

Appendix G. Potential tools identified in community and partner discussions to date, with potential linkages to Science Based Opportunities.

	Science Based Opportunities for Improvement				
	Native Fish Community				Riparian Ecology
Potential Tools	Low availability of optimal habitat can limit growth and survival.	Predation and/or competition by non-native fish.	Loss and/or degradation of key habitats due to reduced peak flows	Reduced spawning success and/or survival of eggs and larvae.	Limited Cottonwood Seedling Establishment and/or Survival
Manage spill to achieve downstream water temperatures to ensure spawning after the peak.		X		X	
Ramp down from peak slowly to avoid stranding young native fish.		X		X	X
Manage spill to achieve frequent scouring of pools.	X	X	X	X	x
Focus management below McPhee exclusively on native fishery.	X	X		X	
“Move” focus on high quality trout fishery upstream of the dam.	X	X		X	
Actively control non-native fish.	X	X		X	
Mechanically redevelop deep pools and remove silt.	X	X	X		
Eliminate or reduce shared shortage requirement for Fish Pool.	X	X			X
Change the constraints on water management.	X	X	X	X	X
Change timing of water releases (Fish Pool and/or Spill)		X		X	X
Take advantage of spring tributary flows to "stretch" fish pool.	X			X	
Protect tributary flows into the future.	X	X	X	X	X
Lease and/or purchase additional water for downstream use.	X	X		X	X
Construct/acquire additional water storage above McPhee Reservoir for fishery purposes (e.g. Plateau Creek, other).	X	X		X	X
Cease stocking of rainbow trout (and brown trout if any occurs).	X	X		X	

Appendix G (continued).

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Use SLOWS fully to manage water temp. & nutrient loads.	X	X		X	
Develop Model to predict temperature at Bradfield Bridge.	X	X		X	
Create off- or in-channel sediment traps to reduce sedimentation occurring from some tributaries and improve pool habitat.	X	X		X	
Add woody debris to river below dam to create fish habitat.	X		X		
DRD 319 Watershed Study and any recommendations.	X		X	X	X
Implement active & passive control of tamarisk/other invasives.			X		X
Minimize/eliminate use of bypass gate during summer base flows.	X	X		X	
Improve runoff and spill forecasting.	X	X	X	X	X
Develop a Water Bank to insure against risk.	X	X	X	X	X
During early season, accept greater risk of not filling.	X	X	X	X	X
Keep Dolores WSR Suitable.	X		X	X	
Enact legislation or use NEPA (EA) to protect or mandate flows.	X	X	X	X	
Prohibit additional dams within proposed area of focus.	X		X	X	X
Limit land use practices causing sedimentation to fish habitat.	X		X	X	

