

EXHIBIT A
2013 FIA plot inspection
Cold Check Field Procedures

1. The initial QA cold check file *is* the production crew data file. QA inspectors enter QA measurements of each variable by overwriting the production data; regardless whether the data item is in or out of tolerance.
2. **The following shall be checked on every inspection:**
 - A. Verify documented measured distances and written directions from main road to relocate plot,
 - B. RP/POR data; when possible, and always when it is critical to locating the plot,
 - C. Aerial photo imagery; for PC and RP pinprick locations, and label information updated correctly,
 - D. GPS data; where collected,
 - E. Plot Level and Condition Class Attributes,
 - F. Site Tree ; measurements, selection, and equation selection method,
 - G. Plant Association(s),
 - H. FDM error/warning printouts, the first printout identifying errors and warnings, second printout indicating the applied corrections.
 - I. **Review for completeness and legibility the following:**
 Plot Card -front side: header info., RP Data, plot narrative, plot diagram, access diagram, footer notes,
 Plot Card - back side: State and hex#, mapping boundaries including; condition #'s and identifiers,
 Plot Edit Sheet,
 Landowner Contact Sheet (where appropriate).
3. **On all four subplots, the following are checked:** *(the subplot(s) not fully inspected shall be recorded as subplot status = 4)*
 - A. Plot layout; including subplot and microplot center locations,
 - B. Condition Class; presence/absence,
 - C. Subplot Attributes,
 - D. Microplot Seedling Count,
 - E. Boundary Mapping data items,
 - F. Missed/added Tree Tally including:
 saplings on the microplot,
 trees in or out near the different plot radius boundaries, and,
 hectare trees from 2003 data, originally referenced to SP1, not in the current HIST file, are accounted for when they are located within, and correctly referenced to, the other 3 subplot/macropLOT centers.
4. **A minimum of 2 subplots are fully inspected** (all measurements are taken), SP1 may or may not be included in the fully measured subplots.
5. **A minimum of 20 trees are measured**, (unless the plot has low tally, is nonforest, or a stocking check). If there are insufficient trees available on the two fully inspected subplots, additional subplots are fully inspected to meet the 20 tree minimum.
6. **Inspectors will record all measurements as they exist at time of inspection.** The items listed below may require scoring adjustment as the natural environment may have changed significantly over the short period of time between field data collection sampling and field inspection due to: seasonality, dessiciation rate, and/or ground disturbance from data collectors or other sources. (Adjustments shall be documented to differentiate between real errors or the above noted changes) to the following data:
 - A. Vegetation Profile – species, structure, heights and % cover,
 - B. Ground Cover – type and % cover,
 - C. FWD- S-M-L piece count,
 - D. Dbh (although not more than 1-2 tenths of an inch).
7. DWM- Transect azimuths are lined up with the production crew's from the required flagging at the transect end so individual measurements can be checked. Checked are: all CWD measurements, slope distances, FWD, Ground Cover, and Condition Fuelbed type. If the production crew did not leave flagging and there is no locatable physical evidence, the transect is placed at the QA inspector's azimuth. Effort is made by QA to line up CWD pieces with the data, if present.

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INSPECTED QUALITY FORM

(Below is the 2012 version of the scoring spreadsheets. The 2013 version will be ready upon the start of the 2013 field season and is currently being edited to reflect changes in the 2013 manual. An annual revision of this form will be available upon the start of each field season.

FIA Inspection Quality Form 2012				
Production Inspected Date: _____	Plot Number: _____			
Plots in Packet: _____				
Installers: _____				
Inspectors: _____				
Installation Date: _____				
	Error	Credit	Quality	Score %
CATEGORY				
Plot Attributes	0	38.5	100.0%	3.7
Condition Class	0	110	100.0%	9.9
Subplot Attributes	3	52	94.2%	7.0
Boundary References	0	25	100.0%	4.9
Downed Woody Materials	4	135	97.0%	7.2
Tree & Snag Attributes	130	1381	90.6%	17.9
Tally Items	3	48	93.8%	18.5
Seedling Data	2	17	88.2%	3.3
Vegetation Profile	8	294	97.3%	7.2
Invasive Plants	0	0	0	0.0
Site Index	0	78	100.0%	4.9
Ground Cover	0	60	100.0%	1.2
Plot Jacket	0	8.5	100.0%	2.5
Plot Locations	0	12	100.0%	4.9
R6 Indicators	10	166	94.0%	2.3
Total	160	2425		
Pay %				95.5

Remarks:

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Item	Tolerance	Error Unit	Credit Unit	Error Tally	Credit Tally	Total Error	Total Possible Credit	Notes	Measure Year	Hex
Plot Level Data Collected in the Field										
Crew Visit Information										
Sample Method Code	no errors	2	1	0	1	0	1		2012	4164643
QA Status	no errors	2	1	0	1	0	1		2012	4164643
Crew Type	no errors	1	1	0	1	0	1		2012	4164643
Crew Number	no errors	1	1	0	1	0	1		2012	4164643
Current Date of Inventory										
Year	no errors	0	0	0	1	0	0		2012	4164643
Month	no errors	0.5	0.5	0	1	0	0.5		2012	4164643
Day	no errors	0.5	0.5	0	1	0	0.5		2012	4164643
Time Spent on Plot										
Travel Time to Plot	1 hour	0.5	0.5	0	1	0	0.5		2012	4164643
Measurement Time on Plot	1 hour	2	1	0	1	0	1		2012	4164643
Travel Time from Plot	1 hour	0.5	0.5	0	1	0	0.5		2012	4164643
Plot Level Fundamentals										
Stocking Plot Type	no errors	1	1	0	1	0	1		2012	4164643
Plot Status	no errors	1	1	0	1	0	1		2012	4164643
Plot Nonsampled Reason	no errors	2	1	0	0	0	0		2012	4164643
Subplots Examined	no errors	2	1	0	1	0	1		2012	4164643
Sample Kind	no errors	2	1	0	1	0	1		2012	4164643
PNW Plot Kind	no errors	2	1	0	0	0	0		2012	4164643
Previous Plot Number	no errors	2	1	0	0	0	0		2012	4164643
Additional Items										
Landowner Plot Summary Request	no errors	2	1	0	1	0	1		2012	4164643
Topographic Position	see manual	1	1	0	1	0	1		2012	4164643
Horizontal Distance to Improved Road	no errors	1	1	0	1	0	1		2012	4164643
Water on Plot	no errors	1	1	0	1	0	1		2012	4164643
Plot Notes	N/A	2	1	0	1	0	1		2012	4164643
Reference Point (RP) Attributes										
RP Type	no errors	1	1	0	1	0	1		2012	4164643
RP Species	no errors	1	1	0	1	0	1		2012	4164643
RP Diameter	+/- 10%	1	1	0	1	0	1		2012	4164643
RP Azimuth	+/- 4 deg	2	1	0	1	0	1		2012	4164643
RP Horizontal Distance	+/- 5%	2	1	0	1	0	1		2012	4164643
RP Azimuth/Distance to Subplot Number	no errors	1	1	0	1	0	1		2012	4164643
RP Notes	N/A	1	1	0	1	0	0		2012	4164643
GPS Coordinates Collected in the Field										
GPS Unit Type	no errors	1	1	0	1	0	1		2012	4164643
GPS Serial Number	no errors	1	1	0	1	0	1		2012	4164643
GPS Entry Method Code	no errors	0.5	0.5	0	0	0	0		2012	4164643
GPS Datum	no errors	1	1	0	1	0	1		2012	4164643
GPS Coordinate System	no errors	0	0	0	1	0	0		2012	4164643
GPS Location Type	no errors	1	1	0	1	0	1		2012	4164643
UTM Zone	no errors	2	1	0	1	0	1		2012	4164643
Easting (X) UTM	+/- 140'	6	3	0	1	0	3		2012	4164643
Northing (Y) UTM	+/- 140'	6	3	0	1	0	3		2012	4164643
GPS Elevation	+/- 280 ft	2	1	0	1	0	1		2012	4164643
GPS Error	no errors	0.5	0.5	0	1	0	0.5		2012	4164643
Number of Readings	no errors	1	1	0	1	0	1		2012	4164643
GPS Filenames										
GPS Notes	N/A	1	1	0	0	0	0		2012	4164643
Azimuth to Plot Center	+/- 3 deg	1	1	0	1	0	1		2012	4164643
Distance to Plot Center	+/- 6 ft	2	1	0	1	0	1		2012	4164643
Nonforest Plot Level Fundamentals										
Nonforest Sampling Status	no errors	1	1	0	1	0	1		2012	4164643
Nonforest Plot Status	no errors	1	1	0	0	0	0		2012	4164643
Nonforest Plot Nonsampled Reason	no errors	1	1	0	0	0	0		2012	4164643
Previous Plot Mapping or Condition Error	no errors	1	1	0	1	0	1		2012	4164643
Additional Items Stocking Information										
Stocking Percent	no errors	2	1	0	0	0	0		2012	4164643
Stocking Percent Code	no errors	2	1	0	0	0	0		2012	4164643
Stocking Maximum DBH/DBR	no errors	2	1	0	0	0	0		2012	4164643
						Total	0	38.5		
						Total Quality		100.0%		

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Item	Tolerance	Error Unit	Credit Unit	Error Tally	Credit Tally	Total Error	Total Possible Credit	Notes	Measure Year	Hex
Condition Class Attributes										
General Condition Class Attributes										
Condition Class Number	no errors	1	1	0	3	0	3		2012	4164643
Condition Class Status	no errors	4	2	0	3	0	6		2012	4164643
Accessible Forest Land Delineating Data Items										
Reserved Status	no errors	2	1	0	3	0	3		2012	4164643
Owner Group	no errors	4	2	0	3	0	6		2012	4164643
Previous Owner Group	no errors	1	1	0	3	0	3		2012	4164643
Forest Type	no errors	2	1	0	2	0	2		2012	4164643
Stand Size Class	no errors	2	1	0	2	0	2		2012	4164643
Regeneration Status	no errors	2	1	0	2	0	2		2012	4164643
Tree Density	no errors	2	1	0	2	0	2		2012	4164643
Ancillary (Non-delineating) Data Items										
Owner Class	no errors	1	1	0	3	0	3		2012	4164643
Administrative Forest Code	no errors	1	1	0	3	0	3		2012	4164643
Private Owner Industrial Status	no errors	0.5	0.5	0	0	0	0		2012	4164643
Artificial Regeneration Species	no errors	1	1	0	1	0	1		2012	4164643
Age Basis Code	no errors	1	1	0	2	0	2		2012	4164643
Stand Age +/-10%	no errors	1	1	0	2	0	2		2012	4164643
Physiographic Class	no errors	0.5	0.5	0	3	0	1.5		2012	4164643
Current Ground Land Class	no errors	1	1	0	2	0	2		2012	4164643
Soil Depth	no errors	1	1	0	2	0	2		2012	4164643
Stand Structure	no errors	1	1	0	2	0	2		2012	4164643
Stand Condition Stage Development										
Disturbance 1	no errors	1	1	0	3	0	3		2012	4164643
Disturbance Year 1	see manual	1	1	0	0	0	0		2012	4164643
Disturbance 2	no errors	1	1	0	0	0	0		2012	4164643
Disturbance Year 2	see manual	1	1	0	0	0	0		2012	4164643
Disturbance 3	no errors	1	1	0	0	0	0		2012	4164643
Disturbance Year 3	see manual	1	1	0	0	0	0		2012	4164643
Historical Disturbance 1	no errors	1	1	0	0	0	0		2012	4164643
Historical Disturbance Year 1	see manual	1	1	0	0	0	0		2012	4164643
Historical Disturbance 2	no errors	1	1	0	0	0	0		2012	4164643
Historical Disturbance Year 2	see manual	1	1	0	0	0	0		2012	4164643
Historical Disturbance 3	no errors	1	1	0	0	0	0		2012	4164643
Historical Disturbance Year 3	see manual	1	1	0	0	0	0		2012	4164643
Treatment 1	no errors	1	1	0	3	0	3		2012	4164643
Treatment Year 1	see manual	1	1	0	0	0	0		2012	4164643
Treatment 2	no errors	1	1	0	0	0	0		2012	4164643
Treatment Year 2	see manual	1	1	0	0	0	0		2012	4164643
Treatment 3	no errors	1	1	0	0	0	0		2012	4164643
Treatment Year 3	see manual	1	1	0	0	0	0		2012	4164643
Historical Treatment 1	no errors	1	1	0	0	0	0		2012	4164643
Historical Treatment Year 1	see manual	1	1	0	0	0	0		2012	4164643
Historical Treatment 2	no errors	1	1	0	0	0	0		2012	4164643
Historical Treatment Year 2	see manual	1	1	0	0	0	0		2012	4164643
Historical Treatment 3	no errors	1	1	0	0	0	0		2012	4164643
Historical Treatment Year 3	see manual	1	1	0	0	0	0		2012	4164643
Evolution of Stands										
Evolution of Stands	no errors	1	1	0	0	0	0		2012	4164643
Evolution of Forest										
Plant Association	no errors	2	1	0	3	0	3		2012	4164643
Plant Association Nonsampled Reason	no errors	2	1	0	1	0	1		2012	4164643
Plant Association Publication	no errors	1	1	0	2	0	2		2012	4164643
Determining Condition Classes on Nonforest Land										
Present Nonforest Land Use	no errors	2	1	0	1	0	1		2012	4164643
Nonsampled Condition Class Attributes										
Condition Nonsampled Reason	no errors	4	2	0	0	0	0		2012	4164643
Estimated Nonsampled Land Cover Type	no errors	2	1	0	0	0	0		2012	4164643
Nonsampled Forest Type	no errors	1	1	0	0	0	0		2012	4164643
Stockability in Oregon and California										
Stockability Indicator Species	no errors	1	1	0	1	0	1		2012	4164643
Species Condition Class	no errors	1	1	0	1	0	1		2012	4164643
Oregon Stockability Discount Factor	no errors	1	1	0	2	0	2		2012	4164643
Condition Class Notes										
Condition Class Notes	N/A	1	1	0	2	0	2		2012	4164643
Previous Condition Class Attributes										
Previous Condition Class Status	no errors	1	1	0	3	0	3		2012	4164643
Condition Class Status Reconcile Code	no errors	0.25	0.25	0	6	0	1.5		2012	4164643
Condition Class Status Procedural Change Reason Code	no errors	0.25	0.25	0	0	0	0		2012	4164643
Previous Reserved Status	no errors	1	1	0	2	0	2		2012	4164643
Reserved Status Reconcile Code	no errors	0.25	0.25	0	4	0	1		2012	4164643
Reserved Status Procedural Change Reason Code	no errors	0.25	0.25	0	0	0	0		2012	4164643
Owner Group Reconcile Code	no errors	0.25	0.25	0	6	0	1.5		2012	4164643
Owner Group Procedural Change Reason Code	no errors	0.25	0.25	0	0	0	0		2012	4164643
Previous Forest Type	no errors	1	0.5	0	2	0	1		2012	4164643
Previous Stand Size Class	no errors	1	0.5	0	2	0	1		2012	4164643
Previous Regeneration Status	no errors	1	0.5	0	2	0	1		2012	4164643
Previous Tree Density	no errors	1	0.5	0	2	0	1		2012	4164643
Previous Owner Class	no errors	0.5	0.5	0	3	0	1.5		2012	4164643
Previous Administrative Forest Code	no errors	0.5	0.5	0	3	0	1.5		2012	4164643
Previous Private Owner Industrial Status	no errors	0.5	0.5	0	0	0	0		2012	4164643
Previous Artificial Regeneration Species	no errors	0.5	0.5	0	0	0	0		2012	4164643
Previous Stand Age +/-10%	no errors	0.5	0.5	0	2	0	1		2012	4164643
Previous Physiographic Class	no errors	0.5	0.5	0	2	0	1		2012	4164643
Previous Ground Land Class	no errors	0.5	0.5	0	2	0	1		2012	4164643
Previous Soil Depth	no errors	0.5	0.5	0	2	0	1		2012	4164643
Previous Stand Structure	no errors	0.5	0.5	0	2	0	1		2012	4164643
Previous Stand Condition Stage Development										
Previous Disturbance 1	no errors	0.5	0.5	0	2	0	1		2012	4164643
Previous Disturbance Year 1	no errors	0.5	0.5	0	0	0	0		2012	4164643
Previous Disturbance 2	no errors	0.5	0.5	0	0	0	0		2012	4164643
Previous Disturbance Year 2	no errors	0.5	0.5	0	0	0	0		2012	4164643
Previous Disturbance 3	no errors	0.5	0.5	0	0	0	0		2012	4164643
Previous Disturbance Year 3	no errors	0.5	0.5	0	0	0	0		2012	4164643
Previous Historical Disturbance 1	no errors	0.5	0.5	0	2	0	1		2012	4164643
Previous Historical Disturbance Year 1	no errors	0.5	0.5	0	1	0	0.5		2012	4164643
Previous Historical Disturbance 2	no errors	0.5	0.5	0	0	0	0		2012	4164643
Previous Historical Disturbance Year 2	no errors	0.5	0.5	0	0	0	0		2012	4164643
Previous Historical Disturbance 3	no errors	0.5	0.5	0	0	0	0		2012	4164643
Previous Historical Disturbance Year 3	no errors	0.5	0.5	0	0	0	0		2012	4164643
Previous Treatment 1	no errors	0.5	0.5	0	2	0	1		2012	4164643
Previous Treatment Year 1	no errors	0.5	0.5	0	1	0	0.5		2012	4164643
Previous Treatment 2	no errors	0.5	0.5	0	1	0	0.5		2012	4164643
Previous Treatment Year 2	no errors	0.5	0.5	0	0	0	0		2012	4164643
Previous Treatment 3	no errors	0.5	0.5	0	0	0	0		2012	4164643
Previous Treatment Year 3	no errors	0.5	0.5	0	0	0	0		2012	4164643
Previous Historical Treatment 1	no errors	0.5	0.5	0	2	0	1		2012	4164643
Previous Historical Treatment Year 1	no errors	0.5	0.5	0	2	0	1		2012	4164643
Previous Historical Treatment 2	no errors	0.5	0.5	0	2	0	1		2012	4164643
Previous Historical Treatment Year 2	no errors	0.5	0.5	0	1	0	0.5		2012	4164643

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Item	Tolerance	Error Unit	Credit Unit	Error Tally	Credit Tally	Total Error	Total Possible Credit	Notes	Measure Year	Hex
Subplot Attributes										
Subplot Information										
Subplot/Macroplot Status	no errors	2	1	0	4	0	4		2012	4164643
Subplot/Macroplot Nonsampled Reason	no errors	2	1	0	0	0	0		2012	4164643
Subplot/Macroplot Center Condition	no errors	2	1	0	4	0	4		2012	4164643
Subplot/Macroplot Center Condition Status Change	no errors	3	1	0	0	0	0		2012	4164643
Subplot/Macroplot Condition List	no errors	1	1	0	4	0	4		2012	4164643
Microplot Center Condition	no errors	2	1	0	4	0	4		2012	4164643
Physiographic Class Information										
Macroplot Physiographic Class	no errors	1	1	1	4	1	4		2012	4164643
Subplot Slope	+/-10%	2	1	0	4	0	4		2012	4164643
Subplot Aspect	+/-10 deg	1	1	2	4	2	4		2012	4164643
Snow/Water Depth	+/- 0.5 ft	1	1	0	4	0	4		2012	4164643
Subplot/Macroplot Notes	N/A	1	1	0	0	0	0		2012	4164643
Water Information										
Water on Macroplot	no errors	2	1	0	0	0	0		2012	4164643
Water Proximity	+/-10%	2	1	0	0	0	0		2012	4164643
Subplot Disturbance (Chaparra Only)										
Burn Assessment	no errors	1	1	0	0	0	0		2012	4164643
Mechanical Management Assessment	no errors	1	1	0	0	0	0		2012	4164643
Subplot/Macroplot Nonforest Inclusions										
Condition Class Number of Nonforest Inclusion	no errors	1	1	0	0	0	0		2012	4164643
Percent of Nonforest Inclusion on the Subplot	+/-15 %	1	1	0	0	0	0		2012	4164643
Percent of Nonforest Inclusion on the Macroplot	+/-15 %	1	1	0	0	0	0		2012	4164643
Root Disease Rating										
Condition Class Number of Root Disease	no errors	1	1	0	0	0	0		2012	4164643
Root Disease Code	no errors	2	1	0	0	0	0		2012	4164643
Percent Root Disease on the Macroplot	+/- 15%	2	1	0	0	0	0		2012	4164643
Root Disease Severity Rating	+/- 1 class	2	1	0	4	0	4		2012	4164643
Previous Subplot Information										
Previous Subplot Mapping Error	no errors	1	1	0	4	0	4		2012	4164643
Previous Subplot/Macroplot Center Condition	no errors	1	1	0	4	0	4		2012	4164643
Previous Microplot Center Condition	no errors	1	1	0	4	0	4		2012	4164643
Nonforest Subplot Information										
Nonforest Subplot/Macroplot Status	no errors	1	1	0	0	0	0		2012	4164643
Nonforest Subplot/Macroplot Nonsampled Reason	no errors	1	1	0	0	0	0		2012	4164643
P2 Vegetation Data Collection										
P2 Veg Subplot Sample Status	no errors	1	1	0	4	0	4		2012	4164643
Vegetation Nonsampled Reason	no errors	1	1	0	0	0	0		2012	4164643
Invasives Species Data Items										
Invasive Plant Subplot Status	no errors	1	1	0	0	0	0		2012	4164643
Invasive Plant Nonsampled Reason	no errors	1	1	0	0	0	0		2012	4164643
						Total	3	52		
						Total Quality		94.2%		

Item	Tolerance	Error Unit	Credit Unit	Error Tally	Credit Tally	Total Error	Total Possible Credit	Notes	Measure Year	Hex
Boundary References										
Plot Type	no errors	3	1	0	2	0	2		2012	4164643
Boundary Change	no errors	2	1	0	2	0	2		2012	4164643
Contrasting Condition	no errors	4	2	0	2	0	4		2012	4164643
Left Azimuth	+/-10 deg	1	1	0	2	0	2		2012	4164643
Corner Azimuth	+/-10 deg	1	1	0	2	0	2		2012	4164643
Corner Distance	+/- 1 ft	1	1	0	0	0	0		2012	4164643
Right Azimuth	+/-10 deg	1	1	0	2	0	2		2012	4164643
Boundary Notes	N/A	1	1	0	1	0	1		2012	4164643
Previous Boundary References										
Previous Plot Type	no errors	1	1	0	2	0	2		2012	4164643
Previous Contrasting Condition	no errors	1	1	0	2	0	2		2012	4164643
Previous Left Azimuth	+/-10 deg	1	1	0	2	0	2		2012	4164643
Previous Corner Azimuth	+/-10 deg	1	1	0	2	0	2		2012	4164643
Previous Corner Distance	+/- 1 ft	1	1	0	0	0	0		2012	4164643
Previous Right Azimuth	+/-10 deg	1	1	0	2	0	2		2012	4164643
						Total	0	25		
						Total Quality		100.0%		

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Item	Tolerance	Error Unit	Credit Unit	Error Tally	Credit Tally	Total Error	Total Possible Credit	Notes	Measure Year	Hex
Down Woody Debris and Fuels										
Transect Line Segmenting										
Transect Azimuth	+/- 2 deg	4	2			0	0		2012	4164643
Transect Condition Class Number	no errors	2	1	0	8	0	8		2012	4164643
Beginning Distance	+/- 1.0 ft	1	1	0	8	0	8		2012	4164643
Ending Distance	+/- 1.0 ft	1	1	0	8	0	8		2012	4164643
Slope Percent	+/- 10%	1	1	0	8	0	8		2012	4164643
Coarse Woody Debris										
CWD Slope Distance	+/- 1.0 ft	2	1	0	6	0	6		2012	4164643
CWD Decay Class	+/- 1 class	1	1	0	6	0	6		2012	4164643
CWD Species	no errors	2	1	0	6	0	6		2012	4164643
Diameter at Point of Intersection	see manual	2	1	0	6	0	6		2012	4164643
Diameter at the Small End	see manual	2	1	0	6	0	6		2012	4164643
Diameter at the Large End	see manual	2	1	0	6	0	6		2012	4164643
CWD Total Length	+/- 20%	3	1	0	6	0	6		2012	4164643
Hollow	no errors	1	1	0	6	0	6		2012	4164643
Percent of Log Charred by Fire	+/- 1 class	0.5	0.5	0	0	0	0		2012	4164643
CWD History	no errors	0.5	0.5	0	6	0	3		2012	4164643
CWD Notes	N/A	1	1	0	2	0	2		2012	4164643
Fine Woody Debris										
FWD Condition Class Number	no errors	2	1	0	4	0	4		2012	4164643
Small FWD Count (0.1 - 0.24)	see manual	1	1	0	4	0	4		2012	4164643
Medium FWD Count (0.25 - 0.9)	+/- 20%	1	1	0	4	0	4		2012	4164643
Large FWD Count (1.0 - 2.9)	+/- 20%	1	1	0	4	0	4		2012	4164643
High Count Reason	no errors	1	1	0	0	0	0		2012	4164643
Residue Pile on Transect	no errors	1	1	0	4	0	4		2012	4164643
FWD Notes	N/A	0.5	0.5	0	0	0	0		2012	4164643
Duff, Litter, Fuelbed Depths										
Duff, Litter and Fuelbed Sample	no errors	1	1	1	8	1	8		2012	4164643
Duff Depth	+/- 0.5 in	1	1	1	7	1	7		2012	4164643
Litter Depth	+/- 0.5 in	1	1	1	7	1	7		2012	4164643
Fuelbed Depth	+/- 20%	1	1	1	7	1	7		2012	4164643
Duff, Litter, Fuelbed Notes	N/A	0.5	0.5	0	2	0	1		2012	4164643
Fuel Loading on the Microplot										
Live Shrubs % Cover	+/- 1 class	0.5	0.5	0	0	0	0		2012	4164643
Live Shrubs Height	+/- 0.5 ft	0.5	0.5	0	0	0	0		2012	4164643
Dead Shrubs % Cover	+/- 1 class	0.5	0.5	0	0	0	0		2012	4164643
Dead Shrubs Height	+/- 0.5 ft	0.5	0.5	0	0	0	0		2012	4164643
Live Herbs % Cover	+/- 1 class	0.5	0.5	0	0	0	0		2012	4164643
Live Herbs Height	+/- 0.2 ft	0.5	0.5	0	0	0	0		2012	4164643
Dead Herbs % Cover	+/- 1 class	0.5	0.5	0	0	0	0		2012	4164643
Dead Herbs Height	+/- 0.2 ft	0.5	0.5	0	0	0	0		2012	4164643
Litter % Cover	+/- 1 class	0.5	0.5	0	0	0	0		2012	4164643
Fuel Loading Notes	N/A	0.5	0.5	0	0	0	0		2012	4164643
Residue Piles										
Pile Number	no errors	1	1	0	0	0	0		2012	4164643
Residue Pile Condition Class Number	no errors	2	1	0	0	0	0		2012	4164643
Pile Azimuth	+/- 10 deg	1	1	0	0	0	0		2012	4164643
Pile Shape	no errors	1	1	0	0	0	0		2012	4164643
Pile Length 1	+/- 10%	1	1	0	0	0	0		2012	4164643
Pile Length 2	+/- 10%	1	1	0	0	0	0		2012	4164643
Pile Width 1	+/- 10%	1	1	0	0	0	0		2012	4164643
Pile Width 2	+/- 10%	1	1	0	0	0	0		2012	4164643
Pile Height 1	+/- 10%	1	1	0	0	0	0		2012	4164643
Pile Height 2	+/- 10%	1	1	0	0	0	0		2012	4164643
Pile Density	+/- 20%	1	1	0	0	0	0		2012	4164643
Horizontal Distance to Pile	see manual	1	1	0	0	0	0		2012	4164643
Residue Pile Notes	N/A	0.5	0.5	0	0	0	0		2012	4164643

Total	4	135
Total Quality		97.0%

EXHIBIT A, PSU RFQ #22404

Item	Tolerance	Error Unit	Credit Unit	Error Tally	Credit Tally	Total Error	Total Possible Credit	Notes	Measure Year	Hex
Live and Standing Dead Tree Tally										
Tree Tacking										
Tree Tag Number	no errors	2	1	3	48	6	48		2012	4164643
Previous Tree Tag Number	no errors	2	1	3	41	6	41		2012	4164643
Tree Condition Class Number	no errors	2	1	0	49	0	49		2012	4164643
Previous Tree Status	no errors	4	2	0	42	0	84		2012	4164643
Present Tree Status	no errors	4	2	0	49	0	98		2012	4164643
Subplot Tally Tree Witness	no errors	1	1	0	49	0	49		2012	4164643
Standing Dead	no errors	2	1	0	4	0	4		2012	4164643
Reconcile	no errors	4	2	0	7	0	14		2012	4164643
Tree Species	no errors	4	2	0	49	0	98		2012	4164643
Azimuth	+/- 10 deg	1	1	0	41	0	41		2012	4164643
Horizontal Distance	see manual	1	1	3	49	3	49		2012	4164643
Slope Distance to Witness Tree or Object	+/- 0.2 ft	3	2	0	8	0	16		2012	4164643
Reference Azimuth	+/- 4 deg	3	2	1	8	3	16		2012	4164643
Diameter										
Previous Diameter at Breast Height	N/A	2	1	0	0	0	0		2012	4164643
Diameter at Breast Height	see manual	5	2	2	49	10	98		2012	4164643
Snag Estimated Diameter	see manual	1	1	0	0	0	0		2012	4164643
Previous Diameter at Root Collar	no errors	1	1				0		2012	4164643
DRC Stem Diameter	±0.2 in per stem	1	1				0		2012	4164643
DRC Stem Status	no errors	1	1				0		2012	4164643
Current Number of Stems	no errors	1	1				0		2012	4164643
Diameter Check	no errors	1	1	0	48	0	48		2012	4164643
Tree Growth										
Tree Age (bored)	+/- 10%	4	2	2	4	8	8		2012	4164643
Tree Age (extrapolated)	+/- 30%	2	1	0	0	0	0		2012	4164643
Tree Age Method	no errors	1	1	0	4	0	4		2012	4164643
Number of Rings	+/- 10%	1	1	0	0	0	0		2012	4164643
Number of Rings in Inner 2 Inches	+/- 10%	1	1	0	0	0	0		2012	4164643
Length of Measured Core	+/- 0.2 inch	1	1	0	0	0	0		2012	4164643
10 Year Increment	see manual	2	1	0	2	0	2		2012	4164643
5 Year Increment	see manual	2	1	0	2	0	2		2012	4164643
5 Year Height Growth	see manual	2	1	2	2	4	2		2012	4164643
Tree Length										
Previous Actual Length	N/A	2	1	0	0	0	0		2012	4164643
Actual Length	see manual	2	1	14	48	28	48		2012	4164643
Previous Total Length	N/A	2	1	0	0	0	0		2012	4164643
Total Length	+/- 10%	2	1	7	48	14	48		2012	4164643
Length Method	no errors	1	1	0	48	0	48		2012	4164643
Tree Live Crown Measurements										
Compacted Crown Ratio	+/- 10%	2	1	0	45	0	45		2012	4164643
Crown Class	no errors	2	1	6	45	12	45		2012	4164643
Tree Damage										
Damage Location	+/- 1 class	1	1	6	73	6	73		2012	4164643
Damaging Agent	Correct Category	2	1	6	36	12	36		2012	4164643
Damaging Severity	see manual	1	1	5	43	5	43		2012	4164643
Unknown Damage Type	no errors	1	1	4	2	4	2		2012	4164643
Dwarf Mistletoe Class	+/- 1 class	1	1	0	20	0	20		2012	4164643
Rotten/Missing Cull	+/- 10%	2	1	4	44	8	44		2012	4164643
Rough Cull	+/- 10%	1	1	1	34	1	34		2012	4164643
Miscellaneous Live Tree Data Items										
Cavity Presence	no errors	1	1	0	44	0	44		2012	4164643
Remnant Tree	no errors	1	1	0	41	0	41		2012	4164643
Hardwood Cull	no errors	1	1	0	0	0	0		2012	4164643
Form Class	no errors	1	1	0	21	0	21		2012	4164643
Standing Dead or Removed										
Cause of Death	no errors	2	1	0	3	0	3		2012	4164643
Mortality Year	see manual	1	1	0	3	0	3		2012	4164643
Decay Class	+/- 1 class	1	1	0	0	0	0		2012	4164643
Snag Reason for Disappearance	no errors	1	1	0	0	0	0		2012	4164643
Culturally Killed	no errors	1	1	0	3	0	3		2012	4164643
Tree Notes	N/A	1	1	0	9	0	9		2012	4164643
Special Study Platform/Moss Abundance										
Platform Abundance	see manual	1	1	0	0	0	0		2012	4164643
Moss Abundance	+/- 20%	1	1	0	0	0	0		2012	4164643
Mortality and Growth Assessment										
Mortality Tree History	no errors	4	1	0	0	0	0		2012	4164643
Cause of Death/Damaging Agent	no errors	2	1	0	0	0	0		2012	4164643
Re-measured Diameter	see manual	2	1	0	0	0	0		2012	4164643
Re-measured Diameter Check	no errors	2	1	0	0	0	0		2012	4164643
Mortality Tree Notes	N/A	1	1	0	0	0	0		2012	4164643
P3 Growers										

EXHIBIT A, PSU RFQ #22404

Item	Tolerance	Error Unit	Credit Unit	Error Tally	Credit Tally	Total Error	Total Possible Credit	Notes	Measure Year	Hex
Tally Items (added/missed tally)										
Trees (1.0 - 4.9)	no errors	2	1	0	4	0	4		2012	4164643
Trees (5.0 - 23.9)	no errors	3	1	1	41	3	41		2012	4164643
Trees (>= 24.0)	no errors	4	1	0	3	0	3		2012	4164643
						Total	3	48		
						Total Quality	93.8%			

Item	Tolerance	Error Unit	Credit Unit	Error Tally	Credit Tally	Total Error	Total Possible Credit	Notes	Measure Year	Hex
Seedling Data										
Seedling Count										
Seedling Condition Class Number	no errors	1	1	0	5	0	5		2012	4164643
Seedling Species	no errors	2	1	1	5	2	5		2012	4164643
Seedling Count	see manual	2	1	0	7	0	7		2012	4164643
Seedling Count Notes	N/A	1	1			0	0		2012	4164643
						Total	2	17		
						Total Quality	88.2%			

Item	Tolerance	Unit	Unit	Tally	Tally	Error	Credit	Notes	Year	Hex
Species Composition										
Species Code	no errors	2	1	3	54	6	54		2012	4164643
Unique Species Number	no errors	0.5	0.5	0	0	0	0		2012	4164643
Specimen Officially Collected	no errors	0	0	0	54	0	0		2012	4164643
P2 Specimen Not Collected Reason Code	no errors	0	0	0	5	0	0		2012	4164643
Specimen Label Number	no errors	0	0	0	0	0	0		2012	4164643
Species Growth Habit	no errors	1	1	0	54	0	54		2012	4164643
Species Vegetation Layer	no errors	0.5	0.5	0	54	0	27		2012	4164643
Species Canopy Cover	+/-1 class	2	1	0	54	0	54		2012	4164643
Vegetation Structure										
Vegetation Condition Class Number	no errors	0.5	0.5	0	4	0	2		2012	4164643
Tally Tree Species Cover Layer 1	+/-1 class	1	1	0	4	0	4		2012	4164643
Tally Tree Species Cover Layer 2	+/-1 class	1	1	0	4	0	4		2012	4164643
Tally Tree Species Cover Layer 3	+/-1 class	1	1	0	4	0	4		2012	4164643
Tally Tree Species Cover Layer 4	+/-1 class	1	1	0	4	0	4		2012	4164643
Tally Tree Species Cover Aerial View	+/-1 class	1	1	0	4	0	4		2012	4164643
Non-Tally Tree Species Cover Layer 1	+/-1 class	1	1	0	4	0	4		2012	4164643
Non-Tally Tree Species Cover Layer 2	+/-1 class	1	1	0	4	0	4		2012	4164643
Non-Tally Tree Species Cover Layer 3	+/-1 class	1	1	0	4	0	4		2012	4164643
Non-Tally Tree Species Cover Layer 4	+/-1 class	1	1	0	4	0	4		2012	4164643
Non-Tally Tree Species Cover Aerial View	+/-1 class	1	1	0	4	0	4		2012	4164643
Shrub and Woody Vine Cover Layer 1	+/-1 class	1	1	0	4	0	4		2012	4164643
Shrub and Woody Vine Cover Layer 2	+/-1 class	1	1	0	4	0	4		2012	4164643
Shrub and Woody Vine Cover Layer 3	+/-1 class	1	1	0	4	0	4		2012	4164643
Shrub and Woody Vine Cover Layer 4	+/-1 class	1	1	0	4	0	4		2012	4164643
Shrub and Woody Vine Cover Aerial View	+/-1 class	1	1	0	4	0	4		2012	4164643
Forb Cover Layer 1	+/-1 class	1	1	1	4	1	4		2012	4164643
Forb Cover Layer 2	+/-1 class	1	1	1	4	1	4		2012	4164643
Forb Cover Layer 3	+/-1 class	1	1	0	4	0	4		2012	4164643
Forb Cover Layer 4	+/-1 class	1	1	0	4	0	4		2012	4164643
Forb Cover Aerial View	+/-1 class	1	1	0	4	0	4		2012	4164643
Graminoid Cover Layer 1	+/-1 class	1	1	0	4	0	4		2012	4164643
Graminoid Cover Layer 2	+/-1 class	1	1	0	4	0	4		2012	4164643
Graminoid Cover Layer 3	+/-1 class	1	1	0	4	0	4		2012	4164643
Graminoid Cover Layer 4	+/-1 class	1	1	0	4	0	4		2012	4164643
Graminoid Cover Aerial View	+/-1 class	1	1	0	4	0	4		2012	4164643
Vegetation Notes	N/A	1	1	0	3	0	3		2012	4164643
						Total	8	294		
						Total Quality	97.3%			

EXHIBIT A, PSU RFQ #22404

Item	Tolerance	Error Unit	Credit Unit	Error Tally	Credit Tally	Total Error	Total Possible Credit	Notes	Measure Year	Hex
Site Index										
Site Tree Subplot Number	no errors	1	1	0	7	0	7		2012	4164643
Site Tree Status	no errors	1	1	0	8	0	8		2012	4164643
Questionable Site Tree Flag	no errors	1	1	0	6	0	6		2012	4164643
Site Tree Condition Class List	no errors	2	1	0	6	0	6		2012	4164643
Site Tree Tree Tag Number	no errors	1	1	0	5	0	5		2012	4164643
Site Tree Azimuth	+/-10 deg	1	1	0	6	0	6		2012	4164643
Site Tree Horizontal Distance	+/- 5 feet	1	1	0	6	0	6		2012	4164643
Site Tree Species	no errors	2	1	0	7	0	7		2012	4164643
Site Tree Diameter	see manual	1	1	0	7	0	7		2012	4164643
Site Tree Length (Ht)	see manual	2	1	0	7	0	7		2012	4164643
Tree Age at Diameter	+/- 5 yrs.	2	1	0	7	0	7		2012	4164643
Site Tree Selection Method	no errors	2	1	0	2	0	2		2012	4164643
Site Tree Selection	no errors	2	1	0	0	0	0		2012	4164643
Site Tree Notes	N/A	2	1	0	4	0	4		2012	4164643
Total						0	78			
Total Quality							100.0%			

Item	Tolerance	Error Unit	Credit Unit	Error Tally	Credit Tally	Total Error	Total Possible Credit	Notes	Measure Year	Hex
Ground Cover										
Ground Cover Type	no errors	0.5	0.5	0	60	0	30		2012	4164643
Cover	+/- 5%	0.5	0.5	0	60	0	30		2012	4164643
Ground Cover Notes	N/A	0.5	0.5	0	0	0	0		2012	4164643
Total						0	60			
Total Quality							100.0%			

Item	Tolerance	Error Unit	Credit Unit	Error Tally	Credit Tally	Total Error	Total Possible Credit	Notes	Measure Year	Hex
Plot Jacket										
Plot Jacket Labels	no errors	1	1	0	1	0	1		2012	4164643
Plot Card										
Plot Access	see manual	1	1	0	1	0	1		2012	4164643
Plot Narrative	see manual	2	1	0	1	0	1		2012	4164643
Mapping	see manual	2	1	0	1	0	1		2012	4164643
Header/Footer/I.D.	no errors	1	1	0	1	0	1		2012	4164643
Photos pinpricked and labeled accurately	+/- 30 ft	3	1	0	1	0	1		2012	4164643
Landowner Contact Sheet correctly recorded	no errors	1	1	0	0	0	0		2012	4164643
Plot Edit Sheet complete	no errors	1	1	0	1	0	1		2012	4164643
FDM explanations sheet present	no errors	0.5	0.5	0	1	0	0.5		2012	4164643
Ht/DBH Graph present	no errors	0.5	0.5	0	1	0	0.5		2012	4164643
Boundary Viewer printout present	no errors	0.5	0.5	0	1	0	0.5		2012	4164643
Total						0	8.5			
Total Quality							100.0%			

Item	Tolerance	Error Unit	Credit Unit	Error Tally	Credit Tally	Total Error	Total Possible Credit	Notes	Measure Year	Hex
Plot Locations										
Plot center location	+/- 30 ft	5	2	0	1	0	2		2012	4164643
Subplot center location establishment	+/- 5 ft	3	2	0	3	0	6		2012	4164643
Microplot center location establishment	+/- 0.1 ft	1	1	0	4	0	4		2012	4164643
Total						0	12			
Total Quality							100.0%			

Item	Tolerance	Error Unit	Credit Unit	Error Tally	Credit Tally	Total Error	Total Possible Credit	Notes	Measure Year	Hex
Indicator Species on R6 Lands										
Indicator Species	no errors	1	1	5	83	5	83		2012	4164643
Indicator Species Canopy Cover	+/-1 class	1	1	5	83	5	83		2012	4164643
Total						10	166			
Total Quality							94.0%			