

# YAMPA RIVER INTEGRATED WATER PLAN

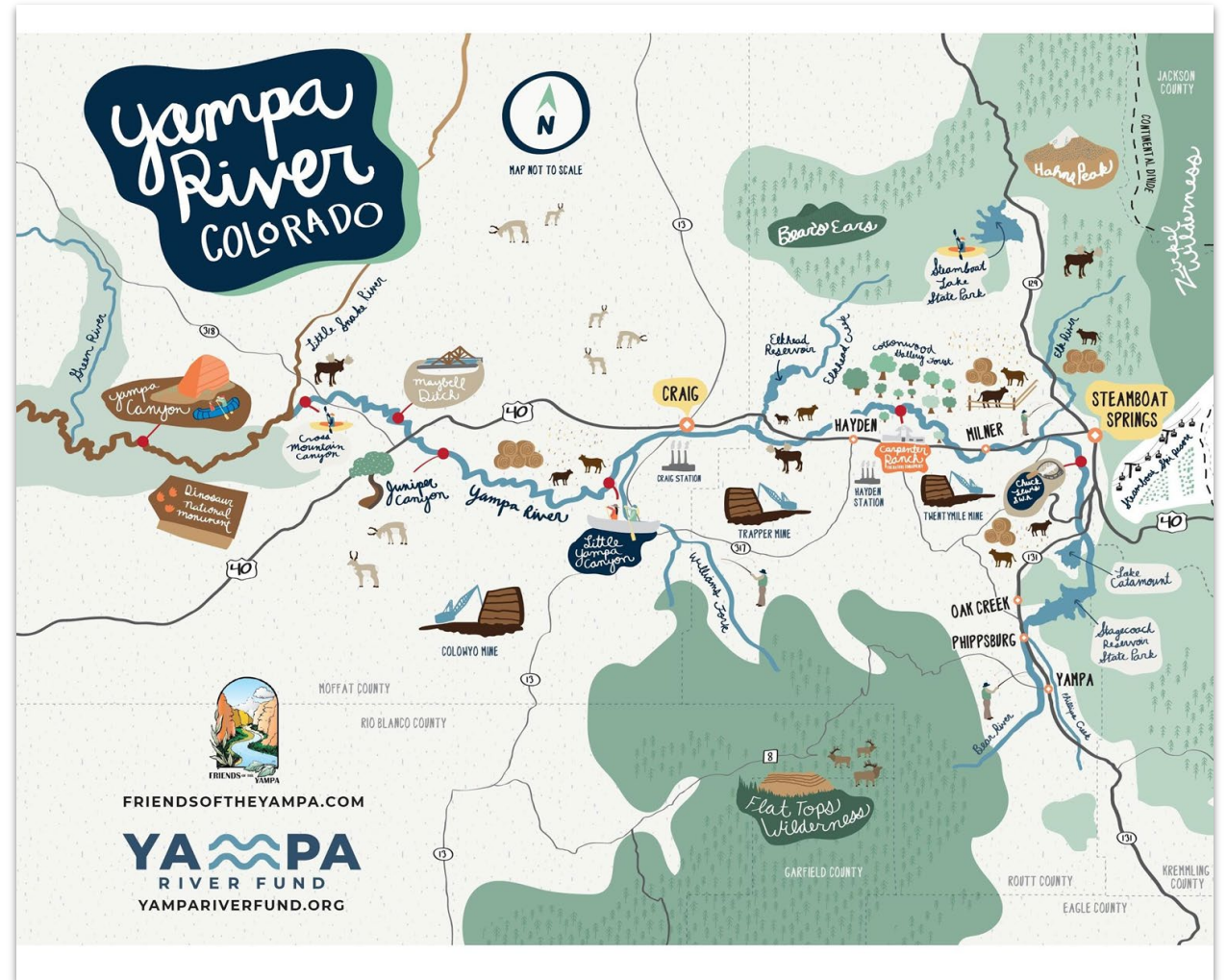
**GOAL:** Combine community input with science and engineering assessments to **identify actions to protect existing and future water uses and support healthy river ecosystems**

## TASKS

- Gather community concerns & ideas
- Assess diversion infrastructure
- Assess river conditions
- Develop action plans

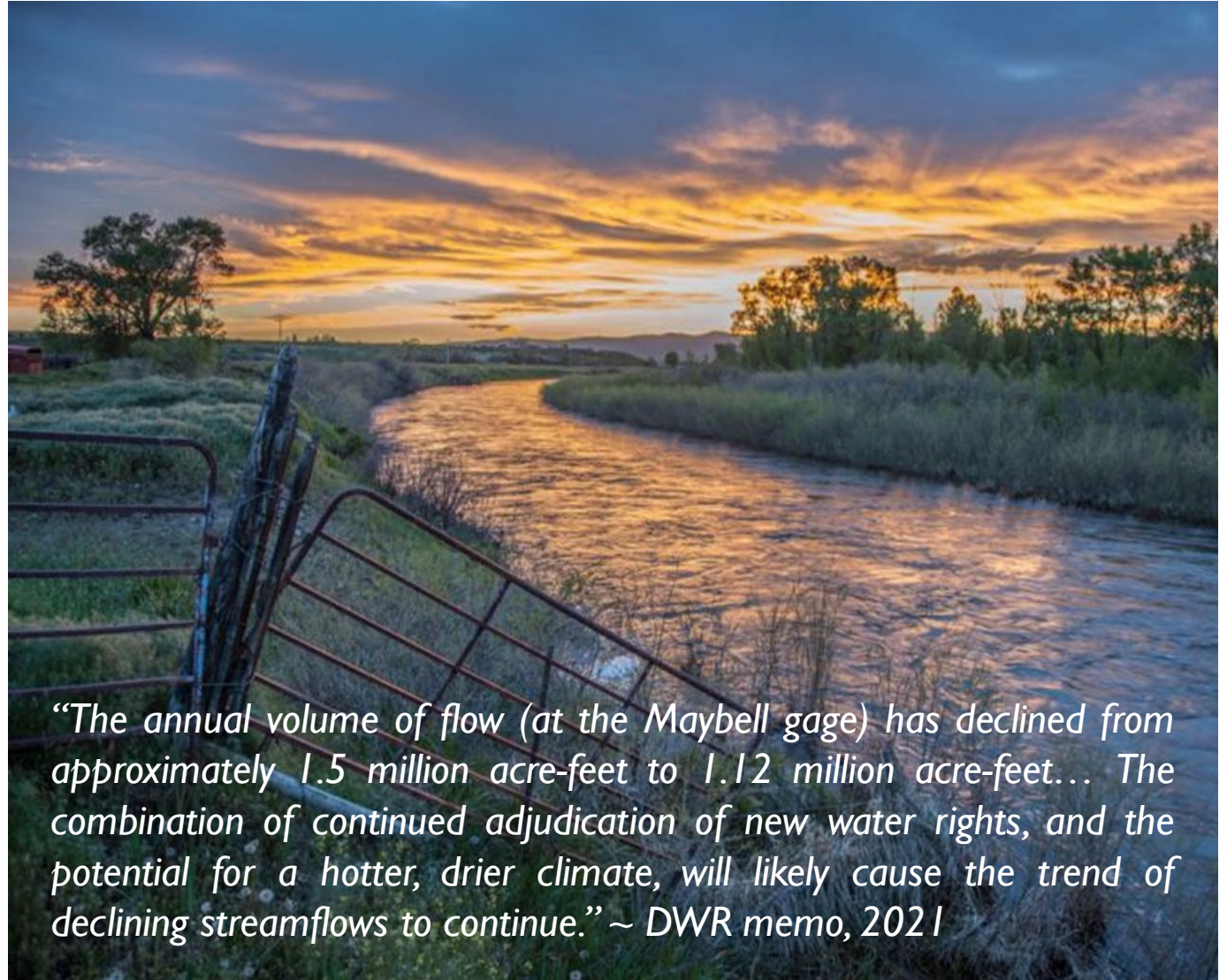
## POSSIBLE OUTCOMES

- Help upgrade irrigation infrastructure
- Drought & shortage solutions for agriculture
- Riverside habitat restoration
- Fish habitat and flow protection



# WHY IS A BASIN WATER PLAN NEEDED?

- Coordinate the activities of water organizations to make **faster progress** on the Basin Roundtable's water management goals
- Help agricultural water users adapt to **increasing shortages** and **stricter administration** practices
- Protect **riverside habitat and the fishery** from negative trends in flow and land development
- Identify **multi-benefit projects** to position the basin to take advantage of state grant dollars



# AG COMMUNITY CONCERNS

## Out of Basin Demands

The water we have will be taken away through new trans-mountain diversions or a compact call

## Water Administration

Stronger administration and regulation of water rights

## Water Shortages

Shortages and losing access to water if other in-basin uses increase or drought conditions persist

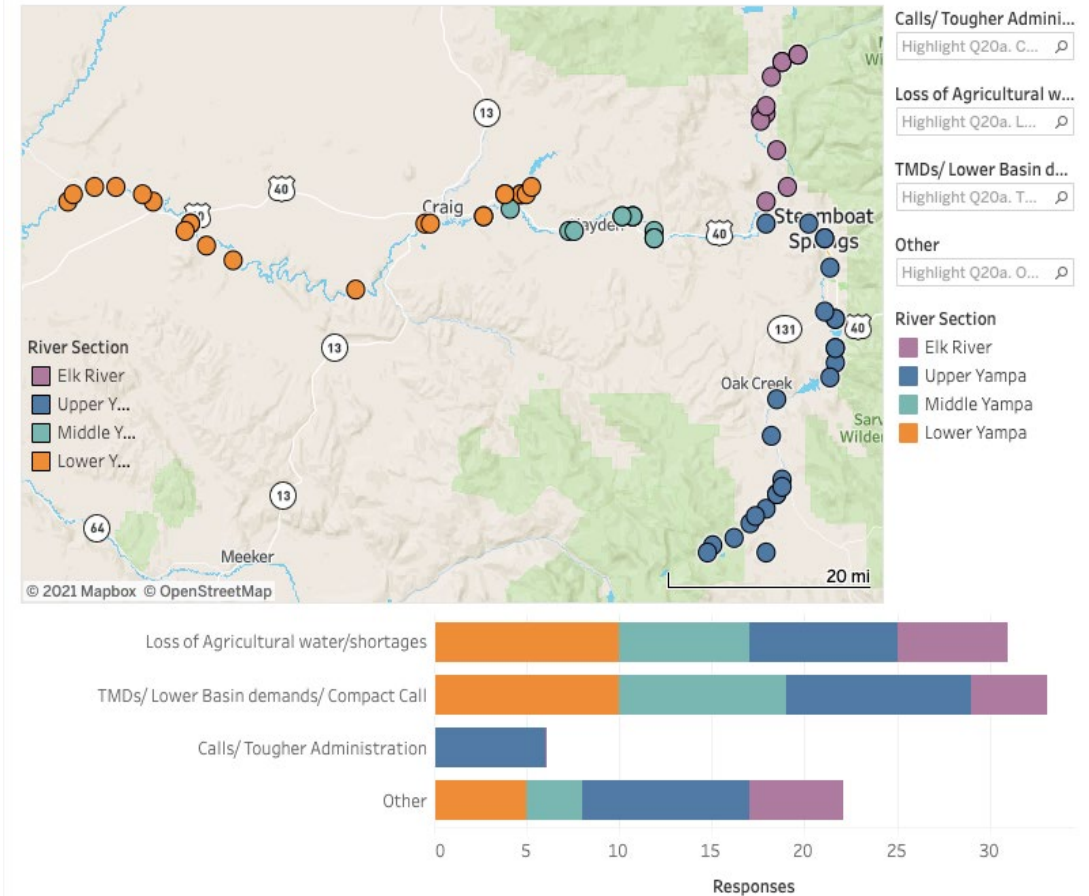
## Bank Stabilization

Erosion control to protect structures and loss of productive land

## Infrastructure Upgrades

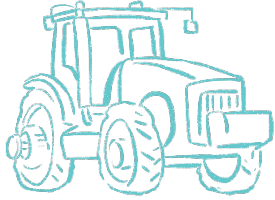
Common needs include headgates, measurement devices, irrigation equipment and ditch improvements

1a. Top concerns (Ag): Ag\_Q20a



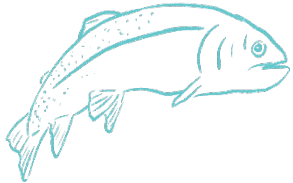
All results are available at [yampawhitegreen.com/iwmp](http://yampawhitegreen.com/iwmp)

# ACTION PLANS



➤ Build agricultural infrastructure projects

➤ Meet current and future water shortages



➤ Understand and better meet the river's flow needs



➤ Balance protection of water infrastructure with increasing high quality habitat in riverside lands

SUPPORT FEASIBILITY EVALUATION AND CONSTRUCTION OF KENDIG RESERVOIR			PROJECT CONS3	
DESCRIPTION	Construction of Kendig Reservoir to provide additional storage on the south side of the Colorado River where existing and future shortages occur.			
OBJECTIVES ADDRESSED	CONS(b), CONS(c), CONS(d), CONS(e)			
LOCATION OR AFFECTED AREA	West Divide Creek drainage	WATERSHED REGION	Upper	
ORGANIZING ENTITY	West Divide Water Conservancy District			
PRINCIPLE PARTNER(S)	CRWCD, TU, CPW, USFS			
OPPORTUNITIES CONSTRAINTS CHALLENGES	Feasibility studies for the construction of Kendig Reservoir on West Divide Creek have been conducted in the past and are ongoing. These studies provide insight into the firm water supply and fatal flaw analysis associated with construction of a 16k+ acre-foot reservoir. This reservoir has the potential to partially fill the water supply gap experienced by water users in the Divide Creek drainage.			
DEGREE RIPENESS	Medium	TIMEFRAME	Immediate/Ongoing	
IMPLEMENTATION STEPS	<ul style="list-style-type: none"> <li>Continue to support feasibility studies unless a fatal flaw that prohibits construction is identified.</li> <li>Create models to identify optimal reservoir operations to fill water supply gaps.</li> <li>Work with water right owners who may wish to store available flow during runoff for use later in the irrigation season (i.e. create storage accounts).</li> <li>Aid in identification of grant/loan opportunities for construction.</li> </ul>			
ESTIMATED COSTS	CAPITAL		OPERATION/MAINTENANCE	
	\$106 M		\$10K/yr	
EVALUATION CRITERIA	Positive feasibility studies to move construction of Kendig Reservoir forward.			
CWCBC METADATA	PROJECT TYPE	Ag, Env/Rec, Industrial	WATER DESTINATION	Colorado River
	BASIN	Colorado	WATER DISTRICT	45
	MULTIPLE NEEDS	Yes	ESTIMATED WATER YIELD/UNITS	0 – 16,500 ac-ft
	WATER SOURCE	West Divide, Garfield, Baldy, East Divide Creeks	ESTIMATED CAPACITY/UNITS	16,500 ac-ft

