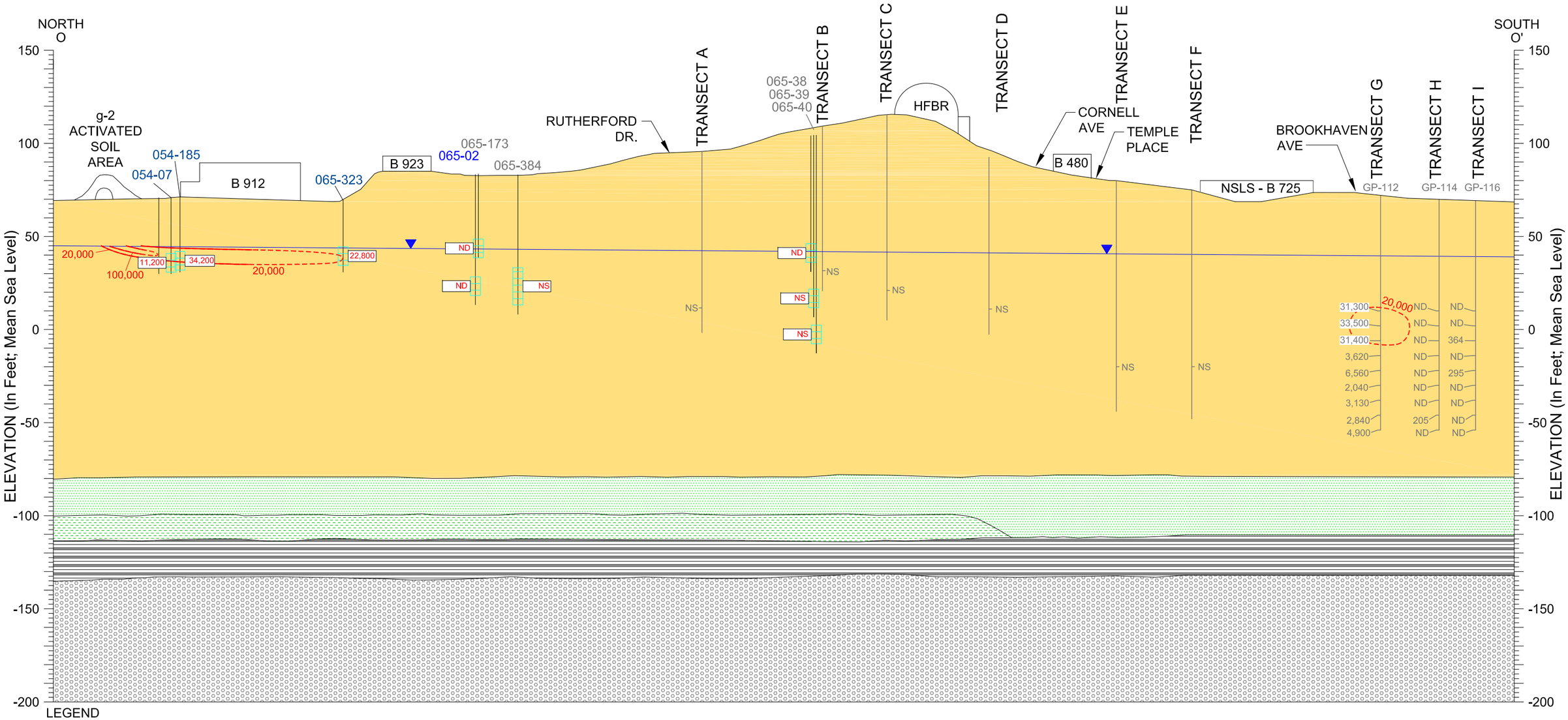


LEGEND

Upper Glacial aquifer
- UG Upper Glacial Sands
- UC Upper Glacial Silts & Clays
- UU Upton Unit

Gardiners Clay
- GL Gardiners Clay
- GS Gardiners Clay – Silt

HORIZONTAL SCALE
0 100 200 FT

Magothy aquifer
- MA Magothy Sands and Clay
- MB Magothy Brown Clay
- MC Magothy Clays (undifferentiated)
- MO Magothy – OTHER

065-40 BNL Well ID

Monitoring Well Screen

Water Table As Of November 26–30, 2012

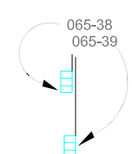
20,000 Tritium Concentration (pCi/L)

100,000 Tritium Contour (pCi/L) (Dashed Where Inferred)

pCi/L – pico Curies per liter

<MDA – minimum detectable activity

Monitoring Well IDs are stacked in order of the depth of the well from shallow to deep



NOTES:

1) GEOLOGIC INFORMATION SHOWN IS BASED ON ADDITIONAL EXPLORATIONS (e.g., HYDROPUNCHES, GEOPROBES, VERTICAL PROFILES, AND/OR TEST WELLS).

2) PLUME DISTRIBUTION IS BASED ON 2nd QTR 2012 PERMANENT AND TEMPORARY WELLS, TRANSECT G, H AND I TEMPORARY WELLS WERE SAMPLED IN JUNE 2012.

3) CONTOUR INTERVAL IS AS SHOWN.

4) BNL WELL ID COLOR CORRESPONDS TO LONG–TERM MONITORING PROGRAM COLOR CODE.

NS – GEOPROBE WELL NOT REINSTALLED/SAMPLED

BROOKHAVEN NATIONAL LABORATORY

ENVIRONMENTAL PROTECTION DIVISION

TITLE:

FACILITY MONITORING PROGRAM, AOC 16T g–2 TRITIUM PLUME, 2nd QUARTER 2012 CROSS SECTION (O–O')

2012 BNL GROUNDWATER STATUS REPORT

DWN:	VT:HZ.:	DATE:	PROJECT NO.:
AJZ	5:1	06/12/13	–
CHKD:	APPD:	REV.:	NOTES:
JEB	DEP	–	–
FIGURE NO.:			
3.8–2			

\\OERNT\GIS\GW_PROJECTS\CY_2012_GW_REPORT\FINAL_FIGURES\FIG_3-08-02 061213.DWG