

Mitigation for the Upgrade to the South Bay International Wastewater Treatment Plant A Status Update



International Boundary and Water Commission
United States Section

USIBWC Citizens Forum
November 17, 2011, 6 - 8 p.m.

Conducted by:
URS Corporation
Southwest Wetlands Interpretive Association



Purpose

Implement mitigation to offset loss of raptor foraging habitat from upgrades to the SBIWWTP



Scope of Work

- Task 1 – Clean-Out of the Goat Canyon Sedimentation Basins (GCSB)
- Task 2 – Five Acre Habitat Restoration



Site Locations

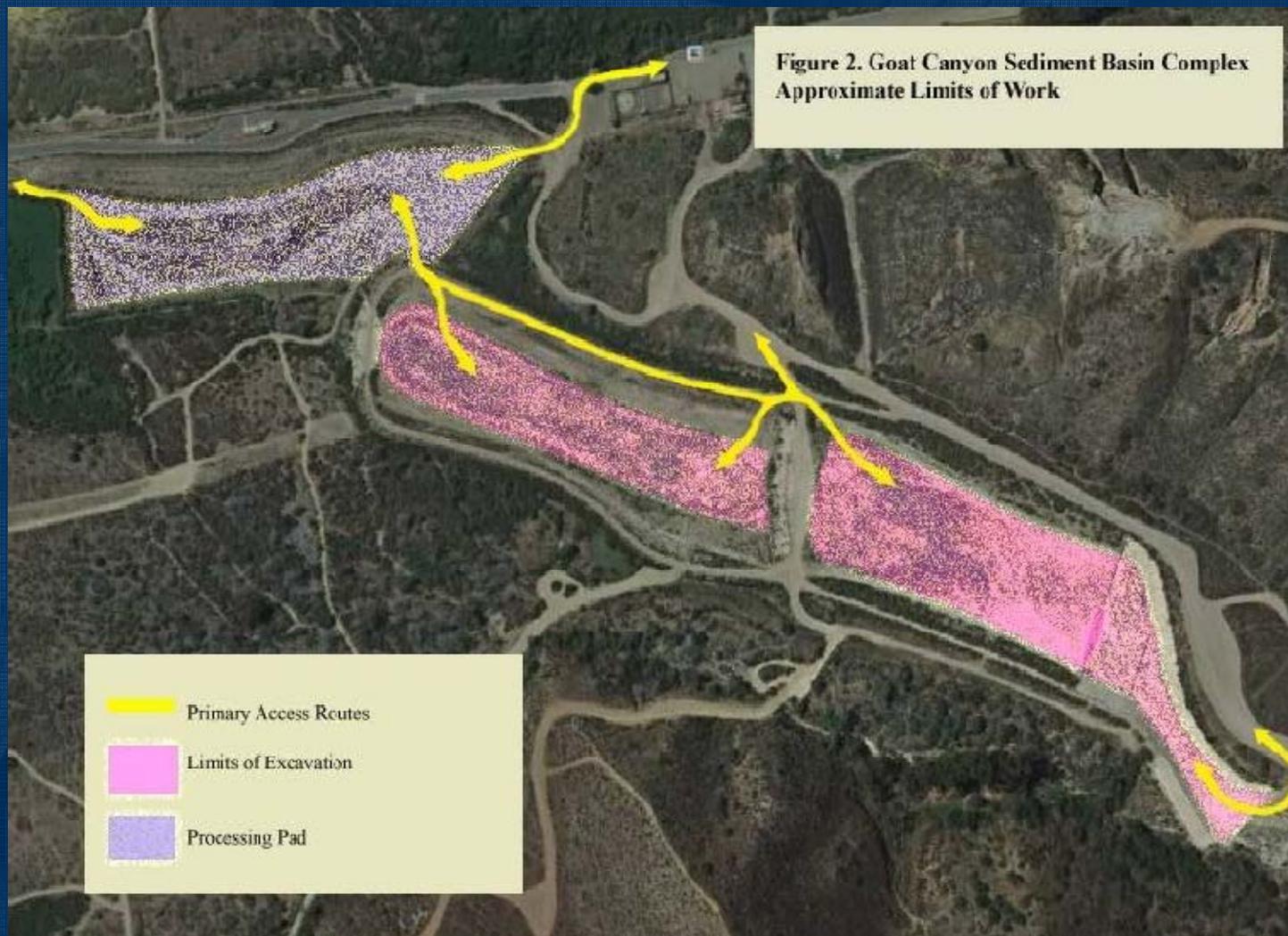
- Site 1:
GCSB
- Site 2:
Five Acre
Habitat
Restoration



Task 1 - Cleanout of GCSB



GCSB – General Arrangement



GCSB – Scope of Work

- Initial survey for comparison and calculation of final excavation volume
- Unhook trash booms
- Remove solid waste from surface and dispose
- Remove and stage Waste Tires from surface and during excavation
- Excavate Deposition Materials to original design grade and stage at Processing Pad
- Survey for completion and reinstate site

GCSB – Project Team

URS

URS Group – General Contractor



AMAN Construction –
Excavation Contractor

(Wholly owned subsidiary of URS)

NV5

Nolte Vertical 5 –
Licensed Land Surveyor

GCSB - Typical Excavation

Lower Basin



Upper Basin



GCSB – Equipment Used

- 1-LinkBelt 700 excavator
- 2-CAT 973 track loaders
- 2-John Deere 40 ton haul trucks
- 3-CAT 35 ton haul trucks
- 1-4,500 gallon water truck
- 1 bobcat
- 1 backhoe
- 1-10,000 gallon water tower
- Survey control provided by GPS grade checker



GCSB - Completion

Upper Basin - Before



Upper Basin - After



GCSB - Completion

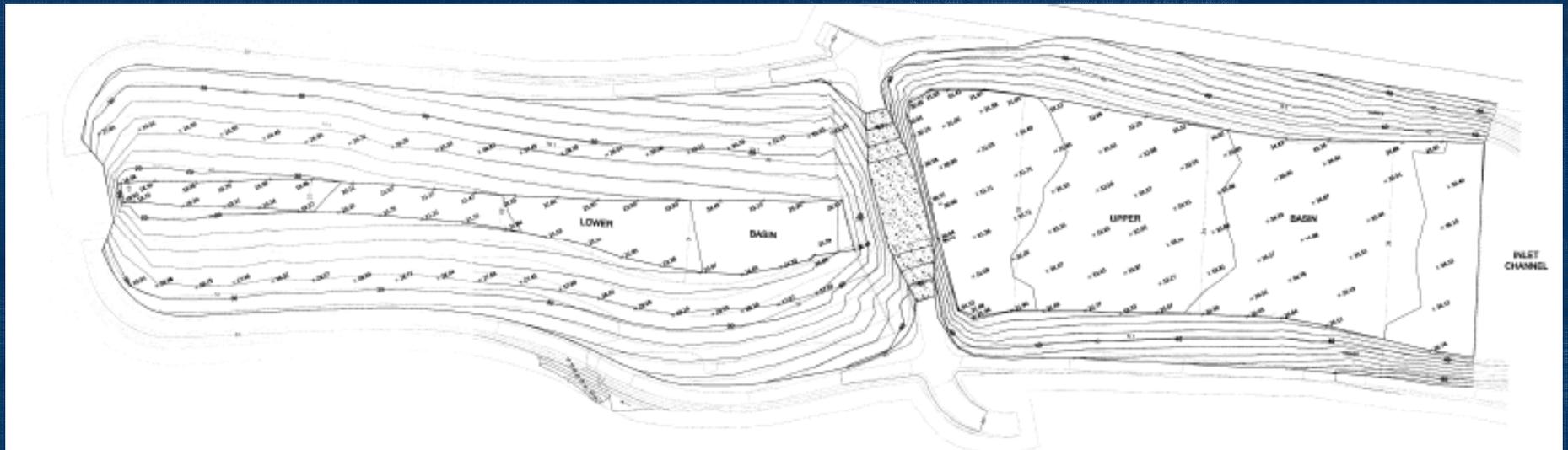
Lower Basin - Before



Lower Basin - After



GCSB – Final Survey



GCSB – Final Quantities

Projected

- Deposition Material – 60,000 yd³
- Waste Tires – 3,000
- Solid Waste – 50 tons
- Duration (allowed) – 5 weeks

Actual

- Deposition Material – 42,000 yd³
- Waste Tires -1,000
- Solid Waste – 15 tons
- Duration (actual) – 3 weeks – BEFORE THE WINTER RAINS !