City: SYR Div/Group: SWG Created By: K. Ives Last Saved By: kives
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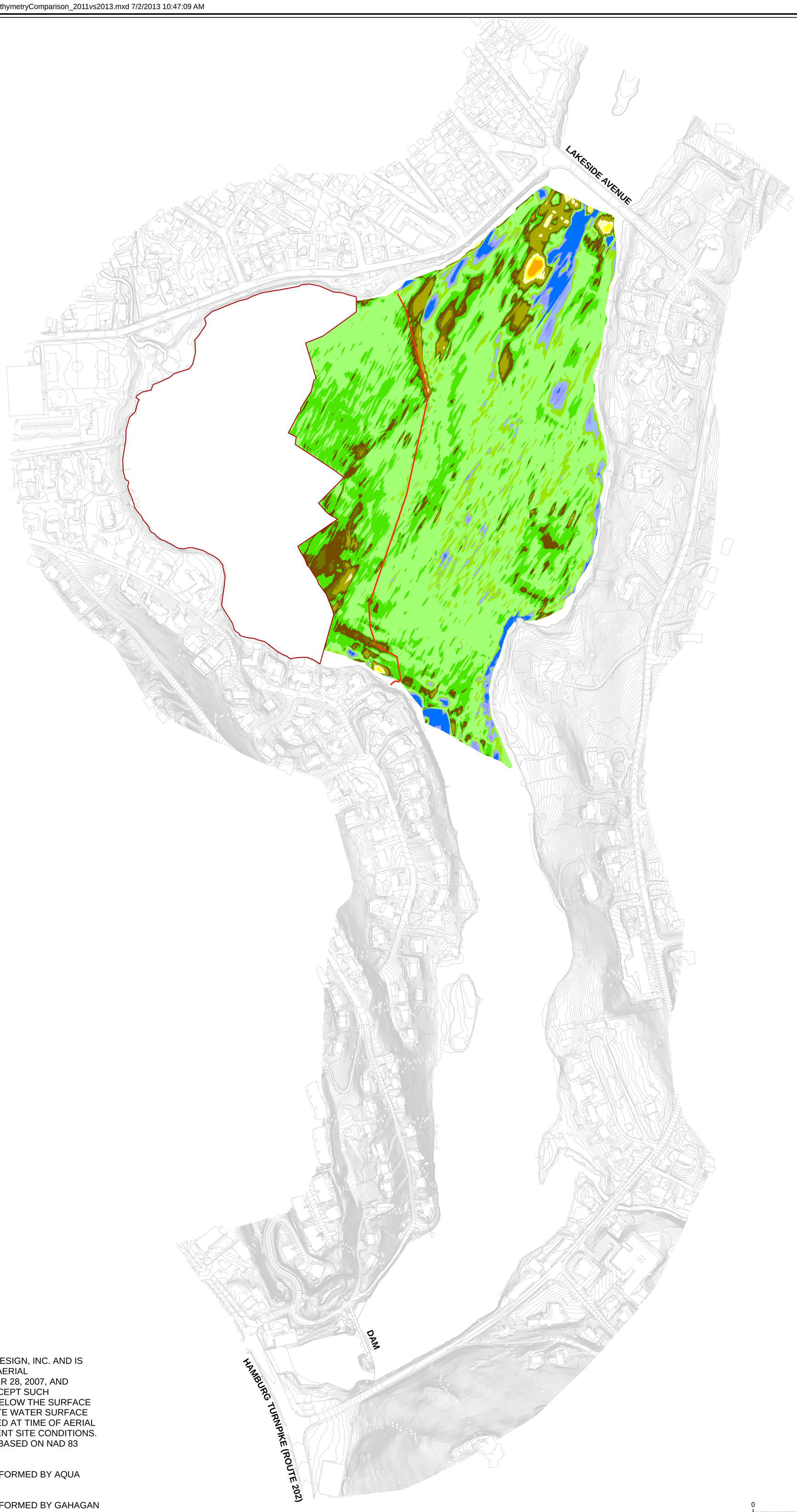

NOTES:

1. THE BASE MAP WAS PREPARED BY R.C.C DESIGN, INC. AND IS BASED UPON ACTUAL FIELD SURVEY AND AERIAL PHOTOGRAPHY PERFORMED ON DECEMBER 28, 2007, AND REPRESENTS THE CONDITIONS FOUND EXCEPT SUCH EASEMENTS OF IMPROVEMENTS, IF ANY, BELOW THE SURFACE LANDS AND NOT VISIBLE. THE APPROXIMATE WATER SURFACE ELEVATION SHOWN HEREIN WAS MEASURED AT TIME OF AERIAL SURVEY, AND MAY VARY BASED ON CURRENT SITE CONDITIONS. HORIZONTAL AND VERTICAL DATUMS ARE BASED ON NAD 83 AND NAVD 88, RESPECTIVELY.
2. THE 2013 BATHYMETRIC SURVEY WAS PERFORMED BY AQUA SURVEY, INC. ON MAY 13, 2013.
3. THE 2011 BATHYMETRIC SURVEY WAS PERFORMED BY GAHAGAN & BRYANT ASSOCIATES, INC. ON NOVEMBER 3, 2011.

LEGEND

2013 AND 2011 BATHYMETRY COMPARISON RESULTS (FT):

APPARENT EROSION
- > -5.94 AND ≤ -4
- > -4 AND ≤ -3
- > -3 AND ≤ -2
- > -2 AND ≤ -1
- > -1 AND ≤ -0.75
- > -0.75 AND ≤ -0.5

CHANGE WITHIN THE ACCURACY OF SURVEY
- > -0.5 AND ≤ -0.25
- > -0.25 AND ≤ 0.25
- > 0.25 AND ≤ 0.5

APPARENT DEPOSITION
- > 0.5 AND ≤ 0.75
- > 0.75 AND ≤ 1
- > 1 AND ≤ 7.5

- 2011 CMI WP REMOVAL AREA LIMIT
- APPROXIMATE DECEMBER 2012 PERMIT MODIFICATION RAO LINE

DUPONT POMPTON LAKES WORKS
POMPTON LAKES, NEW JERSEY

BATHYMETRY COMPARISON RESULTS: 2011 AND 2013

ARCADIS

FIGURE
3-5

City: SYR Div/Group: SWG Created By: K.Ives Last Saved By: kives
DuPont
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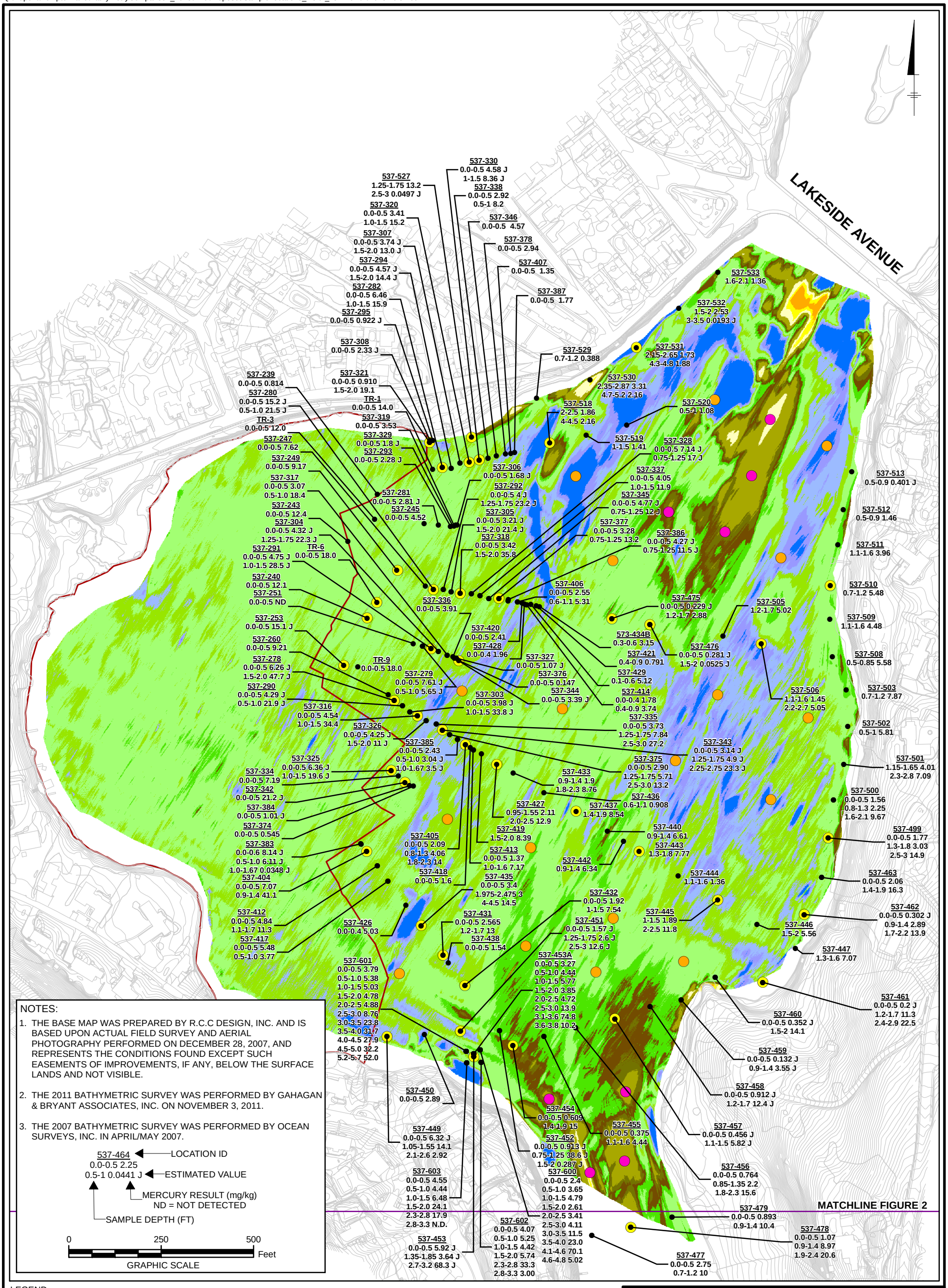

LEGEND

- 2003-2007 OR 2010 AREA A/B SAMPLE LOCATION

PROPOSED SAMPLE LOCATIONS

- DATA ADEQUACY - AREAS WITH DECREASED SURFACE SEDIMENT ELEVATION
- DATA ADEQUACY - AREAS WITH SIMILAR TO/INCREASED SURFACE SEDIMENT ELEVATION
- DATA ADEQUACY - SUPPLEMENTAL
- HISTORICAL VALIDATION

2007 AND 2011 BATHYMETRY COMPARISON RESULTS (FT):

APPARENT EROSION

- > -6.14 AND ≤ -4
- > -4 AND ≤ -3
- > -3 AND ≤ -2
- > -2 AND ≤ -1
- > -1 AND ≤ -0.75
- > -0.75 AND ≤ -0.5

CHANGE WITHIN THE ACCURACY OF SURVEY

- > -0.5 AND ≤ -0.25
- > -0.25 AND ≤ 0.25
- > 0.25 AND ≤ 0.5

APPARENT DEPOSITION

- > 0.5 AND ≤ 0.75
- > 0.75 AND ≤ 1
- > 1 AND ≤ 6
- 2011 CMI WP REMOVAL AREA LIMIT

DUPONT POMPTON LAKES WORKS
POMPTON LAKES, NEW JERSEY

POMPTON LAKE AND RAMAPO RIVER PROPOSED SAMPLING LOCATIONS

ARCADIS

FIGURE
3-6

City: SYR Div/Group: SWG Created By: K. Ives Last Saved By: kives
DuPont
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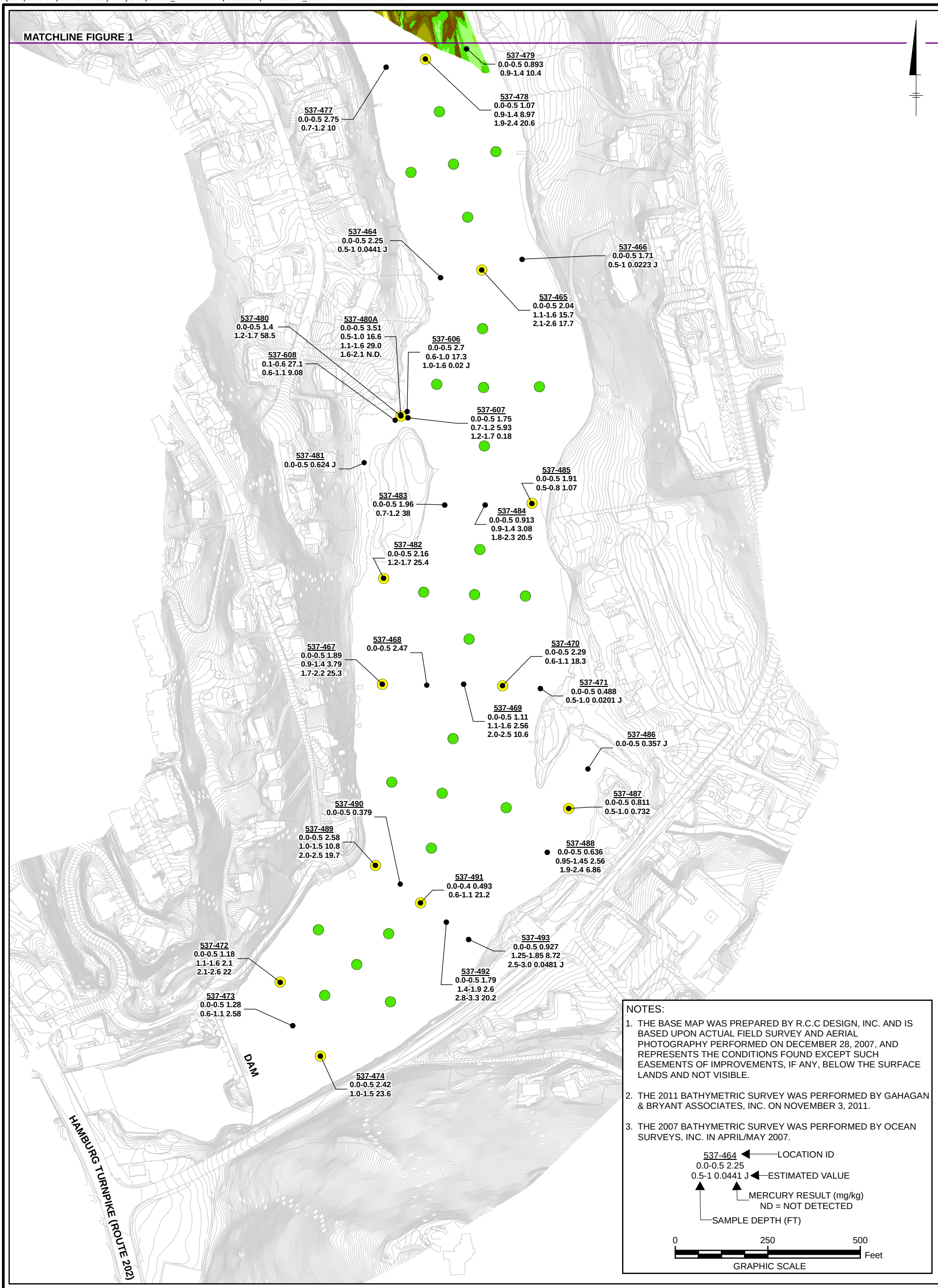

NOTES:

1. THE BASE MAP WAS PREPARED BY R.C.C DESIGN, INC. AND IS BASED UPON ACTUAL FIELD SURVEY AND AERIAL PHOTOGRAPHY PERFORMED ON DECEMBER 28, 2007, AND REPRESENTS THE CONDITIONS FOUND EXCEPT SUCH EASEMENTS OF IMPROVEMENTS, IF ANY, BELOW THE SURFACE LANDS AND NOT VISIBLE.
2. THE 2011 BATHYMETRIC SURVEY WAS PERFORMED BY GAHAGAN & BRYANT ASSOCIATES, INC. ON NOVEMBER 3, 2011.
3. THE 2007 BATHYMETRIC SURVEY WAS PERFORMED BY OCEAN SURVEYS, INC. IN APRIL/MAY 2007.

537-464 ← LOCATION ID
0.0-0.5 2.25
0.5-1 0.0441 J ← ESTIMATED VALUE
MERCURY RESULT (mg/kg)
ND = NOT DETECTED
SAMPLE DEPTH (FT)

0 250 500 Feet
GRAPHIC SCALE

LEGEND

- 2003-2007 OR 2010 AREA A/B SAMPLE LOCATION

PROPOSED SAMPLE LOCATIONS

- DATA ADEQUACY
- DATA ADEQUACY - SUPPLEMENTAL
- HISTORICAL VALIDATION

2007 AND 2011 BATHYMETRY COMPARISON RESULTS (FT):

APPARENT EROSION

- > -6.14 AND ≤ -4
- > -4 AND ≤ -3
- > -3 AND ≤ -2
- > -2 AND ≤ -1
- > -1 AND ≤ -0.75
- > -0.75 AND ≤ -0.5

CHANGE WITHIN THE ACCURACY OF SURVEY

- > -0.5 AND ≤ -0.25
- > -0.25 AND ≤ 0.25
- > 0.25 AND ≤ 0.5

APPARENT DEPOSITION

- > 0.5 AND ≤ 0.75
- > 0.75 AND ≤ 1
- > 1 AND ≤ 6

DUPONT POMPTON LAKES WORKS
POMPTON LAKES, NEW JERSEY

LOWER RAMAPO RIVER PROPOSED SAMPLING LOCATIONS

ARCADIS

FIGURE
3-7