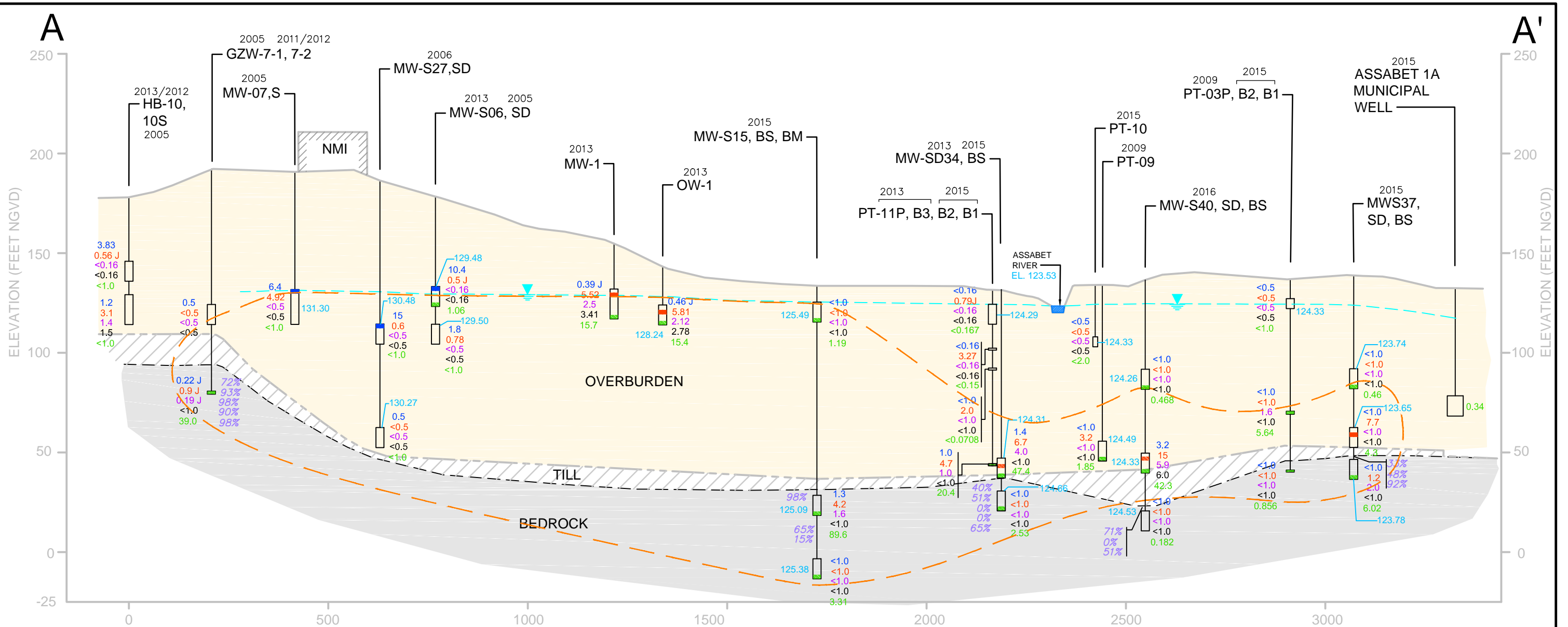


T:\PROJECTS\CADD\NMI (NUCLEAR METALS SUPERFUND SITE)\2015-DEC-SECTION\BRO09A-01_SECT A_B_REV01-2016



LEGEND

- EXISTING GROUND SURFACE
- - - TOP OF TILL
- - - TOP OF BEDROCK
- 124.91 17 NOV. 2015 GROUNDWATER ELEVATION
- SHALLOW GROUNDWATER LEVEL
- EXTENT OF 1,4-DIOXANE AND VOCs ABOVE ROD CLEANUP LEVELS
- MONITORING WELL
- ROCK QUALITY DESIGNATION (RQD) 50%
- SCREENED INTERVAL
- VOCs / SVOCs 2.0 (ug/L)
- BARCAD SAMPLER

- OVERBURDEN
- GLACIAL TILL
- BEDROCK

ROD CLEANUP LEVELS	
MCLs ug/L	
PCE	5
TCE	5
1,1-DCE	7
1,1,1-TCA	200
RISK BASED ug/L	
1,4-DIOXANE	0.46

NOTES:

- J = ESTIMATED VALUE: COMPOUND IS DETECTED, BUT BELOW THE SAMPLE QUANTITATION LIMIT.
- MCL = MAXIMUM CONTAMINANT LIMIT. ROD = RECORD OF DECISION, SEPTEMBER 2015.
- DEPTHS TO TOP OF BEDROCK AND WELL SCREENS ARE APPROXIMATE.
- WELL NAME DESIGNATIONS FROM LEFT TO RIGHT INDICATE THE SHALLOWEST TO THE DEEPEST AT THAT LOCATION.
- WELL SCREEN COLORED WHEN COMPOUND EXCEEDS ROD CLEANUP LEVEL.
- ASSABET RIVER ELEVATIONS DETERMINED BY LINEAR INTERPOLATION BETWEEN TWO CLOSEST KNOWN ELEVATIONS.
- WELL CLUSTER MW-40 INSTALLED IN JANUARY 2016. WELL CLUSTERS MW-32, 34, 36 INSTALLED IN 2015. ALL OTHER WELLS INSTALLED PRIOR TO 2005.
- ASSUME GROUND SURFACE AT ASSABET 1A = 132.25 BASED ON GROUND SURFACE ELEVATION AT ASSABET 1 GROUND SURFACE FROM 1970
- AT THE TIME OF WATER LEVEL MEASUREMENTS, ASSABET 1A WAS PUMPING AT AN AVERAGE RATE OF 288 GPM. WATER LEVEL ASSUMED AT APPROXIMATELY 120 FT. BASED ON 8 FT. DRAW DOWN AND STATIC DEPTH OF 128 FT. NGVD
- GROUNDWATER ELEVATIONS FOR LOCATIONS MW-S40, MW-SD40, AND MW-BS40 WERE ESTIMATED BY COMPARING DATA COLLECTED ON 17 NOVEMBER 2015 AND 21 JANUARY 2016.

Approximate Scale
Horizontal 1" = 250'
Vertical 1" = 50'

DRAFT

VOCs and 1,4-Dioxane Distribution in
Cross-Section, Data through January 2016

NUCLEAR METALS SUPERFUND SITE
CONCORD, MASSACHUSETTS



ACTON, MASSACHUSETTS FEBRUARY 2016

FIGURE

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