

Appendix I: Wetland and Riparian Best Opportunities Analysis

Best Opportunities to Conserve

1. Coal Creek

- Restoration work done in the past has been successful (birds responding positively)
- weeds still an issue but being managed
- hydrology supports northern leopard frogs and discourages bullfrogs
- significant corridor with continuity
- one of the only intermittent streams with significant riparian habitat.

2. Leopard frog ponds

- list individual ponds

3. Bull Gulch

- see Eldorado Mountain/Doudy Draw TSA plan
- in HCA which provides a higher level of protection from human disturbance

4. Maintenance pond and associated wetlands

- *Spiranthes* and *Eleocharis rostellata* and native fish
- restoration work done recently (removal of crack willow around pond)

5. Native fish ponds (provide opportunities to conserve native fish)

- These ponds are too small to provide any recreational fishing opportunities. Other similar ponds on OSMP are being evaluated for native fish (see BO to restore section below).

6. Tallgrass west enclosure

- small grazing enclosure with remnant *Spartina* stand.

7. Schneider Draw

- possible native fish refugia in pond
- good example of ephemeral riparian shrub drainage

8. Ryan

Best Opportunities to Restore

1. South Boulder Creek from South Boulder Road to Hwy 93 (including Rolling Rock property)

- in state natural area
- Weeds (teasel) and bullfrogs of concern
- grazing management
- *Spiranthes* patches, Prebles
- floodplain management a concern
- potential for \$ (DWB) to do aquatic restoration
- instream flow water right
- instream restoration work done in the past, currently being done
- fish passage
- rare *Baetis*

2. Eggleston 3

- hydrology can be managed for northern leopard frogs. Bullfrogs present now.

3. Jewell mountain pond

- grazing can be managed to improve shoreline habitat for shorebirds, turtles.

4. Spring Brook

- area of ongoing restoration
- *Amorpha nana* habitat
- northern leopard frogs but no bullfrogs
- high trail/road density (a negative)

5. Leopard frog/bullfrog ponds
6. Doudy Draw
 - current efforts to remove trails and trail crossings
 - weeds an issue
7. SBC above Hwy 93
 - instream flow right - could use more
 - weeds
 - ownership
 - fish passage opportunities
8. Floodplain wet meadows north of S. Boulder Road (Gebhardt, Burke, Burke II, Kentucky)
 - Constricted by development, trails
 - Bobolink habitat, *Spiranthes*, *Rotala*, *Apios*, Prebles
 - Frogs?
 - Teasel (too much irrigation?)
9. Dry Creek to 75th Street
 - dogs, trail on Klein
 - possible grazing management
 - Low on the list of restoration sites
 - Native fish
 - restoration work ongoing and done in the past
10. Sombrero Marsh
 - significant restoration efforts done in past
 - weeds
 - BCP significant ecological resource
11. Confluence Area (Boulder Creek, South Boulder Creek)
 - part of confluence planning area
 - fill area and road grade present opportunities for restoration
 - weeds

- high recreation area
 - prairie dogs
 - partnership opportunities with other city depts.
 - include Short-Milne where fish passage on Green Ditch and weeds are issues
12. Lower Boulder Creek HCA
- Only population of *Eustoma*
 - *Spiranthes*
 - Bald eagle nesting
 - Heron rookery
 - native bindweed
 - some of best riparian bird habitat
 - HCA
 - low trail density
 - Russian Olive, teasel, crack willow removal
 - Culver wetland mitigation
 - cottonwood regeneration opportunities
 - fencing of riparian area
13. Hart Jones
- example of few remaining low ranked occurrence of G2 inland salt meadow
 - weeds
 - restore hydrology
 - protect more of the area
 - may be an opportunity to conserve instead of restore.
14. Lousberg
- unique groundwater fed system
 - restoration of native wetland communities
 - Grazing and weed management
 - low ranked opportunity
 - native fish refugia

15. Teller Lake (south) put under frog restoration ponds
 - Leopard frogs and bullfrogs

16. Mesa Reservoir
 - migratory bird habitat
 - ongoing restoration
 - native fish

17. Gallagher
 - restore irrigation to support wetlands

18. Papini
 - possible native fish and frog restoration

19. BLIP ponds
 - possible native fish refugia
 - northern leopard frog and bullfrogs
 - tiger salamander
 - manipulate water levels to support northern leopard frogs and native fish

20. Bennett pond
 - restore to native fish and L frog habitat

21. Stratton ponds
 - native fish restoration site

22. Andrea pond
 - native fish restoration site

23. Beech wetlands west of Lefthand Valley Reservoir
 - plug ditches to raise water table
 - low priority project

24. Axelson hillside seeps
 - *Lobelia* and *Eleocharis rostellata*
 - teasel and a little purple loosestrife
 - opportunity to control weeds and restore native wet meadow

25. Boulder Valley Ranch
 - weed management and grazing management could improve wetland conditions
 - further investigations needed to determine best opportunities
 - low potential and priority

26. Jewell pond
 - northern leopard frog, western painted turtle and shorebird habitat
 - grazing management or fencing could improve shoreline habitat and reduce WQ impacts.

*Ditches (how can these be managed to best support riparian functioning).

*Upper terrace wet meadows (Van Vleet-315, 331, Church, Yunker, Suitts, etc.)

- Bobolink habitat