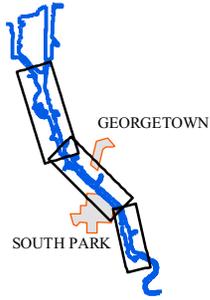


LOCATOR MAP



LEGEND

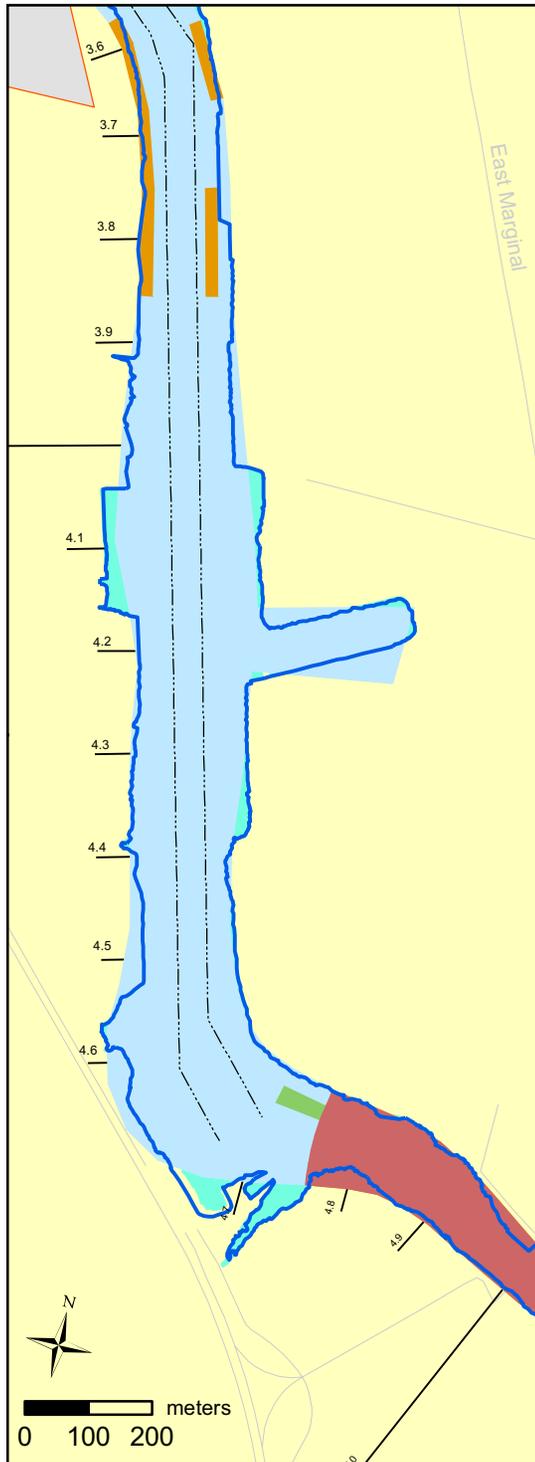
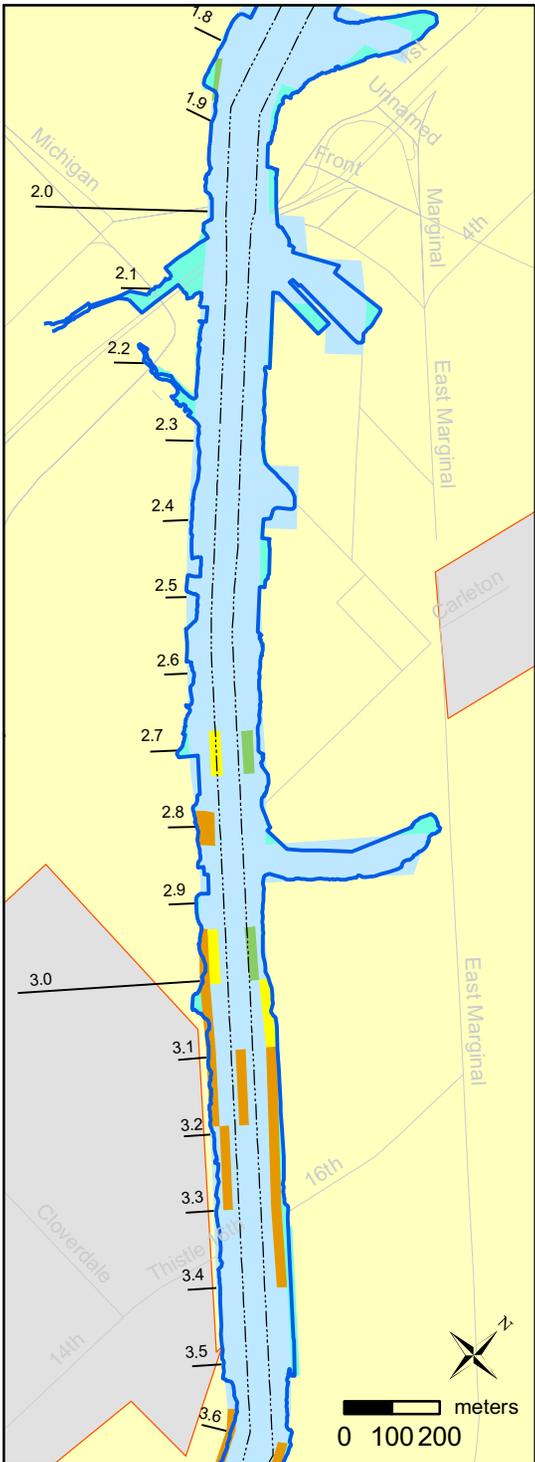
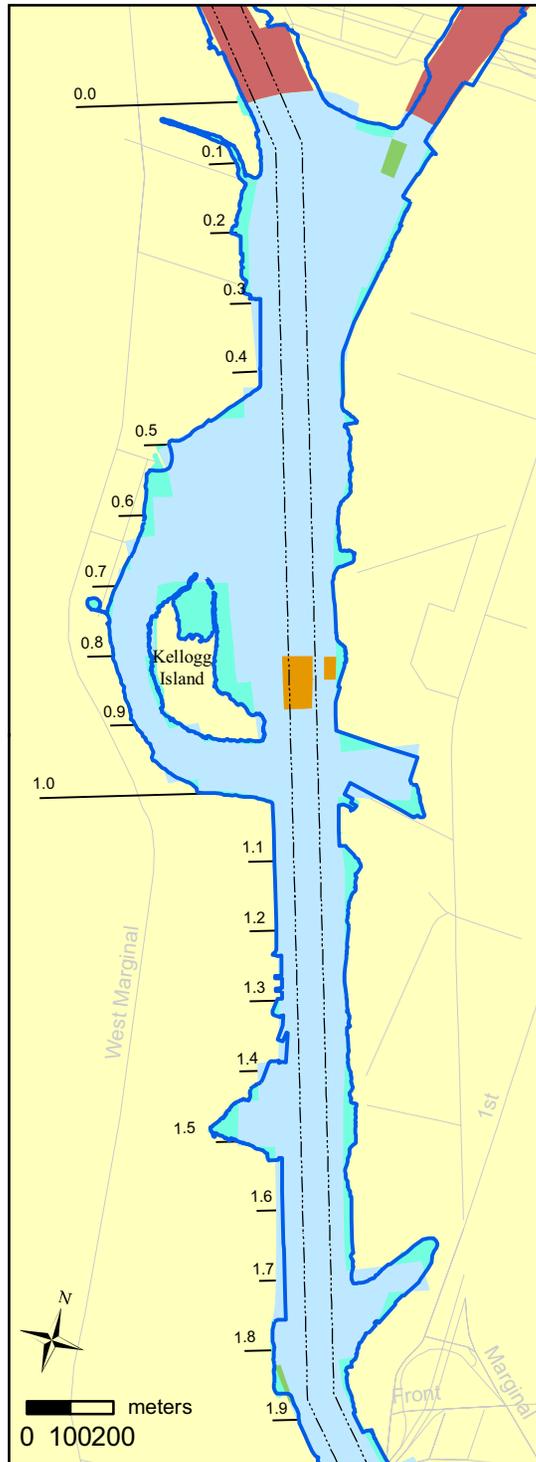
- Navigation Channel
- Shore Line
- River Miles
- Roads
- Hard Bottom
- Neighborhoods
- Outside model domain
- Model Predicted NSR (cm/yr)
  - 0 - 0.5
  - 0.5 - 1.0
  - 1.0 - 2.0
  - 2.0 - 3.0
  - > 3.0 color swatch"/> > 3.0
  - Net Erosion

LOWER DUWAMISH WATERWAY STUDY AREA SEATTLE, WA

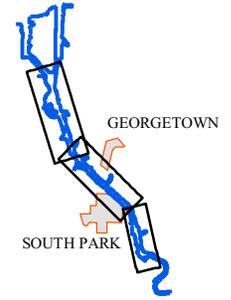
Figure 4-2. Spatial distribution of predicted net sedimentation rate (NSR) for 30-year period.

June 2008





LOCATOR MAP



LEGEND

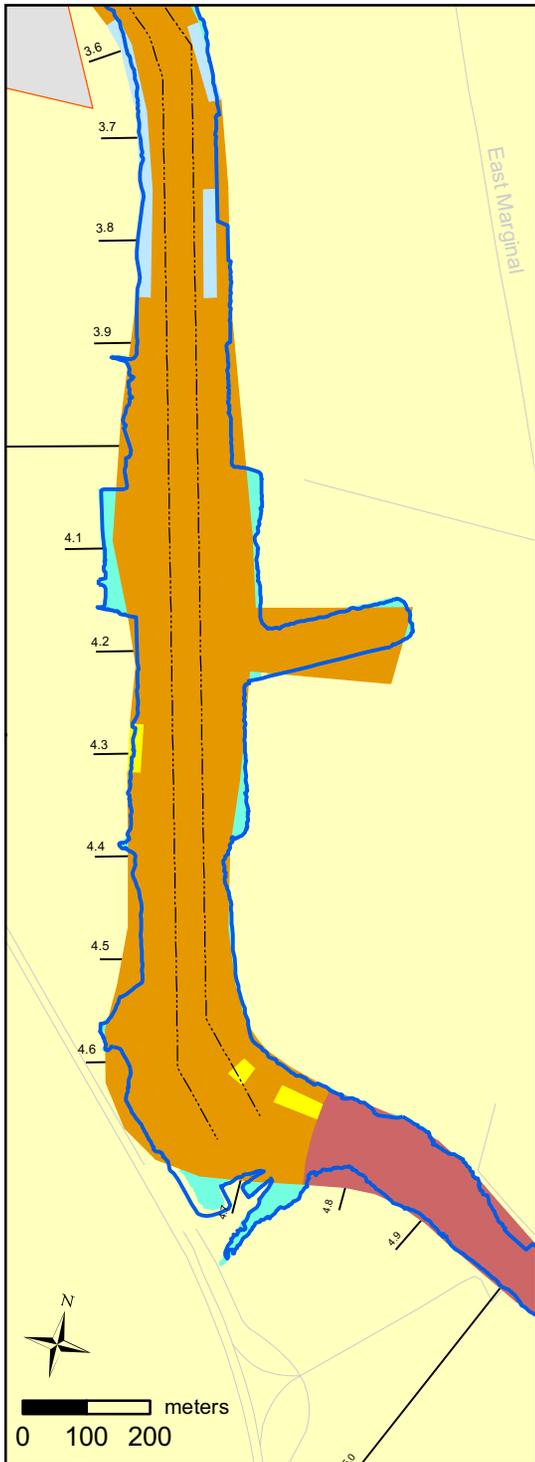
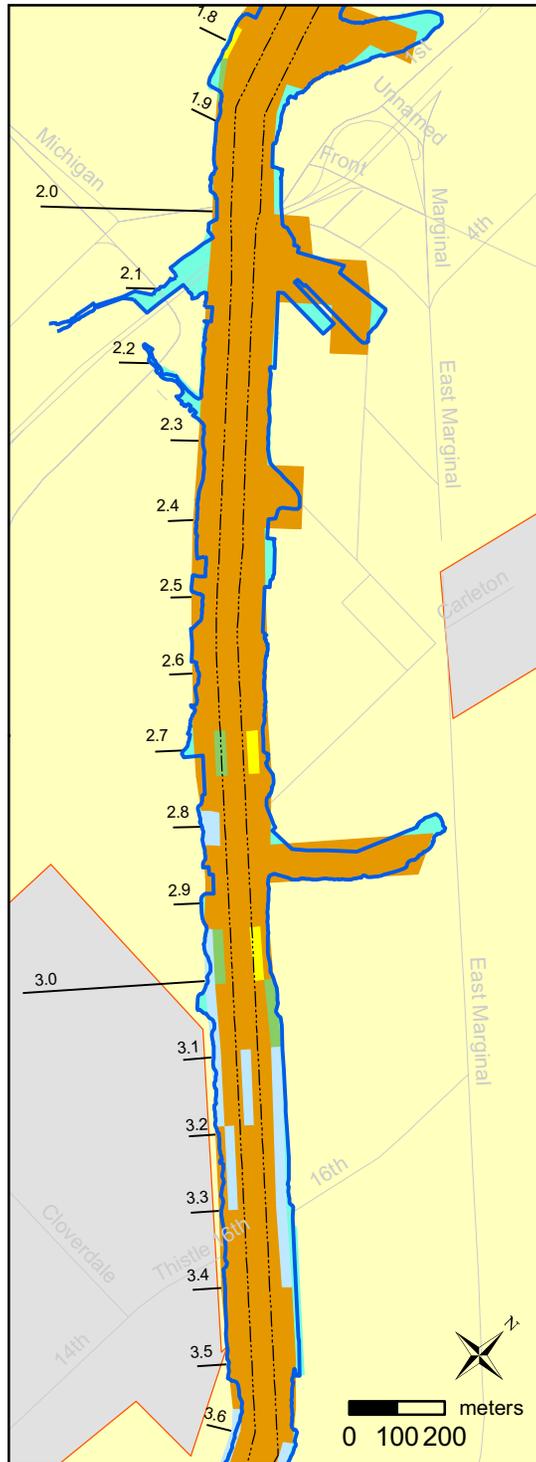
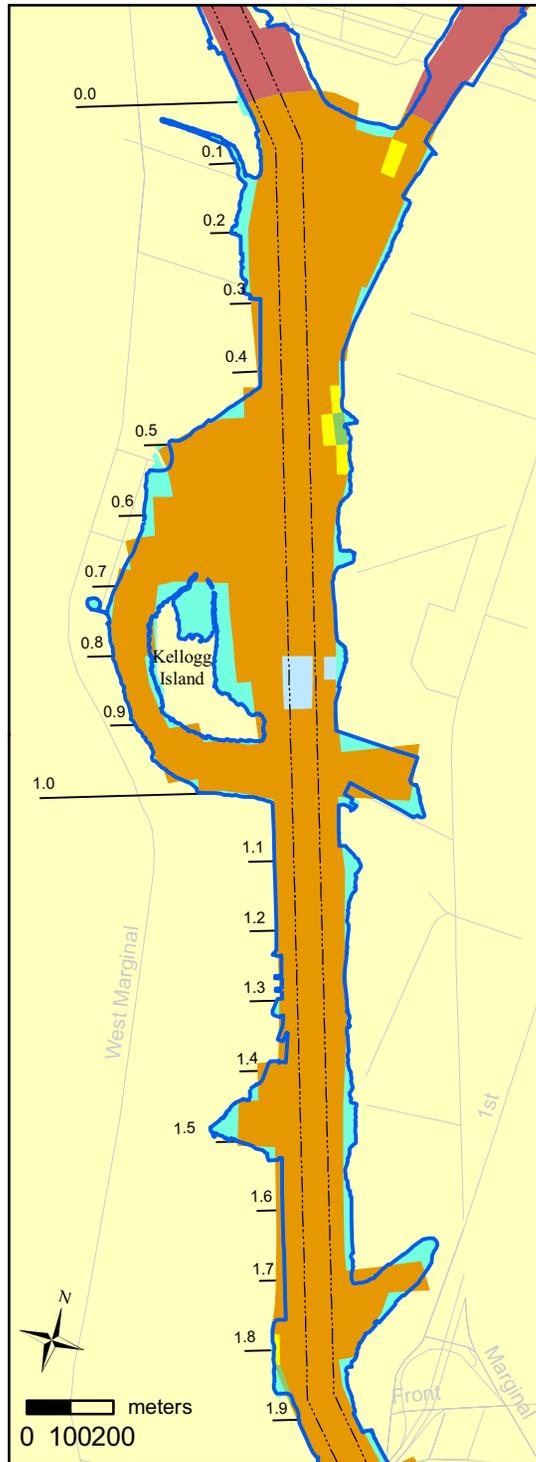
- Bed source content (%)
- 0 - 25
  - 25 - 50
  - 50 - 75
  - 75 - 100
- Navigation channel
  - Shore line
  - River miles
  - Roads
  - Neighborhoods
  - Outside model domain
  - Hard bottom

LOWER DUWAMISH WATERWAY STUDY AREA SEATTLE, WA

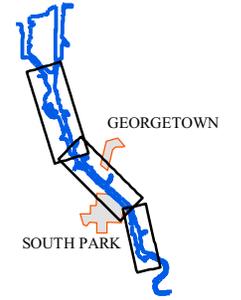
Figure 4-3. Spatial distribution of predicted bed-source content in surface-layer (0-10 cm) of the bed at the end of 30-year period.

April 2008





LOCATOR MAP



LEGEND

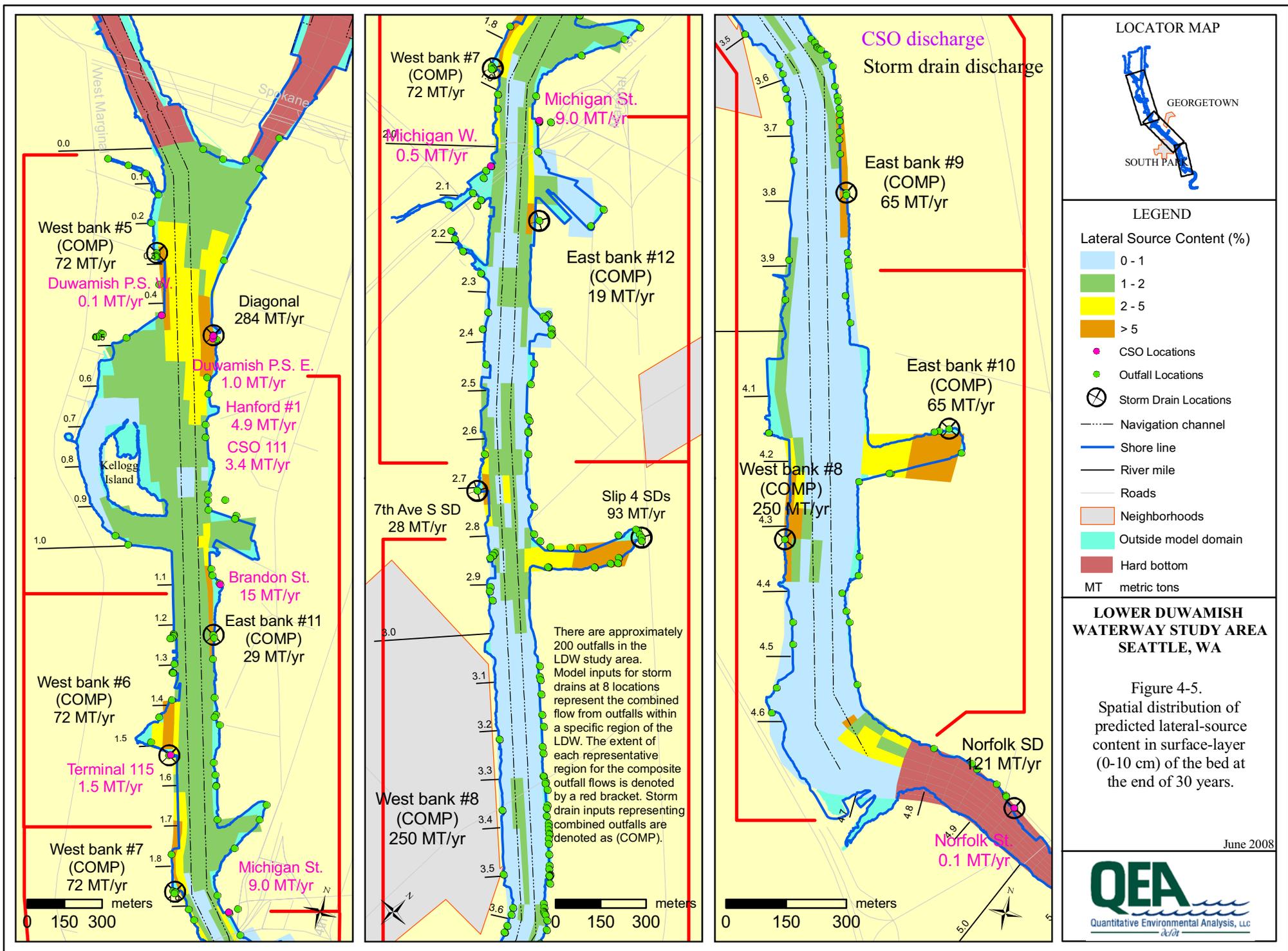
- Upstream source content (%)
- 0 - 25
  - 25 - 50
  - 50 - 75
  - 75 - 100
  - Navigation channel
  - Shore line
  - River miles
  - Roads
  - Neighborhoods
  - Outside model domain
  - Hard bottom

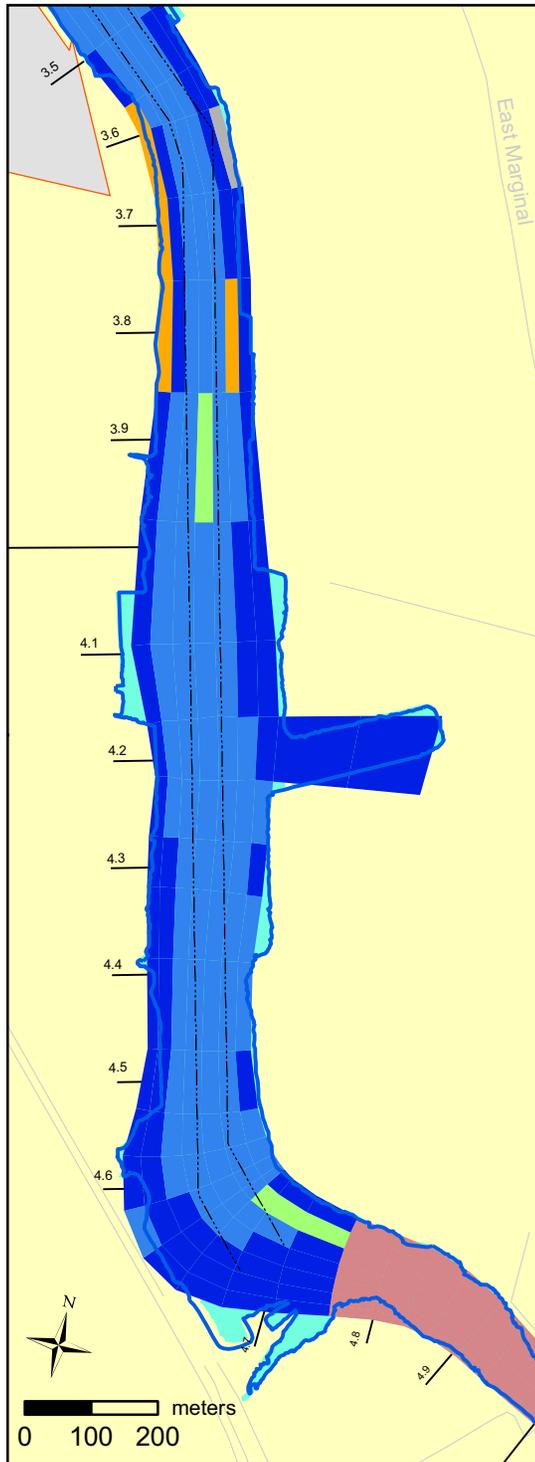
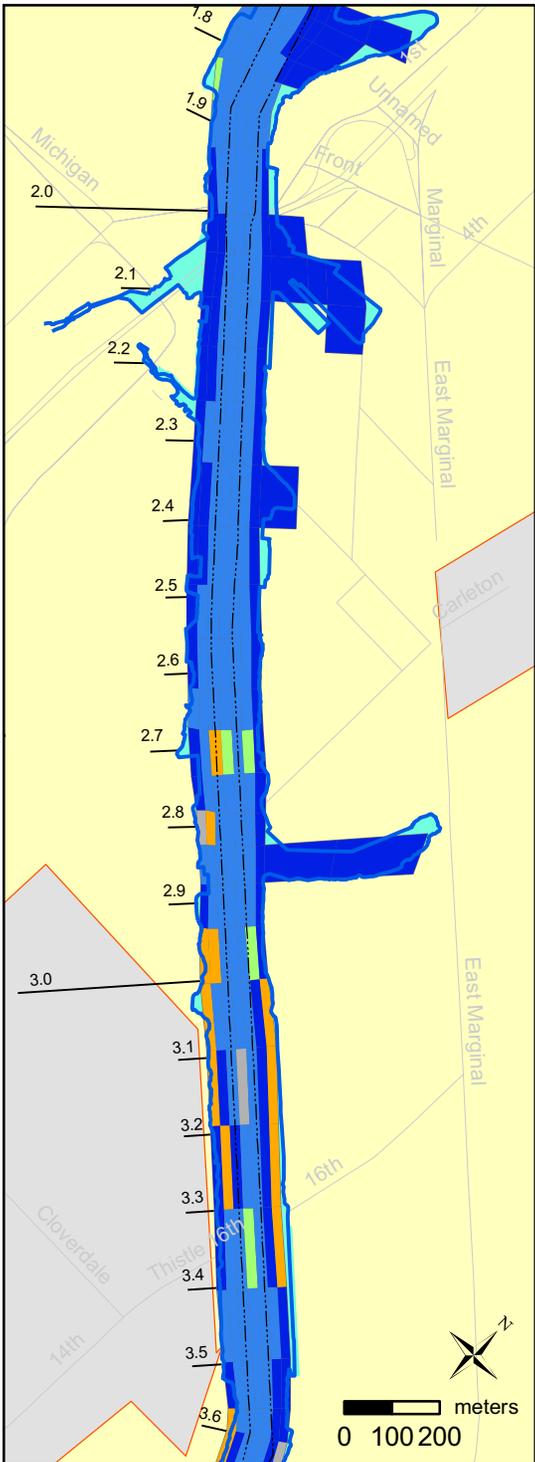
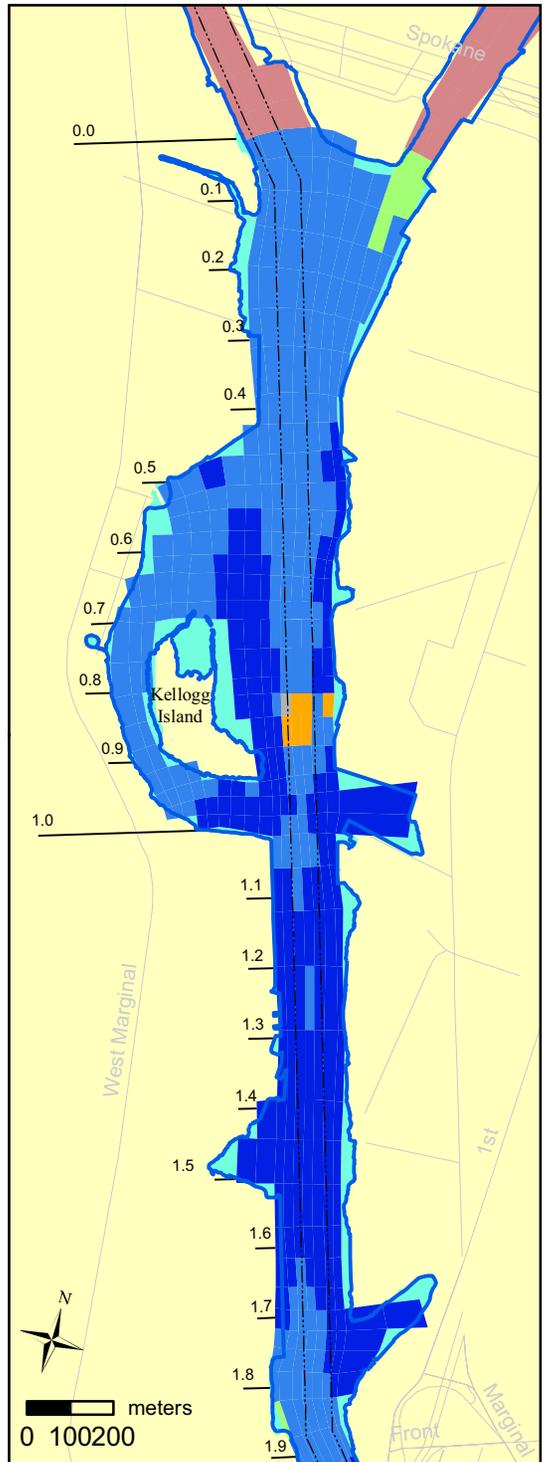
**LOWER DUWAMISH WATERWAY STUDY AREA SEATTLE, WA**

Figure 4-4. Spatial distribution of predicted upstream-source content in surface-layer (0-10 cm) of the bed at the end of 30-year period.

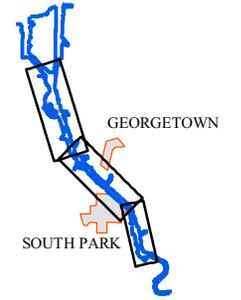
April 2008







LOCATOR MAP



LEGEND

- Half-time for bed-source content (year)
- < 5
  - 5 - 10
  - 10 - 30
  - > 30
  - Infinity (net erosion zone)
  - Navigation Channel
  - Shore Line
  - River Miles
  - Roads
  - Hard bottom
  - Neighborhoods
  - Outside model domain

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

Figure 4-6. Spatial distribution of predicted half-time of bed-source sediment in surface layer (0-10 cm) of the bed. Predicted half-times are average values for 30-year period.

April 2008



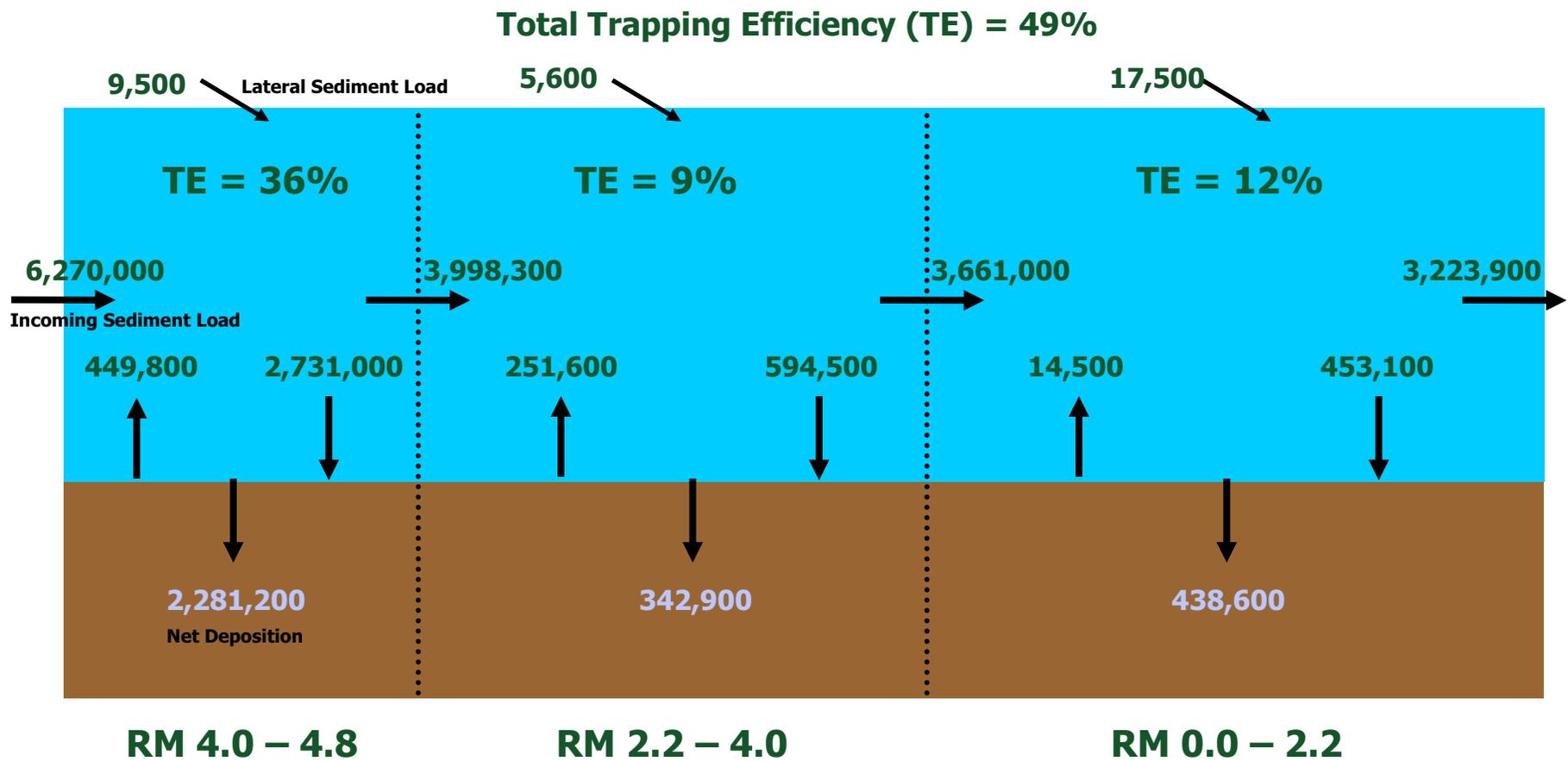


Figure 4-7. Sediment mass balance in the LDW (RM 0 – 4.8) for 30-year period. Mass units are metric tons. Trapping efficiency is percentage of incoming sediment load that is deposited within a reach.



**Bed source**  
**Upstream source**  
**Lateral source**

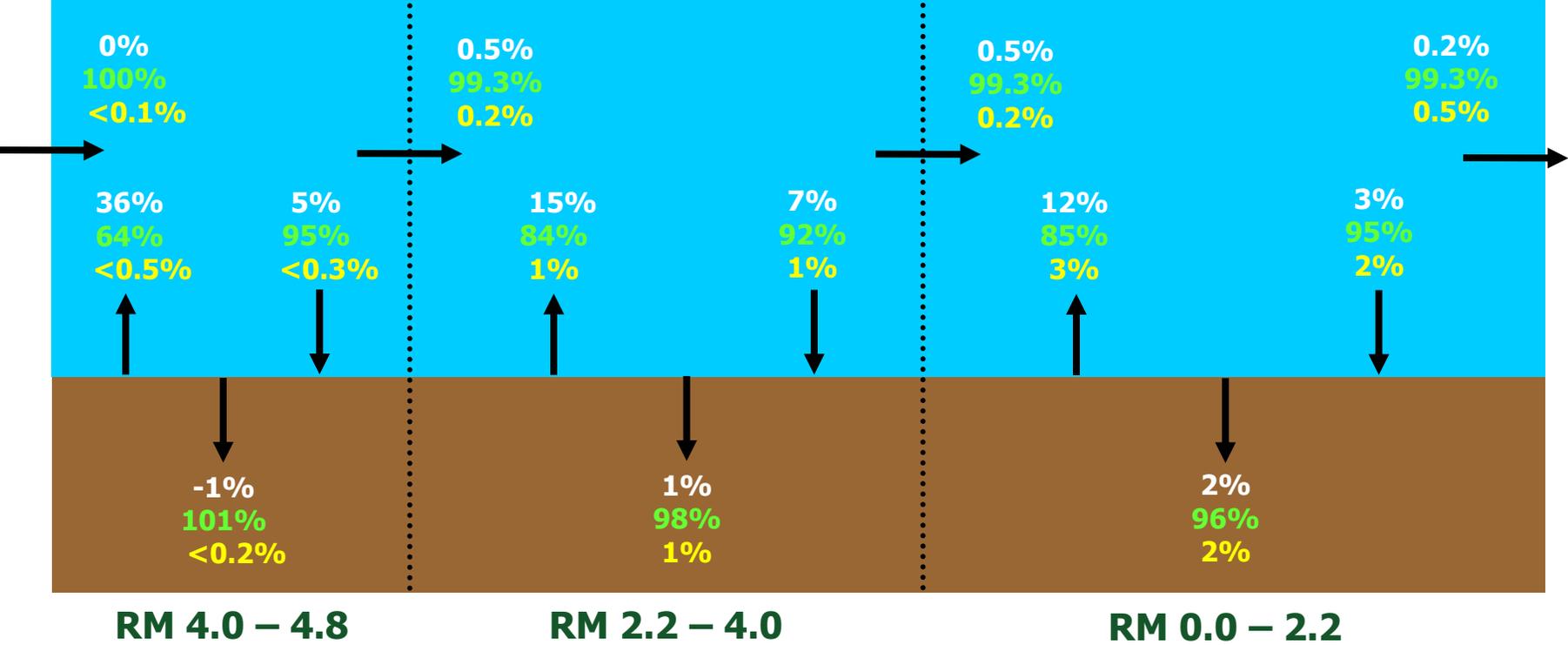
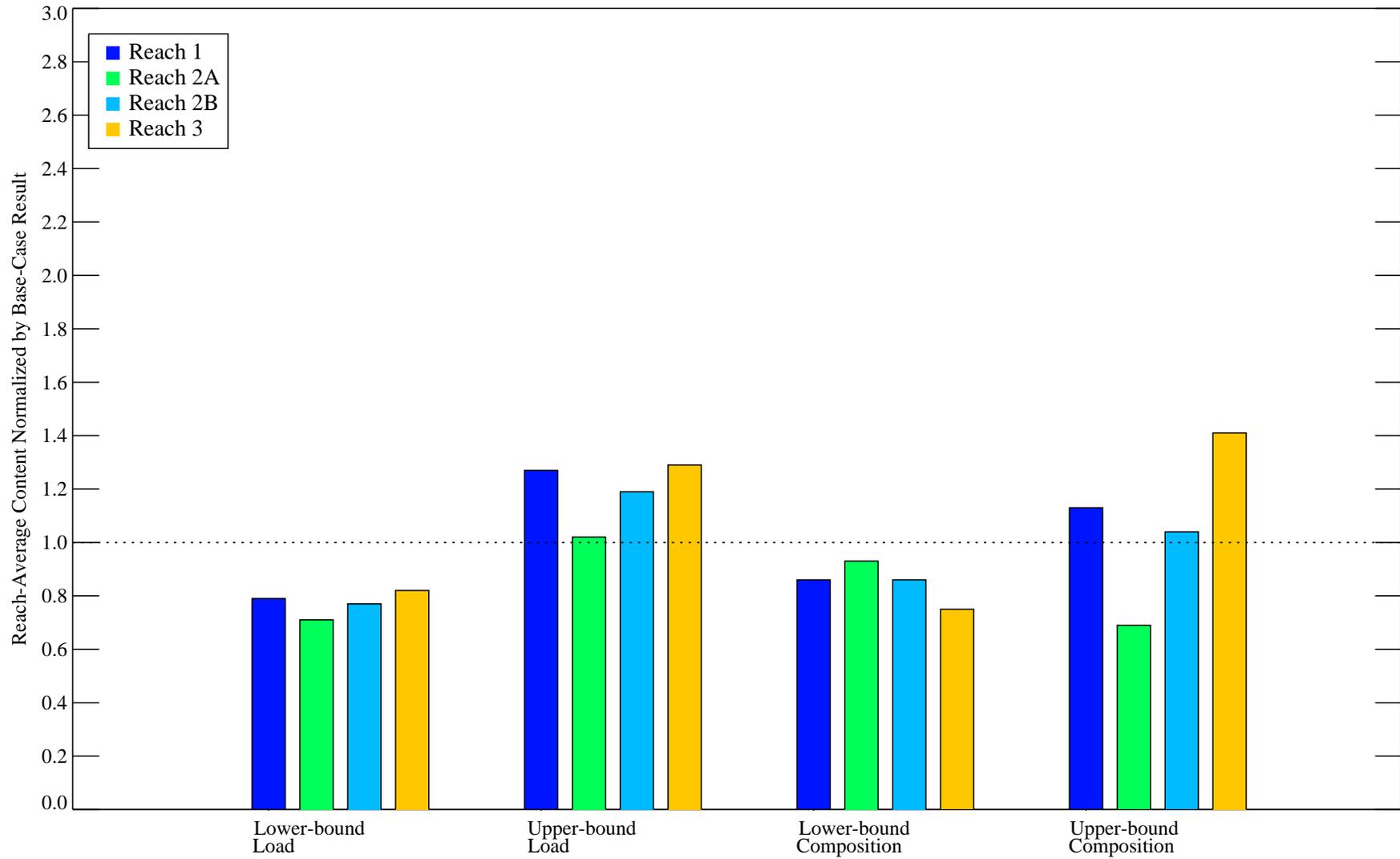
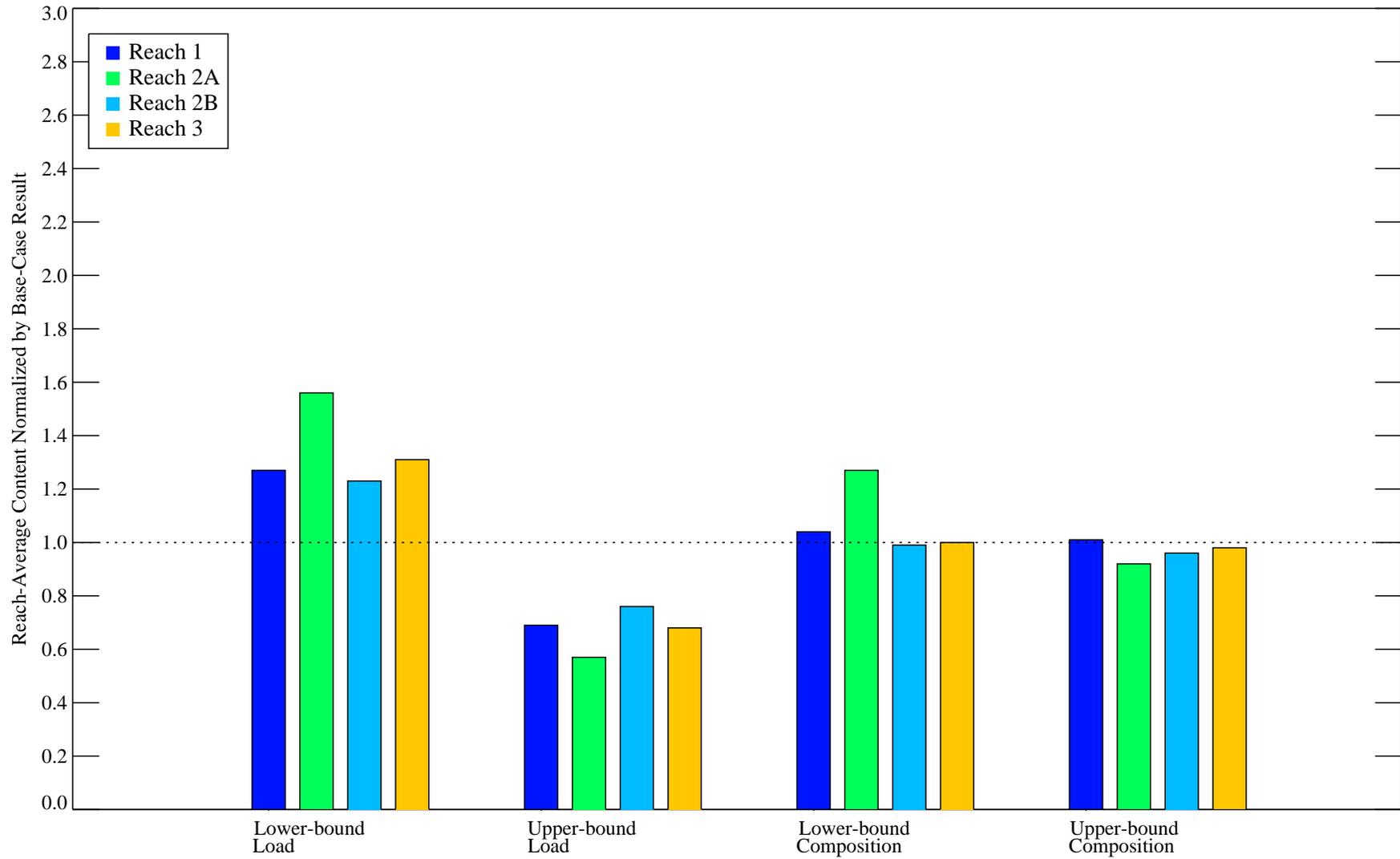


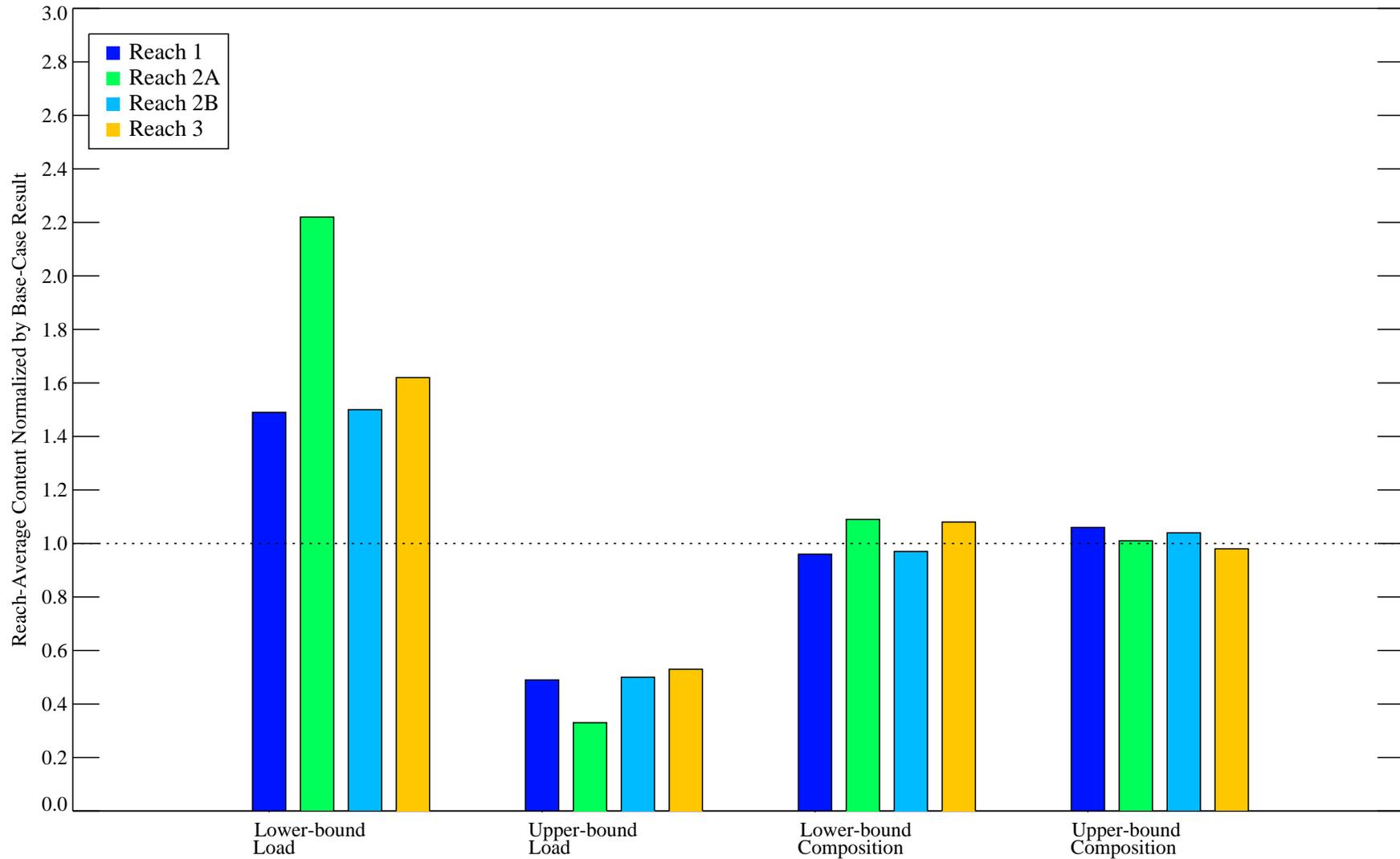
Figure 4-9. Relative proportions of bed-, upstream-, and lateral-source sediment in LDW mass balance components for 30-year period.



**Figure 4-10. Comparison of base-case and sensitivity results for 6-year period: lateral-source content sensitivity to changes in lateral load.**



**Figure 4-11. Comparison of base-case and sensitivity results for 6-year period: lateral-source content sensitivity to changes in upstream load.**



**Figure 4-12. Comparison of base-case and sensitivity results for 6-year period: bed-source content sensitivity to changes in upstream load.**