

WYOMING WATER ASSESSMENT AND PROTECTION PROGRAM (SWAP)



SOURCE WATER ASSESSMENT PROGRAM EXECUTIVE SUMMARY

Source Water Assessment Prepared For:
Ashley NF Buckboard Crsg CG

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SOURCE WATER ASSESSMENT SUMMARY FOR Ashley NF Buckboard Crsg CG

PWS Source Water Assessment Summary

The Ashley National Forest Buckboard Crossing Water System is classified as a non-community surface water supply. The Buckboard Crossing Campground is located in Wyoming on the west side of Flaming Gorge Reservoir, approximately 20 miles south of Green River. This water treatment facility provides potable water to a recreational population averaging 62 per day during the season, with a resident population of 6, year round. Water use is predominantly seasonal (May 15 to October 15) through the 9 service connections.

Source water for this facility is the Flaming Gorge Reservoir which is fed by the Green River. The intake of the water system is located approximately 20 feet below the surface where the water depth is about 50 feet. A package treatment unit with disinfection is employed to comply with requirements of the SWTR. An elevated 150,000 gallon storage tank provides the distribution system pressure and completes the water facility.

In general, the Ashley NF Buckboard Crossing CG water sources rated low for land use source susceptibility. However, the point and line source susceptibility ratings were high due to the presence of a sewage pond and several pipelines that traverse the area.

Delineation Methods

The Ashley National Forest Buckboard Crossing Campground water system is a non-community surface water system that receives its entire supply from a surface water source. For that reason, Lidstone delineated the source water area using surface water methods.

Surface Water Sources

The campground obtains all of its water from its intake on Flaming Gorge Reservoir. The diversion structure consists of multiple intakes. Floatable intakes are located 15 to 20 feet below the surface where the water depth is 45 to 50 feet. Additional information on this source is included on the enclosed Surface Water Information Sheet.

As shown on the enclosed delineation maps, the source water area includes the drainage basin of Flaming Gorge Reservoir. Zone 2 consists of Flaming Gorge Reservoir and terminates at the Stateline, in accordance with the delineation procedures set forth in DEQ's SWAP guidance document. Zone 3 includes the remaining watershed upstream from the intake, but also terminates at the Stateline for the same reason.

Integrity Summary

The Ashley National Forest Buckboard Crossing Campground obtains its source water from Flaming Gorge Reservoir. The intake was constructed prior to 1983, when less stringent construction standards were required by the State of Wyoming. Records also indicate that access to the area around the intake is restricted, and that the intake is screened to protect against the infiltration of potential contaminants. As shown on the Integrity Summary Table, the campground's intake received an integrity score of 5. The score primarily is due to the fact that the well was completed before 1983, and that the surface water intake is not inspected regularly.

Water Source Sensitivity Summary

As shown on the Source Sensitivity Summary Table, the intake received a sensitivity score of 5. The source received this score because surface water is known to be vulnerable to various types of contamination.

Water System Susceptibility Rating

Susceptibility is defined as the potential for a public water supply to draw water contaminated at concentrations that would pose a threat or concern to human health. In general, Ashley NF Buckboard Crossing CG scores low for land use susceptibility because of the rural location of the sources. The presence of a sewage disposal pond in Zone 2 resulted in a high point source contaminant susceptibility. The intake was also assigned a high transportation corridor susceptibility because several pipelines traverse Zone 2. Susceptibility ratings for each type of potential contaminant source are summarized on the attached susceptibility tables.

**POINT SUSCEPTIBILITY SUMMARY TABLE
FOR Ashley NF Buckboard Crsg CG
Point Source Susceptibility Summary**

It may appear from the results of this point source susceptibility summary table that your system has too many PSOCs influencing the final ratings. In some cases, a specific PSOC falls within a specific contaminant inventory zone shared by multiple wells or intakes. When this is the case, that PSOC will be scored for each intake. For example, an underground storage tank may appear within a contaminant inventory zone shared by four different wells. This would cause that single storage tank to be entered into the table four times, or once for each well or intake.

Point Source Type	Low	Medium	High
Wastewater Discharge	N/A	N/A	1

- * Illustrates the number of PSOCs in a particular rating class for all water sources
- * N/A - Not Applicable