

Colorado Compensatory Wetland, Stream, & Species Mitigation

Rocky Mountain EHS Peer Group · April 20, 2023



TYLER BELL

Director, Rocky Mountain Region

Mobile: (337) 591-6110

tbell@westervelt.com



WILL DUGGINS

Business Development Manager

Mobile: (816) 244-9497

wduggins@westervelt.com





WES History

- The Westervelt Company (TWC)- 1884
- 5th Generation Family Leadership
- WES established in 2006
- WES & CDPQ partnership

Restoration to Date



30,000+

Acres
Managed /
Protected



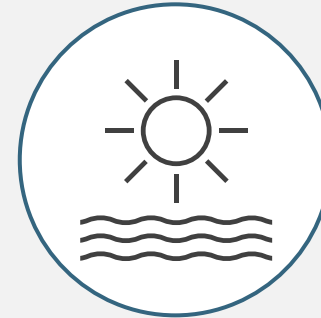
60+

Miles of Stream
Permanently
Protected



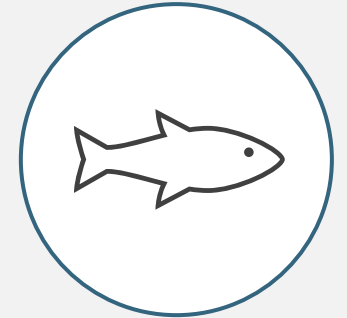
1.4MM+

Trees
Planted



5,000+

Acres of Tidal
Marsh Restored

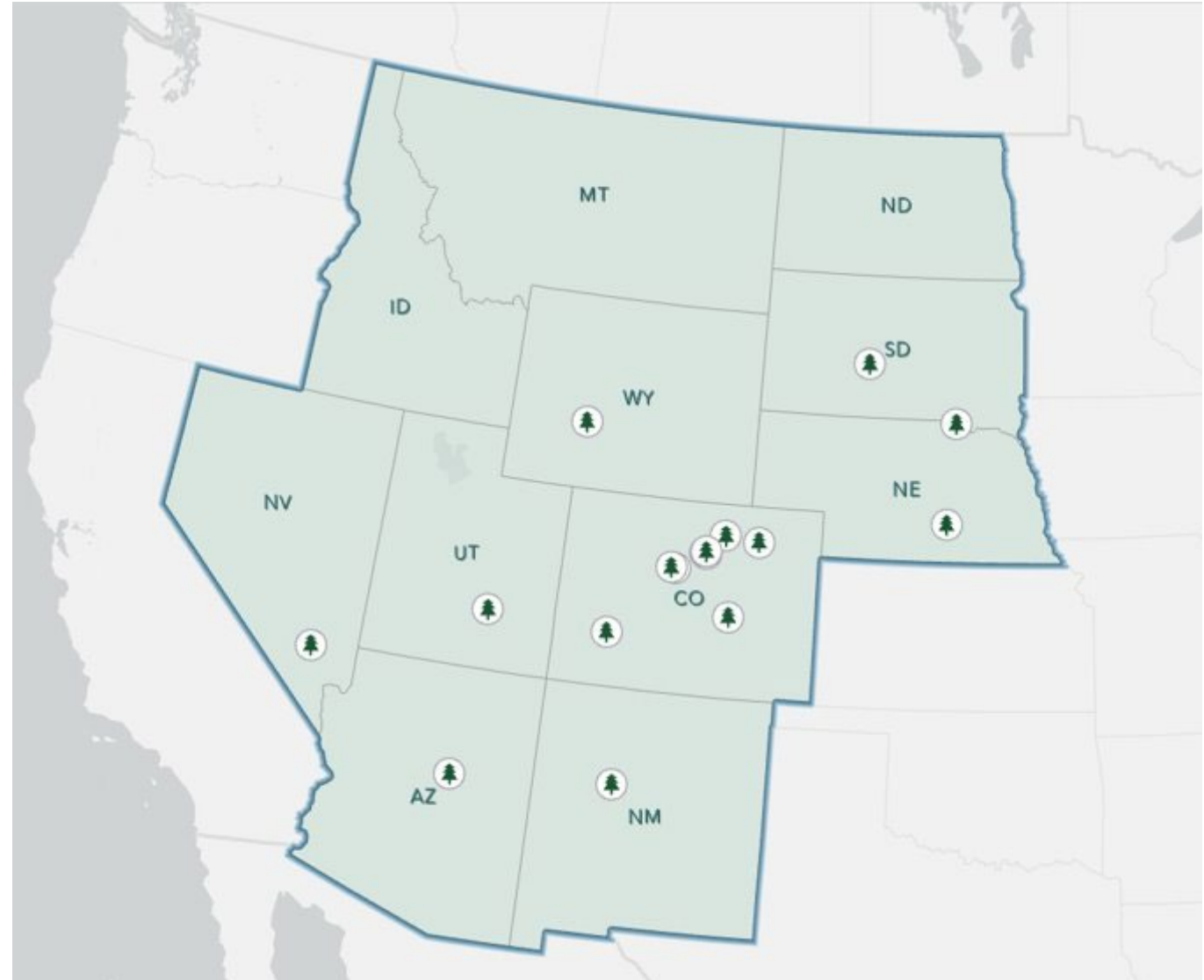


50+

Protected Species
and Species of
Special Concern
Managed

Rocky Mountain Region

- Wetland and stream mitigation
- Species mitigation
- Permittee Responsible Mitigation
- Landscape-level geospatial analysis
- Voluntary stewardship & restoration
- Pollinator conservation



Colorado Wetland & Stream Mitigation Bank Experience

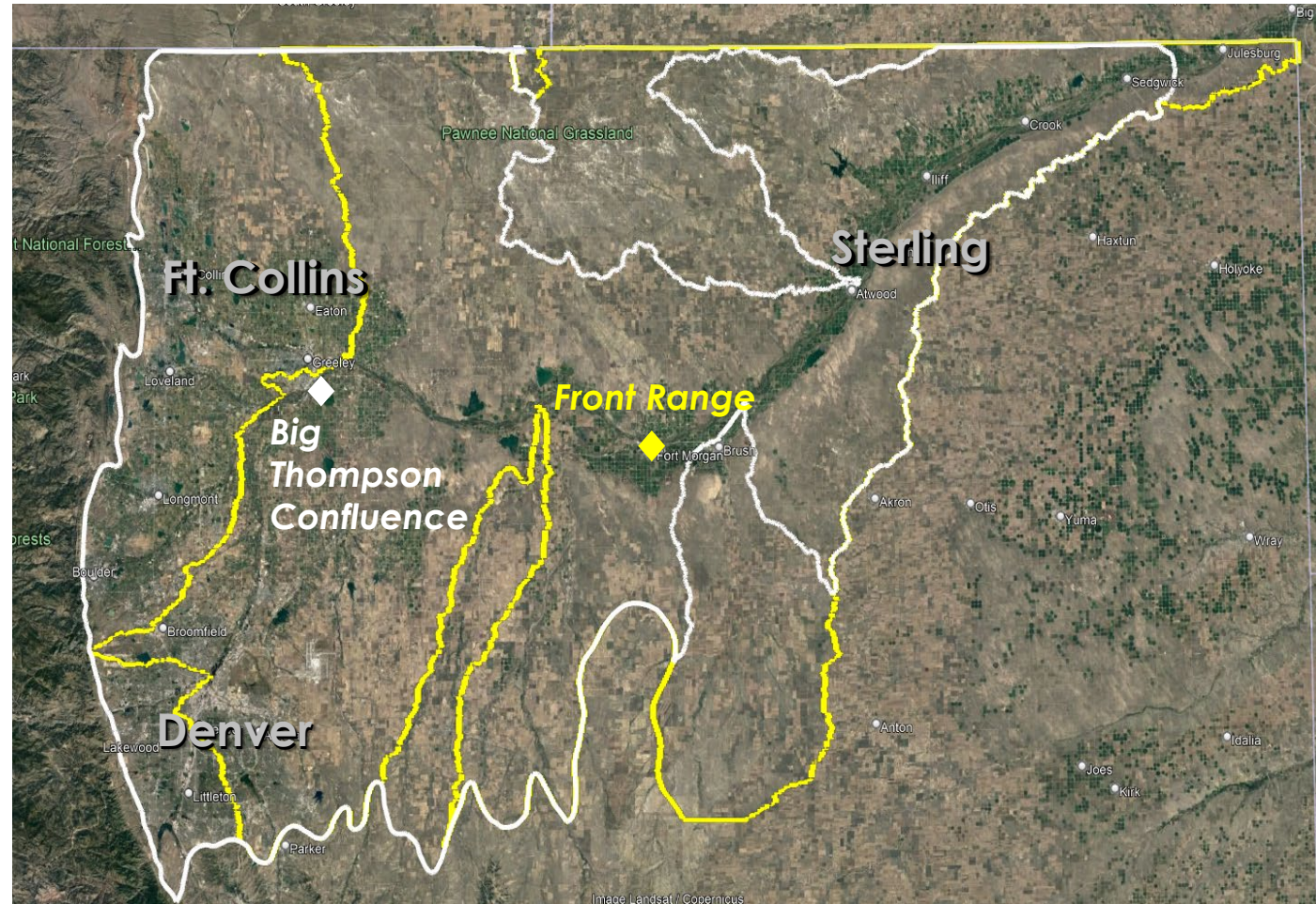
Big Thompson Confluence Mitigation Bank

- Wetland credits
 - 15 wetland credits available
 - 236 functional feet of stream credits available

Front Range Mitigation Bank

- Wetland credits
 - 19 wetland credits available

Currently working to establish mitigation sites in El Paso, Boulder, and Summit Counties

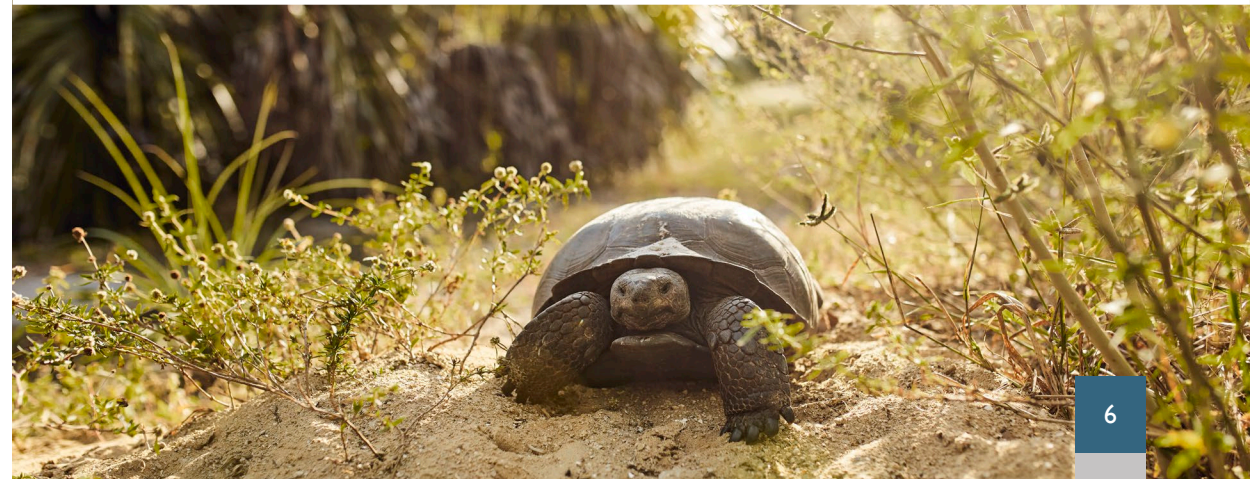


Species Mitigation Experience

20,000 acres+ of species conservation

Developing species solutions for industry:

- Upstream
- Midstream
- Renewables
- Water infrastructure



Compensatory Mitigation

Providing landscape-based solutions to offset impacts to wetlands, streams, or species



404 Stream and Wetland Mitigation

The 2008 Mitigation Rule defines:

Impact Hierarchy

- Avoid
- Minimize
- Mitigate

Mitigation Hierarchy

- Mitigation bank
- In-lieu fee program
- Permittee responsible mitigation



Big Thompson Confluence
Mitigation Bank

404 Compensatory Mitigation Bank

- Restoration occurs before impacts
- Credits
- Large scale projects; ideally located
- Ensured performance
- Service area



404

In-Lieu Fee Program

- Restoration occurs after impacts
- Credits
- Potential for large scale projects
- Ensured performance
- Service area

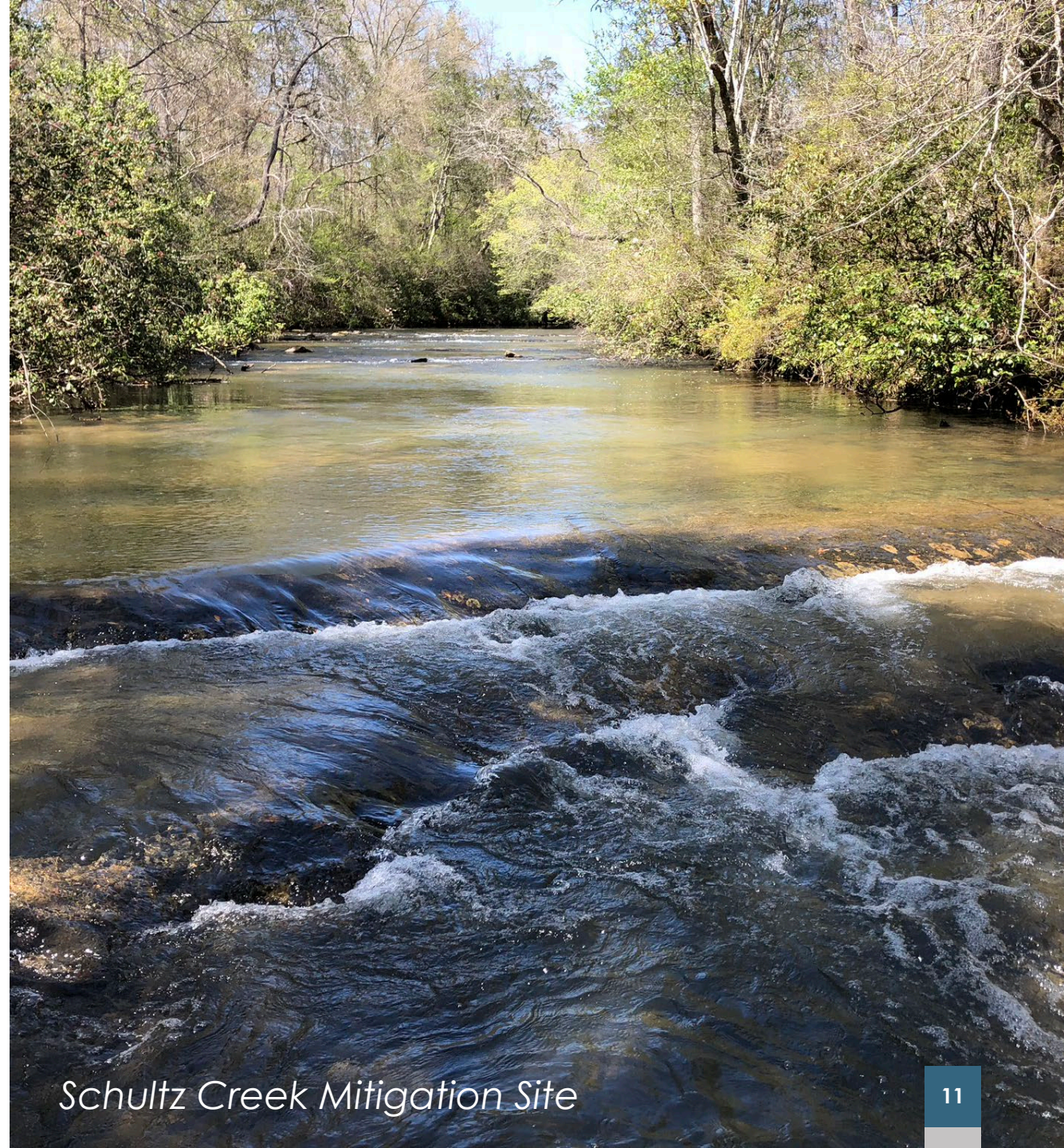


Soda Creek Mitigation Site

404

Permittee Responsible Mitigation

- Closer proximity to impacts
- Specific project
- Permittee responsible for project success
- Less regulatory oversight



SB 19-181

- Signed & Effective April 16, 2019
- Form 2 & 2A
- Requires consideration/mitigation of certain wildlife (Rule 1200)
- Rule 1200 Mitigation:
 - Direct Impact Habitat Mitigation Fee
 - Compensatory Mitigation Plan



COGCC FORM INSTRUCTIONS FORM 2 AND FORM 2A LOCAL GOVERNMENT INFORMATION

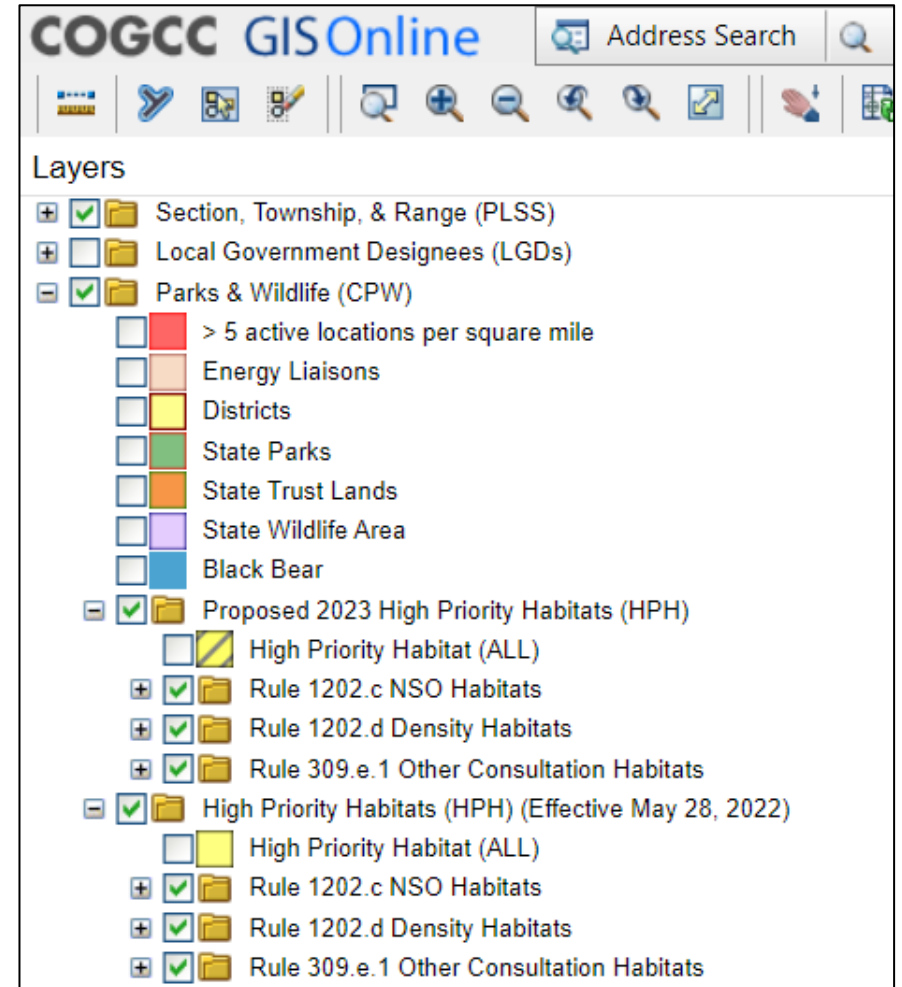


CPW High Priority Habitat

Species/areas subject to Rule 1200:

- 14 birds
- Several bats
- Bighorn sheep
- Elk, bighorn, pronghorn, and mule deer migration corridors and essential winter habitat
- Certain waters
- CPW-owned State Wildlife Areas/Parks

https://cogccmap.state.co.us/cogcc_gis_online/

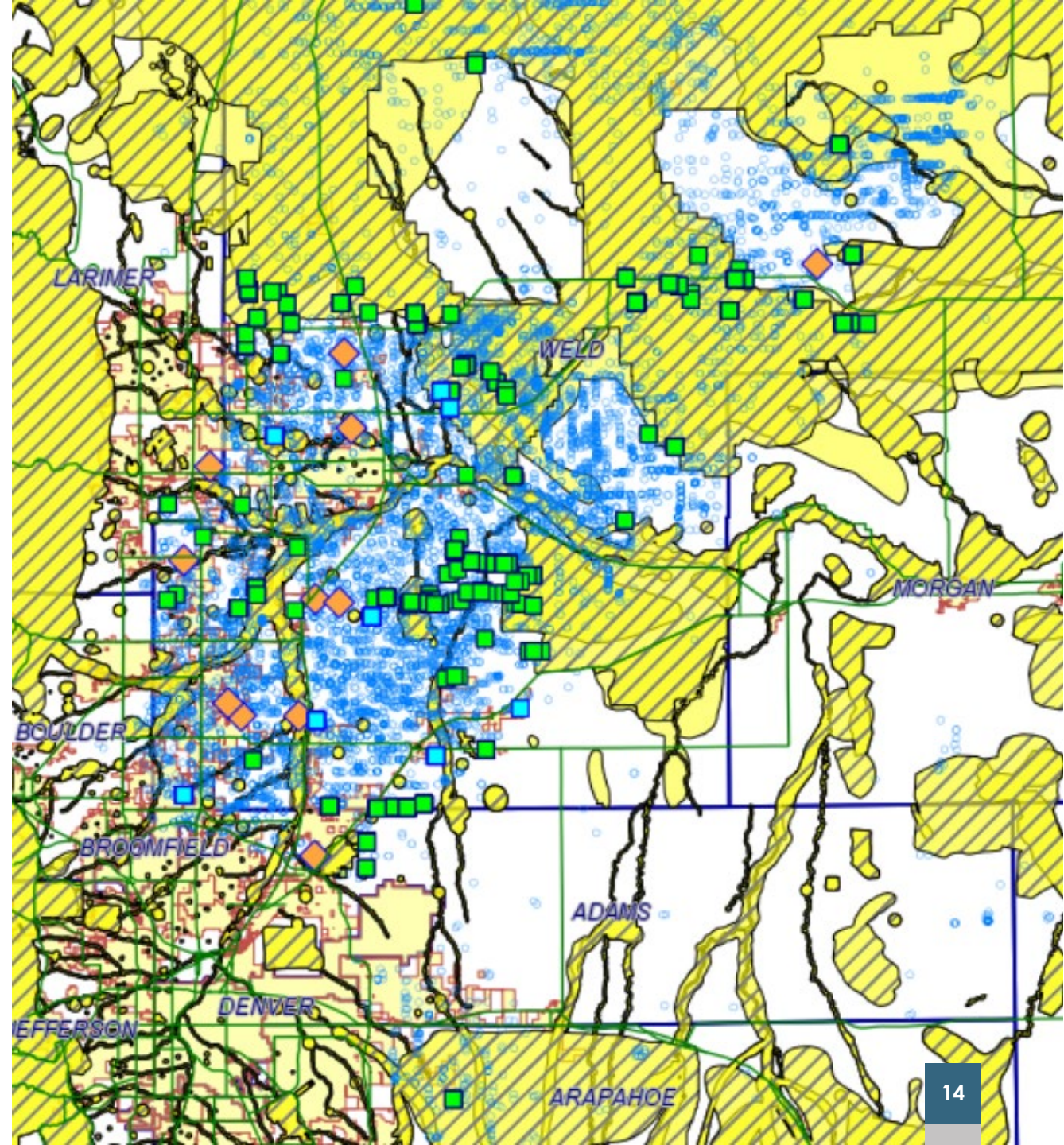


HPH Mitigation

Compensatory Mitigation Plan

Milestone based approach

- Prospectus
- Purchase/mitigation rights option
- Plan submittal
- Approvals
- Site protection





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Big Thompson Confluence Wetland Mitigation Bank, Post Restoration 2021