

PUBLIC PACKET MATERIALS

May 2, 2013

**JOINT REGULAR SESSION MEETING
OPEN SPACE AND TRAILS BOARD OF TRUSTEES
AND HEALTHY RIVERS AND STREAMS BOARD OF TRUSTEES**

**Carbondale Town Hall, Room 2
511 Colorado Ave., Carbondale**

JOINT MEETING WITH HEALTHY RIVERS AND STREAMS BOARD	
4:00	Public Comment <ul style="list-style-type: none">o Peter Mueller, Board Member of the San Miguel County Open Space Board
4:15	Discussion Items: <ul style="list-style-type: none">o Crystal River Assessment and Design Project (Coal Basin Funding) – Sharon Clarke, Roaring Fork Conservancyo Roaring Fork Gorge Trail and Management Plan – Lindsey Utter, Gary Tennenbaum Project Updates: Colorado Water Trust-Request for Water Program; North Star Preserve Signage Funding Request and North Star Preserve Restoration Project
5:30 PM	ADJOURN Joint OSTB meeting with Healthy Rivers and Streams Board

Joint Session with Healthy Rivers and Streams Board
Joint Meeting Project Updates

Crystal River Assessment and Design Project –Roaring Fork Conservancy 4/23/13 Letter to HRSB and OSTB

Roaring Fork Gorge Management Plan Process – memo, process, and area map

North Star Preserve Project - photographs

Memorandum

To: OSTB and Healthy Rivers and Streams Board
CC: Jon Peacock, John Ely, Cindy Houben
From: OST Staff and HRSB Administration
Date: 05/02/13
Re: **Staff Updates for Joint OSTB/HRSB Meeting**

Discussion Presentations:

Crystal River Assessment and Design or Restoration Projects Initiative (Coal Basin):

Roaring Fork Conservancy Watershed Action Director, Sharon Clarke will be present to inform the Boards about this initiative. Introduction letter is attached. Additional grant application with exhibits and appendices can be viewed on line at:

<http://www.aspenpitkin.com/Departments/Open-Space-Trails/OST-Board-of-Trustees/Meeting-Agendas/>

Roaring Fork Gorge Management Plan: This presentation is informational. Refer to attached memo, schedule and area map.

Additional Joint Meeting Discussion:

Colorado Water Trust - Request for Water Program

The Colorado Water Trust (CWT) Request for Water Program is a water leasing program that allows CWT in collaboration with the Colorado Water Conservation Board through a 2003 Colorado state statute the ability to lease water for streams on short notice to protect the environment, benefitting both water users and the environment. The Request for Water Program also speaks to the financial needs of Colorado's water users by compensating owners for the temporary use of their water rights.

The CWT is seeking direct flow or storage water rights for short-term lease into Colorado's Instream Flow Program for the 2013 irrigation season to add water to rivers and streams that are stressed by low flows.

Pitkin County has been approached by CWT to participate in the Request for Water Program. We strongly oppose the program as it promotes dewatering of agricultural lands. The concept is that stream flows are increased at the expense of agricultural land. Temporary fallowing is detrimental to continued agricultural land viability of ranches and farms

The county's land use code development standards address efforts to ensure the preservation of at least ninety-five (95) percent of the acreage historically used for production of food for humans, or hay, grain and other feed crops for livestock. The county supports irrigation of lands thru its land use code, on its open space properties and conservation easements. The Request for Water Program concept is a departure from county goals and policies. If the county explores this type of program it should reevaluate these policies and consider implementation of fallowing of open space agricultural properties.

Recommendation from the Boards concerning the program is requested.

NORTH STAR PRESERVE SIGNAGE FUNDING REQUEST

The River Board received the following request from John Armstrong, Senior Ranger Pitkin County Open Space & Trails:

Last year North Star Nature Preserve and the stretch of river from the USFS Wildwood Lane Boat (and Floats) put-in saw unprecedented use. Because of the drought, people flocked to the only place in the Upper Roaring Fork River where there was water. The Beach at North Star saw days where 60 plus people packed the small beach with coolers, umbrellas and plastic floatation devices. The Wildwood area saw parking problems that choked the Lane and precluded emergency vehicle access and the Wildwood school bus egress. The advent of the standup paddle board (SUP) has given folks the ability to cruise up and down the Stillwater area where the human activity had once been limited to the 3 gated river access points.

Positive impacts abound as more people learned to love the area and enjoy the sand, sun, warm water (that should have been cold!) and the scenery floating through the Nature Preserve.

Negatively, the noise, trash, leftover food and occasional human waste and the resultant extremely hazardous parking along highway have prompted a multi-jurisdictional effort at mitigation through education.

Open Space and Trails convened a site meeting at Wildwood Put-In last July with the USFS, the Sheriff's Office, the Wildwood School, CDOT, whitewater outfitters and neighbors. The Wildwood Lane is actually a USFS road and is now posted for parking compliance, CDOT has installed seasonal signage warning motorists of increased recreational activity between mile markers 42 and 44 and Open Space has greatly improved the sight planes in the impacted areas. In addition to the increased ranger presence along the corridor, Open Space is contracting the Roaring Fork Conservancy for a part time naturalist for the North Star Preserve area. The USFS hopes to have a trained volunteer spend time at the Wildwood Put-In during peak season hours to outreach users.

Open Space Rangers are in the process of developing environmental education encouraging user advocacy and compliance for this special riparian corridor but seeks a partner in cost sharing an attractive, colorful and informative outreach sign for the Wildwood Put-In.

I am hoping that this is a good fit for the Healthy Rivers and Streams mission and that your organization would like to partner with us in the production of the sign. Would Healthy Rivers and Streams be interested in contributing \$500 to this effort?

Thanks for what you do and I look forward to hearing from you.

Recommendation by Healthy Rivers and Streams Board to approve \$500 contribution for the production of informational outreach signage at North Star Preserve.

NORTH STAR PRESERVE RESTORATION

In 2011, the Pitkin County Healthy Rivers and Streams Board contracted with Miller Ecological Consultants ("MEC") to conduct a geomorphic assessment of the impacts of groundwater changes on the wetlands and grasslands along the valley floor and evaluate the current

characteristics of the Roaring Fork River upstream of the City of Aspen. The study area on the North Star Nature Preserve extended from the Smith Open Space downstream to near Highway 82 and Stillwater Road. There is approximately 4900 feet of Roaring Fork River in the study area. In addition there is a large wetland, a small pond and marsh and several old river oxbows that support wetland plant communities. (See project area photo A)

MEC has several recommendations for maintaining water levels within the project area wetlands and for maintaining and increasing the usable aquatic and riparian habitat along the project reach of the Roaring Fork River. (See wetlands photo B)

Recommendations for maintenance of groundwater levels with the main wetlands and marshlands in the northwest corner of the property:

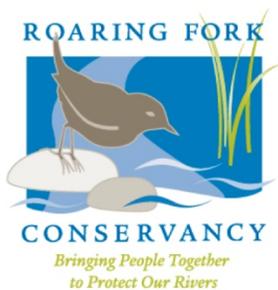
- Discourage activity that would result in draining of wetlands.
- Headgates on ditches that connect the wetlands to river as well as the headgate at the diversion between wetlands and Stillwater ponds should remain closed.
- Replacement of old headgates and dams on connecting ditches with impermeable dams and new gates or overflow structures. (See aerial of headgates photo C)

Recommendations for assistance in restoring, creating and increasing riparian and aquatic habitat along the project reach of the Roaring Fork River include:

- Removal of cross-channel rock structures. These rocks could be placed in well-spaced clusters within the channel and could form eddies or vortices in their wake. (See aerial of structure placement photo D – damaged structure photo E)
- These rocks could then be used to anchor woody debris which would provide significant habitat for fish.
- Toe bank stabilization along areas devoid of woody vegetation by using logs placed along the toe bank and upper banks could be stabilized with natural components such as fabric encapsulated soil that can be sprigged with live willow stakes.

HRSB ACTION:

Discussion of recommended restoration work



April 23, 2013

Pitkin County Healthy Rivers and Streams -River Board
Pitkin County Open Space and Trails Board of Trustees
Courthouse Plaza
530 E. Main Street, 3rd Floor
Aspen, CO 81611

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Re: Request for Match Funding for the Crystal River Assessment and Design of Restoration Projects Initiative

Ladies & Gentlemen:

Roaring Fork Conservancy (RFC) has requested time on the agenda for your Joint Meeting on May 2nd to update you on the Crystal River Assessment and Design of Restoration Projects initiative (the Crystal River Project), and to request additional grant funding for the project in the amount of \$50,000.

The total budgeted cost for the Crystal River Project is \$584,463. During 2011, and over the first several months of 2012, we secured a total of \$279,999 in project funds. This includes \$80,542 in cash from a Colorado Watershed Restoration Grant, a Pitkin County Healthy Rivers and Streams Fund award, a small West Divide Water Conservancy District grant, RFC funding, and a Carbondale Rotary grant, plus \$199,457 of in-kind contributions from the U.S. Forest Service (USFS) -White River National Forest, USFS - Rocky Mountain Research Station, and RFC (including time being provided by a Wyss Scholar).

PROGRAM STAFF

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Coordinator
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In October of 2012, with \$279,999 in matching funds in hand, RFC was successful in securing an additional \$317,000 grant for the Crystal River Project from the Colorado Water Conservation Board (CWCB) and the Water Supply Reserve Account (WSRA). However, the grant was awarded with the caveat that RFC make a good faith effort to obtain an additional \$100,000 in cash for the project from local funding sources. We are still seeking an additional \$87,000 in funding to satisfy the CWCB condition. In addition to the current Pitkin County request, we have submitted several other proposals for grants and solicited donations from private parties.

RFC and its partners are committed to meeting the \$100,000 CWCB target. We feel it is important to demonstrate to CWCB RFC's commitment, as well as the commitment of local entities to the Crystal River Project. We also believe that our ability to secure additional matching funds will help ensure that CWCB funding from the WSRA continues to be available for non-consumptive project needs.

P.O. Box 3349 Basalt, Colorado 81621 | 970.927.1290 | www.roaringfork.org

This was the first time money from the WSRA was used for this purpose. To our minds, that was a significant accomplishment.

Attached are copies of: (i) our WSRA grant proposal previously submitted to the CWCB, and (ii) the Crystal River Project update we provided in February of 2013 to the Pitkin County Healthy Rivers and Streams -River Board and Pitkin County Board of County Commissioners (related to the initial funding we received for the project). Additionally, Pitkin County has established a *Protocol and Guidelines for Monetary Grant Awards from the Pitkin County Healthy Rivers and Streams Fund* which establishes criteria to be used by the River Board in evaluating grant requests. We have also included a discussion of how this project clearly meets those criteria to aid you in your decision making.

Sincerely,



Sharon Clarke
Watershed Action Director

Attachments

The Crystal River Assessment and Design of Restoration Projects Initiative Meets All of the Pitkin County Healthy Rivers and Stream Fund Criteria

Viability of Project: *The likelihood of completion of the project with the grant or award, or recognition that other steps and further funding would be needed to fully complete the project.*

The project has been carefully budgeted by Roaring Fork Conservancy (RFC) with detailed input from each of its partners, and is built on a strong scientific and well-vetted foundation, as discussed below.

- It is the first major initiative developed under the 2012 [Roaring Fork Watershed Plan](#) umbrella. The Watershed Plan took over four years of effort by more than 100 people, representing dozens of agencies, governments, and interests throughout the Roaring Fork Valley and beyond, as well as countless public meetings, conversations, and debates to create. One of the “*Urgent Actions*” identified in the Watershed Plan is the need to “[work] with landowners, resource experts, and other interested parties, [to] plan and implement riparian/ instream protection and restoration projects.” Coal Basin, in the Crystal River Watershed, is at the top of the restoration project list.
- A two-day [Coal Basin & Crystal River Area Restoration Workshop](#) was held in May of 2012 to develop strategies for continuing the critical restoration work previously conducted by the State of Colorado in Coal Basin, and to discuss opportunities for improving the Coal Creek/Crystal River confluence area. The workshop brought nearly 50 hydrologists, soils scientists, geomorphologists, fish biologists, water quality analysts, plant ecologists and other technical experts together with highway engineers, mining reclamation experts, recreational planners, and other key stakeholders from multiple federal, state and local government entities, as well as local nonprofits and private interests. The tasks included in the *Crystal River Watershed - Assessment and Design of Restoration Projects* initiative directly relate to five of the near-term projects recommended by workshop participants, as summarized in the [Coal Basin & Crystal River Area Restoration Workshop report](#). They build upon the “lessons learned” in the prior restoration efforts and utilize all available information on the area’s land use history, natural resources, and geomorphology (as summarized in the workshop report).

It is important to underscore the fact that this is primarily a *planning* project (with the exception of the biochar road reclamation work). The assessments and detailed design work that will be completed during this project will build the necessary foundation for the on-the-ground restoration projects to follow. RFC and its partners have already identified, and are in contact with several potential funding sources for individual project implementation, such as the U.S. Army Corps of Engineers, National Forest Foundation, Colorado Department of Transportation, and the Colorado River District. Large federal funding sources, such as the Coordinated Forest Landscape Restoration Grant program, are also being tracked and evaluated.

Public Accessibility: *The degree the project will be seen and appreciated by the public or actively used by the public.*

The site restoration which will result from the assessments and detailed design work that will be completed during this project will, without question, be seen and appreciated by the public. Much of

the work will occur on public lands regularly used by the public (and visible work has already commenced in Coal Basin as a result of the biochar road reclamation pilot project):

- Much of the Crystal River Watershed, including Coal Basin, is on the White River National Forest and is easily accessible to the public. The area supports a myriad of recreational uses.
- The West Elks Scenic and Historic By-way parallels the Crystal River from Marble to Carbondale. Redstone is a popular tourist destination.
- Several important Pitkin County Open Space and Trails properties are located along the Crystal River, including: the Powerhouse, Elk Park, Redstone Park and the Boulders Property in Redstone, Filoha Meadows and Grange Loadout, Red Wind Point, Thompson Creek Ranch, Cold Mountain River Access Park, and Avalanche Boat Launch.

Project impacts will also be evident to the public in and along area waterways – where reduced sedimentation and improvements to stream channels are expected to improve water quality and instream and riparian habitat in the watershed.

Goals of River Board: *Degree with which the proposed project coincides with the stated goals of the River Board or other ongoing projects of the River Board.*

According to its Bylaws, the policy of the River Board is to further the goals of the Healthy Rivers and Streams Fund. This project satisfies the first objective for use of the Healthy Rivers and Streams Fund: *Maintaining and improving water quality and quantity within the Roaring Fork watershed.*

The *Crystal River Watershed – Assessment and Design of Restoration Projects* effort will provide the information needed to design and prioritize a series of site- and process-specific mitigation projects in the Roaring Fork Watershed to: (a) attenuate the Crystal River hydrograph, (b) contribute to the restoration of floodplain function at the Coal Creek/Crystal River confluence area, (c) improve overall riparian and instream habitat in Coal Basin and the Crystal River, and (d) reduce sediment and total iron delivery to the Crystal River from Coal Creek. Once implemented, improvements in water quality and quantity will result. Additionally, the project’s road reclamation work (already underway in Coal Basin) will yield important information on the efficacy and utility of biochar as a soil amendment. If this prototype project is highly-successful in reducing erosion and enhancing water retention, as expected, it will have implications for restoration work being conducted elsewhere in the Roaring Fork Watershed.

Prospect of Repetition of Project: *Degree to which the grant or project represents a strategy or proposal that could be repeated in other locations so that the benefits of the award may not be limited to one single event.*

Several components of this project are directly transferable to other areas of the Roaring Fork Watershed, Colorado, and other parts of the country:

- The strategy used for reclamation of some of the highest sediment-producing portions of the decommissioned road network in the former mining areas of Coal Basin, and results of the assessment of the cost-effectiveness and utility of using biochar in this type of reclamation effort will be of interest to others engaged in reclamation of mining and other highly-disturbed, erosive sites.

- The methodology (NetMap) used to complete the land use and geomorphic assessments necessary to identify the primary natural and anthropogenic sources of sediment-loading in the Crystal River Watershed has wide applicability as a tool for restoration of other places where sedimentation is a major issue. NetMap has been used extensively by the U.S. Forest Service in Oregon, Washington, Montana and Idaho, and has been employed by other entities, such as the Bureau of Land Management, U.S. Geological Survey, U.S. Fish & Wildlife Service, the U.S. EPA, Trout Unlimited, and The Nature Conservancy.
- How the basic hydrologic/meteorologic and sediment information we collect as a result of this project is used to support the design of site- and process-specific mitigation measures, and to determine the effectiveness of restoration efforts in the watershed, will be of interest to other entities engaged in similar restoration projects and programs.

History of the Requesting Party: *The degree to which the individual or entity has been successful in other projects or endeavors or is known in the community.*

RFC is widely-known as the premier watershed conservation organization in the Roaring Fork Valley. It has also become one of the most respected watershed conservation organizations in Colorado. It has a 17-year history of successfully spearheading a diverse portfolio of watershed projects and programs in the Roaring Fork Watershed. Its accomplishments include:

- **Watershed Conservation and Education** – RFC conducts ongoing classroom and outdoor educational programs (students and adults), with 75,552 educational program contacts since RFC's inception. It publishes a bi-annual newsletter (5,000 copies), monthly email (*River Notes*), Facebook page, and maintains a web site on watershed issues (www.roaringfork.org).
- **Land Conservation** – As one of the only watershed conservation organizations in Colorado that acts as a land trust, RFC conserves critical riparian habitat through conservation easements, while maintaining responsible public access. To date, it has protected approximately 280 acres of property on 15 conservation easements.
- **Water Quality Monitoring** – Through its network of volunteers, staff and local schools, RFC collects and reports scientific water quality data at 30 sample stations throughout the watershed to Colorado River Watch.
- **Water Resources Management** – RFC proactively identifies, researches and coordinates project/program responses to water resources issues as they arise within the watershed. RFC has also been a leader in the Roaring Fork Watershed Collaborative.
- **Watershed Planning** - RFC was the lead consultant on the Roaring Fork Watershed planning effort, which generated 8 comprehensive planning documents, including the [State of the Roaring Fork Watershed Report 2008](#) and the [Roaring Fork Watershed Plan](#). It is currently coordinating projects and programs to implement the Watershed Plan's recommended actions, including collaboration on a regional water conservation planning initiative, and a related project to identify opportunities to enhance stream flows in the lower Crystal River.

RFC has previously received funding from the Healthy Rivers and Streams Fund: to complete the *Roaring Fork Watershed Plan* (as its lead consultant); for planning, grant writing, assessing existing water quality data, and designing baseline and water quality monitoring plans for the Coal Basin and Crystal River area confluence project restoration work; to enable RFC to work with the U.S. Forest Service to initiate the Coal Basin biochar pilot project in 2012; and to complete the *2012 Snapshot Assessment of the Roaring Fork Watershed* with Public Counsel of the Rockies. RFC has successfully completed all of these projects, within budget, and kept Pitkin County fully-informed of its accomplishments using this public funding.

Participation by Other Parties: *Is the grant applicant conducting the project or work on its own or have partnerships been established with other agencies or entities that reflect that the goal of the project is shared by more than one party?*

All of the proposed project work was identified by drawing upon the collective expertise of the nearly 50 resources experts and other stakeholders who participated in the [Coal Basin & Crystal River Area Restoration Workshop](#) last May. Active participants in the current phase of the project include: U.S. Forest Service - White River National Forest, U.S. Forest Service - Rocky Mountain Research Station, Earth Systems Institute, Kootenay Resources, LLC, and S.K. Mason Environmental, LLC. RFC is also working with Aspen Global Change Institute on the soil monitoring component of the project to ensure compatibility with other soil monitoring projects in the watershed. We are also actively working with the major private landowner in Coal Basin to ensure that the work he has planned for this summer contributes to the goals of this project.

Proposed Project Budget: *Is the requested grant the sole source of funding for the proposed project or are there other funding sources available to the applicant?*

As discussed in the cover letter accompanying this document, RFC is asking for \$50,000 in grant funding. This is < 10% of the total budgeted project cost (\$584,463). RFC has already secured \$279,999 in funding for this project (\$80,542 cash and \$199,457 in-kind), and is seeking to preserve its additional \$317,000 project grant from the Colorado Water Conservation Board /Water Supply Reserve Account, which was awarded with the caveat that RFC make a good faith effort to obtain an additional \$100,000 in cash for the project from local funding sources.

Memo

To: Pitkin County Open Space and Trails and Healthy Rivers and Streams Boards
From: Staff
Date: 4/29/2013
Re: **Roaring Fork Gorge Management Plan**

BACKGROUND: The *Roaring Fork Gorge Management Plan* will encompass the detailed inventory, analysis and planning for six different properties: Red Butte Ranch Open Space, Airport Ranch, the Denver/Rio Grande Railroad corridor, Mills, Stein Park and Stein Riverside Park. Gold Butte and Wilton Jaffee Sr. Park are both located in the planning area and each have their own management plans with which we will be sure to coordinate.

Pitkin County's ownership of lands in the Roaring Fork Gorge planning area began when rail service into Aspen ended. In 1968 the Rio Grande right of way above Woody Creek was cleared of track and donated to the County. Decades before "rails to trails" was formalized into federal law, this section of the old grade became our first significant County trail asset. In 1993 this acquisition was complemented by our purchase of the Peapke Ranch, which provided both additional runway space as well as County ownership of the lower river gorge. Several years later, CDOT conveyed the "Mills" property jointly to the County and City in compensation for its roundabout takings of Marolt and Moore Open Spaces. And finally, pieces of the Stein Ranch comprising the upper gorge were conveyed to the County as part of three consecutive land use approvals culminating this year with the Gold Butte climbing area. As seen in our maps, the Open Space programs now administer nearly all of the scenic 4 mile canyon between Stein and Jaffee Parks.

Last year, we sought to obtain approval for a paved connection into Aspen. There was tension between our 2012 approach and our general maxim that we should complete management plans prior to planning capital improvements. We have decided to take a comprehensive planning approach with the Rio Grande Gorge first, and then revisit the question of how to surface and route the Rio Grande Trail into Aspen.

Staff will begin this process conducting a thorough inventory of the five properties, mapping all the existing conditions. We plan to meet with all the different user groups and communities that currently utilize the properties in the Gorge, (Boating, Angling, Climbing/Ice Climbing, Road biking, Mountain biking, Equestrians, Bike Rental Shops, Hiking/Running/Walking, Commuters, Nordic users, etc.), as well as the adjacent property owners and residents. Our goal of these meeting is to learn and map

how these groups currently use the Gorge area and to understand any requests they have for the future planning and management of this area.

The information gathered during the inventory phase, along with the previous studies of the Rio Grande Trail, will be analyzed and alternatives for management and planning of the Roaring Fork Gorge will be developed. All the inventory information and the management and planning alternatives will be synthesized into a draft report. The draft report will be presented to the respective Boards and comments gathered and included before we move forward with our public outreach.

Staff will conduct two months of public outreach to gather feedback and comments on the draft report. We plan to have a project website to host all information and an open comment form. Ads will be run in the local papers, along with press releases, and sponsored radio spots. Three open houses will be held, two in Aspen and one at the CMC, and three public site tours will be held. We intend to meet with the Snowmass Trails Committee and the Basalt POST Committee along with all of the previously contacted user and community groups.

Staff will present the results of the public outreach to the respective Boards. We will gather feedback and move forward in developing the Final Plan. The goal is to have the Final Roaring Fork Gorge Management Plan adopted at the Joint PitCo OSTB and BOCC 4th quarter meeting in December.

Staff plans to keep the Open Space and Trails Board, the BOCC, the City of Aspen Open Space and Trails Board, the City Council, and the Healthy Rivers and Streams Boards informed during the process. We will work with each Board on the best way to accomplish this task. At this time, we are not looking for any specific direction from any Boards except the PitCo OSTB and BOCC. It is up to each Board how they want to respond and provide feedback.

RECOMMENDED ACTION: The Open Space Department invites the Healthy Rivers and Streams Board to provide feedback on the proposed process for creating the Roaring Fork Gorge Management Plan. We also look forward to your participation as a Board and as individuals with comments leading toward a final plan as our process unfolds.

ATTACHMENTS: Project Calendar, Project Area Map

Roaring Fork Gorge Management Plan

Task Name	Q2			Q3			Q4		
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
[-] Project Kickoff									
Update Website		█ Update Website							
Press Release/Public Outreach		Press Release/Public Outreach							
Meet with City of Aspen Staff		█ Meet with City of Aspen Staff							
Update to COA Open Space Board		Update to COA Open Space Board							
Update to City Council									
Update to Healthy Rivers and Stream Board		Update to Healthy Rivers and Stream Board							
[-] Inventory/Public Outreach									
Gather all existing inventory data		████████████████████							Gather all existing inventory data
Historical Data Research		████████							Historical Data Research
User Group Charrettes			████████						User Group Charrettes
Meetings with Adjacent Landowners			████████						Meetings with Adjacent Landowners
Use observation data gathering			████████						Use observation data gathering
Pitco OST Board Updates									
BOCC Site Visit									
BOCC Updates									
[-] Draft Report Development									
Mapping			████████						Mapping
Alternative development				████████					Alternative development
Draft Report Synthesizing					█				Draft Report Synthesizing
Draft Report Team Review						█			Draft Report Team Review
Draft Report									
Overview of Draft Report to Pitco OST									Overview of Draft Report to Pitco OS
Overview of Draft Report to BOCC									
Overview of Draft Report to COA Open Space Board									
Overview of Draft Report to City Council									
Staff meets with interested individual Board memers									
Update Draft report with Board comments									
[-] Public Outreach on Draft Report									
8 Weeks of Gathering Public Comment (website, ads in local papers, press releases, three open houses, three public site tours, meet with Snowmass Trails Committee, meet with Basalt POST Committee, meet with community and user groups, radio spots, updated video, open comment forms online and in hard copy, reach out to all previous contact lists and adjacent property owners							████████████████████		8 Weeks of Gatheri
Present summary of Public outreach to OSTB									Present summary
Present summary of Public outreach to BOCC									
Update of outreach to COA Open Space Board									

Task Name	Q2			Q3			Q4		
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Update of outreach to City Council									
Update of outreach to Healthy Rivers & Streams									
Final Report									
Final report generation								<input checked="" type="checkbox"/>	Final rep
Final adoption by BOCC and OSTB at Joint Meeting									<input checked="" type="checkbox"/> Final

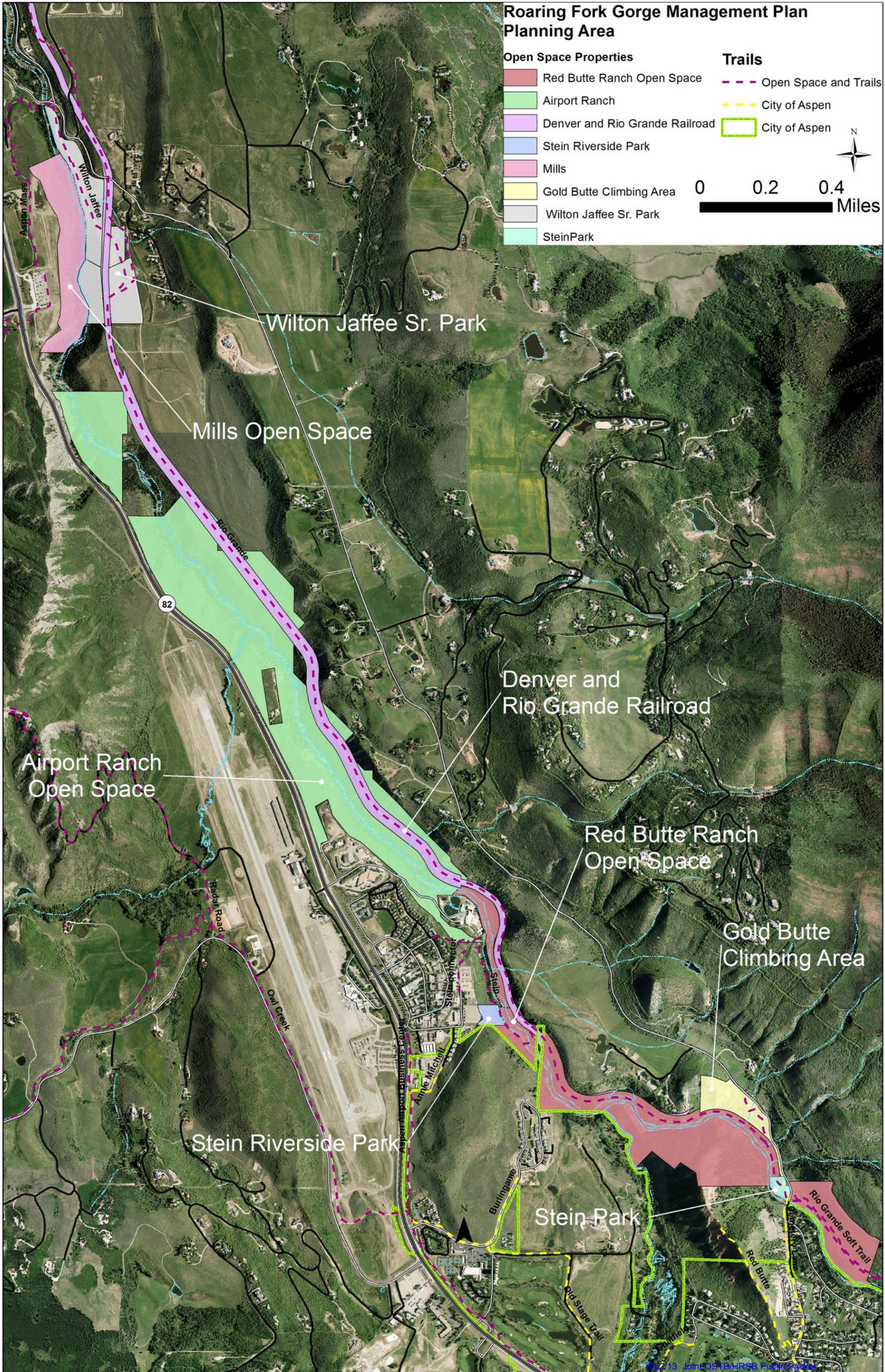
Roaring Fork Gorge Management Plan Planning Area

Open Space Properties

- Red Butte Ranch Open Space
- Airport Ranch
- Denver and Rio Grande Railroad
- Stein Riverside Park
- Mills
- Gold Butte Climbing Area
- Wilton Jaffee Sr. Park
- SteinPark

Trails

- Open Space and Trails
- City of Aspen
- City of Aspen



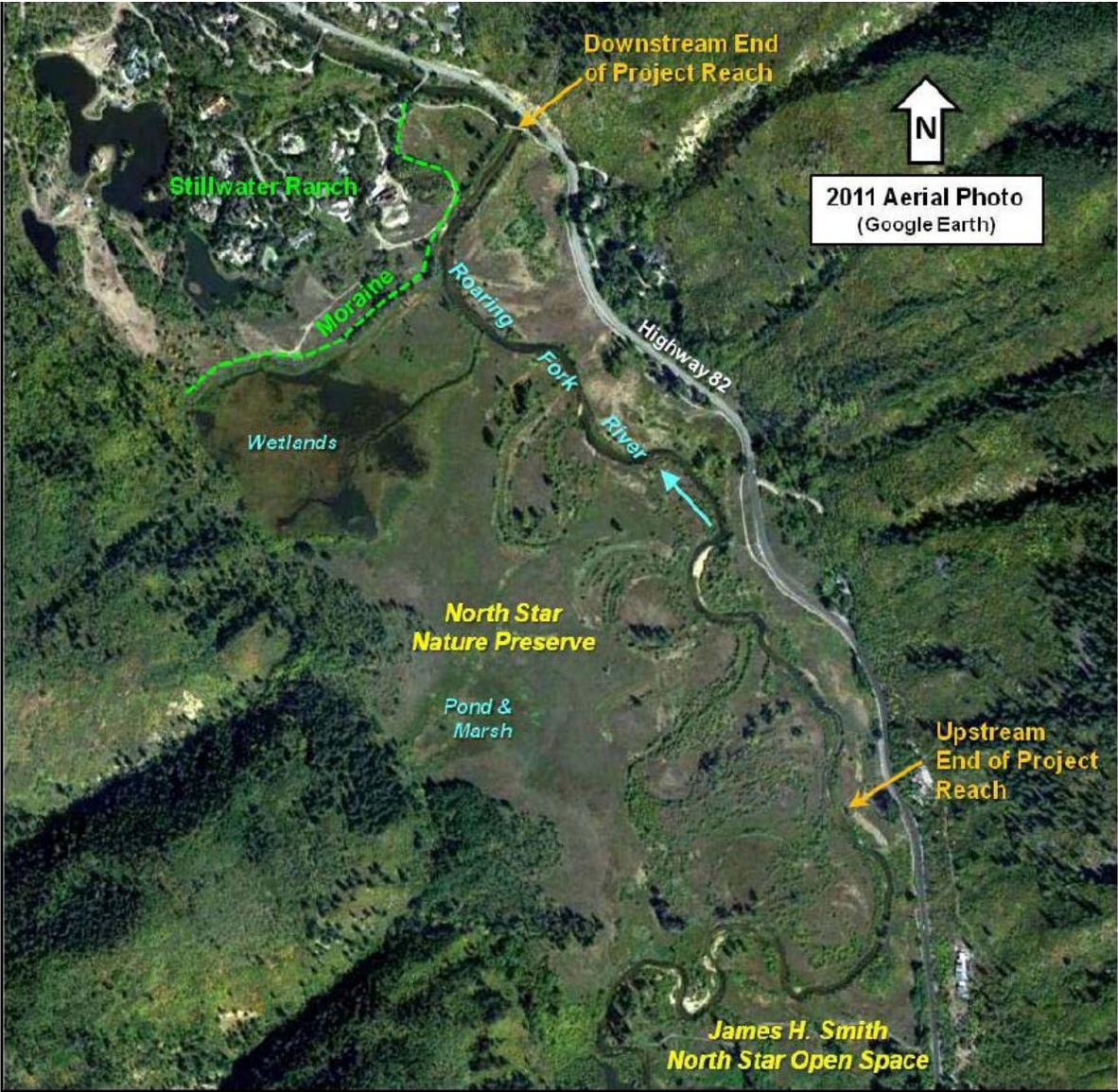


Figure 1. Location map of the North Star Nature Preserve project area including the Roaring Fork River near Aspen, Colorado. Flow is from lower right (SE) to upper left (NW).

North Star Preserve
Photo A



Figure 15. View to the southeast from the Stillwater moraine showing the main wetlands of the North Star Nature Preserve.

North Star Preserve

Photo B



Figure 14. Google Earth 2011 aerial view of the main wetlands and connecting ditches at the northwest corner of the North Star Nature Preserve.

North Star Preserve

Photo C



Figure 11. View of the North Star Nature Preserve reach of the Roaring Fork River showing the locations of rock structures placed in the channel.

North Star Preserve
Photo D



Figure 12. View looking downstream from the right bank of the Roaring Fork River, showing one of the damaged weir-like rock structures within the project reach of the river.

North Star Preserve

Photo E