Swan River Restoration Project
Reach A Location & Details

Source: ERC, 2013
Reach A - Construction

(June 23, 2016)
Reach A - Revegetation
Installed 340 plantings from Colorado State Forest Service Nursery across the site in five plant clusters.

- Rocky Mountain Juniper = 90
- Woods Rose = 100
- Engelmann Spruce = 60 plants
- Aspen = 90 plants

(June, 2017)
Installed 2,482 plants from across the site in multiple planting clusters.

- Willows = 2,264 (1,200 harvested adjacent to the site on County property)
- Woods Rose = 65 (5 gal)
- Sagebrush = 85 (5 gal)
- Colorado blue spruce = 37 plants (6 – 8 feet)
- Aspen = 31 plants (1, 2, and 3 inch multi- and single-stem)
Reach A - Revegetation

(August, 2017)
Habitat Restoration

- 2017 CPW Fish Survey
  - Early results positive
    - Mottled sculpin
    - Young of the year trout
    - Single cutthroat trout in Muggins Gulch

- Large mammals
  - Elk & moose observed onsite
Plans for 2018 – Reach A

Reach A
• Riparian and Upland Plant Irrigation
• Native seed collection and distribution
• Weed management
• Ongoing Project Monitoring
  – Multiyear CWCB Monitoring Grant
• Possible reintroduction of public access in 2019

Fish survey with CPW – October 2017
Reach B Project Planning

CONSTRUCTION REACHES

Reach    PROPOSED CHANNEL CENTERLINE
A     0+00 - 32+50
B     32+50 - 67+50
C     67+50 - 120+00
D     120+00 - 150+55

(Reach B)

Public Open Space

Reach A
Reach B Implementation

• In 2017, the BOCC authorized Open Space and Trails to solicit bids from outside contractors to continue rock removal under existing Summit County’s State Mining and County Conditional Use permits
• Follow same general approach and all permit requirements as Reach A
Reach B - Implementation

Per the terms of this lease agreement with Schofield Excavation:

- Collect **royalty payments** on all material leaving the site
  - dedicated towards the restoration of public Open Space in the Swan River Valley (Reach B)
- **Rough grade** the future stream channel, riparian, and upland areas
- **Produce material** required for constructing the future stream channel
- **Import and place suitable soil** for the riparian and upland restoration areas
- County and Town able to **purchase manufactured materials for things like road base at a reduced cost** compared to the open market
Ongoing Swan River Restoration Goals

- Continue restoration of Stream Reach B (remainder of County/Town Open Space) based upon recent successes
- Work with partners and stakeholders to restore dredged Swan Valley on public and private properties
- Work with upstream private land owners to implement restoration work
Project Partners and Supporters

Public Agency
• US Forest Service
• Town of Breckenridge
• Colorado Basin Roundtable & Colorado Water Conservation Board
• Colorado Parks and Wildlife
• US Fish and Wildlife Service
• US Environmental Protection Agency
• Colorado Division of Water Quality
• Colorado Division of Minerals and Geology
• US Army Corps of Engineers

Non-profit and Private
• Blue River Watershed Group
• Friends of Dillon Ranger District
• Trout Unlimited
• National Forest Foundation
• Peak Materials
• Adjacent private landowners