

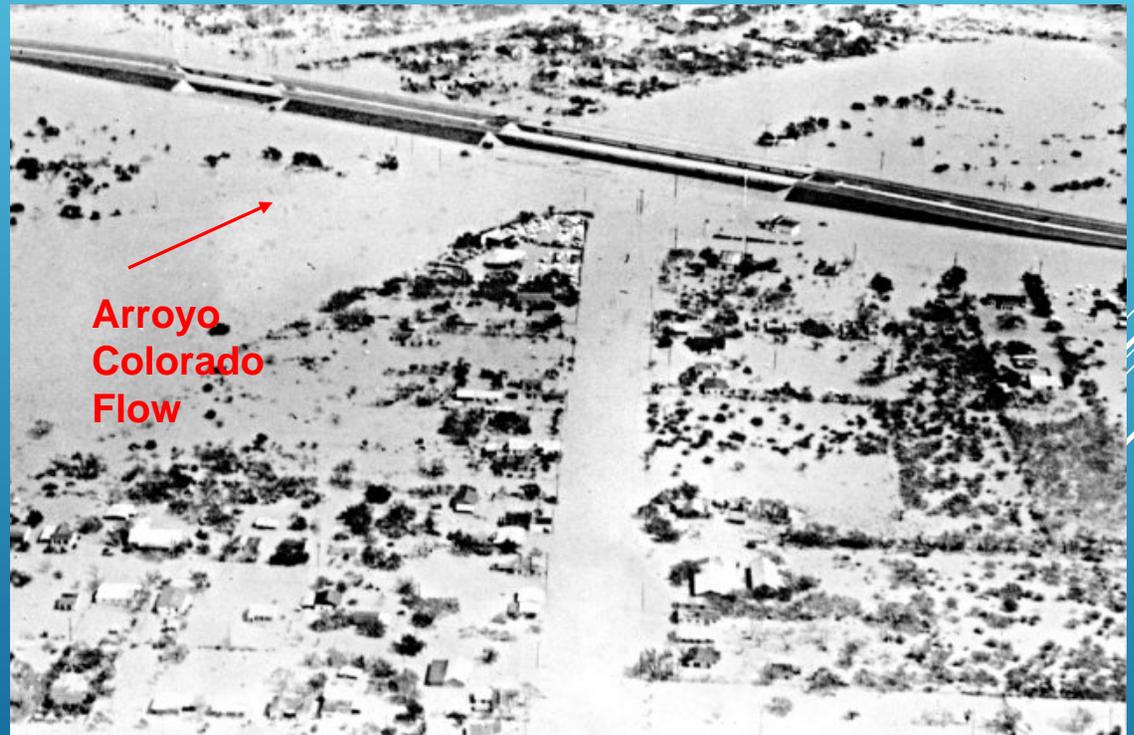


International Boundary and Water Commission
United States Section

ARROYO COLORADO FLOOD ENHANCEMENT INITIATIVE

Arroyo Colorado - History

- Hurricane Beulah September 1967 flooded Harlingen via the Arroyo Colorado



Hwy 77 At Arroyo Colorado

Arroyo Colorado - History

- ▶ A weir failed causing 60,000 cfs to flow into the Arroyo Colorado



Flooding Harlingen, Texas, 1967

Arroyo Colorado - History

- ▶ A Divisor Dike was constructed in 1968 to ensure the arroyo will receive its design flow of 21,000 cfs during a major event



Divisor Dike, Hurricane Alex, Arroyo Colorado, Mercedes, Texas



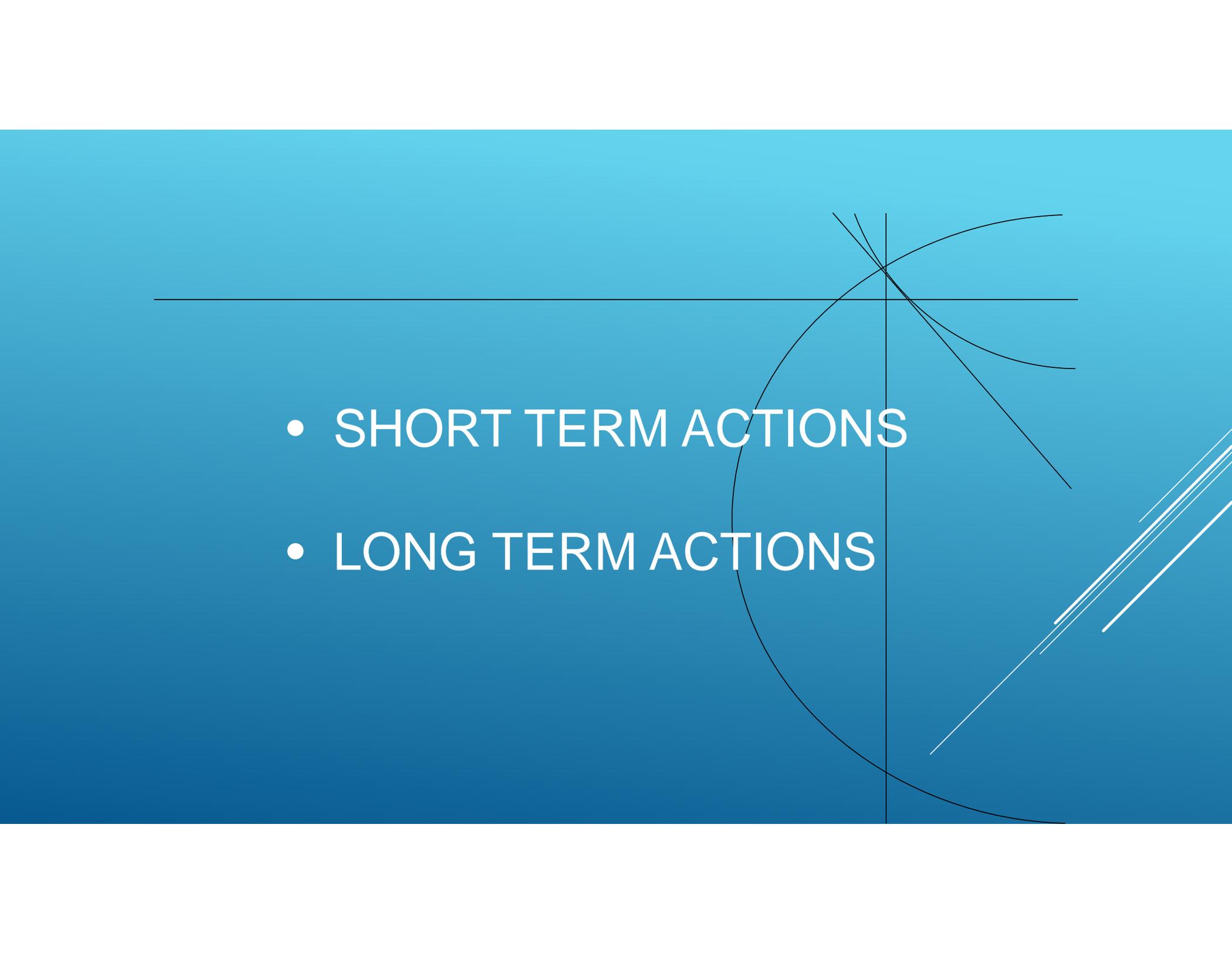
Arroyo Colorado at McKelvy Park



Arroyo Colorado @ Business 77



Arroyo Colorado @ Business 77

- 
- The background is a blue gradient. A large white circle is positioned on the right side. A horizontal white line crosses the circle. A vertical white line also crosses the circle. Several other white lines, including a diagonal one, intersect the circle and the other lines. The text is white and centered on the left side of the circle.
- SHORT TERM ACTIONS
 - LONG TERM ACTIONS



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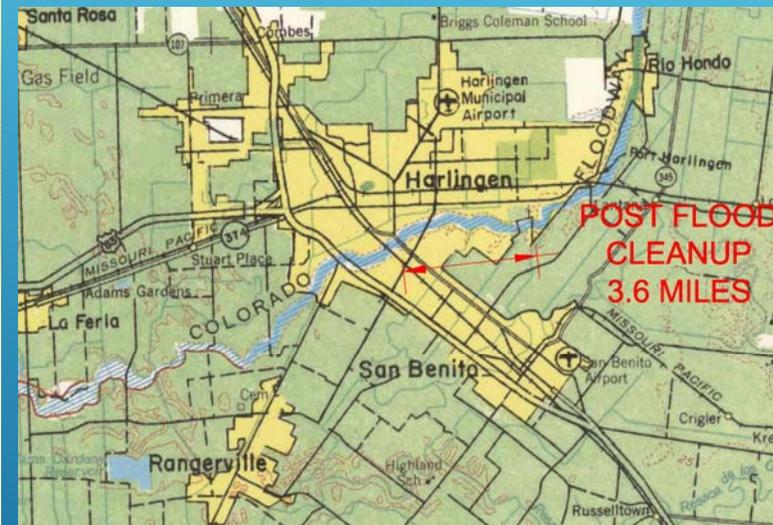
Arroyo Colorado - Post Flood Cleanup

Short Term Project: Remove Dead Trees and Trash



**Dead Trees
April 21, 2011**

**Debris
Stockpiled
April 21, 2011**



**Arroyo Colorado Hwy 77 to FM 509
3.64 miles**



Arroyo Colorado - Post Flood Cleanup

- ▶ USIBWC removed 15 truck loads of dead trees and debris below the 21,000 cfs flow line
- ▶ USIBWC notified land owners of the cleanup
- ▶ During the cleanup USIBWC had an onsite environmental monitor

Arroyo Colorado
Photo taken
3-9-11



Dead Trees to
be removed
Photo taken
3-9-11

Arroyo Colorado - 2011



Arroyo Colorado - Post Flood Cleanup

Arroyo Colorado Hwy 77 to FM 509

- Flows one month after Hurricane Alex
- Note trees within the flow
- Note brown fringe of dead trees within the arroyo

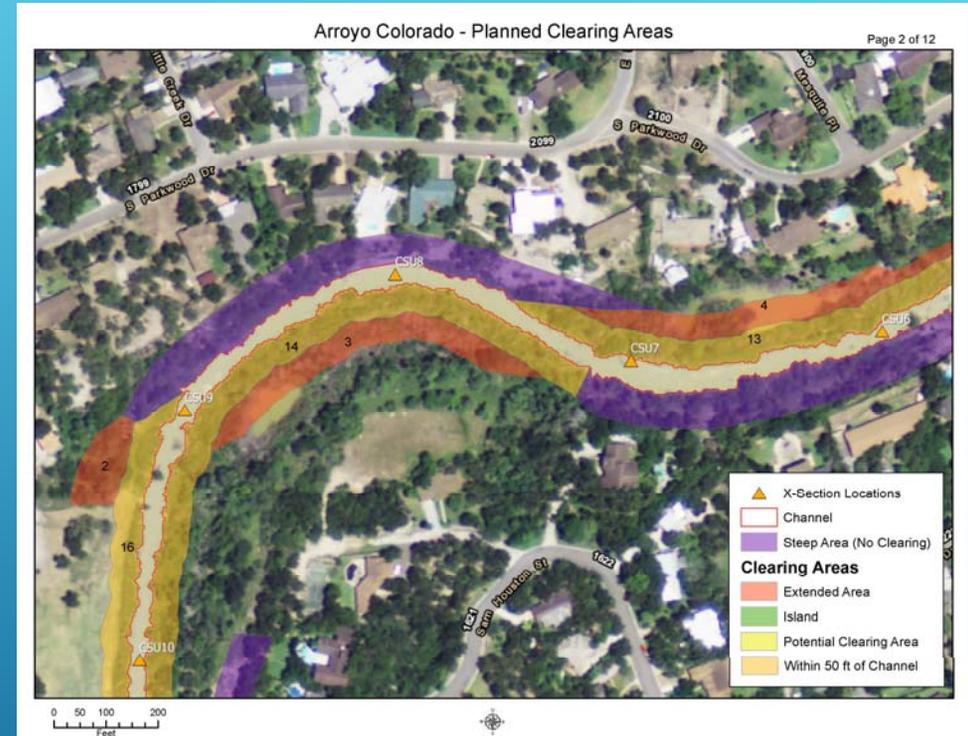
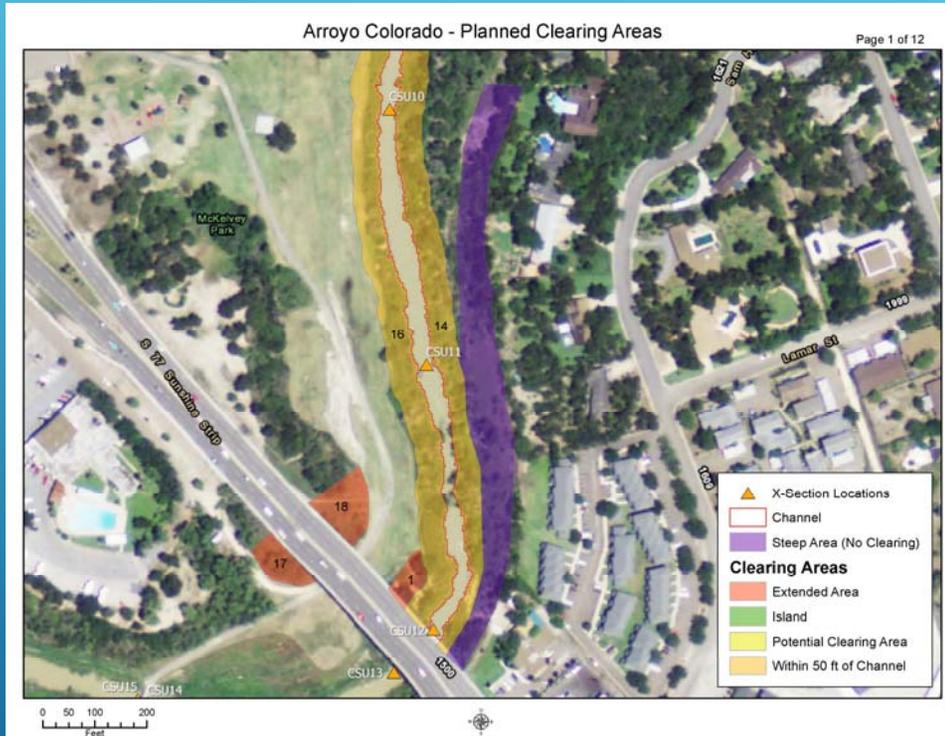


Arroyo Colorado Flow - August 15, 2010

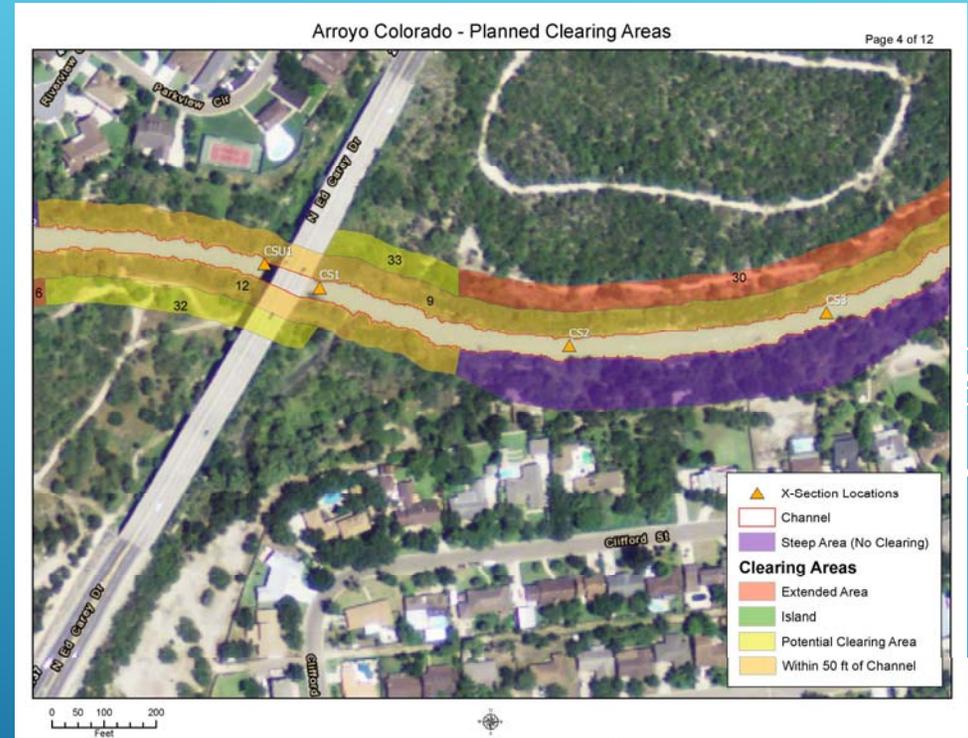
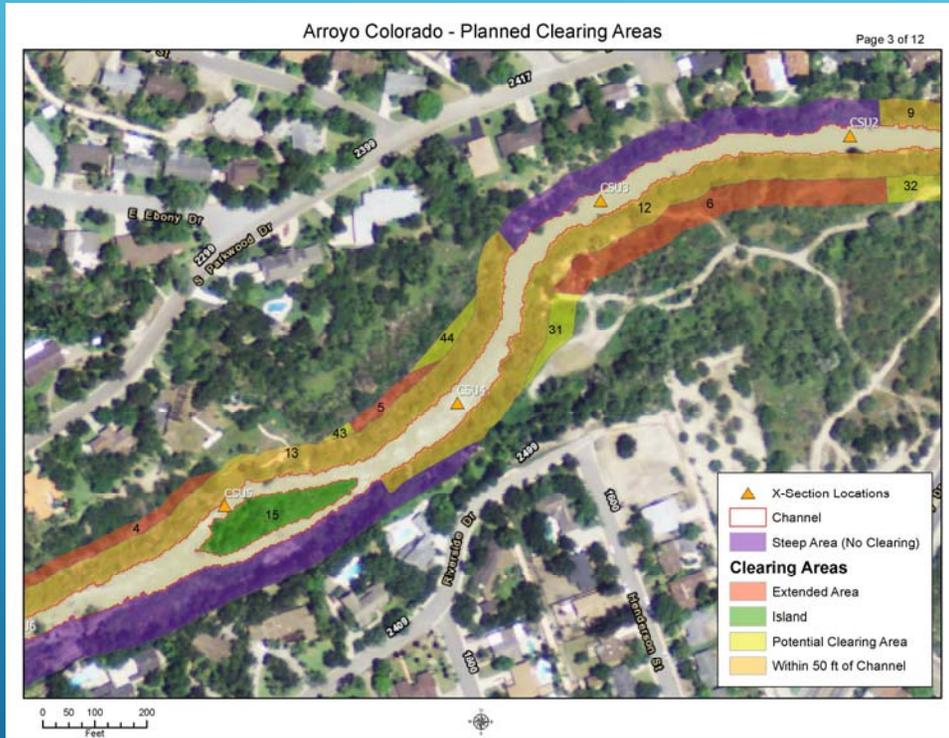
2015 ARROYO
COLORADO FLOOD
ENHANCEMENT INITIATIVE



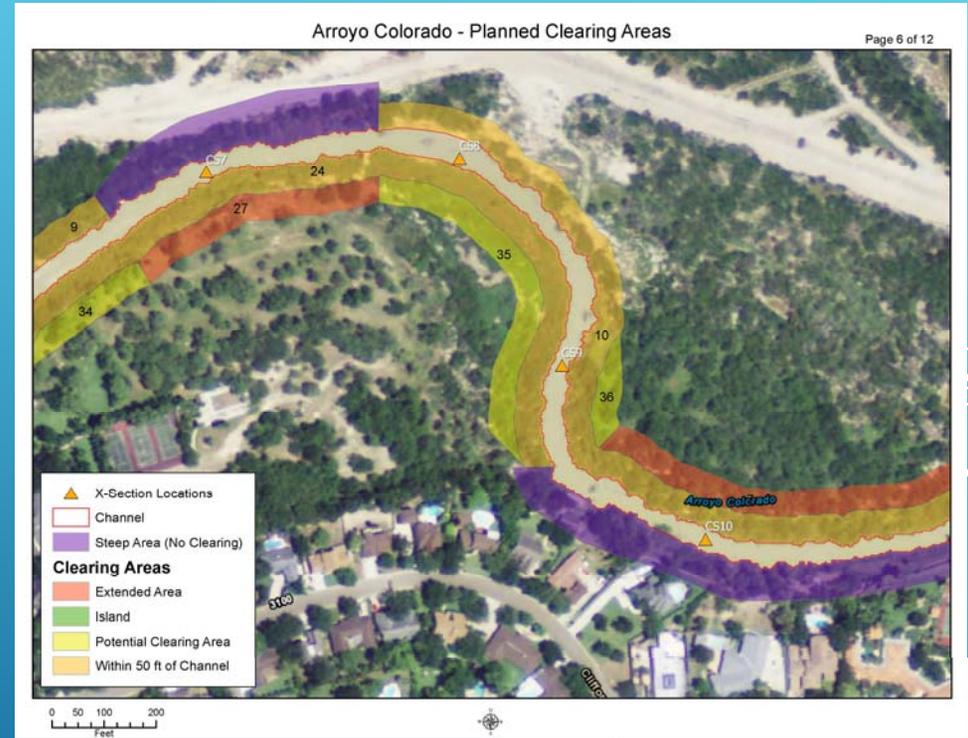
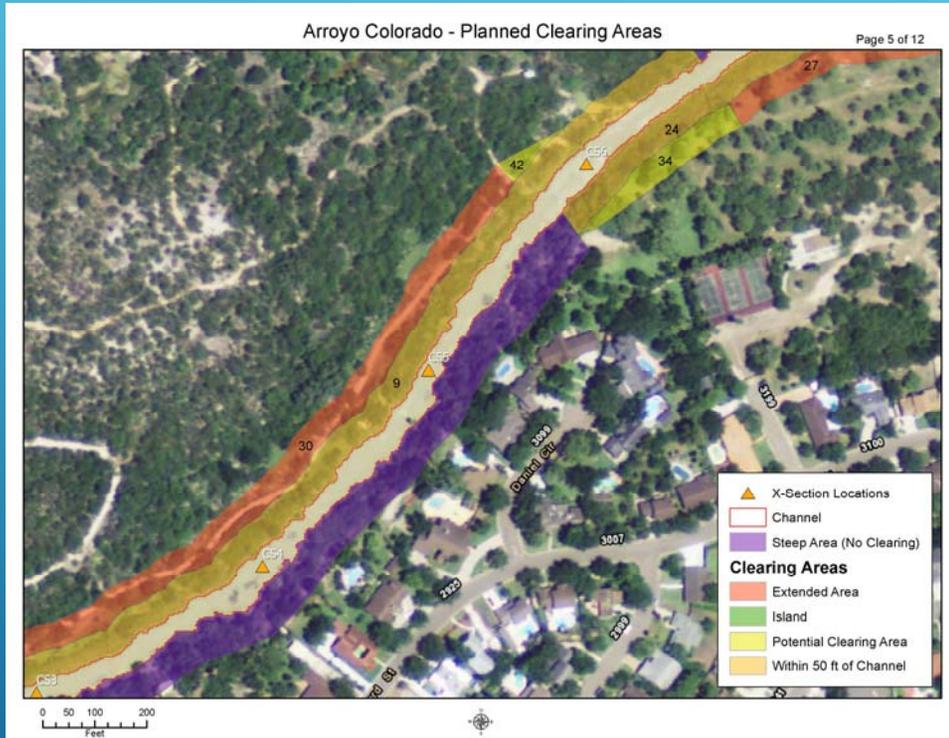
Arroyo Colorado – Proposed Areas of Enhancement



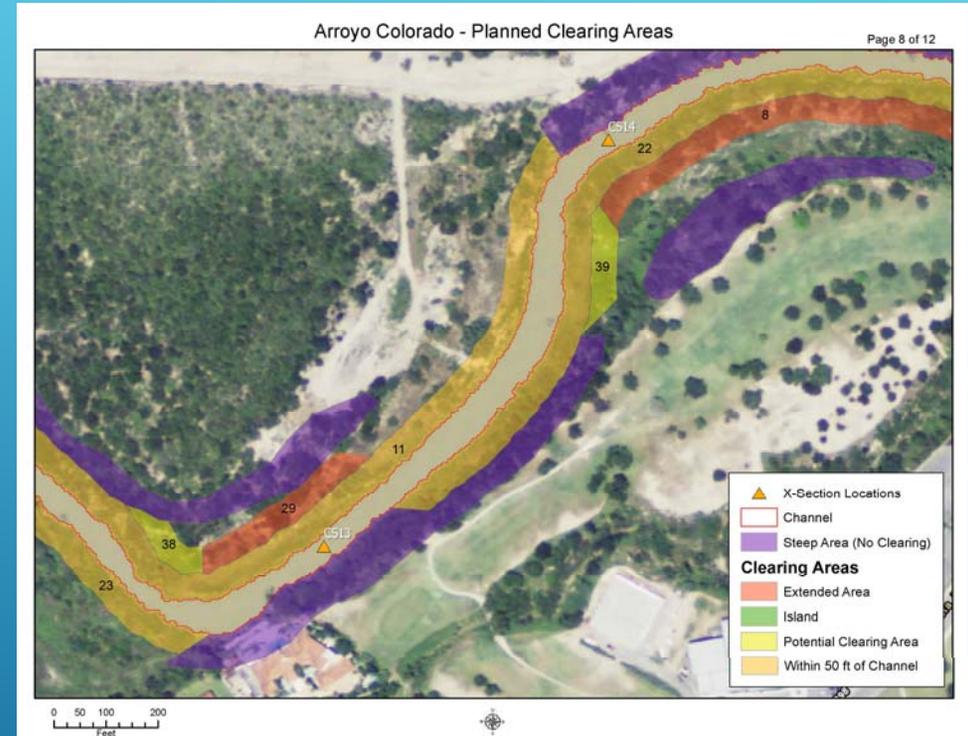
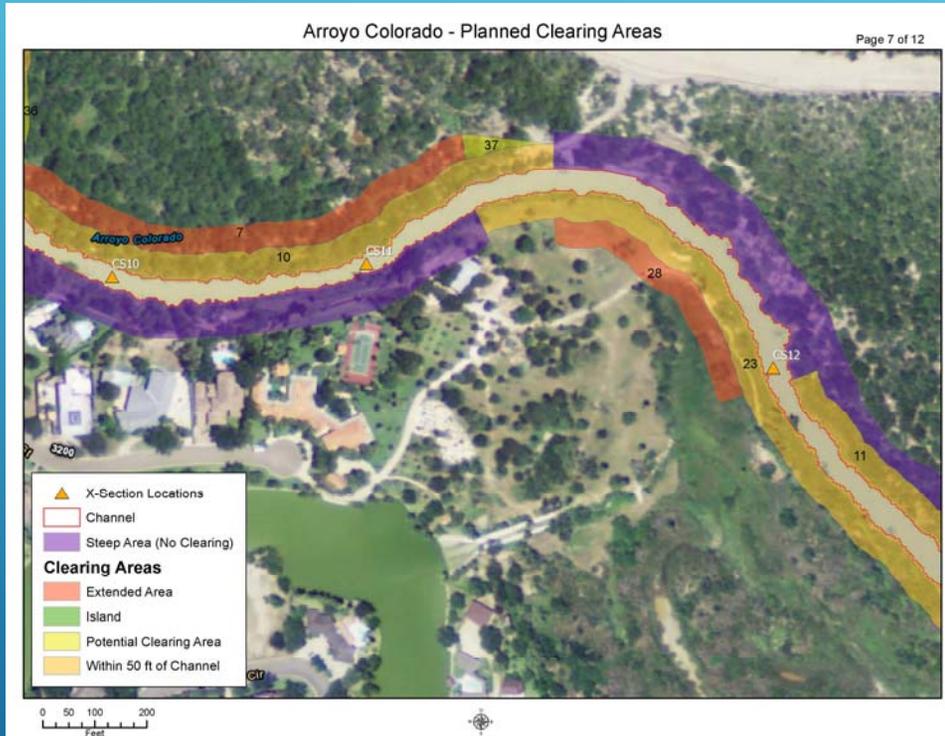
Arroyo Colorado – Proposed Areas of Enhancement



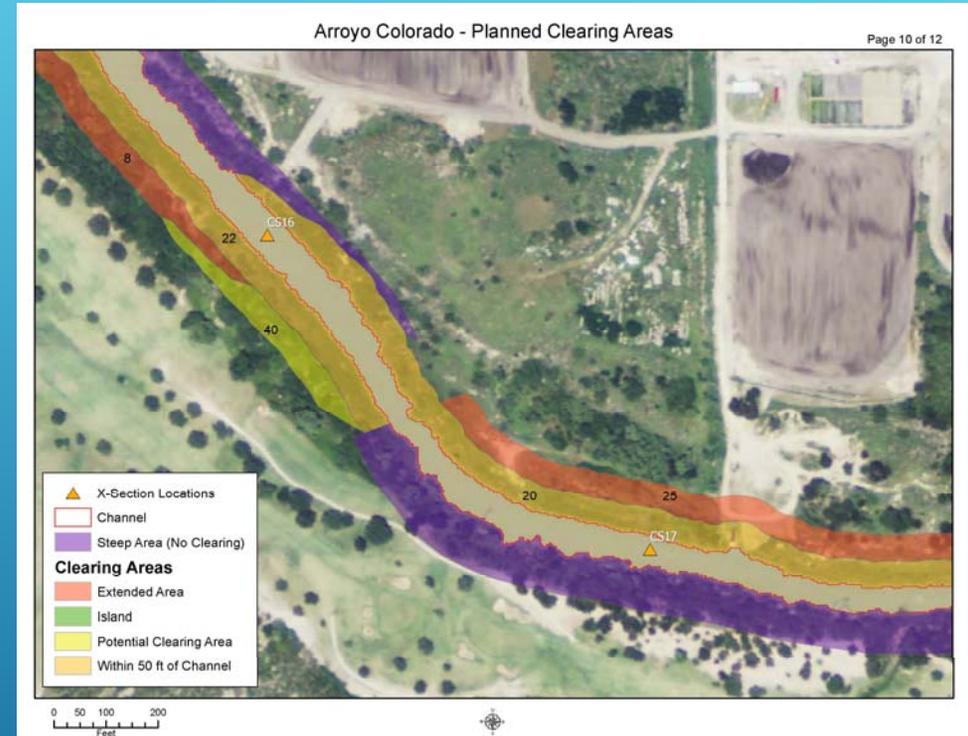
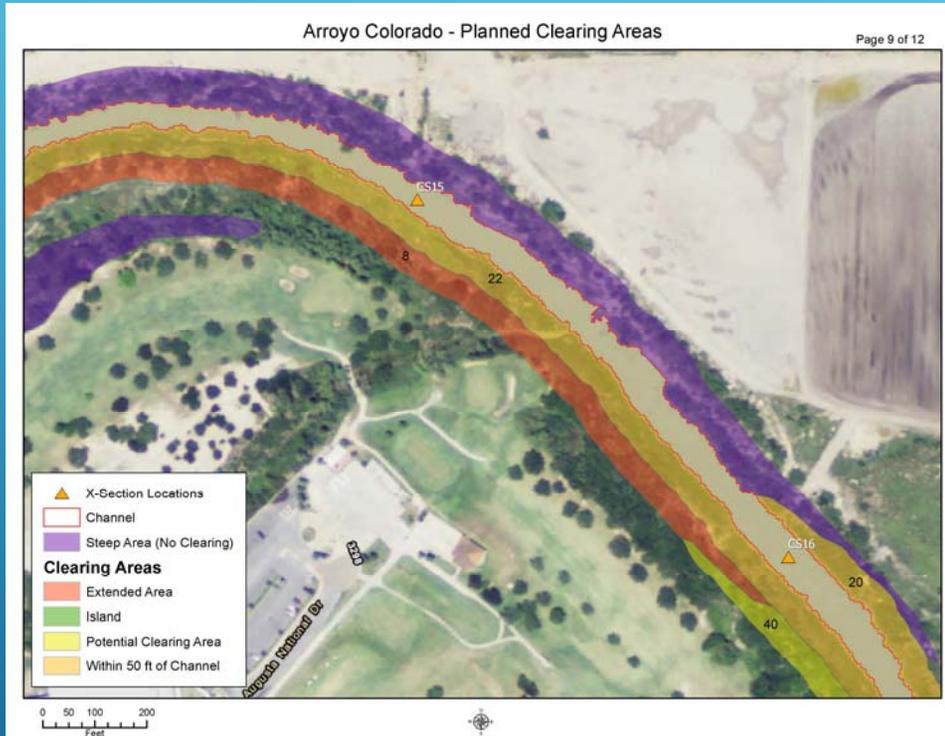
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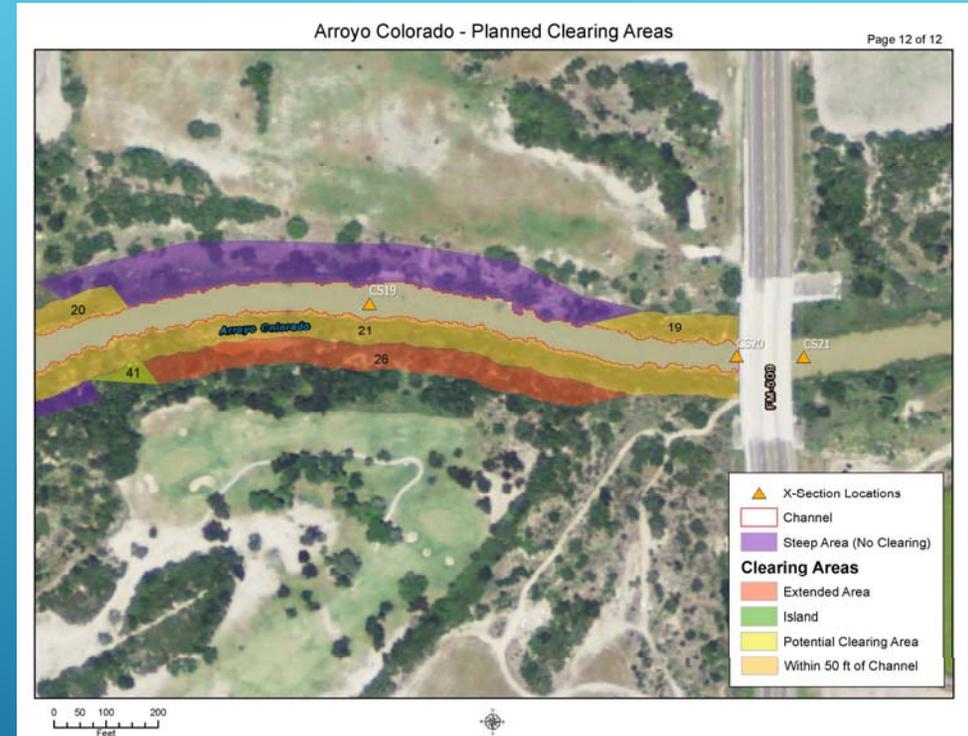
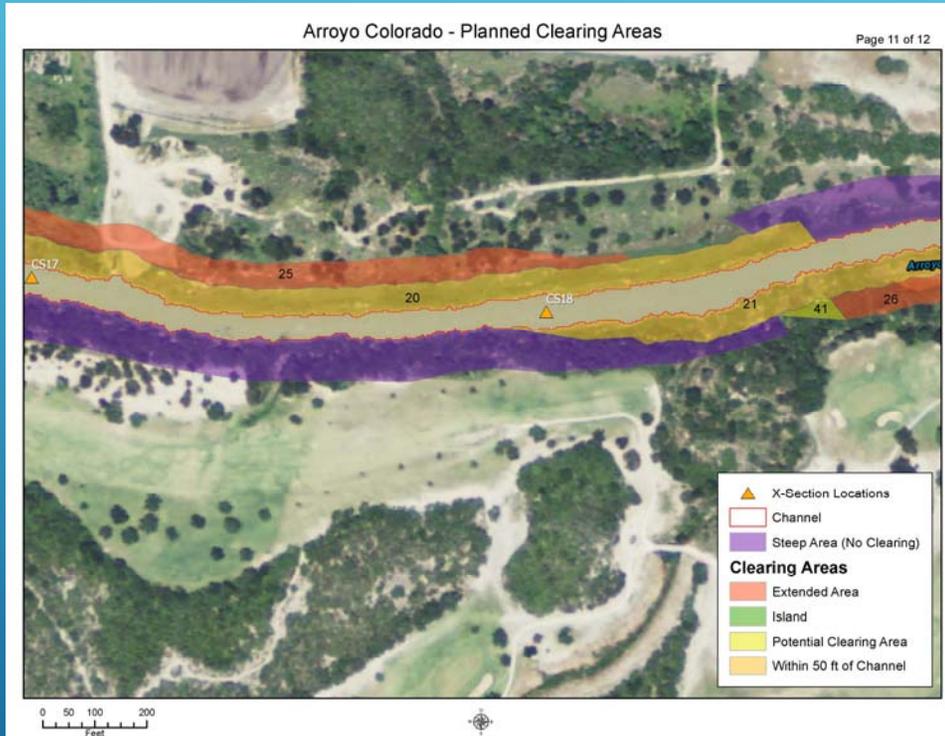
Arroyo Colorado – Proposed Areas of Enhancement



Arroyo Colorado – Proposed Areas of Enhancement



Arroyo Colorado – Proposed Areas of Enhancement



Arroyo Colorado – Areas Worked



Arroyo Colorado – Areas Worked



Arroyo Colorado – Before Flood Enhancement



Arroyo Colorado – After Flood Enhancement



ANY QUESTIONS?

