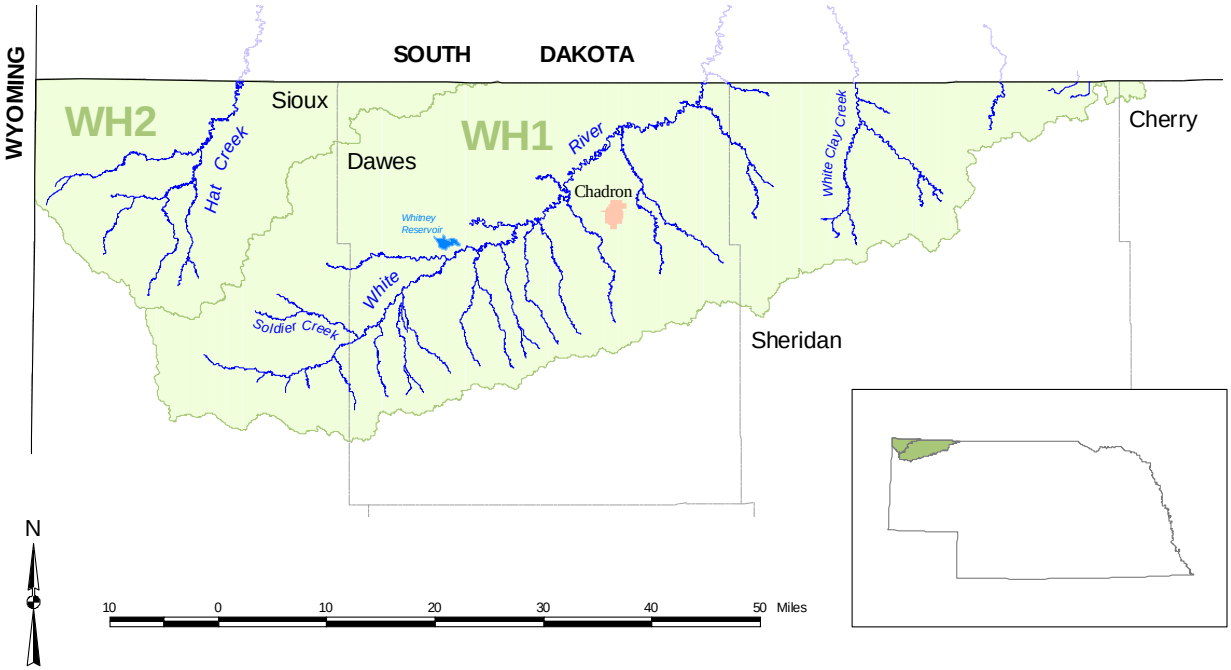
# WHITE RIVER - HAT CREEK BASIN (and Subbasins)




## White River-Hat Creek Basin – Hydrologic Units 10120108, 10120108 and 10140201

The White River-Hat Creek Basin includes 63 designated stream segments and 27 designated lake/reservoirs

| Waterbody Type | Primary Contact Recreation | Aquatic Life CA[1] | Aquatic Life CB[1] | Aquatic Life WA[1] | Aquatic Life WB[1] | Water Supply – Public Drinking | Water Supply – Ag | Water Supply-Ind. | Aesthetics |
|---|---|---|---|---|---|---|---|---|---|
| Lakes | 27 | 0 | 14 | 13 | 0 | 0 | 27 | 0 | 27 |
| Streams | 18 | 15 | 36 | 1 | 11 | 7 | 63 | 0 | 63 |

[1] CA = Coldwater Class A, CB = Coldwater Class B, WA = Warmwater Class A and WB = Warmwater Class B

**Delisting/ Changes from 2008 IR**

The following are waters and or parameters that were delisted – removed from category 5 or other significant changes from the 2008 IR.

***WH1-L0060: Whitney Reservoir-*** The 2008 Integrated Report included this waterbody as impaired by excessive nutrients. The nutrient assessment process for 2008 was designed to provide numeric translators to the narrative aesthetic beneficial use criteria as defined in the State of Nebraska approved Title 117 – Nebraska Surface Water Quality Standards. EPA concluded that the nutrient values used to derive the numeric translators were not acceptable and could not be used for Clean Water Act purposes. For the 2010 Integrated Report, EPA and NDEQ agreed to an alternative set of nutrient assessment end points for this reporting cycle. Following the agreed upon nutrient translators and the 2010 assessment methodologies,

the nutrient data and information for this waterbody do not meet the requirements for assessment. Additional parameters designed to protect aquatic life indicate this waterbody is supporting the aquatic life beneficial use. Additionally, the 2010 aesthetics beneficial use assessment for this waterbody demonstrates full support; therefore, this waterbody will be relocated to category 2.

| Waterbody ID | Waterbody Name | Recreation | Aquatic Life | Public Drinking Water | Agriculture Water Supply | Industrial Water Supply | Aesthetics | Overall Assessment | 2010 IR | Impairments | Parameters of Concern | Comments/Action |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lakes** | | | | | | | | | | | | |
| WH1-L0010 | Isham Lake | NA | I | | S | | S | I | 5 | High pH | Unknown | Delist nutrients -insufficient data for assessment procedures |
| WH1-L0020 | Chadron City Reservoir South | NA | NA | | NA | | NA | | 3 | | | |
| WH1-L0030 | Chadron City Reservoir North | NA | S | | S | | S | S | 2 | | | |
| WH1-L0040 | Chadron State Park Pond | NA | NA | | NA | | NA | | 3 | | | |
| WH1-L0050 | Snus Lake | NA | NA | | NA | | NA | | 3 | | | |
| WH1-L0060 | Whitney Reservoir | NA | S | | S | | S | S | 2 | | | Fish consumption assessment, Delist chlorophyll based on assessment procedures |
| WH1-L0070 | Dodd Dam Lake | NA | NA | | NA | | NA | | 3 | | | |
| WH1-L0080 | Rock Bass Dam Lake | NA | S | | S | | S | S | 2 | | | |
| WH1-L0090 | Lake Crawford (Ft. Robinson State Park) | NA | NA | | NA | | NA | | 3 | | | |
| WH1-L0100 | Cherry Creek Pond (Ft. Robinson State Park) | NA | NA | | NA | | NA | | 3 | | | |
| WH1-L0105 | Cherry Creek Diversion Pond (Ft. Robinson State Park) | NA | NA | | NA | | NA | | 3 | | | |
| WH1-L0110 | Lower Ice House Pond (Ft. Robinson State Park) | NA | NA | | NA | | NA | | 3 | | | |
| WH1-L0120 | Ice House Diversion Pond (Ft Robinson State Park) | NA | NA | | NA | | NA | | 3 | | | |
| WH1-L0130 | Upper Ice House Pond (Ft. Robinson State Park) | NA | NA | | NA | | NA | | 3 | | | |
| WH1-L0140 | Grabel Pond No 1 (Ft. Robinson State Park) | NA | NA | | NA | | NA | | 3 | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WH1-L0150 | Grabel Pond No 2 (Ft. Robinson State Park) | NA | NA | | NA | | NA | | 3 | | | |
| WH1-L0160 | Grabel Pond No 3 (Ft. Robinson State Park) | NA | NA | | NA | | NA | | 3 | | | |
| WH1-L0170 | Grabel Pond No 5 (Ft. Robinson State Park) | NA | NA | | NA | | NA | | 3 | | | |
| WH1-L0180 | Boardgate Pond | NA | I | | S | | S | I | 5 | High pH | Unknown | Delist nutrients -insufficient data for assessment procedures |
| WH1-L0190 | Crazy Horse Lake (Ft. Robinson State Park) | NA | NA | | NA | | NA | | 3 | | | |
| WH1-L0200 | Lake Carter P. Johnson (Ft. Robinson State Park) | NA | I | | S | | S | I | 5 | Fish consumption advisory, High pH | Hazard Index compounds, Mercury, Unknown | Fish consumption assessment |
| WH1-L0210 | Beaver Dam Pond | NA | NA | | NA | | NA | | 3 | | | |
| WH1-L0220 | Round Top Pond | NA | NA | | NA | | NA | | 3 | | | |
| WH2-L0010 | Lundy Pond | NA | NA | | NA | | NA | | 3 | | | |
| WH2-L0020 | Agate Pond | NA | I | | S | | S | I | 5 | High pH | Unknown | Delist nutrients -insufficient data for assessment procedures |
| WH2-L0030 | Meng Lake | NA | I | | I | | S | I | 5 | Nutrients, High pH, Conductivity | Total phosphorus, Unknown | |
| WH2-L0040 | Gilbert-Baker Pond (WMA) | NA | NA | | NA | | NA | | 3 | | | |
| **Streams** | | | | | | | | | | | | |
| WH1-10000 | White River | | S | S | S | | S | S | 2 | | | Aquatic community & Fish consumption assessment, IBI score influenced by low water |
| WH1-10100 | Unnamed Creek | | NA | | NA | | NA | | 3 | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WH1-10200 | Unnamed Creek | | NA | | NA | | NA | | 3 | | | |
| WH1-10300 | Wounded Knee Creek | | NA | | NA | | NA | | 3 | | | |
| WH1-10400 | White Clay Creek | | NA | | NA | | NA | | 3 | | | |
| WH1-10410 | Patton Creek | | NA | | NA | | NA | | 3 | | | |
| WH1-10420 | Larabee Creek | | S | | NA | | NA | S | 2 | | | Aquatic community assessment |
| WH1-10421 | Unnamed Creek | | NA | | NA | | NA | | 3 | | | |
| WH1-10422 | Unnamed Creek | | NA | | NA | | NA | | 3 | | | |
| WH1-10430 | Larabee Creek | | NA | | NA | | NA | | 3 | | | |
| WH1-10500 | White Clay Creek | | NA | | NA | | NA | | 3 | | | |
| WH1-10510 | Unnamed Creek | | NA | | NA | | NA | | 3 | | | |
| WH1-10600 | White Clay Creek | | NA | | NA | | NA | | 3 | | | |
| WH1-10610 | Unnamed Creek | | NA | | NA | | NA | | 3 | | | |
| WH1-10700 | Limekiln Creek | | NA | | NA | | NA | | 3 | | | |
| WH1-10800 | Beaver Creek | | NA | | NA | | NA | | 3 | | | |
| WH1-10810 | Little Beaver Creek | | NA | | NA | | NA | | 3 | | | |
| WH1-10900 | Beaver Creek | | S | | NA | | NA | S | 2 | | | Aquatic community assessment |
| WH1-11000 | Alkali Creek | | NA | | NA | | NA | | 3 | | | |
| WH1-11100 | Bordeaux Creek | | S | | NA | | NA | S | 2 | | | Fish consumption assessment |
| WH1-11110 | Little Bordeaux Creek | NA | NA | | NA | | NA | | 3 | | | |
| WH1-11120 | Big Bordeaux Creek | | S | | NA | | NA | S | 2 | | | Aquatic community assessment |
| WH1-11200 | Lone Tree Creek | | NA | | NA | | NA | | 3 | | | |
| WH1-11300 | Chadron Creek | I | S | S | S | | S | I | 5 | E. coli | E. coli | Fish consumption assessment |
| WH1-11400 | Dead Horse Creek | NA | NA | | NA | | NA | | 3 | | | |
| WH1-11500 | Trunk Butte Creek | NA | NA | | NA | | NA | | 3 | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WH1-11600 | Big Cottonwood Creek | NA | NA | | NA | | NA | | 3 | | | |
| WH1-11700 | Indian Creek | NA | NA | | NA | | NA | | 3 | | | |
| WH1-11710 | Cunningham Creek | NA | NA | | NA | | NA | | 3 | | | |
| WH1-11800 | Ash Creek | | NA | | NA | | NA | | 3 | | | |
| WH1-11810 | East Ash Creek | NA | NA | | NA | | NA | | 3 | | | |
| WH1-11820 | West Ash Creek | NA | S | | NA | | NA | S | 2 | | | Aquatic community assessment |
| WH1-11900 | Little Cottonwood Creek | | NA | | NA | | NA | | 3 | | | |
| WH1-12000 | Little Cottonwood Creek | NA | NA | | NA | | NA | | 3 | | | |
| WH1-20000 | White River | I | S | S | S | | S | I | 4a | E. coli | E. coli | E. coli TMDL approved 1/06, Aquatic community & Fish consumption assessment |
| WH1-20100 | White Clay Creek | I | S | | S | | S | I | 5 | E. coli | E. coli | |
| WH1-20110 | Squaw Creek | | NA | | NA | | NA | | 3 | | | |
| WH1-20111 | English Creek | | NA | | NA | | NA | | 3 | | | |
| WH1-20120 | Squaw Creek | NA | NA | | NA | | NA | | 3 | | | |
| WH1-20130 | Unnamed Creek | NA | NA | | NA | | NA | | 3 | | | |
| WH1-20200 | Bozle Creek | | NA | | NA | | NA | | 3 | | | |
| WH1-20300 | Soldier Creek | | S | S | S | | S | S | 1 | | | Fish consumption assessment |
| WH1-20310 | Middle Fork Soldier Creek | | S | | NA | | NA | S | 2 | | | Aquatic community assessment |
| WH1-20400 | Soldier Creek | | NA | | NA | | NA | | 3 | | | |
| WH1-30000 | White River | I | S | S | S | | S | I | 5 | E. coli | E. coli | Fish consumption assessment |
| WH1-30100 | Dead Man's Creek | NA | NA | NA | NA | | NA | | 3 | | | |
| WH1-30200 | Deep Creek | | NA | | NA | | NA | | 3 | | | |
| WH1-30300 | Bull Creek | | NA | | NA | | NA | | 3 | | | |
| WH1-30400 | Kyle Creek | | NA | | NA | | NA | | 3 | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WH1-40000 | White River | | S | NA | NA | | NA | S | 2 | | | Aquatic community assessment |
| WH2-10000 | Hat Creek | NA | S | | S | | S | S | 2 | | | |
| WH2-10100 | Squaw Creek | NA | NA | | NA | | NA | | 3 | | | |
| WH2-10110 | West Squaw Creek | | NA | | NA | | NA | | 3 | | | |
| WH2-10200 | Warbonnet Creek | | S | | NA | | NA | S | 2 | | | Aquatic community assessment |
| WH2-10210 | Sowbelly Creek | | NA | | NA | | NA | | 3 | | | |
| WH2-10220 | Sowbelly Creek | | NA | | NA | | NA | | 3 | | | |
| WH2-10230 | Monroe Creek | | NA | | NA | | NA | | 3 | | | |
| WH2-10240 | Monroe Creek | | S | | S | | S | S | 1 | | | |
| WH2-20000 | Hat Creek | | NA | | NA | | NA | | 3 | | | |
| WH2-30000 | Hat Creek | | S | | S | | S | S | 1 | | | |
| WH2-30100 | East Hat Creek | | NA | | NA | | NA | | 3 | | | |
| WH2-30200 | West Hat Creek | | NA | | NA | | NA | | 3 | | | |
| WH2-30300 | West Hat Creek | | NA | | NA | | NA | | 3 | | | |