

Significant Impact	Mitigation Measures
<b>Vegetation</b>	
Additional incision of the tributary streams	Construct hardened drop structures at the County Road crossings of Rush and Lee Vining Creeks
Erosion of the Parker and Walker Creek channels	Limit high flows in the near term to 23 and 15 cfs, respectively, by shunting higher flows to Grant Lake reservoir; allow increases in these limits as habitats recover or restoration succeeds
Erosion of Rush and Lee Vining Creek channels	Limit high flows in the near term to 350 and 250 cfs, respectively, shunting higher flows through the A-Ditch to Pumice Valley; allow increases in these limits as habitats recover or restoration succeeds
Cumulative losses of riparian vegetation and wetlands along the tributary streams	Seasonally rewater available overflow channels on all four tributary streams on at least a biannual basis
	Limit livestock grazing along the existing and potential riparian corridors through fencing or suspension of range use
	Plant woody riparian vegetation where absent along the tributary streams based on testing of soil condition and groundwater depth; prevent vehicular access
	Create freshwater ponds and riparian thickets at Cain Ranch and along lower Rush Creek
	Plant or protect woody riparian vegetation offsite in Mono Basin if onsite mitigation is insufficient
Losses of lakebed wetlands	Create lakebed wetlands and ponds where water supply is available using habitat restoration technologies
Channel instability along the Upper Owens River	Adopt ramping standards for streamflow changes; limit export volumes so a flow of 300 cfs is not exceeded in the river channel below East Portal
<b>Fisheries</b>	
Reduction in adult and spawning habitat	Establish minimum instream flow requirements that promote reestablishment and maintenance of prediversion fisheries and develop and implement appropriate habitat restoration plans, including gravel restoration plans
Adverse effects of high streamflows	Limit release flows in Rush Creek to 80 cfs whenever possible
	Limit release flows in Lee Vining Creek to 100 cfs whenever possible
	Ramp flow changes at unimpaired historical rates
	Establish sluicing criteria
	Discharge higher flows into overflow channels

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Reduced brown trout habitat in the Upper Owens River	<p>Install current deflectors, woody debris, and vegetation to stabilize eroding streambanks</p> <p>Install pools, backwaters, and overflow channels to create refuge habitat</p> <p>Periodically add spawning gravels or scarify existing spawning gravels if surveys indicate a need</p> <p>Adjust operations to provide nearly constant export rates year round, limiting flows in the river below East Portal to 150-200 cfs whenever possible and above 75 cfs at all times</p>
Reduced fish productivity in Grant Lake reservoir	Develop and implement a fish stocking program
Winter mortality of trout	Limit flows in Lee Vining Creek to a maximum of 20 cfs from October through March
<b>Aquatic Productivity</b>	
Decreased alkali fly productivity	Place concrete blocks or fragments in the littoral zone of the selected equilibrium lake level below the normal lowstand, if consistent with USFS management policy for the scenic area
<b>Wildlife</b>	
Loss of migratory duck habitat	Construct open-water ponds using surface water or groundwater sources
Loss of habitat values of tributary streams	See the discussion above for tributary streams under "Vegetation"
<b>Land Use</b>	
Loss of forage production	Continue irrigation of Cain Ranch lands below the conduit
Potential growth inducement of land disposal	Impose county planning and zoning controls; USFS acquire lands affecting the Mono Basin National Forest Scenic Area
<b>Air Quality</b>	
PM <sub>10</sub> standards exceeded	No feasible measures available

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<b>Visual Resources<sup>a</sup></b>	
Loss of tufa or phalarope visibility	No feasible measures available
<b>Recreation<sup>a</sup></b>	
Reduced boating and waterskiing opportunities	Construct substitute waterskiing course at Lake Crowley reservoir in location relatively insensitive to lake level; extend boat ramp at Grant Lake reservoir marina
Inaccessibility of Upper Grant reservoir	Modify water releases to maintain higher lake levels during recreation
Reduced shoreline access at Mono Lake	Extend roads and construct new parking lots closer to lakeshore
Reduced Mono Lake beach recreation	Construct sandy beaches
<b>Cultural Resources</b>	
Loss or degradation of known or undiscovered cultural sites along tributary streams, Upper Owens River, and Mono Lake vicinity	Identify areas of direct or indirect effect; survey areas for cultural resources; consult Native American community; and develop a cultural resource treatment plan that includes avoidance, monitoring ground disturbance, test excavation and data recovery, closure of access routes, and fencing as warranted
<b>Water Supply</b>	
Cost increase for sufficient supply	Identify and develop water reclamation projects; develop replacement supplies using Assembly Bill 444 funds; participate in water transfers program authorized by HR 929; participate in Metropolitan Water District's rebate programs; implement and monitor compliance with all Best Management Practices identified in the Urban Water Master Plan

<sup>a</sup> Mitigation measures for visual resource and recreation impacts related to "Fishery Resources" and "Wildlife" are described under these topics.