



AGENDA

GLENWOOD SPRINGS RIVER COMMISSION

MEETING OF FEBRUARY 3rd, 2016 7:30 AM

CITY HALL – COMMUNITY DEVELOPMENT CONFERENCE ROOM

Time	Item	Topic
7:30 a.m.	1	Review of Glenwood Hot Springs Pool Discharge Pipe in Two River Park (Terri Partch, City Engineer)
7:40 a.m.	2	14 th Avenue Pedestrian Bridge (Terri Partch, City Engineer)
7:55 a.m.	3	Grand Avenue Bridge Project Pedestrian Circulation (Kathleen Wanatowicz and Tom Newland, GAB Project Information Managers)
8:25 a.m.	4	Review of Potential Riparian Setbacks/Buffers (Andrew McGregor and Trent L. Hyatt, Community Development)
8:35 a.m.	5	Review of 2016 River Commission Priorities List (Chairman Jeremy Heiman)
8:45 a.m.	6	Comments from Commissioners
8:50 a.m.	7	Future agenda items
8:55 a.m.	8	Adjourn

Attachments:

1. January Meeting Notes
2. Glenwood Hot Springs Discharge Plans
3. Riparian Setback Regulation Information
4. Draft 2016 Priorities List

GLENWOOD SPRINGS RIVER COMMISSION

MEETING NOTES

JANUARY 6, 2016 REGULAR MEETING

Members of the Commission in attendance included Chairman Jeremy Heiman, Larry Heinrichs, Tommy Hilleke, Brendon Langenhuizen, Councilman Leo McKinney, and Patrick Murphy. Tom Barnes, Drew Gorgey, Trent Hyatt, and Steve Vanderleest represented City staff.

Mr. Hyatt requested the discussion regarding the Interim Boat Ramp Repairs at Two Rivers Park be moved to the end of the agenda.

Review of Designs and Truss Configurations for the Midland Avenue Pedestrian Bridge

Assistant City Engineer Steve Vanderleest updated the Commission on the Midland Avenue Pedestrian Bridge Project and asked for a recommendation for one of the three designs presented. The Commission decided unanimously to recommend arched design no. 3. Core-Ten, self-rusting/oxidizing steel material is proposed. Steve explained that construction of the bridge will commence in the summer of 2016 via funds from a Federal Mineral Lease District grant. He stated the Parks and Recreation Department would maintain the bridge. The Commission recommended that lighting needs for the proposed bridge be discussed with Police Chief Terry Wilson. Acting City Manager Drew Gorgey recommended staff advertise and promote the project.

Upcoming Commissioner Term Expirations

Chairman Jeremy Heiman explained the commissioner terms are limited to two unless City Council deems someone a vital member. Larry Heinrichs stated his term is expiring and that he does not plan to continue on the Commission. The City Clerk will advertise the position but the Commissioners encouraged each other to solicit peers for the vacancy.

Comments from Commissioners

Jeremy asked the Commission for comments on the "Fish on Drugs" essay. He stated he would work with the newspaper for publishing.

A discussion was held regarding riparian setbacks and buffers and a presentation recently made by the Roaring Fork Conservancy. The Commission decided to further the conversation at next month's meeting.

Drew Gorgey thanked the Commission members for their service and relayed his interest in their activities.

Future Agenda Items

Patrick Murphy made the Commission aware of his intent to lead the 2016 River Clean Up Day. He stated that additional information is forthcoming.

The Commission decided to discuss 2016 priorities at the next meeting.

Discussion of Potential for Interim Boat Ramp Repairs at Two Rivers Park

Parks and Receptions Director Tom Barnes explained that he plans to correct the drop off at the Two Rivers Park boat ramp as soon as possible. He stated the work is intended to fix the problem adequately but only temporarily until 2017/2018 when shoreline improvements are planned for at the Park. Tom was not sure if funding for the fix would come from Commission or Parks and Recreation funds. The conversation included a discussion of other improvements proposed at Two Rivers Park including the installation of a discharge pipe from the Glenwood Hot Springs Pool. The Commission decided to review additional information regarding the design of discharge pipe at future meeting.

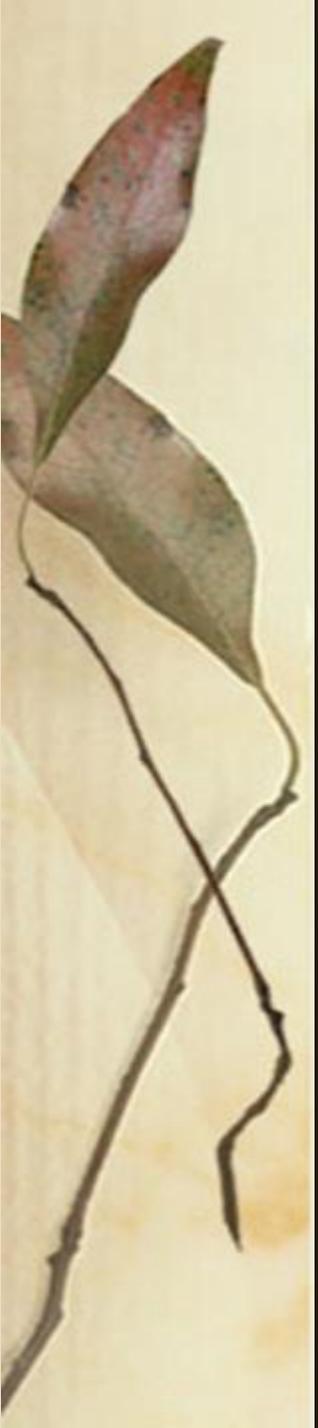
Riparian Vegetation Codes for Glenwood Springs

Heather Lewin, Watershed Action Director

Chad Rudow, Water Quality Coordinator

4 November 2015





Have you ever noticed....

Green grass lawns extending to the river?



Stream banks stripped?

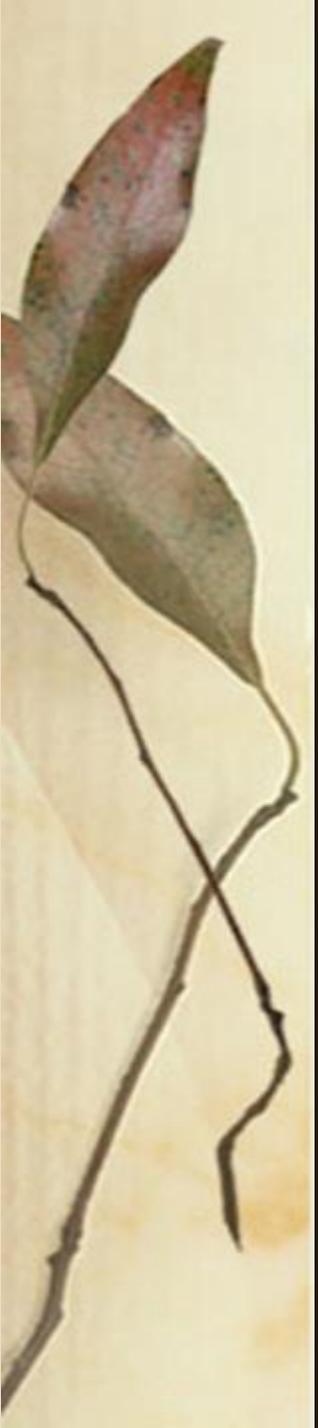


Photo Credit: Bob Millette

Hillsides cleared?



Underbrush removed?



And burned?!?



Do these people HATE rivers?



Or maybe they just don't understand....



That “messy vitality” is necessary....



To mitigate flooding.....



Photo credit: Greg Poschman

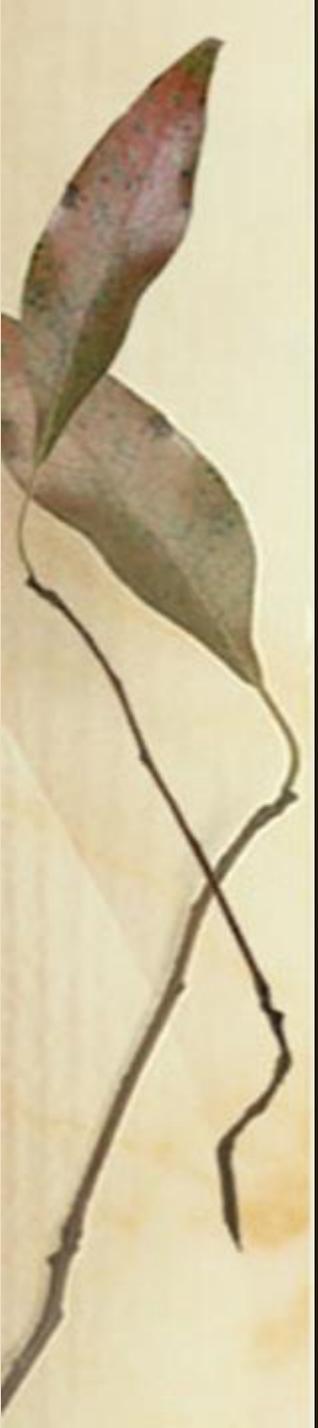
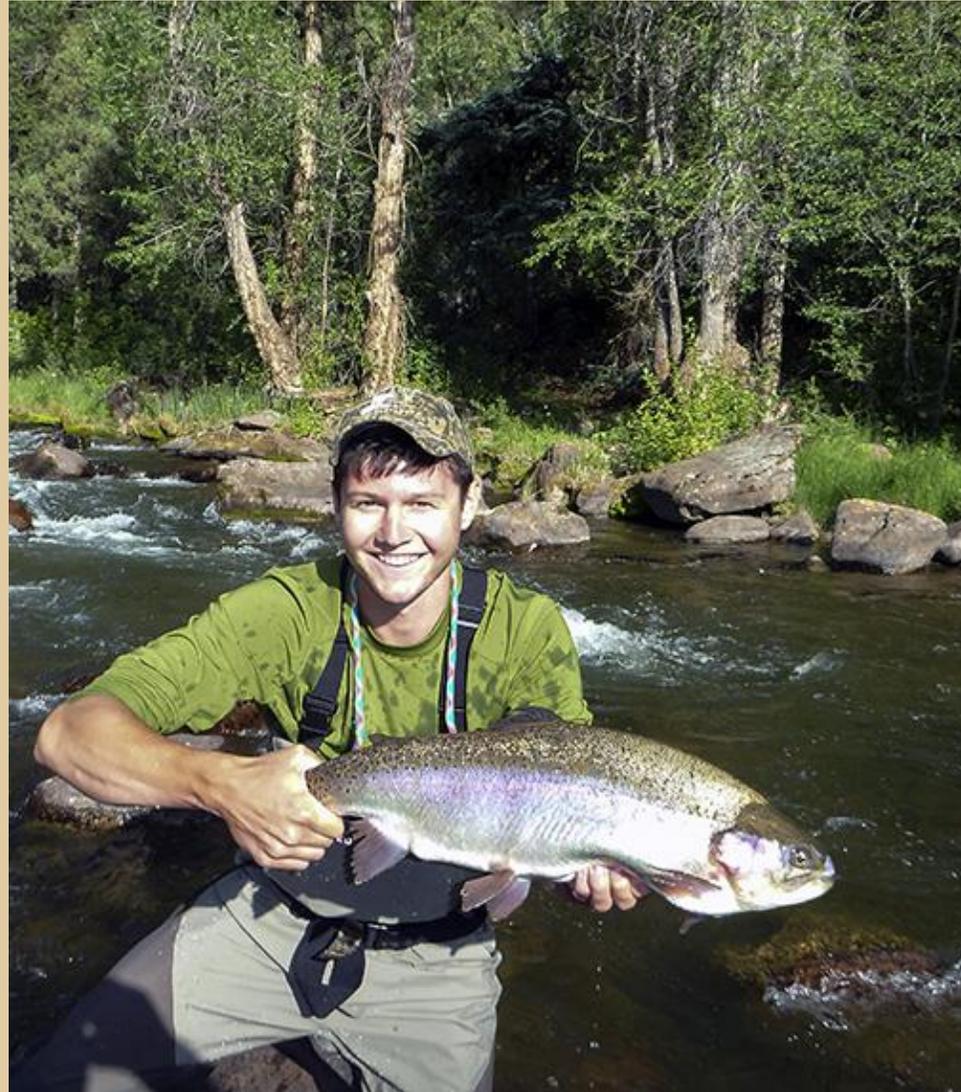
For erosion control.....



To filter pollutants.....



And for happy fish (and happy anglers)!



Recent Lower Roaring Fork Incidents

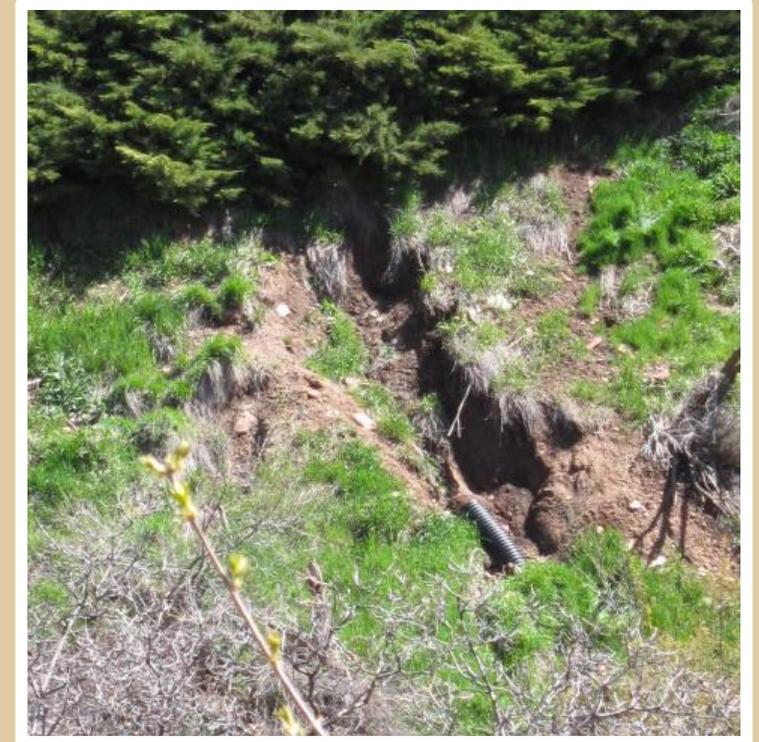


Trailer Park near Veltus



House across from Park East

Recent Lower Roaring Fork Incidents



Rivers Restaurant

Recent Lower Roaring Fork Incidents

80% Wildlife uses Riparian, only 1% of Colorado land is Riparian



Ironbridge



Riparian Vegetation Stats

Sediment

- “It appears that a 30m (100ft) buffer is sufficiently wide to trap sediments under most circumstances... An absolute minimum width would be 9m (30ft)”

Nitrates

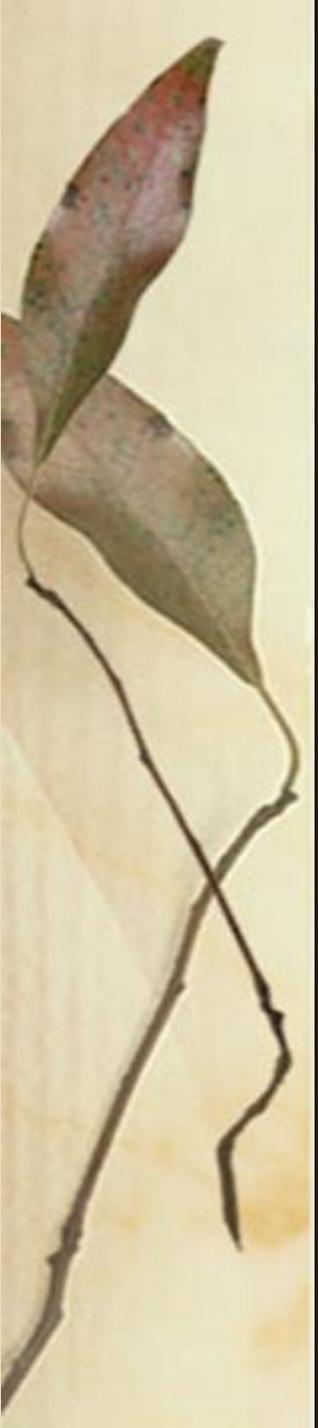
- “To reduce nitrate concentrations, buffers of 15m (50ft) are usually sufficient with 30m (100ft) providing good control.”

Habitat

- “To maintain adequate habitat, “10-30m (35-100ft) native forested riparian buffers should be preserved or restored along all streams.”

Regional Riparian Codes

REGION	SETBACK	PROVISION
Garfield County	35ft	(see later slide for details)
City of Aspen	100ft or 100 year floodplain	“subject to heightened review”
Town of Basalt	50ft	Prohibits development and cutting of riparian and wetland vegetation (16-464a)
Town of Carbondale	Vague...	If new development is proposed adjacent to any river, all practical means should be used to preserve natural grade, drainage patterns, soil and vegetation. (Ord. 4-2007)
Town of Eagle	50ft	Building, structure, excavating, dumping or backfill. No provisions for cutting vegetation



Current Glenwood Springs Code

- **070.030.030**

- **(1) Development in waterways and areas of special flood hazard**
- a. No improvement, building, structure, excavation, dumping or backfill shall be placed, built, undertaken or approved within a thirty-foot setback area horizontally from the high water mark of any river or live stream except for bridges, paths for non-motorized use, irrigation structures or flood control and erosion protection devices.



Recommended Code

- **Minimum Setback**

A setback of 100 feet measured horizontally from the Typical and Ordinary High Water (TAOHW) on each side of a water body is required of all activity and development after <date of land use resolution approval>. Activity and development may include, but is not limited to: placement of materials such as soil, sand, organic material or snow, construction or installation of any structure, removal of soil or vegetation, and/or disturbing the natural flow pattern of the waterway. This 100 foot setback may be reduced to a minimum of 50 feet upon demonstration by the applicant that such reduction shall not result in water quality degradation, stream bank erosion and/or a reduction in the quality of existent riparian or wetland habitat.

- **Structures Permitted in Setback**

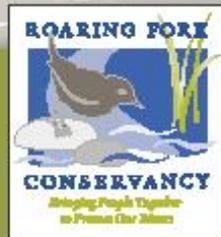
Irrigation and water diversion facilities, flood control structures, culverts, bridges and other reasonable and necessary structure may be permitted if there is no feasible alternative and adverse impacts will be adequately mitigated.

Bank stabilization, riparian restoration and restoration of natural, dynamic riverine functions may also be permitted provided that impacts will be adequately mitigated.

Riparian Education Campaign

Think outside the banks.

Healthy rivers require a
healthy riparian habitat.



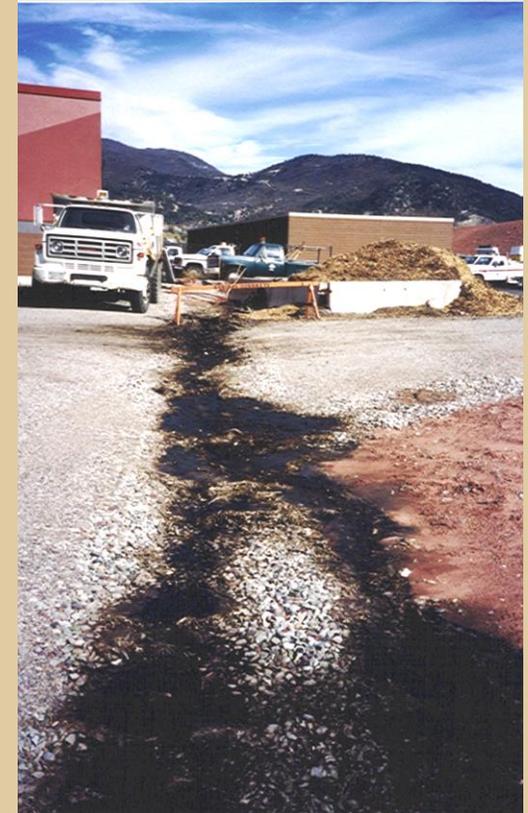
To learn more about your riparian habitat,
or for a free riparian assessment, call
Roaring Fork Conservancy at 970-927-1290.

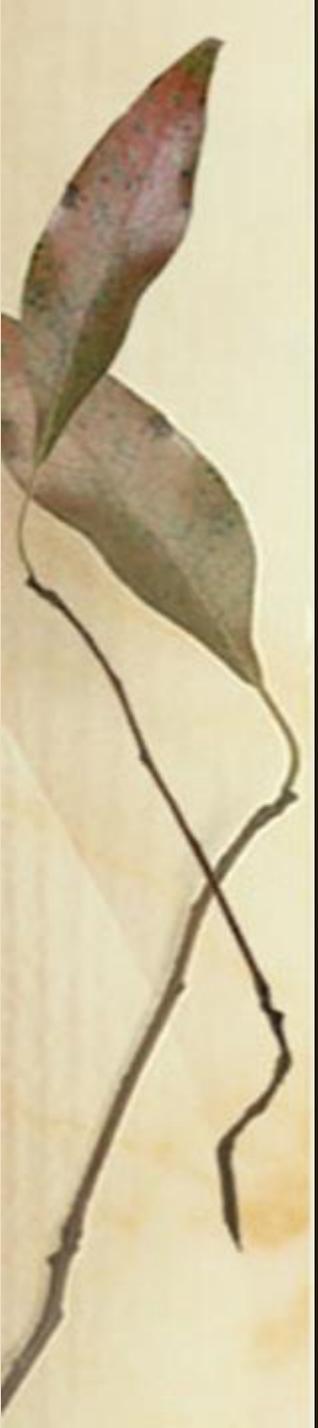


Nonpoint Source Pollution

- Nonpoint source (NPS) pollution comes from many diffuse sources. NPS pollution is caused by rainfall or snowmelt moving over and through the ground. As the runoff moves, it picks up and carries away natural and human-made pollutants, depositing them into lakes, rivers, wetlands, and/or ground waters.

<http://water.epa.gov/polwaste/nps/index.cfm>





Nonpoint Source Pollution- BMPs

- Avoid direct discharge to streams
- Minimize directly connected impervious areas
- Detain and treat runoff
 - Storm water trap installed in 2006
- Manage snow removal and storage

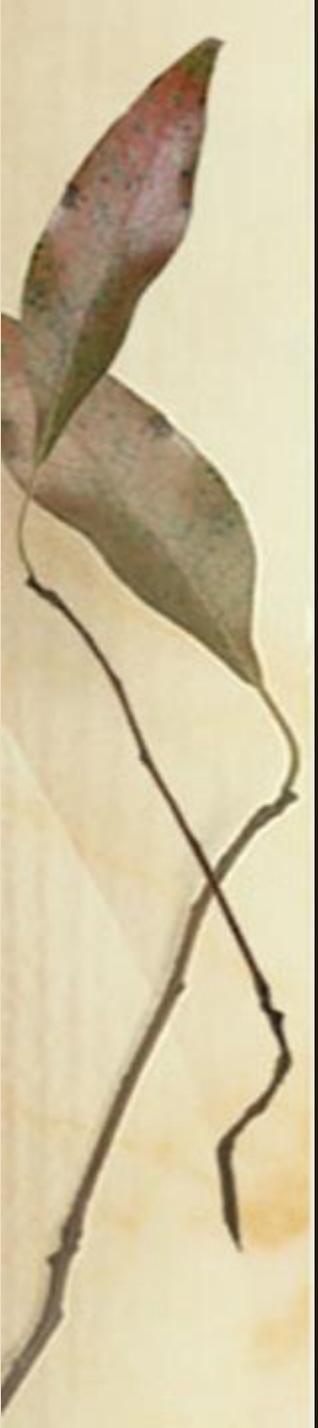
Resources:

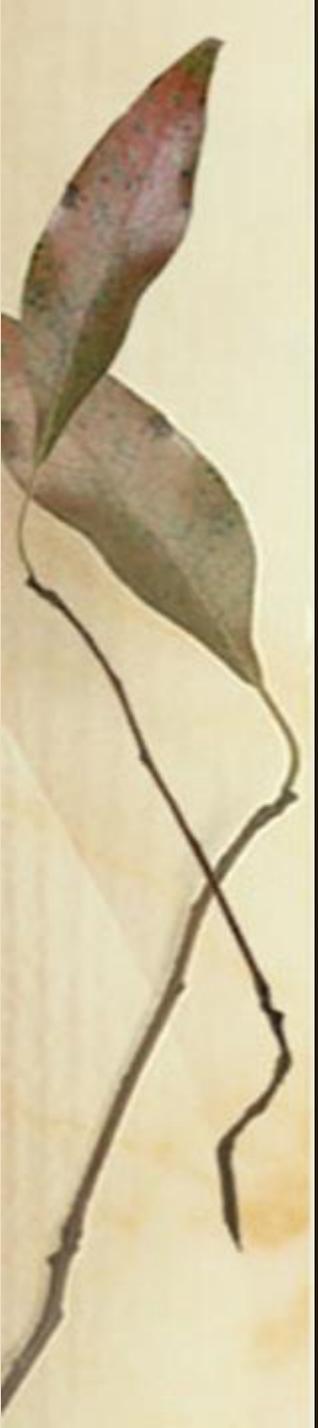
- Stormwater Assessment & Education Report of the Watershed Improvement and Education Project for the City of Glenwood Springs
- www.water.epa.gov

Storm Water and Riparian Vegetation

Engineered Wetlands can play a role in mitigating effects of storm water while creating a pleasing public amenity.

- Jenny Adair Wetlands
- Rio Grande Park (seen here)





Thank you.



2016 River Commission Goals (2015 Goals Listed Below)

1. Organize and implement a small scale river clean up event. Coordinate with other clean up events if possible.
2. Work with Parks Department staff and consultants on the design of shoreline improvements for Veltus and Two Rivers parks and pursue funding for design and construction of the project.
3. Advocate for the clean-up of the old Wastewater Treatment Plant site and encourage the development of temporary park improvements to accommodate public use.
4. Continue to work with the Transportation Commission on the Long Range Transportation Master Plan Update with emphasis on bicycle and pedestrian issues.
5. Develop a project to implement non-point and point source stormwater quality improvement measures such as inlet marking or other educational strategies. Consider partnerships with the Roaring Fork Conservancy and RE-1. Discuss in April of 2015.
6. Complete planning and design for an off street bike and pedestrian connection between Glenwood Meadows and Exit 114. Pursue funding for construction of these improvements as soon as possible.
7. Inventory existing river access points and make recommendations for improvements and/or additional access opportunities. Organize a field trip utilizing bikes and boats as a part of the inventory.
8. Identify the remaining uncompleted sections of the RiverTrail Masterplan. Determine what the next segment to be constructed should be. Educate existing and future City Council members on the River Trail Master Plan, those portions that have been completed and those remaining to be completed.
9. Assist in the development and promotion of the Wulfsohn Mountain Park trail system.
10. Clarify the roles and responsibilities for trails planning and development within the City organization.
11. Continue to advocate for a “complete street” section which incorporates adequate bike and pedestrian facilities with the extension of 8th Street westward.