



Reclassification of Scrub Study Area

**Scrub Study Area
Little Grand Lake/Red Indian Lake
Completed October 2002**

**Brian Hearn
Natural Resources Canada**

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Foreword

The coverages contained on this CD have scrub polygons re-interpreted from the LCOV layer of the Provincial forest inventory. This project was a cooperative project funded by the NL Forest Service, Corner Brook Pulp & Paper, Abitibi Consolidated, the Western Newfoundland Model Forest, and Natural Resources Canada – Canadian Forest Service. This project focused on providing a greater level of definition to the Scs layer of the Provincial Forest Inventory and was specifically targeted at the Little Grand Lake and Red Indian Lake regions; these two areas served as the main study areas for an intensive Newfoundland Marten Research Project from 1995-2000.

Polygons that were initially labelled as either softwood or hardwood scrub in the LCOV layer are the only polygons re-interpreted in each coverage. These polygons were re-interpreted and the resulting scrub polygons were assigned a height class, density code, and site code. It is important to note that the re-interpreted polygons may be given labels other than scrub such as soil barren etc...

Any clarification on this project or for technical assistance, please contact:

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Coverage Naming Convention:

SCRB%mmss%FNO; where mm = map number and ss = section number

Corresponding Map and Sections used;

82 – 14, 24, 34

83 – 11, 12, 13, 14, 21, 22, 23, 31, 32, 33

84 – 11, 12, 13, 14, 22, 23, 24, 33, 34, 44
85 – 11, 21, 22, 31, 32, 41, 42
96 – 24, 34, 44
97 – 21, 31, 32, 33, 41, 42, 43, 44
98 – 41

Projection Information:

The re-interpreted coverages have a Transverse Mercator (TM) projection and the datum is NAD83.

For our purposes, each coverage was reprojected to Universal Transverse Mercator (UTM) and given a NAD27 CNT datum using the following procedure; (See *Reproject.aml*)

- i.) Using ArcInfo's PROJECT command project the TM NAD83 coverages to UTM NAD83.
- ii.) Then using ArcInfo's PROJECTDEFINE command, define the projection to UTM NAD83 CNT for each coverage.
- iii.) Again using the PROJECT command, reproject the coverages to UTM NAD27 CNT.

Description of Codes:

Exactly the same as the Data Dictionary for the Provincial District Libraries used in the UPDATES layer except for the following;

- i.) The following items were included in the PAT's for each re-interpreted coverage but are different than that of the Data Dictionary for District Library;
 - type_sil
 - year_sil
 - type_disturb
 - year_disturb
 - x-coord
 - y-coord
 - land_class
- ii.) The following items were not included in the PAT's for each re-interpreted coverage;
 - mu
 - mapid
 - owner
 - owner_type
 - sw_vol_ha
 - hw_vol_ha
 - alencode

- opcode
- buffcode
- regcode
- rdcode
- odsourc
- odyear
- odcode
- cutsourc
- Yearcut
- year_silv
- type_silv

- iii.) WORKING_GROUP and SPECIES_COMP have two new labels;
 - a.) CS – Conifer scrub
 - b.) DS – Deciduous scrub
- iv.) STAND_ID's for scrub, i.e., 900 (CS) and 910 (DS) and other forested areas have been dropped, they are given a 0 value.
- v.) STAND_ID's remain unchanged for non-forested features
- vi.) LAND_CLASS is labelled “F” for forested features and unlabelled for unforested features.
- vii.) DENSITY_CODE - Crown Density of a stand.

<u>Crown Density Class</u>	<u>Description</u>
1	over 75% crown closure
2	51%-75% crown closure
3	26%-50% crown closure
* 4	10%-25% crown closure

* New density code compared to Data Dictionary for District Library

- vi.) SITE - biophysical class

- * W – wet
- * D – dry
- * R – bedrock
- P – Poor
- M – Medium
- G – Good
- H – High

* New site code compared to Data Dictionary for District Library

Procedure to update the UPDATES layer of the Provincial inventory coverages with the re-interpreted scrub layer:

An AML (i.e., *Updatescrub.aml*) was created that removes items from the reinterpreted coverages that are different than that of the Data Dictionary for District Library and adds those items that were missing but common to that of the Data Dictionary for District Library. Then it RESELECTS the scrub polygons from the updates layer and a new coverage of just scrub polygons is created. This new coverage is used to clip the re-interpreted scrub layer to produce a coverage of the re-interpreted scrub polygons. Then using the UPDATE command in ArcInfo, the updates layer is updated with the new re-interpreted scrub polygons. This is completed for each mapsheet and subsequent intermediate coverages are deleted (See *Updatescrub.aml*).