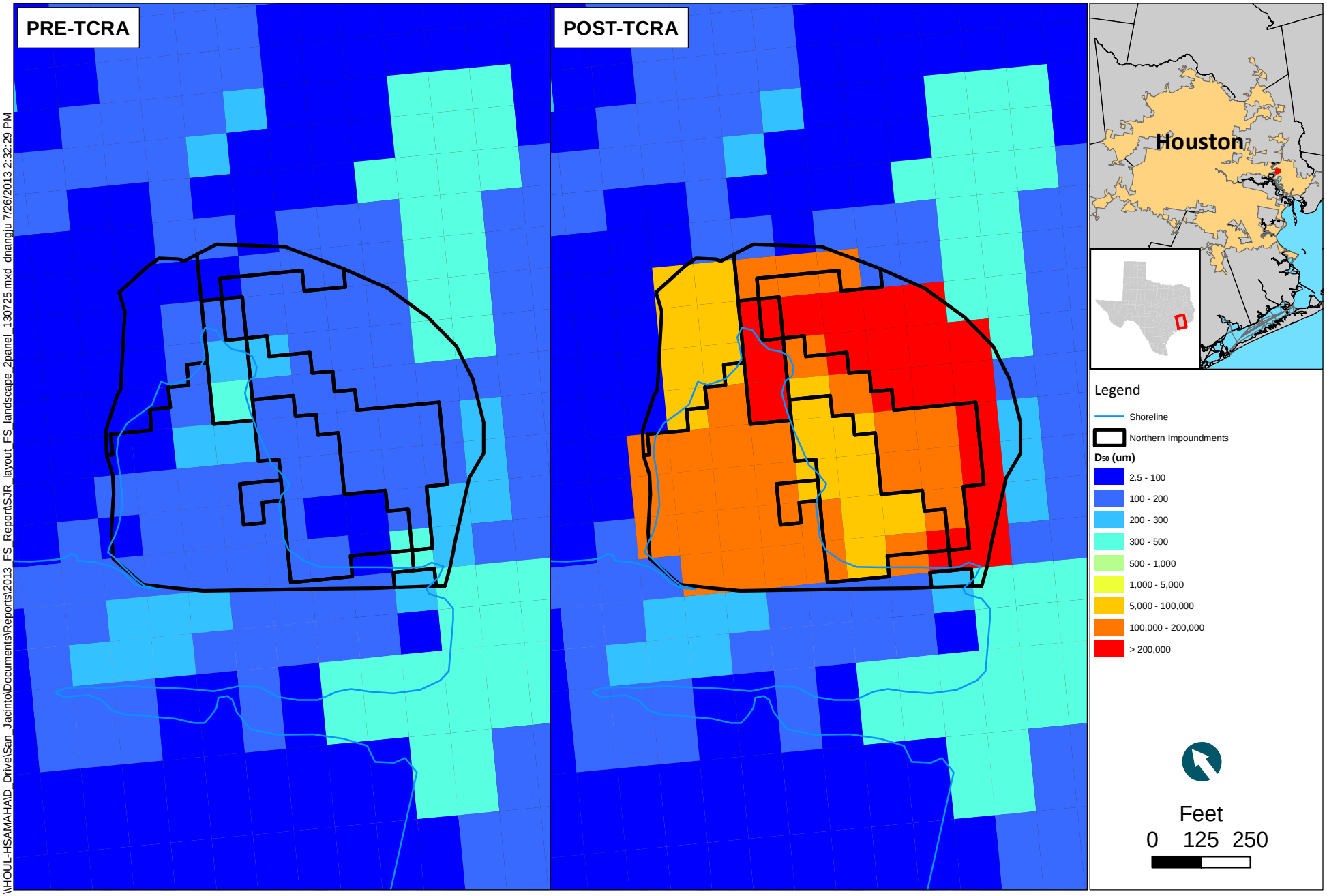
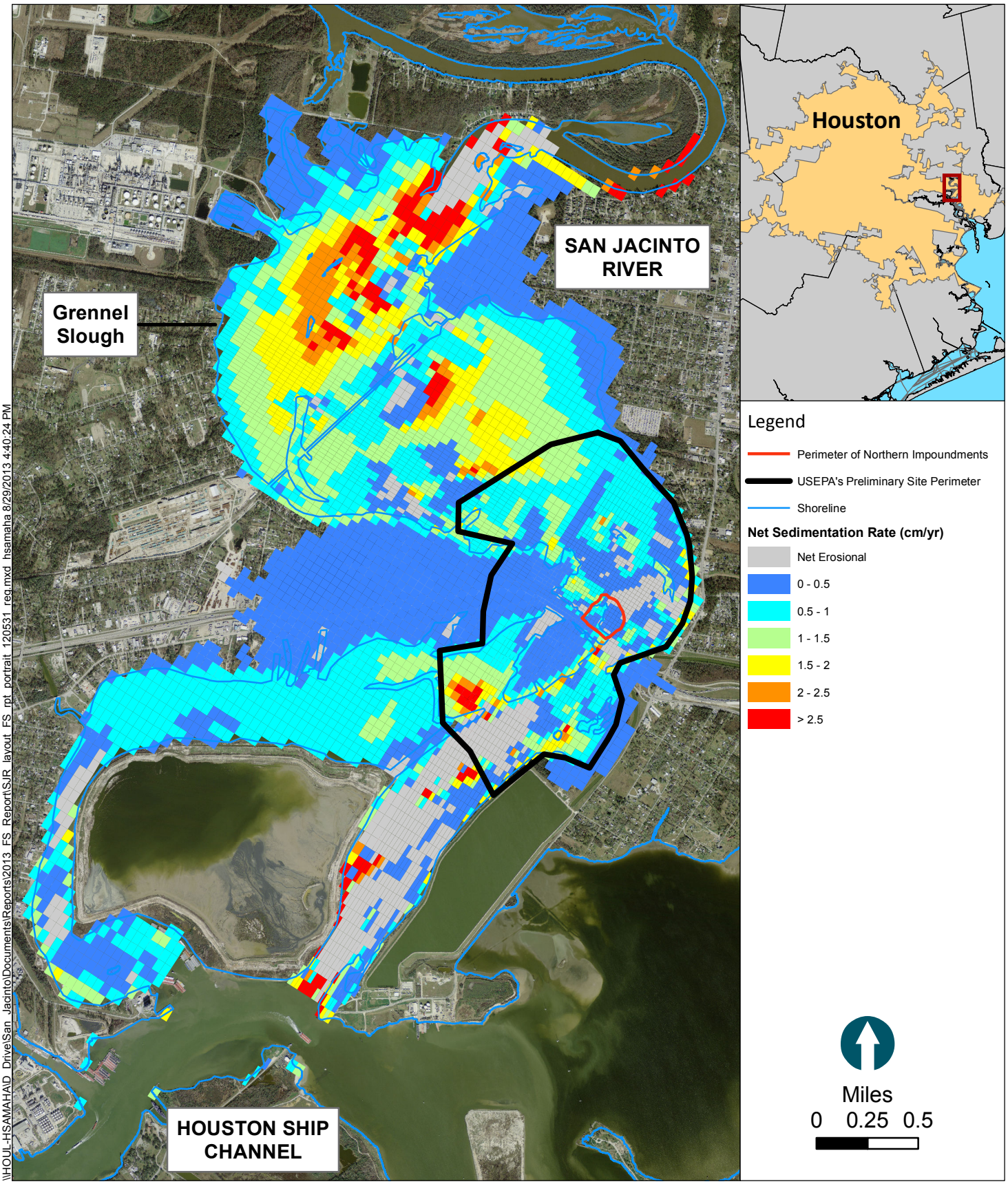


\\HOUL-HSAMAHAID_Drive\San_Jacinto\Documents\Reports\2013_FS_Report\SJR_layout_FS_landscape_2panel_130725.mxd dnangju 7/26/2013 2:32:29 PM

ANCHOR QEA

9678014

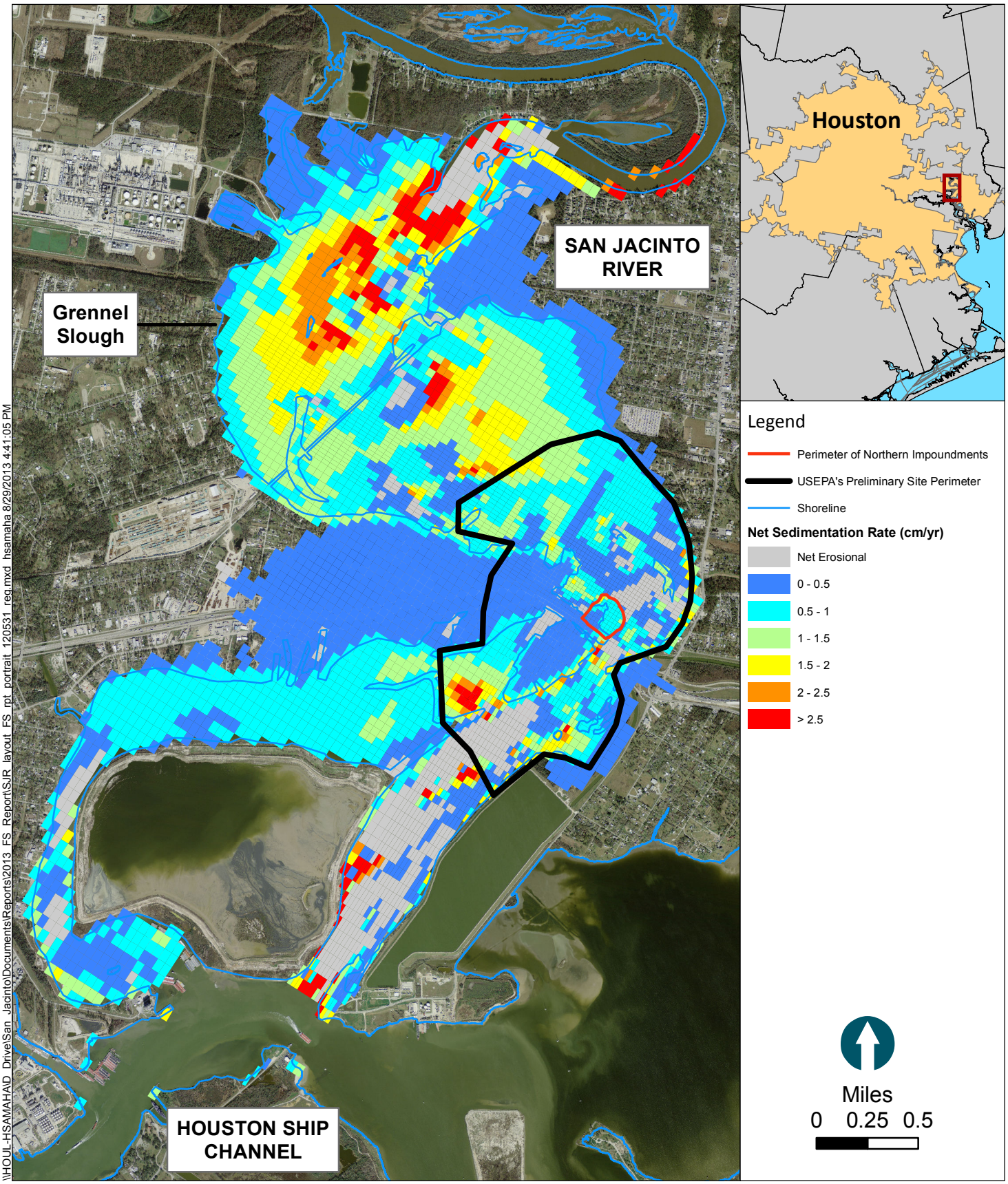
Figure 3-3
Comparison of D_{50} in the TCRA Site Used to Specify Initial Conditions: Pre- and Post-TCRA
Feasibility Study
San Jacinto River Waste Pits Superfund Site



\\HOUL-HSAMAHA\D_Drive\San_Jacinto\Documents\Reports\2013_FS_Report\SJR_layout_FS_rpt_portrait_120531_reg.mxd hsamaha 8/29/2013 4:40:24 PM

Figure 3-4
Spatial Distribution of Predicted Net Sedimentation Rate for 21-Year Period: Pre-TCRA Base Case Simulation
Feasibility Study
San Jacinto River Waste Pits Superfund Site

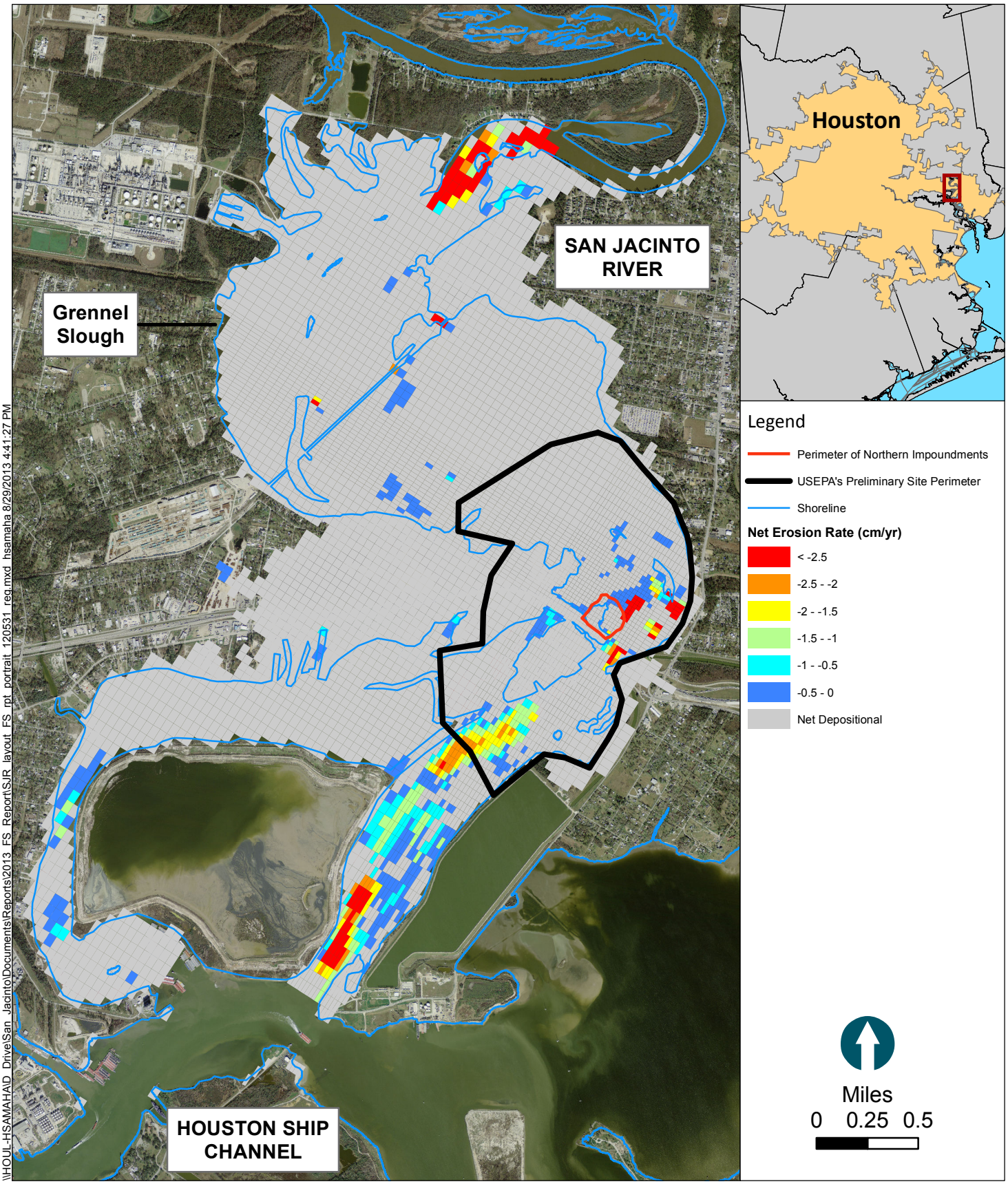
ANCHOR QEA



\\HOUL-HSAMAHA\D_Drive\San_Jacinto\Documents\Reports\2013_FS_Report\SJR_layout_FS_rpt_portrait_120531_reg.mxd hsamaha 8/29/2013 4:41:05 PM

Figure 3-5
Spatial Distribution of Predicted Net Sedimentation Rate for 21-Year Period: Post-TCRA Base Case Simulation
Feasibility Study
San Jacinto River Waste Pits Superfund Site

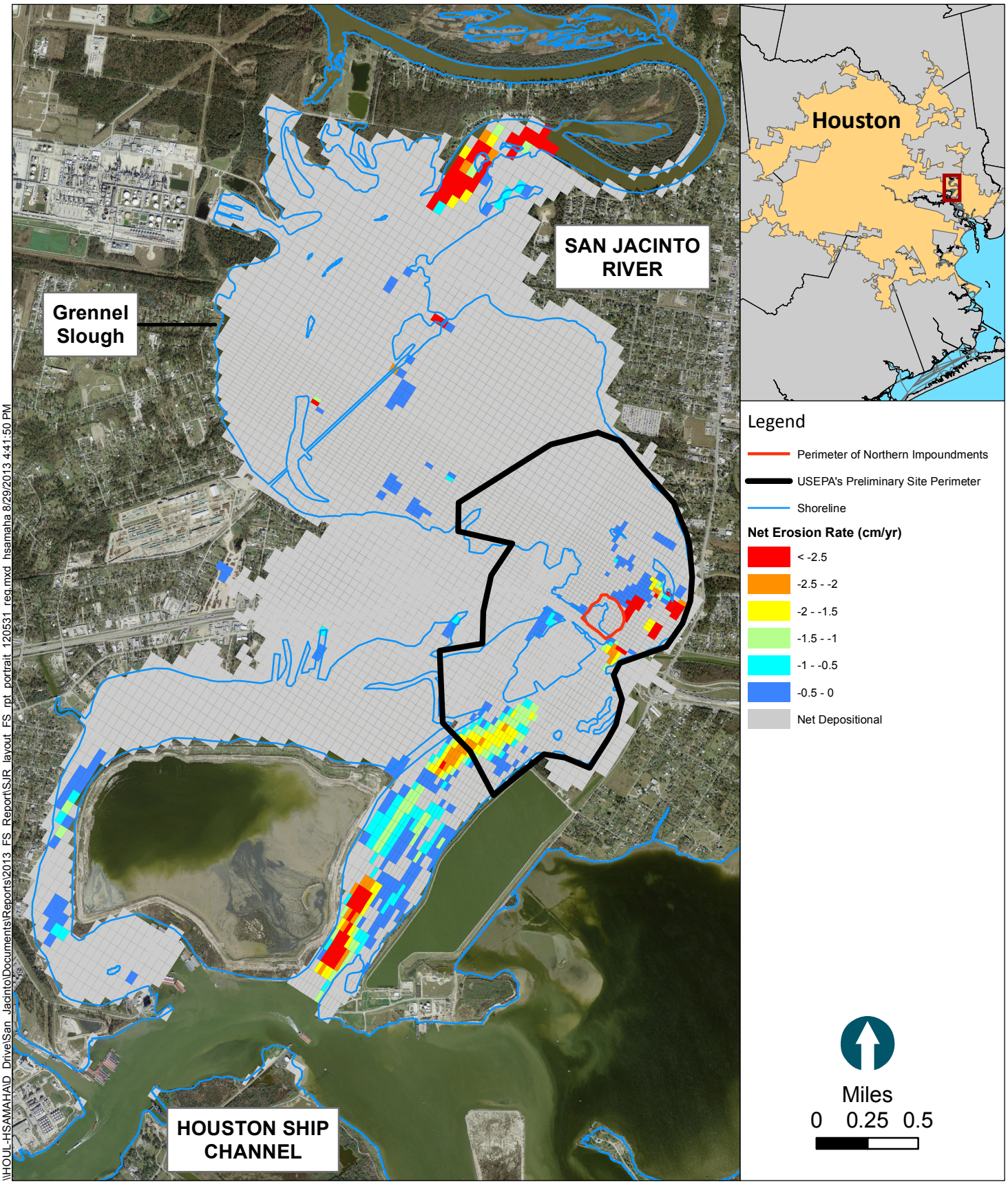
ANCHOR QEA



\\HOUL-HSAMAHA\D_Drive\San_Jacinto\Documents\Reports\2013_FS_Report\SJR_layout_FS_rpt_portrait_120531_reg.mxd hsamaha 8/29/2013 4:41:27 PM

Figure 3-6
Spatial Distribution of Predicted Net Erosion Rate for 21-Year Period: Pre-TCRA Base Case Simulation
Feasibility Study
San Jacinto River Waste Pits Superfund Site

ANCHOR QEA



\\HOUL-HSAMAHA\D_Drive\San_Jacinto\Documents\Reports\2013_FS_Report\SJR_layout_FS_rpt_portrait_120531_reg.mxd hsamaha 8/29/2013 4:41:50 PM

Figure 3-7
Spatial Distribution of Predicted Net Erosion Rate for 21-Year Period: Post-TCRA Base Case Simulation
Feasibility Study
San Jacinto River Waste Pits Superfund Site

ANCHOR QEA

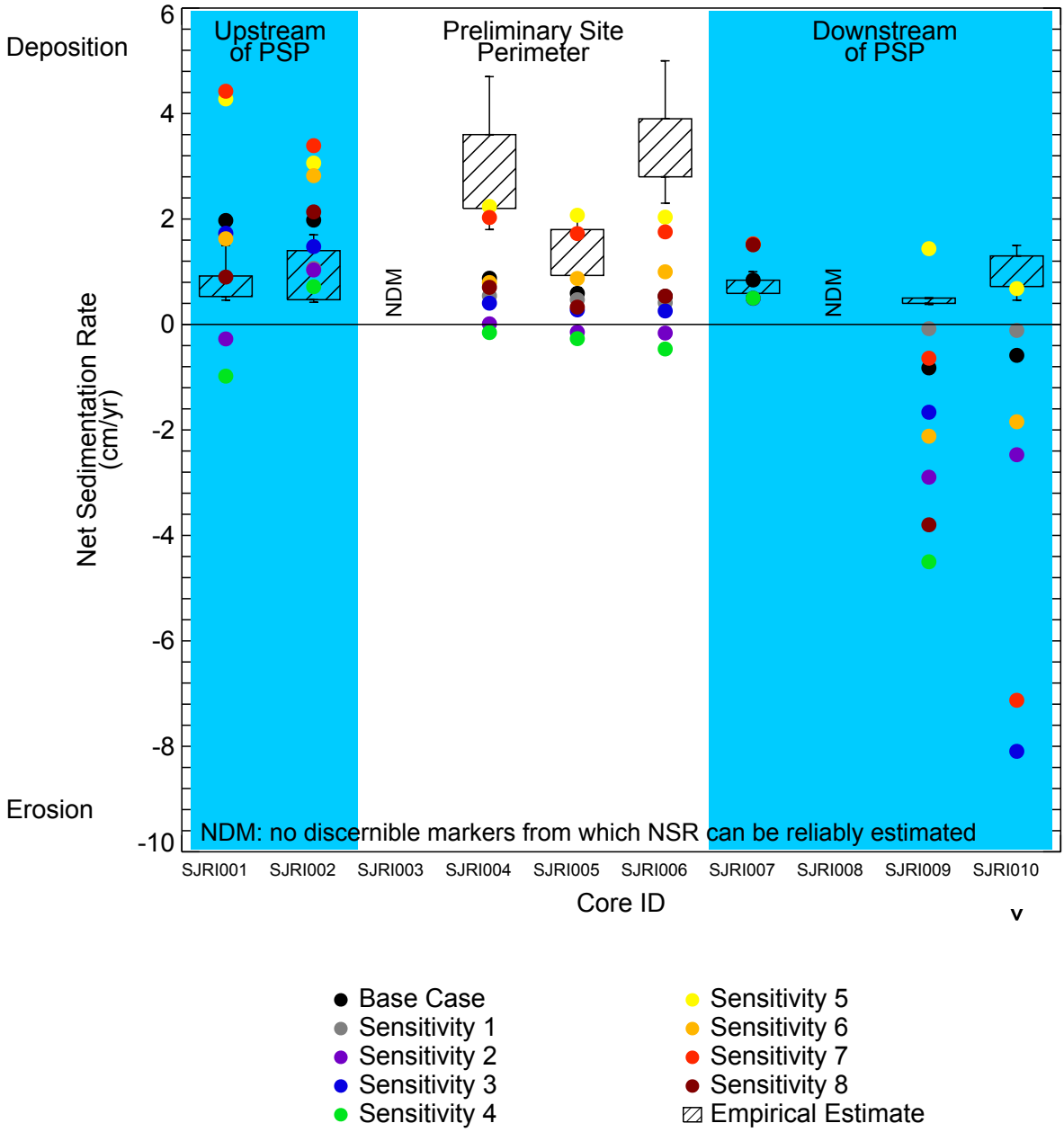


Figure 3-8

Comparison of Empirically Estimated and Predicted Net Sedimentation Rates for 21-Year Period: Post-TCRA Conditions
Feasibility Study
San Jacinto River Waste Pits Superfund Site

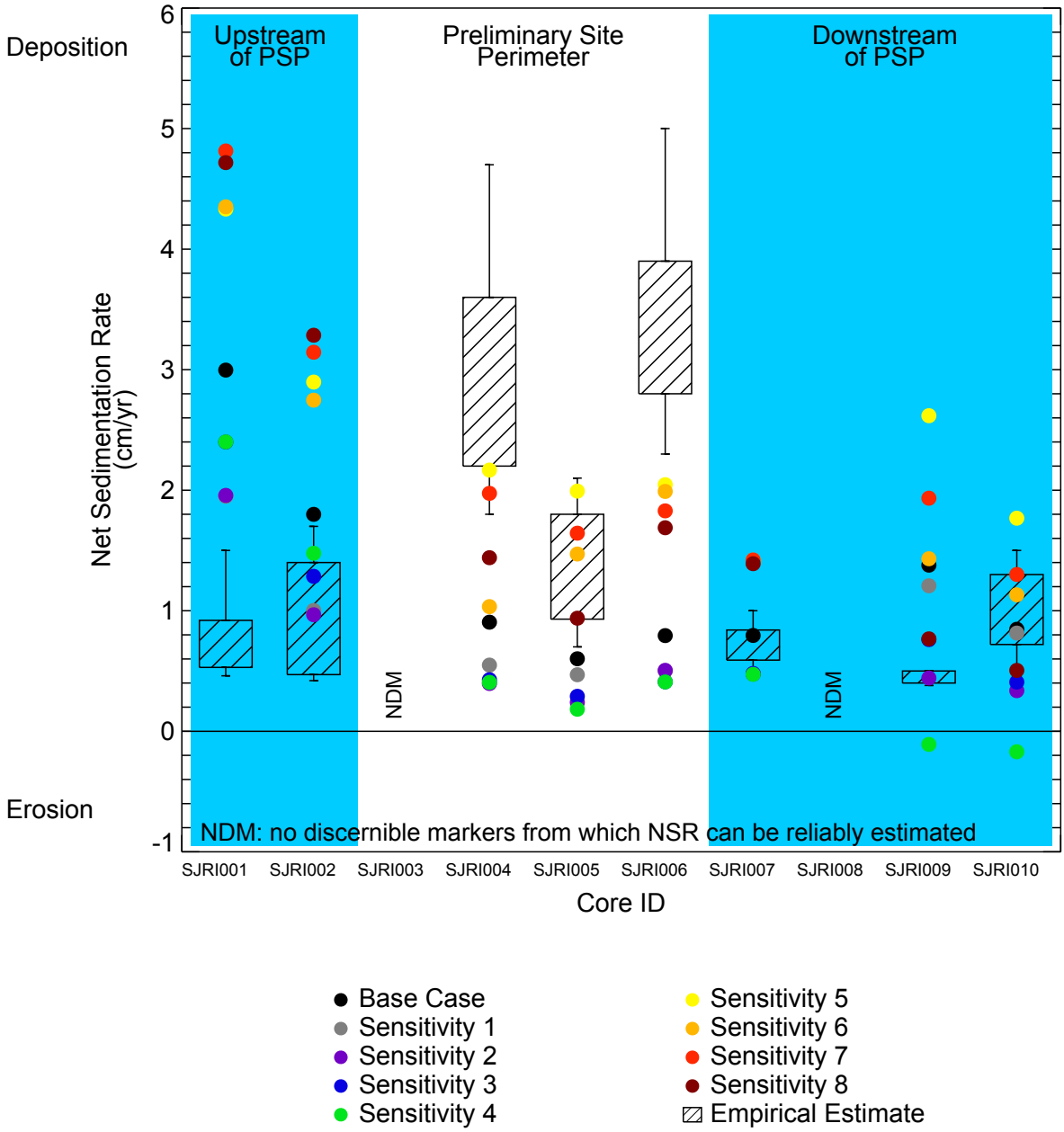


Figure 3-9

Comparison of Empirically Estimated and Predicted Net Sedimentation Rates for 16-Year Period: Post-TCRA Conditions
Feasibility Study
San Jacinto River Waste Pits Superfund Site

ANCHOR QEA

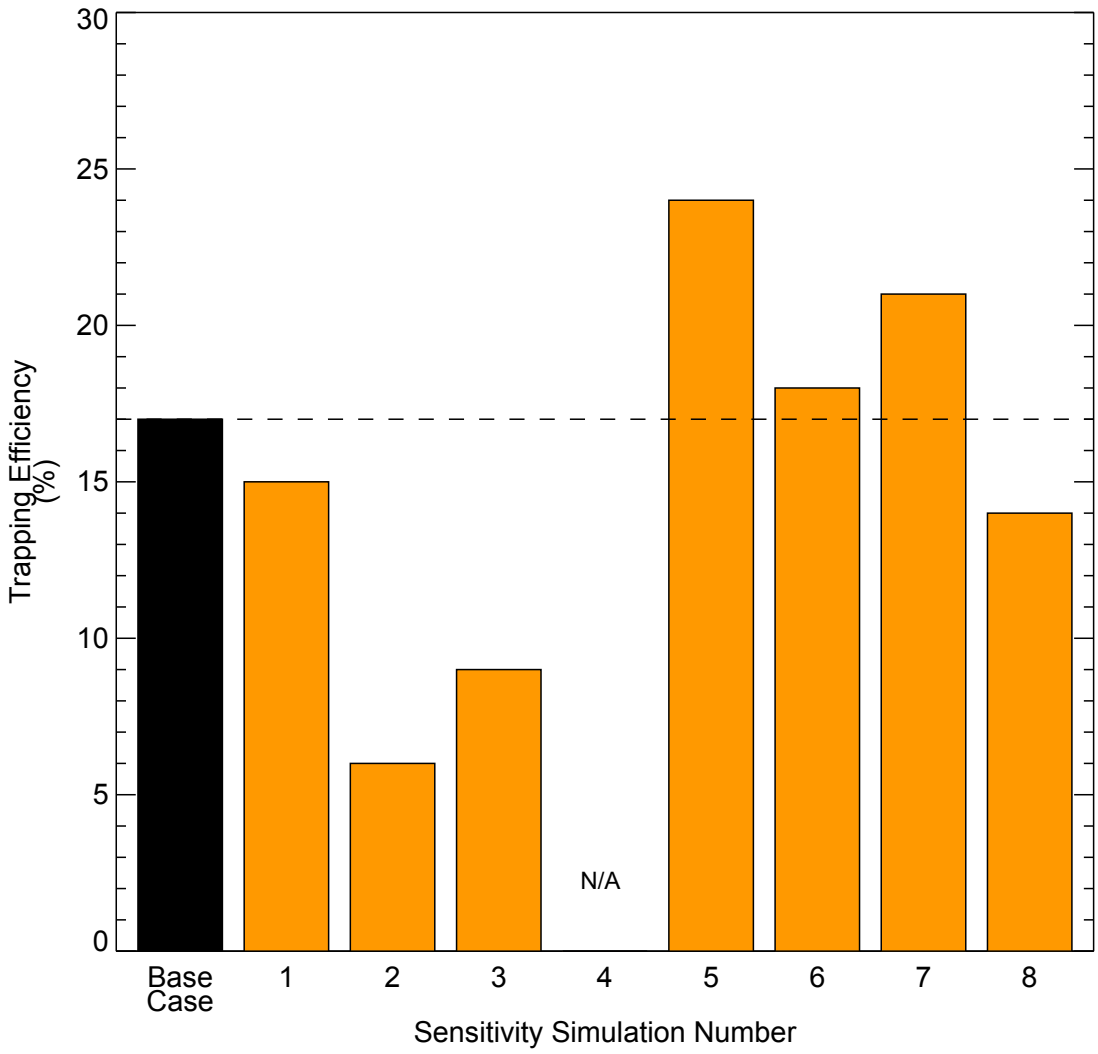


Figure 3-10

Comparison of Trapping Efficiency for Post-TCRA Sensitivity Simulations: Model Study Area
Feasibility Study
San Jacinto River Waste Pits Superfund Site

N/A: trapping efficiency could not be calculated because simulation was net erosional

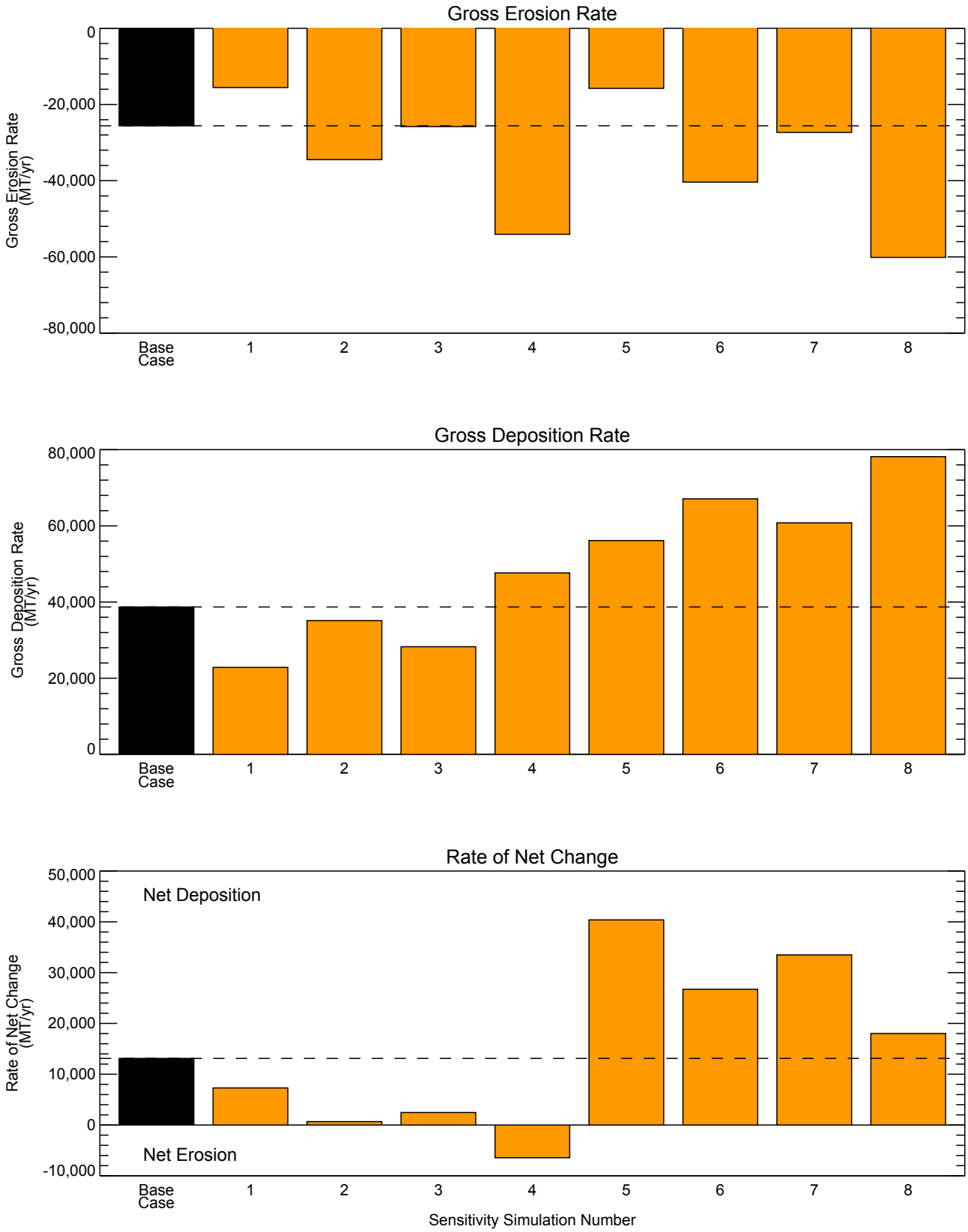
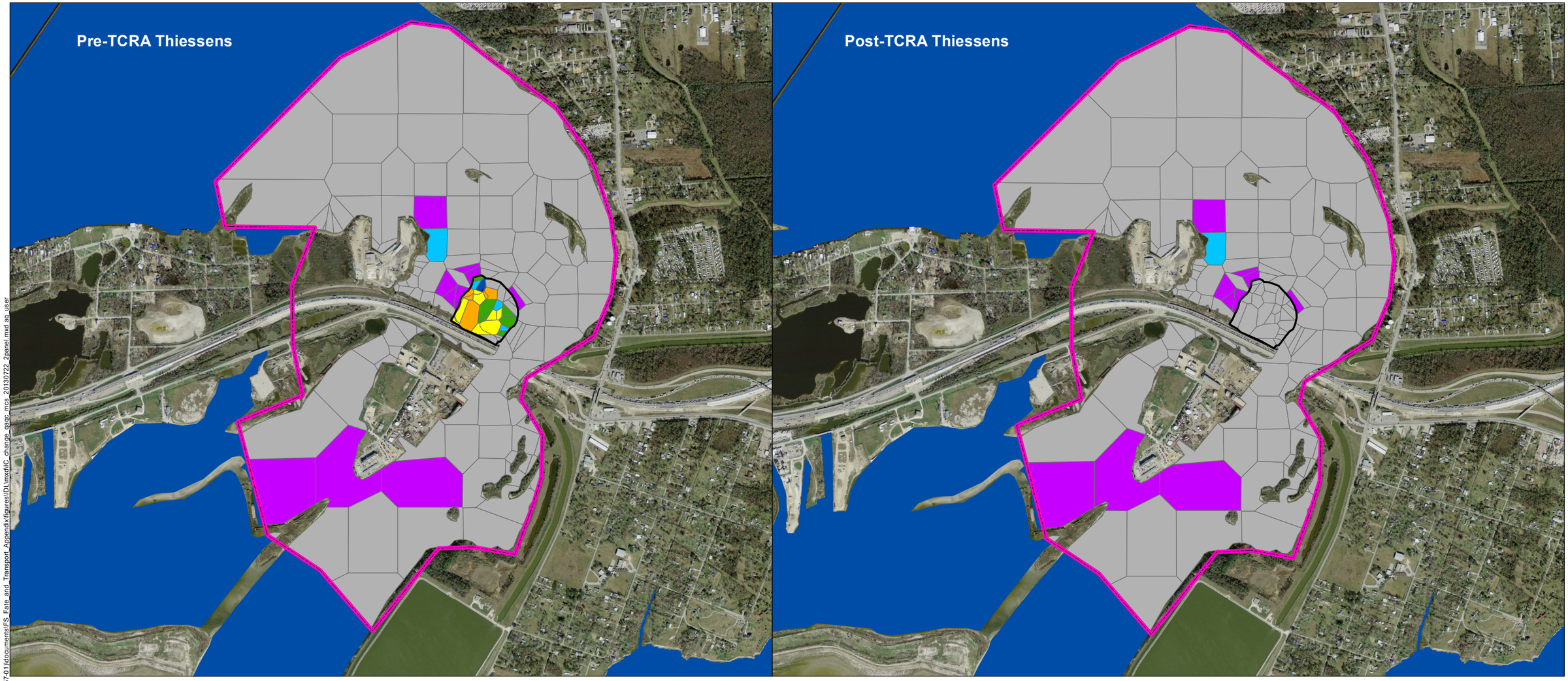


Figure 3-11

Comparison of Gross Erosion Rate, Gross Deposition Rate, and Rate of Net Change for Post-TCRA Sensitivity Simulations: USEPA's Preliminary Site Perimeter Feasibility Study
San Jacinto River Waste Pits Superfund Site

ANCHOR QEA

DRAFT



LEGEND

Perimeter of Northern Impoundments

USEPA's Preliminary Site Perimeter

TCDD Surface Sediment Concentration (ng/kg)

- < 30
- 30 - 100
- 100 - 300
- 300 - 1000
- 1000 - 3000
- 3000 - 10000
- > 10000
- Channel

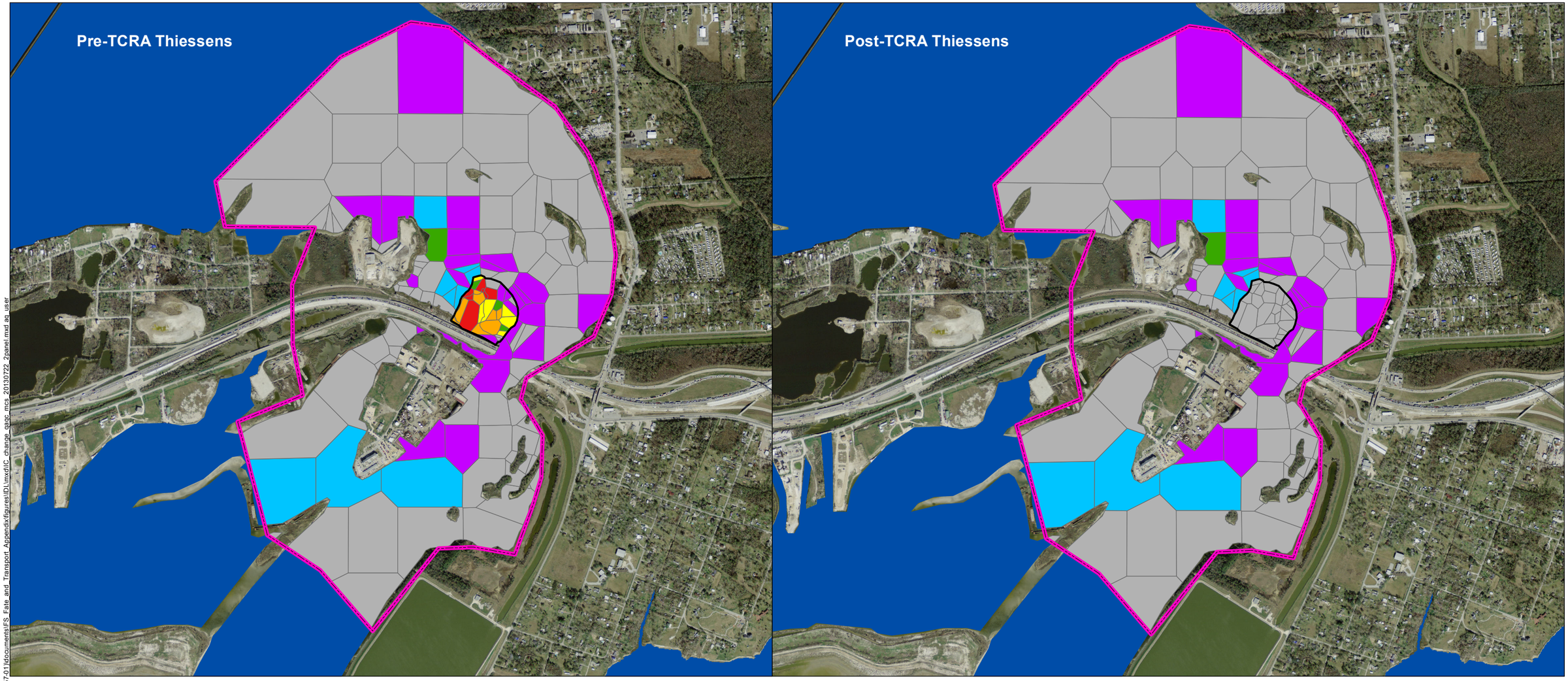
NOTES:
Orthoimagery presented herein are enhanced 50-cm (0.5-meter) Digital Orthophoto Quarter-Quads (DOQQs) images from the 2008 USDA-FSA National Agriculture Imagery Program (NAIP) and 2009 Texas Orthoimagery Program (TOP) aerial imagery acquisitions.

0 0.5 1 Miles

Path: \\hetros\D_Drive\Projects\MIMC\San_Jacinto_RI\FS\090557-01\documents\FS_Fate_and_Transport_Appendix\figures\ID\Lmxd\IC_change_qasc_mcs_20130722_2panel.mxd aq_user

ANCHOR QEA

Figure 3-12a
Surface Sediment Thiessen Polygons Used for Fate Model Initial Conditions (TCDD)
Feasibility Study
San Jacinto River Waste Pits Superfund Site



LEGEND

Perimeter of Northern Impoundments

USEPA's Preliminary Site Perimeter

TCDF Surface Sediment Concentration (ng/kg)

- < 30
- 30 - 100
- 100 - 300
- 300 - 1000
- 1000 - 3000
- 3000 - 10000
- > 10000
- Channel

NOTES:
Orthoimagery presented herein are enhanced 50-cm (0.5-meter) Digital Orthophoto Quarter-Quads (DOQQs) images from the 2008 USDA-FSA National Agriculture Imagery Program (NAIP) and 2009 Texas Orthoimagery Program (TOP) aerial imagery acquisitions.

0 0.5 1 Miles

Path: \\hefos\D_Drive\Projects\M\MC\San_Jacinto_RI\FS\090557-01\documents\FS_Fate_and_Transport_Appendix\figures\ID\Lmxd\IC_change_qasc_mcs_20130722_2panel.mxd aq_user

ANCHOR QEA

Figure 3-12b
Surface Sediment Thiessen Polygons Used for Fate Model Initial Conditions (TCDF)
Feasibility Study
San Jacinto River Waste Pits Superfund Site