

Location	Project Options	Values
Site A	Infrastructure: headgate automation/ telemetry, ditch piping	Agriculture, Environmental, Recreation, Municipal
	Bank Stabilization (upstream of headgate)	
	Coffer Dam	
Site B	In-channel restoration (bank stabilization, narrowing or low flow channel, fish habitat)	Environmental, Recreation, Agriculture, Municipal
	Public access	
	Diversion structure improvements	
Site C	Public access (boating, fishing, etc.)	Environmental, Recreation, Agriculture, Municipal
	In channel restoration	
	Headgate infrastructure	
Site D	Public access	Municipal, Recreation
	Potential municipal park/river	
Site E	River trail	Municipal, Recreation,
	In-channel restoration	
Gauge locations	New installation or add equipment to historic gauges	Environmental, Recreation, Agriculture, Municipal

Other diversion structures	Infrastructure improvements	Agricultural, Environmental
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Benefits

Create more user-friendly structure/decrease labor, accurate & precise diversion/tailwater, increase efficiency. Increase pressure, AF capacity. Pipe segment of ditch to prevent leaks/property damage.

Prevent headgate and coffer dam damage with slope and channel work to stabilize upstream and upland of headgate.

"Lower hanging fruit" project with no regulatory risk, easy to improve via debris removal, protects recreational user equipment & passage, lower cost.

Plans already designed by NRCS to improve habitat, flows, recreation opportunities (fishing), enhance property values. Bank stabilization and low flow or channel narrowing to help with flooding, flows, temperature, aquatic habitats and water supply reduce rationing property owners dealt with last year. Working with HOA in negotiations since individuals don't own to center of river. HOA has access points for equipment for construction/restoration.

Provides recreation access/exit since no boating access xx miles above town, extends recreation river segments with easy/family-friendly stretch. Prevents trespassing or property damage, utilizes current easement & roads.

Improve efficiency & accuracy, decrease labor & maintenance cost.

Provides rec access/exit since no boating access xx miles above town, extends recreation river segments with easy/family-friendly stretch. Economic revenue from day use & fishing permit fees. Entities who co-own property open to access & restoration, which can coincide with other committed uses for property.

CPW shown interest in restoring instream habitat & possibly managing. Could open door to in-channel restoration between site and town sections.

Potentially move diversion closer to property line & improve agricultural water use.

Tourism, public access & education on San Juan River

Could provide objective data for all uses, storm warning system, enhance knowledge of river conditions (discharge, temperature, quality).

Improve water use efficiency

Challenges

Operation & maintenance cost, fear of regulation/loss of water rights with changes, log jams blocking channel and intake. Rusting of headgate after wildfire debris, ash, sediment.

Active geology

Structure in place and functioning currently.

Update/add to NRCS plan. Develop landowner buy-in. Controversy over spending public money on private land, justify w/package of multiple use benefits.

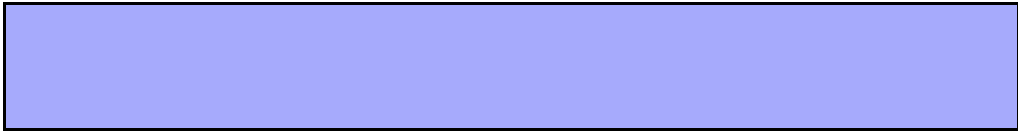
Private landowners not wanting public traffic, construction costs & maintenance for roads, boat ramp, parking, bathrooms. Create options for seasonal, time of day use with gated access and permitting/fee season to help manage river access.

Construction costs & maintenance. Ditch leaking flooding--perhaps piping (above or underground) reduce property damage & improve ditch delivery & reduce maintenance costs/time.

Determine which entity responsible/has capacity for management of site. No permanent sale reassurance possible, only use of property, due to commitments to CWCB agreement for previous property sale.

Leased until (insert year)

Construction, operation & maintenance costs. How to determine location for best use of money. Fear of administrative management or regulation. How to store/access/use acquired data.



Resources	Contacts
Examples on ditches on Pine & Florida Rivers using telemetry.	
Alternative coffer dam designs than gabian structure, jersey barriers, deadman cabling, cement slabs.	
Include existing design plans	

