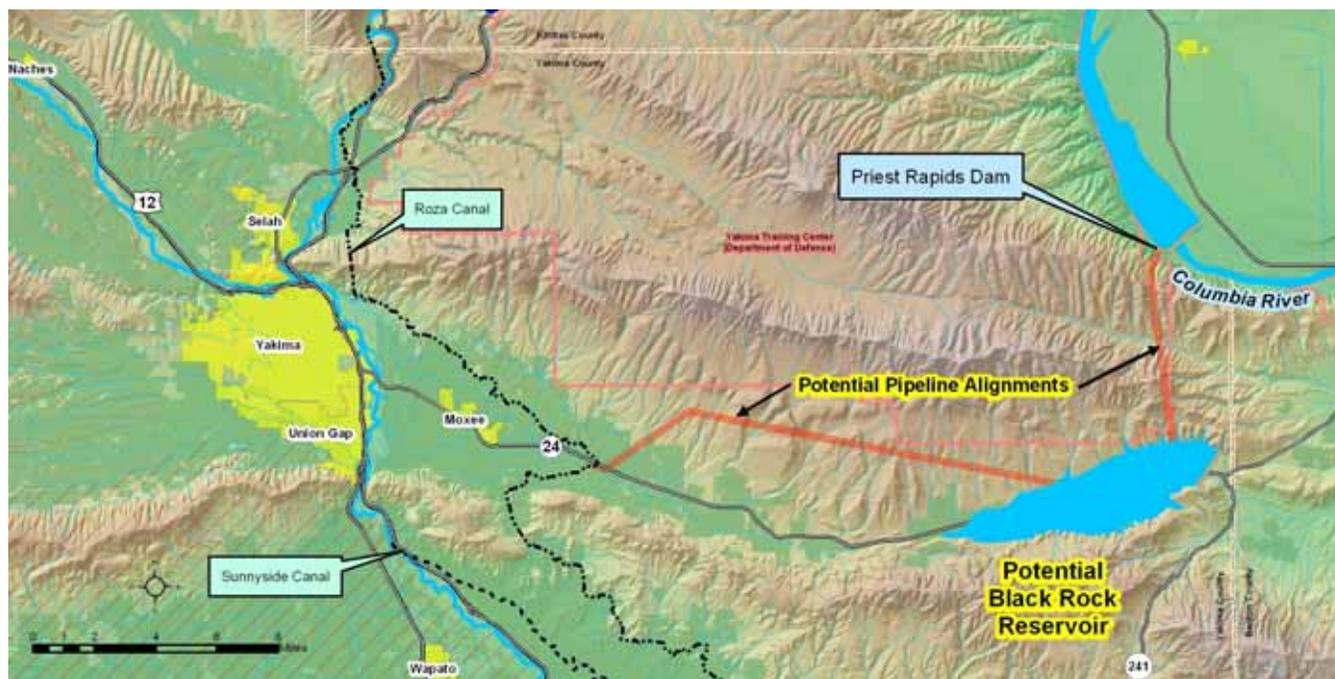


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## BLACK ROCK ALTERNATIVE

### Yakima River Basin Water Storage Feasibility Study

January 23, 2007



The Black Rock Alternative concept is to pump water from the Columbia River, when it is available in excess of current fishery instream flow targets, for storage in a new offstream reservoir to be constructed in the Black Rock Valley. Stored water would be released to an outflow conveyance system running to the west and to some lower Yakima Valley irrigation entities. The Yakima River water which is currently diverted would then be available to meet water supply needs in the Yakima basin. The alternative brought forward is a large reservoir pump-only option including a fish-screened intake from Priest Rapids Lake, a 3,500-cfs pumping plant to lift water to Black Rock Valley, a 760-foot-high dam to store 1,300,000 acre-feet of active storage in a Black Rock reservoir, a 2,500-cfs reservoir outflow conveyance system, and powerplants at the points of discharge to Roza and Sunnyside Canals.

The total appraisal-level project cost for the Black Rock Alternative was estimated at \$3.5 to \$4 billion (April 2004 prices).

