

Field Sampling Procedures For Photo Series - Natural Stands

Indicate stand type of interest.

Pick a plot location within the stand that is representative of average stand conditions.

Permanently mark the plot in the field by means of a metal or plastic plot tag and note the location within the plot on a map. It may be necessary to put in a tie point and tie the line from some nearby and easy to relocate feature.

Establish plot - a 30 m-per side triangle (390 m²).

Plot Details

Date: _____ Surveyor (s): _____

Plot location and tie point details if applicable:

Plot Latitude: _____ Plot Longitude: _____

1.) Site description

BGC Zone	_____	Sub	_____	Var	_____
Site association				Slope	_____ %
Aspect	Flat	Fl	South	S	
	North	N	Southeast	SE	
	Northeast	NE	Southwest	SW	
	Northwest	NW	West	W	
	East	E			
Elevation	_____	m			
Surface substrate in plot					
Decaying wood					_____ %
Bedrock					_____ %
Cobbles and stones					_____ %
Mineral soil					_____ %
Organic matter					_____ %
Water					_____ %
Total					_____ 100%

2.) Vegetation

Stand Type

Primary Species _____

Secondary Species _____, _____, _____

Height class _____

Stocking class _____

Canopy class _____

Age class _____

For tree composition:

1. do a 100% sample within the plot

2. tally of all trees

by species

note if live or dead

crown class

veteran _____

dominant _____

codominant _____

intermediate _____

suppressed _____

regeneration _____

DBH

snag count

3. percent cover by crown class

veteran _____ %

dominant _____ %

codominant _____ %

intermediate _____ %

suppressed _____ %

regeneration _____ %

total trees _____ %

4. sample of twenty dominant and codominant trees

total height

height to base of live crown

1

m _____

m _____

2	m	m
3	m	m
4	m	m
5	m	m
6	m	m
7	m	m
8	m	m
9	m	m
10	m	m
11	m	m
12	m	m
13	m	m
14	m	m
15	m	m
16	m	m
17	m	m
18	m	m
19	m	m
20	m	m

age samples of five largest trees to estimate total stand age

For understory vegetation

note species within plot

trees are not included (done above)

tall shrubs (>10 m ht) and cover

_____	%
_____	%
_____	%

low shrubs (2 - 10 m ht) and cover

_____	%
_____	%
_____	%

total shrubs cover %

forbes and grasses cover %

4. Downed woody fuels

one triangle (30 m per side) with sampling
as per FRDA Handbook 001

5. Forest floor

measure L, F, H layer depths on the fuel sampling triangles

5 per line (every 5 m), 15 total

6. photographs

From vantage point to take in general plot area:

horizontal of stand

vertical to shown crown

ground cover