Hamilton City Flood Damage Reduction and Ecosystem Restoration Project
**Project Partnership**

Hamilton City Flood Damage Reduction and Ecosystem Restoration Project

<table>
<thead>
<tr>
<th><strong>Federal sponsor</strong></th>
<th><strong>Non-federal sponsor for construction</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Leading Design and Construction</strong></td>
<td><strong>Responsible for Project O&amp;M</strong></td>
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<tr>
<th><strong>State funding</strong></th>
<th><strong>Non-federal sponsor for planning</strong></th>
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<tr>
<td><strong>Land acquisition;</strong></td>
<td><strong>Technical, financial, and lobbying support</strong></td>
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Sacramento River
Problem – Flood Risk Management

Hamilton City Flood Damage Reduction and Ecosystem Restoration Project

• Current levee built in 1905
• Provides 10-year protection
• Privately owned


• Levee no longer defensible
• Flood fights in 2016, 2017, and 2019
Problem – Sacramento River Ecosystem Degradation

Hamilton City Flood Damage Reduction and Ecosystem Restoration Project

- 95% of Sacramento River riparian habitat cleared.
- Loss of connected river-floodplain and habitats.
- 35 state and federally listed species.
Environmental Operating Principles

Hamilton City Flood Damage Reduction and Ecosystem Restoration Project

• Army Corps Environmental Operating Principles (EC 1105-2-404).
Flood Damage Reduction Benefits

Hamilton City Flood Damage Reduction and Ecosystem Restoration Project

- Consequences:
  - 3,700 acres of prime farmland,
  - 750+ homes and businesses,
  - 1,700+ residents

- Critical Infrastructure:
  - Waste Water Treatment Plant
  - Highway 32 & 45

- With Project Expected Annual Benefits:
  ~ $580,000
Ecosystem Restoration Benefits

Hamilton City Flood Damage Reduction and Ecosystem Restoration Project

- Expand floodplain
- Restore 1,361 acres of native riparian habitat
- USFWS Habitat Evaluation Procedures (HEP)
## Construction Budget

Hamilton City Flood Damage Reduction and Ecosystem Restoration Project

<table>
<thead>
<tr>
<th>Project</th>
<th>Federal Share</th>
<th>Non-Fed Share</th>
<th>Total</th>
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<tbody>
<tr>
<td>Flood Damage Reduction</td>
<td>$11,233,000</td>
<td>$6,049,000</td>
<td>$17,282,000</td>
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<tr>
<td>Ecosystem Restoration</td>
<td>$48,029,000</td>
<td>$25,646,000</td>
<td>$73,675,000</td>
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<td>$59,262,000</td>
<td>$31,695,000</td>
<td>$90,957,000</td>
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## Project Cost Allocation

- Flood Damage Reduction: 19%
- Ecosystem Restoration: 81%
Project Status – Phase 1

Hamilton City Flood Damage Reduction and Ecosystem Restoration Project
Project Status – Phase 1

Hamilton City Flood Damage Reduction and Ecosystem Restoration Project
Project Status – Phase 2A

Hamilton City Flood Damage Reduction and Ecosystem Restoration Project
Project Status – Phase 2A

Hamilton City Flood Damage Reduction and Ecosystem Restoration Project
Project Status – Phase 2A

Hamilton City Flood Damage Reduction and Ecosystem Restoration Project
Project Status – Phase 2A

Hamilton City Flood Damage Reduction and Ecosystem Restoration Project
Project Status – Phase 2B
Project Status – Phase 2B

Hamilton City Flood Damage Reduction and Ecosystem Restoration Project
Project Status – Phase 2B

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QUESTIONS?

For more information contact:

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• Eric Nagy (Larsen Wurzel & Associates) @ (530) 665-8016