

## Use Attainability Analysis

<b>1 Water Body Name</b>	Unnamed Tributary to Unnamed Tributary to Ninemile Creek
<b>2 Segment Description</b>	Mouth to dam
<b>3 Segment Length (mi)</b>	0.45
<b>4 Drainage Area (sq. mi.)</b>	0.3
<b>5 Segment Start Latitude, Longitude (DD)</b>	41.21332, -94.41161
<b>6 Segment End Latitude, Longitude (DD)</b>	41.21434, -94.41889
<b>7 Route of Flow (Next Downstream Adopted Designated Use)</b>	Unnamed Tributary (general use, proposed) to Unnamed Tributary (A2, BWW2, proposed) to Ninemile Creek (A2, BWW2, pending) to Thompson River (Grand River) (A2, BWW2)
<b>8 NPDES Facility and Permit Number (If Applicable)</b>	Orient STP (SIRWA) (0160001)
<b>9 Sample Site ID(s)</b>	1236-1, 1236-2
<b>10 Segment County Name(s)</b>	Adair
<b>11 Field Work Date(s)</b>	7/6/2016

### 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
7/6/2016	<a href="#">USGS stream gage 06898000</a> data for the area indicated stream flows were normal at the time of assessment.

#### Use Attainability Analysis - Data Site Observations

Use	Site parameter	Site ID #1236-1
AL/R	<b>15 Latitude, Longitude (DD)</b>	41.21328, -94.41319
AL/R	<b>16 Average Depth (in)</b>	Not sampled
AL/R	<b>17 Maximum Depth (in)</b>	Not sampled
AL/R	<b>18 Stream Width (ft)</b>	Not sampled
AL/R	<b>19 Pools Observed?</b>	Not sampled
AL only	<b>20 Non-Game Fish Present and Counts (Species: Number)</b>	Not sampled
	<b>21 Game Fish Present and Counts (Species (Size Range): Number)</b>	Not sampled
	<b>22 Stream Habitat (See also: #29 Site Photos)</b>	Very small creek with little water. Heavily vegetated and overgrown. Likely dry most of the year.
R only	<b>23 Evidence of Use for Primary Contact Recreation? (Yes*/No)</b>	Not sampled
	<b>24 Evidence of Use by Children? (Yes*/No)</b>	Not sampled
	<b>25 Evidence of Use for Secondary Contact Recreation? (Yes*/No)</b>	Not sampled
AL/R	<b>26 Additional Description</b>	Very overgrown and difficult to access.

Use	Site parameter	Site ID #1236-2
AL/R	<b>15 Latitude, Longitude (DD)</b>	41.21333, -94.41173
AL/R	<b>16 Average Depth (in)</b>	<1
AL/R	<b>17 Maximum Depth (in)</b>	<1
AL/R	<b>18 Stream Width (ft)</b>	1
AL/R	<b>19 Pools Observed?</b>	No
AL only	<b>20 Non-Game Fish Present and Counts (Species: Number)</b>	None
	<b>21 Game Fish Present and Counts (Species (Size Range): Number)</b>	None
	<b>22 Stream Habitat (See also: #29 Site Photos)</b>	Very little water. Channel overgrown.
R only	<b>23 Evidence of Use for Primary Contact Recreation? (Yes*/No)</b>	Not sampled
	<b>24 Evidence of Use by Children? (Yes*/No)</b>	Not sampled
	<b>25 Evidence of Use for Secondary Contact Recreation? (Yes*/No)</b>	Not sampled
AL/R	<b>26 Additional Description</b>	Channel dimensions were about 3 feet high by 1 foot wide. Very difficult to access.

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. 1236-1 Looking upstream.



Figure 2. 1236-1 Looking downstream.



**Figure 3. 1236-1** Looking back towards treatment pond.



**Figure 4. 1236-2** Heavy brush blocking creek.



**Figure 5. 1236-2 Looking down at creek upstream.**



**Figure 6. 1236-2 Looking down at creek downstream.**