Appendix K
Project Opportunities by Subwatershed

The following project opportunities tables are organized by subwatershed. Relative project priorities are also indicated. The project priorities are intended to provide the land manager with the urgency and importance of a given project at the Slate Creek watershed scale, rather than at the subwatershed scale. A high priority in one subwatershed is comparable in importance to a high priority in another subwatershed. Vegetative management project opportunities (by timber stand) and their priorities are shown in Appendix L.

Projects are identified in a variety of locations and resources areas. The locations of the projects are shown on subwatershed maps (see Maps 76 through 84). The map number column identifies the location of the project on the project map. The project priority column indicates whether the project is very high priority = VH, high priority = H, moderate priority = M or low priority = L. The maps organize the projects in the following 7 general resource categories:

- **aquatic** restoration and improvement projects
- **campground** improvement projects
- projects to restore areas with past **grazing** impacts
- projects to restore areas with past **mining** impacts
- projects to reduce the impacts of **roads** on other resources and improve road safety
- projects to reduce the impacts of **trails** on other resources and improve trail safety
- **weed** control and **rare plant** restoration projects

Projects are further divided into three groupings: contributing (or priority), compatible and incompatible projects. The subwatershed discussions in Chapter 7 indicate which category the projects are in. A contributing project would directly assist in the achievement of the integrated management needs and objectives in a given subwatershed. This list of projects is not exhaustive and will not, by themselves, achieve the management objective. These are simply known projects that should be pursued.

A compatible project is intended to improve the conditions of one or more functional resource objectives, but would not necessarily contribute to the achievement of the integrated management needs and objectives in the subwatershed. These projects should proceed as possible, given that further analysis confirms that they are in fact compatible, and do not detract, from the integrated, priority management needs identified.

An incompatible project is one that appears to hinder or delay the achievement of the integrated management needs and objectives in the subwatershed. Incompatible projects and activities are identified in the subwatershed discussions in Chapter 7. They are not shown on the maps or in this table. It is very important to note that the incompatible project designations in this document are not the result of exhaustive analysis. The IDT recommends that the Purpose and Need for these projects be evaluated very carefully. If the need warrants additional analysis during the NEPA process, caution should be exercised. Even projects which may have negative short term impacts on the integrated theme objectives, should be weighed carefully from a cumulative effects standpoint.

Lower Slate Canyon

Map No.	Project Location	Brief Project Description	Project Priority
R1	Road #354 at milepost #2	Replace inadequate culvert on County Road	M
NA	Lower Slate	Evaluate coop improvement opportunities	M
NA	Bear Gulch	Evaluate the mouth of Bear Gulch (out of valley floor)	M
NA	Grassland slopes	Cooperative mgt and treatment of existing weed populations	H

Main Slate Canyon

Map No.	Project Location	Brief Project Description	Project Priority
R1	Road #354	Road drainage and stabilization. Inclusive of Bio-Engineering techniques where road encroaches upon stream (where road fill and streambank are one in the same)	H
R2	Chandler Property Access Road	Stabilize ... coop with private landowner	M
R3	Road #9338A	Correct drainage structure	H
R4	Road #9338	Trough Creek failure site - decommission this road	H
R5	Roads 354G and #2038	On Deadhorse project - convert the road to a trail which includes road reconstruction to the trailhead	H
R6	Road #2038B	Evaluate possible slope failure	M
R7	Road #2038 (plus B through F spurs)	Evaluate stabilization needs	M
R8	Road #2038	Evaluate upper crossing of Waterspout Creek	M
R9	Road #9308 at milepost 1.5	Evaluate stream crossing	M
R10	Road #398 H, I and J	Remove unstable fills at crossings	H
R11	Road #221 stream crossing	Stabilize cutslope	H
T1	Trail #321	Evaluate trail for motorized use loop	L
T2	Trail #326	Evaluate future use and needs	L
A1	Main Slate	Evaluate fish habitat improvement needs	H
A2	Bear Gulch	Evaluate mouth of Bear Gulch Creek (diverted?) on private land	H

A3	Adjacent to trailhead # 330	Evaluate the development of a fishing pond	M

Main Slate Canyon (cont.)

Map No.	Project Location	Brief Project Description	Project Priority
NA	Old Admin site adjacent to trailhead # 330	Restore hardwood shrub community to toe-slope and terrace. Maintain Henderson's sedge population	M
A4	Little Slate Creek	Evaluate fish passage below Boulder Creek	M
G1	Willow Creek	Develop cattle watering source on Road #76216	M
M1	Limestone Quarry	Reclaim quarry and access roads	L
R12	Road #2038C	Stabilize several failing cutslopes	M
R13	Road #2038	Ditch/ cutslope erosion	M
R1.1	Road #354 at milepost 4.5	Evaluate overflow diversion potential of crossing	
R1.2	Road #354 at milepost 5.1	Dynamite Creek - undersize culvert, make fish passable with diversion (overflow?) potential	M
R1.3	Road #354 at milepost 5.2	Hurley Creek - undersized culvert	H
R1.4	Road #354 at milepost 6.2	Waterfall Creek - undersized culvert with diversion (overflow?) potential	H
R1.5	Road #354 at milepost 6.6	Hartman Creek - undersize culvert, make fish passable with diversion (overflow?) potential	M
R1.6	Road #354 at milepost 7.6	Slide Creek - undersized culvert, make fish passable	M
R1.7	Road #354 at milepost 8.7	Unnamed Creek - undersized culvert	M
R1.8	Road #354 at milepost 9.6	Unnamed Creek - undersize culvert with diversion potential	M
R1.9	Road #354 at milepost 9.9	Willow Creek - undersize culvert, make fish passable with diversion (overflow?) potential	H
R1.10	Road #354 at milepost 9.9	Unnamed Creek - undersize culvert with diversion (overflow?) potential	M
R1.11	Road #354 at milepost 10.7	Unnamed Creek - undersize culvert with possible diversion(overflow?) potential	M
R1.12	Road #354 at milepost 11.5	Lee Creek -undersized culvert, make fish passable.	H
R1.13	Road #354 at milepost 11.8	Trough Creek - undersized culvert, make fish passable	H
R1.14	Road #354 at milepost 12.0	Unnamed Creek - undersized culvert	M

R1.15	Road #354 at milepost 13.9	Basin Creek - undersized culvert, make fish passable	H
R1.16	Road #354 at milepost 14.1	Seep runs down ditch and percolates through prism	H

Main Slate Canyon(cont.)

Map No.	Project Location	Brief Project Description	Project Priority
NA	Limestone/ Grassl ands	Rare Plant Inventory	H
NA	High Risk Habitat	Treat and manage existing weed infestations	H

Little Van Buren Creek

Map No.	Project Location	Brief Project Description	Project Priority
R1	Where Little Van Buren Creek is crossed by former trail #330 template, at upstream edge of fenced administrative pasture	Remove culvert	H
R2	Road #9300-A	Evaluate road fill	M
R3	Road #2038	Evaluate stream crossing and fill	M
R4	Road #2038H	Evaluate stream crossing and fill	M
R5	Road #2038I	Evaluate fill stability	L
A1	Upper Little Van Buren Creek	Evaluate 1st order stream for stability	L

Deadhorse Creek

Map No.	Project Location	Brief Project Description	Project Priority

A1	Above barrier	Survey stream above barrier	L
W1	At the trailhead of trail # 329, on the 354G road.	Treat and monitor hawkweed infestation. (Verify this with Don Sorensen)	H
R1	Lower Deadhorse Creek	Road to trail conversion now (FY2000) under contract.	H
R2	Road #2038	Ravelling and slumping cutslopes.	H

North Fork Slate Creek

Map No.	Project Location	Brief Project Description	Project Priority
G1	Peter Ready Headwaters	Reduce cattle damage (fencing 7 watering site development)	H
T3	Trail #385 with its intersection with Road #398	Trail erosion and at other sites nearby	L
T1	Trail #'s 385, 386, & 320.1{portion between road 463 & trail 385} (trails have numerous first and second order tributary crossings)	Evaluate travel plan desires and coordinate with roads for consistency (including area restriction designation for the North Fork Slate drainage). Designate uses, develop systems to safely accommodate designated uses and modify to a standard which do not adversely impact aquatic resources. Maintain systems to avoid adverse aquatic impacts.	H
G2	Forks of North Fk Slate Creek	Reduce cattle damage in meadow headwaters (fencing)	H
G3	Forks of North Fk Slate Creek	Reduce cattle damage in meadow headwaters (develop hardened watering site)	H
G4	Forks of North Fk Slate Creek	Reduce cattle damage in meadow headwaters	H
T2	Trail #320	Evaluate stabilization, relocation and use designation	H
C1	Developed Campground at mouth of North Fork Slate Creek	Evaluate campground management (i.e. location and long-term commitment of funding to maintain at a standard to avoid impacts to aquatic resources, TES species, & hazard trees)	H
R1	Road #398	Evaluate unstable sites	M
R2	Road #398 at Peter Ready	Evaluate culvert for fish passage	M
	Road #398 at Peter Ready	Limit the existing use of the site by bordering with large boulders, harden parking turnout of site.	H

G5	Road #398 at milepost 2.5 through 5.7	Develop water sources to reduce cattle impacts to the road	M
A1	Peter Ready	Evaluate grazing impacts to the stream channel	M
	High Risk Habitat	Treat and manage existing weed infestation.	

Upper Main Slate Creek

Map No.	Project Location	Brief Project Description	Project Priority
T1	Rag Station Trail #313	Improve tread & drainage and use management and maintenance priority	H

Upper Main Slate Creek (cont.)

Map No.	Project Location	Brief Project Description	Project Priority
C1	Rocky Bluff Campground	Campground management. Evaluate campground management (i.e. location and long-term commitment of funding to maintain at a standard to avoid impacts to aquatic resources, TEST species, & hazard trees)	L
R1	Road #221 near Slate Creek	Stabilize cuts and drainage a various sites	H
A1	Slate Lake to Rocky Bluff	Evaluate brook trout versus. rainbow trout.	L
G1	Upper Slate	Evaluate livestock trailing to reduce effects on riparian meadows along Rec. trail # 313	M
R2	Road #444	Maintain, and evaluate for gravel placement and cross-drains	?
R3	Road #354	Evaluate/ establish a higher design standard and increase the maintenance schedule. Include template & drainage.	H
A2	Basin Creek Pond	Evaluate slope stability	L
A3	Slate Creek	Evaluate channel instability	H
T2	Milner road and trail south of Rocky Bluff	Evaluate road vs. trail management objectives. Establish a trail designed to a standard to accommodate authorized uses and avoid impact to aquatic resources and TEST species. Establish and adhere to maintenance schedule designed to assure objectives	H
T3	Milner road and trail north of Rocky Bluff	Evaluate road vs. trail management objectives	L
NA	Slate Lake Area	Rare Plant Inventory	M

Boulder Creek

Map No.	Project Location	Brief Project Description	Project Priority
R1	Road #221 at Boulder Creek	Evaluate culvert for diversion risk	M
R2	Road #221 at Little Boulder Creek	Evaluate culvert for diversion risk	L
A1	Boulder and Little Boulder Creeks	Evaluate brook trout vs. westslope cutthroat	L
A2	Boulder and Little Boulder Creeks	Evaluate the westslope cutthroat genetics	M (?L)

Boulder Creek (cont.)

Map No.	Project Location	Brief Project Description	Project Priority
T1	Trail #309 at Boulder Creek	Evaluate the use and needs of the trail and than design new trail stream crossing.	L
T2	Trail # 302 (AKA 088)& roads 76294, 76180, 76180B, 76182, 76183, & 76184 and the 9315, 9313, 9316 road #9315	Evaluate road vs. trail management objectives. Establish a trail designed to a standard to accommodate authorized uses and avoid impact to aquatic resources and TEST species. Establish and adhere to maintenance schedule designed to assure objectives.	M
R3	Road #221	Stabilize cuts, improve drainage and install sediment traps	H
NA	Little Boulder Cr. Area	Inventory for Allotropa and Andreaea	M

Little Slate Creek

Map No.	Project Location	Brief Project Description	Project Priority
M1	Black Bear Mine	Evaluate mine access options	L
M2	Little French Creek	Evaluate stream channelized by mining (0.75 miles)	M

T1	Trail # 303 near road # 221	Trail relocation (Centennial Trail) to road #9330	H
T2	Trail # 303 near Florence Cemetery (N NW of the 643 road)	Trail relocation (Centennial Trail) {to road # 643H, or, solberg suggests exploring an existing mining road south of the cemetery and summit creek. Would need to ferret out)	H
T3	Trail # 308 near road # 9328B	Trail maintenance	M
T4	Ghost Trail-Gold Lake	Evaluate trail management objectives, coordinate with road management through travel plan objectives.	H
T5	Trail # 308 at Little Slate Creek	Repair (Relocate) trail crossing of Little Slate Creek. Post designated use info at trail crossing with road 9318, and restrict access to trail to designated use at the intersection. If designated use is ORV's ≤ 50", existing treadwidth is not adequate. ATV's are now using this portion of the trail.	H
NA	Trail # 302 (AKA 088)& roads 76294, 76180, 76180B, 76182, 76183, & 76184 and the 9315, 9313, 9316 road #9315	Evaluate road vs. trail management objectives. Establish a trail designed to a standard to accommodate authorized uses and avoid impact to aquatic resources and TEST species. Establish and adhere to maintenance schedule designed to assure objectives.	M

Little Slate Creek (cont.)

Map No.	Project Location	Brief Project Description	Project Priority
G1	Bungalow Meadows	Riparian vegetation restoration and monitoring.	Mod
G1	Bungalow Meadows	Treat and manage the matgrass infestation.	High
M3	Little Slate Placer	Evaluate historic placer mine downstream of Van Buren Creek	M
G2	Little Slate Meadow	Evaluate historic grazing effects (B-channel)	L
G3	Little Slate Meadow	Evaluate historic grazing effects (G-channel)	M
G4	Road #221 near Road #2070	Evaluate significance of unauthorized livestock use from Allison Allotment	L
M4	Gold Lake Tunnel	Restore missing meander	H
M5	Rubie Tributary	Stream erosion **(?)**	M
M6	Miller Creek	Channelization	M
M7	Miller Creek Tributary	Stabilize headcut	H
M8	Gold Lake Tributary	Stabilize headcut	H

M9	Pioneer Gulch	Revegetate and reduce surface erosion on ground placer	M
M10	Ozark Creek	Stabilize two headcuts and evaluate 1 adit	M
M11	Baboon Gulch	Stabilize erosion and evaluate stream diversion	H
M12	"303" Gulch	Stabilize channel and placer erosion	M
M13	Waverly Mine	Stabilize erosion	M
M14	Private land	Coordinate with private landowners on erosion control	M
M15	Middle Miller Creek	Stabilize two headcuts	M
M16	Upper Little French Creek	Stabilize erosion	M
R1	Road # 643	Travel management and erosion control	H
R2	Road #221 (From road # 394 to Gold Lake crossing)	Stabilize cutslopes, improve road drainage and install sediment traps	H
R3	Road # 221 (Gold Lake)	Stabilize cutslopes, improve road drainage and install sediment traps	H
R4	Road #221 (near Road #9330)	Stabilize cutslopes and fillslopes, improve road drainage and install sediment traps	H
R5	Road #221 (near Road #9317)	Stabilize cutslopes, improve road drainage and install sediment traps	H
R6	Road #221 near #9319	Stabilize cutslopes, improve drainage and trap sediment	H

Little Slate Creek (cont.)

Map No.	Project Location	Brief Project Description	Project Priority
R7	Road #221 near Little Slate Creek	Stabilize cutslopes, improve drainage and trap sediment	H
R8	Road #2002 at Royal Creek	Evaluate and restore bull trout passage	H
R9	Road #2002 at Turnbull Creek	Evaluate culvert for fish passage (bull trout)	M
A1	Little Slate Creek from the mouth to the headwaters	Evaluate bull trout population and genetic connectivity with bull trout population(s) elsewhere in the Slate Creek drainage. Specifically, determine if fluvial bull trout from the Salmon River inter-act and support the bull trout population in headwater tributaries (Van Buren, Royal, Turnbull).	H
	Rubie Creek Area	Inventory for Allotropa and Andreaea	M

Van Buren Creek

Map No.	Project Location	Brief Project Description	Project Priority
A1	Nut Basin Lake	Evaluate fishery and downstream effects	L
G1	Van Buren Meadow	Evaluate condition and historic grazing effects	L
T1	Trail # 303	Repair trail erosion near the mouth of Van Buren Creek	H
T2	Trail # 303	Repair trail erosion	M
A2	Van Buren Creek	Evaluate bull trout population and genetic connectivity with bull trout population(s) elsewhere in the Slate Creek drainage. Specifically, determine if fluvial bull trout from the Salmon River inter-act and support the bull trout population in Van Buren Creek.	H
NA	2002 road	Determine short and long term resource management needs of this road system, including all spurs. Develop travel management plan integrated with trail systems.	H