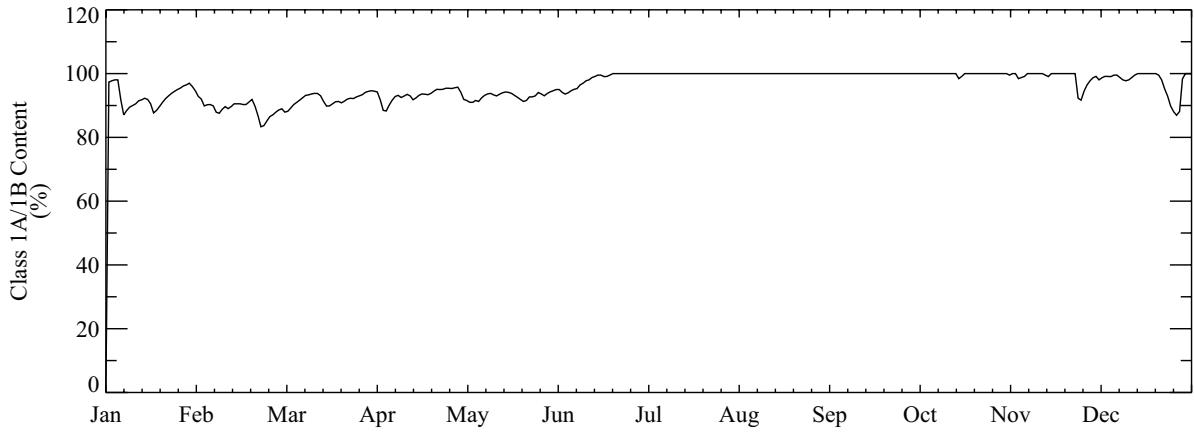
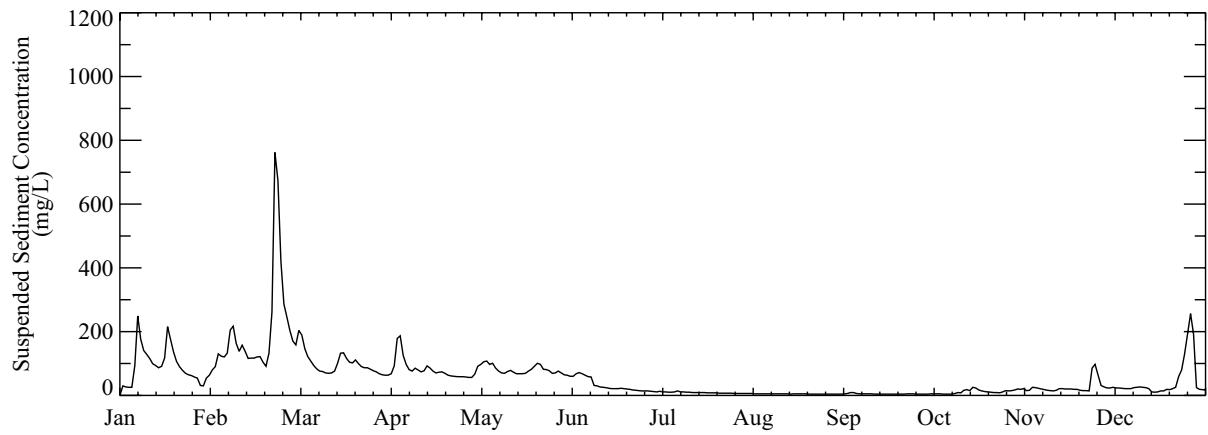
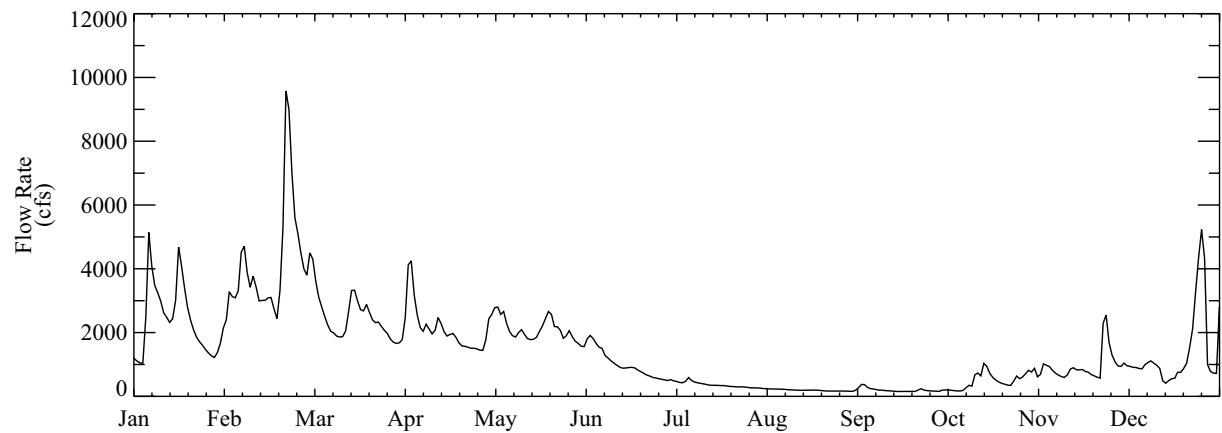
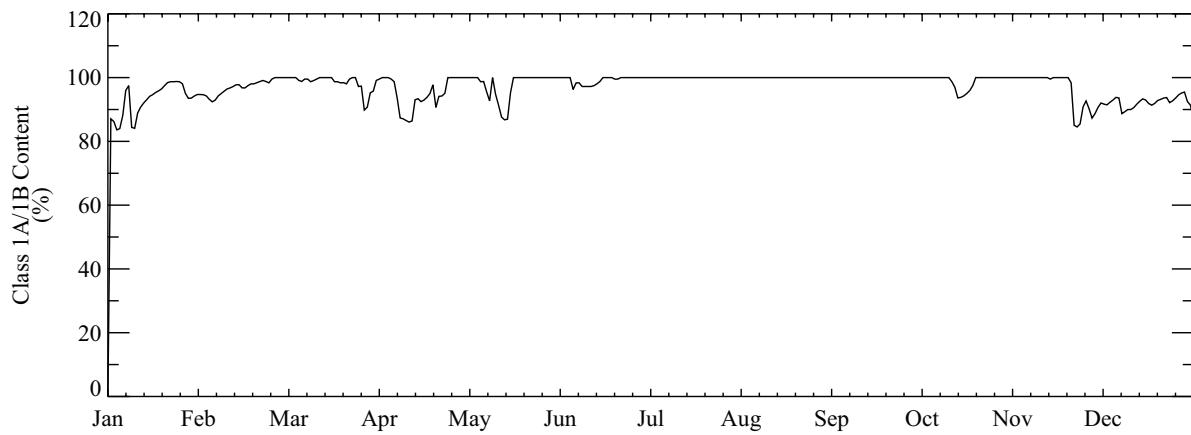
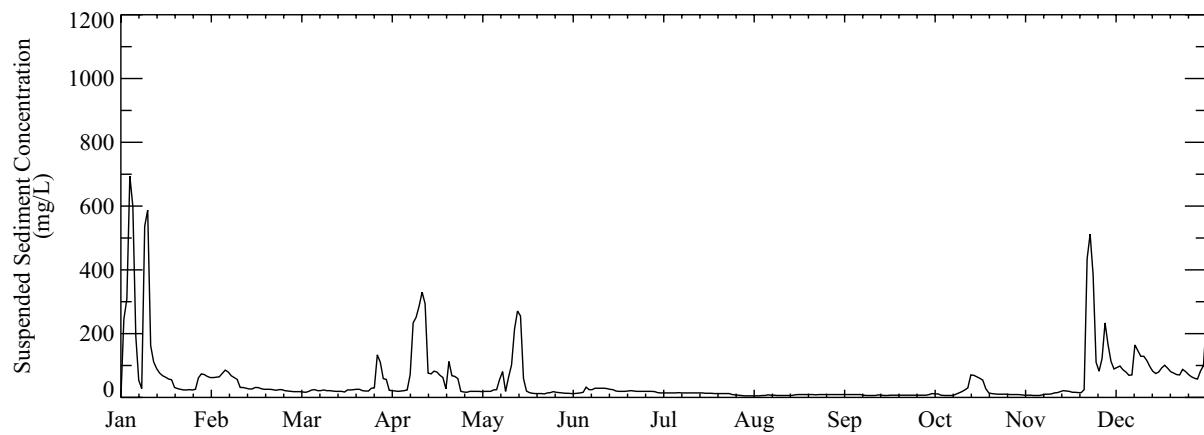
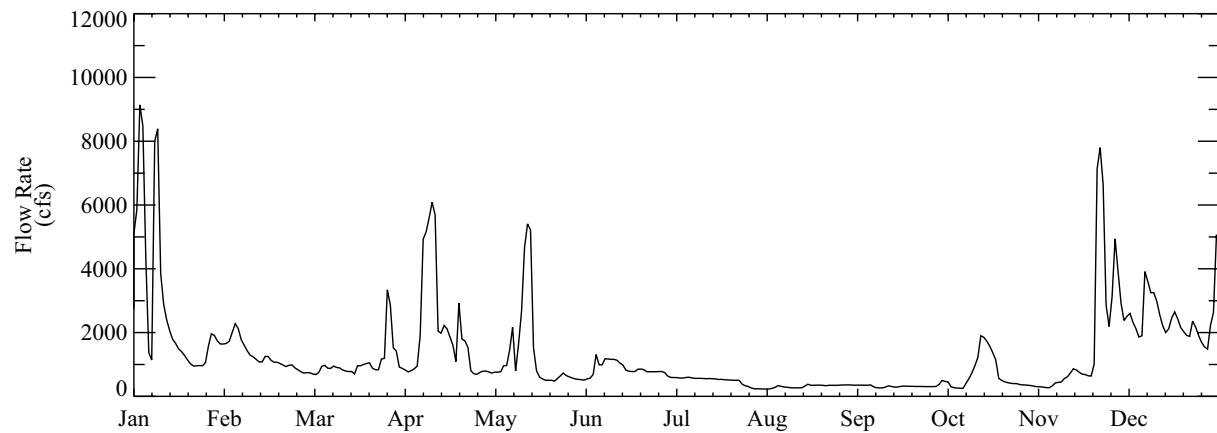


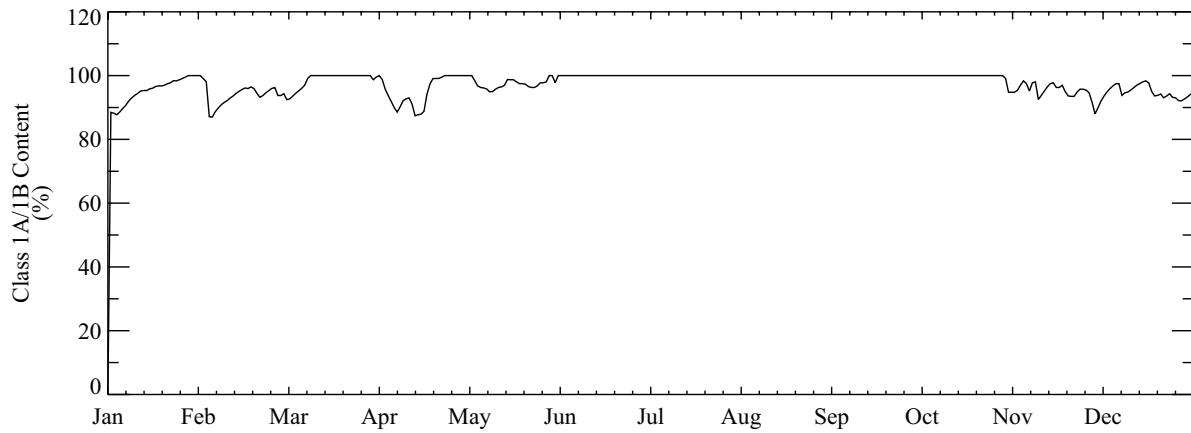
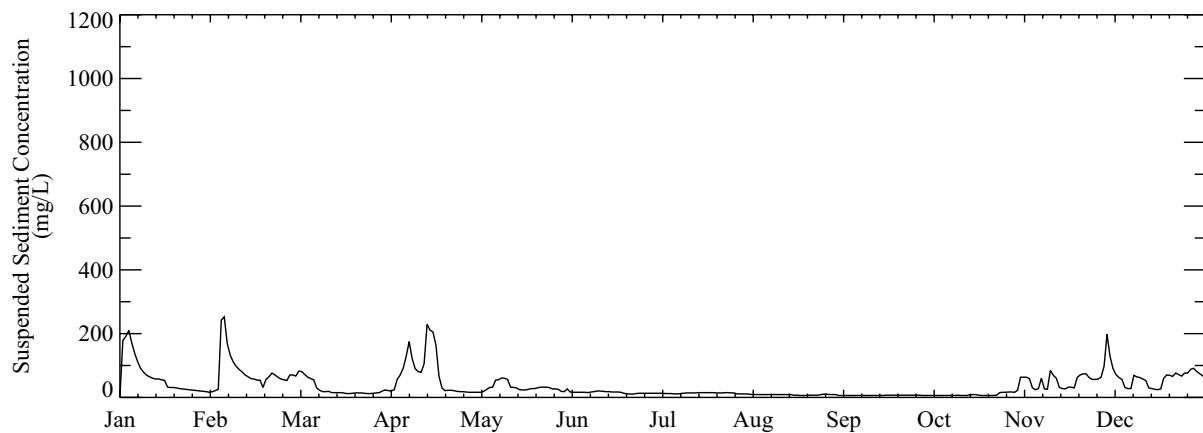
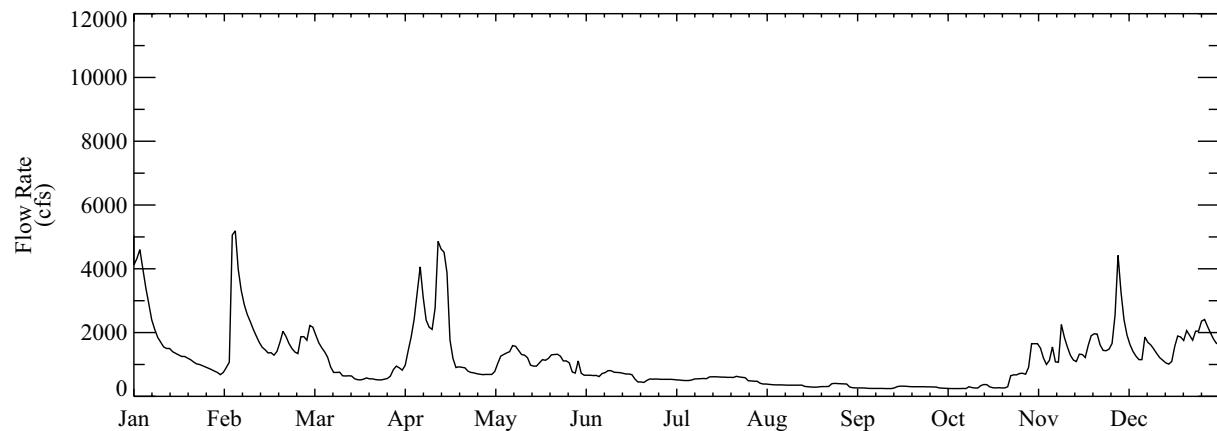
**Figure D-1. Time series of flow rate, suspended sediment concentration, and class 1A/1B content at upstream boundary: 1960.**



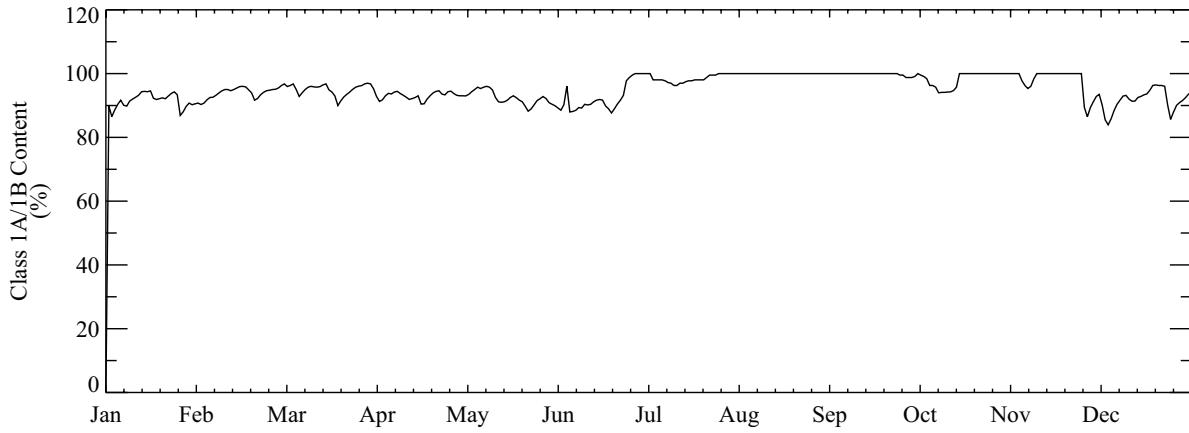
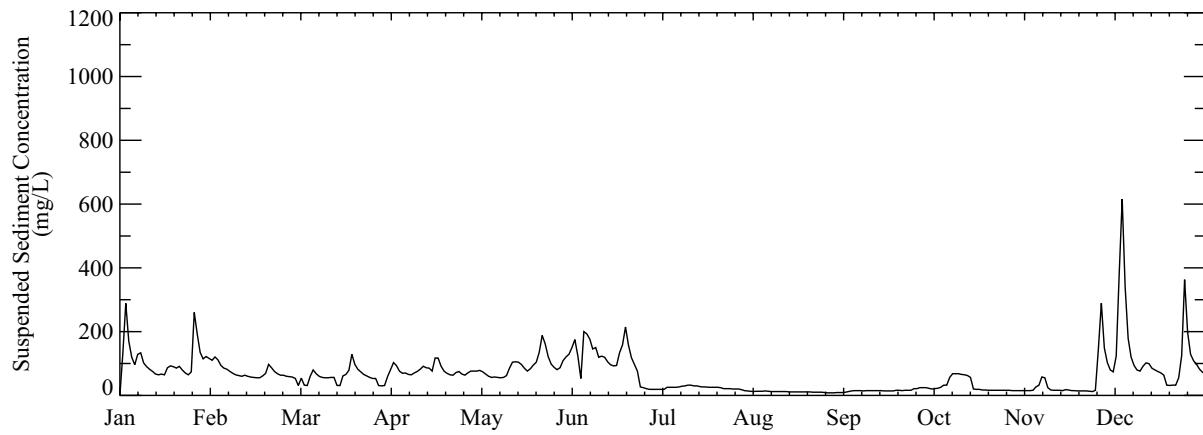
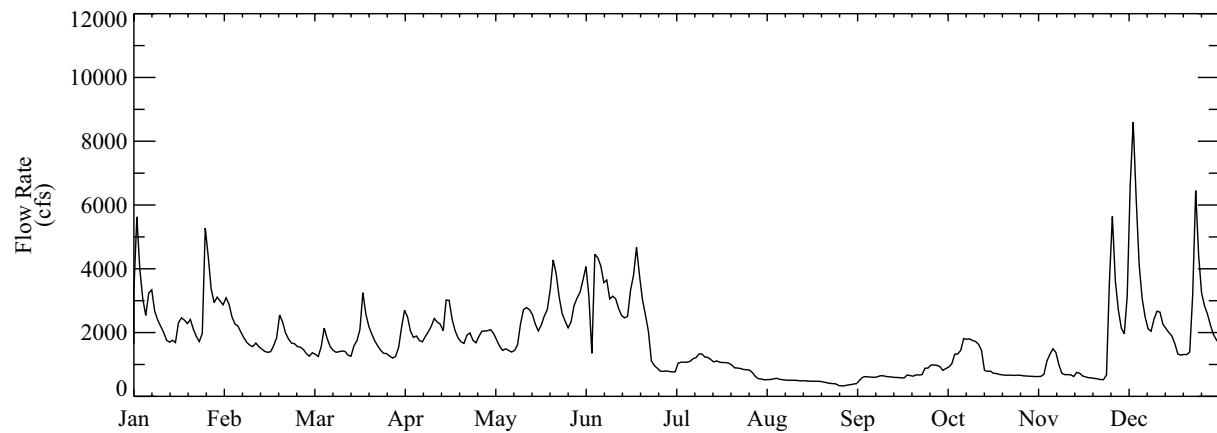
**Figure D-2. Time series of flow rate, suspended sediment concentration, and class 1A/1B content at upstream boundary: 1961.**



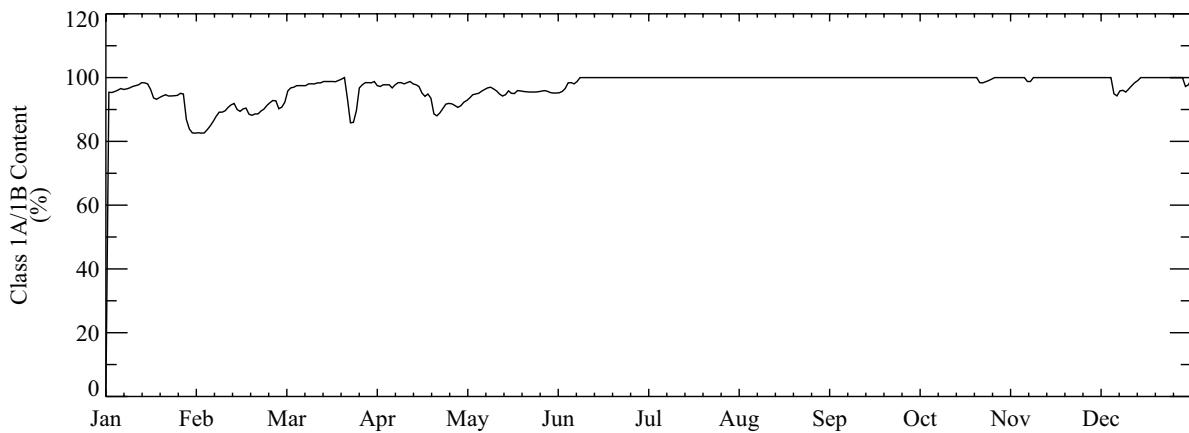
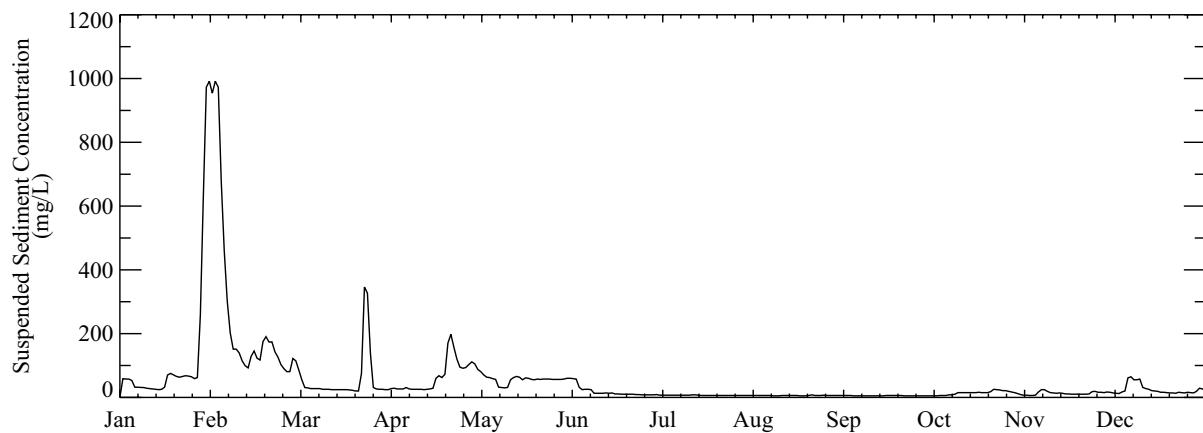
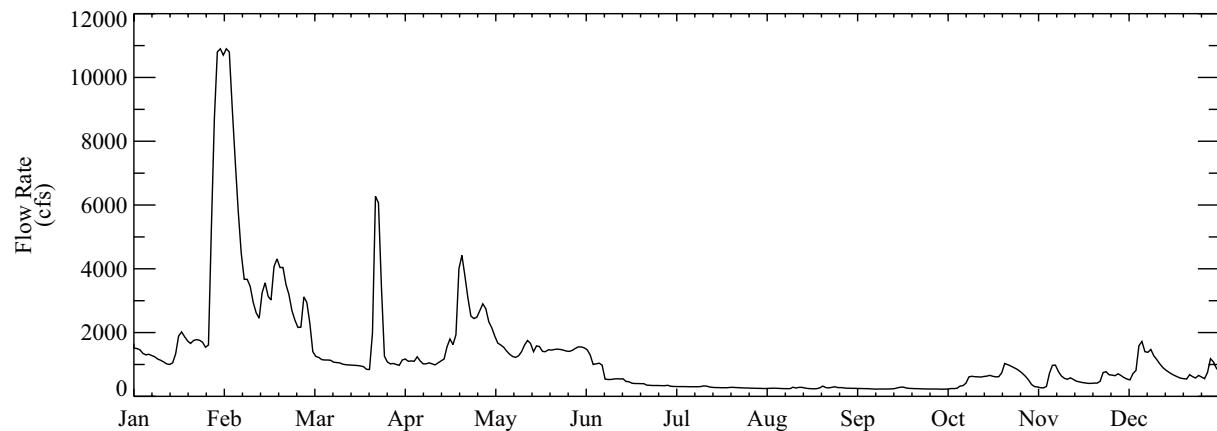
**Figure D-3. Time series of flow rate, suspended sediment concentration, and class 1A/1B content at upstream boundary: 1962.**



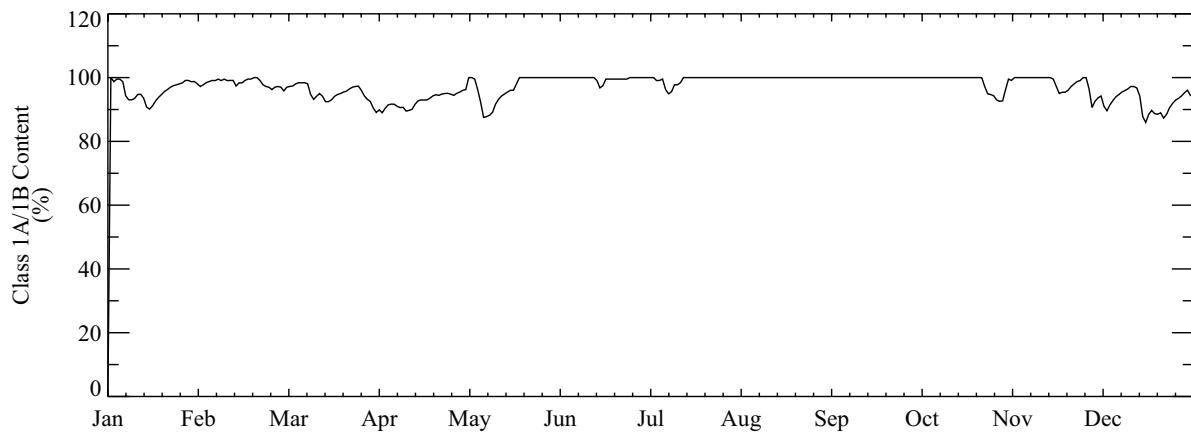
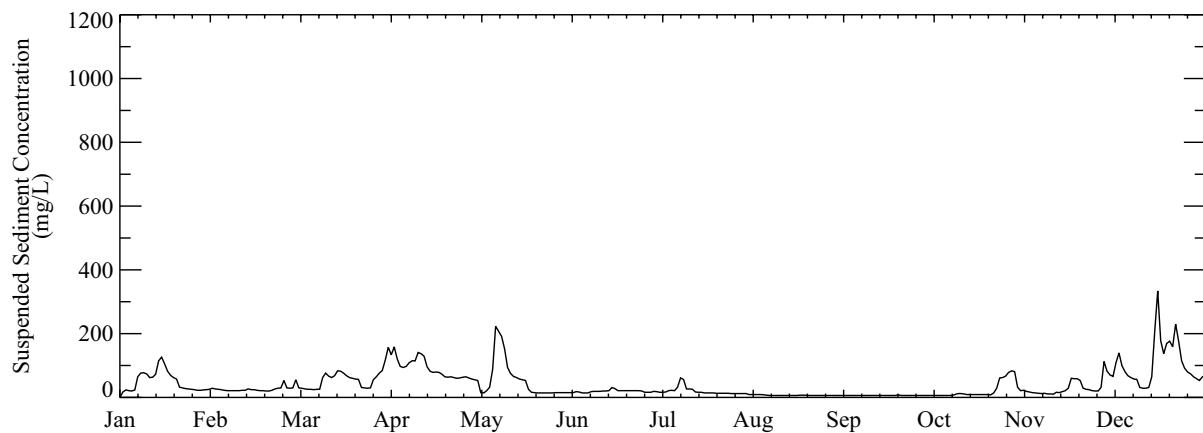
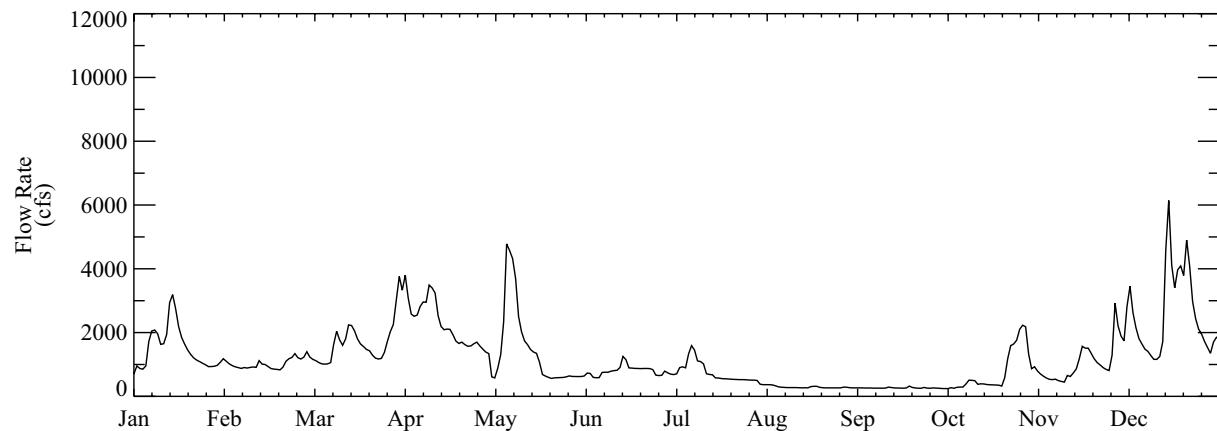
**Figure D-4. Time series of flow rate, suspended sediment concentration, and class 1A/1B content at upstream boundary: 1963.**



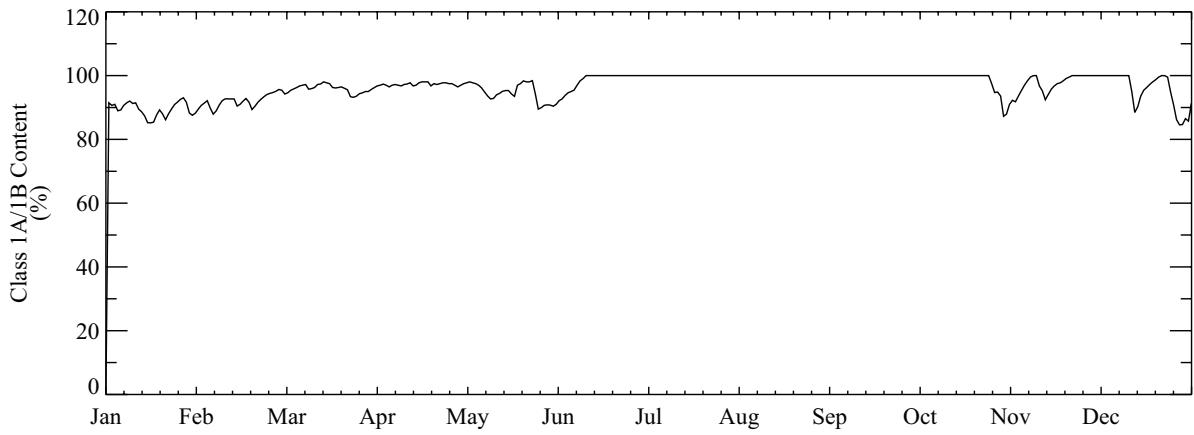
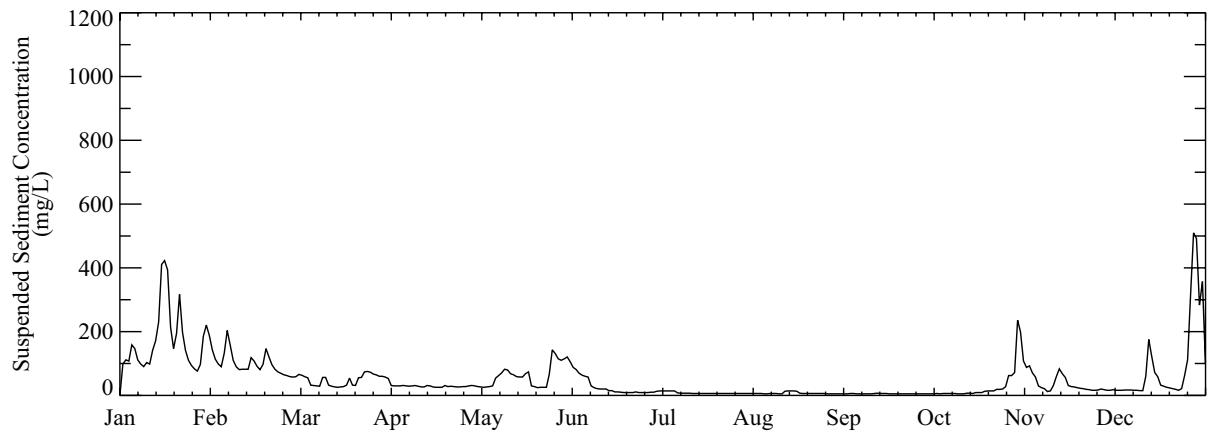
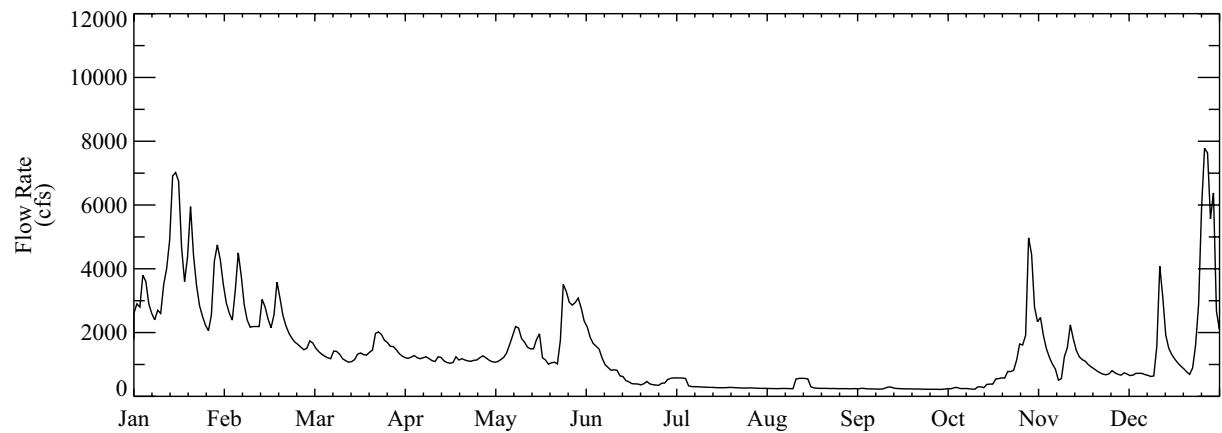
**Figure D-5. Time series of flow rate, suspended sediment concentration, and class 1A/1B content at upstream boundary: 1964.**



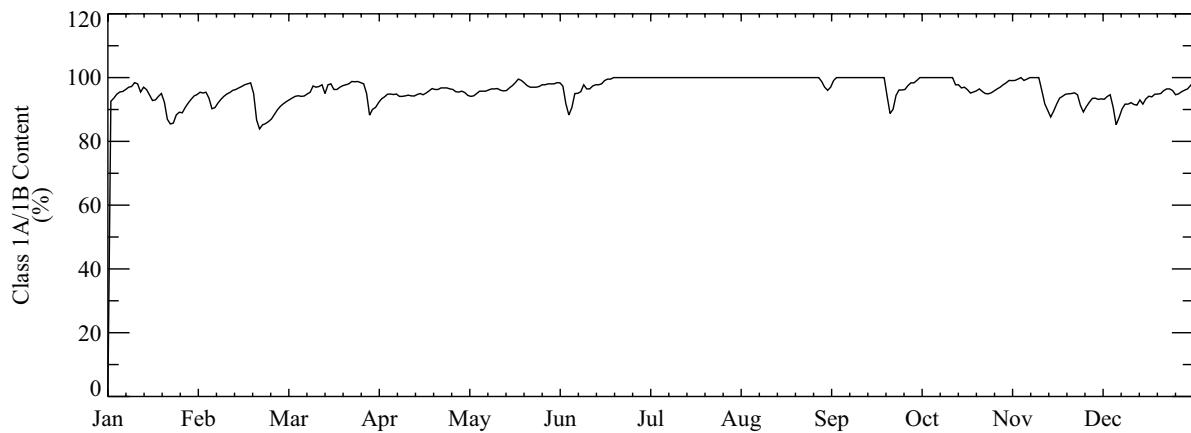
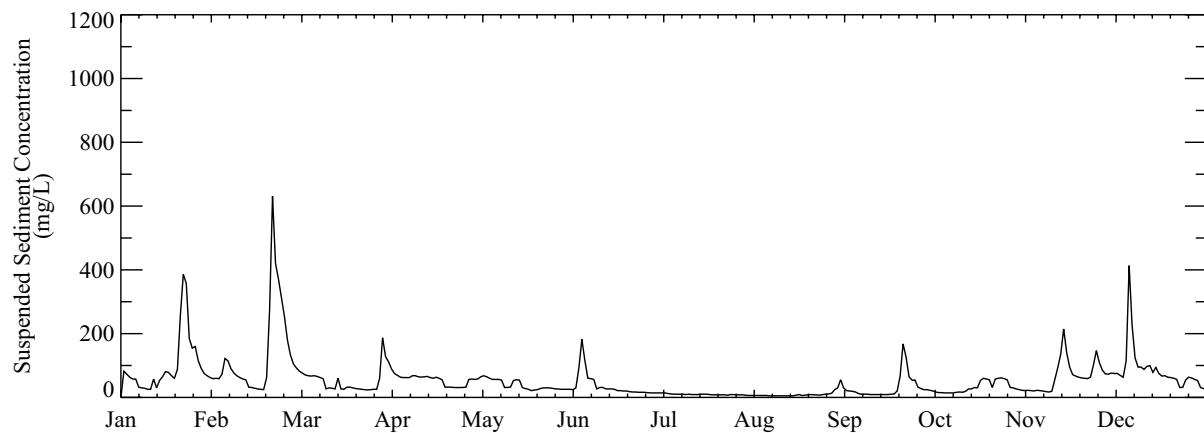
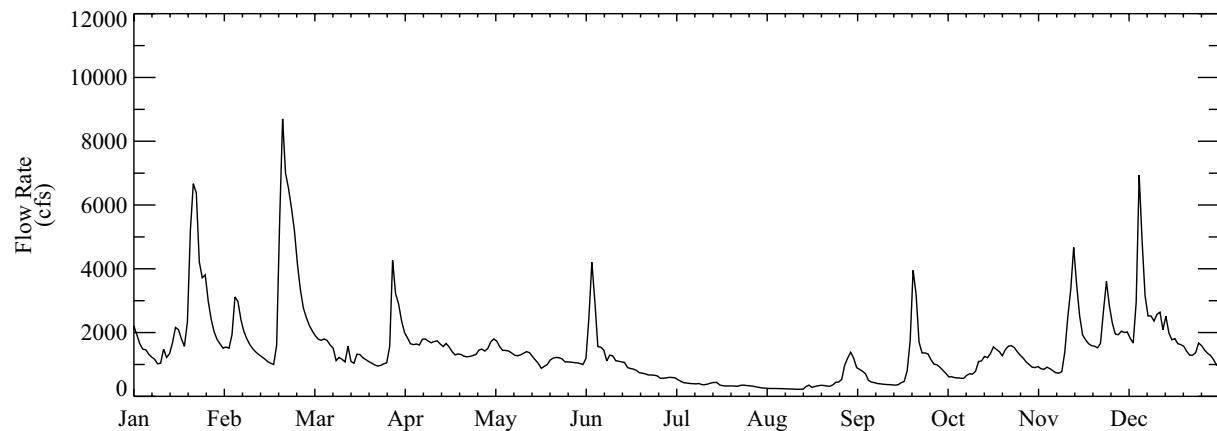
**Figure D-6. Time series of flow rate, suspended sediment concentration, and class 1A/1B content at upstream boundary: 1965.**



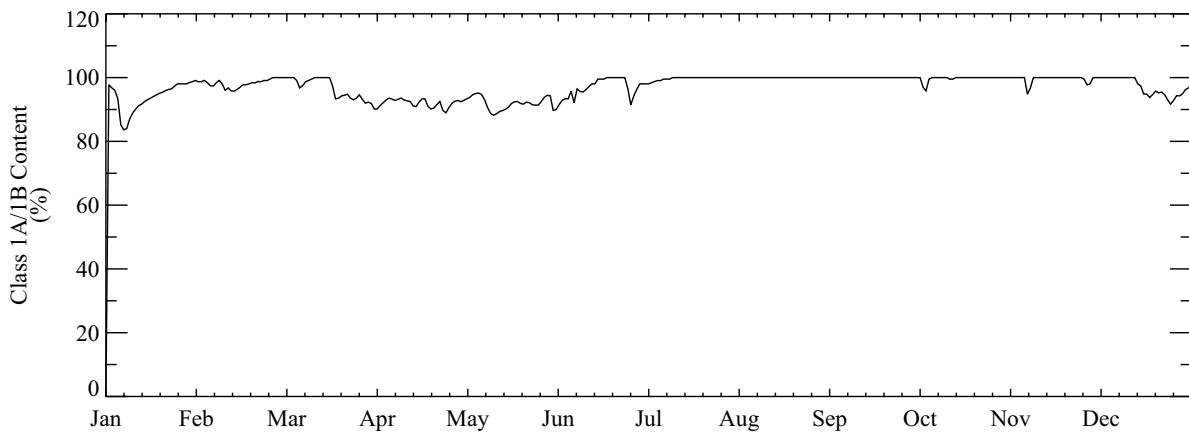
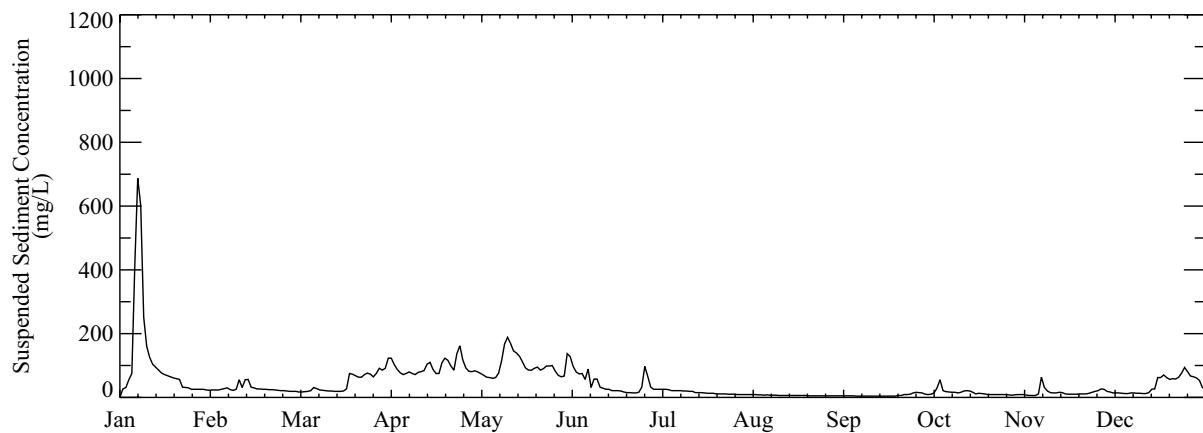
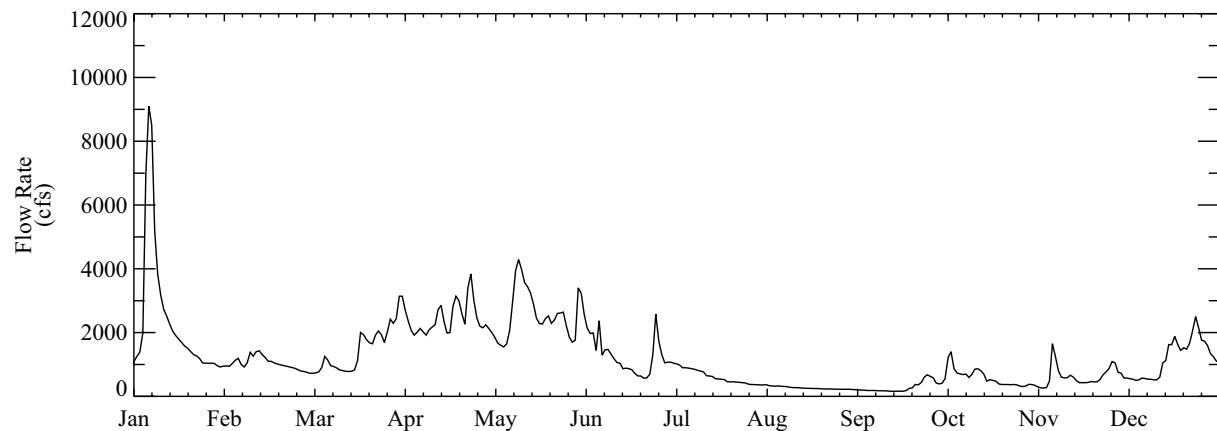
**Figure D-7. Time series of flow rate, suspended sediment concentration, and class 1A/1B content at upstream boundary: 1966.**



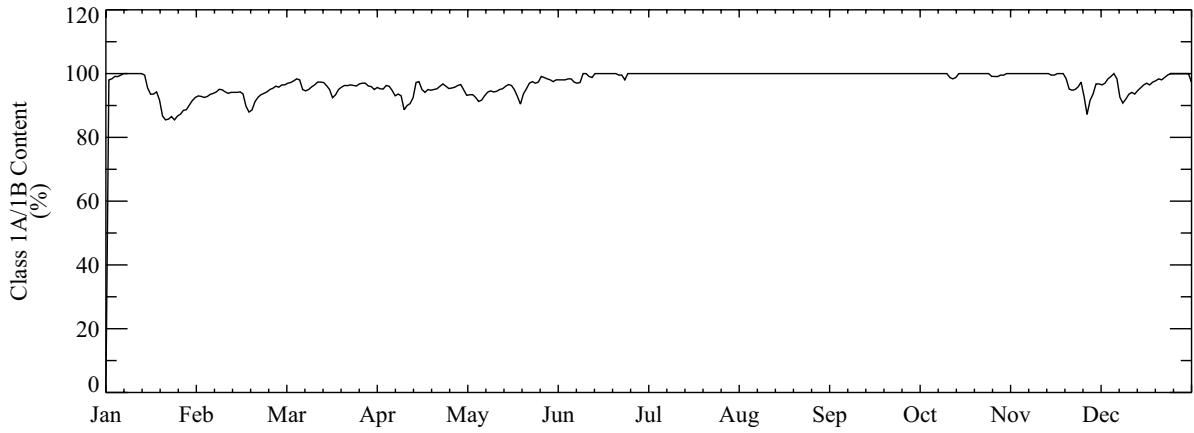
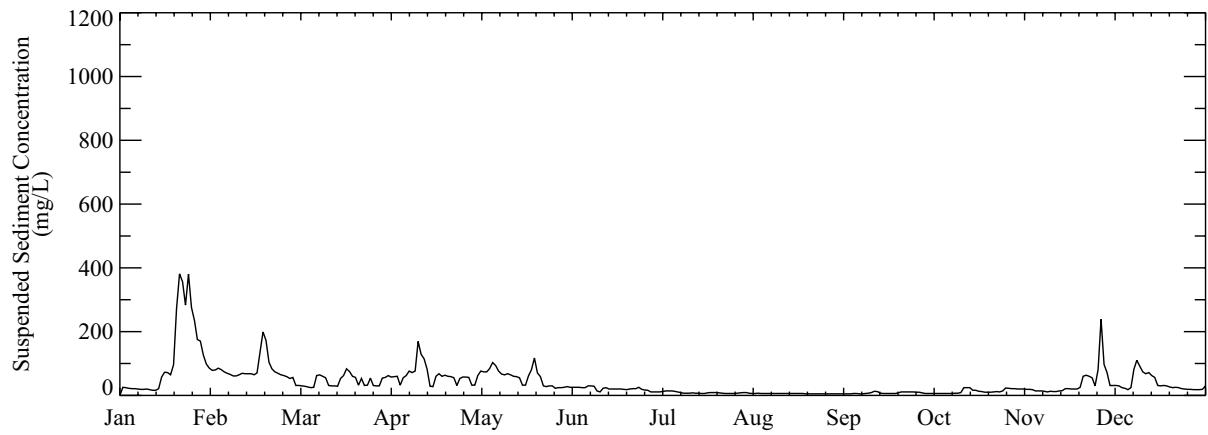
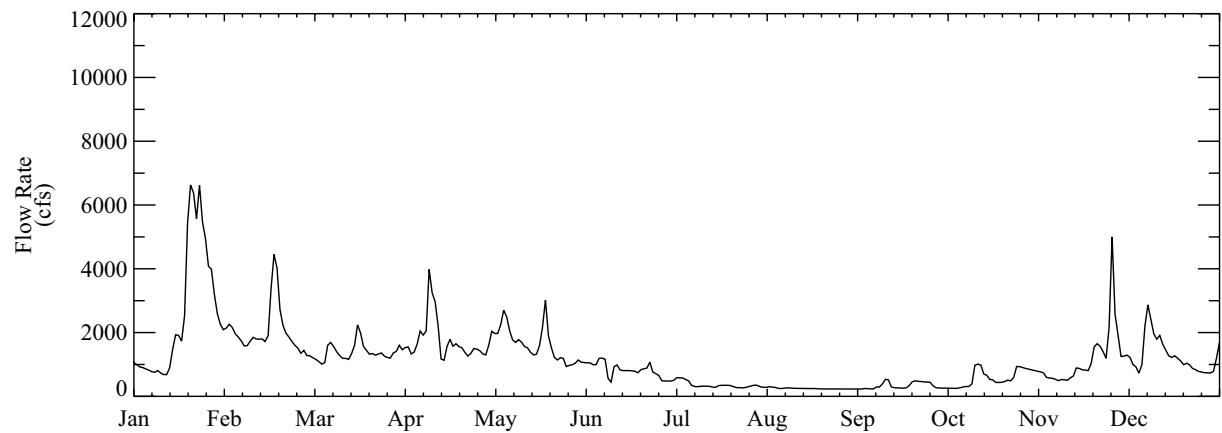
**Figure D-8. Time series of flow rate, suspended sediment concentration, and class 1A/1B content at upstream boundary: 1967.**



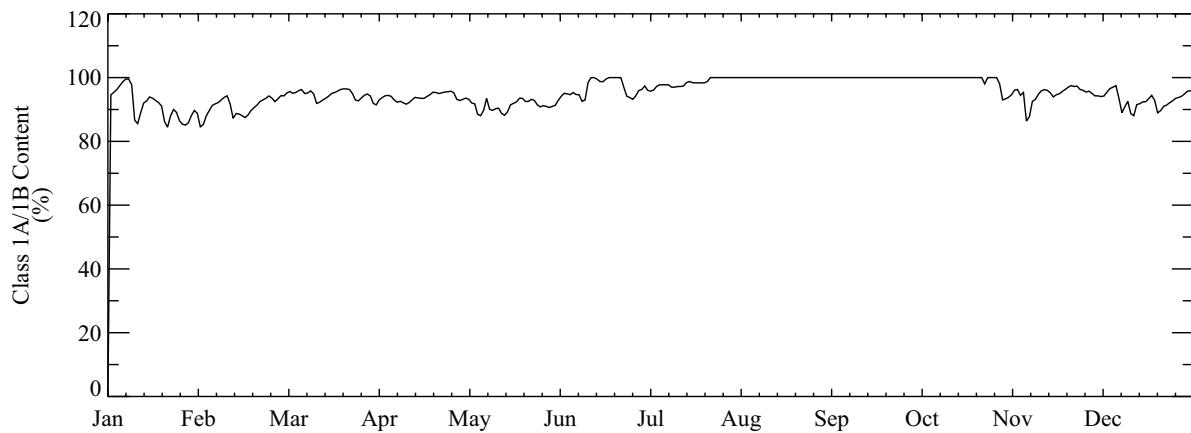
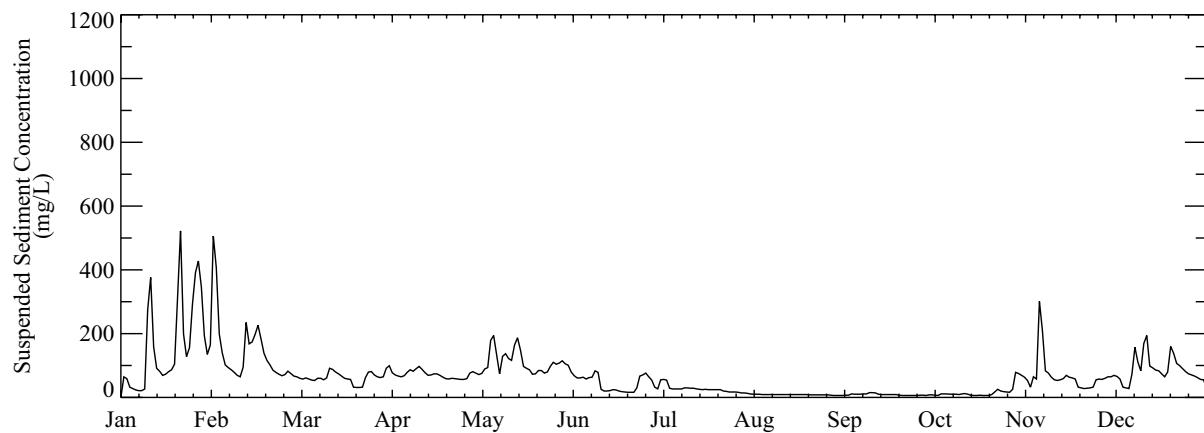
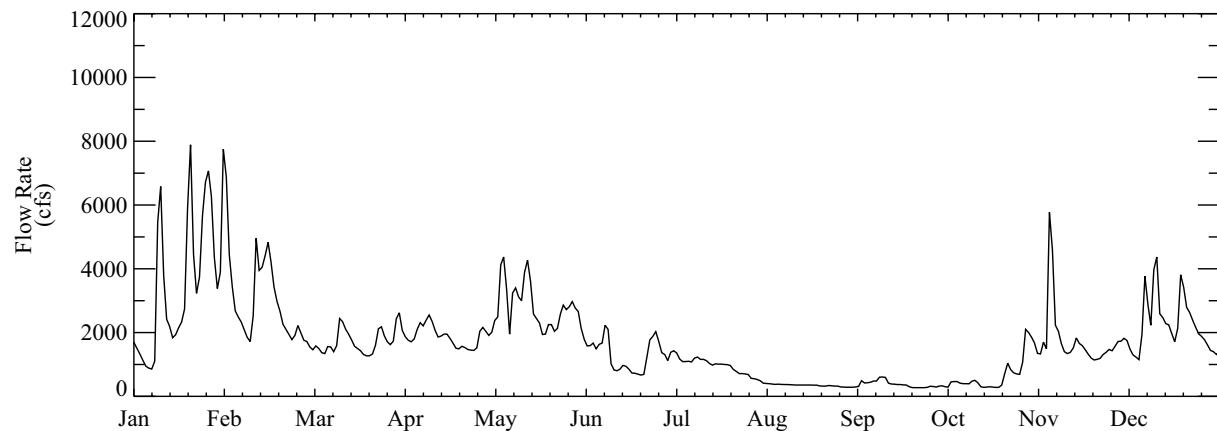
**Figure D-9. Time series of flow rate, suspended sediment concentration, and class 1A/1B content at upstream boundary: 1968.**



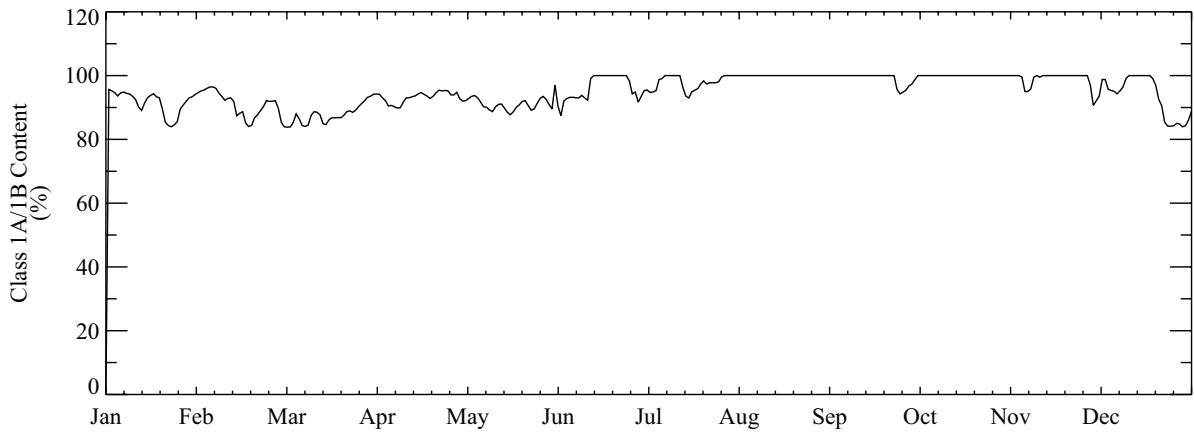
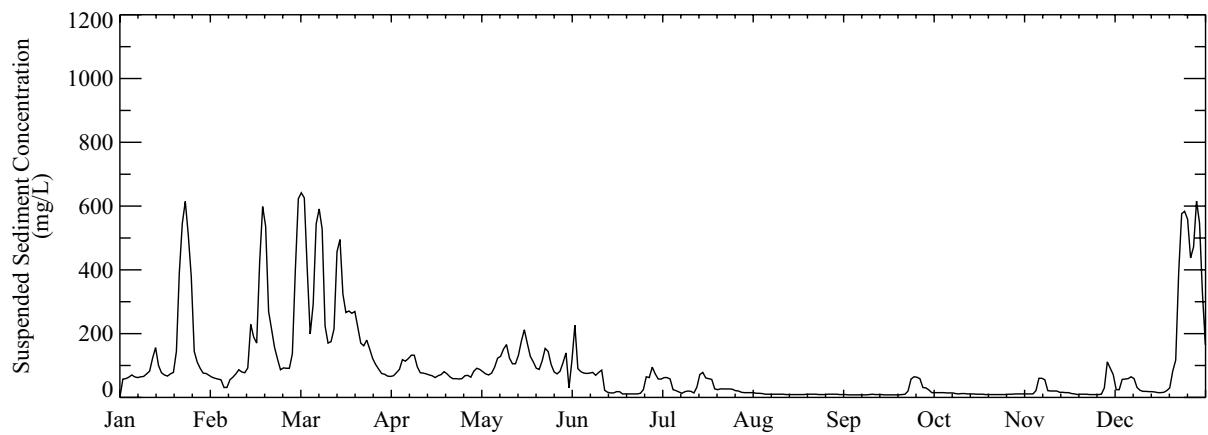
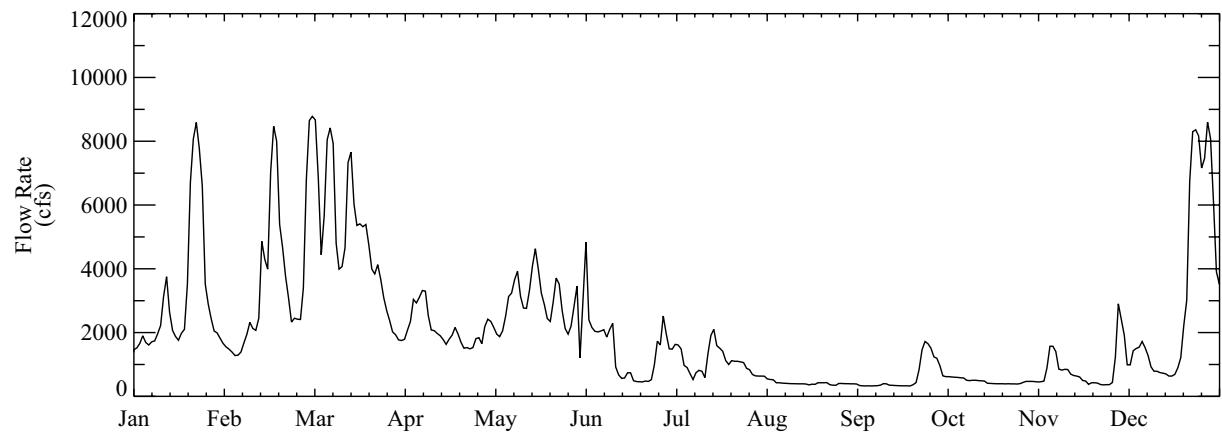
**Figure D-10. Time series of flow rate, suspended sediment concentration, and class 1A/1B content at upstream boundary: 1969.**



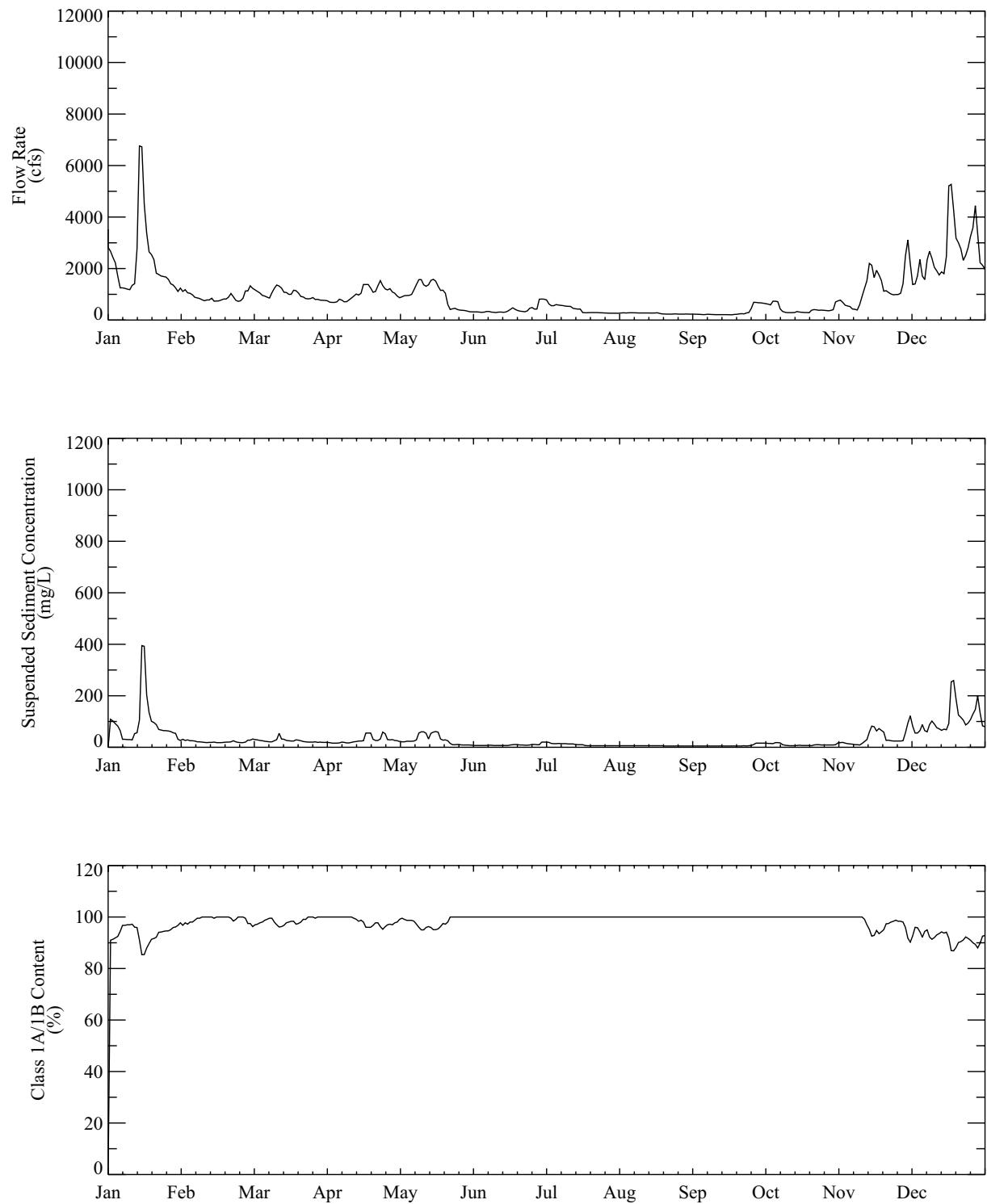
**Figure D-11. Time series of flow rate, suspended sediment concentration, and class 1A/1B content at upstream boundary: 1970.**



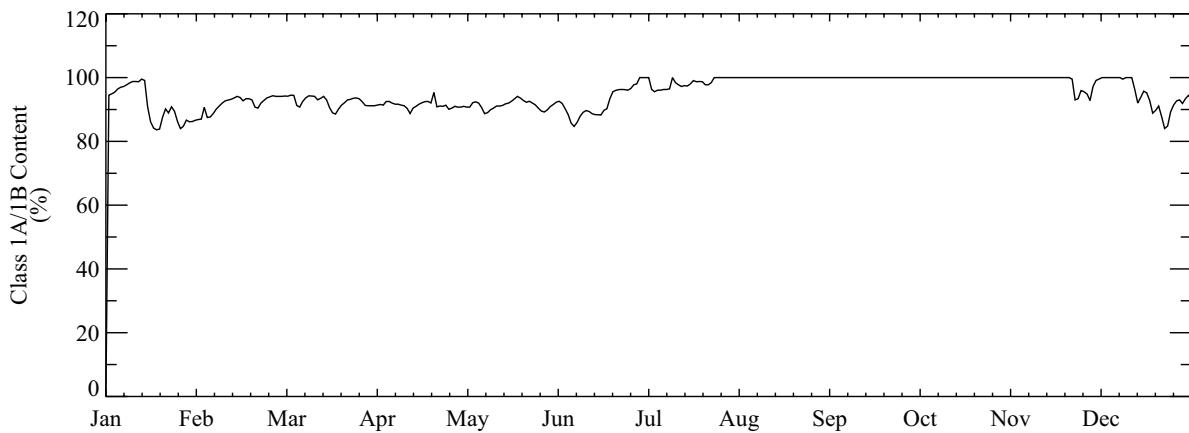
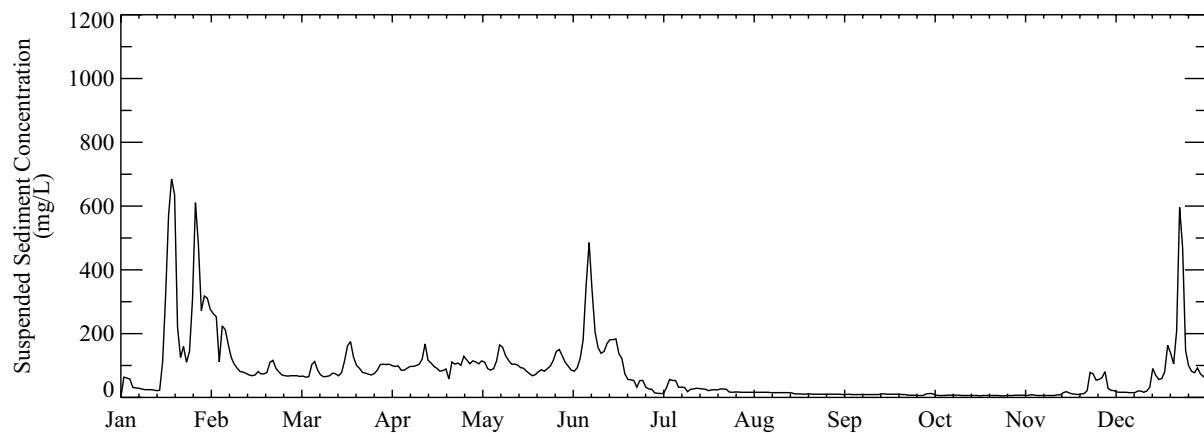
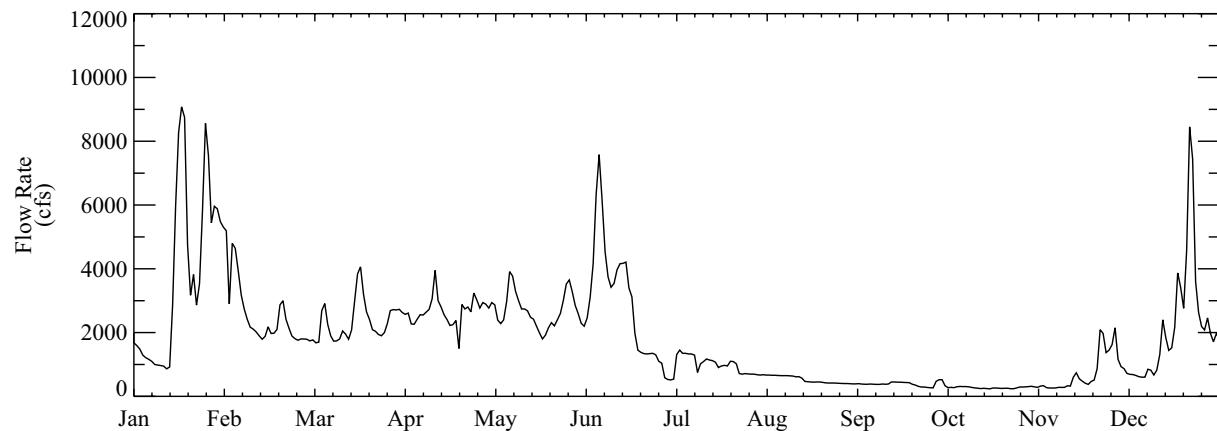
**Figure D-12. Time series of flow rate, suspended sediment concentration, and class 1A/1B content at upstream boundary: 1971.**



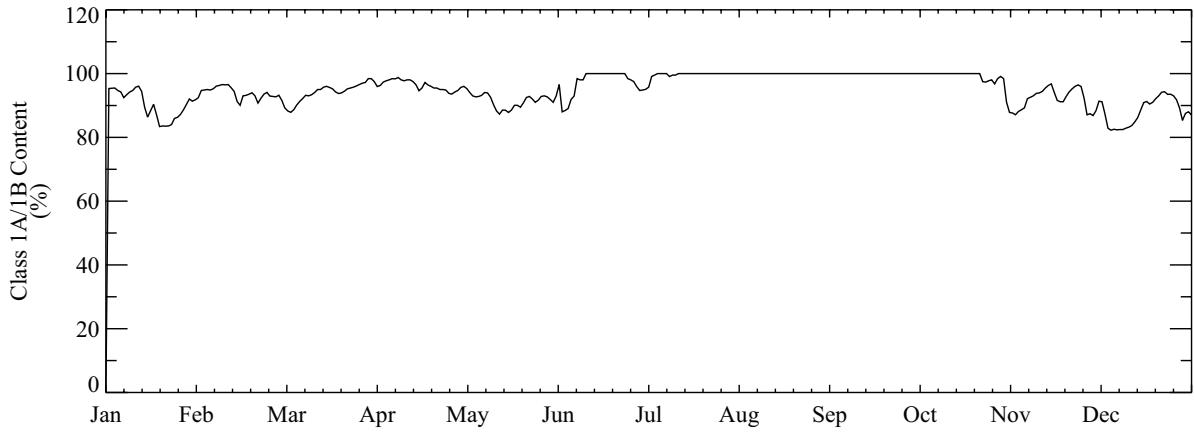
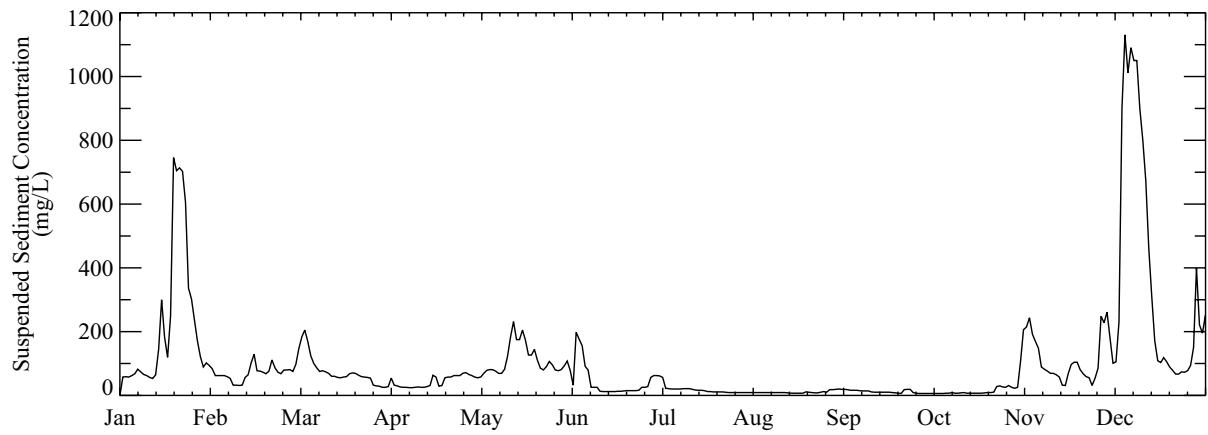
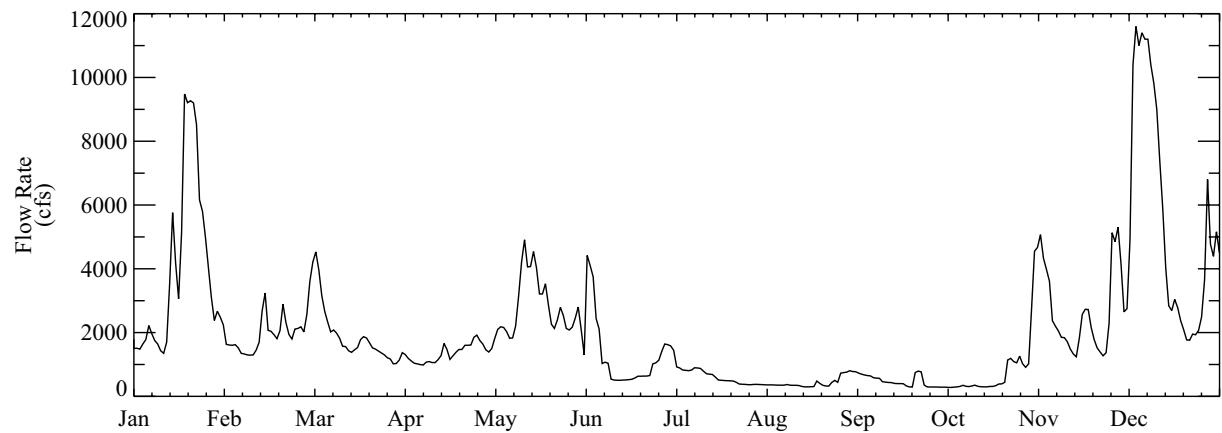
**Figure D-13. Time series of flow rate, suspended sediment concentration, and class 1A/1B content at upstream boundary: 1972.**



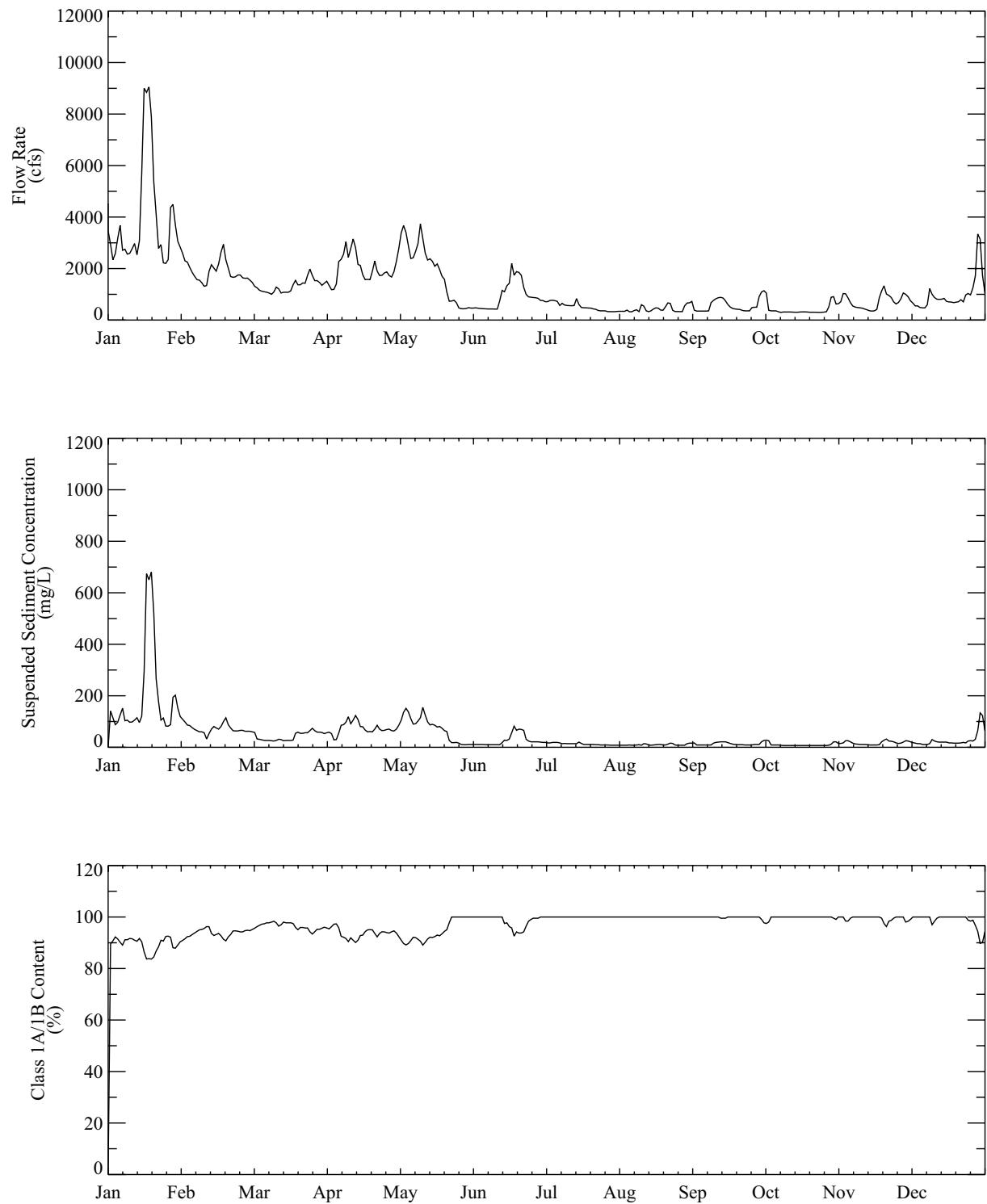
**Figure D-14. Time series of flow rate, suspended sediment concentration, and class 1A/1B content at upstream boundary: 1973.**



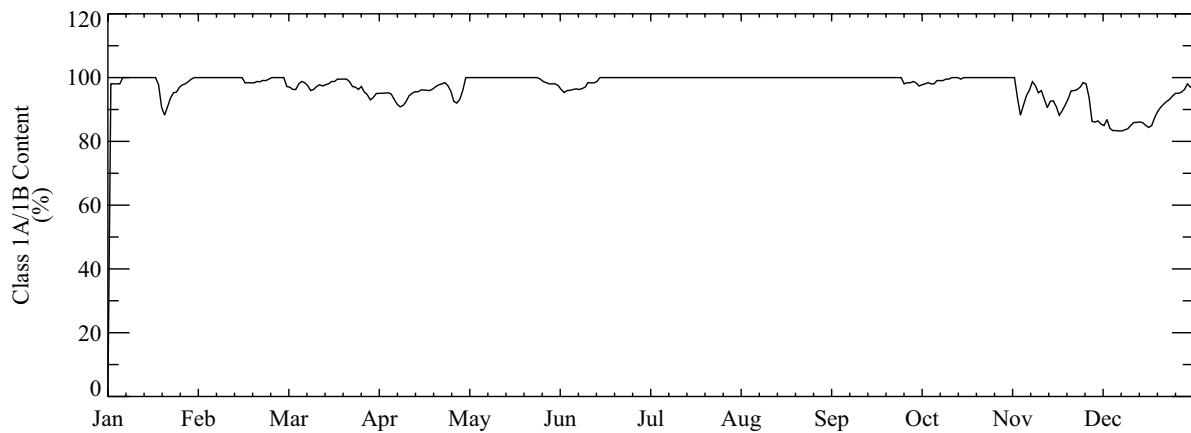
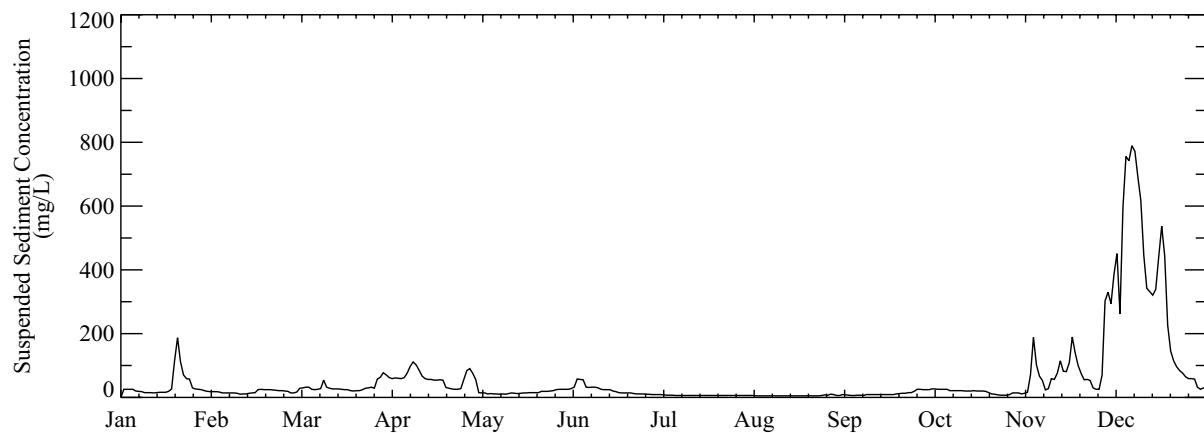
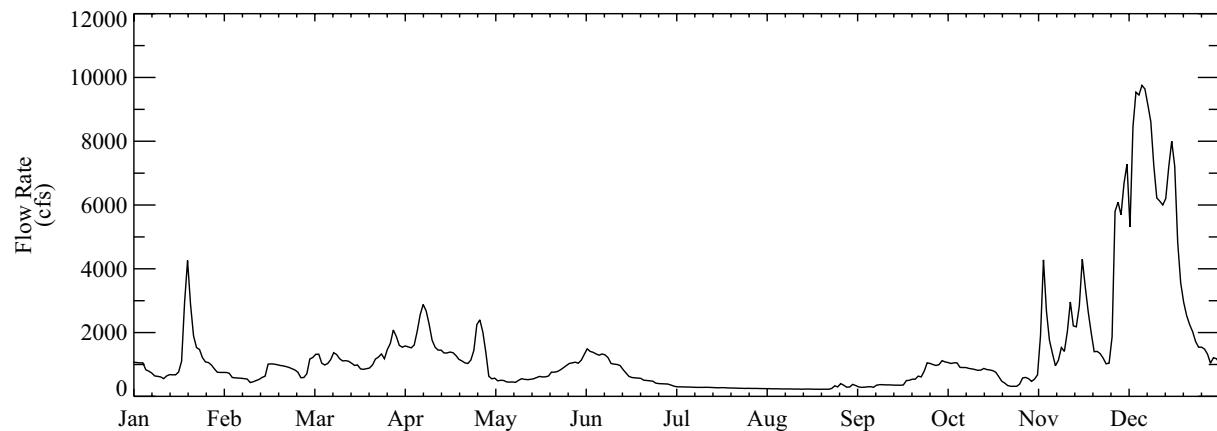
**Figure D-15. Time series of flow rate, suspended sediment concentration, and class 1A/1B content at upstream boundary: 1974.**



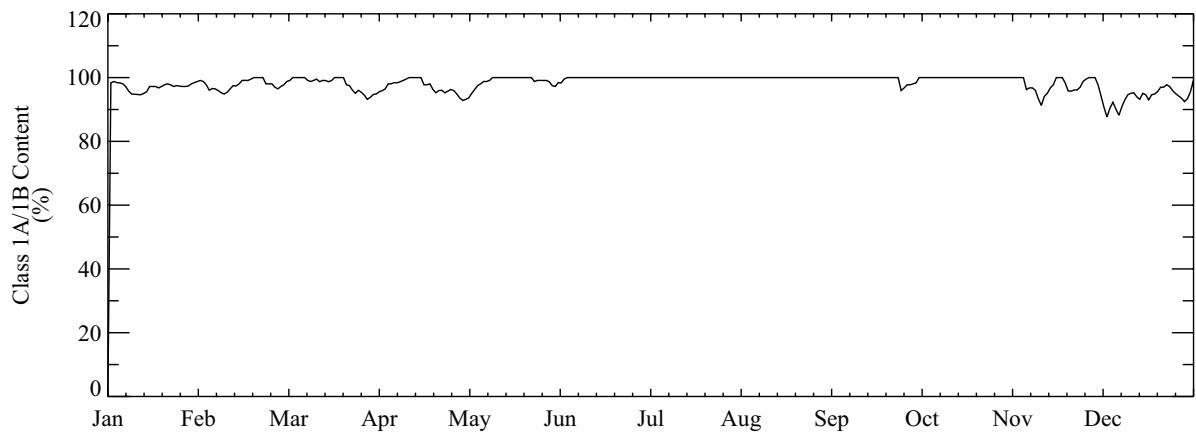
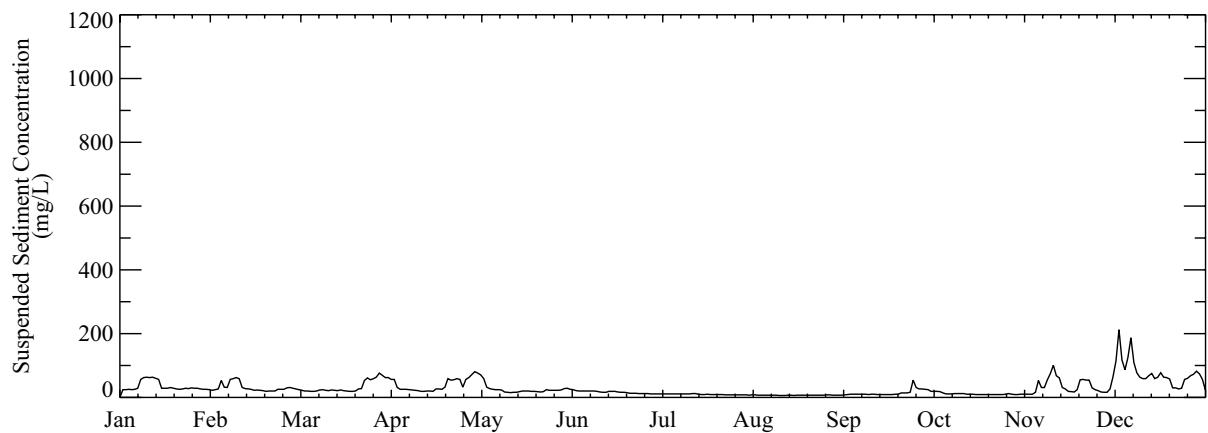
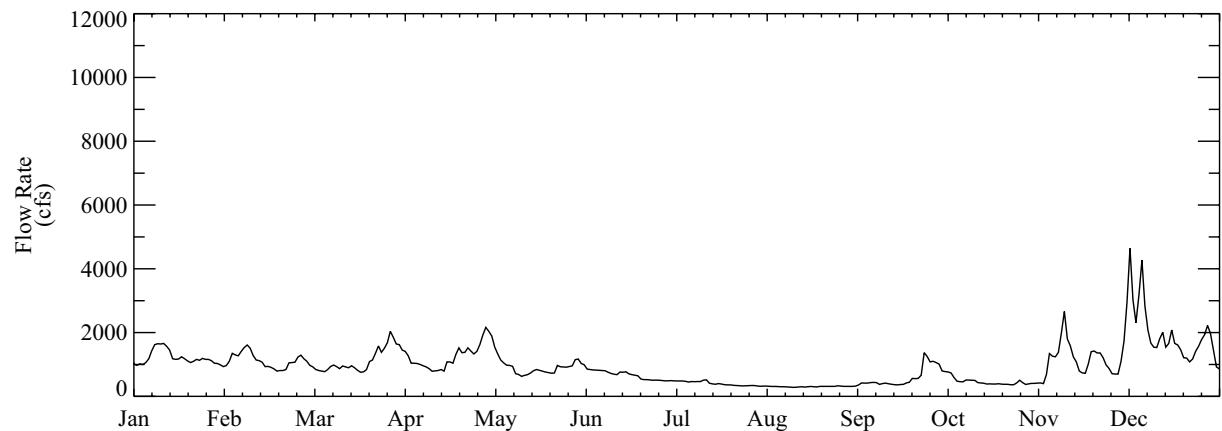
**Figure D-16. Time series of flow rate, suspended sediment concentration, and class 1A/1B content at upstream boundary: 1975.**



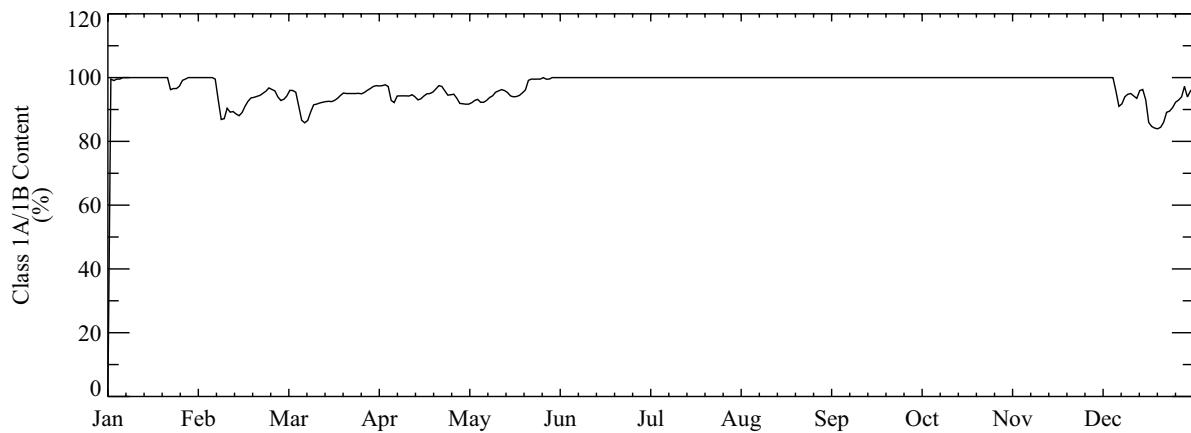
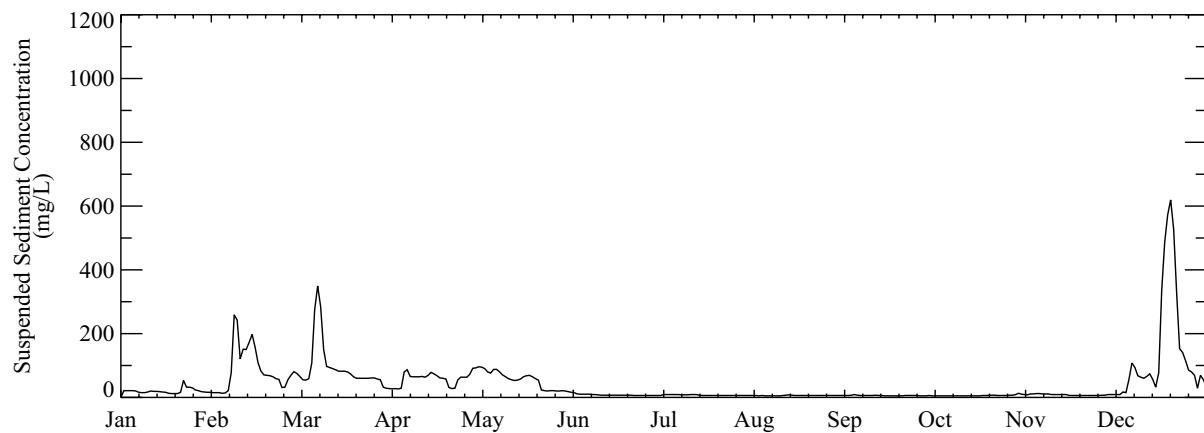
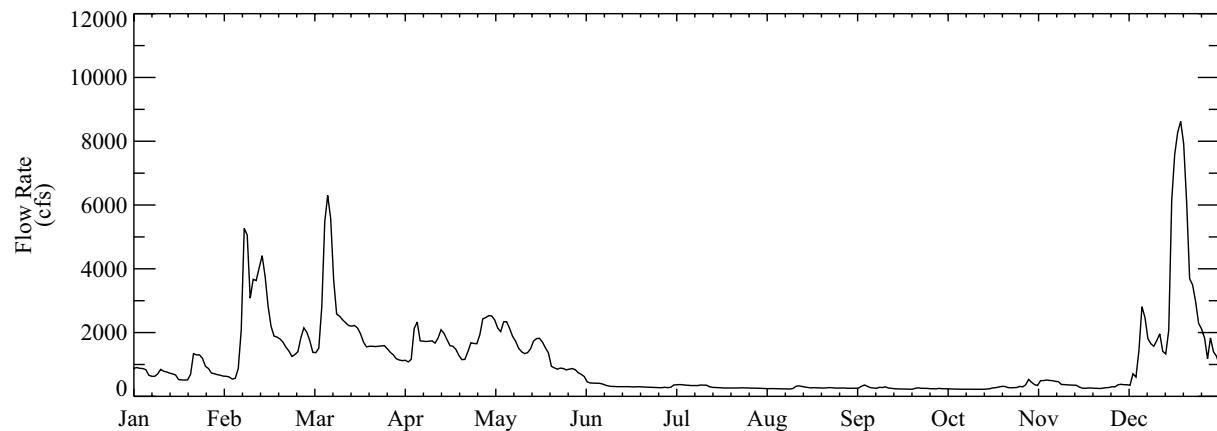
**Figure D-17. Time series of flow rate, suspended sediment concentration, and class 1A/1B content at upstream boundary: 1976.**



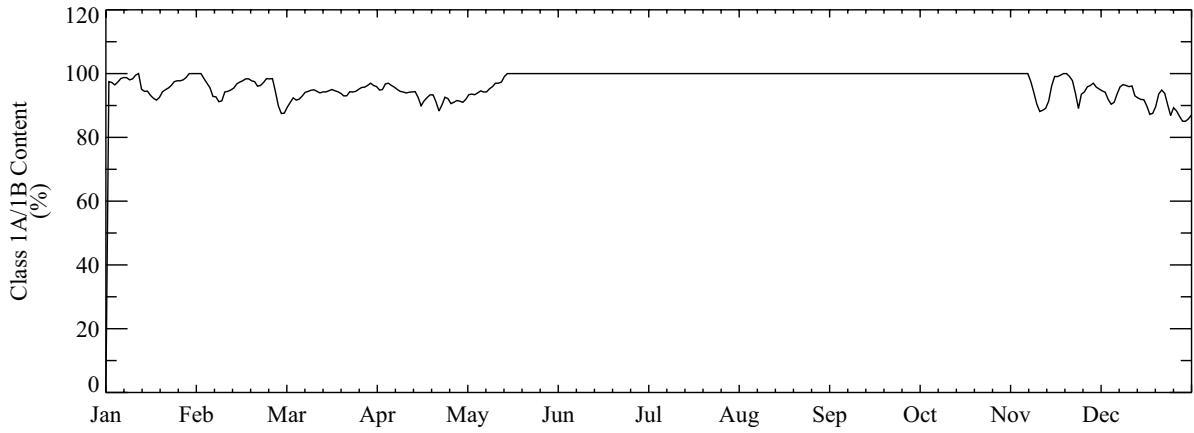
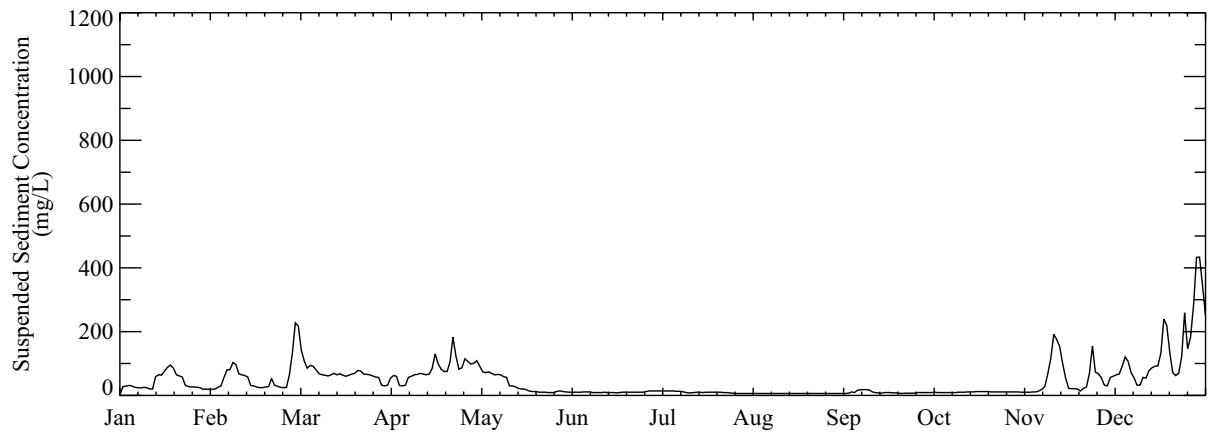
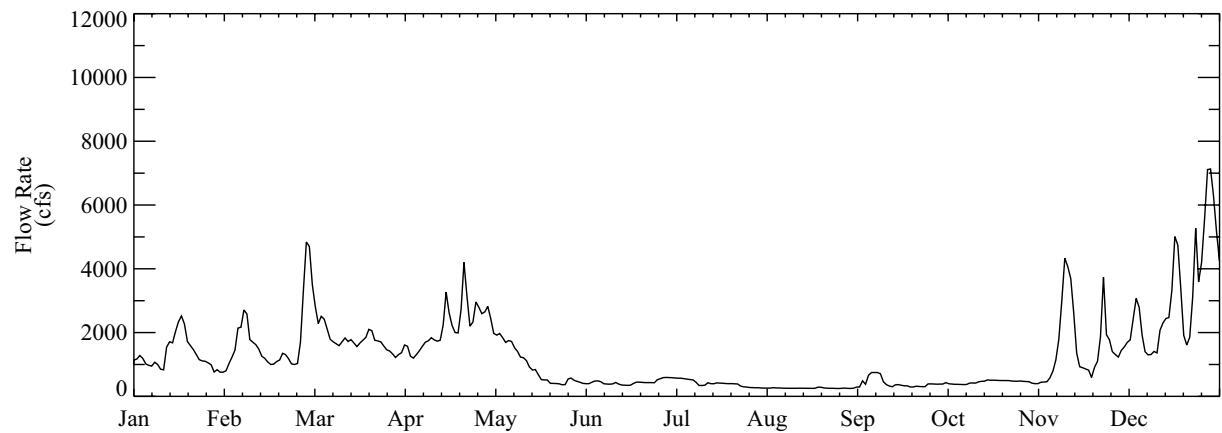
**Figure D-18. Time series of flow rate, suspended sediment concentration, and class 1A/1B content at upstream boundary: 1977.**



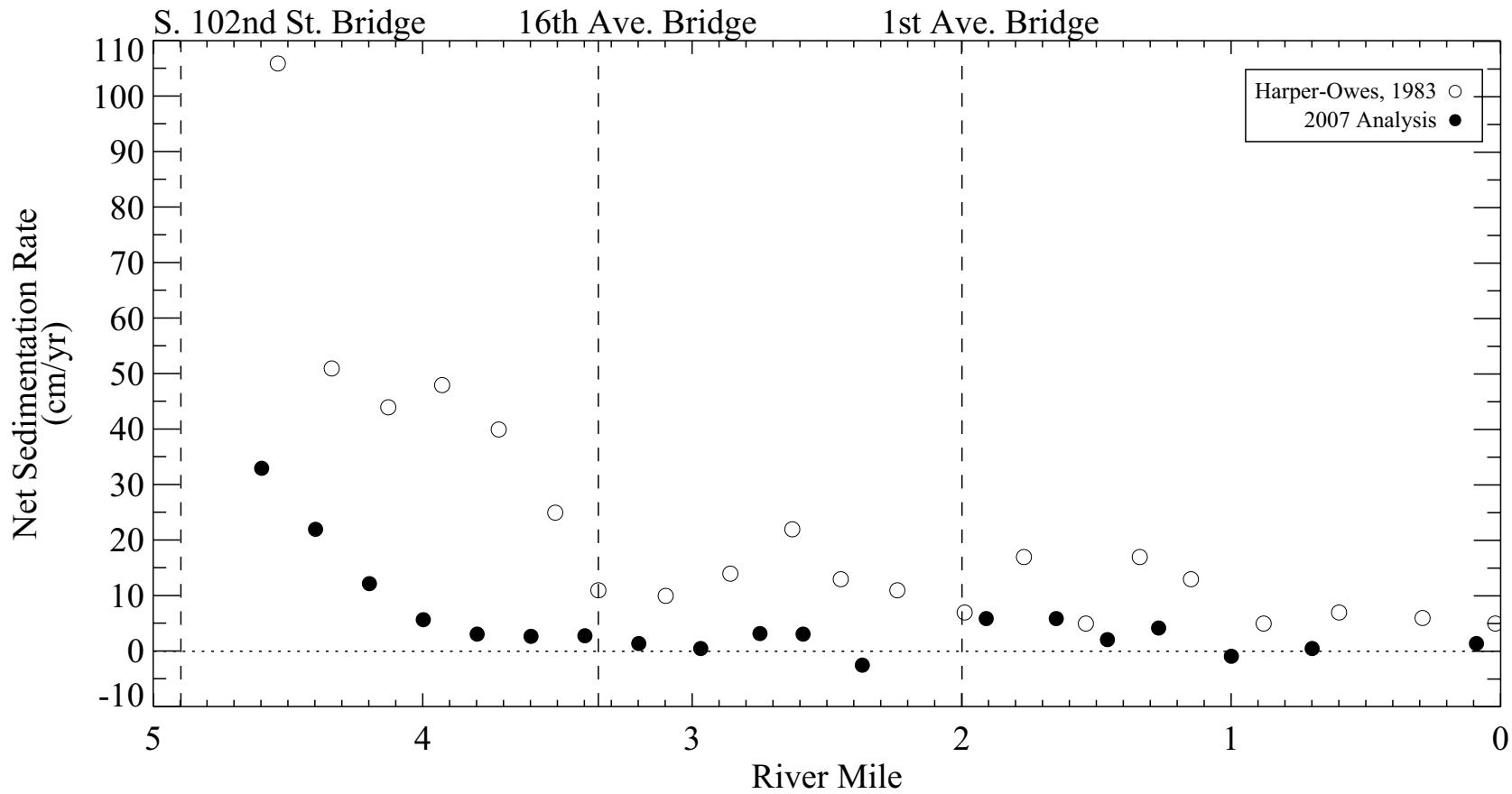
**Figure D-19. Time series of flow rate, suspended sediment concentration, and class 1A/1B content at upstream boundary: 1978.**



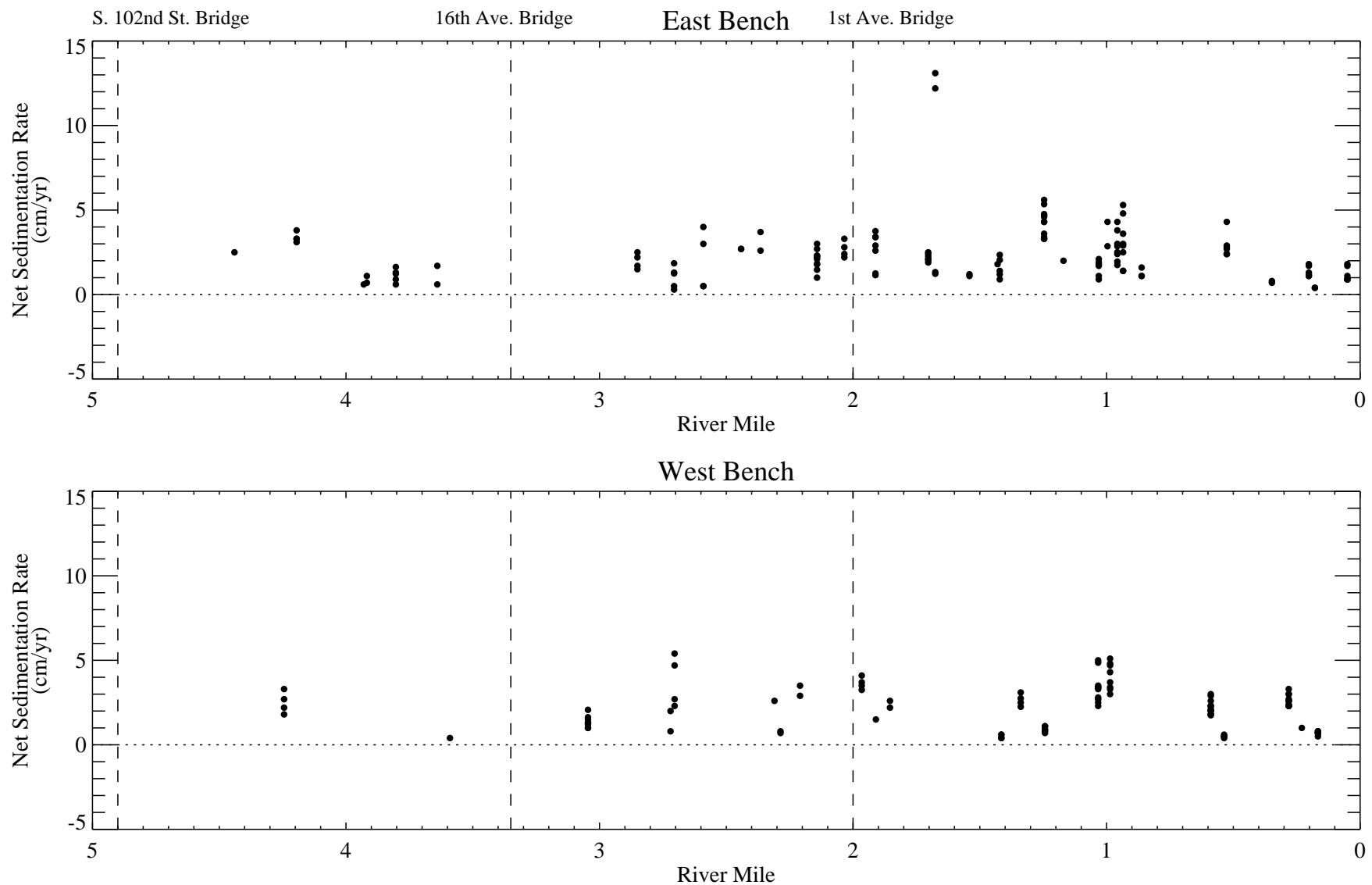
**Figure D-20. Time series of flow rate, suspended sediment concentration, and class 1A/1B content at upstream boundary: 1979.**



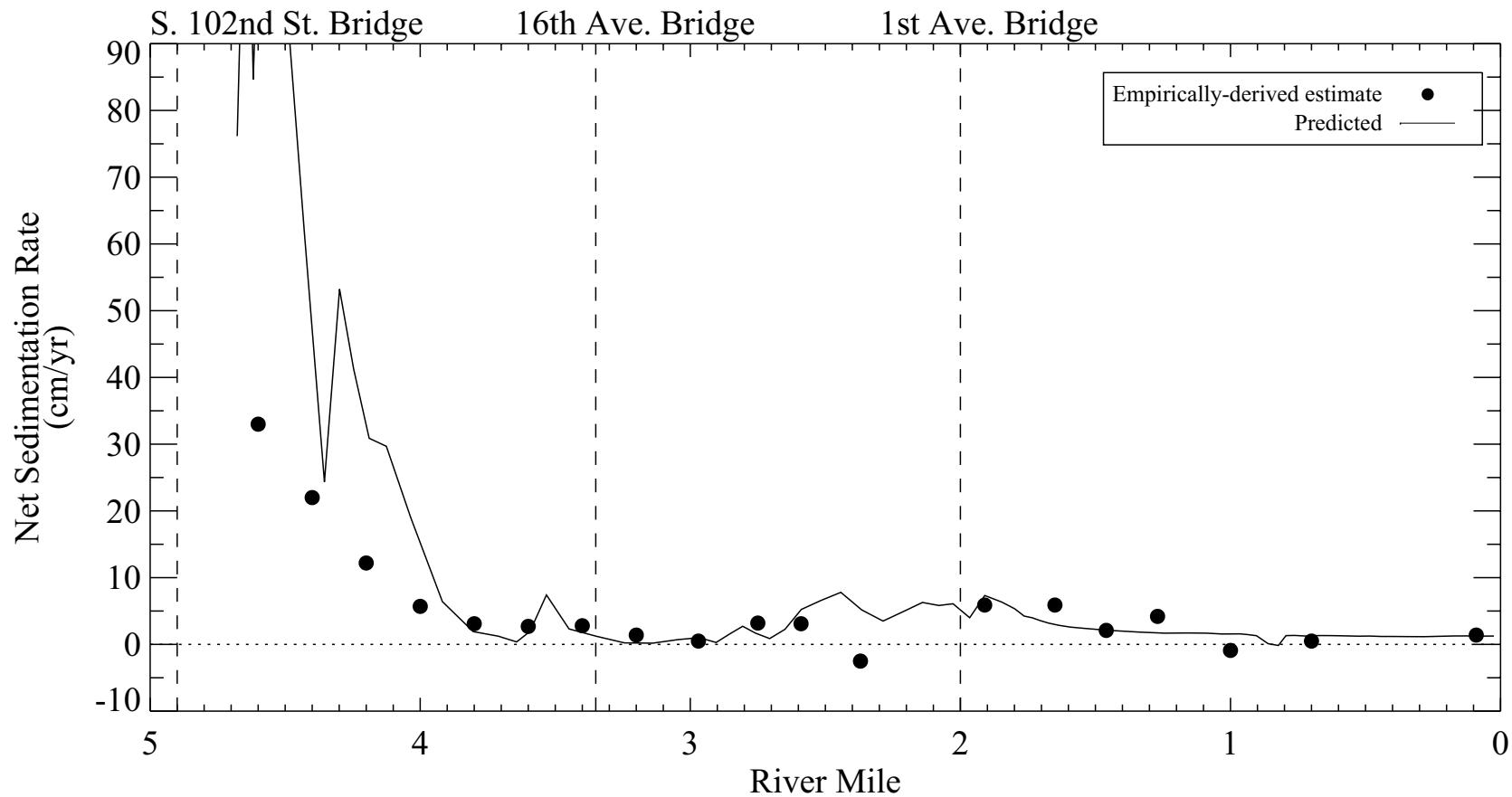
**Figure D-21. Time series of flow rate, suspended sediment concentration, and class 1A/1B content at upstream boundary: 1980.**



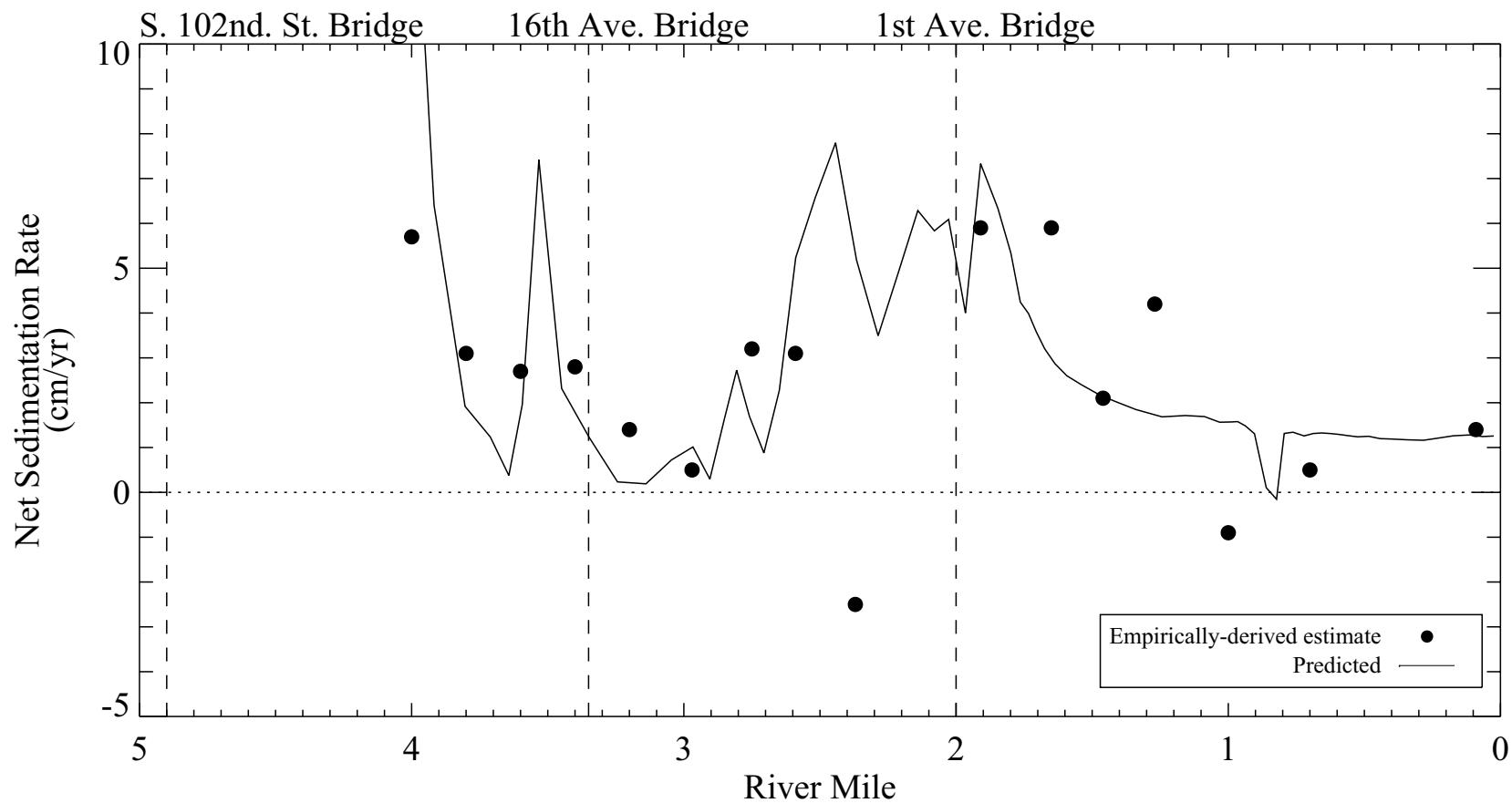
**Figure D-22. Spatial distribution of estimated net sedimentation rates in navigation channel.**



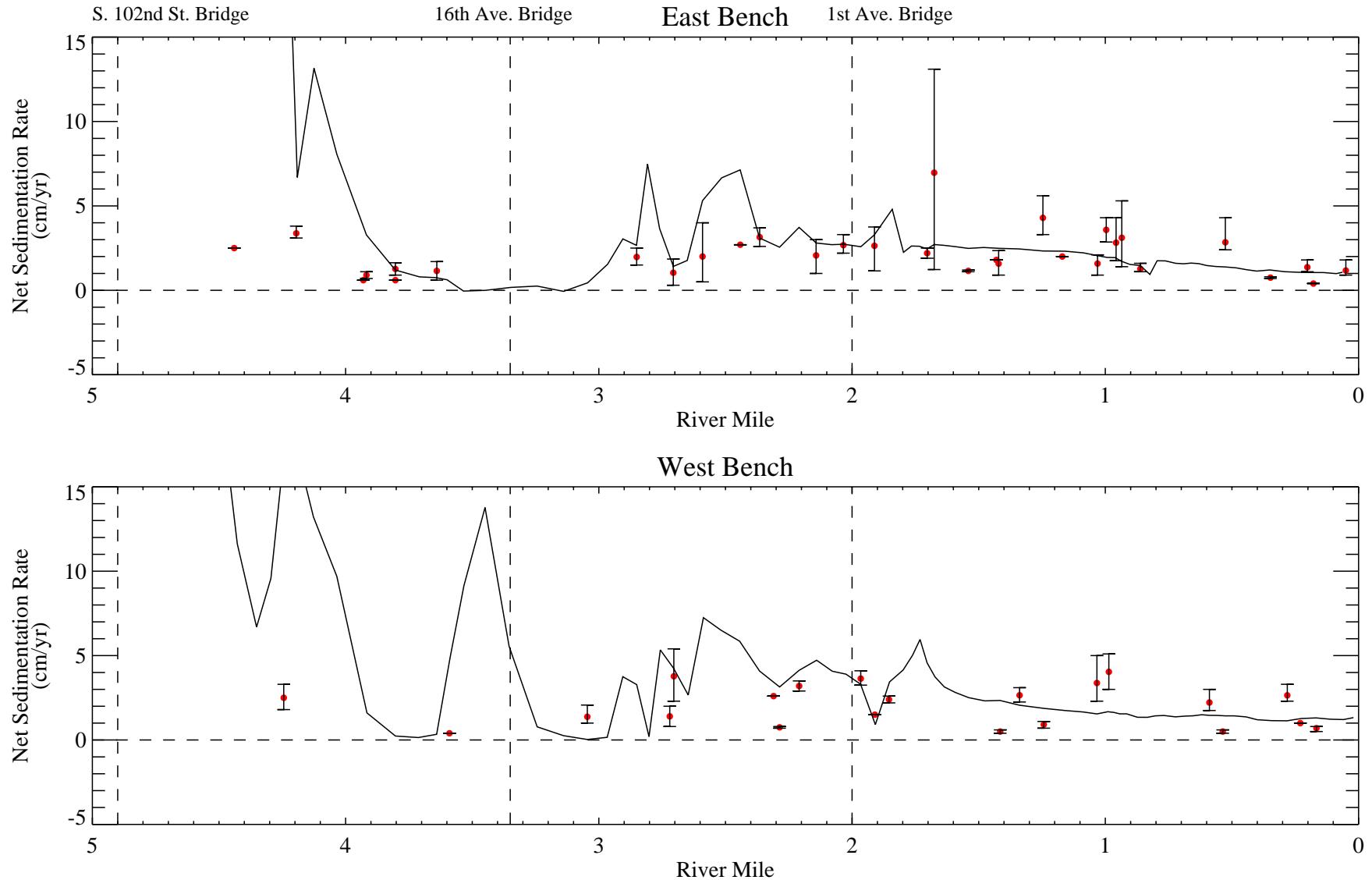
**Figure D-23. Spatial distribution of estimated net sedimentation rates in east and west bench areas.**



**Figure D-24. Comparison of predicted and estimated net sedimentation rates in navigation channel for 21-year calibration period. Model results for simulation using active bed in non-cohesive bed areas in Green River. Predicted rates are average values for 21-year period.**

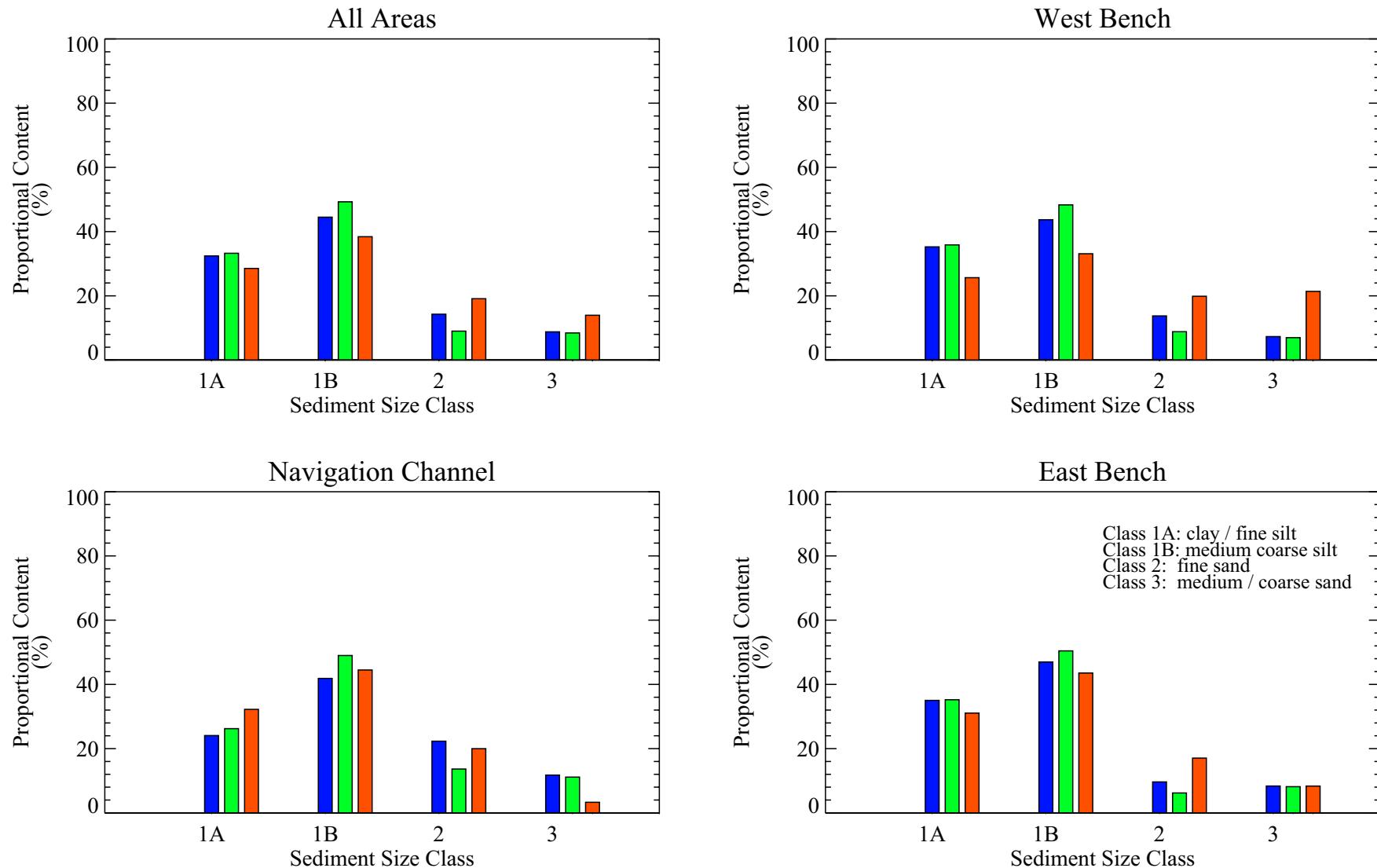


**Figure D-25. Comparison of predicted and estimated net sedimentation rates in navigation channel for 21-year calibration period. Model results for simulation using active bed in non-cohesive bed areas in Green River. Predicted rates are average values for 21-year period.**



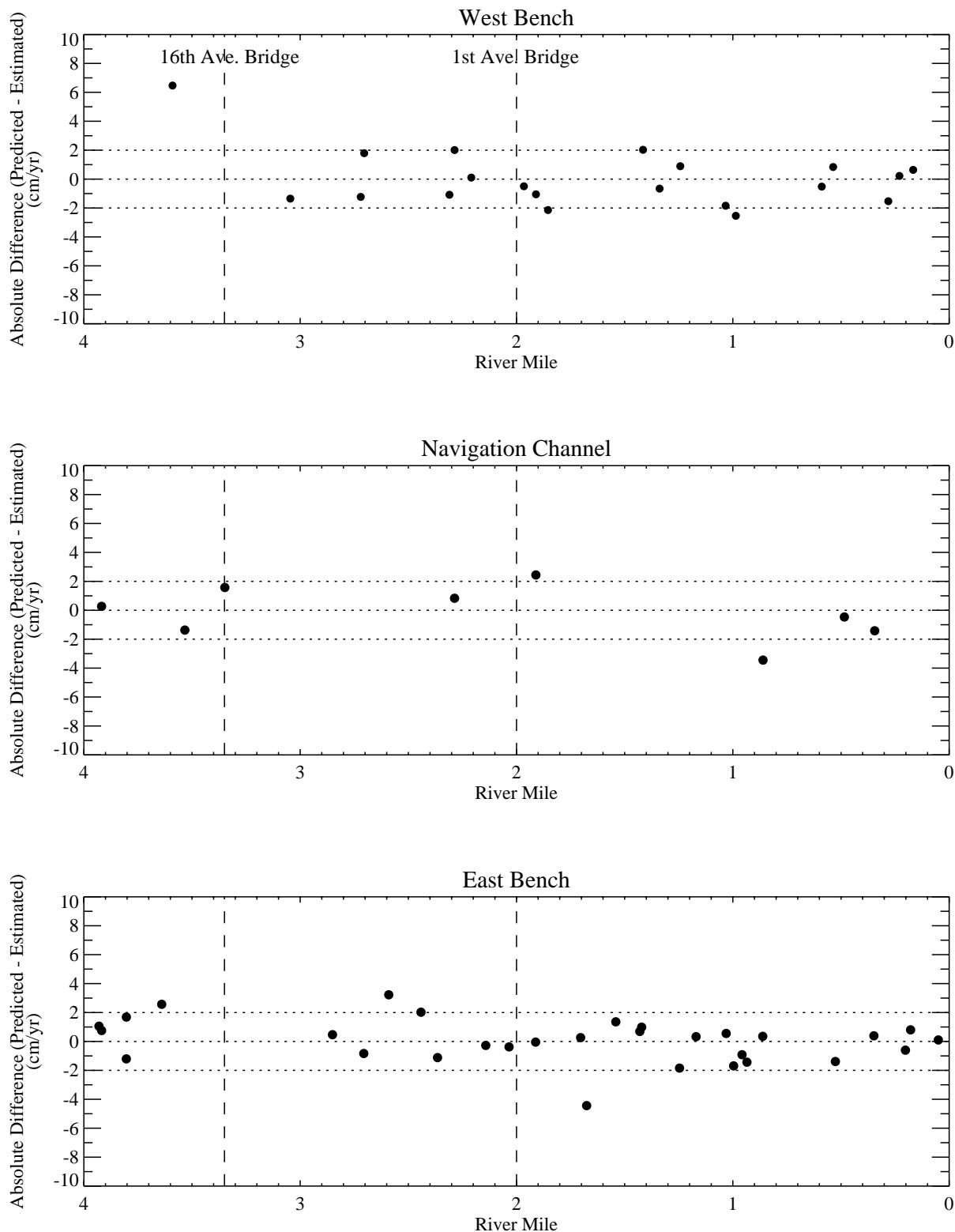
**Figure D-26.** Comparison of predicted and estimated net sedimentation rates in the east (top panel) and west (bottom panel) bench areas for 21-year calibration period. Model results for simulation using active bed in non-cohesive bed areas in Green River. Predicted rates are average values for 21-year period. Average (solid dot) and range (bar) of empirically-derived values are shown.

●	Empirically-derived estimate
—	Predicted

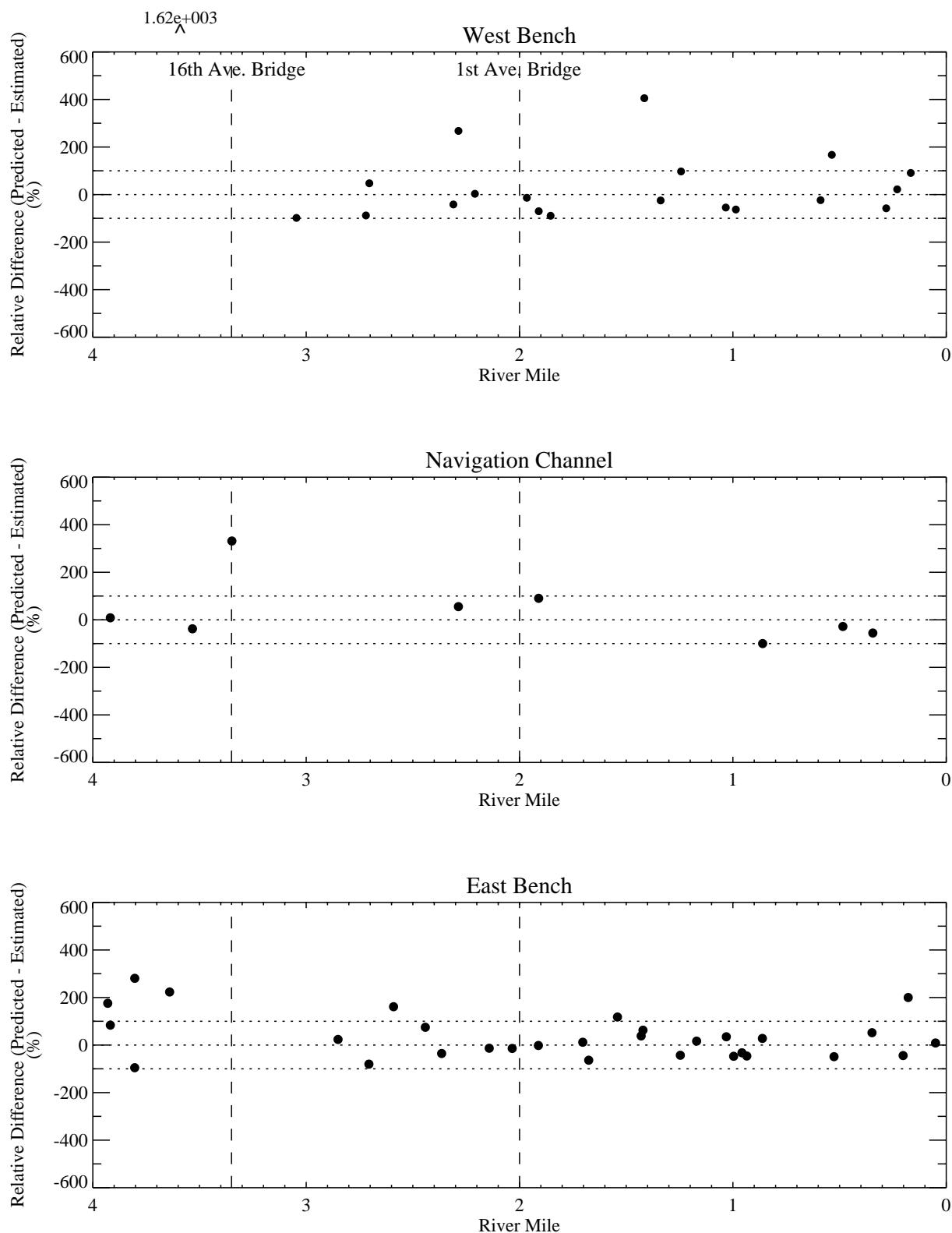


**Figure D-27. Comparison of predicted and observed composition of surface-layer cohesive sediment in the LDW (RM 0-4.3).**  
**Predicted composition is average value for 21-year calibration period: active bed vs non-active bed..**

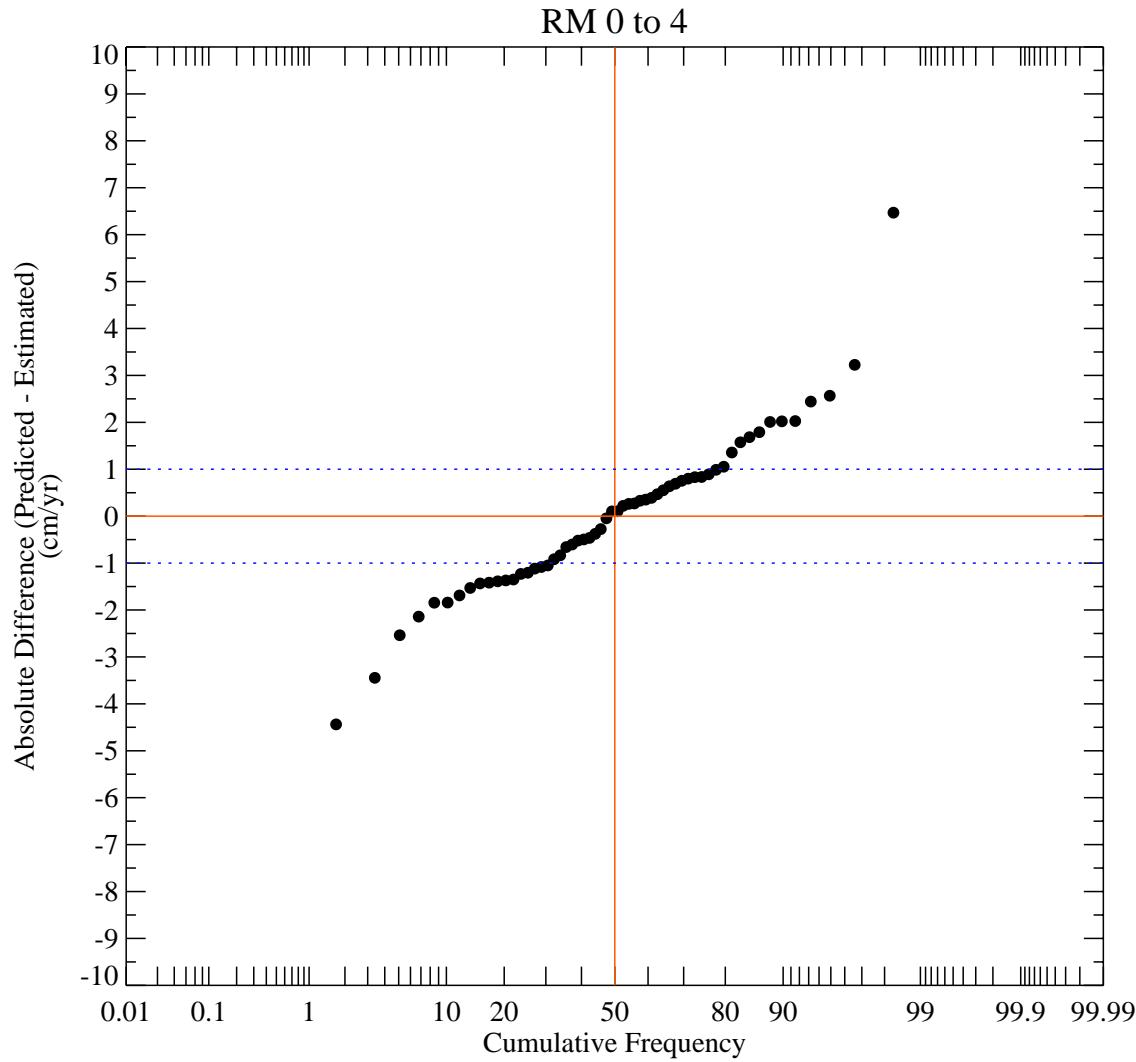
- Predicted (active bed)
- Predicted (non-active bed)
- Sedflume core data



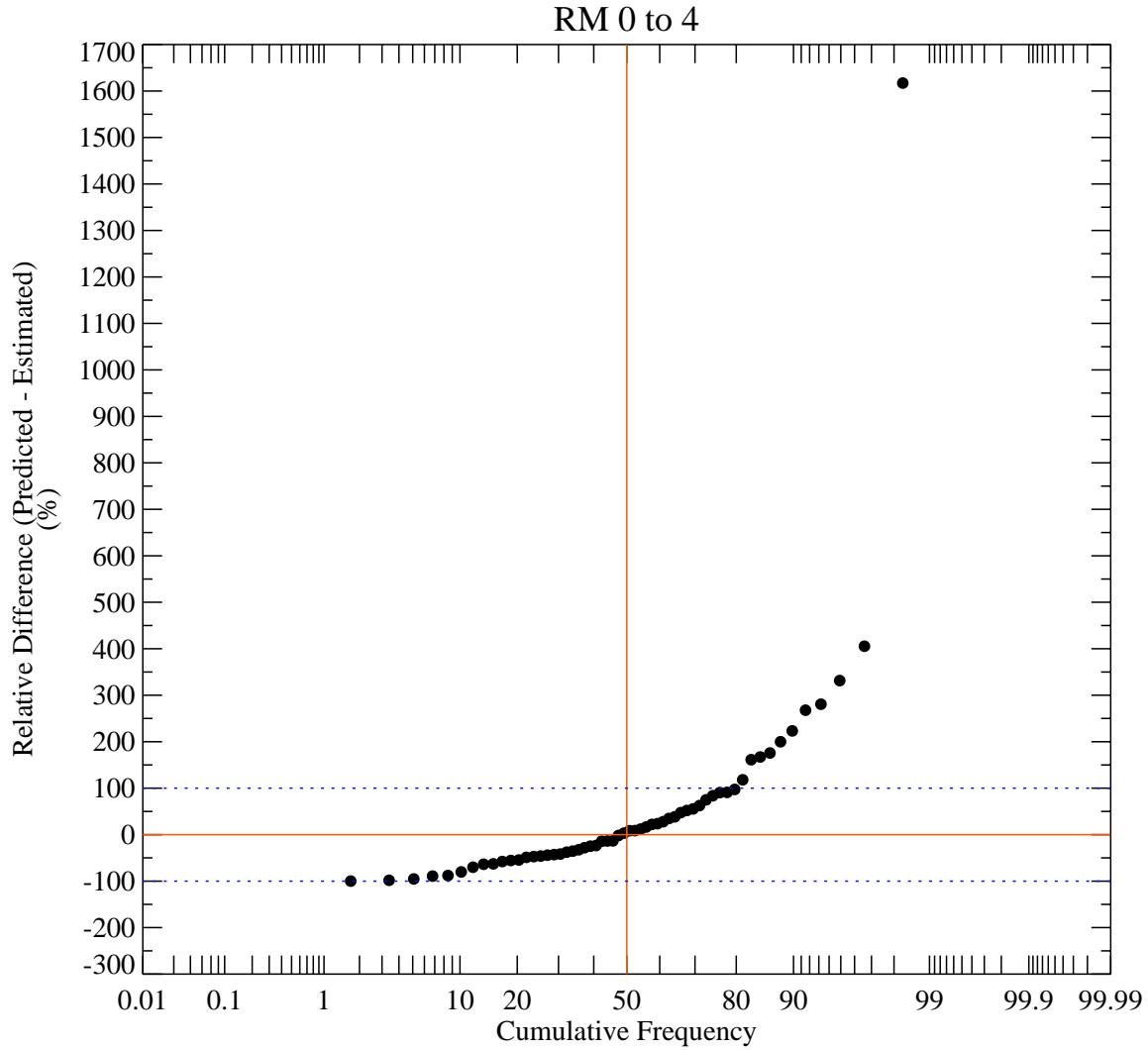
**Figure D-28. Spatial variation of spatial uncertainty: absolute difference (predicted - empirically-derived estimate) based on 1-to-1 model-data comparison.**



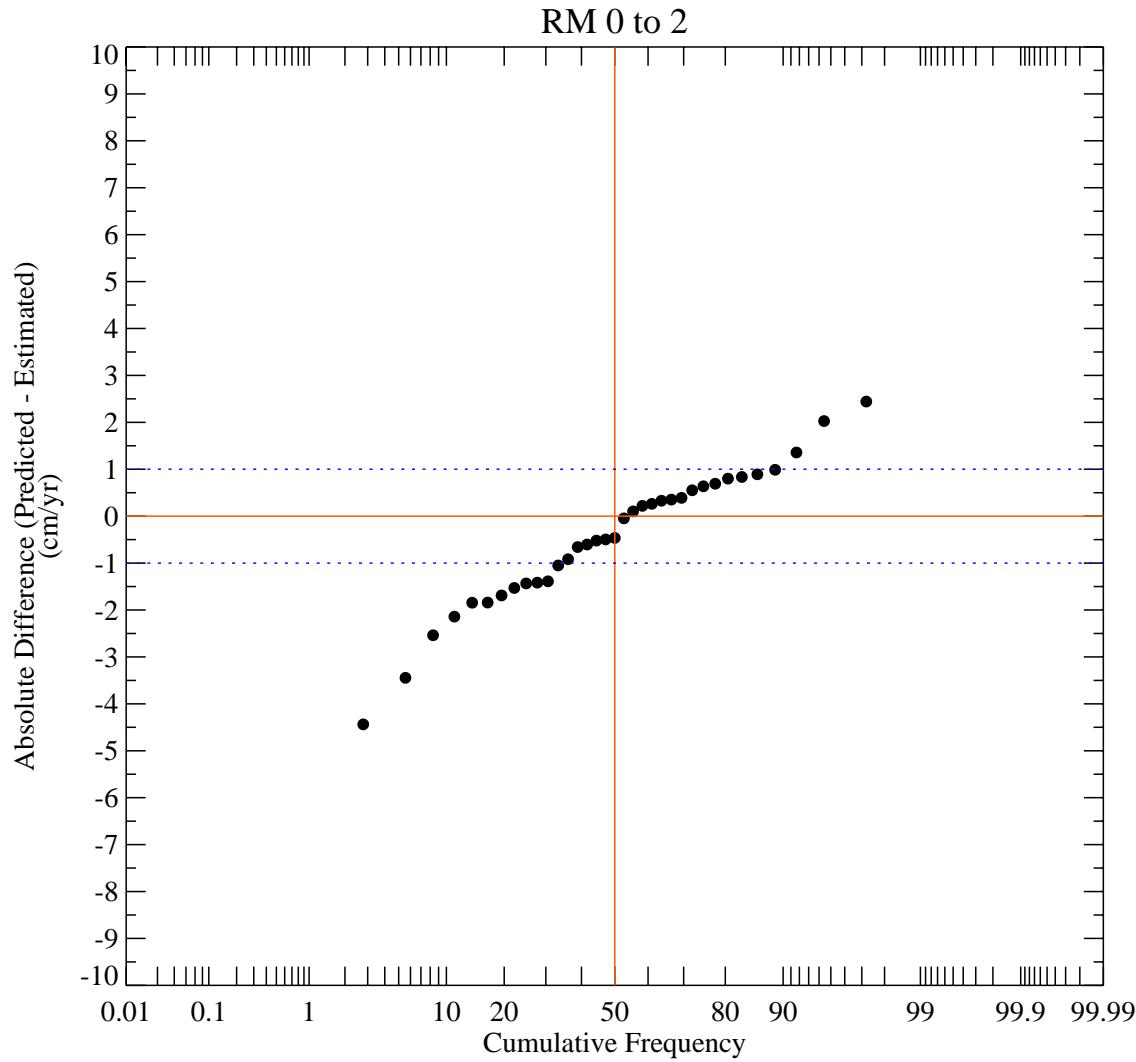
**Figure D-29. Spatial variation of spatial uncertainty: relative difference (predicted - empirically-derived estimate) based on 1-to-1 model-data comparison.**



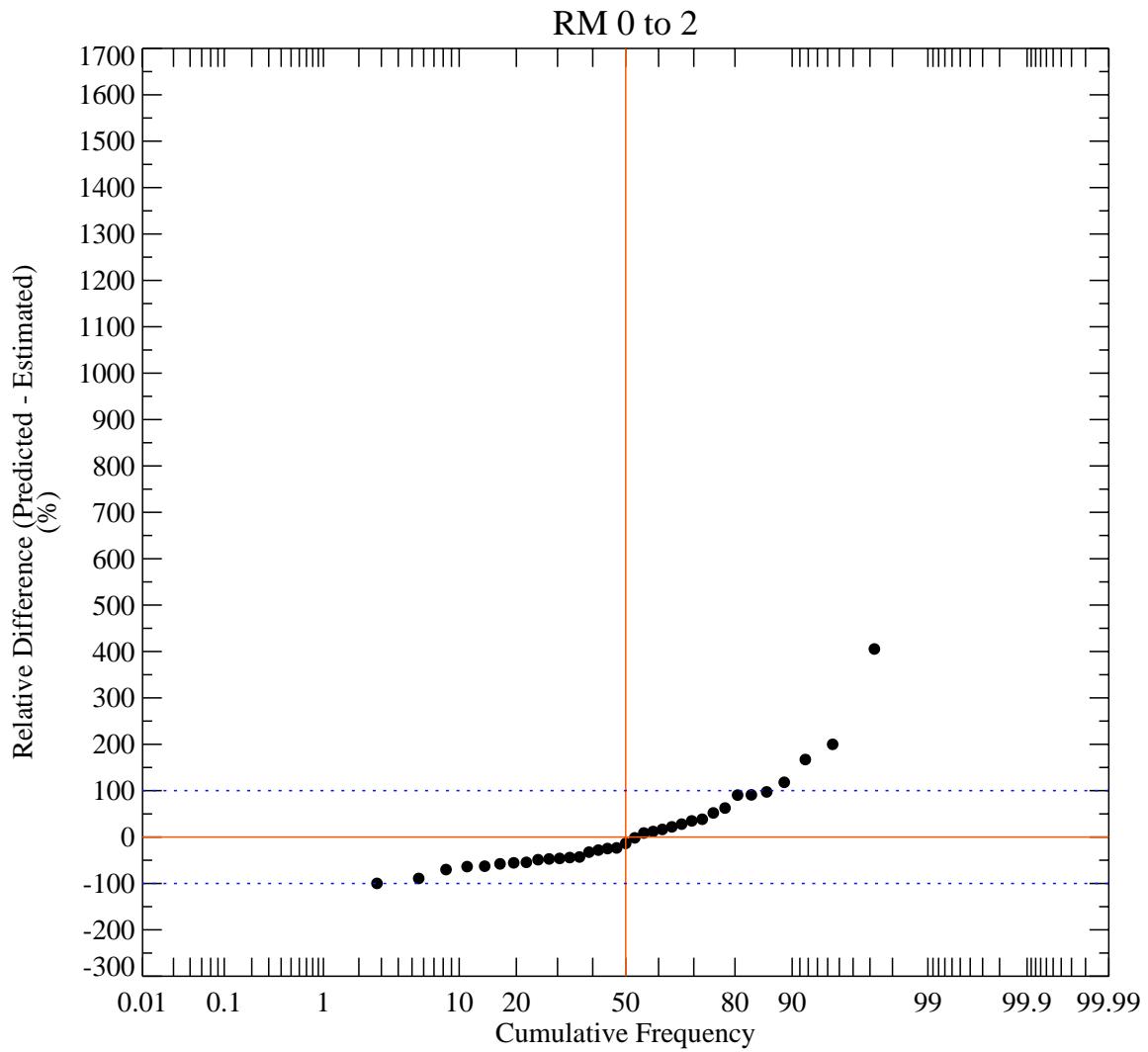
**Figure D-30. Cumulative frequency of 1-to-1 absolute difference in sedimentation rate (predicted - empirically-derived estimate): RM 0 to 4, 30-year simulation.**



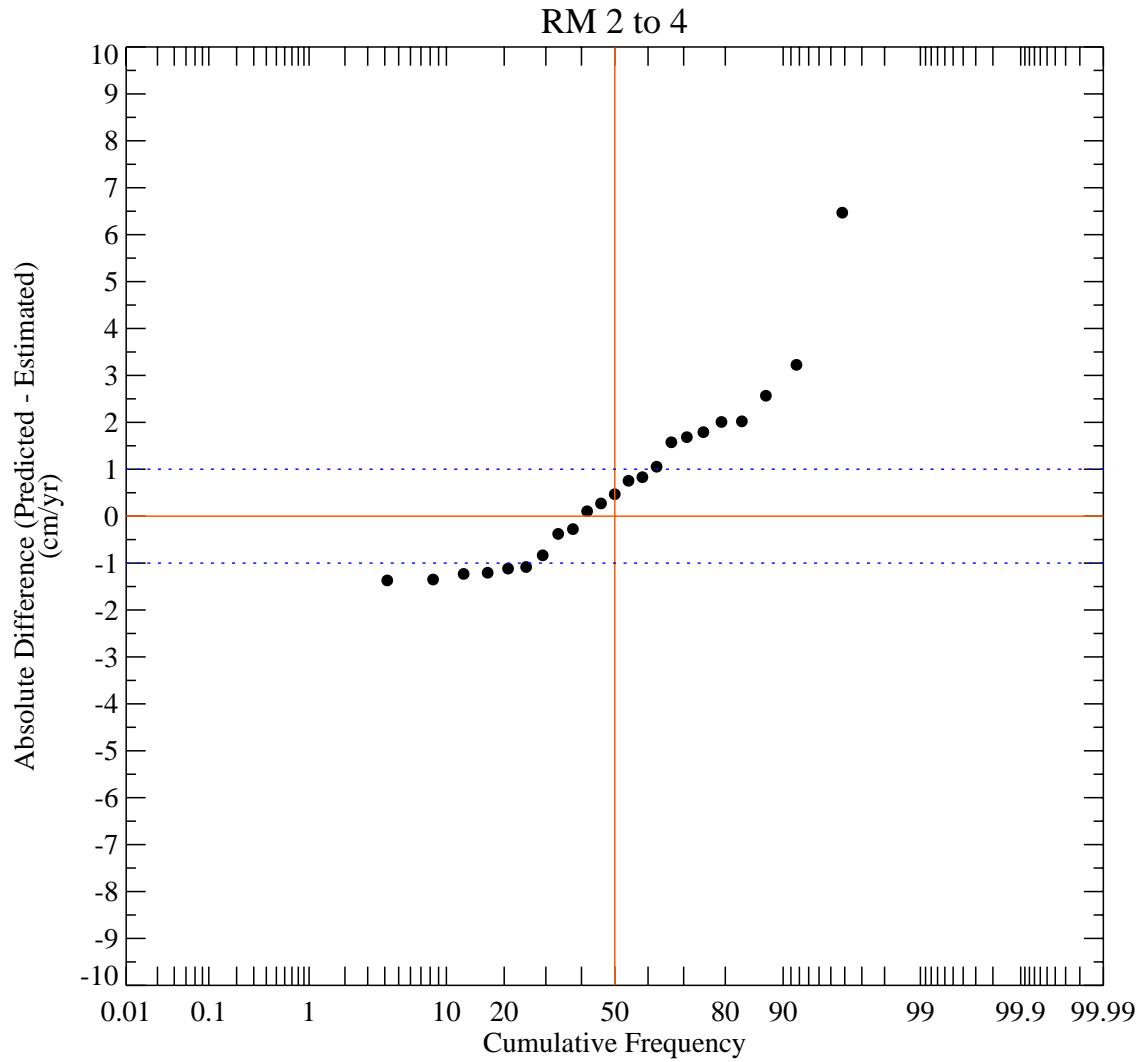
**Figure D-31. Cumulative frequency of 1-to-1 relative difference in sedimentation rate (predicted - empirically-derived estimate): RM 0 to 4, 30-year simulation.**



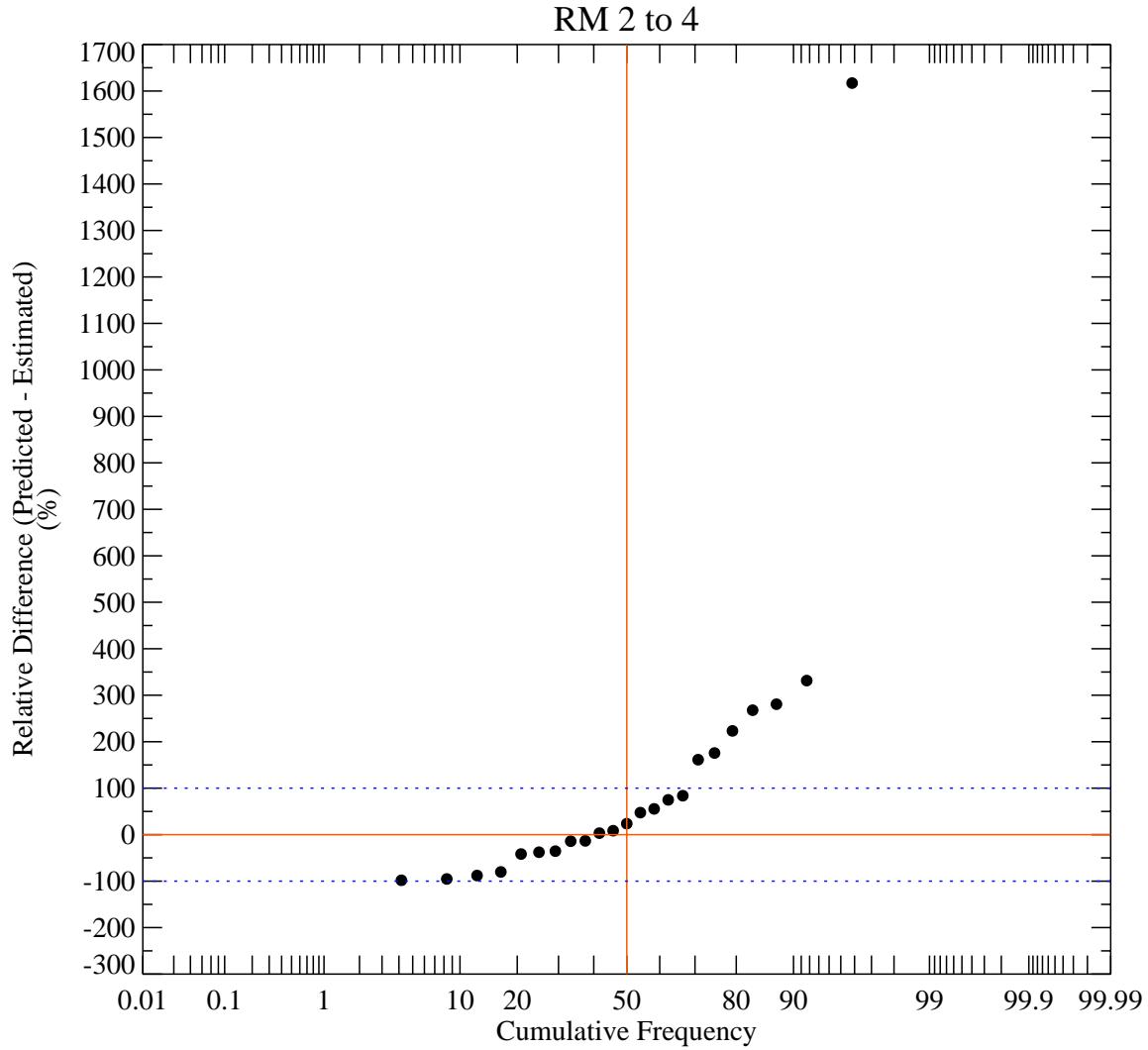
**Figure D-32. Cumulative frequency of 1-to-1 absolute difference in sedimentation rate (predicted - empirically-derived estimate): RM 0 to 2, 30-year simulation.**



**Figure D-33. Cumulative frequency of 1-to-1 relative difference in sedimentation rate (predicted - empirically-derived estimate): RM 0 to 2, 30-year simulation.**



**Figure D-34. Cumulative frequency of 1-to-1 absolute difference in sedimentation rate (predicted - empirically-derived estimate): RM 2 to 4, 30-year simulation.**



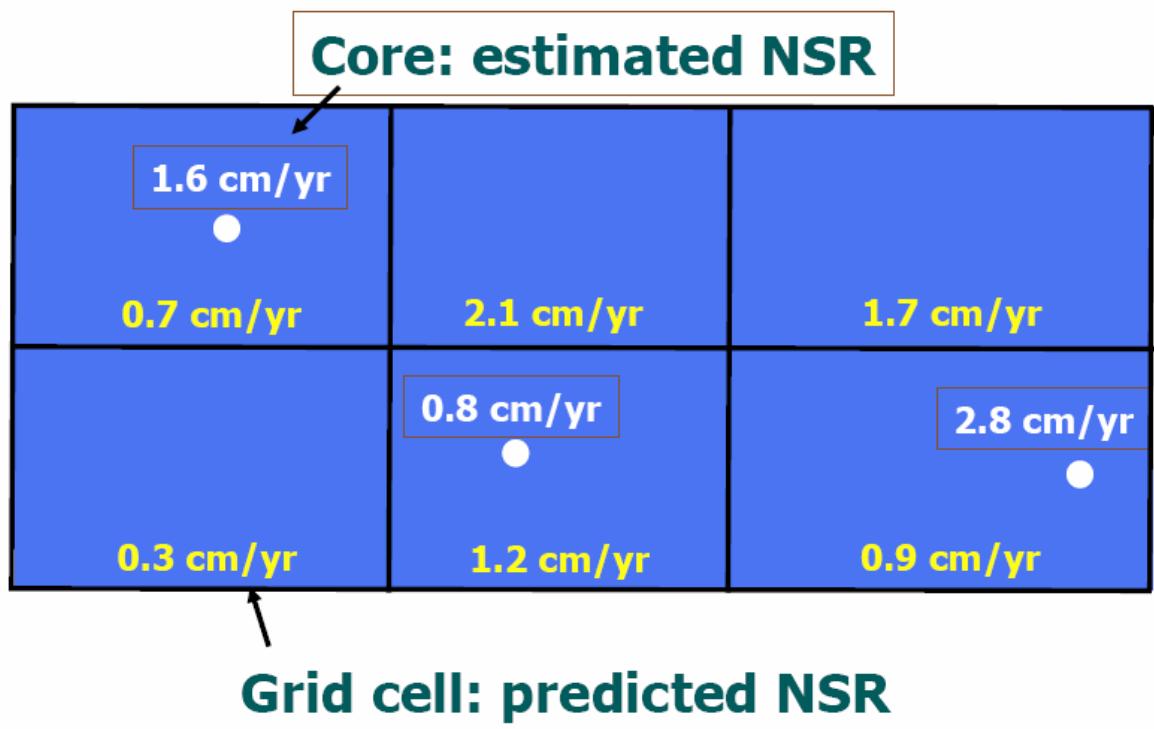
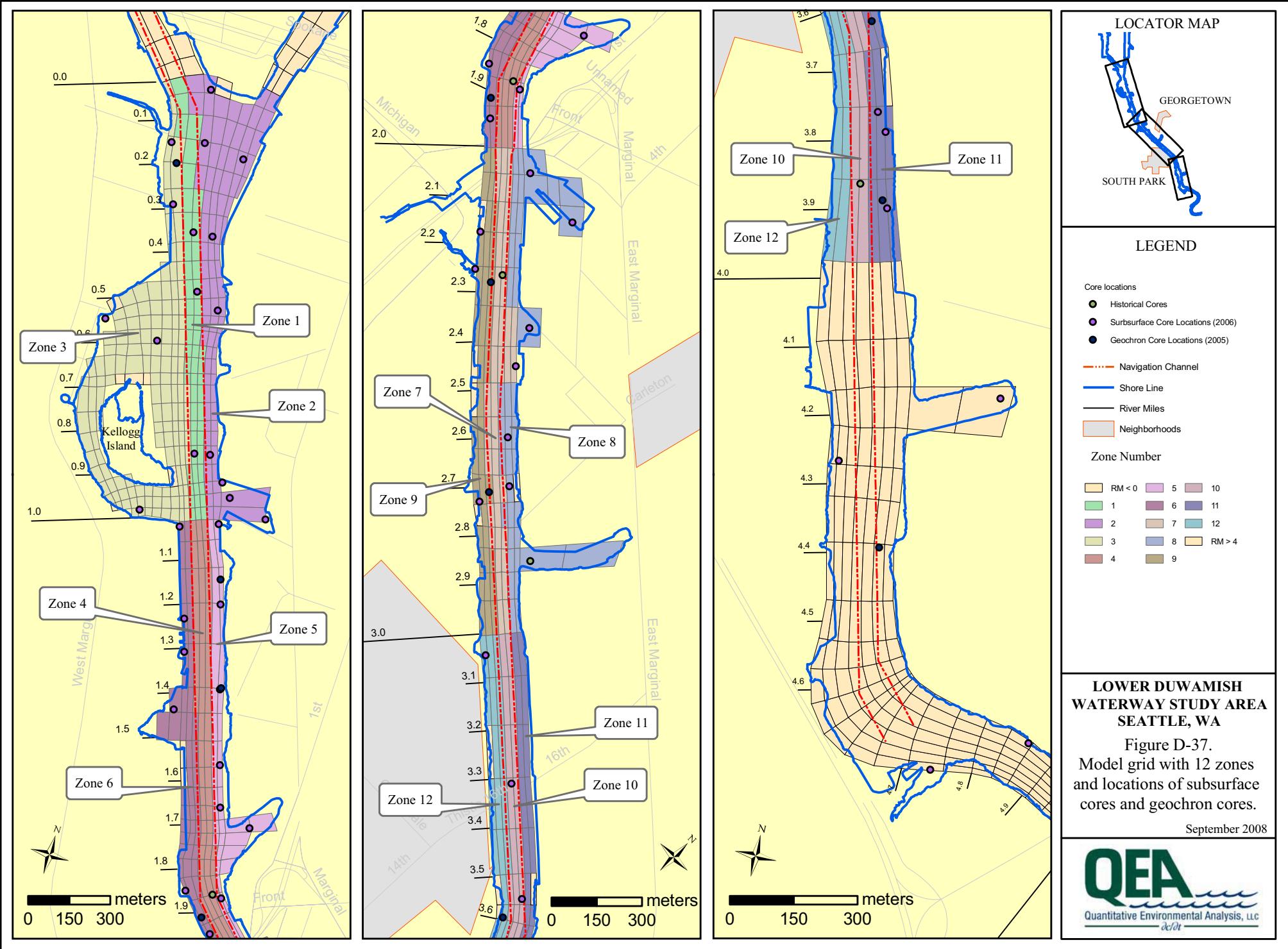
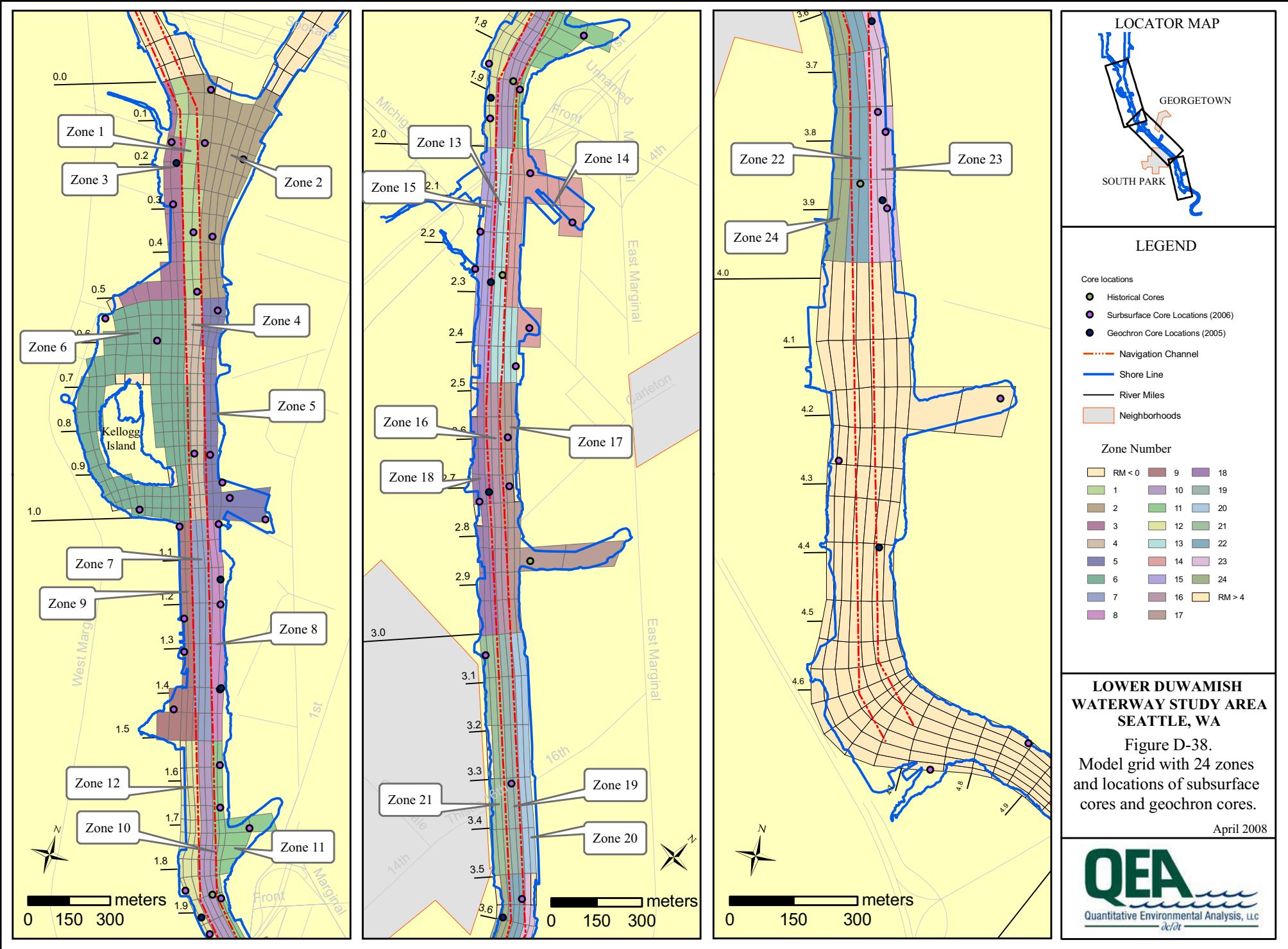
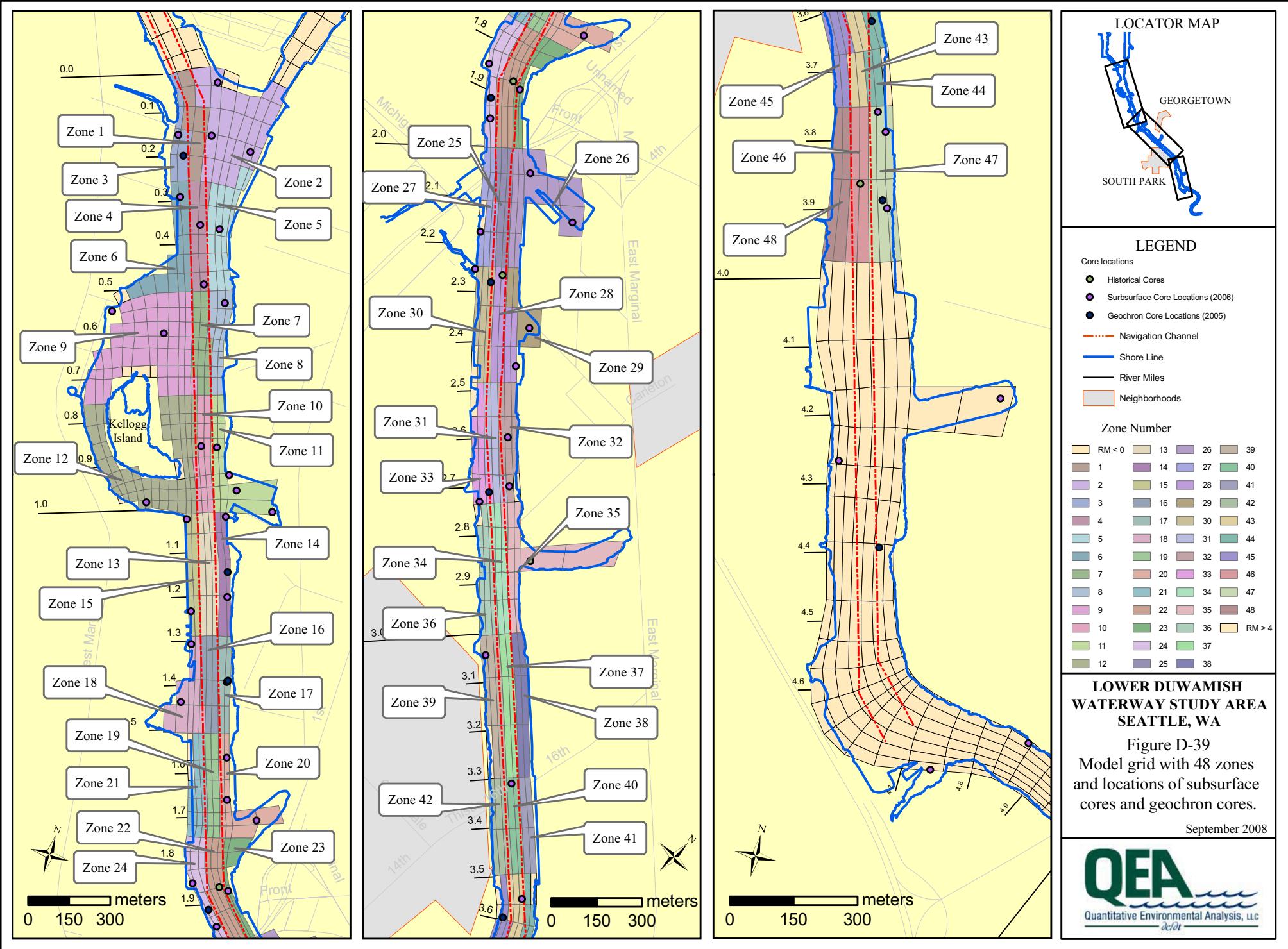
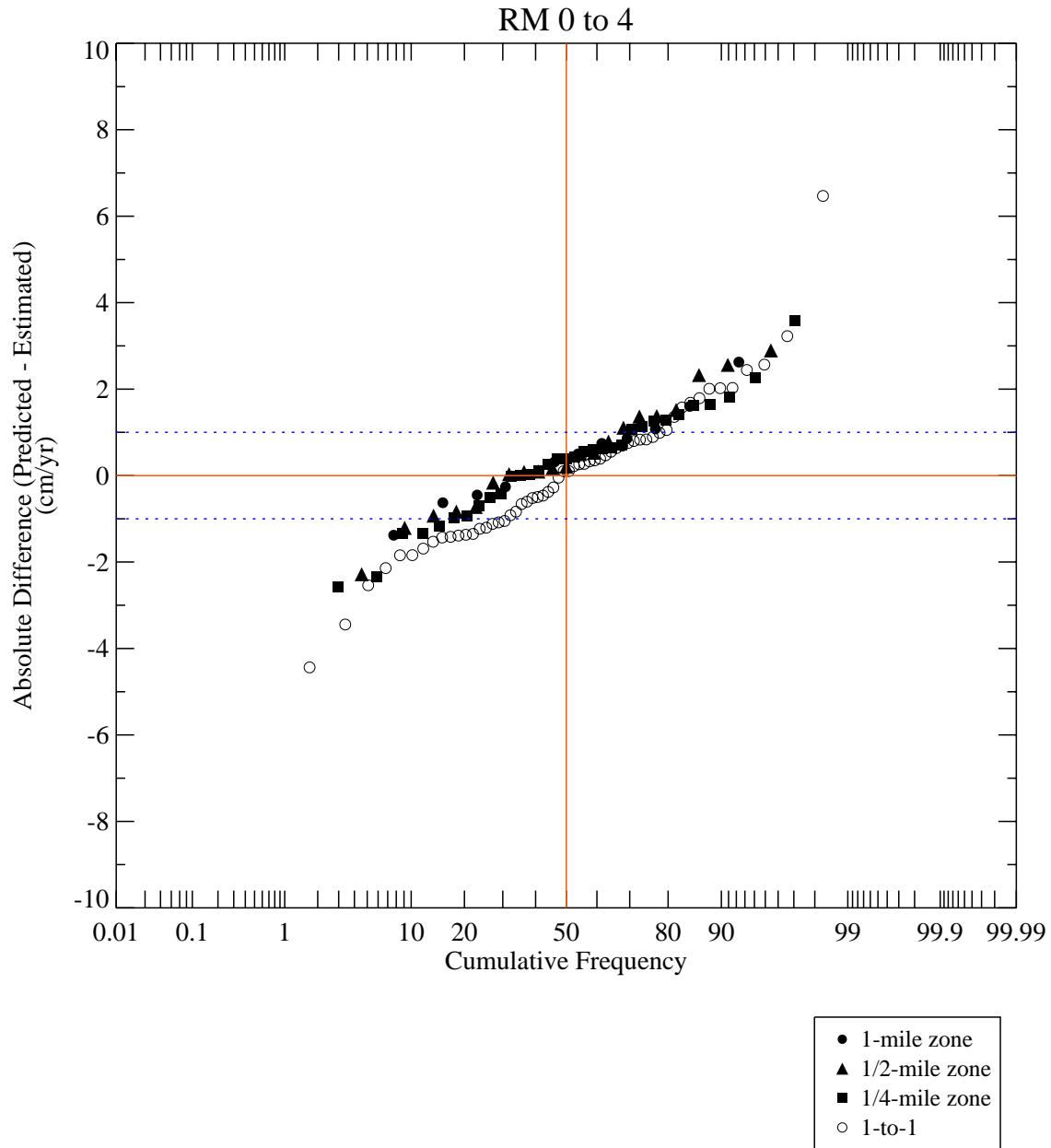


Figure D-36. Example calculation of absolute difference for a zone composed of 6 grid cells and 3 cores are within the zone.

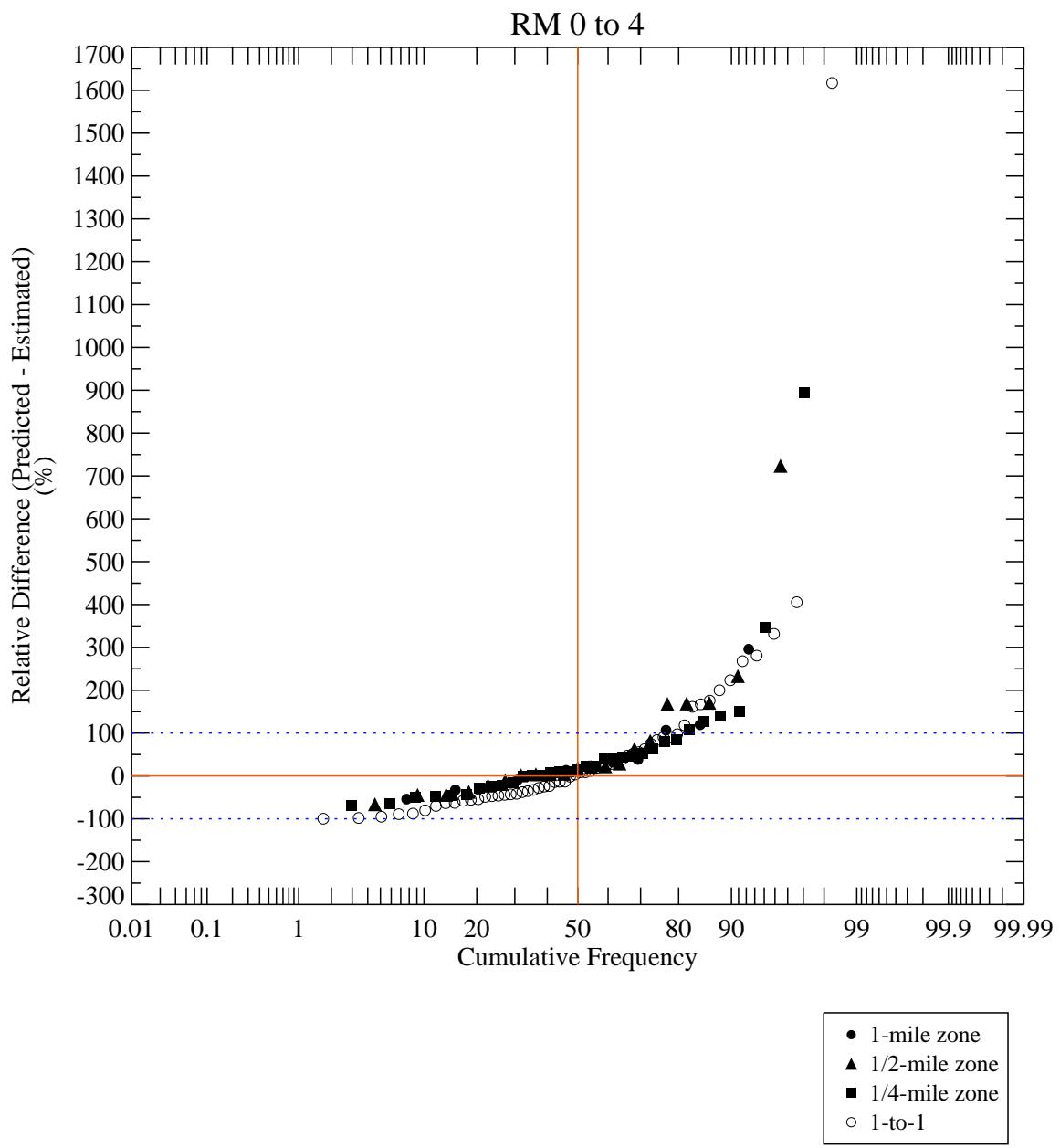




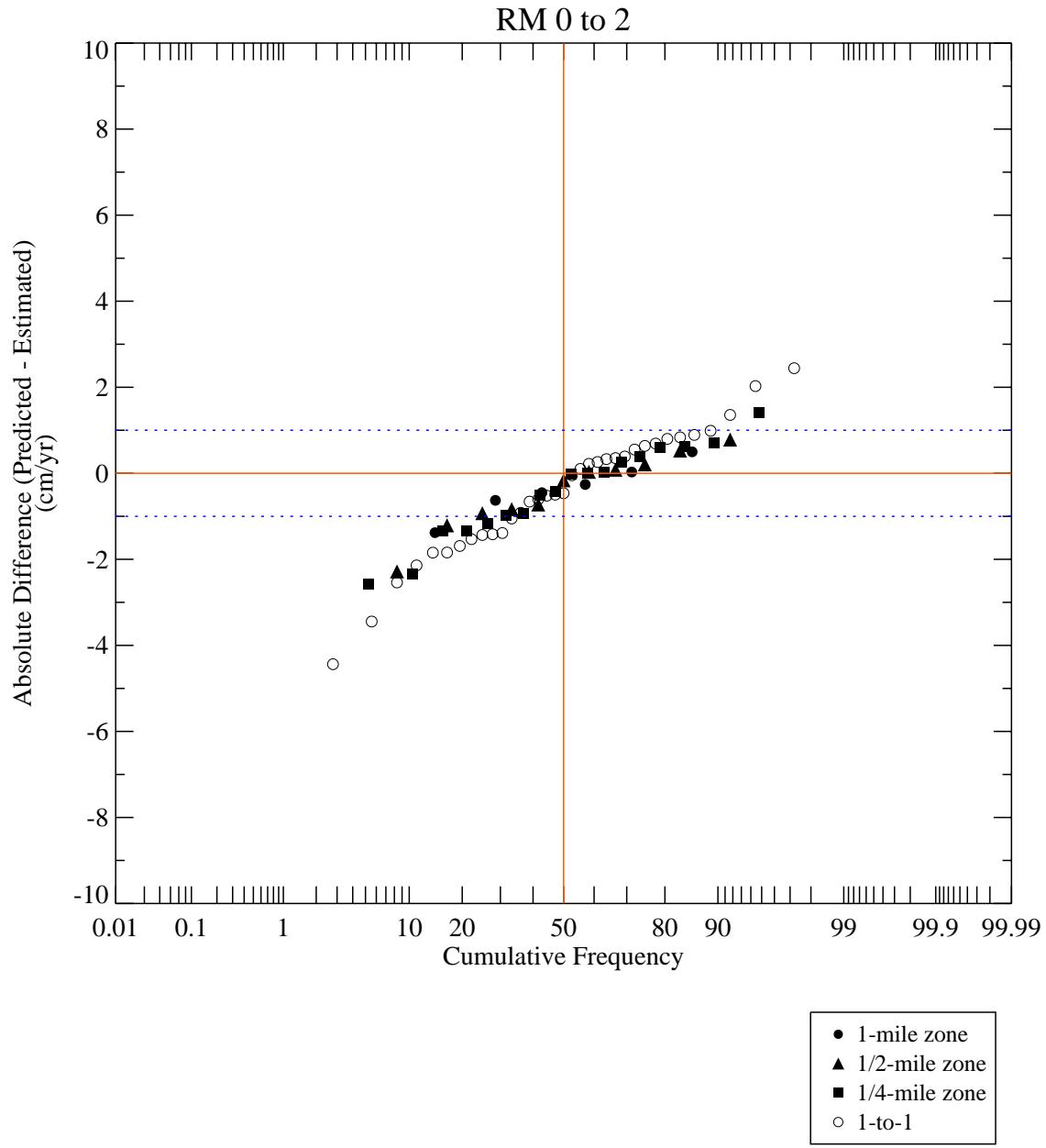




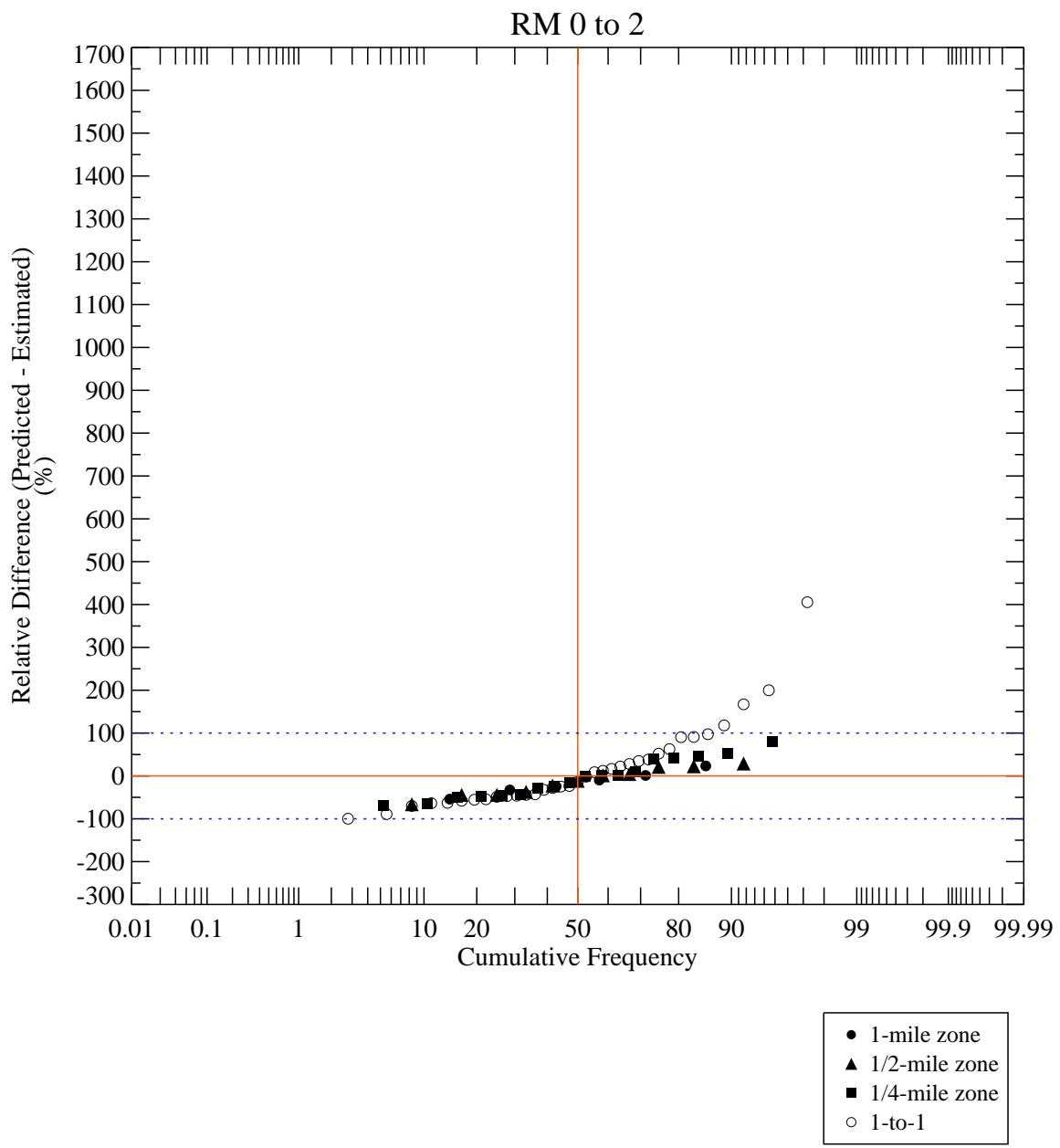
**Figure D-40. Cumulative frequency of absolute difference in sedimentation rate (predicted - empirically-derived estimate): RM 0 to 4, 30-year simulation.**



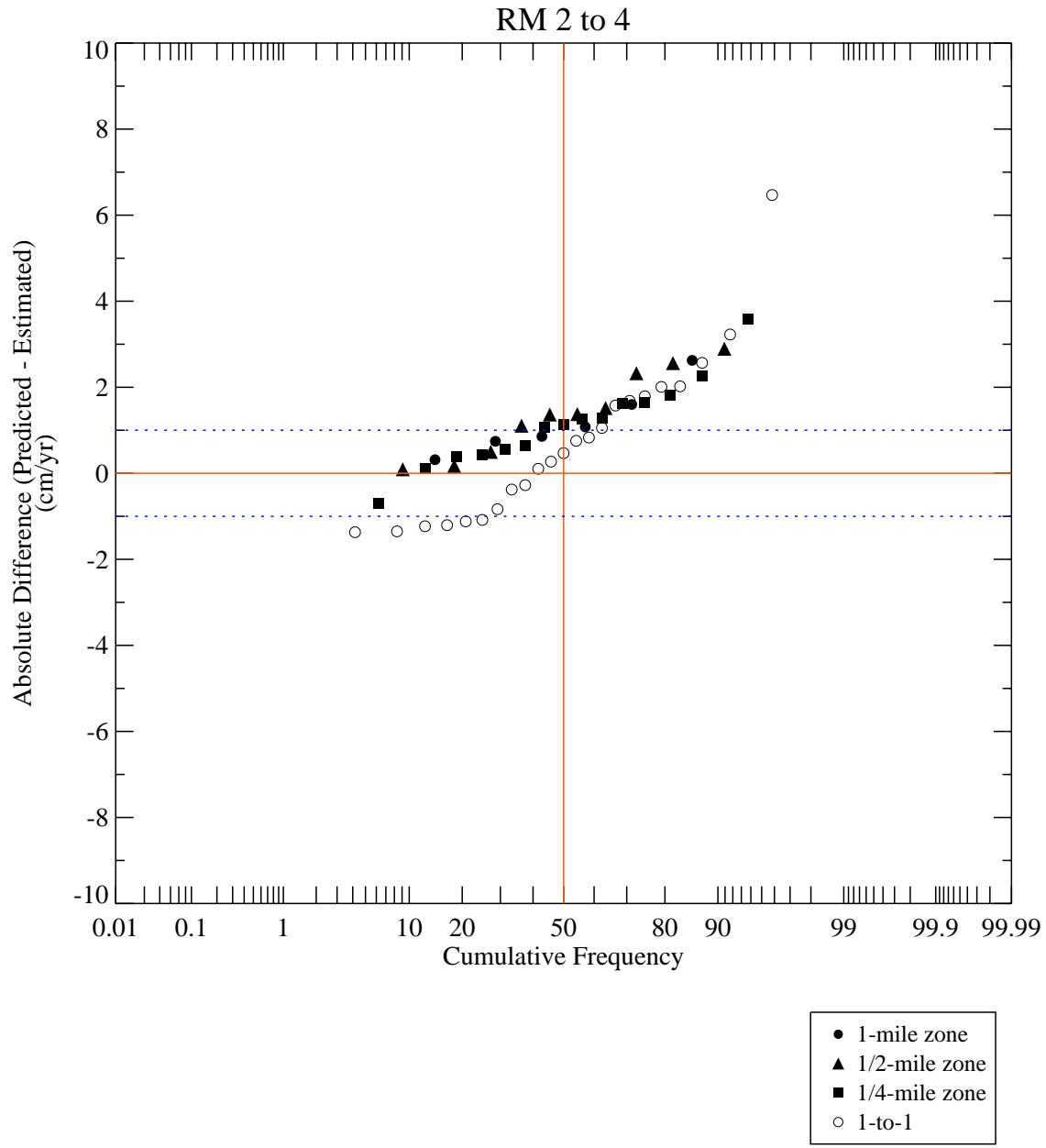
**Figure D-41. Cumulative frequency of relative difference in sedimentation rate (predicted - empirically-derived estimate): RM 0 to 4, 30-year simulation.**



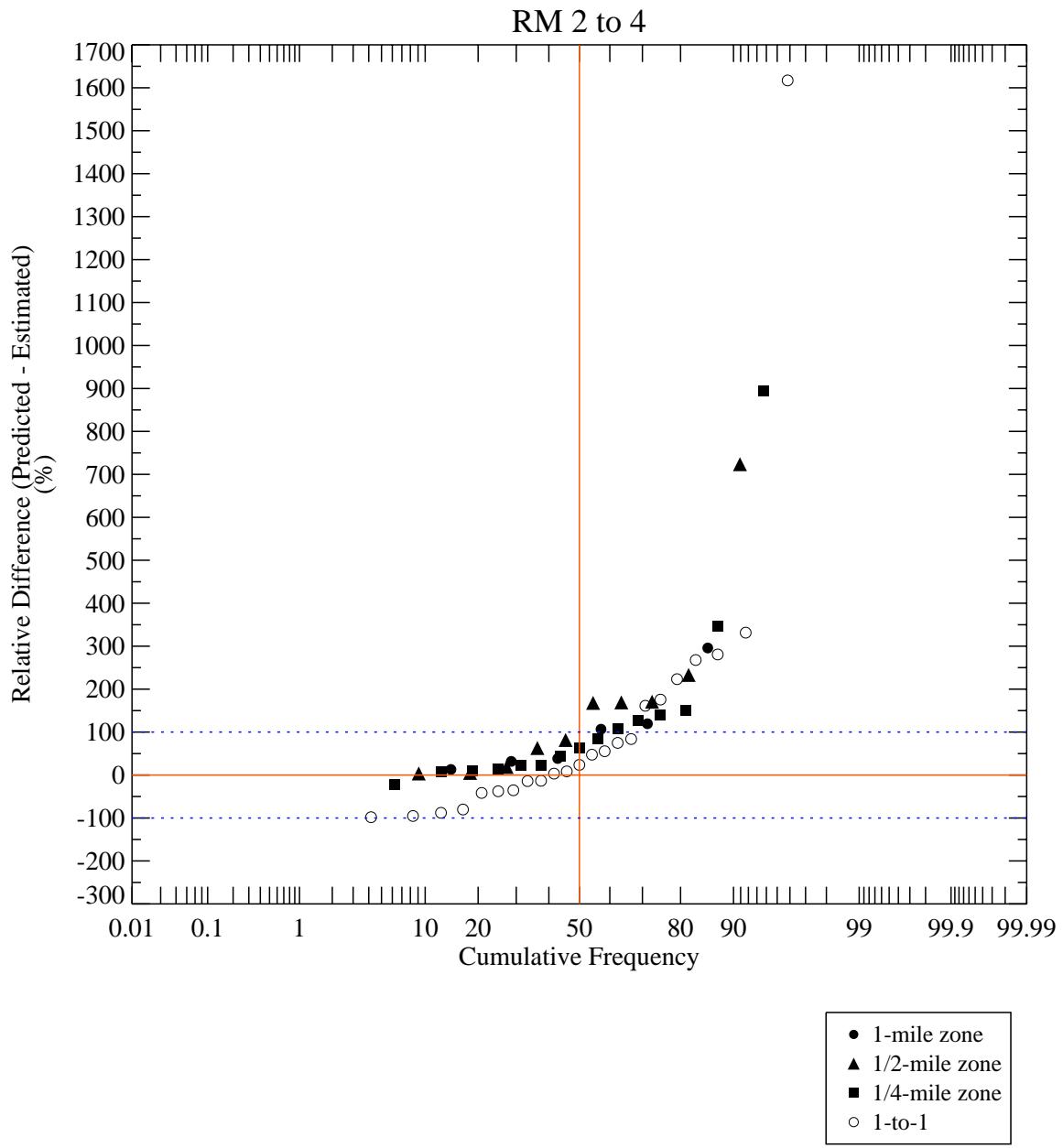
**Figure D-42. Cumulative frequency of absolute difference in sedimentation rate (predicted - empirically-derived estimate): RM 0 to 2, 30-year simulation.**



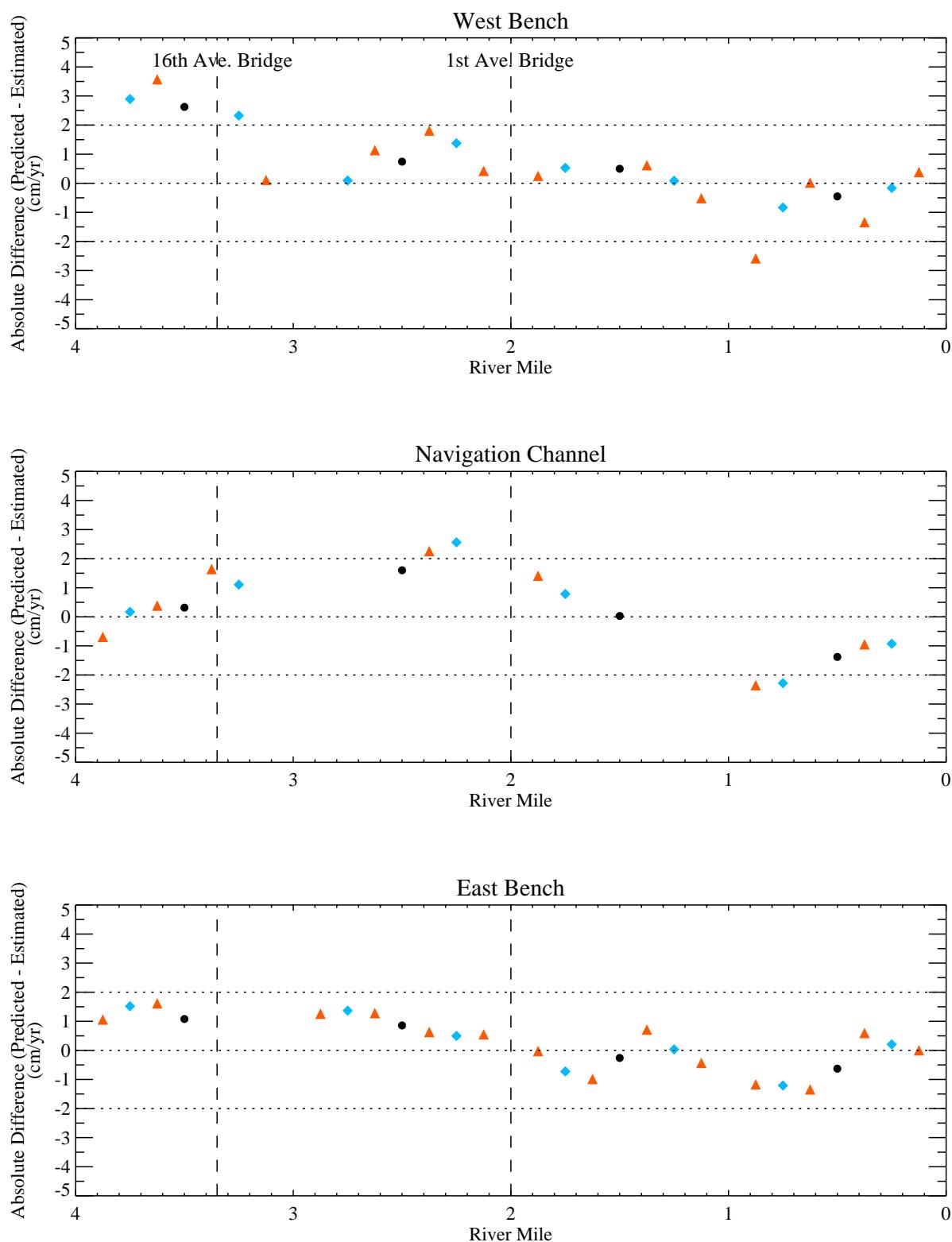
**Figure D-43. Cumulative frequency of relative difference in sedimentation rate (predicted - empirically-derived estimate): RM 0 to 2, 30-year simulation.**



**Figure D-44. Cumulative frequency of absolute difference in sedimentation rate (predicted - empirically-derived estimate): RM 2 to 4, 30-year simulation.**

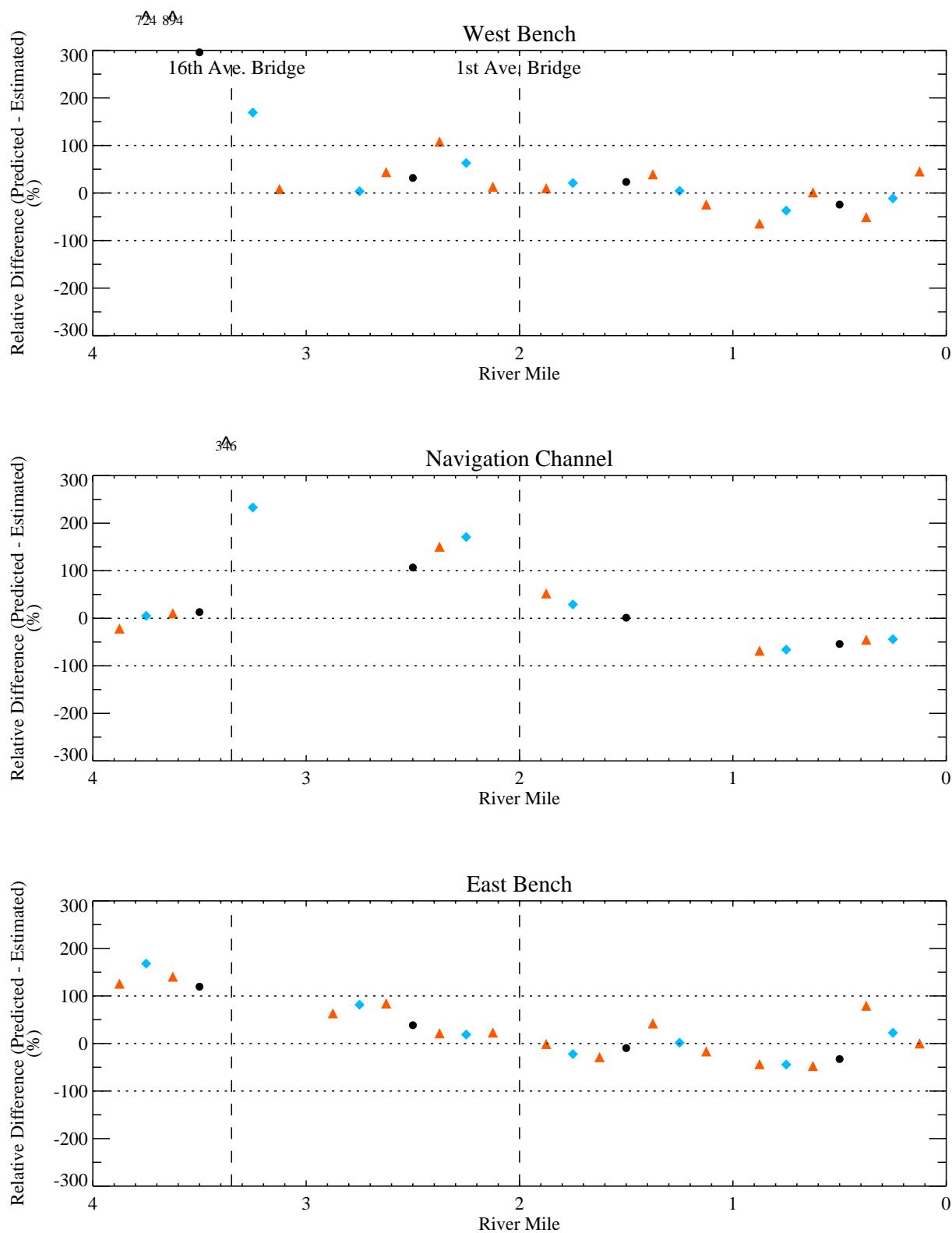


**Figure D-45. Cumulative frequency of relative difference in sedimentation rate (predicted - empirically-derived estimate): RM 2 to 4, 30-year simulation.**

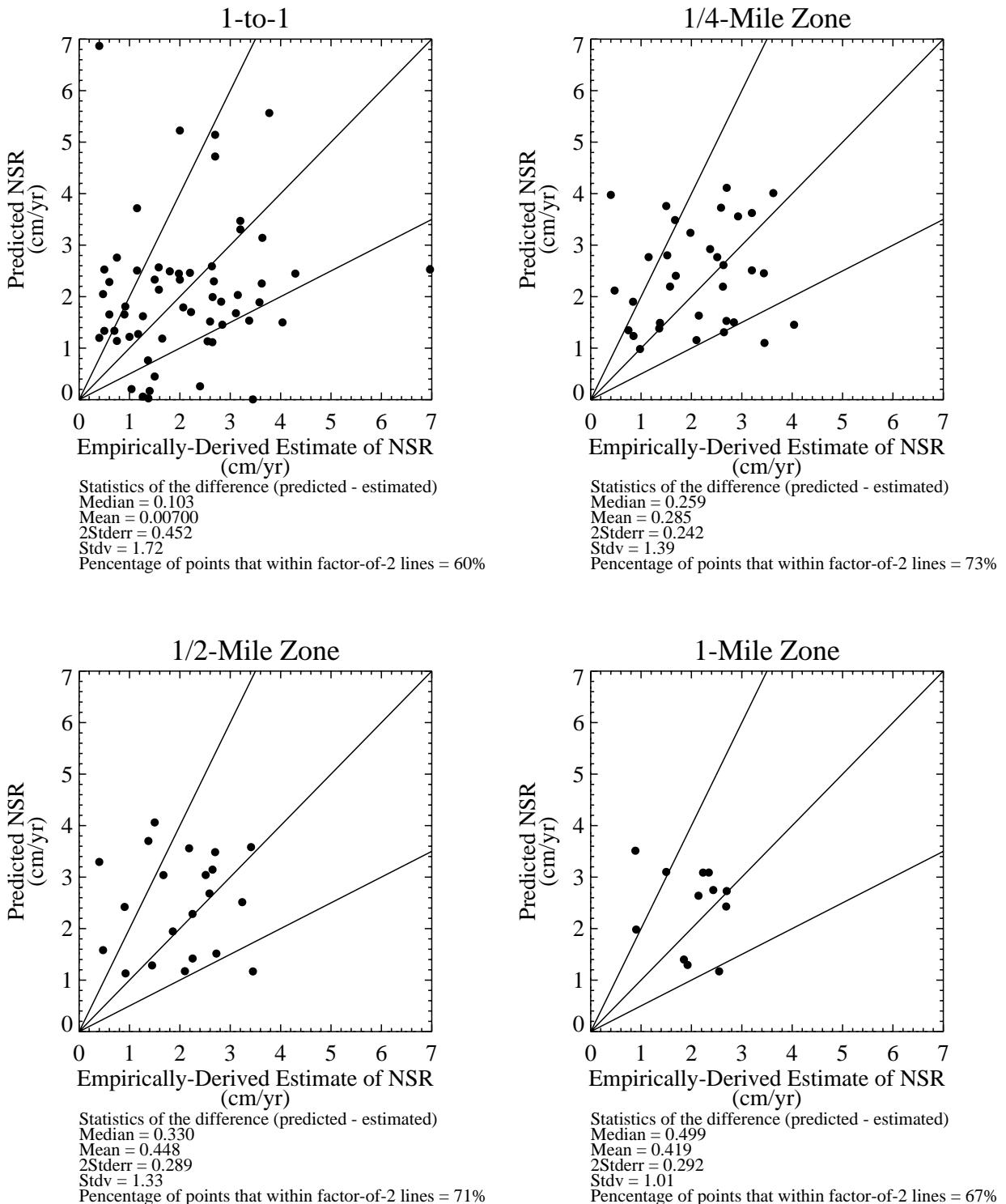


**Figure D-46. Spatial variation of spatial uncertainty: absolute difference (predicted - empirically-derived estimate).**

- 1-mile zone
- ◆ 1/2-mile zone
- ▲ 1/4-mile zone



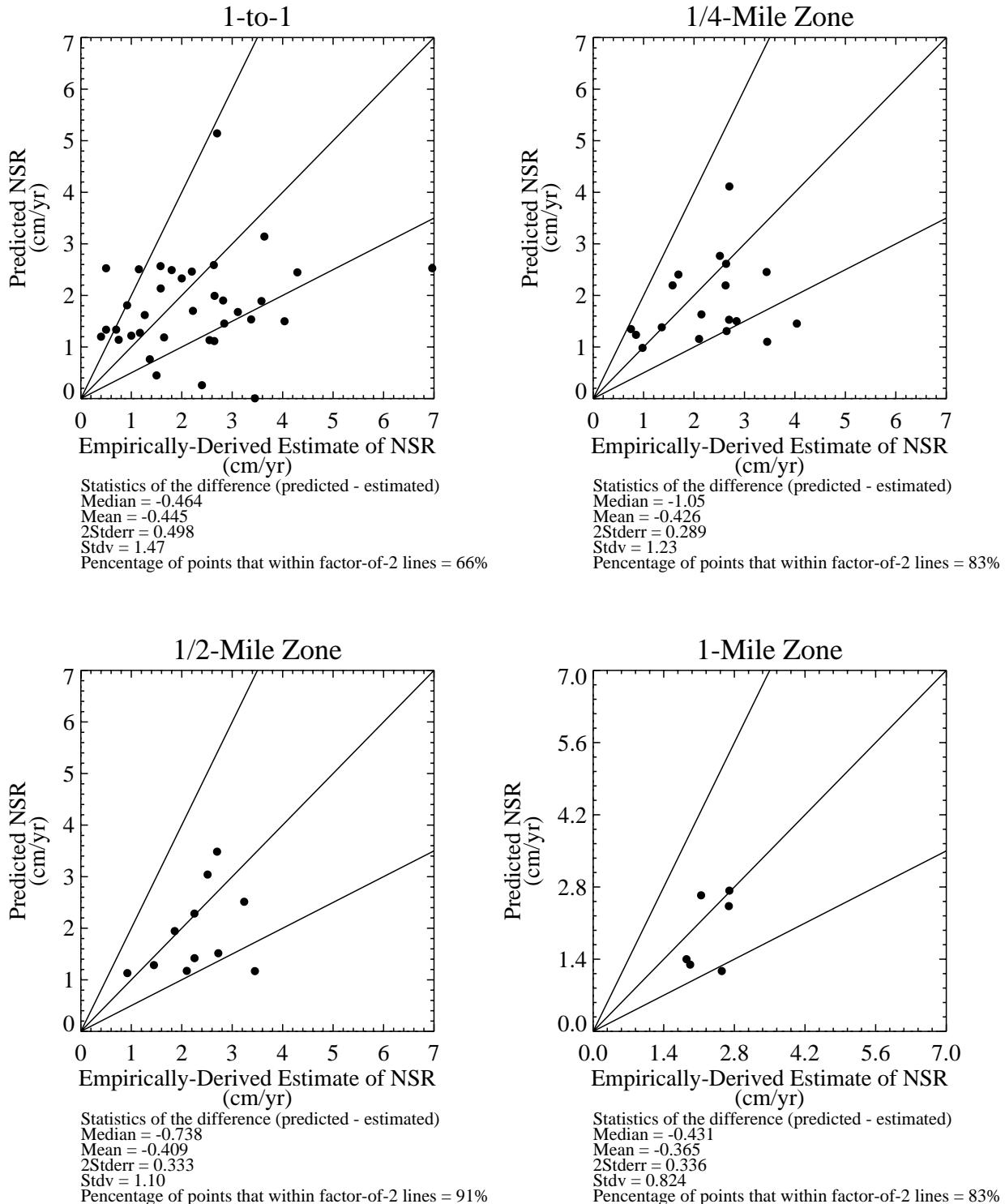
**Figure D-47. Spatial variation of spatial uncertainty: relative difference (predicted - empirically-derived estimate).**



**Figure D-48. Model data comparison of net sedimentation rate in RM 0 to 4: base case, 30-year simulation.**

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

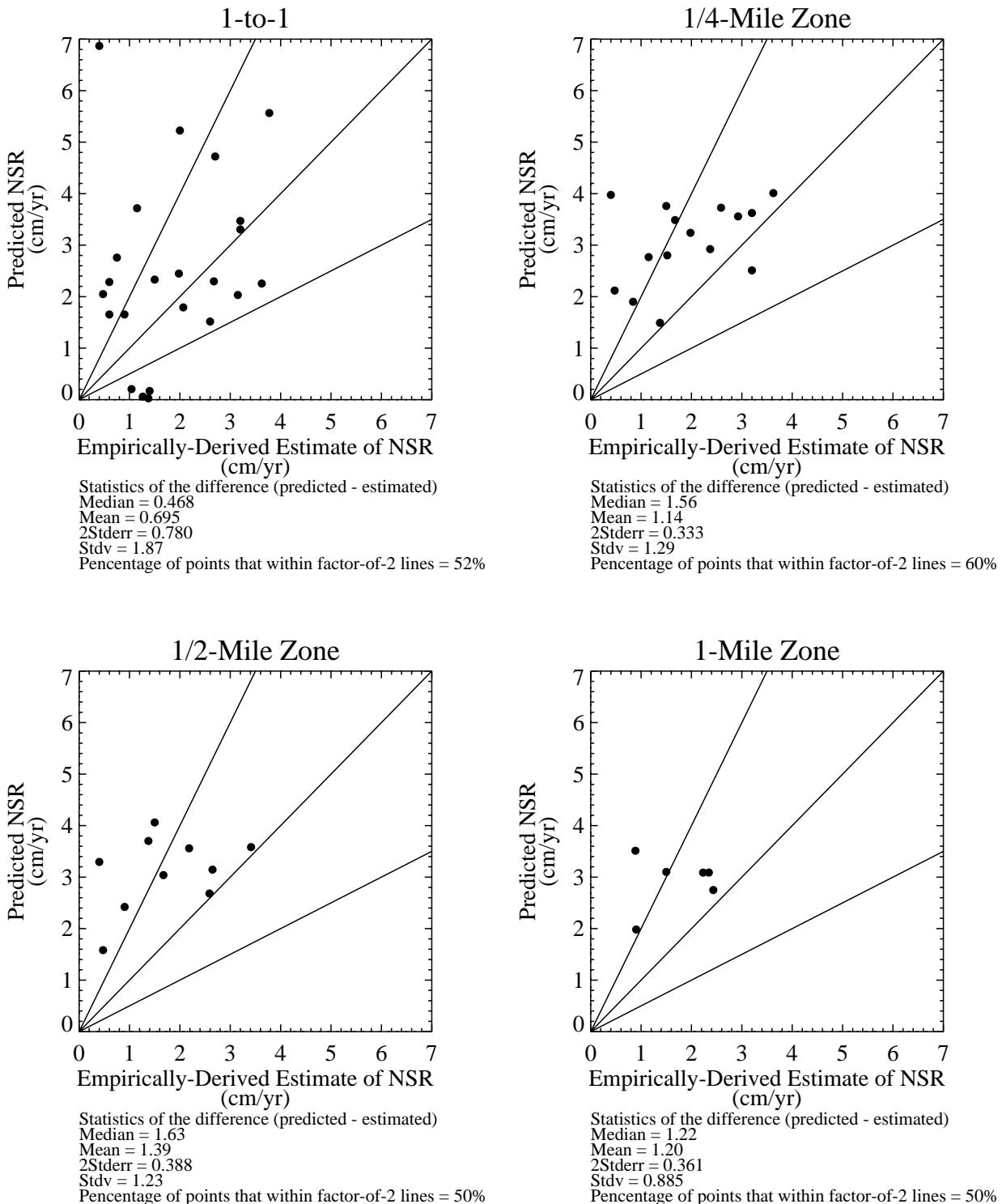
1. Calculate average NSR value for each zone based on predicted and estimated data, and create two data sets  $NSR_{pre\_zone}$  and  $NSR_{est\_zone}$  respectively.
2. Calculate statistics (mean, median, standard error and standard deviation) of  $NSR_{pre\_zone}$  and  $NSR_{est\_zone}$ .
3. The final 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 D-49. Model data comparison of net sedimentation rate in RM 0 to 2: base case, 30-year simulation.**

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

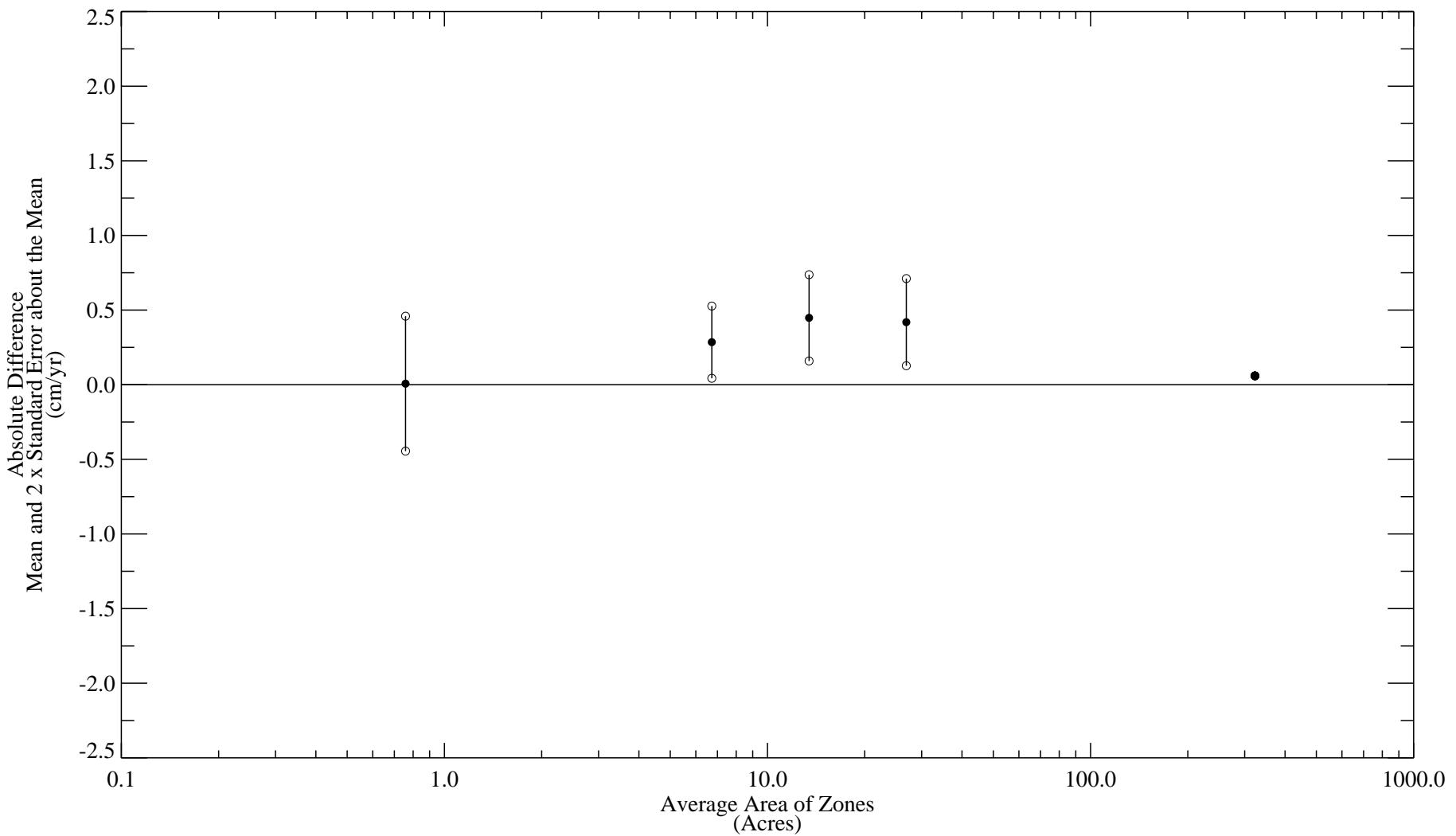
1. Calculate average NSR value for each zone based on predicted and estimated data, and create two data sets  $NSR_{pre\_zone}$  and  $NSR_{est\_zone}$  respectively.
2. Calculate statistics (mean, median, standard error and standard deviation) of  $NSR_{pre\_zone}$  and  $NSR_{est\_zone}$ .
3. The final 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 D-50. Model data comparison of net sedimentation rate in RM 2 to 4: base case, 30-year simulation.**

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

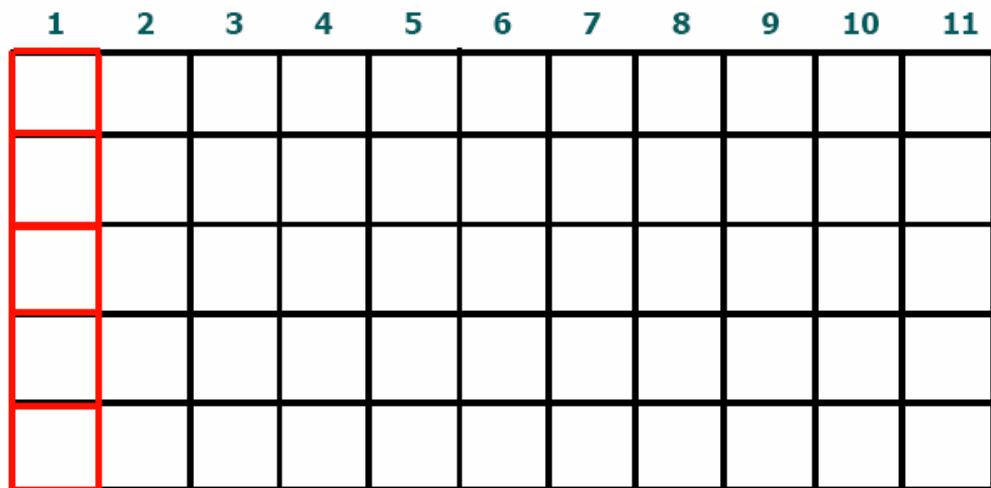
1. Calculate average NSR value for each zone based on predicted and estimated data, and create two data sets  $NSR_{pre\_zone}$  and  $NSR_{est\_zone}$  respectively.
2. Calculate statistics (mean, median, standard error and standard deviation) of  $NSR_{pre\_zone}$  and  $NSR_{est\_zone}$ .
3. The final 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..



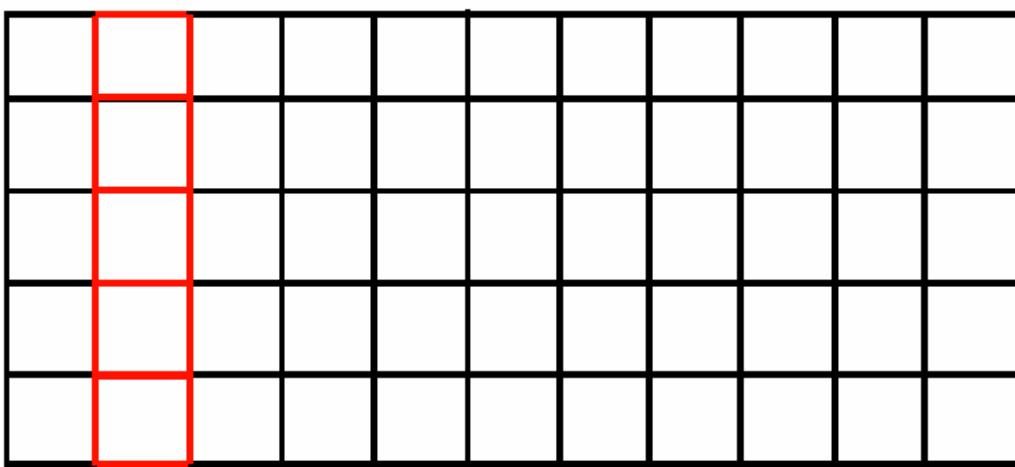
**Figure D-51. Absolute difference in net sedimentation rate for different spatial scale: base case, 30-year simulation.**

The solid dot represents the mean values. From left to right are for 1-to-1 data, 48-zone, 24-zone, 12-zone, and 1-zone (all area for RM 0-4) respectively. For given spatial scale, the statistics of the absolute difference in net sedimentation rate (NSR) (predicted - estimated) is calculated as follows.

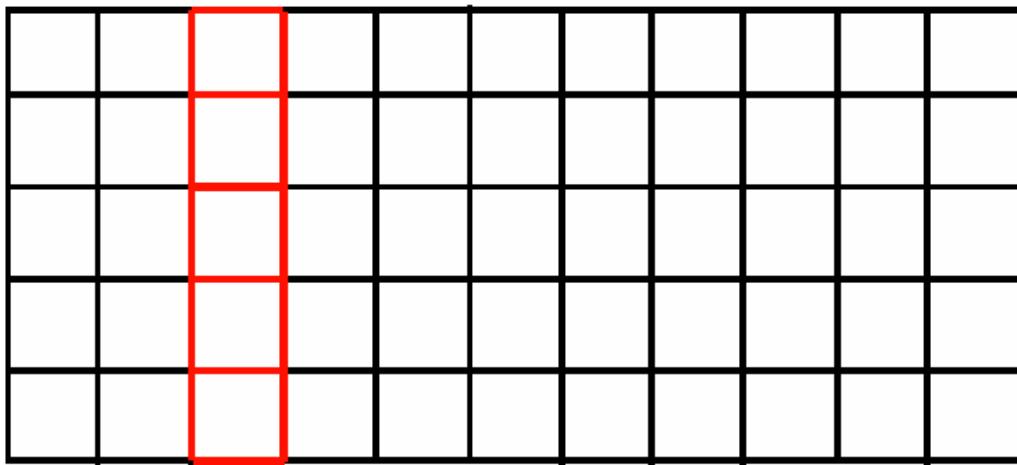
1. Calculate average NSR value for each zone based on predicted and estimated data, and create two data sets  $NSR_{pre\_zone}$  and  $NSR_{est\_zone}$  respectively.
2. Calculate statistics (mean, median, standard error and standard deviation) of  $NSR_{pre\_zone}$  and  $NSR_{est\_zone}$ .
3. The final 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..



Zone 1

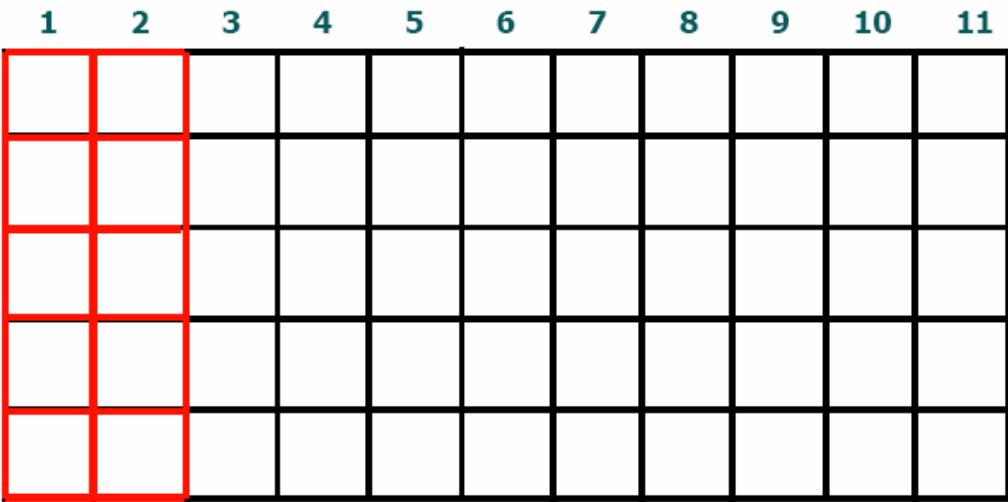


Zone 2

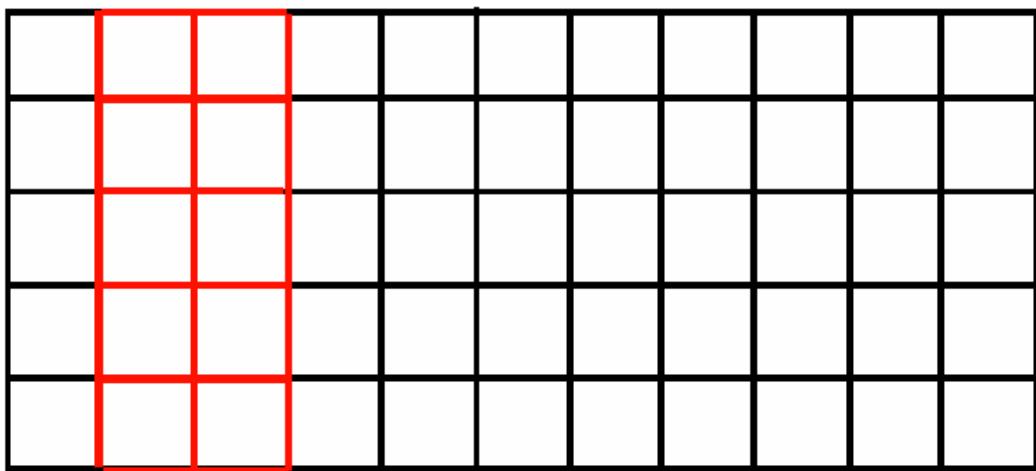


Zone 3

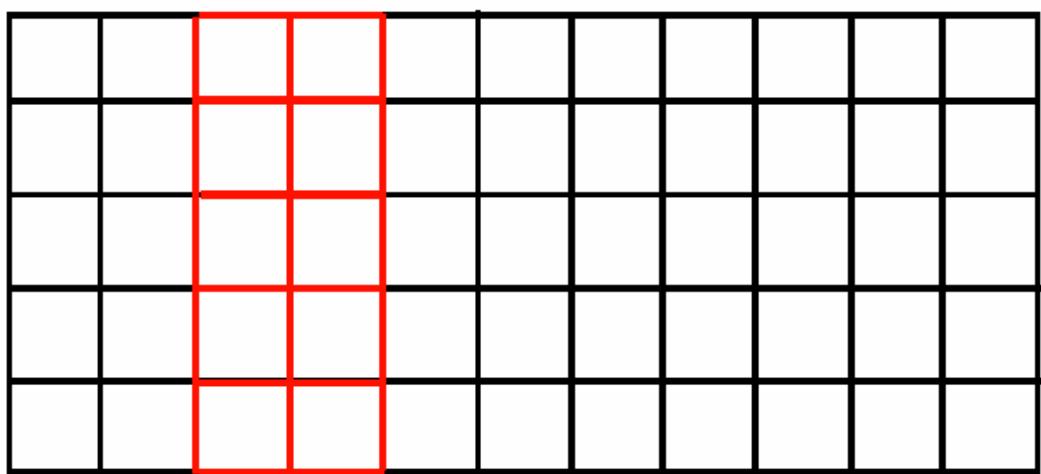
**Figure D-52.** Example of 1-row zones for spatial-scale analysis. Total of eleven 1-row zones for this illustrative example.



Zone 1

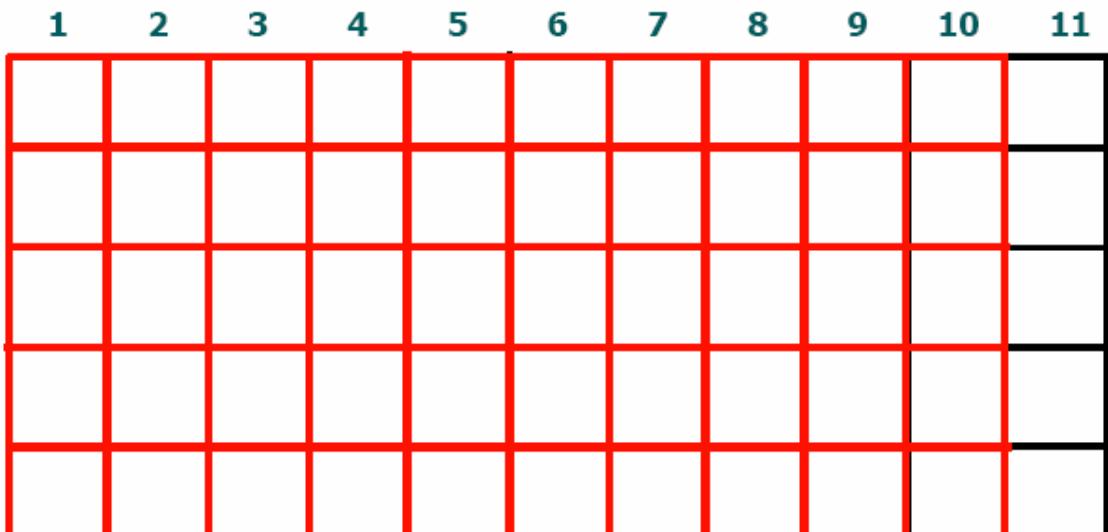


Zone 2

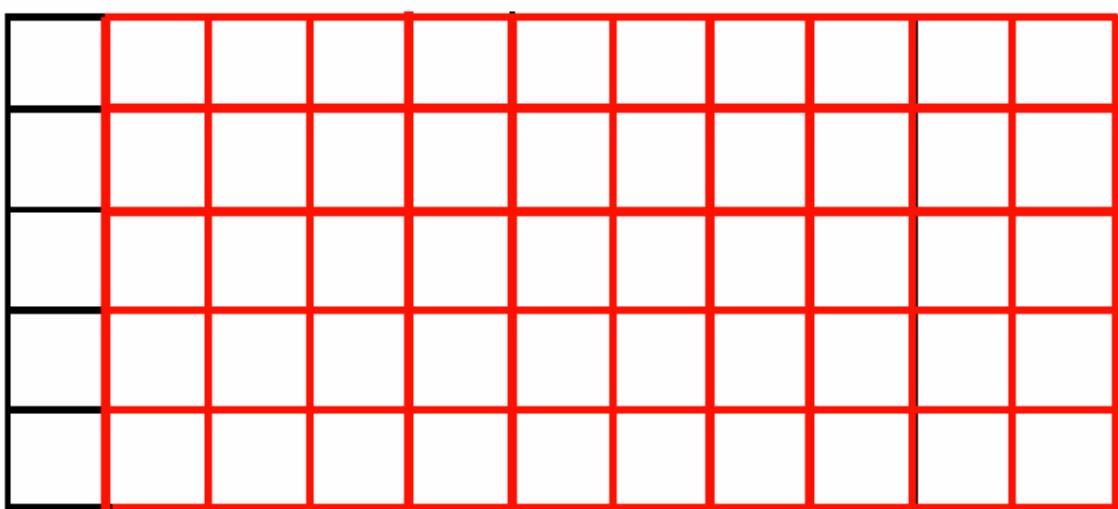


Zone 3

Figure D-53. Example of 2-row zones for spatial-scale analysis. Total of ten 2-row zones for this illustrative example.

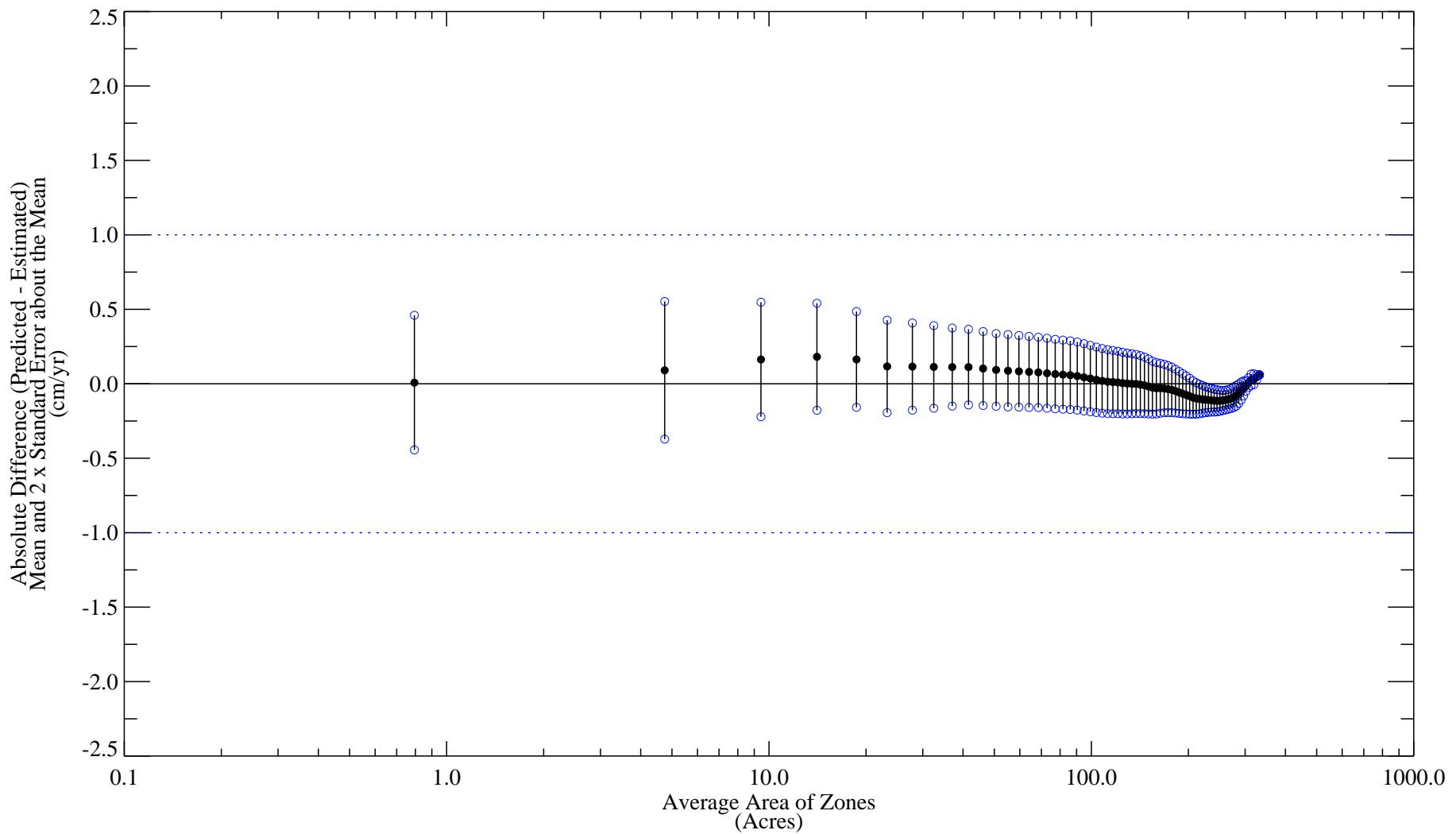


Zone 1



Zone 2

**Figure D-54.** Example of 10-row zones for spatial-scale analysis. Total of two 10-row zones for this illustrative example.

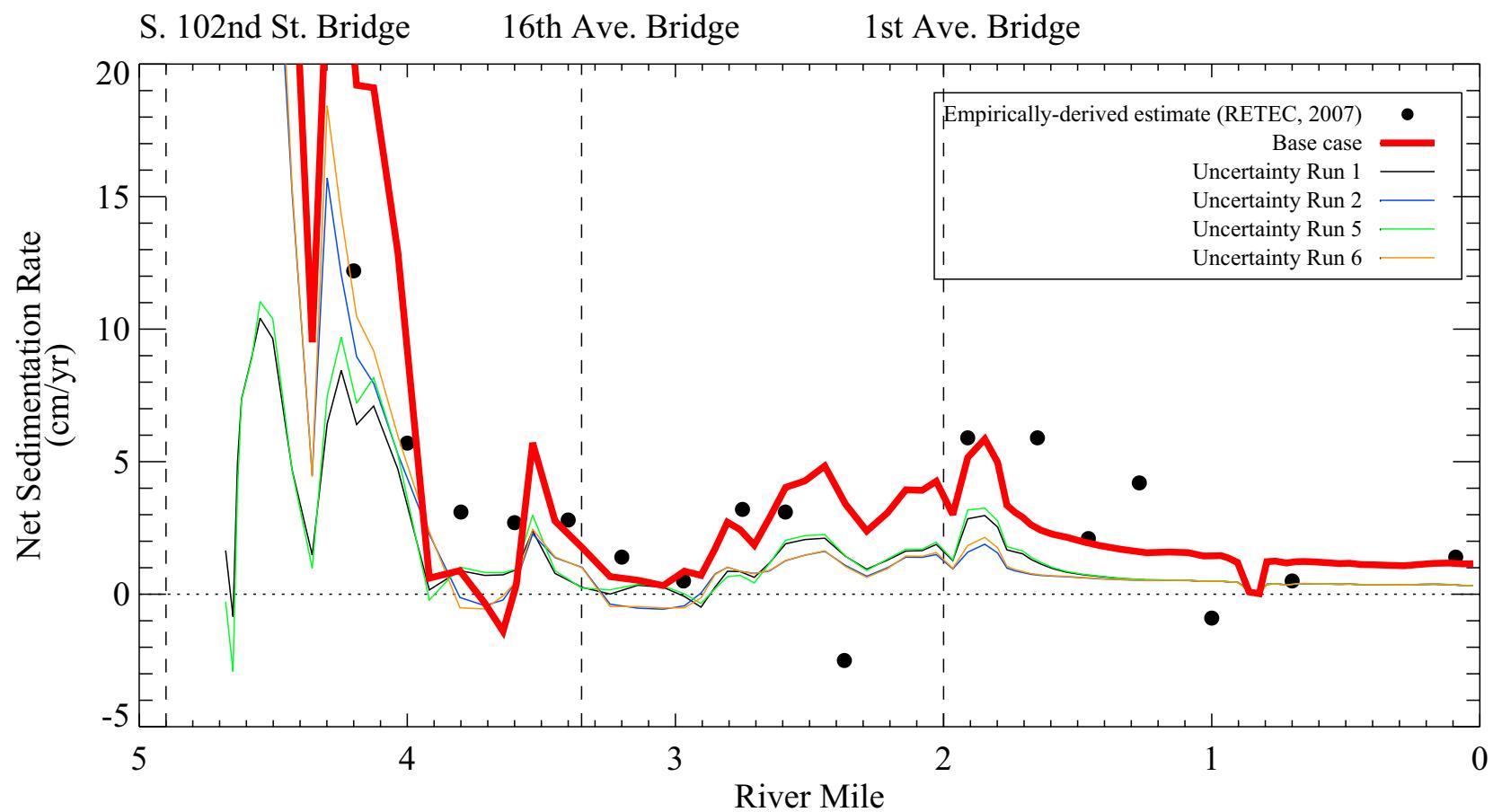


**Figure D-55. Absolute difference in net sedimentation rate for different spatial scale: base case, RM 0 to 4, 30-year simulation.**

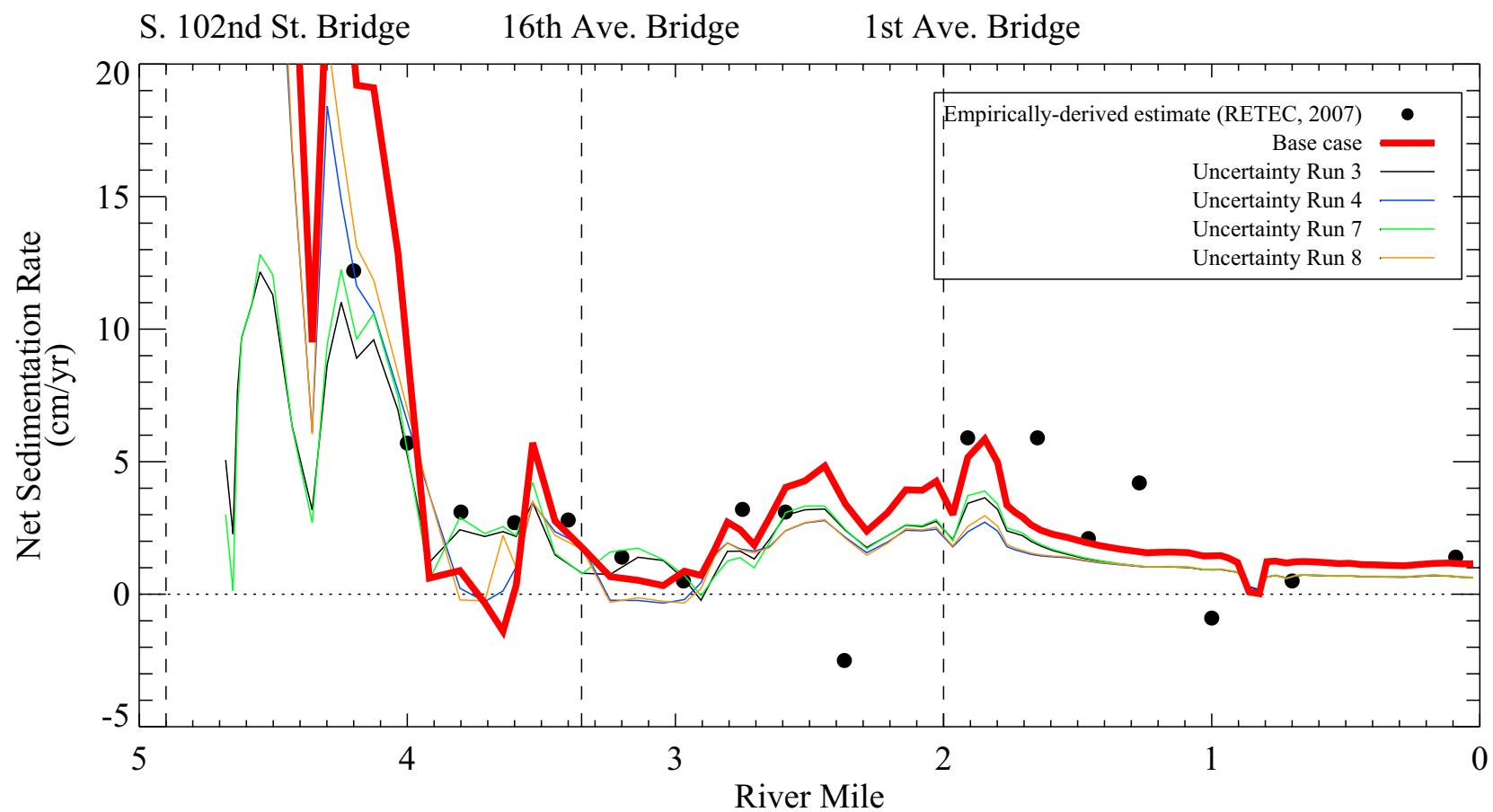
The solid dot represents the mean values for given spatial scale.

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

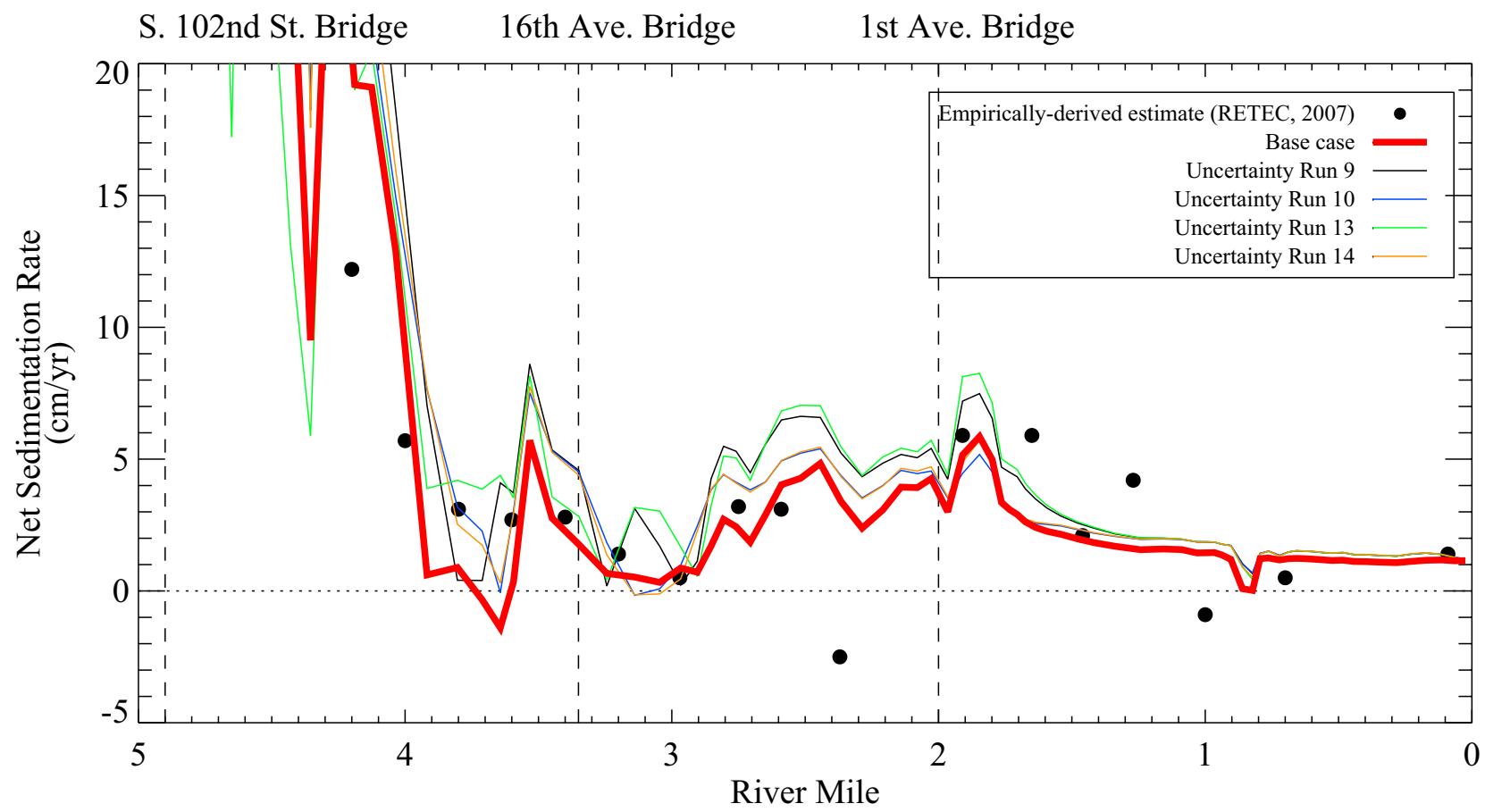
1. Calculate average NSR value for each zone for given spatial scale based on predicted and empirically-derived estimate of NSR, and create two data sets  $NSR_{pre\_zone}$  and  $NSR_{est\_zone}$  respectively.
2. Calculate statistics (mean, median, standard error and standard deviation) of  $NSR_{pre\_zone}$  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..



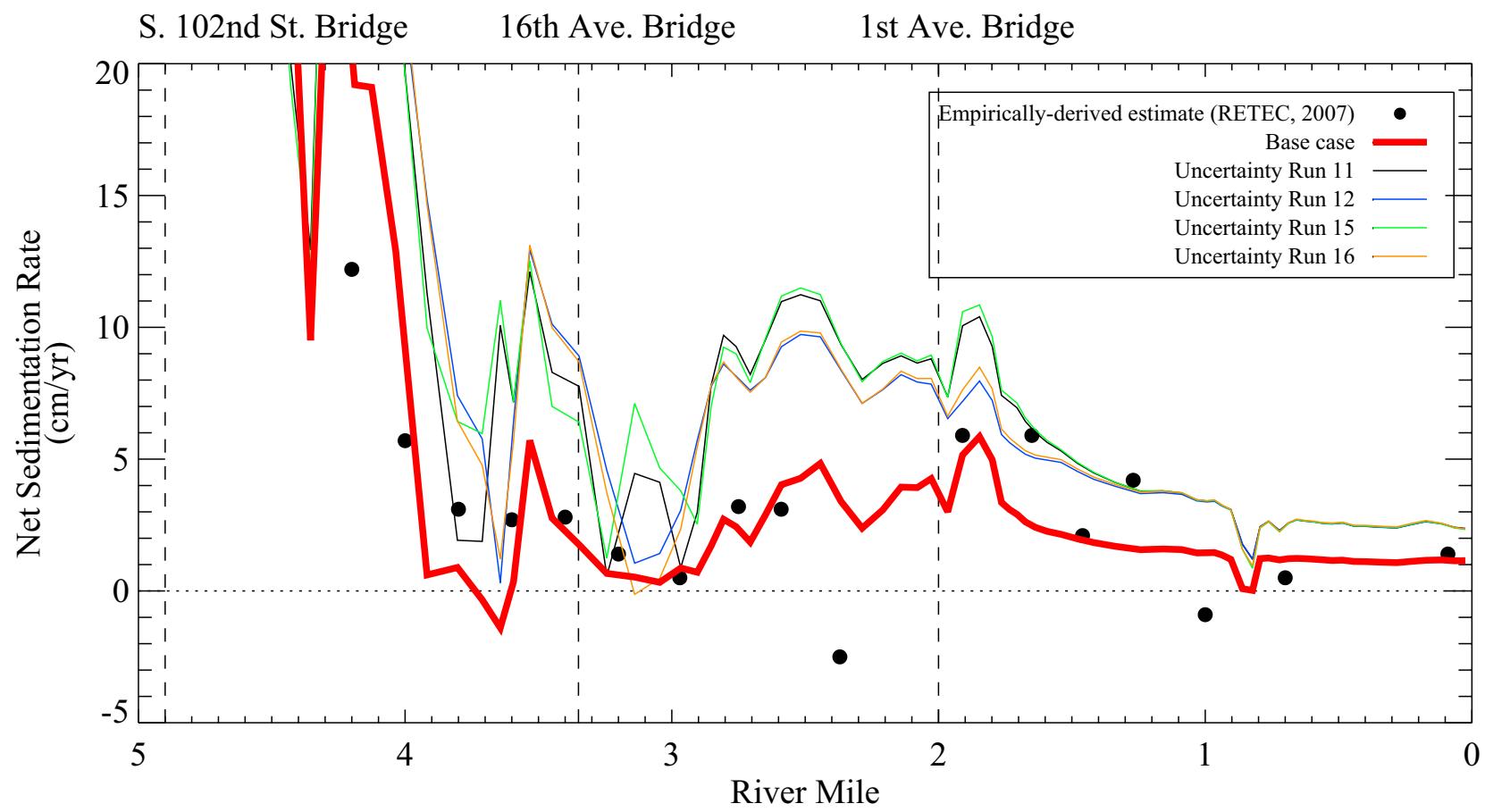
**Figure D-56. Comparison of predicted and empirically-derived net sedimentation rates in the navigation channel for 6-year period: uncertainty runs 1, 2, 5, and 6.**



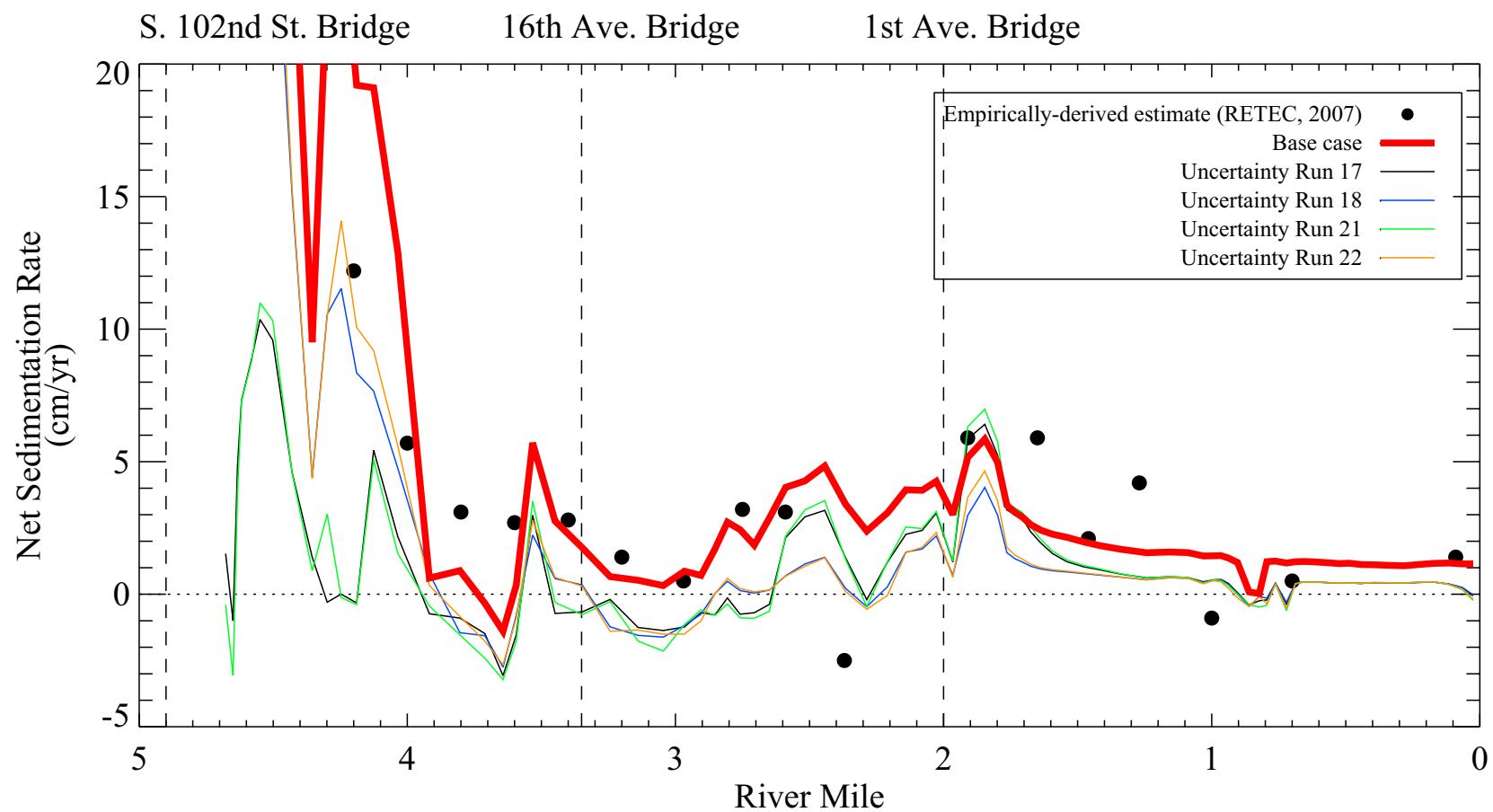
**Figure D-57. Comparison of predicted and empirically-derived net sedimentation rates in the navigation channel for 6-year period: uncertainty runs 3, 4, 7, and 8.**



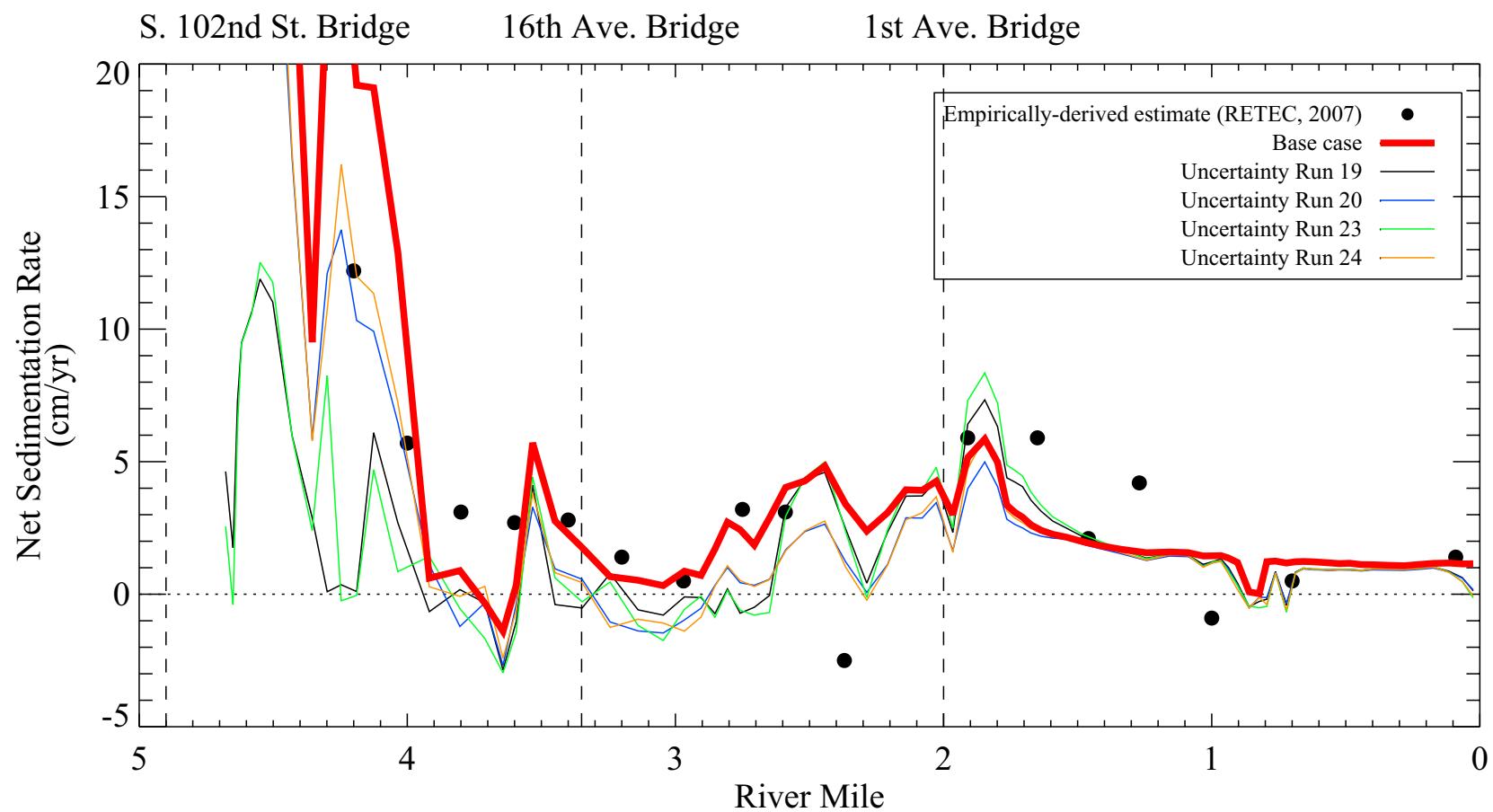
**Figure D-58. Comparison of predicted and empirically-derived net sedimentation rates in the navigation channel for 6-year period: uncertainty runs 9, 10, 13, and 14.**



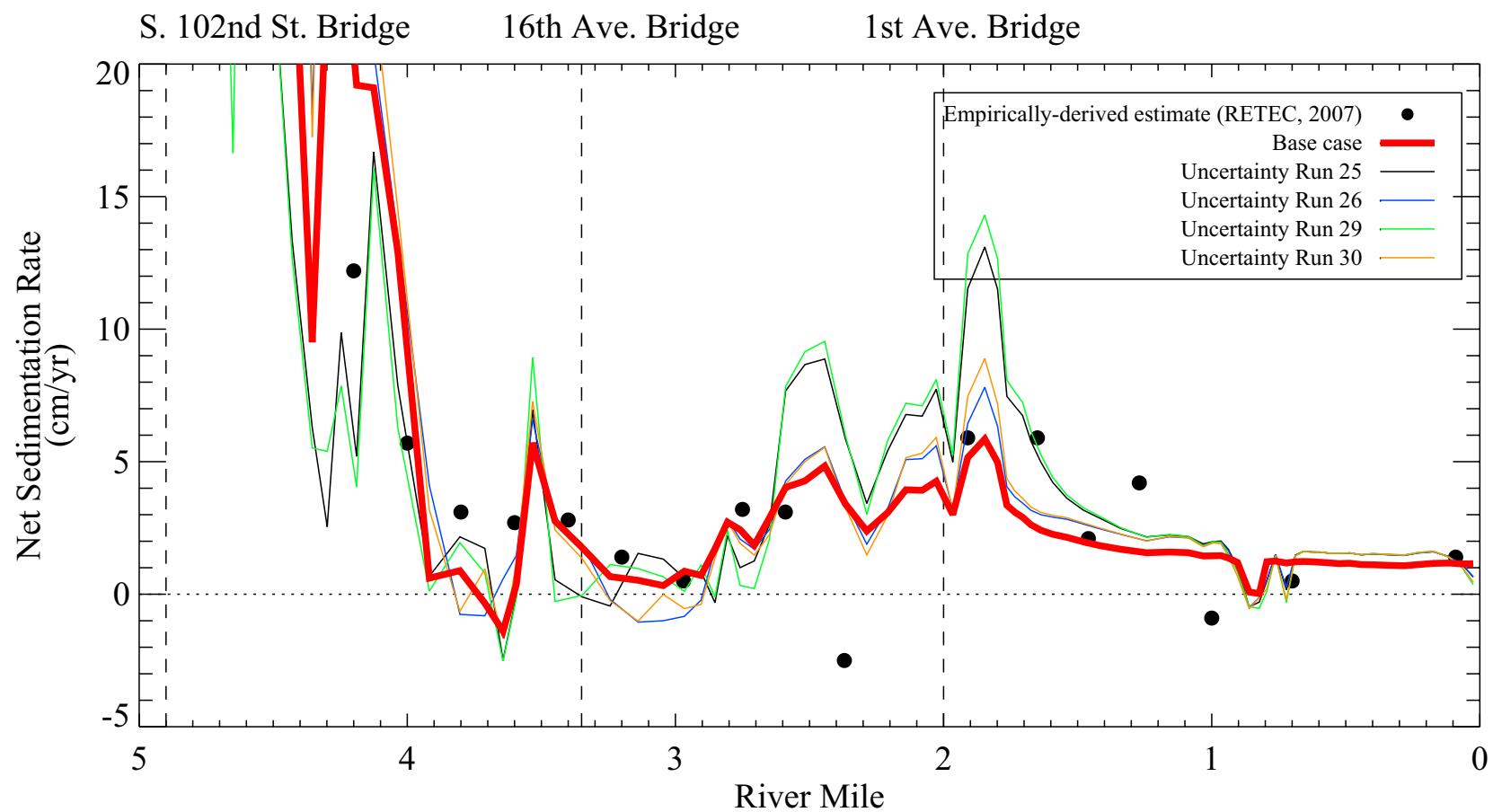
**Figure D-59. Comparison of predicted and empirically-derived net sedimentation rates in the navigation channel for 6-year period: uncertainty runs 11, 12, 15, and 16.**



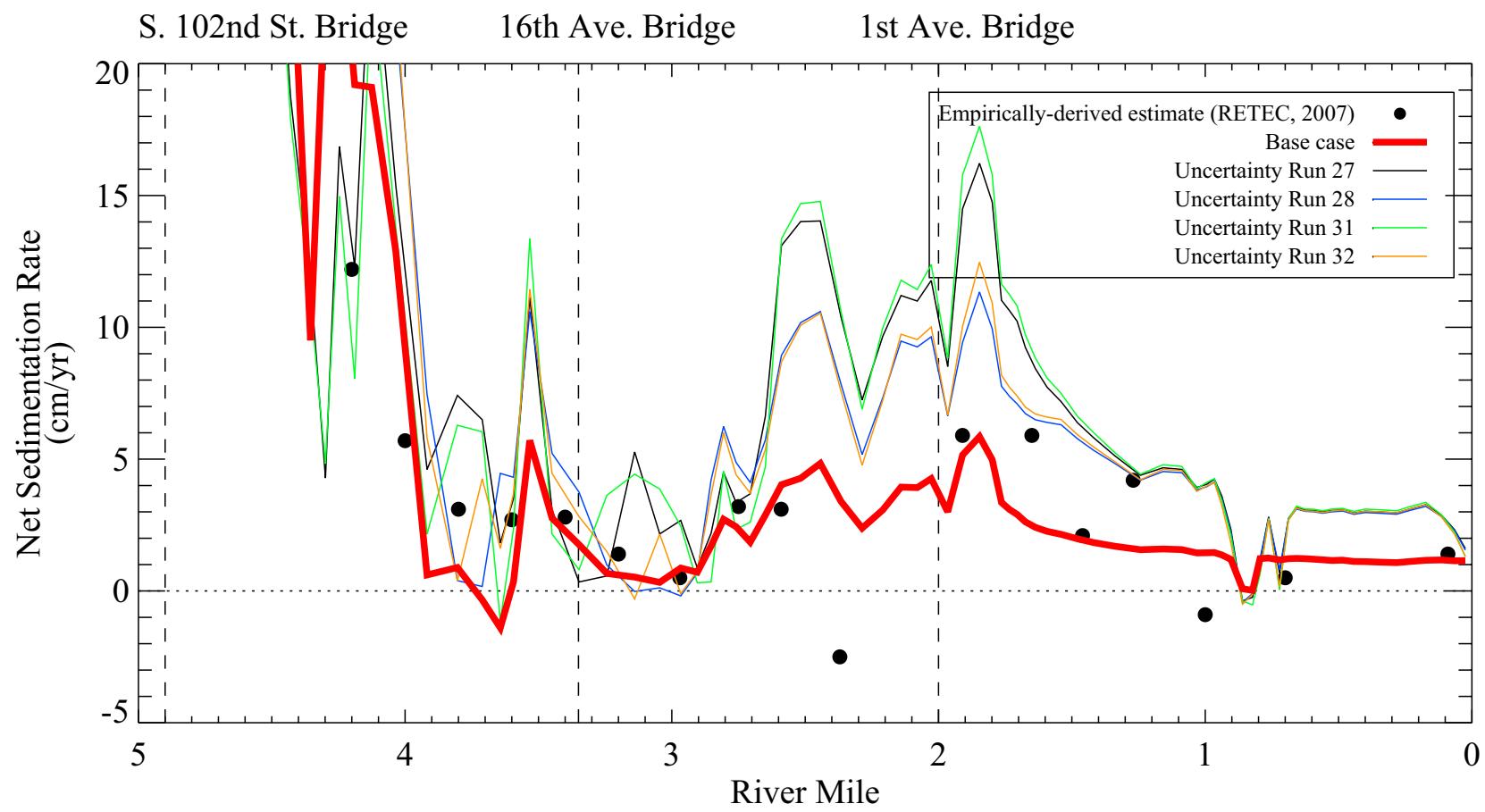
**Figure D-60. Comparison of predicted and empirically-derived net sedimentation rates in the navigation channel for 6-year period: uncertainty runs 17, 18, 21, and 22.**



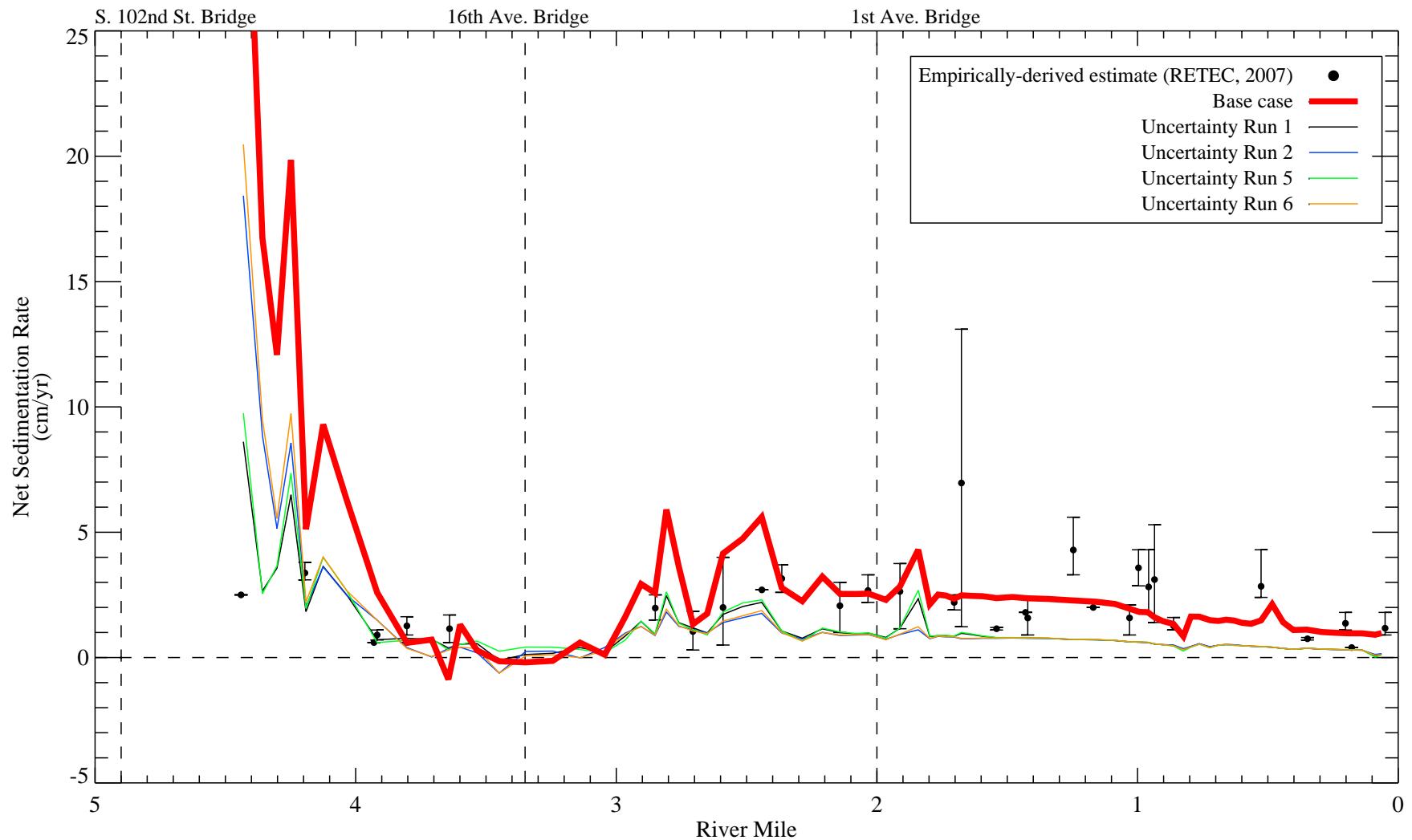
**Figure D-61. Comparison of predicted and empirically-derived net sedimentation rates in the navigation channel for 6-year period: uncertainty runs 19, 20, 23, and 24.**



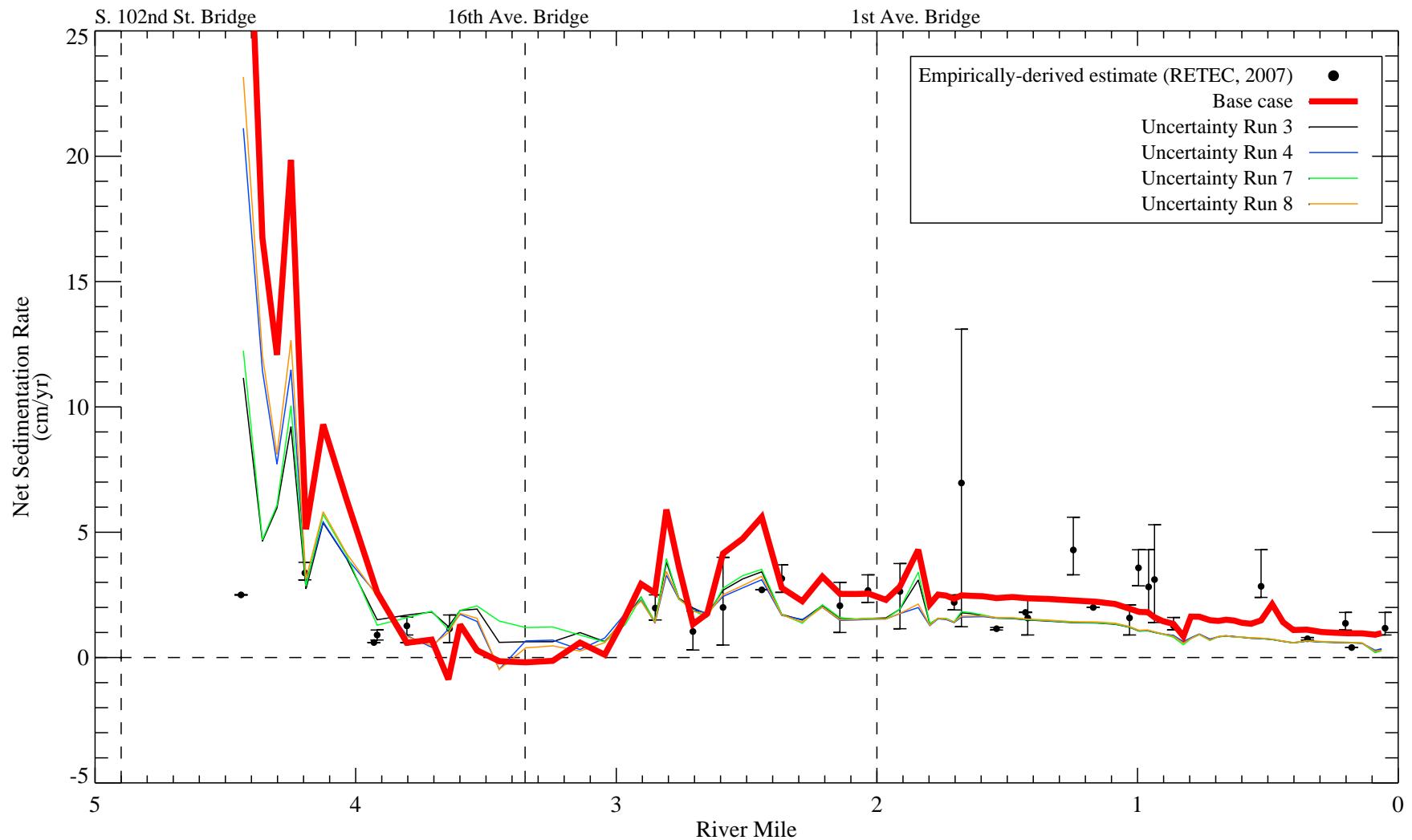
**Figure D-62. Comparison of predicted and empirically-derived net sedimentation rates in the navigation channel for 6-year period: uncertainty runs 25, 26, 29, and 30.**



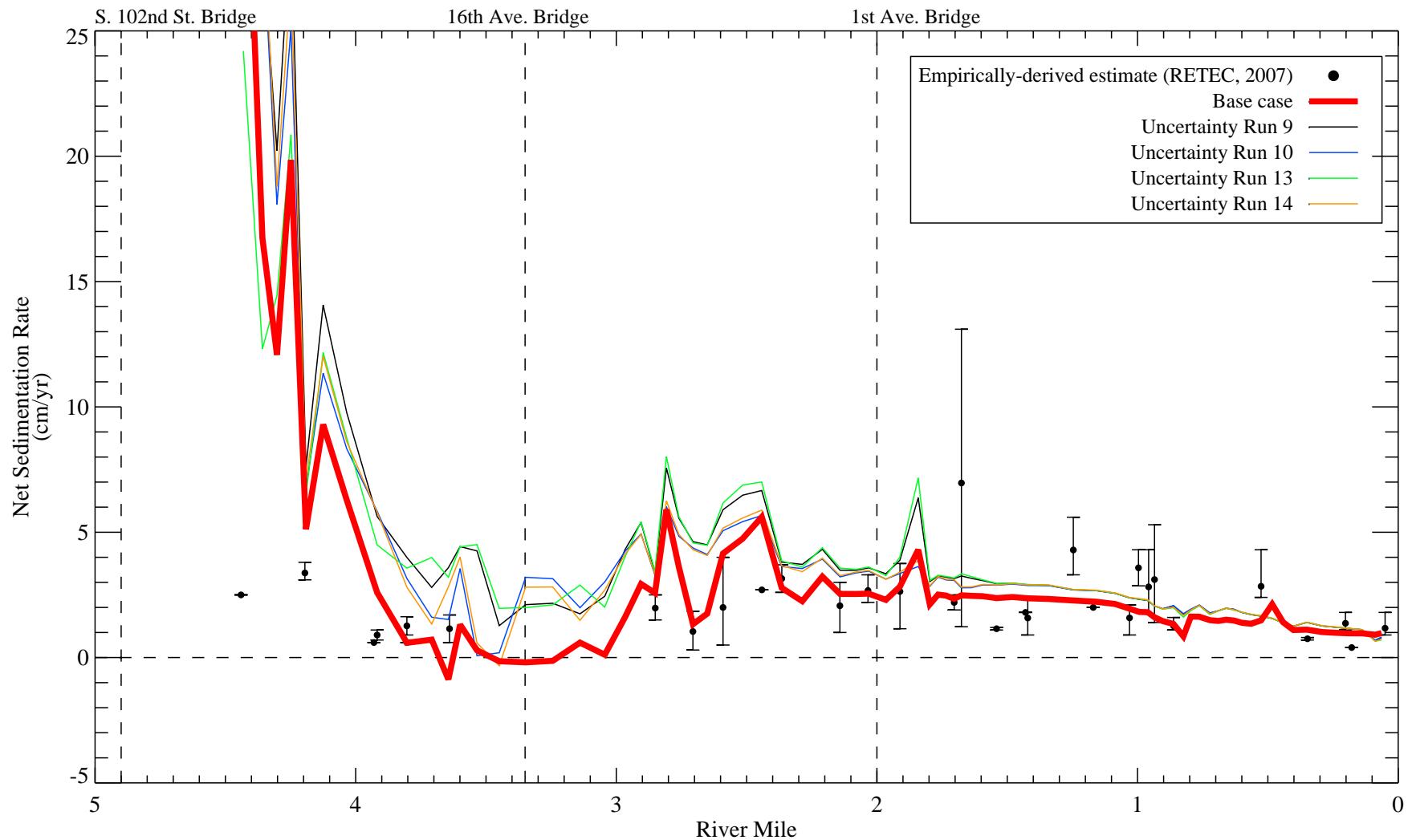
**Figure D-63. Comparison of predicted and empirically-derived net sedimentation rates in the navigation channel for 6-year period: uncertainty runs 27, 28, 31, and 32.**



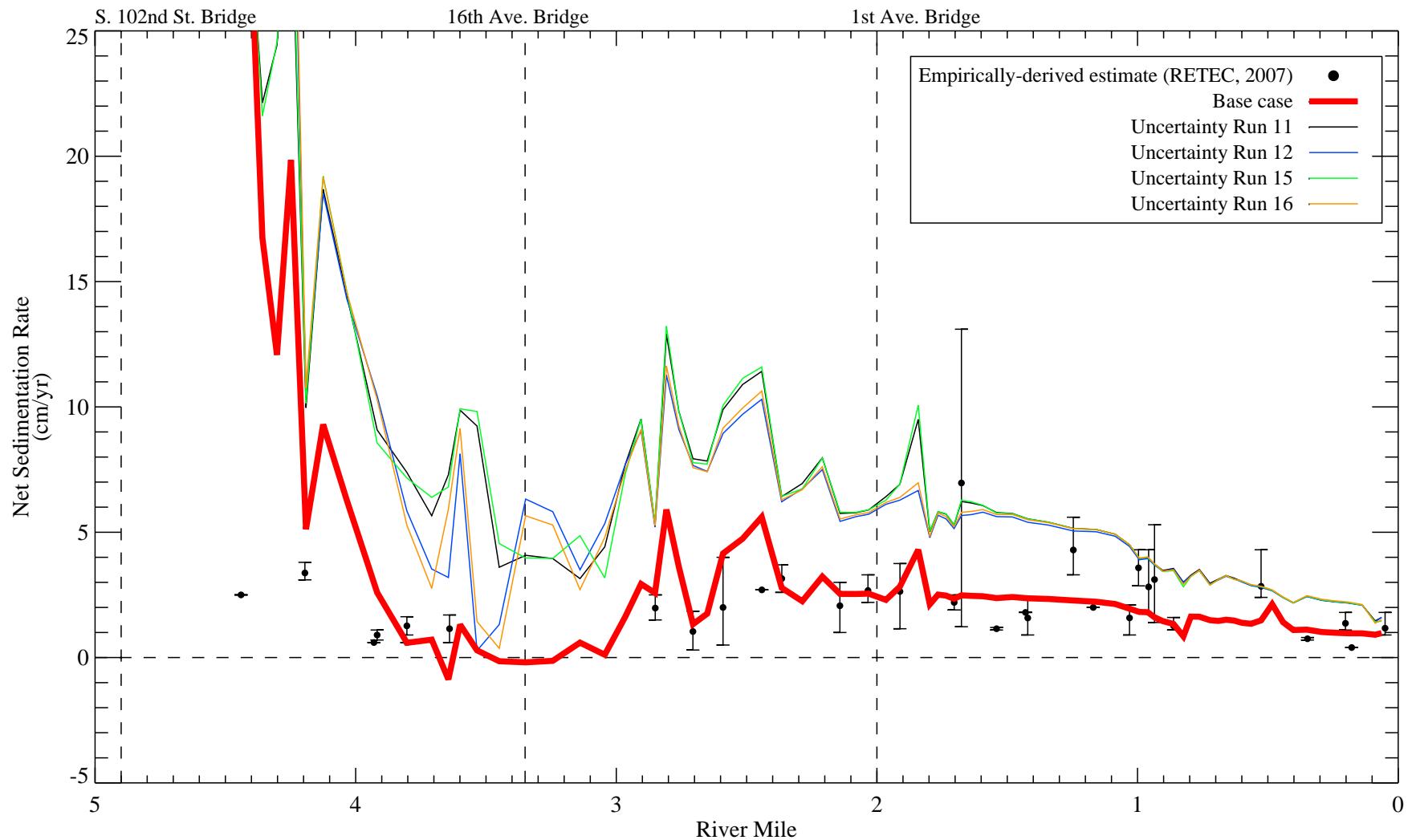
**Figure D-64. Comparison of predicted and empirically-derived net sedimentation rates in the east bench areas: uncertainty runs 1, 2, 5, and 6.**



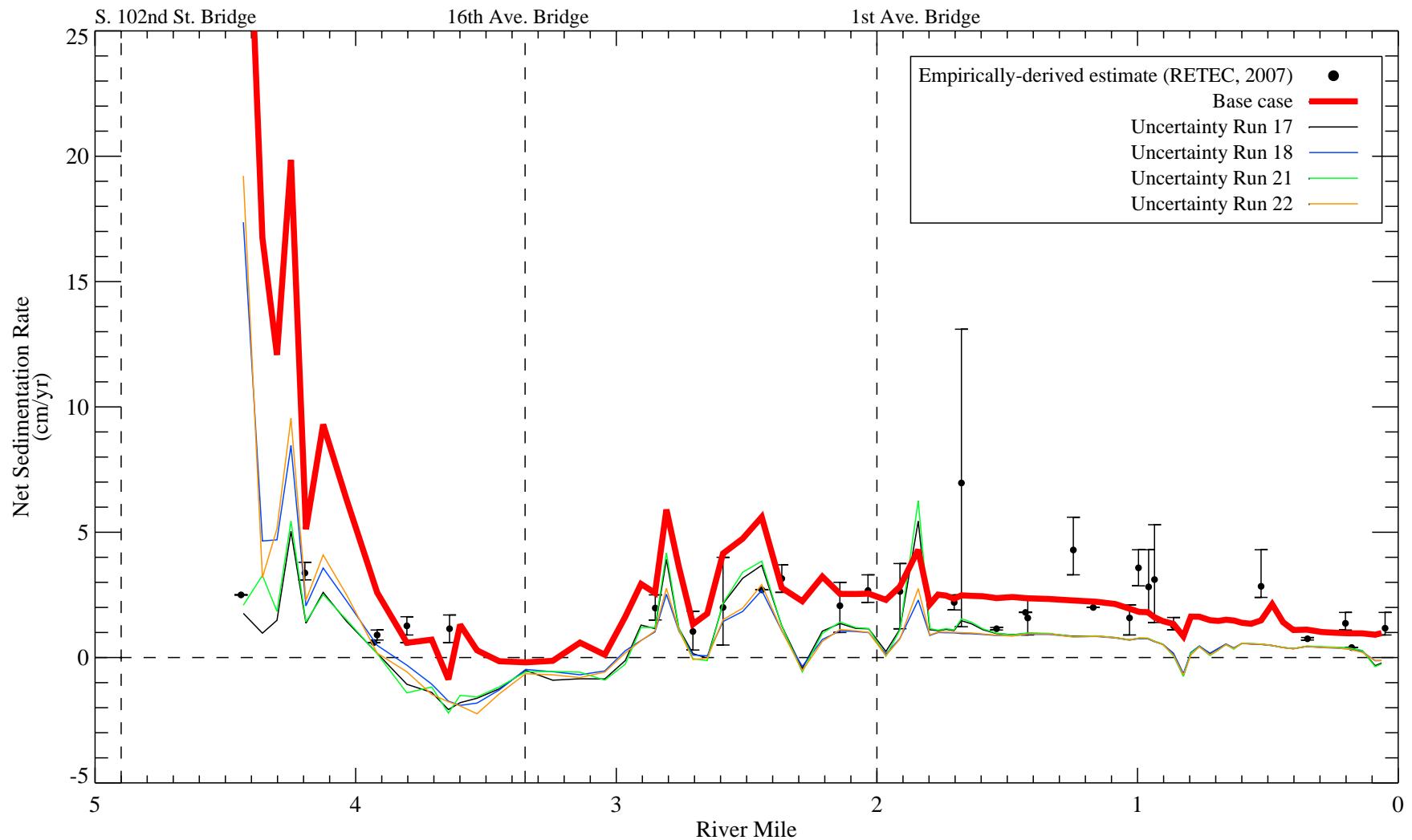
**Figure D-65. Comparison of predicted and empirically-derived net sedimentation rates in the east bench areas: uncertainty runs 3, 4, 7, and 8.**



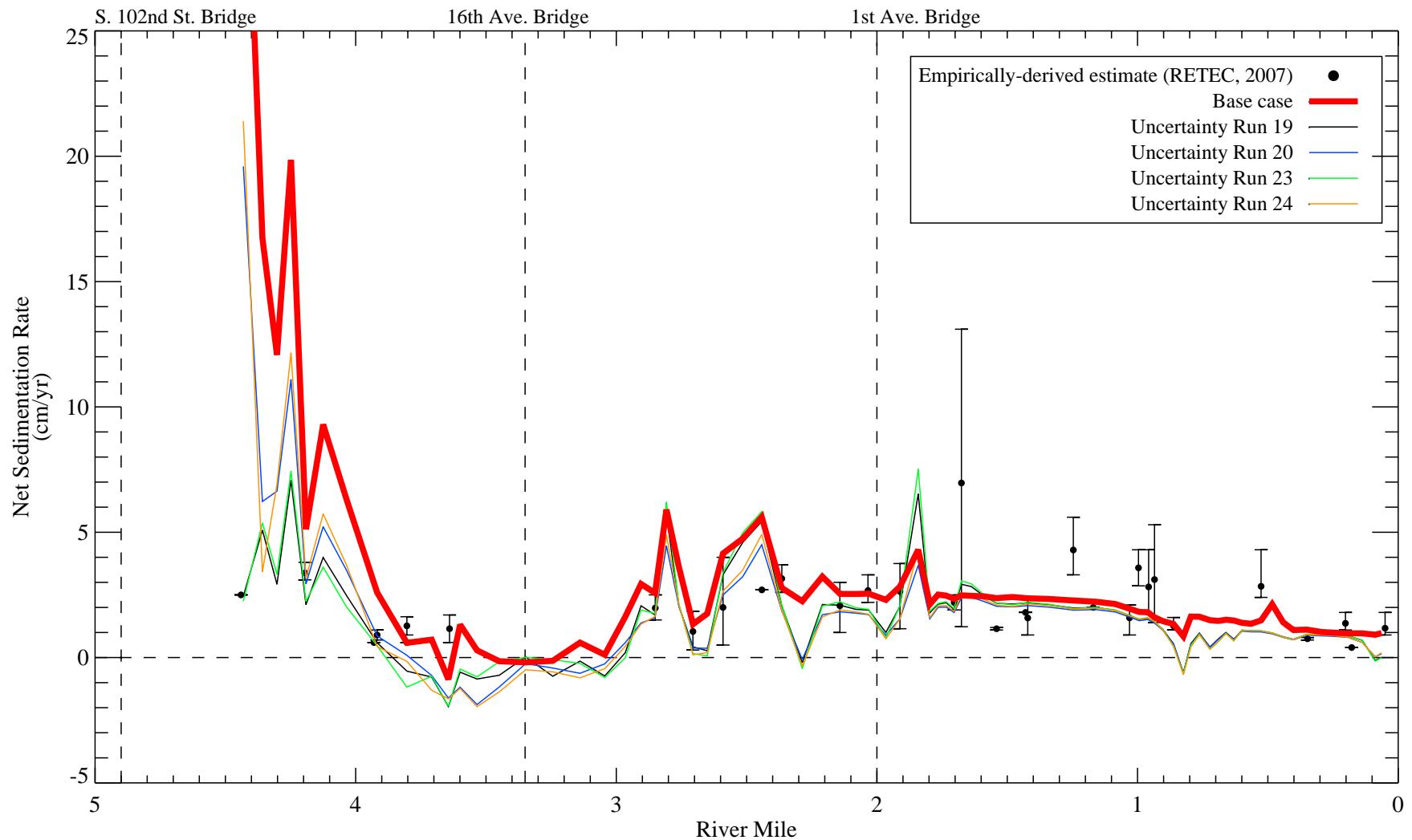
**Figure D-66. Comparison of predicted and empirically-derived net sedimentation rates in the east bench areas: uncertainty runs 9, 10, 13, and 14.**



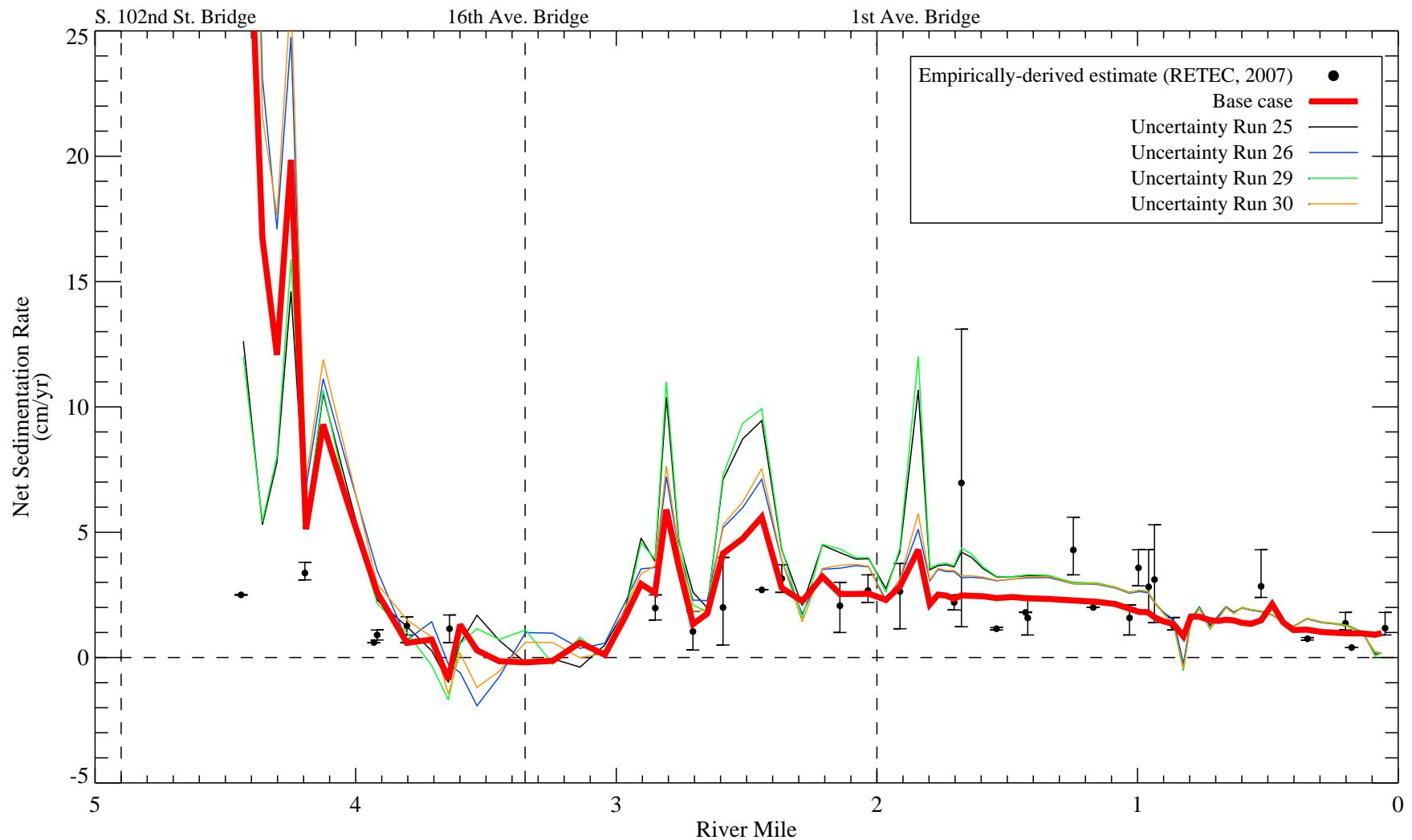
**Figure D-67. Comparison of predicted and empirically-derived net sedimentation rates in the east bench areas: uncertainty runs 11, 12, 15, and 16.**



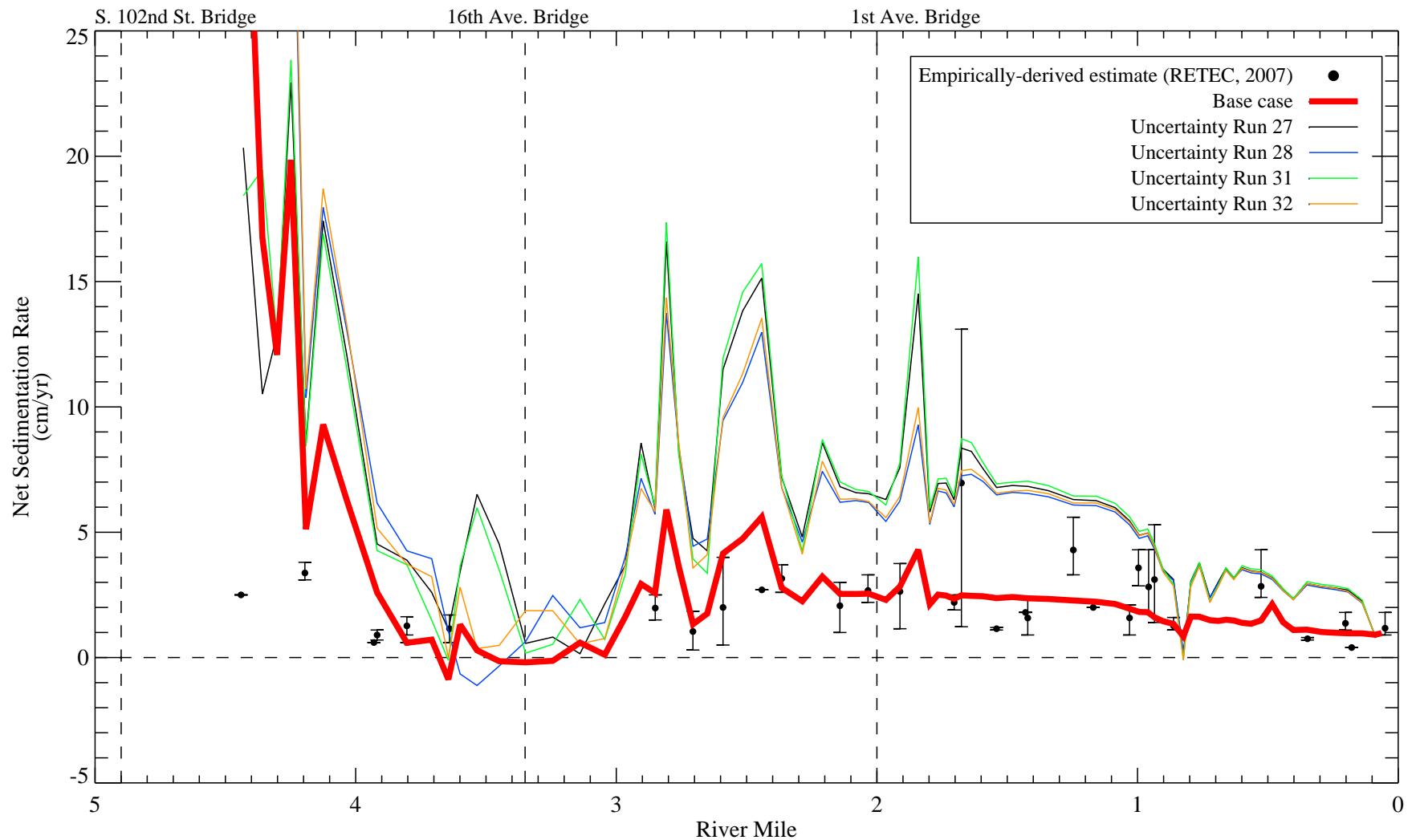
**Figure D-68. Comparison of predicted and empirically-derived net sedimentation rates in the east bench areas: uncertainty runs 17, 18, 21, and 22.**



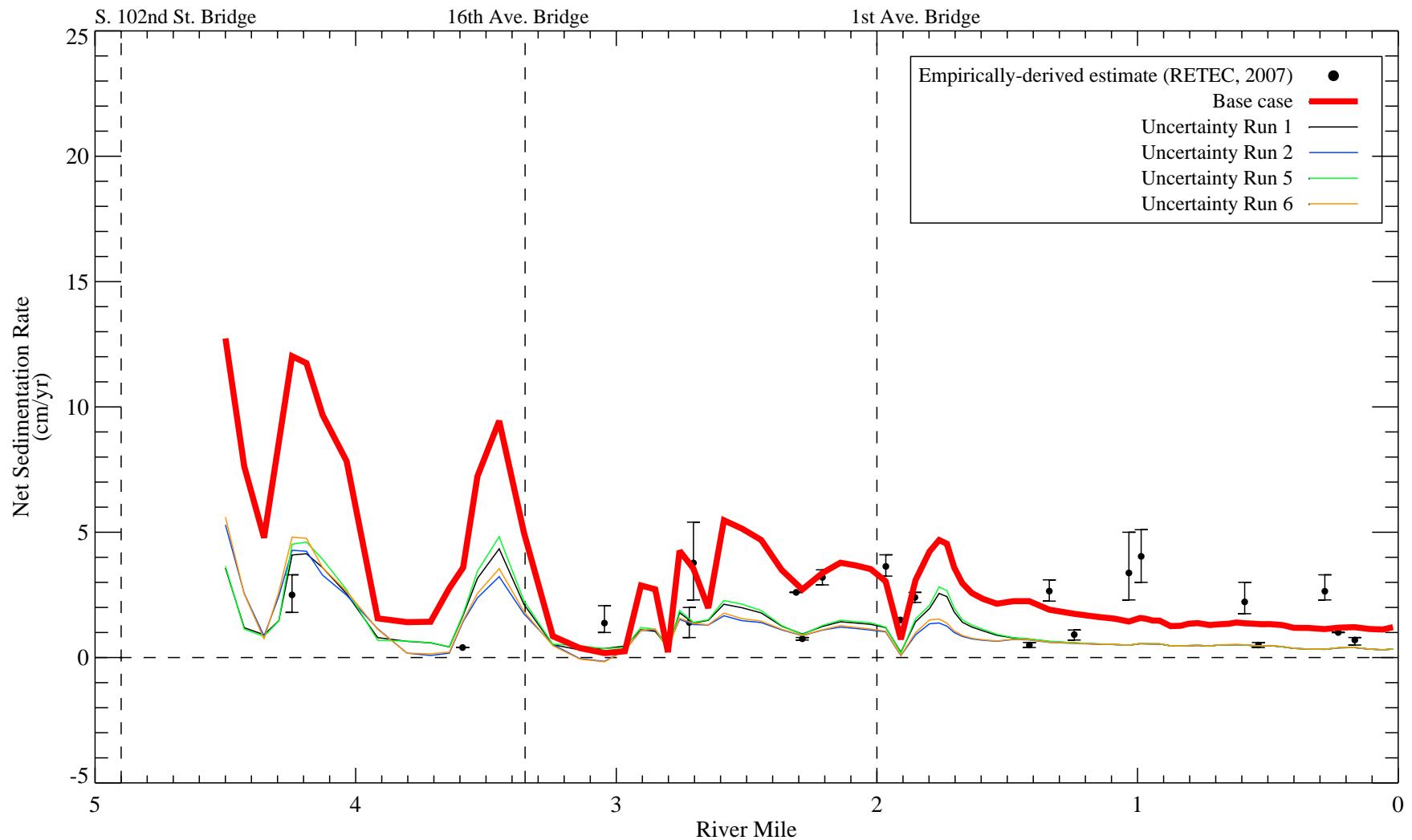
**Figure D-69. Comparison of predicted and empirically-derived net sedimentation rates in the east bench areas: uncertainty runs 19, 20, 23, and 24.**



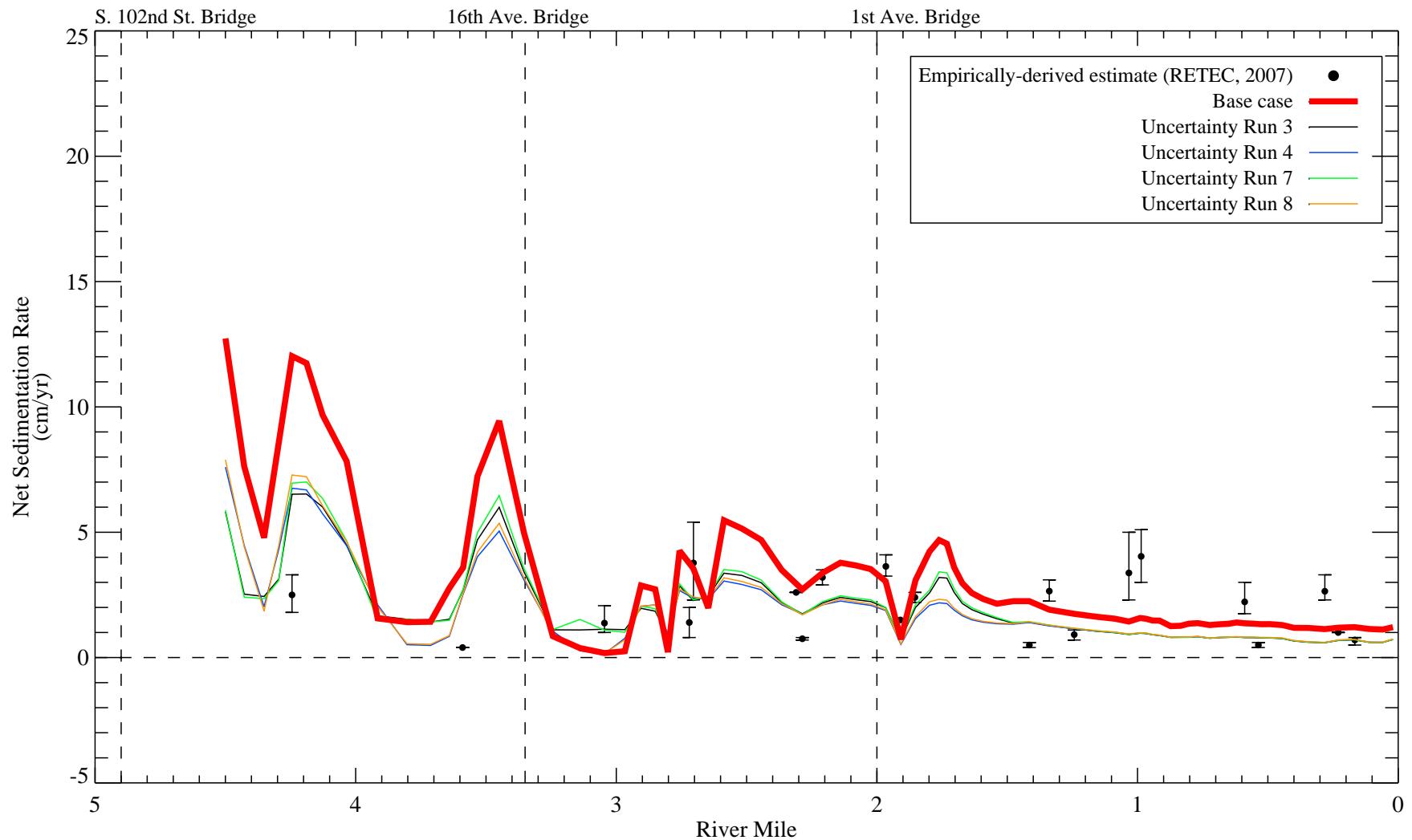
**Figure D-70. Comparison of predicted and empirically-derived net sedimentation rates in the east bench areas: uncertainty runs 25, 26, 29, and 30.**



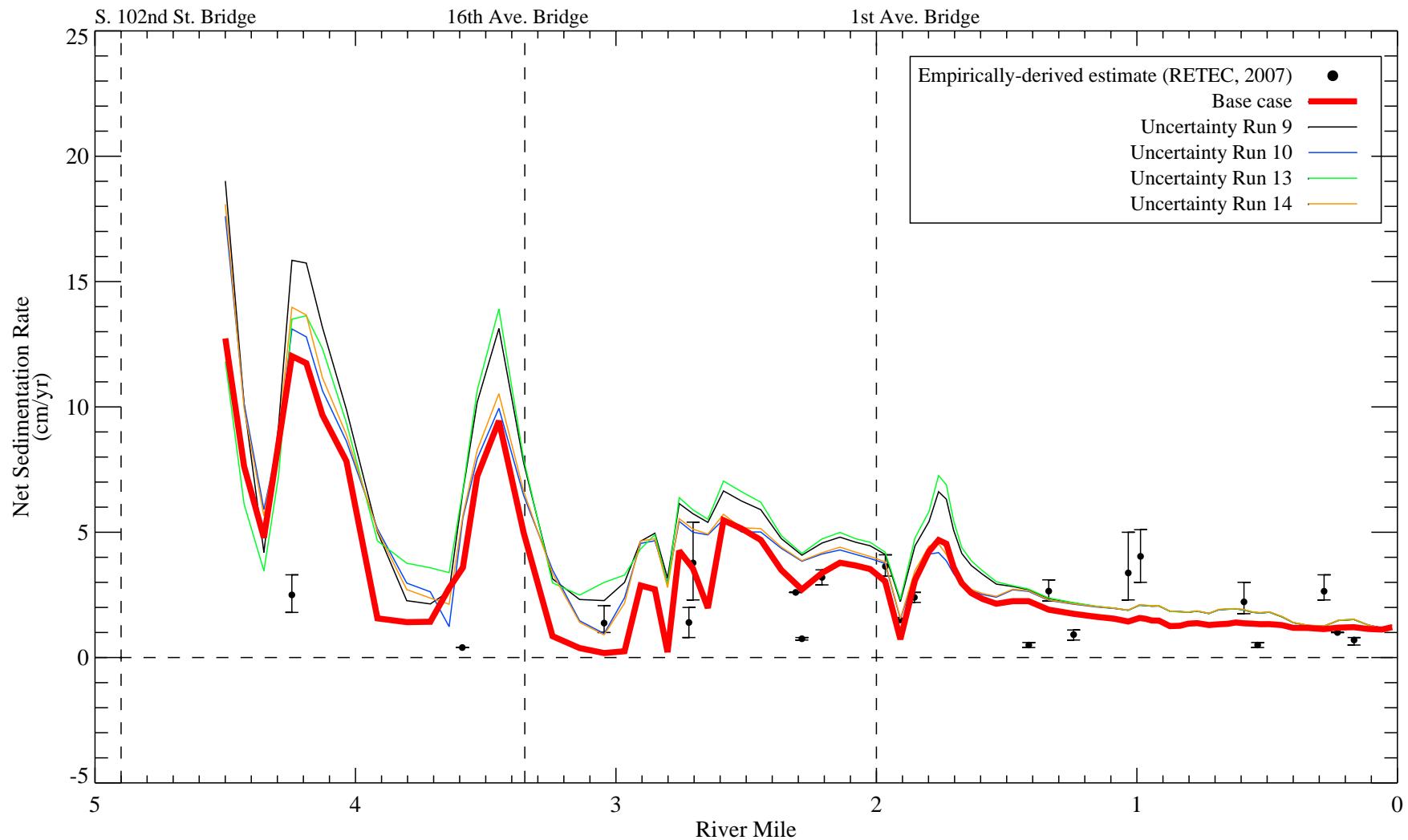
**Figure D-71. Comparison of predicted and empirically-derived net sedimentation rates in the east bench areas: uncertainty runs 27, 28, 31, and 32.**



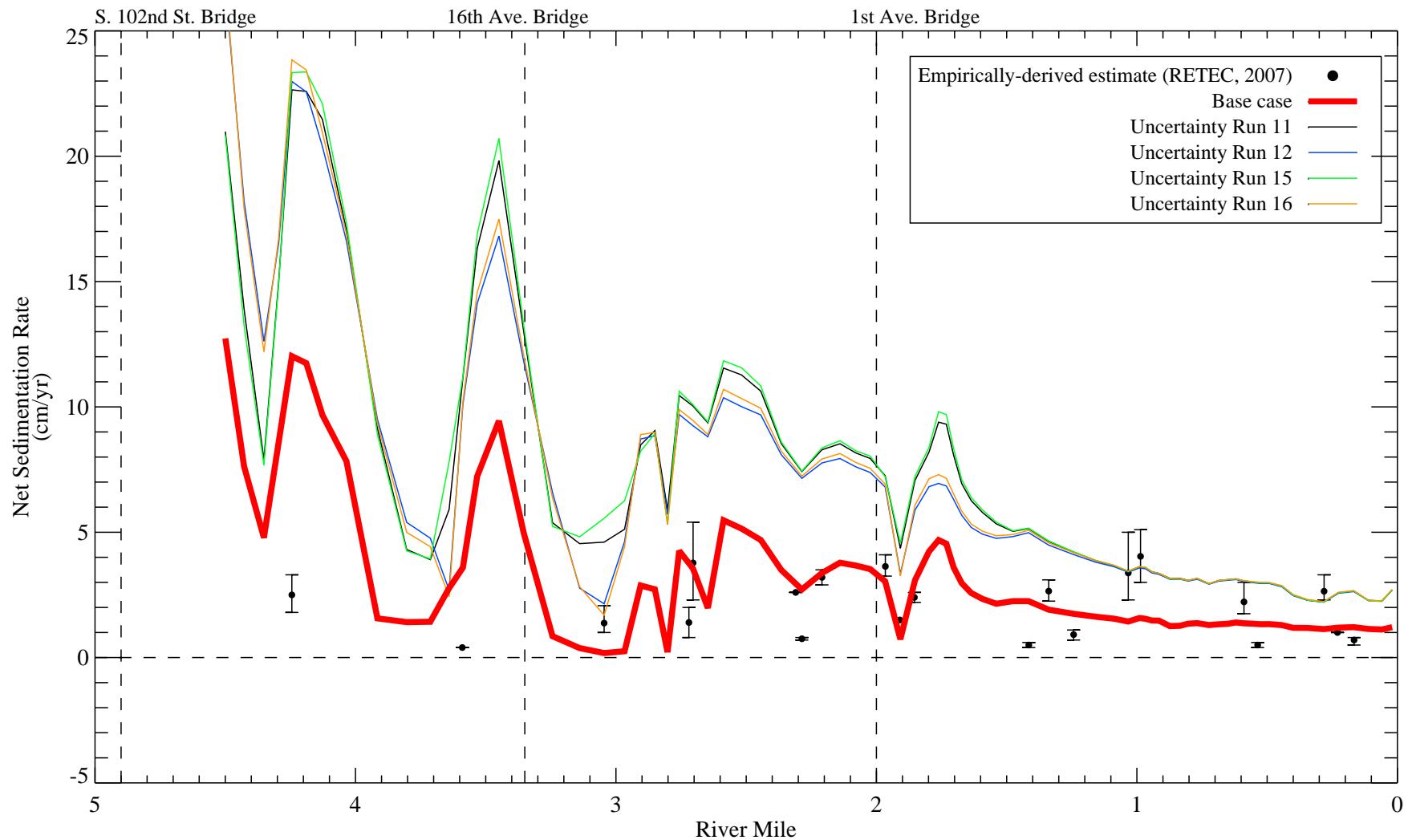
**Figure D-72. Comparison of predicted and empirically-derived net sedimentation rates in the west bench areas: uncertainty runs 1, 2, 5, and 6.**



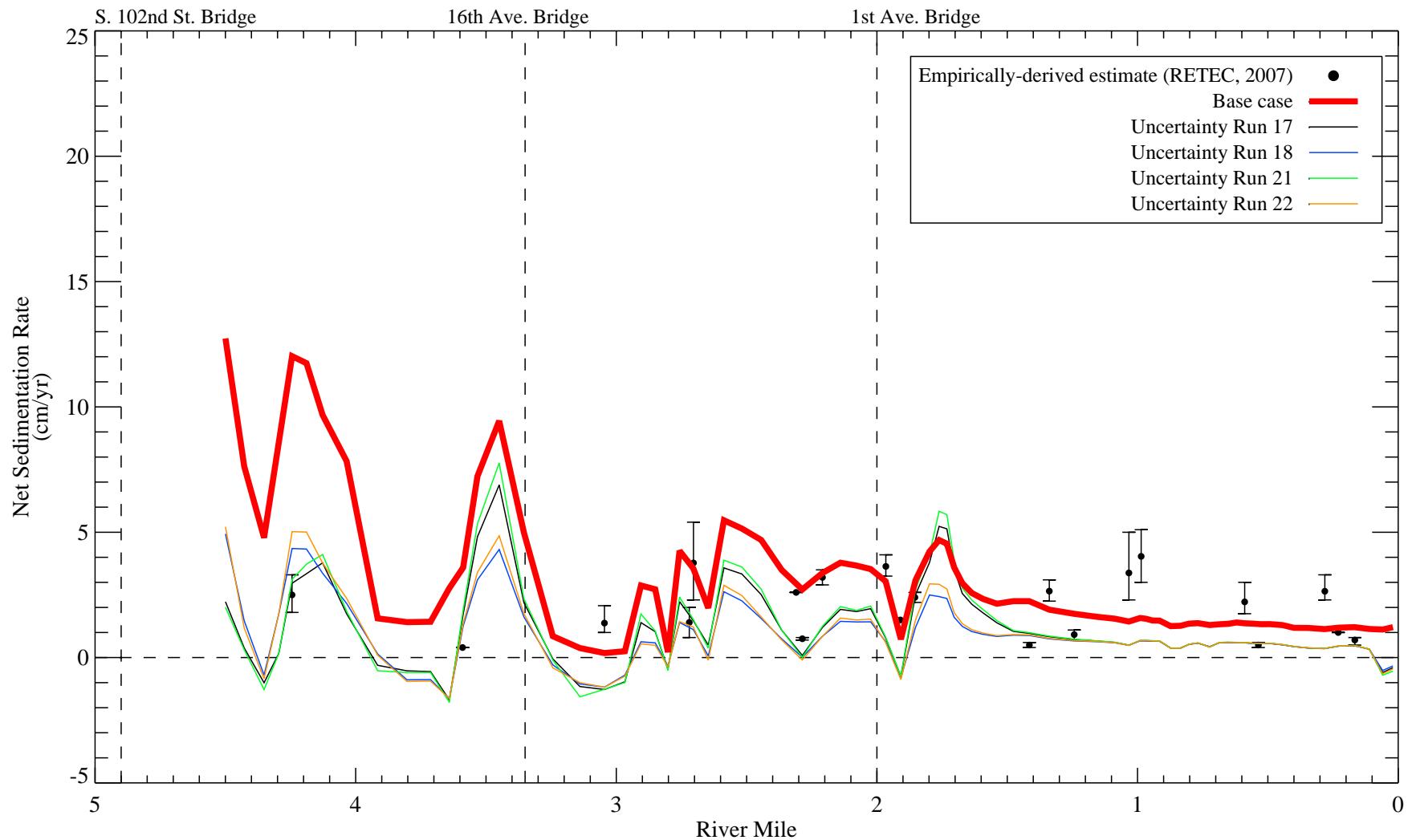
**Figure D-73. Comparison of predicted and empirically-derived net sedimentation rates in the west bench areas: uncertainty runs 3, 4, 7, and 8.**



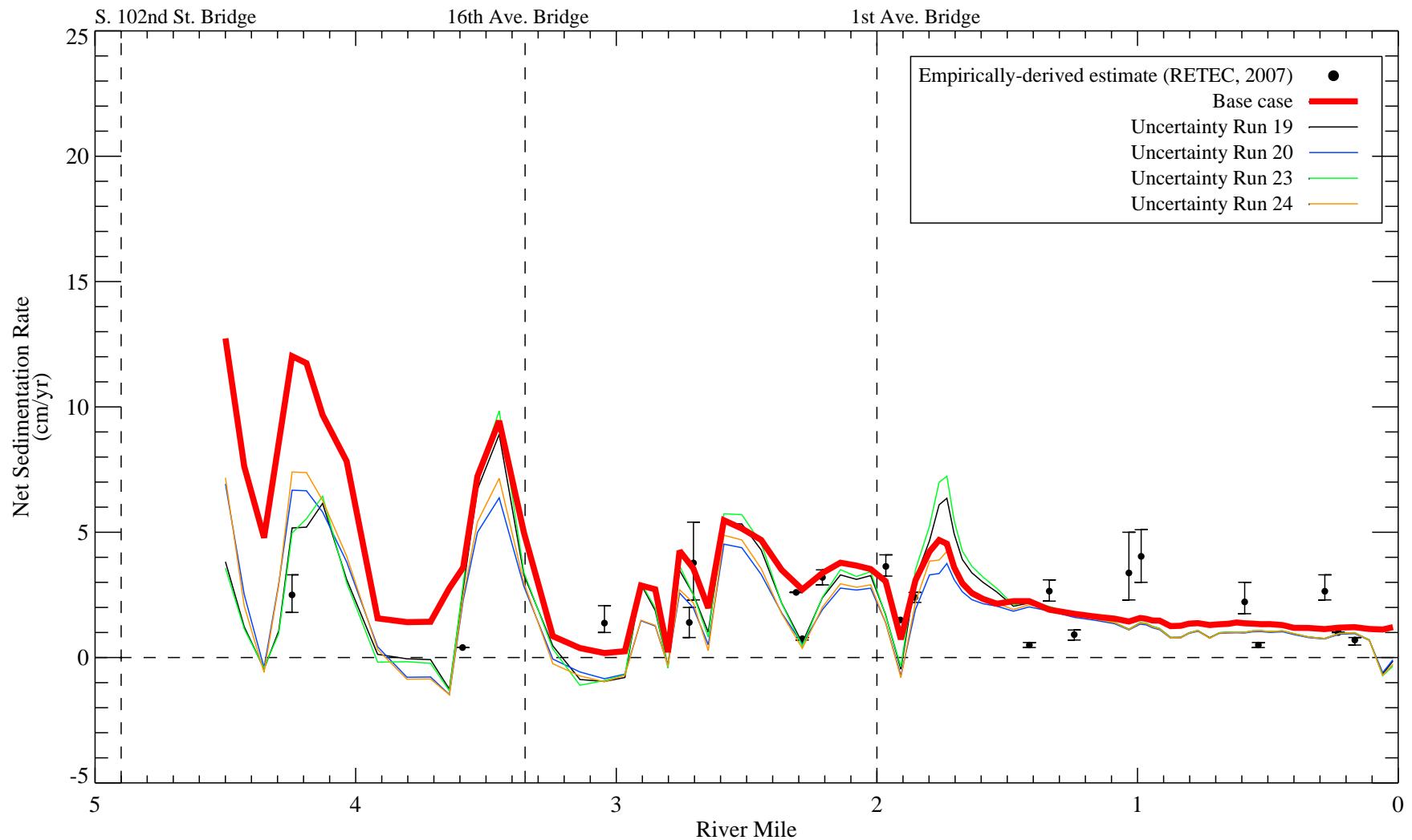
**Figure D-74. Comparison of predicted and empirically-derived net sedimentation rates in the west bench areas: uncertainty runs 9, 10, 13, and 14.**



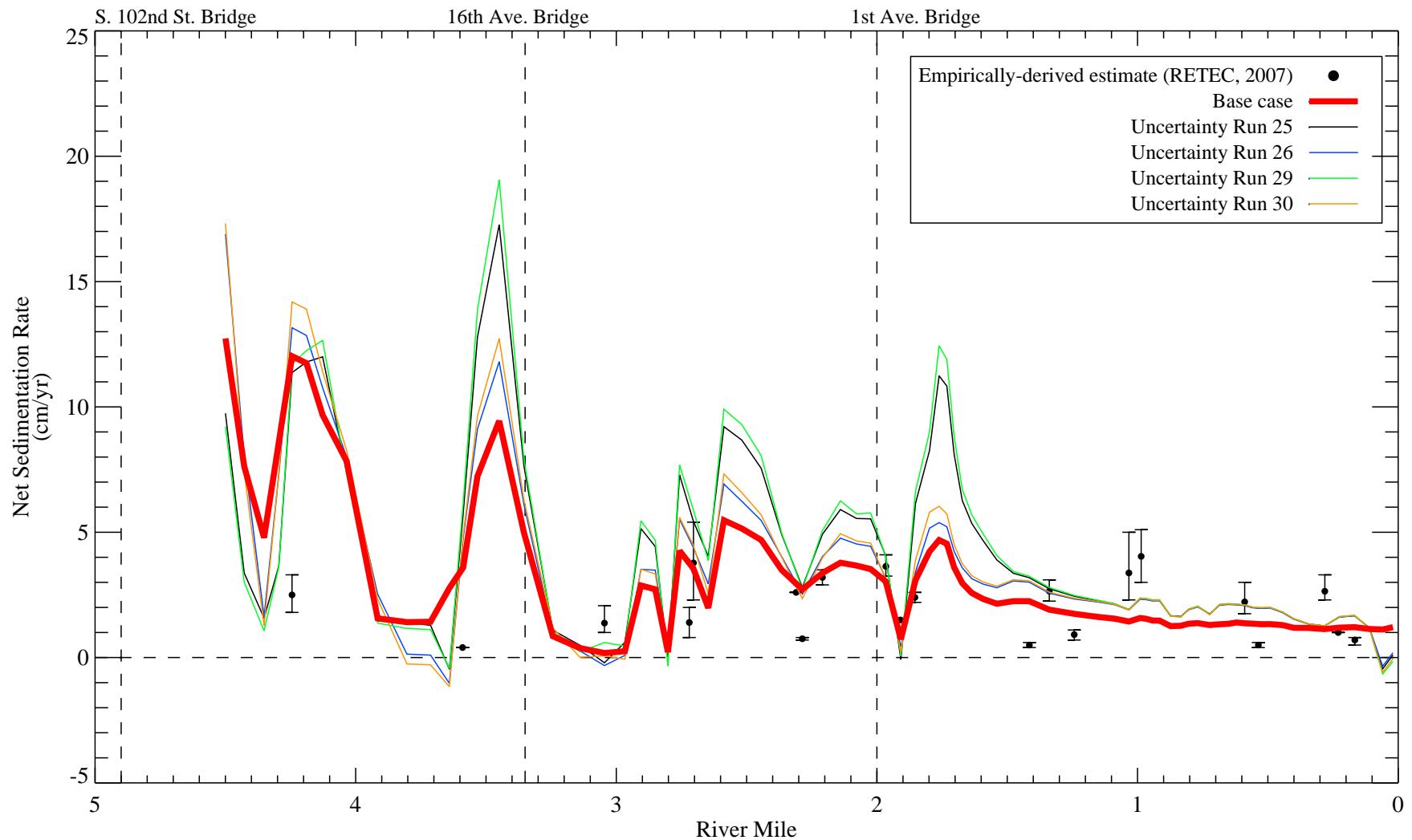
**Figure D-75. Comparison of predicted and empirically-derived net sedimentation rates in the west bench areas: uncertainty runs 11, 12, 15, and 16.**



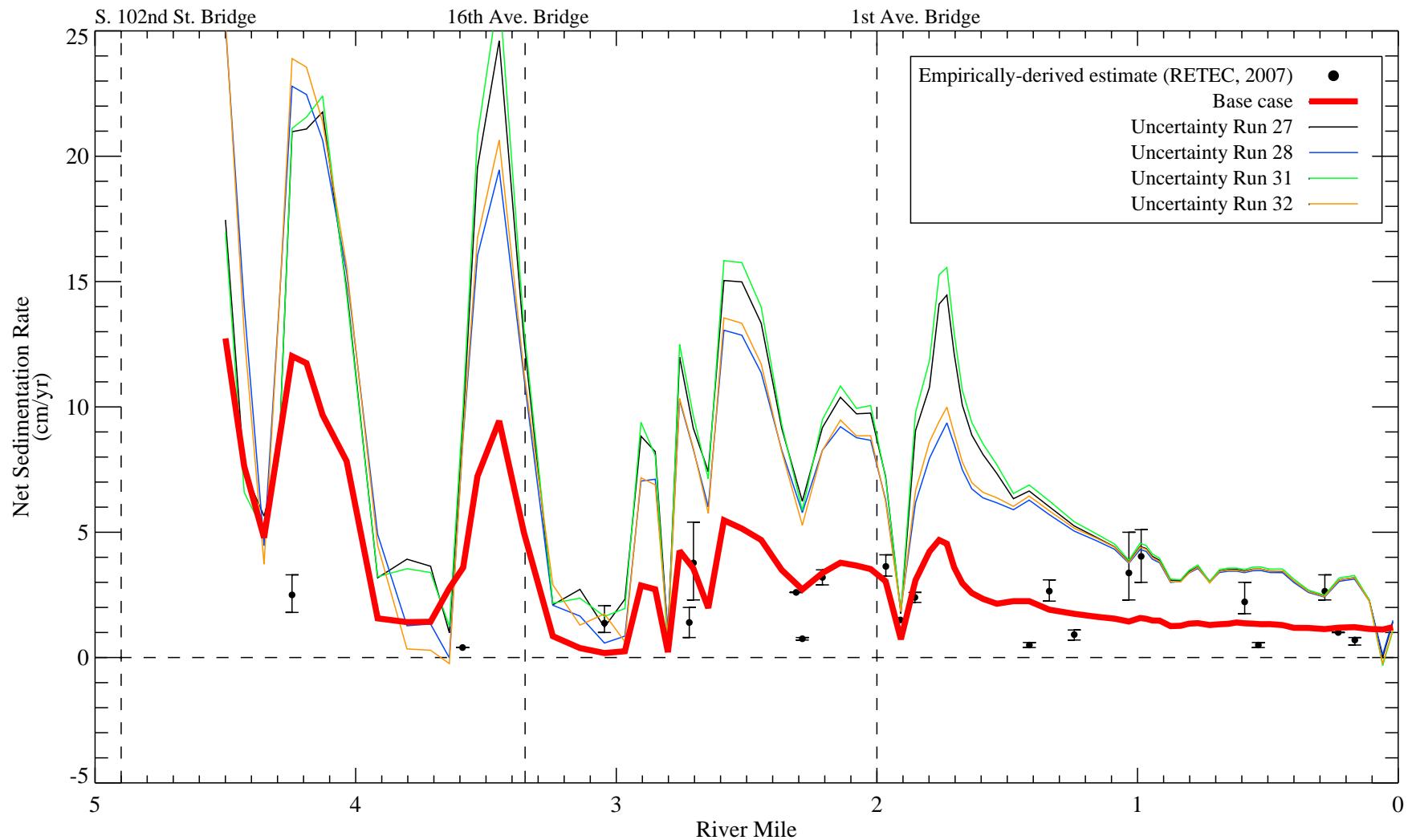
**Figure D-76. Comparison of predicted and empirically-derived net sedimentation rates in the west bench areas: uncertainty runs 17, 18, 21, and 22.**



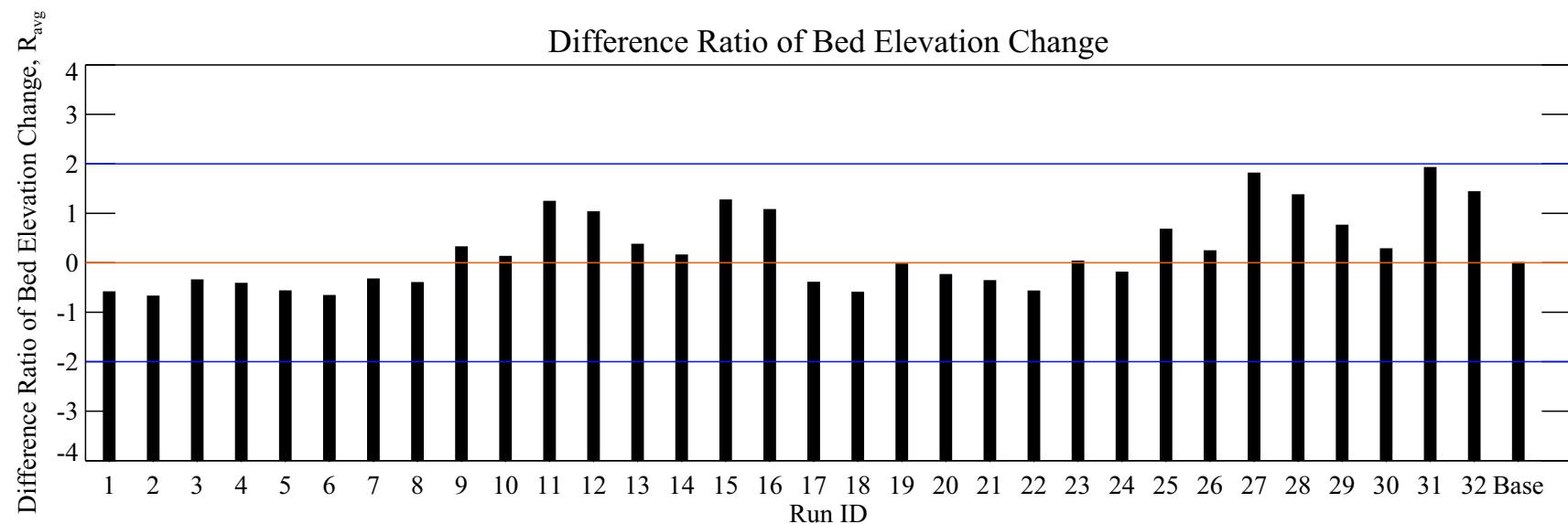
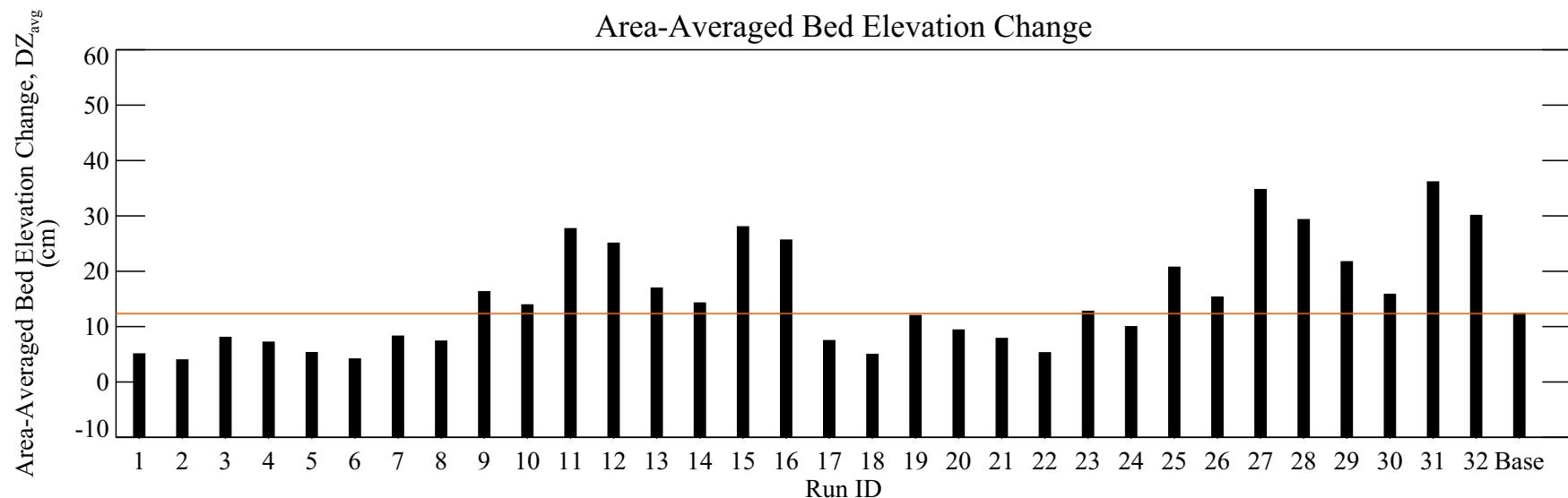
**Figure D-77. Comparison of predicted and empirically-derived net sedimentation rates in the west bench areas: uncertainty runs 19, 20, 23, and 24.**



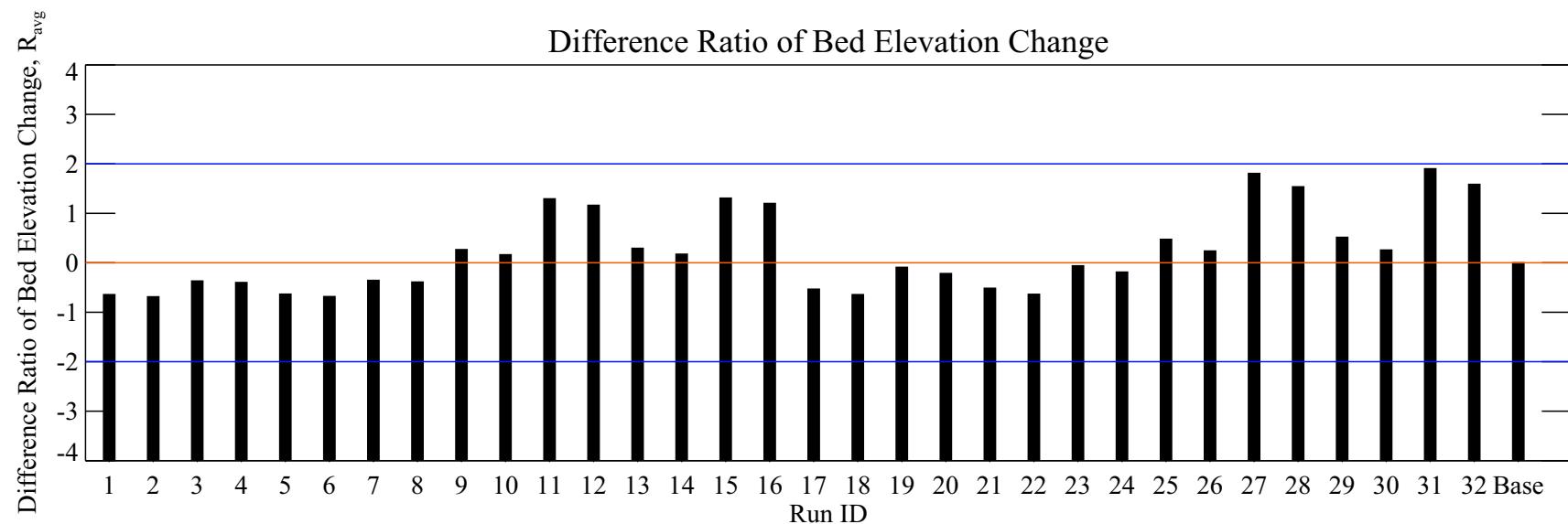
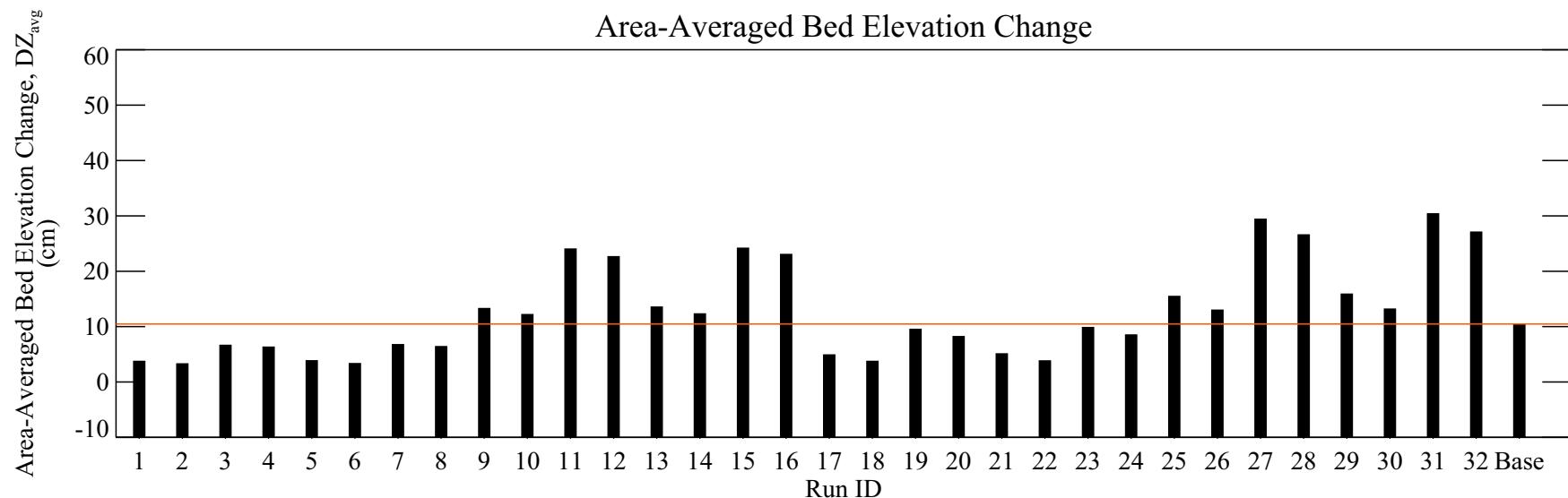
**Figure D-78. Comparison of predicted and empirically-derived net sedimentation rates in the west bench areas: uncertainty runs 25, 26, 29, and 30.**



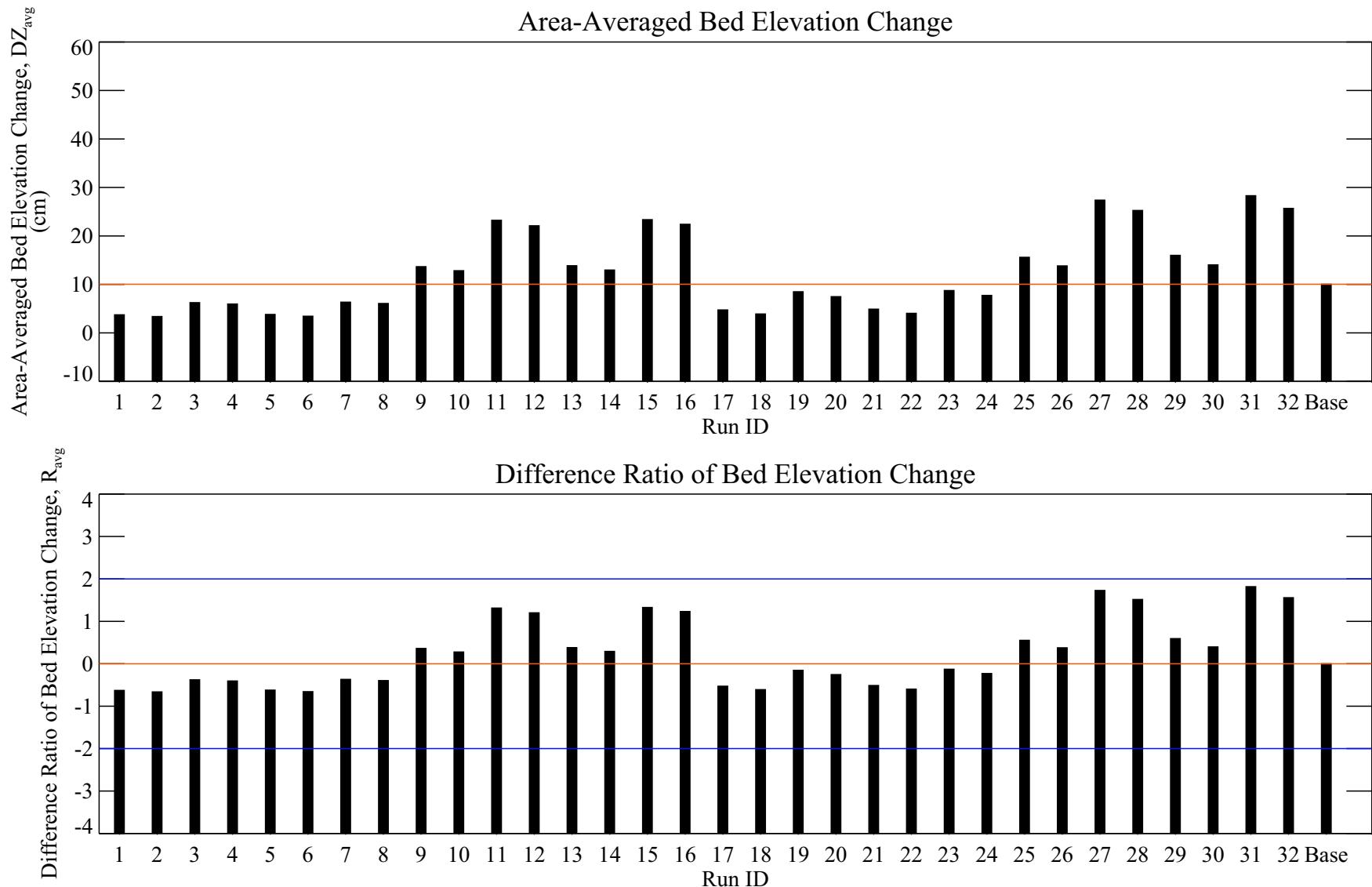
**Figure D-79. Comparison of predicted and empirically-derived net sedimentation rates in the west bench areas: uncertainty runs 27, 28, 31, and 32.**



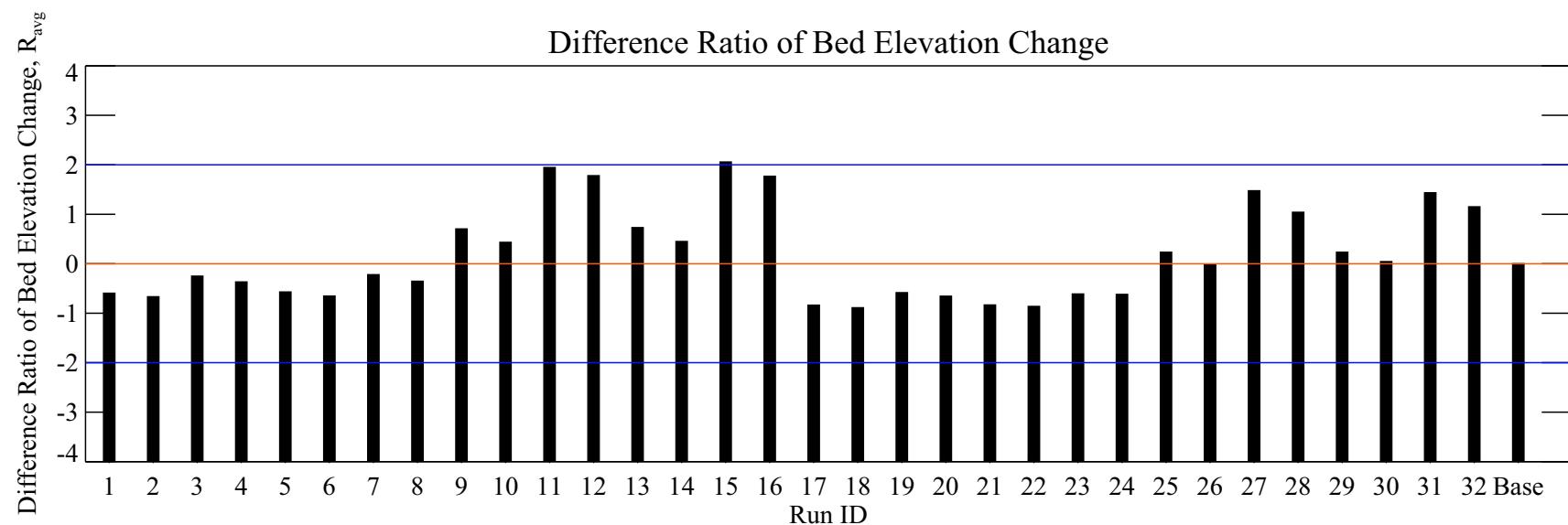
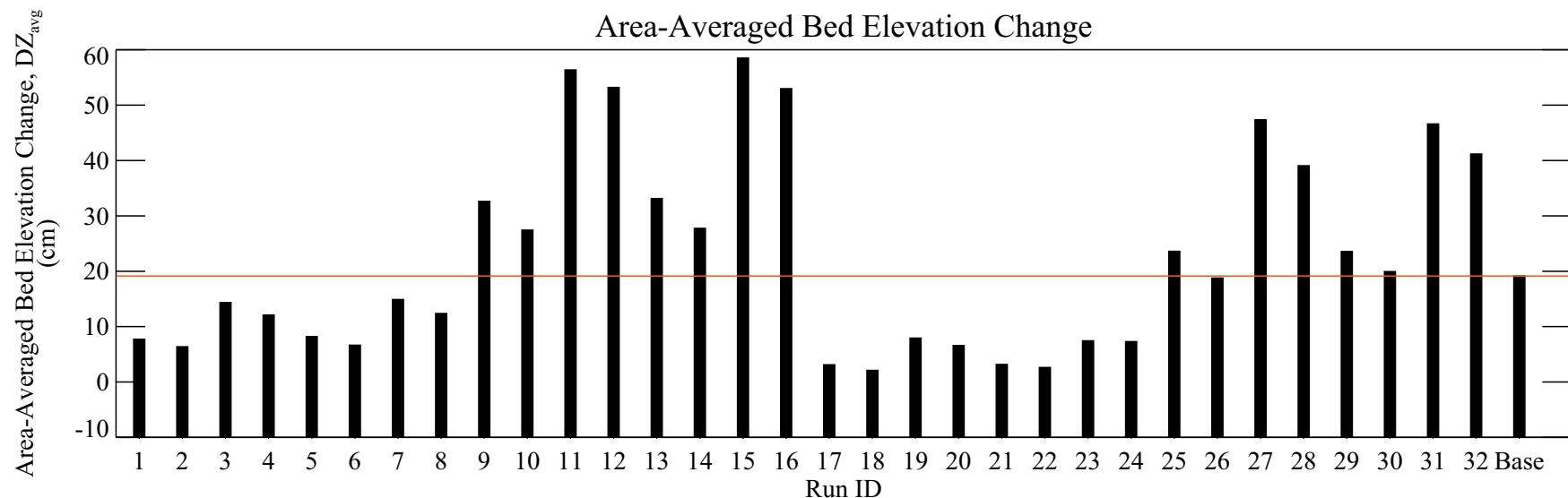
**Figure D-80. Average difference ratio and average bed elevation change for zone 1: RM 0 to 2.2, navigation channel.**



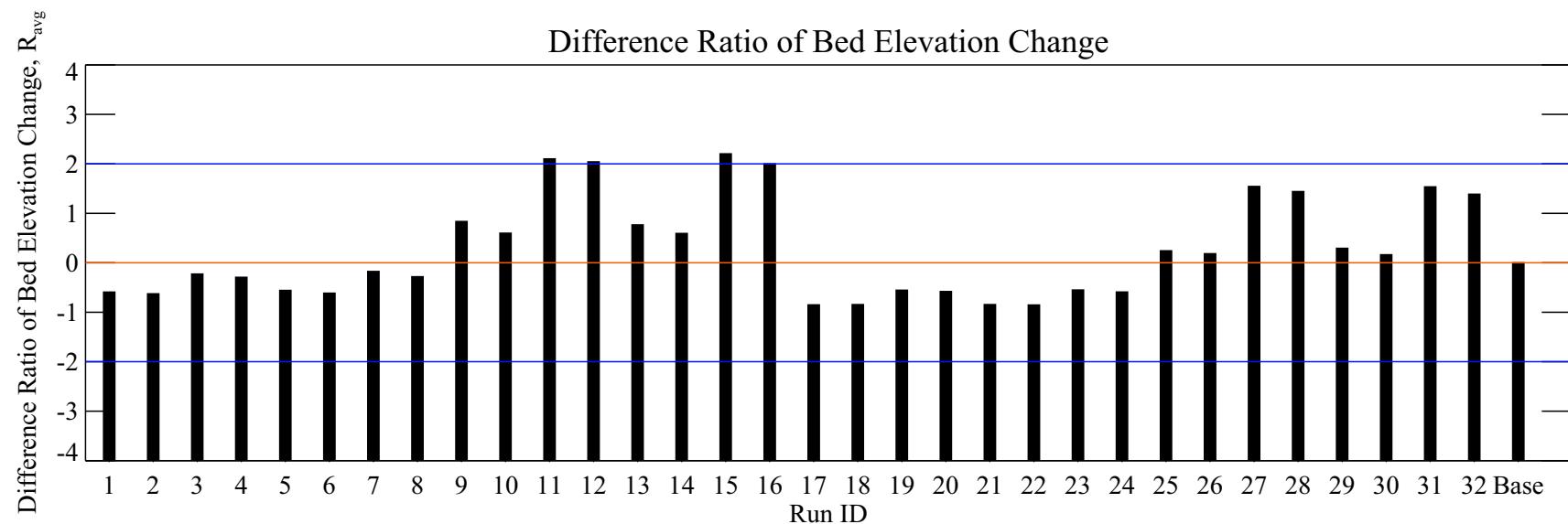
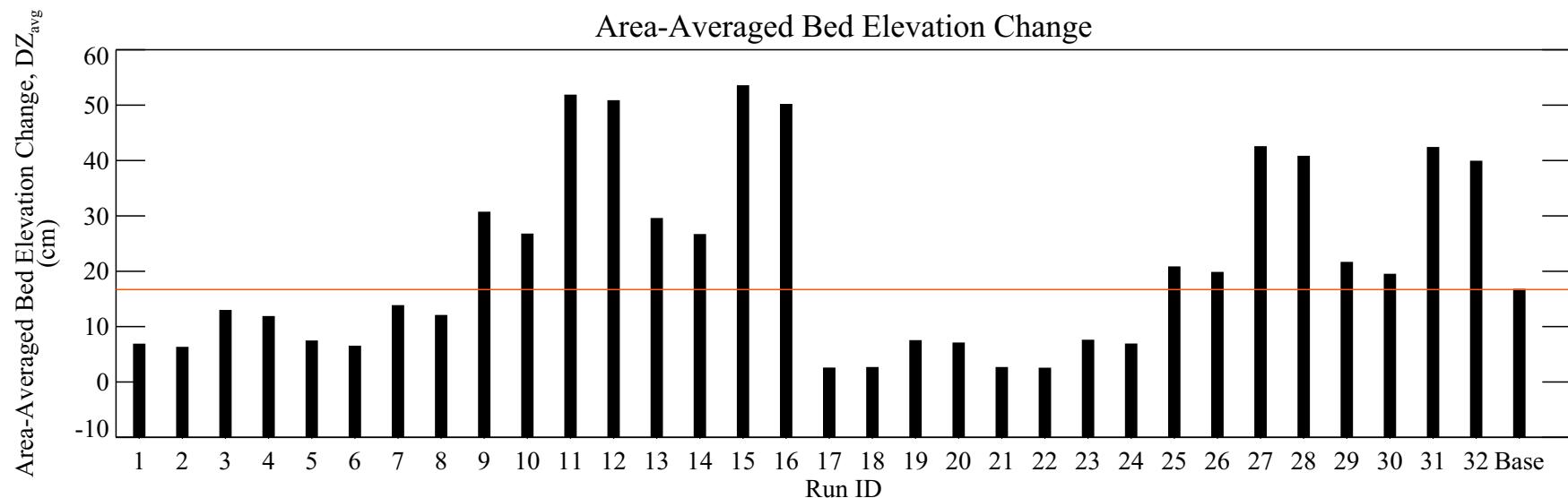
**Figure D-81. Average difference ratio and average bed elevation change for zone 2: RM 0 to 2.2, east bench area.**



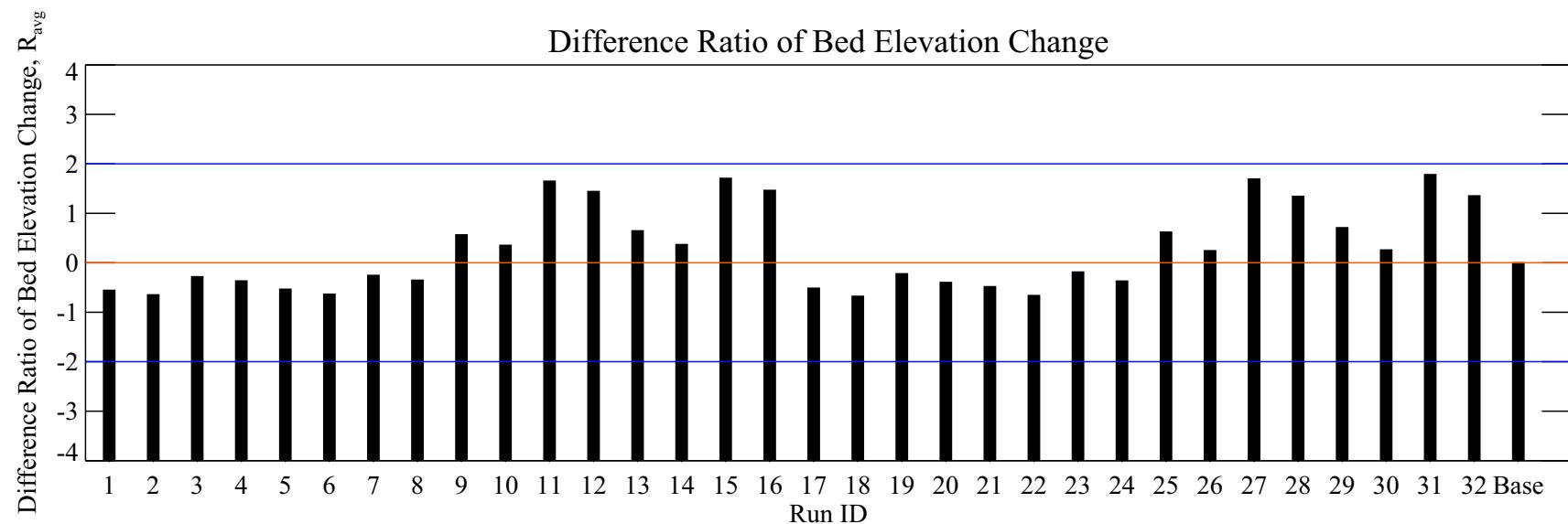
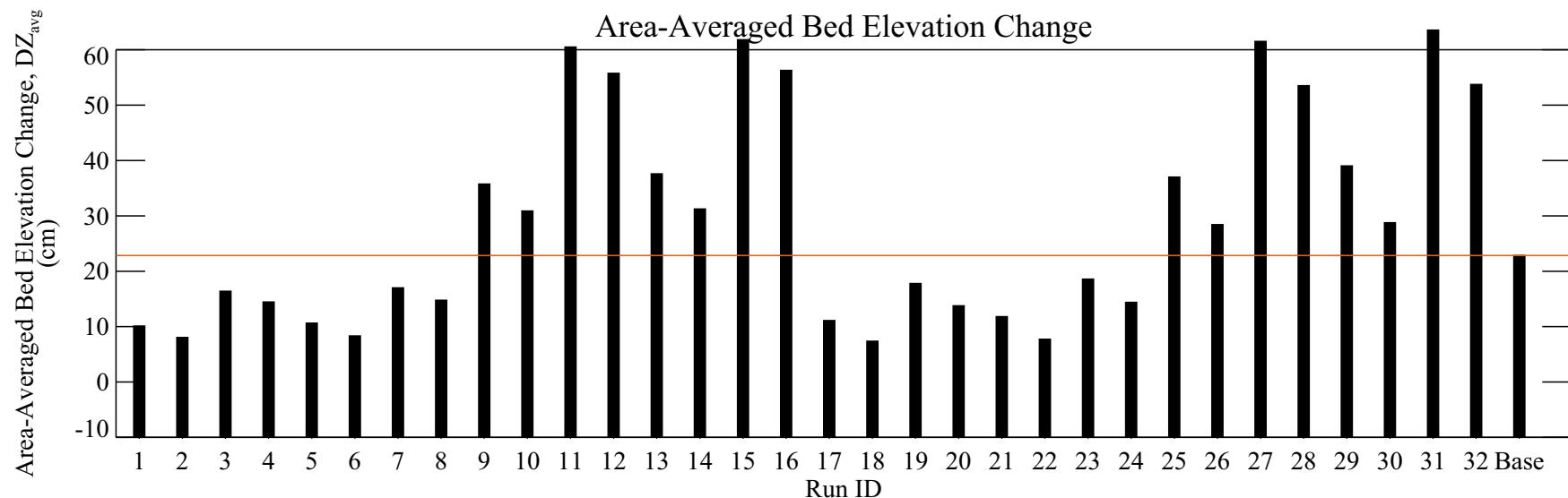
**Figure D-82.** Average difference ratio and average bed elevation change for zone 3: RM 0 to 2.2, west bench area.



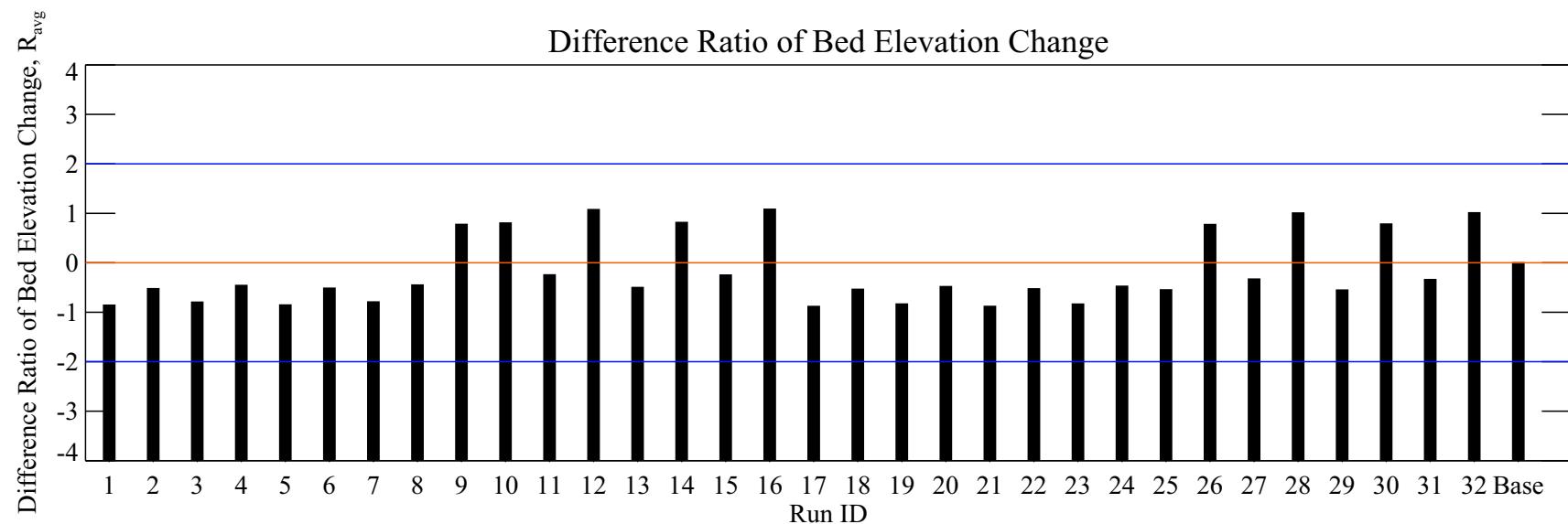
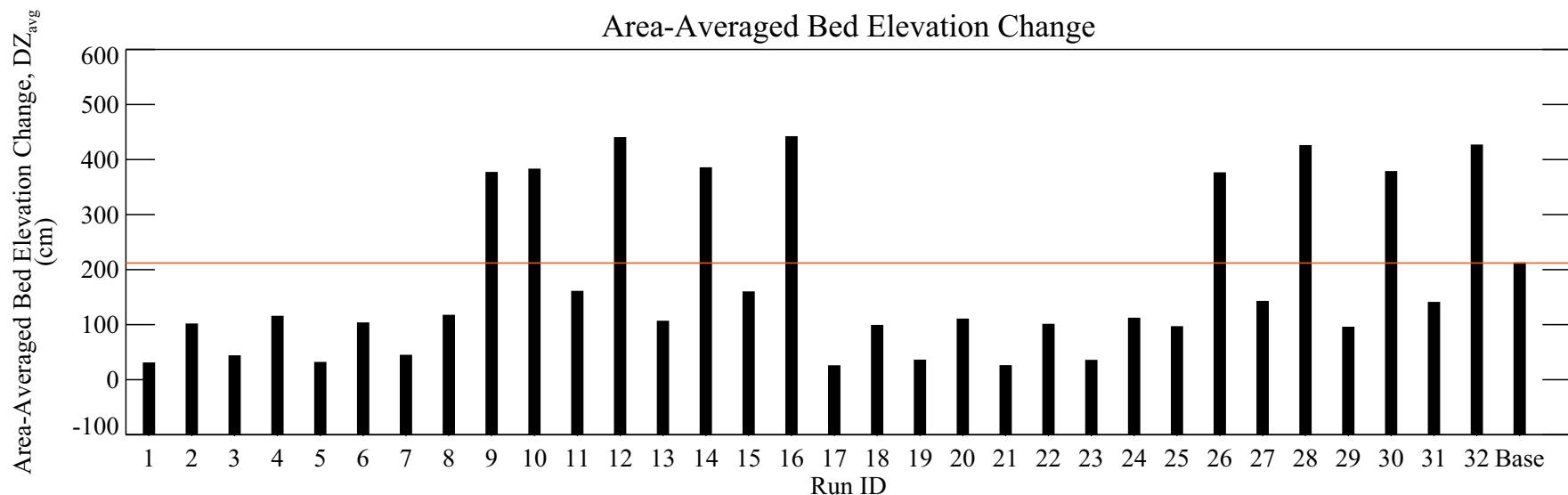
**Figure D-83. Average difference ratio and average bed elevation change for zone 4: RM 2.2 to 4.0, navigation channel.**



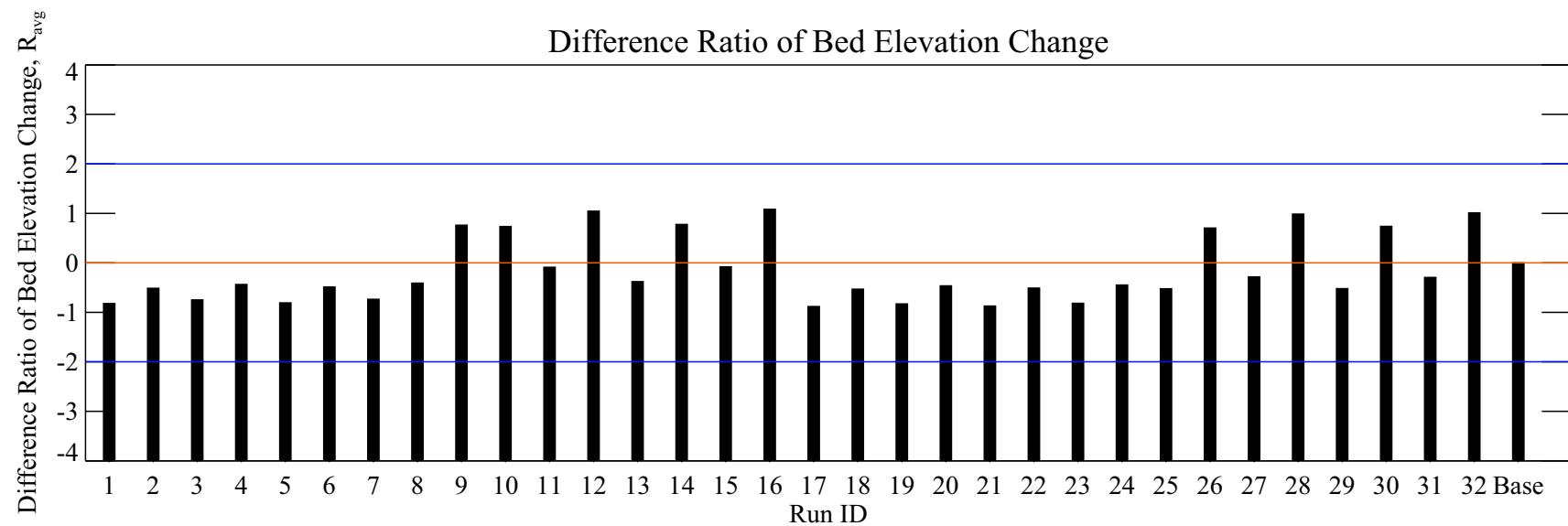
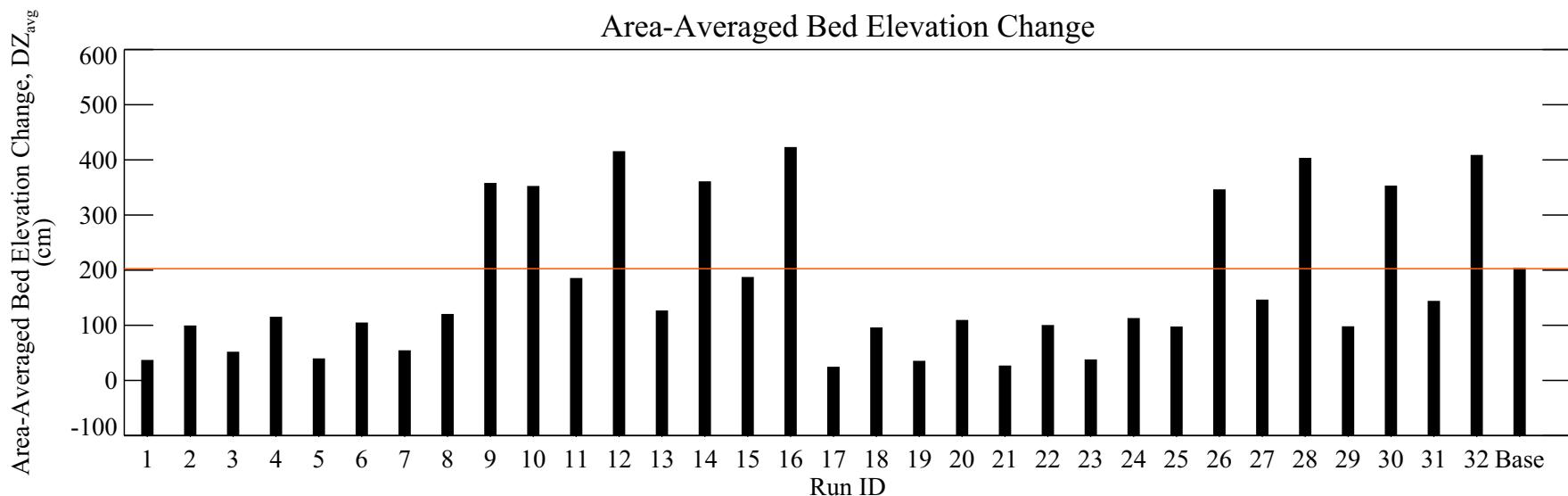
**Figure D-84. Average difference ratio and average bed elevation change for zone 5: RM 2.2 to 4.0, east bench area.**



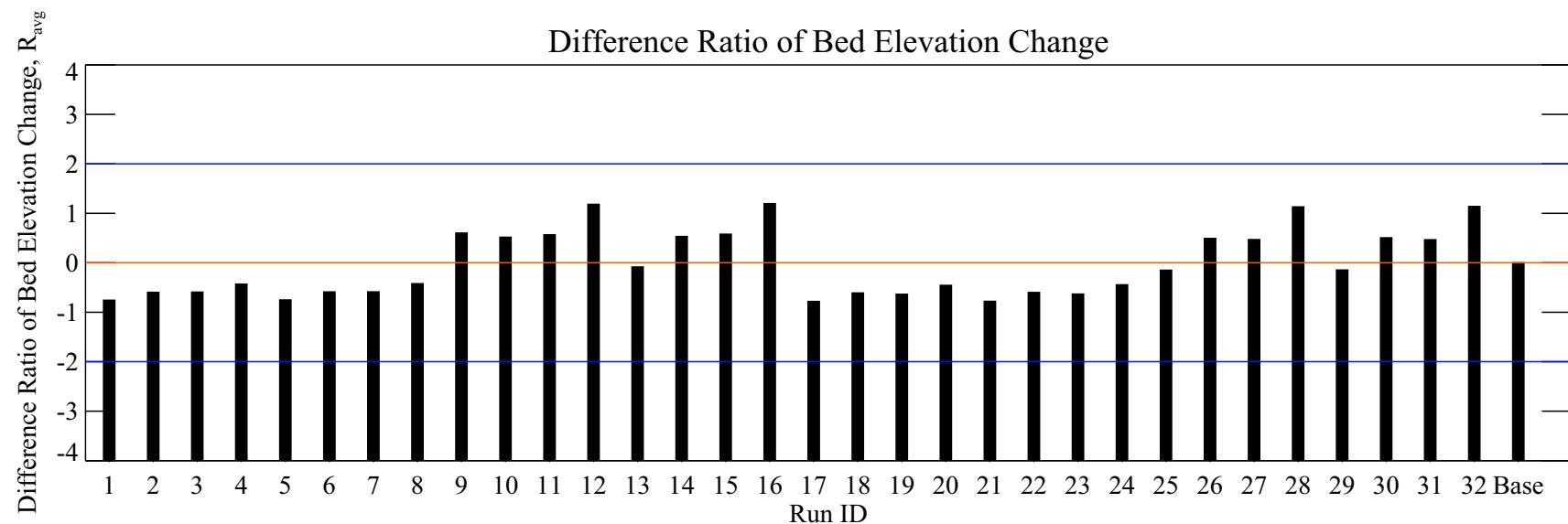
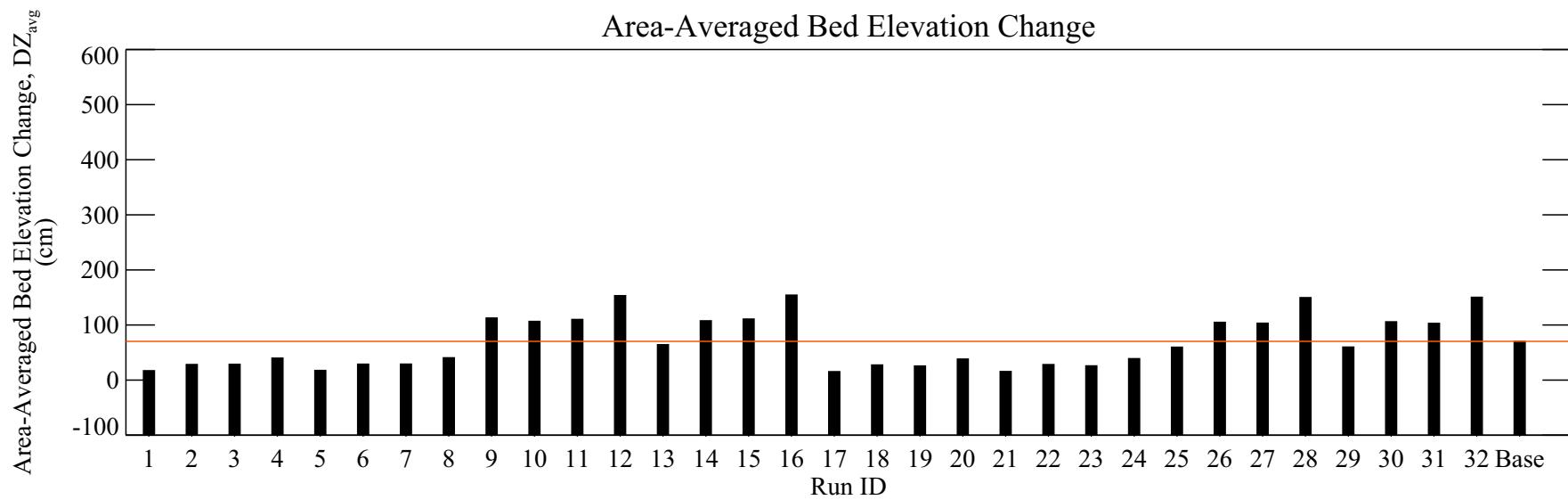
**Figure D-85. Average difference ratio and average bed elevation change for zone 6: RM 2.2 to 4.0, west bench area.**



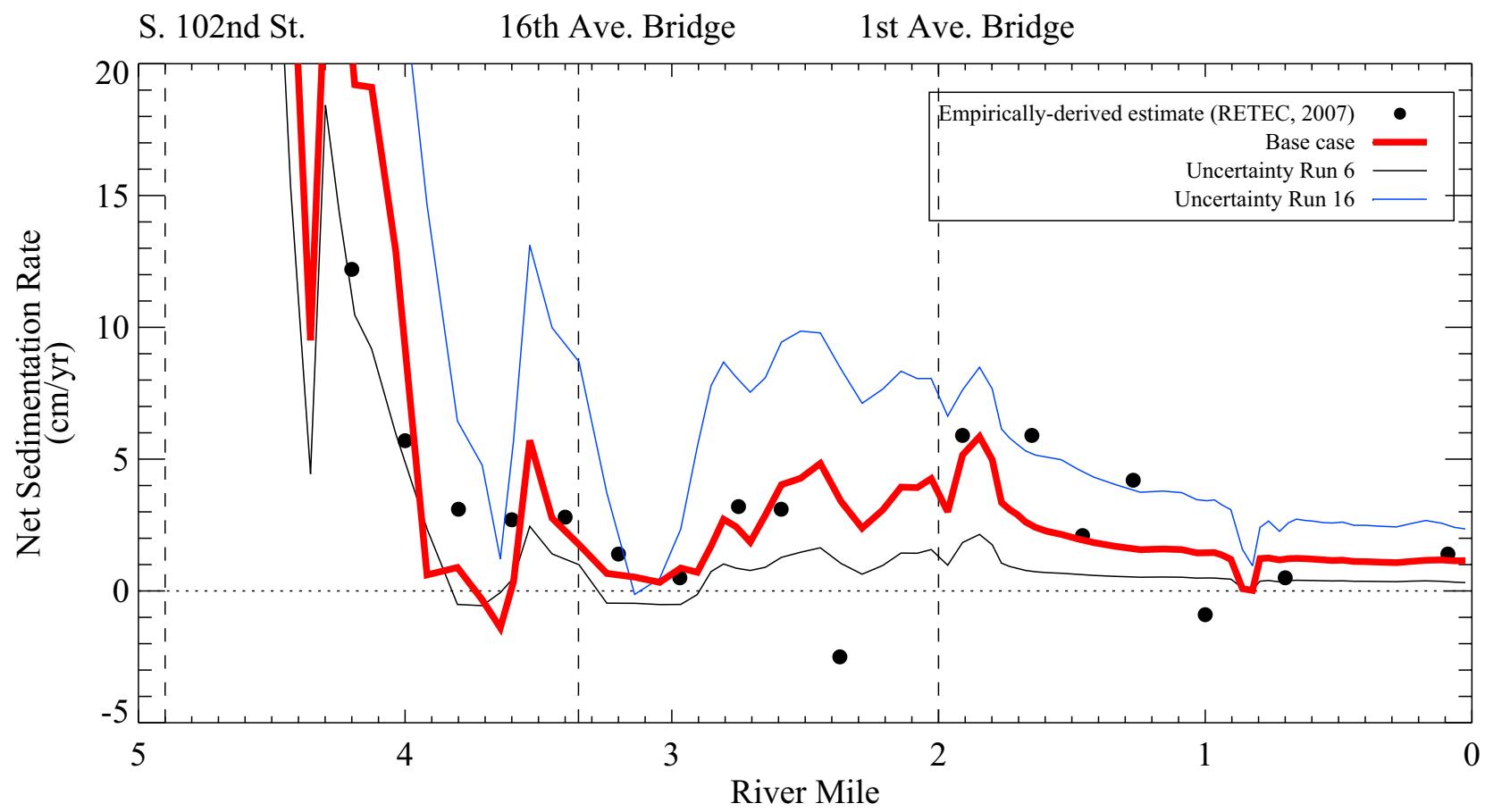
**Figure D-86. Average difference ratio and average bed elevation change for zone 7: RM 4.0 to 4.8, navigation channel.**



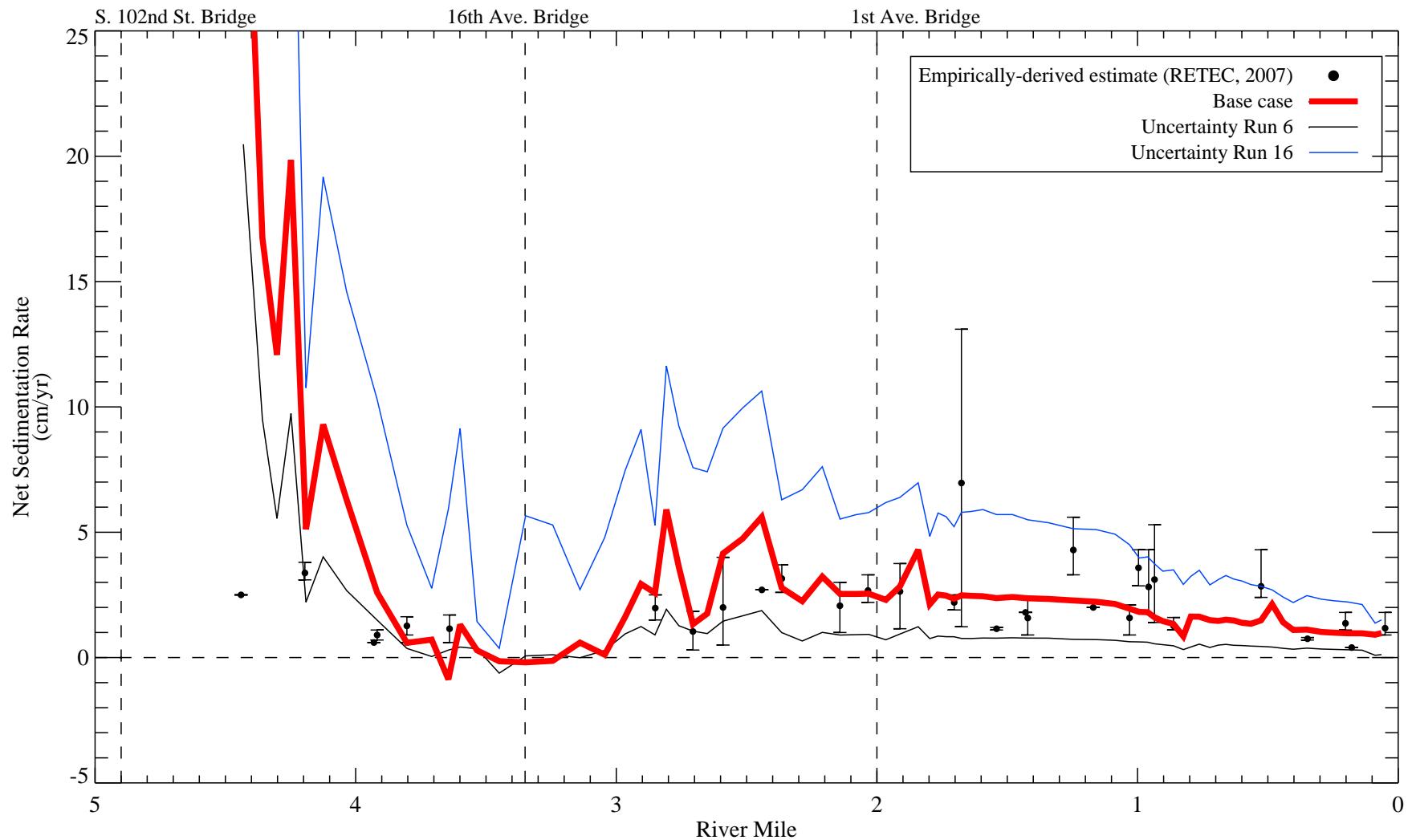
**Figure D-87. Average difference ratio and average bed elevation change for zone 8: RM 4.0 to 4.8, east bench area.**



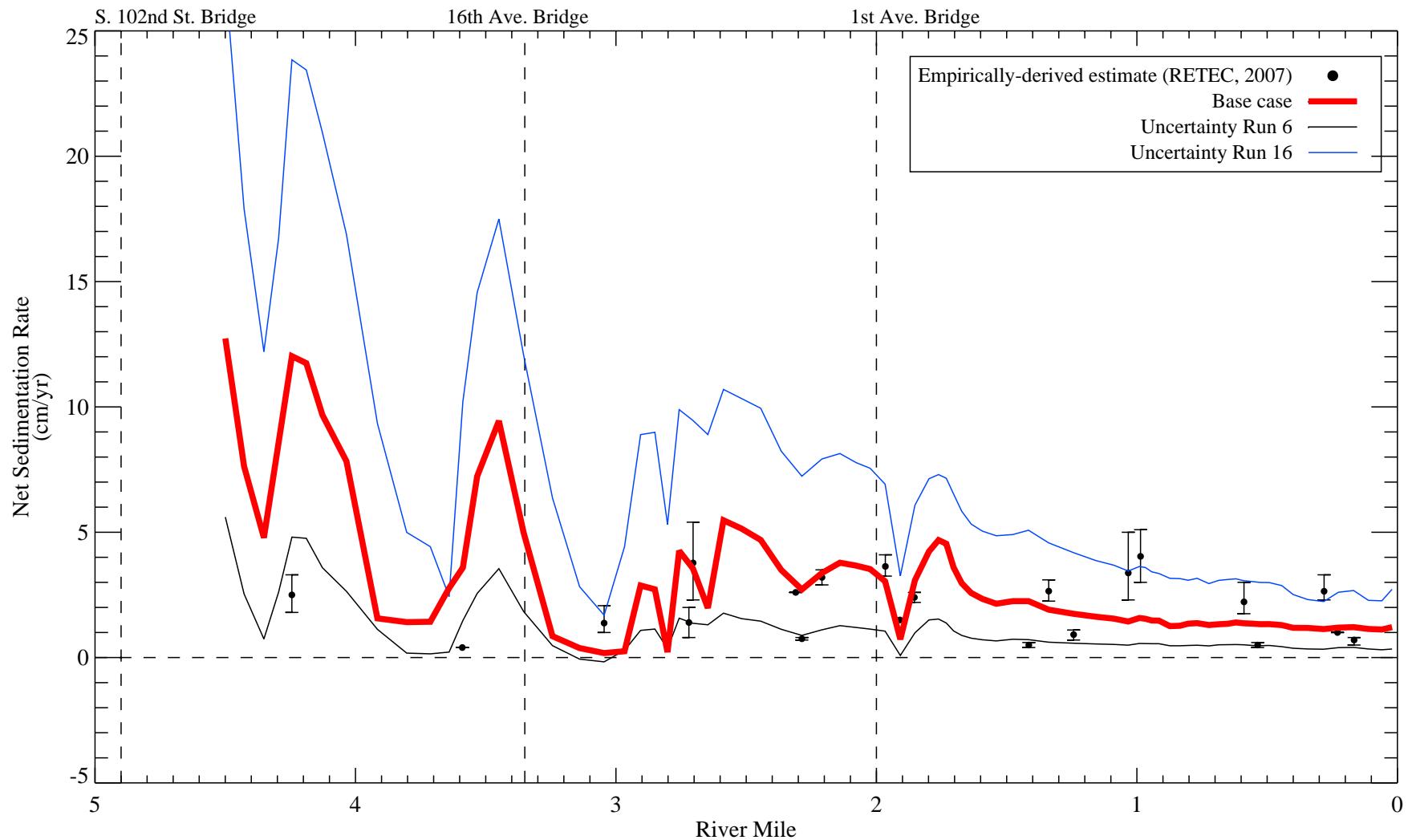
**Figure D-88. Average difference ratio and average bed elevation change for zone 9: RM 4.0 to 4.8, west bench area.**



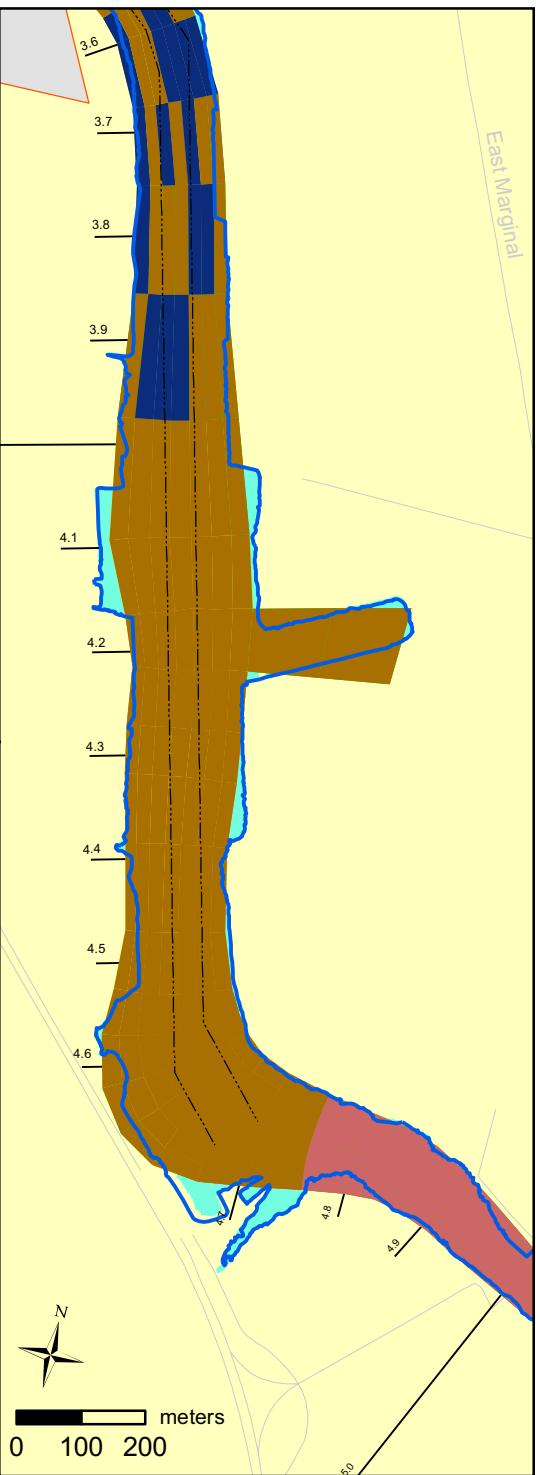
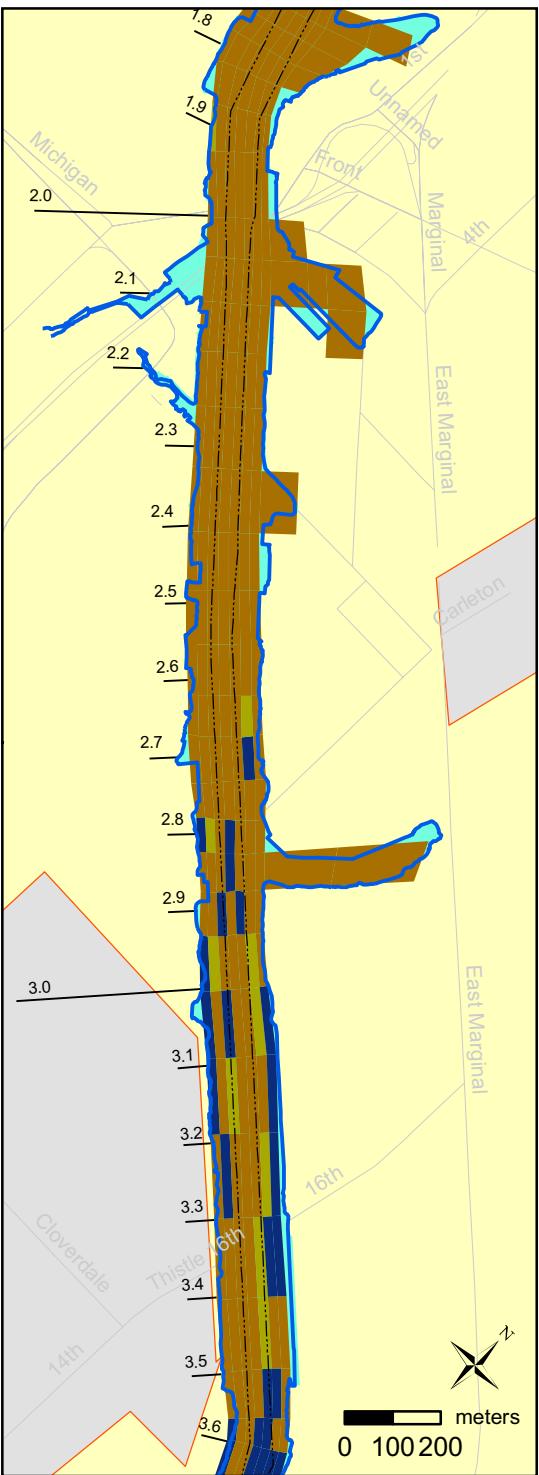
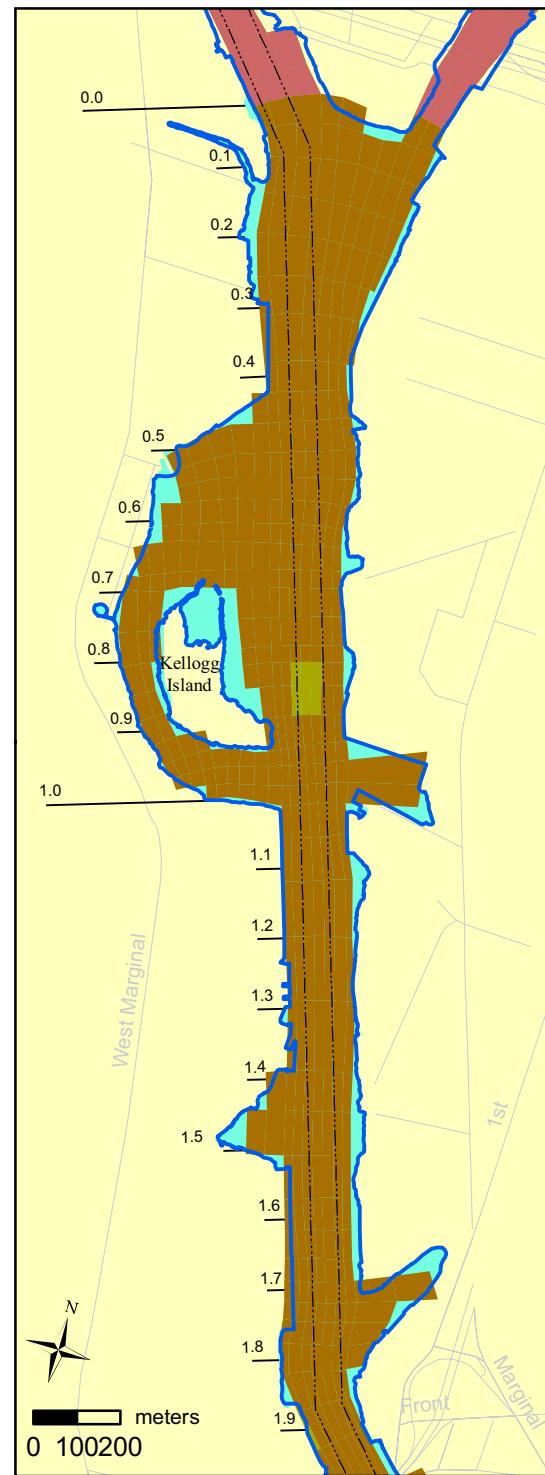
**Figure D-89. Comparison of predicted and observed net sedimentation rates in the navigation channel for 6-year period: base case, ultimate lower-bound (run 6), and ultimate upper-bound (run 16).**

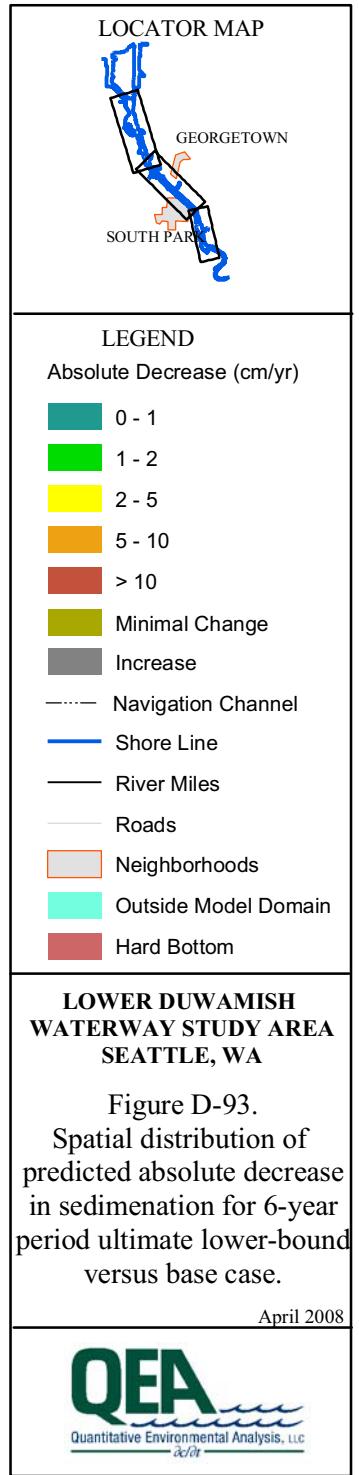
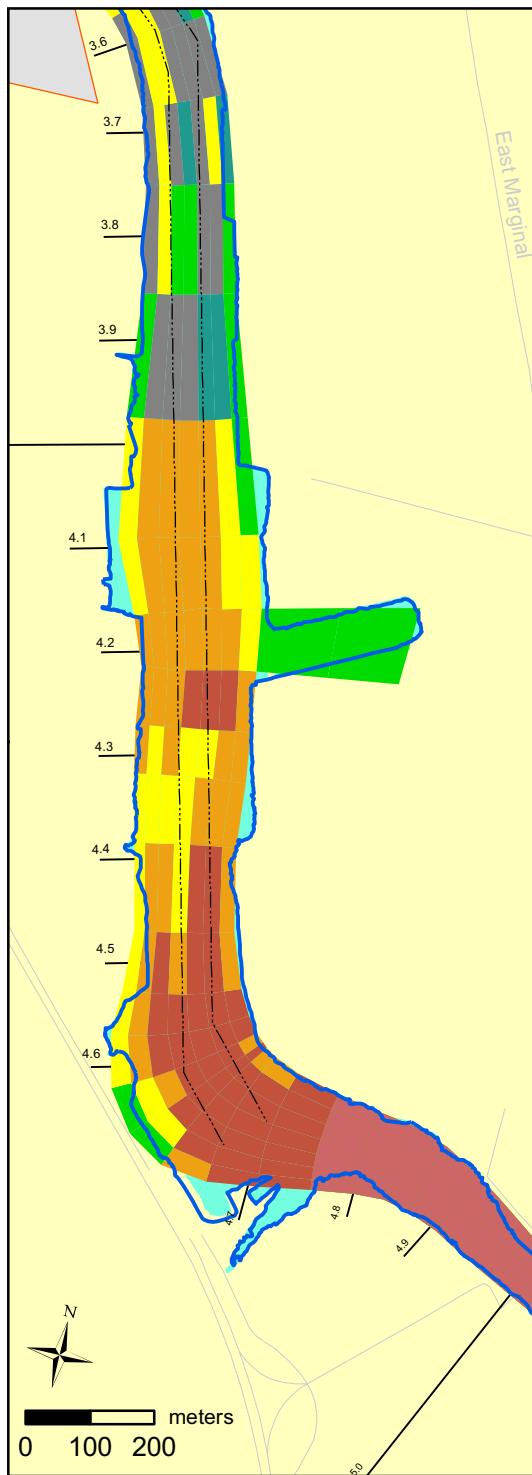
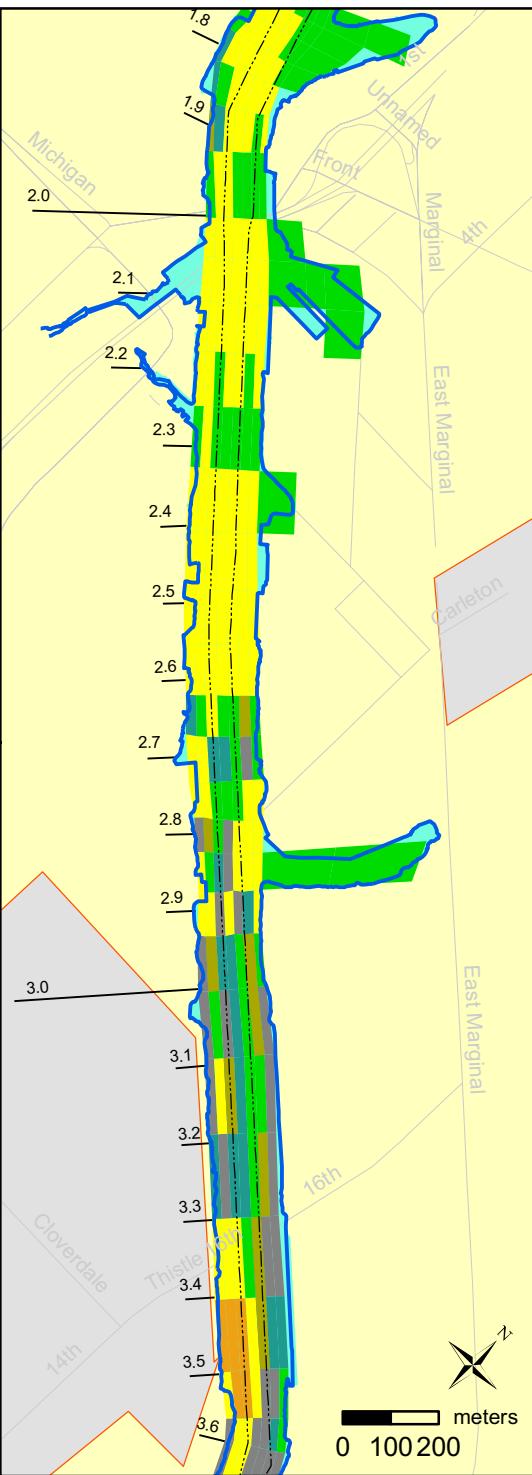
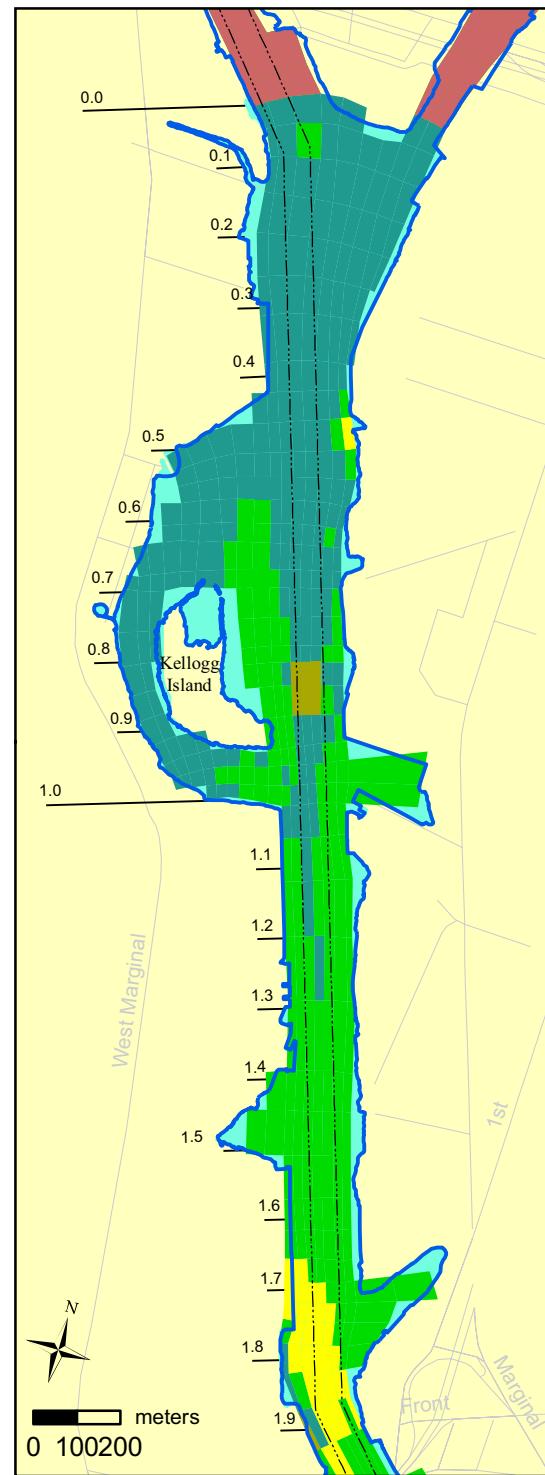


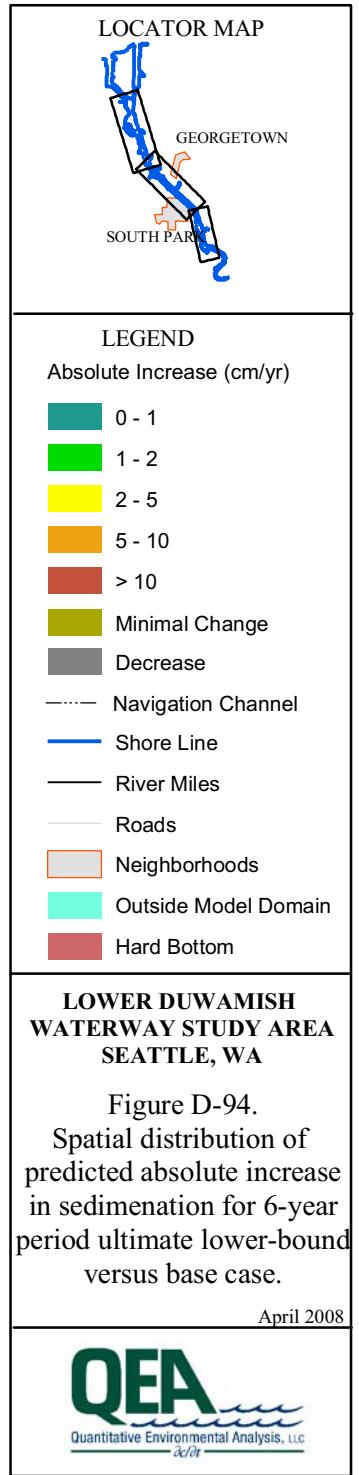
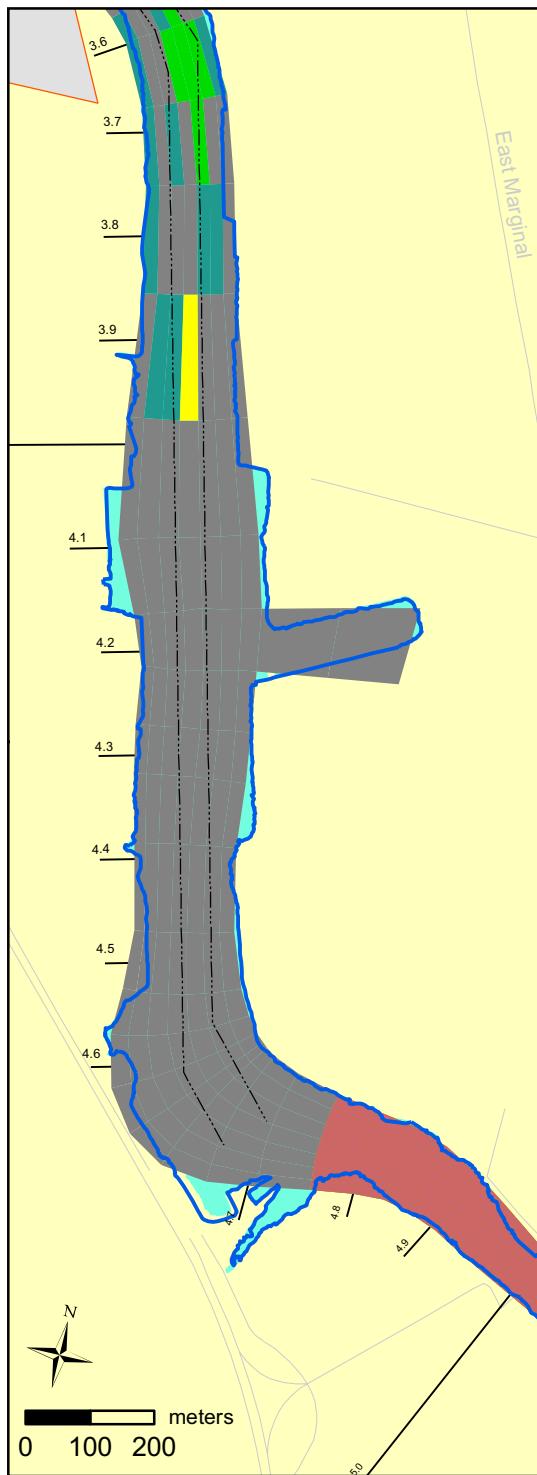
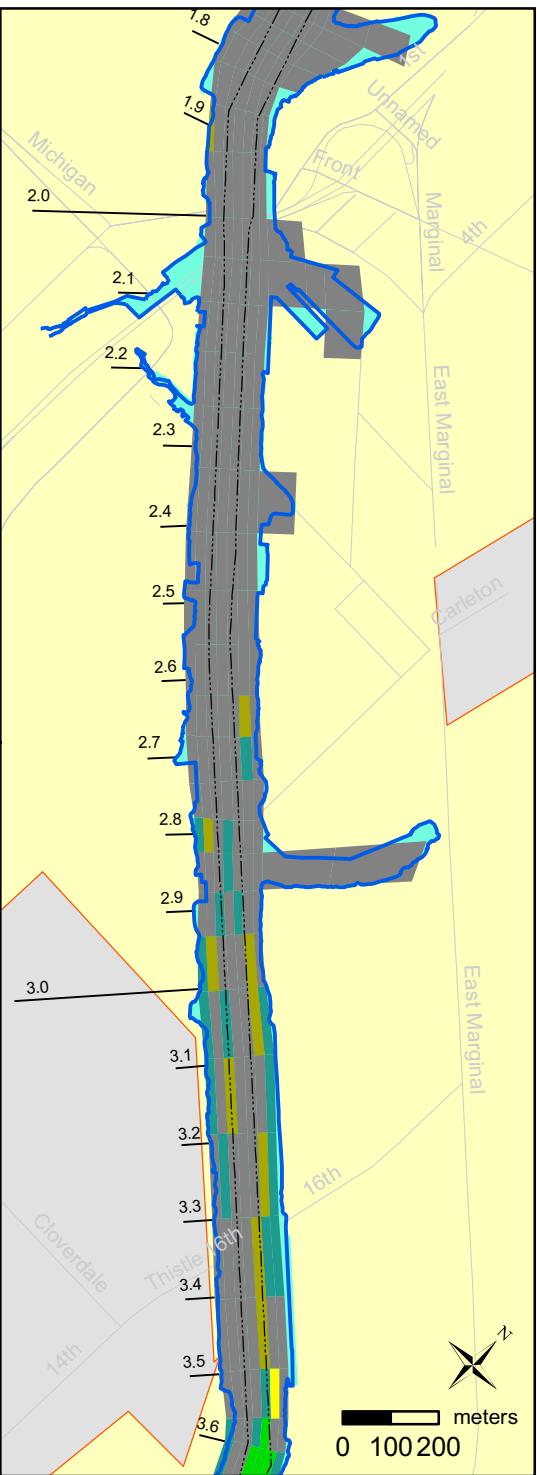
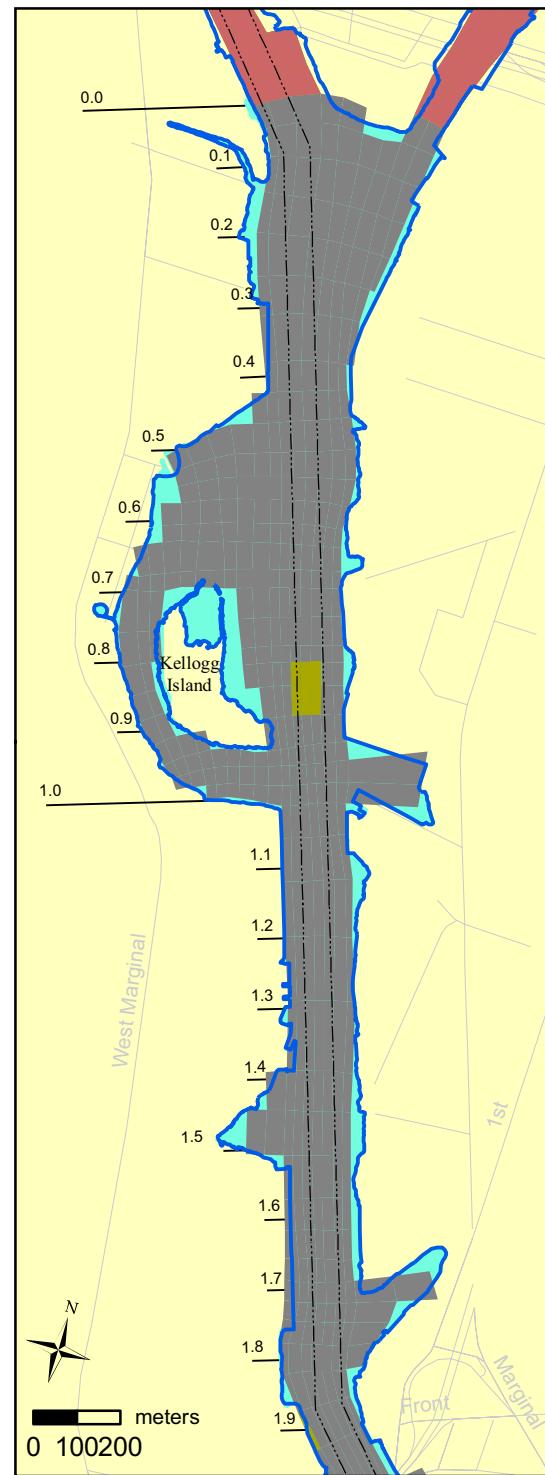
**Figure D-90. Comparison of predicted and empirically-derived net sedimentation rates in the east bench areas for 6-year period: base case, ultimate lower-bound (run 6), and ultimate upper-bound (run 16).**

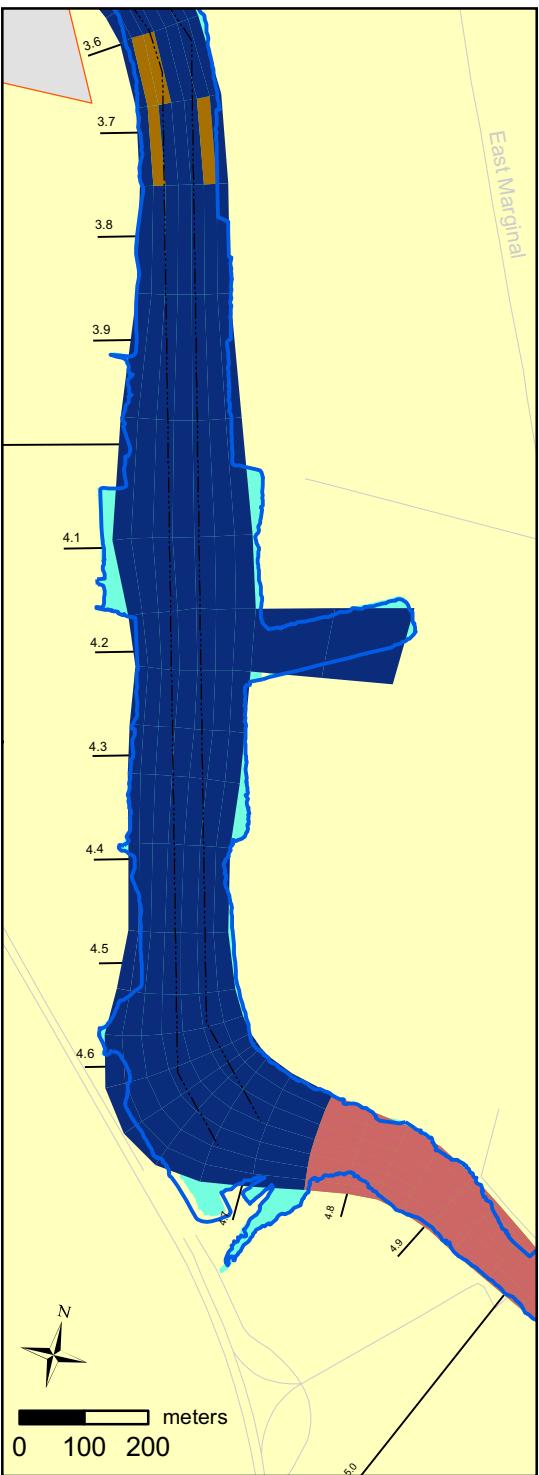
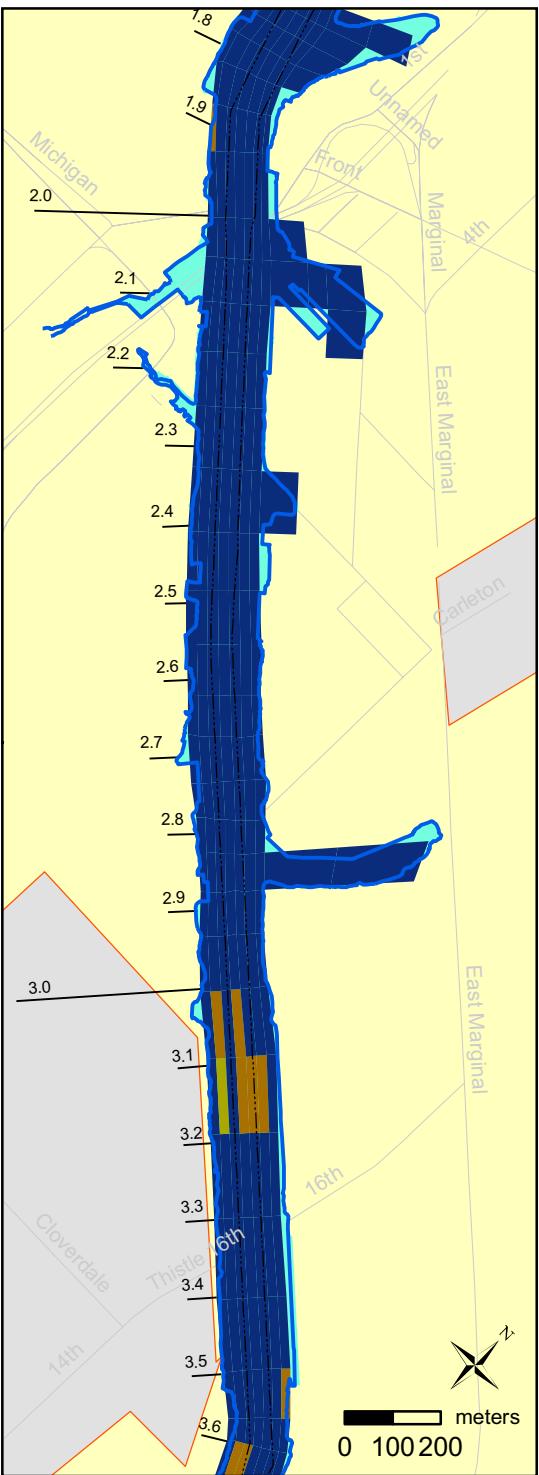
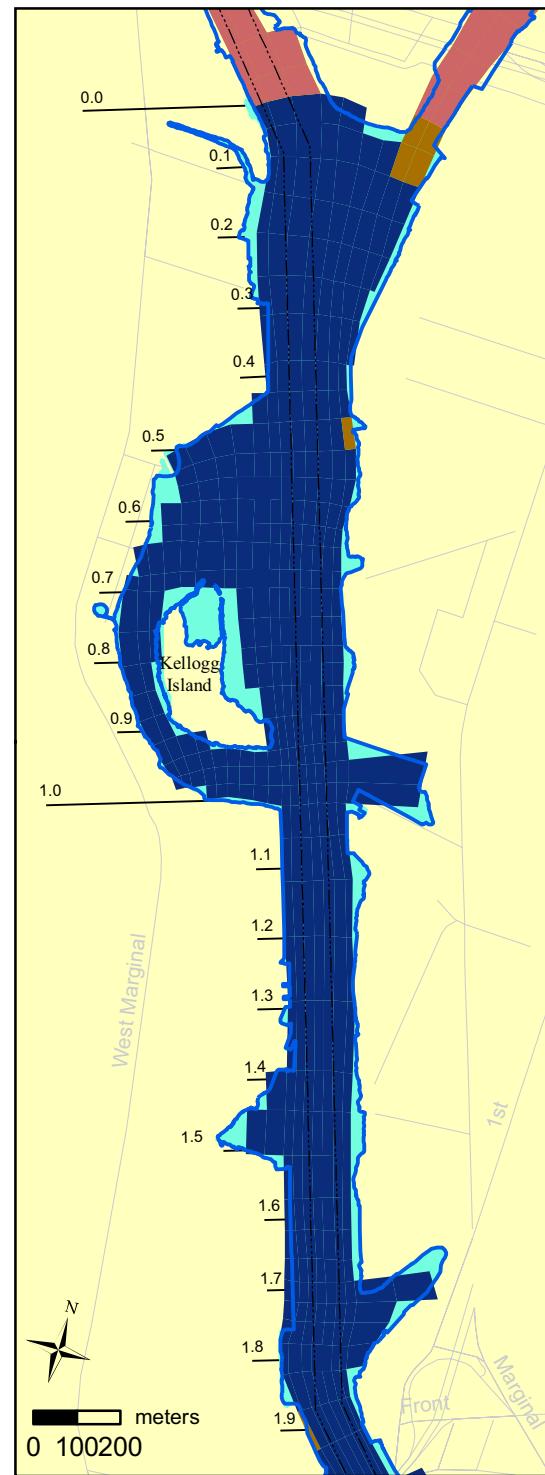


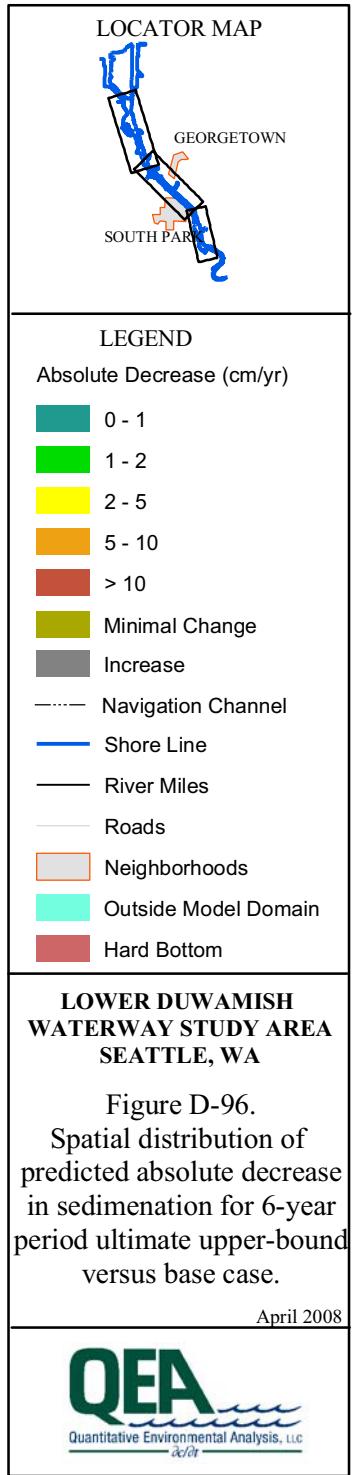
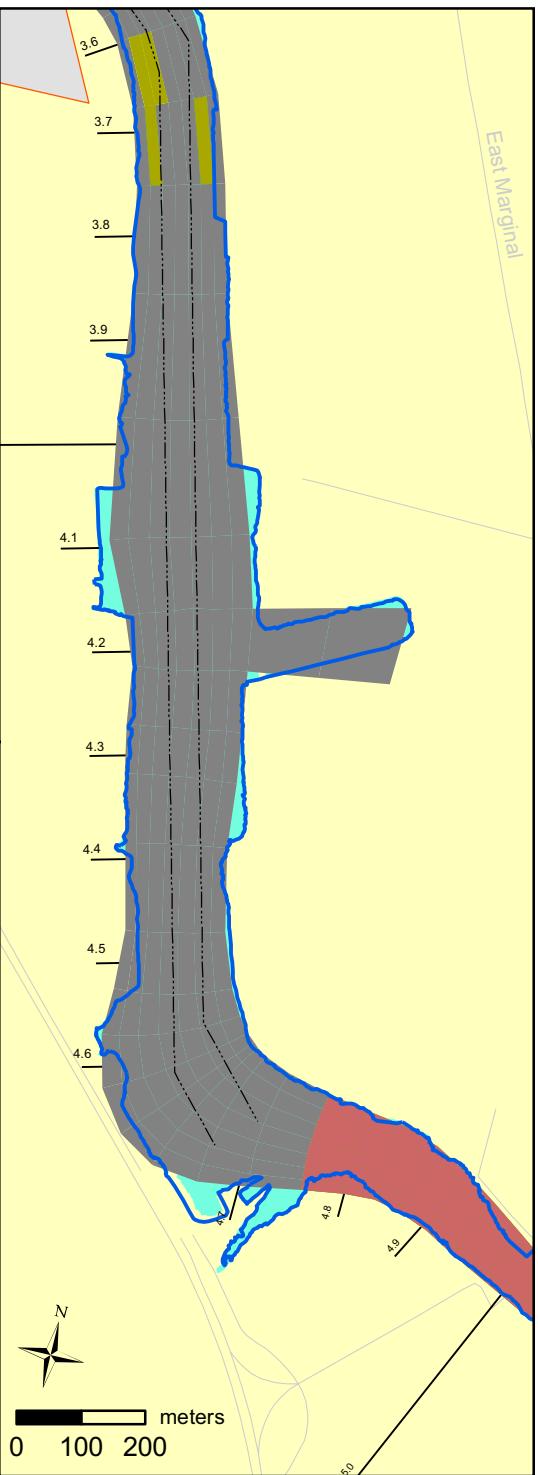
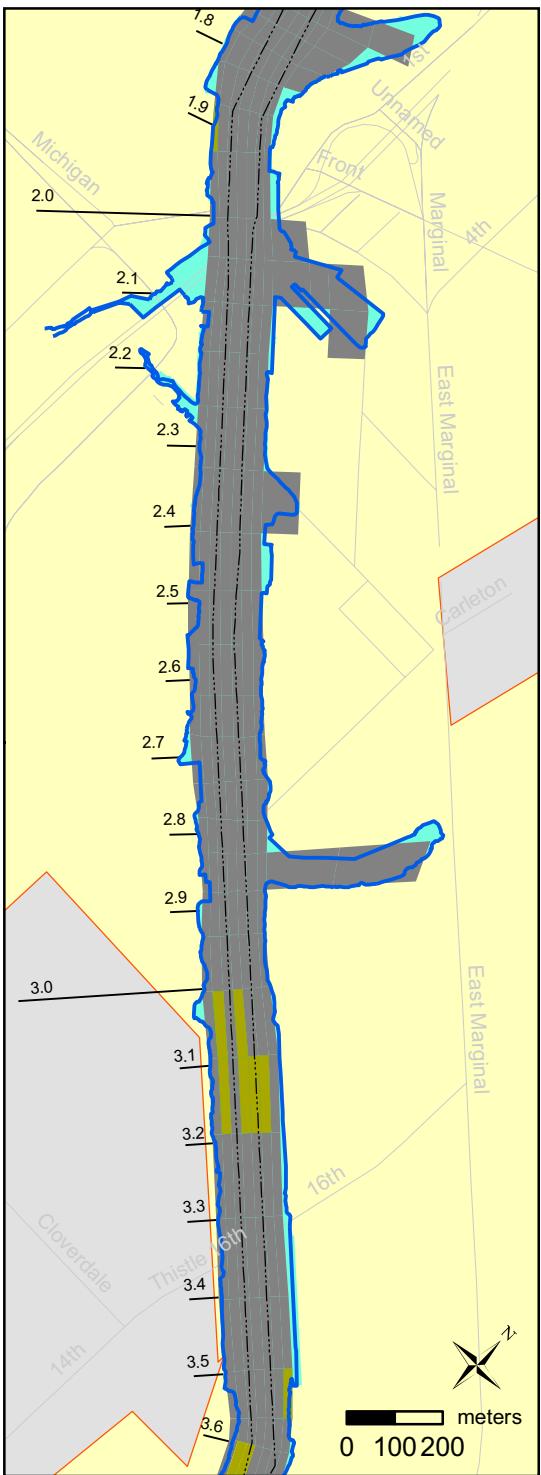
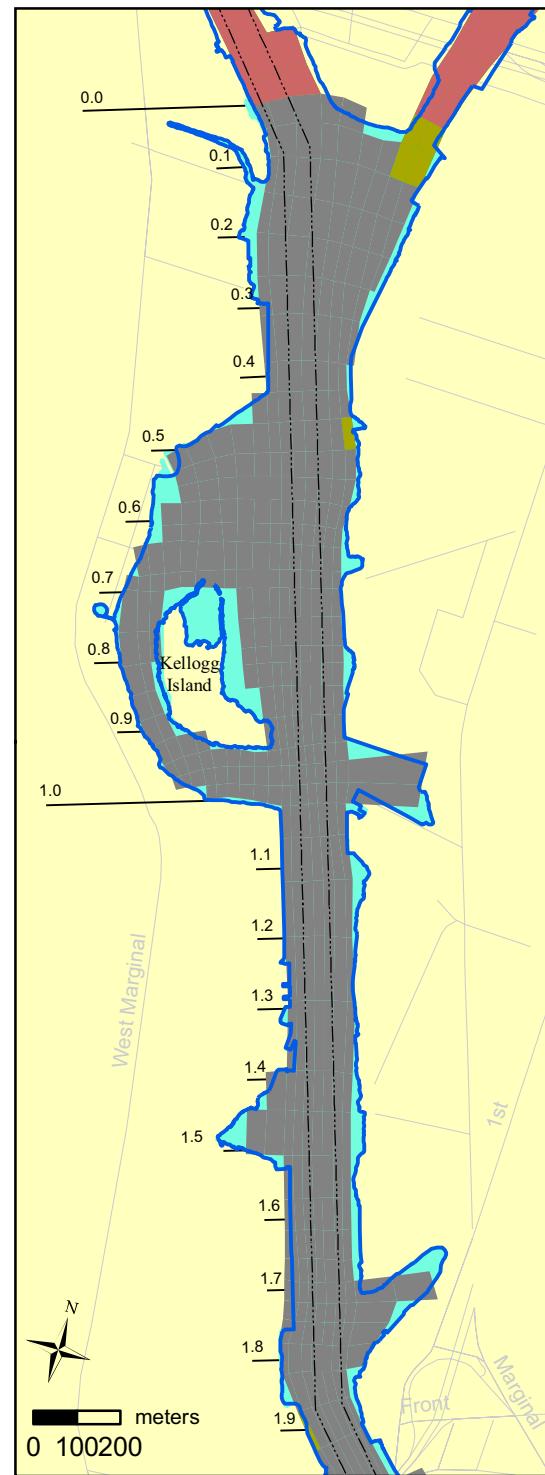
**Figure D-91. Comparison of predicted and empirically-derived net sedimentation rates in the west bench areas for 6-year period: base case, ultimate lower-bound (run 6), and ultimate upper-bound (run 16).**

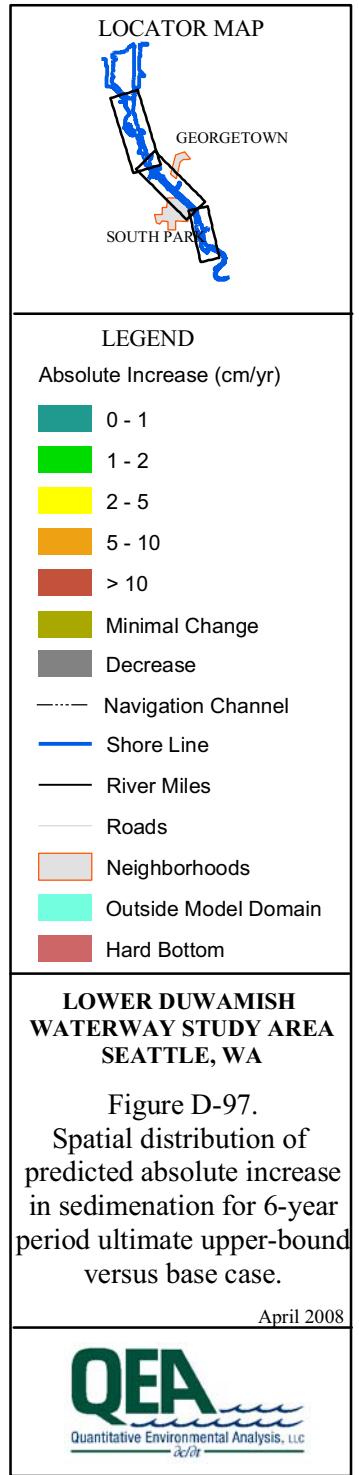
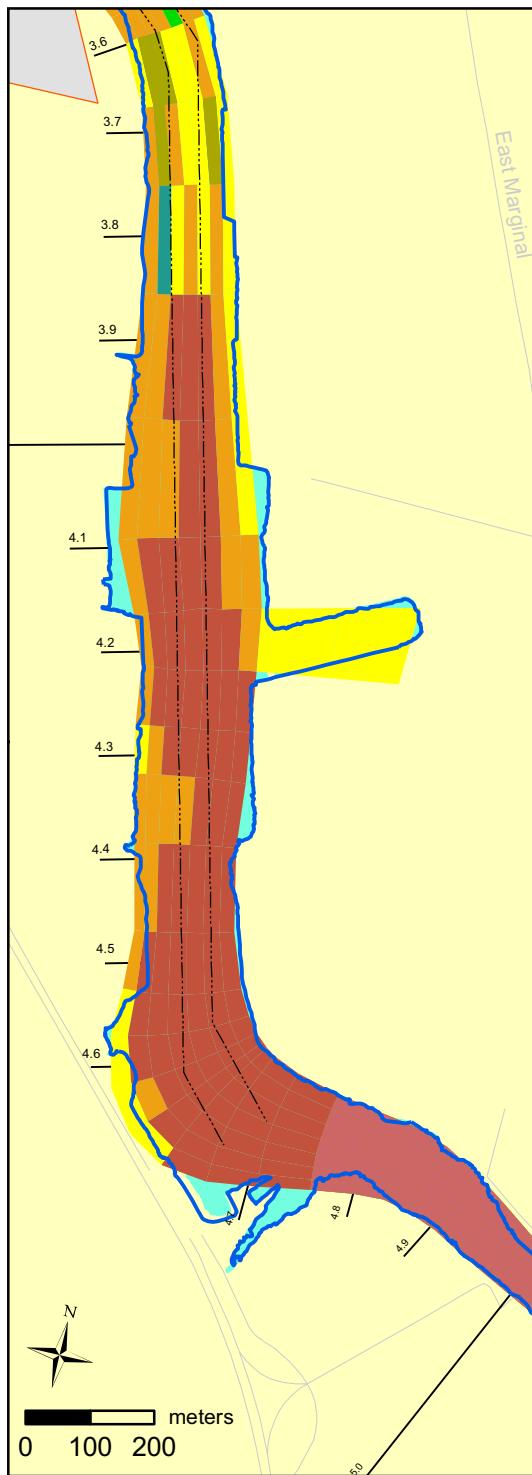
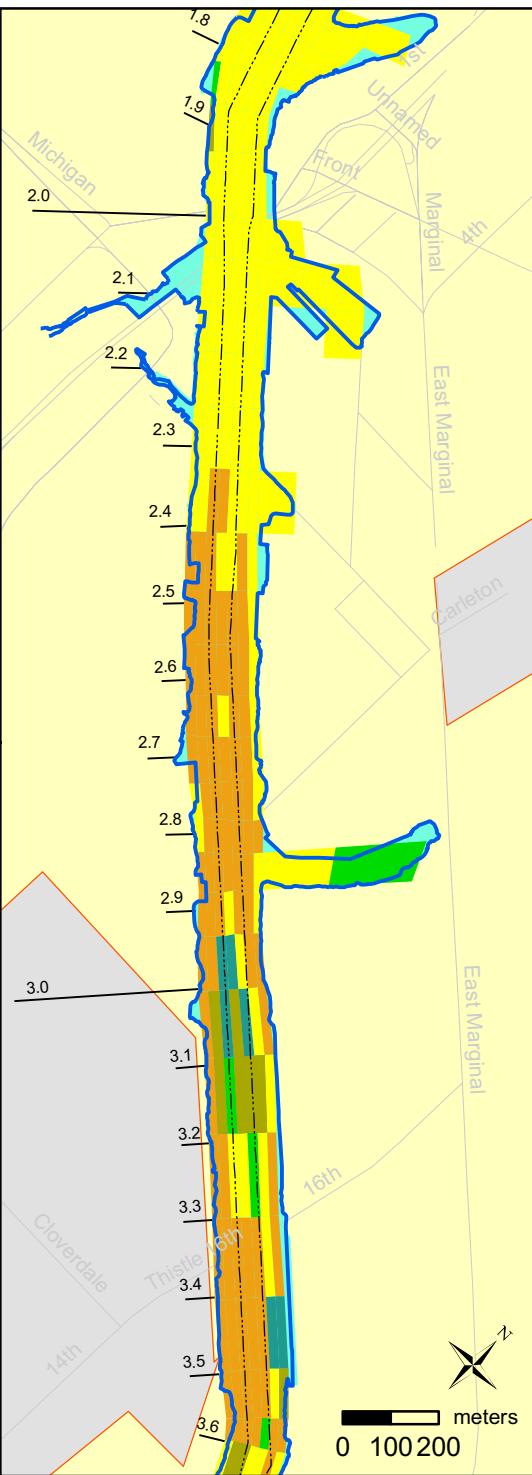
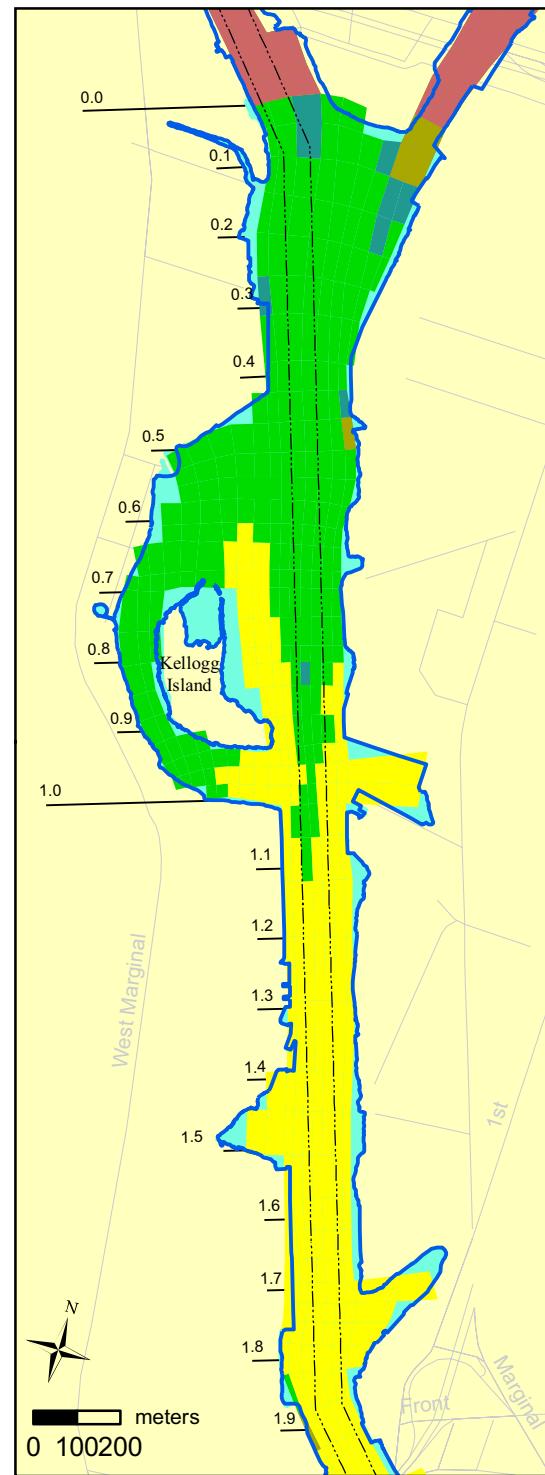




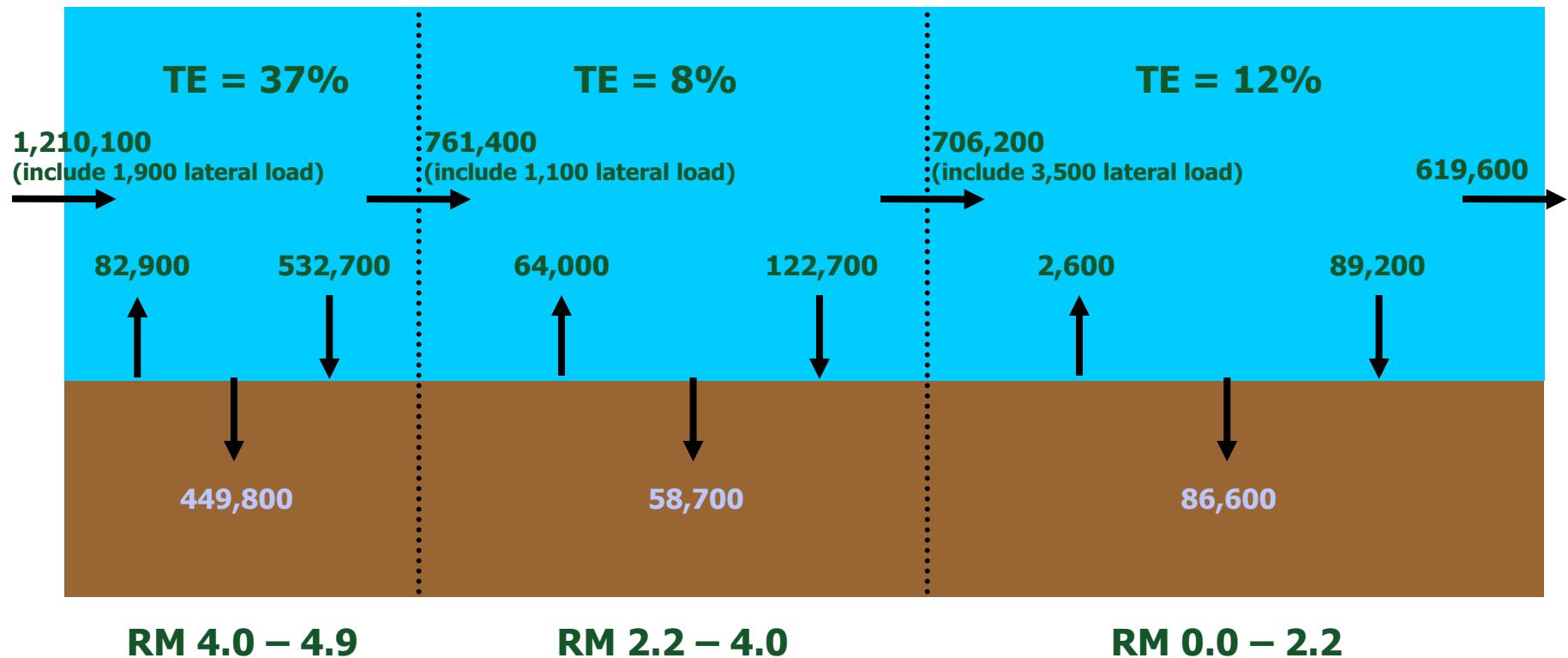








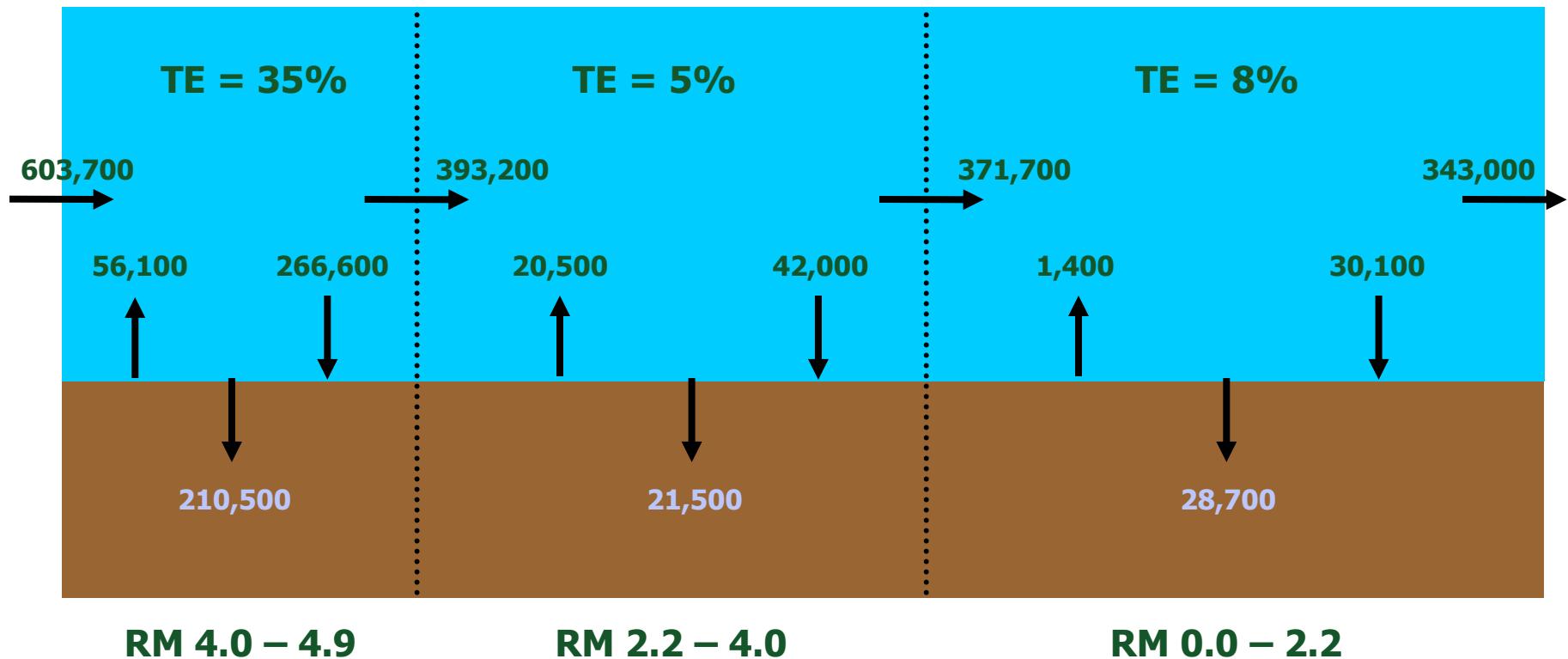
**Total Sediment Mass Balance for 6-Year Period: Base case**  
**Overall Trapping Efficiency = 49%**



**Sediment mass units = metric tons**  
**Mass balance results rounded to nearest 100 MT**

Figure D-98. Total sediment mass balances for 6-year period: base case.

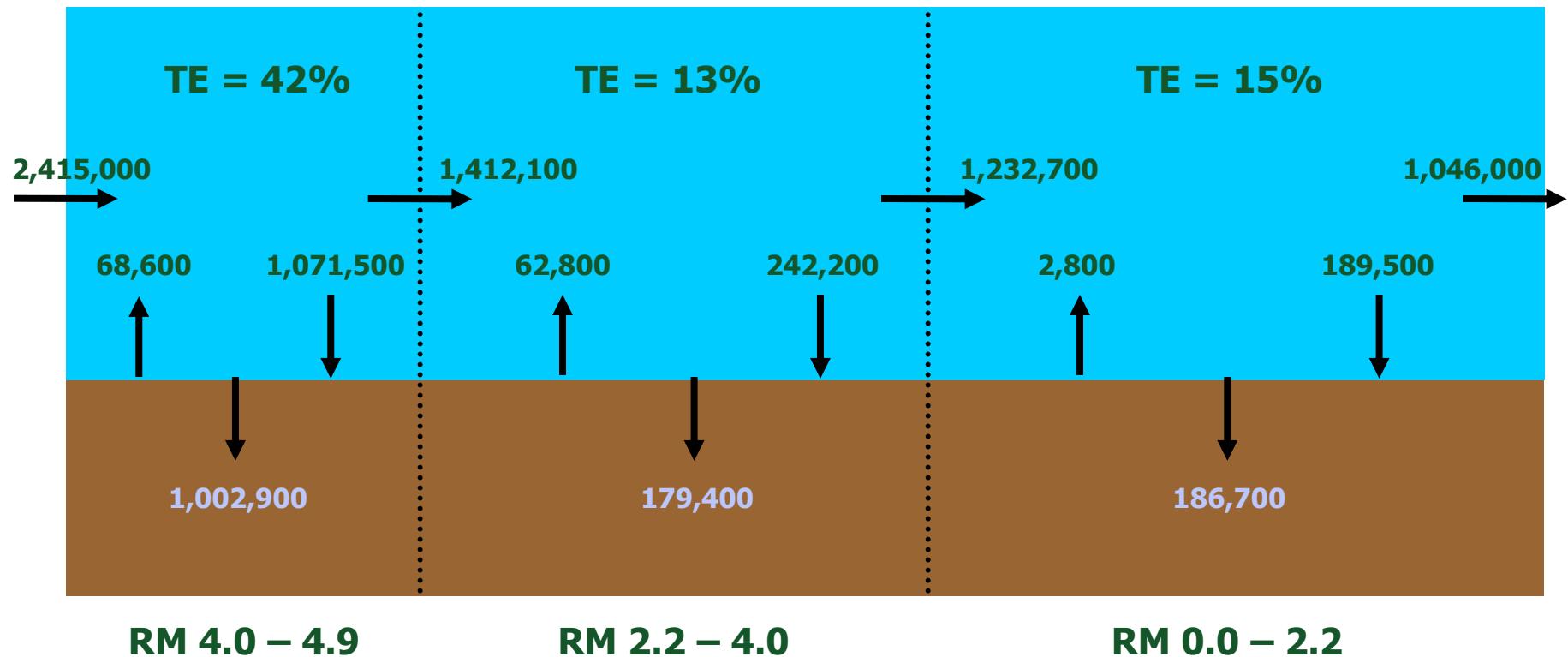
**Total Sediment Mass Balance for 6-Year Period: Ultimate Lower-Bound (Run 6)**  
**Overall Trapping Efficiency = 43%**



**Sediment mass units = metric tons**  
**Mass balance results rounded to nearest 100 MT**

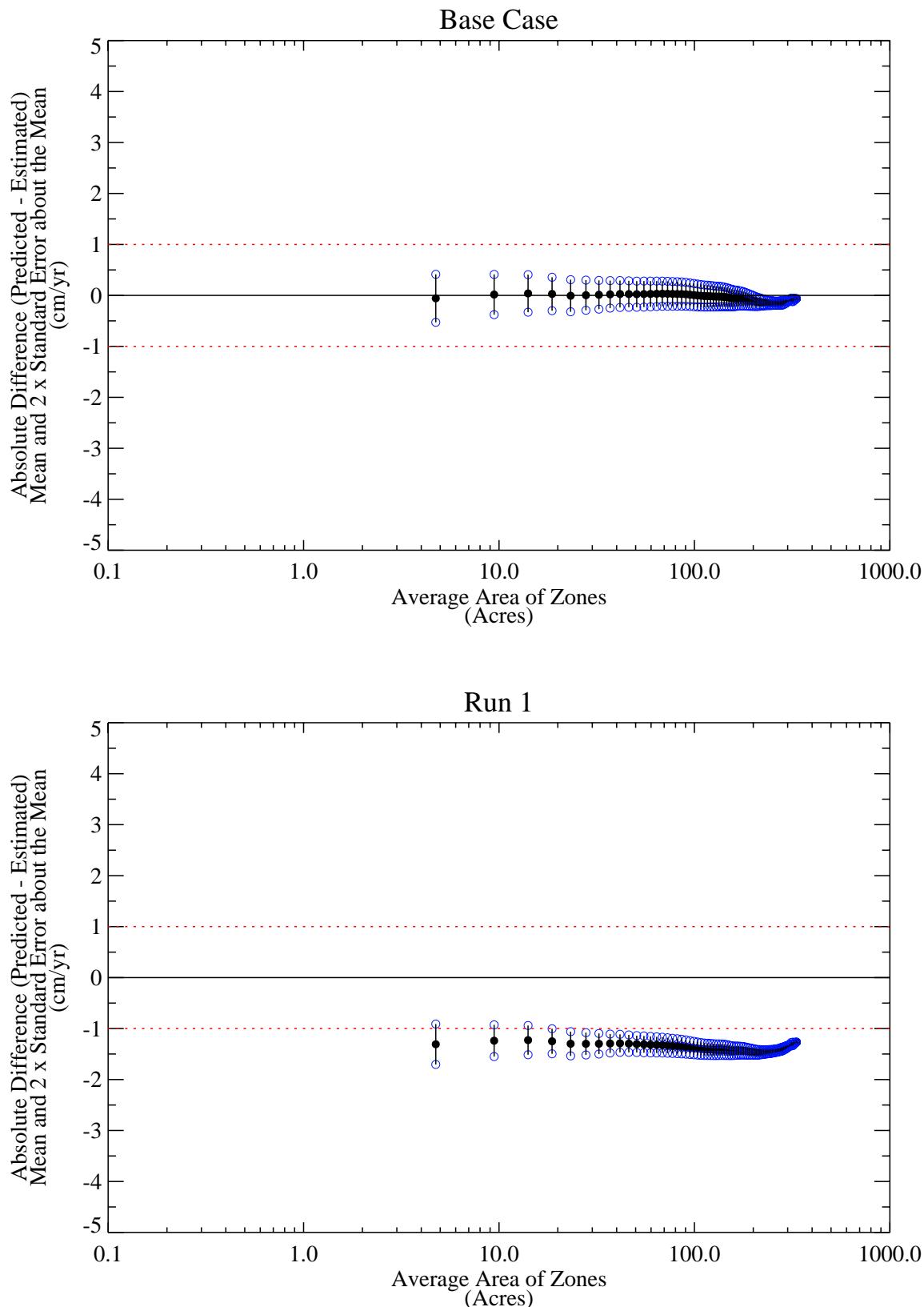
Figure D-99. Total sediment mass balances for 6-year period: ultimate lower-bound.

**Total Sediment Mass Balance for 6-Year Period: Ultimate Upper-Bound (Run 16)**  
**Overall Trapping Efficiency = 57%**



**Sediment mass units = metric tons**  
**Mass balance results rounded to nearest 100 MT**

Figure D-100. Total sediment mass balances for 6-year period: ultimate upper-bound.

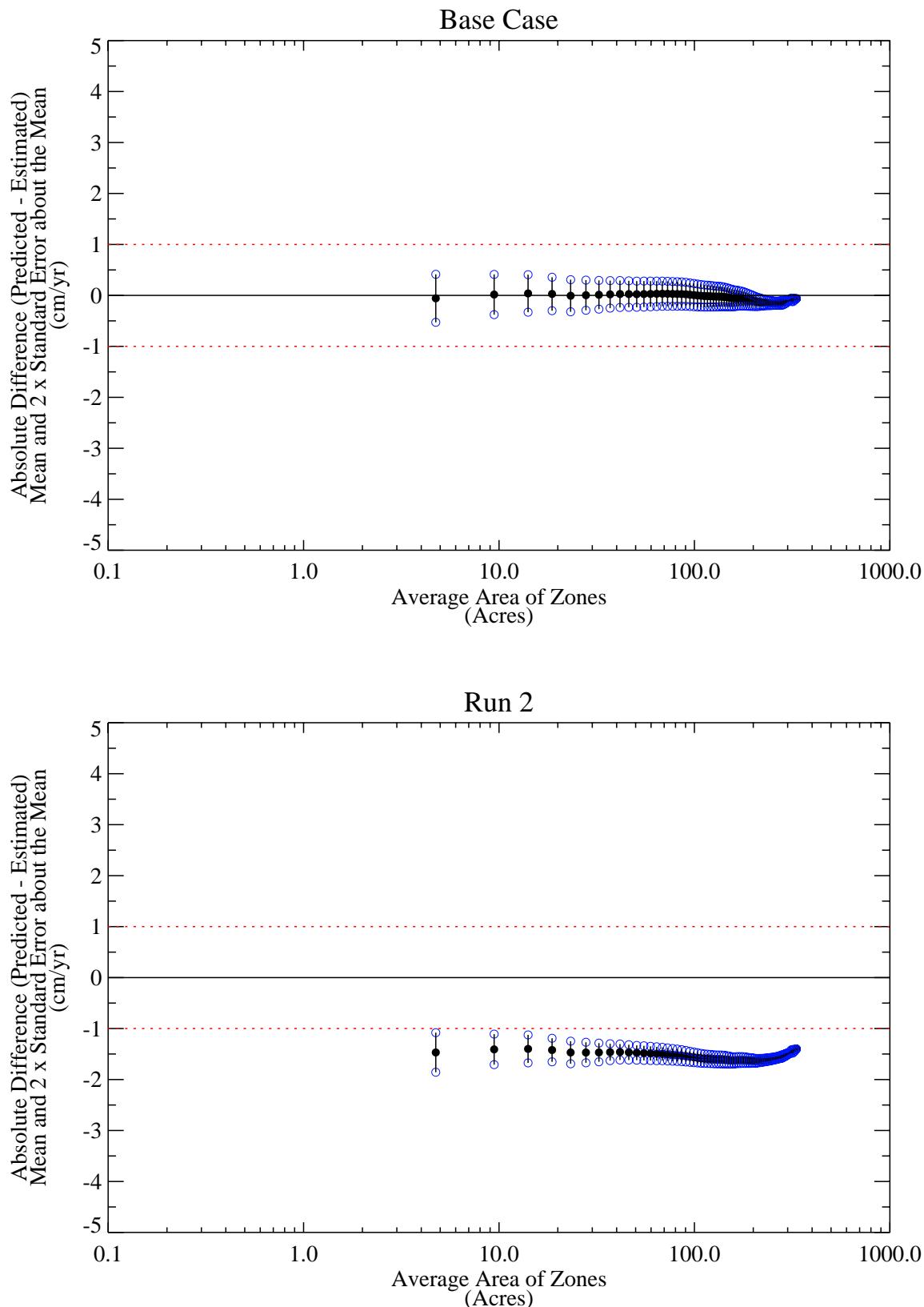


**Figure D-101. Absolute difference in net sedimentation rate for different spatial scale: Run 1, RM 0 to 4, 6-year simulation.**

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 estimated data, 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..

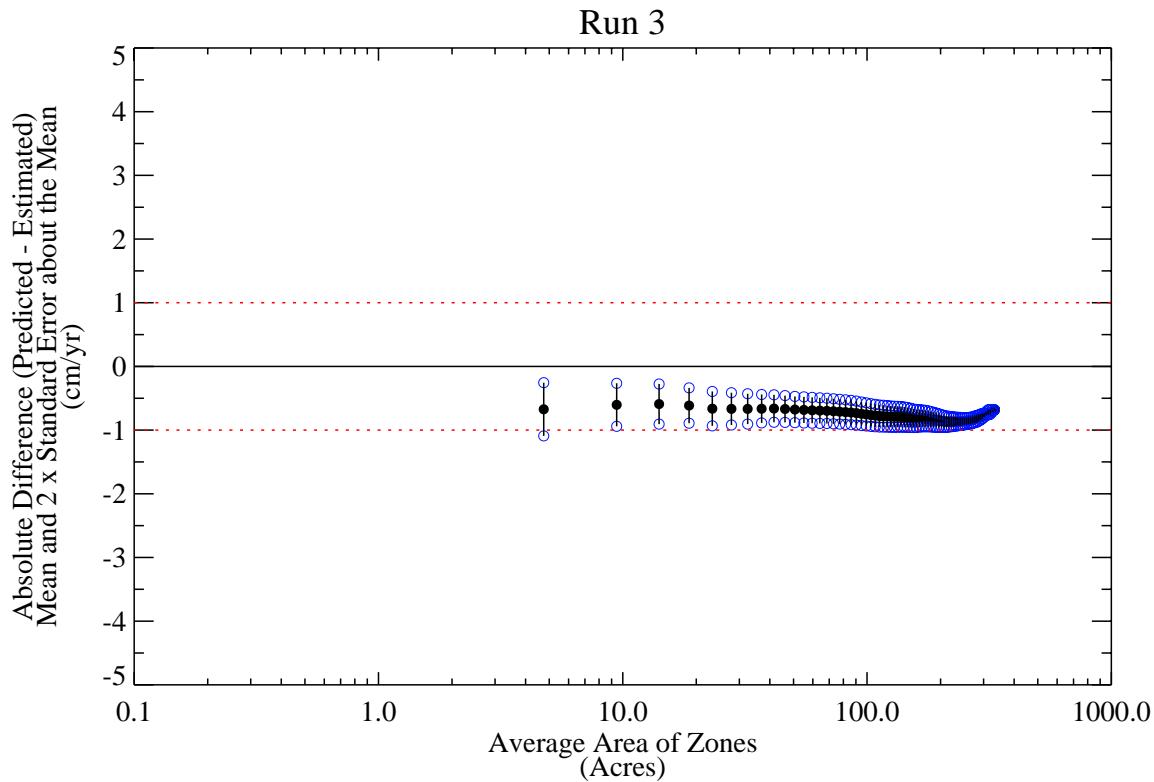
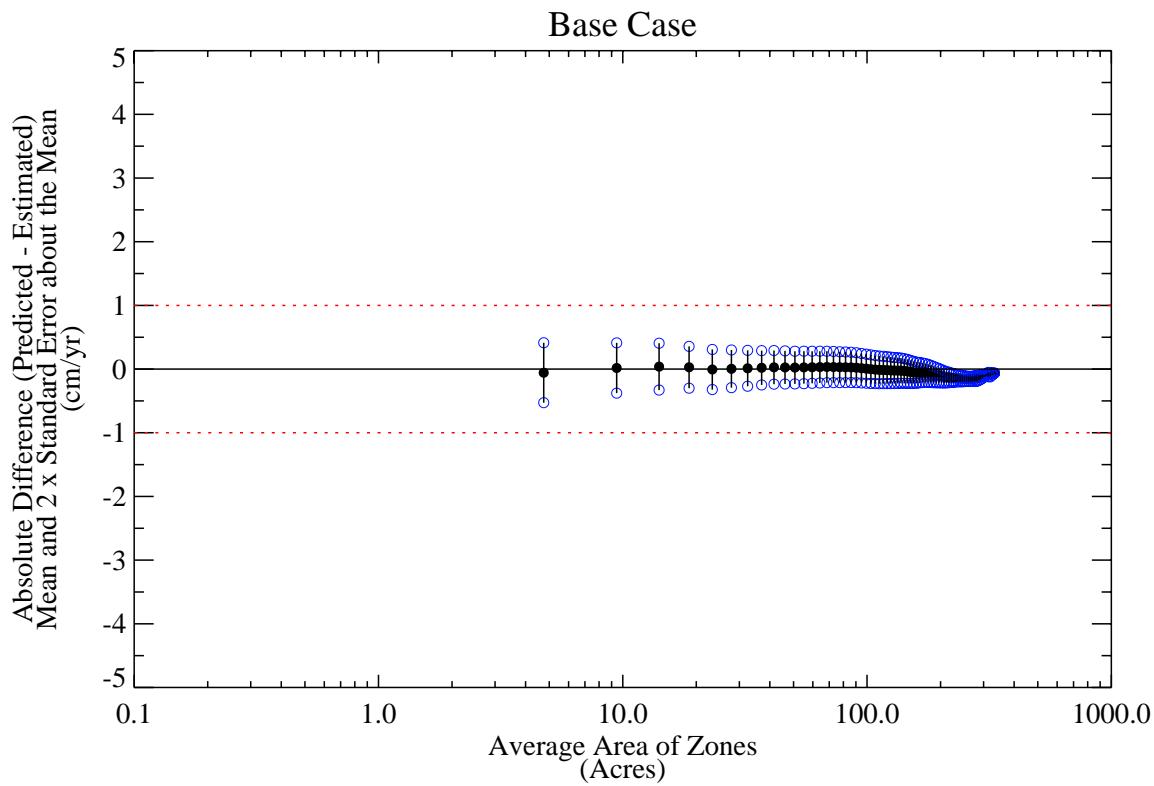


**Figure D-102. Absolute difference in net sedimentation rate for different spatial scale: Run 2, RM 0 to 4, 6-year simulation.**

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 estimated data, 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..

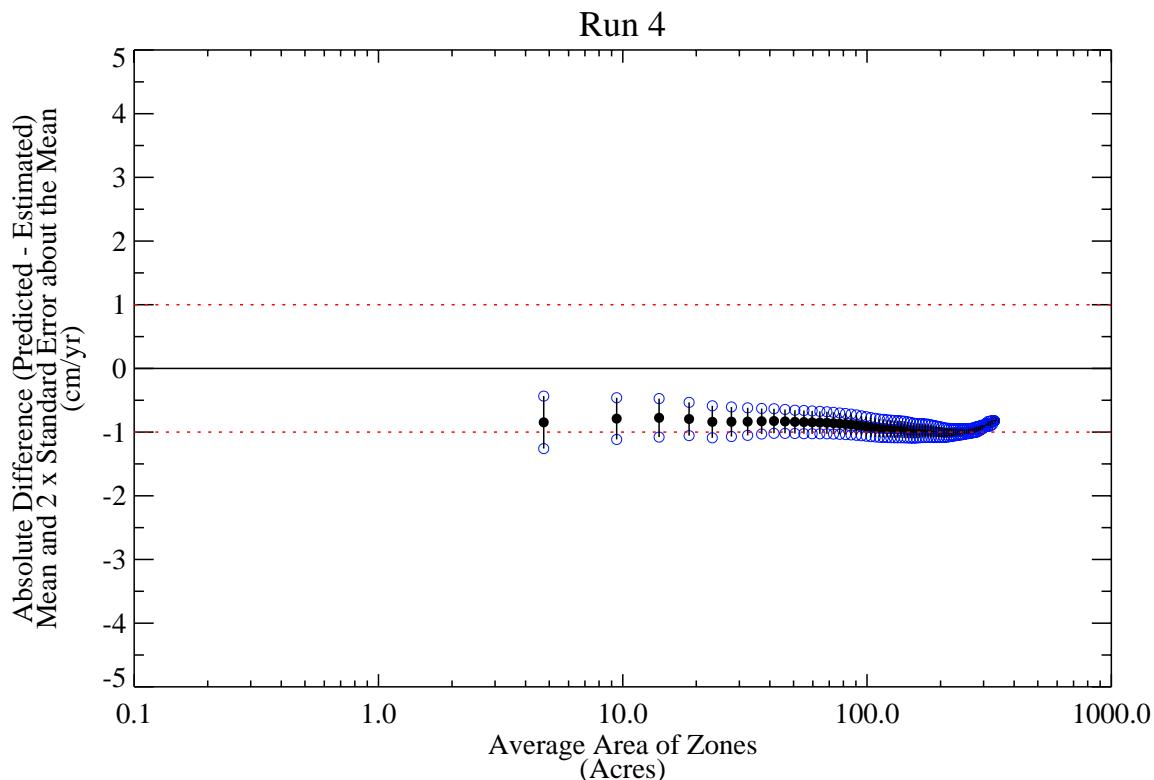
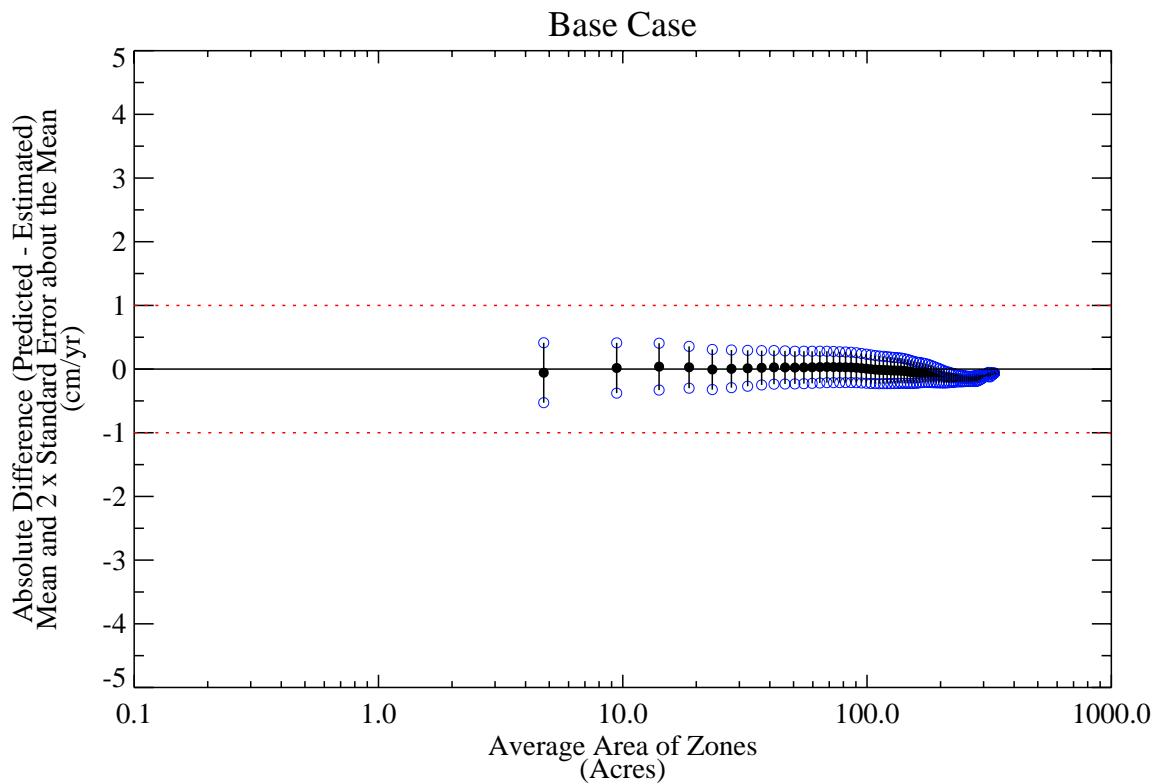


**Figure D-103. Absolute difference in net sedimentation rate for different spatial scale: Run 3, RM 0 to 4, 6-year simulation.**

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 estimated data, 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..

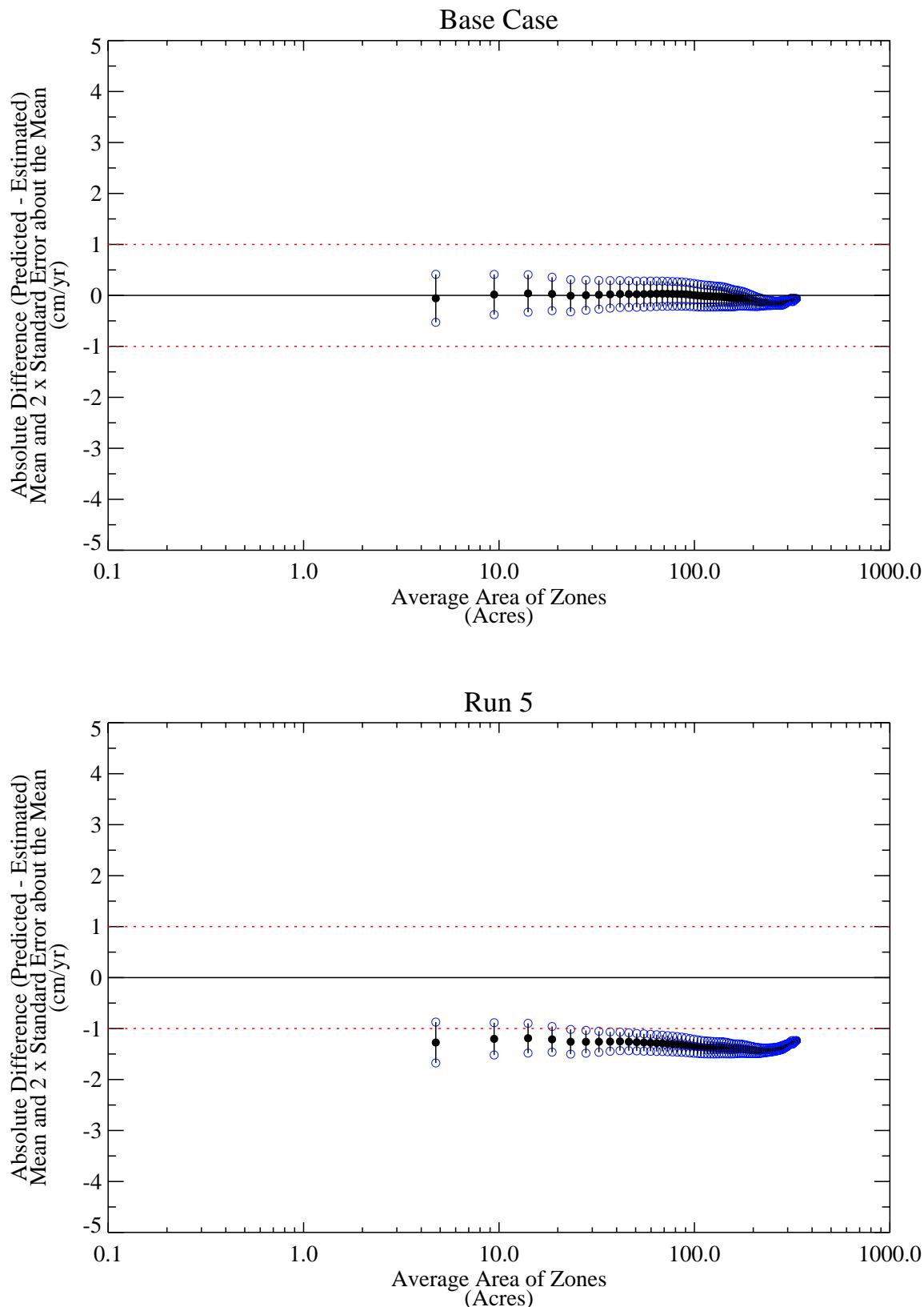


**Figure D-104. Absolute difference in net sedimentation rate for different spatial scale: Run 4, RM 0 to 4, 6-year simulation.**

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 estimated data, 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..

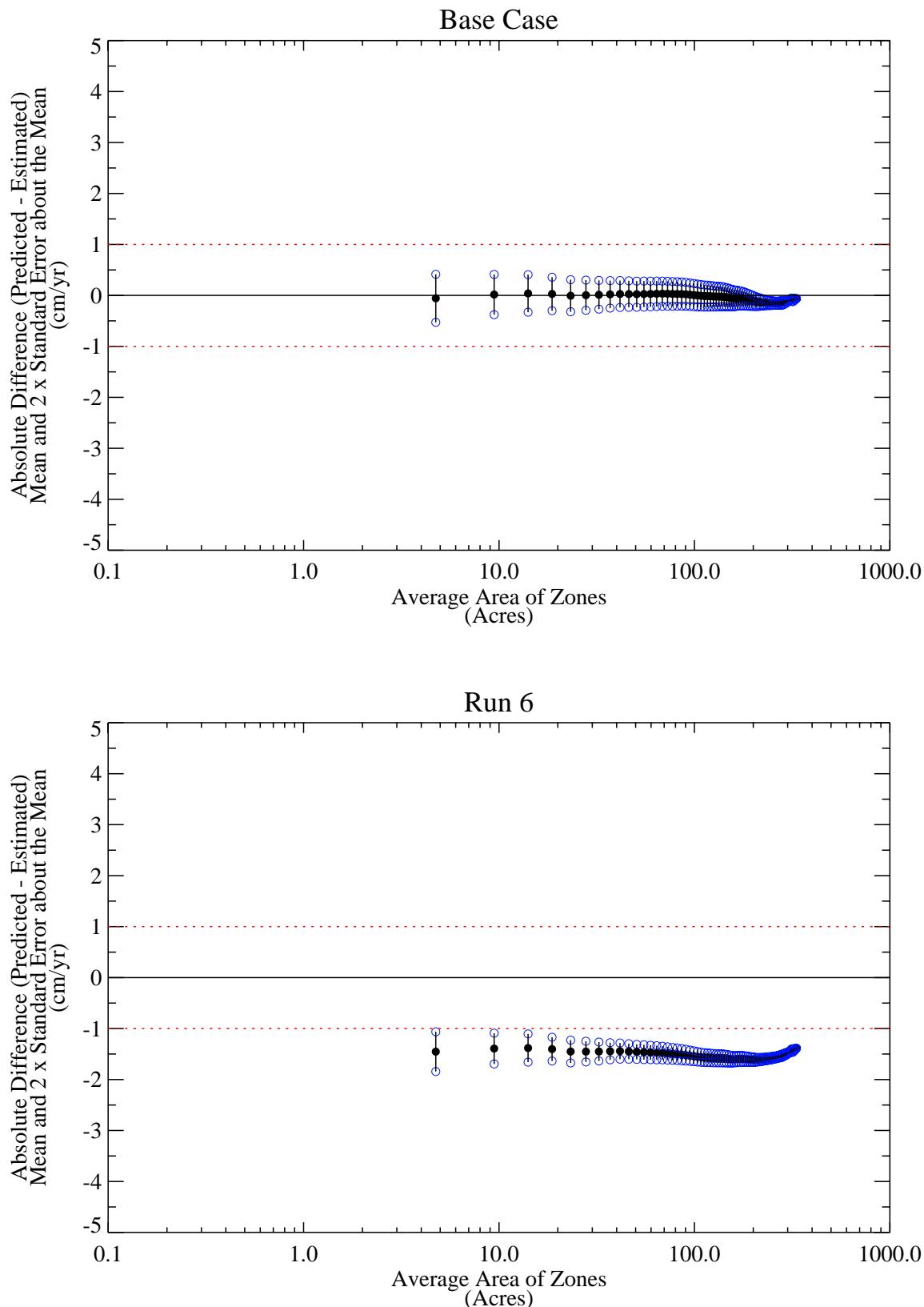


**Figure D-105. Absolute difference in net sedimentation rate for different spatial scale: Run 5, RM 0 to 4, 6-year simulation.**

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 estimated data, 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..

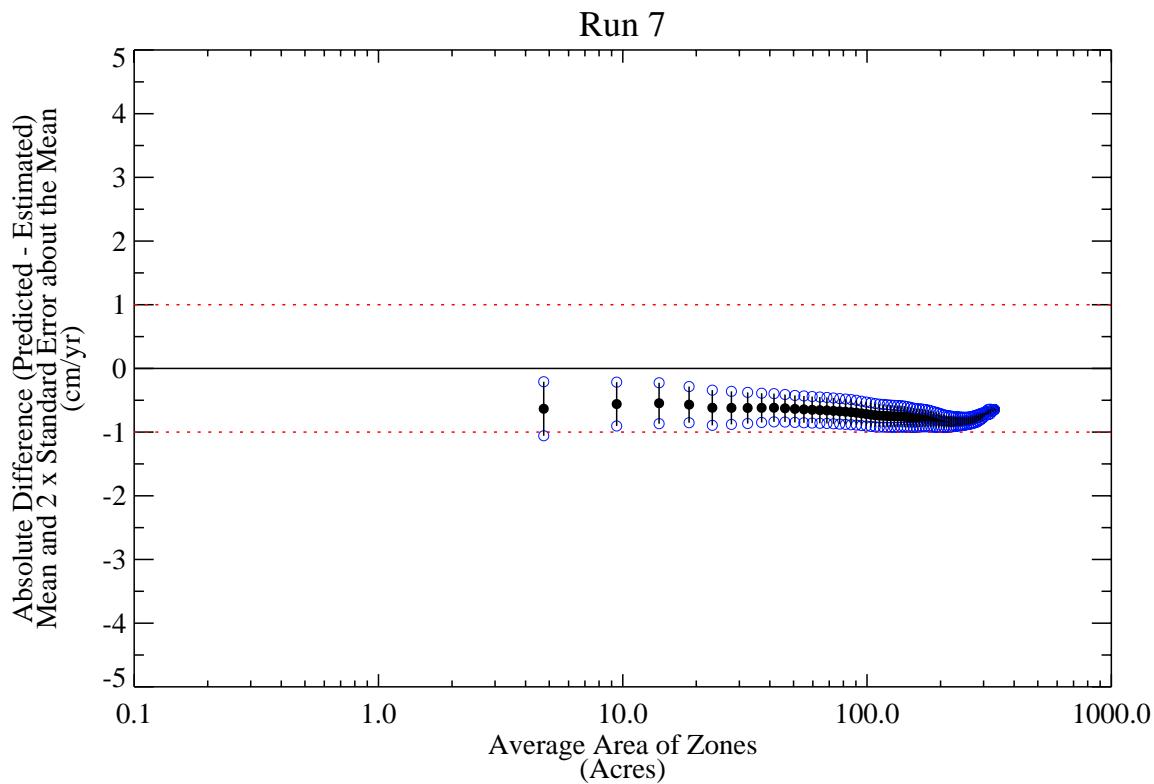
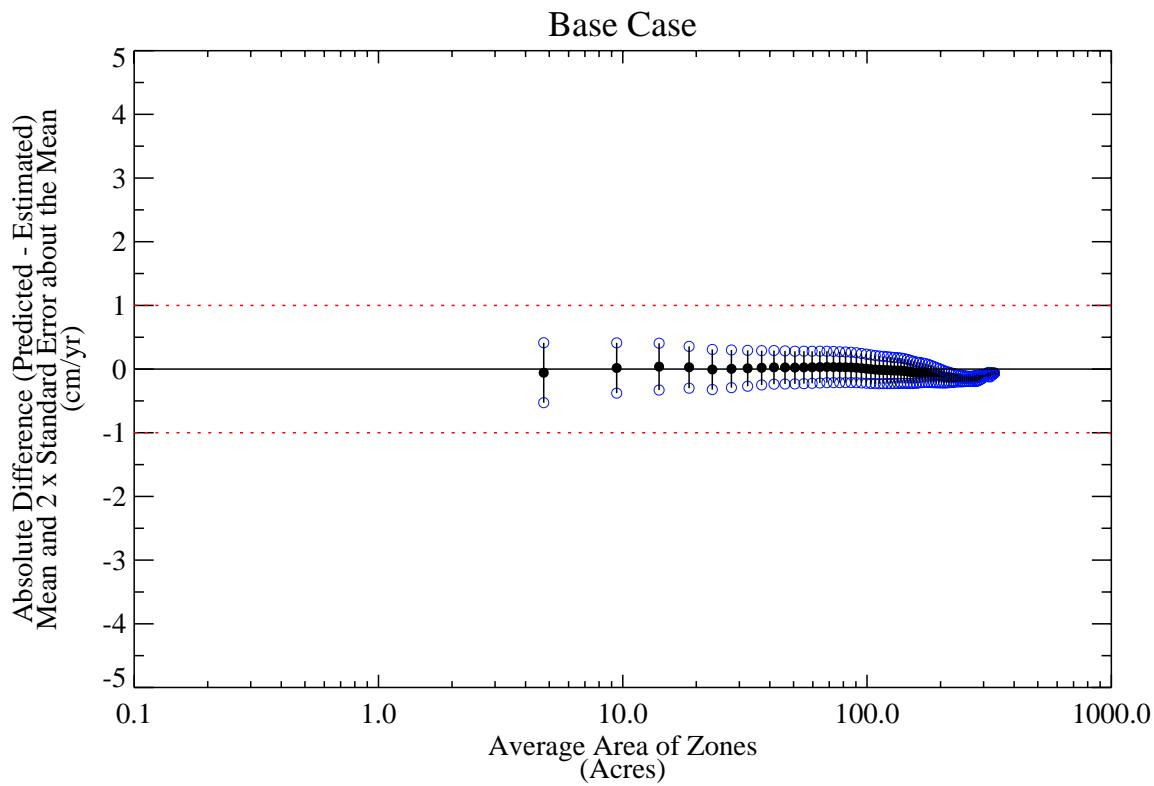


**Figure D-106. Absolute difference in net sedimentation rate for different spatial scale: Run 6, RM 0 to 4, 6-year simulation.**

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 estimated data, 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..

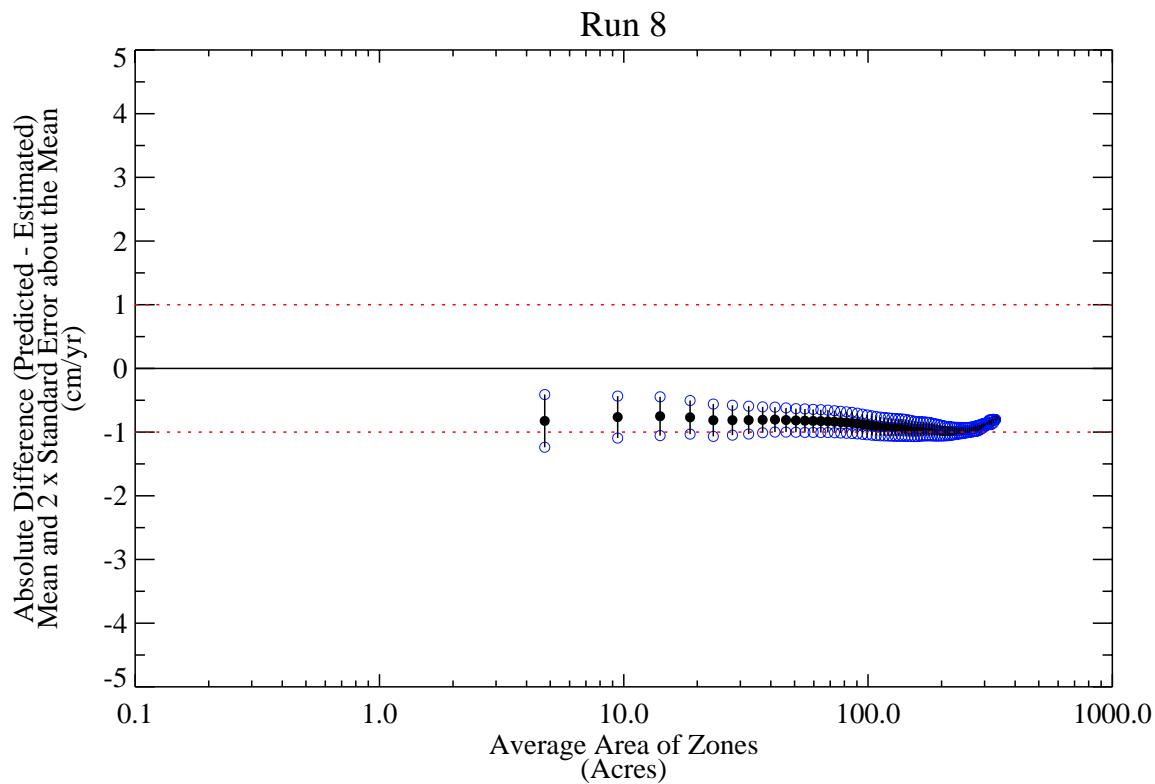
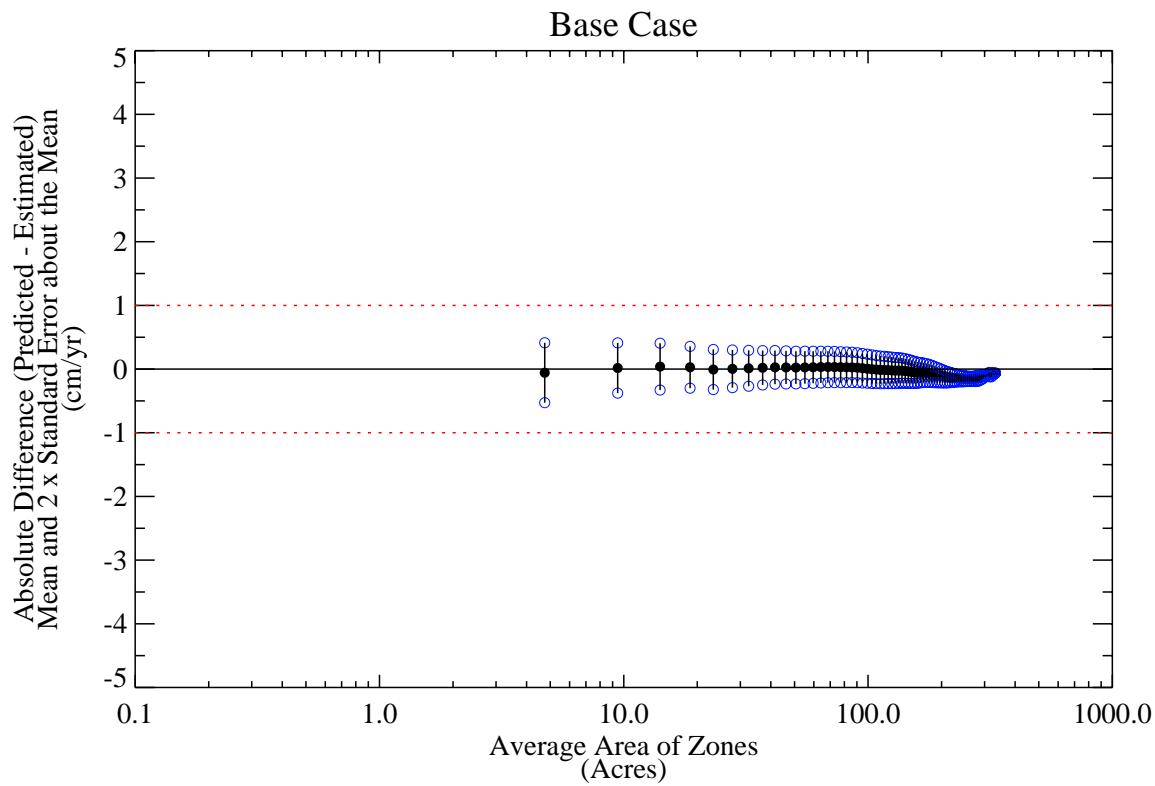


**Figure D-107. Absolute difference in net sedimentation rate for different spatial scale: Run 7, RM 0 to 4, 6-year simulation.**

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 estimated data, 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..

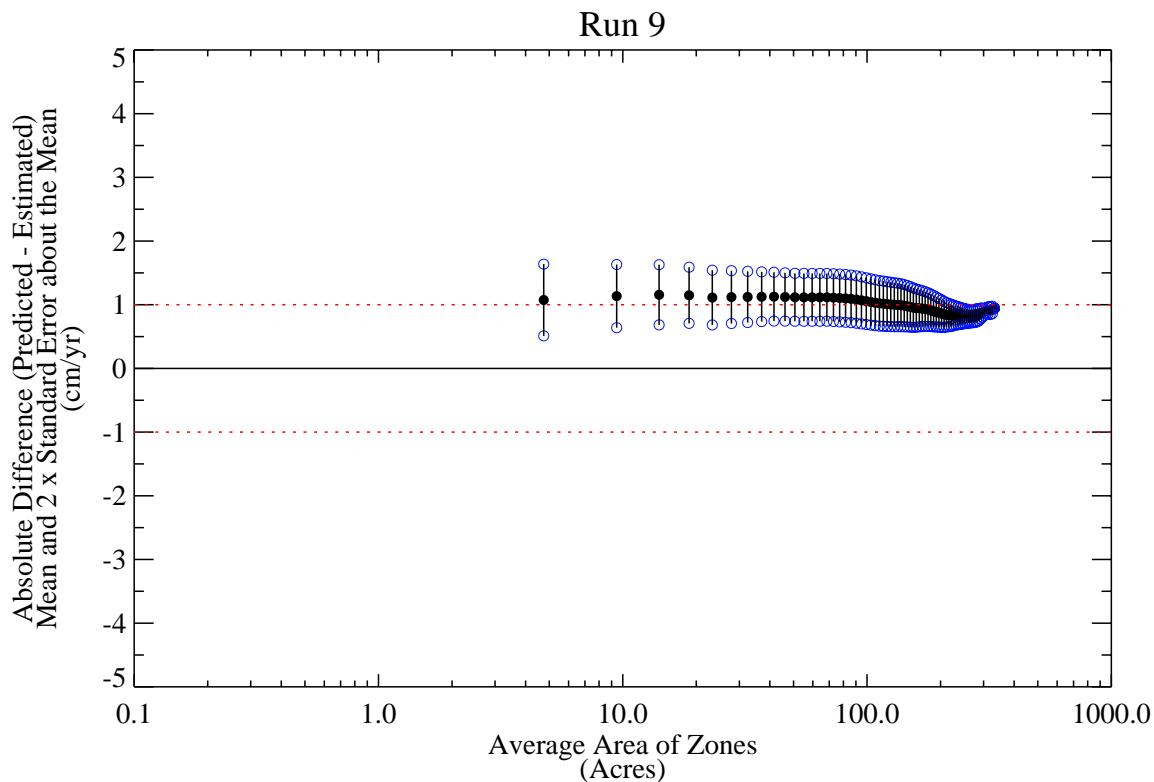
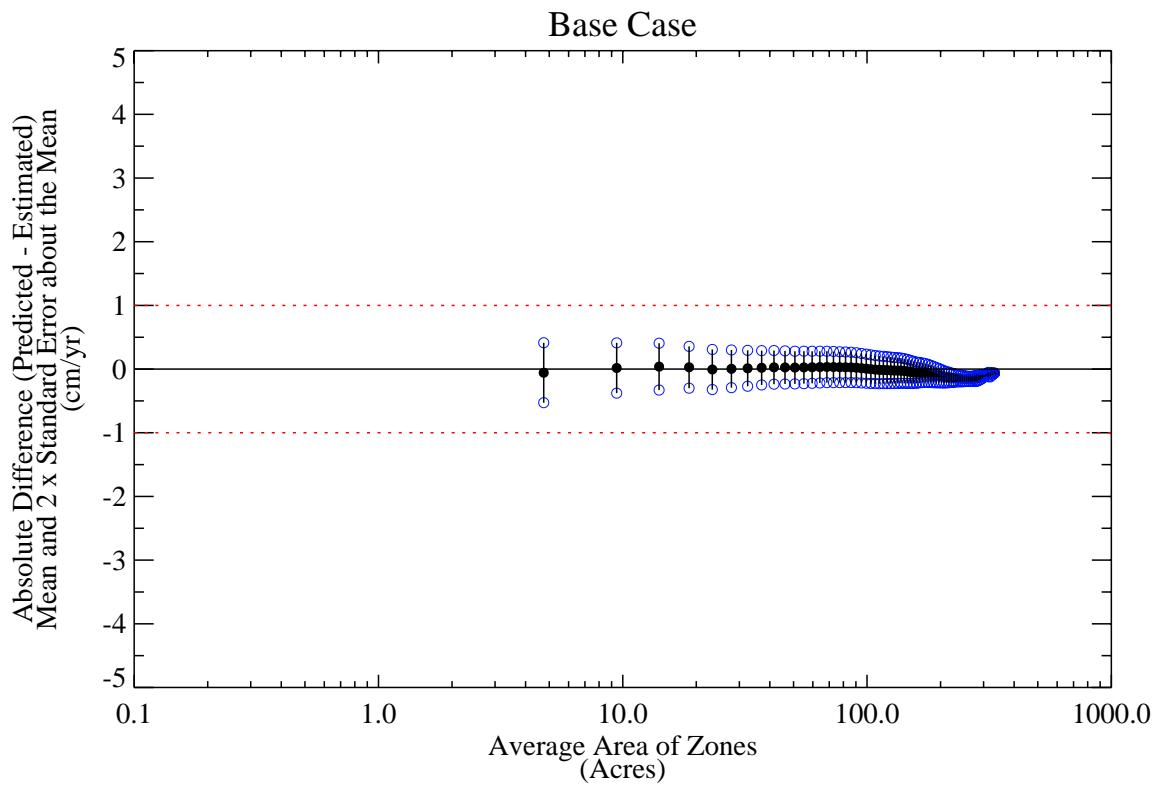


**Figure D-108. Absolute difference in net sedimentation rate for different spatial scale: Run 8, RM 0 to 4, 6-year simulation.**

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 estimated data, 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..

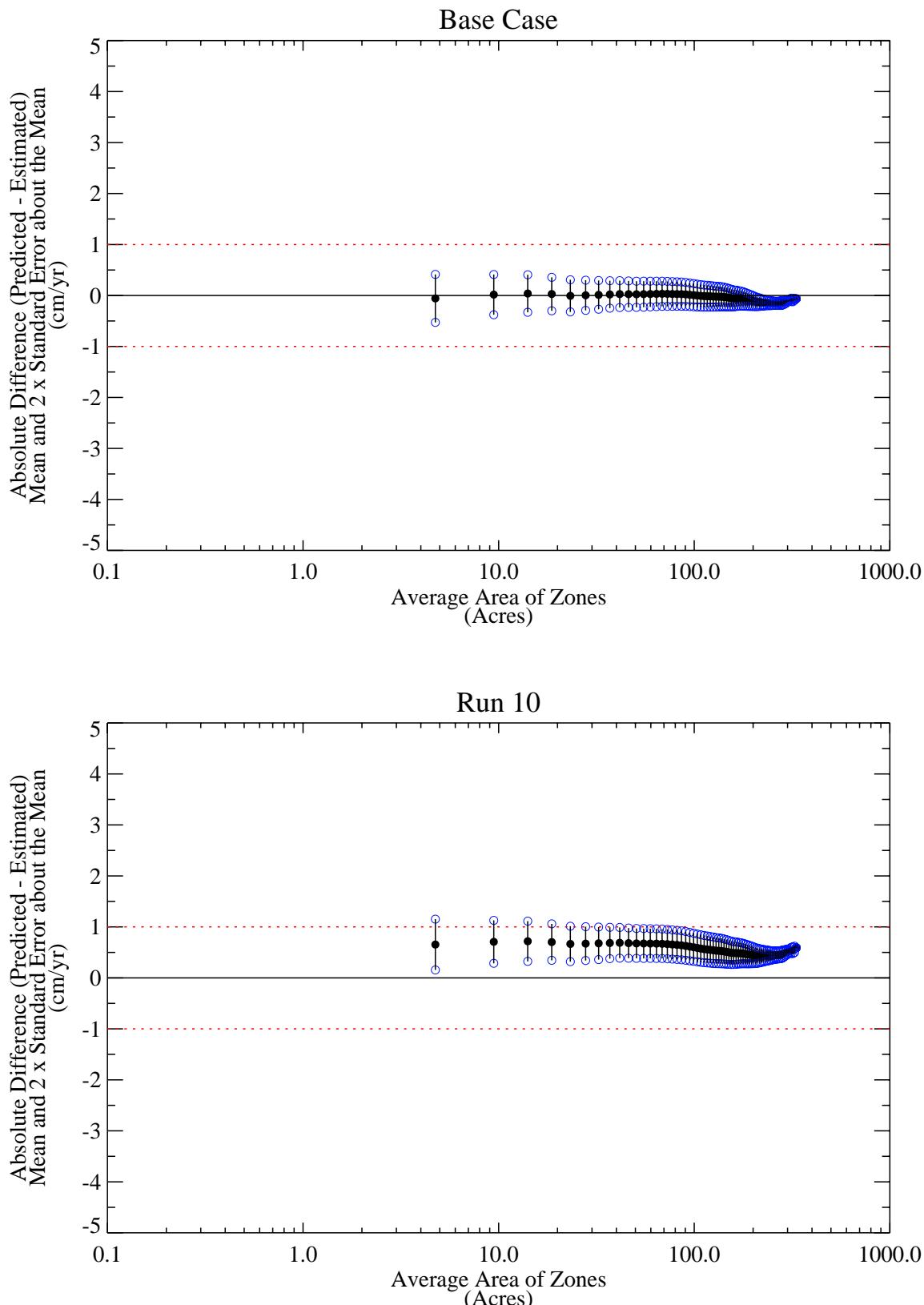


**Figure D-109. Absolute difference in net sedimentation rate for different spatial scale: Run 9, RM 0 to 4, 6-year simulation.**

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 estimated data, 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..

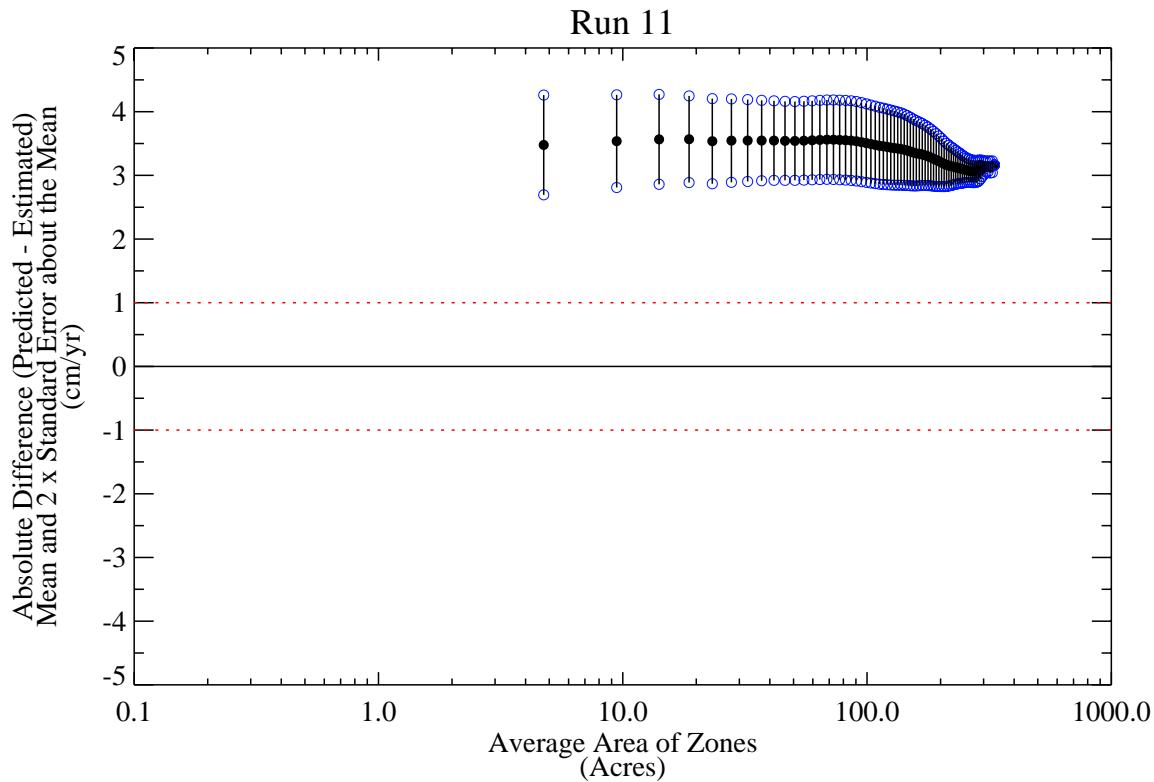
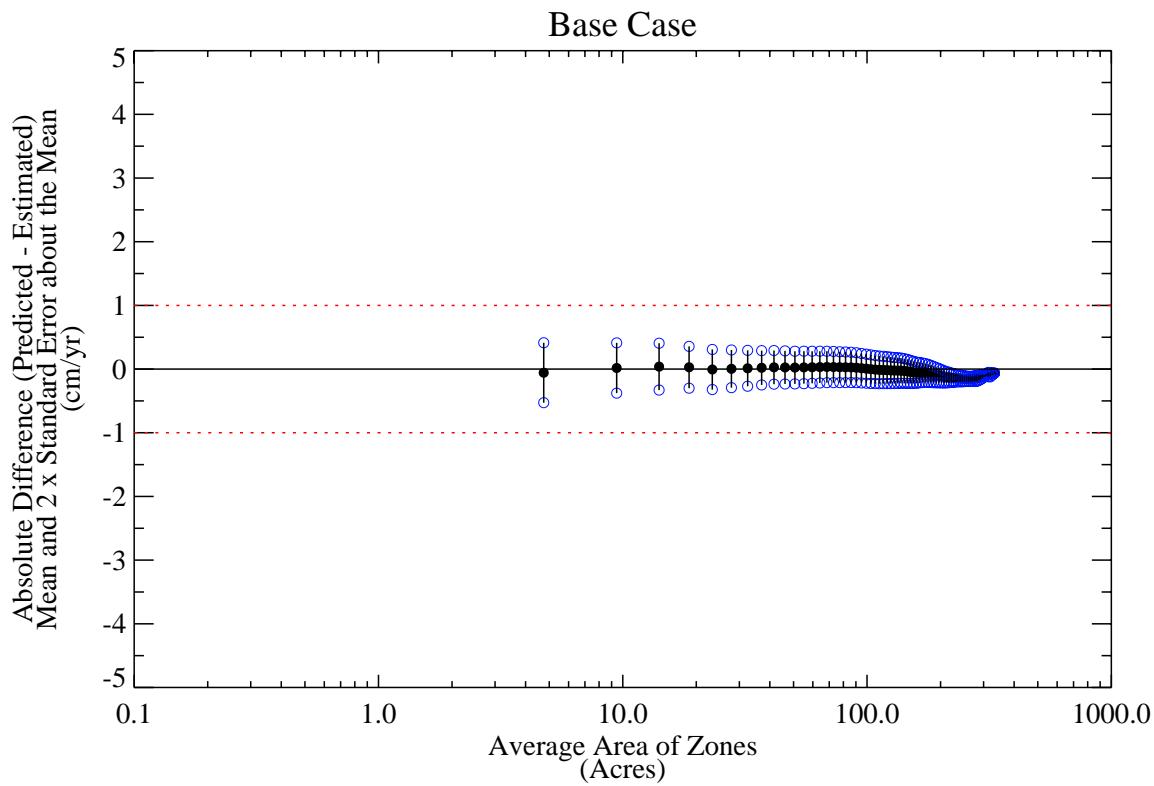


**Figure D-110. Absolute difference in net sedimentation rate for different spatial scale: Run 10, RM 0 to 4, 6-year simulation.**

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 estimated data, 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..

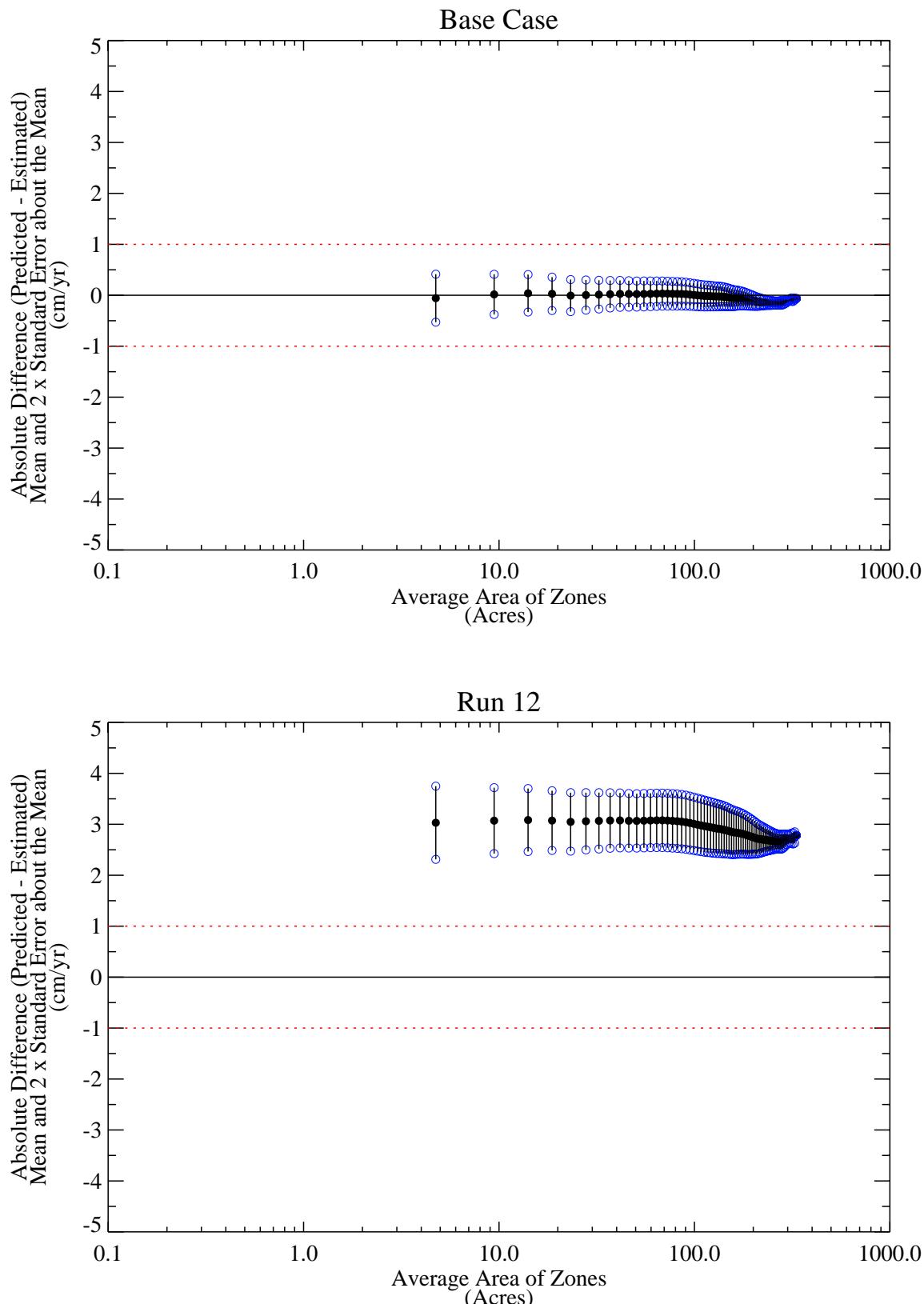


**Figure D-111. Absolute difference in net sedimentation rate for different spatial scale: Run 11, RM 0 to 4, 6-year simulation.**

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 estimated data, 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..

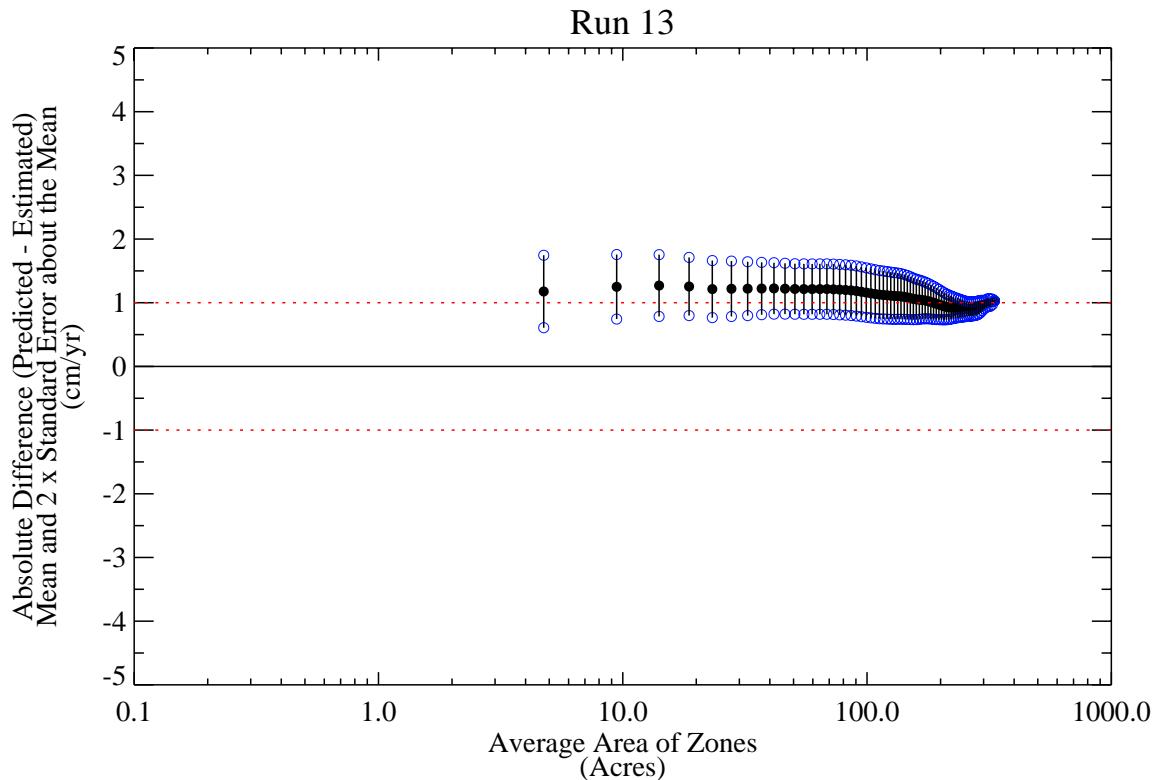
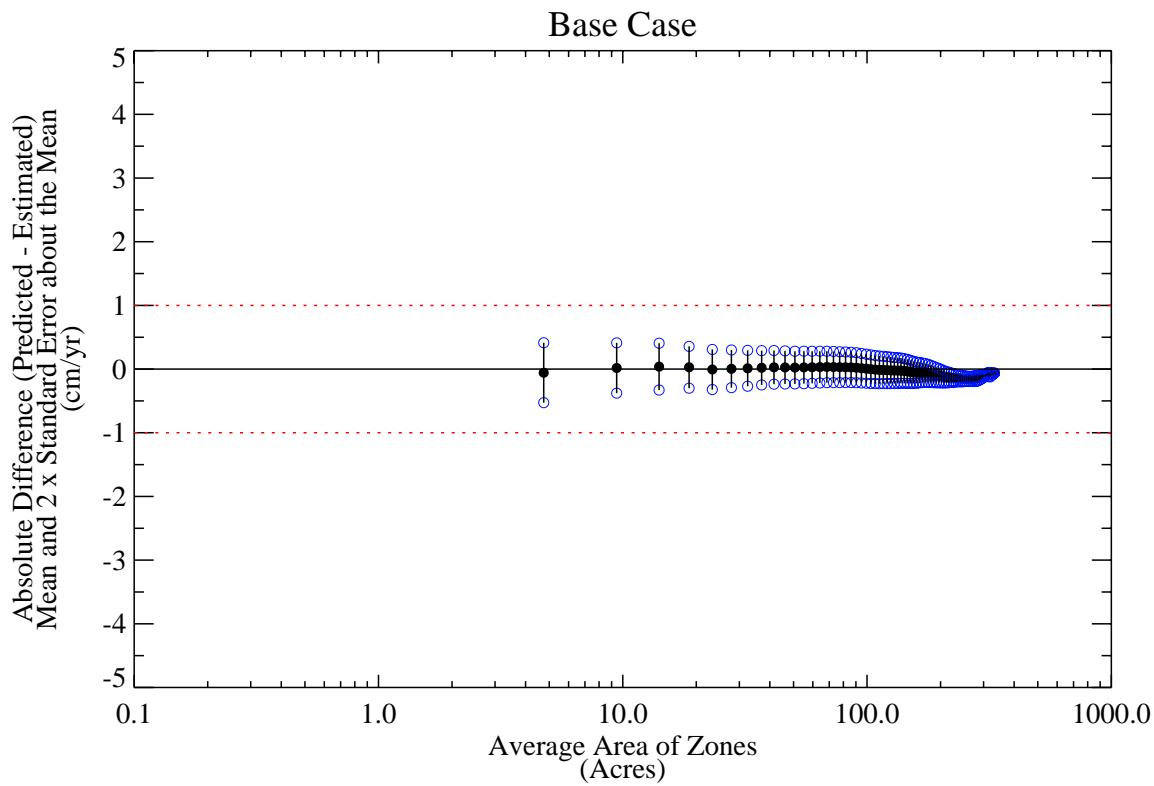


**Figure D-112. Absolute difference in net sedimentation rate for different spatial scale: Run 12, RM 0 to 4, 6-year simulation.**

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 estimated data, 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..

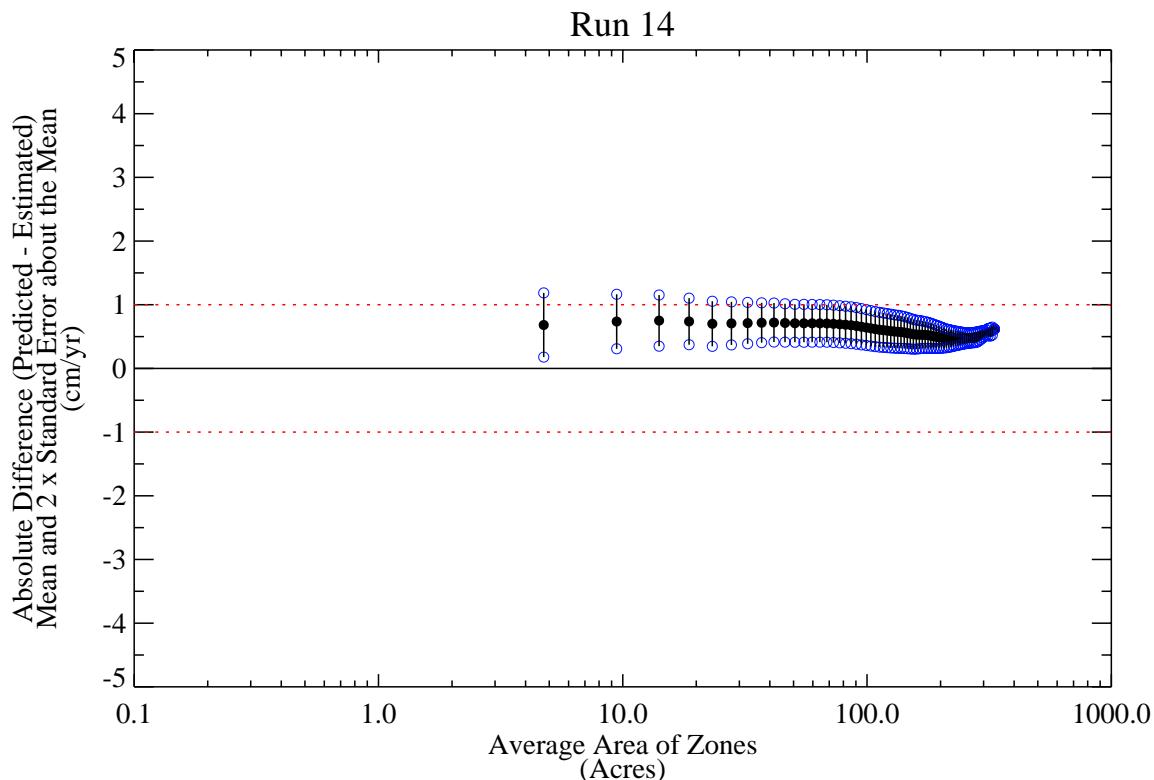
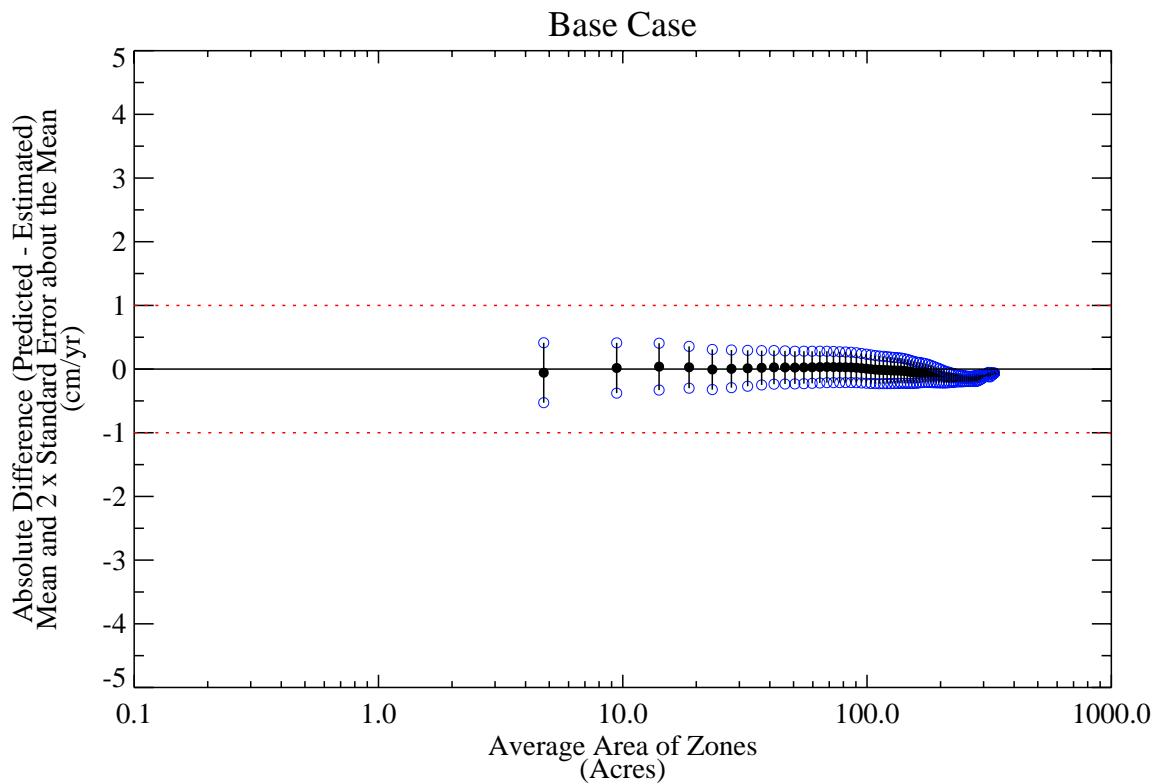


**Figure D-113. Absolute difference in net sedimentation rate for different spatial scale: Run 13, RM 0 to 4, 6-year simulation.**

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 estimated data, 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..

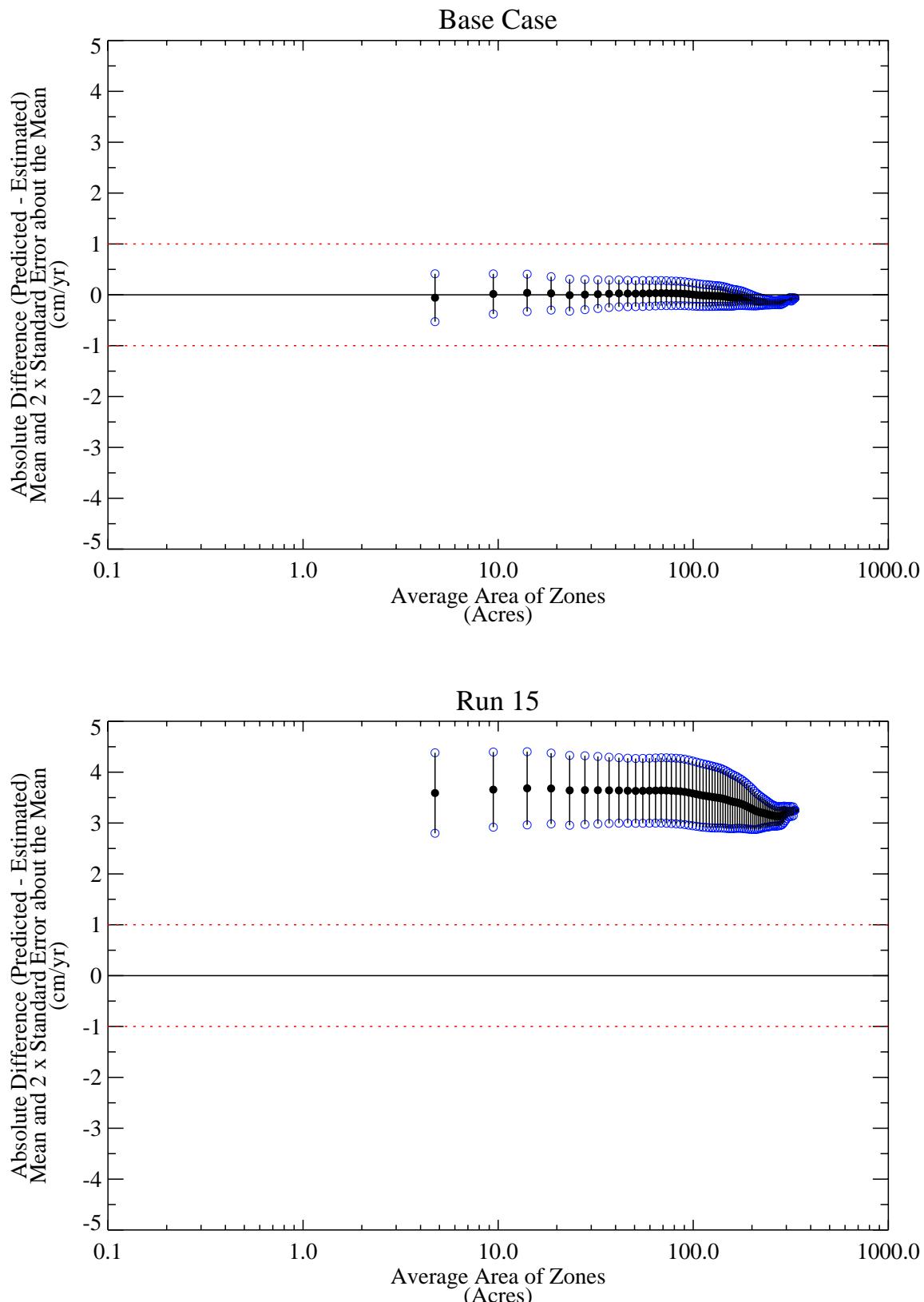


**Figure D-114. Absolute difference in net sedimentation rate for different spatial scale: Run 14, RM 0 to 4, 6-year simulation.**

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 estimated data, 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..

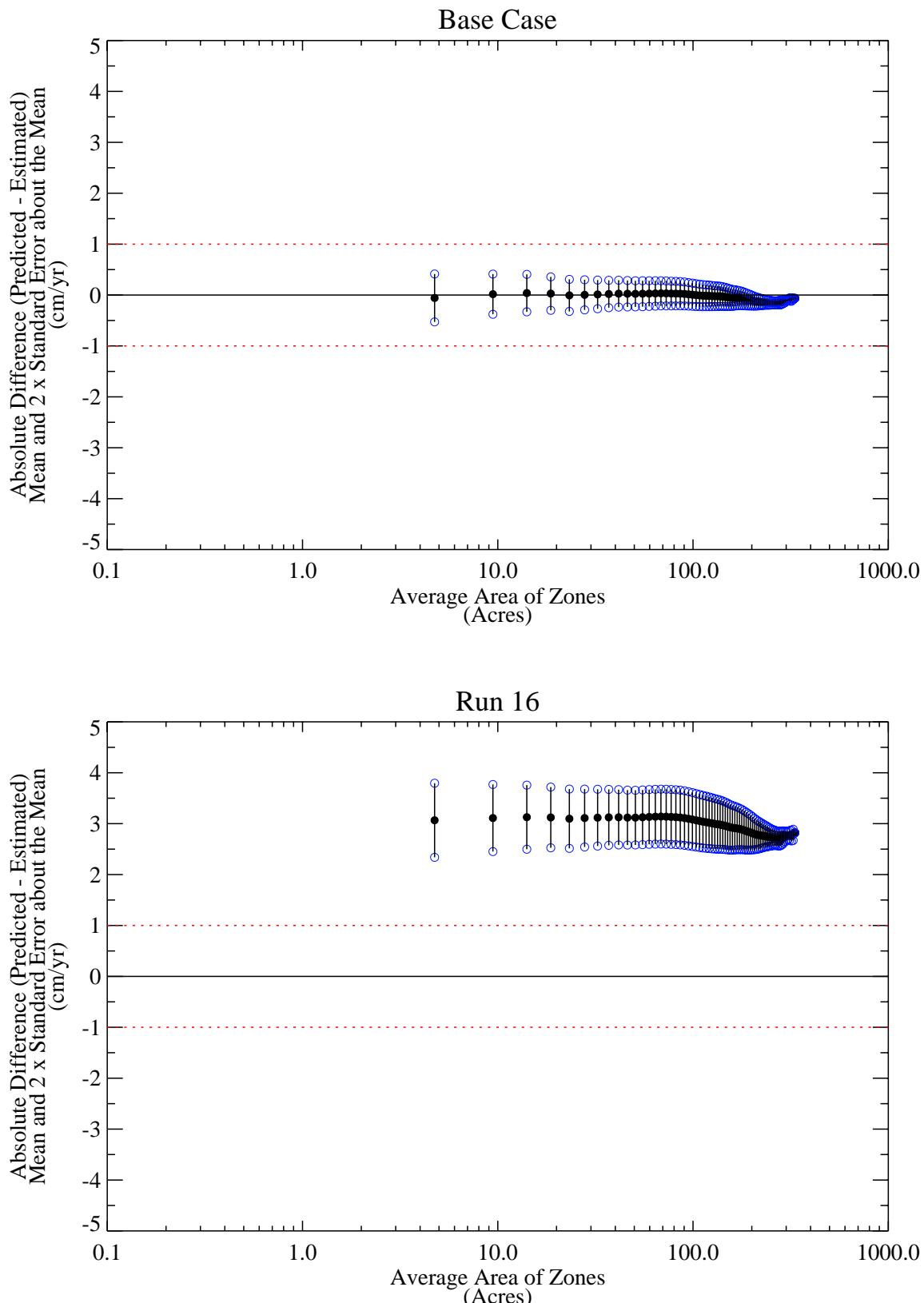


**Figure D-115. Absolute difference in net sedimentation rate for different spatial scale: Run 15, RM 0 to 4, 6-year simulation.**

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 estimated data, 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..

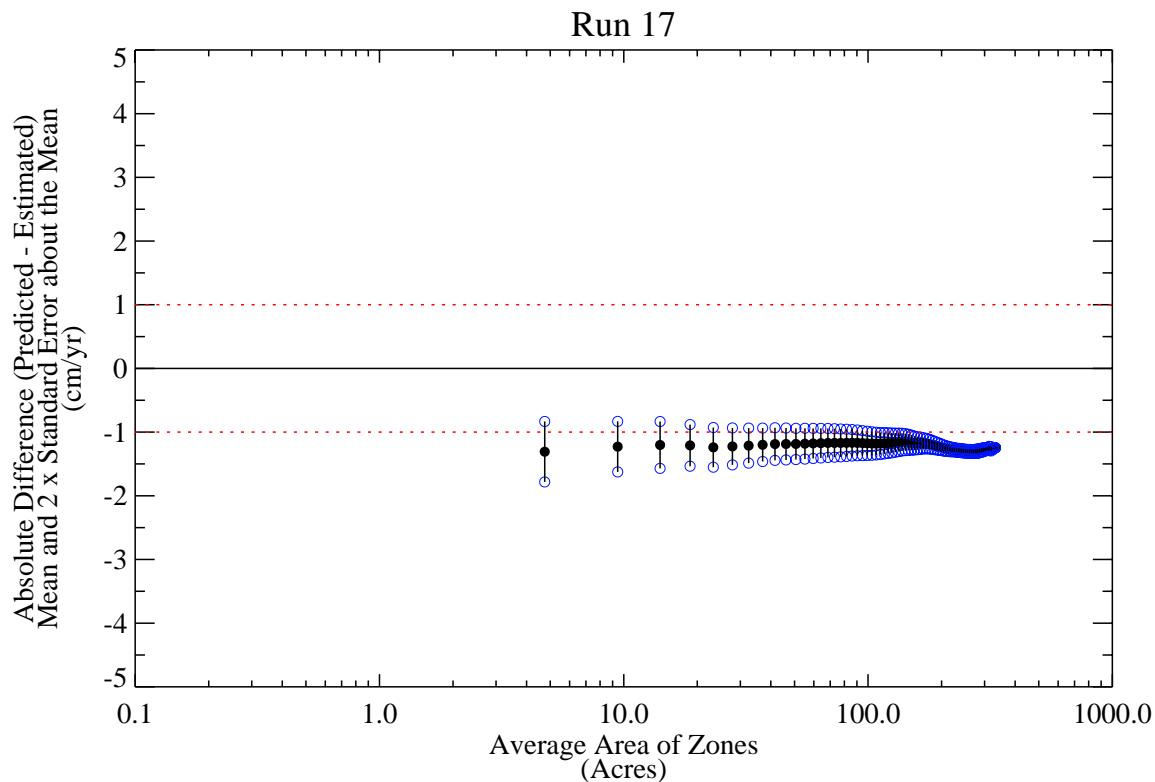
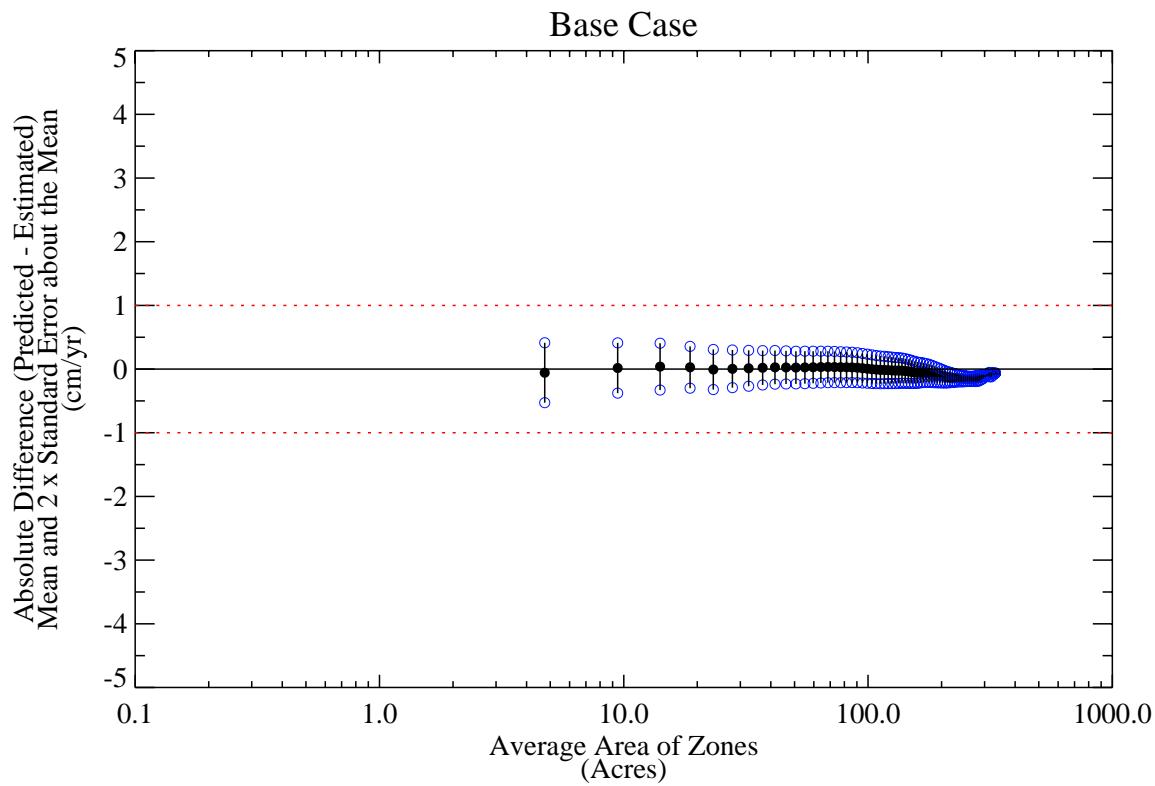


**Figure D-116. Absolute difference in net sedimentation rate for different spatial scale: Run 16, RM 0 to 4, 6-year simulation.**

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 estimated data, 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..

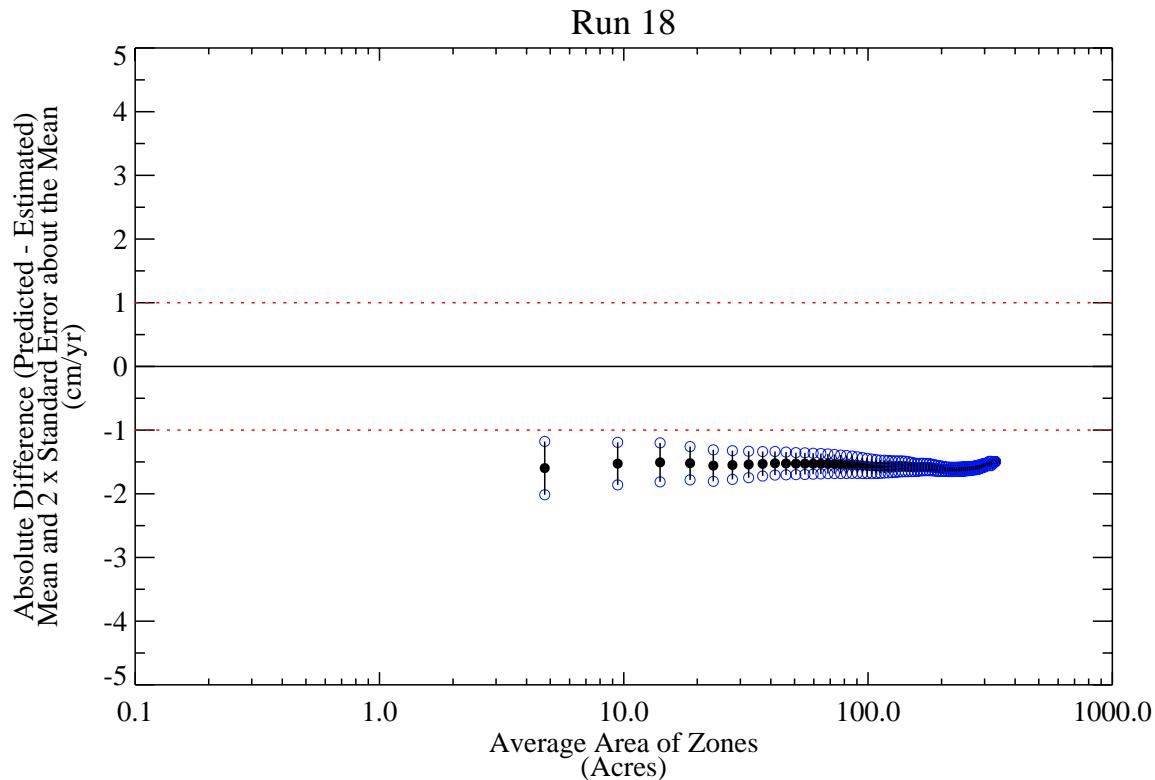
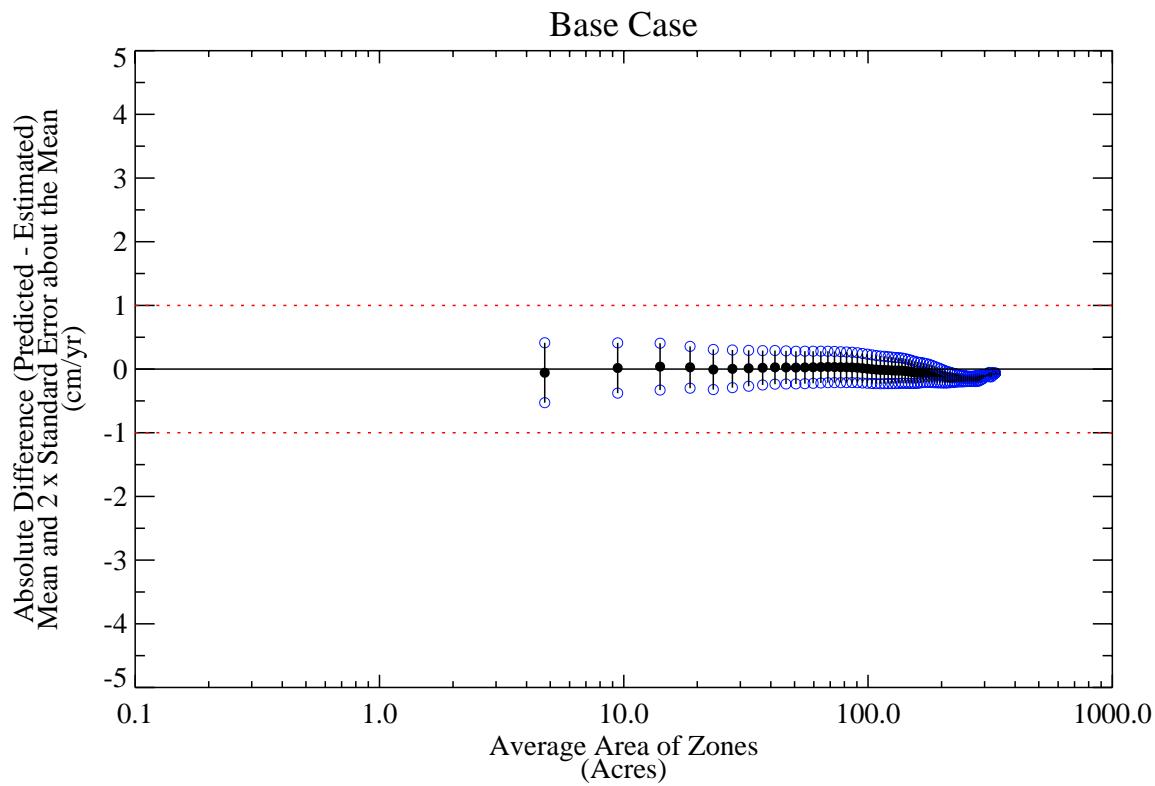


**Figure D-117. Absolute difference in net sedimentation rate for different spatial scale: Run 17, RM 0 to 4, 6-year simulation.**

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 estimated data, 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..

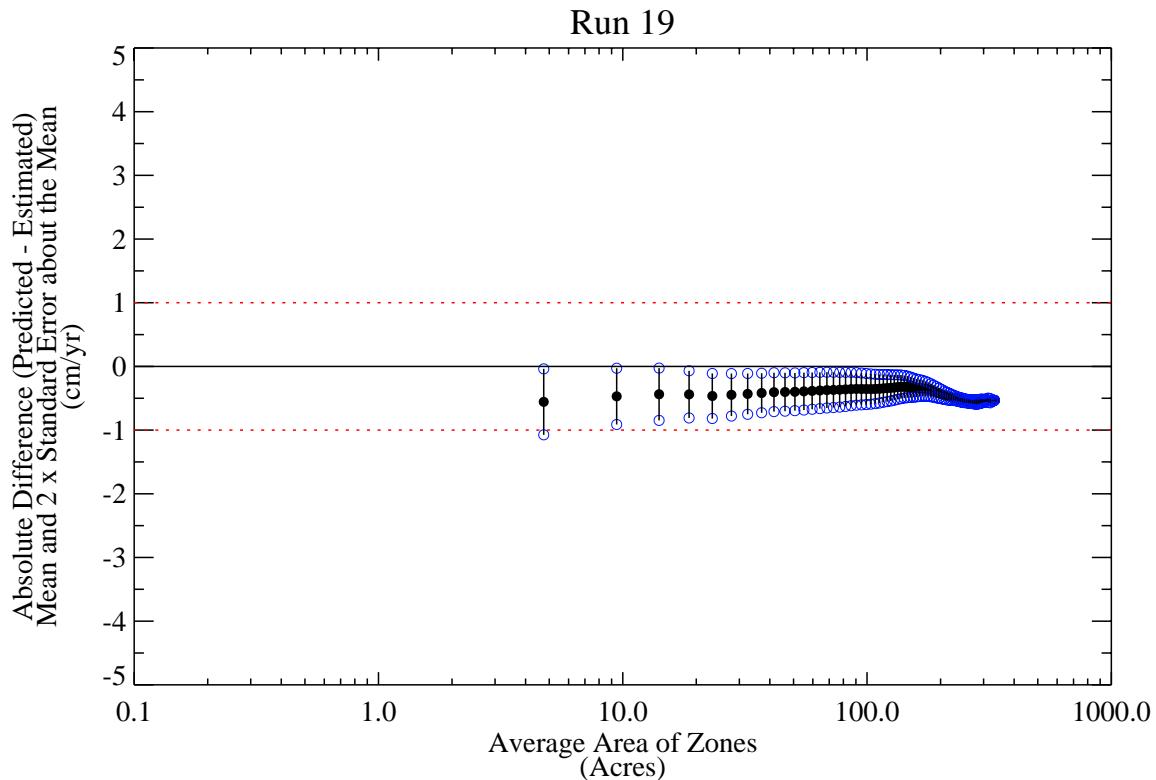
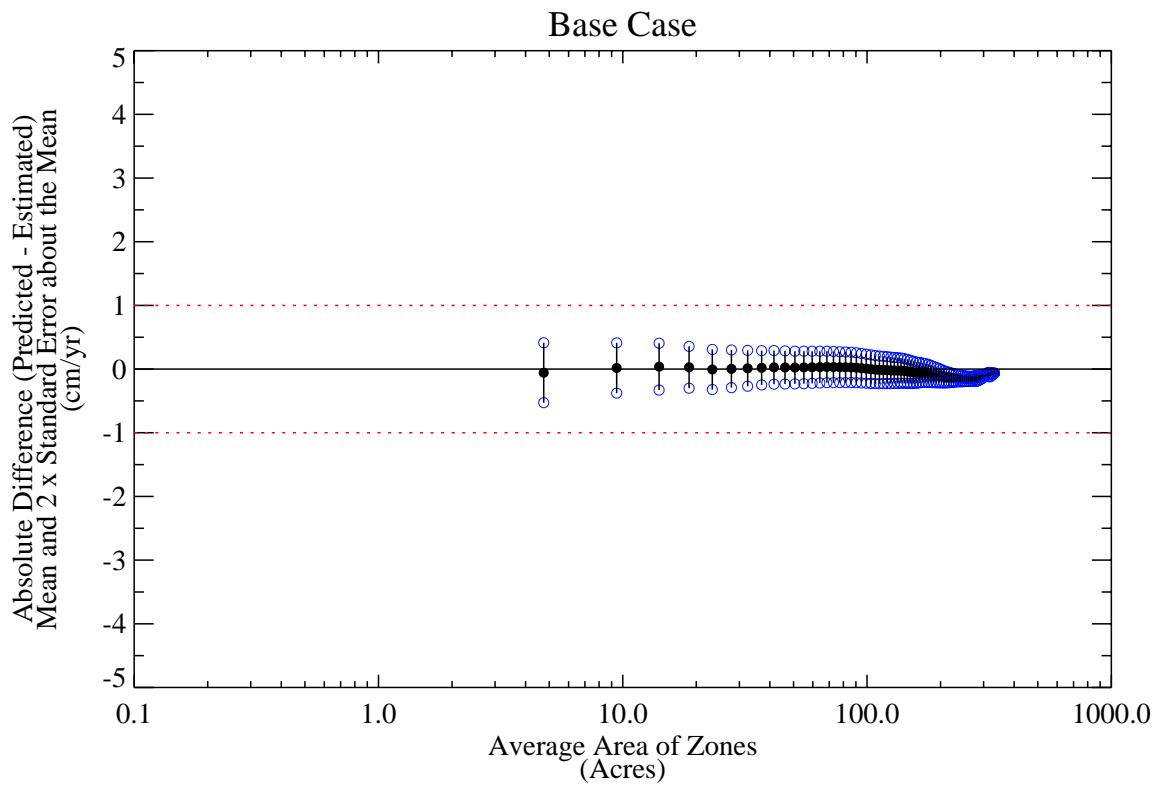


**Figure D-118. Absolute difference in net sedimentation rate for different spatial scale: Run 18, RM 0 to 4, 6-year simulation.**

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 estimated data, 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..

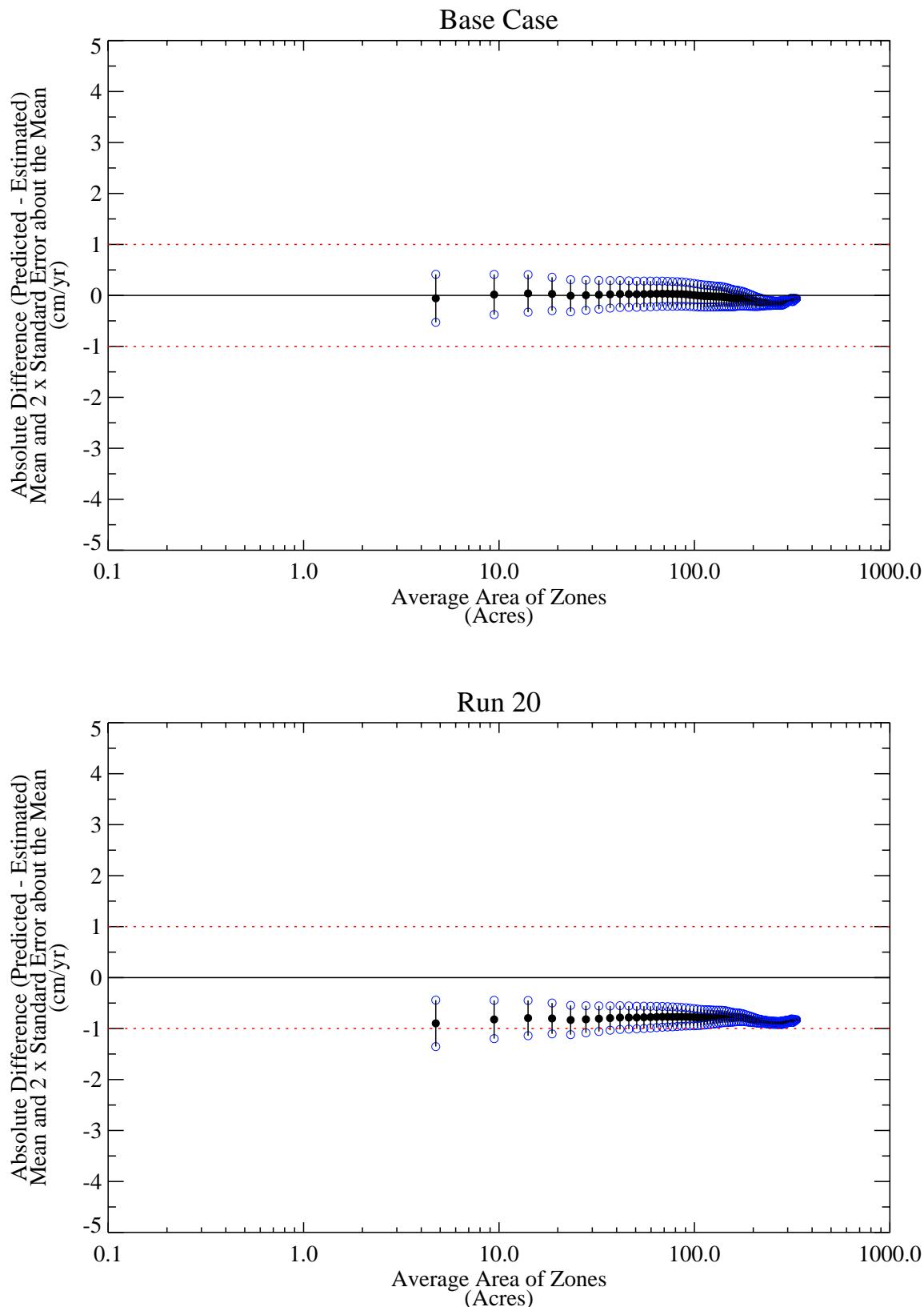


**Figure D-119. Absolute difference in net sedimentation rate for different spatial scale: Run 19, RM 0 to 4, 6-year simulation.**

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 estimated data, 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..

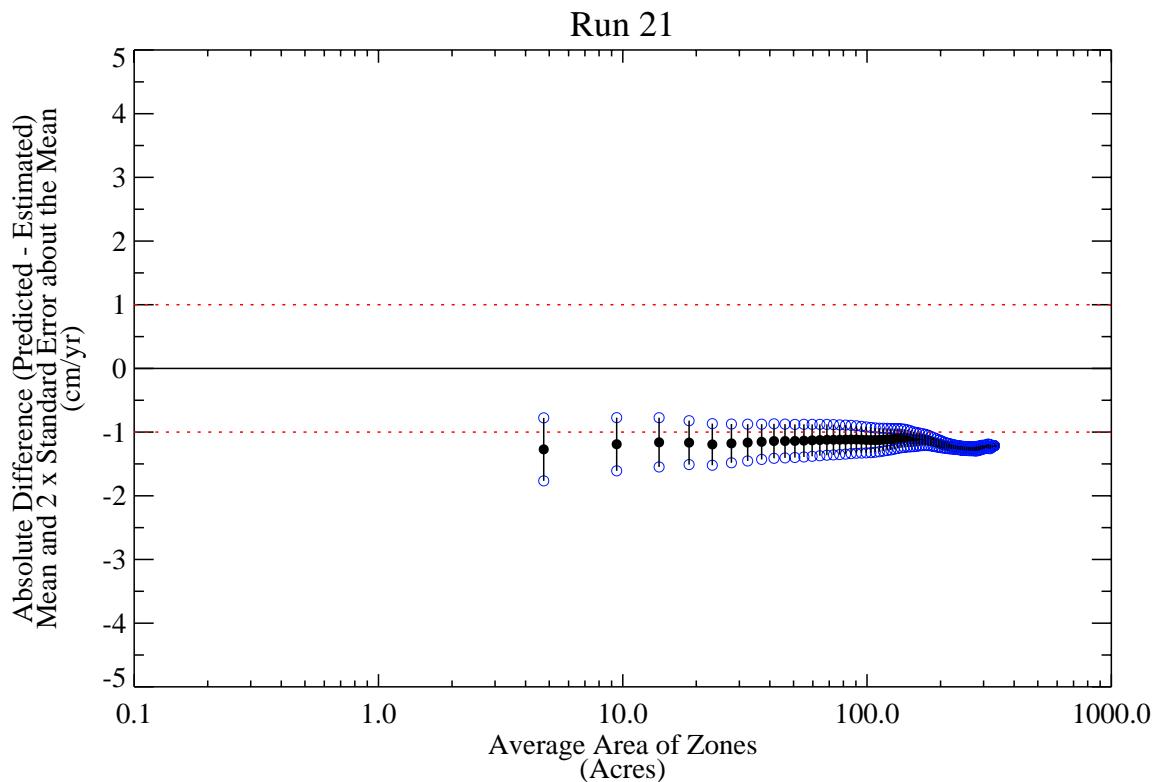
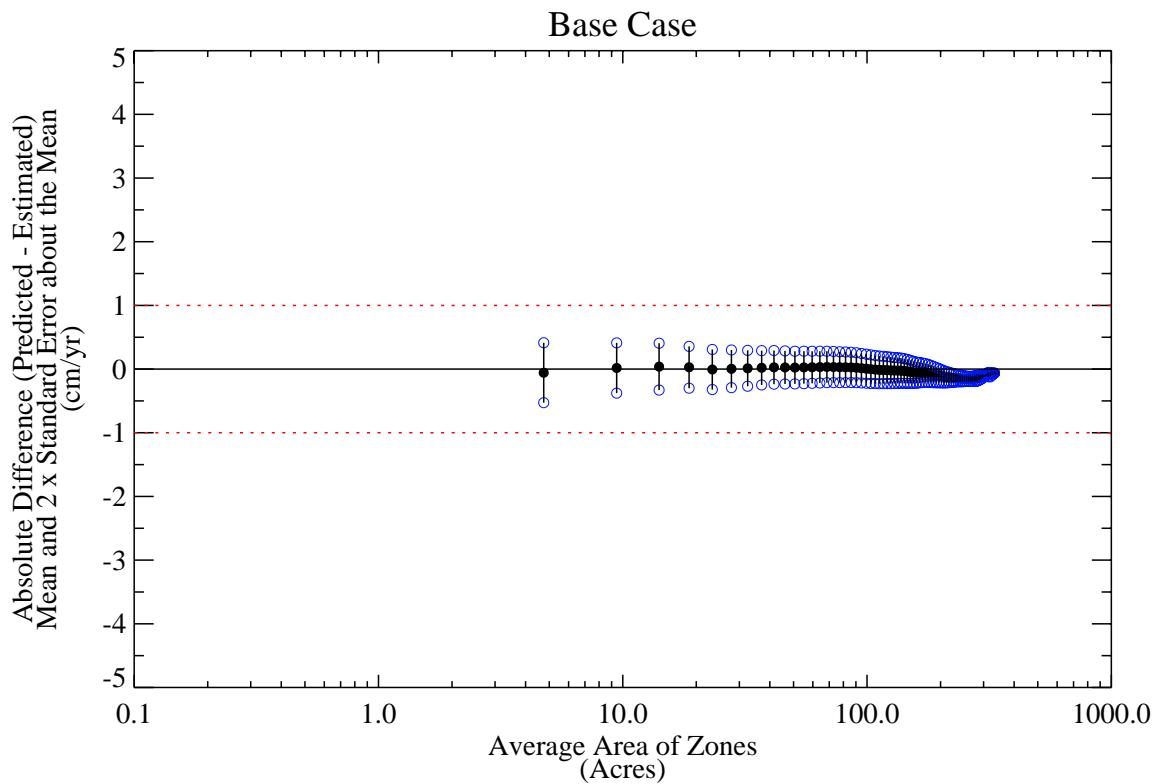


**Figure D-120. Absolute difference in net sedimentation rate for different spatial scale: Run 20, RM 0 to 4, 6-year simulation.**

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 estimated data, 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..

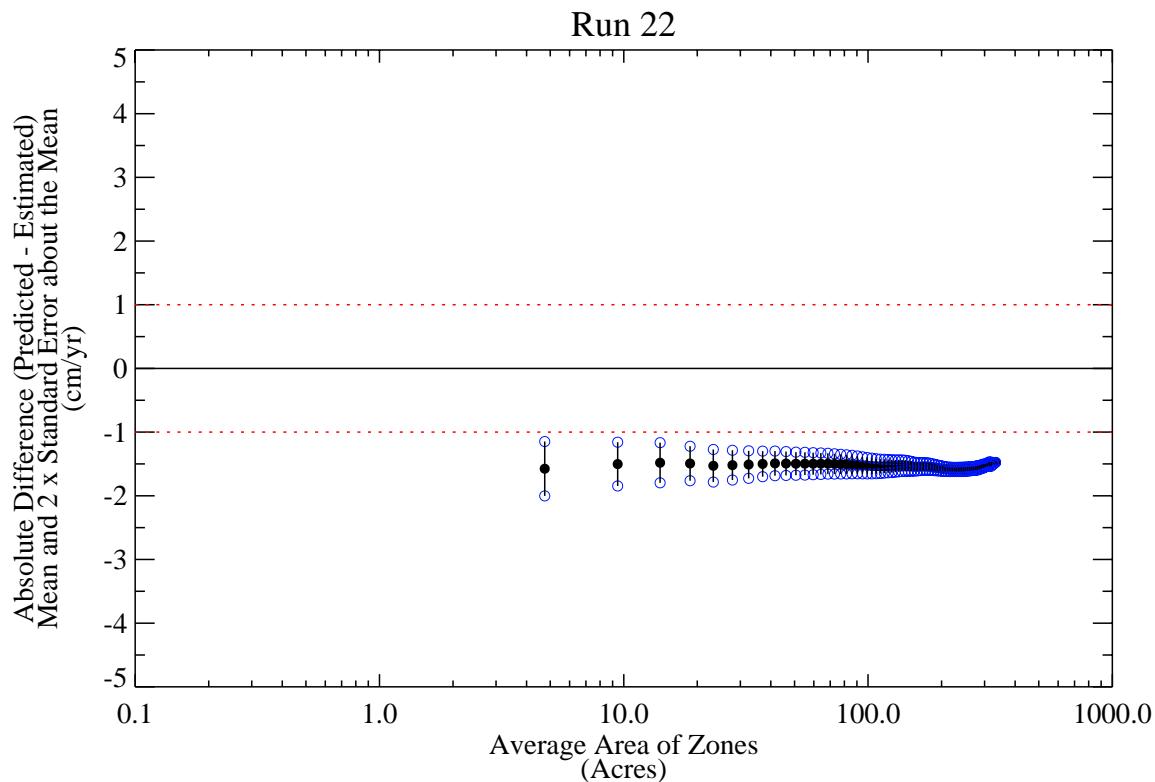
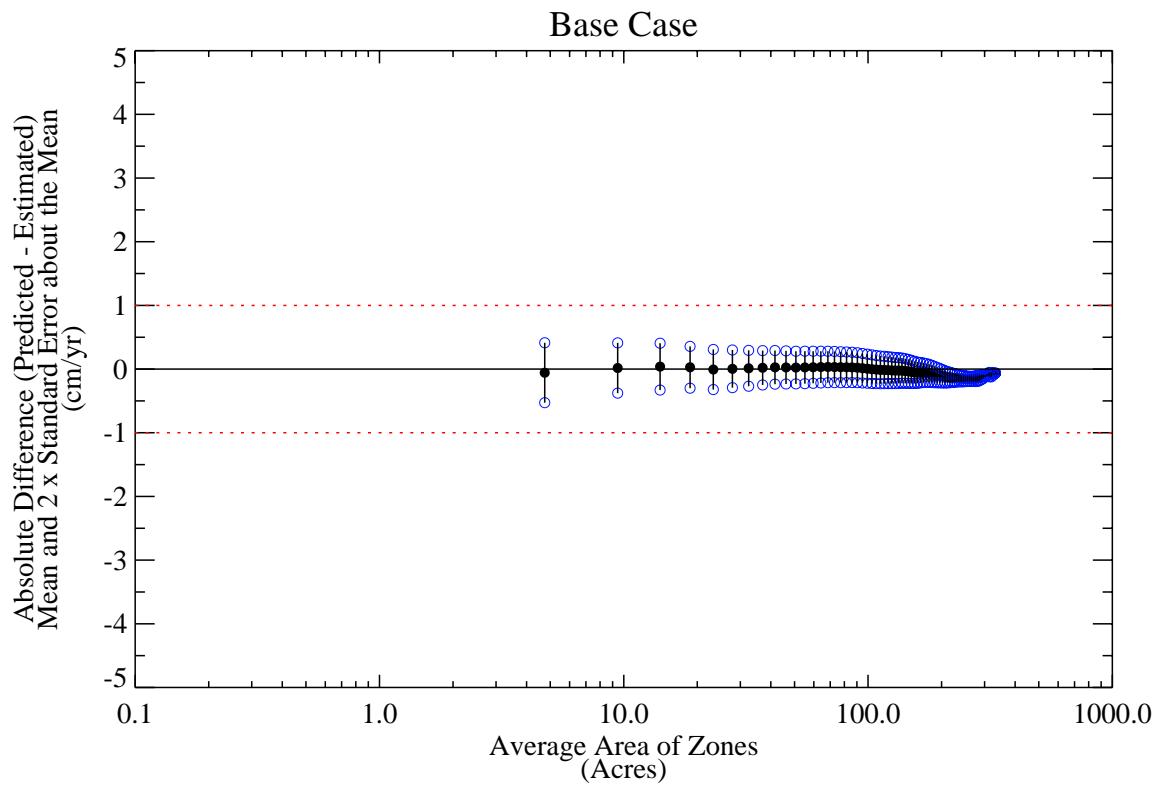


**Figure D-121. Absolute difference in net sedimentation rate for different spatial scale: Run 21, RM 0 to 4, 6-year simulation.**

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 estimated data, 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..

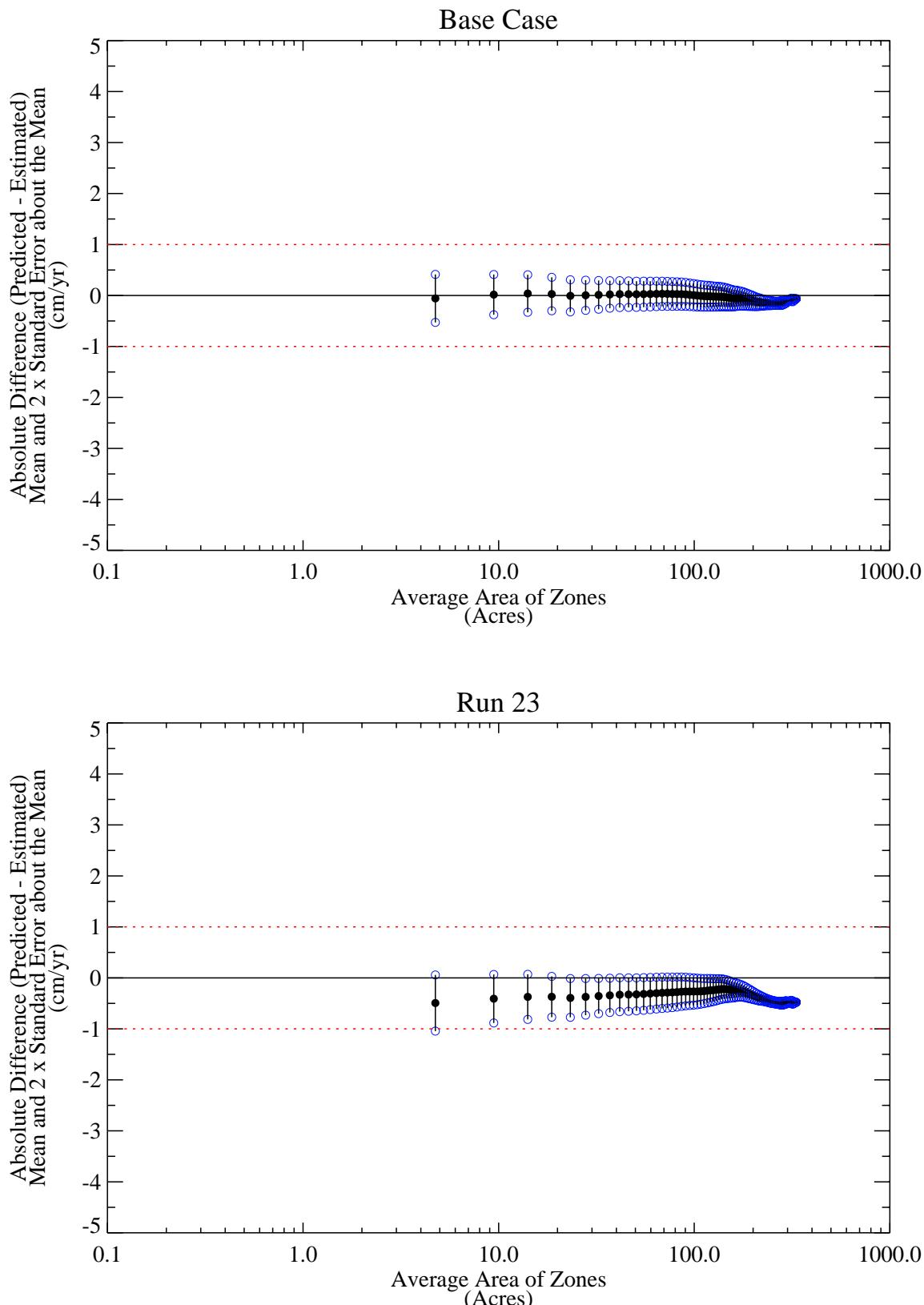


**Figure D-122. Absolute difference in net sedimentation rate for different spatial scale: Run 22, RM 0 to 4, 6-year simulation.**

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 estimated data, 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..

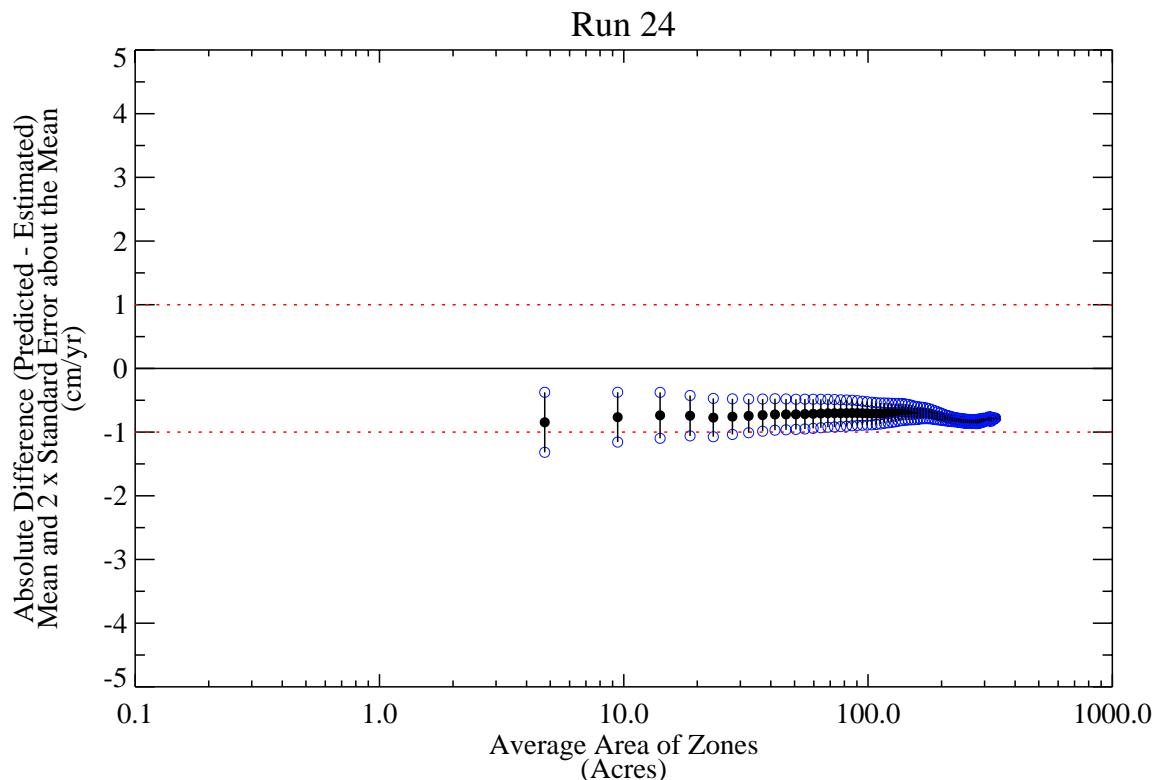
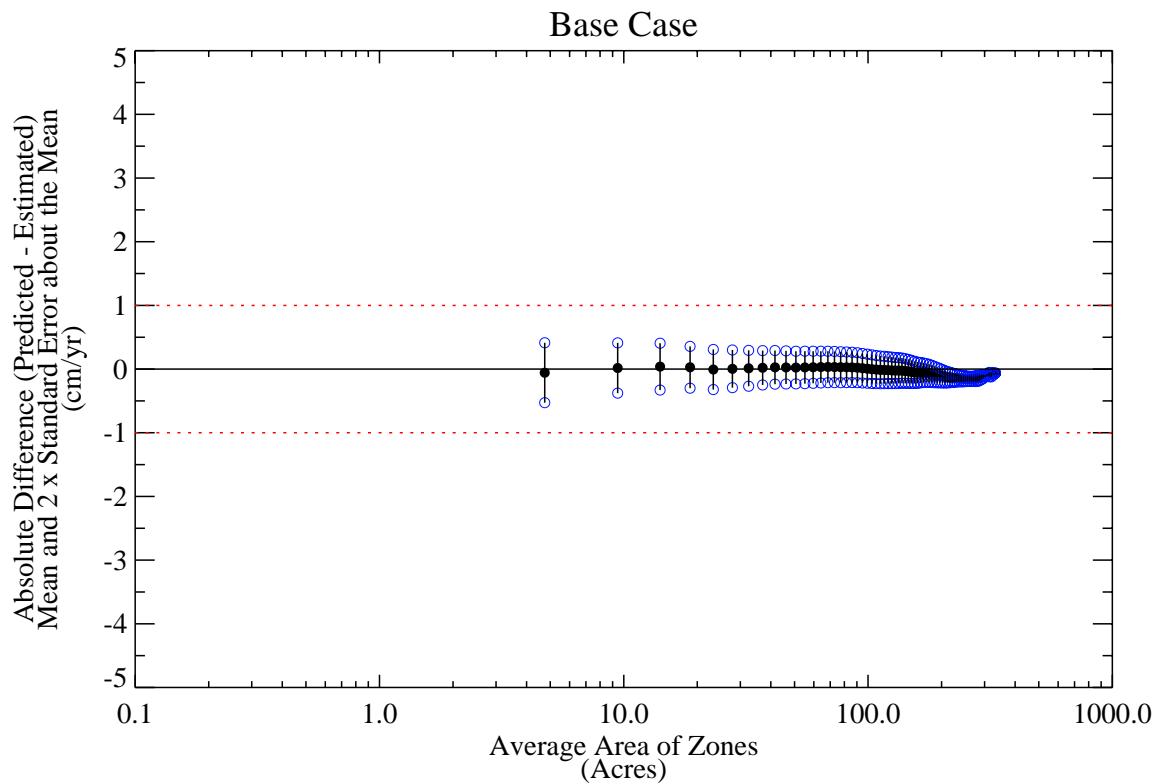


**Figure D-123. Absolute difference in net sedimentation rate for different spatial scale: Run 23, RM 0 to 4, 6-year simulation.**

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 estimated data, 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..

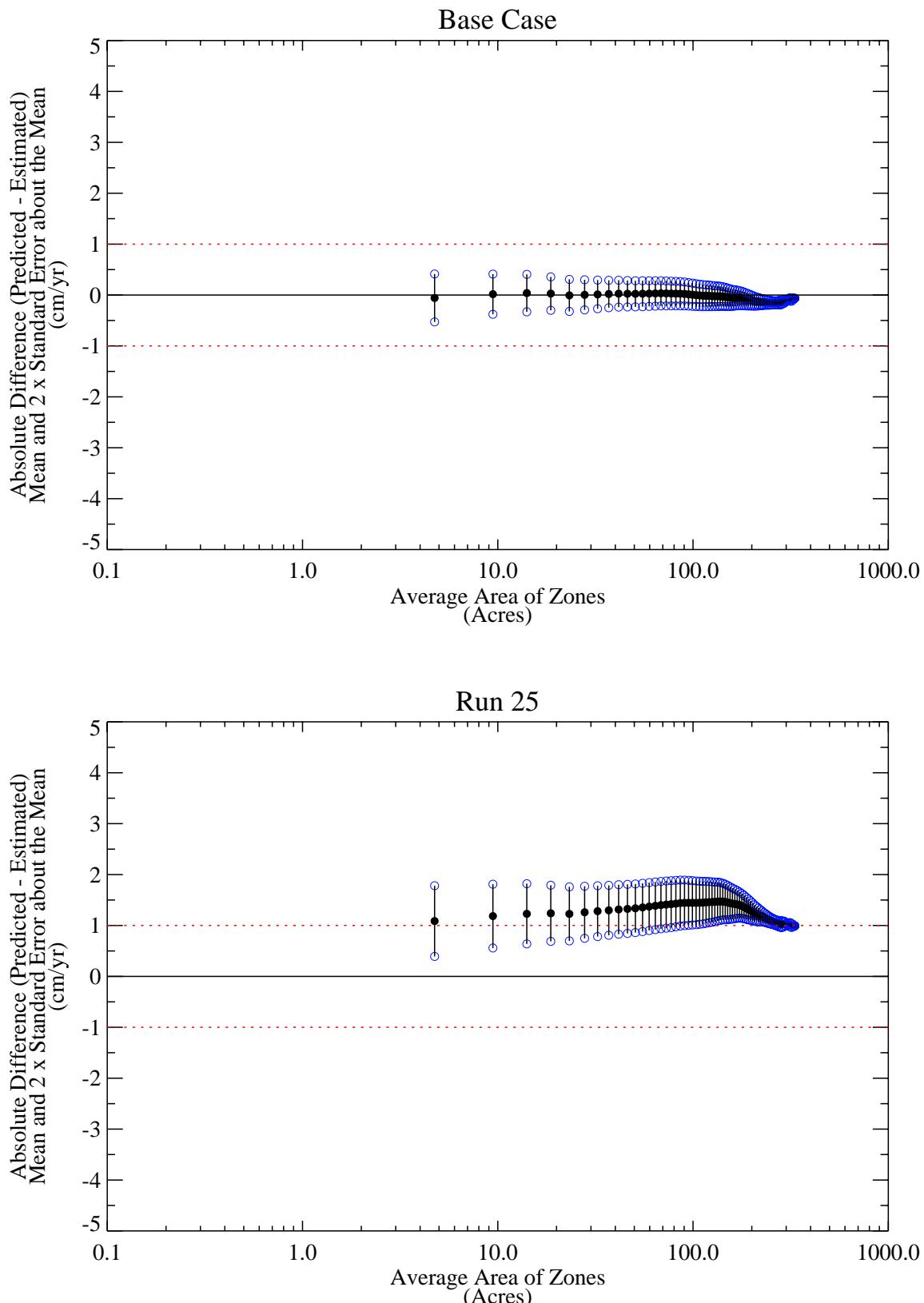


**Figure D-124. Absolute difference in net sedimentation rate for different spatial scale: Run 24, RM 0 to 4, 6-year simulation.**

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 estimated data, 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..

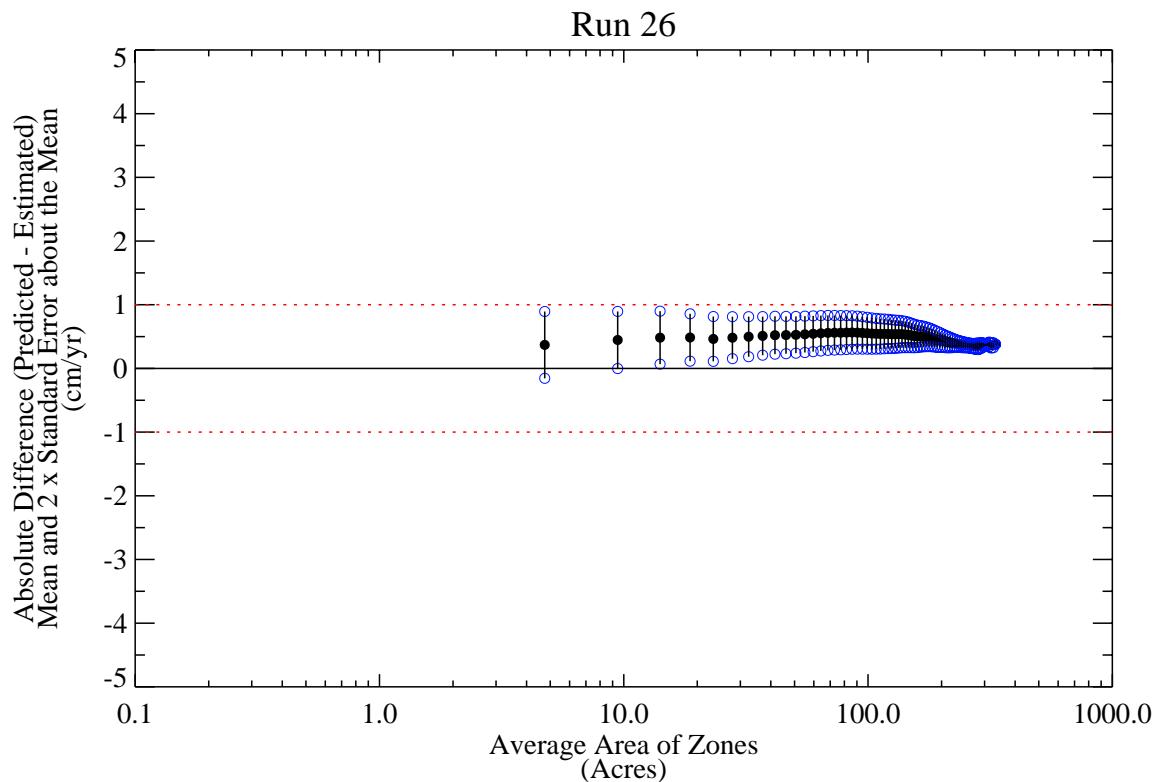
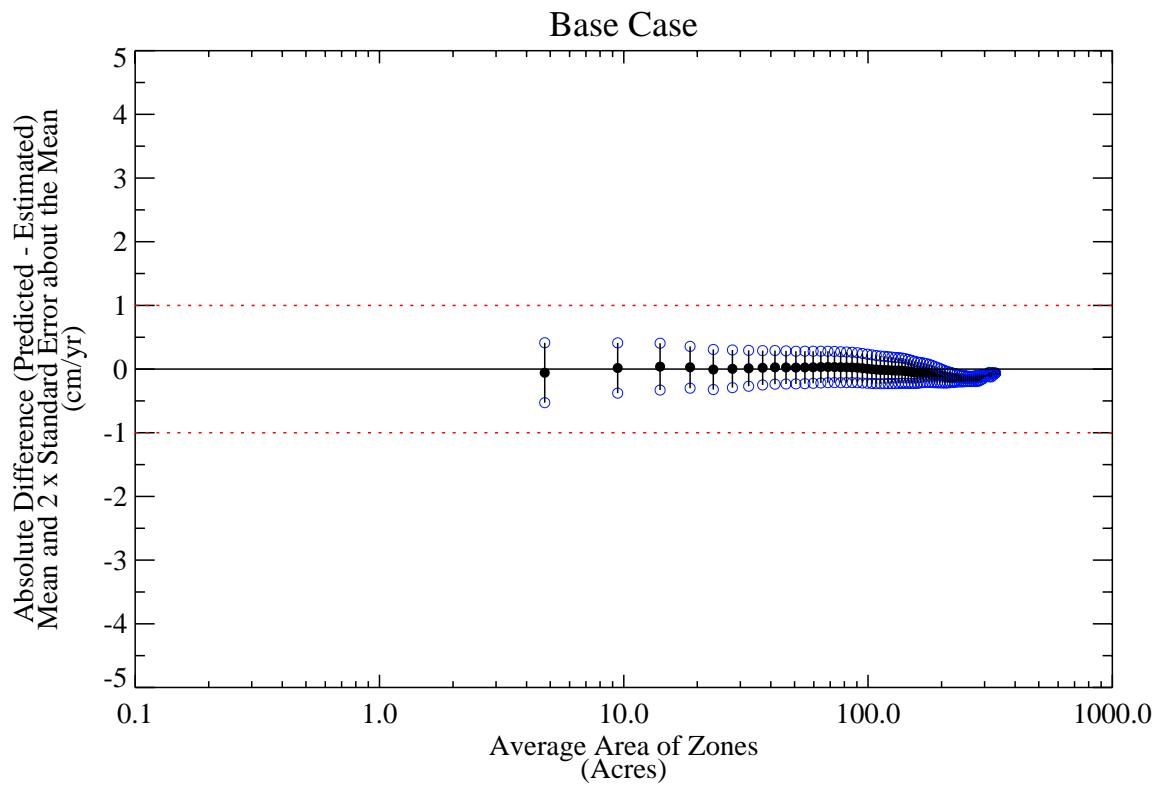


**Figure D-125. Absolute difference in net sedimentation rate for different spatial scale: Run 25, RM 0 to 4, 6-year simulation.**

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 estimated data, 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..

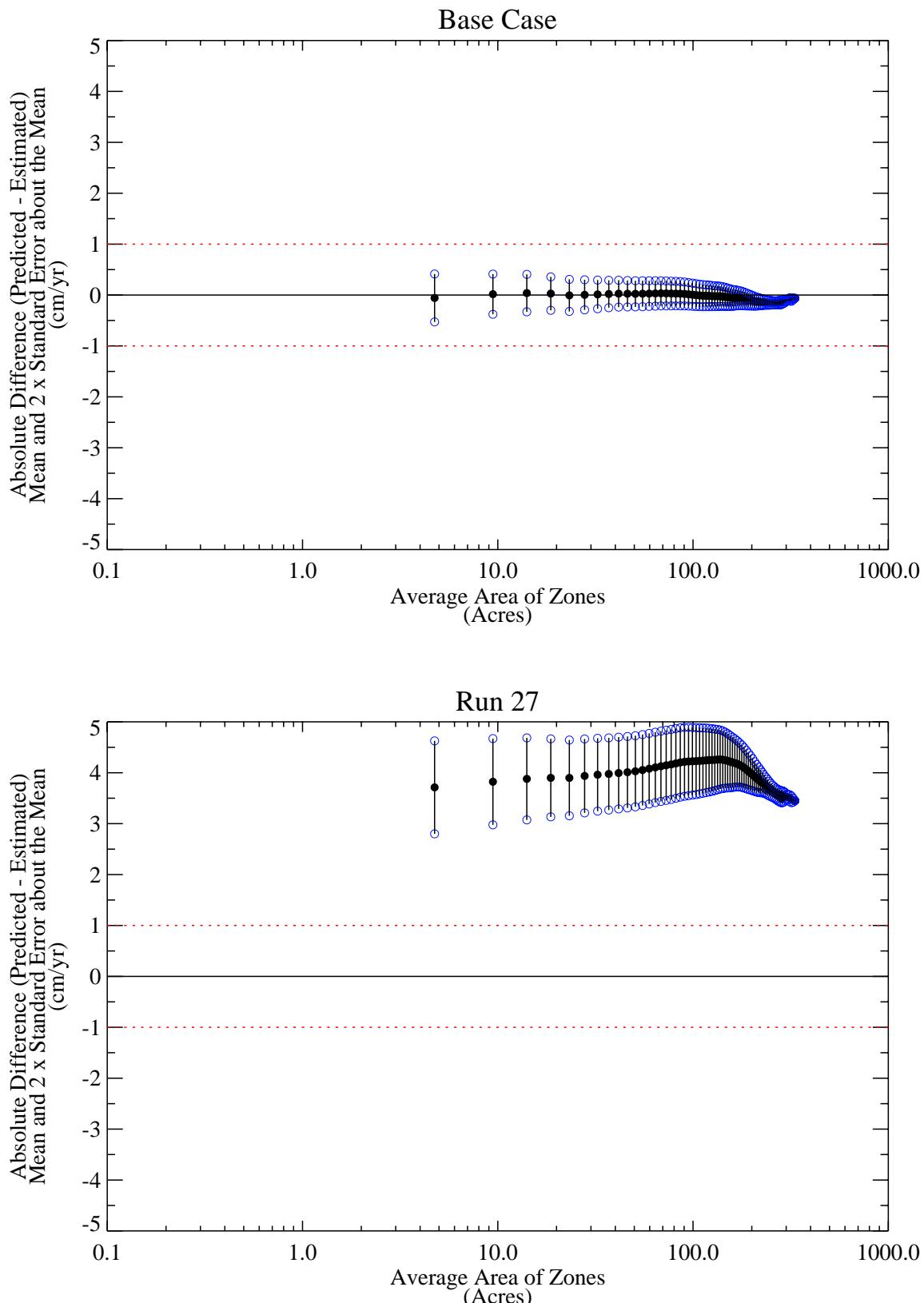


**Figure D-126. Absolute difference in net sedimentation rate for different spatial scale: Run 26, RM 0 to 4, 6-year simulation.**

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 estimated data, 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..

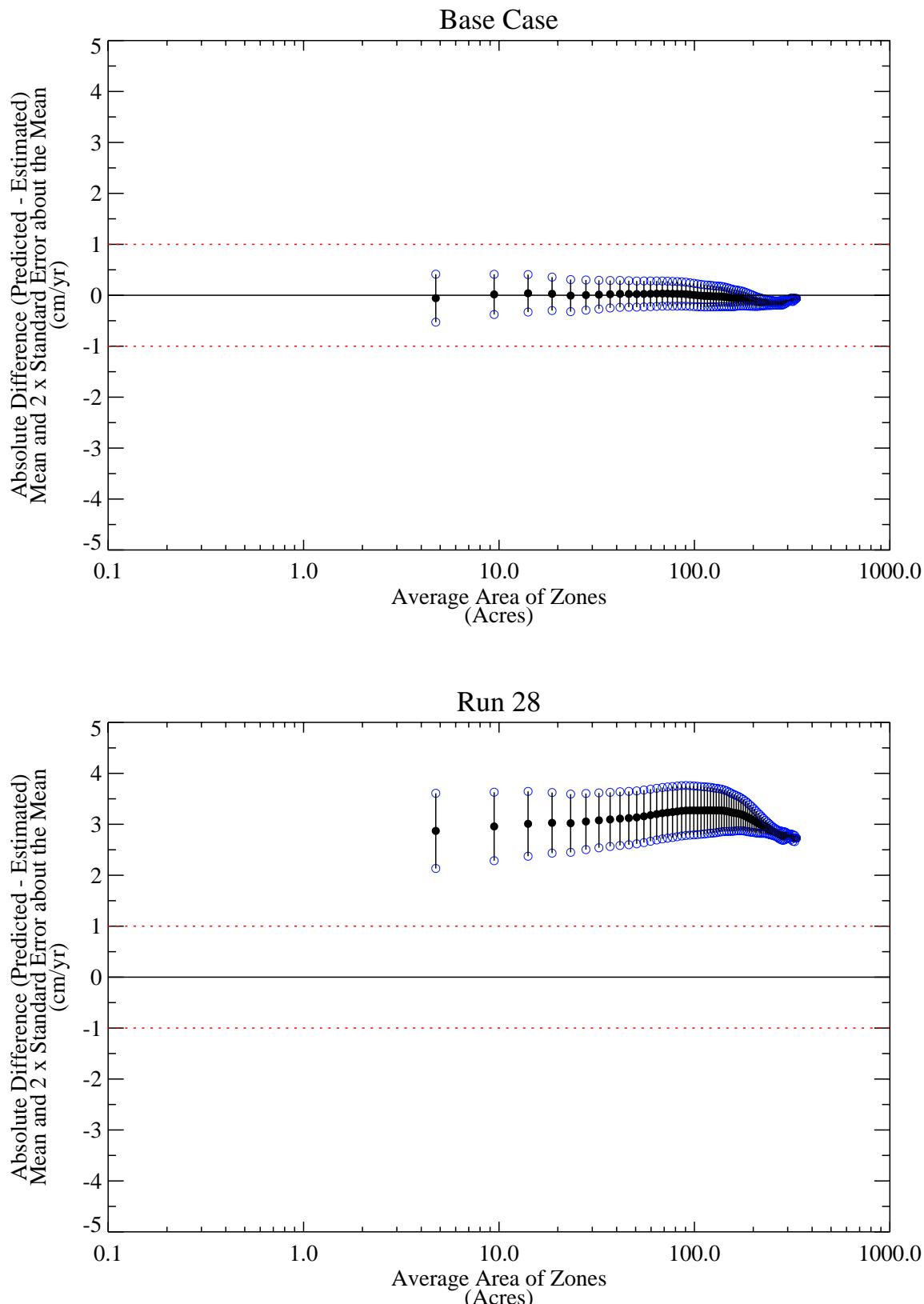


**Figure D-127. Absolute difference in net sedimentation rate for different spatial scale: Run 27, RM 0 to 4, 6-year simulation.**

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 estimated data, 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..

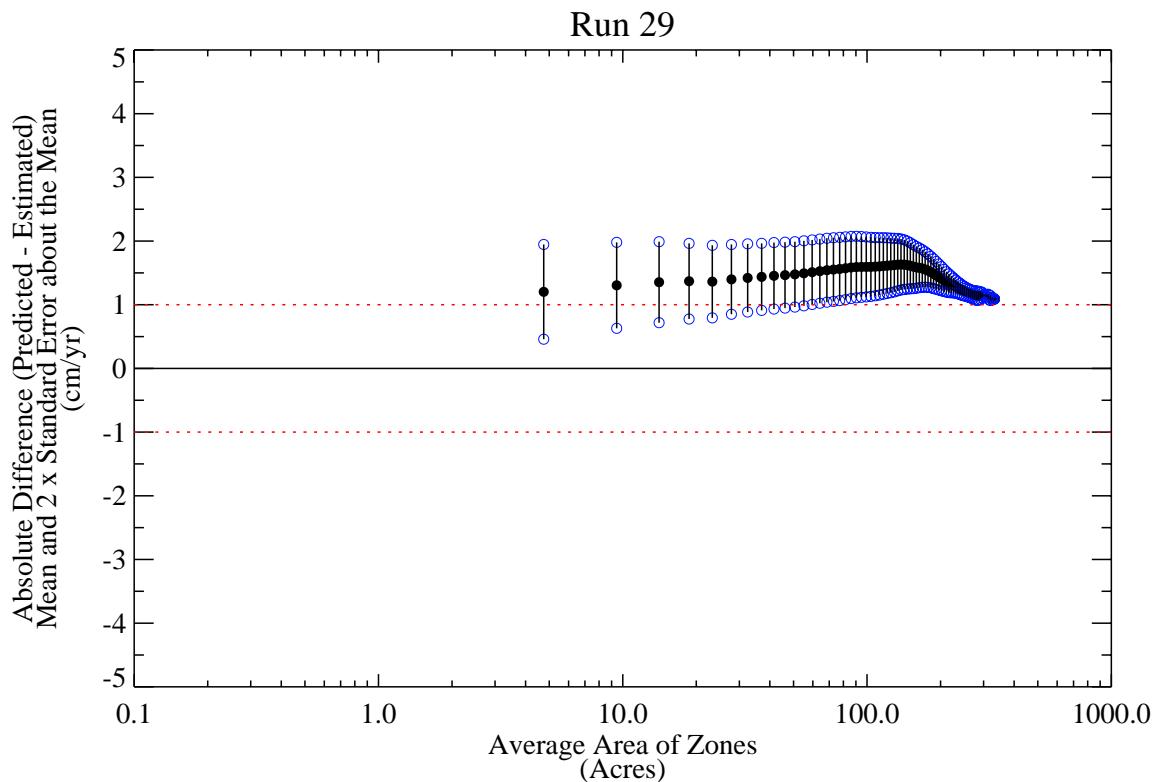
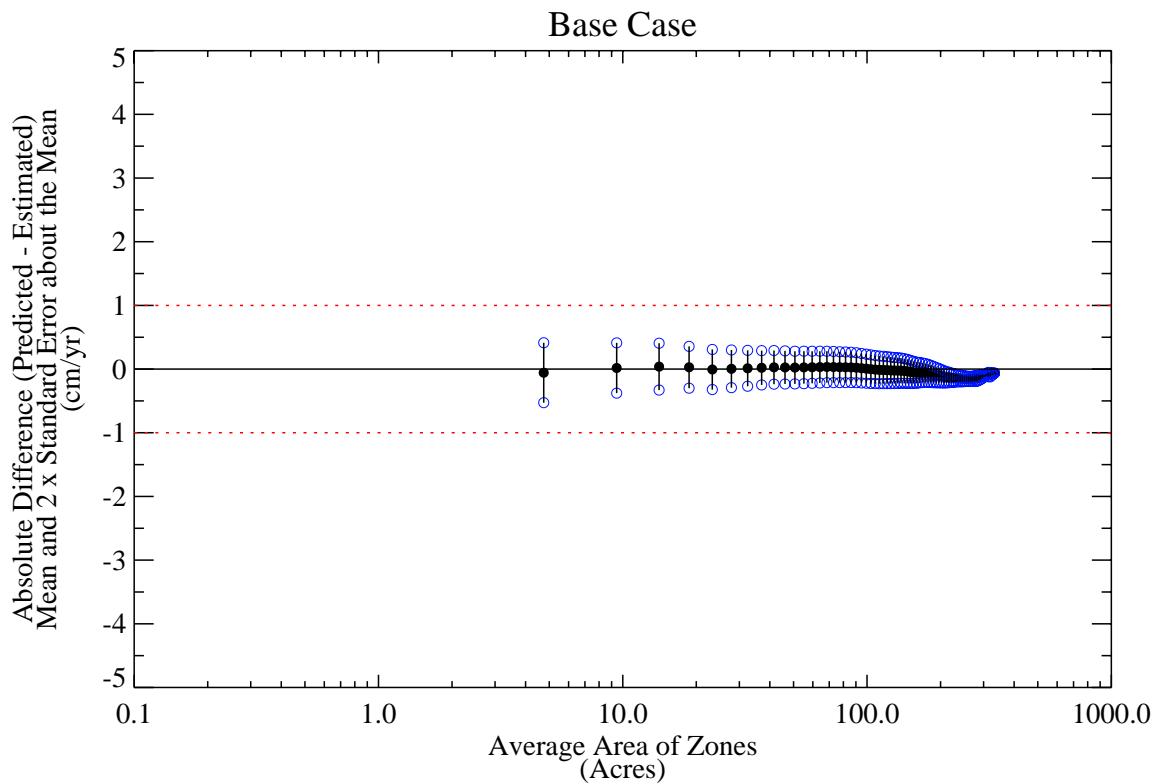


**Figure D-128. Absolute difference in net sedimentation rate for different spatial scale: Run 28, RM 0 to 4, 6-year simulation.**

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 estimated data, 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..

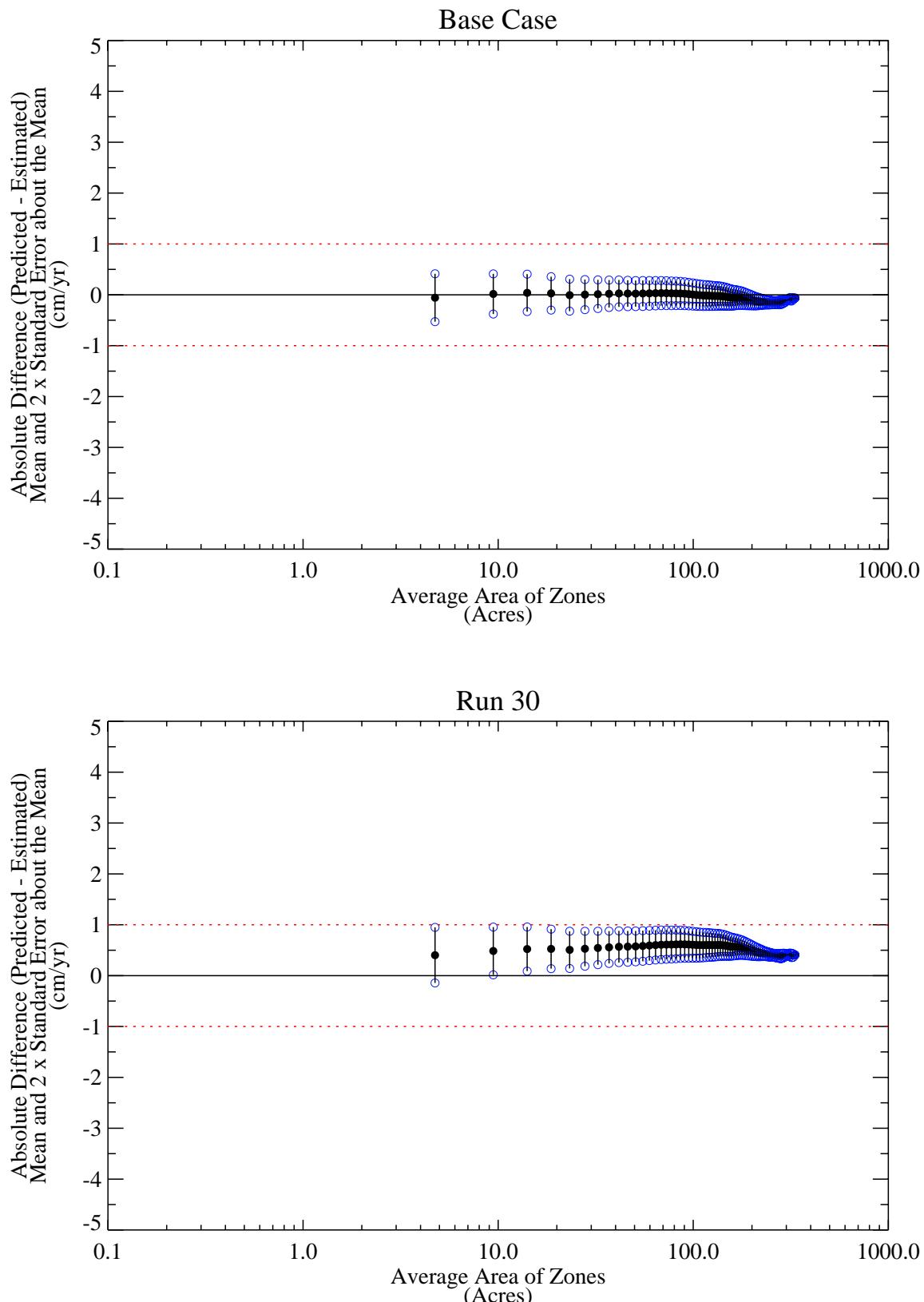


**Figure D-129. Absolute difference in net sedimentation rate for different spatial scale: Run 29, RM 0 to 4, 6-year simulation.**

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 estimated data, 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..

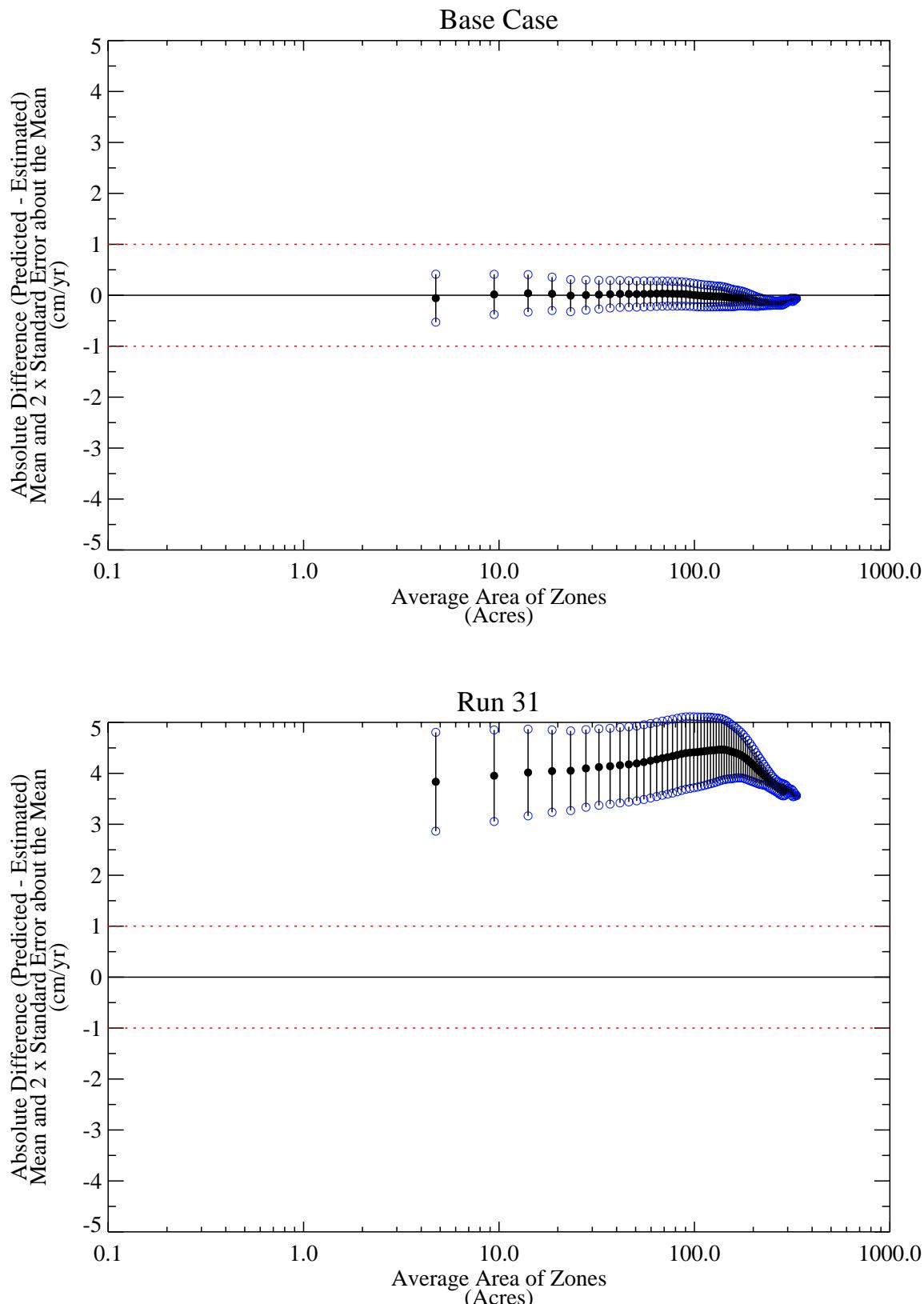


**Figure D-130. Absolute difference in net sedimentation rate for different spatial scale: Run 30, RM 0 to 4, 6-year simulation.**

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 estimated data, 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..

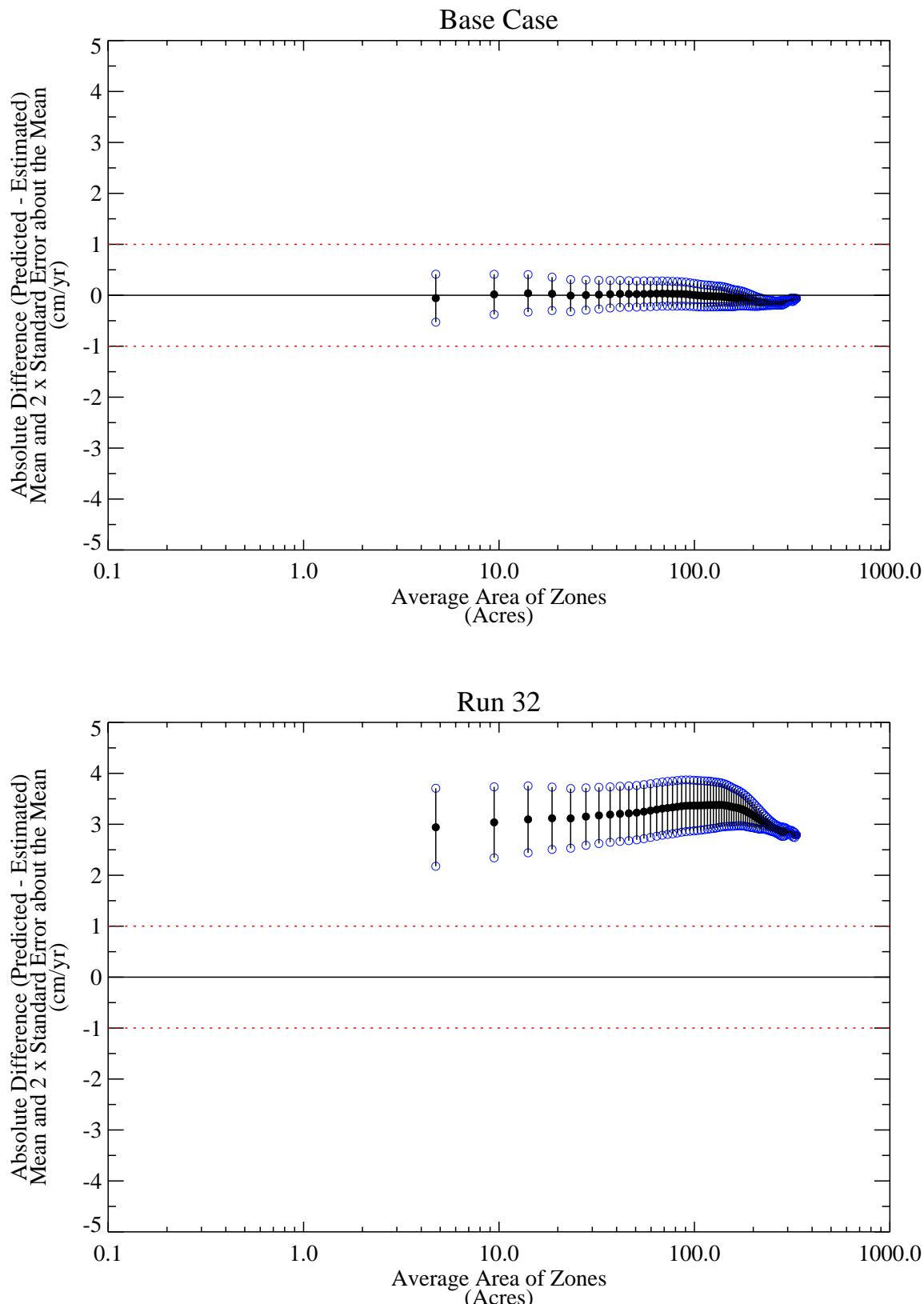


**Figure D-131. Absolute difference in net sedimentation rate for different spatial scale: Run 31, RM 0 to 4, 6-year simulation.**

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 estimated data, 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..

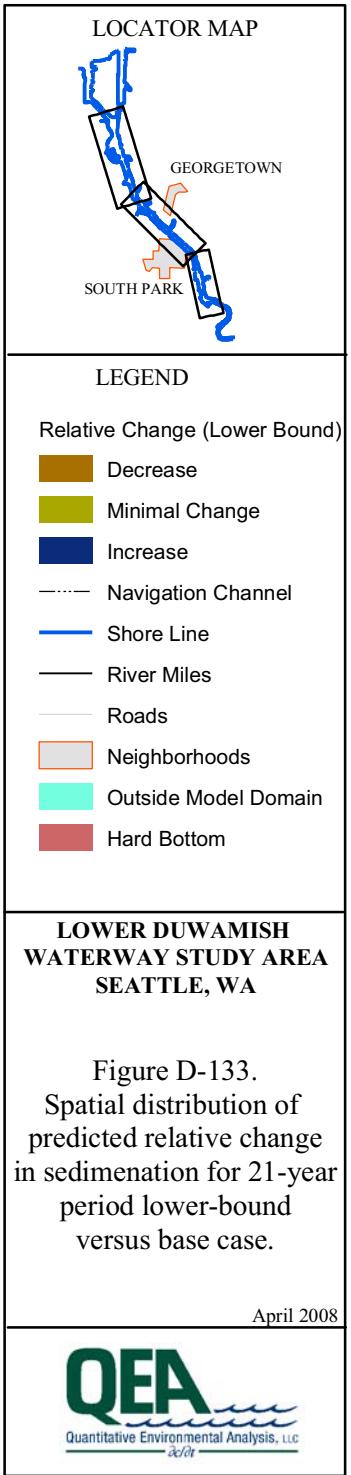
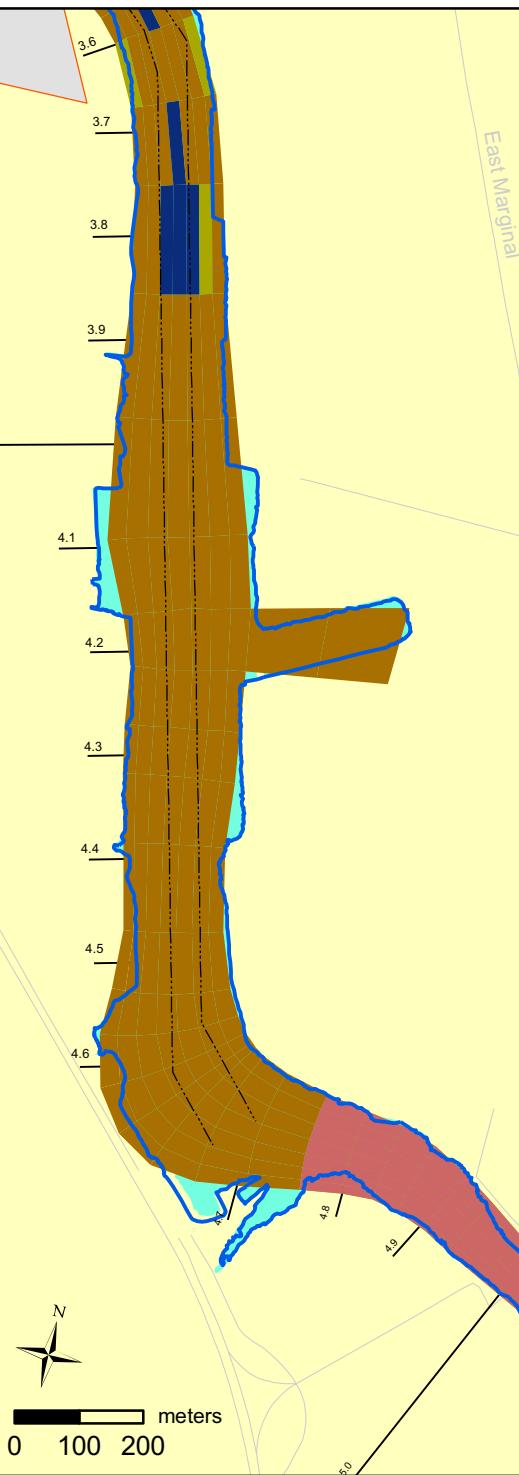
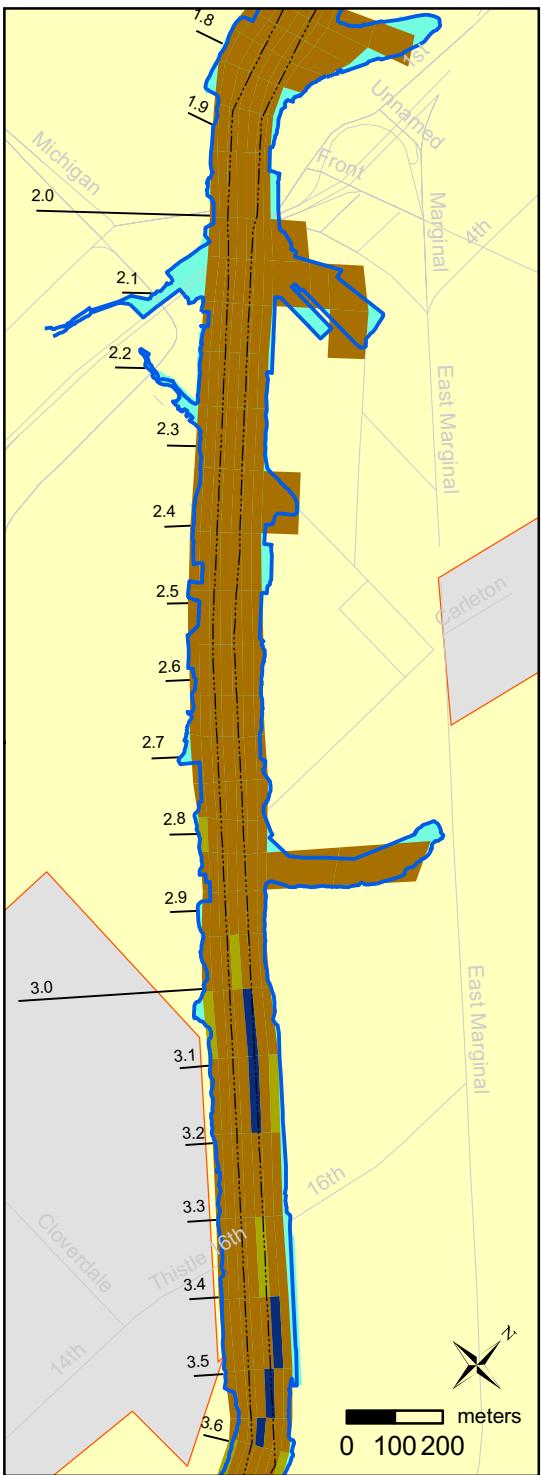
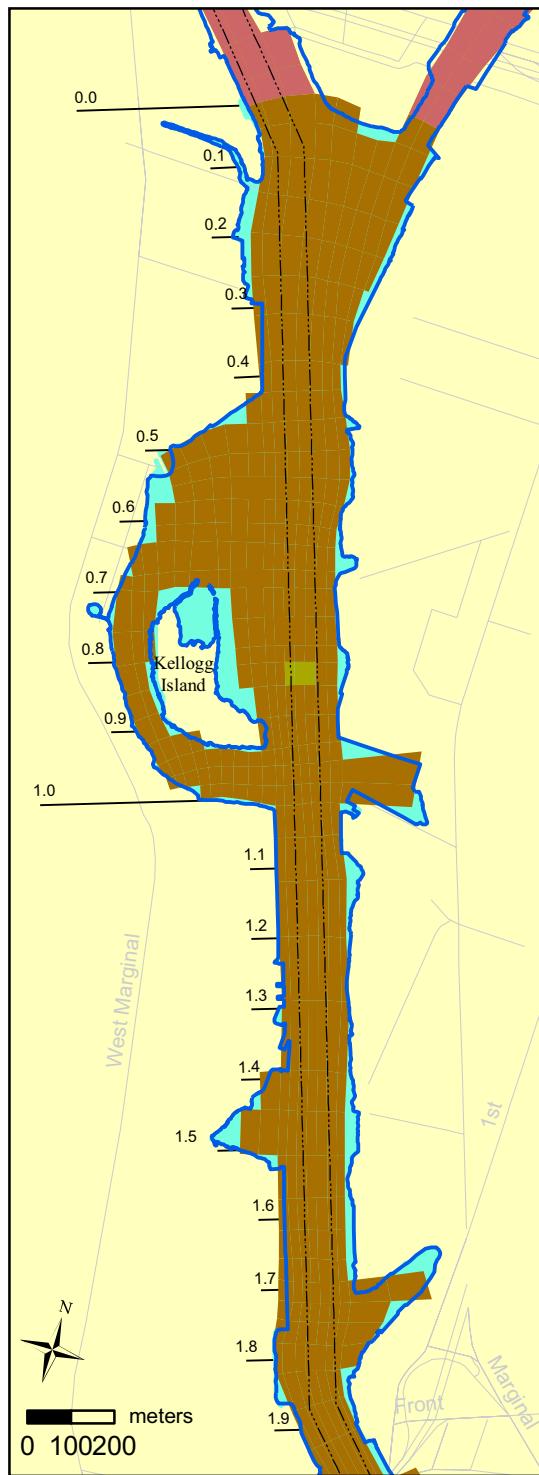


**Figure D-132. Absolute difference in net sedimentation rate for different spatial scale: Run 32, RM 0 to 4, 6-year simulation.**

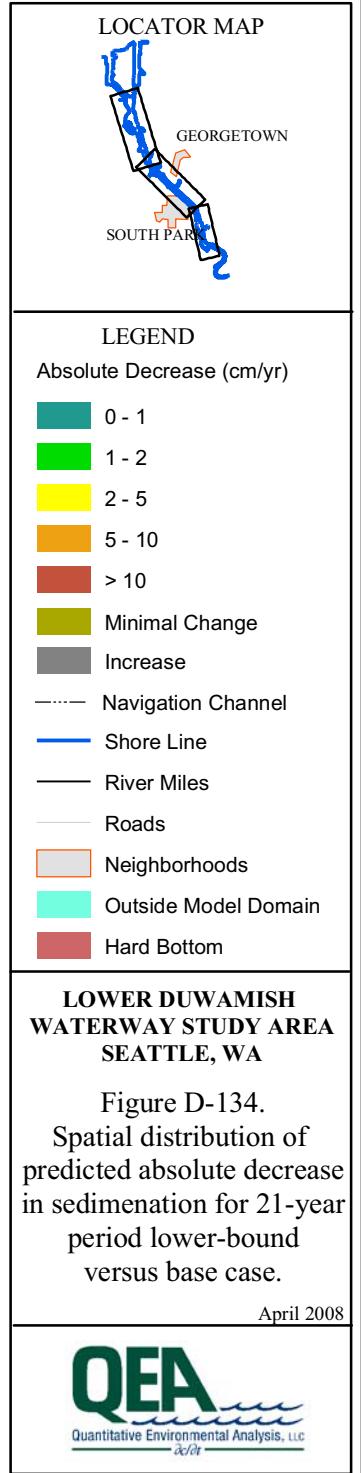
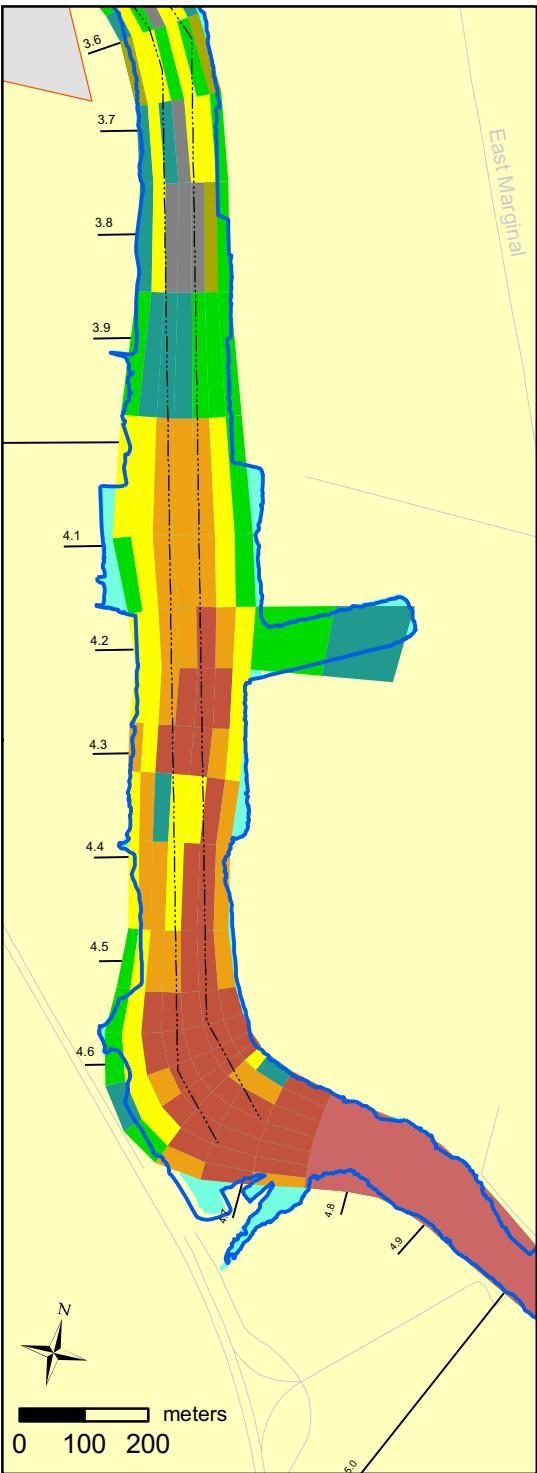
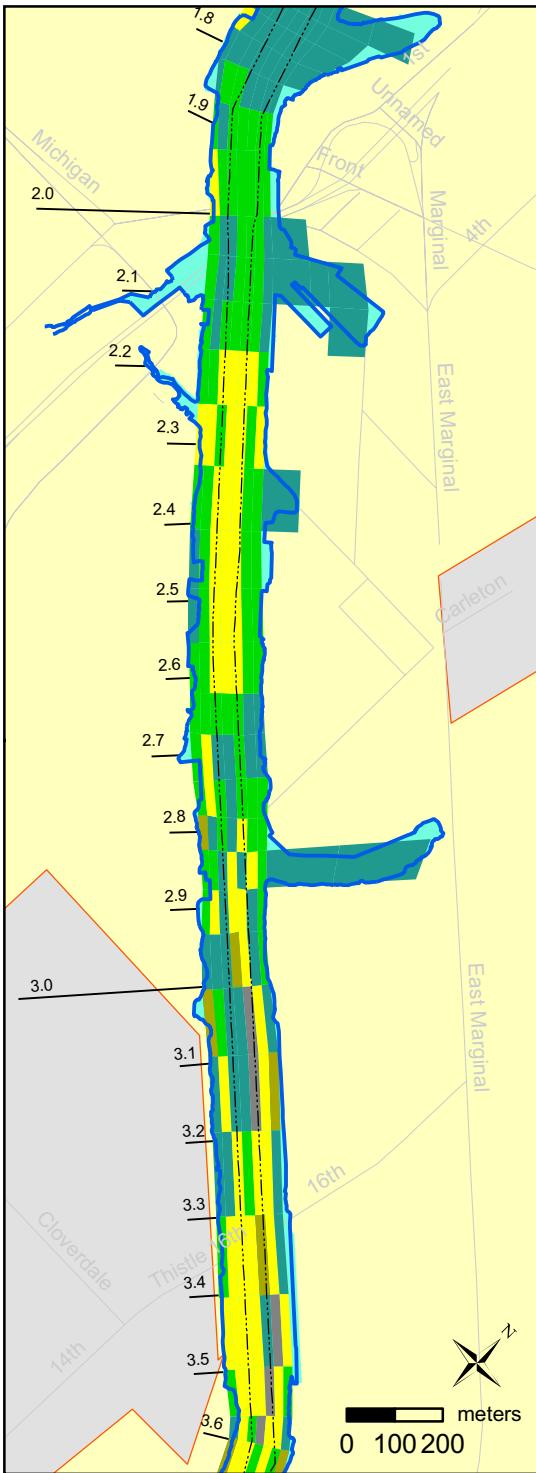
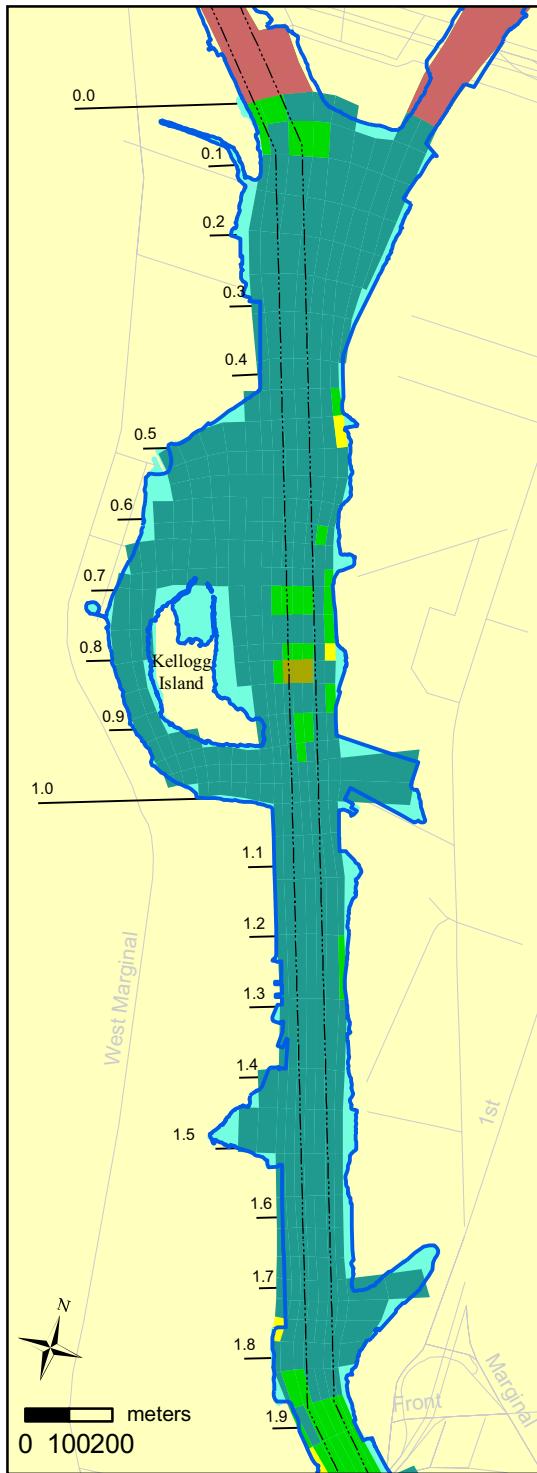
The solid dot represents the mean values for given spatial scale.

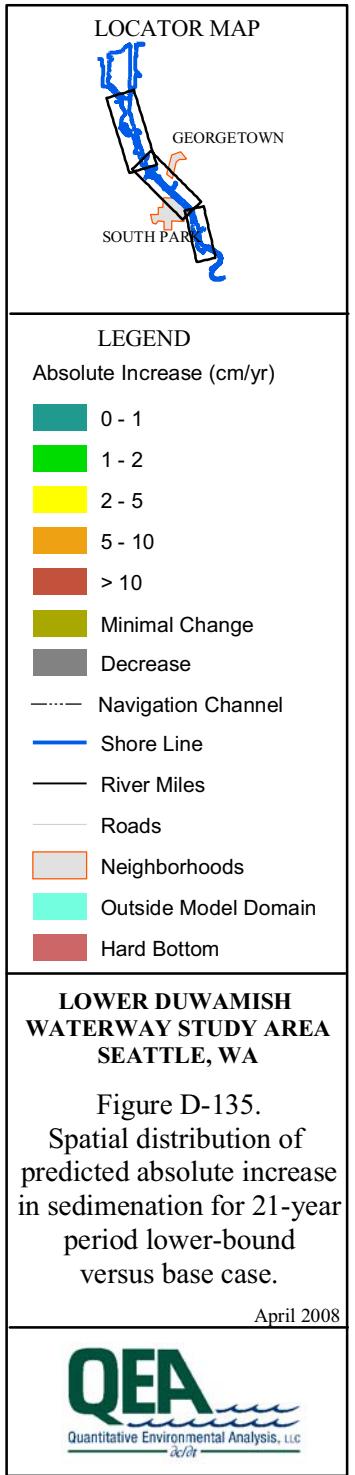
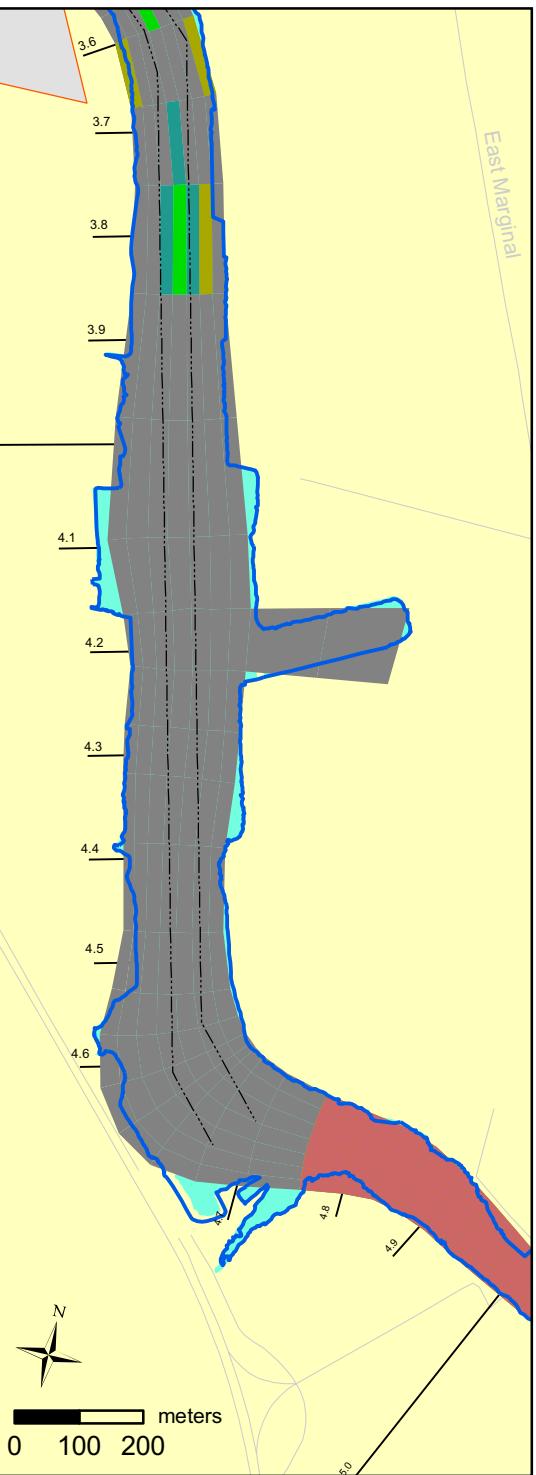
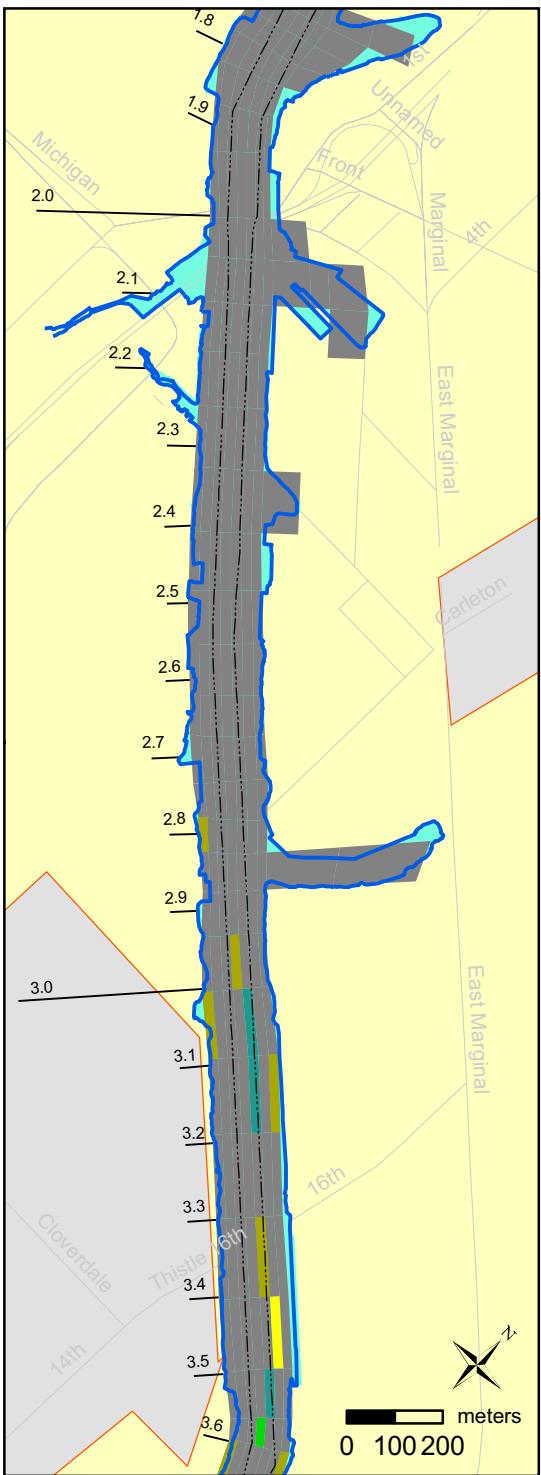
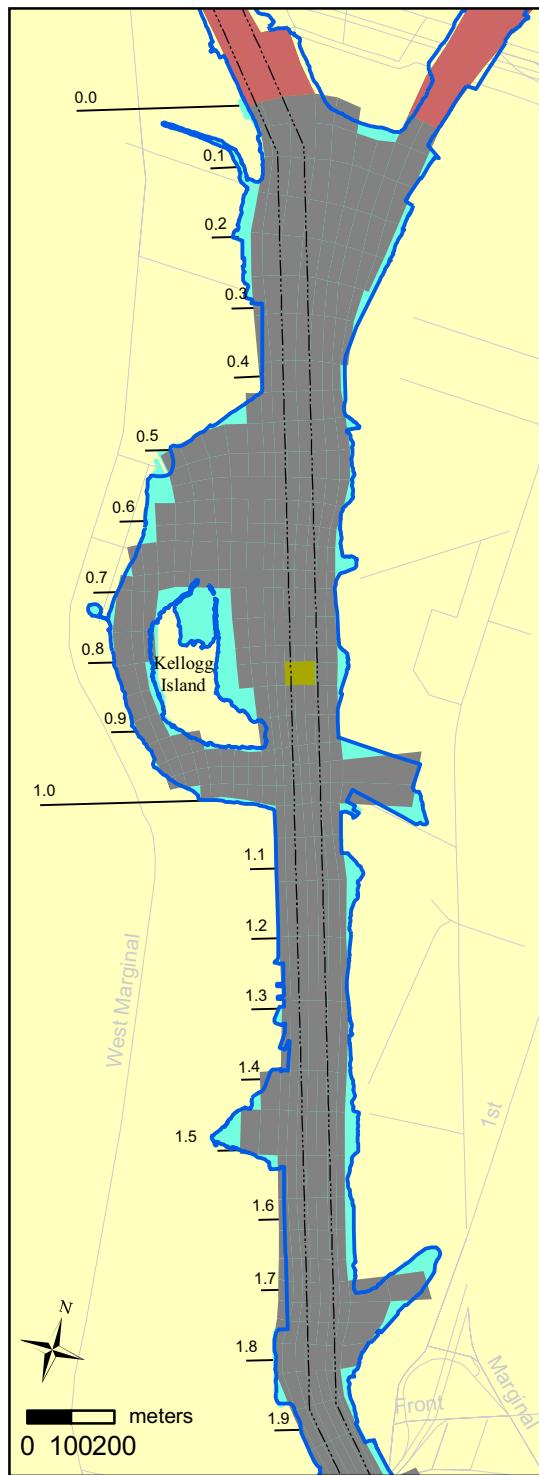
For given spatial scale, the statistics of the absolute difference in net sedimentation rate (NSR) (predicted - estimated) is calculated as follows.

1. Calculate average NSR value for each zone for given spatial scale based on predicted and estimated data, 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..



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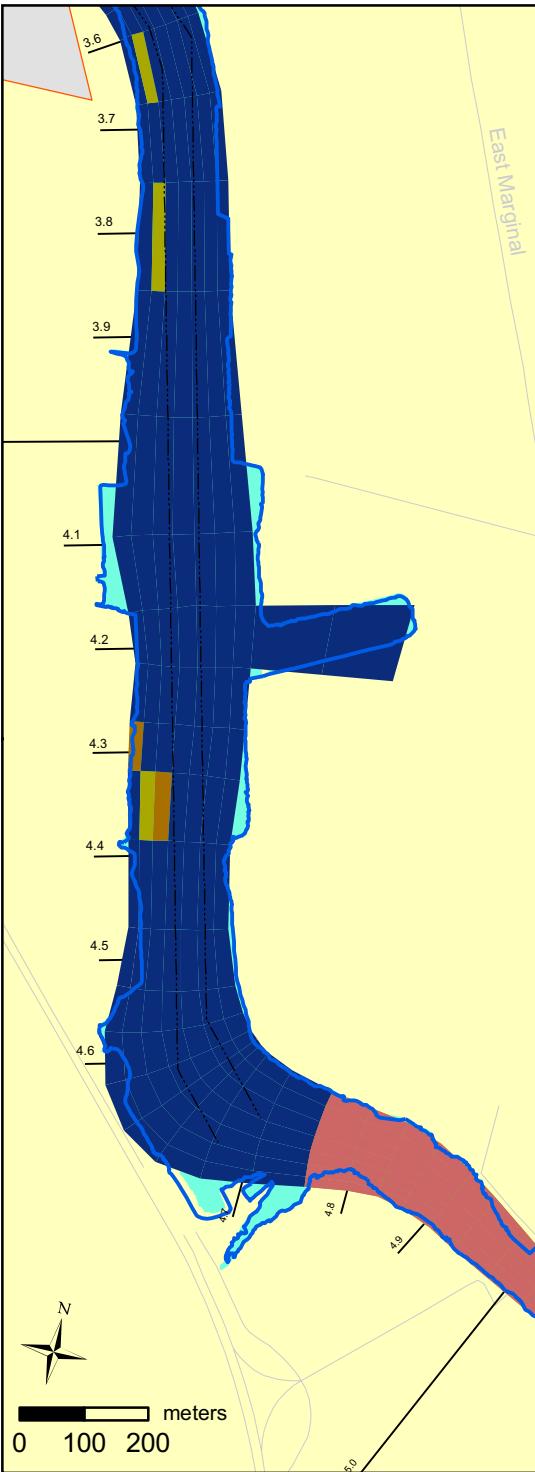
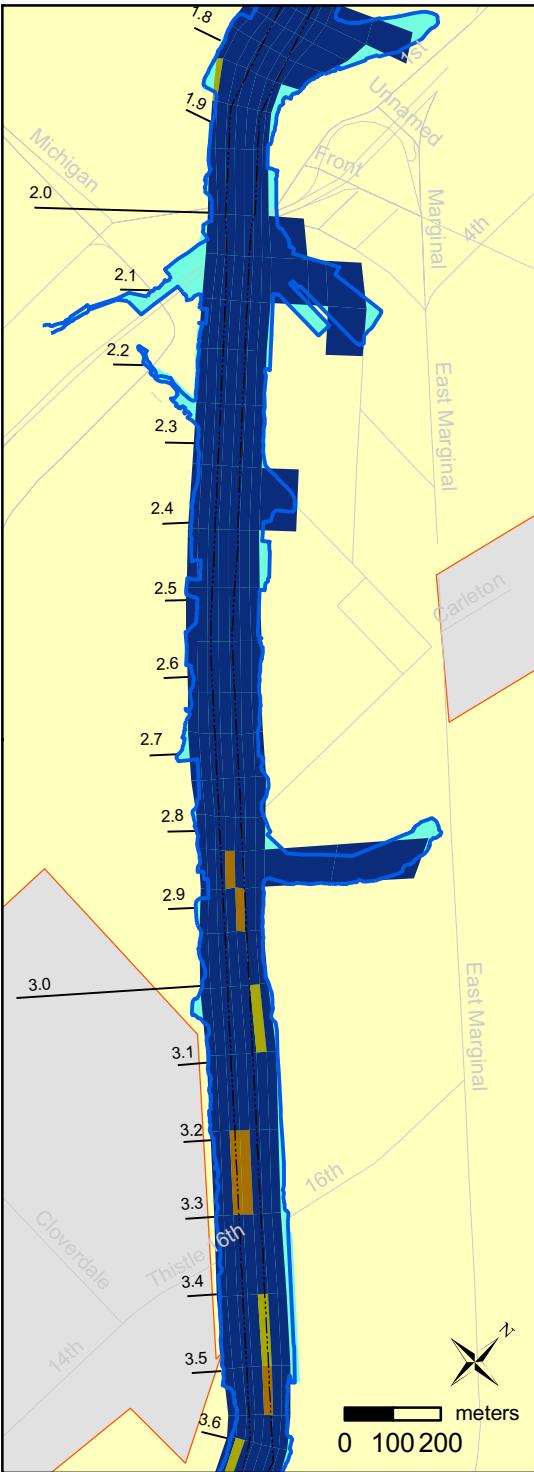
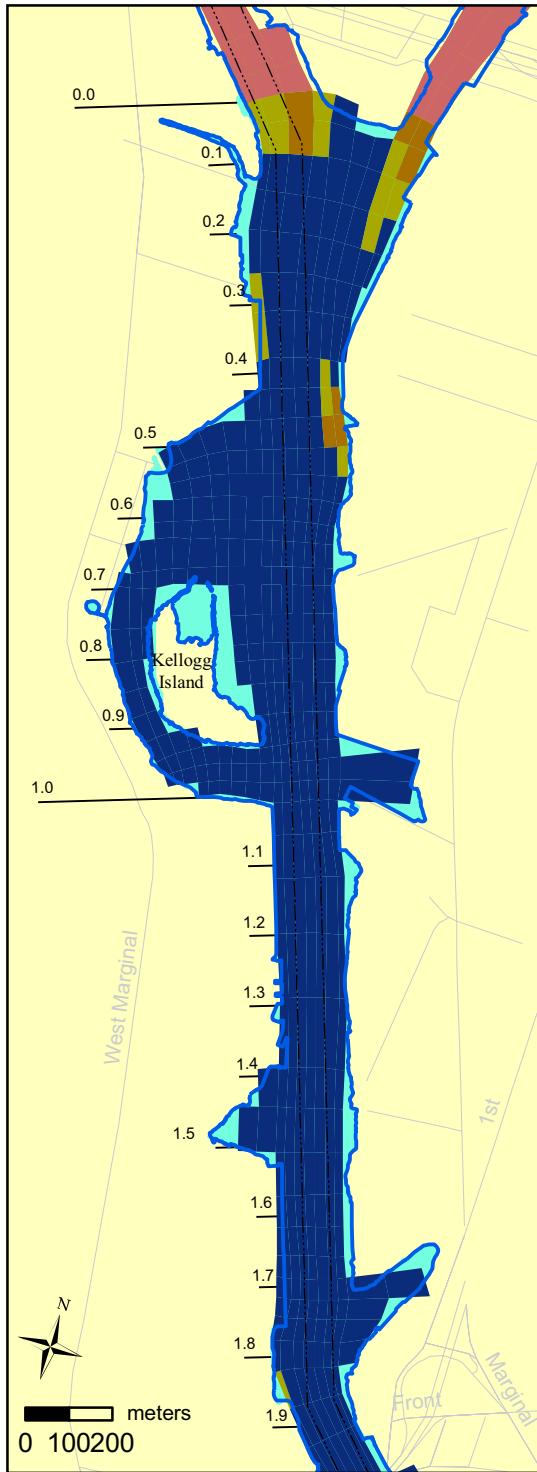


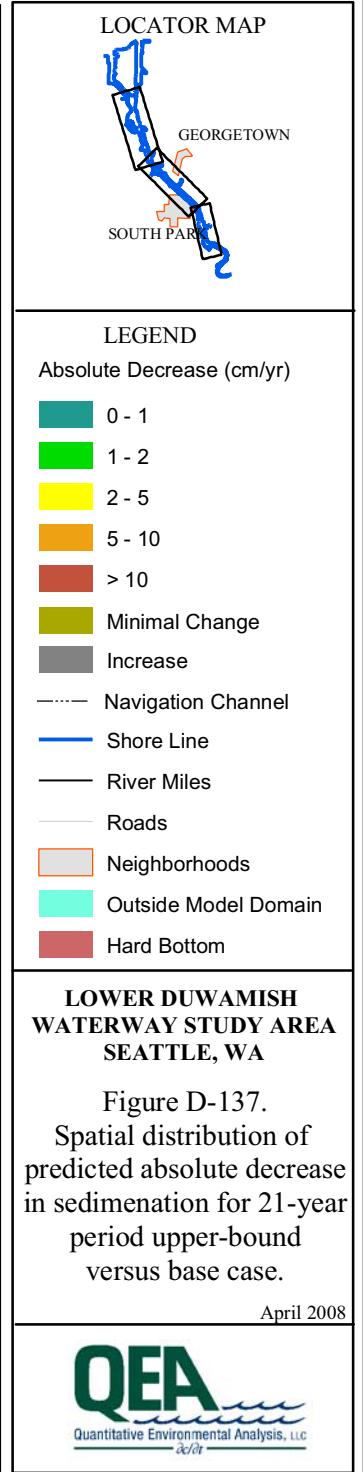
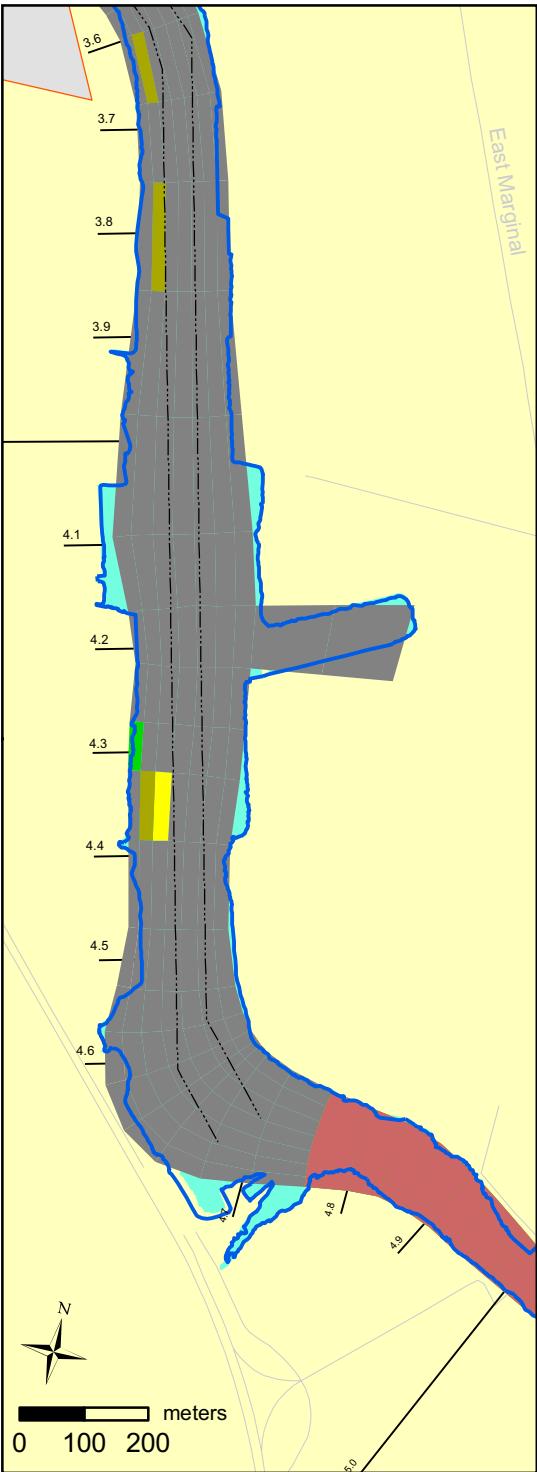
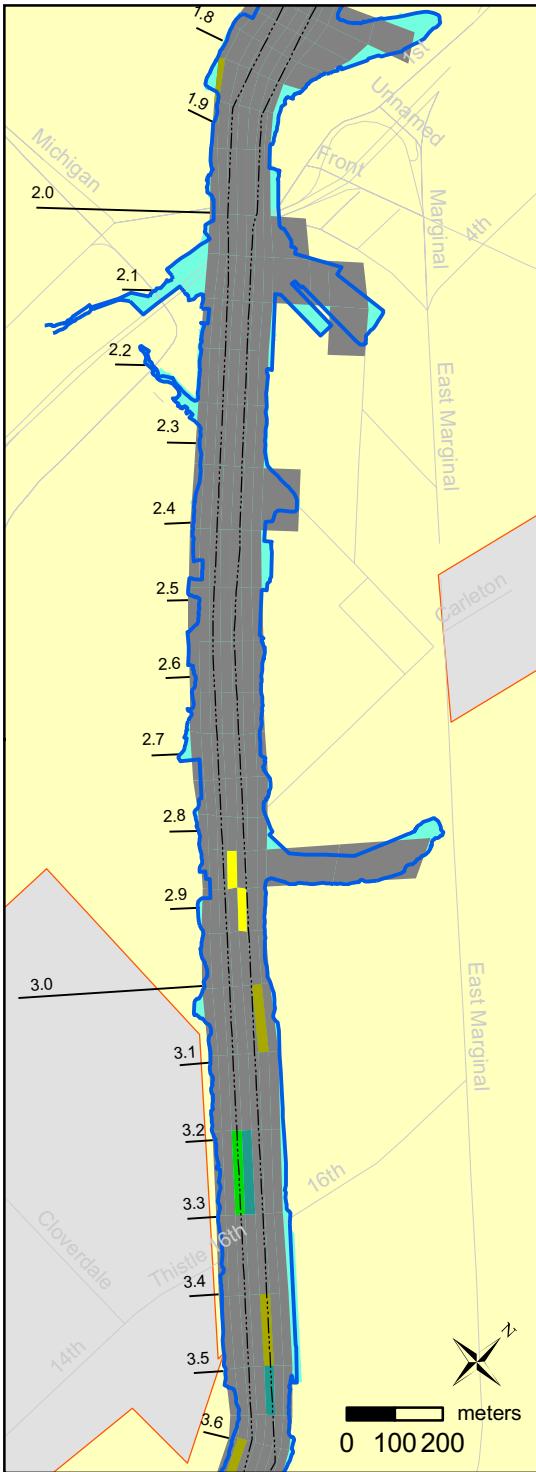
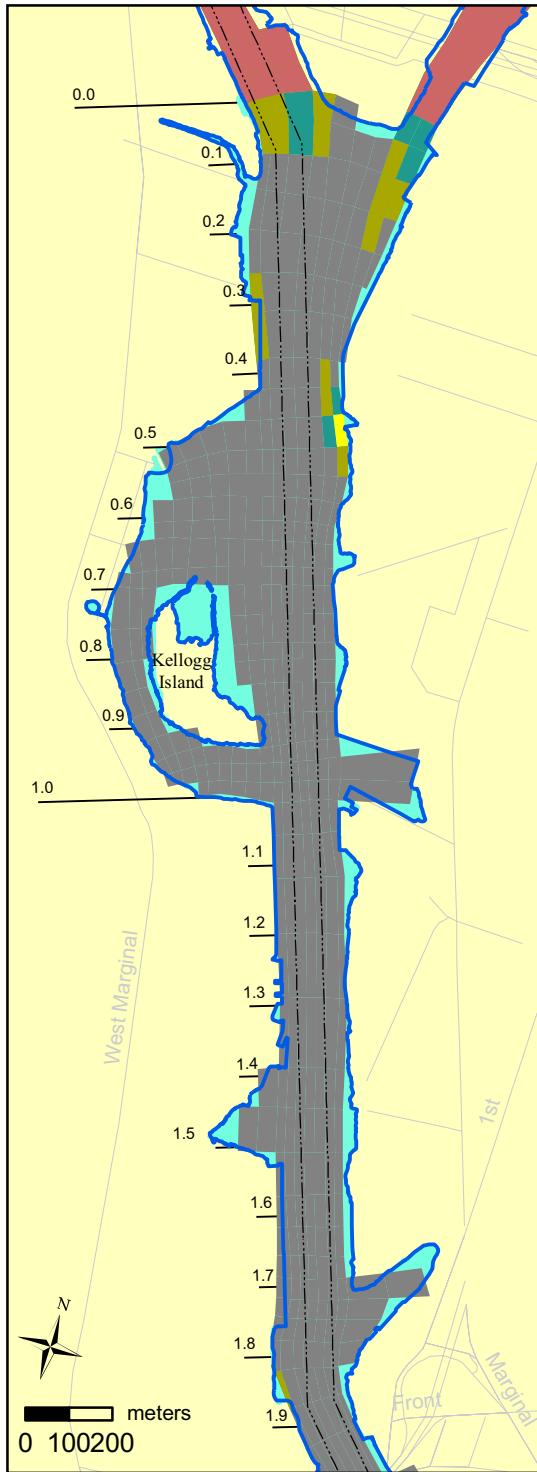
**LOWER DUWAMISH  
WATERWAY STUDY AREA  
SEATTLE, WA**

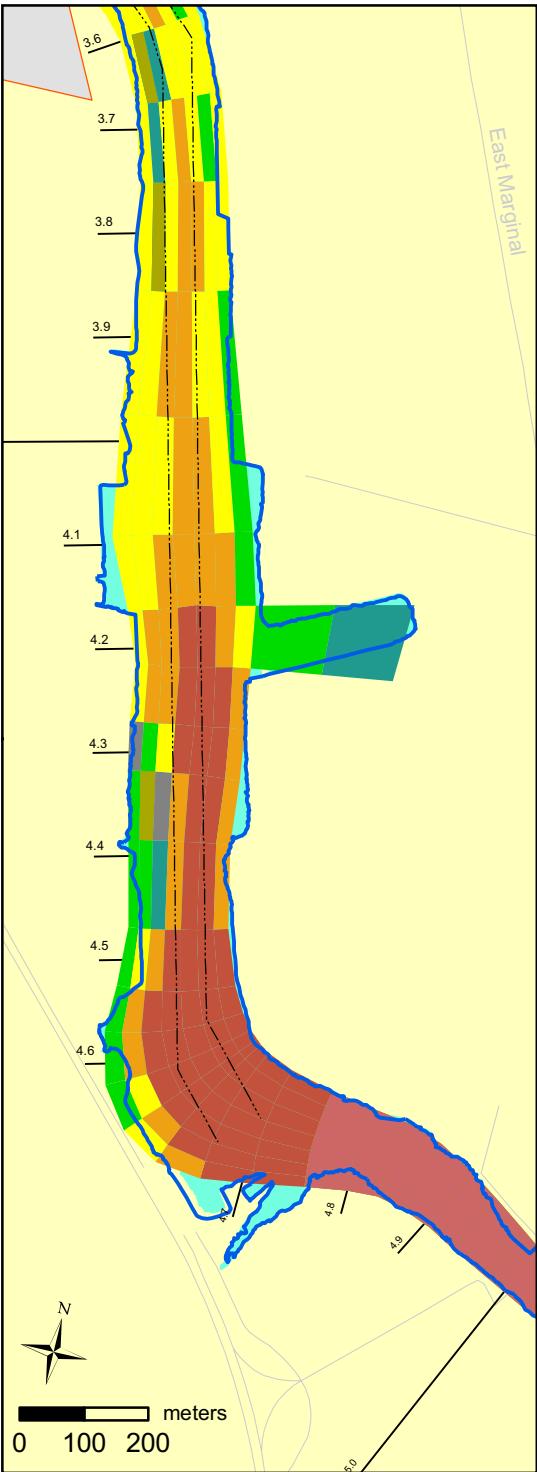
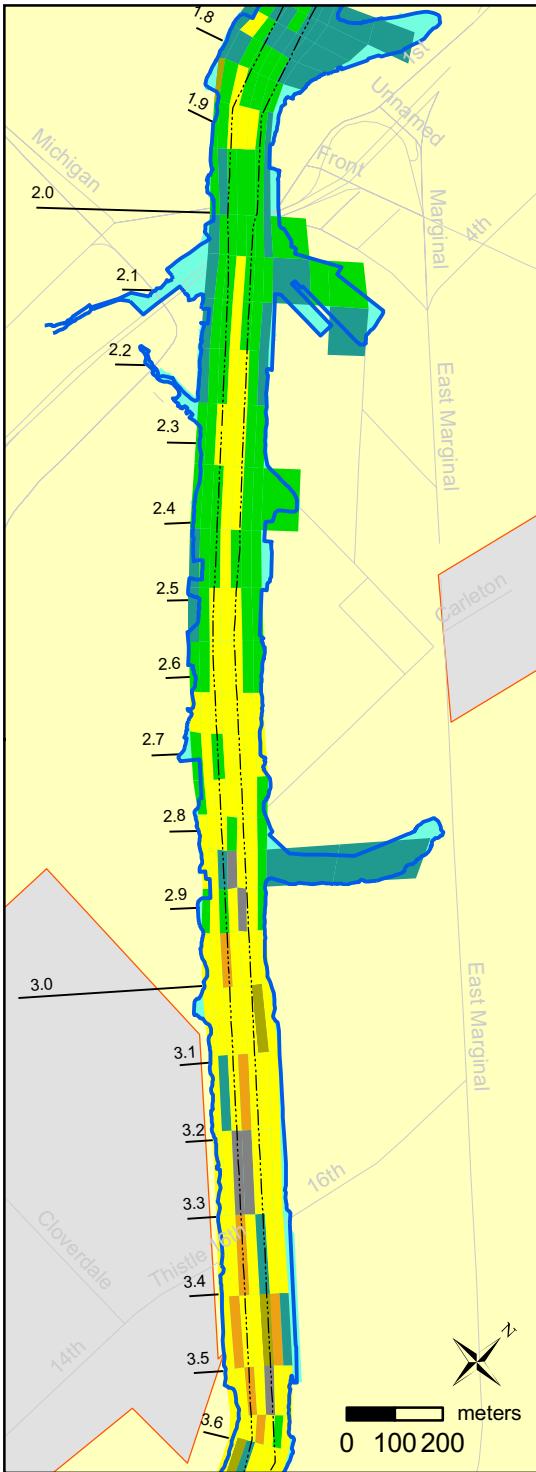
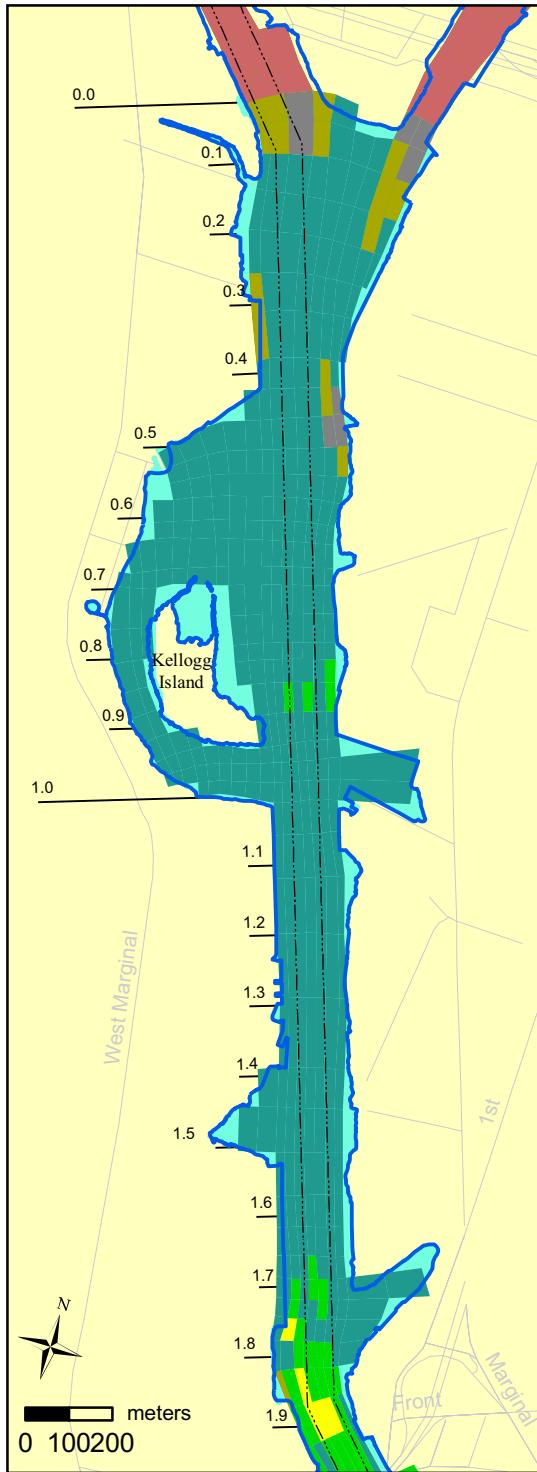
Figure D-135.  
Spatial distribution of predicted absolute increase in sedimentation for 21-year period lower-bound versus base case.

April 2008



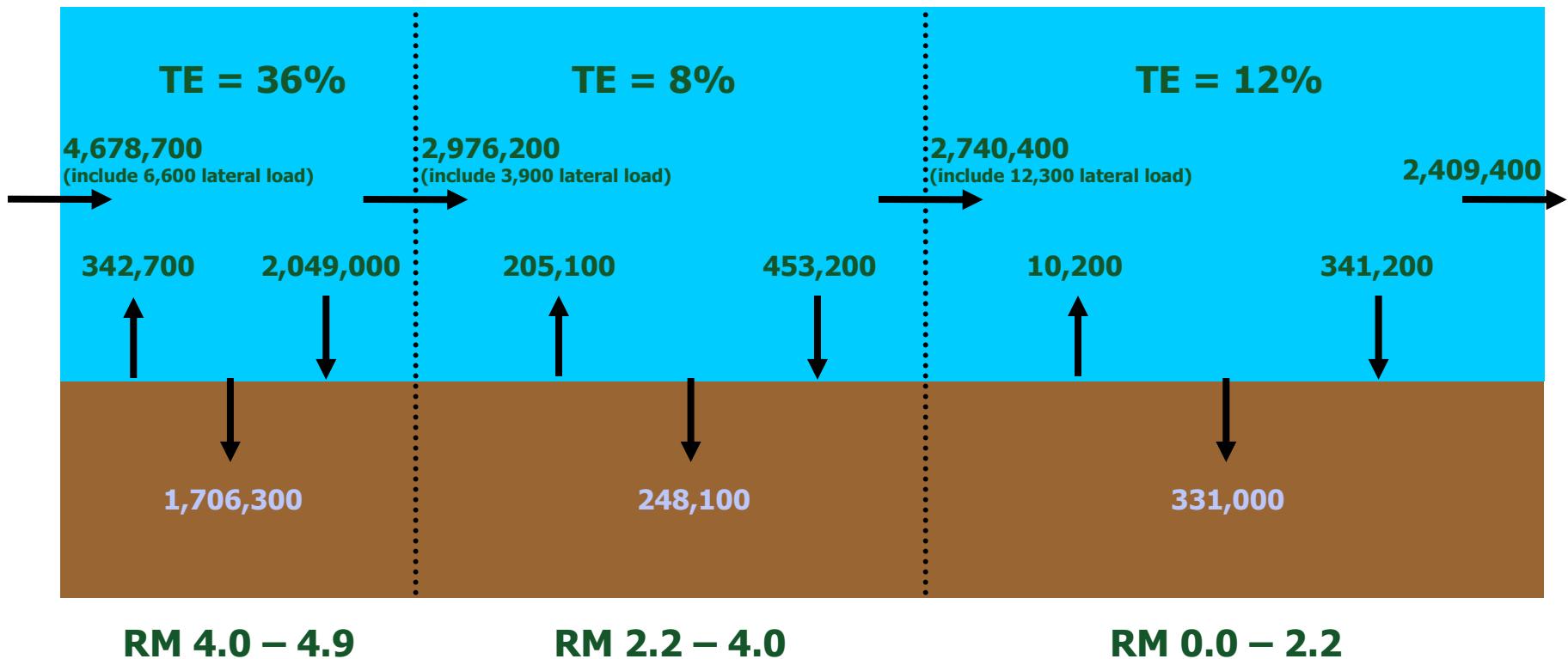






## Total Sediment Mass Balance for 21-Year Period: Base case

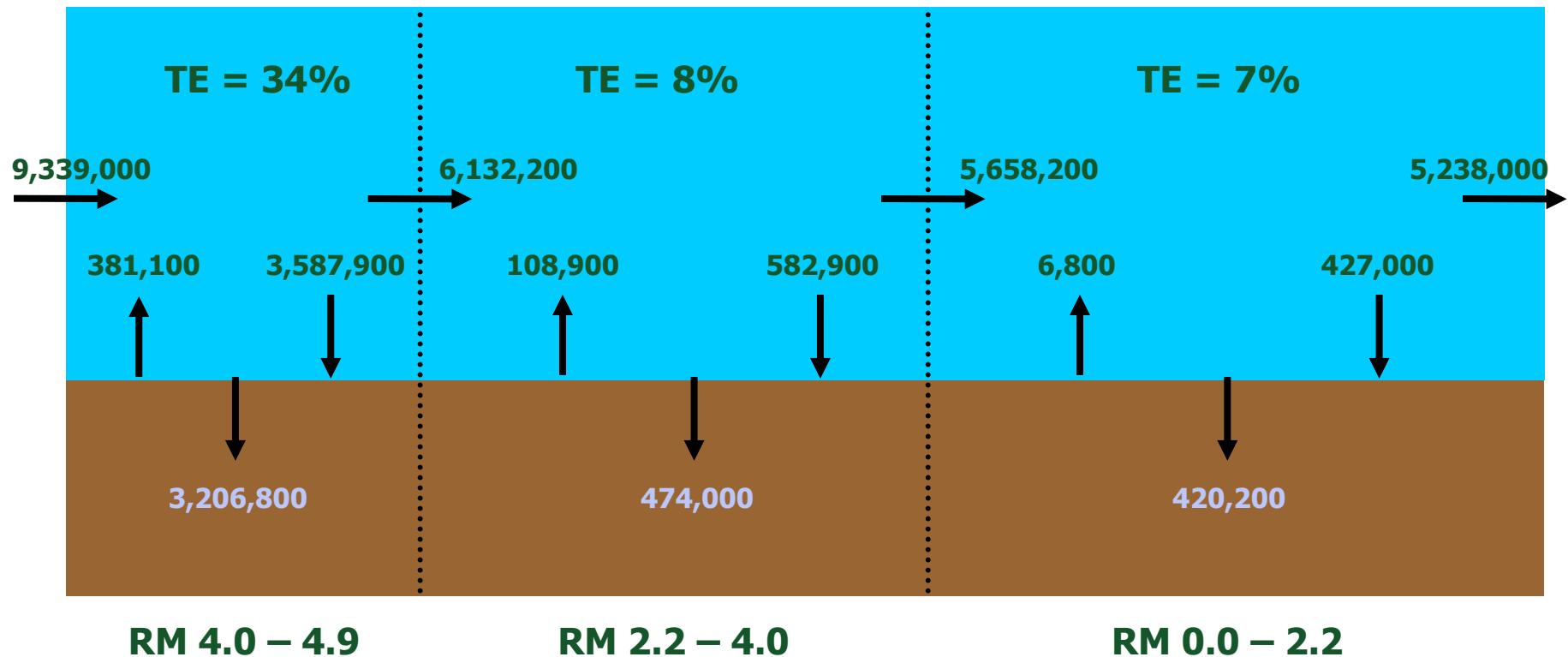
Overall Trapping Efficiency = 49%



**Sediment mass units = metric tons**  
**Mass balance results rounded to nearest 100 MT**

Figure D-139. Total sediment mass balances for 21-year period: base case.

**Total Sediment Mass Balance for 21-Year Period: Upper-Bound**  
**Overall Trapping Efficiency = 44%**



**Sediment mass units = metric tons**  
**Mass balance results rounded to nearest 100 MT**

Figure D-140. Total sediment mass balances for 21-year period: upper-bound.

**Total Sediment Mass Balance for 21-Year Period: Lower-Bound**  
**Overall Trapping Efficiency = 54%**

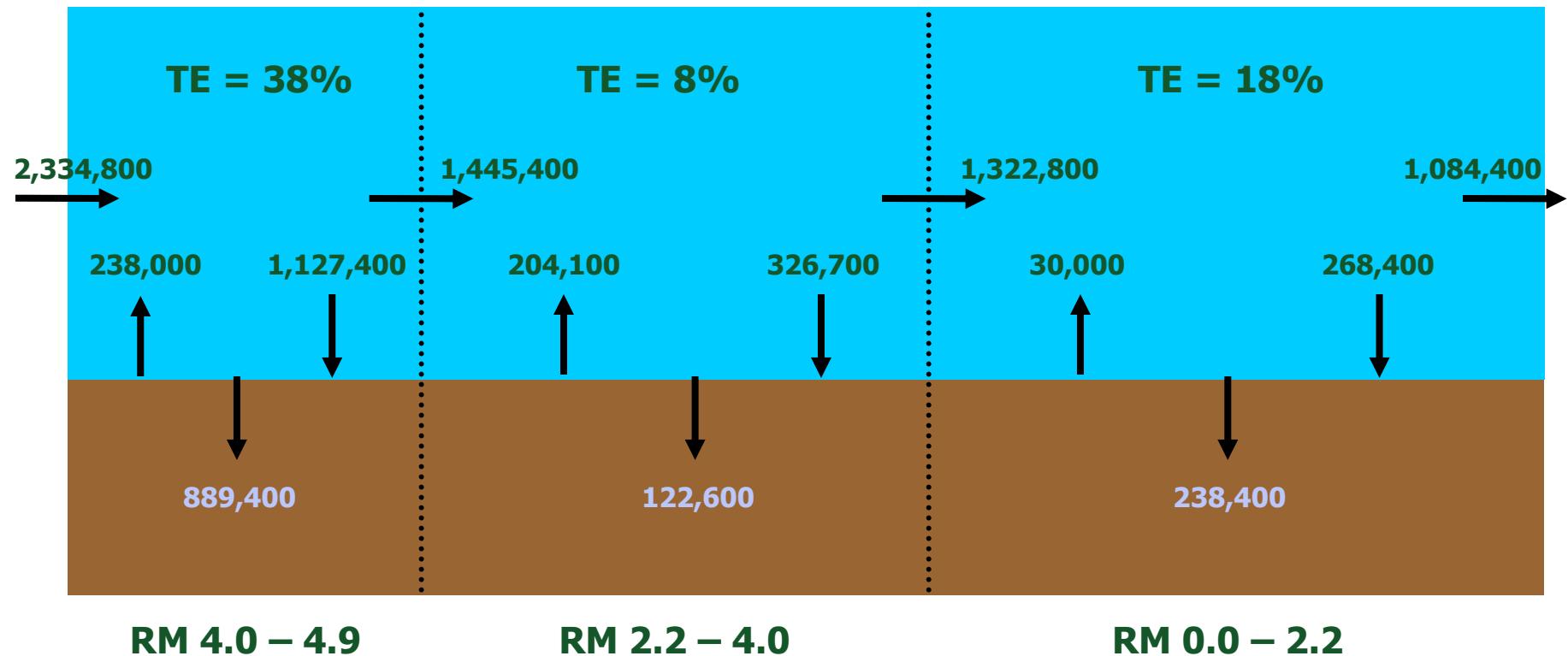


Figure D-141. Total sediment mass balances for 21-year period: lower-bound.