

ASR Concept - How it Works

Arrowsmith Reservoir and Dam:

The purpose of the Arrowsmith Reservoir is to collect and store water during the winter. The Arrowsmith Dam controls the release of water from the Arrowsmith Lake Reservoir to the Englishman River during the summer for fisheries enhancements and potable water extraction. The additional flow released from the Dam helps augment and stabilize summer river flows that support aquatic life, riparian flora & fauna and reduce impacts on groundwater. AWS not only provides fishery benefits, it also supports river health and ecological benefits.

Englishman River:

The Englishman River serves as a natural waterway that conveys water from the Arrowsmith Reservoir to the point of extraction from the river. Not all water released from the Arrowsmith Dam makes it to the extraction point, depending on the time of year; water is lost through evaporation and into the ground which helps recharge the Englishman River aquifer.



Fisheries Benefits:

Along with the water released for consumption and domestic use, this additional water creates better spawning and migration conditions for the fish in the river. In accordance with the requirements of its water license, the AWS works cooperatively with federal and provincial fisheries departments to manage the additional summer flows.

