

## Use Attainability Analysis

<b>1 Water Body Name</b>	Unnamed Tributary to South Cedar Creek
<b>2 Segment Description</b>	Mouth to Garnavillo STP outfall
<b>3 Segment Length (mi)</b>	0.10
<b>4 Drainage Area (sq. mi.)</b>	0.01
<b>5 Segment Start Latitude, Longitude (DD)</b>	42.85700, -91.24260
<b>6 Segment End Latitude, Longitude (DD)</b>	42.85760, -91.24218
<b>7 Route of Flow (Next Downstream Adopted Designated Use)</b>	Unnamed Tributary (General Use, proposed) to South Cedar Creek (A2, BWW2)
<b>8 NPDES Facility and Permit Number (If Applicable)</b>	Garnavillo, City of STP (2234001)
<b>9 Sample Site ID(s)</b>	418-5
<b>10 Segment County Name(s)</b>	Clayton
<b>11 Field Work Date(s)</b>	9/21/2017

### 12 Aquatic Life Use Attainability Analysis - Conclusion

<b>Recommended Highest Attainable Use: Aquatic Life Use</b>	General Use
<b>40 CFR 131.10(g)(2) (Flow)</b>	The natural low flow conditions of the stream segment are insufficient to create the habitat necessary to support a community of fish (see Site Observations Table). A BWW1 designation requires multiple species and age ranges of game fish to be viable. A BWW2 designation requires permanent flow. A BWW3 designation requires intermittent flow with perennial pools. This segment has none of those. Therefore, the highest attainable use for this stream segment is general use. As this stream segment was not identified as perennial by the U.S. Geological Survey 1:100,000 DLG Hydrography Data Map (published July 1993) as described in 567 IAC 61.3(1)“b”, it does not require rulemaking.
<b>40 CFR 131.10(g)(5) (Physical Conditions)</b>	Physical conditions related to the natural features of the water body are insufficient to support a community of fish (see Site Observations Table). A BWW1 designation requires multiple species and age ranges of game fish to be viable. A BWW2 designation requires enough habitat beyond non-flowing perennial pools to support an aquatic community. A BWW3 designation requires habitat in perennial pools to support an aquatic community. This segment has none of those. Therefore, the highest attainable use for this stream segment is general use. As this stream segment was not identified as perennial by the U.S. Geological Survey 1:100,000 DLG Hydrography Data Map (published July 1993) as described in 567 IAC 61.3(1)“b”, it does not require rulemaking.

### 13 Recreational Use Attainability Analysis - Conclusion

<b>Recommended Highest Attainable Use: Recreational Use</b>	General Use
<b>40 CFR 131.10(g)(2) (Flow)</b>	The natural low flow conditions and water levels of the stream segment prevent the attainment of any recreational use (see Site Observations Table). A1, A2, and A3 designations require the ability to recreate in and on the water. This segment has no water. Therefore, the highest attainable use for this segment is general use. As this stream segment was not identified as perennial by the U.S. Geological Survey 1:100,000

	DLG Hydrography Data Map (published July 1993) as described in 567 IAC 61.3(1)“b”, it does not require rulemaking.
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#### 14 Flow

Field Work Date	Description
9/21/2017	<a href="#">USGS stream gage data</a> for the area indicated stream flows were normal at the time of assessment.

#### Use Attainability Analysis - Data

##### Site Observations

Use	Site parameter	Site ID #418-5
AL/R	15 Latitude, Longitude (DD)	42.85739, -91.24267
AL/R	16 Average Depth (in)	Not measured
AL/R	17 Maximum Depth (in)	Not measured
AL/R	18 Stream Width (ft)	Not measured
AL/R	19 Pools Observed?	Not measured
AL only	20 Non-Game Fish Present and Counts (Species: Number)	Not sampled
	21 Game Fish Present and Counts (Species (Size Range): Number)	Not sampled
	22 Stream Habitat (See also: #29 Site Photos)	Dry streambed above the outfall.
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	The facility was discharging at the time of the site visit as noted in comments and visible in pictures. Iowa DNR confirmed this location is a continuous discharge facility.

AL = Aquatic Life

R = Recreation

\*If yes, elaborate.

#### 27 Supplemental Data

N/A

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

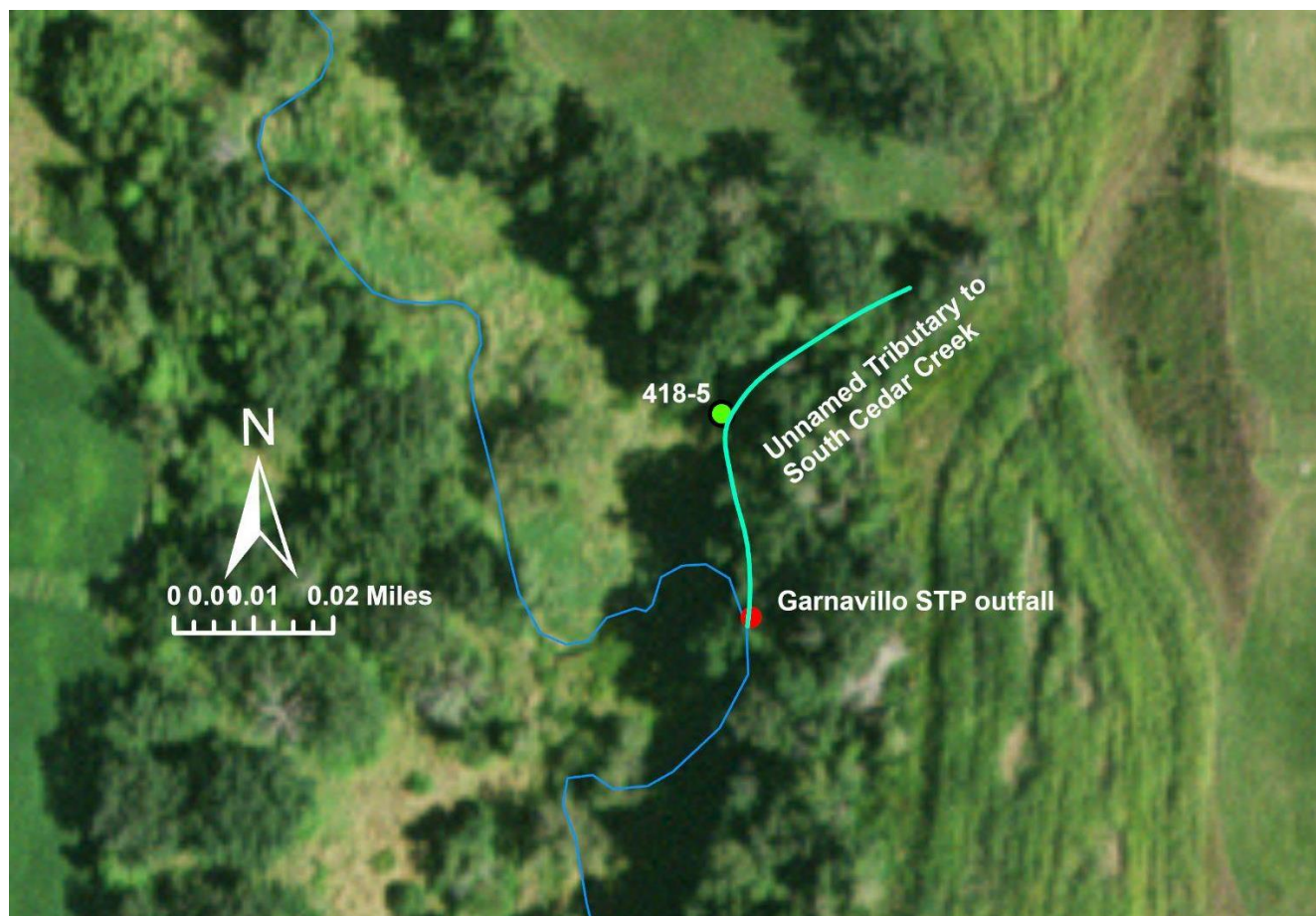






Figure 1. 418-5 Dry stream bed above outfall.



Figure 2. 418-5 Outfall.





**Figure 3. 418-5 View downstream from outfall.**



**Figure 4. 418-5 View downstream from outfall photo 2. South Cedar Creek just beyond downed tree.**





**Figure 5. 418-5 View downstream from outfall photo 3.**



**Figure 6. 418-5 Unnamed Creek close to South Cedar Creek - view downstream.**





**Figure 7. 418-5 Unnamed Creek close to South Cedar Creek - view downstream photo 2.**