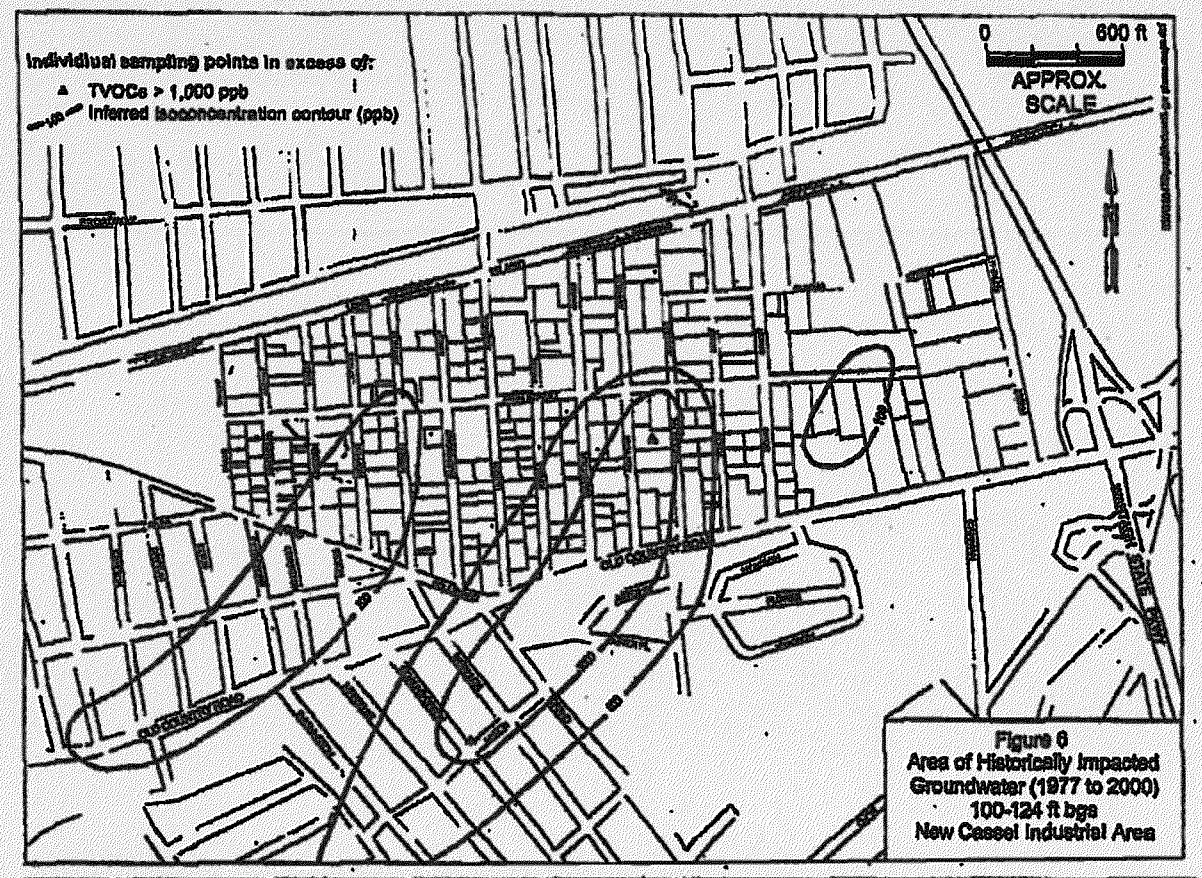

Figure 6
Area of Historically Impacted Groundwater (1977 to 2000)
100-124 ft bgs
New Cassel Industrial Area

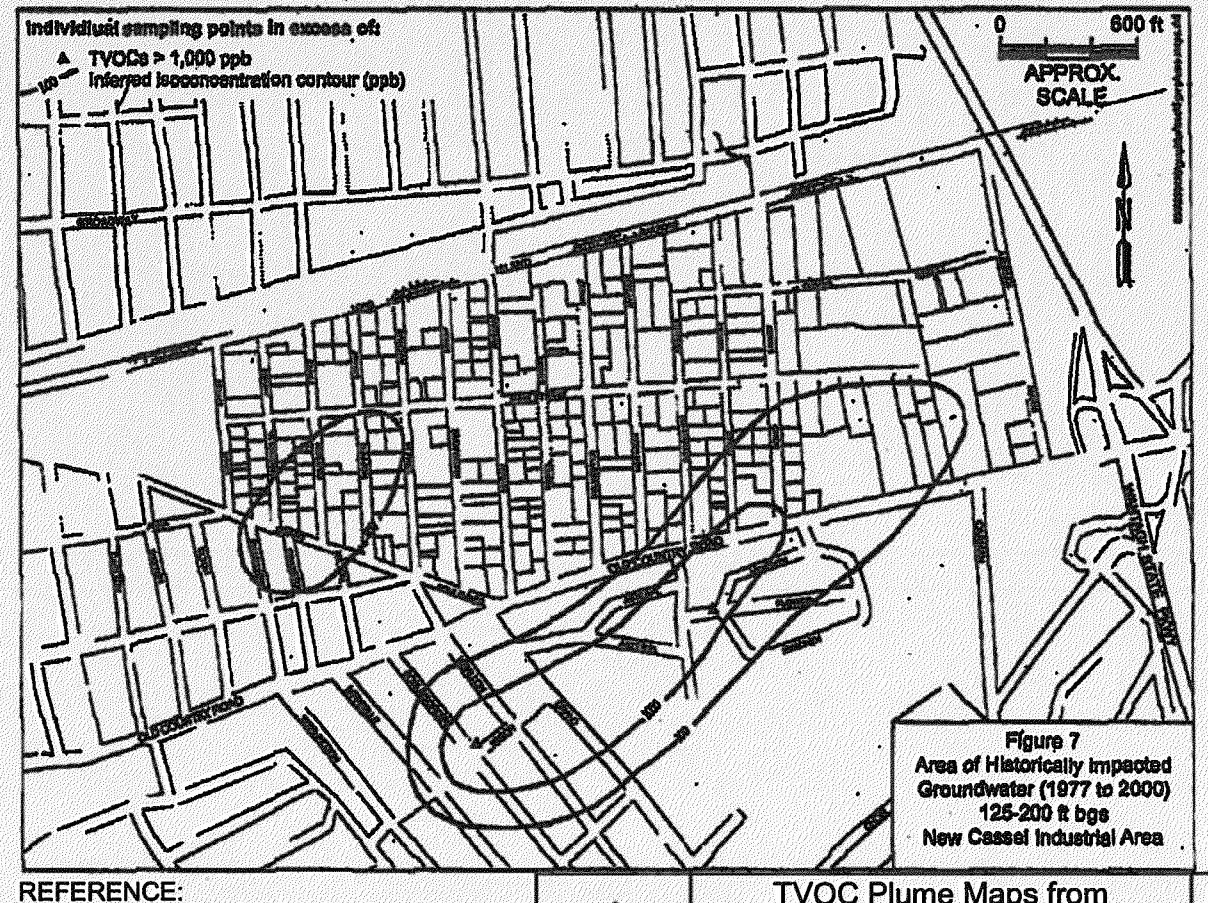

Figure 7
Area of Historically Impacted Groundwater (1977 to 2000)
125-200 ft bgs
New Cassel Industrial Area

REFERENCE:
1) NYSDEC, 2003.

GRADIENT

TVOC Plume Maps from 2003 Off-Site Groundwater ROD (NYSDEC)

NCIA and OU1, Hempstead, New York

FIGURE 2.5

Date: 9/18/2013

File Path: G:\Projects\209070_IMC\Graphics\NonCAD\Aug2013rpt\VolatileOrganicPlumes_OU1.ai

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GRADIENT

Groundwater Elevation Contours and Flow Direction Upper Glacial Aquifer

NCIA and OU1, Hempstead, New York

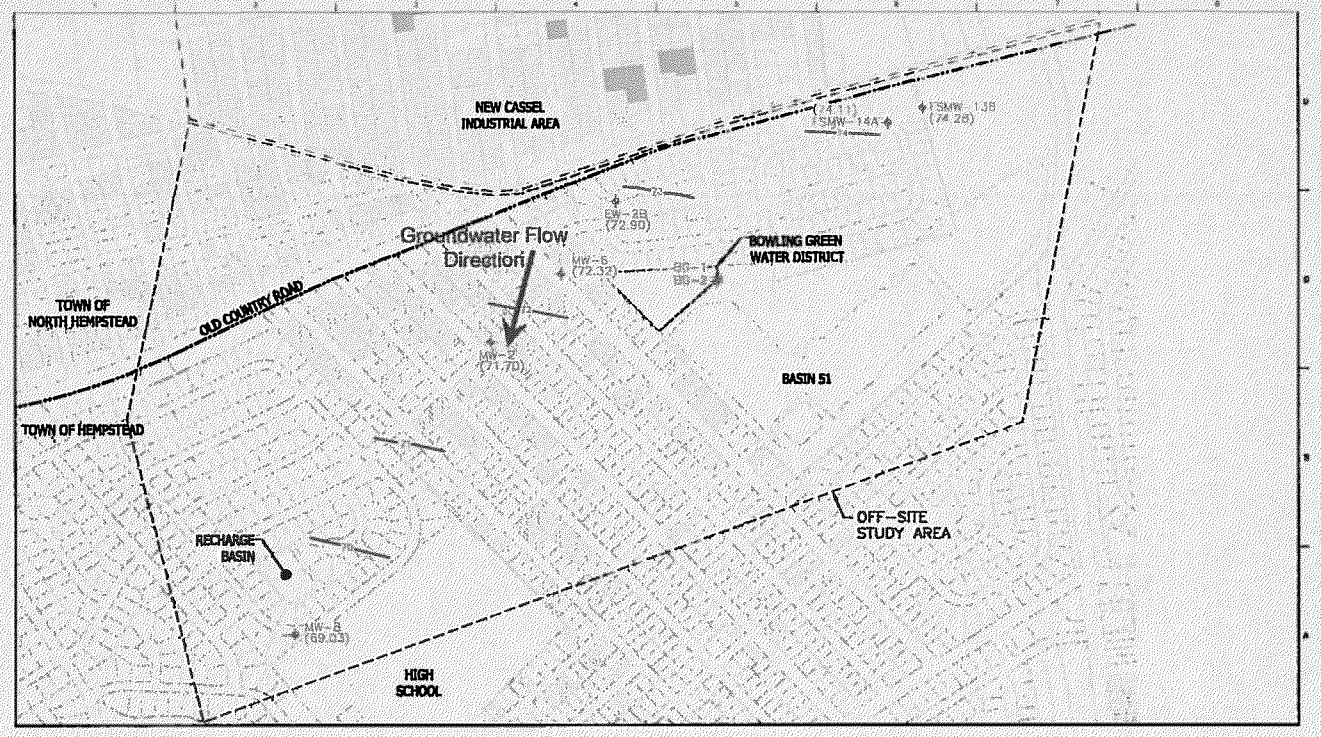
FIGURE 2.6a

Date: 9/19/2013

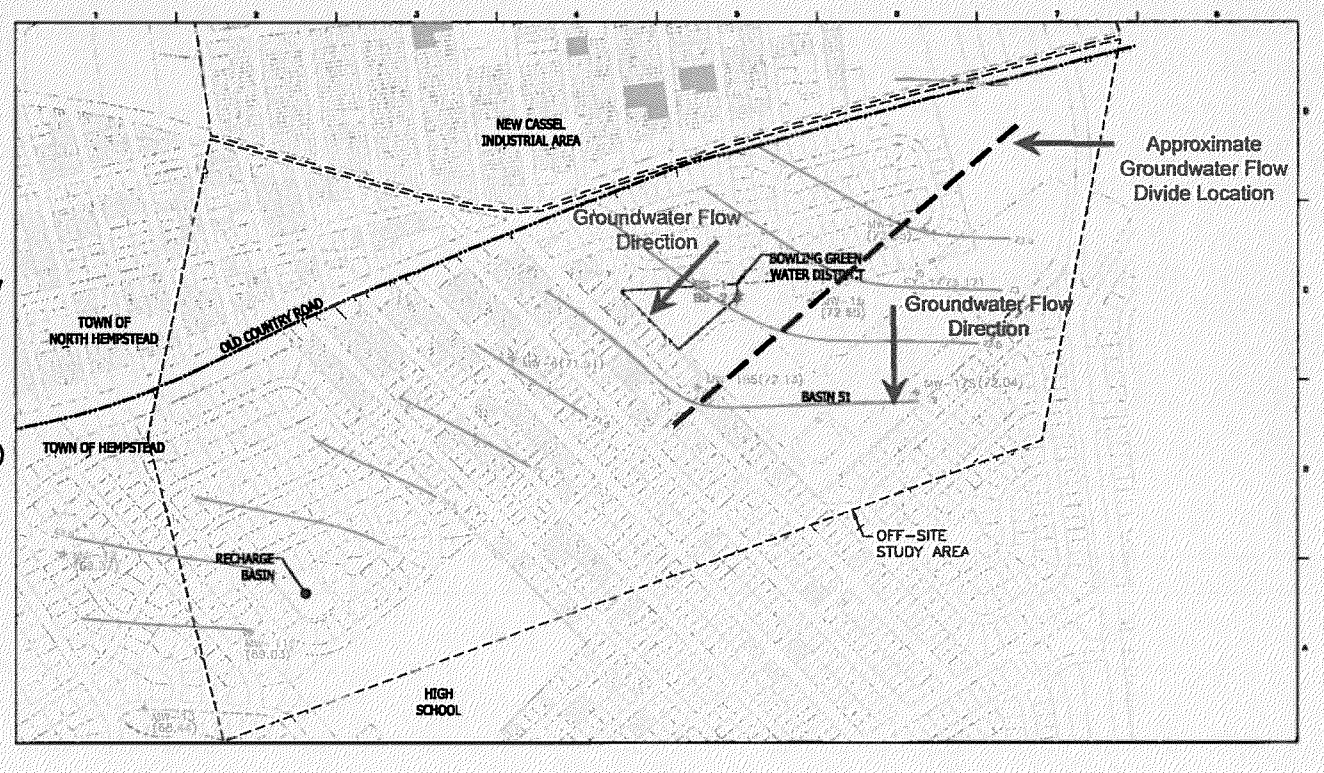
File Path: G:\Projects\209070_MCC\Graphics\GADGIS\111\209070_111_01_GW_Elev.mxd

ED_001164_00025261-00002

Magothy Aquifer 130-140' BGS (Source: HDR, 2011)



Magothy Aquifer 205' BGS (Source: HDR, 2011)



GRADIENT

Groundwater Elevation Contours and Flow Directions Magothy Aquifer

NCIA and OU1, Hempstead, New York

FIGURE 2.6b

Date: 09/18/2013

File Path: G:\Projects\209070_IMC\Graphics\NonCAD\Aug2013rpt\GW_Flow_Elev_Contours_A.ai

ED_001164_00025261-00003

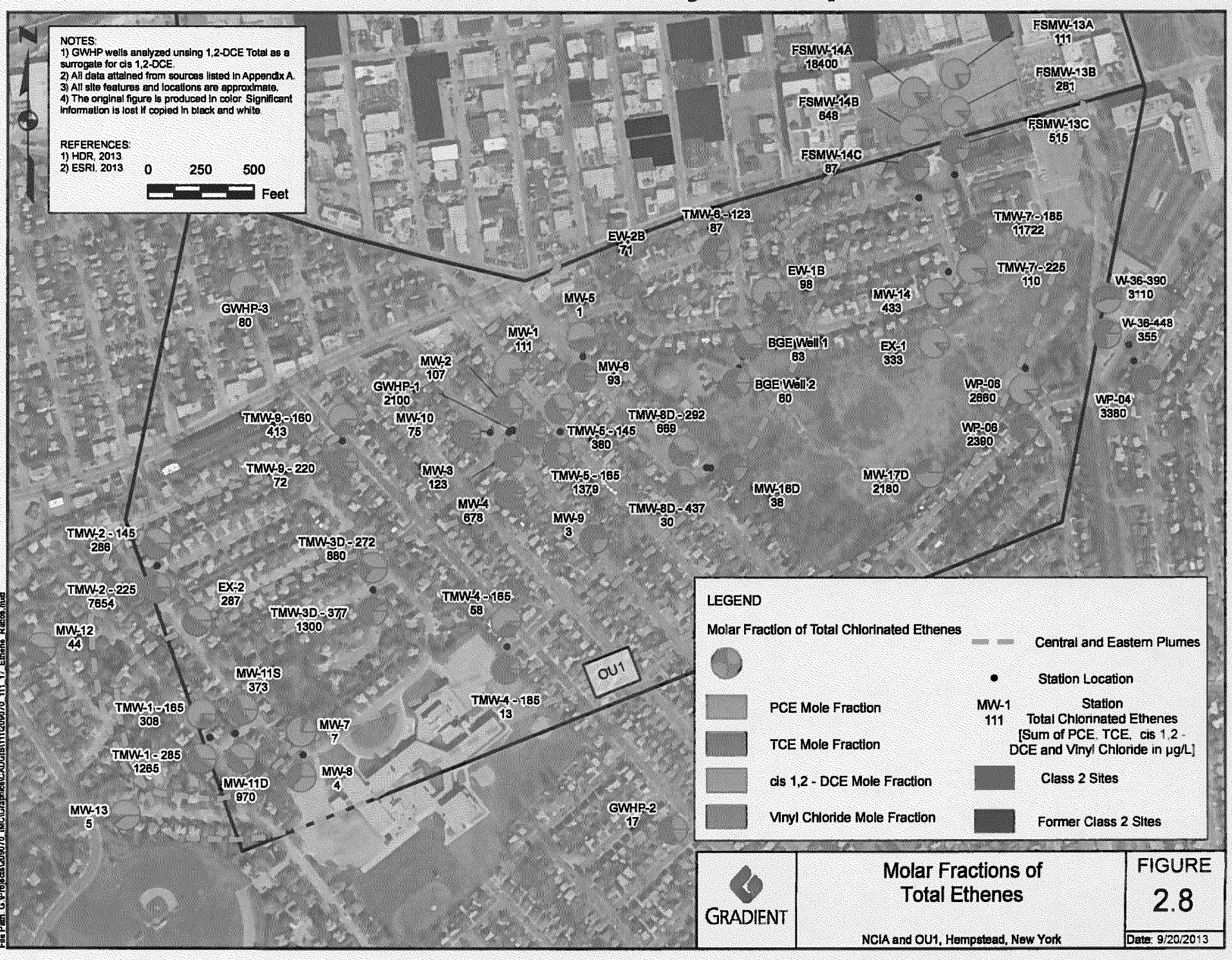
USEPA Molar Analysis Depiction

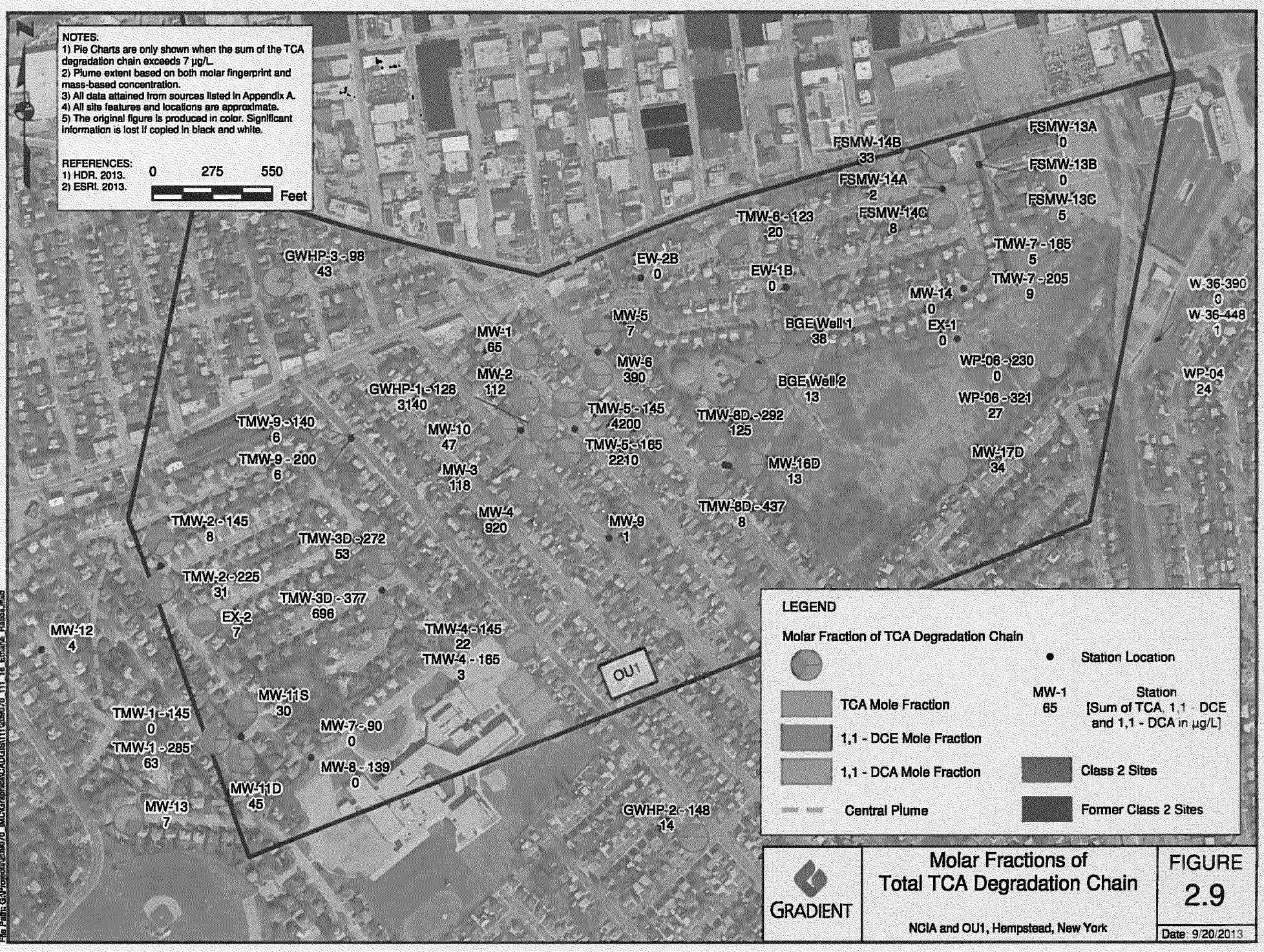
R2-0011952

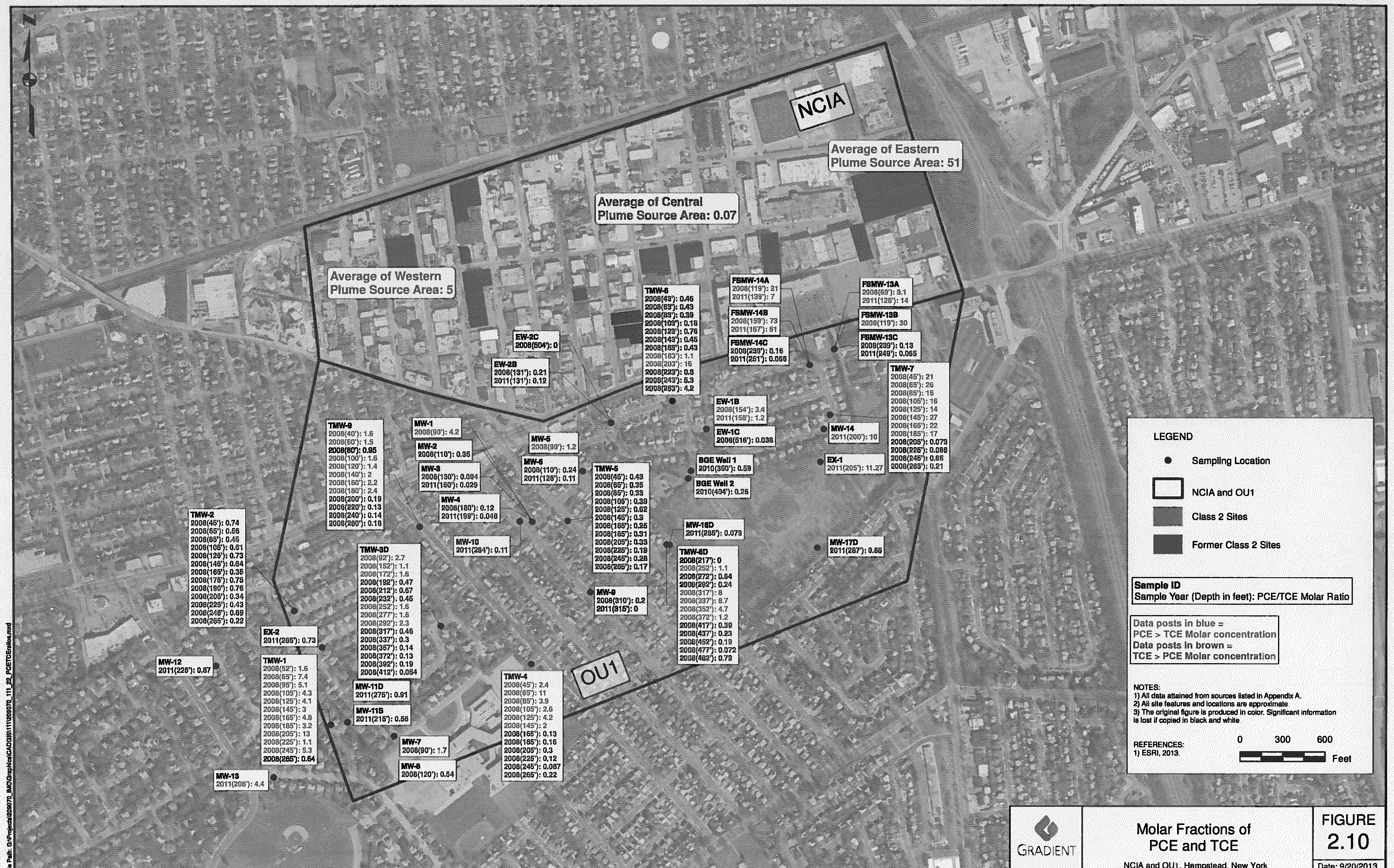
NOTES:
1) Figure obtained from Lockheed Martin Technology Services (Edison, NJ) 2013.

REFERENCE:
1) Lockheed Martin, July 2013, [213-6557]

Corrected Molar Analysis Depiction




NOTES:
1) Pie Charts are only shown when the sum of the TCA degradation chain exceeds 7 µg/L.
2) Plume extent based on both molar fingerprint and mass-based concentration.
3) All data attained from sources listed in Appendix A.
4) All site features and locations are approximate.
5) The original figure is produced in color. Significant information is lost if copied in black and white.
REFERENCES:
1) HDR, 2013.
2) ESRI, 2013.
0 275 550
Feet
FSMW-13A 0
FSMW-14B 33
FSMW-13B 0
FSMW-14A 2
FSMW-13C 5
FSMW-14C 8
TMW-6 - 123 20
TMW-7 - 165 5
GWHP-3 - 98 43
EW-2B 0
EW-1B 0
TMW-7 - 205 9
W-36-390 0
MW-14 0
W-36-448 1
MW-5 7
BGE Well 1 38
EX-1 0
MW-1 65
MW-6 390
WP-06 - 230 0
MW-2 112
BGE Well 2 13
WP-04 24
GWHP-1 - 128 3140
TMW-5 - 145 4200
WP-06 - 321 27
TMW-8D - 292 125
TMW-9 - 140 6
MW-10 47
TMW-5 - 165 2210
MW-17D 34
TMW-9 - 200 6
MW-3 118
MW-16D 13
TMW-8D - 437 8
TMW-2 - 145 8
MW-4 920
MW-9 1
TMW-3D - 272 53
TMW-2 - 225 31
TMW-3D - 377 696
EX-2 7
MW-12 4
TMW-4 - 145 22
TMW-4 - 165 3
OU1
MW-11S 30
TMW-1 - 145 0
MW-7 - 90 0
TMW-1 - 285 63
MW-8 - 139 0
MW-11D 45
MW-13 7
GWHP-2 - 148 14
LEGEND
Molar Fraction of TCA Degradation Chain
TCA Mole Fraction
1,1 - DCE Mole Fraction
1,1 - DCA Mole Fraction
Central Plume
Station Location
MW-1 65
Station [Sum of TCA, 1,1 - DCE and 1,1 - DCA in µg/L]
Class 2 Sites
Former Class 2 Sites
GRADIENT
Molar Fractions of Total TCA Degradation Chain
NCIA and OU1, Hempstead, New York
FIGURE 2.9
Date: 9/20/2013
File Path: G:\Projects\029070_IMCG\graphics\CAD\GIS\111\029070_111_18_Ethane_Ratios.mxd



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GRADIENT

Modeled and Measured Extent of 1,2-Dichlorobenzene
General Instruments / Vishay Plume
NCIA and OU1, Hempstead, New York

FIGURE 2.11

Date: 9/18/2013

File Path: G:\Projects\209070_IMC\Graphics\CADGIS\111\209070_111_15_GUSWA.mxd

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