



MODIFICATION OF GRANT OR AGREEMENT

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1. U.S. FOREST SERVICE GRANT/AGREEMENT NUMBER: 15-GN-11091300-109	2. RECIPIENT/COOPERATOR GRANT or AGREEMENT NUMBER, IF ANY:	3. MODIFICATION NUMBER: 009
4. NAME/ADDRESS OF U.S. FOREST SERVICE UNIT ADMINISTERING GRANT/AGREEMENT (unit name, street, city, state, and zip + 4): Nicole Peltier Great Lakes Acquisition Team 500 Hanson Lake Road, Rhinelander, WI 54501	5. NAME/ADDRESS OF U.S. FOREST SERVICE UNIT ADMINISTERING PROJECT/ACTIVITY (unit name, street, city, state, and zip + 4): Adam Felts Chequamegon-Nicolet National Forest 500 Hanson Lake Road, Rhinelander, WI 54501	
6. NAME/ADDRESS OF RECIPIENT/COOPERATOR (street, city, state, and zip + 4, county): Rebecca Diebel Wisconsin Department of Natural Resources P.O. Box 7921, Madison, WI 53707	7. RECIPIENT/COOPERATOR'S HHS SUB ACCOUNT NUMBER (For HHS payment use only):	

8. PURPOSE OF MODIFICATION

CHECK ALL THAT APPLY:	This modification is issued pursuant to the modification provision in the grant/agreement referenced in item no. 1, above.
<input type="checkbox"/>	CHANGE IN PERFORMANCE PERIOD:
<input type="checkbox"/>	CHANGE IN FUNDING:
<input type="checkbox"/>	ADMINISTRATIVE CHANGES:
<input checked="" type="checkbox"/>	OTHER (Specify type of modification): Appendix A - Restoration Projects Operating Plans / Scope Of Work Year 6; Appendix B - Updated Financial Plan Year 5; Financial Plan Year 6; Appendix C - Restoration Projects Statement of Work Project Areas Year 6;

Except as provided herein, all terms and conditions of the Grant/Agreement referenced in 1, above, remain unchanged and in full force and effect.

9. ADDITIONAL SPACE FOR DESCRIPTION OF MODIFICATION (add additional pages as needed):

10. ATTACHED DOCUMENTATION (Check all that apply):

<input checked="" type="checkbox"/>	Revised Scope of Work
<input checked="" type="checkbox"/>	Revised Financial Plan
<input type="checkbox"/>	Other:

11. SIGNATURES

AUTHORIZED REPRESENTATIVE: BY SIGNATURE BELOW, THE SIGNING PARTIES CERTIFY THAT THEY ARE THE OFFICIAL REPRESENTATIVES OF THEIR RESPECTIVE PARTIES AND AUTHORIZED TO ACT IN THEIR RESPECTIVE AREAS FOR MATTERS RELATED TO THE ABOVE-REFERENCED GRANT/AGREEMENT.

11.A. WISCONSIN DNR SIGNATURE <small>(Signature of Signatory Official)</small>	11.B. DATE SIGNED 07/23/2020	11.C. U.S. FOREST SERVICE SIGNATURE <small>(Signature of Signatory Official)</small>	11.D. DATE SIGNED
11.E. NAME (type or print): MIKE WARNKE		11.F. NAME (type or print): PAUL I.V. STRONG	
11.G. TITLE (type or print): Deputy Div. Administrator, Forestry		11.H. TITLE (type or print): Forest Supervisor	

12. G&A REVIEW

12.A. The authority and format of this modification have been reviewed and approved for signature by: <div style="display: flex; align-items: center;"> <div style="text-align: center; margin-right: 10px;"> NICOLE PELTIER U.S. Forest Service Grants & Agreements Specialist </div> <div style="font-size: small;"> Digitally signed by NICOLE PELTIER Date: 2020.07.20 12:53:24 -05'00' </div> </div>	12.B. DATE SIGNED
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**Botanical Surveys, Assessments, and Natural Area Site Visits
FY20**

APPENDIX C: Statement of work

Updated from Modification 8

I. Objectives:

Visit known rare plant locations in natural areas and perform site condition “check up” (attached) on the Laona-Lakewood Ranger District. Determine current status of rare plant population while also documenting condition of natural area on a “check up” form (attached). A small number of sites will need natural community inventory documentation.

- **Chequamegon Rare Plant Survey** (project 1): DNR’s Bureau of Natural Heritage Conservation (NHC) will visit natural areas on Washburn District of the Chequamegon-Nicolet National Forest (CNNF). There are two objectives for this work. First, they will complete “check ups” of each natural area, focusing on identifying disturbances (natural or anthropogenic) to the site. Secondly, NHC will revisit known rare plant populations throughout the district and document on NHC’s rare plant reporting form.
- **Nicolet Rare Plant Survey** (project 2): Due to a windstorm in July 2019, NHC was unable to complete work on the Lakewood-Laona District. NHC will visit natural areas on Laona-Lakewood District of the CNNF. There are two objectives for this work. First, they will complete “check ups” of each natural area, focusing on identifying disturbances (natural or anthropogenic) to the site. Secondly, NHC will revisit known rare plant populations throughout the district and document on NHC’s rare plant reporting form.
- **Aquatic Plant Lake Survey** (project 3): NHC will conduct Aquatic Plant surveys (on Lakes) that are within/adjacent to designated natural areas on the Eagle River-Florence and Laona-Lakewood Ranger District. This will allow for early detection/rapid response of invasive aquatic plants and will also provide an assessment of aquatic integrity.
- **Natural Area Survey** (project 4): Conduct ecological assessment of 20 designated natural areas in the Eagle River-Florence and Laona-Lakewood Ranger Districts. Use standard NHI methodology.
- **Updated Conservation Assessment** (project 5): Update conservation assessments for selected species. Distribution, Abundance, and Status: update Appendix A in existing assessments, and review existing conservation assessment to ensure it is still accurate.

II. Tasks and Timeline:

Deliverables:

- Project 1 & 2: The NHC will submit a “check up” form for each site visited in the Laona-Lakewood District to CNNF. The focus of these forms is to identify any disturbances, particularly from human use but also natural disturbances such as windthrow. NHC will also submit rare plant reports on any CNNF sensitive species revisited in 2019, including any previously unknown populations. NHC will use a rare plant form designed by NHC. The CNNF will provide:
 - Chequamegon Rare Plant Survey:

- A list and maps for the Washburn District natural areas (attached)
 - Locator map of natural areas on the Chequamegon side (attached)
 - Rare plant trend information (attached)
 - List of rare plants that occur in natural areas on the Washburn District (attached)
 - Geodatabase with rare plant occurrences. (attached)
 - Template/form for reporting natural area conditions. (attached)
 - Past natural area check-up forms for reference. (attached)
 - A USFS Yale key for access (requires the State to sign a USDA-Forest Service Personal Custody Property Receipt and acknowledge financial responsibility for the value of items lost or damaged).
- Nicolet Rare Plant Survey:
 - Locator map of natural areas on Nicolet side (Eagle River-Florence and Laona-Lakewood Districts (attached)
 - List of rare plants that occur in natural areas on LA-LK District (attached)
 - List of rare plants that occur in natural areas on LA-LK District (attached)
- Project 3: NHC will provide a list of aquatic species and relative abundance of that species for each lake surveyed (noting invasive species). The CNNF will provide:
 - Surveys for both non-native and native plants in 91 lakes greater than 10 acres that are within or adjacent to designated natural areas on the Eagle River-Florence Ranger Districts. List of lakes to be surveyed (attached).
 - Project 4: NHC will complete NHI community inventory forms for the sites that are surveyed. The CNNF will provide:
 - Botanical/community inventory in 20 natural areas that currently lack adequate documentation.
 - List of natural areas needing community inventory (attached).
 - Project 5: (Conservation Assessments) NHC will update the Botrychium mormo conservation assessment providing current information about distribution, abundance, and status. Also, assessment Appendix A should be updated and existing conservation assessment should be reviewed to ensure it is still accurate.

The tasks and general timeline for this project are as follows:

Time	Description
Winter/early Spring annually	Forest Service will determine which stands to survey and provide data and information to cooperator
Late Spring/Summer/early annually	State will conduct rare plant surveys and inspect Natural Areas of interest.
December 31 st annually	Final Report Due

Deadline for work: December 31st, 2020.

District	Project Area	Acres	Cost Estimate	Timeline or Priority
Washburn	Rare Plant monitoring in Natural Areas (MA 8 EFG - RNA, SMA, Old Growth areas); also complete monitoring “check up” at each natural area visited	There are 16 natural areas totaling 11,582 acres on the Washburn District, with 36 rare plant locations.	\$15,000	2020
Lakewood-Laona	Rare Plant monitoring in Natural Areas (MA 8 EFG - RNA, SMA, Old Growth areas); also complete monitoring “check up” at each natural area visited	Complete work on sites that were not accessible in 2019 due to windstorms if time allows. There are 63 natural areas (42, 680 acres) with approximately 120 rare plant locations on this district. Of these, 53 sites and at least 50 rare plant populations were not able to be surveyed in 2019 due to the storm.	\$28,000	2021
Eagle River Florence & Laona- Lakewood Ranger Districts	Aquatic Plant Surveys of lakes (NNIS and native plants)	21 lakes	\$16,000	When time or opportunity allows
Eagle River Florence & Laona- Lakewood	Botanical and community assessment and documentation	20 existing natural areas (which lack adequate inventory/documentation)	\$11,000	When time or opportunity allows
Species Range-wide	Botrychium mormo Conservation Assessment Update	1 Conservation Assessment Update	\$4,500	When time or opportunity allows

III. Point of Contacts:

- Forest Service: Linda Parker, 715-762-5169, lrparker@usda.gov
- Wisconsin DNR: Kevin Doyle, 608-416-3377, KevinF.Doyle@wisconsin.gov

IV. Maps/Diagrams:

See attachments.

Lake Superior Collaborative
Restoration Coordination

APPENDIX A: Operating Plan

New Project

I. Project Description:

The purpose of this project is for the Forest Service and the WDNR to work with the University of Wisconsin Extension to fund a portion of the partnership coordinator position for the Lake Superior Landscape Restoration Partnership (LSLRP) or Lake Superior Collaborative (LSC). This coordinator would facilitate restoration activities across jurisdictional boundaries to get the most beneficial projects positioned in the best locations on the Lake Superior Basin within the National Forest boundary; thus, meeting the Good Neighbor Authorities by delivering on-the-ground restoration on the Chequamegon-Nicolet National Forest to restore or improve watershed health. Also, these coordinated projects would advance Forest Plan priorities and the Forest Service mission.

The USDA Forest Service's mission is to sustain the health, diversity, and productivity of the Nation's forests and grasslands to meet the needs of present and future generations. Through partnerships and collaboration, the Chequamegon-Nicolet National Forest has been implementing restoration activities in numerous watersheds in the Lake Superior basin. The Forest Service, Wisconsin Department of Natural Resources (WDNR), and National Resources Conservation Service (NRCS) have begun a multi-year partnership working across traditional boundaries to directly improve fish and wildlife habitat, water quality, and reduce wildfire risk in tributaries of Lake Superior.

The Lake Superior Collaborative (LSC) was founded in 2018 to coordinate protection and restoration efforts in Wisconsin's portion of the Lake Superior Basin. It is composed of governmental agencies (federal, state, tribal, and local), academic institutions, and non-governmental organizations that work in or near Wisconsin's Lake Superior Basin.

The LSC's greatest challenge is the need for coordination. LSC partners are committed by organizational mission and passion to support a science-based, landscape-scale approach to conservation in Wisconsin's Lake Superior Basin. Their individual work is informed by local and indigenous knowledge, and they have a shared understanding of the climate, water quality, and flooding vulnerabilities of the region. Many of our groups have partnered for years, but they have not had the capacity to coordinate these partnerships where their priorities and actions are fully integrated and aligned; thus, LSC needs support for a person to coordinate these efforts to restore the Lake Superior Basin.

II. Forest Service Shall:

- Continue to provide leadership and oversight to the LSC and provide strategic support to the LSC coordinator position to carry out the implementation of the partnership's goals and objectives.
 - a. This may include supplying data, maps, or facilitating activities implemented by the LSC coordinator.

- Support restoration efforts on National Forest land, supporting the goals of the LSC and landscape scale conservation.

III. State Shall:

- Provide funding for the LSC coordinator through the University of Wisconsin Extension.

IV. Goals:

- Support the LSC to maintain or enhance the natural resources of the Lake Superior Basin
- Promote and coordinate the LSC partnerships across boundary in natural resource restoration.

VII. Long Term Benefits:

The Chequamegon-Nicolet National Forest should move closer to achieving the Forest Plan ecological goals, standards, and guidelines within the Lake Superior Basin. One of these goals include, increasing the health and sustainability of the ecosystems within the National Forest (Forest Plan Goal 1). By supporting work across boundaries, amongst many partners, the overall landscape of the Lake Superior Basin, of which the CNNF is apart of, is improved.

In addition, this project should promote the sustainability of the Lake Superior Collaborative, aiding the Forest in achieving Forest Plan Goal 3.3, “cooperate with individuals and organizations, and local, state, tribal, and federal governments to promote ecosystem health and sustainability across landscapes.”

Lake Superior Collaborative
Restoration Coordination

APPENDIX C: Statement of Work

New Project

I. Objectives:

- Aid the restoration of the Lake Superior Basin and promote cooperation among natural resource organizations

II. Tasks and Timeline:

The Forest Service agrees to financially support a portion of the Lake Superior Collaborative (LSC) Coordinator annually, not to exceed \$15,000 per year for 5 years. These efforts should promote the sustainability of the LSC and advance the restoration of the Chequamegon-Nicolet National Forest. This financial support will be evaluated annually within the performance reporting mechanisms in the GNA agreement. Adjustments to this support will be made accordingly.

Annually, the Coordinator completes a work plan report or similar. The work plan report will likely include both direct work plan accomplishments and narrative reports on important areas of work. This annual report will aid the State in documenting the accomplishments of the Coordinator in supporting Forest Service goals, objectives, and guidelines.

Tasks that aid the Forest Service in accomplishing its goals, objectives, and guidelines include but are not limited to:

- Orchestrating the coordination of partners and their roles or expertise in all phases of large interactive collaboration.
- Plan and facilitate the Lake Superior Landscape Restoration Partnership (LSLRP) steering committee meetings at least quarterly and more if appropriate.
- Work with the steering committee to set agendas and facilitate the larger partnership meetings at least bi-annually and more if appropriate.
- Coordinate and provide facilitation, when needed, for the LSLRP resource team meetings and communicate effectively with members to promote collaboration, negotiation, and problem solving. Ensure passing of information and development of the resource teams to the steering committee and larger partnership.
- Continue to work with the LSLRP resource teams to refine the priority areas and priority activities.
- Assist steering committee in developing, enhancing, and refining the LSLRP goals and objectives.
- Maintain and recruit partners as appropriate. Work to expand the capacity of the LSLRP to carry out its goals and objectives.
- Assist in the compilation of the annual consolidated report of accomplishment for the LSLRP.

The tasks and general timeline for this project are as follows:

Timeline	Task Description
~ June/July Annually	LSC Coordinator accomplishments from the previous year will be gathered so that a summary can be added to the State's end-of-year performance reporting.

III. Point of Contacts:

- Forest Service:
 - Jenifer Maziasz (Recreation Program Manager, Washburn District), 715-373-2667 x5235, Jennifer.maziasz@usda.gov
 - Adam Felts (Special Authorities Program Manager), 715-362-1335, adam.felts@usda.gov

- Wisconsin DNR:
 - Rebecca Diebel (Policy Advisor, WDNR), 608-444-5774, Rebecca.diebel@wisconsin.gov
 - Michele Wheeler (Lake Superior Coordinator, WDNR), 715-685-2912, michele.wheeler@wisconsin.gov

- UW-Madison:
 - Brian Kline (Senior Program and Fiscal Administrative Specialist, UW-Madison, Division of Extension), 608-262-1369, brian.kline@wisc.edu

Agreement No. 15-GN-11091300-109

Common Stand Exam
FY21 (July 1, 2020 – June 30, 2021)

APPENDIX C: Statement of Work

Update from Modification 7

Summary of Acres (more detailed stands list is attached)

District	Project Area	Est. No. Stands	Estimated Acres	Est. No. Plots	Data Needed By
Great Divide	Morse	143	4,846	777	June 30, 2021

Detailed maps, specifications, data codes, etc. will be provided later.

Updated 06/02/2020

Matt Bushman, Adam Felts, and Karl Welch

Update from Modification 7

District	Project	Compartment	Stand #	Acres	# of Plots
Great Divide	Morse	155	2	45	7
Great Divide	Morse	155	3	39	6
Great Divide	Morse	155	4	25	5
Great Divide	Morse	155	5	9	3
Great Divide	Morse	155	6	15	4
Great Divide	Morse	155	8	29	5
Great Divide	Morse	155	9	7	3
Great Divide	Morse	155	10	17	4
Great Divide	Morse	155	13	24	5
Great Divide	Morse	155	14	11	4
Great Divide	Morse	156	1	49	7
Great Divide	Morse	156	2	12	4
Great Divide	Morse	156	3	19	4
Great Divide	Morse	156	5	65	8
Great Divide	Morse	156	6	14	4
Great Divide	Morse	156	7	32	6
Great Divide	Morse	156	8	6	3
Great Divide	Morse	156	9	41	7
Great Divide	Morse	156	10	18	4
Great Divide	Morse	156	12	10	3
Great Divide	Morse	156	14	51	7
Great Divide	Morse	156	15	46	7
Great Divide	Morse	156	16	17	4
Great Divide	Morse	156	17	23	5
Great Divide	Morse	156	18	19	4
Great Divide	Morse	156	19	36	6
Great Divide	Morse	156	20	84	9
Great Divide	Morse	156	23	16	4
Great Divide	Morse	156	25	20	4
Great Divide	Morse	156	26	12	4
Great Divide	Morse	156	29	16	4
Great Divide	Morse	156	31	7	3
Great Divide	Morse	156	33	13	4
Great Divide	Morse	181	1	85	9
Great Divide	Morse	181	3	24	5
Great Divide	Morse	181	4	9	3
Great Divide	Morse	181	5	143	11
Great Divide	Morse	181	6	7	3
Great Divide	Morse	181	7	8	3
Great Divide	Morse	181	9	4	3
Great Divide	Morse	181	10	15	4
Great Divide	Morse	181	13	13	4
Great Divide	Morse	181	14	40	6
Great Divide	Morse	181	17	71	8
Great Divide	Morse	181	18	55	7
Great Divide	Morse	181	20	22	5
Great Divide	Morse	181	23	52	7
Great Divide	Morse	181	24	26	5

District	Project	Compartment	Stand #	Acres	# of Plots
Great Divide	Morse	181	25	71	8
Great Divide	Morse	181	27	43	7
Great Divide	Morse	181	28	4	3
Great Divide	Morse	181	29	10	3
Great Divide	Morse	182	4	47	7
Great Divide	Morse	182	6	34	6
Great Divide	Morse	182	7	111	10
Great Divide	Morse	182	8	36	6
Great Divide	Morse	182	12	37	6
Great Divide	Morse	182	13	8	3
Great Divide	Morse	182	14	79	8
Great Divide	Morse	182	15	38	6
Great Divide	Morse	182	16	10	3
Great Divide	Morse	182	19	15	4
Great Divide	Morse	182	20	22	5
Great Divide	Morse	182	22	62	8
Great Divide	Morse	182	23	32	6
Great Divide	Morse	182	24	144	11
Great Divide	Morse	182	25	72	8
Great Divide	Morse	182	26	127	11
Great Divide	Morse	186	2	51	7
Great Divide	Morse	186	6	51	7
Great Divide	Morse	186	12	14	4
Great Divide	Morse	186	13	48	7
Great Divide	Morse	186	14	19	4
Great Divide	Morse	186	15	36	6
Great Divide	Morse	186	17	61	8
Great Divide	Morse	186	19	24	5
Great Divide	Morse	186	20	15	4
Great Divide	Morse	186	21	13	4
Great Divide	Morse	186	24	11	4
Great Divide	Morse	186	25	36	6
Great Divide	Morse	186	29	13	4
Great Divide	Morse	186	30	22	5
Great Divide	Morse	186	31	15	4
Great Divide	Morse	186	40	47	7
Great Divide	Morse	186	42	31	6
Great Divide	Morse	186	46	15	4
Great Divide	Morse	186	47	9	3
Great Divide	Morse	186	51	38	6
Great Divide	Morse	186	54	8	3
Great Divide	Morse	187	2	19	4
Great Divide	Morse	187	3	51	7
Great Divide	Morse	187	4	51	7
Great Divide	Morse	187	5	36	6
Great Divide	Morse	187	8	28	5
Great Divide	Morse	187	9	84	9

District	Project	Compartment	Stand #	Acres	# of Plots
Great Divide	Morse	187	10	17	4
Great Divide	Morse	187	13	16	4
Great Divide	Morse	187	15	26	5
Great Divide	Morse	187	17	23	5
Great Divide	Morse	187	19	68	8
Great Divide	Morse	187	21	52	7
Great Divide	Morse	187	22	36	6
Great Divide	Morse	187	23	34	6
Great Divide	Morse	187	24	21	5
Great Divide	Morse	187	27	48	7
Great Divide	Morse	187	29	2	3
Great Divide	Morse	187	31	4	3
Great Divide	Morse	187	32	12	4
Great Divide	Morse	200	13	49	7
Great Divide	Morse	200	14	64	8
Great Divide	Morse	200	20	14	4
Great Divide	Morse	200	22	55	7
Great Divide	Morse	200	23	41	7
Great Divide	Morse	200	24	68	8
Great Divide	Morse	201	2	30	5
Great Divide	Morse	201	4	40	6
Great Divide	Morse	201	5	50	7
Great Divide	Morse	201	7	234	15
Great Divide	Morse	201	9	7	3
Great Divide	Morse	201	10	23	5
Great Divide	Morse	201	11	25	5
Great Divide	Morse	201	14	30	5
Great Divide	Morse	201	15	31	6
Great Divide	Morse	201	18	6	3
Great Divide	Morse	201	19	12	4
Great Divide	Morse	201	20	11	4
Great Divide	Morse	201	22	8	3
Great Divide	Morse	201	25	27	5
Great Divide	Morse	201	26	18	4
Great Divide	Morse	201	27	11	4
Great Divide	Morse	201	28	53	7
Great Divide	Morse	201	29	16	4
Great Divide	Morse	201	30	42	7
Great Divide	Morse	201	32	26	5
Great Divide	Morse	201	33	20	4
Great Divide	Morse	201	35	51	7
Great Divide	Morse	201	38	9	3
Great Divide	Morse	230	6	39	6
Great Divide	Morse	230	8	49	7
Great Divide	Morse	230	9	7	3
Great Divide	Morse	230	13	35	6
Great Divide	Morse	230	18	6	3
Great Divide	Morse	230	19	11	4
		District totals	143	4,846	777

Prescription Writing

APPENDIX C: Statement of Work

Update from Modification 8

The U.S. Forest Service has identified timber sales for which detailed silvicultural prescriptions are needed during calendar year 2021. These sales will be marked during FY 2022, either by Forest Service timber markers or by contract timber markers, and offered for sale in 2021 or later. Prescriptions are generally needed by June 30, 2021.

Prescriptions will be written using the 2015 Chequamegon-Nicolet Rx Template, incorporating all applicable Forest Plan Standards and Guidelines, as well as any additional requirements set forth in the project-level NEPA document.

The tasks and general timeline for this project are as follows:

DISTRICT	TIMBER SALE	PROJECT	STANDS	ACRES	NEEDED BY
Medford-Park Falls	Gypsy	Park Falls Hdwds EIS	4	193	6/30/2021
Medford-Park Falls	North Lynne	Park Falls Hdwds EIS	4	187	6/30/2021
Great Divide	Ember	Black Torch EA	9	253	6/30/2021
Great Divide	Moose Junction	Black Torch EA	19	537	6/30/2021
Great Divide	Witch Hunt	Black Torch EA	13	379	6/30/2021
TOTAL			49	1,549	

Cooperative Watershed Management and Restoration
Alvin Creek Culvert Replacement

APPENDIX C: Statement of Work

New Project

I. Objectives:

1. Accomplish the Stream Crossing Inventory and Stream Restoration project proposal (Appendix A) goals and long-term benefits, like enhance the Forest's water resources.
2. Restore stream connectivity by replacing the high priority stream crossing on State Highway 70 at Alvin Creek.
3. Alvin Creek is a high-quality Class II trout water and the headwaters of this system provides an important cold-water refuge for the trout associated with the Brule River. The USFS has invested considerable habitat work on this system including removing impoundments upstream of STH 70. The habitat improvements have resulted in a significant fisheries improvement in this waterway.
4. DOT has a highway project on STH 70 that will be constructed in 2020. By utilizing Good Neighbor Authority funds to restore and improve Alvin Creek, DOT is willing to cost share certain aspects of this project including road surface replacement, traffic control, and project administration (project bidding and construction oversight). The USFS is also assisting with the engineering and design.

II. Tasks and Timeline:

The tasks and general timeline for this project are as follows:

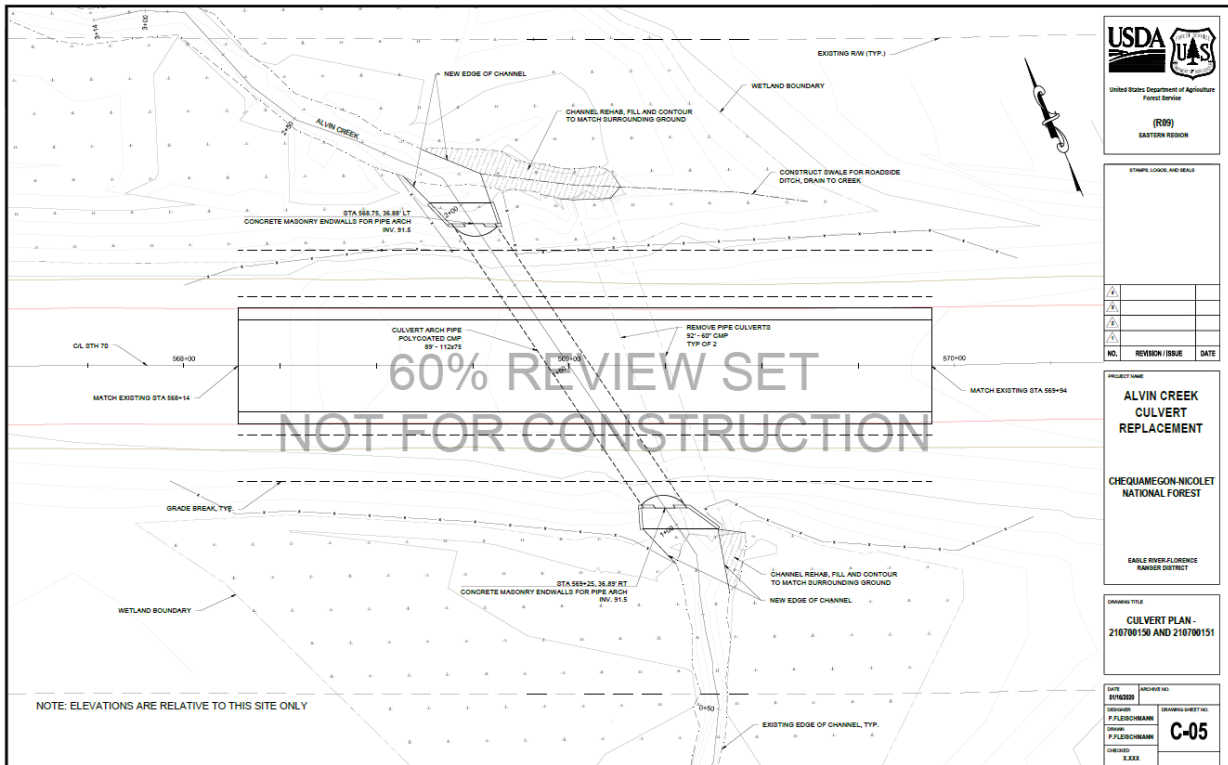
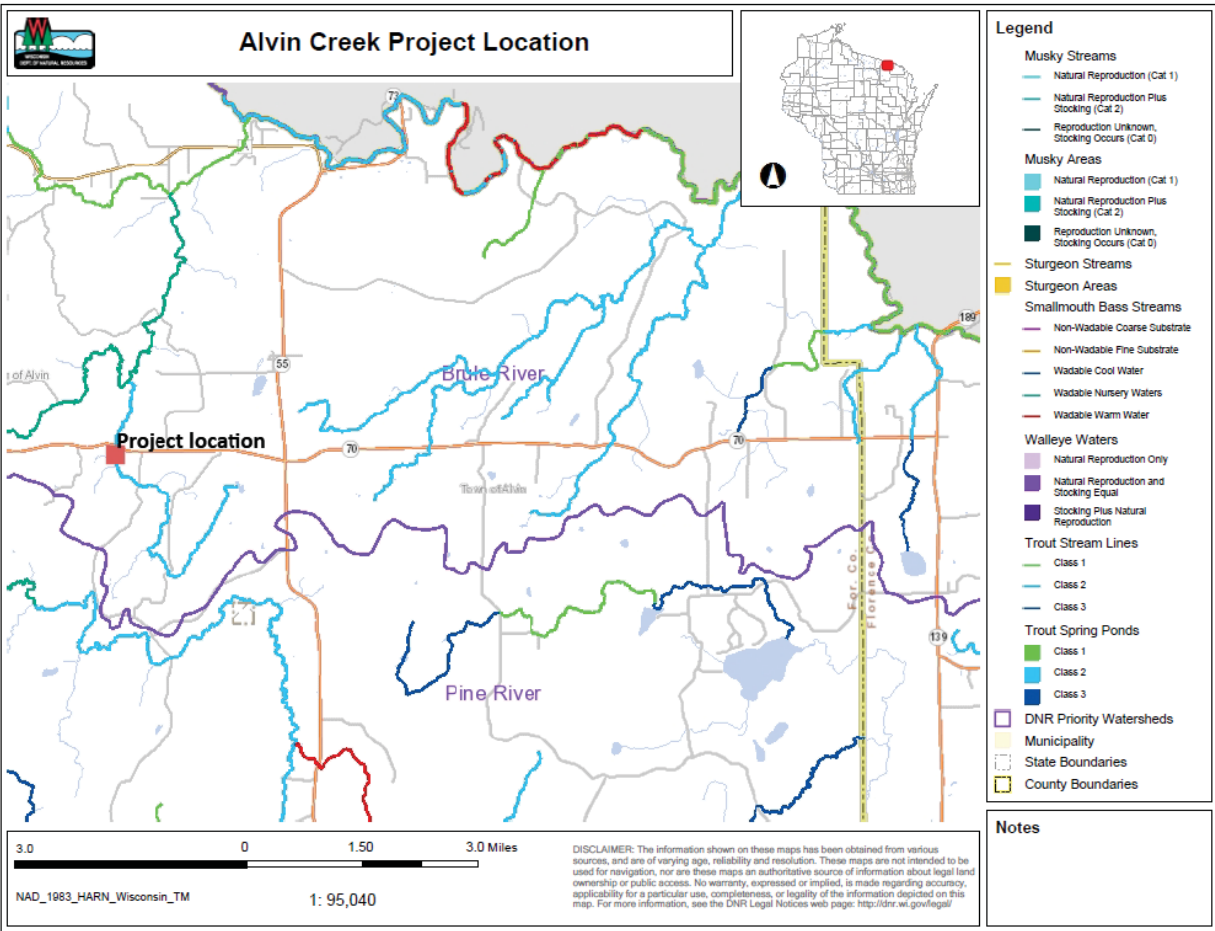
Timeline	Task Description (w/ cost estimate)	Cost
April 1, 2020	Finalize project design plans and DOT funding project agreement	USFS design
Summer 2020	Alvin Creek culvert replacement	\$200,000

III. Point of Contacts:

- Forest Service: Chris Ester 715-362-1304, Christopher.Ester@usda.gov
- Wisconsin DNR: Jon Simonsen 715-367-1936, Jonathan.Simonsen@wisconsin.gov

IV. Maps/Diagrams:

(see next page for project location and preliminary design)



Cooperative Watershed Management and Restoration Stream Crossing Inventory & Stream Restoration

APPENDIX A: Operating Plan

New Project

I. Project Description:

The Cooperative Watershed Management and Restoration project seeks to improve the condition of water resources on the Chequamegon Nicolet National Forest and because of this, this project is an ideal candidate for the use of Good Neighbor Authorities program income.

Roads and trails inflict the greatest direct detrimental effect to water resources on the Forest compared to other past and current effects. These impacts are especially apparent following storm events. Planning and prioritization systems that are based on accurate field collected site level data are essential tools for managers seeking to restore problem road stream crossings. This is especially critical considering the increased storm frequency and intensity that is expected with climate change predictions.

One of the Forest's limiting factors toward this goal is the lack of complete and accurate road and trail stream crossing data. The Forest conducted an initial inventory of road stream crossings on the Forest in the late 1990s, which it then supplemented in the mid 2000s with an update to the inventory procedures that included stream channel morphology factors. With the passing of time, several catastrophic storm events and culvert upgrades, the existing road stream crossing inventory has become outdated and inaccurate. The first task of this project will be to update the road and trail stream crossing inventory. In addition to inventory efforts, this project will help fix high priority problem culverts and implement stream restoration projects. Culvert and stream restoration sites will be identified and prioritized based on inventory data as well as when cost share opportunities arise on high-quality waterways.

Since 1998, the Forest's fisheries and watershed programs have worked to upgrade problem culverts. Designs have sought to accommodate passage of all life stages of aquatic organism, account for the passage of large floods with their sediment and debris, all while facilitating natural stream channel processes. Since 1998, over 285 culverts have been upgraded on the Forest, many of which have since survived extreme flood events. The program is recognized as a pioneer in the science of road stream crossing restoration, including stream simulation techniques for aquatic organism passage.

Overall, this work is strongly supported by diverse stakeholders. This is in large part due to the broad public benefits of this project ranging from improved water quality, more reliable/flood resilient infrastructure for timber harvest, and improved access for recreational use.

II. Forest Service Shall:

1. Work cooperatively with the DNR and other partners.
2. Act as the lead agency to identify priority watersheds and update inventory procedures.

3. Provide training for field crews on updated inventory procedures or other watershed restoration actions.
4. Provide technical assistance and oversight of all activities taking place on the Forest.
5. Provide technical assistance on road and trail crossing survey and design standards for crossing replacement and stream restoration work
6. Permit acquisition

III. State Shall:

1. Work cooperatively with the USFS and other partners.
2. Secure field-going crews through DNR means and/or partnerships.
3. Secure needed GIS infrastructure & data analysis through DNR means and/or partnerships to:
 - a. identify inventory sites
 - b. evaluate watershed characteristic flood risk factors
4. Facilitate the training of DNR or partner's field staff and continually ensure quality of data collected.
5. Update the Forest's existing road and trail stream crossing inventory utilizing procedures and methods provided by the Forest at all previously inventoried sites (1,019 sites).
6. Inventory previously unidentified stream crossings on USFS system roads, dual jurisdiction roads, USFS system trails, and select USFS non-system roads and trails or LiDAR identified unauthorized or temporary roads.
7. Ensure data collected will be preserved and in an electronic /GIS format so that project partners and the general public will have appropriate data access.
8. Coordinate other watershed restoration actions with the Forest early in the planning stages to ensure implementation of Forest Service standards, expectations, and legal requirements.
9. Conduct and implement watershed restoration actions including but not limited to:
 - a. Assist and review the survey and design of road and trail stream crossings
 - b. Implement road stream crossing replacement projects
 - c. Restoration of natural channel and floodplain process in streams and rivers
 - d. Restoration of resilient riparian vegetation
 - e. Enhancement of aquatic habitat
10. Ensure Non-Native and Invasive Species protocols and BMPs are followed to prevent the spread of NNIS.

IV. Goals:

1. Enhance the Forest's water resources
2. Provide a means for unified cooperation on road and trail stream crossing management to meet the shared goals of the Forest and Cooperator.
3. Produce an up to date, complete inventory and public database of road and trail stream crossings on the Forest to equip Forest Service managers and local municipalities with an effective tool for planning and prioritizing culvert restoration actions.

VII. Long Term Benefits:

This project will provide a tool for efficient road stream crossing restoration planning to implement hydrologically and biologically conscious road stream crossing upgrades for the continued enhancement of the Forest's aquatic resources and infrastructure. A resilient road network makes possible the multiple uses of the National Forest such as timber harvest and recreation. Collaboration with the cooperator and other interested governmental entities could extend benefits to off-Forest road and trail stream crossings while providing a greater benefit to Wisconsin's aquatic resources.

Cooperative Watershed Management and Restoration Stream Crossing Inventory

APPENDIX C: Statement of Work

New Project

I. Objectives:

1. Conduct a road and trail stream crossing inventory within and adjacent to the Forest.
2. Collect GIS based data that will enable road stream crossing risk analysis and prioritization for replacement.
3. Update inventory procedures including field and GIS metrics to enable a road stream crossing prioritization and flood risk rating system.
4. Contract for GIS analysis to identify road and flowline intersections (of sufficient drainage basin size) to determine the field locations to collect inventory data.
5. Contract and train seasonal positions to collect field data.
6. Data to be collected in all watersheds within the boundary of the Forest. Select priority watersheds connected/ adjacent the Forest will also be included (see section IV).
7. Contract GIS analysis to identify watershed flood risk rating parameters (stream power, basin area, available storage, etc.).
8. Set up a web-based GIS tool for data collection and management.
9. Implement a DNR GIS ArcHub strategy for data sharing and mapping in coordination with stakeholders.
10. Complete project within five years.

II. Tasks and Timeline:

Timeline	Task Description	Cost Estimate
Project Management	Administer project, reviewing data, reporting, monitoring	\$11,170 / year
GIS: Annual- pre field season	GIS evaluation to determine inventory sites	\$5,000 / year
	GIS evaluation of flood risk watershed characteristics	\$25,000 / year
	ArcHub community license sharing with stakeholders	\$5,000 / year
Project supplies	Tablets, waders, GPS, etc. ¹	\$12,000
Annual field season (May to October)	Crew of 4 to collect inventory data ²	\$80,000 / year
	Field supplies	\$4,000/year
	Vehicle rental & gas	\$31,000/ year

¹ This is a one-time purchase. The re-occurring supply estimate is intended to reflect replacement of more durable items (waders, batteries, etc.).

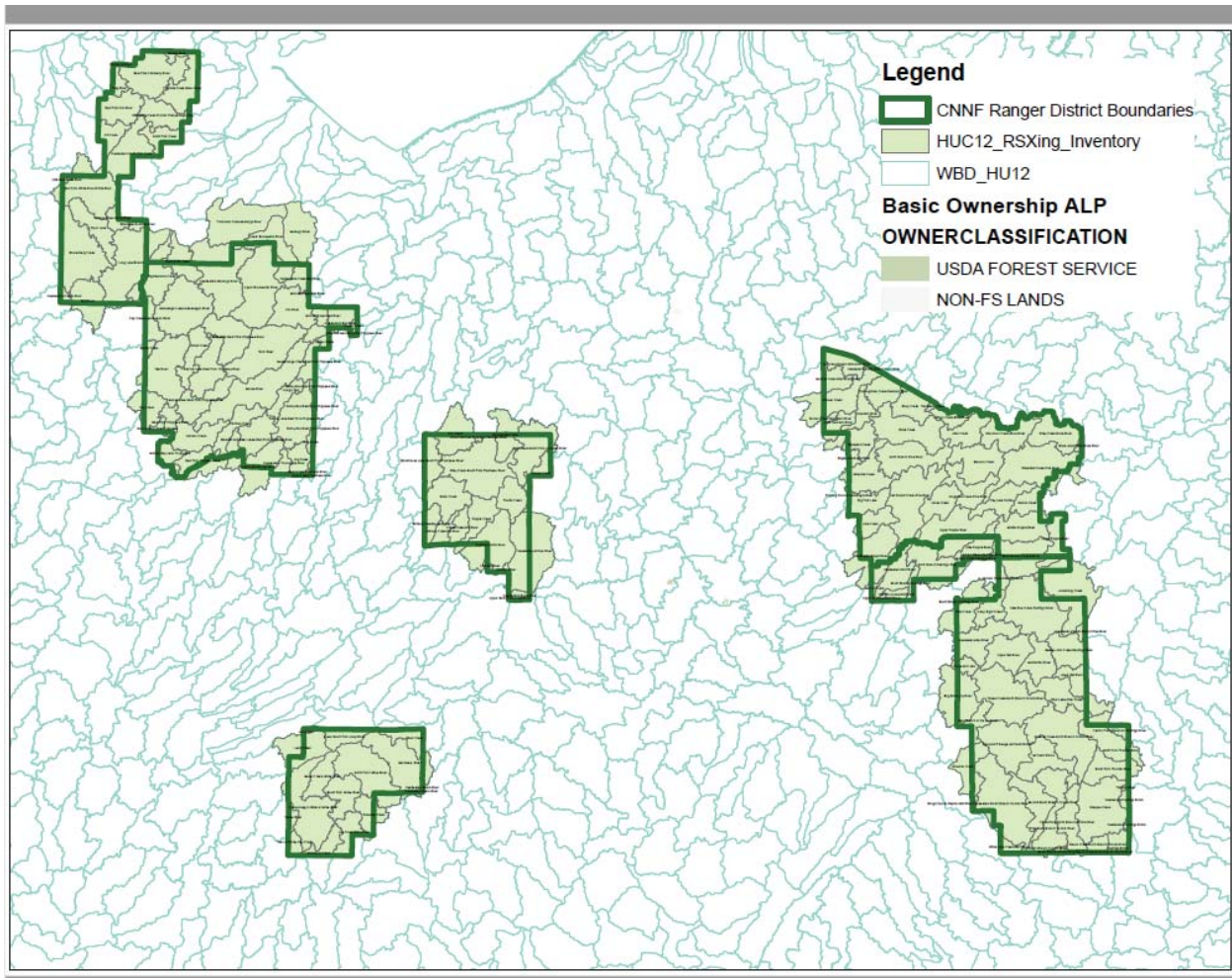
² A crew of 4 would be hired for the first field season. Subsequent years may expand the field crew.

III. Point of Contacts:

- Forest Service: Chris Ester 715-362-1304, Christopher.Ester@usda.gov
- Wisconsin DNR: Jon Simonsen 715-367-1936, Jonathan.Simonsen@wisconsin.gov

IV. Maps/Diagrams:

- Next page shows a map of watersheds to be inventoried.



**Groundwater and Geological Resource Inventory and Investigations
Phase 1**

APPENDIX C: Statement of Work

Update from Modification 8

I. Project Description:

Conduct groundwater and geological resource inventories and investigations of identified groundwater/surface water management issues within the Chequamegon-Nicolet National Forest (CNNF). Prepare reports and maps and make this information available to the Forest Service and public.

Phase 1 includes two years of work for projects that begin in FY2020. A separate statement of work will be provided for future phases.

II. Forest Service Shall:

1. Coordinate with WGNHS on project activities to support field work and deliverables.
2. Provide peer review for draft reports.

III. State Shall:

Complete the proposed project activities for three projects: 1) Investigation of hydrogeology in the Bayfield Peninsula, 2) Drummond area water level investigation, and 3) Groundwater level monitoring. See below for study tasks and timeline. The projected project end date for this phase of the work is June 2021

IV. Goals:

1. Investigate hydrogeology including groundwater elevation and flow direction, geologic deposits, and connectivity in the Bayfield Peninsula.
2. Support concurrent mapping of glacial geology in Bayfield County. This project will significantly increase the amount of available data on the geologic material at depth in the Bayfield Peninsula.
3. Measure, report, and archive groundwater levels in monitoring wells; TA-217 and nested piezometers PR-088 and PR-089 (deep bedrock well).
4. Protect and manage the groundwater/surface water resource and associated ecosystems.
5. Investigate Drummond area seepage lakes water level fluctuations.

V. Objectives:

1. The sand barrens along the Bayfield Peninsula is an important recharge area for Bayfield County that contributes groundwater to many wells near Lake Michigan. However, the lack of hydrogeologic data in this location makes it difficult to ascertain the subsurface geologic materials, bedrock depth, hydrogeologic connectivity, groundwater levels, and groundwater flow direction. Data are in particular lacking at depth, which is problematic

because the bedrock is expected to be more than 400 feet below ground surface. Collecting information on the area's hydrogeology will significantly improve the ability to manage the ecosystem and understand the potential impacts of contaminant transport.

2. Continue funding for US Geological Survey to measure, report, and archive groundwater levels in monitoring wells; TA-217 (Bend well) in the Medford Unit, Taylor County, and nested piezometers PR-088 and PR-089 (deep bedrock well) in the Park Falls Unit, Price County. The water quality/level data will be published on the statewide monitoring level network website.
3. Drummond area seepage lakes investigation of the wide fluctuation in lake levels from apparent wide fluctuation in groundwater levels in response to extreme precipitation events. Record high water levels in Pigeon lake and area lakes caused historic flooding and damage to road infrastructure and private residences.

VI. Tasks and Timeline:

The tasks and general timeline are as follows.

State FY 2020 (Begin July 2019): Total Budget \$191,000

1. Bayfield Peninsula Hydrogeology (year 1 of 2): Budget \$149,000
 - a. Drill up to two rotosonic cores in the Bayfield Peninsula to approximately 200 feet depth. A single, deeper core may be drilled if the water level is deeper than anticipated.
 - b. Complete geophysical logging in both of these locations.
 - c. Install nested monitoring wells in both of these locations and monitor water levels.
 - d. Sample groundwater for isotopes and water quality.
 - e. Log and interpret the core.
 - f. Complete grain size analysis.
2. Drummond area water level investigation: Budget \$40,000 (includes Task 3)
 - a. Install Drummond area lakes piezometers
 - b. Monitor piezometers
3. Groundwater level monitoring: Budget \$2,000 (included in Task 2, total)
 - a. USGS will continue to monitor TA-217 (Bend well) in the Medford Unit, Taylor County, and nested piezometers PR-088 and PR-089 (deep bedrock well) in the Park Falls Unit, Price County from January to June 2020 (already funded through December 2019).

State FY 2021: Total budget \$131,000 (updated to account for anticipated extra costs for drilling and well installation, as well as installing an air line at Horseshoe Lake well)

1. Bayfield Peninsula Hydrogeology (year 2 of 2): Budget \$108,000
 - a. Use data from rotosonic cores to inform 1:100,000 scale Pleistocene mapping. A map and accompanying report will be completed and published as part of a separate project.
 - b. Install air line at Horseshoe Lake well.

- c. Evaluate hydrogeology in the vicinity of the two wells, such as horizontal and vertical gradient, baseline water chemistry, findings from geophysical logging, and type and consistency of glacial deposits.
 - d. Publish a technical report of findings. Draft reports will be provided to USFS for peer review.
2. Drummond area water level investigation: Budget \$19,000 (Includes Task 3)
 - a. Continue monitoring water levels in Drummond area
 3. Groundwater level monitoring: Budget \$4,000 (included in Task 2 total)
 - a. USGS to monitor TA-217 and nested piezometers PR-088 and PR-089 for fiscal year.

For context, the below table inserts the above specific tasks with the tasks expected to be completed during the full lifetime of the project.

Time	Description	Phase
FY 2020 Projects	Bayfield Peninsula hydrogeology field data collection core drilling and cross section as part of WGNHS Pleistocene geologic mapping inventory for Bayfield County.	1
	Drummond area seepage lakes investigation of water level fluctuations. Install piezometers, collect data.	1
	Continue annual funding for US Geological Survey to measure, report, and archive groundwater levels in monitoring wells; TA-217 (Bend well) in the Medford Unit, Taylor County, and nested piezometers PR-088 and PR-089 (deep bedrock well) in the Park Falls Unit, Price County. The water quality/level data will be published on the statewide monitoring level network website.	1
FY 2021 Projects	2nd year Bayfield Peninsula hydrogeology data analysis bore hole(s) and cross section as part of WGNHS Pleistocene geologic mapping inventory for Bayfield County.	1
	2nd year Drummond area seepage lakes investigation water level fluctuations.	1
	Measure, report, archive monitoring wells; TA-217, PR-088 and PR-089.	1
FY 2022 Projects	Measure, report, archive monitoring wells; TA-217, PR-088 and PR-089.	
	3rd year Drummond area seepage lakes investigation water level fluctuations.	
	Bend Site groundwater baseline study.	
FY 2023 Projects	Measure, report, archive monitoring wells; TA-217, PR-088 and PR-089.	
	4th year Drummond area seepage lakes investigation water level fluctuations.	
	2nd year Bend Site groundwater baseline study.	
FY 2024 Projects	Measure, report, archive monitoring wells; TA-217, PR-088 and PR-089.	
	5th year Drummond area seepage lakes investigation water level fluctuations.	
	3rd year Bend Site groundwater baseline study.	

	Begin investigation of surface water/groundwater interactions in the Elvoy and Brule creeks watershed located within the Eagle River/Florence Ranger District in Vilas and Forest Counties.	
FY 2025 Projects	Measure, report, archive monitoring wells; TA-217, PR-088 and PR-089.	
	Investigate surface water/groundwater interactions in the Elvoy and Brule creeks watershed located within the Eagle River/Florence Ranger District in Vilas and Forest Counties.	

IV. Point of Contacts:

- **Forest Service: Greg Knight, 715-748-4875, greg.knight3@usda.gov**
- **Wisconsin DNR: Rebecca Diebel, 608-444-5774, Rebecca.diebel@wisconsin.gov**
- **Wisconsin Geological and Natural History Survey: Anna Fehling, anna.fehling@wisc.edu**

Wildlife Species of Concern Survey Project

APPENDIX A: Operating Plan

New Project

I. Project Description:

The Chequamegon-Nicolet National Forest has a long history of collaborating with Wisconsin DNR Bureau of Natural Heritage Conservation to conduct annual American Marten, Bald Eagle/Osprey/Great Blue Heron, and small mammal surveys on National Forest and adjacent lands. In these surveys, the National Forest is trying to better understand presence, absence, and occupation of nest/den sites. In addition, the small prey survey will document presence and abundance of preferred marten prey (i.e., small mammals), and determine any impacts forest management has on these wildlife species. Good Neighbor Authority program income is meant to improve or manage wildlife health and, thus, this project meets the criteria for utilizing this authority.

The WDNR as a collaborator in these efforts, has and continues to conduct this survey work with financial assistance from the CNNF. Upon completion of surveys, data has then been provided annually to the CNNF for planning and management purposes.

The Forest and the WDNR has continued interest in sustaining this unprecedented collaboration to achieve landscape scale habitat/species conservation.

II. Forest Service Shall:

1. Collaborate with the WDNR (e.g., Bureau of Natural Heritage Conservation and the Bureau of Wildlife Management) on planning and supporting these surveys with maps and other desired/necessary planning information.
2. Continue to provide field support (when requested) in the implementation of survey elements (e.g., placing/checking cameras, placing bait, and checking gear to ensure security after placement).
 - a. Records (including date and location) for any American marten observed by Forest Service staff during the year.
 - b. A copy of any trail camera pictures for any American marten photographed during the year.
 - c. Information on forest interior road access by American marten (plowed vs. not plowed) for the winter season.
 - d. Records (including date and location) for any new bald eagle, osprey, or heron nest found by Forest Service staff during the survey period.
 - e. For the small mammal survey, identify stands of selected forest types that are planned for upcoming management practices.

3. Continue (via its wildlife program and through the implementation of the 2004 Forest Plan) to support/conduct habitat maintenance on CNNF land to support the conservation of these wildlife resources.

III. State Shall:

1. Collaborate with the CNNF on planning and implementation of needed wildlife surveys for these species.
 - Provide analysis and assessment results from conducting these surveys.
 - Complete winter snow tracking for mammals
 - Complete winter tracking surveys for each route using the DNR marten tracking data sheets using the established WDNR marten snow tracking protocol.
 - Record GPS locations of all marten tracks encountered during the surveys.
 - Measure the track straddle width (to the nearest millimeter) for marten and fisher tracks encountered during the surveys.
 - Record other mammal species tracks and small mammal species live-trapped or encountered during the surveys on the data sheets.
 - Provide the CNNF's Wildlife Biologist with a digital copy of annual tracking and small mammal surveys report completed during the year. The report will include specific locations (GPS lat/long) of each verified marten track recorded, and locations of small trapping sites with a list and of small mammals encountered and abundances of each species.
 - The State shall not submit copies of field data sheets, unless specifically requested.
2. Complete American marten trail camera survey and research monitoring
 - Complete trail camera monitoring project using DNR established protocols.
 - Record GPS locations of trail camera stations used during the surveys.
 - Record camera station data on location, dates visited, adjacent habitat, etc.
 - Provide the CNNF's Wildlife Biologist with a digital copy of an annual project report. The report will include specific locations of each photographed marten, detection rates, occupancy probabilities, and a population estimate.
3. Complete bald eagle, osprey, and heron nest occupancy surveys
 - Complete nest activity surveys each species using low-altitude fixed-winged aerial surveys following the established DNR survey protocol.
 - Record GPS locations of all new bald eagle, osprey, and heron nest observed during the surveys.
 - Record other pertinent nest information including, nest tree species, nest support structure type, status of the tree (alive or snag), and activity status of the birds.

- Provide the CNNF’s Wildlife Biologist with a digital copy of annual Eagle and Osprey nesting surveys report completed each year. The report will include specific locations (GPS lat/long) of each new verified bald eagle, osprey, and heron nest as well as summarized results on total nests by species found on the forest. The State shall not submit copies of field data sheets, unless specifically requested.
4. Complete small mammal trapping surveys and assess impact of forest management on these species.
- Coordinate field surveys, lead field crew, summarize and analyze data collected, & write annual project reports.
 - Collect field data on small mammal communities and abundance, and forest stand metrics across 3 distinct forest types.
 - Provide an annual report of field work completed to include a list of species collected, abundance, and habitat metrics by forest type.

IV. Goals and Objectives:

1. Sustain current and increase survey efforts to improve management of these Sensitive species on the CNNF land base, allowing better effects analysis for Forest Plan accomplishment.
2. Increase the ecological understanding and effectiveness of management efforts by improving wildlife habitat conditions at a landscape level.

V. General Tasks and Timeline

Time	Description
Annually beginning FY 2019/2020	Continue the analysis and delivery of the survey outcomes annually to CNNF.
	Implement annual or as needed surveys of these Species of Conservation Concern within CNNF boundaries as negotiated.

VI. Long Term Benefits:

Long-term benefits include continued collaboration between the Agencies to maintain successful management of these wildlife species and their associated habitats, allowing continued development of a shared working relationship that benefits wildlife and the public. These additional surveys will allow more work to get accomplished on the CNNF. For example, the more data we have on these sensitive species the better the National Forest can understand the impacts it creates when implementing the Forest Plan.

This project will reduce costly annual coordination in securing Forest Service funding for these surveys. Also, this project will provide more data to better understand monitoring trends for these wildlife species, informing management direction or changes.

CNNF Wildlife Species of Concern Survey Project

APPENDIX C: Statement of Work

New Project

I. Project Description:

The Chequamegon-Nicolet National Forest (CNNF) has a long history of collaborating with Wisconsin DNR Bureau of Natural Heritage Conservation to conduct annual American Marten, Bald Eagle/Osprey/Great Blue Heron, and small mammal surveys on National Forest and adjacent lands. In these surveys, the National Forest is trying to better understand presence, absence, and occupation of nest/den sites.

II. Objectives:

1. Sustain current and increase survey efforts to improve management of these Sensitive species on the CNNF land base, allowing better effects analysis for Forest Plan accomplishment.
2. Increase the ecological understanding and effectiveness of management efforts by improving wildlife habitat conditions on the Forest at Landscape levels beyond CNNF ownership.

III. Tasks and Timeline

Timeline	District	Project Description	Area	Cost Estimate
June 2021	Eagle River-Florence, and Great Divide	Winter snow tracking for mammals - survey 10 routes annually covering approx. 220 miles of forest service roads within each Marten Protection Area using established protocols	Survey routes include plowed forest service roads throughout both districts covering an area of approximately 340,000 acres.	\$6,000 (annual)
June 2021	Eagle River-Florence	American marten trail camera survey and research - 14-week field season with DNR checking 120 camera sites checked annually following protocol	Camera stations are located at 120 sites providing survey coverage of ~13,500 acres.	\$13,000 (annual)
June 2021 – Dec. 2023	Great Divide	Small mammal survey and assessment of forest management impacts on American marten prey in select forest types	Survey in selected forest stands within district. Study area is approximately 10,000 acres.	\$112,700

June 2021	All districts	Bald eagle, osprey, and heron nest occupancy surveys - Survey all known eagle, osprey, and heron nests within CNNF once during nesting season using established DNR protocols	Survey known and reported nests for these bird species found across entire CNNF property area.	\$5,000 (annual)
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IV. Point of Contacts:

- Forest Service: Dan Eklund, 715-762-5194, deklund@usda.gov
- Wisconsin DNR: Jim Woodford, 715-365-8856, james.woodford@wisconsin.gov

V. Maps/Diagrams:

Local districts will provide maps or diagrams if needed.

Attachment: Exhibit B

USFS Agreement No.: 15-GN-11091300-109
 Cooperator Agreement No.:

Mod. No.: Year 5

Financial Plan Matrix: Note: All columns may not be used. Use depends on source and type of contribution(s).

COST ELEMENTS	FS CONTRIBUTIONS		STATE CONTRIBUTIONS + PI		(e) Total
	(a5) Noncash	(b) Cash to State	(c) Noncash	(d5) PI (from FS tbr) Project Costs	
Direct Costs					
Salaries/Labor	\$79,675.00	\$0.00	\$0.00	\$733,700.00	\$813,375.00
Travel	\$0.00	\$0.00	\$0.00	\$50,000.00	\$50,000.00
Other	\$12,405.50	\$0.00	\$0.00	\$557,700.00	\$570,105.50
Supplies/Materials	\$0.00	\$0.00	\$0.00	\$44,500.00	\$44,500.00
Contracting	\$0.00	\$0.00	\$0.00	\$272,000.00	\$272,000.00
Subtotal	\$92,080.50	\$0.00	\$0.00	\$1,657,900.00	\$1,749,980.50
Coop Indirect Costs		\$0.00	\$0.00	\$0.00	\$0.00
FS Overhead Costs	\$11,049.66				\$11,049.66
Total	\$103,130.16	\$0.00	\$0.00	\$1,657,900.00	
Total Project Value:					\$1,761,030.16

	Estimated	Actual
Program Income Earned	\$1,935,500.00	\$0.00
Program Income Balance	-\$515,201.25	-\$642,701.25

Program Income Project Cost Analysis, Column Yr5 (d5)

Program Income Carry over		-\$642,701.25
Program Income	Estimates	Actuals
Timber Value Received	\$2,000,000.00	\$0.00
NFF Payment	\$34,500.00	\$0.00
KV Fund Payments	\$0.00	\$0.00
Local Road Aid Payments	\$30,000.00	\$0.00
SUBTOTAL	\$64,500.00	\$0.00
Proram Income Earned	\$1,935,500.00	\$0.00

GNA Timber Expenses

Salaries (FTE & LTE)	\$440,000.00	
Fringe (FTE & LTE)	\$200,600.00	
Total DNR Salaries/Labor	\$640,600.00	
DNR Travel	\$40,000.00	
DNR Supplies & Services	\$40,000.00	
Contracting Expenses	\$85,000.00	
Other	\$85,000.00	

TOTAL COST	\$890,600.00	\$0.00
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Program Income Projects

Salaries (FTE & LTE)	\$62,000.00	
Fringe (FTE & LTE)	\$28,100.00	
Total DNR Salaries/Labor	\$93,100.00	
DNR Travel	\$10,000.00	
DNR Supplies & Services	\$4,500.00	
Contracting Expenses	\$187,000.00	
Other	\$472,700.00	

TOTAL COST	\$917,400.00	\$0.00
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Program Income Balance	-\$515,201.25	-\$642,701.25
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Program Income Projects***

	Biotic Surveys - NHC	APHIS contract	Bat	Ash	Aspen	Event Response	WGNHS	Prescription Writing	Wildlife Surveys	WIDOT Alvin Creek	Total
salary				\$2,000	\$60,000						\$62,000.00
fringe				\$900	\$27,200						\$28,100.00
total salary/fringe			\$3,000	\$2,900	\$87,200						\$93,100.00
travel					\$10,000						\$10,000.00
supplies/services			\$200	\$1,200	\$3,100						\$4,500.00
contracting		\$187,000									\$187,000.00
other						\$10,000	\$190,000	\$48,700	\$24,000	\$200,000	\$472,700.00
Total Estimate	\$ 60,000	\$187,000	\$3,200	\$7,000	\$187,500	\$10,000	\$190,000	\$48,700	\$24,000	\$200,000	\$917,400.00

***RED=Updated w/ Mod. 9

WORKSHEET FOR

FS Non-Cash Contribution Cost Analysis, Column (a5)

Use this worksheet to perform the cost analysis that supports the lump sum figures provided in the matrix. NOTE: This worksheet auto populates the relevant and applicable matrix cells.

Cost element sections may be deleted or lines may be hidden, if not applicable. Line items may be added or deleted as needed. The Standard Calculation sections provide a standardized formula for determining a line item's cost, e.g. cost/day x # of days=total, where the total is calculated automatically. The Non-Standard Calculation sections provide a write-in area for line items that require a calculation formula that is other than the standardized formulas, e.g. instead of salaries being calculated by cost/day x # of days, costs may be calculated simply by a contracted value that is not dependent on days worked, such as 1 employee x \$1,200/contract= \$1,200. Be sure to review your calculations when entering in a Non-Standard Calculation, and provide a brief explanation of units used to make calculation, e.g. '1 month contract,' on a line below the figures.

Salaries/Labor

Standard Calculation

Job Description	Cost/Day	# of Days	Total
Forest Silviculturist (Overhead/Accomplishr	\$416.00	5.00	\$2,080.00
District Silviculturist (Rx Review)	\$335.00	35.00	\$11,725.00
District TMA (Contract Review/Outyear Pla	\$335.00	25.00	\$8,375.00
Program Database Inputs (Accomplishmen	\$280.00	35.00	\$9,800.00
Appraisal/Billing/Harvest Reporting	\$280.00	15.00	\$4,200.00
Quality Control/Monitoring	\$1,600.00	3.00	\$4,800.00
Quality Control Walkthroughs	\$280.00	5.00	\$1,400.00
Program Management Resource work	\$416.00	30.00	\$12,480.00
Program Management Agreements	\$375.00	20.00	\$7,500.00
Data/File Sharing and Preparation	\$280.00	8.00	\$2,240.00
Implementation Resource Review/Outyear	\$335.00	35.00	\$11,725.00
Assessment/Identification of Project Area	\$335.00	10.00	\$3,350.00
			\$0.00

Non-Standard Calculation

Total Salaries/Labor

\$79,675.00

Travel

Standard Calculation

Travel Expense	Employees	Cost/Trip	# of Trips	Total
				\$0.00

Non-Standard Calculation

Total Travel

\$0.00

Equipment

Standard Calculation

Piece of Equipment	# of Units	Cost/Day	# of Days	Total
Fleet	5.00	\$28.85	86.00	\$12,405.50

Non-Standard Calculation

Total Equipment

\$12,405.50

Supplies/Materials

Standard Calculation

Supplies/Materials	# of Items	Cost/Item	Total
			\$0.00

\$0.00

Non-Standard Calculation

Total Supplies/Materials **\$0.00**

Other

Standard Calculation

Item		# of Units	Cost/Unit		Total
\$0.00					

\$0.00

Non-Standard Calculation

Total Printing **\$0.00**

Contracting

Standard Calculation

Item		# of Units	Cost/Unit		Total
\$0.00					

\$0.00

\$0.00

Non-Standard Calculation

Total Other **\$0.00**

Subtotal Direct Costs	\$92,080.50
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Forest Service Overhead Costs

Current Overhead Rate	Subtotal Direct Costs		Total
12.00%	\$92,080.50		\$11,049.66

Total FS Overhead Costs **\$11,049.66**

TOTAL COST	\$103,130.16
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Attachment: Exhibit B

USFS Agreement No.: 15-GN-11091300-109
 Cooperator Agreement No.:

Mod. No.: Year 6

Financial Plan Matrix: Note: All columns may not be used. Use depends on source and type of contribution(s).

COST ELEMENTS	FS CONTRIBUTIONS		STATE CONTRIBUTIONS + PI		(e) Total
	(a6) Noncash	(b) Cash to State	(c) Noncash	(d6) PI (from FS tbr) Project Costs	
Direct Costs					
Salaries/Labor	\$79,675.00	\$0.00	\$0.00	\$51,190.00	\$130,865.00
Travel	\$0.00	\$0.00	\$0.00	\$11,200.00	\$11,200.00
Other	\$12,405.50	\$0.00	\$0.00	\$219,350.00	\$231,755.50
Supplies/Materials	\$0.00	\$0.00	\$0.00	\$2,400.00	\$2,400.00
Contracting	\$0.00	\$0.00	\$0.00	\$225,200.00	\$225,200.00
Subtotal	\$92,080.50	\$0.00	\$0.00	\$509,340.00	\$601,420.50
Coop Indirect Costs		\$0.00	\$0.00	\$0.00	\$0.00
FS Overhead Costs	\$11,049.66				\$11,049.66
Total	\$103,130.16	\$0.00	\$0.00	\$509,340.00	
Total Project Value:					\$612,470.16

	Estimated	Actual
Program Income Earned	\$2,000,000.00	\$0.00
Program Income Balance	\$847,958.75	-\$642,701.25

Program Income Project Cost Analysis, Column Yr6 (d6)

Program Income Carry over		-\$642,701.25
Program Income	Estimates	Actuals
Timber Value Received	\$2,000,000.00	\$0.00
NFF Payment	\$0.00	\$0.00
KV Fund Payments	\$0.00	\$0.00
Local Road Aid Payments	\$0.00	\$0.00
SUBTOTAL	\$0.00	\$0.00
Proram Income Earned	\$2,000,000.00	\$0.00

GNA Timber Expenses

Salaries (FTE & LTE)	\$0.00	
Fringe (FTE & LTE)	\$0.00	
Total DNR Salaries/Labor	\$0.00	
DNR Travel	\$0.00	
DNR Supplies & Services	\$0.00	
Contracting Expenses	\$0.00	
Other	\$0.00	

TOTAL COST	\$0.00	\$0.00
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Program Income Projects

Salaries (FTE & LTE)	\$0.00	
Fringe (FTE & LTE)	\$0.00	
Total DNR Salaries/Labor	\$51,190.00	
DNR Travel	\$11,200.00	
DNR Supplies & Services	\$2,400.00	
Contracting Expenses	\$225,200.00	
Other	\$219,350.00	

TOTAL COST	\$509,340.00	\$0.00
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Program Income Balance	\$847,958.75	-\$642,701.25
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WORKSHEET FOR

FS Non-Cash Contribution Cost Analysis, Column (a6)

Use this worksheet to perform the cost analysis that supports the lump sum figures provided in the matrix. NOTE: This worksheet auto populates the relevant and applicable matrix cells.

Cost element sections may be deleted or lines may be hidden, if not applicable. Line items may be added or deleted as needed. The Standard Calculation sections provide a standardized formula for determining a line item's cost, e.g. cost/day x # of days=total, where the total is calculated automatically. The Non-Standard Calculation sections provide a write-in area for line items that require a calculation formula that is other than the standardized formulas, e.g. instead of salaries being calculated by cost/day x # of days, costs may be calculated simply by a contracted value that is not dependent on days worked, such as 1 employee x \$1,200/contract= \$1,200. Be sure to review your calculations when entering in a Non-Standard Calculation, and provide a brief explanation of units used to make calculation, e.g. '1 month contract,' on a line below the figures.

Salaries/Labor				
Standard Calculation				
Job Description		Cost/Day	# of Days	Total
Forest Silviculturist (Overhead/Accomplishr		\$416.00	5.00	\$2,080.00
District Silviculturist (Rx Review)		\$335.00	35.00	\$11,725.00
District TMA (Contract Review/Outyear Pla		\$335.00	25.00	\$8,375.00
Program Database Inputs (Accomplishmen		\$280.00	35.00	\$9,800.00
Appraisal/Billing/Harvest Reporting		\$280.00	15.00	\$4,200.00
Quality Control/Monitoring		\$1,600.00	3.00	\$4,800.00
Quality Control Walkthroughs		\$280.00	5.00	\$1,400.00
Program Management Resource work		\$416.00	30.00	\$12,480.00
Program Management Agreements		\$375.00	20.00	\$7,500.00
Data/File Sharing and Preparation		\$280.00	8.00	\$2,240.00
Implementation Resource Review/Outyear		\$335.00	35.00	\$11,725.00
Assessment/Identification of Project Area		\$335.00	10.00	\$3,350.00
		\$0.00		\$0.00

Non-Standard Calculation				
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Total Salaries/Labor				\$79,675.00
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Travel				
Standard Calculation				
Travel Expense	Employees	Cost/Trip	# of Trips	Total
				\$0.00

Non-Standard Calculation				
Total Travel				\$0.00

Equipment				
Standard Calculation				
Piece of Equipment	# of Units	Cost/Day	# of Days	Total
Fleet	5.00	\$28.85	86.00	\$12,405.50

Non-Standard Calculation				
Total Equipment				\$12,405.50

Supplies/Materials				
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Standard Calculation				
Supplies/Materials		# of Items	Cost/Item	Total
				\$0.00

Non-Standard Calculation

Total Supplies/Materials				\$0.00
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Other				
Standard Calculation				
Item		# of Units	Cost/Unit	Total
				\$0.00

Non-Standard Calculation

Total Printing				\$0.00
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Contracting				
Standard Calculation				
Item		# of Units	Cost/Unit	Total
				\$0.00

Non-Standard Calculation

Total Other				\$0.00
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Subtotal Direct Costs	\$92,080.50			
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Forest Service Overhead Costs

Current Overhead Rate	Subtotal Direct Costs			Total
12.00%	\$92,080.50			\$11,049.66

Total FS Overhead Costs				\$11,049.66
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TOTAL COST	\$103,130.16			
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