Water Resources

Streamflow effected by: 1) storage of conditional decrees (i.e., Grey Mountain and Halligan Reservoir Enlargement), 2) diversion of converted agricultural rights (i.e., Southside ditch and Water Supply and Storage Company rights), and 3) releases from the alternatives used for exchanges.

The use of the Grey Mountain and the Halligan Reservoir Enlargement conditional storage decrees under each alternative results in a new diversion during peak stream flows during average and wet years during May and June. The reduction starts at the point of diversion and would continue downstream. Below is a graphic representation of the relative change.

Converted Southside ditch and Water Supply and Storage Company water rights would be changed in use and location of diversion. These converted water rights would be diverted from April to October with the largest diversions occurring in May and June and account for 95% of the water stored in each alternative. Therefore, streamflow reductions would occur from the reservoir to the original headgates.

Releases from the alternative reservoirs into pipes to the treatment plants have no effect on the river. Releases involving an exchange to Fort Collins intake on the Upper Poudre would reduce the flow in the reach from the intake to the river release point for each alternative.