Kristin Davis

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Sent: Thursday, April 28, 2016 10:44 AM
To: Marek Smith (marek_smith@TNC.ORG); Jean Lorber (jlorber@TNC.ORG); Sarah Francisco; Kristin Davis
Cc: McNichols, Elizabeth -FS
Subject: enhanced monitoring form
Attachments: enhanced monitoring form.xlsx

Sorry it took so long to get this back out to you.
Attached is a new draft enhanced monitoring form to use in the future. Edit are welcome.
Talking further with Jean, we agreed that something around 20 understory plots per stand was appropriate.
This would give us somewhere around 3 x 1000th acre plots per nested overstory/midstory/understory plot depending on the size of the stand.
It's fairly simplistic but I think it captures all of the items we discussed in our meeting last month.

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Field Inventory Monitoring Form

Sale: Comp: Treatment:

NNIS? Stand: Acres:

Nested Plot #	Overstory	10 BAF	Midstory	1/100 ac	Understory	Microplot#	1/1000 ac
	Basal Area	Spp/dbh	Spp	dbh/count	Cover/Spp		%cover/count

Instructions:

Visit a percentage of stands 3 - 5 years post-treatment.

Selection/priority of stand to monitor based on variability of the following protc

- Silvicultural Prescription
- Ecological System Group
- Site Index
- Biomass vs. Non-biomass treatment
- Rx burn vs. Non-Rx burn

Plot locations to reflect variablity of stand:

- Different aspects, ridgetop, etc.

Overstory, midstory, and understory plots use the same plot center (nested).

Understory plots will be taken at a higher rate between nested plots

Overstory plot: Use 10 BAF prism for total basal area per acre and record specie and dbh by 2" diameter classes

Midstory plot: 100th acre plot recording all stems between 1" and 4" dbh

- by species and count and 1" diameter class

Understory (micro) plot: 1000th acre plot recording all stems under 1" dbh by

- cover type (grass/forb/shrub) and %coverage and species (woody st by count

Canopy closure is relative to residual basal area of overstory

(ie 50 sqft/acre ~ 50% canopy closure)

Record prescence of NNIS in the stand as a whole with a simple 'yes' or 'no'

- If 'yes', record species

Take nested plots at a rate of approximately 1 plot per 4 acres (will be at the decrection of monitor to take more or less plots due to on-the-ground conditior

Take Understory plots only between nested plots at a rate of 3 understory per 1 nested plot. Goal is to have around 20 understory plots per stand

(ie 1 nested plot per 4 acres and 3 understory plots between nested plots)

If you had a 20 acre stand, you would end up with 5 nested plots and