

Tijuana Estuary Fate and Transport Study (TEFATS)



October 22, 2009

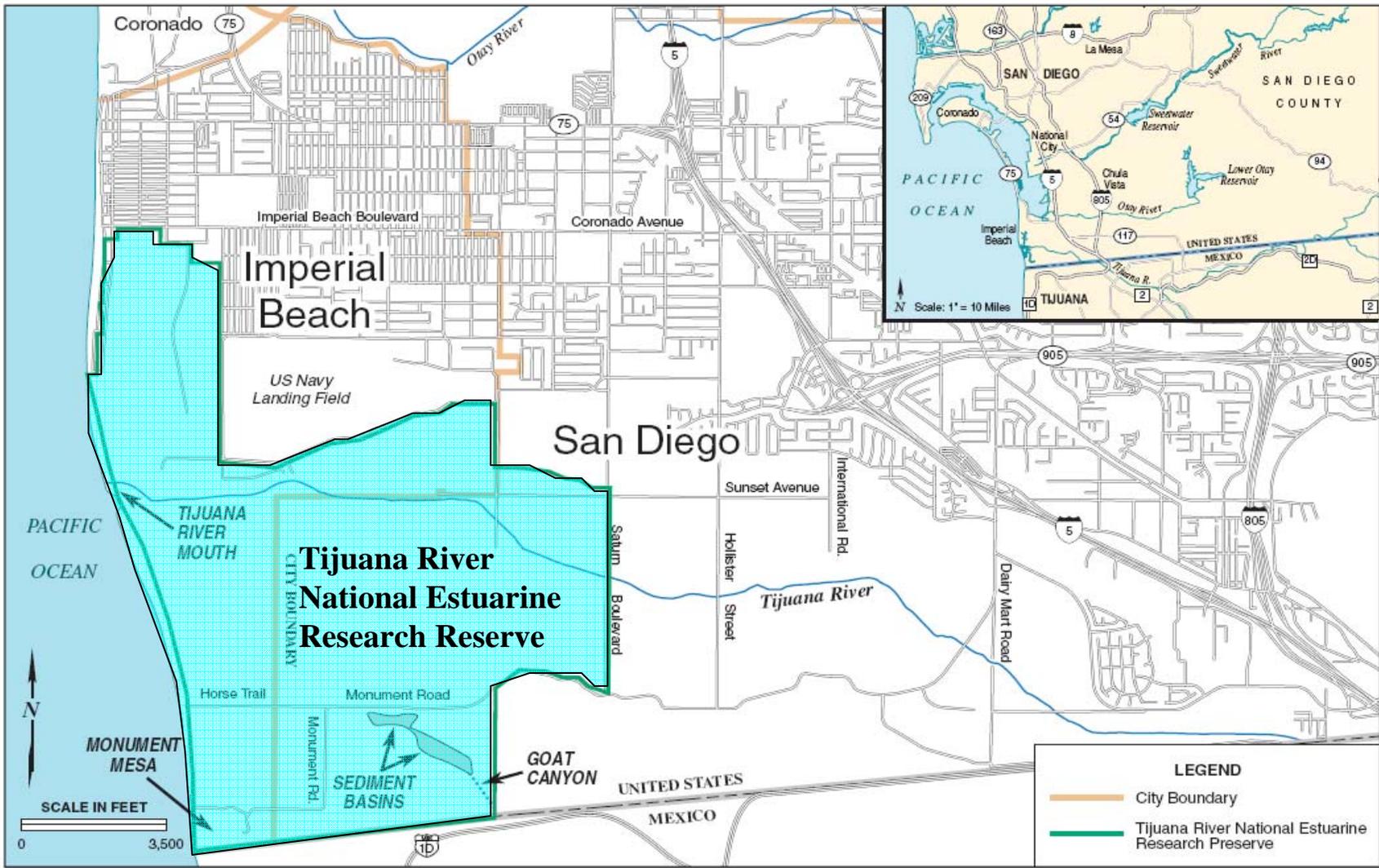
Clay Phillips, Manager

Tijuana River National Estuarine Research Reserve



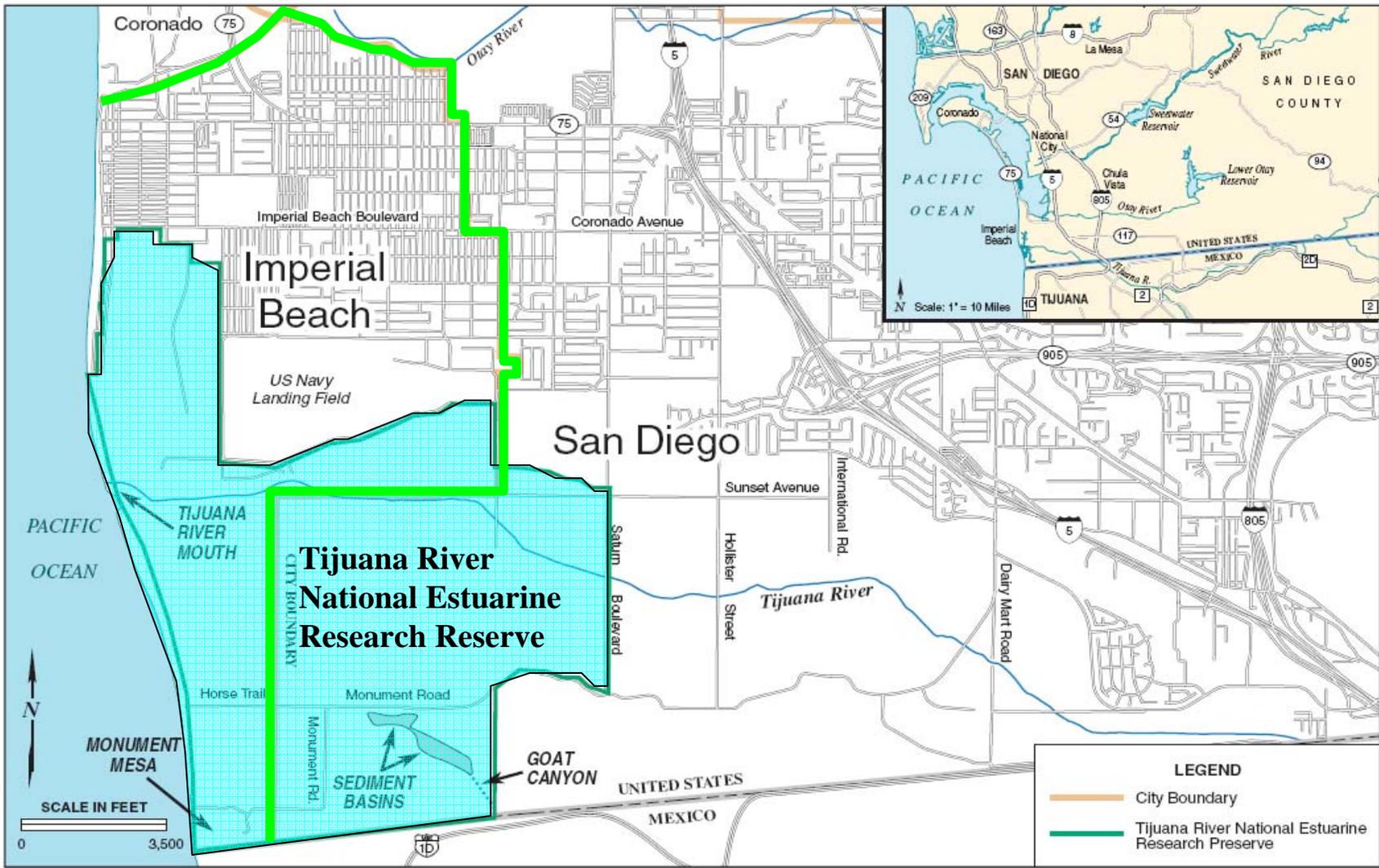
Project Vicinity
Tijuana River Estuary

**FIGURE
2-1**



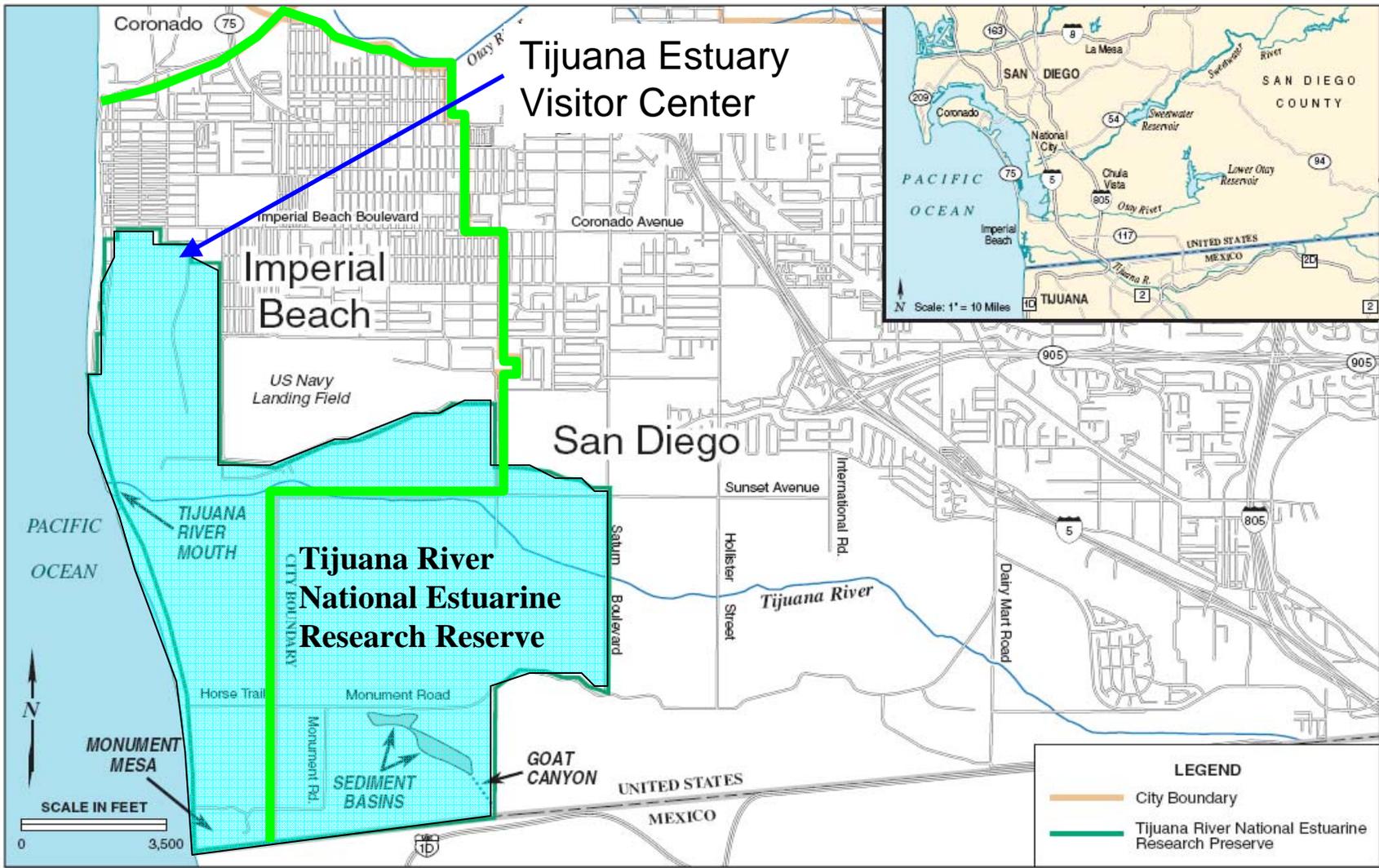
Project Vicinity
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**FIGURE
2-1**



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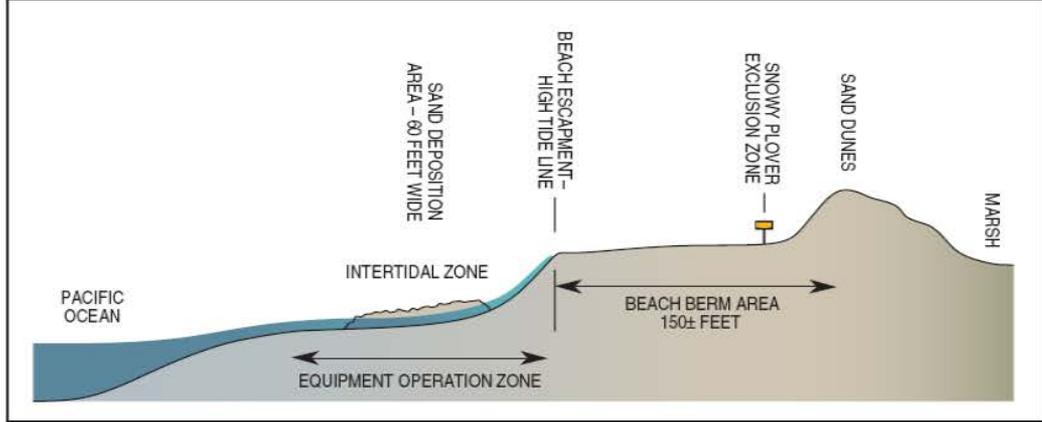
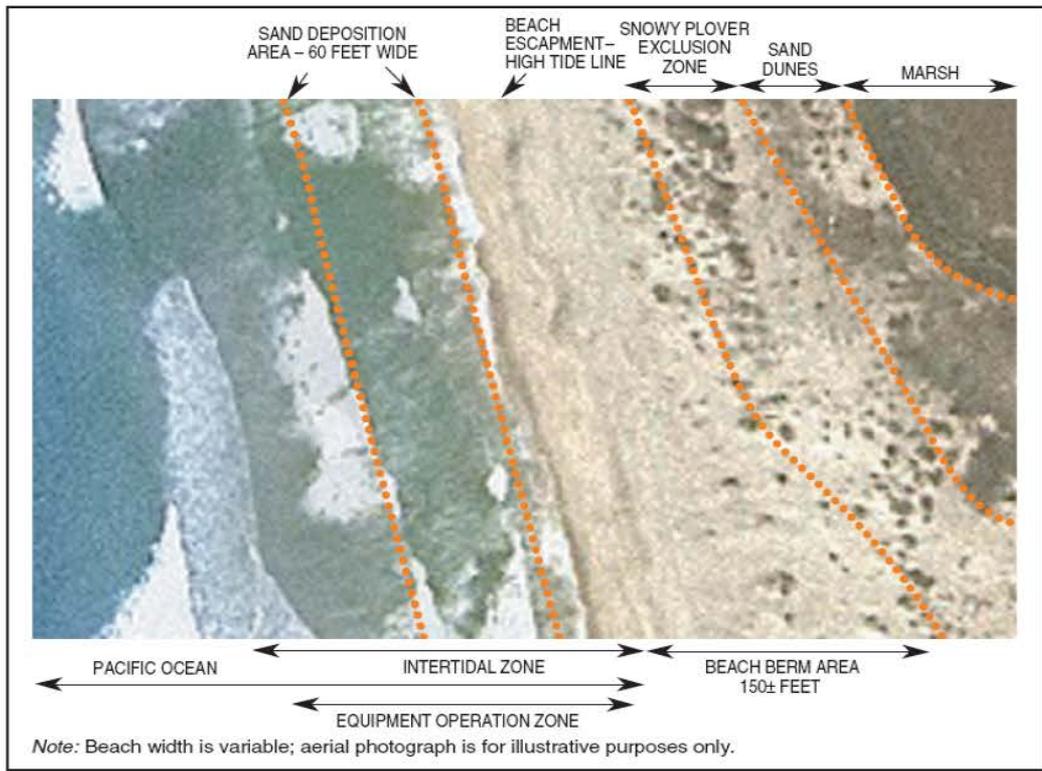
Purpose of Sediment Study

- Provide scientific data regarding the fate and transport of fine-grained sediment within the Silver Strand littoral cell (coastline from San Diego Bay south into Mexico)
- Provide an environmentally sound and economical approach toward restoration activities within the TRNERR
- Incidental beach nourishment benefits for Border Field State Beach



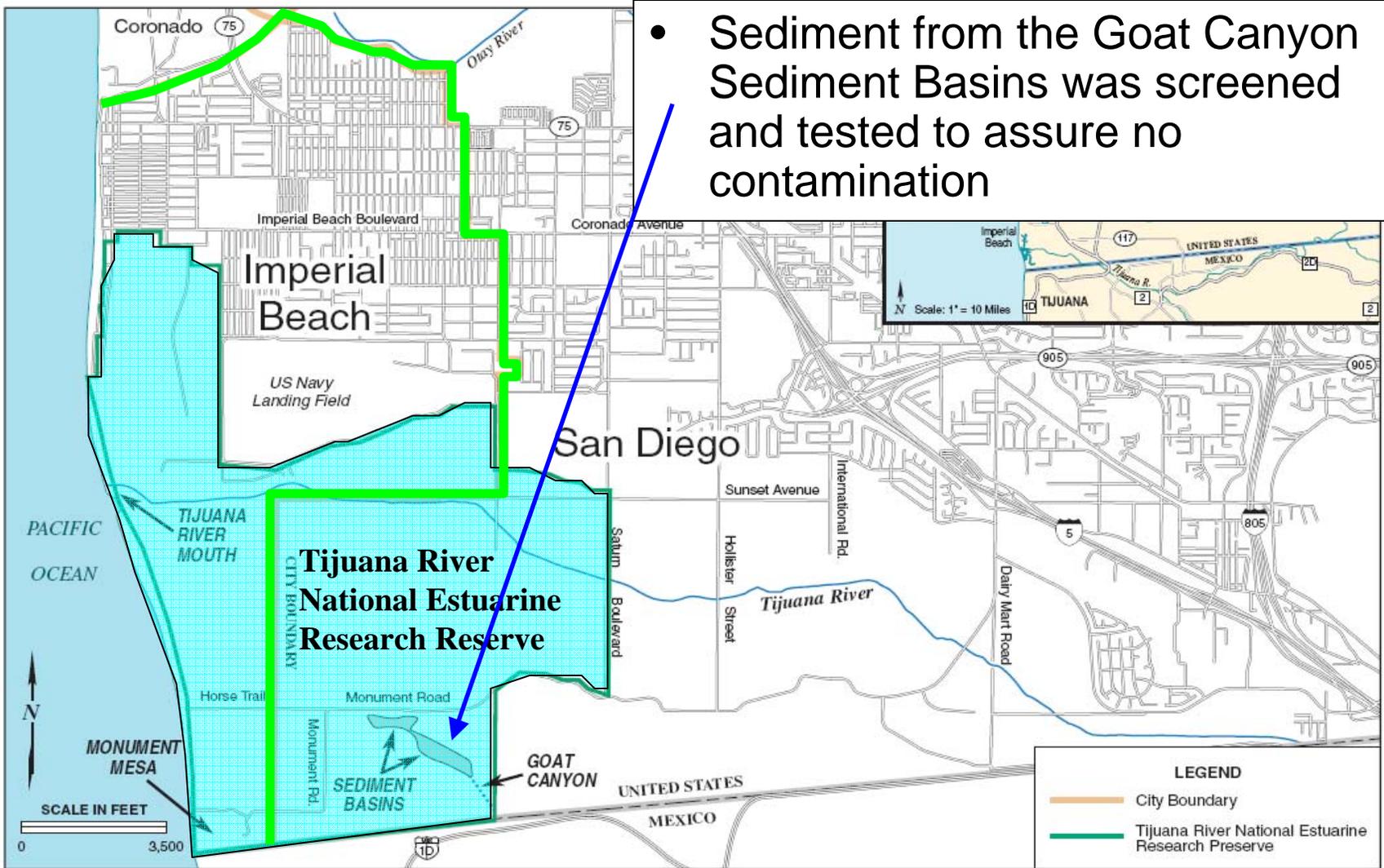
Greater Project Area
Tijuana River Estuary

**FIGURE
2-3**



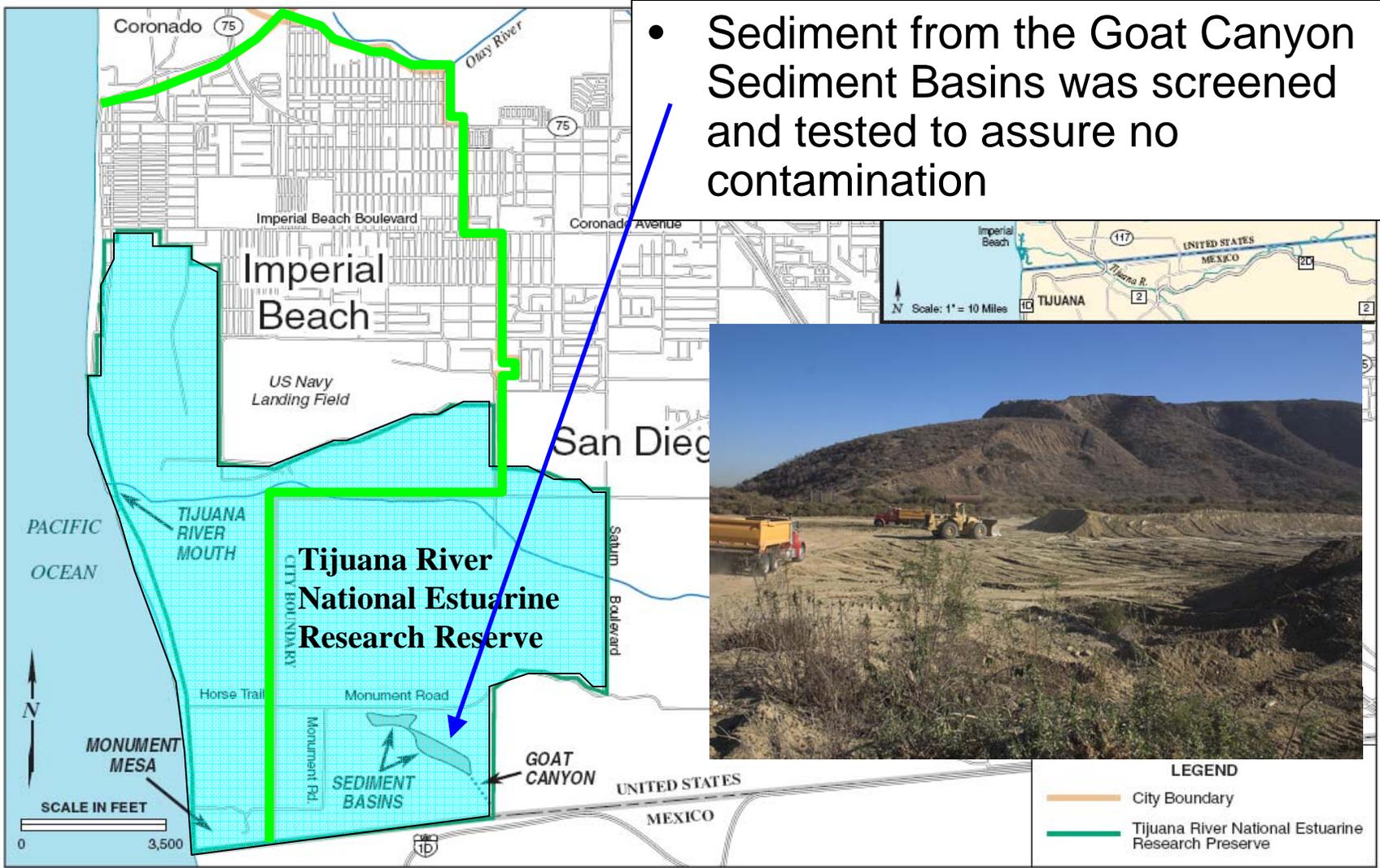
Schematic of Proposed Beach Work Zone
Tijuana River Estuary

FIGURE
2-4



Project Vicinity
Tijuana River Estuary

**FIGURE
2-1**

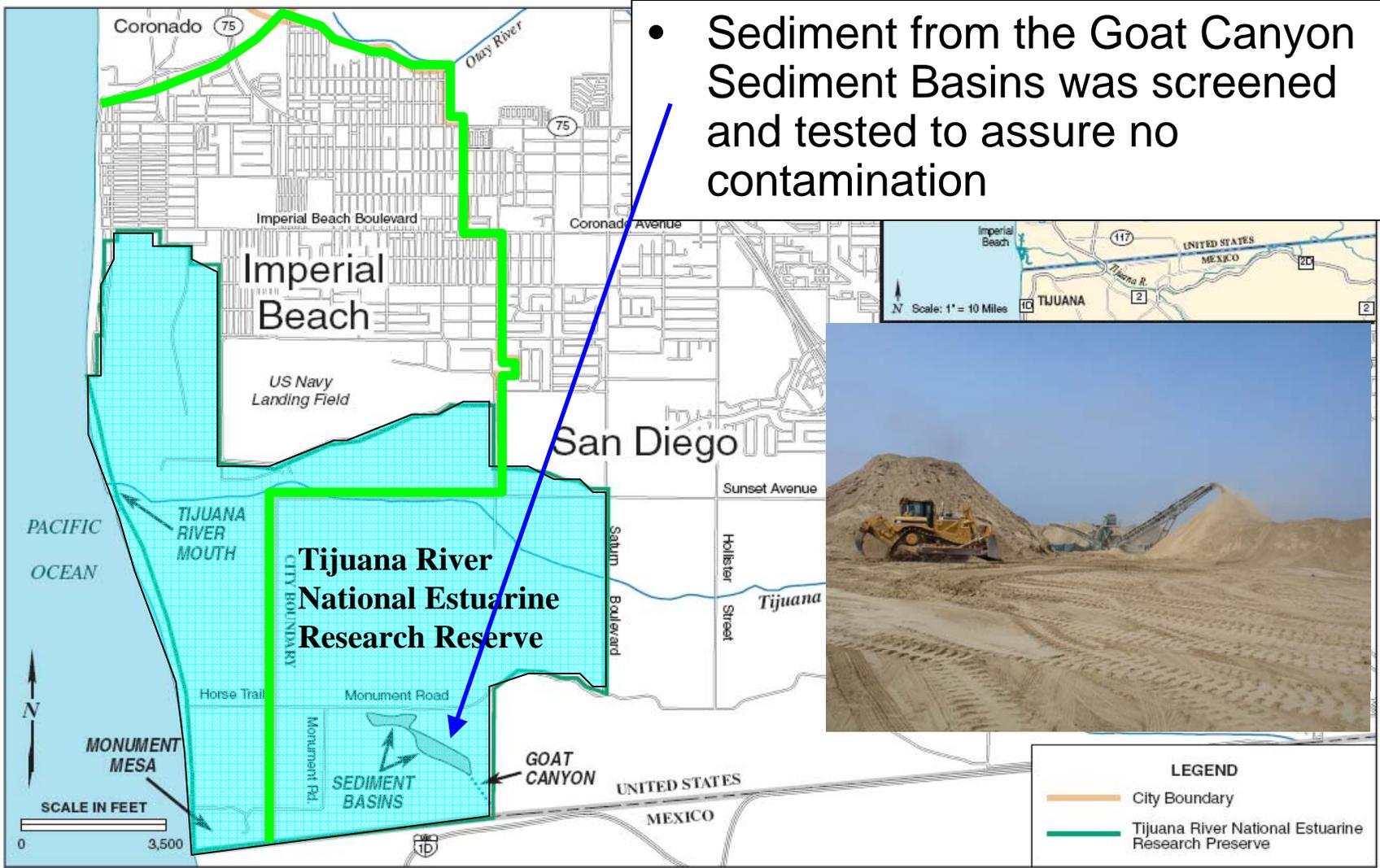


- Sediment from the Goat Canyon Sediment Basins was screened and tested to assure no contamination



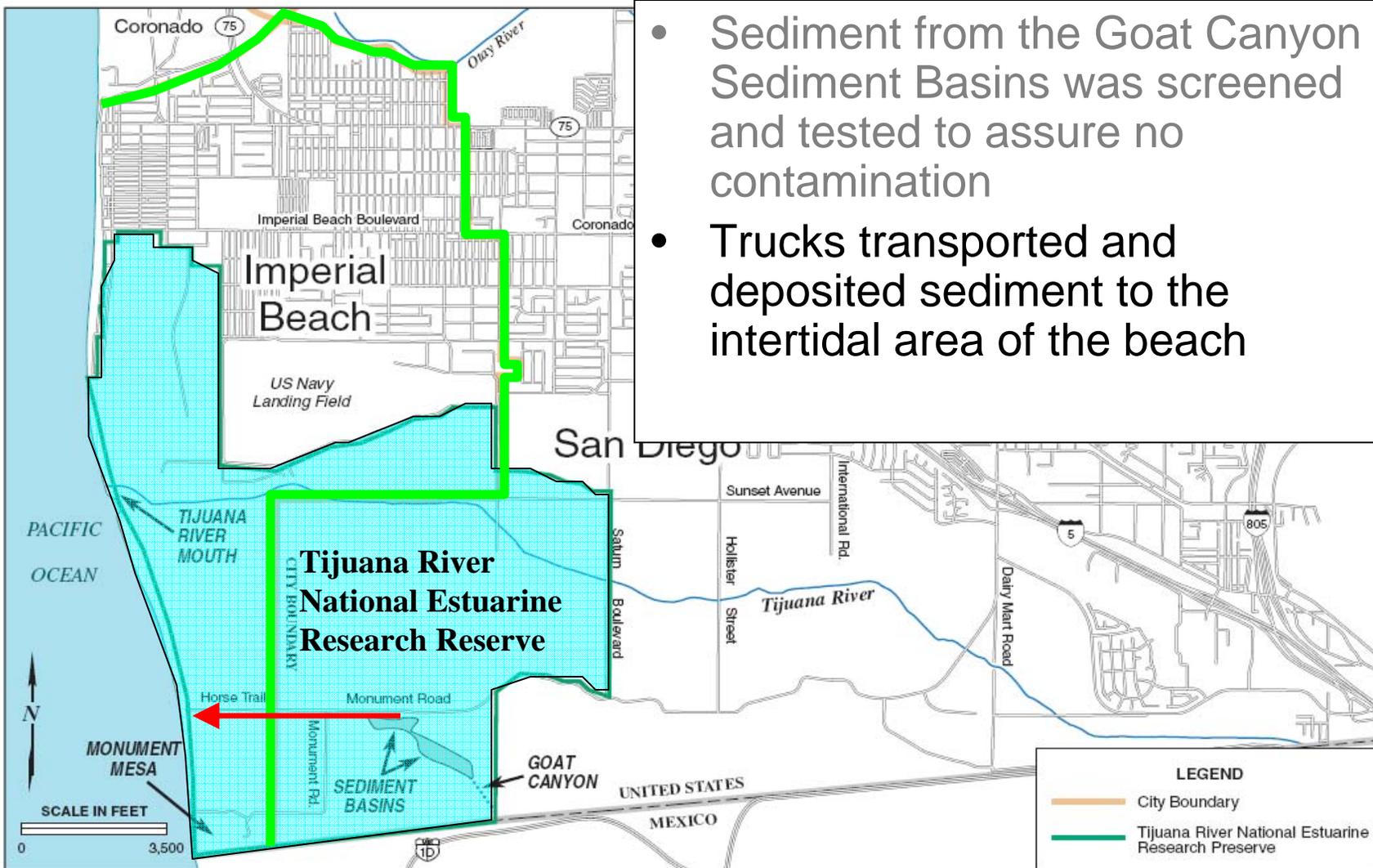
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Tijuana River Estuary

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2-1**

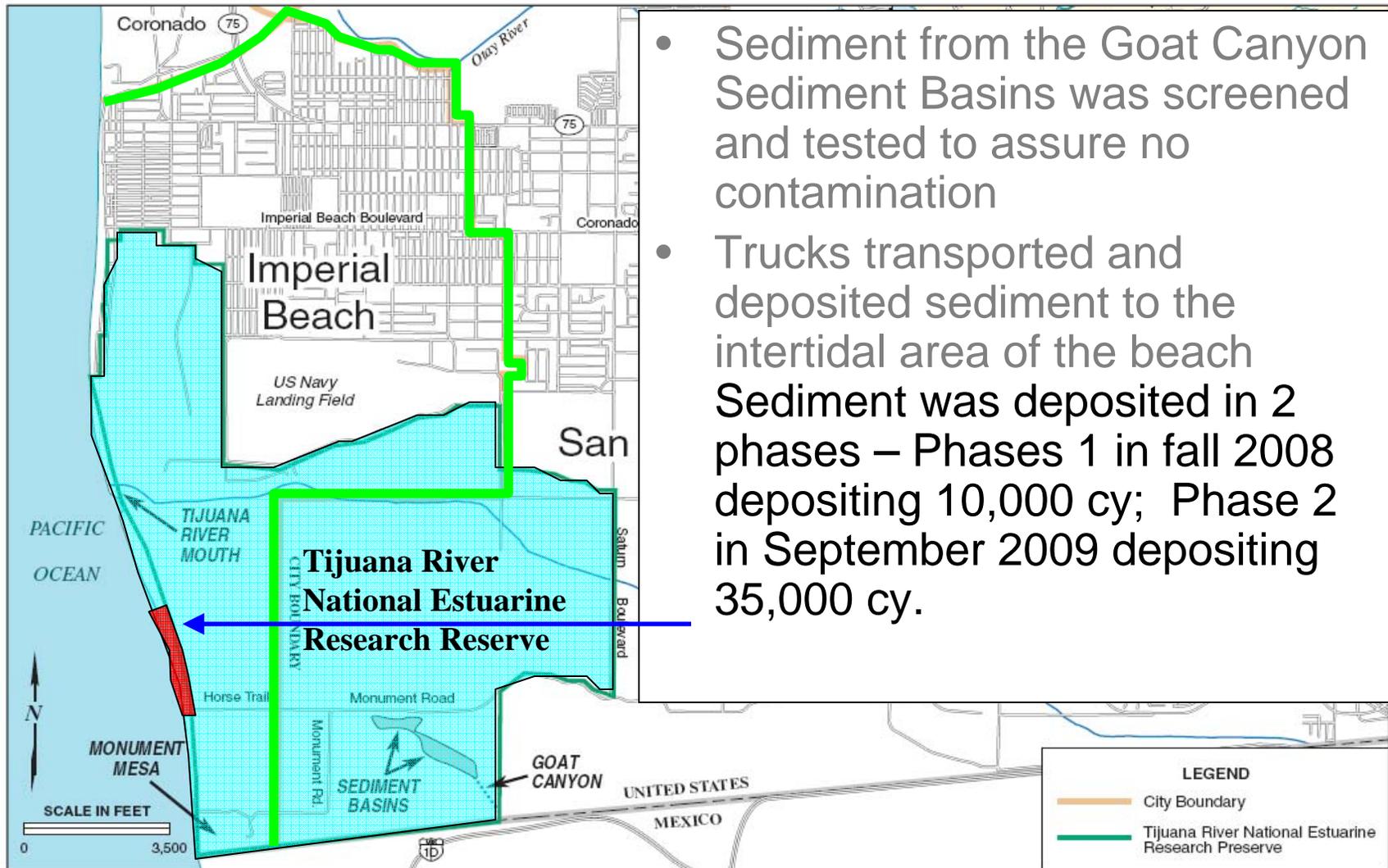


- Sediment from the Goat Canyon Sediment Basins was screened and tested to assure no contamination
- Trucks transported and deposited sediment to the intertidal area of the beach



Project Vicinity
Tijuana River Estuary

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2-1**



- Sediment from the Goat Canyon Sediment Basins was screened and tested to assure no contamination
- Trucks transported and deposited sediment to the intertidal area of the beach
 Sediment was deposited in 2 phases – Phases 1 in fall 2008 depositing 10,000 cy; Phase 2 in September 2009 depositing 35,000 cy.

