LEARNING BY DOING

Grand County State of the River, May 3, 2018
WHO WE ARE

Management committee:
- Colorado Parks and Wildlife
- Colorado River Water Conservation District
- Denver Water
- Grand County
- Middle Park Water Conservancy District
- North Water
- Trout Unlimited

Technical committee:
- Grand County Water and Sanitation District
- Grand County Water Information Network
- Northwest Colorado Council of Governments
- U.S. Bureau of Reclamation
- U.S. Forest Service
- Winter Park Water and Sanitation District
**Fraser Flats River Habitat Project**

**Project Goals**

- **Restore aquatic habitat** on nearly 1 mile of the Fraser River
- **Re-vegetate the stream channel** to provide shade cover, stabilize riverbank
- **Open new public fishing** on 0.4-mile reach
Long-term:
- Fish and benthic macroinvertebrate population increase
- Mature riparian vegetation – increased shading

Immediate:
- Riffle/pool/run complex
- Bank stabilization
- Riparian plantings
Fraser Flats Revegetation Volunteer Events

- 150 volunteers came out over three days in May 2017
- Harvested 4,000 willow stakes from nearby stream
- Planted willows and cottonwoods on banks of Fraser River at project site
Planting of Like Species

4,000 harvested willows

90 Kremmling cottonwoods
 Revegetation – Area Map

Outside bends and southern stream banks:

- Erosion control
- Cover for trout
- Reduce solar influence
- Clear casting lines for anglers

Courtesy of Freestone Aquatics
# Colorado Parks & Wildlife Pre- and Post- Project Fish Surveys

<table>
<thead>
<tr>
<th>Year</th>
<th>Brown trout</th>
<th>Rainbow trout</th>
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<tbody>
<tr>
<td></td>
<td>Biomass</td>
<td>Fish &gt; 14”</td>
</tr>
<tr>
<td></td>
<td>(pounds per</td>
<td>per acre</td>
</tr>
<tr>
<td></td>
<td>surface acre)</td>
<td></td>
</tr>
<tr>
<td>2007</td>
<td>33</td>
<td>3</td>
</tr>
<tr>
<td>2016</td>
<td>26</td>
<td>6</td>
</tr>
<tr>
<td>2017</td>
<td>111</td>
<td>33</td>
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Source: CPW 2018
Mission of Learning By Doing

To **protect** and, where possible, **restore** and **enhance** aquatic environments in Grand County.

www.GrandCountyLearningByDoing.org