

8.3 Comparison of Management Actions by Alternatives

	Alternative 1: No Action—Current Management	Alternative 2: Proposed Action	Alternative 3	Alternative 4
Litter Management (Recreation Management Zones 1, 2, 4, & 5)				
Indicator	No indicator	Percentage of sites at which litter occurs	Same as Alternative 2	Same as Alternative 2
Standard	No standard	Less than 20% of sites (13 sites) with litter present.	Same as Alternative 2	Same as Alternative 2
Phase I	Maintain existing litter cleanup patrols, increase educational efforts.	Maintain existing cleanup patrols, increase education and partnerships.	Same as Alternative 2	Add one additional cleanup patrol, increase education and partnerships.
Phase II		Add one additional cleanup patrol and continue education.	Same as Alternative 2	Dismantle fire rings; require fire pans and removal of ash from the river corridor.
Phase III		Dismantle fire rings; require fire pans and removal of ash from the river corridor.	Continue education, no firepan requirement.	
Human Waste Management (Recreation Management Zones 1, 2, 4, & 5)				
Indicator	No indicator	Percentage of sites that human waste (or toilet paper) is present	Same as Alternative 2	Same as Alternative 2
Standard	No standard	Less than 10% of sites (7 sites) with human waste/tp present	Same as Alternative 2	Same as Alternative 2
Phase I	Maintain existing human waste cleanup patrols, increase educational efforts.	Maintain existing cleanup patrols, increase education, LNT workshops, and partnerships. Require commercial guides to use portable toilets. Publicize state statutes regarding human waste disposal.	Same as Alternative 2, except commercial guides would not be required to use portable toilets.	Same as Alternative 2
Phase II		Add one additional cleanup patrol and continue education.	Same as Alternative 2, except for the addition of one outhouse on the Upper Tangles portage in RMZ 2.	All users will be required to use portable toilets and pack out human waste and toilet paper. Outhouse at river portage will be removed when a portable toilet cleanout facility is developed.
Phase III		All users will be required to use portable toilets and pack out human waste and toilet paper. Outhouse at river portage will be removed when a portable toilet cleanout facility is developed.	Users would be encouraged to pack out human wastes through continued education, but not required. Maintain outhouses at river portage and Upper Tangles portage.	
Fire Ring Management (Recreation Management Zones 1, 2, 4, & 5)				
Indicator	No indicator	Number of fire rings per site	Same as Alternative 2	Same as Alternative 2
Standard	No standard	Less than 20% of sites (13 sites) with more than one fire ring	Same as Alternative 2	Same as Alternative 2
Phase I	Maintain existing cleanup patrols, increase educational efforts.	Dismantle all but one fire ring per site, increase education, and encourage the use of firepans.	Same as Alternative 2	Same as Alternative 2
Phase II		Dismantle all fire rings; require the use of firepans and removal of ash from the river corridor.	Install metal fire rings at heavy use sites and sites with multiple fire rings. Firepans would not be required.	Same as Alternative 2
Private and Commercial User Capacity Management (Recreation Management Zones 1, 2, 4, & 5)				
Indicator	No indicator	Number of user days that groups are required to camp within sight or sound of other campers, pass up occupied campsites, or share campsites due to campsites being occupied	Same as Alternative 2	Same as Alternative 2
Standard	No standard	Less than 20% of total user days annually	Less than 40% of total user days annually	Less than 10% of total user days annually
Phase I	There are no private or commercial user capacity limitations under current management strategy.	Group size limitation of 10 people per campsite, designate campsites and develop campsite map, consider development of additional campsites in high use areas.	Develop additional campsites in high use areas. Designate campsites and develop campsite map.	Group size limitation of 8 people per campsite, designate campsites and develop campsite map.
Phase II		Voluntary registration system for overnight trips, first come/first served	Group size limitation of 12 people per campsite	Mandatory registration system for overnight trips, first come/first served
Phase III		Voluntary registration system progresses to mandatory registration system	Voluntary registration system for overnight trips, first come/first served	Mandatory permit system
Phase IV		Mandatory permit system	Voluntary registration system progresses to mandatory registration system. No formal permit system.	

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Campsite Impact Management (Recreation Management Zones 1, 2, 4, & 5)				
Indicator	No indicator	Percentage of bare ground disturbance and density of social trails and satellite sites at designated campsites. Sites have been inventoried and categorized as heavy, moderate, and light impact sites.	Same as Alternative 2	Same as Alternative 2
Standard	No standard	Heavy impact sites: No increase in bare ground on the riverbank and no increase in satellite sites or social trails from existing condition. Moderate impact sites: Less than 66% bare ground disturbance and no more than one satellite site or social trail. Light impact sites: Less than 33% bare ground disturbance and no new satellite sites or social trails.	Same as Alternative 2	Same as Alternative 2
Phase I	Maintain existing campsite documentation efforts and rehabilitate dormant sites.	Group size limitation of 10 people per campsite, designate sites and develop campsite map. Consider the development of additional campsites. Heavy Impact sites: Close developing satellite sites and social trails using native materials to discourage use. Use passive rehabilitation to funnel use along the riverbank. Moderate Impact sites: Use passive rehabilitation to halt expansion of core area, satellite sites, and social trails. Light Impact sites: Same as described for moderate impact sites. Temporarily close site if not designated using passive rehabilitation methods.	Maintain existing campsite documentation efforts, designate campsites and develop campsite map. Existing heavy and moderate impact sites would be hardened and expanded to accommodate larger groups and increased use. Light impact sites would be allowed to become moderate impact sites before hardening and expansion.	Same as Alternative 2, except for a group size limitation of 8 people per site. Additional campsites would not be developed.
Phase II		Groups in excess of 10 people will be prohibited in all designated campsites. Heavy Impact sites: Close satellite sites and social trails using physical barriers and signage. Moderate Impact sites: Where passive rehabilitation is not effective, temporarily close sites until bare ground has revegetated within site categorization standards. Light Impact sites: Passive rehabilitation, temporary closure of sites.	Group size limitation of 12 people per campsite. All campsites would be maintained and rehabilitation, rest, or closure would only be used if resource damage (i.e. erosion, sedimentation) is occurring. Campsites would then be rehabilitated use passive rehabilitation and signage to discourage use.	Same as Alternative 2, except groups in excess of 8 people will be prohibited in all designated campsites.
Special Recreation Permit (SRP) Management				
	Commercial uses are limited through Special Recreation Permit stipulations.	Limit commercial group sizes to 10 people per campsite. Require commercial guides to use designated campsites and portable toilets. Competitive events will be considered and may be authorized based on compatibility with specified ORVs for the management zone.	Same as Alternative 2, except commercial groups would be limited to 12 people per campsite and would not be required to use portable toilets.	Same as Alternative 2, except commercial groups would be limited to 8 people per campsite.
Group Size				
	No limitations on group size under current management.	In RMZs 1, 2, 4, and 5, group sizes will be limited to a maximum of 10 people per campsite. Groups in excess of 10 people per campsite must obtain written authorization with special stipulations from the BLM. In RMZ 3 (campground) group sizes will be limited to a maximum of 10 people and 2 vehicles per designated campsite (one of which may be a recreational vehicle). Groups in excess of 10 people may camp in the designated group camping areas.	In RMZ's 1, 2, 4, and 5 group sizes will be limited to 12 people per campsite under Phase II campsite and user capacity management actions. Groups in excess of 12 people per campsite must obtain written authorization that may include special stipulations from the BLM. In RMZ 3 (campground) group sizes will be limited to 12 people and 3 vehicles per designated campsite (one of which may be a recreational vehicle). Groups in excess of 12 people may camp in the designated group camping areas.	Same as Alternative 2, except group size would be limited to 8 people per campsite. Groups in excess of 8 people per campsite must obtain written authorization with special stipulations from the BLM.
Occupancy and Use				
	Camping is limited to 10 consecutive days within the river corridor within any 60 day period.	Camping will be limited to 14 consecutive days within the river corridor within any 60 day period. Designated campsites must be used when camping within 200 feet of the river or lake shoreline. Dispersed camping (more than 200 feet from the shoreline) will be allowed when using Leave No Trace low impact camping methods.	Same as Alternative 2	Same as Alternative 2
Chainsaw Use and Firewood Gathering				
	No limitations on chainsaw use and firewood gathering under current management.	Only dead and down wood may be used for campfires and the use of chainsaws for the cutting of firewood for campsites will be prohibited in RMZs 1, 2, and 4. Chainsaw use will be allowed in RMZ 3 for cutting of wood brought from home and in RMZ 5 for the cutting of standing dead at least 200 feet from the river's edge.	Chainsaw use for the cutting of firewood for campsites and the cutting of standing dead at least 200 feet from the river's edge will be allowed in all RMZs.	Only dead and down wood may be used for campfires. The use of chainsaws for the cutting of firewood for campsites will be prohibited in all RMZs.

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Recreational Shooting				
	Under current management, discharging a firearm or any other implement capable of taking human life, causing injury, or damaging property at any time within 150 yards of residence, building, developed or undeveloped recreation sites, or occupied area; or at any time across or on any public road, or across or on any trail or body of water whereby any person or property is exposed to injury or damage as a result of such discharge is prohibited.	Same as Alternative 1, except that target shooting and plinking will also be prohibited.	Same as Alternative 2	Same as Alternative 2
Fireworks				
	Under current management, fireworks are prohibited within the WSR corridor.	Same as Alternative 1	Same as Alternative 1	Same as Alternative 1
Supply Caching				
	No limitations on supply caching under current management.	The caching of supplies will only be allowed through written authorization with special stipulations from the BLM.	Same as Alternative 2	Same as Alternative 2
Education and Interpretation				
	Information describing available recreational opportunities and Leave No Trace low impact camping techniques is provided at the boat launches, on the BLM website, and in BLM brochures. Information is provided throughout the developed facilities describing facility rules and regulations, interpretation of area resources, river trip options and Leave No Trace (LNT) educational materials. Volunteer hosts are available to provide education and information to visitors.	Additional educational and interpretive information will be provided to promote a cultural and natural resource awareness of the area, LNT low impact camping techniques, and to inform visitors of new rules and regulations for all management zones. River crews will make contact with river users to discuss LNT river ethics and provide informal presentations at boat launches. Interpretive displays will be installed on nonmotorized trails, focusing on TLAD cultural significance and subsistence lifestyles. Volunteer hosts will be available to provide education and information to visitors.	River crews will focus on cleanup and maintenance of campsites, portages, and facilities, rather than educational outreach efforts.	Same as Alternative 2, except interpretive displays will not be installed on nonmotorized trails.
Marketing				
	A defined marketing strategy has not been considered or developed under the current management scenario.	In RMZ's 1, 4, and 5, recreational opportunities will be marketed by providing information on the BLM website and in BLM brochures. In RMZs 2 and 3, recreational opportunities will be marketed to a wider audience using the BLM website, magazine articles, brochures, and outdoor shows.	Recreational opportunities will be marketed to a wider audience in all RMZs using the BLM website, magazine articles, brochures, and outdoor shows.	Same as Alternative 2
Monitoring				
	A defined monitoring strategy has not been developed under the current management scenario.	The administration of visitor satisfaction surveys will be used to assure that BBM outcomes/objectives are being met and setting prescriptions are being maintained. Adaptive management standards will be monitored using river patrols, river surveys, and visitor registration.	Same as Alternative 2	Same as Alternative 2
Facility Management				
Tangle Lakes Zone 1	No facility developments identified. Public use cabins would not be developed.	No facility developments identified. Public use cabins would not be developed.	Developed day use facilities with metal fire rings and picnic tables would be installed at heavy use campsites. Public use cabins will be considered for development.	Same as Alternative 2
Tangle Lakes Zone 2	No facility developments identified. Public use cabins would not be developed. Acquisition of area lodges would be considered for a visitor center if the opportunity presents itself.	No facility developments identified. Public use cabins would not be developed. No additional outhouses would be developed at the portage. Acquisition of area lodges will not be considered for a visitor center.	Outhouse and boater registration kiosk would be installed at first portage of the Upper Tangles. Developed day use facilities with metal fire rings and picnic tables would be installed at heavy use campsites. Public use cabins will be considered for development.	Same as Alternative 2
Tangle Lakes Developed Zone 3	Facility developments limited to campground renovation and wayside improvements. Public use cabins would not be developed.	Facility developments will be limited to campground renovation and wayside improvements. User fees will be implemented for the use of the campground only. Public use cabins would not be developed. Possible river educational contact station and portable toilet cleanout facility will be developed if needed in the future.	User fees would be implemented for the use of campground, boat launches, and overnight parking at the DWRS wayside. Public use cabins will be considered for development. An educational contact station or cleanout facility would not be considered for future development.	Same as Alternative 2, except facility developments would be limited to campground renovation only.
Delta River Zone 4	Facility developments limited to outhouse, river survey box, portage warning signs, and boater registration kiosk. Public use cabins would not be developed.	River survey box and boater registration kiosk will be removed. Outhouse will be removed if portable toilets are required in the future and portable toilet cleanout facility is developed. Portage warning signs will remain discrete, but noticeable. Public use cabins would not be developed.	Facility developments will include an outhouse, river survey box, portage warning signs, and boater registration kiosk. Public use cabins will be considered for development.	All existing facility developments would be removed. Outhouse will be removed if portable toilets are required in the future and portable toilet cleanout facility is developed. Public use cabins would not be developed.
Delta River Zone 5	Increased signage prescribed at the Mile 212.5 Richardson Highway takeout. Public use cabins would not be developed.	Facility developments at the Mile 212.5 Richardson Highway takeout would include takeout warning signs, river survey box, and boater registration kiosk. Public use cabins would not be developed.	Metal fire rings and picnic tables would be installed at heavy use campsites. Facility developments at the MP 212 takeout would include takeout warning signs, river survey box, and boater registration kiosk. Public use cabins will be considered for development.	No facility developments identified. Public use cabins would not be developed. Takeout warning sign would be removed at Mile 212.5 Richardson Highway takeout.

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Travel Management				
Tangle Lakes Zone 1	No designated OHV trails. OHV use is prohibited, except during periods of adequate snow cover (at least 6" ground frost or 12" snow cover). Snowmachines and OHVs may be used to travel cross country during periods of adequate snow cover.	No designated OHV trails. OHV use is prohibited, except during periods of adequate snow cover (at least 6" ground frost or 12" snow cover). Unauthorized trails will be closed and rehabilitated. Snowmachines and OHVs may be used to travel cross country during periods of adequate snow cover.	Same as Alternative 2	Same as Alternative 2
	Nonmotorized trails are dispersed and undeveloped. Portage trails are not marked or maintained.	Portage trails will not be marked or maintained unless trail proliferation or resource damage is occurring.	Portage trails will be marked and identified with signage and improved access will be provided through trail construction and maintenance activities using native materials.	Same as Alternative 2
	Recommended limitation of 15 horsepower motors.	Motorized boating will be discouraged, but not prohibited unless monitoring shows that adverse impacts are occurring to recreational, wildlife, riparian, and/or water quality resource values. Upon a finding that any of these resource values are being adversely affected as a result of motorized boating, an ANILCA closure process would be considered in compliance with the procedures outlined in 43 CFR 36.11(h).	No restrictions on motorized boating.	All recreational motorized boating will be prohibited. Motorized boating for subsistence use and access for traditional activities (described in ANILCA Sections 811 and 1110) will be limited to 15 horsepower motors, and airboats and hovercraft will be prohibited.
	No limits on airplane landings. No new airstrips will be constructed.	Airplane landings will be discouraged, but not prohibited unless monitoring shows that adverse impacts are occurring to recreational, wildlife, riparian, and/or water quality resource values. Upon a finding that any of these resource values are being adversely affected as a result of airplane landings, an ANILCA closure process would be considered in compliance with the procedures outlined in 43 CFR 36.11(h). New airstrips will not be authorized within the management zone.	No restrictions on airplane landings. New airstrips will not be authorized.	All airplane landings will be prohibited, except for emergency operations. New airstrips will not be authorized.
Tangle Lakes Zone 2	No designated OHV trails. OHV use is prohibited, except during periods of adequate snow cover (at least 6" ground frost or 12" snow cover). Snowmachines and OHVs may be used to travel cross country during periods of adequate snow cover.	No designated OHV trails. OHV use is prohibited, except during periods of adequate snow cover (at least 6" ground frost or 12" snow cover). Round Tangle Lake and Mile 22 Denali Highway North Trails are unauthorized OHV trails and will be closed to OHV use. Snowmachines and OHVs may be used to travel cross country during periods of adequate snow cover.	Round Tangle Lake and Mile 22 Denali Highway North Trails will be open to OHV use and designated as OHV trails. All other OHV use is prohibited, except during periods of adequate snow cover (at least 6" ground frost or 12" snow cover).	Same as Alternative 2
	Nonmotorized trails are dispersed and undeveloped. Portage trail is not marked or maintained.	Lower Tangles Ridge Trail, Rock Creek Trail, Upper Tangles Ridge Trail, and the Round Tangle Lake Trail will be designated as nonmotorized trails. Portage trail will not be marked or maintained unless trail proliferation or resource damage is occurring.	Same as Alternative 2, except portage trails will be marked and identified with signage and improved access will be provided through trail construction and maintenance activities using native materials.	Only the Lower Tangles Ridge Trail will be designated as a nonmotorized trail. Portage trail will not be marked or maintained unless trail proliferation or resource damage is occurring.
	Recommended limitation of 15 horsepower motors.	No restrictions on motorized boating.	Same as Alternative 2	All motorized boating will be limited to 15 horsepower motors, and airboats, hovercraft and personal watercraft (jetskis) will be prohibited.
	No limits on airplane landings. No new airstrips will be constructed.	Airplane landings will not be restricted. New airstrips will not be authorized.	Same as Alternative 2	All airplane landings will be prohibited, except for emergency operations. New airstrips will not be authorized.
Tangle Lakes Developed Zone 3	No designated OHV trails. OHV use is prohibited, except during periods of adequate snow cover (at least 6" ground frost or 12" snow cover). Snowmachines and OHVs may be used to travel cross country during periods of adequate snow cover.	No designated OHV trails. OHV use is prohibited, except during periods of adequate snow cover (at least 6" ground frost or 12" snow cover). Snowmachines and OHVs may be used to travel cross country during periods of adequate snow cover. Use of OHVs in the Tangle River will be prohibited. Within the developed facilities, OHV use will only be allowed for ingress and egress to campsites in designated areas and on gravel travel routes designated for motorized travel.	Same as Alternative 2	Same as Alternative 2
	Recommended limitation of 15 horsepower motors.	No formal restrictions on motorized boating. Motorized boating is naturally restricted by shallow river conditions.	Same as Alternative 2	All motorized boating will be prohibited.
	No limits on airplane landings. No new airstrips will be constructed.	No formal restrictions on airplane landings. Airplane landings are not practical in the developed facilities due to the lack of suitable airstrips. New airstrips will not be authorized.	Same as Alternative 2	Same as Alternative 2

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Delta River Zone 4	No designated OHV trails. OHV use is prohibited, except during periods of adequate snow cover (at least 6" ground frost or 12" snow cover). Snowmachines and OHVs may be used to travel cross country during periods of adequate snow cover.	No designated OHV trails. Unauthorized OHV trails will be closed and rehabilitated. OHV use is prohibited, except during periods of adequate snow cover (at least 6" ground frost or 12" snow cover). Snowmachines and OHVs may be used to travel cross country during periods of adequate snow cover.	Same as Alternative 2	Same as Alternative 2
	Nonmotorized trails are dispersed and undeveloped. Portage trail is marked and maintained using signing and native construction materials.	Portage trail will be marked and maintained using signs and native construction materials. Additional nonmotorized trails may be designated in the future in the Garrett Creek drainage.	Same as Alternative 2	Portage trails will not be marked or maintained unless trail proliferation or resource damage is occurring. No additional trails would be considered for future designation.
	No motorized boating limitations.	Motorized boating will be discouraged, but not prohibited unless monitoring shows that adverse impacts are occurring to recreational, riparian, fisheries, and/or water quality resource values. Upon a finding that any of these resource values are being adversely affected as a result of motorized boating, an ANILCA closure process would be considered in compliance with the procedures outlined in 43 CFR 36.11(h).	No restrictions on motorized boating.	All recreational motorized boating will be prohibited. Motorized boating for subsistence use and access for traditional activities (described in ANILCA Sections 811 and 1110) will be limited to 65 horsepower motors, and airboats and hovercraft will be prohibited.
	Airplane landings are prohibited except for emergency operations. No new airstrips will be constructed.	Airplane landings will be discouraged, but not prohibited unless monitoring shows that adverse impacts are occurring to recreational, riparian, fisheries, and/or water quality resource values. Upon a finding that any of these resource values are being adversely affected as a result of airplane landings, an ANILCA closure process would be considered in compliance with the procedures outlined in 43 CFR 36.11(h). New airstrips will not be authorized within the management zone.	Airplane landings will not be restricted. New airstrips will not be authorized.	All airplane landings will be prohibited, except for emergency operations. New airstrips will not be authorized.
Delta River Zone 5	OHVs are limited to designated trails from May 16th to October 15th or until such time that adequate snow cover or ground frost is present (at least 6" ground frost or 12" snow cover). Designated trails include the Top of the World Trail and Rainy Creek Trail. Snowmachines and OHVs may be used to travel cross country during periods of adequate snow cover.	OHVs must remain on designated OHV trails (Top of the World and Rainy Creek Trails) and will not be allowed to operate off designated trails for game retrieval, except during periods of adequate snow cover (at least 6 inches of frost or 12 inches of snow cover). OHVs will be limited to 2000 lbs. Gross Vehicle Weight (GVW). OHV restrictions apply to all users, including subsistence users (defined in ANILCA Section 811). Exceptions to the 2000 lb. GVW limitation may be granted for access to active mining claims via the Rainy Creek Trail and to subsistence users who obtain authorization from the BLM, Glennallen Field Office. Two unauthorized OHV trails at the confluence of Eureka Creek will be closed and rehabilitated.	Two OHV trails at the confluence of Eureka Creek will be open to OHV use and designated as OHV trails. OHVs will be allowed to travel off designated trails for game retrieval, and there will be no weight limits for OHV use.	No change from Alternative 2, except OHVs would be required to park out of sight of the river.
	Nonmotorized trails are dispersed and undeveloped.	Nonmotorized trails will remain dispersed and undeveloped. Additional nonmotorized trails may be designated in the future in the Eureka Creek drainage.	Same as Alternative 2	Nonmotorized trails will remain dispersed and undeveloped. No additional trails would be considered for future designation.
	No motorized boating limitations.	No restrictions on motorized boating.	Same as Alternative 2	All motorized boating will be limited to 65 horsepower motors and airboats and hovercraft will be prohibited.
	Airplane landings are prohibited, except for emergency operations. No new airstrips will be constructed.	Airplane landings will not be restricted. New airstrips will not be authorized.	Same as Alternative 2	All airplane landings will be prohibited, except for emergency operations. New airstrips will not be authorized.