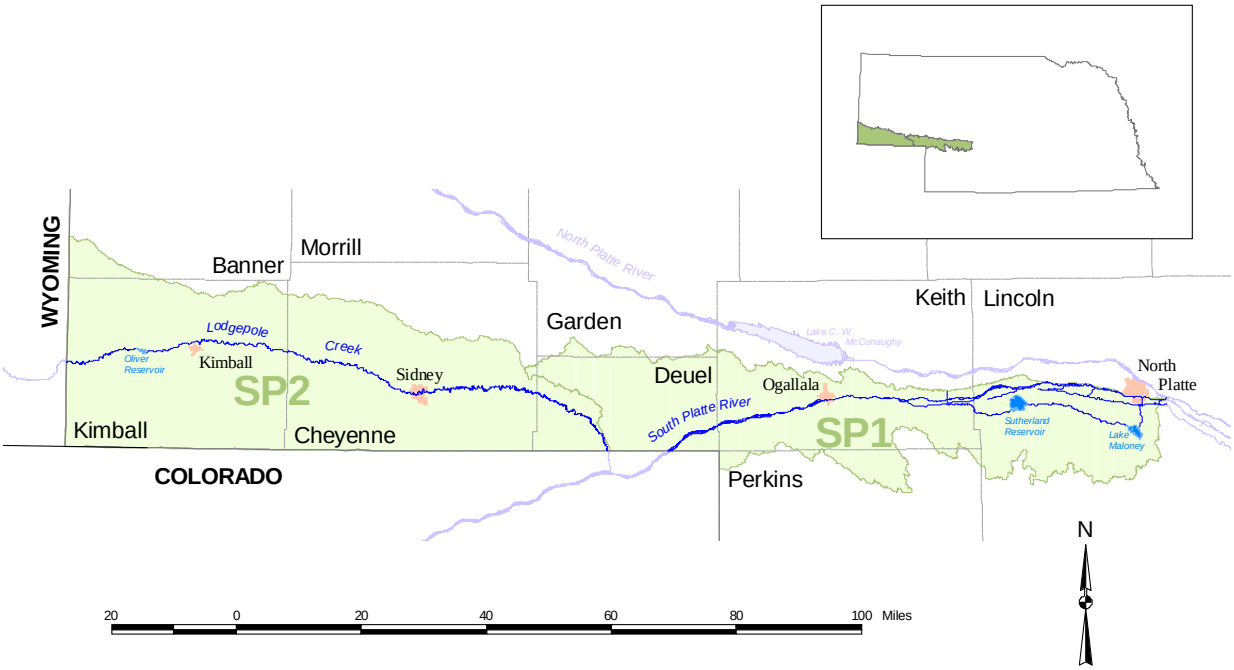
# SOUTH PLATTE RIVER BASIN (and Subbasins)




## South Platte Basin – Hydrologic Units 10190012, 10190015, 10190016, 10190017 and 10190018

The South Platte River Basin includes 28 designated stream segments and 13 designated lakes/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 | 13 | 0 | 1 | 12 | 0 | 0 | 13 | 2 | 13 |
| Streams | 16 | 1 | 13 | 11 | 3 | 0 | 28 | 4 | 28 |

[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.

***SP1-L0030: Birdwood Lake and SP1-50000: South Platte River-*** These waterbodies were listed as impaired in the 2008 Integrated Report for fish consumption advisories. New fish tissue assessments find that the fish consumption advisories can be removed for both of these waterbodies. Additionally, both of these waterbodies support all assessed beneficial uses. The fish consumption advisory impairments will be delisted and both these waterbodies will be placed in category 2.

***SP1-L0080: Sutherland Reservoir-***This waterbody was listed as impaired in the 2008 Integrated Report for a fish consumption advisory. New fish tissue assessments find that the fish consumption advisories can be removed for this reservoir. Additionally, this reservoir fully supports all assigned beneficial uses. The fish consumption advisory impairment will be delisted and this waterbody will be place in category 1.

| 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** | | | | | | | | | | | | |
| SP1-L0010 | Interstate Lake (North Platte) | NA | I | | NA | | S | I | 5 | Fish consumption advisory | Hazard index compounds, Mercury | Fish consumption assessment |
| SP1-L0020 | Lake Maloney | S | S | | S | S | S | S | 1 | | | Fish consumption assessment |
| SP1-L0030 | Birdwood Lake (WMA) | NA | S | | S | | S | S | 2 | | | Fish consumption assessment, Delist fish consumption advisory-new assessments show full support |
| SP1-L0040 | East Hershey Lake (WMA) | NA | I | | NA | | NA | I | 5 | Fish consumption advisory | Hazard index compounds, Mercury | Fish consumption assessment |
| SP1-L0050 | Hershey Lake (WMA) | NA | I | | S | | S | I | 5 | Fish consumption advisory, High pH | Mercury, Unknown | Fish consumption assessment, Delist nutrients-insufficient datafor assessment procedures |
| SP1-L0060 | West Hershey Lake (WMA) | NA | NA | | NA | | NA | | 3 | | | |
| SP1-L0070 | East Sutherland Lake (WMA) | NA | NA | | NA | | NA | | 3 | | | |
| SP1-L0080 | Sutherland Reservoir | S | S | | S | S | S | S | 1 | | | Fish consumption assessment, Delist fish consumption advisory-new assessments show full support |
| SP1-L0090 | Ogallala City Park Lake | NA | NA | | NA | | S | S | 2 | | | |
| SP1-L0095 | Big Springs Community Lake | NA | NA | | NA | | I | I | 4c | Dead trees | None | Received complaints about dead trees around the lake |
| SP1-L0100 | Goldeneye Pond (WMA) | NA | S | | I | | S | I | 5 | Conductivity | Unknown | Fish consumption assessment |
| SP2-L0010 | Chappell Interstate Lake | NA | I | | NA | | S | I | 5 | Fish consumption advisory | Hazard index compounds | Fish consumption assessment |

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SP2-L0030 | Oliver Reservoir | S | I | | S | | S | I | 5 | Fish consumption advisory, Nutrients, Low dissolved oxygen | Mercury, Total phosphorus, Total nitrogen, Chlorophyll a | Fish consumption assessment |
| **Streams** | | | | | | | | | | | | |
| SP1-10000 | South Platte River | S | I | | S | | S | I | 5 | Fish consumption advisory | Hazard Index compounds | Fish consumption assessment |
| SP1-10100 | Fremont Slough | NA | NA | | NA | | NA | | 3 | | | |
| SP1-10200 | Fremont Slough | NA | NA | | NA | | NA | | 3 | | | |
| SP1-10300 | Fremont Slough | | NA | | NA | | NA | | 3 | | | |
| SP1-10400 | Fremont Slough | | NA | | NA | | NA | | 3 | | | |
| SP1-10500 | Outlet Canal | S | I | | NA | S | NA | I | 5 | Fish consumption advisory | Hazard Index compounds, Mercury | Fish consumption assessment |
| SP1-10600 | Outlet Canal | NA | I | | NA | S | NA | I | 5 | Fish consumption advisory | Cancer Risk & Hazard Index compounds | Fish consumption assessment |
| SP1-10700 | Sutherland Canal | NA | NA | | NA | | NA | | 3 | | | |
| SP1-10710 | South Platte River Supply Canal | | NA | | NA | NA | NA | | 3 | | | |
| SP1-20000 | South Platte River | S | I | | S | | S | I | 5 | Selenium | Selenium | Aquatic community & Fish consumption assessment |
| SP1-20100 | Fremont Slough | NA | S | | NA | | NA | S | 2 | | | Aquatic community assessment |
| SP1-20200 | Fremont Slough | | NA | | NA | | NA | | 3 | | | |

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SP1-30000 | South Platte River | NA | NA | | NA | | NA | | 3 | | | |
| SP1-30100 | Fremont Slough | | S | | NA | | NA | S | 2 | | | Aquatic community assessment |
| SP1-30200 | Unnamed Creek | NA | NA | | NA | | NA | | 3 | | | |
| SP1-40000 | South Platte River | NA | S | | NA | | NA | S | 2 | | | Aquatic community assessment |
| SP1-40100 | Unnamed Creek | | NA | | NA | | NA | | 3 | | | |
| SP1-50000 | South Platte River | NA | S | | NA | | NA | S | 2 | | | Fish consumption assessment, Delist fish consumption advisory based on new assessments |
| SP1-60000 | South Platte River | NA | S | | NA | | NA | S | 2 | | | Aquatic community assessment |
| SP1-70000 | South Platte River | S | S | | S | | S | S | 1 | | | All parameters support beneficial uses |
| SP1-80000 | South Platte River | NA | S | | NA | | NA | S | 2 | | | Aquatic community assessment |
| SP1-90000 | South Platte River | S | I | | I | | S | I | 5 | Conductivity, Selenium | Conductivity, Selenium | |
| SP2-10000 | Lodgepole Creek | | S | | NA | | NA | S | 2 | | | Aquatic community assessment, IBI score is influenced by low water |
| SP2-20000 | Lodgepole Creek | | S | | NA | | NA | S | 2 | | | Aquatic community assessment, IBI score is influenced by low water |
| SP2-30000 | Lodgepole Creek | | S | | NA | | NA | S | 2 | | | Aquatic community assessment |

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SP2-40000 | Lodgepole Creek | | S | | NA | | NA | S | 2 | | | Aquatic community assessment |
| SP2-50000 | Lodgepole Creek | | I | | S | | S | I | 5 | Low dissolved oxygen | Unknown | |
| SP2-60000 | Lodgepole Creek | | NA | | NA | | NA | | 3 | | | |
| | | | | | | | | | | | | |