Planning Issue	Existing Conditions	Preliminary Concept	Options
Overnight Use:			
Visitor Lodging	Hotel The Kettle Falls Hotel would continue to offer 11 hotel rooms for visitors, with shared restroom facilities. Guest Villas The 3 Guest Villas would continue to be combined in multiple ways to accommodate visitors with a total of 8-10 units: - 2 villas with 4 units (16 beds total) - 1 villa with 2 units (8 beds total). Camping No tent camping would occur within the Kettle Falls developed area.	 Hotel The Kettle Falls Hotel would offer 12 hotel rooms for visitors, with shared restroom facilities. Guest Villas The 3 Guest Villas would continue to be combined in multiple ways to accommodate visitors with a total of 10 units: - 2 villas with 4 units (16 beds total) - 1 villa with 2 units (8 beds total). Kettle Portage Primitive Campground - Construct a primitive tent campground (5 to 10 sites) with access to new/existing KF Trail network & with boat-in access. Location: Near current N16 Kettle Portage Campsite area at Airplane Bay). Key features of primitive tent campground include: - 2 larger sites (larger tent pad) - Up to 8 smaller sites - Fire ring (1 per site) - Tent pad (1-2 per site) - Yoult toilet(s) (1 per 5 sites, 750 gallon tank capacity) - Up to 2 additional docks (use existing finger docking to extent possible) - Accessible trail from the docks (similar to Kab group site) - Bear box (1 per site) - Thin trees for fire management and to clear space for camping sites. Use the existing NPS reservation system. 	 - and / or- Camper Cabins One cabin campground containing up to 4 structures, each of which should accommodate 4-6 people. Potential Locations: -Western point on land mass between Airplane Bay and Houseboat BayBack side of Rainy landing (east of spray field, near the point). Key features of camper cabin campground: - Cabin guests can get food and drink at hotel Vault toilets only. No water service, possibly a shared privy but no expectation of running water, or electricity Must be about 300 feet from shore in order for vault toilet to be pumped out, must have shore access Cabin design should be consistent with the "North-woods Feel" of the surrounding area Four season opportunity- hard-sided. Wood burning stove. Potentially similar to ISRO cabins Routes to the site must be well defined with walk-in access and a trail from the shoreline At least one fire pit, up to four fire pits, depending on the proximity of each site to the others One grill and one picnic table at each site. In both potential locations, combine need to thin trees for fire management with camping sites.

Concession Employee	Concession employee housing would continue to	Concession employee housing would be modified to	-or-
Employee Housing	occupy: Hotel 1-2 people in 1 "manager's room" and occupy 1 additional hotel room (1 bed). Guest Villas 2 units of a guest Villa (8 beds). Employee-only Villa 1 employee-only Villa (16 beds). One temporary recreational vehicle (RV) or camper (currently with 1 bed, 1 loft) would be shuttled out to Kettle Falls starting in summer 2019. The RV would be located near the employee villa/water treatment field. This RV is concession owned property. Company House The Company House would continue to house concession employees during the summer concession operating season; 3 rooms and 3 beds would continue to be available for this purpose.	occupy and NPS would construct: KF Hotel 1-2 people maximum in 1 "manager's room" only. (This allows 12 rooms to remain available for visitors.) (OPERATIONAL) Employee-only Villa 1 employee villa, to house 8 people maximum (2 per room, 4 rooms). - Couples or family appropriate - No carpet - Ability to dehumidify (OPERATIONAL) Common Living Area Build a central "common living area" building that includes a common kitchen and common shower area that serves all concession employees. Common Outdoor Space Designate and develop a common outdoor space that serves all concession employees. <i>Key features of outdoor space:</i> -Accommodate up to 22 people -Fire pit -Picnic tables -Seating space -Grill -Lawn for lawn games, hammocks (multipurpose lawn) -Screened-in area New Employee Housing Develop new concession employee housing for up to 20 people. NPS would build this housing. (Category 2 contract stipulates that the concessioner is responsible for cyclic maintenance (e.g. painting, flooring, etc.).)	Off-property housing Namakan side (north shore / south of the Kettle Falls property). Would require daily water shuttle service for employees.

	 Provide space for up to 8 bedrooms, each fitting 2 people. Dorm style; or pads for tiny houses; or a "man camp" layout would be appropriate. Building should have the ability to lock-up and secure personal belongings. No carpet. Ability to dehumidify. Provide golf cart access. Potential sites for new employee housing: Area southeast of spray fields (same ridgeline as existing employee villa). Area west of existing employee villa. Company House Not used for concessioner employee housing, and as a visitor contact station. (OPERATIONAL)	
Approach, Access, and Docking		

Houseboats	Namakan	Namakan	-or-
	Continue to allow up to 4 houseboats to rope off at the designated rock location for day-use only with no overnight uses allowed.	Designate up to 4 total dockings at Houseboat Bay. 2 overnight dockings (1 accessible, 1 other) at Namakan.	Namakan Utilize a mooring ball system. Houseboat would remain
	Rainy Continue to have no designated houseboat docking/houseboat anchoring areas.	Each site must be designed to allow reasonable egress from the boat and minimize resource damage.	at the mooring ball; with a runabout used to access dock at Kettle Falls.
	Houseboats may continue to tie off near/at the American Channel; this allows some informal	At least 1 site meets accessibility guidelines.	
	access for day-use only with no overnight use allowed.	Clearly indicate, with improved signage, that 2 sites are for day use only, and 2 sites may be used for overnight use or day use.	
	Surveyors Island Continue to have no designated houseboat sites, only informal day-use access.	Use existing NPS reservation system.	
		Rainy Designate up to 2 total houseboat mooring sites, with 1 being for overnight mooring at Rainy.	
		Each site must be designed to allow reasonable egress from the boat.	
		At least 1 site meets accessibility guidelines.	
		Clearly indicate, with improved signage, that 1 site is for day use only, and 1 site may be used for overnight use or day use.	
		Formalize the existing social trail that starts from the mooring site and follows the shoreline to the Rainy Lake docks.	
		Use existing NPS reservation system.	
		Rainy Lake Houseboat Mooring Mooring site near Surveyors Island would be formalized, and continue to be used for commercial houseboats. Day use only.	

Seaplanes	All Lakes Although all seaplanes would continue to use the Namakan Lake side for landings, fixed-wing aircraft (private and one commercial permit) would continue to be allowed on the four major lakes (per the 2002 GMP). Seaplanes would to continue to utilize open space	All Lakes Formalize seaplane use of existing docks.	-or- Namakan Basin Landing on Namakan Basin north of maintenance area; "Airplane Bay". Construct a seaplane dock facility here, if there is increased demand and more dockage is needed.
	on existing dockage.		
Docks	Complete current project proposal to repair docking systems at Kettle Falls existing - FY2021.	Complete current project proposal to repair docking systems at Kettle Falls existing - FY2021.	
	The total number of slips available would not increase.	The total number of slips available would increase to accommodate visitation.	
	Namakan Existing 6 docks which includes the NPS maintenance dock, would continue to accommodate 30 boats, with 24 for visitor parking and the remaining 6 for NPS maintenance docking.	Namakan Configure floating dock/ finger dock opportunity consistent with existing bulkhead / crib docks. Use only one bulkhead and then configure floating finger docks off of bulkhead. No new development.	
	Rainy Lake The 6 docks, plus the tour boat bulkhead, would	NPS maintenance dock retained, signed to clearly indicate for NPS use only (OPERATIONAL)	
	continue to accommodate 45 boats, of which 25 slips are for visitor boat parking. The remaining docks would continue to be reserved for concession operations including rental boats, gas dock area, and the villa's dock.	Rainy Lake Upgrade existing electric to marine-grade electric pedestals to allow charging at Rainy Lake docks.	
	Houseboats would continue to lack access and would continue to dock elsewhere and take a	Modify existing floating sections of docks to accommodate visitation.	
	runabout or skiff to visit Kettle Falls.	No new bulkheads; use 2 existing bulkheads to meet docking needs by only modifying floating dockage.	
	Guest Villa Docks The docks associated with the Villas would continue to be concession-only docks. The concessioner would continue to be required to maintain the docks to NPS standards.	Guest Villa Docks Upgrade or replace concession-built docks with docks built to NPS standards and utilizing marine grade equipment for electricity.	
		Utilize existing bulkheads at villas if possible/safe.	

Emergency Helicopter Landing Spot	There would continue to be no identified helicopter landing spot in or near Kettle Falls.	Rainy Lake Located in approximately the middle of the road to the Hotel, near Rainy beach. Trim vegetation and add a windsock. Would not develop formalized (concrete) landing pad.	-or- Namakan Near trading post store on Namakan side. Would not develop formalized landing pad. Trim vegetation and add a windsock. Would not develop formalized (concrete) landing pad.
Landscape Changes or Enhancements			
Clarify zoning, appropriate use, operational and visitor area definitions	The summer use management zone for Kettle Falls would continue to be "developed area - high density" as stated in the 2002 GMP. The winter use management zone for Kettle Falls would continue to be "developed area - motorized frozen lake area" as stated in the 2002 GMP. Concession assigned area(s) would continue as defined and managed by the concession contract. The Cultural Landscape Report would continue to complement the management zones of the GMP with some additional clarification for acceptable uses within those zones.	No changes to existing.	

Table 1. premin	iary concepts and ideas		
KF Hotel area landscaping / Day-use site enhancements	Social areas outside of the Kettle Falls Hotel would continue to include 2 picnic tables, a fire pit on the front lawn, and a volleyball net on the side lawn but would otherwise offer few defined social opportunities for visitors. Would continue to be an open grassy area with haphazard, undefined use. The Hotel area would continue to have undefined	Visitor Social Area(s) <u>Fire Ring</u> Developed fire ring and social area that can be used for interpretive programming opportunities. Located at the western edge of lawn (behind volleyball net). <u>Social Area</u> At least 50-feet away from building, at rear of hotel,	
	areas for concession employees to take breaks.	in lawn area. <u>Established Picnic Area(s)</u> Develop soft-scaped, established picnic area(s) with period-appropriate picnic tables and sufficient trash receptacles.	
		Lawn Games Use lower grassy area (where fire ring is currently) as a spot for lawn games. (OPERATIONAL) Employee Break Area	
		Use area near or behind the laundry building as a break area. (OPERATIONAL) Use building in annex (currently being used as	
		storage) as break room (OPERATIONAL). Screen off with vegetation or white fencing. Harden this area or maintain grassy look, but make ground resilient.	
		Designated Golf Cart Parking Designated golf cart parking east of the hotel (OPERATIONAL), may be located behind a gate or light shrubbery. Landscaping Overall improved landscaping is compatible with Cultural Landscape Report (CLR) recommendations.	
		Develop planting plan for whole yard (successional planting {i.e. ash tree}) through a separate process.	

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	Maintain rolling turf lawn with some exposed rock outcrops at Kettle Falls Hotel.	
	Retain volleyball. See CLR recommendations for other lawn-based activities.	
	Develop simple planting beds or shrub hedges around KFH using compatible plants; this could be used to disguise well-heads, other less attractive, administrative features.	
	Remove all modern (non-historic in appearance) lawn furnishings (OPERATIONAL).	
	Reduce footprint of looped road, and naturalize unneeded portion.	

Guest Villas area landscaping and exterior site improvements	Villas Recreational and social opportunities associated with the villas will continue to be undefined. Lower villas would continue to have an undefined exterior social use area with limited space.	Lower level villas Build decks at lower villas / accessible to the extent practicable (lower level of Villa is not accessible, but new deck would need to be). Deck could be on the back or side of Villa. Only two of the villas have lower units (Jesse's does not have a lower unit)	-or- Lower level villas Utilize existing developed space and social trails outside of Leaning Pine.
	Upper villas would continue to have a small exterior social use area.	Key features of decks at lower villas: - Decking to accommodate up to 8 guests with either 2 small 4-person decks or 1 larger 8-person	
	Viewshed Villas would continue to have hindered or blocked views.	deck. - Decks could be sited behind units or to the side of the unit - Decks should accommodate deck chairs, a small table, and grill.	
	Trails around villas All villas would continue to have informal (unimproved) pedestrian social trails to the lake. Villas would continue to be serviced by a designated cart path.	Upper level villas Improve picnic space and landscaping concept at upper villa areas; moving it away from the villa.	
	Bear Point Clearing (common social area to villas) One undeveloped communal fire pit would continue to be used by all villa guests, although it is primarily associated with the Bear Lake Villa.	 Key features of outdoor space at upper villas: Same treatment for all 3 Villas, but incorporate boulders at Leaning Pine into the landscape design. Remove smaller vegetation as needed. Dimensions: approx. 8 feet wide, and as long as the Villa. Level and hardened access to picnic area with at least 3 feet of clear space on all sides. Move grill away from roof overhang. Accommodate up to 8 guests in the upper villas with either 2 small 4-person picnic pads or 1 larger 8-person picnic pad. 	
		Viewshed Improve views to lake, as practicable / establish a viewshed from each villa to open up as practicable (Doubles as a fire break & defensible boundary) without removing substantial trees over a certain size (selective thinning, not a full scale clear-cut).	
		Trails around villas	

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		Use smaller vehicles (currently use Polaris that spills over the trail, damages timbers) to reduce trail damage.	
		Formalize trails from villa docks to villas.	
		Establish more defined trail system by reducing current braiding, revegetate unnecessary loops.	
		Better define trail usage and set widths for: golf cart roads, utility vehicle roads, walking only.	
		Make a one-way trail to villas.	
		Retain timbers, level off and revegetate trails that will be decommissioned.	
		All external spaces and landscaping tie into trail system.	
		Level off the area between timbers and recreational space (picnic areas).	
		Formalize trail out to Bear Point (by hardening existing social trail or historical trail).	
		Bear Point Clearing (common social area to villas) This area along the shore would be used as larger, formalized social gathering area.	
		Use existing fire pit, consider hardening area (timbers bounding area with crusher fines) around fire pit to reduce erosion and compaction.	
		Use existing picnic table (OPERATIONAL).	
		Add log benches for seating (OPERATIONAL).	
		Allow use as a wedding site by special use permit (OPERATIONAL).	

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		Add signage to indicate Bear Point social area (OPERATIONAL).	
		Ensure archeological site is avoided.	
Namakan Lake: day-use site enhancements	The Namakan Lake side would continue to offer a defined day-use area with a picnic area, dock, vault toilet and fire ring.	Visitors would continue to have access to a Trading Post, fueling station, concession-based canoes and kayak rentals.	
	The Trading Post would continue to offer limited seating in front of the building.	Also on the Namakan Lake side, the Damtenders Cabin is scheduled for future improvements - <i>noted</i> <i>below</i> .	
	Visitors would continue to have access to a fueling station, concession-based canoes and kayak rentals. Also on the Namakan Lake side, the Damtenders Cabin is scheduled for future improvements - <i>noted below</i> .	Welcome Area Establish a visitor gathering space or "node" at Namakan Landing Trading Post with shade and benches, and a picnic area. Orientation of the welcoming "node" is directed toward the Trading Post.	
		Enhance the sense of arrival at the tour boat landing by providing a new NPS sign, shaded seating, and wayfinding information.	
		Relocate trails, picnic tables, kiosks, and new development off of any identified archeological resources.	
		Golf Carts Establish golf cart parking area near Trading Post. (OPERATIONAL)	
		Establish clear indications of where golf carts can drive.	

Rainy Lake: day- use site enhancements	Rainy Lake would continue to offer a fueling station, vault toilet, and concession-based canoes and kayaks rentals.	Retain existing condition, plus: Welcome Areas Marina Install an updated NPS sign to celebrate a sense of arrival and provide better wayfinding from the marina to other important site amenities (OPERATIONAL). Consider formalizing the picnic area currently in place. Tour Boat Landing Install an updated NPS sign to celebrate a sense of arrival and provide better wayfinding from the marina to other important site amenities (OPERATIONAL).	
Restrooms (Comfort Stations)	Kettle Falls would retain the current number and locations of restrooms.	Hotel area Abandon restroom inside bar. Repurpose "generator shed" behind Hotel into an accessible restroom to be used by all visitors. Namakan Landing area Relocate the restroom that is currently behind the Company House. -Location TBD. - Provide an accessible route to the new restroom location. - Retain historic character. - Do not site in area where archeological resources would be disturbed.	
Dam Overlook	Complete current project proposal to rehabilitate the Kettle Falls Overlook Viewing Platform Area. Continue to provide access for dam owner/operator, including for motorized equipment uses (e.g. John Deere gator, portable welder, cherry picker).	Retain existing conditions, plus: Add outdoor recreation access route, north of existing trail, for pedestrian use up to viewing area.	

Damtender Cabin	Complete current project proposal to Damtender's cabin would be stabilized. Including: - Replace or repair rotting logs - Replace or repair roofing - Replace foundation - Treatment for insects	Retain existing conditions, plus: See GMP guidance for use of interior space and interpretation. Selective clear vegetation to open up view of Damtender Cabin from water.	
Company House and area	The park would continue to receive special use permit revenue for renting the Company House during summer months to concession staff and in winter months to Dam employees. The Company House would continue to serve as a winter safety backup for staff.	 Develop a detailed interpretation plan for the Company House (separate process). Develop a landscaping plan for the Company House (separate process) that includes appropriate lawn furniture and vegetation. Summer Use Overnight housing for volunteer or NPS staff. 1 room for volunteers. 2 rooms for NPS maintenance or law enforcement. Establish as an interpretive location (panels of information) - a more detailed interpretive wayside plan for site should guide this. Establish as a visitor contact station during summer months (for book sales, visitor information, etc.) Would need to be temporary or removable, as dam tenders will occupy house during winter. Accessible to all visitors. Winter Use Overnight housing for dam tenders.	
Circulation and Accessibility			

Accessibility enhancements	Accessible options would continue to be available throughout Kettle Falls: - Ramp onto hotel veranda. - Lifts (by request) at the Rainy and Namakan docks; - Egress to and interior of upper Villas; - Most vault toilet interiors on Namakan side; - Vault restroom near dock on Rainy is accessible - Dam Overlook renovation would include accessibility enhancements at the overlook.	Retain existing conditions, plus: Accessible elements would be incorporated into all new construction projects as practicable, including trails. Maintain existing ramp up to hotel veranda. Offer bar service on veranda. (OPERATIONAL)	
Signage and wayfinding	Existing signage will remain and would be updated as it becomes outdated or damaged.	 Namakan Install wayfinding signs for visitors arriving from Namakan visitor dock or maintenance dock area to navigate the multiple destinations at Kettle Falls. Move Namakan welcome kiosk off of archeological site, closer to Trading Post. Rainy Move Rainy Lake welcome kiosk closer to marina. Trails Install standard trail wayfinding signs along entirety of trail network (e.g. at every intersection).	

Trails and roads	Complete current project proposal to rehabilitate Kettle Falls Hiking Trails.	Complete current project proposal to rehabilitate Kettle Falls Hiking Trails, plus:	- and —
	Generally, trails, cart paths, and designated roads would continue with existing layout, allowing for ongoing maintenance.	Local Kettle Falls trail system: Develop approximately a 4-mile trail network to Rainy Lake houseboat mooring site (near Surveyor's Island) and to the Kettle Falls tent campground, connecting back to Kettle Falls Hotel area.	Kettle Falls to Beast Lake Beast Trail conceptual level (corridor) alignment.
		Trail from Namakan Houseboat Mooring Sites: Formalize trail from Houseboat Bay mooring sites to Namakan Landing area.	
		Trail to Rainy Landing Houseboat Mooring Sites: Develop trail from houseboat mooring sites Rainy Landing area.	
		 Key features of all trails and outdoor recreation access routes: Ensure all outdoor recreation routes and trails are developed to ABA outdoor recreation facility guidelines, to the extent practicable. Maximum width of 64-inches to accommodate light-duty vehicles such as "gators" or golf carts; or replace wider vehicles with narrower vehicles. Pedestrian use only; except for light-duty vehicles such as "gators" or golf carts. 	
		Roads and Shared-Use Paths Ensure roads and paths, are developed or maintained to acceptable guidelines. Pedestrian and motorized uses are acceptable on roads and paths, except as noted.	
		 Portage Road (historic): gravel or dirt surfacing; maximum 10 feet wide. Maintain road in current location. Pedestrians and all vehicle types permitted. 	
		 - KF Hotel Road (historic): gravel surfacing; maximum feet wide to be confirmed; maintain a slight crown for drainage. Maintain road in current 	

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		location. Pedestrians and all vehicle types permitted.	
		 Maintenance Roads: gravel or dirt surfacing; maximum 12-feet wide; raised edging to maintain width where needed. Pedestrians and all vehicle types permitted. 	
		- Pathways: gravel or dirt surfacing; maximum 64- inches wide; raised edging to maintain width where needed. Pedestrian and light-duty utility vehicles such as "gators" or golf carts are acceptable; full- size vehicles not permitted.	
		Key features of all roads and pathways: - Most KF roads classified as Class IV: Primitive Park Road due to KFs location in a remote or primitive area. (NPS Park Road Standards, p4) - Some KF roads could be classified as Class V or VI: Administrative Park Road due to the primary use by employees. (NPS Park Road Standards, p4) - A number of park roads and parkways, or structures on them (e.g. bridges, walls and overlooks) are historic in themselves, and are in some instances may be listed on the National Register or a part of a historic landscape. Preservation or restoration may be the only option for such historic roadways or structures. (NPS Park Road Standards, page 35)	
Interpretation	Scheduled boat tours would continue to receive interpretive materials and ranger-led talks; however, interpretation on-site would continue to be limited non-personal signage (2 kiosks).	Develop a detailed interpretive plan, to include the Company House (<i>separate process, previously</i> <i>mentioned</i>).	