uranium in Groundwater
Cross Section B-B'
August 2014

Jun 17, 2015 - 4:03pm rjohnson
P:\Arco-Yerington\Background GW Quality Assessment\145576 - Year 2015 Files\CAD\Background GW Work Plan\Cross Sections\Figure 3-9d - Section B-B Uranium.dwg