

**International Boundary And Water Commission  
United States And Mexico  
United States Section**

**2018 Upper Rio Grande Field Office  
Canalization River Channel Maintenance  
Completed Projects**



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# GOALS & OBJECTIVES

- Maintain efficient water deliveries to:
  - U.S. Irrigation Districts
  - Municipalities
  - Mexico
- Increase River channel carrying capacity
- Increase water delivery efficiency
- Alleviate backwater conditions at drainage structures which outfall into river, and reduce upstream drainage issues
- Satisfy Canalization ROD(Record of Decision) –Part IV Channel maintenance requirements

# 2018 CANALIZATION RIVER CHANNEL MAINT. SITES



RIVER CHANNEL MAINT. & ISLANDS SEDIMENT REMOVAL LOCATIONS TO INCLUDE UPSTREAM AND DOWNSTREAM OF BRIDGE CROSSING	APPROX. SEDIMENT VOLUME EXCAVATED, IN CUBIC YARDS(CY)
1. Santo Tomas Bridge Crossing Area	6,145
2. Mesquite Bridge Crossing Area	27,837
3. RM 227/Vado Bridge Crossing Area	5,522
4. Anthony Country Club Bridge Crossing Area	10,387
5. FM1905/New Anthony Bridge Crossing Area	9,712
6. Vinton Bridge Crossing Area	6,360
7. Country Club Bridge Crossing Area	8,464
8. Sunland Park Bridge Crossing Area	29,355
9. Anapra/Race Track Dr. Bridge Crossing Area	25,205
10. Courchesne Bridge Crossing Area	20,000
11. Montoya Drain Outfall Area	18,500
12. Canutillo Bridge Crossing Area	11,486
<b>TOTAL SEDIMENT REMOVED</b>	<b>178,973</b>

# CANALIZATION RIVER PROJECTS



Santo Tomas Bridge Crossing removed 6,145 CY



Mesquite Bridge Crossing removed 27,837 CY



# CANALIZATION RIVER PROJECTS



Vado Bridge Crossing removed 5,522 CY



Anthony Country Club Bridge Crossing removed 10,387 CY



# CANALIZATION RIVER PROJECTS



FM 1905/New Anthony Bridge Crossing removed 9,712 CY



Vinton Bridge Crossing removed 6,360 CY



# CANALIZATION RIVER PROJECTS



Canutillo Crossing upstream and downstream islands: removed 11,486 CY



Country Club Crossing-removed 8,464 CY



# CANALIZATION RIVER PROJECTS

Sunland Park Crossing removed 29,355 CY



Anapra/Race Track Dr. Crossing Removed 25,205 CY.



# CANALIZATION RIVER PROJECTS



Montoya Drain Outfall removed 18,500 CY



Courchesne Bridge Crossing removed 20,000 CY



# CANALIZATION RIVER PROJECTS



- Completed all of this year's 12 Canalization river channel maintenance projects on March 16, on start of Irrigation Season.
- An approximate total of 178,973 CY of river sediment was removed in these Canalization Areas.
- The river channel sediment removal performed this year was due to additional personnel brought in from the Mercedes and Ft. Hancock Field Office's to assist.
- Continue to determine, develop & obtain critical no-cost Sediment Deposition Agreements.

# CANALIZATION RIVER PROJECTS



- Late 2018/early2019 address priority river channel and arroyo locations listed under, the USIBWC River Management Plan - Canalization Record of Decision(ROD) - 5 Yr. Part IV-Channel Maintenance Section.
- Next year, the sediment schedule will include work sites on various Arroyos and Siphons maintenance, in particular: Placitas Arroyo, Rincon Siphon, Garcia I Arroyo, Rincon Arroyo and Bignell Arroyo, if time permits.
- Various locations will require willow restoration work, which will require additional time to perform both river sediment removal and restoration work by same IBWC personnel.

# CANALIZATION RIVER PROJECTS

## Proposed 2018/2019 work sites



### URGFO

2018/19 Canalization sediment removal project location map

Drawn By: Daniel J. Dergance	Checked By: Jose Luis Sierra	Sheet: 1 of 3
2nd April 2018		

### HATCH SIPHON

During the 2018/19 non-irrigation season approximately 4,000 cubic yards of sediment anticipated to be removed from the area at the Hatch Siphon.



### PLACITAS ARROYO

During the 2018/19 non-irrigation season approximately 13,000 cubic yards of sediment anticipated to be removed from the area at the Placitas Arroyo.

# CANALIZATION RIVER PROJECTS

## Prop 2018/2019 work sites



### URGFO

2018/19 Canalization sediment removal project location map

Drawn By: Daniel J. Dergance	Checked By: Jose Luis Sierra	Sheet: 2 of 3
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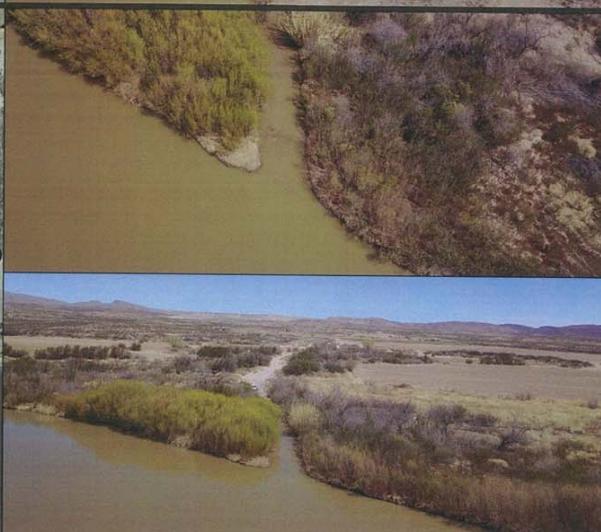
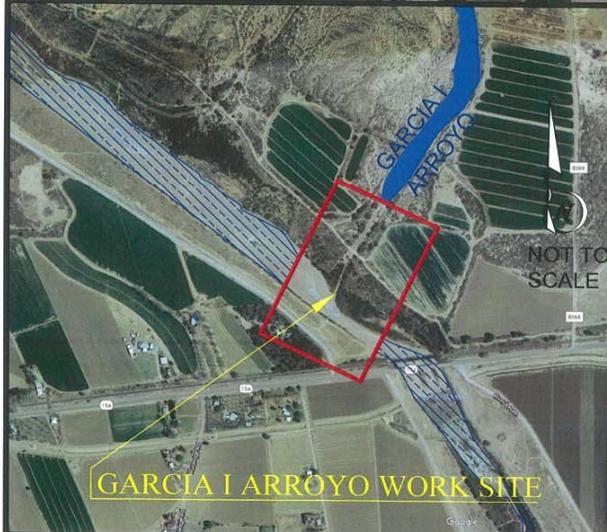
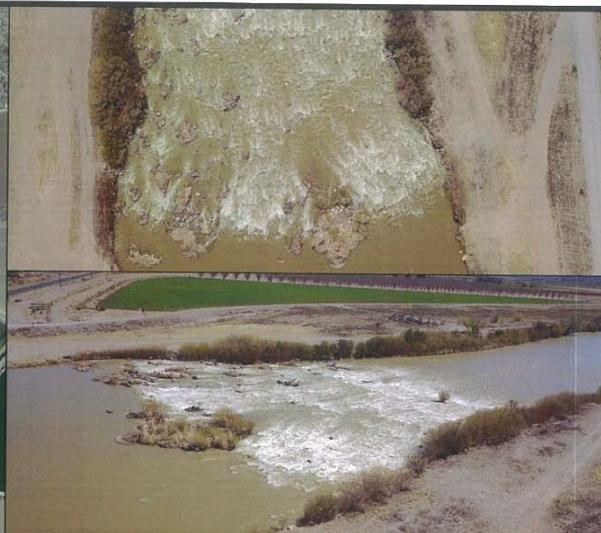
2nd April 2018

### RINCON SIPHON

During the 2018/19 non-irrigation season approximately 15,000 cubic yards of sediment anticipated to be removed from the area at the Rincon Siphon.

### GARCIA I ARROYO

During the 2018/19 non-irrigation season approximately 12,000 cubic yards of sediment anticipated to be removed from the area at the Garcia Arroyo.



# CANALIZATION RIVER PROJECTS

## Proposed 2018/2019 work sites



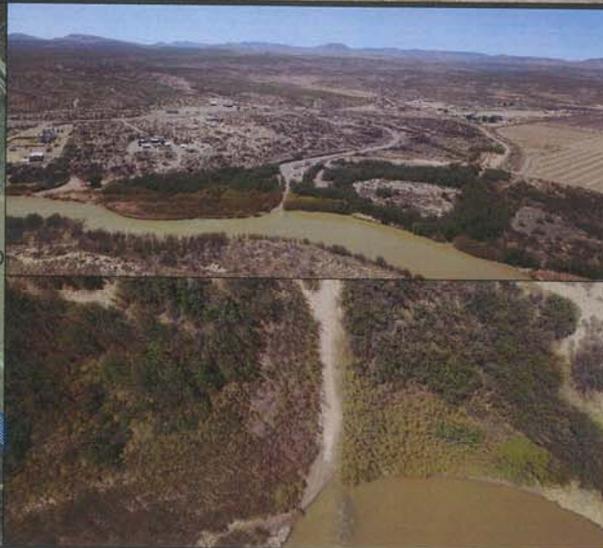
URGFO

2018/19 Canalization sediment removal project location map

Drawn By: Daniel J. Dergance	Checked By: Jose Luis Sierra	Sheet: 3 of 3
2nd April 2018		

### RINCON ARROYO to BIGNELL ARROYO

During the 2018/19 non-irrigation season approximately 56,000 cubic yards of sediment anticipated to be removed from selected areas between Rincon and Bignell arroyos.



# QUESTIONS ???

