

Use Attainability Analysis

1 Water Body Name	Bohemian Creek
2 Segment Description	Mouth to Howard Co. Rd. V58
3 Segment Length (mi)	14.3
4 Drainage Area (sq. mi.)	28
5 Segment Start Latitude, Longitude (DD)	43.23921, -91.98977
6 Segment End Latitude, Longitude (DD)	43.25209, -92.12080
7 Route of Flow (Next Downstream Adopted Designated Use)	Bohemian Creek (A1, proposed, A2, BCW1, HH, existing) to Turkey River (A1, BWW1, HH)
8 NPDES Facility and Permit Number (If Applicable)	Protivin, City of STP (4552001)
9 Sample Site ID(s)	1293-1, 1293-2, 1293-3
10 Segment County Name(s)	Winneshiek / Howard
11 Field Work Date(s)	8/8/2018

12 Aquatic Life Use Attainability Analysis - Conclusion

Recommended Highest Attainable Use: Aquatic Life Use	N/A
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13 Recreational Use Attainability Analysis - Conclusion

Recommended Highest Attainable Use: Recreational Use	A1
Water levels and flow are sufficient to support full body immersion (see Site Observations Table). Therefore, the highest attainable recreational use for this stream segment is A1.	

14 Flow

Field Work Date	Description
8/8/2018	USGS stream gage data for the area indicated stream flows were above normal at the time of assessment. However, the physical conditions related to the natural features of the water body appear to be representative of normal flow (see Site Photos).

Use Attainability Analysis - Data Site Observations

Use	Site parameter	Site ID #1293-1
AL/R	15 Latitude, Longitude (DD)	43.25211, -92.12083
AL/R	16 Average Depth (in)	13
AL/R	17 Maximum Depth (in)	20*
AL/R	18 Stream Width (ft)	16
AL/R	19 Pools Observed?	Yes
AL only	20 Non-Game Fish Present and Counts (Species: Number)	N/A
	21 Game Fish Present and Counts (Species (Size Range): Number)	N/A
R only	22 Stream Habitat (See also: #29 Site Photos)	*Very deep pool below the bridge. Downstream side too deep to assess.
	23 Evidence of Use for Primary Contact Recreation? (Yes*/No)	No
	24 Evidence of Use by Children? (Yes*/No)	No
	25 Evidence of Use for Secondary Contact Recreation? (Yes*/No)	No

Use	Site parameter	Site ID #1293-1
AL/R	26 Additional Description	No nearby residence. Not easy to access. Electronic fence downstream.

Use	Site parameter	Site ID #1293-2
AL/R	15 Latitude, Longitude (DD)	43.21393, -92.06293
AL/R	16 Average Depth (in)	Not sampled (too deep to assess)
AL/R	17 Maximum Depth (in)	Not sampled (too deep to assess)
AL/R	18 Stream Width (ft)	Not sampled (too deep to assess)
AL/R	19 Pools Observed?	Yes
AL only	20 Non-Game Fish Present and Counts (Species: Number)	N/A
	21 Game Fish Present and Counts (Species (Size Range): Number)	N/A
	22 Stream Habitat (See also: #29 Site Photos)	N/A
R only	23 Evidence of Use for Primary Contact Recreation? (Yes*/No)	No
	24 Evidence of Use by Children? (Yes*/No)	No
	25 Evidence of Use for Secondary Contact Recreation? (Yes*/No)	No
AL/R	26 Additional Description	Ludwig County Park. The area is listed as a trout fishing area. Stocked.

Use	Site parameter	Site ID #1293-3
AL/R	15 Latitude, Longitude (DD)	43.23555, -92.00274
AL/R	16 Average Depth (in)	Not sampled (too deep to assess)
AL/R	17 Maximum Depth (in)	Not sampled (too deep to assess)
AL/R	18 Stream Width (ft)	Not sampled (too deep to assess)
AL/R	19 Pools Observed?	Yes
AL only	20 Non-Game Fish Present and Counts (Species: Number)	N/A
	21 Game Fish Present and Counts (Species (Size Range): Number)	N/A
	22 Stream Habitat (See also: #29 Site Photos)	Deep pool below the bridge.
R only	23 Evidence of Use for Primary Contact Recreation? (Yes*/No)	No
	24 Evidence of Use by Children? (Yes*/No)	No
	25 Evidence of Use for Secondary Contact Recreation? (Yes*/No)	No
AL/R	26 Additional Description	N/A

AL = Aquatic Life

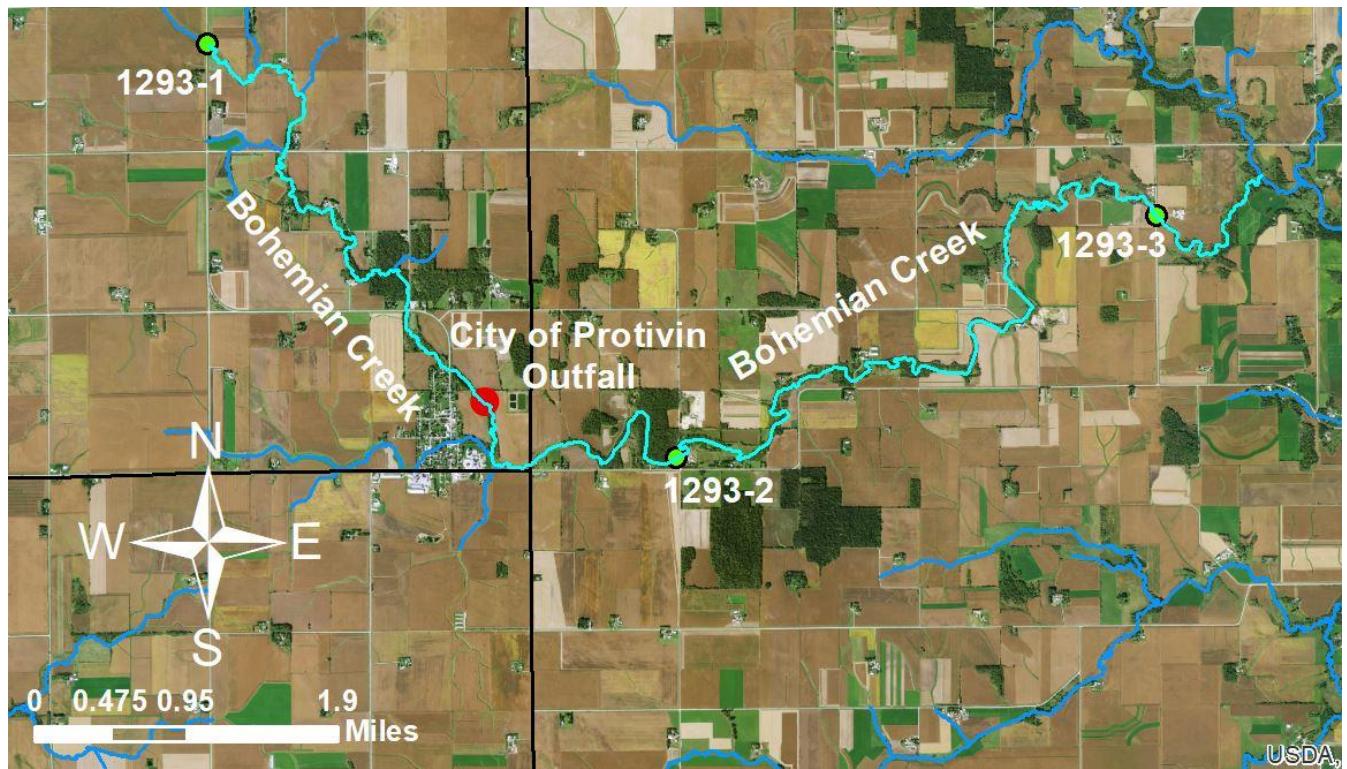
R = Recreation

*If yes, elaborate.

27 Supplemental Data

N/A

28 Map of Segment, Outfall, and Site(s)



29 Site Photos



Figure 1. 1293-1 Recreational use assessment midpoint looking upstream.



Figure 2. 1293-1 Recreational use assessment midpoint looking downstream.



Figure 3. 1293-1 Recreational use assessment showing the deep pool.



Figure 4. 1293-2 Recreational use assessment midpoint looking upstream.



Figure 5. 1293-2 Recreational use assessment midpoint looking downstream.



Figure 6. 1293-2 Recreational use assessment showing streamside park.