



**NOTE:**

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 SIDE SCAN SONAR SURVEY EVENT, INCLUDING COLLECTION OF GRAB SAMPLES, WAS PERFORMED BY AQUA SURVEY, INC. ON MAY 14-15, 2013.

**LEGEND**

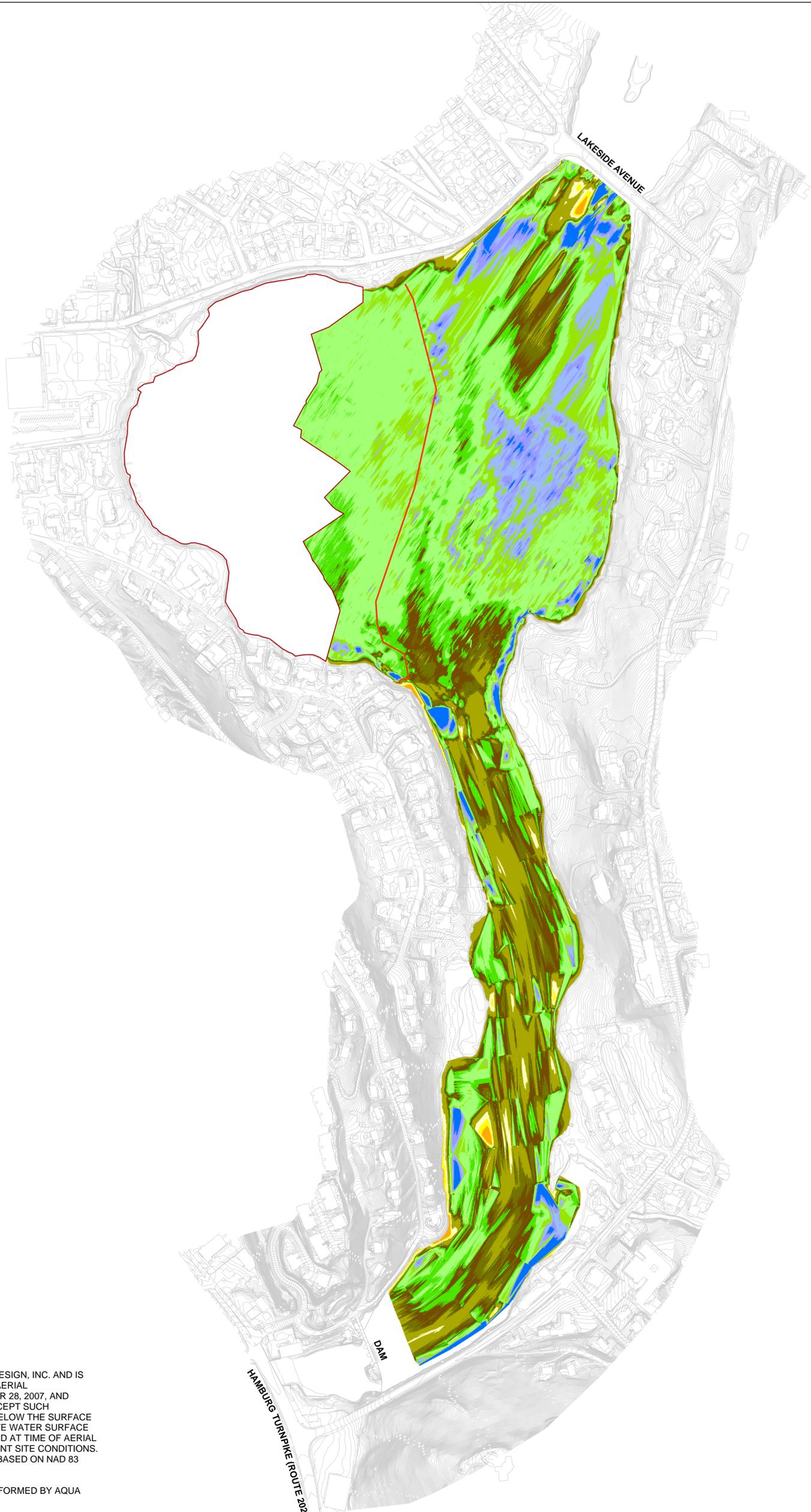
- ▲ GRAB SAMPLE LOCATION
- DECEMBER 2012 PERMIT MODIFICATION RAO LINE
- ▭ 2011 CMI WP REMOVAL AREA LIMIT
- SEDIMENT CLASSIFICATION
- ▨ GRAVEL/SAND
- ▨ SAND
- ▨ SILT
- ▨ VEGETATION

DUPONT POMPTON LAKES WORKS  
 POMPTON LAKES, NEW JERSEY

**2013 SIDE SCAN SONAR,  
 SEDIMENT CLASSIFICATIONS  
 AND GRAB SAMPLE LOCATIONS**



FIGURE  
**3-3**



- 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 2007 BATHYMETRIC SURVEY WAS PERFORMED BY OCEAN SURVEYS, INC. IN APRIL/MAY 2007.

LEGEND		2013 AND 2007 BATHYMETRY COMPARISON RESULTS (FT):	
APPARENT EROSION		CHANGE WITHIN THE ACCURACY OF SURVEY	
	> -8.18 AND ≤ -4		> -0.5 AND ≤ -0.25
	> -4 AND ≤ -3		> -0.25 AND ≤ 0.25
	> -3 AND ≤ -2		> 0.25 AND ≤ 0.5
	> -2 AND ≤ -1	APPARENT DEPOSITION	
	> -1 AND ≤ -0.75		> 0.5 AND ≤ 0.75
	> -0.75 AND ≤ -0.5		> 0.75 AND ≤ 1
			> 1 AND ≤ 6.5
	2011 CMI WP REMOVAL AREA LIMIT		APPROXIMATE DECEMBER 2012 PERMIT MODIFICATION RAO LINE

DUPONT POMPTON LAKES WORKS  
 POMPTON LAKES, NEW JERSEY

**BATHYMETRY COMPARISON RESULTS:  
 2007 AND 2013**

**ARCADIS**

FIGURE  
**3-4**