



Prince of Wales Landscape Level Analysis (POW LLA) Long-term Plan, DRAFT for Spring 2023 Workshop

This implementation plan is provided for review during the Spring 2023 Workshop, as part of the on-going public involvement process for the Prince of Wales Landscape Level Analysis (POW LLA) Project. This Long-term Plan is a living document. The purpose of this document is to conduct a transparent implementation process that keeps the public informed of and involved in the activity location, timing and design; to support continued public participation and collaborative learning that occurred during the planning phase, encourage and support the continuation of collaborative efforts throughout implementation; and ensure integrated engagement of interdisciplinary team members, field resource specialists, scientists, Line Officers, and the public. Projects and activities must meet the requirements set forth in the project's Record of Decision (ROD) and Final Environmental Impact Statement (FEIS). For additional information, please refer to the [POW LLA project website](#) for more information on the project; see [Appendix 2: Implementation Plan](#) for details on the POW LLA implementation, activity requirements, and decision-tree process.

Twice each year, we seek public input on the activities, location, timing and design of activities implemented under POW LLA. At the workshops, the Forest Service and the public will be able to present activities that they would like to be implemented and will help to determine locations, activity design components, methods, mitigation measures, and integration opportunities for activities presented. The public will have the opportunity to provide feedback to the Forest Service regarding prior-year management, potential changes in the implementation process, monitoring results, GIS tools, and priority sequences of activities. Following the workshop, activities that are decided to be implemented will be placed on the Project Out-year Plan as "draft" and will be posted to the project website for additional public review and comment. The Line Officer retains the authority to make final decisions related to location, extent, and types of activities planned and completed, consistent with the ROD.

Projects and activities listed here represent intent based on current information, priorities, field conditions, public input, and other information. While we do our best to incorporate public comments and implement all projects in a timely manner, our activities must adhere to project limitations, mandates, policy, priorities, staffing, funding, permitting, and safety, among other factors. For example, weather, safety, funding or staffing limitations may delay project implementation. Activities outside of POW LLA are not presented here. For broader (non-POW LLA specific) district priorities, please refer to the annual District Objectives and Key Results.

Note that the name and format of this plan changed in Spring 2023 to present information more clearly, and to better track accomplishments and timing.



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Stream Restoration	Line Officer: District Ranger and Deputy Ranger	Activity Leader: Malcolm Cross					
Activity	Description	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
1. Nahania Creek Restoration	Placement of large wood within and along 0.32 miles of stream. Implementation completed in FY 2021.	Post-restoration monitoring Year 1	Post-restoration monitoring Year 2	N/A	N/A	Post-restoration monitoring Year 5	N/A
2. Shaheen NF1 Restoration	Sourcing, staging, and placement of large wood within and along 0.11 miles of stream. Implementation completed in FY 2022 in partnership with NFF.	Implementation completed	Post-restoration monitoring Year 1	Post-restoration monitoring Year 2	N/A	N/A	Post-restoration monitoring Year 5
3. Shaheen SF2 US Restoration	Sourcing, staging, and placement of large wood within and along 0.21 miles of stream. Implementation completed in FY 2022 in partnership with NFF.	Implementation completed	Post-restoration monitoring Year 1	Post-restoration monitoring Year 2	N/A	N/A	Post-restoration monitoring Year 5
4. Shaheen MS4 Restoration	Sourcing, staging, and placement of large wood within and along 0.22 miles of stream. Implementation will occur in FY 2023 in partnership with NFF.	Planning	Implementation	Post-restoration monitoring Year 1	Post-restoration monitoring Year 2	N/A	N/A
5. Shaheen SF4 Restoration	Sourcing, staging, and placement of large wood within and along 0.27 miles of stream. Final designs and resource surveys needed.	N/A	Planning	Implementation	Post-restoration monitoring Year 1	Post-restoration monitoring Year 2	N/A
6. Shaheen SF2 DS Restoration	Sourcing, staging, and placement of large wood within and along 0.06 miles of stream. Final designs and resource surveys needed.	N/A	Planning	Implementation	Post-restoration monitoring Year 1	Post-restoration monitoring Year 2	N/A
7. Shaheen SF1 DS Restoration	Sourcing, staging, and placement of large wood within and along 0.05 miles of stream. Final designs and resource surveys needed.	N/A	Planning	Implementation	Post-restoration monitoring Year 1	Post-restoration monitoring Year 2	N/A
8. Shaheen MS3 Restoration	Sourcing, staging, and placement of large wood within and along 0.32 miles of stream. Final designs and resource surveys needed.	N/A	N/A	Planning	Implementation	Post-restoration monitoring Year 1	Post-restoration monitoring Year 2
9. Shaheen SF3 Restoration	Sourcing, staging, and placement of large wood within and along 0.34 miles of stream. Final designs and resource surveys needed.	N/A	N/A	Planning	Planning	Implementation	Post-restoration monitoring Year 1
10. Shaheen MS1 Restoration	Sourcing, staging, and placement of large wood within and along 0.26 miles of stream. Final designs and resource surveys needed.	N/A	N/A	Planning	Planning	Implementation	Post-restoration monitoring Year 1
11. Thorne Bay Basin Stream Restoration	Sourcing, staging, and placement of large wood via heavy machinery or with hand tools into stream reaches and along floodplains, in coordination with the TBB IRMP project. Surveys and planning are ongoing. Specific locations to be determined.	N/A	Planning	Planning	Planning	Implementation	Implementation



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Fish Crossings/Aquatic Organism Passage (AOPs)		Line Officer: District Ranger and Deputy Ranger	Activity Leader: Andrew Sanders				
Activity	Description	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
1. AOP 2100000 MP 5.71	Replace undersized culvert with larger culvert.	Implementation.	Monitoring and adaptive management.	Monitoring and adaptive management.	Monitoring and adaptive management.	Monitoring and adaptive management.	Monitoring and adaptive management.
2. AOP 3036000 MP 0.27	Replace undersized culvert with larger culvert.	Implementation.	Monitoring and adaptive management.	Monitoring and adaptive management.	Monitoring and adaptive management.	Monitoring and adaptive management.	Monitoring and adaptive management.
3. AOP 2050000 MP 19.51	Replace undersized culvert with larger culvert	Design complete.	Implementation delayed due to shortage of materials and high cost.	Implementation	Monitoring and adaptive management	Monitoring and adaptive management	Monitoring and adaptive management
4. AOP 2050000 MP 22.23	Replace undersized culvert with larger culvert	Design complete.	Implementation delayed due to shortage of materials and high cost.	Implementation	Monitoring and adaptive management	Monitoring and adaptive management	Monitoring and adaptive management
5. AOP 2050400 MP 4.49	Replace undersized culvert with larger culvert	Design complete.	Implementation delayed due to shortage of materials and high cost.	Implementation	Monitoring and adaptive management	Monitoring and adaptive management	Monitoring and adaptive management
6. AOP 2051000 MP 1.42	Replace undersized culvert with larger culvert	Design complete.	Implementation delayed due to shortage of materials and high cost.	Implementation	Monitoring and adaptive management	Monitoring and adaptive management	Monitoring and adaptive management
7. AOP 3000000 MP 21.37	Replace undersized culvert with larger culvert	N/A	Planning	Implementation	Monitoring and adaptive management	Monitoring and adaptive management	Monitoring and adaptive management
8. AOP 3000000 MP 86.646	Replace undersized culvert with larger culvert	N/A	Planning	Implementation	Monitoring and adaptive management	Monitoring and adaptive management	Monitoring and adaptive management
9. AOP 3030700 MP 3.88	Replace undersized culvert with larger culvert	N/A	Planning	Implementation	Monitoring and adaptive management	Monitoring and adaptive management	Monitoring and adaptive management
10. AOP 2050000MP 10.36	Replace undersized culvert with larger culvert	N/A	Planning	Implementation	Monitoring and adaptive management	Monitoring and adaptive management	Monitoring and adaptive management
11. AOP 2050000 MP 14.69	Replace undersized culvert with larger culvert	N/A	Planning	Implementation	Monitoring and adaptive management	Monitoring and adaptive management	Monitoring and adaptive management
12. AOP 3030110 MP 0.28	Replace undersized culvert with larger culvert	N/A	Planning	Implementation	Monitoring and adaptive management	Monitoring and adaptive management	Monitoring and adaptive management
13. AOP 2120000 MP 9.58	Replace undersized culvert with larger culvert	N/A	Planning	Implementation	Monitoring and adaptive management	Monitoring and adaptive management	Monitoring and adaptive management
14. AOP 2100000 MP 12.53	Replace undersized culvert with larger culvert	N/A	N/A	Planning	Implementation	Monitoring and adaptive management	Monitoring and adaptive management
15. AOP 2050300 MP 4.67	Replace undersized culvert with larger culvert	N/A	N/A	Planning	Implementation	Monitoring and adaptive management	Monitoring and adaptive management
16. AOP 2059300 MP 1.12	Replace undersized culvert with larger culvert	N/A	N/A	Planning	Implementation	Monitoring and adaptive management	Monitoring and adaptive management
17. AOP 2030790 MP 1.08	Replace undersized culvert with larger culvert	N/A	N/A	Planning	Implementation	Monitoring and adaptive management	Monitoring and adaptive management
18. AOP 2056000 MP 0.66	Replace undersized culvert with larger culvert	N/A	N/A	Planning	Implementation	Monitoring and adaptive management	Monitoring and adaptive management
19. AOP 1525000 MP 3.4	Replace undersized culvert with larger culvert	N/A	N/A	Planning	Implementation	Monitoring and adaptive management	Monitoring and adaptive management
20. AOP 2120000 MP 10.26	Replace undersized culvert with larger culvert	N/A	N/A	N/A	Planning	Implementation	Implementation
21. AOP 2050400 MP 0.16	Replace undersized culvert with larger culvert	N/A	N/A	N/A	Planning	Implementation	Implementation



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Activity	Description	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
22. AOP 2050050 MP 19.19	Replace undersized culvert with larger culvert	N/A	N/A	N/A	Planning	Implementation	Implementation
23. AOP 2025000 MP 2.679	Replace undersized culvert with larger culvert	N/A	N/A	N/A	Planning	Implementation	Implementation



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Invasive Species Management	Line Officer: District Ranger and Deputy Ranger	Activity Leader: Valeria Cancino, Abby Hoffman					
Activity	Description	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
1. Japanese knotweed (<i>Polygonum cuspidatum</i>) and purple foxglove (<i>Digitalis purpurea</i>) along Twelvemile Arm	Ongoing monitoring; possible treatment of invasive species, using appropriate methods for infestation, time of year, and current conditions.	Implementation; completed 1.25 acres of manual treatment.	Ongoing monitoring.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.
2. Canada thistle (<i>Cirsium arvense</i>) and Perennial Sowthistle (<i>Sonchus arvensis</i>) along Rd 2340000	Ongoing monitoring; possible treatment of invasive species, using appropriate methods for infestation, time of year, and current conditions.	Implementation; completed 4.7 acres of manual treatment.	Ongoing monitoring.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.
3. 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	Ongoing monitoring; possible treatment of invasive species, using appropriate methods for infestation, time of year, and current conditions.	Implementation; completed 3.0 acres of manual treatment.	Ongoing monitoring.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.
4. Bull thistle (<i>Cirsium vulgare</i>) and Canada thistle (<i>Cirsium arvense</i>) near intersection of RD 203000W and Big Salt – Thorne Bay Rd	Ongoing monitoring; possible treatment of invasive species, using appropriate methods for infestation, time of year, and current conditions.	Implementation; completed 0.5 acres manual treatment.	Ongoing monitoring.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.
5. Bull thistle (<i>Cirsium vulgare</i>) along Coffman Cove Road	Ongoing monitoring; possible treatment of invasive species, using appropriate methods for infestation, time of year, and current conditions.	Implementation; completed 4.7 acres manual treatment.	Ongoing monitoring.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.
6. Bull thistle (<i>Cirsium vulgare</i>), Canada thistle (<i>Cirsium arvense</i>), reed canarygrass (<i>Phalaris arundinacea</i>), orange hawkweed (<i>Hieracium aurantiacum</i>) and oxeye daisy (<i>Leucanthemum vulgare</i>) along Federal Way (RD 300134)	Ongoing monitoring; possible treatment of invasive species, using appropriate methods for infestation, time of year, and current conditions.	Implementation; completed 1.0 acre bull thistle manual treatment.	Ongoing monitoring.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.



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Invasive Species Management	Line Officer: District Ranger and Deputy Ranger	Activity Leader: Valeria Cancino, Abby Hoffman					
Activity	Description	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
7. Sweetclover (<i>Melilotus albus</i> , <i>Melilotus officinalis</i>) along Coffman Cove Road	Ongoing monitoring; possible treatment of invasive species, using appropriate methods for infestation, time of year, and current conditions.	N/A	Ongoing monitoring.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.
8. Spotted knapweed (<i>Centaurea stoebe</i> ssp. <i>micranthos</i>) near intersection of RD 2000652, Long Lake, and FH43	Ongoing monitoring; possible treatment of invasive species, using appropriate methods for infestation, time of year, and current conditions.	N/A	N/A	Implementation/treatment	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.
9. Spotted knapweed (<i>Centaurea stoebe</i> ssp. <i>micranthos</i>) along Bay Lake Rd (300000N)	Ongoing monitoring; possible treatment of invasive species, using appropriate methods for infestation, time of year, and current conditions.	N/A	N/A	Implementation/treatment	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.
10. Canada thistle (<i>Cirsium arvense</i>) along Big Salt – Thorne Bay Road (2 locations)	Ongoing monitoring; possible treatment of invasive species, using appropriate methods for infestation, time of year, and current conditions.	N/A	N/A	Implementation/treatment	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.
11. Bull thistle (<i>Cirsium vulgare</i>) along Fish City (RD 2360000)	Ongoing monitoring; possible treatment of invasive species, using appropriate methods for infestation, time of year, and current conditions.	N/A	N/A	Implementation/treatment	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.
12. Sweetclover (<i>Melilotus albus</i> , <i>Melilotus officinalis</i>) along Big Salt – Thorne Bay Road	Ongoing monitoring; possible treatment of invasive species, using appropriate methods for infestation, time of year, and current conditions.	N/A	N/A	Implementation/treatment	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.
13. Spotted knapweed (<i>Centaurea stoebe</i> ssp. <i>micranthos</i>) along FS 2050600, 925, and 205400	Ongoing monitoring; possible treatment of invasive species, using appropriate methods for infestation, time of year, and current conditions.	N/A	N/A	Implementation/treatment	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.
14. Bull thistle (<i>Cirsium vulgare</i>) along Lake Ellen Spur A (2030950)	Ongoing monitoring; possible treatment of invasive species, using appropriate methods for infestation, time of year, and current conditions.	N/A	N/A	N/A	N/A	Implementation	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.
15. Bull thistle (<i>Cirsium vulgare</i>) along Lake Ellen Road East	Ongoing monitoring; possible treatment of invasive species, using appropriate methods for infestation, time of year, and current conditions.	N/A	N/A	N/A	N/A	Implementation	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.



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Activity	Description	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
16. Bull thistle (<i>Cirsium vulgare</i>) along Overview (Rd 30000120)	Ongoing monitoring; possible treatment of invasive species, using appropriate methods for infestation, time of year, and current conditions.	N/A	N/A	N/A	N/A	Implementation	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.
17. Common St. Johnswort (<i>Hypericum perforatum</i>), Oxeye daisy (<i>Leucanthemum vulgare</i>), Sneezewort (<i>Achillea ptarmica</i>) at El Capitan Rec Area	Ongoing monitoring; possible treatment of invasive species, using appropriate methods for infestation, time of year, and current conditions.	NA	NA	Implementation/treatment	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.
18. Reed canarygrass (<i>Phalaris arundinacea</i>) along One Duck Trail	Ongoing monitoring; possible treatment of invasive species, using appropriate methods for infestation, time of year, and current conditions.	NA	NA	Implementation/treatment	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.
19. Bull thistle (<i>Cirsium vulgare</i>) on Kosciusko road system (1525000)	Ongoing monitoring; possible treatment of invasive species, using appropriate methods for infestation, time of year, and current conditions.	NA	NA	Implementation/treatment	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.
20. Canada thistle (<i>Cirsium arvense</i>) on Kosciusko road system (150000W)	Ongoing monitoring; possible treatment of invasive species, using appropriate methods for infestation, time of year, and current conditions.	NA	NA	Implementation/treatment	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.
21. Reed canarygrass (<i>Phalaris arundinacea</i>) throughout Kosciusko road system (roads 150000W, 1500010, 1500020, 1500036, 1500055, 1500100, 1500150, 1505000, 1505100, 1505200, 1510100, 1510000, 1520000, 1520100, 1520300, 1520370, 1520500, 1522100, 1525000, 1530100)	Ongoing monitoring; possible treatment of invasive species, using appropriate methods for infestation, time of year, and current conditions.	NA	NA	Implementation/treatment	Implementation/treatment	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.
22. Bull thistle (<i>Cirsium vulgare</i>) along 2054000	Ongoing monitoring; possible treatment of invasive species, using appropriate methods for infestation, time of year, and current conditions.			Implementation/treatment	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.		



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Activity	Description	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
23. Canada thistle (<i>Cirsium arvense</i>) on 925 and 2054350	Ongoing monitoring; possible treatment of invasive species, using appropriate methods for infestation, time of year, and current conditions.	NA	NA	Implementation/treatment	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.
24. Common St. Johnswort (<i>Hypericum perforatum</i>) on 2050300 and 2050305	Ongoing monitoring; possible treatment of invasive species, using appropriate methods for infestation, time of year, and current conditions.	NA	NA	Implementation/treatment	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.
25. Orange hawkweed (<i>Hieracium aurantiacum</i>) along road 2050000, 2051000, 2054000 and 925	Ongoing monitoring; possible treatment of invasive species, using appropriate methods for infestation, time of year, and current conditions.	NA	NA	Implementation/treatment	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.
26. White sweetclover (<i>Melilotus alba</i>) along 925	Ongoing monitoring; possible treatment of invasive species, using appropriate methods for infestation, time of year, and current conditions.	NA	NA	Implementation/treatment	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.
27. Reed canarygrass (<i>Phalaris arundinacea</i>) along road 2050000, 2051000, 2051030, and 2051040	Ongoing monitoring; possible treatment of invasive species, using appropriate methods for infestation, time of year, and current conditions.	NA	NA	Implementation/treatment	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.
28. Spotted knapweed (<i>centaurea stoebe</i>) along road 2050601, 925, and 2054000	Ongoing monitoring; possible treatment of invasive species, using appropriate methods for infestation, time of year, and current conditions.	NA	NA	Implementation/treatment	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.
29. Stinking willie (<i>Senecio jacobaea</i>) along 2050050	Ongoing monitoring; possible treatment of invasive species, using appropriate methods for infestation, time of year, and current conditions.	NA	NA	Implementation/treatment	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.	Ongoing monitoring; possible manual and chemical treatment, area dependent upon conditions.
30. Solicit interest and public participation in invasive species management on POW.	Invite public to participate in invasive species management.	Public participation in weed pulling.	Discussed opportunities for additional public participation in invasive species management esp. during the Fall 2022 workshop.	Invite public participation in weed pulls and/or other invasive species management; explore interest, potential roles for taskforce or committee during Spring 2023 workshop.	Ongoing invitation for public participation.	Ongoing invitation for public participation.	Ongoing invitation for public participation.



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Sustainable Recreation	Line Officer: District Ranger and Deputy Ranger	Activity Leader: Justin Donnelly					
Activity	Description	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
1. Sunnahae Trail Reconstruction	Reconstruction of alpine sections of Sunnahae Trail.	Completed draft design.	Final design completed. Implementation delayed due to staffing limitations/turnover.	Implementation.	Monitoring; possible maintenance.	Monitoring; possible maintenance.	Monitoring; possible maintenance.
2. Harris River Campground and Picnic Area Vault Toilet Replacement	Replace picnic tables and vault toilets.	Completed draft design.	Final design completed.	Implementation and completion.	Monitoring; possible maintenance.	Monitoring; possible maintenance.	Monitoring; possible maintenance.
3. Sarkar Canoe Route and Cabin Enhancements	Improve canoe route and cabin.	Completed draft design.	Final design completed.	Implementation and completion.	Monitoring; possible maintenance.	Monitoring; possible maintenance.	Monitoring; possible maintenance.
4. El Cap Recreation Area Enhancements	Trail to cave reconstruction; admin cabin improvements; boat launch improvements.	Design progress.	Trail to cave reconstruction and admin cabin improvements delayed due to staffing limitations/turnover.	Trail to cave reconstruction in partnership with Pacific Northwest and Natl Forest Foundation. Boat launch improvements delayed due to staffing limitations/turnover in FY2022.	Campground improvements and cabin construction	Boat launch improvements	Monitoring; possible maintenance.
5. Twelvemile Arm Cabin Vault Toilet Installation	Install vault toilet.	Planning and design.	NA	NA	Planning and Design	Construction of road and outhouse installation.	Monitoring; possible maintenance.
6. Canoe Point	Improve Canoe Point facilities.	Contract awarded; completed.	N/A	N/A	N/A	N/A	N/A
7. Subalpine Snow Trails	Identify and protect subalpine snow trails for snowmachines and nonmechanized snow trail use. Potential volunteer improvement of access routes to backcountry areas.	Initial planning	Determine breadth of interest and activities; identified non-mechanized snow activity interest.	Determine breadth of interest and activities; no specific volunteer interest so far.	Continued protection of access of identified routes; potential for access improvement.	Continued protection of access of identified routes. Potential for access improvement dependent on interest and volunteer investment.	Continued protection of access of identified routes. Potential for access improvement dependent on interest and volunteer investment.
8. One Duck trail and Shelter Rebuild	Rebuild trail and shelter repair.	N/A	N/A	Implementation.	Monitoring; possible maintenance.	Monitoring; possible maintenance.	Monitoring; possible maintenance.
9. Mooring Buoy Repair/Replacements (GAOA)	Repair/replace buoys.	N/A	N/A	Implementation.	Monitoring; possible maintenance.	Monitoring; possible maintenance.	Monitoring; possible maintenance.
10. Karta River Trail Reconstruction and Cabin Improvements	Improve/reconstruct trail and improve cabin condition.	N/A	N/A		Planning; will need survey and design narrative to create a project. Section 106 Review, and tribal consultation will be an important factor.	Planning, Surveying, and Design	Construction; may carry over to 2027
11. Salmon Bay Deferred Maintenance	N/A	N/A	N/A	Planning	Planning/Survey and Design	Construction of foundation	Trail Improvements and Trail Bridge installation



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Sustainable Recreation	Line Officer: District Ranger and Deputy Ranger	Activity Leader: Justin Donnelly					
Activity	Description	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
12. Explore allowing e-bikes on trails	Determine mandates and policy related to allowing e-bikes on trails. If allowed and feasible, follow through with process.	N/A	Brought up as a public interest in Fall 2022.	Planning: investigate pros/cons and process for adding e-bikes to Indian, cutthroat and Honker trails. Find out if any legal or regulatory limitations. Bring topic up at Spring 2023 workshop to explore public opinion.	Planning; possible implementation.	Dependent upon planning.	Dependent upon planning.
13. Explore options for trails and water routes	Review status and explore options for maintaining recreational trails and water routes, with emphasis on Sarkar Lake Canoe Route ^{1 2}	N/A	Identified as a request Fall 2022.	Planning: To the extent feasible, review status and explore options: consider other priorities, time and budget limits. Develop a long-term plan that works within fiscal and ethical responsibilities.	Planning; possible implementation.	Dependent upon planning.	Dependent upon planning.

¹ Although priorities will be assigned across Forest Service lands on Prince of Wales, trail and water route maintenance discussed in the POW LLA Out-year Plan will be limited to those sites shown on the [Sustainable Recreation Management Map](#) and covered under [POW LLA's Final Record of Decision](#), available on the [POW LLA website](#).

² Public comment on sign repair and maintenance is an important consideration for us; however, that activity was not covered under POW LLA, with the exception of improvement of signage at the Salt Chuck Mine site. We are working on prioritizing Forest Service sign maintenance across POW and have incorporated this important activity into the FY23 Objectives and Key Results. Recreation staff are implementing sign maintenance within recreation sites. Engineering staff are responsible for sign maintenance along roads. Facilities staff are implementing sign maintenance at Forest Service facilities, such as the District Offices. Please let the Front Desk know at either District Office, so they can pass the information on to the right staff.



Prince of Wales Landscape Level Analysis (POW LLA) Long-term Plan, DRAFT for Spring 2023 Workshop