DOJ – Smuggler's Gulch

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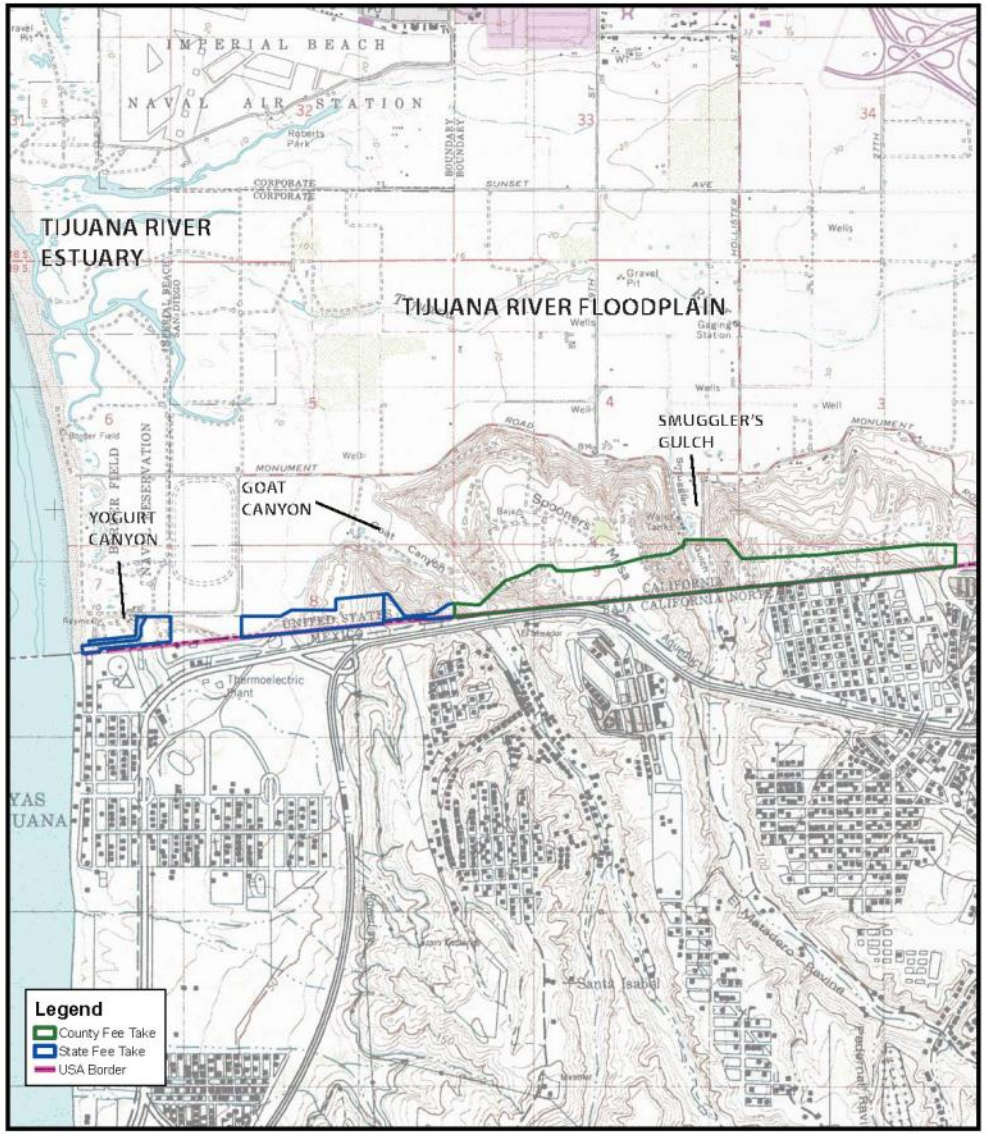
- Border wall project between California and Mexico
- Analysis of large culvert constructed beneath wall



Source: USGS Topographic Map (1967 photorevised 1975)

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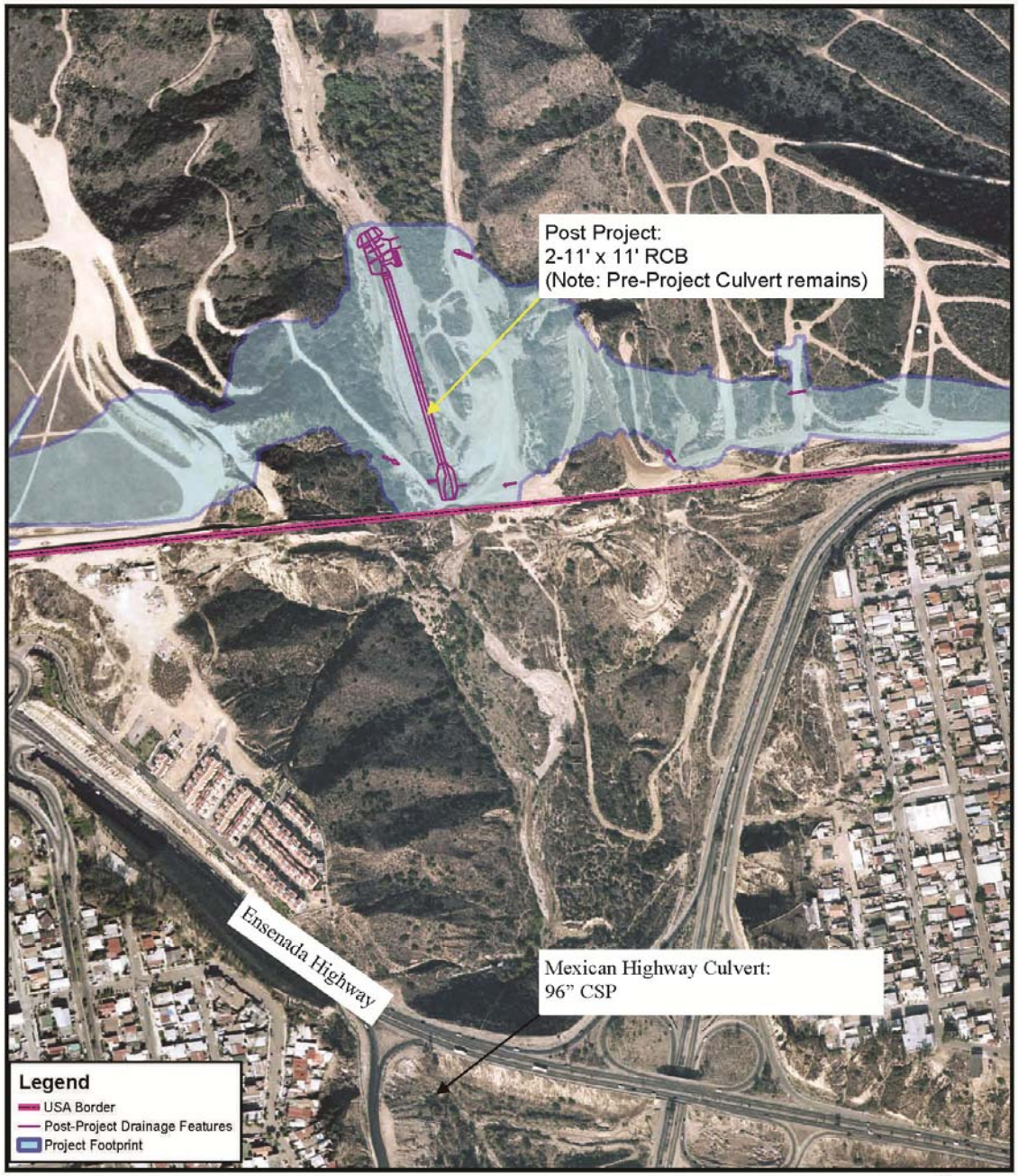
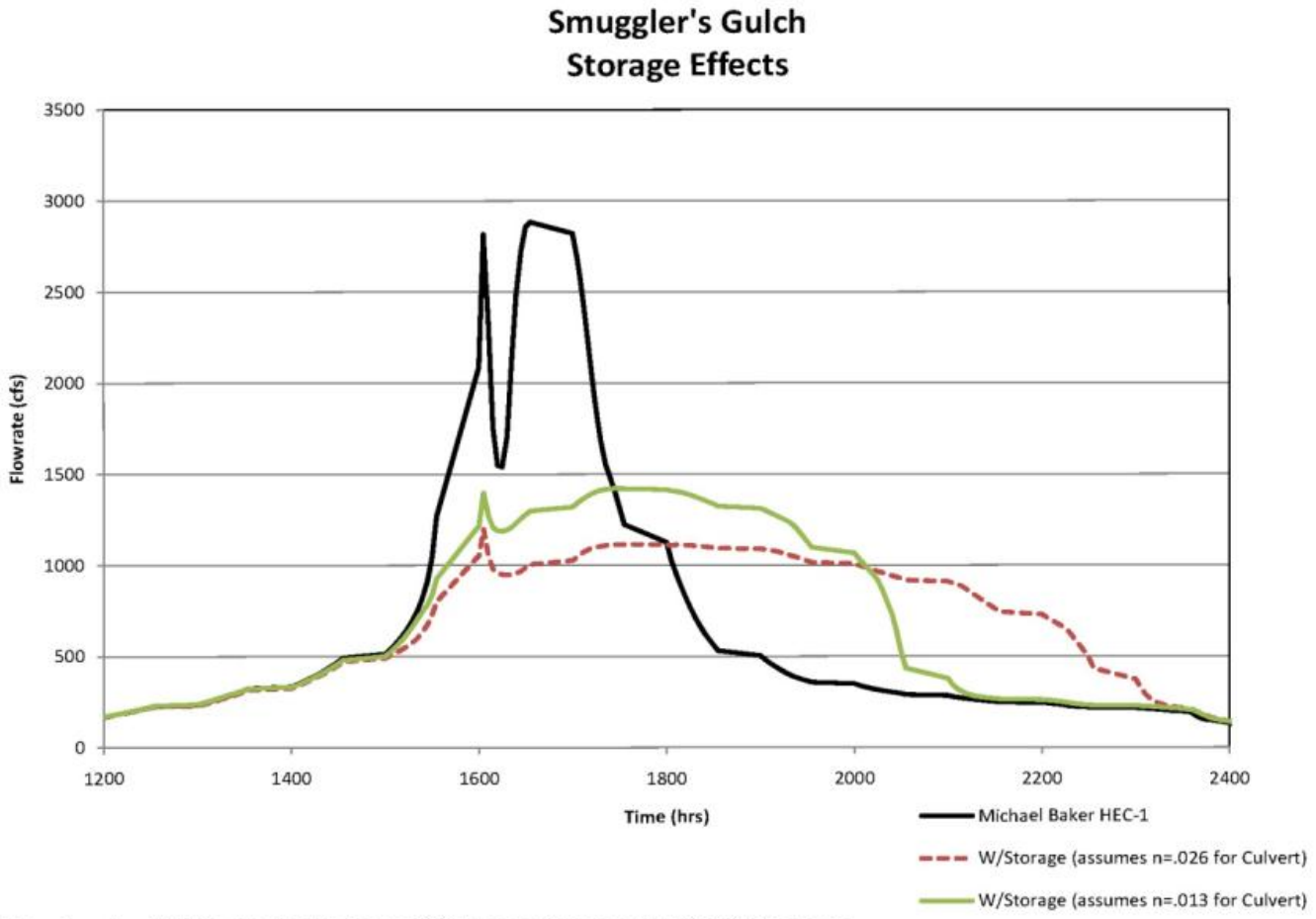
FIGURE 1: LOCATION MAP

Smuggler's Gulch Drainage Features



Effect of Ensenada Highway in Reducing Flood Flows in Canyon



Note: Based on 96" Pipe described in Canyon 2009 Reconnaissance, and USGS 2007 contours

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FIGURE 20: STORAGE EFFECTS
Smuggler's Gulch

Computer Modeling Results -- Smuggler's Gulch (From Hromadka Expert Report)

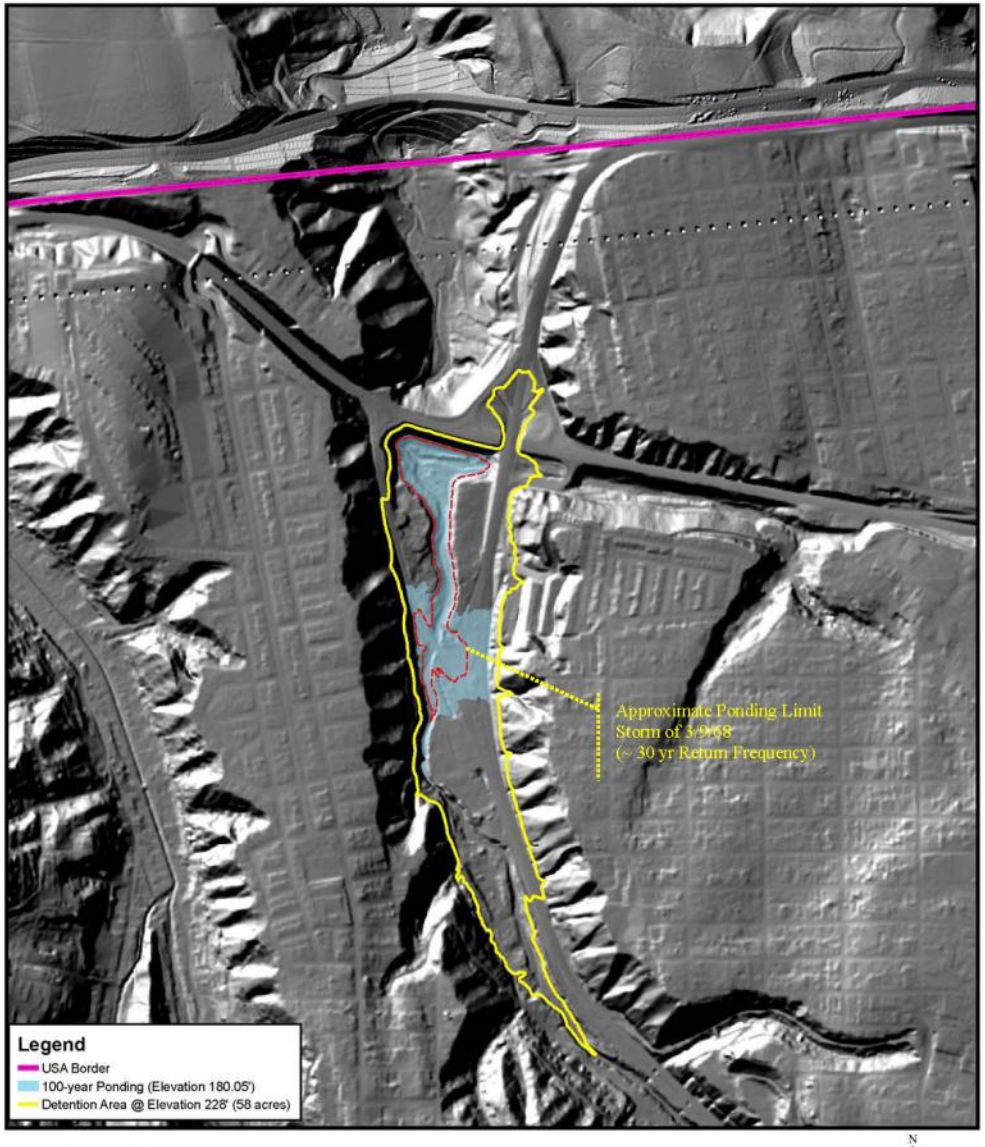

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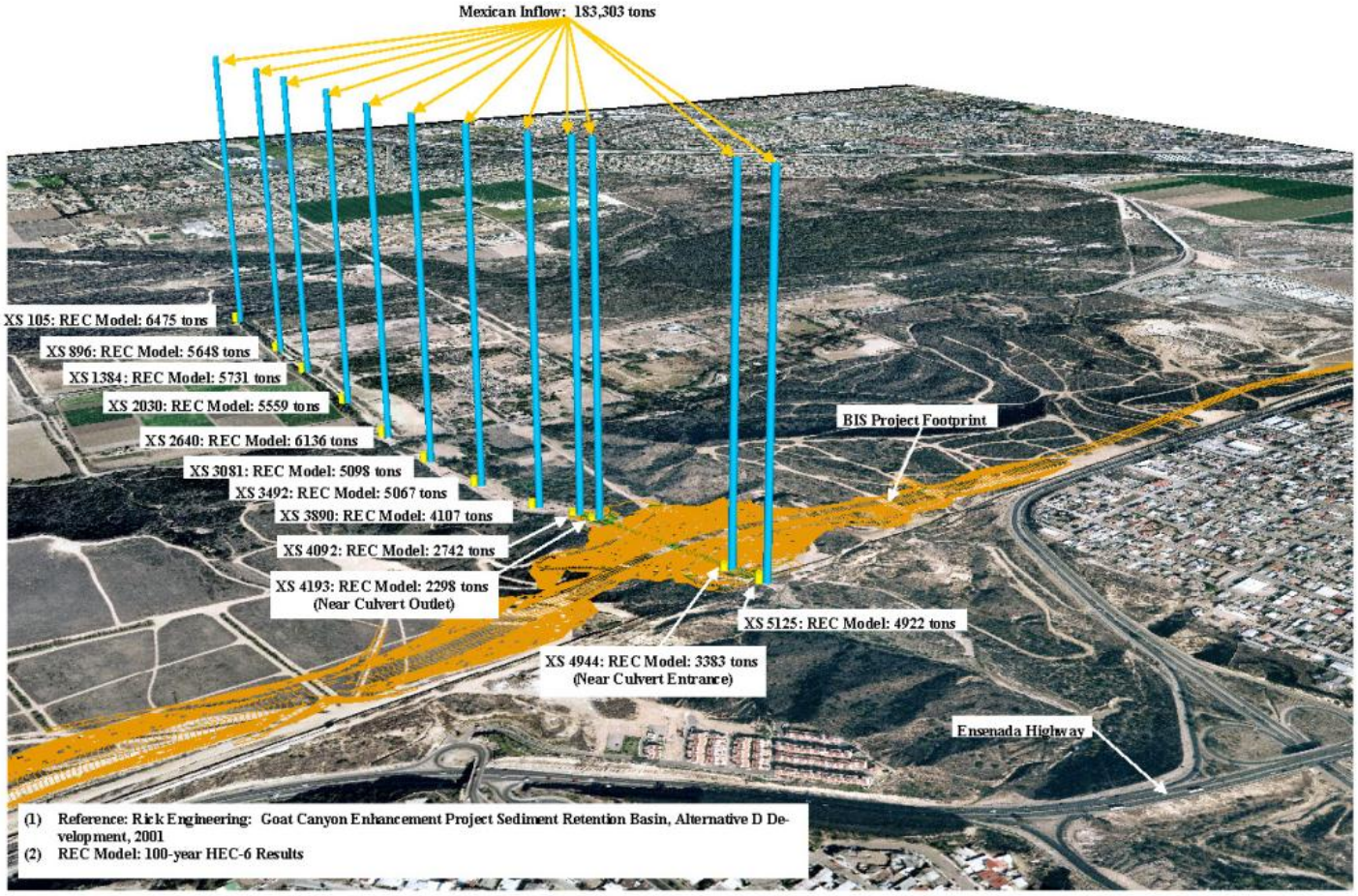
Figure 6.
Smuggler's Gulch
100-year Ponding Area

Maximum Flood Year & Floodplain -- Smuggler's Gulch (From Hromadka Supplemental Report)



Sediment – REC Modeling vs Mexican Inflow