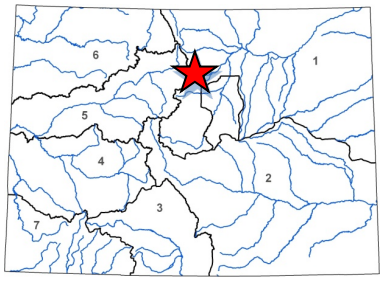
COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Lower South Boulder Creek Watershed Restoration Phase II
Colorado Trout Unlimited
March 2022 Board Meeting

Water Plan Grant Program Application

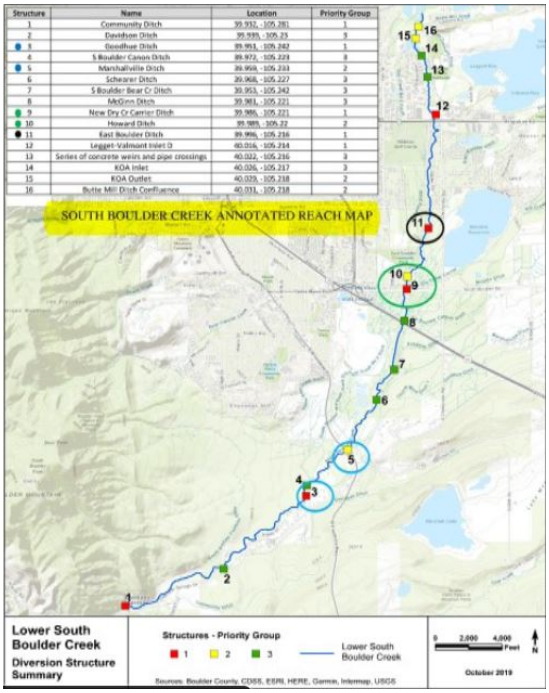


LOCATION	
County/Counties:	Boulder
Drainage Basin:	South Platte

DETAILS	
Total Project Cost:	$502,000
WPG Request:	$250,000
Recommended amount:	$250,000
Other CWCB Funding:	$0
Other Funding Amount:	$0
Applicant Match:	$174,000
Project Type(s): Design	
Project Category(Categories): Environment & Recreation	
Measurable Result: 100% designs on 2 ditches and preliminary designs on 2 ditches	

The current Phase I of this project has focused on preliminary designs for high priority structures with modifications that are primarily to allow low flow passage and administration, but also incorporate modifications to improve channel connectivity and habitat. In preparing the conceptual designs in Phase I, the project team prioritized modifications needed to address:

- Low flow management/passage
- Restoring channel connectivity for fish/aquatic organism passage
- Improving operational efficiency, where possible
- Improving stream resilience and proximate habitat



Phase II will focus on progressing engineering designs and associated permitting for four priority structures. Designs will also include automated gate actuators and upstream/downstream/down-ditch networked flow measurement design elements. All efforts have been and continue to be in partnership with local stakeholders, including the City of Boulder, City of Lafayette, Denver Water, City of Louisville, Boulder County, and the four targeted ditch owners

This project will accomplish the following:

- Develop 100% design of modifications for two diversion structures: New Dry Creek Carrier and Howard
- Permitting required for a future construction phase of work
- Develop preliminary engineering design for modifications of two additional structures to the level required to commence RFP process(es) required for a final design and permitting future phase of work: Goodhue and Marshallville
- All work will be accomplished using sound design incorporating the latest knowledge of the local species and passage techniques. Appropriate aquatic management practices will be followed to maximize fish passage goals, with realistic expectations of barrier operators, and in accordance with practices supported by Colorado Parks and Wildlife and US Fish and Wildlife Service.