

NE WYOMING RIVER BASIN, WY: SUMMARY OF POTENTIAL DAM AND RESERVOIR PROJECT LITERATURE

| PROJECT NAME / Water Source | REPORT TITLE/LEVEL/AUTHOR/DATE, RPT LOCATION T&R or Lat.Long./County and/or nearest Town | STORAGE/YIELD AF | ESTIMATED SHORTAGE AF | IRRIGATED ACRES | WATER USES (1) | FLAWS (3) | ESTIMATED CONSTRUCTION COST |
|---|---|---------------------|--------------------------|--------------------|-------------------|-----------|-----------------------------------|
| 1) Water Use Codes: A = Agriculture, M = Municipal, I = Industrial, R = Recreation, P = Power, F = Flood Protection 2) Work Level Completed: L 1 = Level 1/reconnaissance, L 2 = Level 2/concept designs, RP = report only 3) Flaws: A = Ag land, T&E = T&E species, AS = Archeological sites, WT = Wetlands, FL = Federal Land, IL = Indian Lands, WA = Wilderness Area, PI = Permitting Issues, UR = Urban/Residential uses, GF = Geology/Faults, S = Soils, B/C = Benefit/Cost, O = Other B = reservoir built or existing * = most current project document ~ = not available in document or unknown # = Document's map reservoir numbering system () = info not from report | | | | | | | |
| Revised Project List, Irrigation and Storage, State of Wyoming by Drainage Basins | | | | | | | |
| RP / WY St Planning Bd / 1937 / WWDO | | | | | | | |
| Caballo Scheme #1 Reservoir | ~ / near Moorcroft | 10,000 / ~ | ~ | ~ | A | ~ | \$1,500,000 |
| Caballo Scheme #2 Reservoir | ~ / near Moorcroft | 60,000 / ~ | ~ | ~ | A | ~ | \$3,300,000 |
| Caballo Reservoir | T 47-51 N, R 67-70 W / Weston | 58,790 / ~ | ~ | ~ | A | ~ | \$1,000,000 |
| Antelope Reservoir | Sec 1, T 49 N, R 73 W / Campbell | 1,649 / ~ | ~ | ~ | A | ~ | \$20,000 |
| Gillette Reservoir Enl. | Sec 22, T 50 N, R 72 W / Campbell | 3,248 / ~ | ~ | ~ | A | ~ | \$20,000 |
| Water Resources of Missouri River Basin in Wyoming (Belle Fourche) | | | | | | | |
| L 1 / WY SEO / 1939 / WWDO & St Library | | | | | | | |
| Antelope / Donkey Creek | Sec 1, T 49 N, R 73 W / Campbell | 1,649 / ~ | ~ | ~ | A | ~ | \$20,000 |
| Caballo / Belle Fourche | Sec 2, T 47 N, R 70 W / Campbell | 58,787 / ~ | ~ | ~ | A | ~ | \$1,011,210 |
| City Gillette Enl./Donkey&Stonepile | Sec 22, T 50 N, R 72 W / Campbell | 3,248 / ~ | ~ | ~ | M, A | ~ | \$20,000 |
| Livingston / Inyan Kara | Sec 8, 9, 16, T 49 N, R 62 W / Crook | 1,008 / ~ | ~ | ~ | A | ~ | \$37,260 |
| Shipwheel / Belle Fourche | Sec 31, T 49 N, R 68 W / Weston | 6,308 / ~ | ~ | ~ | A | ~ | \$212,000 |
| Proposed Arch Creek Reservoir, Crook County, Wyoming, WY | | | | | | | |
| L 2 / St Plan. Bd&WPA / 1939 / WWDO & St Library | | | | | | | |
| Arch Creek Reservoir | Sec 32, T 49 N, R 64 W / Crook | 361 / ~ | ~ | ~ | A | ~ | \$6,100 |
| Water Resources of the Missouri River Basin in Wyoming - Cheyenne River | | | | | | | |
| L 1 / SEO / 1939 / WWDO & St Library | | | | | | | |
| Storrie No 2 / Hot Creek | Sec 32, T 34 N, R 62 W / Niobrara | 870 / ~ | ~ | ~ | A | ~ | \$4,600 |
| # 77 / Lance Creek | Sec 19, T 34 N, R 65 W / Niobrara | 684 / ~ | ~ | ~ | A | ~ | \$8,300 |
| Witt No. 1 enl. / So Lightning Cr | Sec 21, T 35 N, R 70 W / Converse | 3,273 / ~ | ~ | ~ | A | ~ | \$12,000 |
| Lake Berry / Lodgepole Creek | Sec 31, T 42 N, R 64 W / Weston | 2,931 / ~ | ~ | ~ | A | ~ | \$10,000 |
| M&W / Stockade & Beaver Crs | Sec 18, T 42 N, R 60 W / Weston | 375 / ~ | ~ | ~ | A | ~ | \$15,000 |
| Wheepup / Wheepup | Sec 36, T 43 N, R 61 W / Weston | 1,736 / ~ | ~ | ~ | A | ~ | \$45,975 |
| Beryl / Beaver Creek | Sec 9, T 43 N, R 63 W / Weston | 885 / ~ | ~ | ~ | A | ~ | \$7,500 |
| Kledt / Mush Creek | Sec 23, T 44 N, R 63 W / Weston | 979 / ~ | ~ | ~ | A | ~ | \$25,000 |
| Stockade / Stockade & Beaver Cr | Sec 30, T 45 N, R 60 W / Weston | 822 / ~ | ~ | ~ | A | ~ | \$7,480 |
| Winniewfred / Fiddler Cr | Sec 10, T 45 N, R 64 W / Weston | 1,544 / ~ | ~ | ~ | A | ~ | \$5,000 |
| Nihsen / Fiddler Cr | Sec 11, T 45 N, R 64 W / Weston | 721 / ~ | ~ | ~ | A | ~ | \$11,000 |
| Ruth Lakes / Iron Cr | Sec 33, T 47 N, R 64 W / Weston | 2,913 / ~ | ~ | ~ | A | ~ | \$15,000 |
| Proposed Beaver Creek Reservoir, Weston County, Wyoming | | | | | | | |
| L 1 / St Planning Bd&WPA / 1939 / WWDO | | | | | | | |
| Beaver Creek Res | Sec 7, T 44 N, R 62 E & 63 W/Weston, n/Newcastle | 16,000 / ~ | ~ | ~ | A | ~ | \$152,799 |
| Proposed Black Thunder Creek Reservoir, Weston County, Wyoming | | | | | | | |
| L 2 / St Plan. Bd&WPA / 1939 / WWDO | | | | | | | |
| Black Thunder Creek Reservoir | Sec 2, T 42&43 N, R 67 W / Weston | 1,058 / 606 | ~ | ~ | A | B/C | \$34,997 |

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|--|---|---------------------|--------------------------|--------------------|-------------------|-----------|-----------------------------------|
| <u>Cheyenne River Basin Water Resource Study</u> | | | | | | | |
| <u>L 1 / WY Nat Res Bd / 1957 / WWDO & WRDS</u> | | | | | | | |
| Whoopup | Sec 31, T 43 N, R 60 W / Weston | 1,200 / ~ | ~ | ~ | A | ~ | ~ |
| Oil | Sec 4, T 45 N, R 62 W / Weston | 2,000 / ~ | ~ | ~ | A | ~ | ~ |
| Fiddler | Sec 11, T 45 N, R 62 W / Weston | 721 / ~ | ~ | ~ | A | ~ | ~ |
| Bridge | Sec 24, T 39 N, R 62 W / Niobrara | 200 / ~ | ~ | ~ | A | ~ | ~ |
| Young Woman | Sec 3, T 35 N, R 63 W / Niobrara | 1,497 / ~ | ~ | ~ | A | ~ | ~ |
| Dry Draw | Sec 25, T 38 N, R 63 W / Niobrara | 200 / ~ | ~ | ~ | A | ~ | ~ |
| Dry Draw | Sec 26, T 38 N, R 63 W / Niobrara | 100 / ~ | ~ | ~ | A | ~ | ~ |
| Smyth Draw | Sec 15, T 38 N, R 63 W / Niobrara | 40 / ~ | ~ | ~ | A | ~ | ~ |
| Cow | Sec 20, T 38 N, R 65 W / Niobrara | 1,000 / ~ | ~ | ~ | A | ~ | ~ |
| Cow | Sec 14, T 38 N, R 66 W / Niobrara | 1,000 / ~ | ~ | ~ | A | ~ | ~ |
| Middle Cedar | Sec 2, T 37 N, R 66 W / Niobrara | 100 / ~ | ~ | ~ | A | ~ | ~ |
| Rat | Sec 35, T 38 N, R 69 W / Converse | 50 / ~ | ~ | ~ | A | ~ | ~ |
| Middle | Sec 8, T 38 N, R 67 W / Converse | 100 / ~ | ~ | ~ | A | ~ | ~ |
| Wildcat No. 2 | Sec 2, T 36 N, R 65 W / Niobrara | 150 / ~ | ~ | ~ | A | ~ | ~ |
| Lodgepole | Sec 32, T 42 N, R 64 W / Weston | 450 / ~ | ~ | ~ | A | ~ | ~ |
| Wildcat | Sec 17, T 42 N, R 65 W / Weston | 200 / ~ | ~ | ~ | A | ~ | ~ |
| Black Thunder | Sec 2, T 42 N, R 67 W / Weston | 1,058 / ~ | ~ | ~ | A | ~ | ~ |
| Dry Draw | Sec 3, T 42 N, R 69 W / Campbell | 100 / ~ | ~ | ~ | A | ~ | ~ |
| Dry Draw | Sec 22, T 43 N, R 69 W / Campbell | 100 / ~ | ~ | ~ | A | ~ | ~ |
| Burning Coal Bank Draw | Sec 14, T 43 N, R 70 W / Campbell | 100 / ~ | ~ | ~ | A | ~ | ~ |
| Dry Draw | Sec 36, T 41 N, R 68 W / Converse | 200 / ~ | ~ | ~ | A | ~ | ~ |
| Dry Lake | Sec 11, T 41 N, R 68 W / Weston | 15,000 / ~ | ~ | ~ | A | ~ | ~ |
| Wildcat | Sec 35, T 41 N, R 69 W / Converse | 100 / ~ | ~ | ~ | A | ~ | ~ |
| Antelope | Sec 31, T 41 N, R 70 W / Converse | 8,000 / ~ | ~ | ~ | A | ~ | ~ |
| Wind | Sec 10, T 40 N, R 75 W / Converse | 135 / ~ | ~ | ~ | A | ~ | ~ |
| Bear | Sec 15, T 38 N, R 74 W / Converse | 350 / ~ | ~ | ~ | A | ~ | ~ |
| Dry Fork | Sec 17, T 37 N, R 75 W / Converse | 200 / ~ | ~ | ~ | A | ~ | ~ |
| Draw / Dry Fork | Sec 33, T 37 N, R 75 W / Converse | 200 / ~ | ~ | ~ | A | ~ | ~ |
| <u>Report on New Castle Unit, Wyoming</u> | | | | | | | |
| <u>L 1 / USBR / 1961 / WWDO & St Library</u> | | | | | | | |
| Oil Creek Dam | Sec 15, T 46 N, R 62 W / Weston | 3,300 / ~ | ~ | 2,850 | A | B/C | \$1,932,000 |
| <u>Stockade Beaver Creek Reservoir</u> | | | | | | | |
| <u>L 1 / Bearlodge&WWDC / 1986 / WWDO& St Library</u> | | | | | | | |
| StockadeBeaver Cr (# Site 1) | Sec 4, T 47 N, R 60 W / Weston | 208 / ~ | ~ | ~ | R | ~ | \$2,151,997 |
| StockadeBeaver Cr (# Site 2) | Sec 4, T 47 N, R 60 W / Weston | 520 / ~ | ~ | ~ | R | ~ | \$3,999,652 |
| <u>Beaver Creek Dam and Reservoir Project, Level II, Final Report</u> | | | | | | | |
| <u>L II / Bearlodge&WWDC / 1991 / WWDO & St Library</u> | | | | | | | |
| Beaver Creek Dam | Sec 33,34, T 45 N, R 63 W / Weston | 7,775 / ~ | ~ | ~ | R | B/C | \$7,300,000 |
| <u>Crook County Reservoir Project</u> | | | | | | | |
| <u>Level 1 / WWDC&ESA / 1999 / WWDO&St Library</u> | | | | | | | |
| Crook County Res Alt 2 / Lytle Cr | ~ (Sec 15&16, T 53 N, R 65 W) Crook | 100 / ~ | ~ | 1,341 | A, R | AS | \$375,400 |
| Crook County Res Alt 3 / Lytle Cr | ~ (Sec 15&16, T 53 N, R 65 W) Crook | 1,000 / ~ | ~ | 1,341 | A, R | AS | \$8,929,100 |
| Crook County Res Alt 4 / Lytle Cr | ~ (Sec 15&16, T 53 N, R 65 W) Crook | 2,800 / ~ | ~ | 1,341 | A, R | AS | \$14,401,600 |
| <u>Northeast Wyoming River Basins Plan</u> | | | | | | | |
| <u>RP / WWDC / 2002 / WWDO & St Library</u> | | | | | | | |
| Inyan Kara Creek Res | ~ / Crook | 1,000 / ~ | ~ | ~ | A,M,R | ~ | ~ |
| Driskill No. 1 Res Enl. | ~ / Crook | 2,800 / ~ | ~ | ~ | A,M,R | ~ | ~ |
| Miller Creek Res | ~ / Crook | 1,000 / ~ | ~ | ~ | A,M,R | ~ | ~ |
| Lytle Creek Res | ~ / Crook | 1,000 / ~ | ~ | ~ | A,M,R | ~ | ~ |

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| Blacktail Creek Res | ~ / Crook | 1,000 / ~ | ~ | ~ | A,M,R | ~ | ~ |
| Beaver Creek Res | ~ / Crook | 1,000 / ~ | ~ | ~ | A,M,R | ~ | ~ |
| Livingston Creek Res | ~ / Weston | 955 / ~ | ~ | ~ | A,M,R | ~ | ~ |
| Beaver Creek Res (north) | ~ / Weston | 7,775 / ~ | ~ | ~ | A,M,R | ~ | ~ |
| Stockade Beaver Creek Res | ~ / Weston | 6,100 / ~ | ~ | ~ | A,M,R | ~ | ~ |
| Beaver Creek Res (south) | ~ / Weston | ~ / 15,000 | ~ | ~ | A,M,R | ~ | ~ |
| <u>Crook County Reservoirs and Water Management Study</u> | | | | | | | |
| <u>L 1 / WWDC & S.E.H. / 2006 / WWDO & St Library</u> | | | | | | | |
| Blacktail Creek | Sec 30, T 54 N, R 64 W / Crook | 2,800 / ~ | 661 | ~ | A, R | ~ | \$17,100,000 |
| Lytle Cr | Sec 16, T 53 N, R 65 W / Crook | 1,000 / ~ | 661 | ~ | A, R | ~ | \$11,900,000 |
| Oak Cr | Sec 18, T 55 N, R 60 W / Crook | 3100 / ~ | 182 | ~ | A, R | ~ | \$18,200,000 |
| Pine Cr | Sec 4, T 55 N, R 61 W / Crook | 1,900 / ~ | 661 | ~ | A, R | ~ | \$7,500,000 |
| Miller Cr | Sec 8, T 52 N, R 65 W / Crook | 500 / ~ | 1,236 | ~ | A, R | ~ | \$6,400,000 |
| Lower Inyan Kara Cr | Sec 6, T 51 N, R 65 W / Crook | 12,66 / ~ | 1,236 | ~ | A, R | ~ | \$29,300,000 |
| Upper Inyan Kara Cr | Sec 11, T 50 N, R 65 W / Crook | 6,400 / ~ | 1,236 | ~ | A, R | ~ | \$16,400,000 |
| Redwater Cr | Sec 21, T 53 N, R 60 W / Crook | 16,800 / ~ | 1,675 | ~ | A, R | ~ | \$31,800,000 |