

APPENDIX III

LIST OF TRIBAL WATERS

As set forth in EPA's proposed and final Findings of Fact documents, the Northern Cheyenne Indian Reservation contains two major drainages: the Tongue River drainage on the east and the Rosebud Creek drainage on the west. There are many perennial, intermittent and ephemeral streams on the Reservation that are tributaries to these two main water bodies. Attached to the Tribe's application is a map showing the extensive nature of the tributaries and the Rosebud Creek and Tongue River watersheds throughout the Reservation. A small portion of the Sarpy Creek drainage is located in the northwest corner of the Reservation, flowing north.

The general topography of the region is varied with long narrow ridges, extensive hillsides and generally narrow flood plains. The Reservation is within the unglaciated portion of the Missouri Plateau of the Northern Great Plains Province. The central portion of the Reservation is an upland plateau, which rises 800 to 1000 feet above the surrounding terrain, and is underlain by relatively flat-lying beds of the Fort Union Formation. This upland plateau has been deeply dissected by the Tongue River, Rosebud Creek and their tributaries.

The Tongue River is the primary water source for the eastern portion of the Reservation. The headwaters of the Tongue River are located in the Bighorn Mountains of Wyoming. The River flows north into Montana for approximately 265 miles eventually flowing into the Yellowstone River near Miles City, Montana and ultimately into the Missouri River. Major tributaries to the Tongue River located on the Reservation include Logging Creek and Cook Creek. Flow from these tributaries into the Tongue River is seasonal. Other on-Reservation tributaries to the Tongue River include Tie Creek, Pawnee Creek, Kelty Creek, Stebbins Creek and Reservation Creek. The area drained by these creeks is generally east sloping towards the Tongue River and opposite the Rosebud Creek drainage to the west. Logging Creek is supported by both surface water runoff and groundwater discharge. Tie Creek contributes flow directly to the Tongue River, draining an area entirely within the boundaries of the Reservation. Logging, Pawnee and Kelty Creeks collectively drain an area of about 95 square miles entirely within the Reservation and flow into the Tongue River. Stebbins and Reservation Creeks have a combined watershed area of about 50 square miles which is within the Reservation boundaries and flows into the Tongue River.

Rosebud Creek serves as the primary water source for the western side of the Reservation where some of the best lands for irrigation are located. The headwaters for Rosebud Creek are located on the Crow Indian Reservation, to the west of the Northern Cheyenne Indian Reservation. Rosebud Creek flows easterly off the Crow Indian Reservation, turns north onto the Northern Cheyenne Indian Reservation, then continues north, emptying into the Yellowstone River east of Forsyth. Rosebud Creek drains the western part of the Reservation and receives flow from surface water runoff and groundwater input, mostly from within the Reservation.

The Rosebud Creek watershed area at the southern boundary of the Reservation is slightly over 100 square miles and about 640 square miles at the northern boundary of the Reservation, a distance of about 30 miles. The watershed receives about 15 inches of average annual precipitation and produces average annual flows of 6,850 acre-feet at the northern boundary and 25,000 acre-feet at the southern boundary of the Reservation.

Two major tributaries to Rosebud Creek include Lame Deer Creek and Muddy Creek, which flow throughout most of the year. At its confluence with Rosebud Creek, Muddy Creek has a watershed area of about 103 square miles. Lame Deer Creek produces a flow of about 5,620 acre-feet per year from a watershed area of about 82 square miles. There are a number of other tributaries to Rosebud Creek whose watersheds are either wholly or partially within the Reservation, including Trail Creek, Upper Dry Creek, Skunk Creek, Corral Creek, Greenleaf Creek, Ryegrass Creek, Indian Coulee and Black Spring Coulee. Ryegrass Creek, Greenleaf Creek and its tributary Miller Creek collectively drain about 33 square miles of land before exiting the Reservation and discharging to Rosebud Creek off the Reservation. Similarly, Black Spring Coulee and Lynch Coulee have watersheds totaling about 28 square miles, with a significant portion of those watersheds draining Reservation lands.

The Northern Cheyenne Tribe's *Surface Water Quality Standards* note that surface waters include perennial, intermittent and ephemeral rivers, streams, lakes, ponds, reservoirs, springs, wetlands and irrigation and drainage systems discharging to surface waters. [Treatment works used solely for treating, transporting or impounding pollutants are not considered surface waters.] In its water quality standards, the Tribe has assigned designated uses and criteria to those portions of the following waterbodies and their tributaries that are wholly or partially within the boundaries of the Reservation. These waters are listed here to provide a more complete inventory of the water resources on the Reservation.

Rosebud Creek	Black Whiteman Creek
Dry Creek	Porcupine Creek
Spring Gulch	Little Hawk Creek
Sheep Gulch	Butte Creek
Corral Creek	North Fork Butte Creek
Skunk Creek	David Creek
Pine Creek	Wood Gulch
Trail Creek	Indian Coulee
Wolf Creek	Waterhole Creek
Thompson Creek	South Fork Indian Coulee
Dog Creek	Williams Prong
Davis Creek	North Fork Indian Coulee
Eagle Feathers Creek	Two Moons Creek
Busby Creek	Killsnight Creek
East Fork Busby Creek	Ridgewalker Creek
South Fork Busby Creek	Little Chief Creek

Ash Creek
Deafy Creek
Teeth Creek
Dry Fork
Parker Creek
Kelly Creek
Miller Creek
Muddy Creek
Wilfred Creek
Juddy Creek
Black Canyon Creek
East Fork Muddy Creek
Red Shale Creek
Paddy Creek
West Fork Muddy Creek
Slocum Creek
Medicine Elk Creek
Shavedhead Creek
Bear Creek
Hardrobe Creek
Yellowfox Creek
Soldier Gulch
Sweet Medicine Creek
South Fork Lane Deer Creek
East Fork Lane Deer Creek
Horn Creek
Tongue River
Logging Creek
Bull Creek
South Fork Bull Creek
North Fork Bull Creek
St. John's Fork
Birney Creek
Long Roach Creek
Pawnee Creek
Hollowood Creek
Woenthigh Creek
Little Coyote Coulee
Walking Horse Creek
South Fork Stebbins Creek
Cow Creek
Burning Creek

Black Spring Coulee
Lynch Coulee
Caswell Coulee
Ryegrass Creek
West Fork Ryegrass Creek
Greenleaf Creek
Hollowbreast Creek
Whitedirt Creek
Spang Creek
Coal Creek
Powell Creek
Upper Spang Creek
Longjaw Creek
Wild Hog Creek
Cow Creek
Spring Creek
Bee Creek
Horse Creek
Brady Creek
Lame Deer Creek
Alderson Creek
Spottedelk Creek
Calls First Gulch
White Buffalo Creek
Broken Jaw Creek
Standing Elk Creek
Cook Creek
Prairie Dog Creek
Coyote Creek
Middle Fork Bull Creek
Black Eagle Creek
Mission Creek
Tie Creek
Clubfoot Creek
Kelty Creek
Parker Creek
Crazyhead Creek
Walking Horse Coulee
Stebbins Creek
Lake Creek
Reservation Creek
Lay Creek

Crazyhead Springs
Crazyhead Pond #2
Crazyhead Pond #4
Upper S. Fork Logging Creek Spring #2
Patrick Springs
South Fork Stebbins Creek Spring #1
Cow Creek Spring
Middle Pawnee Creek Spring
Station Spring
Elliot Spring
Black Eagle Spring
Rondeau Spring
St. John's Spring
Cook Creek Spring #2
Middle Fork Bull Creek Spring #2
South Fork Bull Creek Spring #2
Coyote Creek Spring #2
Parker Creek Spring
Indian Coulee Spring
Ridge Walker Creek Spring
Bear Creek Spring
Dog Creek Spring
Hard Robe Creek Spring #2
Muddy Creek Spring #1
Killsnight Spring
Muddy Creek Spring #4
Paddy Creek Spring
South Fork Lame Deer Creek Spring
Alderson Creek Spring
Wood Spring
Greenleaf Creek Spring
Ash Creek Spring #2

Crazyhead Pond #1
Crazyhead Pond #3
Upper S. Fork Logging Creek Spring #1
White Horse Spring
Woodenthigh Spring
North Fork Stebbins Creek Spring #1
Upper Pawnee Creek Spring
Lower Pawnee Creek Spring
Hollowbreast Spring
Mission Creek Spring
Canyon Spring
B. Heart Spring
Cook Creek Spring #1
Middle Fork Bull Creek Spring #1
South Fork Bull Creek Spring #1
Coyote Creek Spring #1
Pine Creek Spring
Killsnight Creek Spring
Black Springs
Muddy Spring
Birdseye Spring
Hard Robe Creek Spring #1
Hard Robe Spring
Muddy Creek Spring #2
Muddy Creek Spring #3
Muddy Creek Spring #5
Sweet Medicine Gulch Spring
Broken Jaw Spring
Barbwood Spring
Diamond R Spring
Ash Creek Spring #1
Hollowbreast Creek Spring