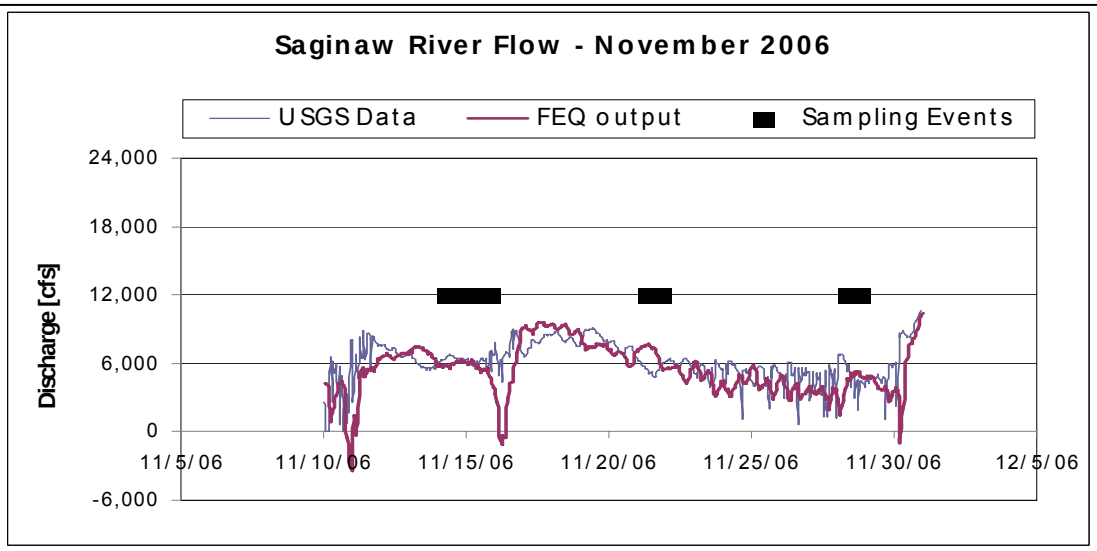
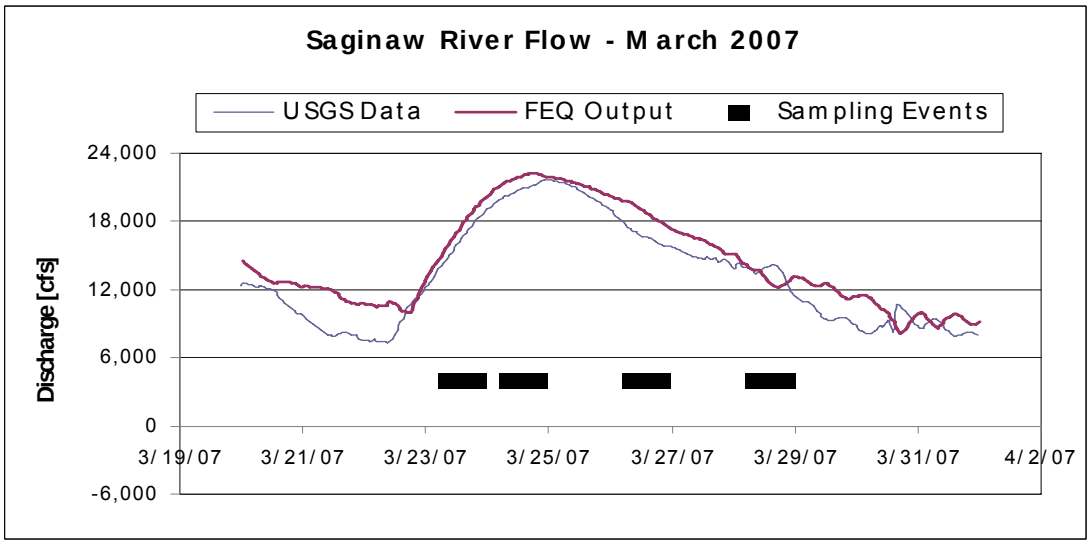
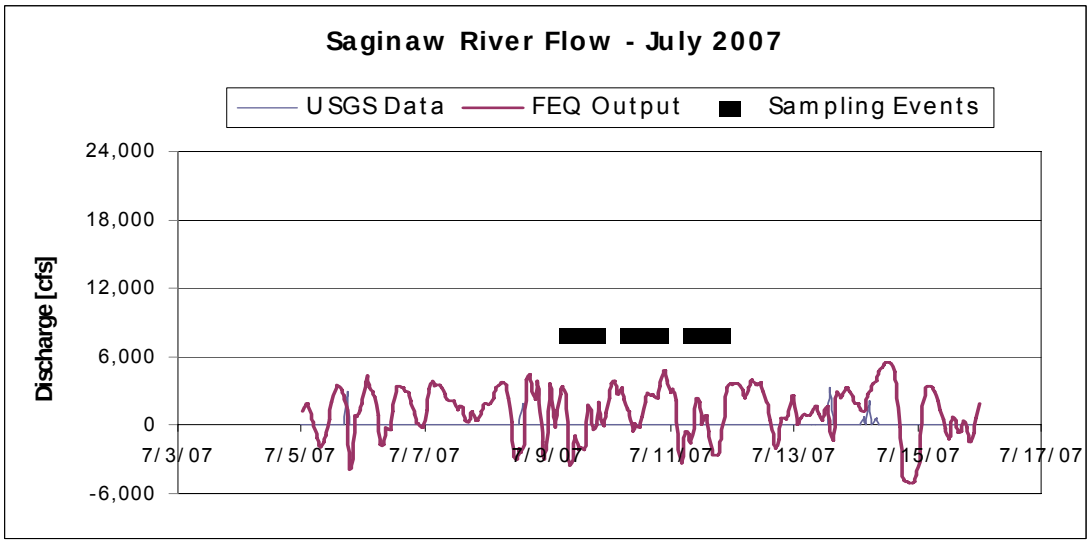






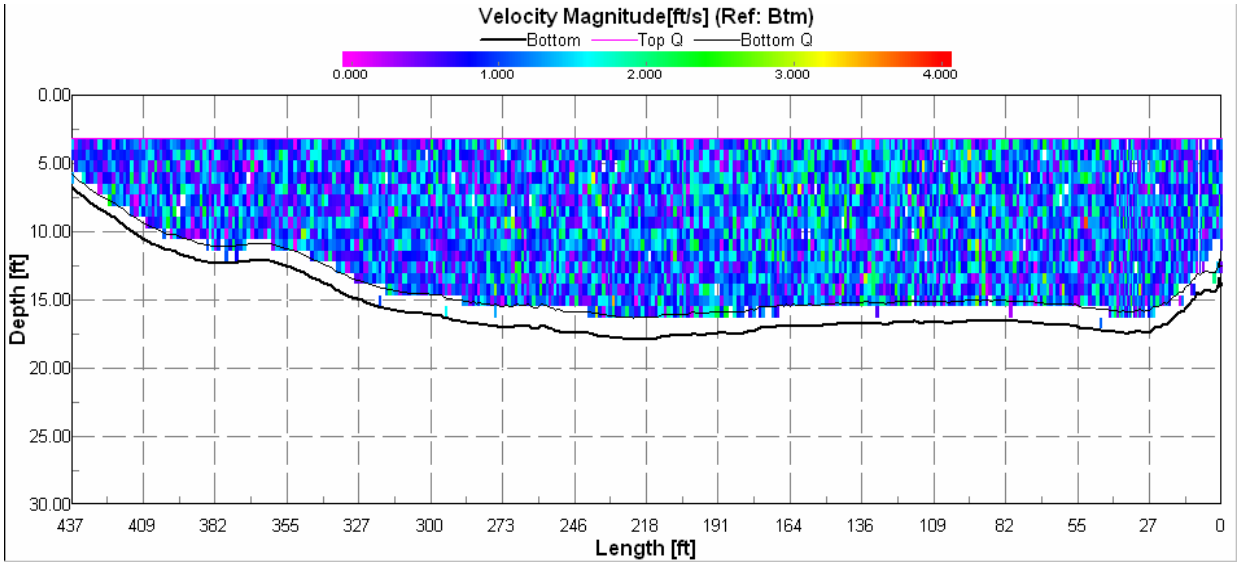
ENVIRON

LimnoTech
Water | Environment | Scientists | Engineers

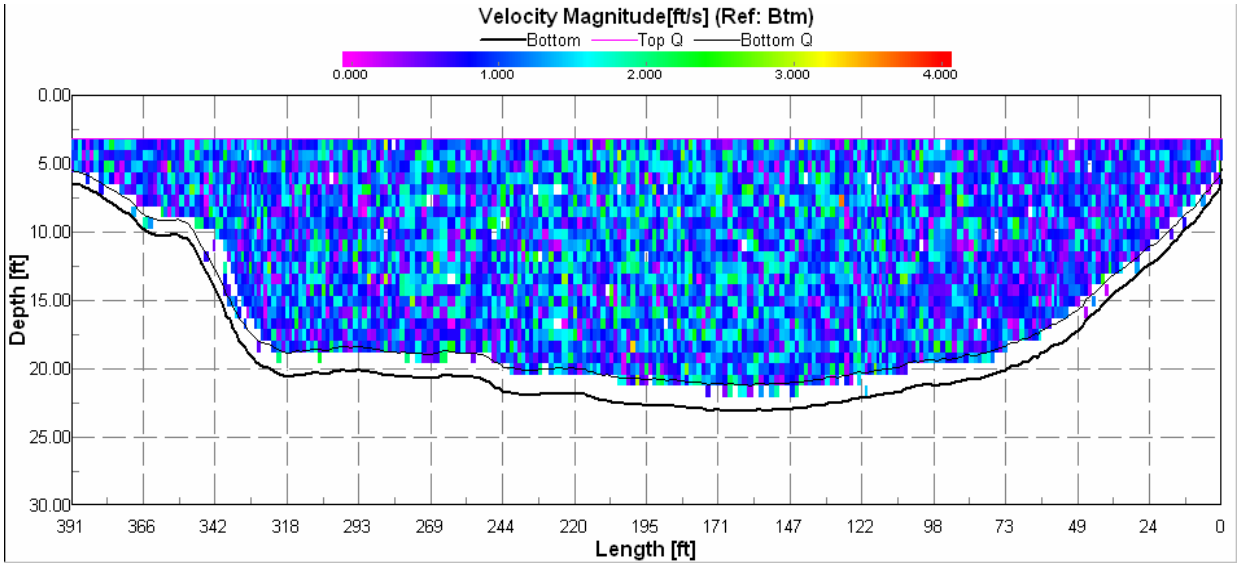
Discharge of the Saginaw River Measured at the Rust Avenue USGS River Gaging Station

Figure 4-11

Upstream Profile (11/28/06 13:40-2, L/DMG=437/416 ft, Q=4,830 cfs)



Downstream Profile (11/28/06 15:25-2, L/DMG=391/377 ft, Q=4,696 cfs)



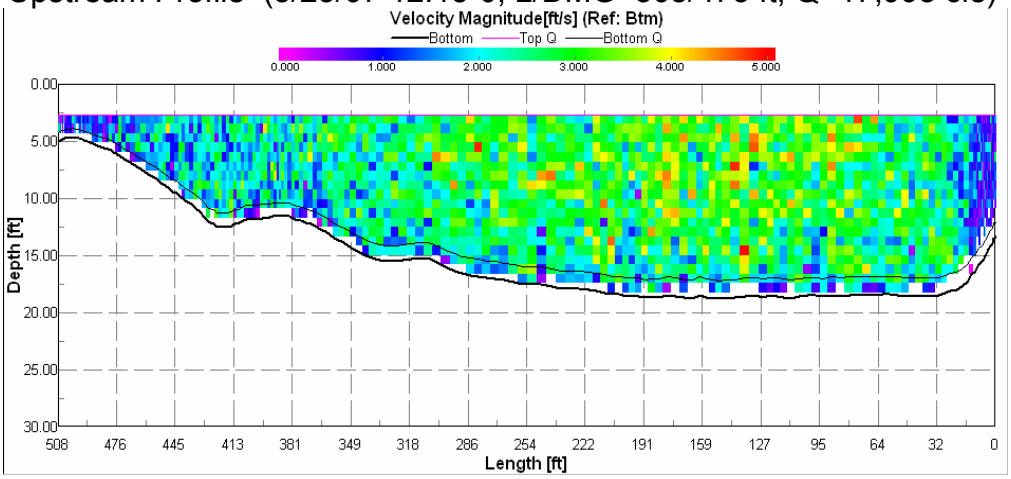
ENVIRON

LimnoTech

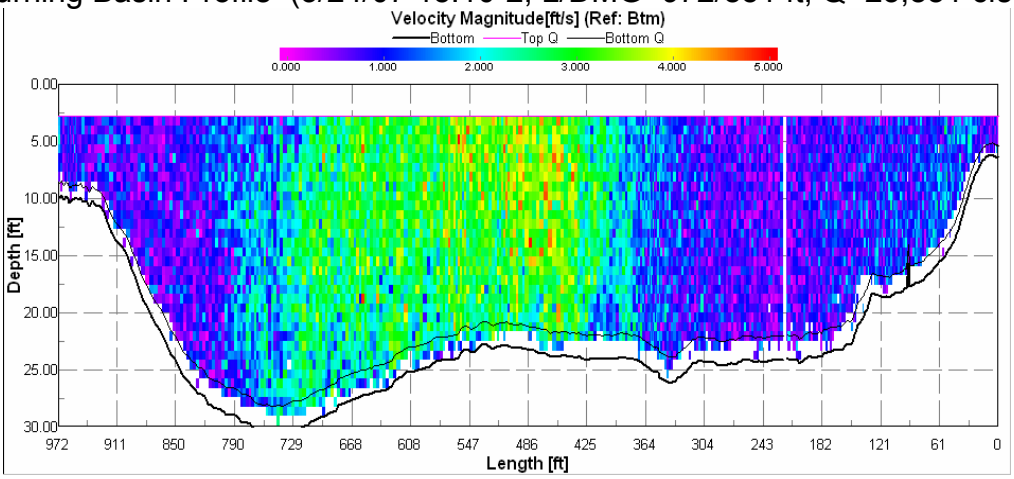
ADCP Profiles, November 2006

Figure 4-12a

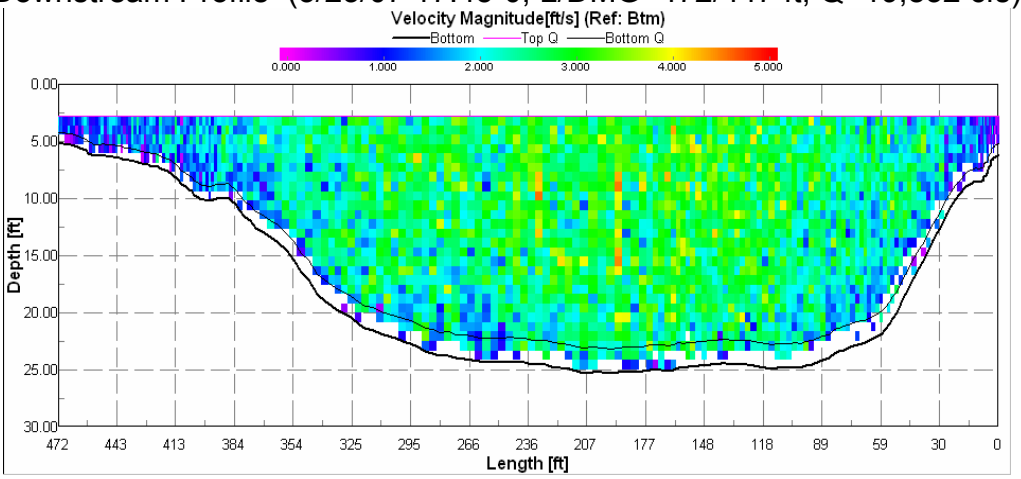
Upstream Profile (3/23/07 12:15-0, L/DMG=508/473 ft, Q=17,998 cfs)



Turning Basin Profile (3/24/07 15:10-2, L/DMG=972/851 ft, Q=23,881 cfs)



Downstream Profile (3/23/07 17:45-0, L/DMG=472/447 ft, Q=19,832 cfs)



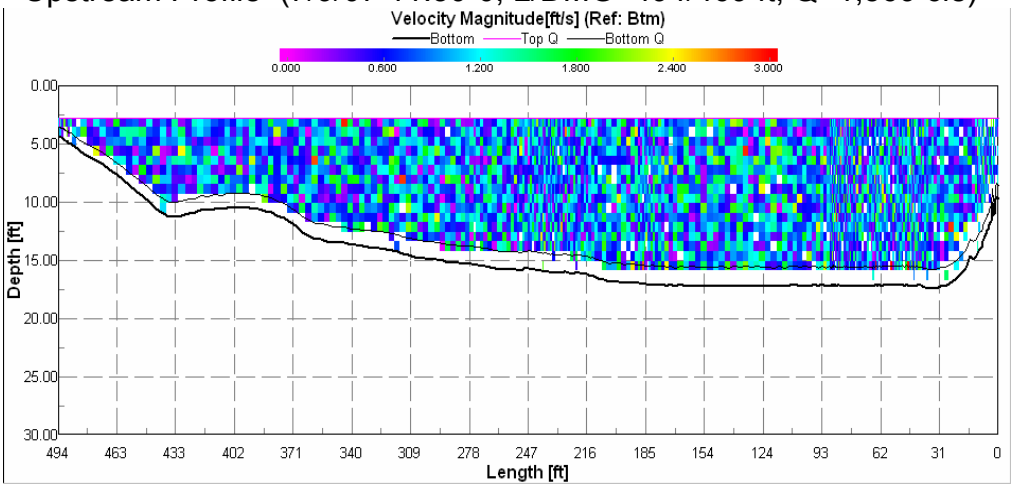
ENVIRON

LimnoTech

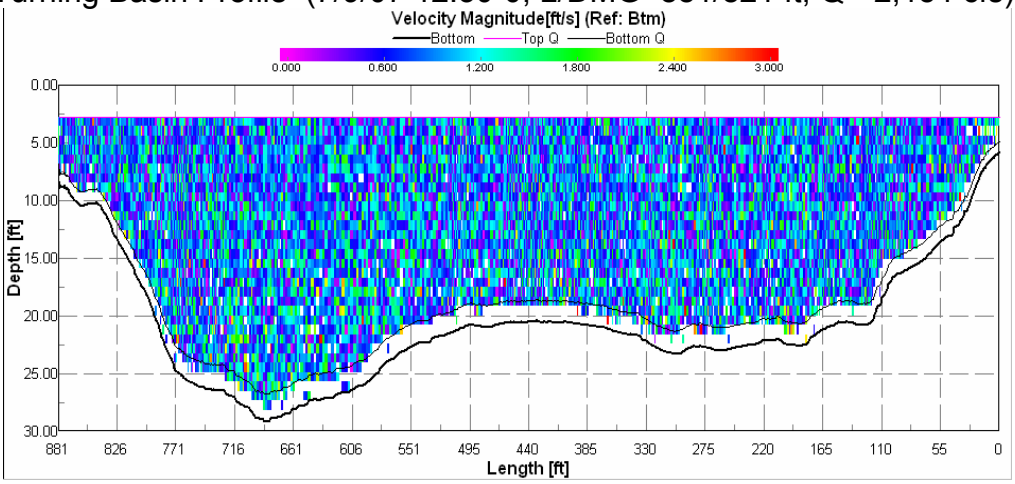
ADCP Profiles, March 2007

Figure 4-12b

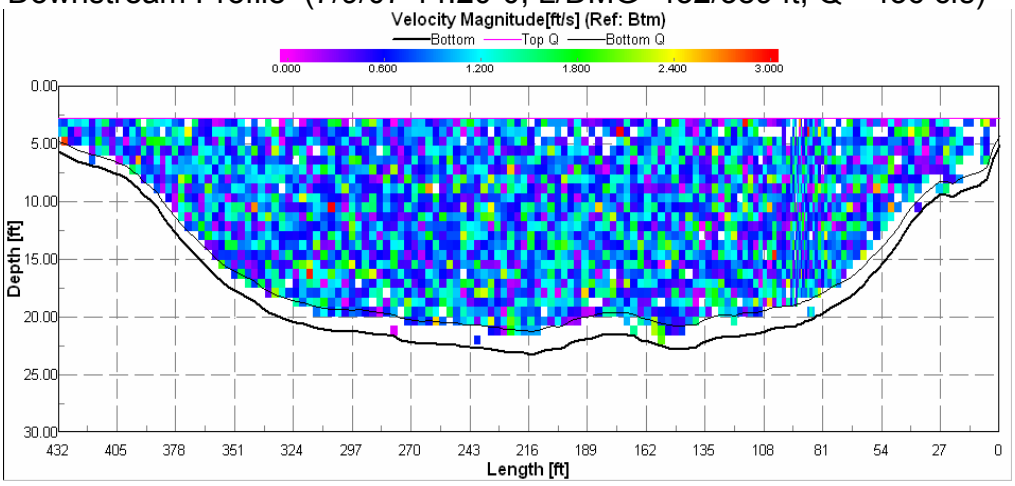
Upstream Profile (7/9/07 11:30-0, L/DMG=494/469 ft, Q=1,569 cfs)



Turning Basin Profile (7/9/07 12:30-0, L/DMG=881/821 ft, Q=-2,154 cfs)



Downstream Profile (7/9/07 14:20-0, L/DMG=432/389 ft, Q=-436 cfs)

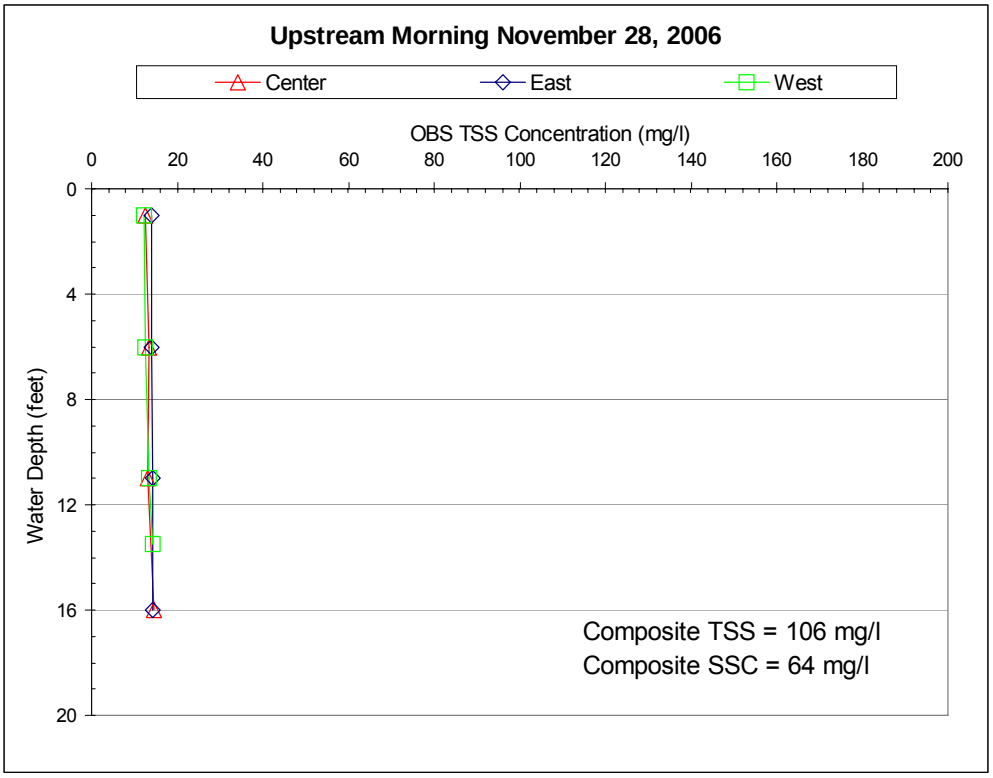


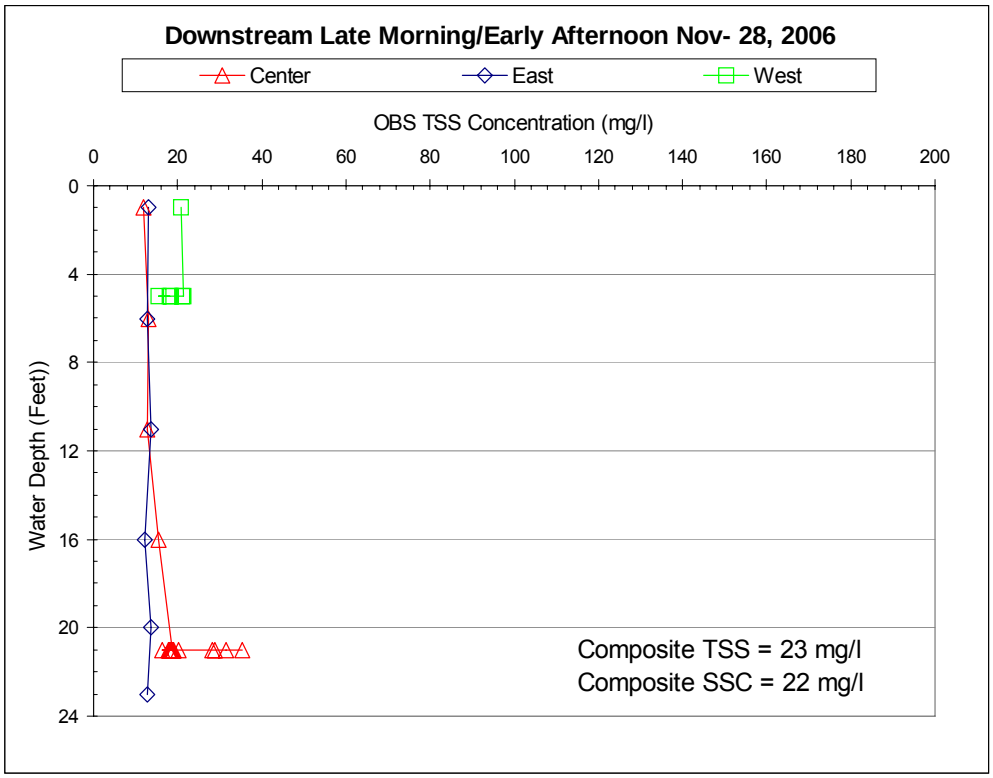
ENVIRON

LimnoTech

ADCP Profile, July 2007

Figure 4-12c



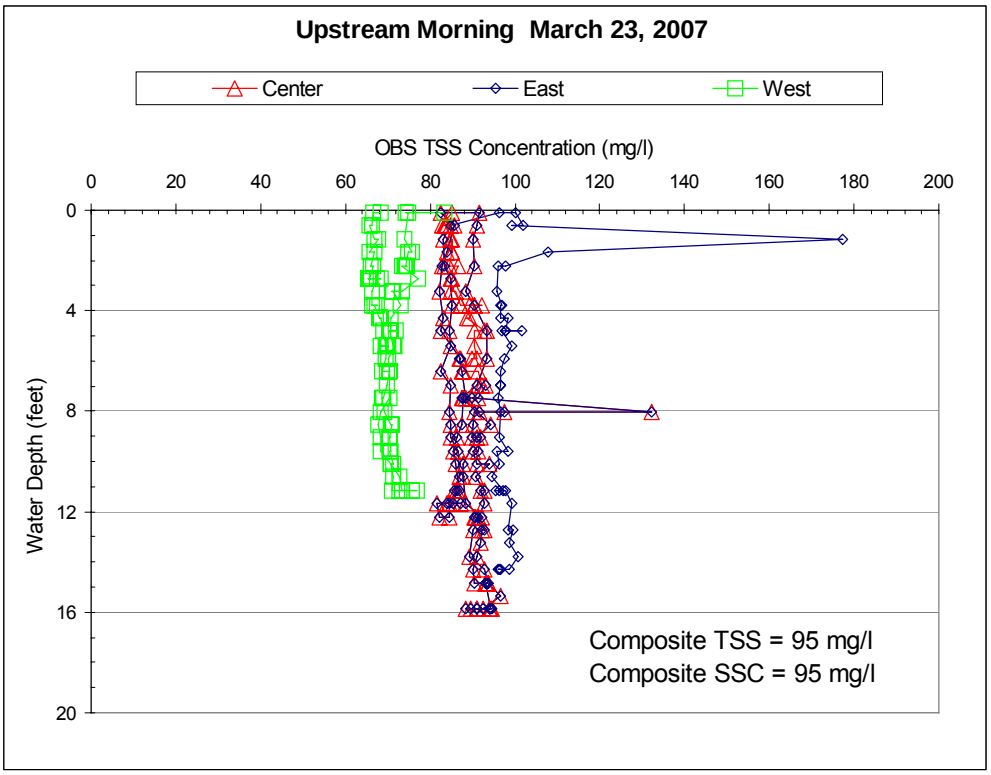


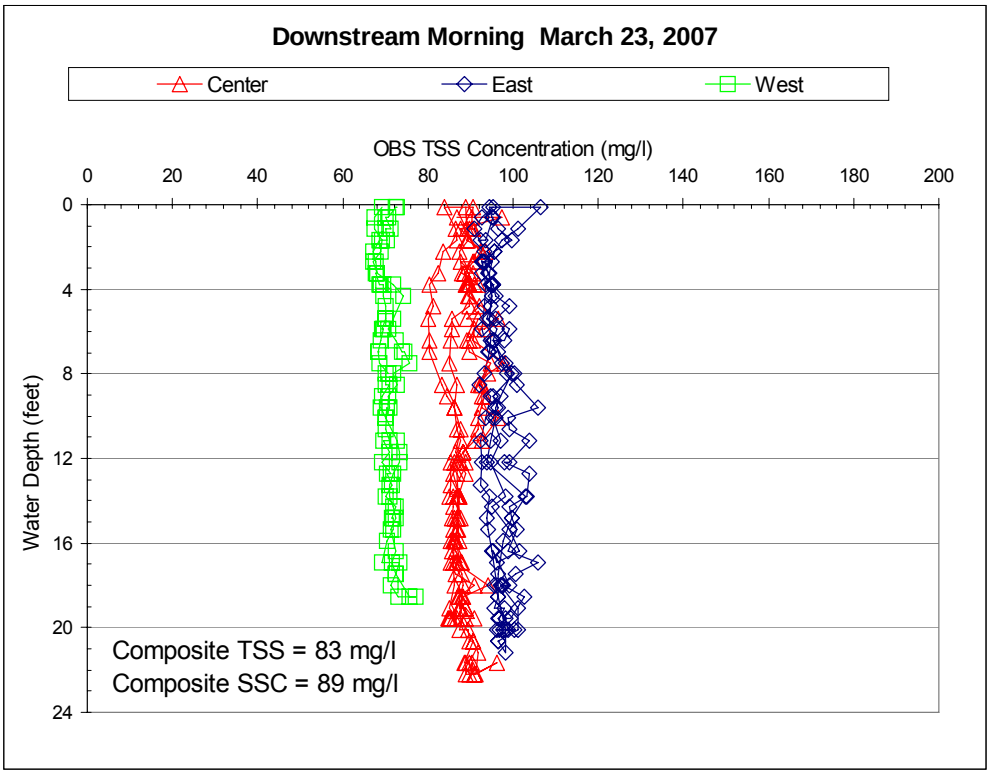
ENVIRON

LimnoTech

Saginaw River November 2006: OBS Total Suspended Solids Results
Sixth Street Turing Basin

Figure 4-13a



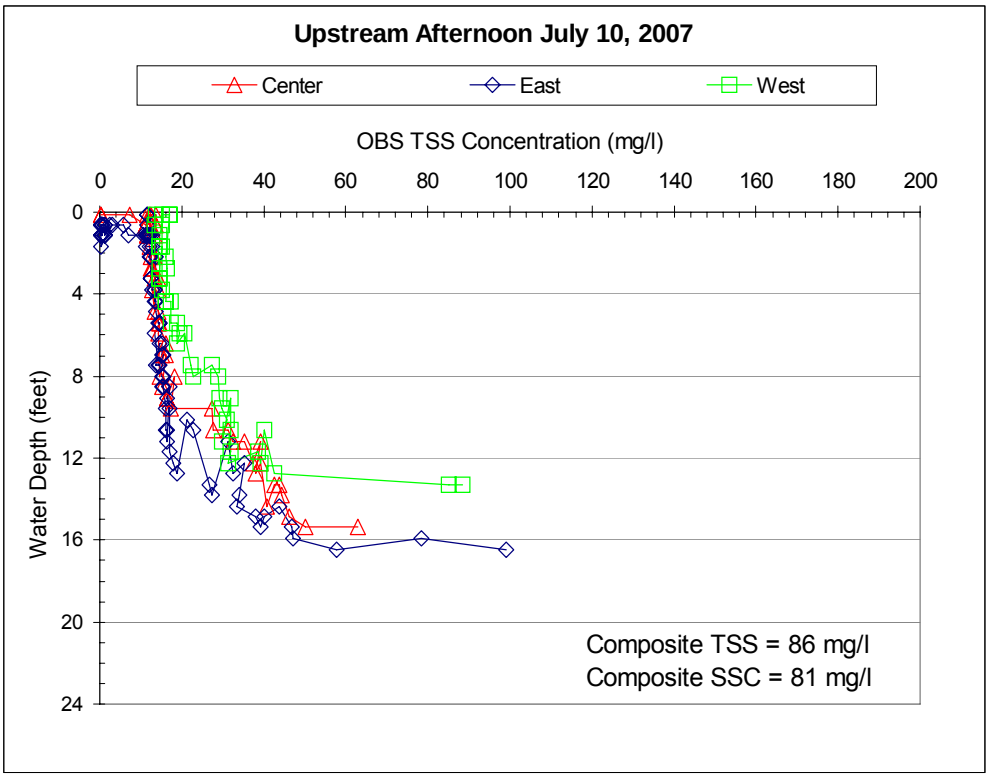


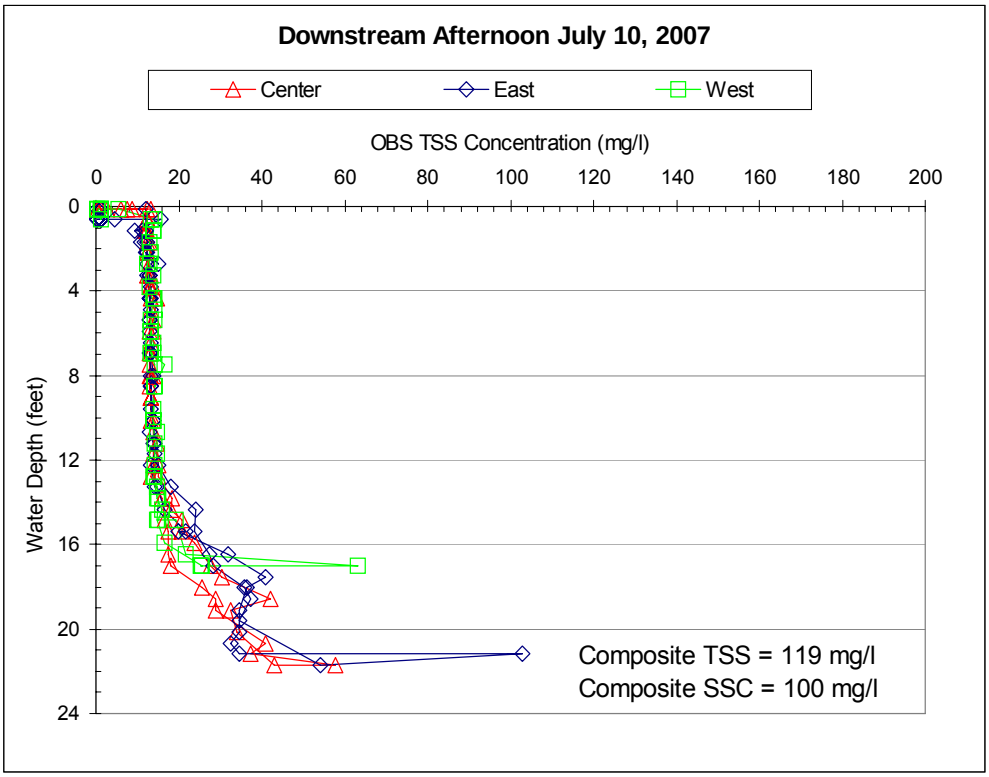
ENVIRON

LimnoTech

Saginaw River March 2007: OBS Total Suspended Solids Results
Sixth Street Turing Basin

Figure 4-13b



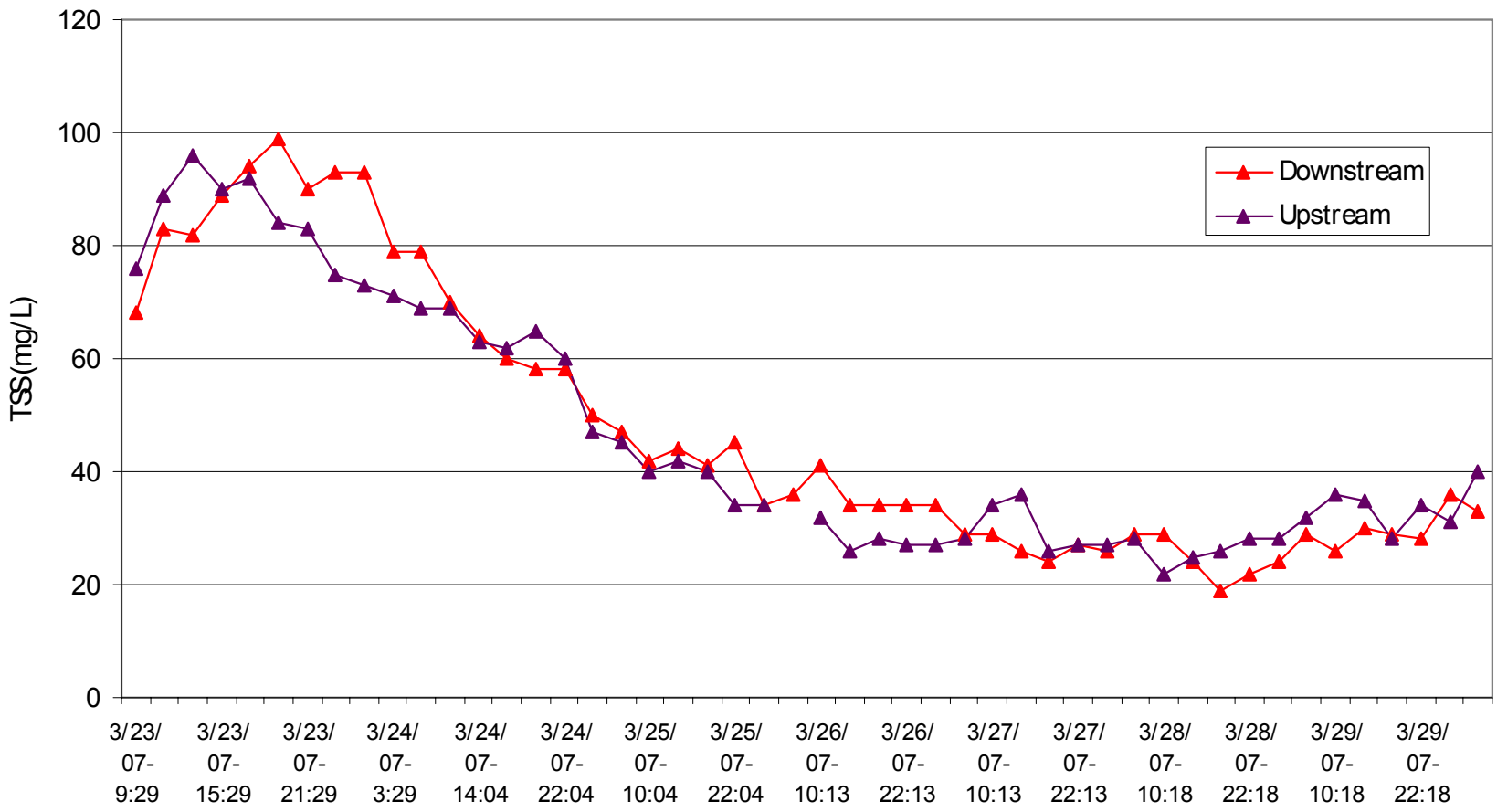


ENVIRON

LimnoTech

Saginaw River July 2007: OBS Total Suspended Solids Results
Sixth Street Turing Basin

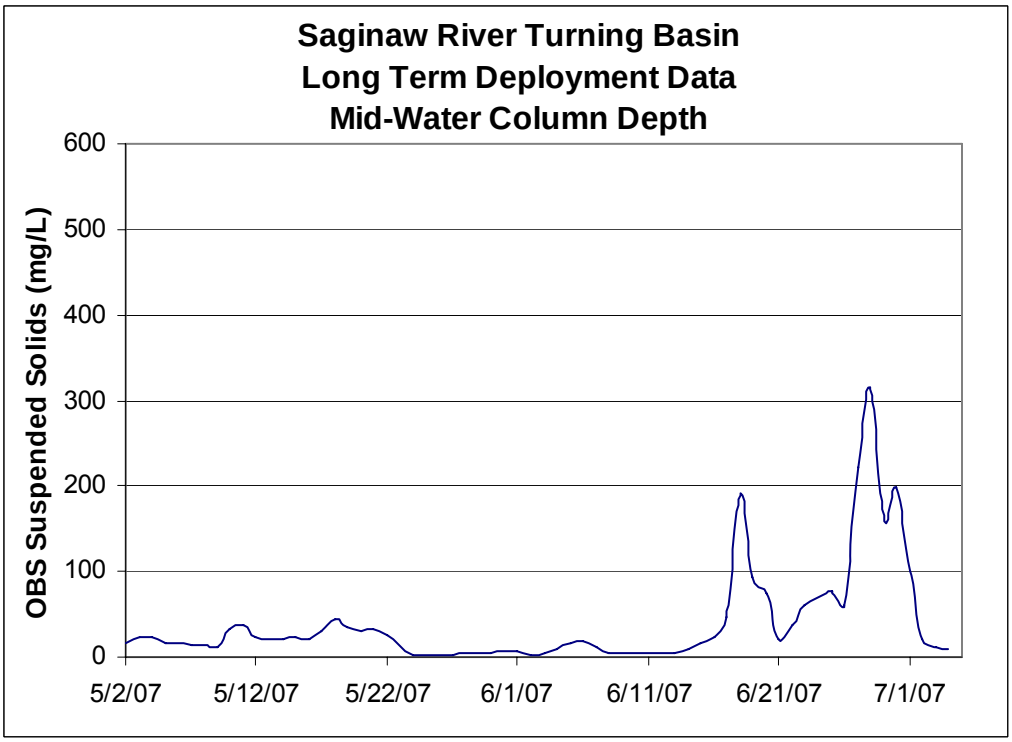
Figure 4-13c

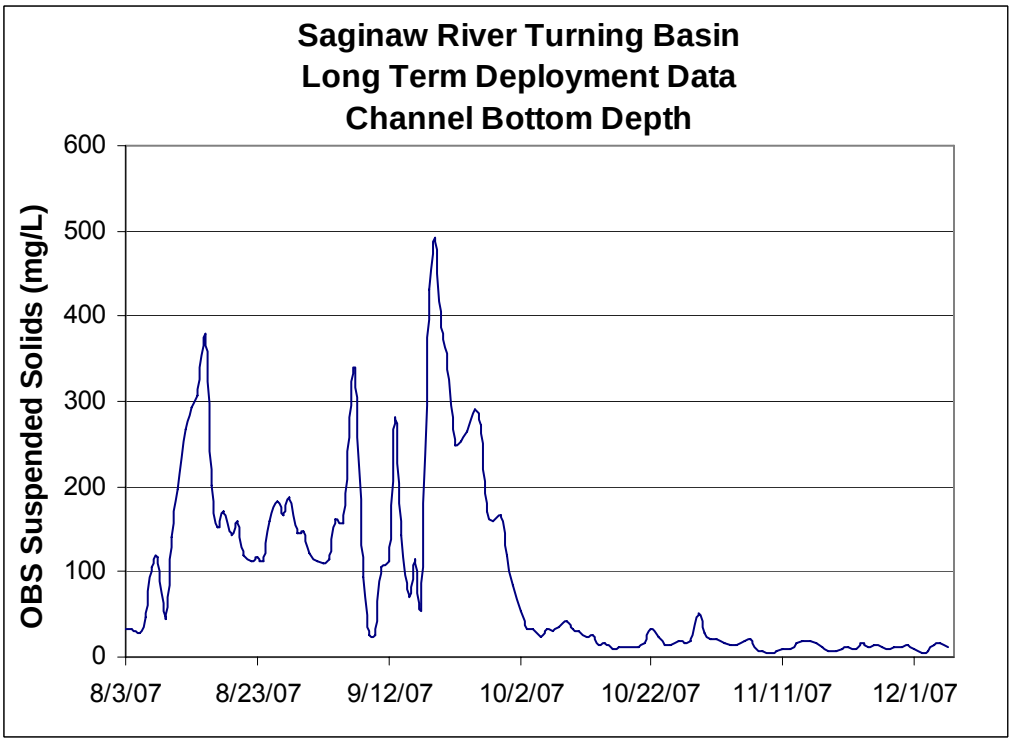


ENVIRON
LimnoTech

Total Suspended Solids Sampling Results: March 2007
Sixth Street Turning Basin

Figure 4-14

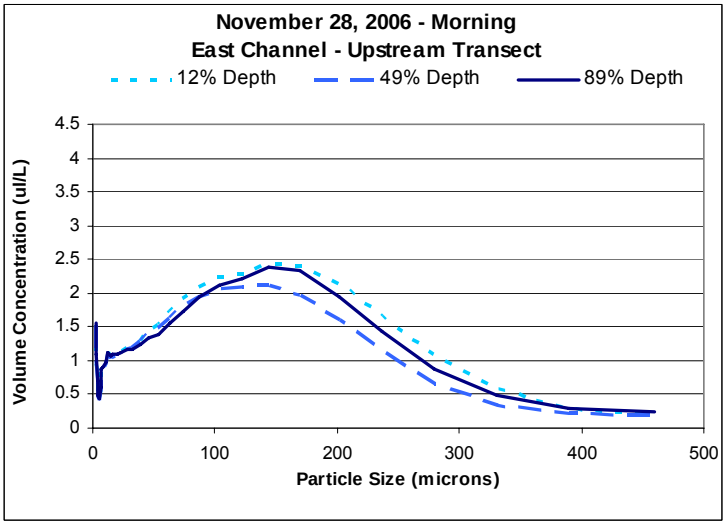


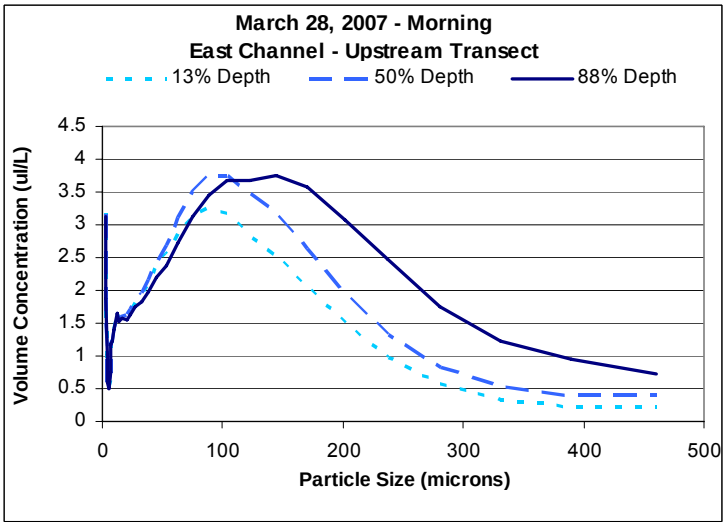


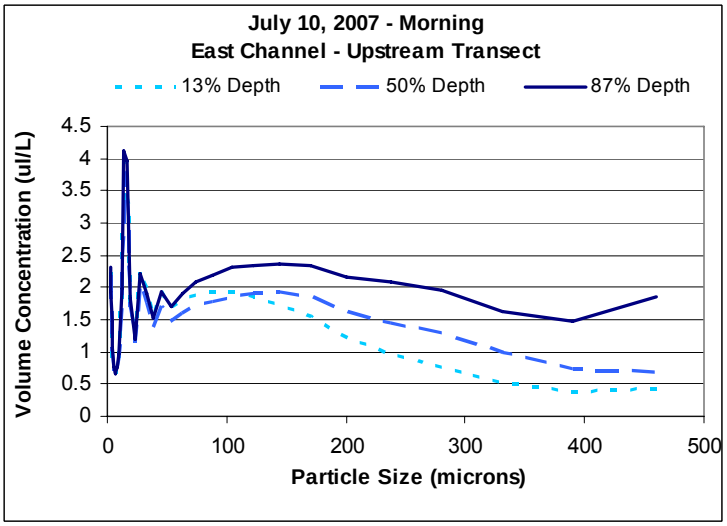
ENVIRON
LimnoTech

Long-Term Hydrodynamic Monitoring Study Total Suspended Solids Results

Figure 4-15







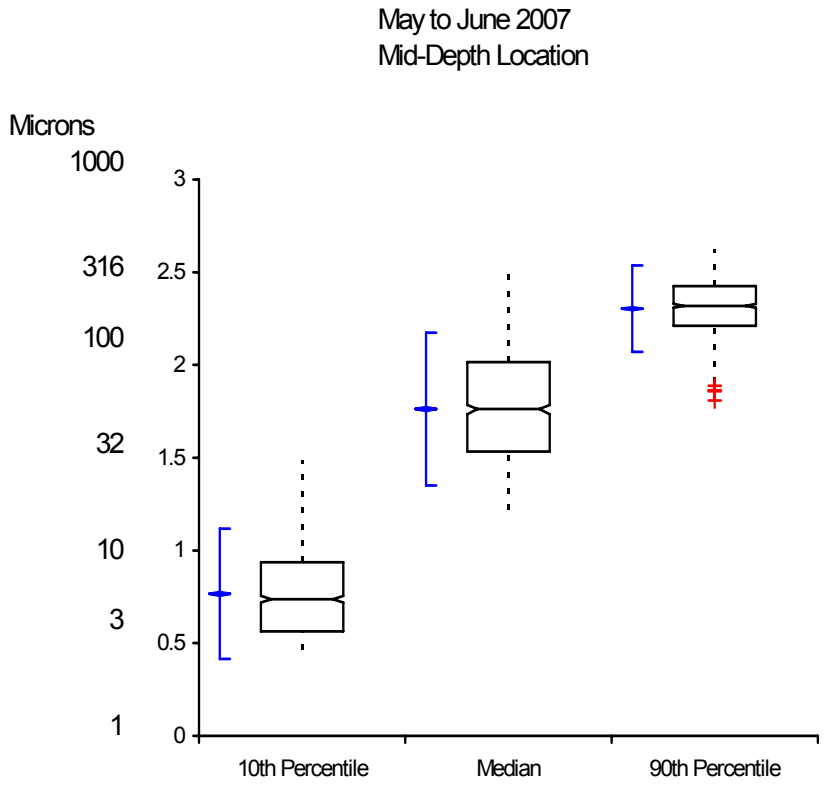
ENVIRON

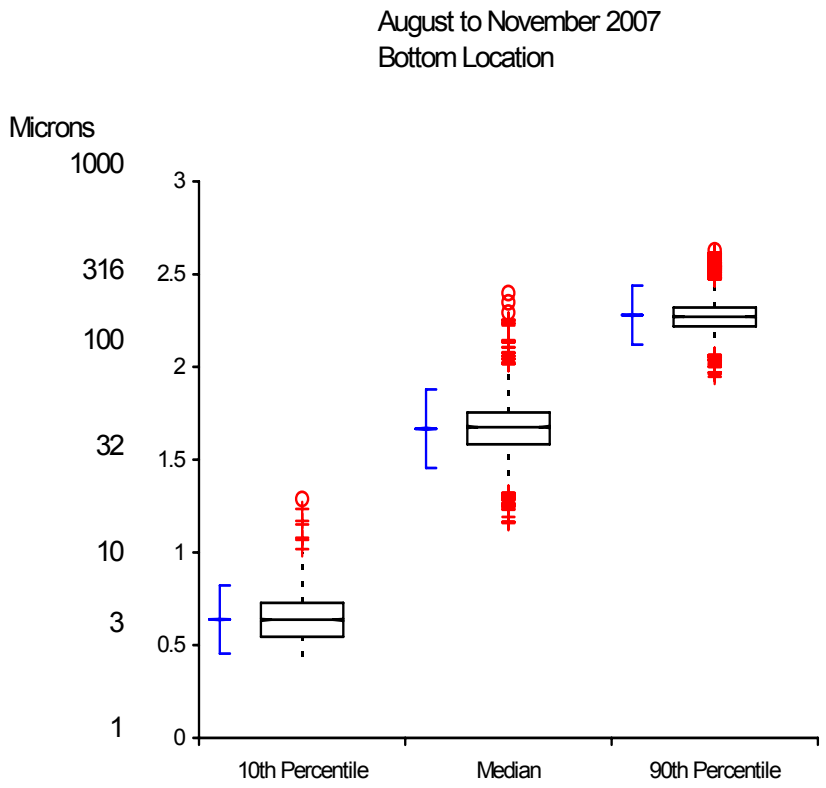
LimnoTech
Water | Environment | Scientists | Engineers

Particle Size Distribution Summary

Sixth Street Turning Basin

Figure 4-16



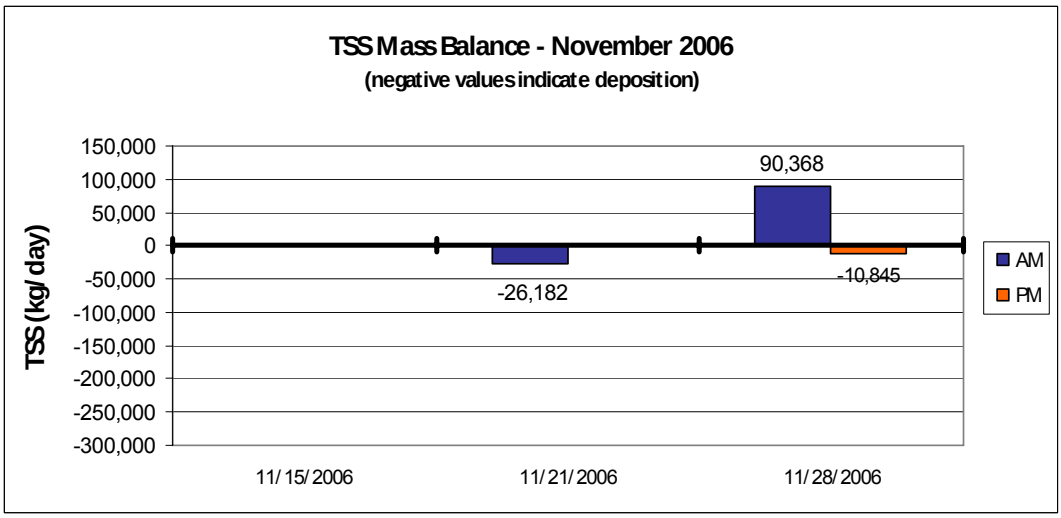


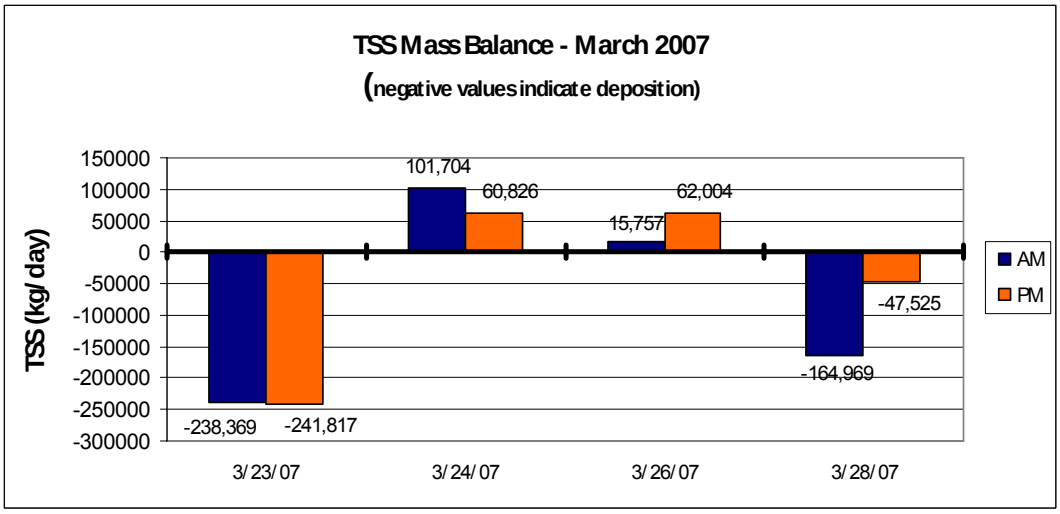
ENVIRON

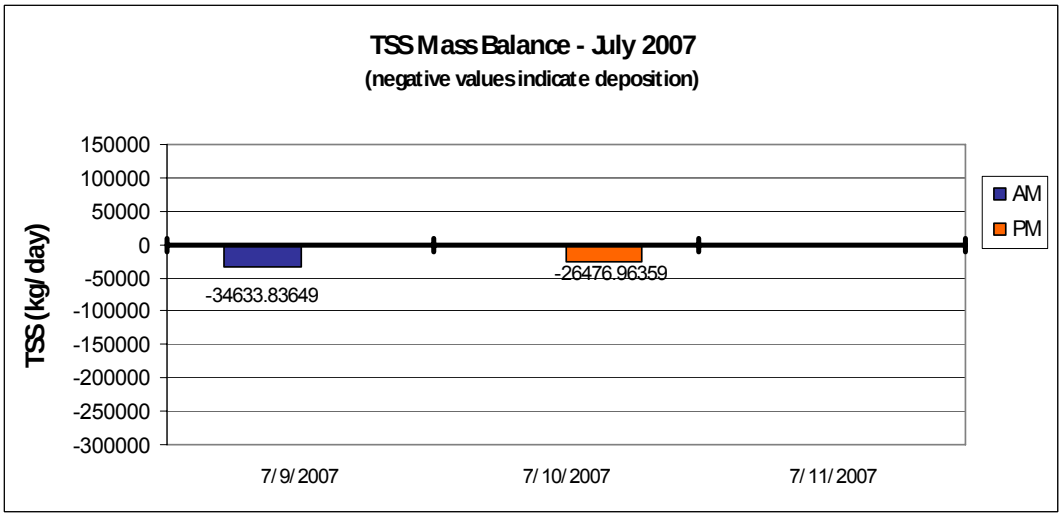
LimnoTech

Long Term Particle Size Distribution Comparison

Figure 4-17







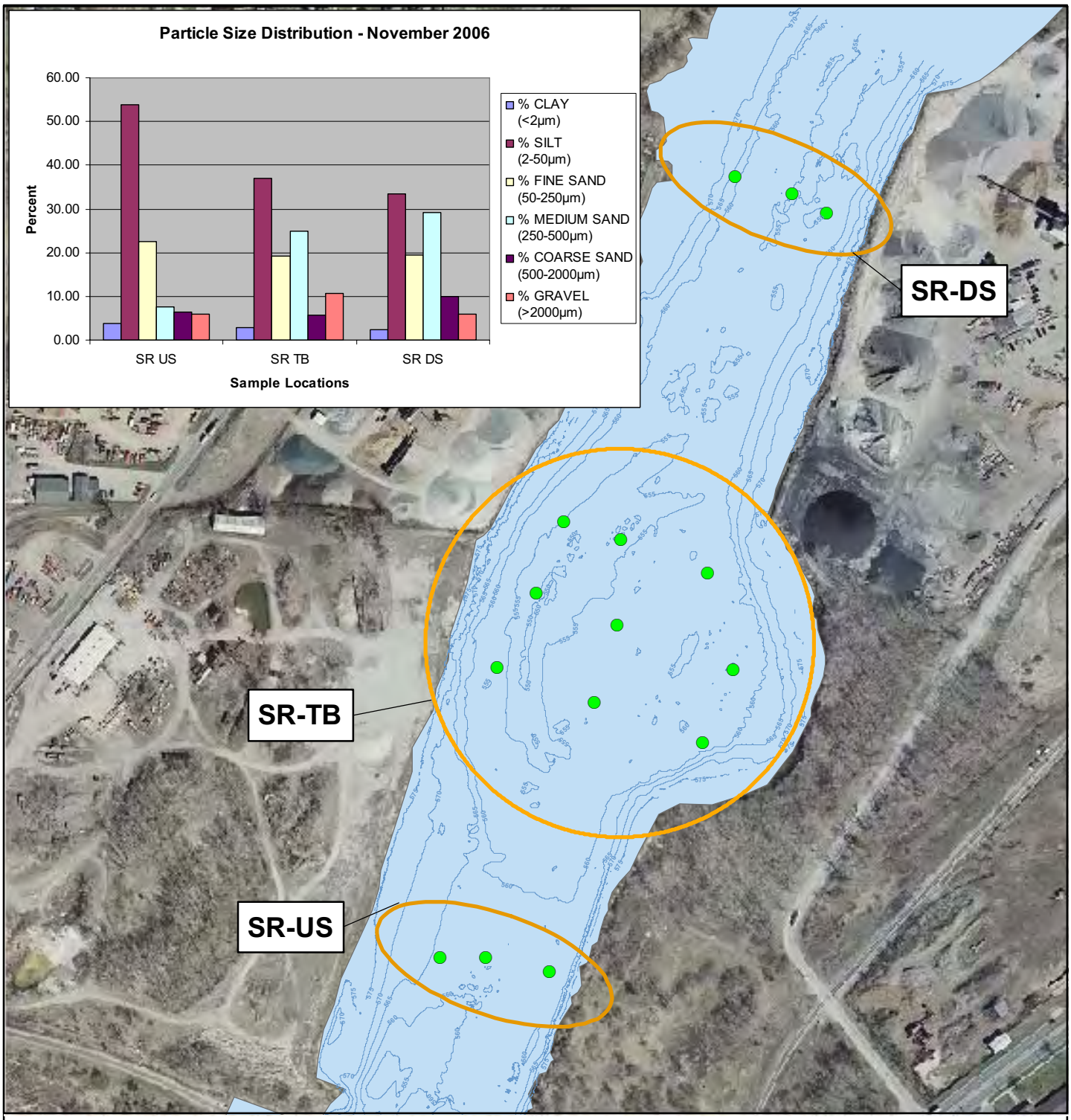
ENVIRON

LimnoTech

Total Suspended Solids Mass Balance

Sixth Street Turning Basin

Figure 4-18



Sediment Trap Location

Bathymetric Contours (5 ft)

Total TEQ concentrations shown in pg/g.

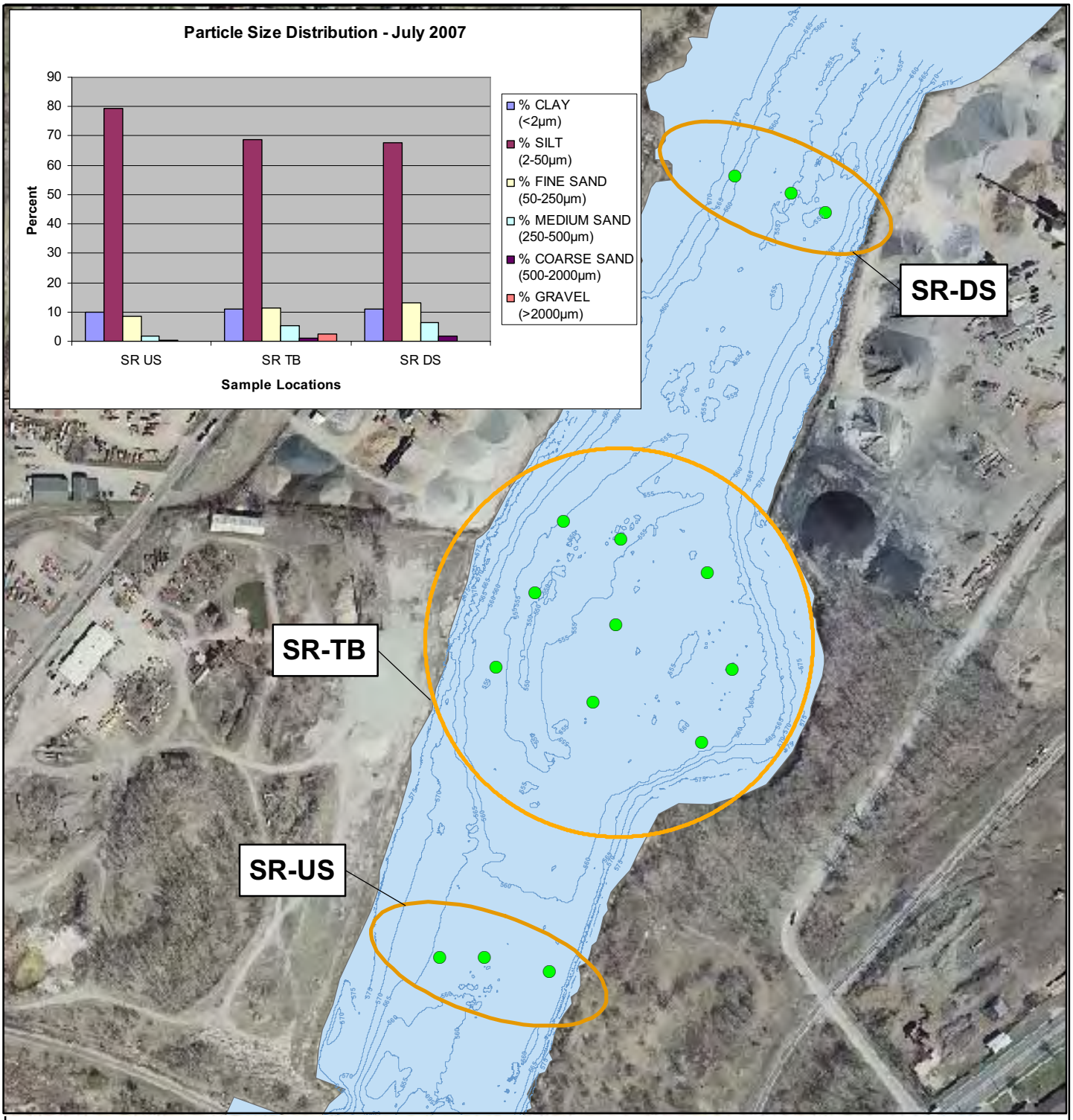
N

0 600 Feet

ENVIRON

Particle Size Distribution: Sediment Traps
November 2006
Sixth Street Turning Basin

Figure 4-19



Sediment Trap Location

Bathymetric Contours (5 ft)

Total TEQ concentrations shown in pg/g.

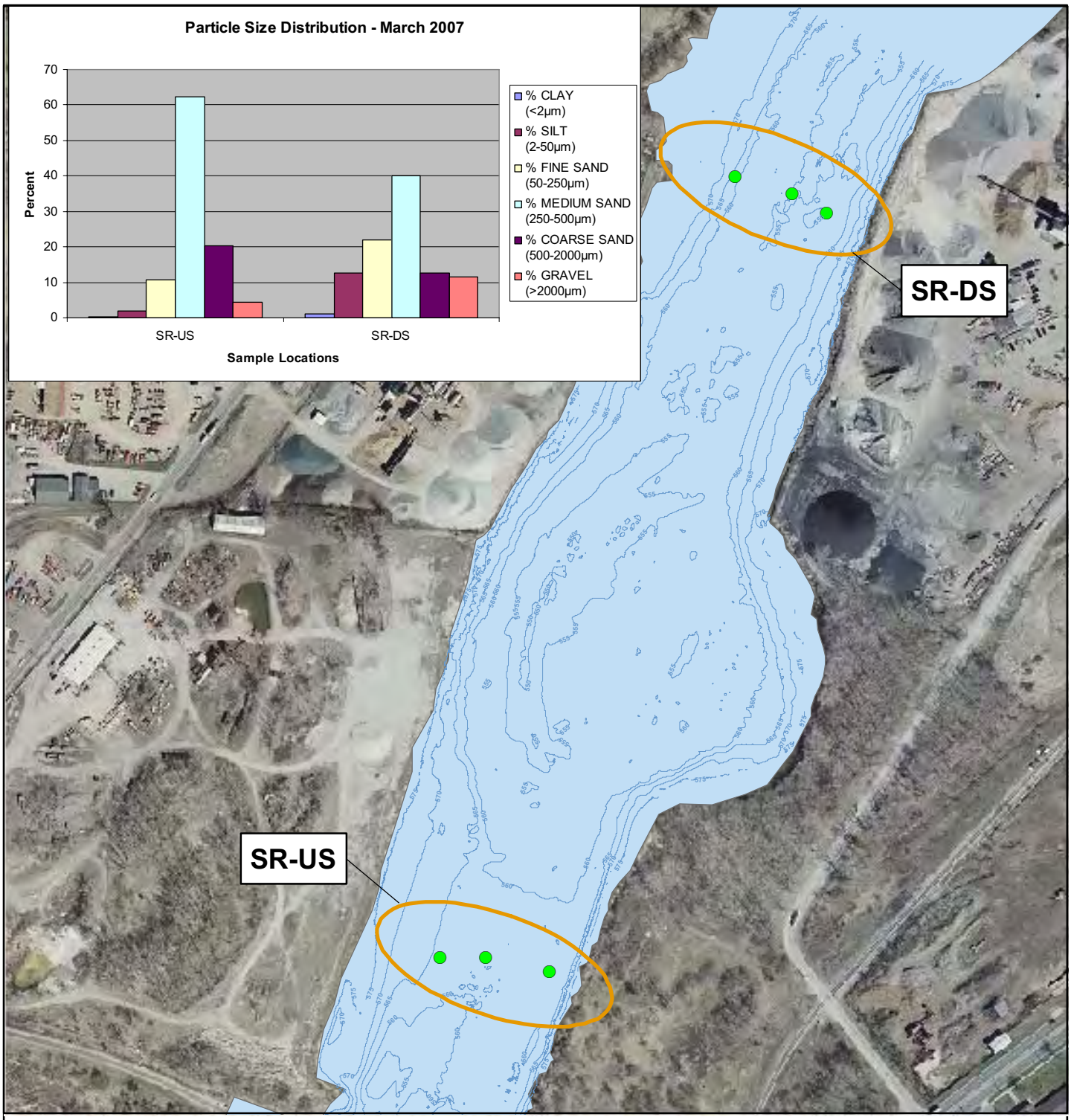
N

0 600 Feet

ENVIRON

Particle Size Distribution: Sediment Traps
July 2007
Sixth Street Turning Basin

Figure 4-20



Bedload Sample Location

Bathymetric Contours (5 ft)

Total TEQ concentrations shown in pg/g.

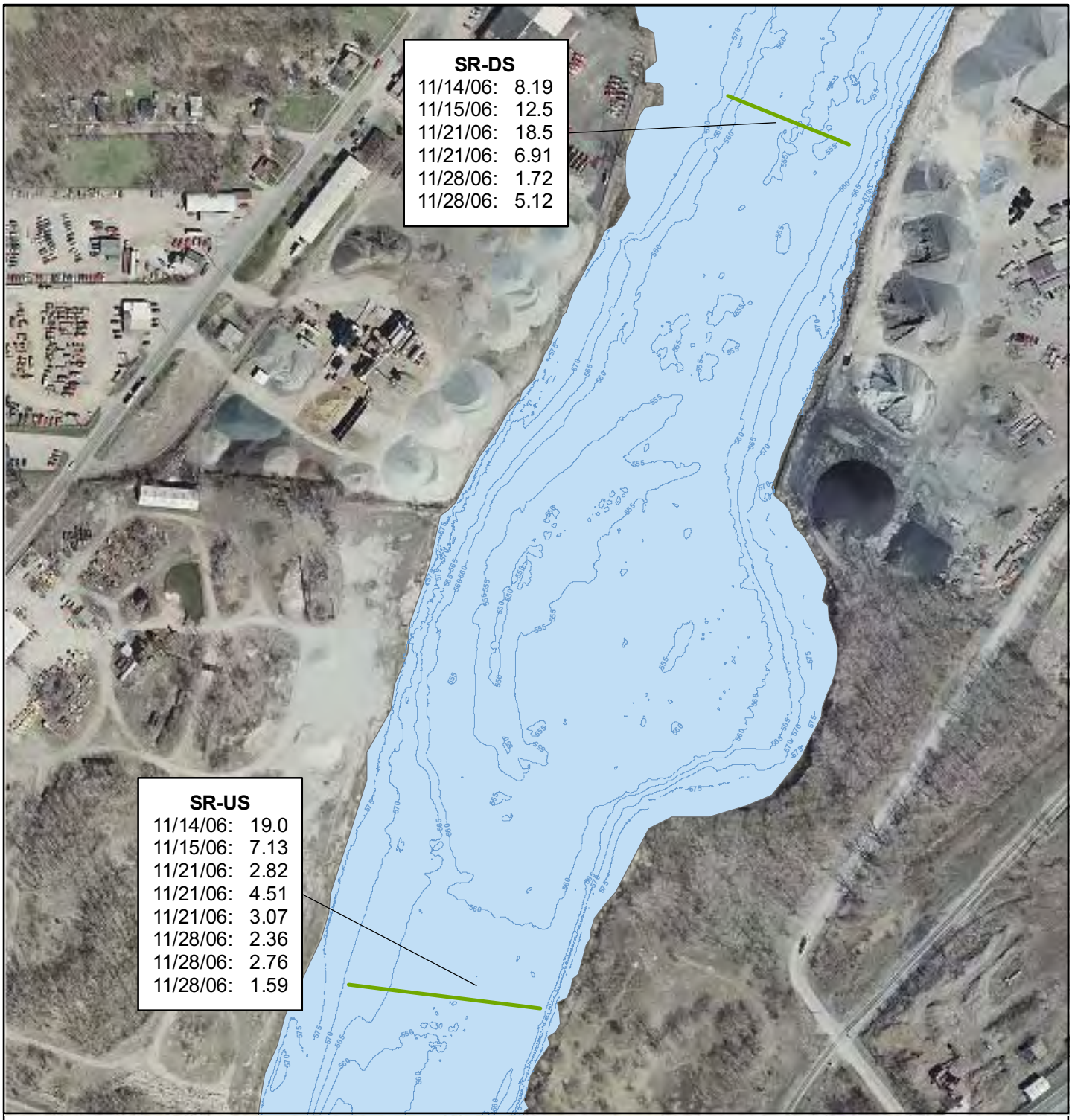
N

0 600 Feet

ENVIRON

Particle Size Distribution: Bedload Samples
March 2007
Sixth Street Turning Basin

Figure 4-21



Approximate Composite Water Sample Transects

Bathymetric Contours (5 ft)

Total TEQ concentrations shown in pg/g.

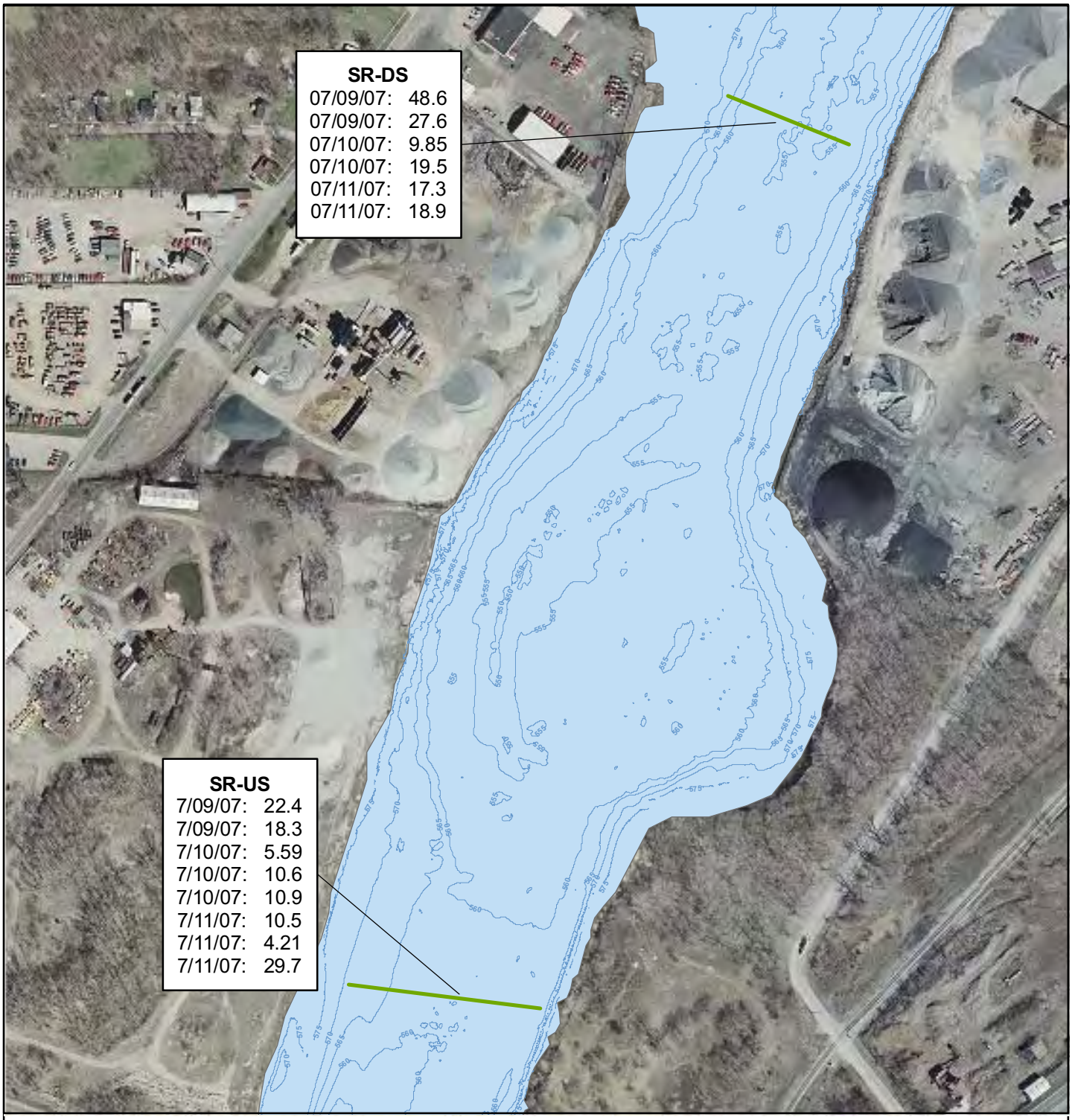
N

0 600 Feet

ENVIRON

Total TEQ Results: Suspended Sediment
November 2006
Sixth Street Turning Basin

Figure 4-22



Approximate Composite Water Sample Transects

Bathymetric Contours (5 ft)

Total TEQ concentrations shown in pg/g.

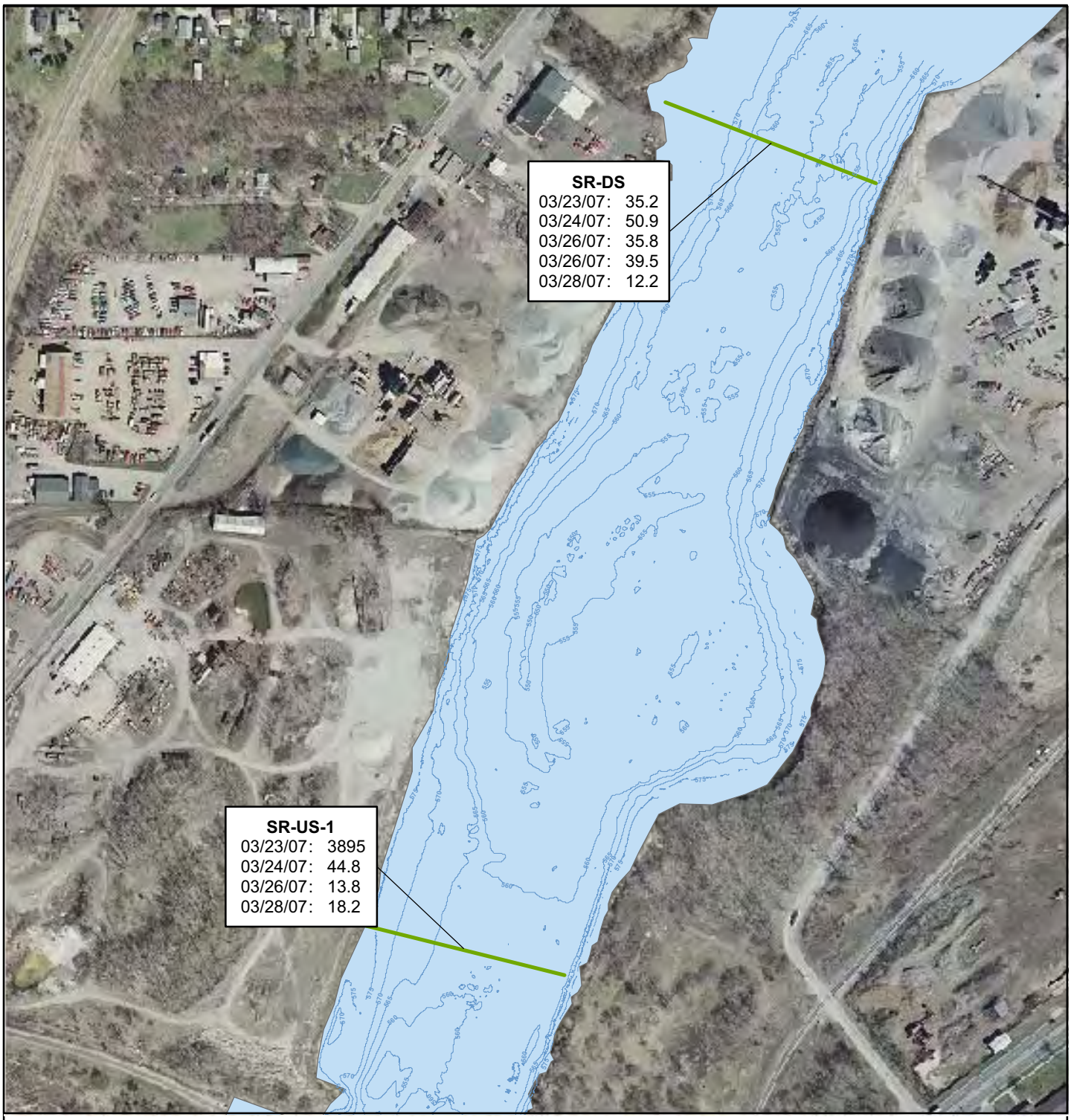
N

0 600 Feet

ENVIRON

Total TEQ Results: Suspended Sediment
July 2007
Sixth Street Turning Basin

Figure 4-23



Approximate Composite Water Sample Transects

Bathymetric Contours (5 ft)

Total TEQ concentrations shown in pg/g.

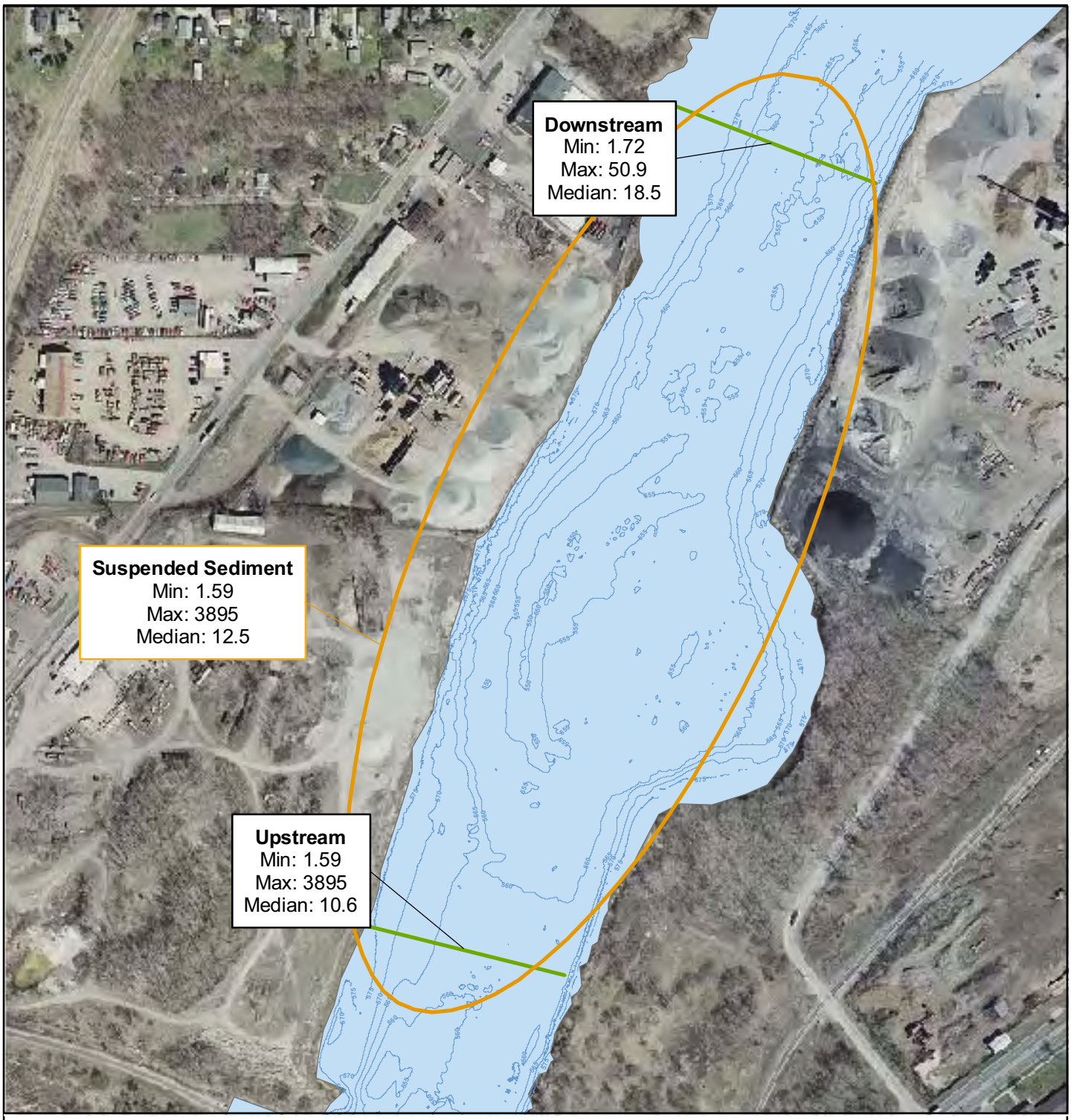
N

0 600 Feet

ENVIRON

Total TEQ Results: Suspended Sediment
March 2007
Sixth Street Turning Basin

Figure 4-24



Approximate Composite Water Sample Transects

Bathymetric Contours (5 ft)

Total TEQ concentrations shown in pg/g.

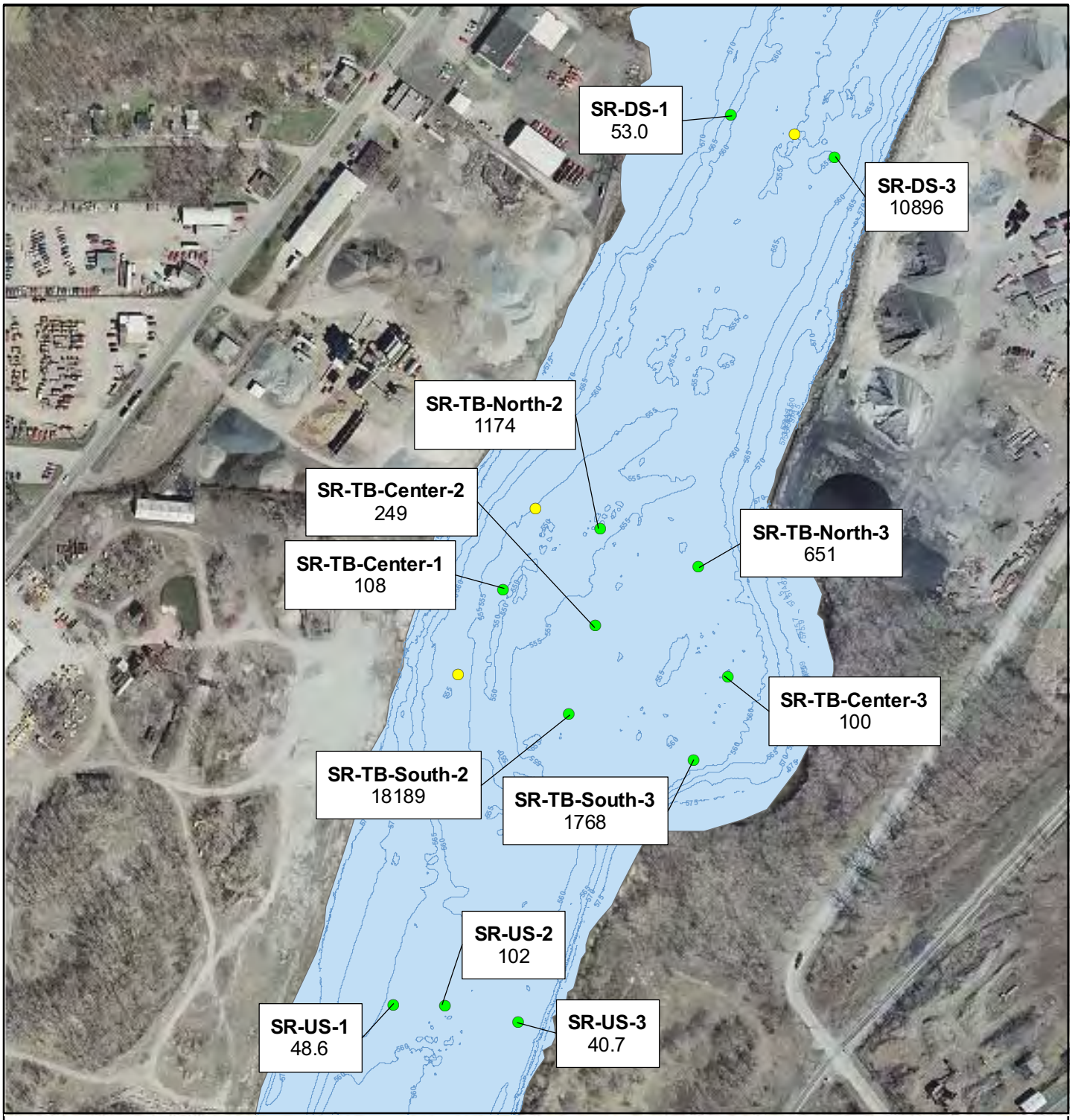
N

0 600 Feet

ENVIRON

Total TEQ Results: Suspended Sediment
Minimum, Maximum, and Median Across All Events
Sixth Street Turning Basin

Figure 4-25



Sediment Trap Locations

Sediment Trap Locations - Not Recovered

Bathymetric Contours (5 ft)

N

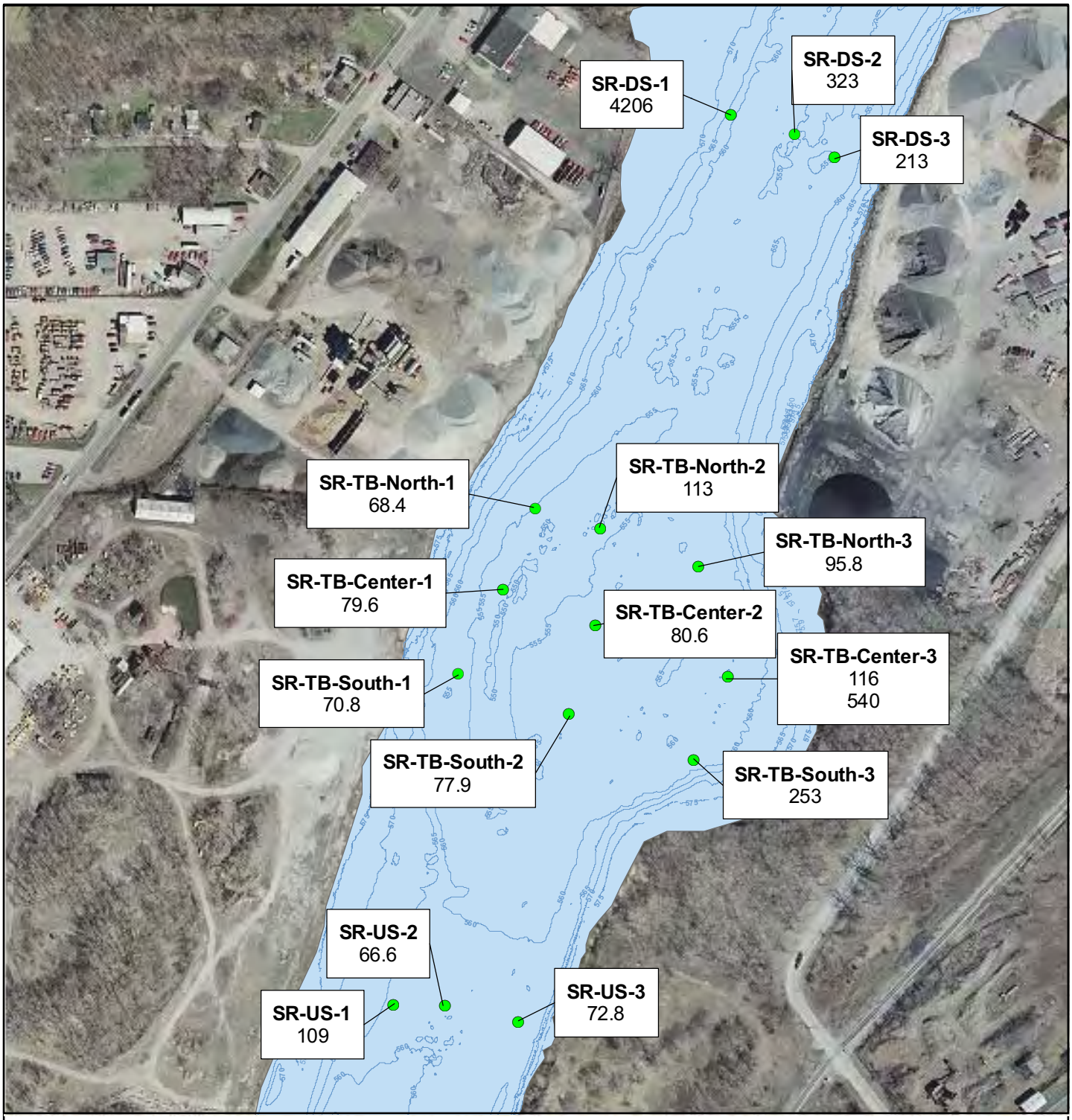
0 600 Feet

Total TEQ concentrations shown in pg/g.

ENVIRON

Total TEQ Results: Sediment Traps
November 2006
Sixth Street Turning Basin

Figure
4-26



Sediment Trap Locations

Bathymetric Contours (5 ft)

Total TEQ concentrations shown in pg/g.

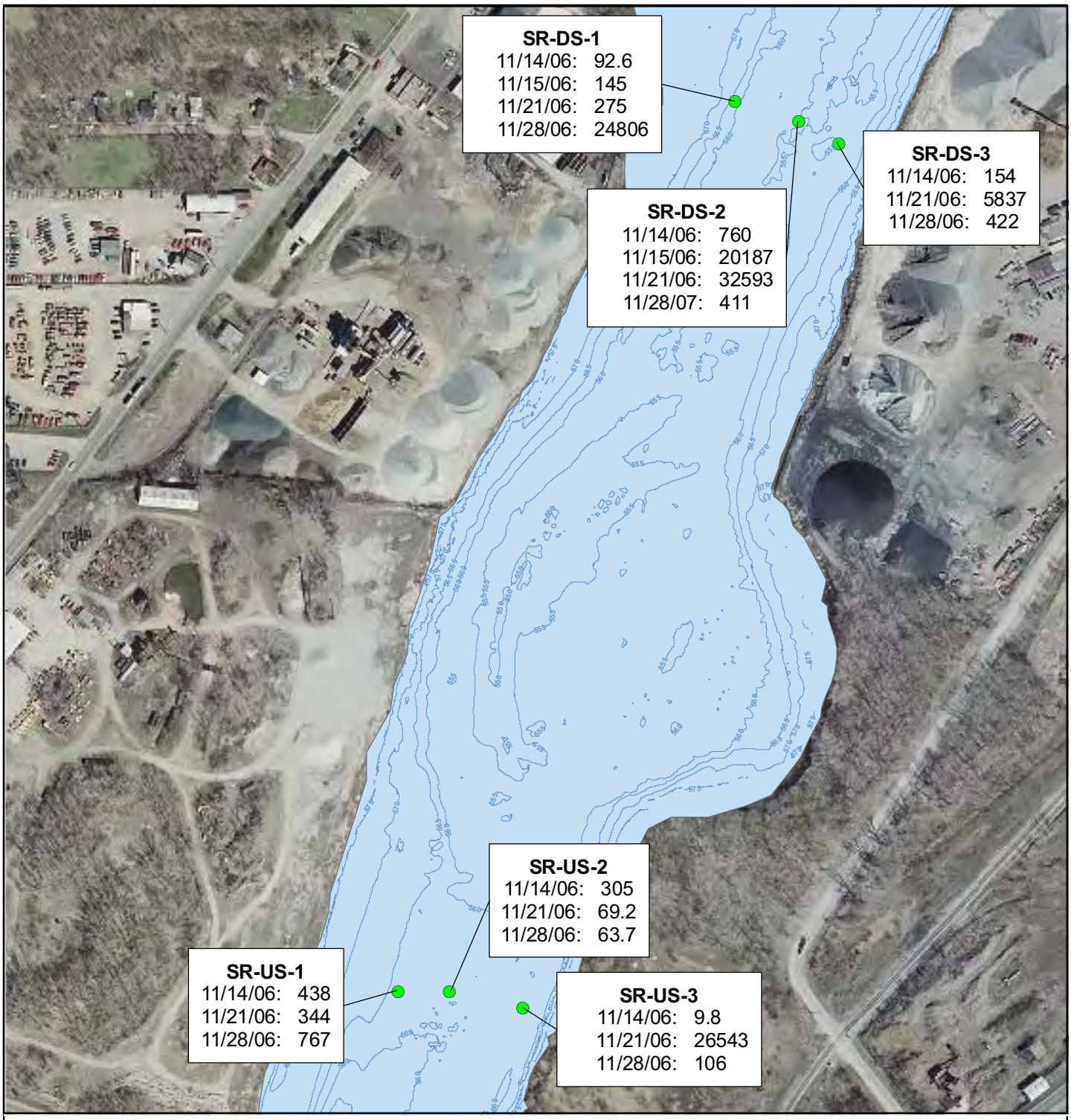
N

0 600 Feet

ENVIRON

Total TEQ Results: Sediment Traps
July 2007
Sixth Street Turning Basin

Figure
4-27



Bedload Sample Location

Bathymetric Contours (5 ft)

Total TEQ concentrations shown in pg/g.

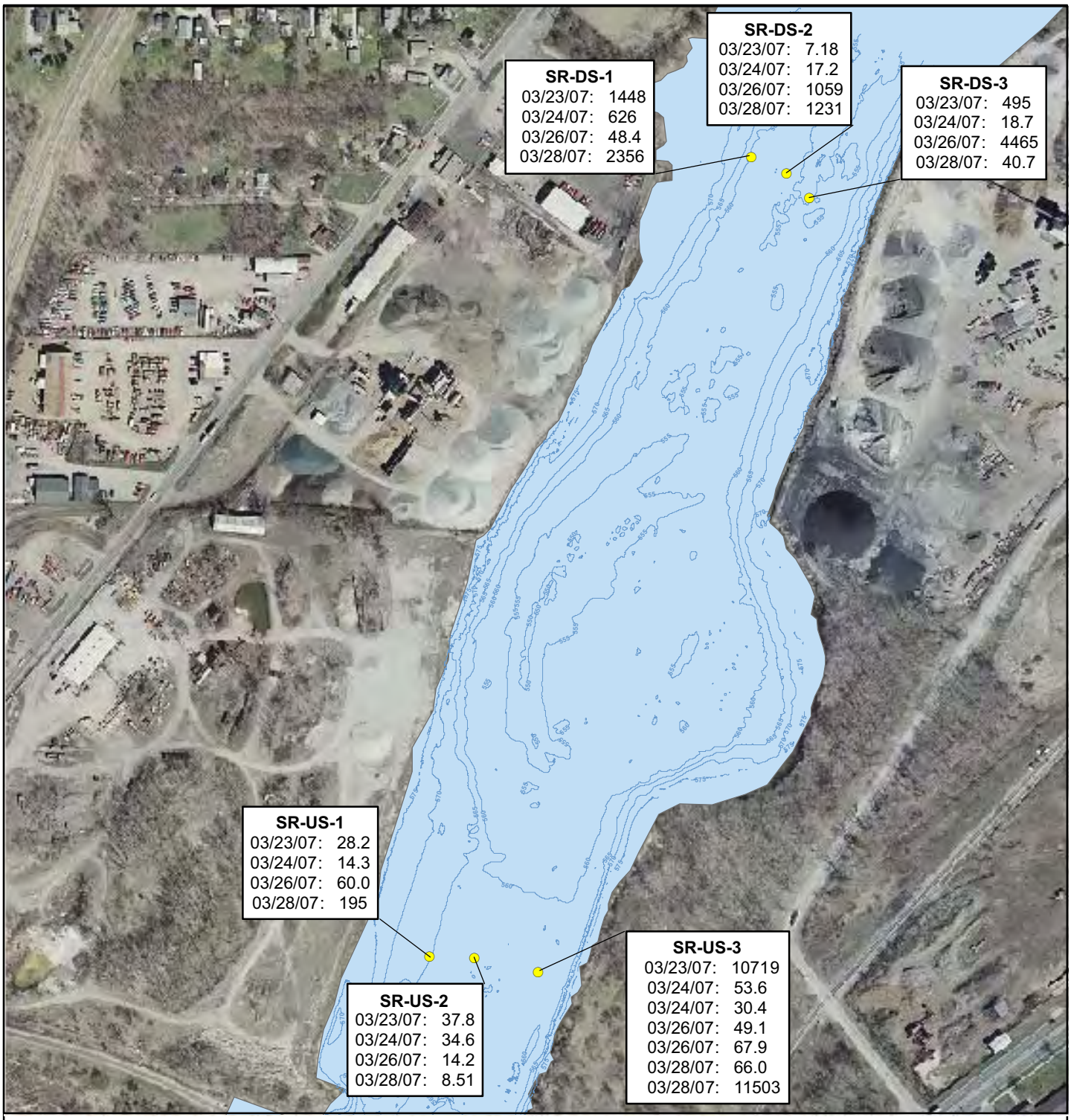
N

0 600 Feet

ENVIRON

Total TEQ Results: Bedload Samples
November 2006
Sixth Street Turning Basin

Figure 4-28



Bedload Sample Location

Bathymetric Contours (5 ft)

Total TEQ concentrations shown in pg/g.

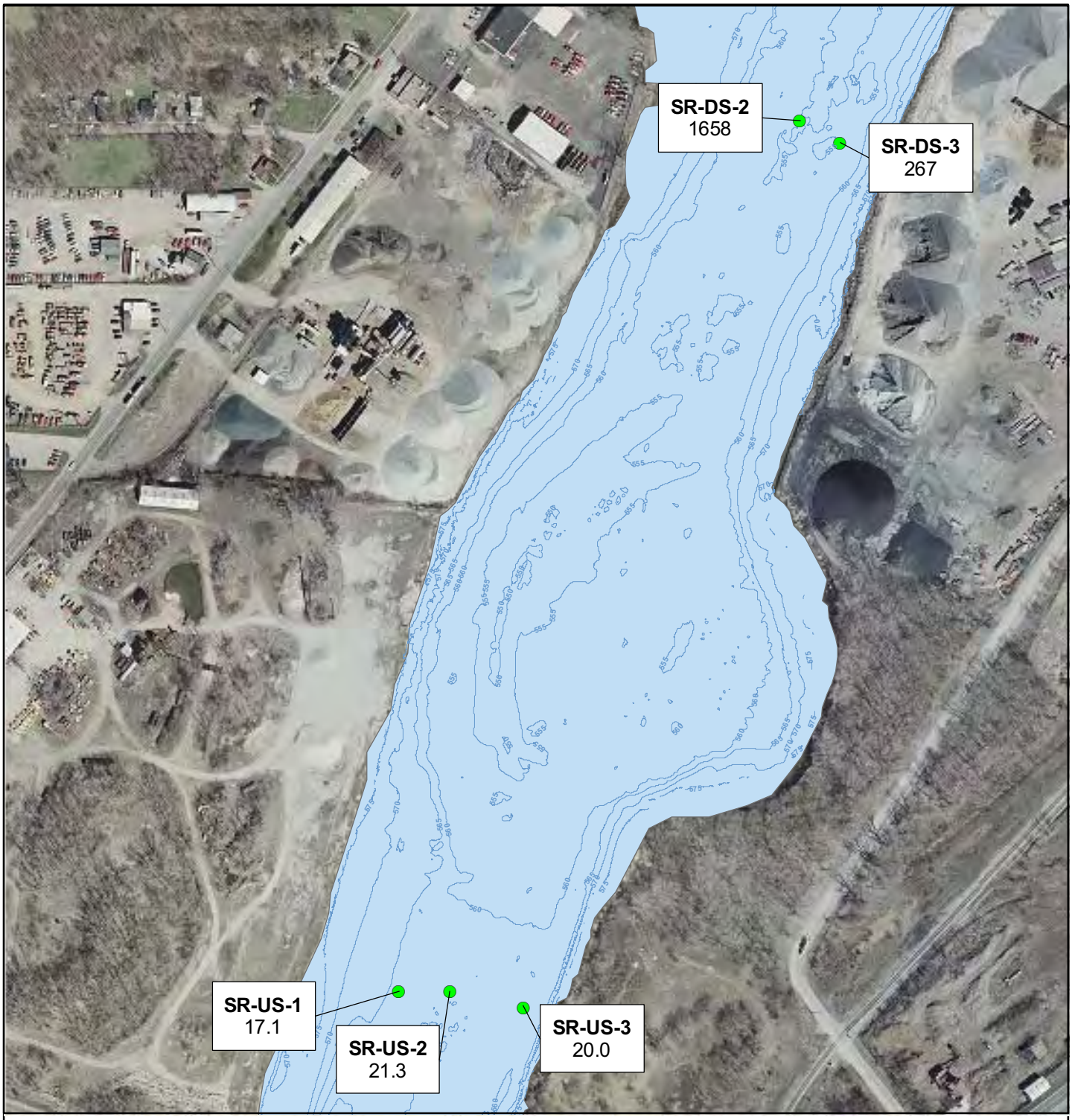
N

0 600 Feet

ENVIRON

Total TEQ Results: Bedload Samples
March 2007
Sixth Street Turning Basin

Figure 4-29



Bedload Sample Location

Bathymetric Contours (5 ft)

Total TEQ concentrations shown in pg/g.

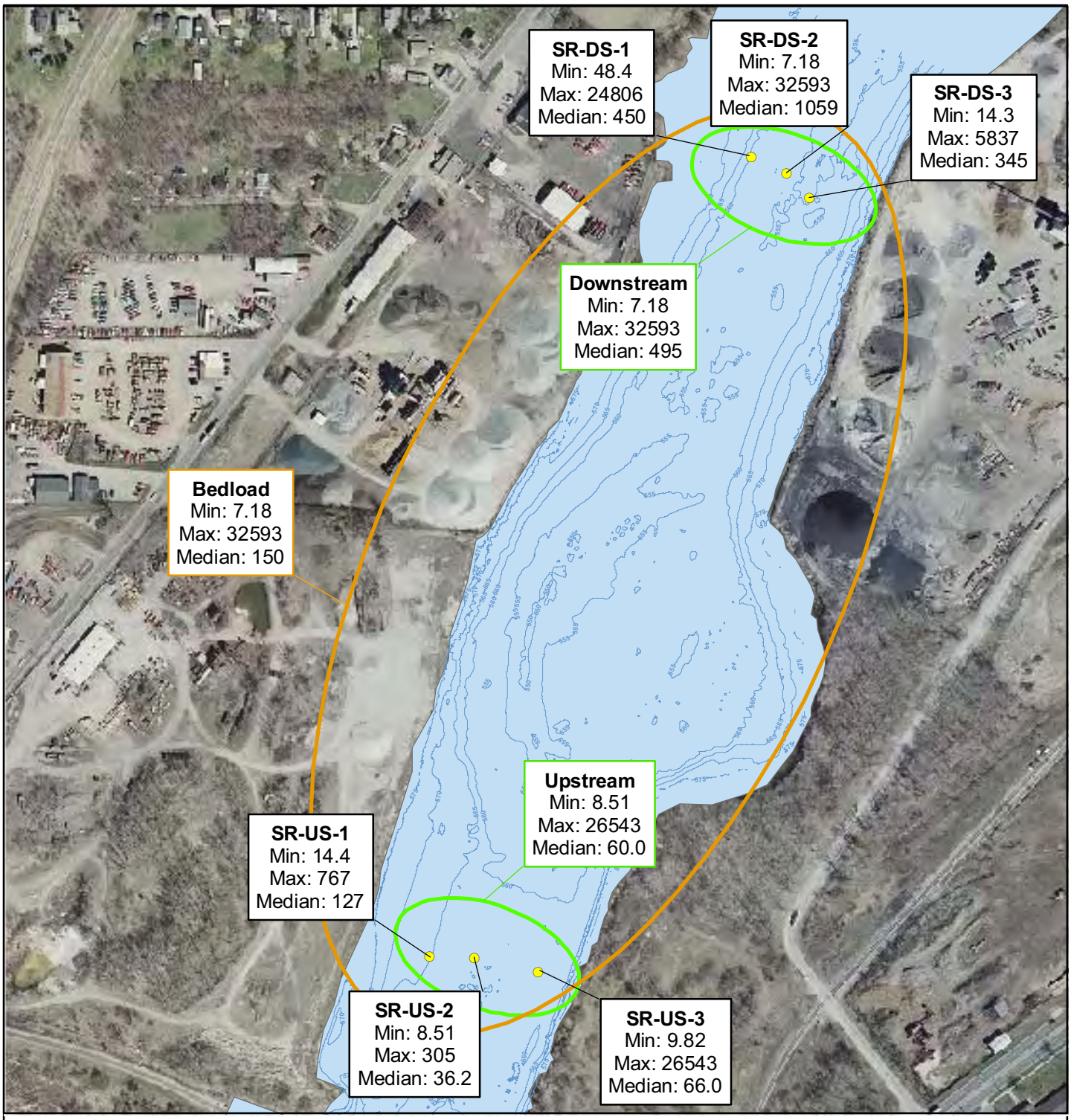
N

0 600 Feet

ENVIRON

Total TEQ Results: Bedload Samples
July 2007
Sixth Street Turning Basin

Figure 4-30



Bedload Sample Location

Bathymetric Contours (5 ft)

Total TEQ concentrations shown in pg/g.

N

0 600 Feet

ENVIRON

Total TEQ Result: Bedload Samples
Minimum, Maximum, and Median Across All Events
Sixth Street Turning Basin

Figure 4-31

Appendices A – G