

White River Integrated Water Initiative

Diversion & Riparian
Assessment Update
2/9/2022



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Diversion Assessment Update



Diversion Assessment Update

- **25 Diversion Assessment Reports**

- Completed
- Digital & hard copy given to owners
- Positive feedback



- **Irrigation Infrastructure Improvement Demonstration Project Application**

Diversion Assessment Update



- Diversion Assessment Scoring Results

Upper White River - Infrastructure Information

Category	Ditch 1	Ditch 2	Ditch 3	Ditch 4	Ditch 5	Ditch 6	Total	Average
In-Stream Diversion	4	4	4	3	4	1	20	3.3
Control Structure	3	4	3	3	4	0	17	2.8
Wastegate	4	N/A	4	3	4	N/A	15	3.7
Measuring Device	3	3	2	2	3	4	17	2.8
Total	14/16	11/12	13/16	11/16	15/16	5/12	—	3.1

Upper White River - Environmental Health Information

Category	Ditch 1	Ditch 2	Ditch 3	Ditch 4	Ditch 5	Ditch 6	Total	Average
Vegetation	4	4	4	4	3	4	23	3.8
Fish Entrainment	3	4	3	4	3	1	18	3
Fish Passage	4	4	3	4	4	1	20	3.3
Erosion	4	4	4	4	4	4	24	4
Geomorphology	4	4	4	4	4	4	24	4
Total	19/20	20/20	18/20	20/20	18/20	14/20	18.2/20	3.6

Middle White River - Infrastructure Information

Category	Ditch 1	Ditch 2	Ditch 3	Ditch 4	Ditch 5	Ditch 6	Total	Average
In-Stream Diversion	4	2	3	3	1	3	16	2.7
Control Structure	4	3	3	3	4	3	20	3.3
Wastegate	3	3	4	3	2	2	17	2.8
Measuring Device	2	4	3	3	3	3	18	3
Total	13/16	12/16	13/16	12/16	10/16	11/16	11.8/16	2.9

Middle White River - Environmental Health Information

Category	Ditch 1	Ditch 2	Ditch 3	Ditch 4	Ditch 5	Ditch 6	Total	Average
Vegetation	3	3	3	3	4	3	19	3.2
Fish Entrainment	2	1	2	3	3	2	13	2.2
Fish Passage	1	3	3	4	4	4	19	3.2
Erosion	3	3	2	3	3	3	17	2.8
Geomorphology	3	3	3	3	3	3	18	3
Total	12/20	13/20	13/20	16/20	17/20	15/20	14.3/20	2.9

Lower White River - Infrastructure Information

Category	Ditch 1	Ditch 2	Ditch 3	Ditch 4	Ditch 5	Ditch 6	Ditch 7	Total	Average
In-Stream Diversion	N/A	N/A	3	4	4	2	2	15	3
Control Structure	4	4	3	3	3	3	2	22	3.1
Wastegate	N/A	3	3	3	3	3	N/A	15	3
Measuring Device	1	2	4	3	2	3	3	18	2.6
Total	5/8	9/12	13/16	13/16	12/16	11/16	8/12	—	2.9

Lower White River - Environmental Health Information

Category	Ditch 1	Ditch 2	Ditch 3	Ditch 4	Ditch 5	Ditch 6	Ditch 7	Total	Average
Vegetation	3	4	4	4	3	4	3	25	3.6
Fish Entrainment	4	3	3	3	3	3	3	22	3.1
Fish Passage	4	4	4	4	4	4	3	27	3.9
Erosion	3	3	3	4	3	3	2	21	3
Geomorphology	3	3	4	4	4	3	3	24	3.4
Total	17/20	17/20	18/20	19/20	17/20	17/20	14/20	17/20	3.4

Piceance Creek - Infrastructure Information

Category	Ditch 1	Ditch 2	Ditch 3	Ditch 4	Ditch 5	Ditch 6	Total	Average
In-Stream Diversion	2	4	4	4	3	3	20	3.3
Control Structure	2	4	4	4	4	4	22	3.7
Wastegate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Measuring Device	2	3	4	4	3	4	18	3
Total	6/12	11/12	12/12	12/12	10/12	11/12	10.3/12	3.3

Piceance Creek - Environmental Health Information

Category	Ditch 1	Ditch 2	Ditch 3	Ditch 4	Ditch 5	Ditch 6	Total	Average
Vegetation	3	4	4	3	3	4	21	3.5
Fish Entrainment	3	3	3	3	3	3	18	3
Fish Passage	2	2	1	2	2	2	11	1.8
Erosion	2	4	4	4	4	4	22	3.7
Geomorphology	4	4	4	4	4	4	24	4
Total	14/20	17/20	16/20	16/20	16/20	17/20	16/20	3.2

Diversion Assessment - Amazing Feedback

"Thank you very much for your kind words and for the report which is most interesting and helpful."

"Awesome job! It looks amazing. Thanks for all the work put into this project."

"Wow! Looks so professional, thank you!"

"Thank you for the report and all the hard work that went into it!"

"It was an education process for me and greatly appreciated!"

Permission for PAC use: Yes-12, Maybe-9, No-4

Riparian Health Assessment Update



Riparian Health Assessment Update

- **21 Riparian Health Assessment Reports**

- 10/21 Digital copies given to the owners and hard copies have been made and will be delivered soon.
- 6 reports are finalized, printed, and needing sent to owners.
- 5 reports are in the process of final edits.
- Positive feedback



Riparian Assessment Scoring Summary

Total number of riparian site assessments = 21

Number of sites per reach: Piceance = 5, Upper = 6, Middle = 5, and Lower = 5

Overall Percentage of Sites in functional designations:

Proper Functioning Condition (PFC) = 79%, Functional At Risk (FAR) = 21%,

Non-Functional (NF) = 0.0%

Percentage of sites in FAR per reach:

Piceance = 20% or 1/5 sites Upper = 33% or 2/6 sites Middle = 60% or 3/5 sites

Lower = 0.0% or 0/5 sites

Spatial Gaps:

-Middle of upper reach -South Fork White River -Lower end of middle reach (Powell Park)

-Lower end of lower reach (Rangely to state line)

-Upper Piceance

Riparian Health Assessment - Amazing Feedback

“Exciting to have this kind of data gathered for our area, great job!”

“I’m glad I could help a little bit as I believe this to be very beneficial for the future of ranching on Piceance Creek.”

“I’m happy to help however I can. You and your team really did a great job! The expertise and knowledge was top notch!”



**Thank you: Assessment Teams, Assessment Participants!!!
Special thanks to Callie, Chris, Kari, Liz, Mario and Tristan!!!**