Agreement No. 15-GN-11091300-109
Common Stand Examination
Restoration Project A

Appendix A: Operating Plan/Statement of Work

I. Project Description:

This project will examine aerial photographs/imagery, confrim/delineating/modify current stand boundaries, and collect vegetative data (inventory) of Chequamegon-Nicolet National Forest (CNNF) lands using the Forest Service Common Stand Exam (CSE) protocol. The purpose is to obtain the site, setting, and tree characteristics required to identify stand conditions and capabilities in providing the CNNF information with which management determinations for natural resources including silvicultural treatment will be made. The data will be specifically used to support future environmental analyses required to be completed before timber sale establishment begins on CNNF lands.

An annual statement of work will identify the specific compartments/stands to be inventoried.

II. Forest Service Shall:

1. Provide list by Ranger District of Compartment/Stand/Acres for each stand identified for data collection along with number of plots required per stand
2. Provide Compartment Maps showing present stand boundaries to be used as reference.
3. Provide access to spatial stand files, aerial imagry and other spatial data to support data collection
4. Provide electronic access to *Exams PC and Exams CE software and Region 9 Common Stand Exam Field Guide* (CSE Field Guide); https://www.fs.fed.us/nrm/fsveg/
5. Identify projects areas that include additional/reduced measurements to be taken that differ from Standard Quick Plot protocol (ie 10 year radial growth, Live Crown Ration, disease or damage agents etc)

III. State Shall:

1. Locate, establish, measure and record vegetative data on sample plots according to CSE Field Guide and specific project area requirements
2. Provide the appropriate completed electronic setting data forms, tree/plot data and other required forms in Exams PC/ExamsPDR (.cse) read-only file format.
3. Mark accurate plot locations, travel routes, and azimuths on photo acetate overlays, maps, or shapefiles. The acetate overlay, if used, shall be marked with the aerial photo identification and compartment/area identification.
4. Plot updated stand delineations on the aerial photo acetate overlay, map, or shapefile.
5. Submit stand list containing stand numbers with corresponding number of plots, examiner names(s) and dates(s).
6. Maintain a back-up copy until work has been accepted.

Appendix A: Operating Plan/Statement of Work

IV. Goals:

1. Conduct additional acreage of vegetation inventory to support increased environmental analysis associated with increases in the CNNF timber program outputs.
2. Gather information to identify ecosystems at risk of or undergoing insect and disease infestations such as maple decline, emerold ash borer, spruce bud worm etc

V. Objectives:

1. Update existing stand boundaries and stand level tree characteristics on lands identified as suitable for timber production within the CNNF
2. Use data to increase CNNF efficiencies throughout the environmental planning process including more accurate proposed timber sale actions and fewer post decision acreage deferrals
3. Identify infestations of forest pests and vulnerable ecosystems to monitor when insect or diseases become established in or adjacent to CNNF land

VI. Tasks and Timelines:

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

Time	Description
Late Winter/early Spring annually	Forest Service will determine which compartments/stands to inventory and provide information to State
Anytime throughout the year	Inventory may conducted during any season and in any conditions.
June 30th (14-18 months after providing compartment/stand list)	Submit updated stand delineations and inventory date in .cse electronic format

VII. Long Term Benefits:

Long-term benefits include assisting the CNNF in accelerating the pace and scale of schievement of Goals and Objectives identified in the CNNF Land and Resource Management Plan. Specifically those Goals and Objectives associated with maintaining healthy forest communities and delivery of forest products to meet the needs of society. Updated inventory will allow the CNNF to become more efficient with project development for environmental analyses and utilize internal resources to further expedite analyses.

Appendix A: Technical Specifications

DEFINITIONS

The following are definitions that refer to data elements and attributes for collecting Common Stand Exam data.

Chain. One chain is equal to 66 feet.

CSE (.cse) File. File format containing field data that has been created using Exams PDR or Exams PC software. The file extension is .cse.

Inspection. The actions taken by the CNNF to determine if DNR's methods and data meet requirements. The methods for inspection and follow-up are described in the Section E.3 Acceptance and E.4 Re-work.

Quality Assurance. The actions taken by the CNNF to assess the results to determine that they meet requirements. The methods for quality assurance are described in the Section E.3 Acceptance and Inspection and E.4 Rework.

Navigation. Navigation is the process of traveling from one place to another and knowing where you are in relation to your desired course.

Plot/Tree Data Form. The Plot/Tree Data form is used to collect data at the plot level and is independent of the information collected at the setting level. This data is collected individually for all sample plots in the stand.

PDR (.pdr) File. Personal Data Record is a file format containing template information that will be collected in the field. The file extension is .pdr. This file will be provided to the contractor by the Forest Service prior to the commencement of work.

Sample Design Form. The Sample Design form contains information about how the data was collected, which trees, shrubs and cover are measured, and how the measurements shall be converted to pre-acre values.

Setting Data Form. The Setting Data form in used to collect data that uniquely identifies each stand.

Stand. A stand is a community, particularly of trees, possessing sufficient uniformity as regards composition, age, spatial arrangement, or condition, to be distinguishable from adjacent communities, so forming a silvicultural or management entity.

PLOT LOCATION AND ESTABLISHMENT

LOCATING STANDS TO BE EXAMINED

Appendix A: Technical Specifications

The CNNF will furnish to the DNR a list of compartment and stand numbers to be examined. Compartment maps showing the present boundaries of the stands to be examined will be provided. These compartment maps will be used as a reference. The old stand boundaries do not necessarily meet current stand typing requirements. Before beginning the field work in each compartment/area, the DNR will stereoscopically examine the aerial photographs or other imagery of that compartment/area. Some stand boundaries may be delineated on aerial photos prior to contracted work. It is the DNR's responsibility to confirm or correct boundaries of the stands to be examined, on the acetate overlays, maps, or shapefiles.

Preliminary stand delineation from the aerial photographs is generally based on soil type, forest types, size/density, roads, streams, trails, previous stand data, and other factors affecting management. Individual stands shall be contiguous. New forested stands must be at least 10 acres and non-forested stands must be at least ½ acre in size. Stands smaller than this standard should be considered inclusions.

2. During field examination, stand boundaries will be refined as needed based on differences in forest type, size, and density of forest vegetation, stand age, and other factors encountered which would affect management decisions.

PLOT LOCATION AND NUMBER.
The number of plots for each stand will be determined by the CNNF based on the table below. Stands will be sampled by measurements in individual plots dispersed throughout the stand. The number of sample plots is based on the acreage of the stand. If additional stands are broken out of the originally delineated stand, the number of plots will be based on the acreage for each stand. New forested stands must be at least 10 acres and non-forested stands must be at least ½ acre in size. New stands should be numbered with the same number as the original stand number with an added nine (9) character (for example, if stand 0010 is split into two stands one will retain the original stand 010 and the new stand should be labeled 9010). The following guide will be used to determine the number of sample locations needed in each stand:

Appendix A: Technical Specifications

Stand acres	Number of sample (plot) locations
1-10	3
11-20	4
21-30	5
31-40	6
41-60	7
61-80	8
81-100	9
101+	10 + 1 additional plot for each increment of 25 acres over 125, not to exceed 20 plots per stand. For example, a 156-acre stand will have 12 plots.

Sample plot locations will be distributed evenly throughout each assigned stand. The DNR will establish travel routes and plot locations on an acetate overlay, map, or shapefile for each stand examined. A starting point, the azimuth, and the distance in chains or hundreds of feet between plots will be shown on the travel route on the acetate overlay, map, or shapefile for the stand. Plots will be numbered consecutively within stands in the order examined according to the indicated route of travel. The distance between sample locations should not be less than three chains where possible. No plot center shall be located closer than 1 chain from the stand boundary. Plot center locations shall be adjusted if needed to avoid special protection areas such as streamside zones, seeps, sinkhole ponds, etc.

STAND TRAVEL ROUTE ESTABLISHMENT

A non-biased travel route will be established prior to entering a stand for sampling.

1. Travel routes shall represent a good cross-section of the stand proportional to the shape of the stand. Minimize the number of abrupt route changes necessary to sample irregular stands. Identify plot locations by number. Maintain a legible record of the travel routes and plot locations on an acetate overlay. Travel routes and plot locations shall be approved prior to field work.

2. Point of Beginning: Travel routes will be started from a readily-definable reference point, either natural or man-made. The starting point of each individual travel route will be marked with two lengths of flagging. Write the compartment number and stand number on one of the pieces of flagging using permanent ink.

3. At the point where the DNR's cruise line crosses a road or trail within the stand, or ends at a road or trail, the DNR will tie a length of flagging. Write the compartment number and stand number on the flagging using permanent ink.

4. Flagging will be tied at eye level at the approximate mid-point between plots.

PLOT CENTER ESTABLISHMENT
Sample plot centers will be identified on the ground using a stake or wire flag as agreed upon with the COR. Tie flagging on the stake to mark it. Tie another 18-24 inch length of flagging to a tree or branch at eye level near plot center. Write the stand number and plot number on this flagging using permanent ink. The DNR shall provide colored flagging (color will be determined at the pre-work conference) which will last through all environmental conditions until inspections are completed.

COMMON STAND EXAM

DATA COLLECTION
The DNR shall locate, establish, measure and record data using variable plot data (10 basal area factor) that shall be taken at each designated sample point. Fixed radius plot data will only be collected when data for trees less than 1.0 inch in diameter at breast height is required (identified in solicitation and pre-work conference). CSE data shall be collected and recorded in accordance with the *CSE Field Guide* unless specifically modified by this Operating Plan. The DNR shall collect according to the Sample Design Form to complete the Setting Data Form and the Plot/Tree Data form, as specified in, Section C.3.5. – Data Collection.

Data Codes
The DNR shall use appropriate codes in accordance with the *CSE Field Guide*.

DATA COLLECTION FORMS
The following tables demonstrate the required fields for each form that is to be collected and recorded. All data shall be taken in accordance with the *CSE Field Guide*. An "X" in the Exam Level column indicates the required fields for this solicitation.

SETTING DATA FORM (EXHIBIT 2).
The Setting Data Form shall be used to record stand measurements, stand comments, as well as design parameters and references.

Field Name	Exam Level *Quick* Plot	Comments	Accuracy Standard	Data Source
Proclaimed Region	**X**	**09**	**No Error**	**CNNF**
Proclaimed National Forest	**X**	**02-Cheq; 06-Nic**	**No Error**	**CNNF**
District	**X**	**See field 3 table below**	**No Error**	**CNNF**
Location	**X**	**Compartment #**	**No Error**	**CNNF**
Stand Number	**X**		**No Error**	**CNNF**

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Project Name	**X**	**District Specific**	**No Error**	**CNNF**
Ownership	**X**	**USFS**	**No Error**	**CNNF**
State	**X**	**WI**	**No Error**	**CNNF**
County	**X**		**No Error**	**DNR**
Administrative Forest	**X**	**13**	**No Error**	**CNNF**
Date	**X**		**No Error**	**DNR**
Examination Level	**X**	**varies**	**No Error**	**CNNF**
Exam Purpose	**X**	**SE**	**No Error**	**CNNF**
Existing Vegetation Cover Type	**X**	**CSE User Guide Appendix E**	**No Error**	**DNR**
Structure	**X**	**CSE User Guide 4-14**	**No Error**	**DNR**
Acres	**X**		**No Error**	**CNNF**
Precision Protocol	**X**	**CSE_Q**	**No Error**	**CNNF**
Examiner	**X**		**No Error**	**DNR**
Stand Remarks 1/	**X**	**Brief & important comments on stand conditions.**	**N/A**	**DNR**
Stand Damage Category	**X**	**See Appendix 1**	**Best estimate**	**DNR**
Stand Damage Agent	**X**	**If needed "000"**	**N/A**	**DNR**
Stand Damage Severity	**X**	**See Appendix 1**	**Best estimate**	**DNR**
Damage Part	**X**	**See Appendix 1**	**Best estimate**	**DNR**

1/ Additional bonus points (1-2 each) will be awarded for remarks which provide accurate and meaningful information on the following:

- Coverage of established tree regeneration in the understory
- Presence and location of non-native invasive plants
- Location of raptor stick nests
- Appropriate prescription for site conditions and alternative prescriptions
- Identification of within stand inclusions (ponds, wetlands, rock outcrop, steep slopes, unique species, etc.)

Field 3: District codes

Code	District
01	Medford-Park Falls
02	Great Divide
03	Eagle River-Florence
04	Lakewood-Laona
05	Washburn

Stand Damage Category. Follow categories in Appendix 1 of this document.

Stand Damage Agent. Will always be coded 000.

Stand Damage Severity. Follow categories in Appendix 1 of this document.

Appendix A: Technical Specifications

Damage Part. Follow categories in Appendix 1 of this document.

More detailed insect, disease, weather, or fire damage data will only be collected on individual trees when required in the appendix to the Operating Plan and discussed at the pre-work conference.

SAMPLE DESIGN FORM.

The Sample Design Form shall be used to record design parameters as provided by the CNNF.

Required

Form Type	Method	Expansion Factor	Az	Condition	Subpop Filter	Variable	Minimum Value	Maximum Value
TREE	BAF	10			ALL	DBH	1.0	999.99

If seedling count is requested in solicitation (option 1)

Form Type	Method	Expansion Factor	Az	Condition	Subpop Filter	Variable	Minimum Value	Maximum Value
TREE	FRQ	700		OR	LIVE	DBH	0.1	0.99
					LIVE	HGT	0.5	4.5

If seedling count is requested in solicitation (option 2)

Form Type	Method	Expansion Factor	Az	Condition	Subpop Filter	Variable	Minimum Value	Maximum Value
TREE	FRQ	200		OR	LIVE	DBH	0.1	0.99
					LIVE	HGT	0.5	4.5

If seedling count is requested in solicitation (option 3)

Form Type	Method	Expansion Factor	Az	Condition	Subpop Filter	Variable	Minimum Value	Maximum Value
TREE	FRQ	300		OR	LIVE	HGT	0.2	0.99
				OR	LIVE	HGT	1.0	2.99
				OR	LIVE	HGT	3.0	4.99
				OR	LIVE	HGT	5.0	9.99
				OR	LIVE	HGT	10.0	99.99

Appendix A: Technical Specifications

PLOT/TREE DATA FORM (EXHIBIT 3).

The Plot/Tree Data Form shall be used to record tree measurement information. The DNR shall use the following criteria for selecting trees:

- The DNR shall use a 10 Basal Area Factor (BAF) prism to tally all live or dead conifer and deciduous trees ≥ 1.0" DBH for each stand. Trees will be recorded individually and in order starting with the tree to the right of 0° azimuth.

- **(If requested in the appendix to the Operating Plan)** The DNR shall install the 1/700 acre (4.45 foot radius) fixed subplot size used in tallying trees < 1.0" DBH. The fixed radius subplot tallies all live conifer and deciduous trees 0.1" DBH to 0.99" DBH and all live conifer and deciduous trees 0.5' height to 4.5' height.

- **(If requested in the appendix to the Operating Plan)** The DNR shall install the 1/200 acre (8.33 foot radius) fixed subplot size used in tallying trees < 1.0" DBH. The fixed radius subplot tallies all live conifer and deciduous trees 0.1" DBH to 0.99" DBH and all live conifer and deciduous trees 0.5' height to 4.5' height.

- **(If requested in the appendix to the Operating Plan)** The DNR shall install the 1/300 acre (6.8 foot radius) fixed subplot size used in tallying trees < 5.0" DBH following DNR Forest Regeneration Metric (FRM) methods. The fixed radius subplot tallies all seedlings and saplings by species and height class. Height classes are 2" to 1ft, 1-3 ft, 3-5 ft, 5-10 ft, and > 10 ft.

Field Name	Exam Level Quick Plot	Comments	Accuracy Standard	Data Source
Header Information	X		No Error	DNR
Plot Number	X		No Error	DNR
Latitude/Longitude	X	PDR/GPS necessary	10 meters	DNR
Tag ID	X		No Error	DNR
Tree Status	X	Live (L) or dead (D) only	No Error	DNR
Tree Class	If requested	Growing stock quality	90% of trees on plot correct	DNR
Site/Growth Trees	X	1 per stand	No Error	DNR
Tree Species	X		No Error	DNR
Tree Count	X		No Error	DNR
DBH	X	Trees ≥ 4.5 feet tall.	±10% 1/	DNR
Height	X	Site trees 2/ Snags 3/	±5%	DNR
Tree Age	X	Site trees only	±10%	DNR
Snag Decay	X		1 class	DNR

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1/ Trees must be within one of the appropriate size classes (see dbh section).
2/ Site trees to nearest foot
3/ Snags only need ocular estimate to nearest foot but there is no accuracy standard.

Latitude/Longitude.

Degrees – maximum of three digits. A leading zero may be entered (e.g. 090).
Minutes – two digits.
Seconds – four digits. Round to the nearest hundredth (e.g. 17.36).
Maximum allowed error for plot center location is 10 meters.

Tag ID. Record a number, unique within each plot. On each plot, start with "1" and increment one number for each tree record. Trees ≤ 1.00" to 4.99" DBH may be grouped by DBH class and species. Trees ≥ 5.0" DBH shall be tallied individually. The Tag ID, in conjunction with the plot number, uniquely identifies each line of tree data in the setting.

TREE STATUS. The following tree status codes shall be used.

Code	Description
L	Live
D	Dead

TREE CLASS. The following tree class codes shall be used.

Code	Description
DE	Desirable
AC	Acceptable
UA	Unacceptable
RF	Rough cull
RN	Rotten cull
SL	Salvable dead
US	Un-salvable dead

SITE/GROWTH TREES. A minimum of one site tree shall be recorded per stand. To facilitate inspection, all site trees shall be marked with flagging tied to the tree and labeled with the tree number, plot number, and "S" for site tree. A distance and azimuth from the nearest plot center (or GPS waypoint) shall be provided for off-plot site trees.

Code	Description
S	Site tree on plot
F	Site tree off plot

TREE SPECIES. Tree species shall be limited to the list included in Appendix H of the CSE Field Guide.

Appendix A: Technical Specifications

TREE COUNT. Trees ≤ 1.00" to 4.99" DBH may be grouped by DBH class and species. Trees ≥ 5.0" DBH shall be tallied individually. Tree count is based on the 10 factor basal area tally for each plot. If necessary, the distance measurement should be taken from the face of the tree to plot center and compared to Table K-1 in Appendix K of the CSE Users Guide. A tree within the limiting distance is "in" and beyond the limiting distance is "out".

DBH. The following size classes (in inches) shall be used. The accuracy standard (option 1) is required unless specifically in applicable Appendix C where more accuracy is required (option 2 will be used in that case).

DBH Classes	Code
1.00 to 2.99	2.0
3.00 to 4.99	4.0
5.00 to 6.99	6.0
7.00 to 8.99	8.0
9.00 to 10.99	10.0
11.00 to 12.99	12.0
13.00 to 14.99	14.0
Etc.	Etc.

Option 1: The DBH accuracy standard is all trees must be within a DBH class that is within 10% of the actual tree measurement. For example, if a tree actually measures 14.1 inches DBH (10%+/- provides a range of 12.69 to 15.51 inches), then this tree could be correctly coded as a 12, 14 or 16 inch tree. However, if any more than three trees on any one plot are outside their actual DBH class (14.0 inch in this example) then every tree beyond the three will be considered an error.

If any tree is recorded more than one class off its acceptable range (12, 14 or 16 in the example) the error will be doubled. For example, if a tree actually measures 14.1 inches in DBH but is recorded as 20 inches, the error would be doubled.

Option 2 **(only if requested in the appendix to this Operating Plan)**: If requested, Option 1 is deleted and the DBH accuracy standard is all trees must be within the proper DBH size class 90% of the time. Should a tree be recorded in a DBH class more than one class off then the error will be multiplied by the number of size classes it is off. For example, if a tree actually measures 8.9 inches, the actual DBH class code is 8.0. Should this tree be recorded in the 10.0 inch DBH size class, it would be considered an error. If the same tree is recorded as a 12.0 inch DBH size class, it would be consider 2 errors.

All trees from inspection plots will be added together and at least 90% of these trees must be within the appropriate size class. For example, if 4 plots had 9 trees each (totaling 36 trees) then there can only be 3 errors at a maximum to be within the accuracy standard.

SNAG DECAY. Follow the CSE Field Guide (Chapter 4, 4-98) to give a rating from 1-5.

Appendix A: Technical Specifications

INSPECTION

The CNNF reserves the right to conduct quality inspections on approximately 1% of plots established. Inspections will be used to provide feedback to DNR to refine future data collection procedures UNLESS deficiencies/gaps in data collection protocol are identified. In this case revisiting of previously established plots will be requested.

Agreement No. 15-GN-11091300-109

Common Stand Exam

Appendix C: Statement of Work

*****Adding 1,942 plots to original Modification 7 proposal****

Table 1: Summary of Previous Acres within CSE Project

District	Project Area	Est. No. Stands	Estimated Acres	Est. No. Plots	Data Needed By	Cost Estimate	GNA Agreement
~~Great Divide**~~	~~Morse-Stockfarm~~	~~431~~	~~14,097~~	~~2,315~~	~~June 30, 2020~~	~~-~~	Modification #7
~~Washburn**~~	~~Red Pine Rotation~~	~~116~~	~~6,555~~	~~741~~	~~June 30, 2020~~	~~-~~	Modification #7
~~Eagle River-Florence**~~	~~Lone Duck~~	~~211~~	~~3,540~~	~~852~~	~~June 30, 2020~~	~~-~~	Modification #7
Great Divide	Morse	143	4,846	777	June 30, 2021	$39,000	Modification #9
Lakewood-Laona	Armstrong Creek	88	4,974	593	July 1, 2022	$30,000	Modification #10
Great Divide	Stockfarm	136	3,973	674	July 1, 2022	$34,000	Modification #10
	Totals:	**367**	**13,793**	**2,044**	-	**$103,000**	

**This workload was mutually canceled due to capacity and contracting issues that were not foreseen. In summary, all workload from Modification #7 was canceled if it wasn't added to Agreement #1, Modification #9.

Table 2: Summary of Additional Acres

District	Project Area	Est. No. Stands	Estimated Acres	Est. No. Plots	Data Needed By	Cost Estimate	GNA Agreement
Medford-Park Falls	Medford SW	107	4,775	675	June 30, 2023	$25,000	Modification #11
Eagle River-Florence	Longrail	74	2,987	532	June 30, 2023	$20,000	Modification #11
Lakewood-Laona	Armstrong	83	2,431	420	June 30, 2023	$16,000	Modification #11
Great Divide	Stockfarm	70	1,533	315	June 30, 2023	$12,000	Modification #11
	Totals:	**334**	**11,726**	**1,942**	-	**$73,000**	

Estimated Start: In Progress
Estimated Completion: June 2023

Table 3: MPF Stand Details, Modification #11			
Compartment	**Stand**	**Acres**	**# of Plots**
3115	35	38	6
3115	39	39	6
Sub-Total		77	12
3125	19	28	5
3125	35	12	4
3125	30	26	5
3125	23	59	7
3125	12	155	12
3125	13	48	7
3125	24	16	4
3125	29	22	5
3125	7	61	7
3125	4	27	5
3125	8	49	7
Sub-Total		502	68
3126	29	100	10
3126	26	27	5
3126	23	21	5
3126	28	25	5
3126	25	24	5
3126	6	28	5
3126	4	29	5
3126	7	17	4
3126	8	23	5
3126	1	36	6
3126	2	29	5
3126	3	32	6
3126	10	74	8
3126	9	44	7
3126	53	22	5
3126	47	17	4
3126	48	30	5
3126	76	13	4
3126	12	29	5
3126	51	24	5
3126	15	44	7
3126	33	49	7
Sub-Total		737	123
3127	4	33	6
3127	10	50	7

Estimated Start: In Progress
Estimated Completion: June 2023

Table 3: MPF Stand Details, Modification #11			
Compartment	**Stand**	**Acres**	**# of Plots**
3127	13	32	6
3127	12	41	7
3127	17	14	4
Sub-Total		171	30
3134	44	19	4
3134	31	22	5
3134	29	41	7
3134	45	19	4
3134	8	50	7
3134	5	60	8
Sub-Total		212	35
3136	1	83	9
3136	10	61	8
3136	14	122	11
3136	8	79	8
3136	15	37	6
3136	7	183	14
3136	20	85	9
Sub-Total		650	65
3146	12	37	6
3146	14	40	6
3146	21	26	5
3146	22	17	4
Sub-Total		120	21
3147	14	44	7
3147	15	81	9
3147	8	19	4
3147	4	11	4
Sub-Total		155	24
3148	33	37	6
3148	30	36	6
3148	23	15	4
3148	29	22	5
3148	27	57	7
3148	11	82	9
3148	6	84	9
3148	1	27	5

Table 3: MPF Stand Details, Modification #11			
Compartment	**Stand**	**Acres**	**# of Plots**
Sub-Total		360	51
3149	10	62	8
3149	16	48	7
3149	17	62	8
3149	30	38	6
Sub-Total		210	29
3152	19	59	7
3152	21	35	6
3152	25	23	5
3152	17	24	5
3152	14	45	7
3152	12	53	7
3152	7	48	7
3152	8	61	8
3152	9	19	4
3152	10	40	6
Sub-Total		407	62
3153	12	64	8
3153	10	98	9
3153	37	22	5
3153	28	17	4
3153	5	74	8
3153	53	72	8
3153	55	33	6
Sub-Total		380	48
3154	4	69	8
3154	5	20	4
3154	6	26	5
3154	12	18	4
3154	8	19	4
Sub-Total		151	25
3155	9	37	6
3155	44	14	4
3155	27	28	5
3155	13	81	9
3155	17	75	8
3155	18	91	9

Table 3: MPF Stand Details, Modification #11			
Compartment	**Stand**	**Acres**	**# of Plots**
Sub-Total		326	41
3156	9	55	7
3156	2	82	9
Sub-Total		137	16
3158	10	35	6
3158	9	19	4
3158	11	46	7
3158	5	78	8
Sub-Total		178	25

Table 3: ERFL Stand Details, Modification #11			
Compartment	**Stand**	**Acres**	**# of Plots**
3070	2	27	5
3070	3	26	5
3070	4	15	3
3070	6	43	9
3070	7	26	5
3070	8	30	6
3070	9	21	4
3070	10	38	8
3070	11	16	3
3070	13	15	3
3070	15	37	7
3070	18	40	8
3070	22	48	10
3070	25	31	6
3070	26	21	4
3070	28	17	3
Sub-Total		451	89
3071	1	95	15
3071	2	66	13
3071	5	51	10
3071	6	34	7
3071	8	197	15
3071	10	34	7
3071	11	30	6
3071	12	19	4
3071	13	23	5

Estimated Start: In Progress
Estimated Completion: June 2023

Table 3: ERFL Stand Details, Modification #11			
Compartment	**Stand**	**Acres**	**# of Plots**
3071	14	25	5
3071	15	36	7
3071	16	26	5
3071	17	36	7
3071	18	24	5
3071	20	42	8
3071	26	34	7
3071	27	21	4
3071	28	48	10
3071	30	27	6
3071	31	15	3
Sub-Total		883	149
3072	3	36	7
3072	5	33	7
3072	7	41	8
3072	9	22	4
3072	18	34	7
3072	19	85	15
3072	22	15	3
3072	26	45	9
3072	27	51	10
3072	29	44	9
3072	30	35	7
3072	31	21	4
3072	33	34	7
Sub-Total		496	97
3073	1	26	5
3073	3	31	6
3073	10	23	5
3073	13	25	5
3073	14	35	7
3073	15	17	4
3073	16	38	8
3073	17	23	5
3073	20	44	9
3073	21	33	7
3073	22	39	8
Sub-Total		334	69
3074	2	44	9

Table 3: ERFL Stand Details, Modification #11			
Compartment	**Stand**	**Acres**	**# of Plots**
3074	5	40	8
3074	6	42	8
3074	7	26	5
3074	8	24	5
3074	10	70	14
3074	11	43	9
3074	13	123	15
3074	14	140	15
3074	22	27	5
Sub-Total		580	93
3075	1	18	4
3075	2	144	15
3075	3	45	9
3075	5	36	7
Sub-Total		243	35

Table 3: LKLN Stand Details, Modification #11			
Compartment	**Stand**	**Acres**	**# of Plots**
5034	1	53	7
5034	3	14	4
5034	4	11	4
5034	5	12	4
5034	16	55	7
5034	20	11	4
5034	25	9	3
5034	26	9	3
5034	29	10	3
5034	30	33	6
5034	33	12	4
5034	34	8	3
5034	36	30	5
5034	39	16	4
Sub-Total		283	61
5036	8	14	4
5036	10	55	7
5036	12	18	4
5036	13	43	7
5036	14	10	3
Sub-Total		140	25

Estimated Start: In Progress
Estimated Completion: June 2023

Table 3: LKLN Stand Details, Modification #11			
Compartment	**Stand**	**Acres**	**# of Plots**
5037	8	9	3
5037	10	8	3
5037	12	28	5
5037	15	35	6
5037	17	9	3
5037	18	19	4
5037	19	17	4
5037	20	16	4
5037	23	12	4
5037	24	19	4
Sub-Total		172	40
5068	1	29	5
5068	3	21	5
5068	4	39	6
5068	5	60	7
5068	6	58	7
5068	7	92	9
5068	9	13	4
5068	10	11	4
5068	11	24	5
Sub-Total		347	52
5071	2	14	4
5071	5	19	4
Sub-Total		33	8
5072	2	13	4
5072	3	161	13
5072	5	40	6
5072	9	12	4
5072	12	24	5
5072	15	48	7
Sub-Total		298	39
5075	20	84	9
5075	23	18	4
5075	24	7	3
5075	25	76	8
5075	26	29	5
5075	27	74	8
Sub-Total		288	37

Table 3: LKLN Stand Details, Modification #11			
Compartment	**Stand**	**Acres**	**# of Plots**
5207	16	66	8
5207	17	128	12
5207	18	33	6
5207	19	14	4
5207	21	22	5
Sub-Total		263	35
5221	1	48	7
5221	4	18	4
5221	11	40	6
5221	12	13	4
5221	13	41	7
5221	15	10	3
5221	17	23	5
5221	18	13	4
5221	19	16	4
5221	20	9	3
Sub-Total		231	47
5224	1	39	6
5224	3	15	4
5224	8	33	6
5224	9	10	3
5224	10	24	5
5224	11	8	3
5224	12	12	4
5224	15	11	4
5224	21	14	4
5224	23	22	5
5224	26	52	7
5224	27	32	6
5224	28	23	5
5224	31	59	7
5224	33	10	3
5224	35	12	4
Sub-Total		376	76

Table 3: GD Stand Details, Modification #11			
Compartment	**Stand**	**Acres**	**# of Plots**
0116	2	13	4
0116	5	12	4

Estimated Start: In Progress
Estimated Completion: June 2023

Table 3: GD Stand Details, Modification #11			
Compartment	**Stand**	**Acres**	**# of Plots**
0116	8	14	4
0116	14	23	5
0116	23	30	5
0116	24	16	4
0116	26	32	6
Sub-Total		141	32
0136	1	7	3
0136	5	18	4
0136	7	233	16
0136	8	30	5
0136	10	12	4
0136	12	5	3
0136	13	7	3
0136	16	10	3
0136	21	11	4
0136	24	12	4
Sub-Total		346	49
0137	2	12	4
0137	3	5	3
0137	12	24	5
0137	15	6	3
0137	17	3	3
0137	20	5	3
0137	21	4	3
0137	22	12	4
0137	24	22	5
0137	27	50	7
0137	28	14	4
0137	29	25	5
0137	30	12	4
0137	32	28	5
0137	33	14	4
Sub-Total		232	62
0138	1	6	3
0138	2	5	3
0138	3	19	4
0138	7	24	5
0138	8	14	4
0138	9	18	4

Table 3: GD Stand Details, Modification #11			
Compartment	**Stand**	**Acres**	**# of Plots**
0138	12	113	10
0138	14	20	4
0138	15	12	4
0138	16	31	6
0138	20	18	4
0138	21	38	6
0138	28	10	3
0138	29	13	4
0138	31	12	4
0138	32	9	3
0138	33	4	3
0138	38	10	3
0138	39	25	5
Sub-Total		401	82
0139	1	24	5
0139	5	18	4
0139	14	6	3
0139	15	25	5
0139	20	5	3
Sub-Total		77	20
0160	10	9	3
0160	11	48	7
0160	13	42	7
0160	15	36	6
0160	16	21	5
0160	17	13	4
0160	18	22	5
0160	21	24	5
0160	27	16	4
Sub-Total		230	46
0161	13	18	4
0161	28	37	6
0161	29	11	4
0161	30	31	6
0161	36	11	4
Sub-Total		107	24

More detailed maps, specifications, data codes, etc. will be provided when needed.

Updated 02/18/2022
Karl Welch

Common Stand Exam

Appendix C: Statement of Work

*****Adding 1,267 plots to original Modification 7 proposal****

Table 1: Summary of Previous Acres within CSE Project

District	Project Area	Est. No. Stands	Estimated Acres	Est. No. Plots	Data Needed By	Cost Estimate	GNA Agreement
~~Great Divide**~~	~~Morse-Stockfarm~~	~~431~~	~~14,097~~	~~2,315~~	~~June 30, 2020~~	~~-~~	Modification #7
~~Washburn**~~	~~Red Pine Rotation~~	~~116~~	~~6,555~~	~~741~~	~~June 30, 2020~~	~~-~~	Modification #7
~~Eagle River-Florence**~~	~~Lone Duck~~	~~211~~	~~3,540~~	~~852~~	~~June 30, 2020~~	~~-~~	Modification #7
Great Divide	Morse	143	4,846	777	June 30, 2021	$39,000	Modification #9
	Totals:	143	4,846	777	-	$39,000	

**This workload was mutually canceled due to capacity and contracting issues that were not foreseen. In summary, all workload from Modification #7 was canceled if it wasn't added to Agreement #1, Modification #9.

Table 2: Summary of Additional Acres

District	Project Area	Est. No. Stands	Estimated Acres	Est. No. Plots	Data Needed By	Cost Estimate	GNA Agreement
Lakewood-Laona	Armstrong Creek	88	4,974	593	July 1, 2022	$30,000	Modification #10
Great Divide	Stockfarm	136	3,973	674	July 1, 2022	$34,000	Modification #10
	Totals:	224	8,947	1,267	-	$64,000	

Table 3: LKLN Stand Details, Modification #10

Compartment	Stand	Acres	# of Plots
05093	25	42	7
05093	9	14	4
05093	27	33	6
05093	4	358	20
05093	26	30	5
05093	29	55	7
05093	24	29	5
05093	10	31	6
05093	8	53	7

Estimated Start: In Progress
Estimated Completion: June 2022

Table 3: LKLN Stand Details, Modification #10			
Compartment	**Stand**	**Acres**	**# of Plots**
05093	23	25	5
05093	1	43	7
05093	32	409	22
Sub-Total		1123	101
05096	23	52	7
05096	8	33	6
05096	27	22	5
05096	10	29	5
05096	26	21	5
05096	1	32	6
05096	7	31	6
05096	6	30	5
05096	21	44	7
Sub-Total		294	52
05097	14	282	17
05097	5	79	8
05097	10	28	5
05097	1	42	7
05097	4	22	5
05097	15	18	4
05097	20	23	5
05097	16	25	5
05097	21	81	9
05097	6	87	9
Sub-Total		687	74
05098	5	157	12
05098	18	59	7
05098	15	137	11
05098	19	56	7
05098	17	45	7
05098	11	12	4
05098	12	103	10
05098	23	33	6
05098	10	43	7
05098	21	48	7
05098	26	17	4
05098	24	45	7
Sub-Total		754	89
05099	5	26	5

Estimated Start: In Progress
Estimated Completion: June 2022

Table 3: LKLN Stand Details, Modification #10			
Compartment	**Stand**	**Acres**	**# of Plots**
05099	13	13	4
05099	3	26	5
05099	12	51	7
05099	19	41	7
05099	6	16	4
05099	11	78	8
05099	33	51	7
05099	7	25	5
05099	27	26	5
05099	20	56	7
05099	31	27	5
05099	9	76	8
05099	14	67	8
05099	28	15	4
05099	1	11	4
05099	8	41	7
05099	2	263	16
05099	4	174	13
Sub-Total		1081	129
05100	2	184	13
05100	12	28	5
05100	11	10	3
05100	10	34	6
05100	13	10	3
05100	15	23	5
05100	7	35	6
05100	6	33	6
05100	18	52	7
05100	14	32	6
05100	4	21	5
05100	16	24	5
Sub-Total		486	70
05101	21	81	9
05101	7	13	4
05101	8	19	4
05101	13	20	4
05101	22	18	4
05101	10	22	5
05101	11	30	5
05101	3	25	5
05101	2	18	4

Estimated Start: In Progress
Estimated Completion: June 2022

Table 3: LKLN Stand Details, Modification #10			
Compartment	**Stand**	**Acres**	**# of Plots**
05101	20	23	5
05101	9	38	6
05101	4	12	4
05101	17	37	6
05101	5	193	13
Sub-Total		549	78

Table 4: Great Divide Stand Details (Contract), Modification #10		
Compartment/Stand #	**Acres**	**# of Plots**
053/2	10	3
053/7	19	4
053/10	26	5
053/12	88	9
053/16	9	3
053/18	15	4
053/20	13	4
053/33	6	3
053/37	22	5
053/39	8	3
053/40	12	4
053/41	15	4
053/42	15	4
053/45	23	5
053/48	14	4
059/1	5	3
059/4	100	9
059/5	11	4
059/7	7	3
059/9	28	5
059/10	13	4
059/12	64	8
059/13	18	4
059/15	24	5
059/16	49	7
059/17	9	3
059/19	49	7
059/21	44	7

Table 4: Great Divide Stand Details (Contract), Modification #10		
Compartment/Stand #	**Acres**	**# of Plots**
059/23	100	9
059/24	23	5
059/26	28	5
059/31	16	4
059/39	24	5
059/47	32	6
075/3	17	4
075/6	50	7
075/8	323	18
075/14	22	5
075/15	37	6
075/16	33	6
075/18	17	4
075/19	8	3
075/20	11	4
075/21	16	4
075/24	15	4
075/25	65	8
075/28	37	6
075/30	15	4
075/32	23	5
075/34	15	4
075/36	11	4
075/37	19	4
075/38	17	4
075/39	26	5
075/40	12	4
075/43	25	5
075/44	26	5
075/45	67	8
075/48	16	4
075/49	11	4
075/51	8	3
076/1	71	8
076/5	5	3
076/8	55	7
076/15	4	3

Estimated Start: In Progress
Estimated Completion: June 2022

Table 4: Great Divide Stand Details (Contract), Modification #10		
Compartment/Stand #	**Acres**	**# of Plots**
076/20	21	5
076/24	3	3
076/31	22	5
076/34	31	6
076/35	40	6
076/40	6	3
076/46	103	10
076/49	104	10
076/55	22	5
076/57	50	7
076/58	10	3
076/59	17	4
076/60	20	4
076/61	38	6
076/62	12	4
076/63	8	3
076/66	8	3
076/67	77	8
077/1	22	5
077/2	10	3
077/4	20	4
077/13	11	4
077/14	6	3
079/1	13	4
079/2	76	8
079/3	16	4
079/4	9	3
079/7	29	5
079/8	65	8
079/16	8	3
079/20	14	4
081/9	6	3
081/13	31	6
081/14	36	6
081/15	10	3
081/21	53	7

Estimated Start: In Progress
Estimated Completion: June 2022

Table 4: Great Divide Stand Details (Contract), Modification #10		
Compartment/Stand #	**Acres**	**# of Plots**
081/22	40	6
081/23	23	5
081/25	28	5
081/27	13	4
081/33	5	3
081/35	7	3
082/1	44	7
082/3	82	9
082/5	22	5
082/6	13	4
082/8	26	5
082/12	105	10
082/14	98	9
106/8	109	10
106/12	54	7
106/22	34	6
115/1	13	4
115/2	17	4
115/3	38	6
115/4	20	4
115/28	8	3
115/29	13	4
Totals	**3,355**	**592**

Table 5: Great Divide Stand Details (WDNR), Modification #10		
Compartment/Stand #	**Acres**	**# of Plots**
118/2	14	4
118/3	43	7
118/4	132	12
118/6	19	4
118/16	32	6
135/1	20	4
135/2	7	3
135/3	189	14
135/4	33	6
135/5	34	6
135/11	66	8
135/16	22	5
135/17	7	3
Totals:	**618**	**82**

More detailed maps, specifications, data codes, etc. will be provided when needed.

Stand data updated 03/18/2021
Ben Walker and Adam Felts

Estimated Start: In Progress
Estimated Completion: June 2022

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

Estimated Start: July 2020
Estimated Completion: June 2021

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

Estimated Start: July 2020
Estimated Completion: June 2021

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

Estimated Start: July 2020
Estimated Completion: June 2021

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**

Estimated Start: July 2020
Estimated Completion: June 2021

Agreement No. 15-GN-11091300-109
Common Stand Examination
Restoration Project A

Appendix C: Project Areas and Treatment

Stand Exam Program Income Projects for State FY19 (July 1, 2018 – June 30, 2019):

District	Project Area	Est. No. Stands	Estimated Acres	Est. No. Plots	Data Needed By
Great Divide	Morse-Stockfarm	431	14,097	2,315	June 30, 2020
Washburn	Red Pine Rotation	116	6,555	741	June 30, 2020
Eagle River-Florence	Lone Duck	211	3,540	852	June 30, 2020
TOTAL		**758 stands**	**24,192 acres**	**3,908 plots**	

Accompanying this summary table are stand lists and vicinity maps for each district. There is no vicinity map for the Washburn red pine project because it is scattered across most of the district. Detailed maps, specifications, data codes, etc. will be provided later.

Updated 12/10/2018
J. Van Cleve

Estimated Start: December 2018
Estimated Completion: June 2020

District	Project	Compartment	# of Stands	Acres	# of Plots
Great Divide	Morse-Stockfarm	139	3	447	25
Great Divide	Morse-Stockfarm	143	5	156	28
Great Divide	Morse-Stockfarm	145	17	480	88
Great Divide	Morse-Stockfarm	146	9	285	48
Great Divide	Morse-Stockfarm	147	22	719	108
Great Divide	Morse-Stockfarm	148	8	344	49
Great Divide	Morse-Stockfarm	149	17	545	86
Great Divide	Morse-Stockfarm	150	12	307	57
Great Divide	Morse-Stockfarm	151	10	317	54
Great Divide	Morse-Stockfarm	152	22	553	102
Great Divide	Morse-Stockfarm	153	17	688	96
Great Divide	Morse-Stockfarm	154	17	474	86
Great Divide	Morse-Stockfarm	155	10	221	46
Great Divide	Morse-Stockfarm	156	23	626	115
Great Divide	Morse-Stockfarm	157	19	547	97
Great Divide	Morse-Stockfarm	158	20	822	119
Great Divide	Morse-Stockfarm	159	4	67	17
Great Divide	Morse-Stockfarm	161	2	63	12
Great Divide	Morse-Stockfarm	162	9	242	48
Great Divide	Morse-Stockfarm	181	19	702	104
Great Divide	Morse-Stockfarm	182	16	874	108
Great Divide	Morse-Stockfarm	183	28	842	151
Great Divide	Morse-Stockfarm	184	29	781	149
Great Divide	Morse-Stockfarm	185	24	554	111
Great Divide	Morse-Stockfarm	186	21	577	108
Great Divide	Morse-Stockfarm	187	19	628	105
Great Divide	Morse-Stockfarm	200	6	291	41
Great Divide	Morse-Stockfarm	201	23	780	121
Great Divide	Morse-Stockfarm	204	1	6	3
Great Divide	Morse-Stockfarm	230	6	147	29
		District totals	**438**	**14085**	**2311**
Eagle River-Florence	Lone Duck	2024	2	59	10
Eagle River-Florence	Lone Duck	2025	8	125	32
Eagle River-Florence	Lone Duck	2026	6	92	24
Eagle River-Florence	Lone Duck	2027	6	35	18
Eagle River-Florence	Lone Duck	2029	2	33	8
Eagle River-Florence	Lone Duck	2041	15	226	60
Eagle River-Florence	Lone Duck	2044	9	109	33
Eagle River-Florence	Lone Duck	2046	8	150	34
Eagle River-Florence	Lone Duck	2047	2	53	10
Eagle River-Florence	Lone Duck	2048	3	88	16
Eagle River-Florence	Lone Duck	2050	1	11	4
Eagle River-Florence	Lone Duck	2051	1	45	7
Eagle River-Florence	Lone Duck	2052	4	149	22
Eagle River-Florence	Lone Duck	2054	3	31	10
Eagle River-Florence	Lone Duck	2055	5	100	22

Estimated Start: December 2018
Estimated Completion: June 2020

Eagle River-Florence	Lone Duck	2056	1	17	4
Eagle River-Florence	Lone Duck	2057	3	45	12
Eagle River-Florence	Lone Duck	2058	3	80	14
Eagle River-Florence	Lone Duck	2060	11	189	46
Eagle River-Florence	Lone Duck	2061	21	360	84
Eagle River-Florence	Lone Duck	2062	6	85	23
Eagle River-Florence	Lone Duck	2063	3	80	15
Eagle River-Florence	Lone Duck	2064	10	271	45
Eagle River-Florence	Lone Duck	2065	5	83	19
Eagle River-Florence	Lone Duck	2066	14	160	51
Eagle River-Florence	Lone Duck	2068	3	118	18
Eagle River-Florence	Lone Duck	2078	12	156	45
Eagle River-Florence	Lone Duck	2079	10	163	41
Eagle River-Florence	Lone Duck	2080	3	72	14
Eagle River-Florence	Lone Duck	2214	6	88	24
Eagle River-Florence	Lone Duck	2225	8	97	28
Eagle River-Florence	Lone Duck	2226	17	172	59
		District totals	**211**	**3540**	**852**
Washburn	Red Pine Rotation	15	1	12	4
Washburn	Red Pine Rotation	23	1	15	4
Washburn	Red Pine Rotation	37	2	292	21
Washburn	Red Pine Rotation	61	3	22	9
Washburn	Red Pine Rotation	63	1	104	10
Washburn	Red Pine Rotation	64	3	535	36
Washburn	Red Pine Rotation	65	2	83	12
Washburn	Red Pine Rotation	66	2	32	8
Washburn	Red Pine Rotation	67	1	13	4
Washburn	Red Pine Rotation	95	1	249	15
Washburn	Red Pine Rotation	110	1	22	5
Washburn	Red Pine Rotation	112	1	34	6
Washburn	Red Pine Rotation	122	1	10	3
Washburn	Red Pine Rotation	124	4	144	22
Washburn	Red Pine Rotation	134	1	14	4
Washburn	Red Pine Rotation	135	1	9	3
Washburn	Red Pine Rotation	136	1	43	7
Washburn	Red Pine Rotation	137	2	44	9
Washburn	Red Pine Rotation	140	1	5	3
Washburn	Red Pine Rotation	144	1	27	5
Washburn	Red Pine Rotation	145	1	101	9
Washburn	Red Pine Rotation	146	1	10	3
Washburn	Red Pine Rotation	147	1	16	4
Washburn	Red Pine Rotation	148	1	2	3
Washburn	Red Pine Rotation	149	1	4	3
Washburn	Red Pine Rotation	162	1	18	4
Washburn	Red Pine Rotation	179	3	243	24
Washburn	Red Pine Rotation	183	1	6	3
Washburn	Red Pine Rotation	184	2	14	6

Estimated Start: December 2018
Estimated Completion: June 2020

Washburn	Red Pine Rotation	197	3	27	10
Washburn	Red Pine Rotation	198	5	112	23
Washburn	Red Pine Rotation	202	4	104	20
Washburn	Red Pine Rotation	204	5	241	31
Washburn	Red Pine Rotation	205	2	20	7
Washburn	Red Pine Rotation	206	3	12	9
Washburn	Red Pine Rotation	207	3	87	16
Washburn	Red Pine Rotation	208	2	127	16
Washburn	Red Pine Rotation	210	5	248	32
Washburn	Red Pine Rotation	211	1	205	14
Washburn	Red Pine Rotation	212	1	259	16
Washburn	Red Pine Rotation	215	1	74	8
Washburn	Red Pine Rotation	216	1	371	20
Washburn	Red Pine Rotation	217	3	236	23
Washburn	Red Pine Rotation	218	8	671	63
Washburn	Red Pine Rotation	219	4	414	36
Washburn	Red Pine Rotation	220	3	206	22
Washburn	Red Pine Rotation	221	2	119	14
Washburn	Red Pine Rotation	222	5	160	27
Washburn	Red Pine Rotation	223	7	541	55
Washburn	Red Pine Rotation	224	4	189	27
Washburn	Red Pine Rotation	227	1	8	3
		District totals	**116**	**6554**	**741**

Estimated Start: December 2018
Estimated Completion: June 2020