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Table 6.0-1 Summary of Environmental Consequences

6.0 SUMMARY OF ENVIRONMENTAL CONSEQUENCES

[Table 6.0-1](#) presents the Summary of Environmental Consequences by topic (e.g., Land Use), in the same order as topics are presented in **Sections 3** and **4** of this report.

For each topic, the anticipated impacts during construction and operation of the Project are summarized, based on the Project operation plans outlined in **Section 1** of this report, and described in more detail in **Section 3** of the Technical Report for this project. Monitoring programs are also summarized, based on the programs described in **Section 4** of this report, and described in more detail in **Sections 3 and 5** of the Technical Report. Mitigation plans are summarized from the groundwater restoration and surface reclamation requirements outlined in **Section 1** of this Environmental Report and described in more detail in **Section 6** of the Technical Report.

In general, there are few unavoidable long-term environmental consequences; primarily because of existing federal and state requirements on groundwater restoration and surface reclamation, which have been in place for a number of years. The primary consequences are the changes in the groundwater conditions of the ore zones that are produced, including the oxidation/reduction conditions and the water levels. However, because adequate characterization of the ore zones is essential for efficient operations and best ore recovery and because of requirements for groundwater restoration, the changes in water quality are mitigated to a considerable extent. Assessment of existing and reasonably foreseeable water uses, evaluation of drawdown and recharge rates, and efficient production and restoration provide opportunities to mitigate any adverse impacts from water level changes. In addition, ISR operations continue to improve the understanding of the processes and impacts of ISR. In many instances, such as the Project, the groundwater monitoring data collected during the operation, provides the only information on the depth(s) and extent of uranium ore zones, their natural impact on water quality, and the water resources of the area.

[Table 6.0-1](#) addresses all of the alternatives described in **Section 2** of this report. Because the consequences from the Preferred Alternative and the Other Alternatives are essentially the same, the table is divided into only two columns. The first column includes information related to all of the alternatives other than the No-Action Alternative; and the second column includes information related to the No-Action Alternative.