

7.16 SUMMARY OF IMPACTS OF ALTERNATIVES SELECTED FOR DETAILED ANALYSIS TO NATIVE AMERICAN TRIBES

The individual sections of this chapter discuss the impacts to the various environmental resources and economic uses analyzed for the Study on the 13 Tribal Reservations along the Mainstem Reservoir System and Lower River (see Figure 1.5-1 for locations). In the introduction to Chapter 7, readers were encouraged to consider the relative effects among the alternatives, not the absolute values presented for the various resources or uses. This section of Chapter 7 synopsizes the impacts into 12 tables, one for each Reservation except for Iowa and Sac and Fox Reservations, for which impacts are addressed on a single table. (Individual tables would be identical for each Reservation.)

Tables 7.16-1 to 7.16-12 present the summary of impacts for the 13 Tribes. The numbering of the tables corresponds with the order of the Reservation locations going from upstream to downstream. The order of the listing of the environmental resources and economic uses corresponds with the order they are presented in this chapter to make it easier to refer back to the individual sections for more information on an individual resource or use.

Individual numbers for each use/resource in the tables are computed by taking the value for each alternative, subtracting the CWCP value for that specific use or resource for that Reservation from it,

and dividing the difference by the CWCP value and then multiplying by 100 to get the percent change from the CWCP value. If a specific alternative increases the value from the CWCP, the percent change presented in the table is positive. If the value decreases relative to the CWCP, the percent change is negative. The reader is asked to focus attention on the “significant” changes. Significant positive changes are those greater than a +1 percent and are shaded a light gray. Significant negative changes are greater than -1 percent and are shaded black with white lettering. A change of +1 represents changes up to 1.49 percent more than, or 101.49 percent of, the CWCP value due to rounding. Similarly, a -1 represents a change up to 1.49 percent less than, or 98.51 percent of, the CWCP value.

Caution must be used when focusing on the shaded percent changes because a resource may have a special meaning to those on one or more of the Reservations, and an “insignificant” change (+1, 0, or -1 in the tables) may be an important change to those on that Reservation. If one of the resources or uses falls into that category for those associated with that Reservation, those individuals are encouraged to note whether the change is slightly positive (+1), no change (0), or slightly negative (-1). A double dash (--) indicates that data were not available for that resource or use for that Reservation or that resource or use is not applicable to the reach in which that Reservation is located. Readers are encouraged to review the table/s of interest and to make their own “value” judgements.

Table 7.16-1. Fort Peck Reservation impacts summary.

	Percent Change From CWCP				
	MCP	GP1528	GP2021	GP1521	GP2028
Wetland Habitat	3	-14	-14	-8	-7
Riparian Habitat	0	0	0	0	0
Tern and Plover Habitat	61	-43	-30	-28	-46
Reservoir Young Fish Production	--	--	--	--	--
Reservoir Coldwater Fish Habitat	--	--	--	--	--
River Coldwater Fish Habitat	1	8	8	8	9
River Warmwater Fish Habitat	-8	-17	-17	-17	-19
Native River Fish Physical Habitat	1	2	2	2	2
Flood Control	0	-2	-2	-2	-2
Water Supply	0	14	14	14	14
Hydropower	--	--	--	--	--
Recreation	0	8	9	8	8
Navigation	--	--	--	--	--
Historic Properties	--	--	--	--	--

Light gray shading denotes a beneficial impact when compared to the CWCP.

Black shading denotes an adverse impact when compared to the CWCP.

-- denotes not available or not applicable.

7

EFFECTS OF ALTERNATIVES SELECTED FOR DETAILED ANALYSIS**Table 7.16-2.** Fort Berthold Reservation impacts summary.

	Percent Change From CWCP				
	MCP	GP1528	GP2021	GP1521	GP2028
Wetland Habitat	--	--	--	--	--
Riparian Habitat	--	--	--	--	--
Tern and Plover Habitat	--	--	--	--	--
Reservoir Young Fish Production	0	13	15	15	15
Reservoir Coldwater Fish Habitat	-2	10	10	9	10
River Coldwater Fish Habitat	--	--	--	--	--
River Warmwater Fish Habitat	--	--	--	--	--
Native River Fish Physical Habitat	--	--	--	--	--
Flood Control	-33	-67	-67	-67	-67
Water Supply	6	9	1	1	9
Hydropower	--	--	--	--	--
Recreation	14	12	9	9	14
Navigation	--	--	--	--	--
Historic Properties	-4	-8	-8	-8	-9

Light gray shading denotes a beneficial impact when compared to the CWCP.

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Table 7.16-3. Standing Rock Reservation impacts summary.

	Percent Change From CWCP				
	MCP	GP1528	GP2021	GP1521	GP2028
Wetland Habitat	-10	-62	2	-40	-59
Riparian Habitat	2	5	-9	-14	1
Tern and Plover Habitat	--	--	--	--	--
Reservoir Young Fish Production	2	-3	0	2	2
Reservoir Coldwater Fish Habitat	6	8	10	10	7
River Coldwater Fish Habitat	--	--	--	--	--
River Warmwater Fish Habitat	--	--	--	--	--
Native River Fish Physical Habitat	--	--	--	--	--
Flood Control	-20	-20	-40	-40	-20
Water Supply	9	10	10	10	10
Hydropower	--	--	--	--	--
Recreation	7	12	7	7	12
Navigation	--	--	--	--	--
Historic Properties	-2	-5	-4	-4	-4

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EFFECTS OF ALTERNATIVES SELECTED FOR DETAILED ANALYSIS

7

Table 7.16-4. Cheyenne River Reservation impacts summary.

	Percent Change From CWCP				
	MCP	GP1528	GP2021	GP1521	GP2028
Wetland Habitat	-19	-9	-14	7	-7
Riparian Habitat	-11	-33	-22	-28	-28
Tern and Plover Habitat	--	--	--	--	--
Reservoir Young Fish Production	2	-3	0	2	2
Reservoir Coldwater Fish Habitat	6	8	10	10	7
River Coldwater Fish Habitat	--	--	--	--	--
River Warmwater Fish Habitat	--	--	--	--	--
Native River Fish Physical Habitat	--	--	--	--	--
Flood Control	-20	-40	-40	-60	-40
Water Supply	13	0	0	0	0
Hydropower	--	--	--	--	--
Recreation	0	0	0	0	0
Navigation	--	--	--	--	--
Historic Properties	-2	-5	-4	-4	-4

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Table 7.16-5. Lower Brule Reservation impacts summary.

	Percent Change From CWCP				
	MCP	GP1528	GP2021	GP1521	GP2028
Wetland Habitat	--	--	--	--	--
Riparian Habitat	--	--	--	--	--
Tern and Plover Habitat	--	--	--	--	--
Reservoir Young Fish Production	-2	12	12	12	9
Reservoir Coldwater Fish Habitat	--	--	--	--	--
River Coldwater Fish Habitat	--	--	--	--	--
River Warmwater Fish Habitat	--	--	--	--	--
Native River Fish Physical Habitat	--	--	--	--	--
Flood Control	0	0	0	0	0
Water Supply	0	0	0	0	0
Hydropower	--	--	--	--	--
Recreation	0	0	0	0	0
Navigation	--	--	--	--	--
Historic Properties	0	0	0	0	0

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7

EFFECTS OF ALTERNATIVES SELECTED FOR DETAILED ANALYSIS**Table 7.16-6.** Crow Creek Reservation impacts summary.

	Percent Change From CWCP				
	MCP	GP1528	GP2021	GP1521	GP2028
Wetland Habitat	--	--	--	--	--
Riparian Habitat	--	--	--	--	--
Tern and Plover Habitat	--	--	--	--	--
Reservoir Young Fish Production	-2	12	12	12	9
Reservoir Coldwater Fish Habitat	--	--	--	--	--
River Coldwater Fish Habitat	--	--	--	--	--
River Warmwater Fish Habitat	--	--	--	--	--
Native River Fish Physical Habitat	--	--	--	--	--
Flood Control	0	0	0	0	0
Water Supply	1	1	1	1	1
Hydropower	--	--	--	--	--
Recreation	0	0	0	0	0
Navigation	--	--	--	--	--
Historic Properties	0	0	0	0	0

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Table 7.16-7. Yankton Reservation impacts summary.

	Percent Change From CWCP				
	MCP	GP1528	GP2021	GP1521	GP2028
Wetland Habitat	1	5	5	3	6
Riparian Habitat	-2	-4	-4	-1	-5
Tern and Plover Habitat	18	60	98	103	63
Reservoir Young Fish Production	0	28	32	23	22
Reservoir Coldwater Fish Habitat	--	--	--	--	--
River Coldwater Fish Habitat	--	--	--	--	--
River Warmwater Fish Habitat	-9	-16	-22	-22	-17
Native River Fish Physical Habitat	-1	0	-1	-1	0
Flood Control	0	0	0	0	0
Water Supply	0	0	0	0	0
Hydropower	--	--	--	--	--
Recreation	-1	-1	-2	-2	-2
Navigation	--	--	--	--	--
Historic Properties	--	--	--	--	--

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EFFECTS OF ALTERNATIVES SELECTED FOR DETAILED ANALYSIS

7

Table 7.16-8. Ponca Tribal Lands impacts summary.

	Percent Change From CWCP				
	MCP	GP1528	GP2021	GP1521	GP2028
Wetland Habitat	-1	0	-6	-6	0
Riparian Habitat	-5	-2	5	5	-2
Tern and Plover Habitat	18	60	98	103	63
Reservoir Young Fish Production	--	--	--	--	--
Reservoir Coldwater Fish Habitat	--	--	--	--	--
River Coldwater Fish Habitat	--	--	--	--	--
River Warmwater Fish Habitat	-9	-16	-22	-22	-17
Native River Fish Physical Habitat	-1	0	-1	-1	0
Flood Control	0	0	0	0	0
Water Supply	--	--	--	--	--
Hydropower	--	--	--	--	--
Recreation	-1	-1	-2	-2	-2
Navigation	--	--	--	--	--
Historic Properties	--	--	--	--	--

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Table 7.16-9. Santee Reservation impacts summary.

	Percent Change From CWCP				
	MCP	GP1528	GP2021	GP1521	GP2028
Wetland Habitat	-1	0	-6	-6	0
Riparian Habitat	-5	-2	5	5	-2
Tern and Plover Habitat	18	60	98	103	63
Reservoir Young Fish Production	13	25	25	19	19
Reservoir Coldwater Fish Habitat	--	--	--	--	--
River Coldwater Fish Habitat	--	--	--	--	--
River Warmwater Fish Habitat	--	--	--	--	--
Native River Fish Physical Habitat	--	--	--	--	--
Flood Control	0	0	0	0	0
Water Supply	0	0	0	0	0
Hydropower	--	--	--	--	--
Recreation	0	0	0	0	0
Navigation	--	--	--	--	--
Historic Properties	--	--	--	--	--

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Table 7.16-10. Winnebago Reservation impacts summary.

	Percent Change From CWCP				
	MCP	GP1528	GP2021	GP1521	GP2028
Wetland Habitat	3	-2	-3	0	-2
Riparian Habitat	0	-2	-7	-3	-6
Tern and Plover Habitat	--	--	--	--	--
Reservoir Young Fish Production	--	--	--	--	--
Reservoir Coldwater Fish Habitat	--	--	--	--	--
River Coldwater Fish Habitat	--	--	--	--	--
River Warmwater Fish Habitat	--	--	--	--	--
Native River Fish Physical Habitat	0	0	-1	-1	0
Flood Control	0	-1	0	-1	-1
Water Supply	0	0	0	0	0
Hydropower	--	--	--	--	--
Recreation	-1	-2	-5	-4	-2
Navigation	--	--	--	--	--
Historic Properties	--	--	--	--	--

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Table 7.16-11. Omaha Reservation impacts summary.

	Percent Change From CWCP				
	MCP	GP1528	GP2021	GP1521	GP2028
Wetland Habitat	3	-2	-3	0	-2
Riparian Habitat	0	-2	-7	-3	-6
Tern and Plover Habitat	--	--	--	--	--
Reservoir Young Fish Production	--	--	--	--	--
Reservoir Coldwater Fish Habitat	--	--	--	--	--
River Coldwater Fish Habitat	--	--	--	--	--
River Warmwater Fish Habitat	--	--	--	--	--
Native River Fish Physical Habitat	0	0	-1	-1	0
Flood Control	0	-1	0	-1	-1
Water Supply	0	0	0	0	0
Hydropower	--	--	--	--	--
Recreation	-1	-2	-5	-4	-2
Navigation	--	--	--	--	--
Historic Properties	--	--	--	--	--

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7

Table 7.16-12. Iowa and Sac and Fox Reservations impacts summary.

	Percent Change From CWCP				
	MCP	GP1528	GP2021	GP1521	GP2028
Wetland Habitat	2	7	4	6	7
Riparian Habitat	-1	-4	-3	-3	-4
Tern and Plover Habitat	--	--	--	--	--
Reservoir Young Fish Production	--	--	--	--	--
Reservoir Coldwater Fish Habitat	--	--	--	--	--
River Coldwater Fish Habitat	--	--	--	--	--
River Warmwater Fish Habitat	--	--	--	--	--
Native River Fish Physical Habitat	1	3	3	3	3
Flood Control	0	0	0	0	0
Water Supply	--	--	--	--	--
Hydropower	--	--	--	--	--
Recreation	0	-1	-2	-2	-1
Navigation	--	--	--	--	--
Historic Properties	--	--	--	--	--

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