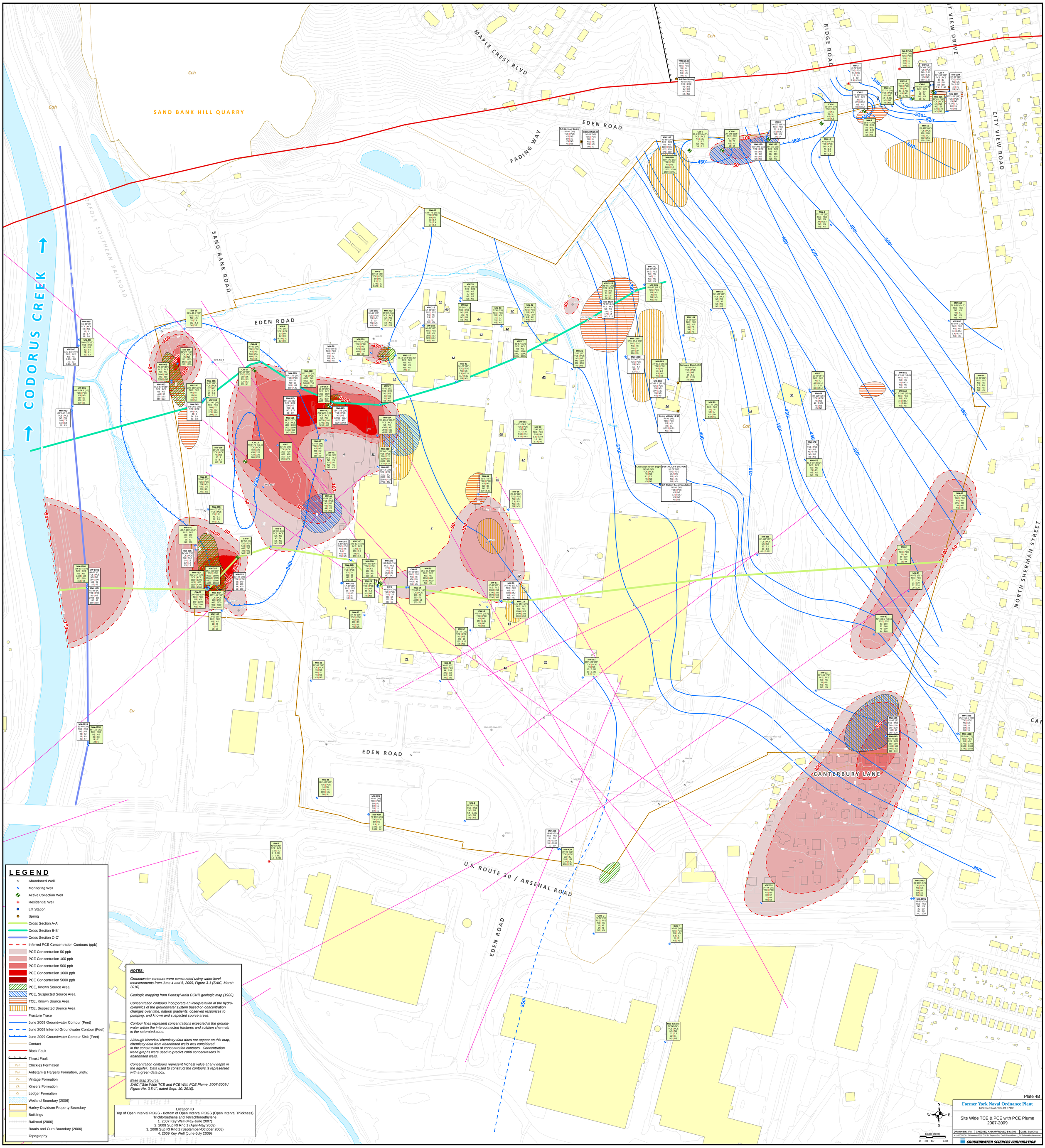
SAND BANK HILL QUARRY
MAPLE CREST BLVD
EDEN ROAD
FADING WAY
RIDGE ROAD
CITY VIEW ROAD
CITY VIEW DRIVE
SAND BANK ROAD
NORFOLK SOUTHERN RAILROAD
CODORUS CREEK
NORTH SHERMAN STREET
CANTERBURY LANE
U.S. ROUTE 30 / ARSENAL ROAD
Cch
Cah
Cv
Ck
Cl
LEGEND
Abandoned Well
Monitoring Well
Active Collection Well
Residential Well
Lift Station
Spring
Cross Section A-A'
Cross Section B-B'
Cross Section C-C'
Inferred PCE Concentration Contours (ppb)
PCE Concentration 50 ppb
PCE Concentration 100 ppb
PCE Concentration 500 ppb
PCE Concentration 1000 ppb
PCE Concentration 5000 ppb
PCE, Known Source Area
PCE, Suspected Source Area
TCE, Known Source Area
TCE, Suspected Source Area
Fracture Trace
June 2009 Groundwater Contour (Feet)
June 2009 Inferred Groundwater Contour (Feet)
June 2009 Groundwater Contour Sink (Feet)
Contact
Block Fault
Thrust Fault
Chickies Formation
Antietam & Harpers Formation, undiv.
Vintage Formation
Kinzers Formation
Ledger Formation
Wetland Boundary (2006)
Harley-Davidson Property Boundary
Buildings
Railroad (2006)
Roads and Curb Boundary (2006)
Topography
NOTES:
Groundwater contours were constructed using water level measurements from June 4 and 5, 2009, Figure 3-1 (SAIC, March 2010)
Geologic mapping from Pennsylvania DCNR geologic map (1980).
Concentration contours incorporate an interpretation of the hydro-dynamics of the groundwater system based on concentration changes over time, natural gradients, observed responses to pumping, and known and suspected source areas.
Contour lines represent concentrations expected in the ground-water within the interconnected fractures and solution channels in the saturated zone.
Although historical chemistry data does not appear on this map, chemistry data from abandoned wells was considered in the construction of concentration contours. Concentration trend graphs were used to predict 2008 concentrations in abandoned wells.
Concentration contours represent highest value at any depth in the aquifer. Data used to construct the contours is represented with a green data box.
Base Map Source:
SAIC ("Site Wide TCE and PCE With PCE Plume, 2007-2009 / Figure No. 3.5-1", dated Sept. 10, 2010).
Location ID
Top of Open Interval FtBGS - Bottom of Open Interval FtBGS (Open Interval Thickness)
Trichloroethene and Tetrachloroethylene
1. 2007 Key Well (May-June 2007)
2. 2008 Sup RI Rnd 1 (April-May 2008)
3. 2008 Sup RI Rnd 2 (September-October 2008)
4. 2009 Key Well (June-July 2009)
Plate 4B
Former York Naval Ordnance Plant
1425 Eden Road, York, PA 17402
Site Wide TCE & PCE with PCE Plume
2007-2009
DRAWN BY: JPB
CHECKED AND APPROVED BY: SMS
DATE: 8/19/2011
K:\2000\1001\2\Projects\2011 GW RI Report\2nd Draft\Plate4Brev1_PCEsitewideplume.mxd
GROUNDWATER SCIENCES CORPORATION
Scale (feet)
0 30 60 120