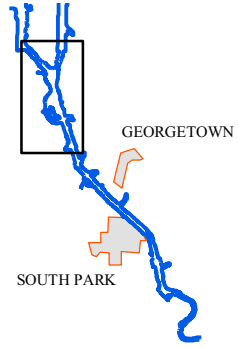


LOCATOR MAP



LEGEND

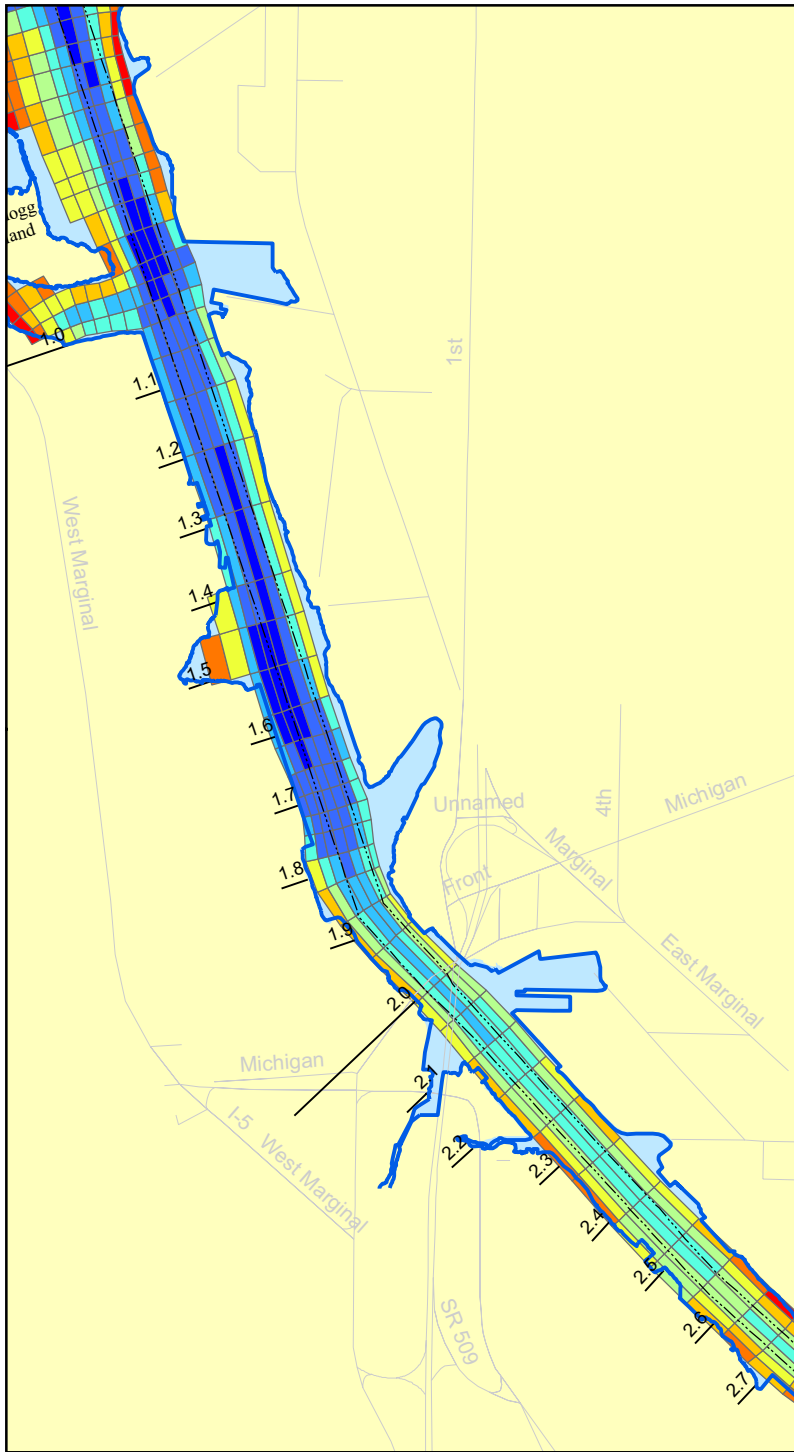
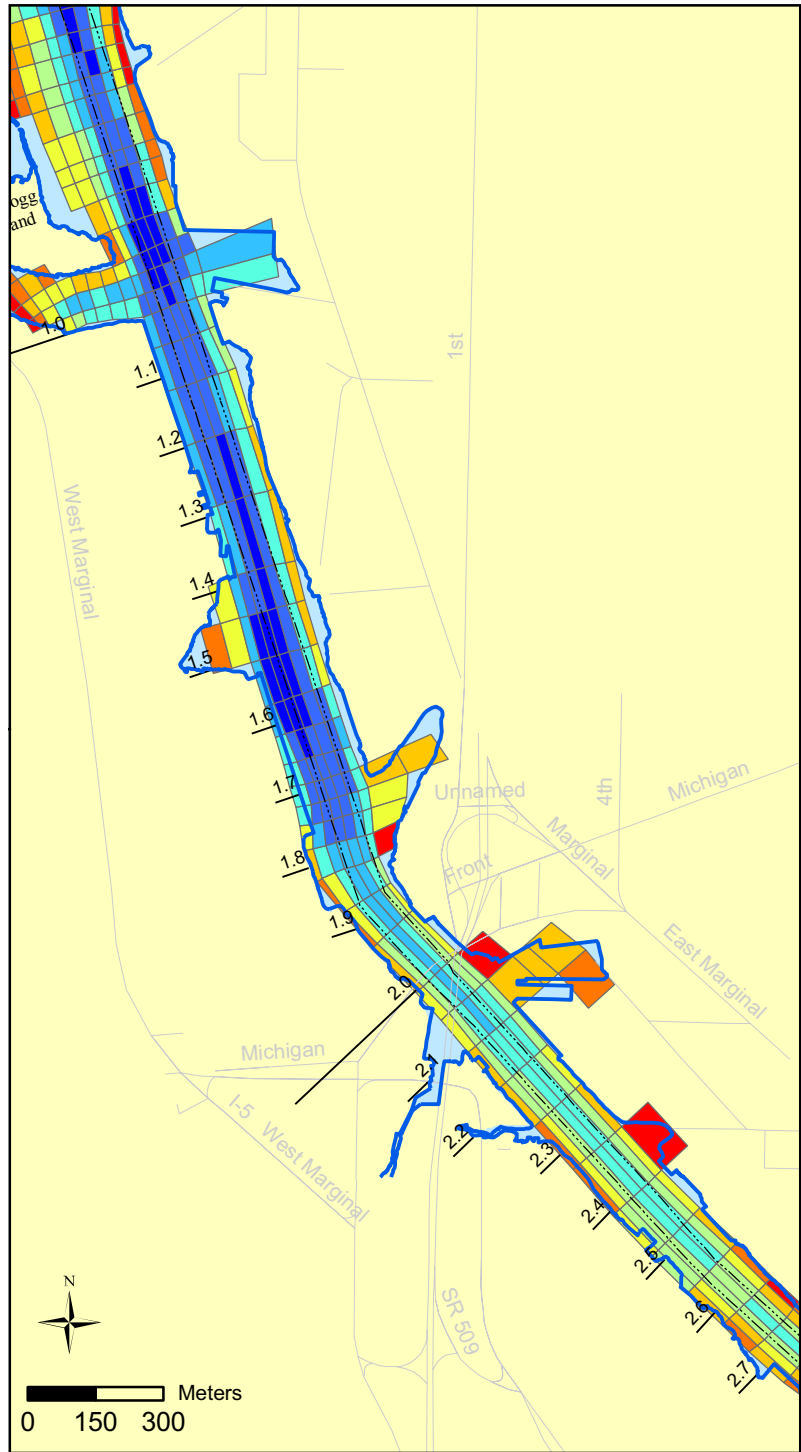
- Shore Line
 - Roads
 - Neighborhoods
 - River Miles
 - Navigation Channel
- Water depth (ft MSL)**
- 0 - 5
 - 5 - 10
 - 10 - 15
 - 15 - 20
 - 20 - 25
 - 25 - 30
 - 30 - 35
 - 35 - 40
 - > 40
 - Outside Model Domain

LOWER DUWAMISH WATERWAY STUDY AREA SEATTLE, WA

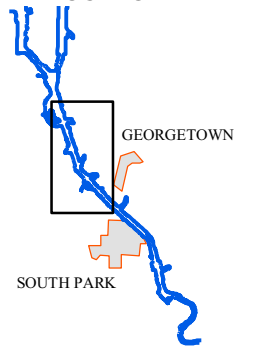
Figure 2-1. Modified (left panel) and original (right panel) numerical grids: RM 0.0 to 1.5.

April 2008





LOCATOR MAP



LEGEND

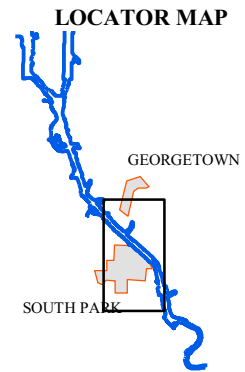
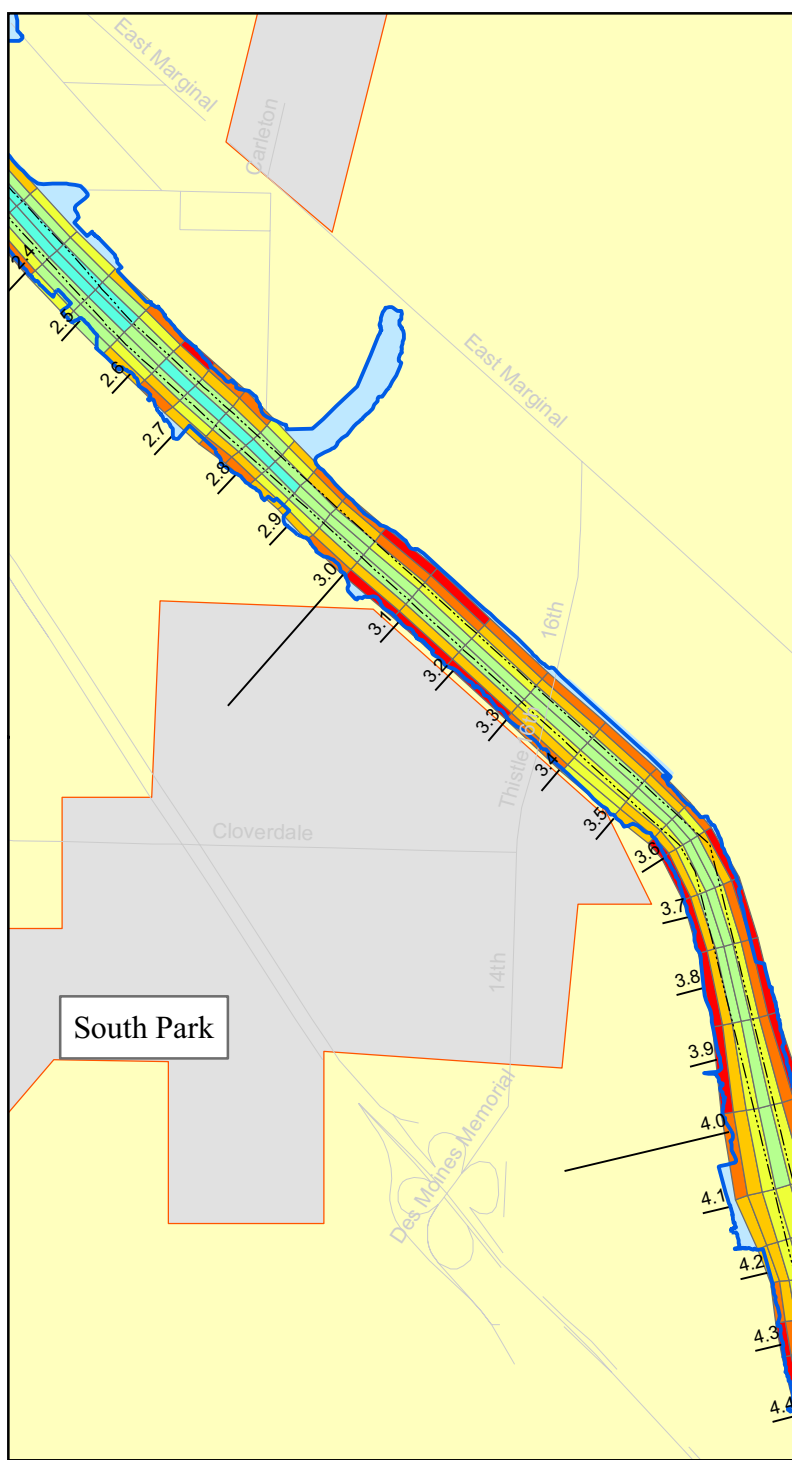
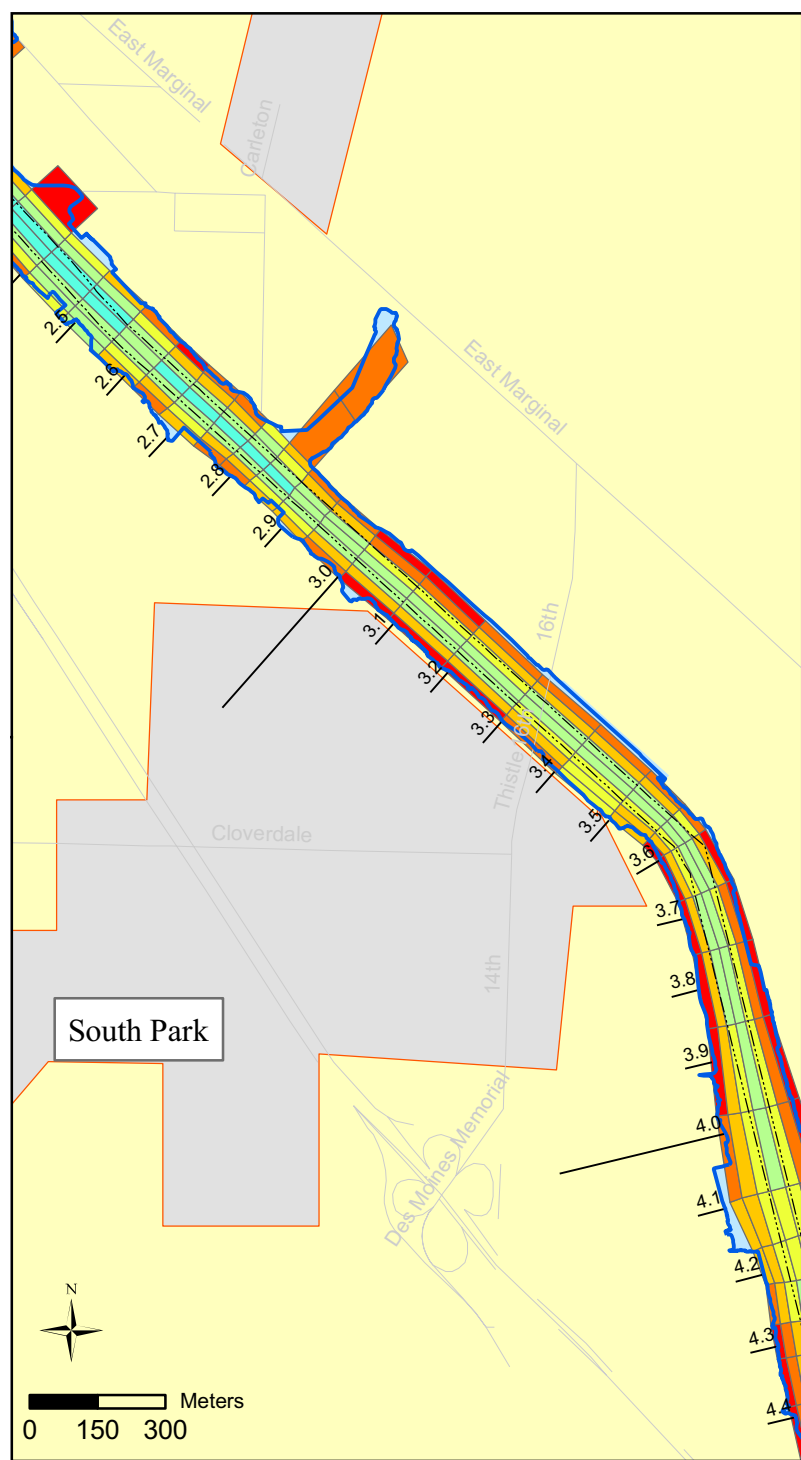
- Shore Line
 - Roads
 - Neighborhoods
 - River Miles
 - Navigation Channel
- Water depth (ft MSL)**
- 0 - 5
 - 5 - 10
 - 10 - 15
 - 15 - 20
 - 20 - 25
 - 25 - 30
 - 30 - 35
 - 35 - 40
 - Outside Model Domain

LOWER DUWAMISH WATERWAY STUDY AREA SEATTLE, WA

Figure 2-2.
Modified (left panel) and original (right panel) numerical grids: RM 0.8 to 2.7.

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LEGEND

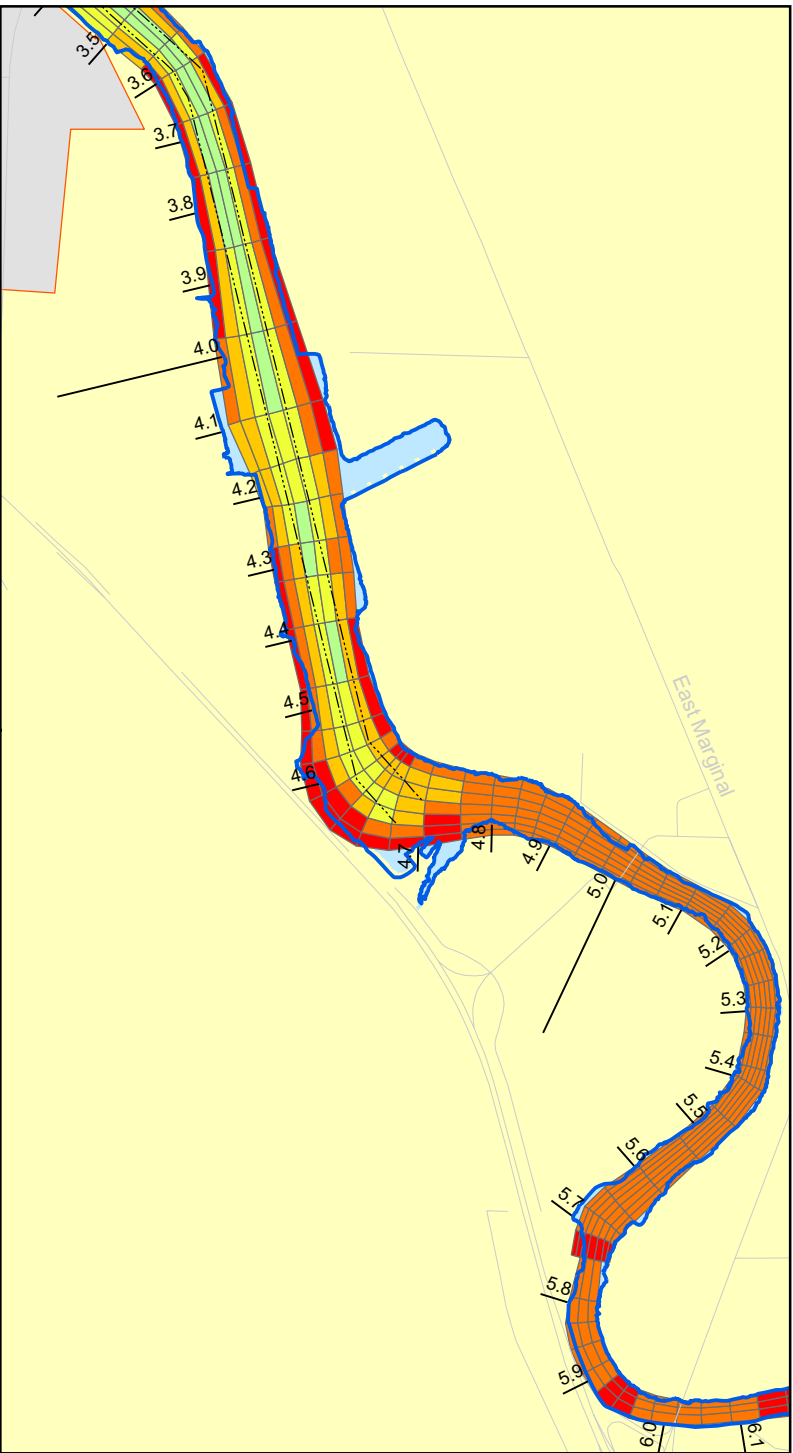
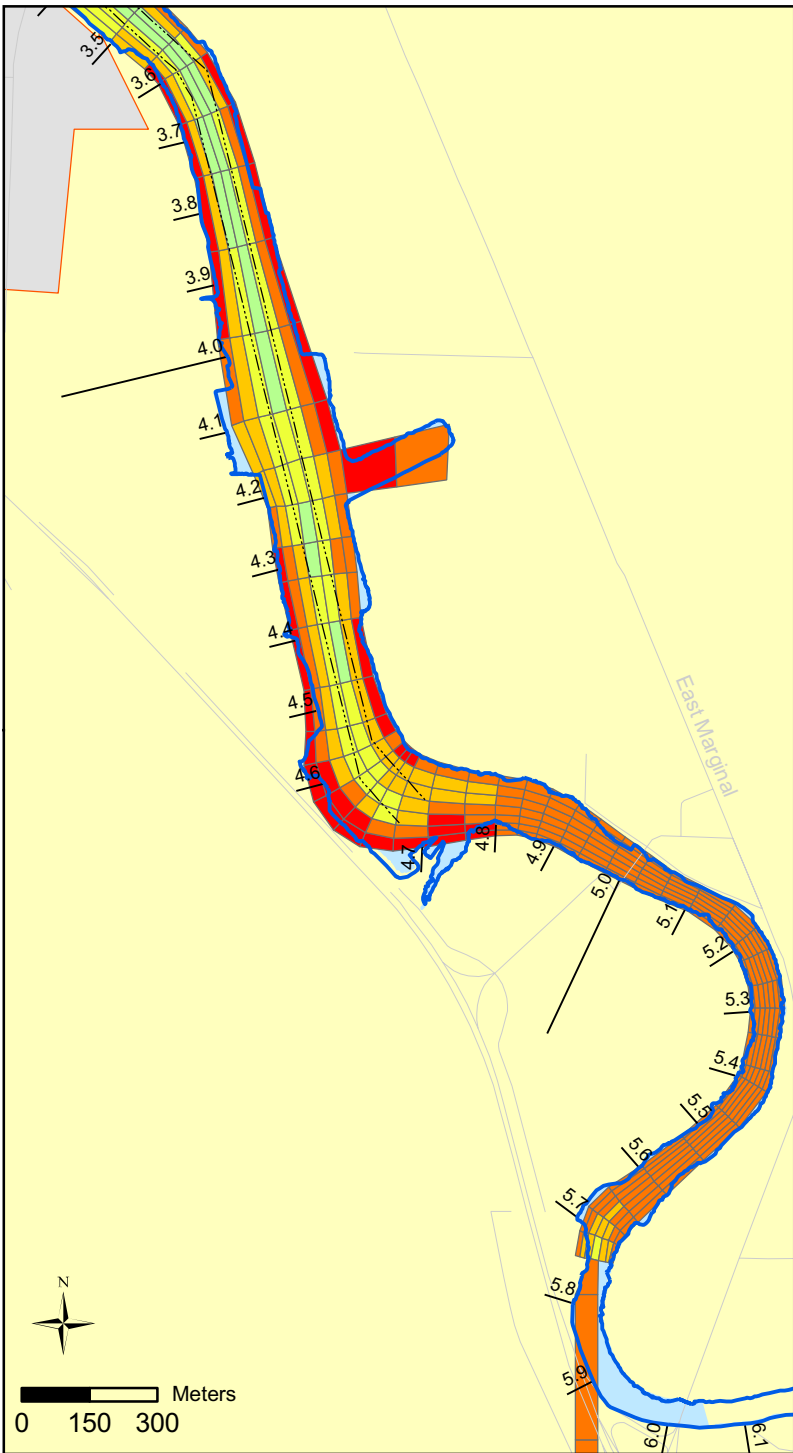
- Shore Line
- Roads
- Neighborhoods
- River Miles
- Navigation Channel
- Water depth (ft MSL)**
- 0 - 5
- 5 - 10
- 10 - 15
- 15 - 20
- 20 - 25
- 25 - 30
- 30 - 35
- 35 - 40
- > 40
- Outside Model Domain

LOWER DUWAMISH WATERWAY STUDY AREA SEATTLE, WA

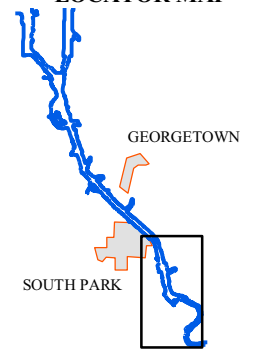
Figure 2-3. Modified (left panel) and original (right panel) numerical grids: RM 2.5 to 4.0.

April 2008





LOCATOR MAP



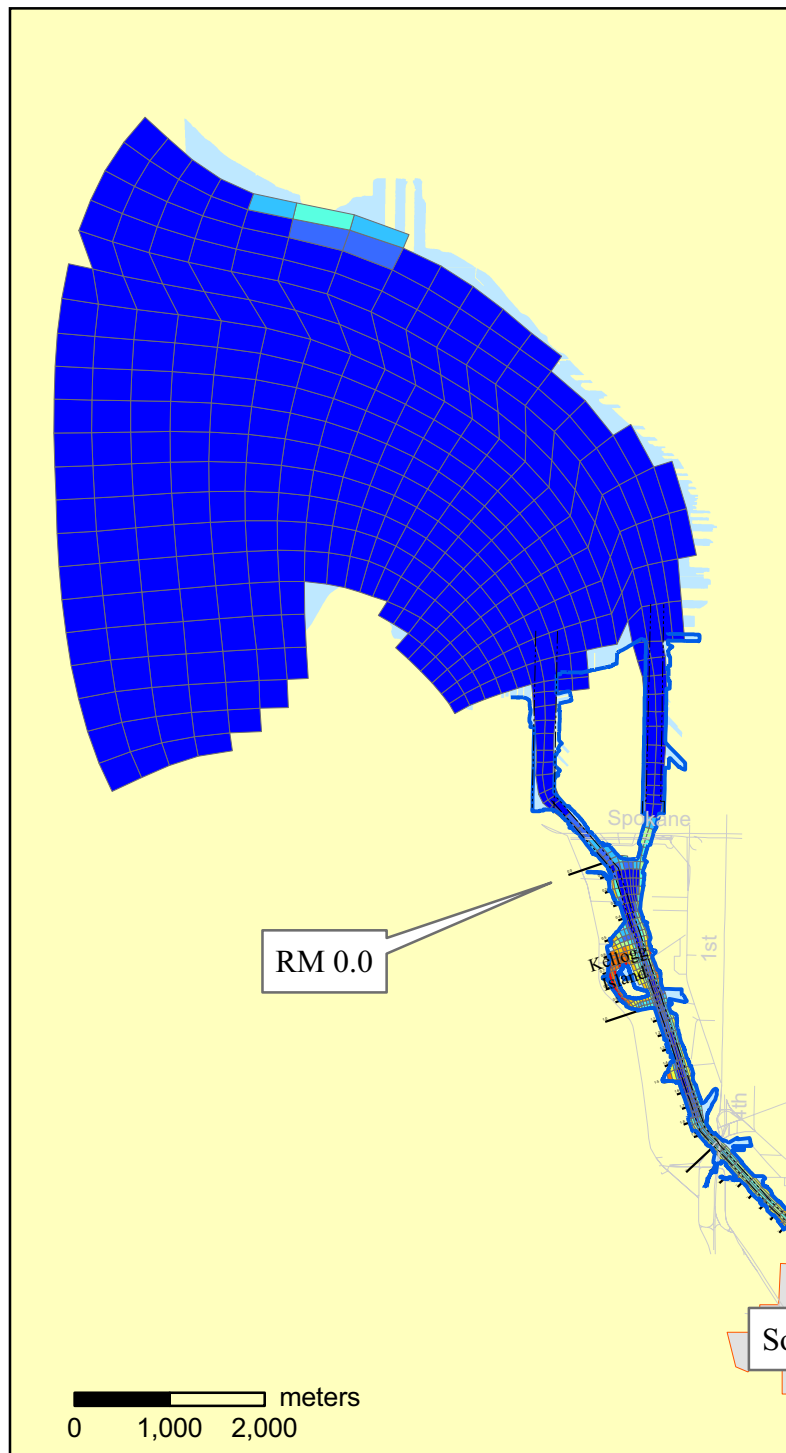
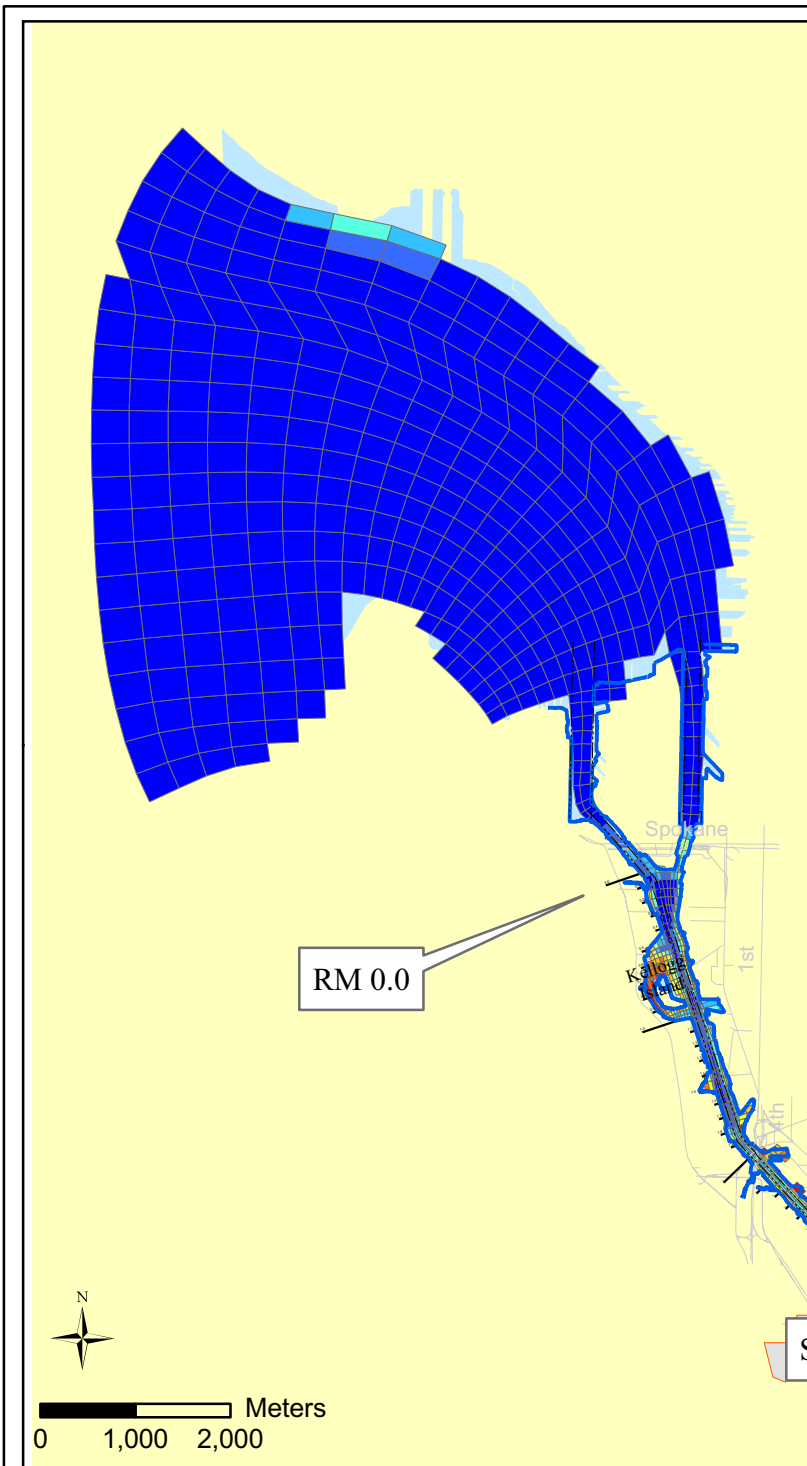
LEGEND

- Shore Line
 - Roads
 - Neighborhoods
 - River Miles
 - Navigation Channel
- Water depth (ft MSL)**
- 0 - 5
 - 5 - 10
 - 10 - 15
 - 15 - 20
 - 20 - 25
 - 25 - 30
 - 30 - 35
 - 35 - 40
 - > 40
 - Outside Model Domain

LOWER DUWAMISH WATERWAY STUDY AREA SEATTLE, WA

Figure 2-4.
Modified (left panel) and original (right panel) numerical grids: RM 3.5 to 5.9.
April 2008





LOCATOR MAP



LEGEND

- Shore Line
- Roads
- Neighborhoods
- River Miles
- Navigation Channel

Water depth (ft MSL)

- 0 - 5
- 5 - 10
- 10 - 15
- 15 - 20
- 20 - 25
- 25 - 30
- 30 - 35
- 35 - 40
- > 40
- Outside Model Domain

LOWER DUWAMISH WATERWAY STUDY AREA SEATTLE, WA

Figure 2-5.
Modified (left panel) and original (right panel) numerical grids: downstream of RM 0.0.
April 2008



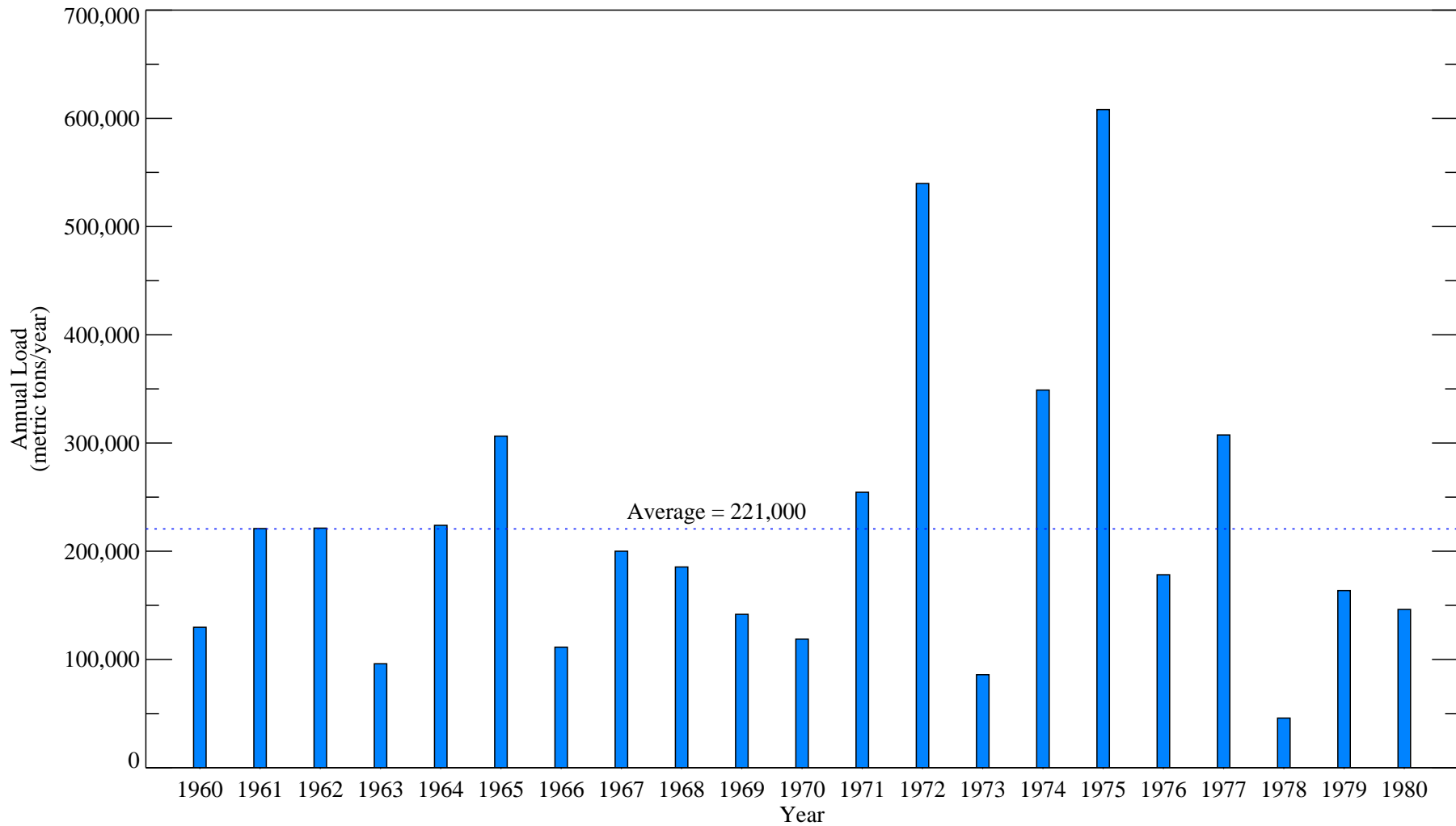


Figure 2-6. Estimated annual total sediment load (suspended and bed load) in the Green River from 1960 through 1980.

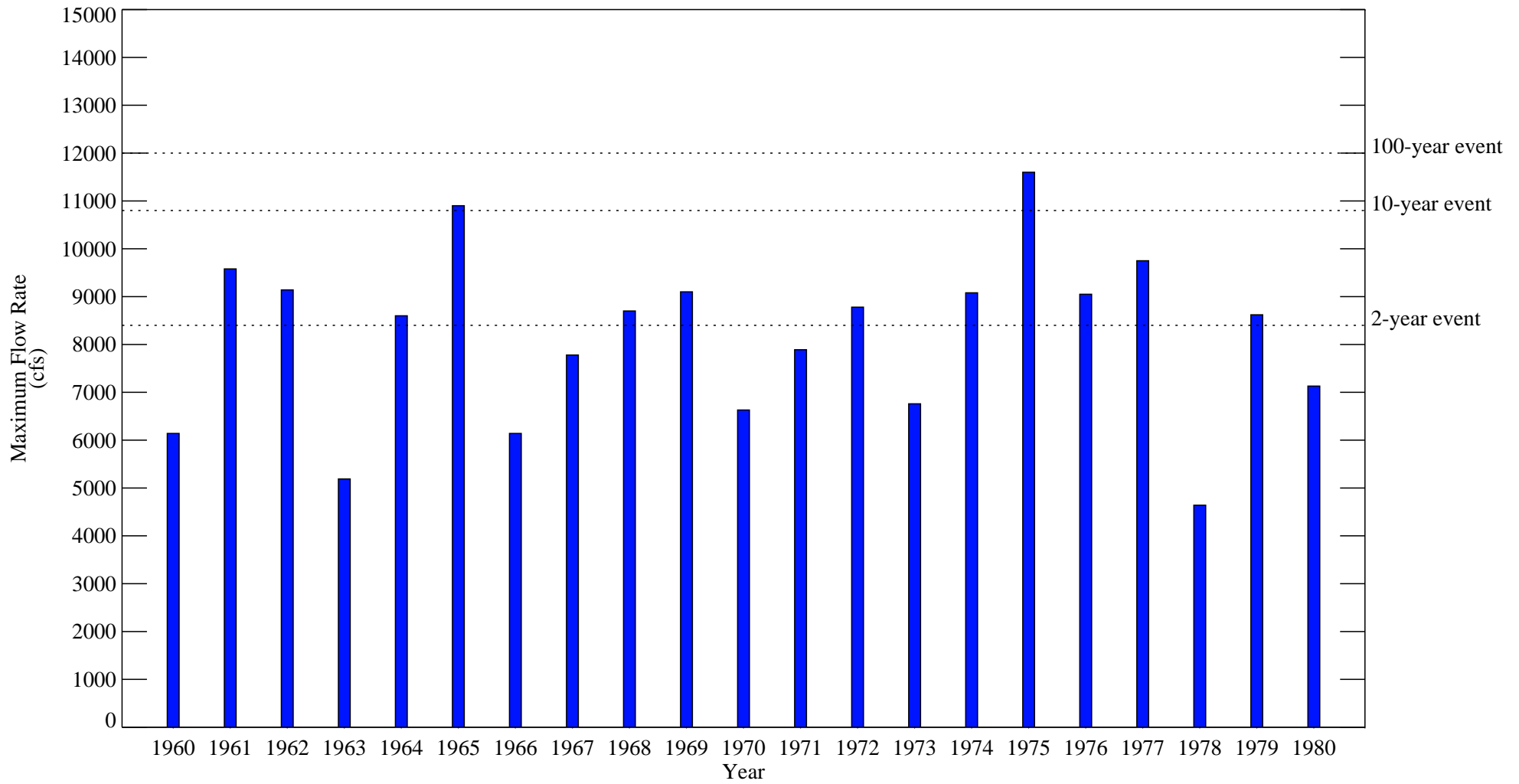


Figure 2-7. Maximum flow rate during each year for calibration period: 1960 - 1980.

Flow data: Fresh Water Discharge at USGS 12113000 (Green River).

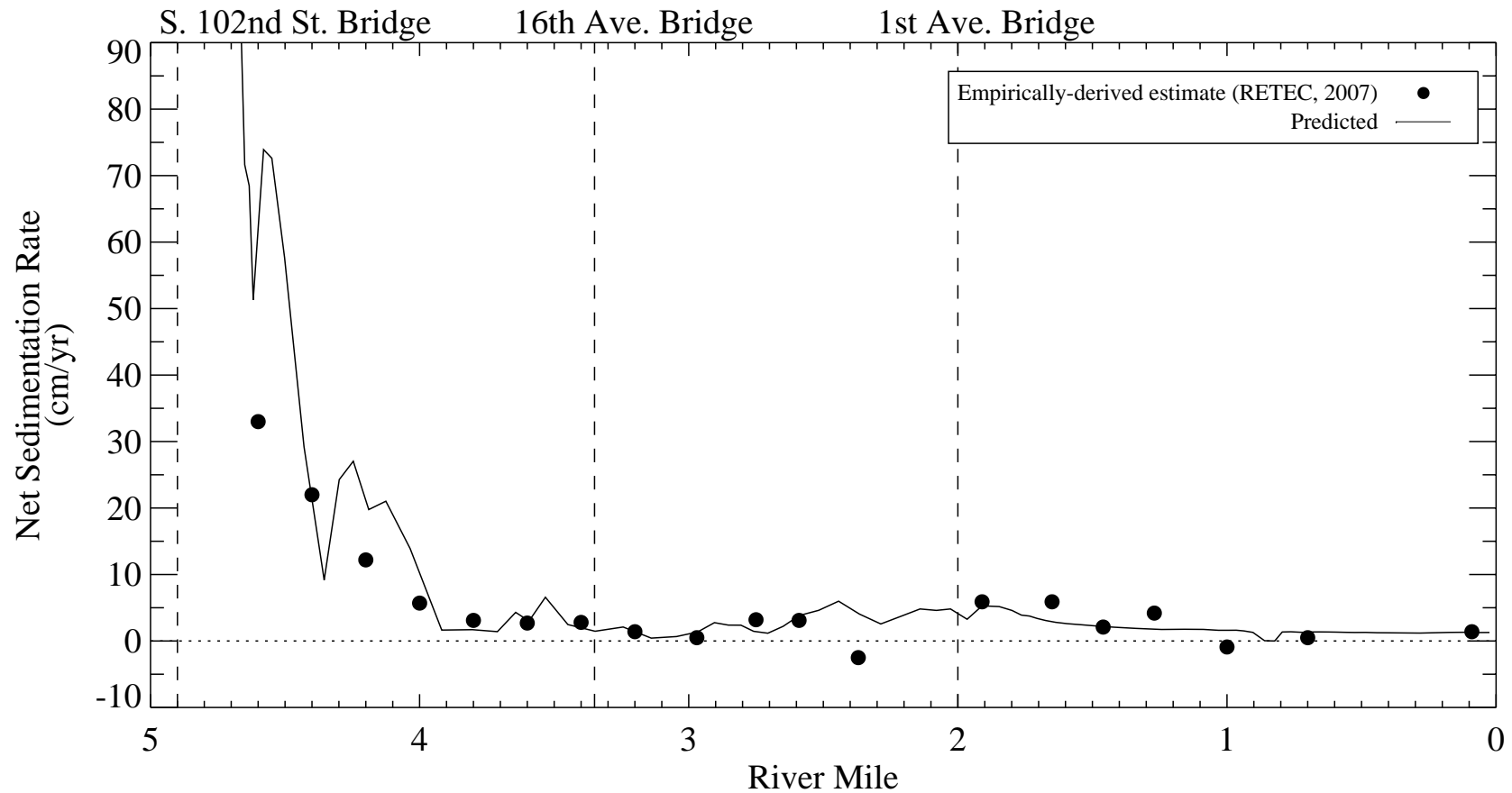


Figure 2-8. Comparison of predicted and empirically-derived estimate of net sedimentation rates in the navigation channel for 21-year calibration period. Predicted rates are average values for 21-year period.

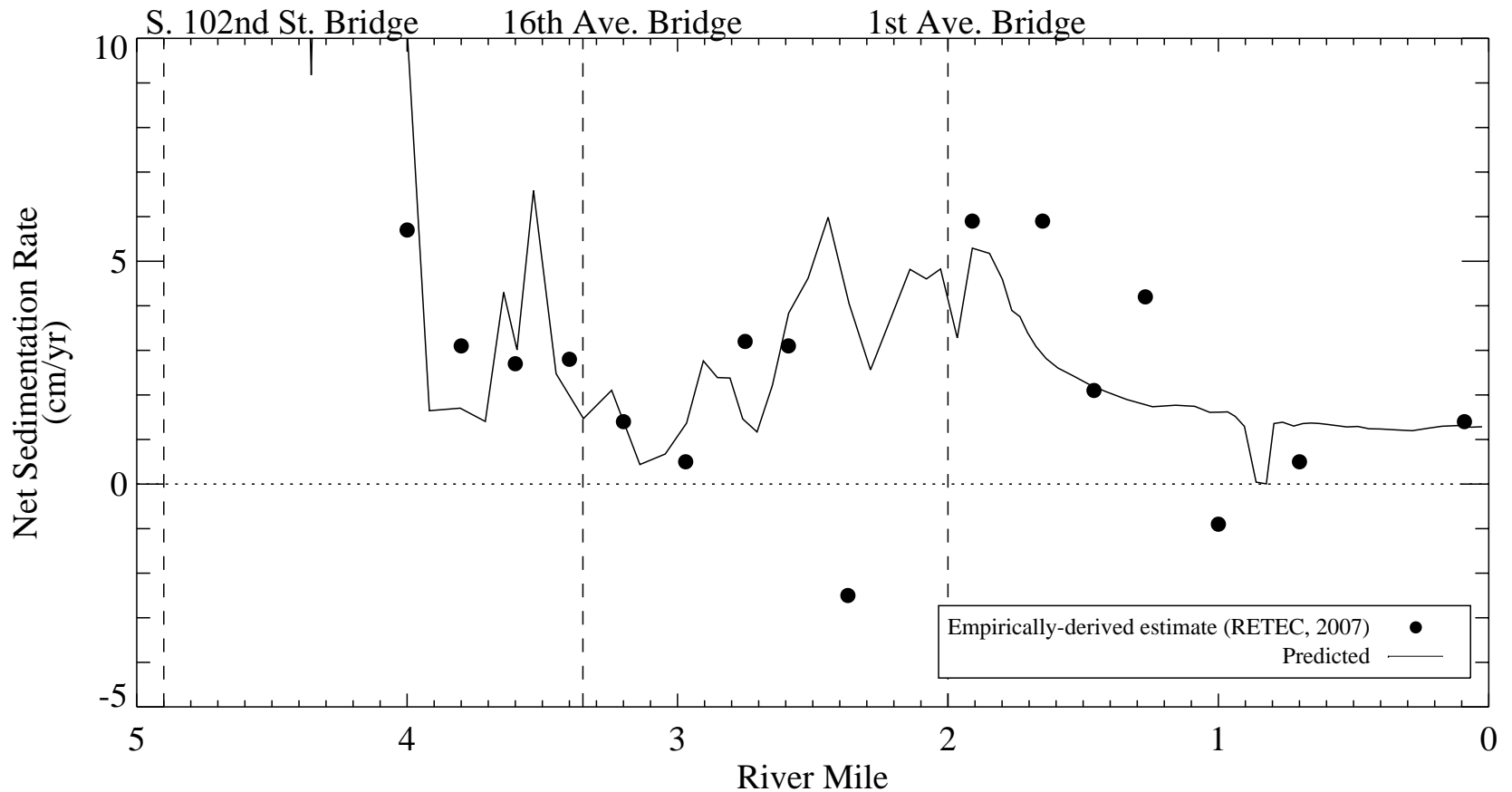


Figure 2-9. Comparison of predicted and empirically-derived estimate of net sedimentation rates in the navigation channel for 21-year calibration period. Predicted rates are average values for 21-year period.

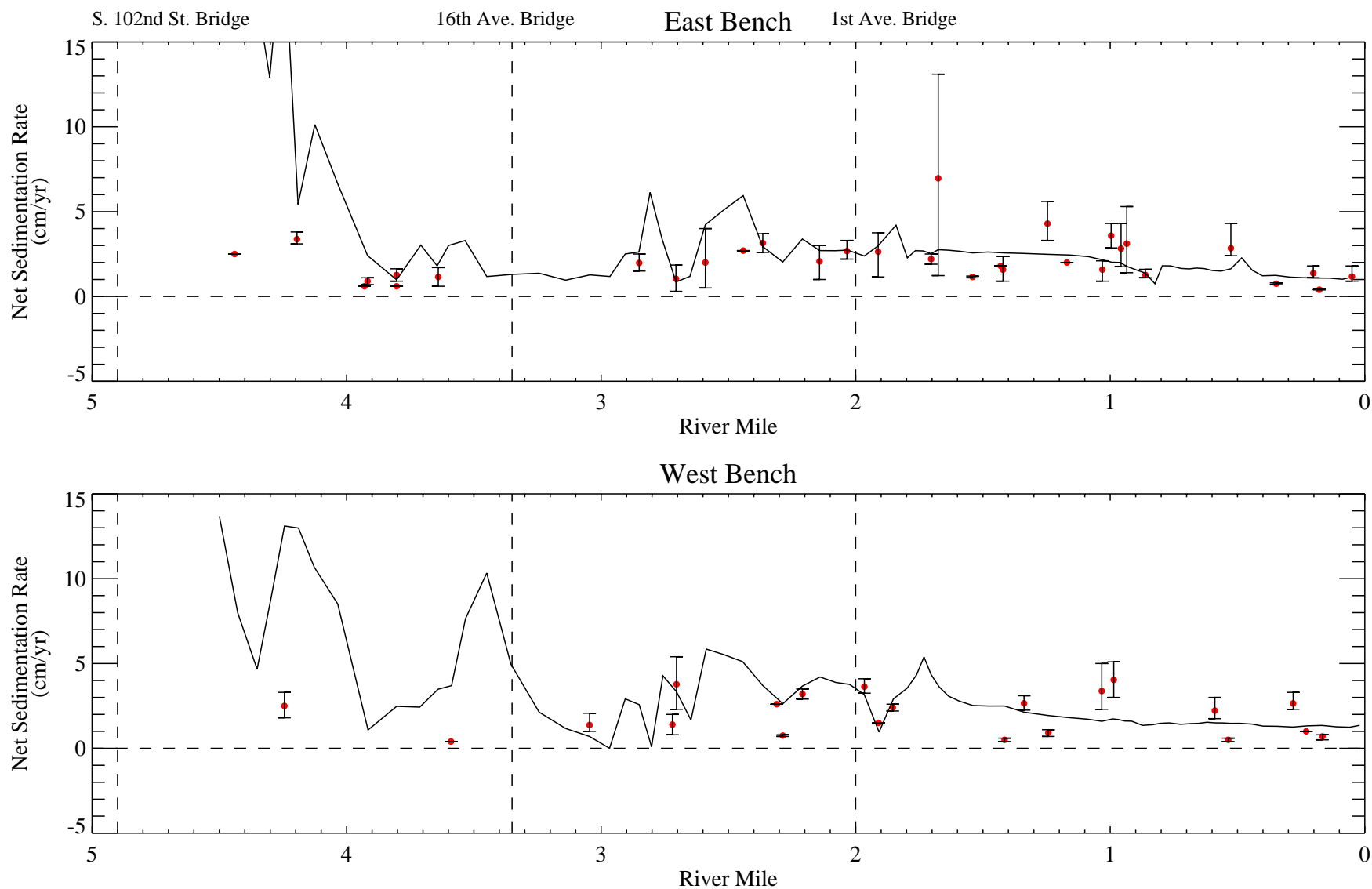
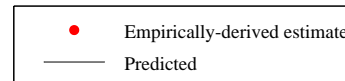


Figure 2-10. Comparison of predicted and estimated net sedimentation rates in the east (top panel) and west (bottom panel) bench areas for 21-year calibration period. Predicted rates are average values for 21-year period. Average (solid dot) and range (bar) of empirically-derived estimates are shown.



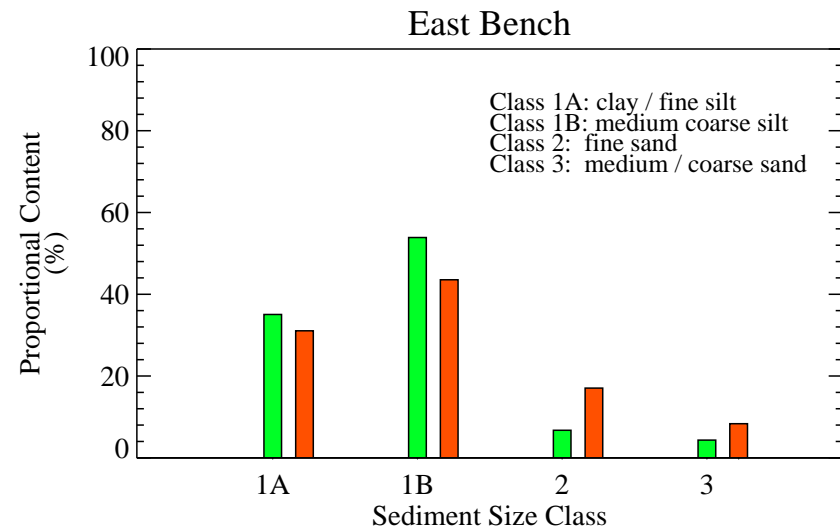
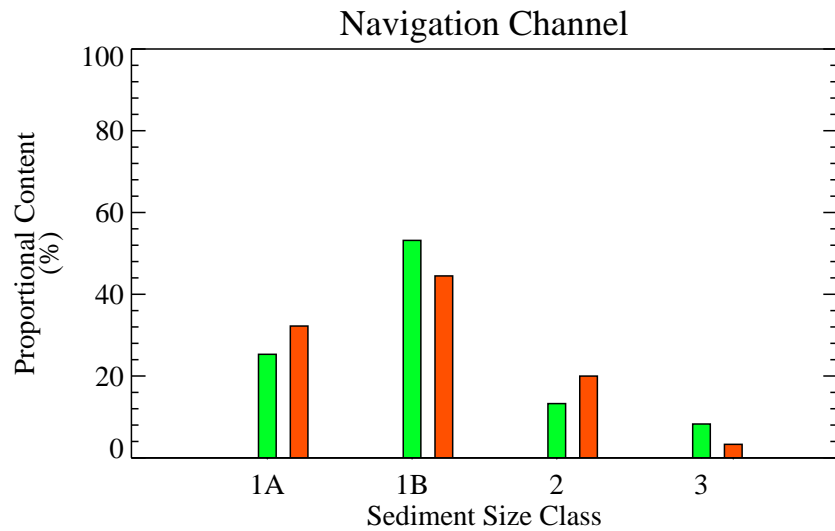
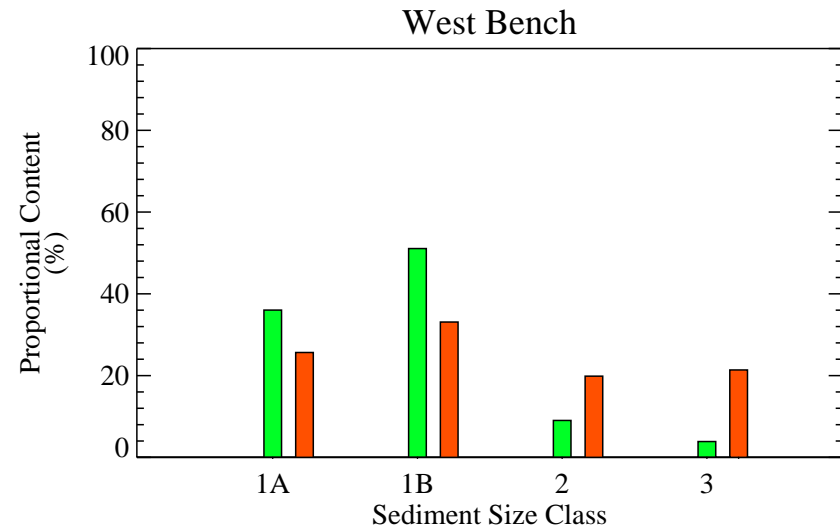
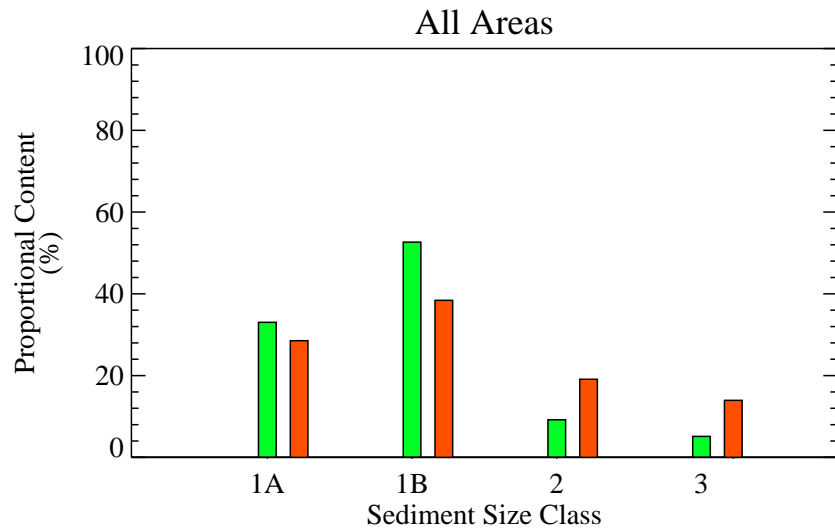
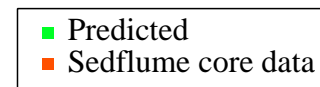
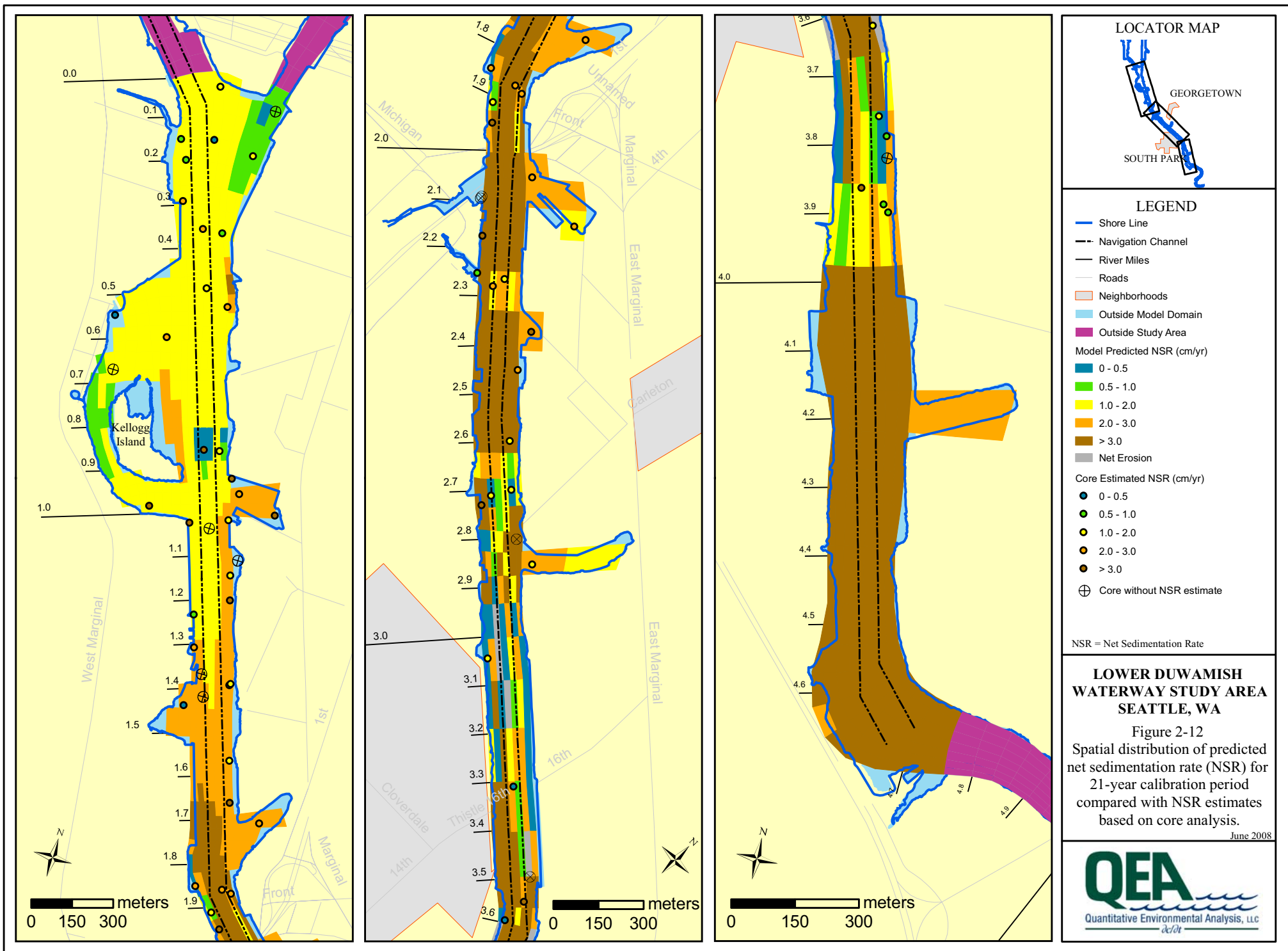
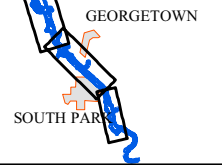


Figure 2-11. Comparison of predicted and observed composition of surface-layer cohesive sediment in the LDW (RM 0-4.3). Predicted composition is average value for 21-year calibration period.





LOCATOR MAP



LEGEND

- Shore Line
- - - Navigation Channel
- River Miles
- Roads
- Neighborhoods
- Outside Model Domain
- Outside Study Area
- Model Predicted NSR (cm/yr)
- 0 - 0.5
- 0.5 - 1.0
- 1.0 - 2.0
- 2.0 - 3.0
- > 3.0
- Net Erosion
- Core Estimated NSR (cm/yr)
- 0 - 0.5
- 0.5 - 1.0
- 1.0 - 2.0
- 2.0 - 3.0
- > 3.0
- ⊕ Core without NSR estimate

NSR = Net Sedimentation Rate

LOWER DUWAMISH WATERWAY STUDY AREA SEATTLE, WA

Figure 2-12
 Spatial distribution of predicted net sedimentation rate (NSR) for 21-year calibration period compared with NSR estimates based on core analysis.

June 2008



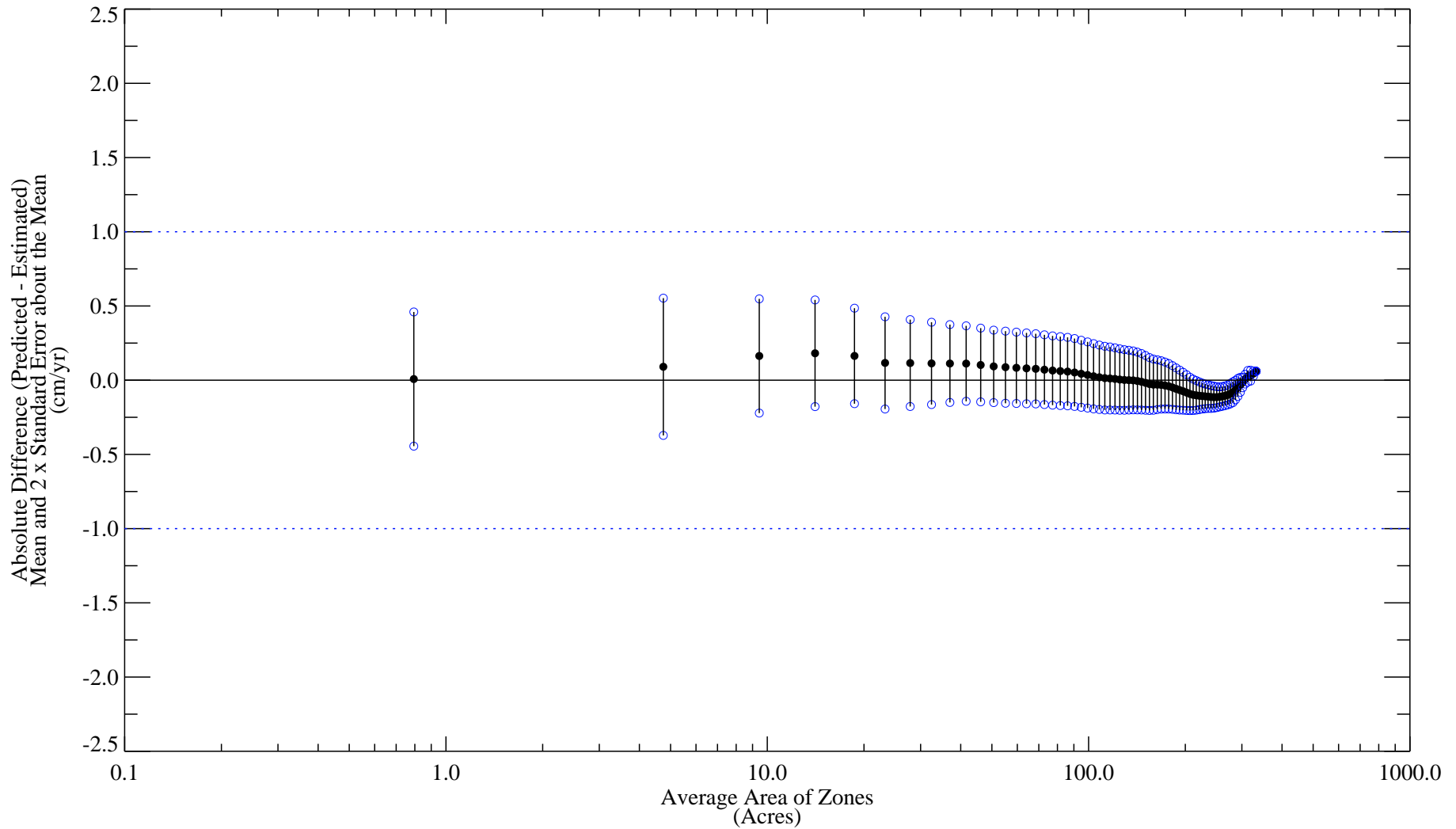


Figure 2-13. Absolute difference in net sedimentation rate for different spatial scale: RM 0 to 4.

The solid dot represents the mean values for given spatial scale.

For given spatial scale, the statistics of the absolute difference in net sedimentation rate (NSR) (predicted - estimated) is calculated as follows.

1. Calculate average NSR value for each zone for given spatial scale based on predicted and empirically-derived estimate of NSR, and create two data sets NSR_{pre_zone} and NSR_{est_zone} respectively.
2. Calculate statistics (mean, median, standard error and standard deviation) of NSR_{pre_zone} and NSR_{est_zone} .
3. The final mean or median of the absolute difference for this spatial scale is then calculated as the difference of the mean or median of the above two data sets.
4. The final 2StdErr or Stdv values for this spatial scale is then calculated as the square root of the sum of the 2StdErr square or Stdv square from the two data sets..

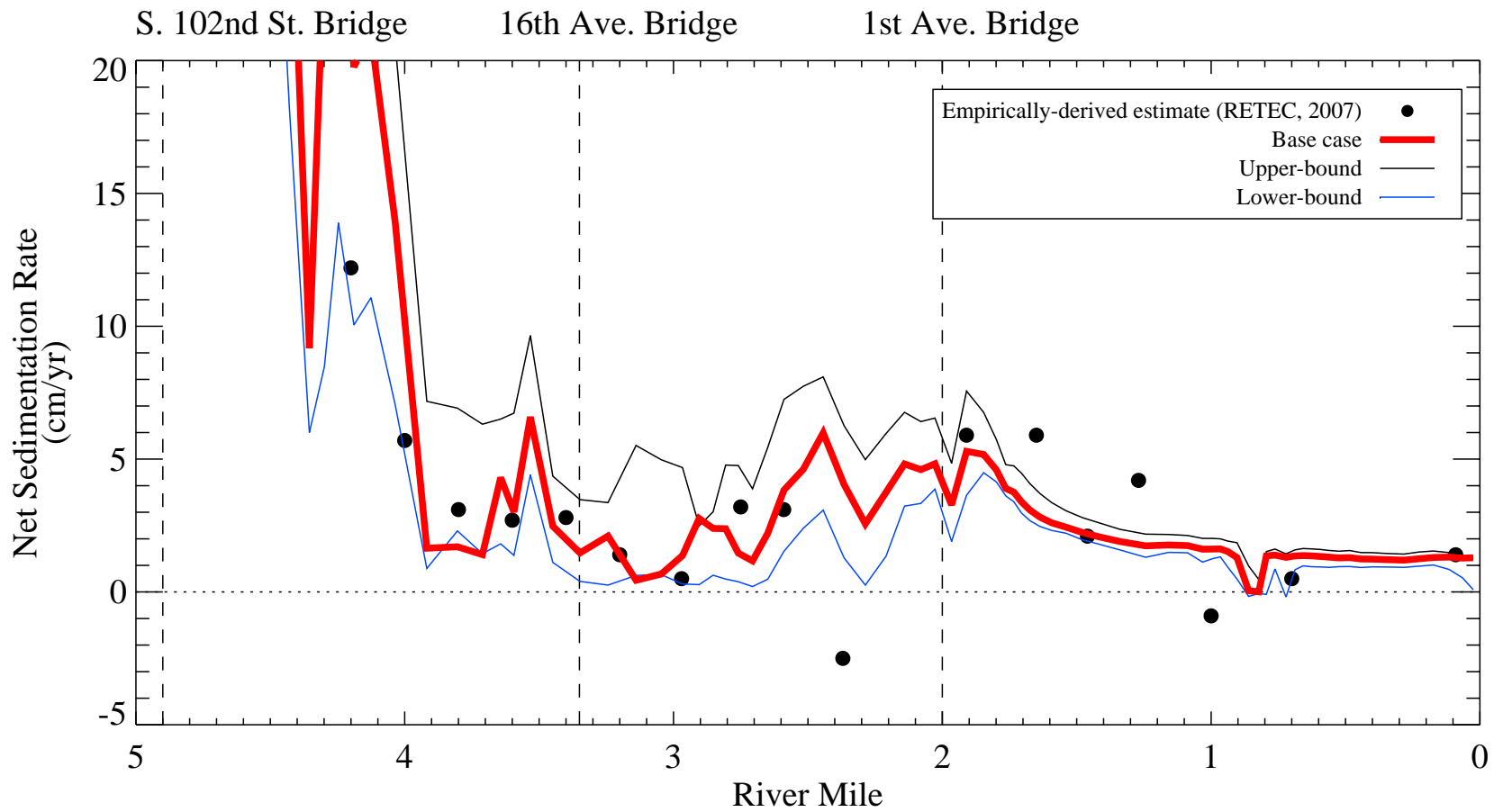


Figure 2-14. Comparison of predicted and empirically-derived estimates of net sedimentation rates in the navigation channel for 21-year calibration period.

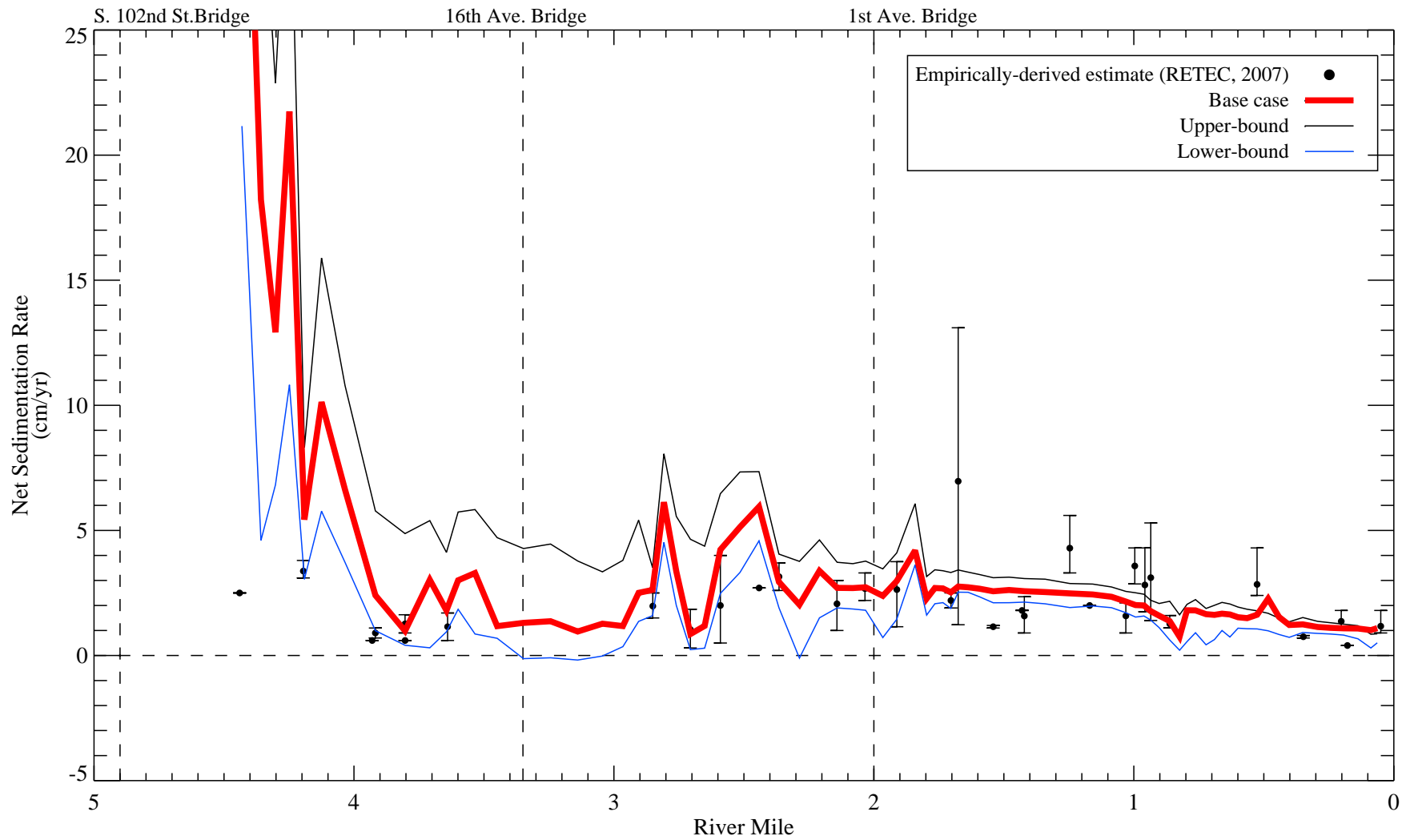


Figure 2-15. Comparison of predicted and empirically-derived estimates of net sedimentation rates in the east bench for 21-year calibration period.

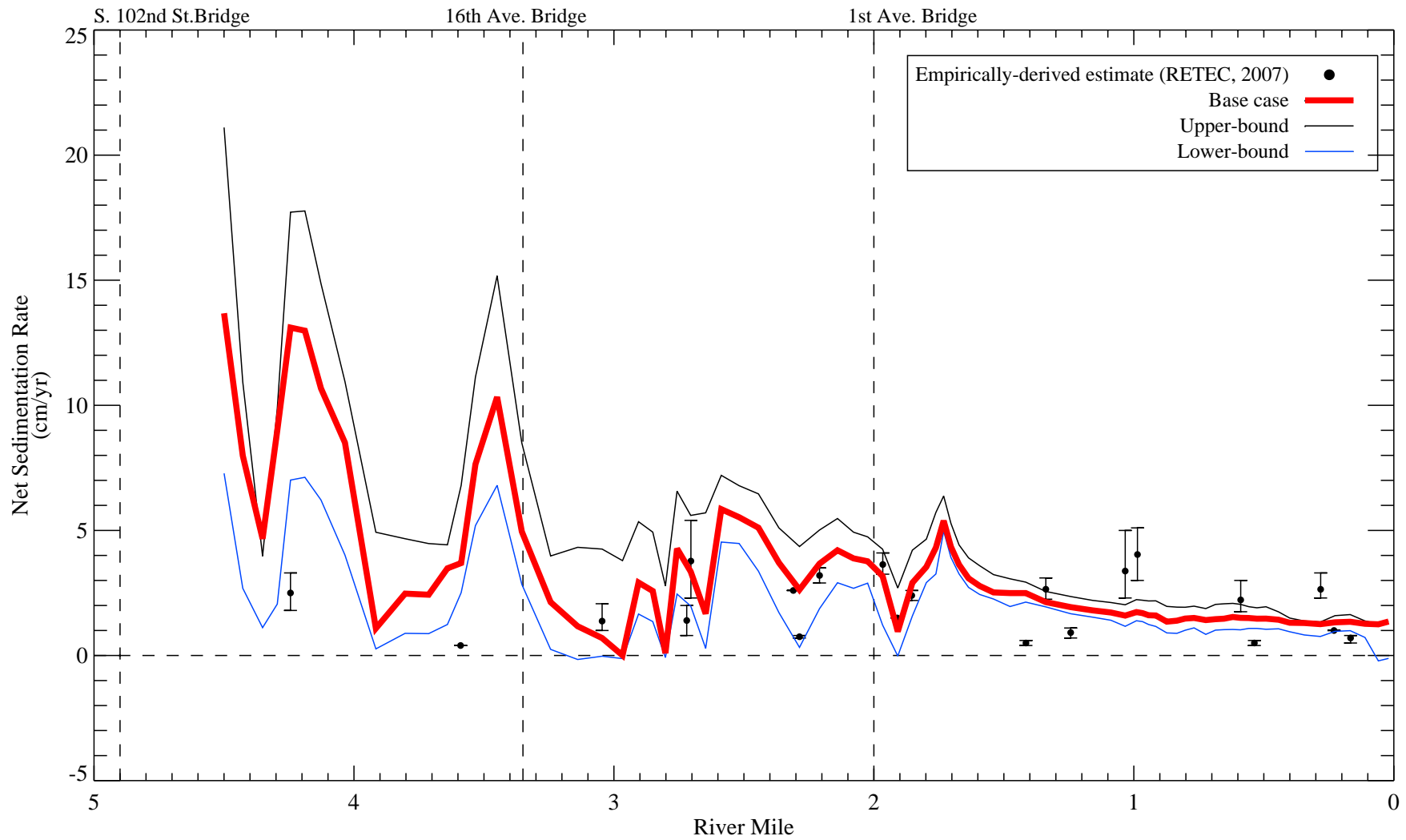


Figure 2-16. Comparison of predicted and empirically-derived estimates of net sedimentation rates in the west bench for 21-year calibration period.