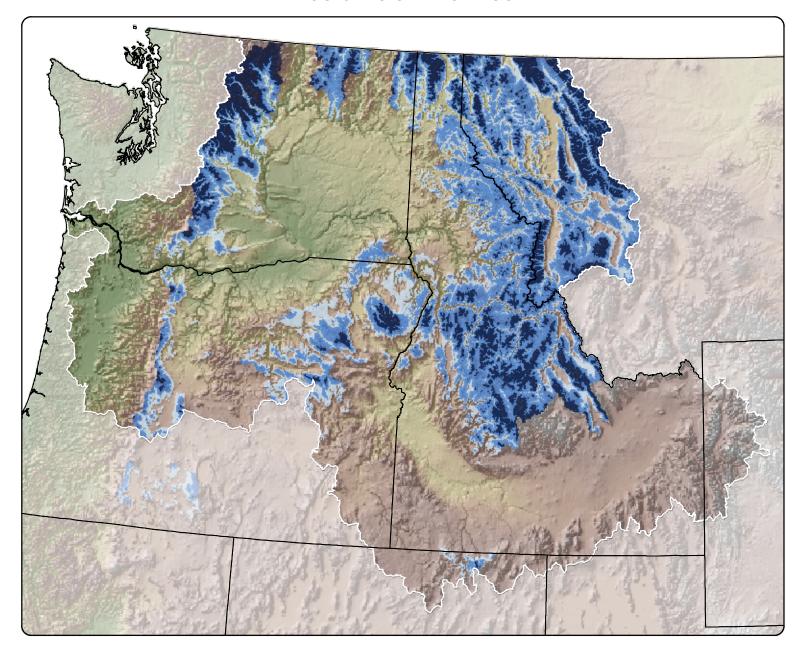
## Thermally Suitable Natal Stream Habitat for Bull Trout: Current and Projected Climate Conditions

Columbia River Basin



## Thermally Suitable Habitat



Current suitable habitat

1.6°C air temperature increase

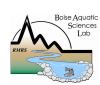
5°C air temperature increase

## Bull Trout Habitat Mapping

This map depicts a loss of suitable natal stream habitat for bull trout in the Columbia River basin, based on a predicted warming trend. Stream temperature habitat distributions are modeled using mean annual air temperature, elevation, latitude, and longitude. Future habitat predictions are governed by estimated increases in mean annual air temperature. On this map, current habitat is represented by all composite shades of blue, whereas estimated future habitat is depicted by successively darker regions.

U.S. Forest Service, RMRS Boise Aquatic Sciences Lab 322 E. Front Street, Suite 401 Boise, ID 83702





Citation: Rieman, B., D. Isaak, S. Adams, D. Horan, D. Nagel, C. Luce, D. Meyers., 2007. Anticipated Climate Warming Effects on Bull Trout Habitat and Populations Across the Interior Columbia Basin .Transactions of the American Fisheries Society, 136:1552-1565.