| Sta. Number | Name | Latitude | Longitude | Elevation, m | Years of Record | Drainage Area, sq-km |
| --- | --- | --- | --- | --- | --- | --- |
| 06400875 | HORSEHEAD CR AT OELRICHS,SD | 43.2 | -103.2 | 1,010.8 | 36 | 486.9 |
| 06402430 | BEAVER CREEK NEAR PRINGLE, SD | 43.6 | -103.5 | 1,274.1 | 28 | 118.1 |
| 06402600 | CHEYENNE R NEAR BUFFALO GAP SD | 43.5 | -103.1 | 857.4 | 13 | 25,350.8 |
| 06403300 | FRENCH CR ABOVE FAIRBURN SD | 43.7 | -103.4 | 1,173.5 | 37 | 271.9 |
| 06403700 | CHEYENNE RIVER AT RED SHIRT, SD | 43.7 | -102.9 | 808.7 | 21 | 26,557.7 |
| 06408650 | CHEYENNE RIVER NEAR SCENIC, SD | 43.9 | -102.6 | 741.4 | 12 | 29,018.2 |
| 06438500 | CHEYENNE R NEAR PLAINVIEW,SD | 44.5 | -101.9 | 563.5 | 23 | 55,270.3 |
| 06445700 | WHITE RIVER AT SLIM BUTTE, SD | 43.1 | -102.8 | 914.4 | 7 | 3,693.3 |
| 06446100 | WOUNDED KNEE CREEK AT WOUNDED KNEE, SD | 43.1 | -102.4 | 975.4 | 6 | 190.4 |
| 06446700 | BEAR IN THE LODGE CR NEAR WANBLEE,SD | 43.5 | -101.8 | 762.0 | 26 | 1,095.6 |
| 06447230 | BLACK PIPE CREEK NR BELVIDERE, SD | 43.8 | -101.2 | 627.9 | 27 | 707.1 |
| 06447450 | WHITE RIVER NEAR WHITE RIVER, SD | 43.7 | -100.7 | 539.5 | 18 | 16,063.1 |
| 06448000 | LAKE CR ABOVE REFUGE NEAR TUTHILL,SD | 43.1 | -101.6 | 941.8 | 21 | 147.6 |
| 06449300 | LITTLE WHITE R ABV ROSEBUD SD | 43.3 | -100.9 | 736.4 | 21 | 2,214.4 |
| 06449400 | ROSEBUD CR AT ROSEBUD SD | 43.2 | -100.9 | 771.7 | 20 | 126.9 |
| 06400000 | HAT CR NEAR EDGEMONT,SD | 43.2 | -103.6 | 1,005.0 | 39 | 2,476.0 |
| 06402000 | FALL R AT HOT SPRINGS,SD | 43.4 | -103.5 | 1,040.3 | 39 | 352.2 |
| 06402470 | BEAVER CREEK ABOVE BUFFALO GAP, SD | 43.5 | -103.4 | 1,027.8 | 7 | 287.5 |
| 06402500 | BEAVER CR NEAR BUFFALO GAP,SD | 43.5 | -103.3 | 960.7 | 39 | 328.9 |
| 06406000 | BATTLE CR AT HERMOSA,SD | 43.8 | -103.2 | 1,002.8 | 39 | 437.7 |
| 06406500 | BATTLE CR BELOW HERMOSA,SD | 43.7 | -102.9 | 853.5 | 30 | 735.6 |
| 06408500 | SPRING CR NEAR HERMOSA,SD | 43.9 | -103.2 | 995.3 | 25 | 530.9 |
| 06423500 | CHEYENNE RIVER NEAR WASTA, SD | 44.1 | -102.4 | 689.1 | 39 | 32,825.5 |
| 06425500 | ELK CR NEAR ELM SPRINGS,SD | 44.2 | -102.5 | 702.9 | 39 | 1,419.3 |
| 06440200 | SOUTH FORK BAD R NEAR COTTONWOOD,SD | 44.0 | -101.8 | 683.7 | 30 | 665.6 |
| 06441110 | PLUM CREEK BELOW HAYES, SD | 44.2 | -100.7 | 491.3 | 6 | 766.6 |
| 06441500 | BAD R NEAR FORT PIERRE,SD | 44.3 | -100.4 | 435.2 | 39 | 8,150.7 |
| 06445685 | WHITE R NR NE-SD STATE LINE | 43.0 | -102.8 | 923.5 | 31 | 3,540.5 |
| 06445980 | WHITE CLAY CR NEAR OGLALA SD | 43.1 | -102.7 | 914.9 | 14 | 971.2 |
| 06446000 | WHITE R NEAR OGLALA SD | 43.3 | -102.8 | 869.8 | 39 | 5,584.0 |
| 06446500 | WHITE R NEAR INTERIOR,SD | 43.7 | -101.9 | 698.1 | 16 | 10,603.4 |
| 06447000 | WHITE R NEAR KADOKA,SD | 43.8 | -101.5 | 646.8 | 39 | 12,828.2 |
| 06447500 | LITTLE WHITE R NEAR MARTIN,SD | 43.2 | -101.6 | 928.1 | 39 | 774.4 |
| 06449000 | LAKE CR BELOW REFUGE NEAR TUTHILL,SD | 43.1 | -101.5 | 931.2 | 39 | 313.4 |
| 06449100 | LITTLE WHITE R NEAR VETAL,SD | 43.1 | -101.2 | 847.6 | 39 | 1,478.9 |
| 06449500 | LITTLE WHITE R NEAR ROSEBUD SD | 43.3 | -100.9 | 699.5 | 39 | 2,535.6 |
| 06450500 | LITTLE WHITE R BELOW WHITE RIVER,SD | 43.6 | -100.7 | 583.0 | 39 | 3,872.0 |
| 06452000 | WHITE R NEAR OACOMA,SD | 43.7 | -99.6 | 419.8 | 39 | 25,524.3 |
| 06461500 | Niobrara River near Sparks, Nebr. | 42.9 | -100.4 | 697.3 | 39 | 18,518.4 |
| 06463500 | Long Pine Creek near Riverview, Nebr. | 42.7 | -99.7 | 603.9 | 39 | 1,186.2 |
| 06464100 | KEYA PAHA R NEAR KEYAPAHA,SD | 43.1 | -100.1 | 679.7 | 37 | 1,377.9 |
| 06464500 | KEYA PAHA R AT WEWELA,SD | 43.0 | -99.8 | 624.8 | 39 | 2,903.4 |

| Hydrologic Unit Code | Station Id | Name | Latitude | Longitude | Elevation, m | Drainage Area, sq-km |
| --- | --- | --- | --- | --- | --- | --- |
| 101402030209 | LWR3 | Little White River near Town of Tuthill | 43.2 | -101.5 | 898.8 | 875.2 |
| 101402011603 | WOK2 | Middle Wounded Knee Creek near Town of Wounded Knee | 43.1 | -102.4 | 969.3 | 190.8 |
| 101402011608 | WOK4 | Fast Horse Creek | 43.4 | -102.5 | 813.1 | 720.0 |
| 101402011202 | WOL1 | Wolf Creek | 43.0 | -102.5 | 1,008.3 | 40.4 |
| 101402011607 | WOK3 | Middle Wounded Knee Creek near Kiva Park | 43.3 | -102.5 | 890.0 | 563.8 |
| 101402011602 | WOK1 | Headwaters Wounded Knee Creek | 43.0 | -102.3 | 1,014.2 | 73.3 |
| 101402011107 | WCC1 | Upper White Clay Creek | 43.0 | -102.6 | 990.5 | 571.2 |
| 101402011204 | WCC2 | Middle White Clay Creek | 43.1 | -102.6 | 945.5 | 849.5 |
| 101402011205 | WCC3 | Lower White Clay Creek | 43.2 | -102.8 | 881.1 | 1,063.5 |
| 101402010902 | WHR1 | White River near Nebraska Border | 43.0 | -102.8 | 920.8 | 3,557.1 |
| 101402011408 | WHR2 | Upper White River below White Clay Creek Conf | 43.3 | -102.8 | 859.9 | 5,991.6 |
| 101201090702 | CHE1 | Cheyenne River near Town of Red Shirt Table | 43.7 | -102.9 | 807.9 | 26,696.8 |
| 101201090704 | CHE2 | Cheyenne River below Red Shirt Table | 43.7 | -102.8 | 795.8 | 26,899.3 |
| 101402011703 | POR1 | Upper Porcupine Creek | 43.2 | -102.3 | 969.0 | 134.1 |
| 101402011704 | POR2 | Middle Porcupine Creek | 43.4 | -102.4 | 890.3 | 313.1 |
| 101402011705 | POR3 | Lower Porcupine Creek | 43.5 | -102.5 | 792.6 | 520.2 |
| 101402012003 | MER1 | Headwaters Medicine Root Creek | 43.3 | -102.1 | 947.1 | 40.6 |
| 101402012007 | MER3 | Middle Medicine Root Creek | 43.5 | -102.2 | 801.2 | 646.1 |
| 101402012008 | MER4 | Lower Medicine Root Creek | 43.6 | -102.2 | 777.9 | 717.8 |
| 101402012001 | NFL1 | Upper No Flesh Creek | 43.3 | -102.1 | 936.2 | 109.1 |
| 101402012203 | RED1 | Upper Redwater Creek | 43.5 | -102.1 | 838.0 | 105.2 |
| 101402012303 | WHR3 | Middle White River below Porcupine Creek Conf | 43.6 | -102.3 | 744.4 | 9,480.9 |
| 101402020604 | LOD1 | Lost Dog Creek | 43.6 | -102.0 | 815.9 | 17.1 |
| 101402020204 | POT1 | Middle Potato Creek | 43.6 | -102.0 | 783.7 | 208.7 |
| 101402020602 | WHR5 | Middle White River near Town of Interior | 43.7 | -101.9 | 699.7 | 10,726.3 |
| 101402020302 | BEA1 | Headwaters Bear-in-the-Lodge Creek | 43.3 | -101.8 | 947.4 | 127.1 |
| 101402020305 | BEA2 | Upper Bear-in-the-Lodge Creek | 43.3 | -101.7 | 895.1 | 227.4 |
| 101402020503 | BEA3 | Middle Bear-in-the-Lodge Creek | 43.6 | -102.0 | 828.0 | 673.2 |
| 101402020505 | BEL2 | Bear-in-the-Lodge Creek near White River | 43.7 | -101.8 | 691.8 | 1,220.6 |
| 101402020504 | BEL1 | Lower Bear-in-the-Lodge Creek | 43.5 | -101.8 | 773.9 | 984.6 |
| 101402020401 | COR1 | Upper Corn Creek | 43.4 | -101.9 | 852.6 | 111.5 |
| 101402020801 | CRA1 | Craven Creek | 43.6 | -101.7 | 785.0 | 41.0 |
| 101402020702 | EAN1 | Upper Eagle Nest Creek | 43.6 | -101.7 | 769.1 | 105.7 |
| 101402020703 | EAN2 | Lower Eagle Nest Creek | 43.7 | -101.8 | 679.9 | 201.3 |
| 101402020802 | LON1 | Long Creek | 43.6 | -101.6 | 796.4 | 19.4 |
| 101402020902 | PAS1 | Headwaters Pass Creek | 43.4 | -101.4 | 824.4 | 152.0 |
| 101402021104 | WHR4 | Lower White River near Belvidere | 43.8 | -101.3 | 612.7 | 14,217.0 |
| 101402020906 | PAS2 | Middle Pass Creek | 43.6 | -101.4 | 734.2 | 675.5 |
| 101402020907 | PAS3 | LowerPass Creek | 43.7 | -101.5 | 642.2 | 900.8 |
| 101402021004 | BUZ1 | Lower Buzzard Creek | 43.5 | -101.4 | 785.3 | 116.6 |
| 101402030201 | LWR1 | Upper Little White River | 43.1 | -102.0 | 996.3 | 475.2 |
| 101402030202 | LWR2 | Little White River near Town of Martin | 43.1 | -101.7 | 955.7 | 729.3 |
| 101402030304 | LWR4 | Little White River near Town of Vetal | 43.2 | -101.4 | 879.1 | 1,372.4 |
| 101402012004 | AMH1 | Upper American Horse Creek | 43.3 | -102.1 | 990.1 | 65.8 |
| 101402021201 | BLP1 | Headwaters Black Pipe Creek | 43.3 | -101.2 | 855.7 | 39.2 |

| order | Geologic age | Major geologic unit | Level IV ecoregion | Soil order | Major vegetation types |
| --- | --- | --- | --- | --- | --- |
| 1.000 | Cretaceous | Inyan Kara Group | Black Hills Foothills | Alfisols, Entisols | Ponderosa pine, Little bluestem, Western wheatgrass, Sideoats gramma |
| 2.000 | Cretaceous | Pierre Formation | Pierre Shale Plains | Mollisols | Little bluestem, Buffalograss |
| 3.000 | Tertiary | White River Group | White River Badlands | Aridisols, Entisols, Inceptisols | Sand sagebrush, Silver sagebrush, Western wheatgrass, Blue gramma, Sideoats grama, Buffalograss |
| 4.000 | Tertiary | Arikaree Group | Pine Ridge Escarpment | Entisols, Mollisols | Ponderosa pine, Eastern redcedar, Western snowberry, Skunkbush sumac, Chokecherry, Prairie rose, Little bluestem, Western wheatgrass, Green needlegrass, Prairie sandreed |
| 5.000 | Tertiary | Arikaree Group | Keya Paha Tablelands | Entisols, Mollisols | Blue grama, Sideoats grama, Western wheatgrass, Little bluestem, Needleandthread |
| 6.000 | Quaternary | Eolean deposits | Nebraska Sand Hills | Entisols | Sand bluestem, Little bluestem, Prairie sandreed, Big bluestem, Switchgrass |

|  |  |  |  |  |  | Gaged | | | Ungaged | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Indicator | Indicator type | Transformation | Description | Units | Base data | max | median | min | max | median | min |
| prcp\_mean | climate | x^2 | mean annual precipitation | millimeters | PRISM | 598.0 | 474.0 | 386.0 | 509.0 | 478.0 | 389.0 |
| t07\_mean | climate | x^2 | mean July temperature | Centigrade | PRISM | 23.6 | 22.9 | 18.7 | 23.7 | 23.2 | 21.9 |
| vpd\_07 | climate | x^2 | July maximum vapor pressure deficit | kilopascals | PRISM | 34.3 | 31.2 | 24.0 | 33.4 | 31.9 | 29.1 |
| vpd\_ann | climate | x^2 | annual maximum vapor pressure deficit | kilopascals | PRISM | 34.7 | 31.1 | 23.5 | 33.4 | 31.9 | 29.1 |
| perc\_cov | cover | ln(x) | catchment length to width ratio | meters per meter | feature geometry | 0.7 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 |
| cat\_out | elevation | sqrt(x) | catchment outlet elevation | meters | NED | 1,226.4 | 769.2 | 406.4 | 1,014.2 | 838.0 | 612.7 |
| cat\_rel | elevation | sqrt(x) | catchment relief | meters | NED | 1,648.3 | 626.5 | 143.6 | 1,389.6 | 267.8 | 95.3 |
| slop\_med | elevation | ln(x) | median catchment slope | percent | NED | 11.0 | 3.0 | 1.0 | 8.0 | 4.0 | 1.0 |
| TWI\_mean | elevation | x^2 | mean topographic wetness index value | dimensionless | NED | 10.2 | 9.0 | 8.0 | 10.2 | 8.7 | 8.0 |
| cat\_area | planimetric | 1/ln(x) | catchment area | hectares | USGS metadata & feature geometry | 55,565.9 | 1,451.7 | 126.9 | 26,899.3 | 520.2 | 17.1 |
| drain\_dens | planimetric | none | drainage density | km per square km | NED | 2.9 | 1.6 | 0.5 | 2.8 | 1.6 | 0.9 |
| lw\_ratio | planimetric | ln(x) | vertical saturated hydraulic conductivity | micrometers/sec | SSURGO | 4.4 | 2.1 | 0.7 | 4.2 | 1.9 | 0.8 |
| fc\_mean | soils | none | field capacity | meters per meter | SSURGO | 38.0 | 24.0 | 11.8 | 31.0 | 27.4 | 15.9 |
| ksat\_mean | soils | ln(x) | forested area (proportion of catchment) | sq. meters per sq. meter | NLCD | 101.8 | 17.1 | 4.8 | 53.2 | 16.4 | 7.0 |
| kvert\_mean | soils | ln(x) | horizontal saturated hydraulic conductivity | micrometers/sec | SSURGO | 78.2 | 13.9 | 3.7 | 48.7 | 13.2 | 6.0 |