

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	Implementation in 2022. Large wood placement along 0.11 miles of stream.	Shaheen Design Maps, Workshop presentation	Botany/Invasives, Engineering, Karst, Silviculture, Soils, Wildlife	2022	Post-implementation monitoring surveys	Yes	Ellyn Rickels	District Ranger and Deputy District Ranger
3. Shaheen SF2 Restoration	Implementation in 2022. Large wood placement along 0.22 miles of stream.	Shaheen Design Maps, Workshop presentation	Botany/Invasives, Engineering, Karst, Silviculture, Soils, Wildlife	2022	Post-implementation monitoring surveys	Yes	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	Complete	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	Complete	Completed	N/A	Yes	Andrew Sanders	District Ranger and Deputy District Ranger
3. 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
4. AOP 2050000 MP 86.646	Design Complete; implementation in 2022	AOP Spreadsheet, Fish Barrier Culverts Map	Complete	Completed	N/A	Yes	Andrew Sanders	District Ranger and Deputy District Ranger
Invasive Species Management								
1. Japanese knotweed (polygonum cuspidatum) along Twelvemile Arm	Est. 1.25 acres proposed manual treatment, possibly supplmented 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 (Cirsium arvense) and Perennial Sowthistle (Sonchus arvensis) along Rd 2340000	Est. 3.5 acres proposed manual treatment, possibly supplmented 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 (Cirsium arvense) along Craig-Klawock-Hollis Road	Est 7 acres proposed manual treatment, possibly supplmented 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 (Cirsium arvense), bull thistle (Cirsium vulgare), and perennial sowthistle (Sonchus arvensis) near intersection of East POW Rd and Coffman Cove Rd	Est 4.9 acres proposed manual treatment, possibly supplmented 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 (Cirsium vulgare) and Canada thistle (Cirsium arvense) near intersection of RD 203000W and Big Salt – Thorne Bay Rd	Est.11.9 acres proposed manual treatment, possibly supplmented 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 (Cirsium vulgare) along Coffman Cove Road	Est. 23.4 acres proposed manual treatment, possibly supplmented 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

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7. Bull Thistle (<i>Cirsium vulgare</i>) along Federal Way (RD 3000134)	Est. 1 acre proposed manual treatment, possibly supplemented 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	13.2 acres proposed manual treatment, possibly supplemented 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	1.9 acres proposed manual treatment, possibly supplemented 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	Draft design and 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	Final design and implementation 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	Construction planned in 2022, pending funding.	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

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Stream Restoration								
1. Nahania Creek Restoration	Monitoring surveys only; ongoing	Workshop Presentation	Completed	Completed	Post-implementation monitoring surveys	No	Ellyn Rickels	District Ranger and Deputy District Ranger
2. Shaheen NF1 Restoration	Final designs and implementation in 2022, ongoing	Shaheen Design Maps, Workshop presentation	Botany/Invasives, Engineering, Karst, Silviculture, Soils, Wildlife	2022	Post-implementation monitoring surveys	Yes	Ellyn Rickels	District Ranger and Deputy District Ranger
3. Shaheen SF2 Restoration	Final designs and implementation in 2022, ongoing	Shaheen Design Maps, Workshop presentation	Botany/Invasives, Engineering, Karst, Silviculture, Soils, Wildlife	2022	Post-implementation monitoring surveys	Yes	Ellyn Rickels	District Ranger and Deputy District Ranger
4. Shaheen MS1 Restoration	Final designs and implementation in 2023-2024	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
5. Shaheen MS3 Restoration	Final designs and implementation in 2023-2024	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
6. Shaheen MS4 Restoration	Final designs and implementation in 2023-2024	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
7. Shaheen SF1 Restoration	Final designs and implementation in 2023-2024	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
8. Shaheen SF3 Restoration	Final designs and implementation in 2023-2024	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
9. Shaheen SF4 Restoration	Final designs and implementation in 2023-2024	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
Fish Crossings/Aquatic Organism Passage (AOPs)								
1. AOP 2051000 MP 1.42	Implementation in 2023 (materials not available for 2022 construction window)	AOP Spreadsheet, Fish Barrier Culverts Map	Completed	Completed	N/A	No	Andrew Sanders	District Ranger and Deputy District Ranger
2. AOP 3030110 MP 0.28	Implementation in 2023-2024	AOP Spreadsheet, Fish Barrier Culverts Map	Soils, botany, heritage	2021-2023	N/A	No	Andrew Sanders	District Ranger and Deputy District Ranger
3. AOP 2120000 MP 9.58	Implementation in 2023-2024	AOP Spreadsheet, Fish Barrier Culverts Map	Soils, botany, heritage	2021-2023	N/A	No	Andrew Sanders	District Ranger and Deputy District Ranger
4. AOP 2120000 MP 10.26	Implementation in 2023-2024	AOP Spreadsheet, Fish Barrier Culverts Map	Soils, botany, heritage	2021-2023	N/A	No	Andrew Sanders	District Ranger and Deputy District Ranger
5. AOP 3000000 MP 21.37	Implementation in 2023-2024	AOP Spreadsheet, Fish Barrier Culverts Map	Soils, botany, heritage	2021-2023	N/A	No	Andrew Sanders	District Ranger and Deputy District Ranger

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6. AOP 3030700 MP 3.88	Implementation in 2023-2024	AOP Spreadsheet, Fish Barrier Culverts Map	Soils, botany, heritage	2021-2023	N/A	No	Andrew Sanders	District Ranger and Deputy District Ranger
7. AOP 2056000 MP 0.66	Implementation in 2023-2024	AOP Spreadsheet, Fish Barrier Culverts Map	Soils, botany, heritage	2021-2023	N/A	No	Andrew Sanders	District Ranger and Deputy District Ranger
8. AOP 2050000 MP 14.69	Implementation in 2023-2024	AOP Spreadsheet, Fish Barrier Culverts Map	Soils, botany, heritage	2021-2023	N/A	No	Andrew Sanders	District Ranger and Deputy District Ranger
9. AOP 2059300 MP 1.12	Implementation in 2023-2024	AOP Spreadsheet, Fish Barrier Culverts Map	Soils, botany, heritage	2021-2023	N/A	No	Andrew Sanders	District Ranger and Deputy District Ranger
10. AOP 2050400 MP 0.16	Implementation in 2023-2024	AOP Spreadsheet, Fish Barrier Culverts Map	Soils, botany, heritage	2021-2023	N/A	No	Andrew Sanders	District Ranger and Deputy District Ranger
11. AOP 2050400 MP 0.56	Implementation in 2023-2024	AOP Spreadsheet, Fish Barrier Culverts Map	Soils, botany, heritage	2021-2023	N/A	No	Andrew Sanders	District Ranger and Deputy District Ranger
12. AOP 2050050 MP 3.72	Implementation in 2023-2024	AOP Spreadsheet, Fish Barrier Culverts Map	Soils, botany, heritage	2021-2023	N/A	No	Andrew Sanders	District Ranger and Deputy District Ranger
13. AOP 2050000 MP 19.19	Implementation in 2023-2024	AOP Spreadsheet, Fish Barrier Culverts Map	Soils, botany, heritage	2021-2023	N/A	No	Andrew Sanders	District Ranger and Deputy District Ranger
14. AOP 2030790 MP 1.08	Implementation in 2023-2024	AOP Spreadsheet, Fish Barrier Culverts Map	Soils, botany, heritage	2021-2023	N/A	No	Andrew Sanders	District Ranger and Deputy District Ranger
15. AOP 2025000 MP 0.72	Implementation in 2023-2024	AOP Spreadsheet, Fish Barrier Culverts Map	Soils, botany, heritage	2021-2023	N/A	No	Andrew Sanders	District Ranger and Deputy District Ranger
16. 25000 MP 2.679	Implementation in 2023-2024	AOP Spreadsheet, Fish Barrier Culverts Map	Soils, botany, heritage	2021-2023	N/A	No	Andrew Sanders	District Ranger and Deputy District Ranger
17. 1525000 MP 3.4	Implementation in 2023-2024	AOP Spreadsheet, Fish Barrier Culverts Map	Soils, botany, heritage	2021-2023	N/A	No	Andrew Sanders	District Ranger and Deputy District Ranger
18. 2050000 MP 10.36	Implementation in 2023-2024	AOP Spreadsheet, Fish Barrier Culverts Map	Soils, botany, heritage	2021-2023	N/A	No	Andrew Sanders	District Ranger and Deputy District Ranger
19. 2050300 MP 4.67	Implementation in 2023-2024	AOP Spreadsheet, Fish Barrier Culverts Map	Soils, botany, heritage	2021-2023	N/A	No	Andrew Sanders	District Ranger and Deputy District Ranger
20. 2050400 MP 4.49	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
Invasive Species Management								
1. Japanese knotweed (<i>polygonum cuspidatum</i>) along Twelvemile Arm	Monitoring; possible manual and chemical treatment. Area dependent upon conditions. Ongoing.	Public workshop maps and treatment plan	Complete	Completed	Monitoring/possible treatment	No	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	Monitoring; possible manual and chemical treatment. Area dependent upon conditions. Ongoing.	Public workshop maps and treatment plan	Complete	Completed	Monitoring/possible treatment	No	Valeria Cancino	District Ranger and Deputy District Ranger

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3. Canada Thistle (<i>Cirsium arvense</i>) along Craig-Klawock-Hollis Road	Monitoring; possible manual and chemical treatment. Area dependent upon conditions. Ongoing.	Public workshop maps and treatment plan	Complete	Completed	Monitoring/possible treatment	No	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	Monitoring; possible manual and chemical treatment. Area dependent upon conditions. Ongoing.	Public workshop maps and treatment plan	Complete	Completed	Monitoring/possible treatment	No	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	Monitoring; possible manual and chemical treatment. Area dependent upon conditions. Ongoing.	Public workshop maps and treatment plan	Complete	Completed	Monitoring/possible treatment	No	Valeria Cancino	District Ranger and Deputy District Ranger
6. Bull thistle (<i>Cirsium vulgare</i>) along Coffman Cove Road	Monitoring; possible manual and chemical treatment. Area dependent upon conditions. Ongoing.	Public workshop maps and treatment plan	Complete	Completed	Monitoring/possible treatment	No	Valeria Cancino	District Ranger and Deputy District Ranger
7. Bull Thistle (<i>Cirsium vulgare</i>) along Federal Way (RD 3000134)	Monitoring; possible manual and chemical treatment. Area dependent upon conditions. Ongoing.	Public workshop maps and treatment plan	Complete	Completed	Monitoring/possible treatment	No	Valeria Cancino	District Ranger and Deputy District Ranger
8. Sweetclover (<i>Melilotus albus</i> , <i>Melilotus officinalis</i>) along Coffman Cove Road	Monitoring; possible manual and chemical treatment. Area dependent upon conditions. Ongoing.	Public workshop maps and treatment plan	Wildlife, Fisheries, Hydrology, Soils, Geology, Archaeology, Recreation	2022	Yes	No	Valeria Cancino	District Ranger and Deputy District Ranger
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. Ongoing.	Public workshop maps and treatment plan	Wildlife, Fisheries, Hydrology, Soils, Geology, Archaeology, Recreation	2022	Yes	No	Valeria Cancino	District Ranger and Deputy District Ranger
10. Spotted Knapweed (<i>Centaurea stoebe</i> ssp. <i>micranthos</i>) along North Twin Road (2050600)	Monitoring; possible manual and chemical treatment. Area dependent upon conditions. 2023 – ongoing.	Public workshop maps and treatment plan	Wildlife, Fisheries, Hydrology, Soils, Geology, Archaeology, Recreation	2021-2023	Ongoing	No	Valeria Cancino	District Ranger and Deputy District Ranger
11. Spotted Knapweed (<i>Centaurea stoebe</i> ssp. <i>micranthos</i>) near intersection of RD 2000652, Long Lake, and FH43	Monitoring; possible manual and chemical treatment. Area dependent upon conditions. 2023 – ongoing.	Public workshop maps and treatment plan	Wildlife, Fisheries, Hydrology, Soils, Geology, Archaeology, Recreation	2021-2023	Chemical – closed road	No	Valeria Cancino	District Ranger and Deputy District Ranger
12. Spotted Knapweed (<i>Centaurea stoebe</i> ssp. <i>micranthos</i>) along Bay Lake Rd (300000N)	Monitoring; possible manual and chemical treatment. Area dependent upon conditions. 2023 – ongoing.	Public workshop maps and treatment plan	Wildlife, Fisheries, Hydrology, Soils, Geology, Archaeology, Recreation	2021-2023	Chemical – closed road	No	Valeria Cancino	District Ranger and Deputy District Ranger
13. Canada Thistle (<i>Cirsium arvense</i>) along Big Salt – Thorne Bay Road (2 locations)	Monitoring; possible manual and chemical treatment. Area dependent upon conditions. 2023 – ongoing.	Public workshop maps and treatment plan	Wildlife, Fisheries, Hydrology, Soils, Geology, Archaeology, Recreation	2021-2023	Manual, mechanical, chemical	No	Valeria Cancino	District Ranger and Deputy District Ranger
14. Bull Thistle (<i>Cirsium vulgare</i>) along Fish City (RD 2360000)	Monitoring; possible manual and chemical treatment. Area dependent upon conditions. 2023 – ongoing.	Public workshop maps and treatment plan	Wildlife, Fisheries, Hydrology, Soils, Geology, Archaeology, Recreation	2021-2023	Mechanical, chemical	No	Valeria Cancino	District Ranger and Deputy District Ranger
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
2. Subalpine Snowmachine Trails	Possible implementation in 2023	Maps	Pending	Pending	N/A	No	Mike Sheets	District Ranger and Deputy District Ranger

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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
4. One Duck Trail and Shelter rebuild	Possible implementation in 2023	Workshop maps and presentation	All resource area surveys needed	2022	N/A	Yes, GAOA	Recreation Staff	District Ranger and Deputy District Ranger
5. Mooring Buoy Repair/replacements (GAOA)	Possible implementation in 2023	Workshop maps and presentation	N/A	2022	N/A	Resubmitting for GAOA FY2024	Recreation Staff	District Ranger and Deputy District Ranger
6. 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
7. Beaver Falls Trail reconstruction	Implementation in 2022-2023.		Pending	Pending	Pending	No	Recreation Staff	District Ranger and Deputy District Ranger
8. Deweyville Trail Reconstruction	Design complete; potential implementation		Pending	Pending	Pending	No	Recreation Staff	District Ranger and Deputy District Ranger
9. Honker Canoe Route Signage improvements	Implementation in 2023.		Pending	Pending	Pending	No	Recreation Staff	District Ranger and Deputy District Ranger
10. Hollis to Harris Trail construction	Implementation in 2023-2024.		Pending	Pending	Pending	No	Recreation Staff	District Ranger and Deputy District Ranger

FISCAL YEARS 2024-2026 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	2022-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	2022-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
Fish Crossings/Aquatic Organism Passage (AOPs)									
1. 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
2. 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
3. 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
4. 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
5. 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
6. 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
7. 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
8. 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

FISCAL YEARS 2024-2026 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
9. 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
10. 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
11. 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
12. 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
13. 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
14. 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
15. 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
16. 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
17. 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
18. 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
Invasive Species Management									
1. Japanese knotweed (<i>Polygonum cuspidatum</i>) 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 (<i>Cirsium arvense</i>) and Perennial Sowthistle (<i>Sonchus arvensis</i>) 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 (<i>Cirsium arvense</i>) along Craig-Klawock-Hollis 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
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

FISCAL YEARS 2024-2026 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
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
14. Bull Thistle (<i>Cirsium vulgare</i>) 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 (<i>Cirsium vulgare</i>) 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 (<i>Cirsium vulgare</i>) 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

FISCAL YEARS 2024-2026 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
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, Otherwise 2024
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, otherwise 2024
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, otherwise 2024
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, until complete
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, until complete
8. Beaver Falls Trail reconstruction	Implementation		Pending	Pending	Pending	No	Recreation Staff	District Ranger and Deputy District Ranger	2023, until complete
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, until complete
11. Honker Canoe Route Signage improvements	Draft		Pending	Pending	Pending	No	Recreation Staff	District Ranger and Deputy District Ranger	2023, until complete
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
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

X

Delilah Brigham
Deputy District Ranger