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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Upper Rio Grande Field Office
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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

<table>
<thead>
<tr>
<th>River Channel Maint. &amp; Islands</th>
<th>Approx. Sediment Volume Excavated, in Cubic Yards (CY)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Santo Tomas Bridge Crossing Area</td>
<td>6,145</td>
</tr>
<tr>
<td>Mesquite Bridge Crossing Area</td>
<td>27,837</td>
</tr>
<tr>
<td>RM 227/Vado Bridge Crossing Area</td>
<td>5,522</td>
</tr>
<tr>
<td>Anthony Country Club Bridge Crossing Area</td>
<td>10,387</td>
</tr>
<tr>
<td>FM1905/New Anthony Bridge Crossing Area</td>
<td>9,712</td>
</tr>
<tr>
<td>Vinton Bridge Crossing Area</td>
<td>6,360</td>
</tr>
<tr>
<td>Country Club Bridge Crossing Area</td>
<td>8,464</td>
</tr>
<tr>
<td>Sunland Park Bridge Crossing Area</td>
<td>29,355</td>
</tr>
<tr>
<td>Anapra/Race Track Dr. Bridge Crossing Area</td>
<td>25,205</td>
</tr>
<tr>
<td>Courchesne Bridge Crossing Area</td>
<td>20,000</td>
</tr>
<tr>
<td>Montoya Drain Outfall Area</td>
<td>18,500</td>
</tr>
<tr>
<td>Canutillo Bridge Crossing Area</td>
<td>11,486</td>
</tr>
<tr>
<td><strong>Total Sediment Removed</strong></td>
<td><strong>178,973</strong></td>
</tr>
</tbody>
</table>
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/early 2019 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.
HATCH SIPHON WORK SITE

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 WORK SITE

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.
**RINCON SIPHON WORK SITE**

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 WORK SITE**

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.
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 ???