

Warm Springs Preserve

City Council and Planning & Zoning
Joint Session

November 15, 2022



WOOD
RIVER
LAND
TRUST



SUPERBLOOM



Agenda

intro

TEAM
PROCESS

1

PUBLIC ENGAGEMENT

Completed Meetings
Feedback Received to Date
Project Principles

2

DESIGN CONCEPTS

Opportunity Areas
Restoration Approaches

3

PHASING

Timeline
Budget

questions, feedback, next steps

Team

Project Partners



City of
Ketchum



Wood River
Land Trust



Friends of the Warm
Spring Preserve
Committee

Design Team



Superbloom

Denver, CO

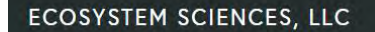
Community Engagement,
Landscape Architecture



Rio Applied Science &
Engineering

Boise, ID

Engineering,
Geomorphology,
Hydrology



Ecosystem
Sciences

Boise, ID

Ecological Systems



North Fork Native
Plants

Rexburg, ID

Native Plants for
Restoration

Process





Public Engagement

A summary and review of public
events, meetings and feedback
that was received

Public Open House
September 13, 2022

What is the nature of
Warm Springs Preserve?



Your Feedback

The City of Ketchum has received over 200 written comments and letters, and held four public events, conducted an online survey and held bi-weekly/monthly meetings with Friends of the Warm Springs Preserve Committee, since June 2022 after the property transfer,

Public Events To Date

Public Meetings, Online Surveys, Website & Social Media, Stakeholder Meetings, Other Events

- | | |
|--------------|------------------------------|
| June 21 | Summer Solstice Celebration |
| September | Online Survey |
| September 13 | Public Open House #1 |
| September 14 | Joint Council P&Z Meeting #1 |
| November | Online Survey |
| November 14 | Public Open House #2 |
| November 15 | Joint Council P&Z Meeting #2 |



Public Open House #1

September 12, 2022



Public Open House #2

November 14, 2022



Big Picture Feedback

ACCESS

Access improvements, and when that might occur

ENVIRONMENTAL PROTECTION

Habitat enhancement and protecting existing ecosystems

RESTORATION

Extensive support for creek restoration, native plant species, reduced irrigation

HOMEOWNERS

Creek homeowners are concerned about how this impacts their property & view

DOGS

Park management & relationship between dogs, people and wildlife, waste management

ACTIVITIES

Nordic skiing, bike racks, potential to consider bike through path or fat bike in winter?

HARDSCAPE/IMPROVEMENTS

Preserve the open space with minimal hardscape & built improvements, pave parking lot

SOUTHERN PROPERTY

Excitement for the expansion

FACILITIES

flush toilets, ADA and HC are important

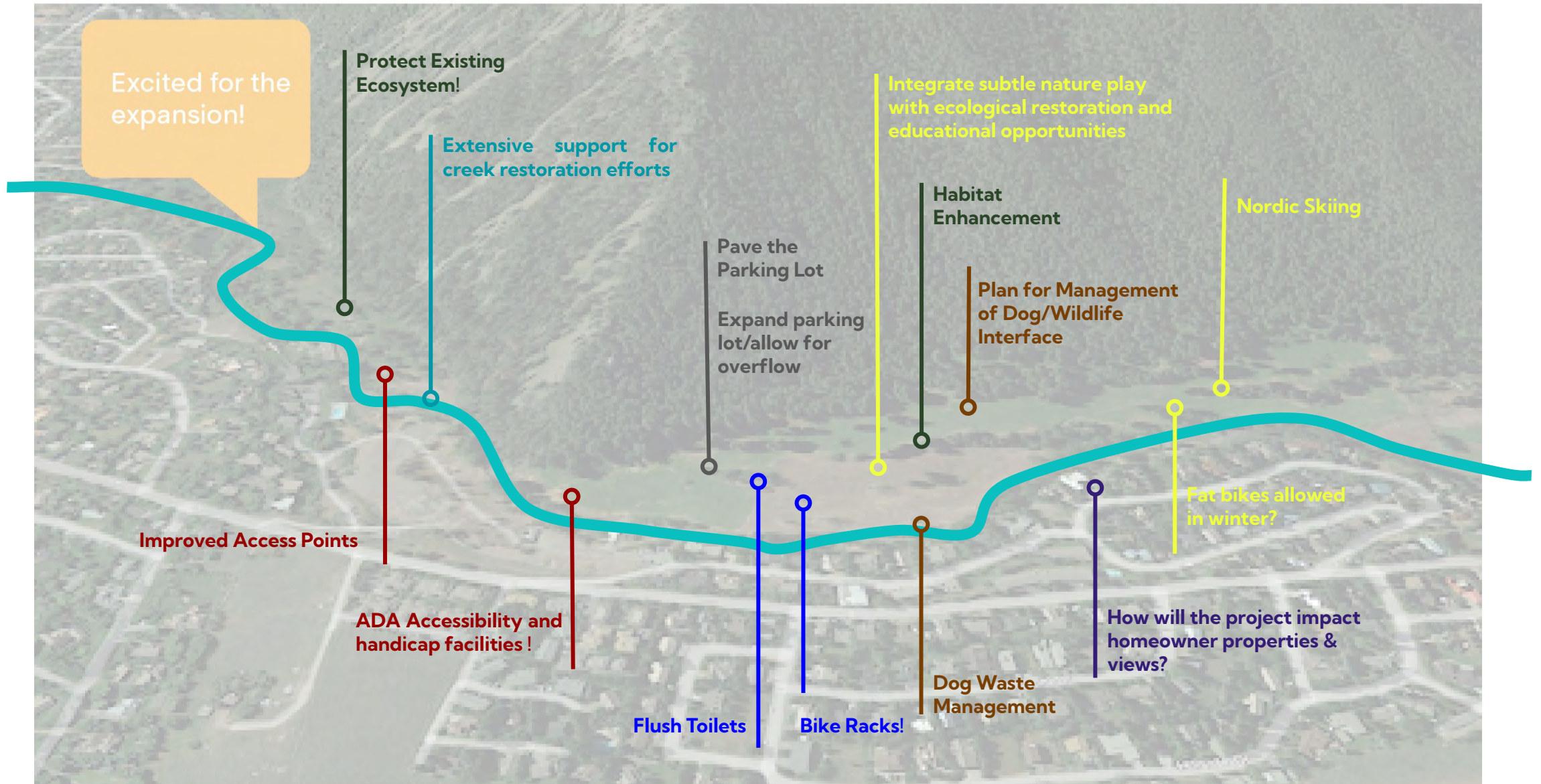
PARKING

Plan for overflow parking or expansion of existing parking

AMENITIES

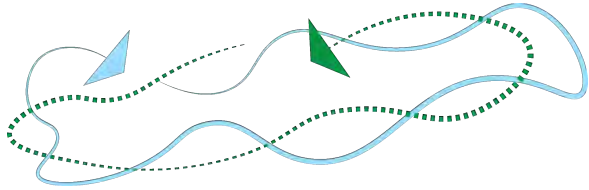
Subtle 'nature play' integrated with ecological restoration and educational opportunities

Big Picture Feedback



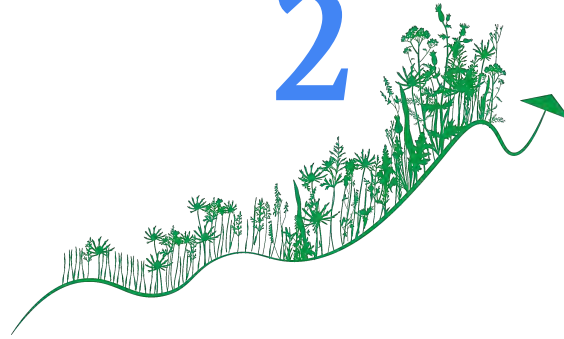
Project Principles

1



Create a Preserve that is
Connected and Accessible to All.

2



Design for Success over Time

3



Support All-Season
Multi-Functional Use

4



Demonstrate Leadership through
Regeneration of Healthy Ecosystems for
People, Plants & Animals

5



Restore the Creek and
Floodplain

6



Celebrate & Educate about the
Past, Present and Future of the
Preserve

Existing Project Commitments

Warranty Deed

(1) or more 10-ft w pedestrian trail for walking/skiing

(1) pump house

(1) public restroom

(1) storage building (1000sf max)

Floodplain restoration

(24) parking stalls

Community Commitments

New Irrigation System that reduces water use

Flood mitigation

Restoration of riparian zone & floodplain

Creek & Habitat Restoration

Passive park for Open Space in Perpetuity

Off-Leash Dog Access

Informal Activities (disc golf, dog walking, etc.)

Informal gathering space (picnic tables, etc.)

Nordic Trails

Disc Golf

Public Restroom



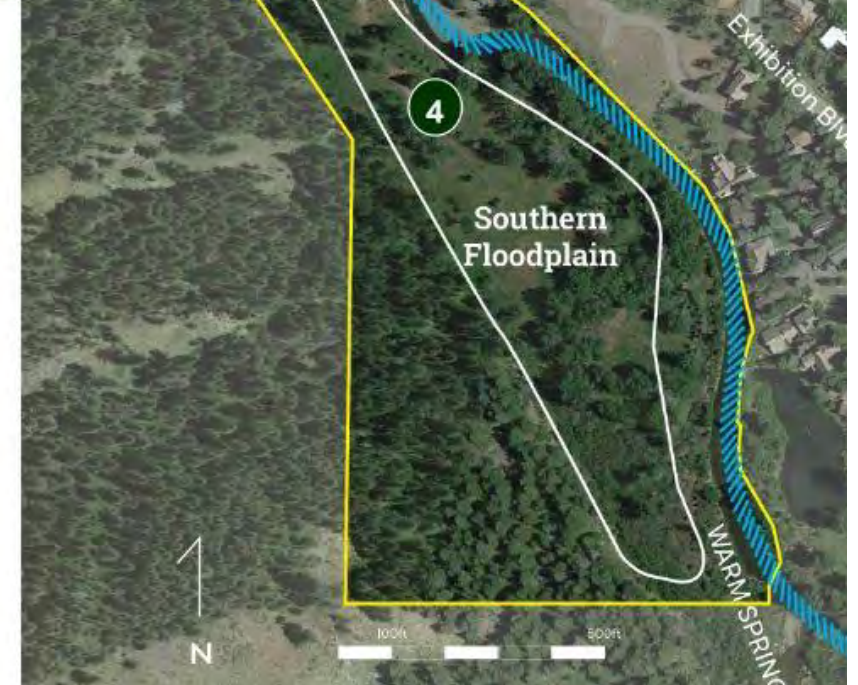
Access & Circulation

WSP Areas



Opportunity Areas

- 1 Upper Fairway
- 2 Middle Terrace
- 3 Lower River Edge
- 4 Southern Floodplain
- 5 The Woods
- 6 The Creek
- ★ Amenity Zone



2

Design Concepts

Conceptual design ideas for
restoring and preserving the
primary opportunity areas at
Warm Springs Preserve

Historic Geologic Sections

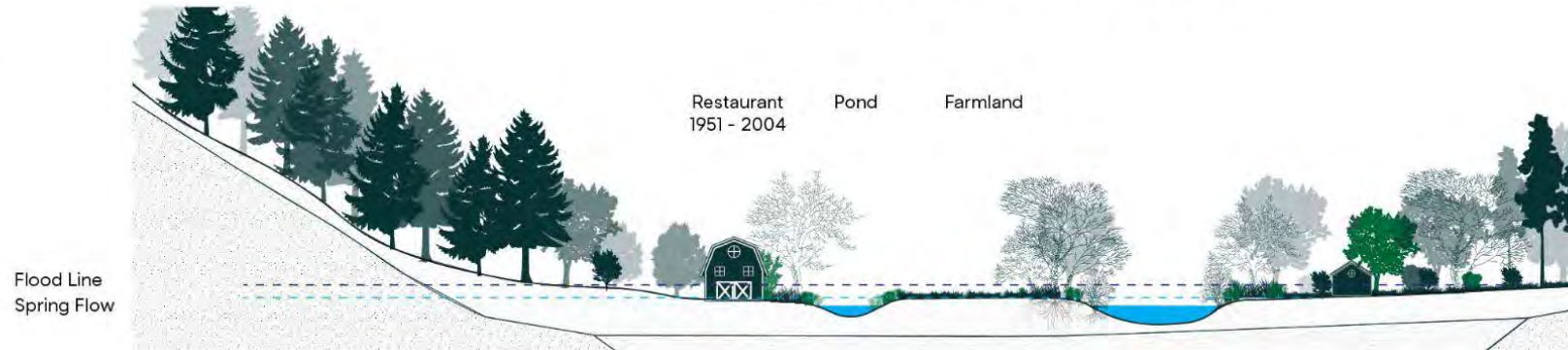
Alluvial Floodplain Pre-1800

In this condition, the area where Warm Springs Preserve currently exists acted as an alluvial floodplain containing multiple meandering streams and floodable areas.



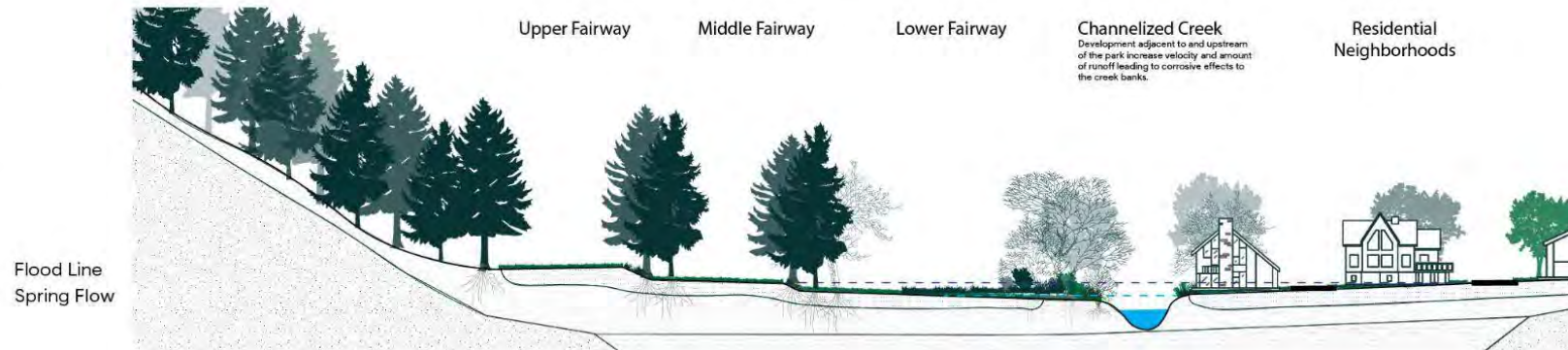
Farm + Restaurant 1800 - 1950s

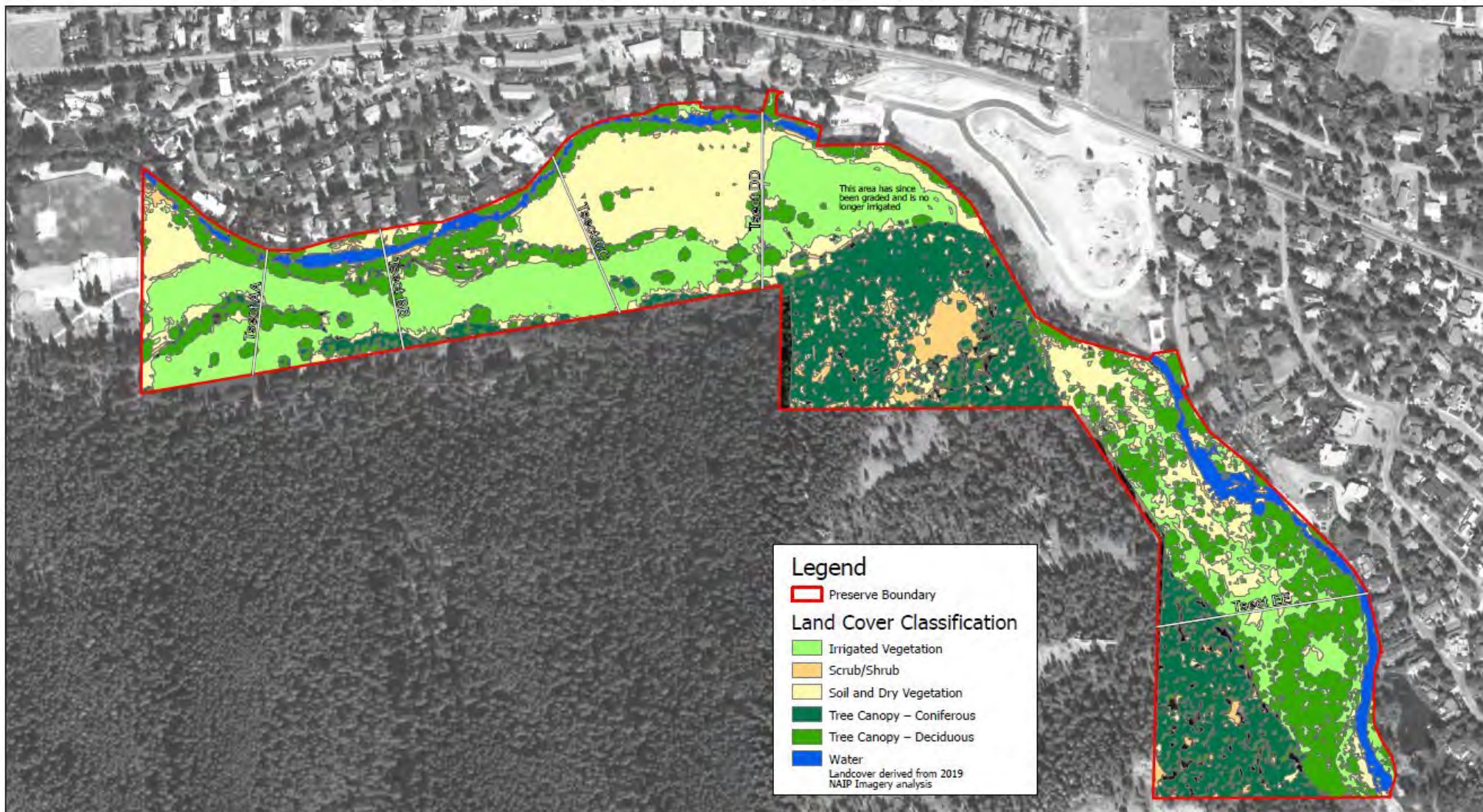
As people moved to the area and used the land for other purposes such as farming and recreation, the floodplain was lost.



Golf Course 1960 - 2009

Intensified development has limited the creek's natural ability to move and flood healthily. As the development and weather patterns change, the threat to residents and the creek itself will intensify.

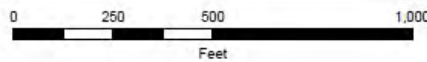




Warm Springs Preserve

Land Cover Classification

Figure 2



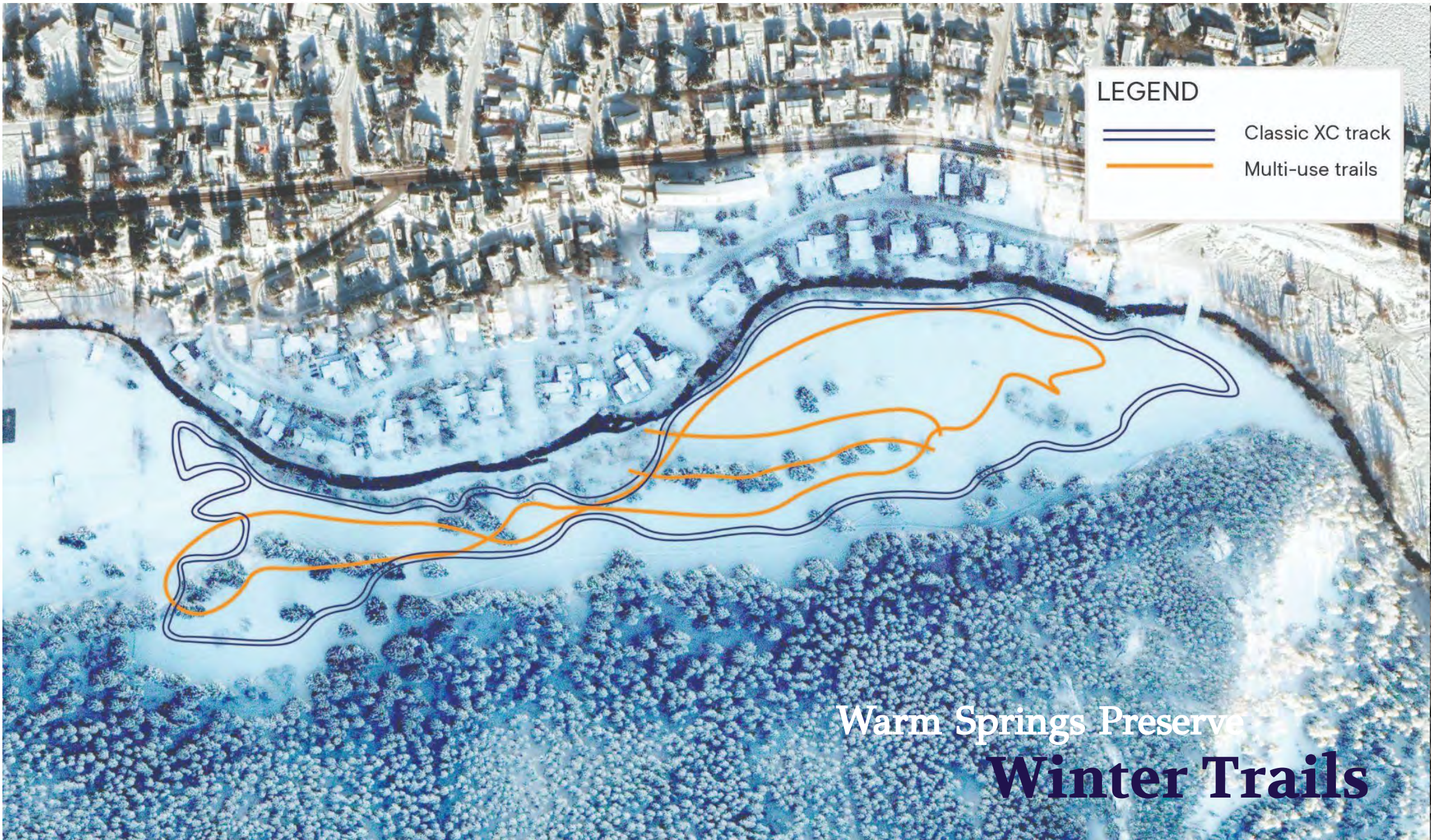
Ecosystem Sciences, LLC
Science Design Planning

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- 1** Upper Fairway
- 2** Middle Terrace
- 3** Lower Creek Edge
- 4** Southern Floodplain
- 5** The Woods
- 6** The Creek
- 7** Improved Parking & Facilities





LEGEND

- ==== Classic XC track
- Multi-use trails

Warm Springs Preserve
Winter Trails

WARM SPRINGS PRESERVE



WARM SPRINGS PRESERVE

Winter Trails

Focus Areas

In this stage of the process, we would like your feedback on these driving design elements:



Entry & Parking Area



Creek Restoration & Access



Southern Floodplain

Entry & Parking

ADA ACCESSIBLE VIEWING PLATFORM

RESTORED FLOODPLAIN
(non-irrigated with native riparian plantings)

ADDITIONAL SCREENING

CULVERT

SOFT SURFACE TRAILS

CULVERT

24 PARKING SPACES,
INCLUDING 4 HANDICAP
ACCESSIBLE SPACES
(ASPHALT PAVING)

ADA
ADA
ADA
ADA

AVALANCHE ZONE

Improved Connector Trail to
Southern Property & Creek

LIMITED CONCRETE PATHWAYS NEAR
HANDICAP PARKING



BIKE RACKS



BENCHES



SOFT SURFACE
ADA TRAIL

FAIRWAY LAWN
(preserved w/updated irrigation)

Scale - 1:20





The proposed restroom and storage building will be compact and efficient while providing needed services and facilities to support the preserve. It will include two (2) toilets for year round use, storage for maintenance, water fountains for people and dogs, waste receptacles, donor wall to recognize community supporters, a trail map, bike racks and sheltered seating. This concept provides ample screening by placing the small structure in the existing grove of trees and augmenting the grove with additional screening.

Restroom & Storage Building



Floor Plan

Restroom & Storage Building



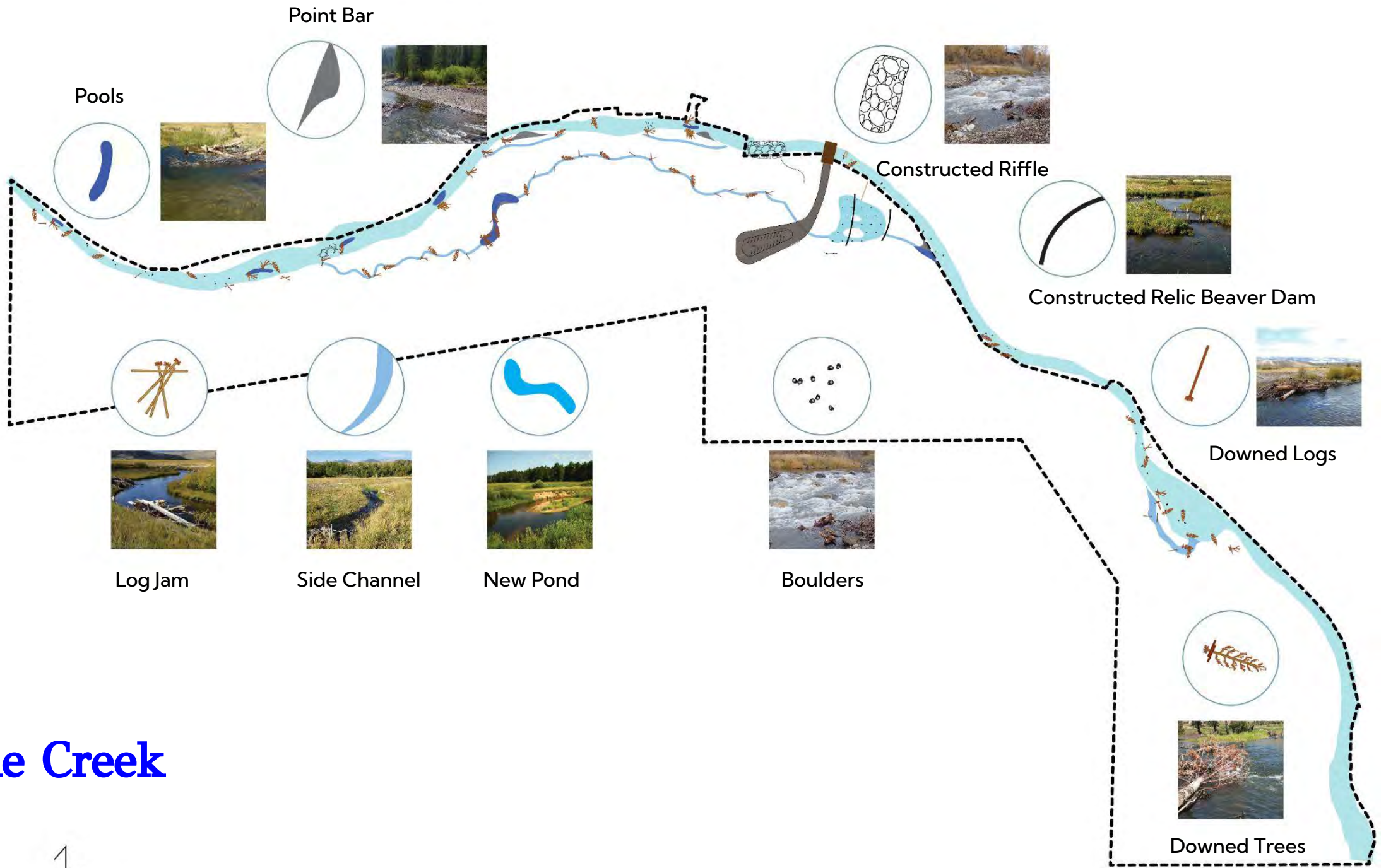
Views



Scale - 1:100

Lower Creek Edge & Restored Floodplain





The Creek





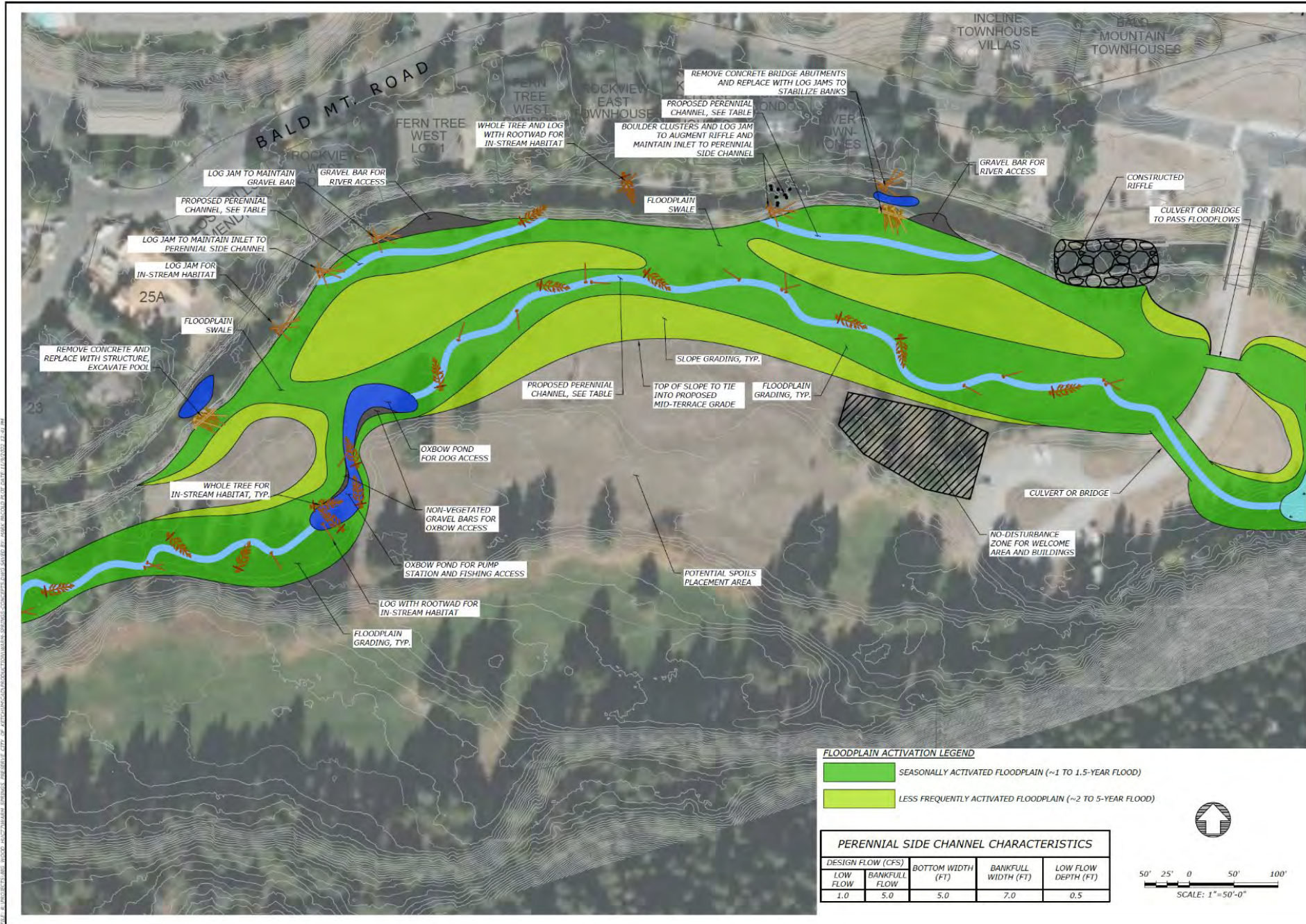
Applied Science & Engineering

WARM SPRINGS PRESERVE
 CONCEPTS
 CITY OF KETCHUM
 KETCHUM, BLAINE COUNTY, IDAHO

DATE: OCTOBER, 2022
 DESIGNED:
 APPROVED:

**WORKING DRAFT
 NOT FOR
 CONSTRUCTION**

DRAWING NAME
 CONCEPT PLANS
 OVERVIEW - 1
 DRAWING NO.
 SHEET -- OF 9

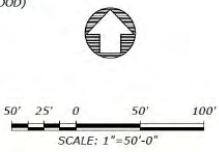


FLOODPLAIN ACTIVATION LEGEND

	SEASONALLY ACTIVATED FLOODPLAIN (~1 TO 1.5-YEAR FLOOD)
	LESS FREQUENTLY ACTIVATED FLOODPLAIN (~2 TO 5-YEAR FLOOD)

PERENNIAL SIDE CHANNEL CHARACTERISTICS

DESIGN FLOW (CFS)		BOTTOM WIDTH (FT)	BANKFULL WIDTH (FT)	LOW FLOW DEPTH (FT)
LOW FLOW	BANKFULL FLOW			
1.0	5.0	5.0	7.0	0.5



WARM SPRINGS PRESERVE
 CONCEPTS
 CITY OF KETCHUM
 KETCHUM, BLAINE COUNTY, IDAHO

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 APPROVED: _____
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 CONCEPT PLANS
 OVERVIEW-2
 DRAWING NO. _____
 SHEET - OF 9

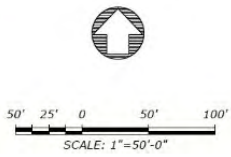
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FLOODPLAIN ACTIVATION LEGEND

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WARM SPRINGS PRESERVE
CONCEPTS
 CITY OF KETCHUM
 KETCHUM, BLAINE COUNTY, IDAHO

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 APPROVED: _____
 DRAWING NAME
 CONCEPT PLANS
 OVERVIEW-3
 DRAWING NO.
 SHEET -- OF 9



Applied Science & Engineering

WARM SPRINGS PRESERVE
 CONCEPTS
 CITY OF KETCHUM
 KETCHUM, BLAINE COUNTY, IDAHO

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 OVERVIEW-4

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Constructed Side Channel, One
Year After Construction

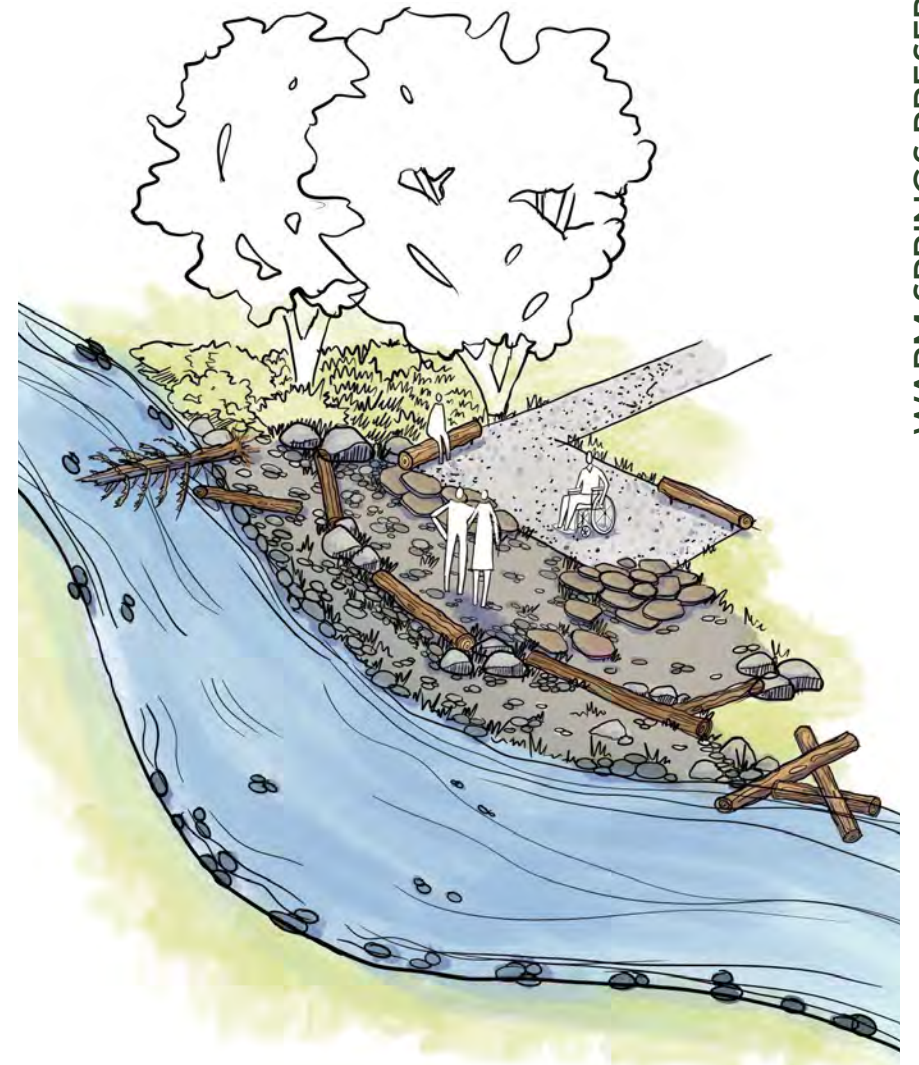


Natural Side Channel,
with Mature Vegetation





Point Bar Creek Access





Catherine Creek (tributary to Grande Ronde River)
•During Construction

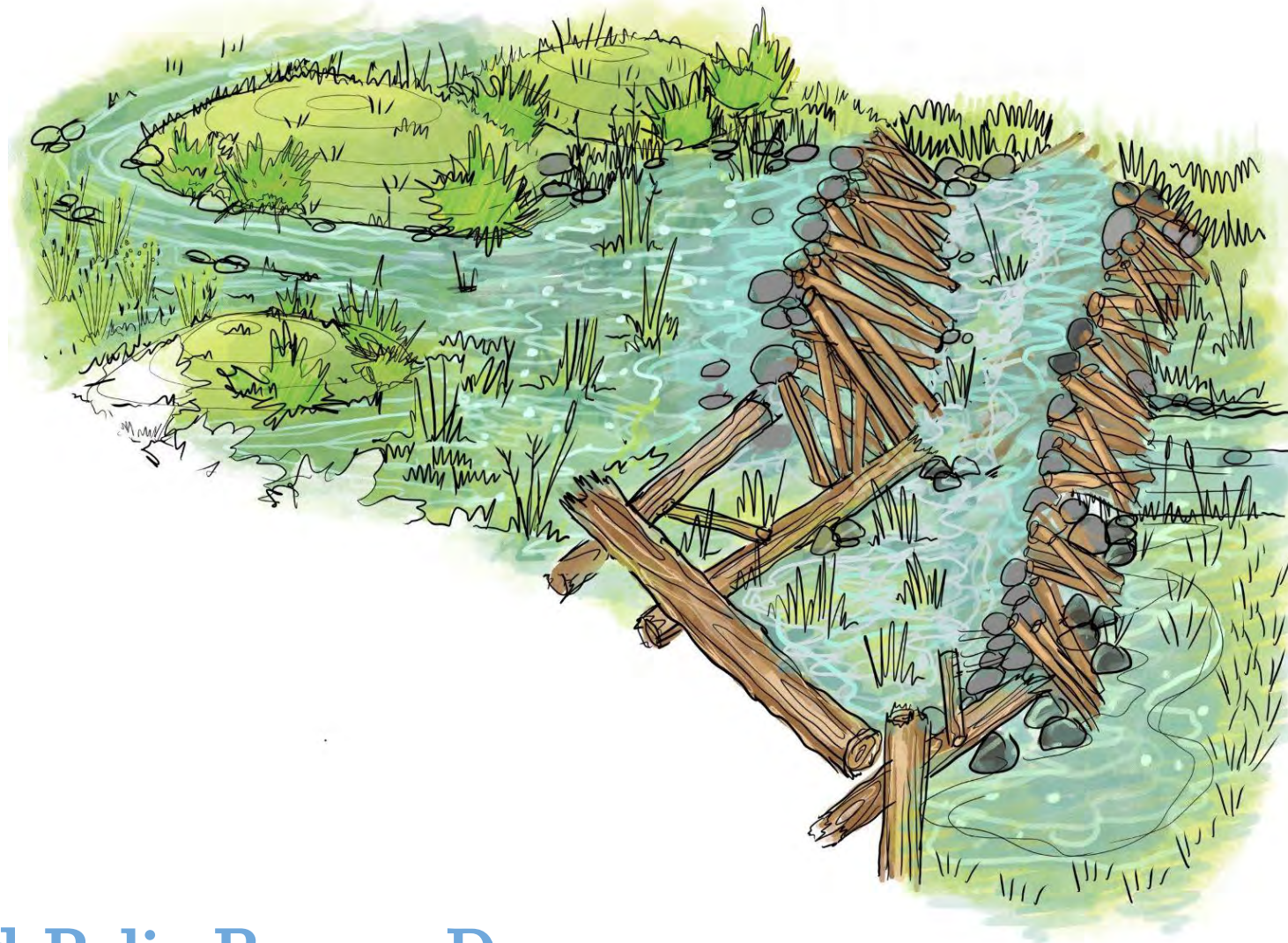
Lower Creek Edge



Natural Floodplain, with
Mature Vegetation
(Colorado Gulch)

Lower Creek Edge





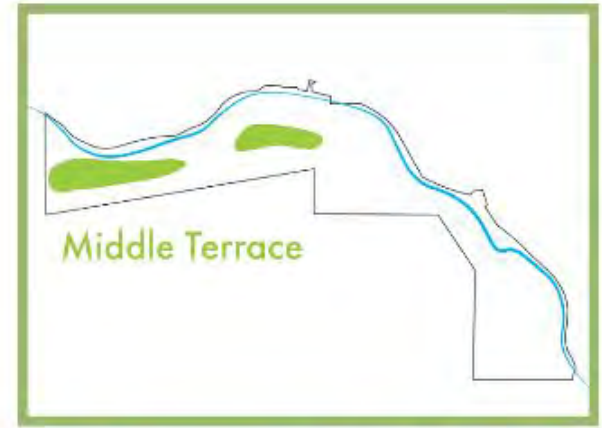
Constructed Relic Beaver Dam

Natural Beaver Dam, made from rock, soil and willow branches



Lower Creek Edge

Middle Terrace



AREAS TO RECEIVE FILL FROM EXCAVATED FLOODPLAIN, TO BE REVEGETATED WITH NATIVE WILDFLOWER MEADOW



Middle Terrace

Existing Condition



Middle Terrace



Example section showing berms with native grasses, forbs and shrubs.



Wheatgrass
Pascopyrum



Snowberry
Symphoricarpos



Bluebunch
Pseudoroegneria spicata



Idaho Fescue
Festuca idahoensis



Sagebrush
Artemisia tridentata



Arrowleaf
Balsamroot
Balsamorhiza sagittata



Ute Ladies' -
tresses
Spiranthes diluvialis



Desert Phlox
Phlox



Common Camas
Camassia quamash

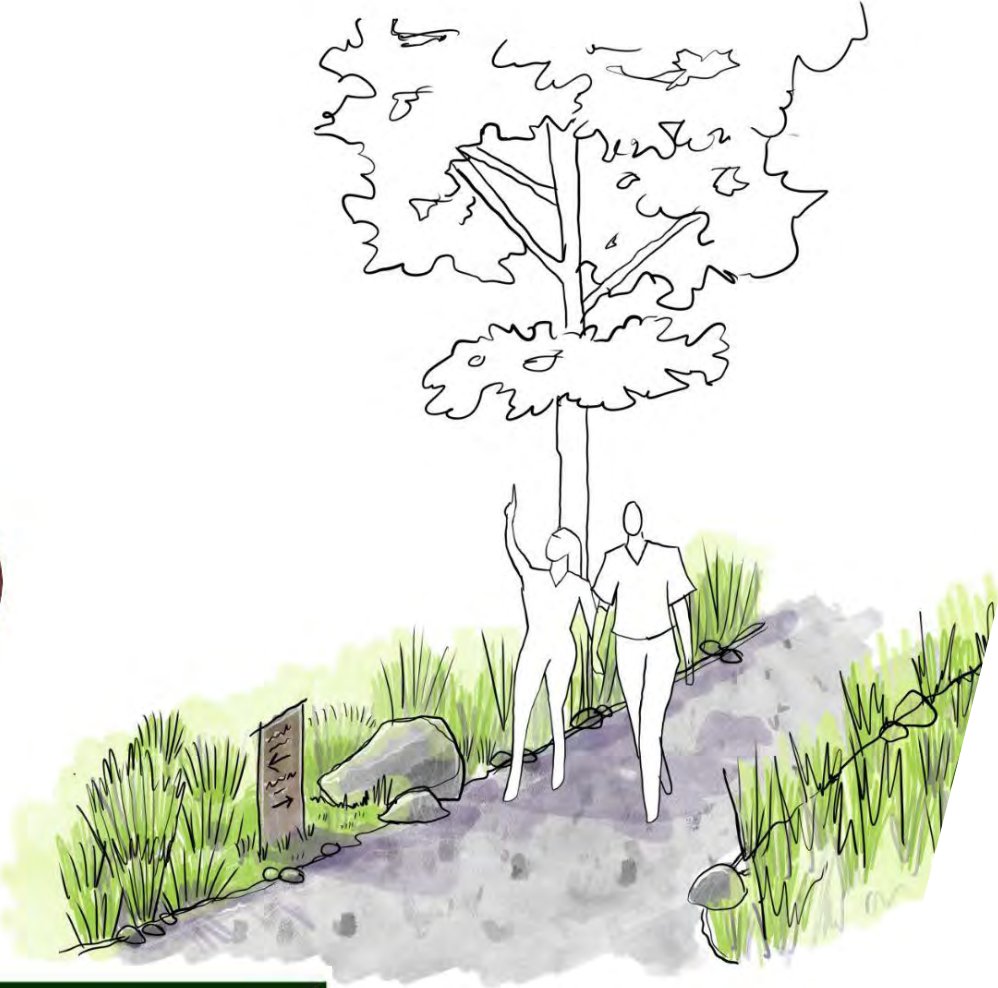
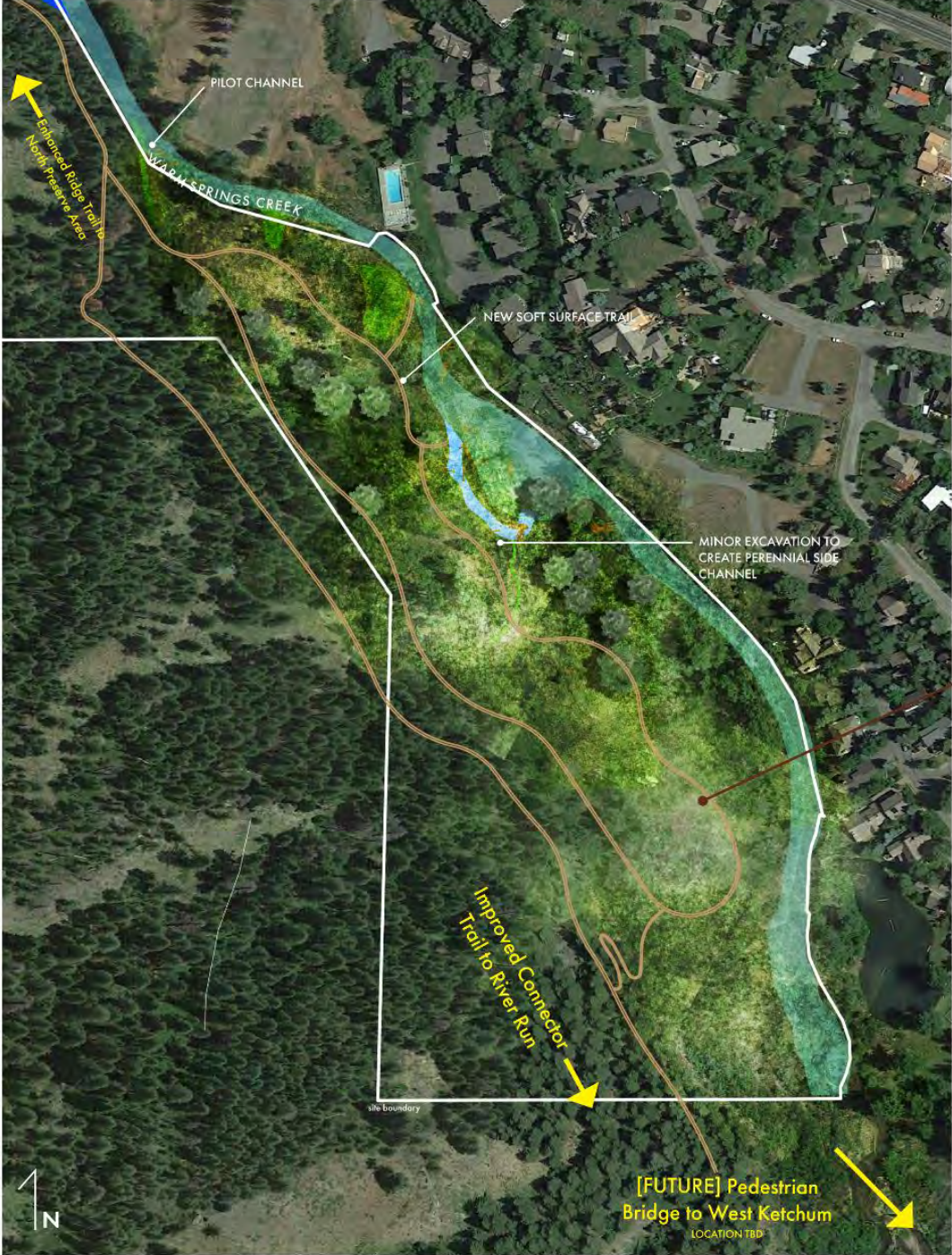


Pearly Everlasting
Anaphalis margaritacea



Illustrative image of Middle Terrace with native meadow berms and grass pathways

Southern Floodplain



Southern Floodplain

Existing Condition



Are we headed in the right direction?



3

Next Steps

The design process, permitting & implementation of the project

Design Process



Next Steps



January 2023

Next Iteration of Design

- Educational/Signage
- Donor Elements
-

Updated Budget

Explore Phasing & Value Engineering