

FISCAL YEAR 2021 Watershed Improvement and Restoration, Sustainable Recreation	Current Status	Associated Documents	List Field Surveys Required	Timeframe for Surveys to be Completed	Follow-up Treatments Required:	Funded	Activity Leader	Line Officer
Stream Restoration								
1. Nahania Creek Restoration	Completed in 2021	Workshop Presentation	Completed	Completed	Monitoring Surveys	Yes	Ellyn Rickels	District Ranger and Deputy District Ranger
Fish Crossings/Aquatic Organism Passage (AOPs)								
1. Red Pipe Replacement and AOP on Rd 2050000 MP 19.51	Design complete; implementation in 2022.	AOP Spreadsheet, Fish Barrier Culverts Map	Completed	Completed	N/A	Yes	Andrew Sanders	District Ranger and Deputy District Ranger
2. AOP 2050400 MP 4.49	Design complete; implementation in 2023.	AOP Spreadsheet, Fish Barrier Culverts Map	Soils, botany, heritage	2021-2023	N/A	No	Andrew Sanders	District Ranger and Deputy District Ranger
3. AOP 3036000 MP 0.27	Completed in 2021.	AOP Spreadsheet, Fish Barrier Culverts Map	Complete	Completed	N/A	Yes	Andrew Sanders	District Ranger and Deputy District Ranger
4. AOP 2100000 MP 5.71	Completed in 2021.	AOP Spreadsheet, Fish Barrier Culverts Map	Complete	Completed	N/A	Yes	Andrew Sanders	District Ranger and Deputy District Ranger
5. AOP 2051000 MP 1.42	Design complete; implementation in 2022.	AOP Spreadsheet, Fish Barrier Culverts Map	Complete	Completed	N/A	No	Andrew Sanders	District Ranger and Deputy District Ranger
6. AOP 2050000 MP 22.23	Design complete; implementation in 2022.	AOP Spreadsheet, Fish Barrier Culverts Map	Complete	2021-2023	N/A	Yes	Andrew Sanders	District Ranger and Deputy District Ranger
Invasive Species Management								
1. Japanese knotweed (polygonum cuspidatum) along Twelvemile Arm	Completed 1.25 acres manual treatment of knotweed in 2021.	Public workshop maps and treatment plan	Complete	Completed	Yes	Yes	Valeria Cancino	District Ranger and Deputy District Ranger
2. Canada Thistle (Cirsium arvense) and Perennial Sowthistle (Sonchus arvensis) along Rd 2340000	Completed 4.7 acres manual treatment of bull thistle and Canada thistle in 2021.	Public workshop maps and treatment plan	Complete	Completed	Yes	Yes	Valeria Cancino	District Ranger and Deputy District Ranger
3. Canada Thistle (Cirsium arvense), bull thistle (Cirsium vulgare), and perennial sowthistle (Sonchus arvensis) near intersection of East POW Rd and Coffman Cove Rd	Completed 3 acres manual treatment bull thistle, Canada thistle, and perennial sowthistle in 2021.	Public workshop maps and treatment plan	Complete	Completed	Yes	Yes	Valeria Cancino	District Ranger and Deputy District Ranger
4. Bull Thistle (Cirsium vulgare) and Canada thistle (Cirsium arvense) near intersection of RD 203000W and Big Salt – Thorne Bay Rd	Completed 0.5 acres manual treatment of Canada thistle and bull thistle in 2021.	Public workshop maps and treatment plan	Complete	Completed	Yes	Yes	Valeria Cancino	District Ranger and Deputy District Ranger
5. Bull thistle (Cirsium vulgare) along Coffman Cove Road	Completed 4.7 acres manual treatment of bull thistle in 2021.	Public workshop maps and treatment plan	Complete	Completed	Yes	Yes	Valeria Cancino	District Ranger and Deputy District Ranger
6. Bull Thistle (Cirsium vulgare) along Federal Way (RD 3000134)	Completed 1 acre manual treatment of bull thistle in 2021.	Public workshop maps and treatment plan	Complete	Completed	Yes	Yes	Valeria Cancino	District Ranger and Deputy District Ranger
Sustainable Recreation								
1. Sunnahae trail reconstruction	Completed Draft Design in 2021; final design and implementation in 2022	Public workshop map and presentation	Landscape Architect to do final design, others complete	2021	N/A	Yes, GAOA	Recreation Staff	District Ranger and Deputy District Ranger
2. Harris River Campground and Picnic area vault toilet replacement	Draft design, implementation planned for 2022	Public workshop map and presentation	Complete	Completed	N/A	Yes, GAOA	Recreation Staff	District Ranger and Deputy District Ranger
3. Sarkar Canoe Route and Cabin enhancements	Completed Draft Plan in 2021; final draft and implementation in 2022	Public workshop map and presentation	Heritage, Soils	Survey in May, work in August	N/A	Yes	Recreation Staff	District Ranger and Deputy District Ranger

FISCAL YEAR 2021 Watershed Improvement and Restoration, Sustainable Recreation	Current Status	Associated Documents	List Field Surveys Required	Timeframe for Surveys to be Completed	Follow-up Treatments Required:	Funded	Activity Leader	Line Officer
4. El Cap Recreation Area enhancements	Design in progress 2021, Trail to cave reconstruction and admin cabin improvements 2022, campground improvements and cabin construction 2024, boat launch improvements 2023	Public workshop map and presentation	All resource area surveys needed for the trail	2021	N/A	Yes, GAOA	Recreation Staff	District Ranger and Deputy District Ranger
5. Twelve Mile Arm Cabin vault toilet installation	Planning and design in 2021, with 2022 construction planned, pending funding	Previous workshop poster	Soils, transportation, botany	2021	N/A	No	Recreation Staff	District Ranger and Deputy District Ranger
6. Canoe Point	Contract Awarded; completed in 2021	Recreation Public Workshop Poster	All surveys complete	Completed	No	Yes	Recreation Staff	District Ranger and Deputy District Ranger
7. Subalpine Snow Machine Trails	Planning in 2021; possible implementation beginning in 2022/2023.	Workshop maps and presentation	All resource surveys needed for access points	2021-2022	N/A	No	Mike Sheets	District Ranger and Deputy District Ranger

FISCAL YEAR 2022 Watershed Improvement and Restoration, Sustainable Recreation	Current Status	Associated Documents	List Field Surveys Required	Timeframe for Surveys to be Completed	Follow-up Treatments Required:	Funded	Activity Leader	Line Officer
Stream Restoration								
1. Nahania Creek Restoration	Monitoring surveys only	Workshop Presentation	Completed	Completed	Post-implementation monitoring surveys	Yes	Ellyn Rickels	District Ranger and Deputy District Ranger
2. Shaheen NF1 Restoration	Draft designs complete; possible implementation in 2022	Shaheen Design Maps, Workshop presentation	Botany/Invasives, Engineering, Karst, Silviculture, Soils, Wildlife	2022	Post-implementation monitoring surveys	No	Ellyn Rickels	District Ranger and Deputy District Ranger
3. Shaheen SF2 Restoration	Draft designs complete; possible implementation in 2022	Shaheen Design Maps, Workshop presentation	Botany/Invasives, Engineering, Karst, Silviculture, Soils, Wildlife	2022	Post-implementation monitoring surveys	No	Ellyn Rickels	District Ranger and Deputy District Ranger
Fish Crossings/Aquatic Organism Passage (AOPs)								
1. AOP 2050000 MP 19.51	Design Complete; implementation in 2022	AOP Spreadsheet, Fish Barrier Culverts Map	Completed	Completed	N/A	Yes	Andrew Sanders	District Ranger and Deputy District Ranger
2. AOP 2050000 MP 22.23	Design Complete; implementation in 2022	AOP Spreadsheet, Fish Barrier Culverts Map	Completed	Completed	N/A	Yes	Andrew Sanders	District Ranger and Deputy District Ranger
3. AOP 2051000 MP 1.42	Design Complete; implementation in 2022	AOP Spreadsheet, Fish Barrier Culverts Map	Completed	Completed	N/A	No	Andrew Sanders	District Ranger and Deputy District Ranger
4. AOP 2100000 MP 12.53	Design Complete; implementation in 2022	AOP Spreadsheet, Fish Barrier Culverts Map	Complete	Completed	N/A	Yes	Andrew Sanders	District Ranger and Deputy District Ranger
5. AOP 2050000 MP 86.646	Design complete; possible implementation in 2022	AOP Spreadsheet, Fish Barrier Culverts Map	Soils, botany, heritage	Completed	N/A	Yes	Andrew Sanders	District Ranger and Deputy District Ranger
Invasive Species Management								
1. Japanese knotweed (<i>polygonum cuspidatum</i>) along Twelvemile Arm	Draft - Est. 1.25 acres proposed manual treatment, possibly supplmeneted by chemical treatment, weather dependent. Size of area dependent upon conditions.	Public workshop maps and treatment plan	Complete	Completed	Yes	Yes	Valeria Cancino	District Ranger and Deputy District Ranger
2. Canada Thistle (<i>Cirsium arvense</i>) and Perennial Sowthistle (<i>Sonchus arvensis</i>) along Rd 2340000	Draft - Est. 3.5 acres proposed manual treatment, possibly supplmeneted by chemical treatment, weather dependent. Size of area dependent upon conditions.	Public workshop maps and treatment plan	Complete	Completed	Yes	Yes	Valeria Cancino	District Ranger and Deputy District Ranger
3. Canada Thistle (<i>Cirsium arvense</i>) along Craig-Klawock-Hollis Road	Draft - Est 7 acres proposed manual treatment, possibly supplmeneted by chemical treatment, weather dependent. Size of area dependent upon conditions.	Public workshop maps and treatment plan	Complete	Completed	Yes	Yes	Valeria Cancino	District Ranger and Deputy District Ranger
4. Canada Thistle (<i>Cirsium arvense</i>), bull thistle (<i>Cirsium vulgare</i>), and perennial sowthistle (<i>Sonchus arvensis</i>) near intersection of East POW Rd and Coffman Cove Rd	Draft - Est 4.9 acres proposed manual treatment, possibly supplmeneted by chemical treatment, weather dependent. Size of area dependent upon conditions.	Public workshop maps and treatment plan	Complete	Completed	Yes	Yes	Valeria Cancino	District Ranger and Deputy District Ranger
5. Bull Thistle (<i>Cirsium vulgare</i>) and Canada thistle (<i>Cirsium arvense</i>) near intersection of RD 203000W and Big Salt – Thorne Bay Rd	Draft - Est.11.9 acres proposed manual treatment, possibly supplmeneted by chemical treatment, weather dependent. Size of area dependent upon conditions.	Public workshop maps and treatment plan	Complete	Completed	Yes	Yes	Valeria Cancino	District Ranger and Deputy District Ranger
6. Bull thistle (<i>Cirsium vulgare</i>) along Coffman Cove Road	Draft - Est. 23.4 acres proposed manual treatment, possibly supplmeneted by	Public workshop maps and treatment plan	Complete	Completed	Yes	Yes	Valeria Cancino	District Ranger and Deputy District Ranger

FISCAL YEAR 2022 Watershed Improvement and Restoration, Sustainable Recreation	Current Status	Associated Documents	List Field Surveys Required	Timeframe for Surveys to be Completed	Follow-up Treatments Required:	Funded	Activity Leader	Line Officer
	chemical treatment, weather dependent. Size of area dependent upon conditions.							
7. Bull Thistle (<i>Cirsium vulgare</i>) along Federal Way (RD 3000134)	Draft - Est. 1 acre proposed manual treatment, possibly supplimented by chemical treatment, weather dependent	Public workshop maps and treatment plan	Complete	Completed	Yes	Yes	Valeria Cancino	District Ranger and Deputy District Ranger
8. Sweetclover (<i>Melilotus albus</i> , <i>Melilotus officinalis</i>) along Coffman Cove Road	Draft - 13.2 acres proposed manual treatment, possibly supplimented by chemical treatment, weather dependent	Public workshop maps and treatment plan	Wildlife, Fisheries, Hydrology, Soils, Geology, Archaeology, Recreation	2022	yes	yes	Valeria Cancino	District Ranger and Deputy District Ranger
9. Sweetclover (<i>Melilotus albus</i> , <i>Melilotus officinalis</i>) along Big Salt – Thorne Bay Road	Draft - 1.9 acres proposed manual treatment, possibly supplimented by chemical treatment, weather dependent	Public workshop maps and treatment plan	Wildlife, Fisheries, Hydrology, Soils, Geology, Archaeology, Recreation	2022	yes	yes	Valeria Cancino	District Ranger and Deputy District Ranger
Sustainable Recreation								
1. Sunnahae trail reconstruction	Final design and construction in 2022.	Public workshop map and presentation	Landscape Architect to do final design, others complete	2021 - 2022	N/A	Yes, GAOA	Recreation Staff	District Ranger and Deputy District Ranger
2. Harris River Campground and Picnic area vault toilet repair	Probable implementation in 2022.	Public workshop map and presentation	Complete	Completed	N/A	Yes, GAOA	Recreation Staff	District Ranger and Deputy District Ranger
3. Sarkar Canoe Route and Cabin enhancements	Construction in 2022.	Public workshop map and presentation	Complete	Survey in May, work in August	N/A	Yes	Recreation Staff	District Ranger and Deputy District Ranger
4. El Cap Recreation Area enhancements	Trail to cave reconstruction and admin cabin improvements 2022, campground improvements and cabin construction 2023, boat launch improvements 2024.	Public workshop map and presentation	Complete	2021-2022	N/A	Yes, GAOA	Recreation Staff	District Ranger and Deputy District Ranger
5. Twelve Mile Arm Cabin vault toilet installation	Draft design.	Previous workshop poster	Soils, transportation, botany, and potentially others	2022	N/A	No	Recreation Staff	District Ranger and Deputy District Ranger
6. Subalpine Snow Machine Trails	Planning and survey; possible implementation beginning in 2022 or 2023.	Workshop maps and presentation	All resource surveys needed for access points	2021-2022	N/A	No	Mike Sheets	District Ranger and Deputy District Ranger
7. Mooring Buoy Repair/replacements (GAOA)	Potential implementation in 2022; depending on funding, may be delayed to 2023.	Workshop maps and presentation	N/A	2022	N/A	GAOA Pending	Recreation Staff	District Ranger and Deputy District Ranger
8. Karta River Trail reconstruction and cabin improvements	Begin implementation; completion expected in 2023.		Pending	Pending	Pending	Resubmitting for GAOA FY2023	Recreation Staff	District Ranger and Deputy District Ranger
9. Beaver Falls Trail reconstruction	Draft design and survey work.		Pending	Pending	Pending	No	Recreation Staff	District Ranger and Deputy District Ranger

FISCAL YEARS 2023-2025 Watershed Improvement and Restoration	Status	Associated Documents	List Field Surveys Required	Timeframe for Surveys to be Completed	Follow-up Treatments Required:	Funded	Activity Leader	Line Officer	Estimated Implementation Dates
Stream Restoration									
1. Nahania Creek Restoration	Monitoring surveys only	Workshop Presentation	Completed	Completed	Post-implementation monitoring surveys	No	Ellyn Rickels	District Ranger and Deputy District Ranger	Ongoing
2. Shaheen NF1 Restoration	Draft designs complete	Shaheen Design Maps, Workshop presentation	Botany/Invasives, Engineering, Karst, Silviculture, Soils, Wildlife	2022	Post-implementation monitoring surveys	No	Ellyn Rickels	District Ranger and Deputy District Ranger	2023-Ongoing
3. Shaheen SF2 Restoration	Draft designs complete	Shaheen Design Maps, Workshop presentation	Botany/Invasives, Engineering, Karst, Silviculture, Soils, Wildlife	2022	Post-implementation monitoring surveys	No	Ellyn Rickels	District Ranger and Deputy District Ranger	2023-Ongoing
4. Shaheen MS1 Restoration	Preliminary designs complete	Shaheen Design Maps, workshop presentation	Botany/Invasives, Engineering, Karst, Silviculture, Soils, Wildlife	2022	Reassess following storms, redesign if needed	No	Ellyn Rickels	District Ranger and Deputy District Ranger	2023-2024
5. Shaheen MS3 Restoration	Preliminary designs complete	Shaheen Design Maps, workshop presentation	Botany/Invasives, Engineering, Karst, Silviculture, Soils, Wildlife	2022	Reassess following storms, redesign if needed	No	Ellyn Rickels	District Ranger and Deputy District Ranger	2023-2024
6. Shaheen MS4 Restoration	Preliminary designs complete	Shaheen Design Maps, workshop presentation	Botany/Invasives, Engineering, Karst, Silviculture, Soils, Wildlife	2022	Reassess following storms, redesign if needed	No	Ellyn Rickels	District Ranger and Deputy District Ranger	2023-2024
7. Shaheen SF1 Restoration	Preliminary designs complete	Shaheen Design Maps, workshop presentation	Botany/Invasives, Engineering, Karst, Silviculture, Soils, Wildlife	2022	Reassess following storms, redesign if needed	No	Ellyn Rickels	District Ranger and Deputy District Ranger	2023-2024
8. Shaheen SF3 Restoration	Preliminary designs complete	Shaheen Design Maps, workshop presentation	Botany/Invasives, Engineering, Karst, Silviculture, Soils, Wildlife	2022	Reassess following storms, redesign if needed	No	Ellyn Rickels	District Ranger and Deputy District Ranger	2023-2024
9. Shaheen SF4 Restoration	Preliminary designs complete	Shaheen Design Maps, workshop presentation	Botany/Invasives, Engineering, Karst, Silviculture, Soils, Wildlife	2022	Reassess following storms, redesign if needed	No	Ellyn Rickels	District Ranger and Deputy District Ranger	2023-2024
10. Flicker Creek Restoration	Postponed indefinitely	North POW Restoration Locations Map	Soils, Botany, Heritage	Not Planned	N/A	No	Ellyn Rickels	District Ranger and Deputy District Ranger	N/A
11. Buster Creek Restoration	Postponed indefinitely	North POW Restoration Locations Map	Soils, Botany, Heritage	Not Planned	N/A	No	Ellyn Rickels	District Ranger and Deputy District Ranger	N/A
Fish Crossings/Aquatic Organism Passage (AOPs)									
1. AOP 2050000 MP 86.646	Implementation, if not completed in 2022	AOP Spreadsheet, Fish Barrier Culverts Map	Soils, botany, heritage	Completed	N/A	Yes	Andrew Sanders	District Ranger and Deputy District Ranger	
2. AOP 3030110 MP 0.28	Design Complete	AOP Spreadsheet, Fish Barrier Culverts Map	Soils, botany, heritage	2021-2023	N/A	No	Andrew Sanders	District Ranger and Deputy District Ranger	2023-2024
3. AOP 2120000 MP 9.58	Design Complete	AOP Spreadsheet, Fish Barrier Culverts Map	Soils, botany, heritage	2021-2023	N/A	No	Andrew Sanders	District Ranger and Deputy District Ranger	2023-2024
4. AOP 2120000 MP 10.26	Design Complete	AOP Spreadsheet, Fish Barrier Culverts Map	Soils, botany, heritage	2021-2023	N/A	No	Andrew Sanders	District Ranger and Deputy District Ranger	2023-2024
5. AOP 3000000 MP 21.37	Design Complete	AOP Spreadsheet, Fish Barrier Culverts Map	Soils, botany, heritage	2021-2023	N/A	No	Andrew Sanders	District Ranger and Deputy District Ranger	2023-2024
6. AOP 3030700 MP 3.88	Design Complete	AOP Spreadsheet, Fish Barrier Culverts Map	Soils, botany, heritage	2021-2023	N/A	No	Andrew Sanders	District Ranger and Deputy District Ranger	2023-2024

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7. AOP 2056000 MP 0.66	Design Complete	AOP Spreadsheet, Fish Barrier Culverts Map	Soils, botany, heritage	2021-2023	N/A	No	Andrew Sanders	District Ranger and Deputy District Ranger	2023-2024
8. AOP 2050000 MP 14.69	Design Complete	AOP Spreadsheet, Fish Barrier Culverts Map	Soils, botany, heritage	2021-2023	N/A	No	Andrew Sanders	District Ranger and Deputy District Ranger	2023-2024
9. AOP 2059300 MP 1.12	Design Complete	AOP Spreadsheet, Fish Barrier Culverts Map	Soils, botany, heritage	2021-2023	N/A	No	Andrew Sanders	District Ranger and Deputy District Ranger	2023-2024
10. AOP 2050400 MP 0.16	Design Complete	AOP Spreadsheet, Fish Barrier Culverts Map	Soils, botany, heritage	2021-2023	N/A	No	Andrew Sanders	District Ranger and Deputy District Ranger	2023-2024
11. AOP 2050400 MP 0.56	Design Complete	AOP Spreadsheet, Fish Barrier Culverts Map	Soils, botany, heritage	2021-2023	N/A	No	Andrew Sanders	District Ranger and Deputy District Ranger	2023-2024
12. AOP 2050050 MP 3.72	Design Complete	AOP Spreadsheet, Fish Barrier Culverts Map	Soils, botany, heritage	2021-2023	N/A	No	Andrew Sanders	District Ranger and Deputy District Ranger	2023-2024
13. AOP 2050000 MP 19.19	Design Complete	AOP Spreadsheet, Fish Barrier Culverts Map	Soils, botany, heritage	2021-2023	N/A	No	Andrew Sanders	District Ranger and Deputy District Ranger	2023-2024
14. AOP 2030790 MP 1.08	Design Complete	AOP Spreadsheet, Fish Barrier Culverts Map	Soils, botany, heritage	2021-2023	N/A	No	Andrew Sanders	District Ranger and Deputy District Ranger	2023-2024
15. AOP 2025000 MP 0.72	Design Complete	AOP Spreadsheet, Fish Barrier Culverts Map	Soils, botany, heritage	2021-2023	N/A	No	Andrew Sanders	District Ranger and Deputy District Ranger	2023-2024
16. 25000 MP 2.679	Design Complete	AOP Spreadsheet, Fish Barrier Culverts Map	Soils, botany, heritage	2021-2023	N/A	No	Andrew Sanders	District Ranger and Deputy District Ranger	2023-2024
17. 1525000 MP 3.4	Design Complete	AOP Spreadsheet, Fish Barrier Culverts Map	Soils, botany, heritage	2021-2023	N/A	No	Andrew Sanders	District Ranger and Deputy District Ranger	2023-2024
18. 2050000 MP 10.36	Design Complete	AOP Spreadsheet, Fish Barrier Culverts Map	Soils, botany, heritage	2021-2023	N/A	No	Andrew Sanders	District Ranger and Deputy District Ranger	2023-2024
19. 2050300 MP 4.67	Design Complete	AOP Spreadsheet, Fish Barrier Culverts Map	Soils, botany, heritage	2021-2023	N/A	No	Andrew Sanders	District Ranger and Deputy District Ranger	2023-2024
20. 2050400 MP 4.49	Design Complete	AOP Spreadsheet, Fish Barrier Culverts Map	Soils, botany, heritage	2021-2023	N/A	No	Andrew Sanders	District Ranger and Deputy District Ranger	2023-2024
Invasive Species Management									
1. Japanese knotweed (polygonum cuspidatum) along Twelvemile Arm	Monitoring; possible manual and chemical treatment. Area dependent upon conditions.	Public workshop maps and treatment plan	Complete	Completed	Monitoring/possible treatment	No	Valeria Cancino	District Ranger and Deputy District Ranger	Ongoing
2. Canada Thistle (Cirsium arvense) and Perennial Sowthistle (Sonchus arvensis) along Rd 2340000	Monitoring; possible manual and chemical treatment. Area dependent upon conditions.	Public workshop maps and treatment plan	Complete	Completed	Monitoring/possible treatment	No	Valeria Cancino	District Ranger and Deputy District Ranger	Ongoing
3. Canada Thistle (Cirsium arvense) along Craig-Klawock-Hollis Road	Monitoring; possible manual and chemical	Public workshop maps and treatment plan	Complete	Completed	Monitoring/possible treatment	No	Valeria Cancino	District Ranger and Deputy District Ranger	Ongoing

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	treatment. Area dependent upon conditions.								
4. Canada Thistle (<i>Cirsium arvense</i>), bull thistle (<i>Cirsium vulgare</i>), and perennial sowthistle (<i>Sonchus arvensis</i>) near intersection of East POW Rd and Coffman Cove Rd	Monitoring; possible manual and chemical treatment. Area dependent upon conditions.	Public workshop maps and treatment plan	Complete	Completed	Monitoring/possible treatment	No	Valeria Cancino	District Ranger and Deputy District Ranger	Ongoing
5. Bull Thistle (<i>Cirsium vulgare</i>) and Canada thistle (<i>Cirsium arvense</i>) near intersection of RD 203000W and Big Salt – Thorne Bay Rd	Monitoring; possible manual and chemical treatment. Area dependent upon conditions.	Public workshop maps and treatment plan	Complete	Completed	Monitoring/possible treatment	No	Valeria Cancino	District Ranger and Deputy District Ranger	Ongoing
6. Bull thistle (<i>Cirsium vulgare</i>) along Coffman Cove Road	Monitoring; possible manual and chemical treatment. Area dependent upon conditions.	Public workshop maps and treatment plan	Complete	Completed	Monitoring/possible treatment	No	Valeria Cancino	District Ranger and Deputy District Ranger	Ongoing
7. Bull Thistle (<i>Cirsium vulgare</i>) along Federal Way (RD 3000134)	Monitoring; possible manual and chemical treatment. Area dependent upon conditions.	Public workshop maps and treatment plan	Complete	Completed	Monitoring/possible treatment	No	Valeria Cancino	District Ranger and Deputy District Ranger	Ongoing
8. Sweetclover (<i>Melilotus albus</i> , <i>Melilotus officinalis</i>) along Coffman Cove Road	Monitoring; possible manual and chemical treatment. Area dependent upon conditions.	Public workshop maps and treatment plan	Wildlife, Fisheries, Hydrology, Soils, Geology, Archaeology, Recreation	2022	Yes	No	Valeria Cancino	District Ranger and Deputy District Ranger	Ongoing
9. Sweetclover (<i>Melilotus albus</i> , <i>Melilotus officinalis</i>) along Big Salt – Thorne Bay Road	Monitoring; possible manual and chemical treatment. Area dependent upon conditions.	Public workshop maps and treatment plan	Wildlife, Fisheries, Hydrology, Soils, Geology, Archaeology, Recreation	2022	Yes	No	Valeria Cancino	District Ranger and Deputy District Ranger	Ongoing
10. Spotted Knapweed (<i>Centaurea stoebe</i> ssp. <i>micranthos</i>) along North Twin Road (2050600)	Draft		Wildlife, Fisheries, Hydrology, Soils, Geology, Archaeology, Recreation	2021-2023	Ongoing	No	Valeria Cancino	District Ranger and Deputy District Ranger	2023 - ongoing
11. Spotted Knapweed (<i>Centaurea stoebe</i> ssp. <i>micranthos</i>) near intersection of RD 2000652, Long Lake, and FH43	Draft		Wildlife, Fisheries, Hydrology, Soils, Geology, Archaeology, Recreation	2021-2023	Chemical – closed road	No	Valeria Cancino	District Ranger and Deputy District Ranger	2023 - ongoing
12. Spotted Knapweed (<i>Centaurea stoebe</i> ssp. <i>micranthos</i>) along Bay Lake Rd (300000N)	Draft		Wildlife, Fisheries, Hydrology, Soils, Geology, Archaeology, Recreation	2021-2023	Chemical – closed road	No	Valeria Cancino	District Ranger and Deputy District Ranger	2023 - ongoing
13. Canada Thistle (<i>Cirsium arvense</i>) along Big Salt – Thorne Bay Road (2 locations)	Draft		Wildlife, Fisheries, Hydrology, Soils, Geology, Archaeology, Recreation	2021-2023	Manual, mechanical, chemical	No	Valeria Cancino	District Ranger and Deputy District Ranger	2023 - ongoing

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14. Bull Thistle (Cirsium vulgare) along Fish City (RD 2360000)	Draft		Wildlife, Fisheries, Hydrology, Soils, Geology, Archaeology, Recreation	2021-2023	Mechanical, chemical	No	Valeria Cancino	District Ranger and Deputy District Ranger	2023 - ongoing
15. Bull Thistle (Cirsium vulgare) along Lake Ellen Spur A (2030950)	Draft		Wildlife, Fisheries, Hydrology, Soils, Geology, Archaeology, Recreation	2021-2023	Manual, mechanical	No	Valeria Cancino	District Ranger and Deputy District Ranger	2024 - ongoing
16. Bull Thistle (Cirsium vulgare) along Lake Ellen Road East	Draft		Wildlife, Fisheries, Hydrology, Soils, Geology, Archaeology, Recreation	2021-2023	Manual, mechanical	No	Valeria Cancino	District Ranger and Deputy District Ranger	2024 - ongoing
17. Bull Thistle (Cirsium vulgare) along Overview (Rd 3000120)	Draft		Wildlife, Fisheries, Hydrology, Soils, Geology, Archaeology, Recreation	2021-2023	Mechanical, chemical	No	Valeria Cancino	District Ranger and Deputy District Ranger	2024 - ongoing
Sustainable Recreation									
1. El Cap Recreation Area enhancements	Campground improvements, cabin construction 2023, boat launch improvements 2024	Public workshop map and presentation	Pending	Pending	Pending	Yes, GAOA	Recreation Staff	District Ranger and Deputy District Ranger	2023-2024
2. Subalpine Snowmachine Trails	Implementation	Maps	Pending	Pending	N/A	No	Mike Sheets	District Ranger and Deputy District Ranger	Possibly 2023
3. Twelve Mile Arm Cabin vault toilet installation	implementation in 2023, pending funding	Previous workshop poster	Soils, transportation, botany	2021	N/A	No	Recreation Staff	District Ranger and Deputy District Ranger	Possibly 2023
4. One Duck Trail and Shelter rebuild	Implementation	Workshop maps and presentation	All resource area surveys needed	2022	N/A	Yes, GAOA	Recreation Staff	District Ranger and Deputy District Ranger	Possibly 2023
5. Mooring Buoy Repair/replacements (GAOA)	Potential implementation 2023	Workshop maps and presentation	N/A	2022	N/A	Resubmitting for GAOA FY2024	Recreation Staff	District Ranger and Deputy District Ranger	2023
6. Neck Lake Launch and recreation site improvements	Draft design		Pending	Pending	Pending	No	Recreation Staff	District Ranger and Deputy District Ranger	TBD
7. Karta River Trail reconstruction and cabin improvements	Continuing to completion		Pending	Pending	Pending	Resubmitting for GAOA FY2023	Recreation Staff	District Ranger and Deputy District Ranger	2022-2023
8. Beaver Falls Trail reconstruction	Implementation		Pending	Pending	Pending	No	Recreation Staff	District Ranger and Deputy District Ranger	2023
9. Salmon Bay cabin and Trail reconstruction	On Hold	Public workshop presentation	Pending	Pending	Pending	No	Recreation Staff	District Ranger and Deputy District Ranger	TBD
10. Deweyville Trail Reconstruction	Design complete; potential implementation		Pending	Pending	Pending	No	Recreation Staff	District Ranger and Deputy District Ranger	2023
11. Honker Canoe Route Signage improvements	Draft		Pending	Pending	Pending	No	Recreation Staff	District Ranger and Deputy District Ranger	2023
12. Black Bear Lake Cabin Trail access and cabin site improvements	Draft	Public workshop presentation	Pending	Pending	Pending	No	Recreation Staff	District Ranger and Deputy District Ranger	TBD
13. Hollis to Harris Trail construction	Draft		Pending	Pending	Pending	No	Recreation Staff	District Ranger and Deputy District Ranger	2023-2024
14. Three-sided shelter build in South POW Wilderness	Draft		Pending	Pending	Pending	No	Recreation Staff	District Ranger and Deputy District Ranger	TBD

FISCAL YEARS 2023-2025 Watershed Improvement and Restoration	Status	Associated Documents	List Field Surveys Required	Timeframe for Surveys to be Completed	Follow-up Treatments Required:	Funded	Activity Leader	Line Officer	Estimated Implementation Dates
15. Staney Cabin and trail enhancements	Draft		Pending	Pending	Pending	No	Recreation Staff	District Ranger and Deputy District Ranger	TBD
16. Decommission Josephine Lake Cabin	Draft		Pending	Pending	Pending	No	Recreation Staff	District Ranger and Deputy District Ranger	TBD

Approved by

2/14/2022

X 

Delilah Brigham
Deputy District Ranger
Signed by: DELILAH BRIGHAM