



**FOREST PRACTICES BRANCH**

# Guide to Completing FS 708 Forms

Ministry of Forests  
Forest Practices Branch



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## Introduction

This guide replaces the previously distributed *Guide to Completing the FS 708 Form Interim, May 1995*.

## What is FS 708 Reporting?

The *Forest Practices Code of BC Act and Regulations* requires all major licensees, where they have responsibility to establish a free growing stand, to submit reports to the ministry.

Section 28 of the *Silviculture Practices Regulation* (B.C. Reg. 108/98) details the statutory reporting requirements for major licence holders.

## Reporting Requirement for the Holder of a Major Licence

- 28** (1) A holder of a major licence who is required to establish a free growing stand on an area under a silviculture prescription must submit each year to the district manager the following reports:
- (a) on or before July 31 and January 31, a report in Forms B and C, describing the timber harvesting for the area, together with an accurate map of the area, if all timber harvesting for the area was completed more than 4 weeks before the date of the report and has not previously been reported;
  - (b) on or before July 31, 2000, and in subsequent years on or before May 31, a report in Form B describing the silviculture treatments completed in the area for the preceding year ending March 31;
  - (c) on or before July 31, 2000, and in subsequent years on or before May 31, after the completion of the report of the survey carried out under section 23 (1) (b) or (c) or (3) in the preceding year ending March 31, a report in Form C with an accurate map showing the silviculture treatments applied and a map notation that includes a description of the forest cover by species, height, age, density and site index;
  - (d) after the completion of the report of the survey carried out under section 23 (1) (c) or (3), a statement, signed and sealed by a professional forester that the area under the silviculture prescription has achieved free growing in accordance with the silviculture prescription.
- (2) A holder of a major licence who carries out a silviculture treatment specified in a stand management prescription referred to in section 24 (2) of the Act must prepare a report that
- (a) contains a summary of the silviculture treatments performed on the free growing stand on the area during the period beginning 4 weeks before the last report and ending 4 weeks before the prescribed date under subsection (3), and
  - (b) specifies whether the silviculture treatment was carried out to fulfil the requirements of a management plan or an agreement under the *Forest Act*.
- (3) A person required to prepare a report under subsection (2) must ensure that the report
- (c) is signed and sealed by a professional forester, and
  - (d) is submitted each year to the district manager on or before July 31 and January 31.
- (4) The chief forester may specify the form and content of a report under subsection (1) (d) or (2).

**Note: SPR 28 (1)(a) requires that the reporting of harvesting activities only when the harvesting is complete on Form 'B'. Harvested area is reported for the gross area.**

The FS 708 B and C represent Forms B and C reports format referenced in the regulation (see Appendix A for form examples).

Currently, there are two processes for submitting Form B and Form C information to the district manager:

- via a paper form sent to the District Manager; or,
- via MLSIS electronic data transfer (MLSEDT).

Licensees who are interested in submitting Form B and C electronically, can get further information by contacting: [Brian.McLennan@gems9.gov.bc.ca](mailto:Brian.McLennan@gems9.gov.bc.ca)

### *Forest Practices Code of British Columbia Act*

- Areas of non-commercial forest cover (NCC) less than 4 hectares in size if indicated in the silviculture prescription, may be excluded from the net area to be reforested.

### Silviculture Practices Regulation

- Form B and C submission deadline for silviculture activities is now May 31 for all activities completed in the previous Ministry of Forests fiscal year (April 1<sup>st</sup>, to March 31<sup>st</sup>).
- Form C no longer requires signing and sealing by a Registered Professional Forester. This means that licensees who are involved with MLSEDT can submit their Form 'C' electronically without a subsequent hardcopy report. Maps, however, will have to be sent to the district office, unless there is a digital map exchange agreement between the licensee and district office.
- A signed and sealed declaration is required after a free growing survey is completed to confirm that the area under the silviculture prescription (SP) is free growing

For further information on changes to the Silviculture Practices Regulation, see in an September 5, 2000 memorandum *Changes to the Silviculture Practices Regulation July 2000* attached in Appendix C of this guide.

## **An Overview of Form B and C**

Form B describes disturbance and silviculture activities that have taken place within a cutblock/opening. Area measurements must be accurate and defensible under inspection or audit.

Standards for establishing area re-measurements can be found in an October 28, 1997 memorandum *Guidance on Requirement for Prescription Amendment for Area Re-measurement* attached in Appendix C of this guide. In addition, Resource Inventory Branch has an *Operational Field Procedures for Forest Resource Survey and Mapping Using Global Positioning System Technology*, version 2.0 March 31, 1998.

Form C reports the inventory and silviculture attributes for a specific cutblock at a particular time. Attributes for one cutblock are entered on each form. Form C and an attached map must be submitted under the following milestone events:

- after disturbance (harvesting) is complete;
- when regeneration is achieved; and,
- when free growing is achieved.

Maps are included with all Form C submissions, so that ministry inventory maps can be updated. To meet the legal requirements, those licensees who are submitting their Form C electronically will still be required to send a map to the ministry.

## **Mapping Standards**

Resource Inventory and Forest Practices Branches have agreed that an accurate map is a map which estimates the cutblock/opening area to within +/- 5% of an estimate derived through a closed ground

traverse or GPS system. In addition, the location of strata and opening type lines on submitted maps must be +/- 2 millimetres of the true location on a 1:20 000 or 1:15 000 scale map (whichever the district requires).

## Guidelines for Completing the FS 708

### Via Paper Form

When completing the FS 708 forms, be sure to follow these guidelines:

- Submit only original or high quality photocopies of the FS 708 forms. New forms can be obtained from the Ministry's form web site at <http://www.for.gov.bc.ca/pscripts/isb/forms/forms.asp>
- Facsimiles of the FS 708 forms produced from licensees' own information systems may be acceptable.
- Use blue or black ink when completing the forms.
- Enter corrections or modifications to forms in red ink.
- Use only UPPERCASE LETTERING when completing the forms.
- All dates on the forms must be historical and relate to the activities that have already taken place. Dates beyond the current date are not valid.
- When entries require the use of more than one line (e.g., more than four species for planting on Form B), enter the additional information on the following line, leaving all other data fields within the same row blank
- When listing several activities for the same cutblock, enter an arrow pointing downward in the data fields which remain the same or a line across them (see examples). Then duplicate data fields will be entered.

### Via Electronic Data Transfer

Licensees who choose to submit their FS 708 forms electronically should obtain the document *Using MLSEDT – Guide to Managing Digital FS 708 Submissions* from the Ministry of Forests web site at <http://www.for.gov.bc.ca/isb/isis/mlsedt/>

This document provides detailed instructions on digital file processes and standards for digital submission. The guide to completing FS 708 forms contains information additional to the electronic transfer document such as data definitions, code lists, business and process edit rules.

Validations corresponding to the business rules established in this completion guide are used for the digital submissions.

## Information Requirements from the Silviculture Prescription

Historically, a Form A (FS 708A) was used to provide districts with key silviculture prescription (SP) information that was entered into the corporate information system. Use of Form A has been reduced since a SP can be used to enter the data directly into the corporate information system. Form A has never been a legislated requirement. Therefore, the Form A has been replaced by a list of attributes from the SP that are entered and tracked on the Ministry of Forests information systems.

Since licensees use their own in-house SP formats, this makes the data entry of the SP information time consuming and prone to data entry errors. Suggestions to simplify data entry are as follows:

- highlight the fields required for data entry directly on the SP; or,
- generate a facsimile of the data listed in the mandatory section via their own in-house system.

For licensees submitting their information via MLSEDT, the SP information is already stored on their information system. It can be submitted via MLSEDT and the data is accurately transferred to the Ministry's corporate database in order to accept subsequent Form B and Form C submissions.

Definition and standards surrounding the completion of the silviculture prescription is outlined in the *Silviculture Prescription Guidebook*, available on the Ministry of Forests website at <http://www.for.gov.bc.ca/TASB/LEGSREGS/FPC/FPCGUIDE/PRE/index.htm>

The following table lists the mandatory information from the SP that is tracked in the corporate information system. These are highlighted on the SP template, found in Appendix 2 of the *Silviculture Prescription Guidebook*.

Section	Data Fields
Tenure	Timbermark Block Licence No C.P. Date SP Approved TAUP (ha) Maximum Allowable Permanent Access (%) Net Area to be Reforested (ha)
Layer	SU Layer Net Area (ha) BGC Zone/subzone/phase/variant Site Series Target Stocking (wss/ha) Stock Minimum (wss/ha) Minimum Preferred (wss/ha) Min. Horiz. (m) Basal Area (m <sup>2</sup> /ha) Preferred Species ( up to 5 species) Acceptable Species (up to 3 species) Max. Conifer (st/ha) Regen Date (yrs) Early FG (yrs) Late FG (yrs) Ht. Relative to Comp. (%/cm) Maximum Allowable Soil Disturb. (%)

Other information such as previous timber type, regeneration method, reserve type, pest code and pest percent are not mandatory data requirements at the time of SP submission. However, the system is capable of recording this information, if it is supplied to the ministry.

The following section highlights the data definitions, standards, and associated business/edit rules for information supplied from the SP. They are used as a reference to assist those licensees who are using MLSEDT to ensure that the information is submitted in consistent manner.

## **Tenure Information**

The Major Licensee silviculture data is linked to Forest Tenure Administration System (FTAS) through timbermark. Most tenure information associated with an obligation is obtained from FTAS rather than from direct input into the ministry's corporate information system. Therefore, new tenures and cutting authorities must be entered into FTAS before the associated silviculture information from the SP can be entered.

The timbermark, licence and cutting permit number must be coded exactly as it appears in FTAS so the information matches and is accepted.

### ***Multiple tenure SPs***

The migration of MLSIS information into ISIS allows for easier administration of multiple tenures under one SP. The SP template has been expanded to enable the linking of multiple tenures within one SP, with the largest tenure type as being the prime tenure type for future reference.

Ensure all areas are broken down for each timber mark on the SP. The licensee can either put the breakdown of areas (total area under the prescription and net area to be reforested) under Section A (administration), or they can put the breakdown of areas on the map.

### ***Multiple harvest entries***

For a number of possible reasons, harvesting within a cutblock may require multiple entries. For example, harvesting a portion of a cutblock block is deferred until suitable market conditions can justify high heli-logging costs. However, harvesting the first portion of the block , triggers regeneration and free growing obligations for all SUs within the cutblock. This poses a problem where the unlogged portions of the blocks are subject to the time constraints outlined in the SP.

To handle multiple entry logging, two options exist:

- Divide the area into separate SPs. This will allow easier tracking of obligations (e.g., cutblock basis). The disadvantage of this option is that licensees bare the burden of additional administrative cost associated with submitting more than one SPs for the area.
- Amend the SP to reflect the longer regeneration and free growing dates for the deferred area.



## SP Information that is Always Recorded and Tracked

There are eight (8) tenure related attributes from the SP that are recorded and tracked in the ministry's corporate information system.

**TIMBERMARK:** A unique identifying set of characters stamped or marked on logs to associate the logs with the specific authority to harvest and move timber. Timbermark should be in the same format as the mark.

*Business/edit rules:*

- Must exist in FTAS.

**CUTBLOCK ID:** Identifier for a cut block of a harvesting tenure (within a cutting permit for tenures with cutting permits).

*Business/edit rules:*

- Should NOT exist in FTAS.
- Cannot already exist in ISIS.
- The combined Timbermark and Cutblock fields create a unique identifier for a major licensee cutblock.
- Cannot be longer than 10 characters
- No leading zeros.
- Special characters are NOT recommended (e.g., - , / , \_ , \*)

**LICENCE NUMBER:** A licence number corresponding to the cutting authority. For reference only.

When district enters timbermark, all the other related timber information (Licence Number, Cutting Permit, Private Land Indicator, and District) are derived once SP data has been successfully entered. The only exceptions are TLs and private land within TFLs and private land within woodlots.

Licence No format examples:

Licence Number	Coded As
TFL 25	TFL25
FL A 16855	A16855
TSL (major) A25840	A25840
TL T0377(TL outside a TFL)	T0377
Woodlot W0584	W0584
Private mark BZ002 within W0025	W0025
Private mark 7M within TFL 25	TFL25

**LICENSEE:** Entered the registered holder of the licence. If there is more than one corporate entity involved, make sure the name you enter is the actual holder of the licence and not the Joint Venture partner carrying out the work.

The holder of the licence assumes the legal obligations under the approved SP.

This information will be derived from the timbermark on the system.

**CUTTING PERMIT:** Enter the cutting permit corresponding to the licence in the cutting permit document.

For timber licences or private tenure within a TFL or private tenure within woodlots, enter the cutting permit that is on the cutting authority.

**DATE SP APPROVED:** Enter the SP approval date (do not use or confuse with the date the form was reviewed).

*Business/edit rules:*

- Must be a valid date (0000-01-01 ≥ Approval Date ≤ 9999-12-31; 0000/01/01 ≥ Approval Date ≤ 9999/12/31)
- Must not be a future date.

**TOTAL AREA UNDER THE PRESCRIPTION (ha) – (TAUP):** Total area under the prescription is the area inside the marked boundary of the cutblock. It includes:

- all productive areas (standards unit),
- reserve patches of timber or immature trees,
- natural non-productive area (rock, swamp, brush, alpine forest),
- created non-productive area (planned and existing roads, landings and gravel pits); and
- individual areas of non-commercial brush.

*Business/edit rules:*

- When a road is located on a perimeter of a block and the adjacent area is either harvested or expected to be harvested, then only one-half of the area of the road should be included in the TAUP calculation.
- Where harvesting the adjacent area is not anticipated, include the entire road area in the TUAP calculation.
- If the road is authorized under a cutting permit or timber sale licence, it should be included as a part of the TAUP.
- If the road is constructed under a road permit, then the area of the road should be excluded from the TAUP.
- When a reserve is located on a perimeter of a block, its area is included in the TAUP.
- When a natural, non-productive area is located on the perimeter of a block it is not included in the TAUP.
- Must be greater than zero.

**MAXIMUM ALLOWABLE PERMANENT ACCESS %:** Enter the maximum allowable site occupancy by permanent access structure. It will be the maximum allowable for permanent structures such as main haul roads, spur roads, landings, gravel pits, burrow pits, and permanent logging trails required to meet present and future management needs.

*Business/edit rules:*

- Must be a valid decimal number between 0.0 to 99.9%.

**NET AREA TO BE REFORESTED (ha) – (NAR):** Enter the area for the cutblock which the licensee is responsible for meeting the basic silviculture requirement.

*Business/edit rules:*

- Must be greater than zero.
- Must be less than or equal to TAUP.

### **Optional SP Information that is Recorded and Tracked if it is Submitted to the Ministry**

Submission of the following information, related to the previous stand type, is optional.

**PREVIOUS STAND TYPE:** Enter the previous major stand type classification codes.

*Business/edit rules:*

- If the cutblock has more than one existing forest cover label, use the label from the largest polygon for the entire cutblock.
- Must be a valid code.

See Appendix D for Previous Stand Type Code List.

**Note:** In most cases the stocking status code will be MAT (mature).

**PREVIOUS TIMBER TYPE:** These data items describe the previous timber type and classes. The first two fields are for tree species; the last three are for the timber classes. Enter the data in the same order as shown below.

**SPECIES:** Enter the two major tree species. For valid tree species code, please refer to codelist in Appendix D.

**AGE CLASS:** A 1-digit code indicating the age class of the previous stand type. Age classes are intervals, or ranges, of ages into which trees, forests, stands, or forest types are divided into for classification and use. Enter a valid stand age class code.

See Appendix D for Age Class Code List

**HEIGHT CLASS:** A 1-digit code indicating the height class of the previous stand. Height classes represent intervals into which the range of tree or stand heights is subdivided for classification and use. Enter a valid height class code.

See Appendix D for Height Class Code List.

**STOCKING CLASS:** The stocking class code for the primary tree species in the previous stand. Enter a valid stocking class code.

See Appendix D for Stocking Class Code List.

**STOCKING TYPE:** Enter the stocking type for the previous stand as either MAT (mature) or IMM (immature).

Stocking type	All deciduous species including PL and PA	All coniferous species except PA and PL
Immature	1-80 yrs	1-120 yrs
Mature	>= 81 yrs	>= 121 yrs

**SITE INDEX:** Enter the site index for the primary tree species in the previous stand

**CROWN OR PRIVATE:** Indicate whether the obligation area is on Crown or Private Land. This field is derived through the timbermark.

### Silviculture Prescription (SP)

#### *Information that is always recorded and tracked*

There are nineteen (19) prescription-related attributes that are recorded and tracked in the ministry's corporate information system.

**STANDARDS UNIT:** A unique identifier within the opening that identifies the standard unit. Enter the Standards Unit (SU). Enter either a digit or letter.

*Business/edit rules:*

- Cannot leave this field blank.
- Must have at least 1 SU per opening/cutblock.

**LAYER:** A code that identifies the forested layer within the Standards Unit to which the stocking requirement information relates. Enter the layer number.

*Business/edit rules:*

- Blank is valid.
- Must be unique within the same Standards Unit.

**SU AREA (ha):** The net area to be reforested (NAR) for the standards unit.

*Business/edit rules:*

- The sum of all SUs is equal to the SPs Net Area to be Reforested.
- The NAR excludes reserves, roads, landings, and bladed skid roads that will not be reforested, any non-commercial brush (NCC) if indicated in the silviculture prescription as being excluded from the net area to be reforested
- Must be greater than zero.

**BIOGEOCLIMATIC ZONE:** A code representing a large geographic area with a broadly homogeneous macroclimate which influences the development of vegetation and soil.

Current zone/subzone/phase/variant phase code combinations can be found at <http://www.for.gov.bc.ca/research/becweb/bcinfo/index.htm>

Current zone/subzone/phase/variant phase code combinations can be found at <http://www.for.gov.bc.ca/research/becmaps/BECMAPS.HTM>

**BIOGEOCLIMATIC SUBZONE:** A code for the biogeoclimatic subzone for the area.

**BIOGEOCLIMATIC PHASE:** A code for the biogeoclimatic phase. Accommodates the variation, resulting from local relief, in the regional climate of the subzones and variants.

**BIOGEOCLIMATIC VARIANT:** A code for the biogeoclimatic variant. A division of the BGC Subzone on the basis of differences in floristic composition of the zonal ecosystem, but usually on the basis of differences in the cover and vigour of the plant species.

**BIOGEOCLIMATIC SITE SERIES:** A code for the biogeoclimatic site series. Site series is the consideration of all ecosystems capable of producing vegetation belonging to the same plant association at climax. Enter the site series corresponding to the SU and BGC zone.

*Business/edit rules:*

- Must correspond to the Ministry ecosystem association numbers.

**TARGET STOCKING (stems/ha):** The number of well-spaced (preferred and acceptable) trees per hectare that will, in normal circumstances, produce an optimal FG crop. Target stocking standards are the standards which silviculture activities are aimed at achieving.

*Business/edit rules:*

- Must be greater than zero if present.

**STOCK MINIMUM (stems/ha):** The minimum number of well-spaced trees per hectare (of preferred and acceptable species) that must be present for the standards unit to be considered satisfactorily restocked or free growing.

*Business/edit rules:*

- Must be greater than zero if present.
- Must be a valid integer.
- Must be less than TARGET STOCKING.

**MINIMUM PREFERRED (wss/ha):** The minimum number of well spaced trees per hectare, of preferred species only, that must be present for the standards unit to be considered SR or FG.

*Business/edit rules:*

- Must be greater than zero if present.
- Must be a valid integer.
- Must be less than or equal to STOCK MINIMUM.

**MINIMUM HORIZONTAL (m):** The minimum allowable horizontal distance between trees of the preferred and acceptable species required for the trees to be considered well-spaced. Enter the minimum horizontal distance to one decimal place.

*Business/edit rules:*

- Must be greater than zero, if present.

For selection system (uneven-aged stands)

- minimum intertree distance for layer 1 is zero.
- minimum intertree distance for layer 2, 3, 4, as specified on the SP.

**BASAL AREA (m<sup>2</sup>/ha):** Enter for single tree selection silvicultural system and if prescribed for intermediate cuttings and even-aged partially cutting. Enter the prescribed residual basal area (m<sup>2</sup>/ha).

*Business/edit rules:*

- Record sum of Layer 1 prescribed basal area and enter it in the Layer 1 basal area field (all trees with d.b.h.  $\geq$  12.5cm).
- Layer 2, 3, 4 basal area are blank.
- Must be greater than zero if present.
- Must be a valid integer.

**PREFERRED SPECIES:** Preferred species are ecologically suited to the site. Management activities are primarily aimed at establishing these species, whose characteristics are consistent with the site objectives. See Appendix D for species code list.

*Business/edit rules:*

- Must be a valid species code if entered.
- Up to 6 species can be entered.

**ACCEPTABLE SPECIES:** Acceptable species are ecologically suited to the site. Management activities are aimed at establishing these species. See Appendix D for species code list.

*Business/edit rules:*

- Must be a valid species code if entered.
- Up to 6 species can be entered.

**MAXIMUM CONIFER (stems/ha):** The maximum number of countable coniferous trees allowed per hectare in a free growing stand.

*Business/edit rules:*

- Must be greater than zero.
- Must be a valid integer.

For selection system (uneven-aged stands)

- Maximum density applies only to layer 3.

**REGENERATION DATE (yrs):** The number of years, after the commencement date, by which the area must be regenerated.

*Business/edit rules:*

- Zero is valid.
- Must be a valid integer.
- Must be less than LATE FREE GROWING.

**EARLY FREE GROWING (yrs):** The earliest number of years after the commencement date which the area may be free growing.

*Business/edit rules:*

- Zero is valid.
- Must be a valid integer.
- Must be less than LATE FREE GROWING

**LATE FREE GROWING (yrs):** The latest number of years after the commencement date which the area must be free growing.

*Business/edit rules:*

- Zero is valid.
- Must be a valid integer.
- Must be greater than EARLY FREE GROWING

**HEIGHT RELATIVE TO COMPETITION:** Tree size measured in centimetres above or percent of competition at free growing.

*Business/edit rules:*

- Cannot leave blank.
- Must be either % or cm.

**RESERVE TYPE:** The type of reserve timber associated with a SU or long-term reserves that are not a part of the SU.

---

Reserve Type Code	Definition
O	Other reserves
R	Riparian reserves
U	Trees are retained, as scattered individuals uniformly over the stratum / polygon.
W	Wildlife tree patch reserves
N	No reserves are used

---

*Business/edit rules:*

- Can be blank for No reserve.

**MAXIMUM ALLOWABLE TOTAL DISTURBANCE:** Record the maximum allowable soil disturbance within the SU.

*Business/edit rules:*

- Must be greater than or equal to zero.

***Optional information that is recorded and tracked if it is submitted to the ministry***

Submission of the following information, related to the prescription, is optional.

**REGENERATION METHOD:** The code describing the method to be used for restocking the area. Enter the method of regeneration for the SU.

*Business/edit rules:*

- Can be blank.
- But if entered, must be a valid code.

---

Regeneration Code	Description
PLANT	Planted
NATUR	Natural
SEED	Seeded

---

**DAMAGE AGENT CODE:** The damage agent or injury code. See codelist in appendix D.

*Business/edit rules:*

- Must be a valid code for damage agents.
- Must be entered if corresponding percentage is entered.

**DAMAGE AGENT %:** The percentage occurrence (percentage of stems per hectare within the stratum) of the damage agent.

*Business/edit rules:*

- Must be a valid integer between 0 and 100.
- Must be > 0 if a corresponding damage agent code is entered.

**ELEVATION:** Enter the average elevation in metres for the SU.

*Business/edit rules:*

- Number must be between 0 and 3000 metres.

### **SP General Business Rules and Guidance**

- Where a licensee is not using the provincial SP template or MLSEDT, the district manager may request that the licensee submit their SP data on a Form A.
- For Selection Silvicultural System on the SP:
  - The following fields must be the same for each layer:  
*SU, BGC zone, subzone, site series), reserve type, average elevation, maximum allowable total disturbance.*
  - *The following field is for layer 4 only*  
Height relative to competition.

### ***Standards of accuracy for changes in cutblock size requiring a SP amendment***

A memo file no:18830-01 March 24, 1997 attached in Appendix C which provides provincial guidelines for SP amendments related to cutblock size changes as a result the use of different survey methodologies (e.g., close traverse versus GPS).

Provincial guideline for maximum error allowed before a SP amendment is required are as follows:

- - for blocks ≤ 20ha error is +/- 0.5ha
- - for blocks >20ha error is +/- 1%



## FS 708 Form B

### Section A. Disturbance

**TIMBERMARK/CUTBLOCK:** Enter the timbermark and cutblock ID exactly as it appears on the original approved SP.

If the SP has more than one tenure, use the timbermark/cutblock combination for the primary licence, and include the information for the entire opening, not just the primary licence obligation area.

*Business/edit rules:*

- Must be entered. This is used as a key identifier for the record.

**DISTURBANCE CODE:** Enter a valid disturbance code. See Appendix D for valid codes.

*Business/edit rules:*

- For multiple disturbances on the same area, complete a separate line for each disturbance. For example, enter separate lines for a salvaged windthrow.

**SILVICULTURAL SYSTEM, VARIANT AND CUTPHASE:** Enter the appropriate description for the silvicultural system within the cutblock.

Coding begins with the Silvicultural System followed by variant and cut phase. Silvicultural system identifies the primary category of silvicultural system used and is either even-aged or uneven-aged. Variant further describes the spatial layout of attributes of the system. The cut phase describes the harvest entry or timing of the cut within the prescription.

Refer to Appendix D for valid code combinations.

*Business/edit rules:*

- When recording a natural disturbance, complete only the appropriate disturbance type code (e.g., 'B' for wildfire) and leave the silvicultural system code combinations blank.
- Silvicultural system code combinations must be entered for logged (L), Rehabilitation (R) and Salvage (S).
- If more than one silvicultural system is used, complete a separate line for each silvicultural system.

**RESERVE TYPE:** If trees are left for one or more rotations and for reasons other than regeneration purposes, they are classified as reserves. Record the type of reserve that has been left on the cutblock using the following codes:

*Business/edit rules:*

- Use code 'N' when no reserves are left on the cutblock.

**HARVEST START DATE:** Enter when the specific disturbance activity started for the associated activity occurring on the cutblock.

**Note:** You can report the same activity more than once for a cutblock/opening as long as start and completion dates do not overlap.

*Business/edit rules:*

- Must be a valid date and valid format (0000/01 ≥ 9999/12 or 0000-01 ≥ 9999-12).  
Note: MLSEDT accepts date to the day (e.g., 0000-01-01, 0000/01/01).
- Cannot be greater than today's date.

**Note:** There is no longer a requirement to submit a Form ‘B’ for partially harvested cutblocks (e.g., areas with harvest start date but no harvest end date). However, the requirement remains to submit a harvest start date along with the harvest completion date on the Form ‘B’ once all harvesting is completed on the gross cutblock area.

**HARVEST END DATE:** Harvesting is considered complete after the completion of falling and yarding and the movement of machinery off the block. Any other activity or further requirement under the cutting authority is classified as post-harvesting and a waste assessment is conducted.

Enter the date when the disturbance activity has completed.

*Business/edit rules:*

- Must be a valid date and valid format (0000/01 ≥ 9999/12 or 0000-01 ≥ 9999-12).
- Harvest End date must be after Harvest Start Date.
- Cannot be greater than today’s date.

**GROSS AREA (equivalent to TAUP):** Gross area or the total area under the prescription is the area inside the marked boundary of the cutblock. It includes:

- all productive areas (standards unit),
- reserve patches of timber or immature trees,
- natural non-productive area (rock, swamp, brush, alpine forest),
- created non-productive area (planned and existing roads, landings and gravel pits); and
- individual areas of non-commercial brush.

*Business/edit rules:*

- When a road is located on a perimeter of a block and the adjacent area is either harvested or expected to be harvested, then only one-half of the area of the road should be included in the gross area/TAUP calculation.
- Where harvesting the adjacent area is not anticipated, include the entire road area in the gross area/TUAP calculation.
- If the road is authorized under a cutting permit or timber sale licence, it should be included as a part of the gross area/TAUP.
- If the road is constructed under a road permit, then the area of the road should be excluded from the gross area/TAUP.
- When a reserve is located on a perimeter of a block, its area is included in the gross area/TAUP.
- When a natural, non-productive area is located on the perimeter of a block it is not included in the gross area/TAUP.
- Must be greater than zero.

**OPENING NUMBER:** This number links the silviculture prescription to the shape and location of the area on a forest cover map. District staff assigns the cutblock an opening number unless licensee’s have been given a pre-determined sequence of numbers.

The boundary of the cutblock represented by the silviculture prescription must match the boundary of the opening number on the map.

For Form B hardcopy submissions, this field is OPTIONAL.

Opening number is a concatenated field of: mapsheet\_grid + mapsheet\_letter + mapsheet\_square + mapsheet\_quad + mapsheet\_sub\_quad + opening\_number. For example, 93G 100 0.0 1001

**Note:** Opening number is entered once via the SP information capture and is not required by MLSEDT Form B submissions

## Section B – Silviculture

Silviculture treatments are reportable under section 28 of *the Silviculture Practices Regulation* (SPR). Silviculture treatments means treatments

- (a) carried out to create the post harvest stand structure or site conditions specified in a silviculture prescription,
- (b) referred to in SPR section 13 (maximum density spacing) or 20 (pruning of western white pine), or
- (c) under a stand management prescription.

**TIMBERMARK/CUTBLOCK:** Enter the timbermark and cutblock exactly as it appears on the approved SP.

*Business/edit rules:*

- Must be entered. This is used as a key identifier for the record.

**BASE:** Identifies a primary category of silviculture treatment or activity. Enter the Base code for the silviculture treatment or activity being performed.

Refer to Appendix D for valid code and base/technique/method and base/objective code combinations.

*Business/edit rules:*

- Must be entered with acceptable base/technique/method and base/objective code combination.

**TECHNIQUE:** Identifies a general technique for accomplishing silvicultural work and may be a descriptor of the base activity. Enter the Technique code for the silviculture activity being performed. Refer to Appendix D for valid codes and code combinations.

*Business/edit rules:*

- Must be entered with appropriate base/technique/method combination.

**METHOD:** Identifies a specific method for accomplishing silvicultural work and is a subdivision of technique. Methods describe a physical process for accomplishing work. Enter the Method code for the silviculture activity being performed. Refer to [Appendix D](#) for valid codes and code combinations.

*Business/edit rules:*

- Must be entered with appropriate base/technique/method combination.

**Note:** Creation of new codes may be required for any new activities.

**OBJECTIVES:** Objectives are the reasons for doing a silviculture treatment or activity. Objectives are tied to a base activity. Up to three objectives per activity are allowed. Refer to [Appendix D](#) for valid codes and code combination.

*Business/edit rules:*

Must be entered with appropriate base/objective code combination otherwise submission is invalid.

**FUNDING SOURCE:** The funding source for the silvicultural treatment or activity. There are three possible codes for licensee submissions:

Funding Code	Description	Details
IA	Industry Appraisal	Applicable for block logged post-October 1, 1987
IIV	Industry Incremental Voluntary	Applicable for any licensee responsible blocks which are free growing (typically TFLs).
RBL	FRBC Licensee-administered	Applicable only to: <ul style="list-style-type: none"> <li>– pre-1987 Industry Outstanding (Backlog) blocks</li> <li>– post-1987 Stand enhancement (Incremental silviculture) activities such as spacing, fertilization or pruning.</li> </ul>

**COMPLETION DATE:** The year and month that the silviculture treatment or activity was completed.

*Business/edit rules:*

- Must be a valid date and valid format (0000/01 ≥ 9999/12 or 0000-01 ≥ 9999-12).
- Cannot be greater than today’s date.

**NET AREA TREATED:** The total net area treated (the total hectares actually receiving the treatment).

*Business/edit rules:*

- Must be greater than zero.
- This area cannot exceed the total cutblock/opening area.

**RESPONSIBILITY:** A code to indicate if the opening is a Ministry of Forests or Licensee responsibility (with respect to responsibilities for silviculture obligations).

Code	Description
M	Ministry
L	Licensee

*Business/edit rules:*

- Basic silviculture activities funded under IA or IIV should be coded as “L”.
- Basic silviculture activities funded under RBC (FRBC) should be coded as “M”.

**OPENING:** This number links the silviculture prescription to the shape and location of the area on a forest cover map. District staff assigns the cutblock an opening number unless licensee’s have been given a pre-determined sequence of numbers.

The boundary of the cutblock represented by the silviculture prescription must match the boundary of the opening number on the map.

For Form B hardcopy submissions, this field is OPTIONAL.

Opening number is a concatenated field of: mapsheet\_grid + mapsheet\_letter + mapsheet\_square + mapsheet\_quad + mapsheet\_sub\_quad + opening\_number. For example, 93G 100 0.0 1001.

**Note:** Opening number is entered once via the SP information capture and is not required by MLSEDT Form B submissions.

**SEEDLOT/VEGETATIVE LOT:** The unique number assigned to a quantity of seed of a particular species and quality from a given location collected at a given time. A seedlot or vegetative cutting lot is required with any planted seedlings.

A seedlot is unique 5-digit code that represents a quantity of seed of the same species with the same genetic characteristics.

A vegetative cutting lot is a unique 5-digit code that represents cuttings for a particular species with the same genetic class and suitability factors.

Enter the seedlot or vegetative cutting lot number for the tree species planted.

*Business/edit rules:*

- Must be entered when Base = PL (Planting).
- The number must be a registered seedlot or vegetative lot in Seed Planning and Registry (SPAR) system.

**SPECIES:** Enter the species of the seedling or cutting planted. See [Appendix D](#) for tree species codes.

*Business/edit rules:*

- Must be entered when Base = PL (Planting), or if seedlot or vegetative is entered.
- The species must be a valid species registered for the entered seedlot or vegetative lot SPAR
- If using paper Form B, use more than one line if required to record all species and/or seedlots.

**NUMBER PLANTED:** Enter the total seedlings or cuttings planted for each species type.

*Business/edit rules:*

- Must be entered when Base = PL (Planting), or if seedlot or vegetative is entered.

## Section C – Administration

**SUBMITTED BY:** The person completing the form should fill out their name, telephone number and date in this section.

## Other Business Rules and General Guidance

### *Catastrophic event on areas already declared regeneration achieved*

If a stand destroying event (e.g., fire) has run through an area where regeneration has already been achieved, Section 39 of the *Operational Planning Regulation* requires an amendment to the SP which will likely extend the regeneration and free growing dates. Enter the description of the event and the cutblock/opening (e.g., fire) via Form B and also submit a Form C and map showing the affected area.

## FS 708C – Form C

The following section describes all fields on the FS 708C (00/06) and any associated edit or business rules. All codes used for completing the FS 708C are located in [Appendix D](#) for your reference. Codes are routinely updated, therefore refer to [http://www.for.gov.bc.ca/isb/isis/user\\_guide/append\\_c/a\\_c\\_00.htm](http://www.for.gov.bc.ca/isb/isis/user_guide/append_c/a_c_00.htm) for the list of currently acceptable codes.

Completed sample forms are included in Appendix B for even-aged and uneven-aged stands scenarios. These are for illustrative purposes only.

Section 70 (4)(d) and (e) the *Forest Practices of British Columbia Act* established the requirement for meeting regeneration and free growing stocking requirements specified under the silviculture prescription. Sections 23 to 26 of the *Silviculture Practices Regulation* details the survey requirements at regeneration and free growing. Section 28 of the SPR requires the submission of Form C.

### Overall Rules governing Form C submission

1. Form C is submitted at the following times:
  - after an *entire* cutblock/opening is completely harvested;
  - after the completion of a regeneration survey carried out before the regeneration date specified in the silviculture prescription; and
  - after the completion of a free growing a survey, completed within the free growing assessment period.
2. Generally, whenever a form C is submitted the sum of the strata areas entered must equal the gross area or TAUP harvested as entered on Form ‘B’ for the same cutblock/opening. Exceptions are multi phase harvesting where the denudation Form B does not cover the entire opening.
3. The silviculture component should be entered only when the inventory and silviculture labels are significantly different.  
E.g., greater than 20% change in leading species or density.
4. Licensees will only submit legally required reports.

Other reference for completing this section:

- *Silviculture Surveys Guidebook*  
<http://www.for.gov.bc.ca/tasb/legsregs/fpc/fpcguide/silSurv/silSutoc.htm>

### Section A – Tenure Identification

**TIMBERMARK / CUTBLOCK:** Use the same timber mark/cutblock identifier submitted on the SP for the opening/cutblock.

*Business/edit rules:*

- Must be entered. This is used as a key identifier for the record.

**OPENING NUMBER:** Optional field. Enter if the district has assigned it.

### Section B – Forest Cover Information

**POLYGON/STRATA:** Unique forest cover polygon/strata identifier used by major licensee. Stratum or polygon designation must be present. Strata can be either an alpha or a numeric value corresponding to the area on the map.

Before licensees can assign polygon numbers, there must be an agreement between the district and the licensee on how this will be accomplished.

*Business/edit rules:*

- No duplicates permitted unless LAYER number 1,2,3, or 4 is entered is.
- Enter either 1 to 9, or A to Z.

**LAYER:** A code that uniquely identifies each layer, in a stand. Each layer is normally characterized as a distinct canopy containing a common forest cover structure with stems of similar ages and heights. Enter the kind of layer or component.

*Business/edit rules:*

- Cannot mix even-aged and uneven-aged layer numbers within the stratum (e.g., 1S and S).
- Inventory layer describes all the recognized tree species on site based on survey results.
- Silviculture layer describes the preferred and acceptable well-spaced trees on site based on survey results.
- Blank is a valid value.
- For Even-aged stands:
  - An inventory layer is described, and if significantly different, a silviculture layer is described.
  - You cannot have a silviculture layer without a corresponding inventory layer.
- For Veteran Layer:
  - A veteran layer can only be added to even-aged stands
  - For a Veteran Layer to be recognized, the veterans must have a crown closure of between one and five percent, be 40 years older than the main stand, be 10m taller than the main stand, be evenly distributed and have a potential for seed trees or for commercial value.
  - A veteran is not always an old tree: for example, a 20 year old stand could have 70 year old veterans.
  - The veteran layer will be used to describe uniform reserves that meet the criteria set out above.
- For Uneven-aged (multi-layered) stands:
  - The combination of rank and layer are used to provide a forest cover description and produce an updated map label.
  - There is to be no “lumping”, combining, or averaging of layers.
  - The NSR description will only apply where the entire stratum is NSR and not a particular layer.
  - All stocked strata can have a combination of IMM or MAT layers depending on the age of the layer.
  - You cannot have a silviculture layer without a corresponding inventory layer.
  - If there are no well-spaced trees in a layer, enter ‘0’ well spaced in the inventory label.
  - When ‘0’ is entered in the well-spaced field in the inventory label, a corresponding silviculture label is not required.

**RANK:** Ranking the crop indicates the next harvestable crop (e.g., the trees you will be taking out in the next entry). Two rankings are used for layered stands:

- Rank 1 – next harvestable crop
- Rank 2 – subsequent crop after Rank 1

*Business/edit rules:*

- Rank 1 **must** be present for uneven-aged stands. At least one inventory layer must be Rank 1.
- For even-aged stands, inventory label will be defaulted to Rank = 1 during uploaded process into ISIS.
- Rank must be blank for all silviculture label and silviculture layers (e.g., S, 1S, 2S, 3S, 4S).
- No duplicate ranks are allowed.
- Rank 2 cannot exist without a layer identified as Rank 1.

**AREA (ha):** Area must be present. Enter the total area occupied by each stratum.

*Business/edit rules:*

- Must be a real number greater than 0.
- The sum of all strata within a cutblock/opening **must not** exceed the gross area of the cutblock/opening.
- The area must be equal for each layer within the same strata (e.g., 1, 2, 3, 4).

**STOCKING STATUS:** A valid Stocking Status code must be entered for each stratum. See matrix for valid stocking status/stocking type combinations in [Appendix D](#).

*Business/edit rules:*

- For Even-aged Stands:
  - When Stocking Status is NSR, Stocking Type **must** be entered; all other fields (e.g., Species, Well Spaced) are optional.
- For Uneven-aged Stands:
  - Stocking Status must be AF, IMM, MAT, NC or NSR for uneven-aged stands.
  - If Stocking Status of any layer is NSR, then all Layers must be classified as NSR.
  - Regardless of stocking status (NSR, IMM, or MAT) a label must accompany each layer.
- For Reserves:
  - Reserves can be identified as either MAT/NAT or IMM/NAT when the Reserve Code is anything other than “N” or blank - No Reserves. Forest cover edits will be relaxed to require minimum information of stratum/polygon, area, stocking status/type, and reference year. However, a complete description is desirable.

CAN EXIST				CANNOT EXIST			
Example 1		Example 2		Example 3		Example 4	
Layer	Status	Layer	Status	Layer	Status	Layer	Status
1	MAT	1	NSR	1	IMM	1	NSR
2	IMM	2	NSR	2	NSR	2	MAT
3	IMM	3	NSR	3	IMM	3	IMM
4	IMM	4	NSR	4	IMM	4	IMM



**STOCKING TYPE:** A valid Stocking Type code for the Stocking Status **must** be entered.

See [Appendix D](#) for code.

**SPECIES:** A tree species found on the polygon. See [Appendix D](#) for tree species code list.

*Business/edit rules:*

- At least one Species must be entered when Stocking Status is IMM, MAT or RES. The exception to this rule would be MAT used to describe long-term reserves which is not required to have species label if not provided.
- For inventory label, enter the code describing the leading commercial species - the species with the highest percent composition (e.g., gross volume or in very young stands the relative number of stems per hectare).
- For silviculture label, enter the code describing the preferred or acceptable well-spaced species.
- Maximum of five species per label or layer allowed.
- Duplicate species not allowed on the same label or layer.
- If species is present, then height and age information is required.
- Species may also be entered to describe brush species in cases where Stocking Status is NCBR.

**SPECIES %:** Describes the tree species present and provides an estimate of the percentage of each species within the stratum.

*Business/edit rules:*

- Species % **must** be greater than 0 **when** species are present.
- If only 1 species, species % must be 100 but not more.
- Sum of all species % on any line must be 100.
- Must be >0 when Stocking Status is IMM, MAT, or RES. The exception to this rule would be MAT, or IMM/NAT used to describe reserves which does not require species % if not provided.
- Data entry for inventory label summarized by 10 percents. Whenever there are more than five species in the inventory label, distribute the percentages associated with the truncated species, prorata amongst the highest ranking five species.

Example Inventory Label

Actual        Fd<sub>30</sub> Sx<sub>20</sub> Lw<sub>10</sub> Cw<sub>10</sub> Bl<sub>10</sub> Hw<sub>10</sub> At<sub>10</sub>  
truncate      Hw<sub>10</sub>At<sub>10</sub>  
prorate 20%  Fd<sub>40</sub> Sx<sub>30</sub> Lw<sub>10</sub> Cw<sub>10</sub> Bl<sub>10</sub>

- Data entry for silviculture label summarized by percent. Whenever there are more than five species, prorata amongst the highest ranking five preferred or acceptable species.

Example Silviculture Label

Actual        Fd<sub>30</sub> Sx<sub>27</sub> Lw<sub>10</sub> Cw<sub>10</sub> Bl<sub>8</sub> Hw<sub>6</sub> At<sub>4</sub> Pl<sub>3</sub> Pw<sub>2</sub>  
truncate      Hw<sub>6</sub>At<sub>4</sub> Pl<sub>3</sub> Pw<sub>2</sub>  
prorate 15%  Fd<sub>35</sub> Sx<sub>31</sub> Lw<sub>12</sub> Cw<sub>12</sub> Bl<sub>9</sub>

**AVERAGE AGE:** Age of leading species for inventory label or age of preferred or acceptable leading well-spaced species for silviculture label. Enter the age to the nearest year.

*Business/edit rules:*

- Must be a valid integer.
- Mandatory (must be >0) when Stocking status is IMM, MAT, RES except where reserve type is O, R,U or W.
- If NSR, and tree species is entered, average is required.
- For the inventory label, enter the average age of the leading species (co-dominant and dominant trees).
- For silviculture component enter the average age of all well spaced trees.
- Do not include the age of the planted stock in inventory or silviculture label.
- A plantation is considered one year old from year of planting. Where planting occurs in same year as harvesting, enter '1'.
- If the stratum has been fill-planted, enter the age of the existing stratum (first planting).

**AGE PLANTED:** Age of stock planted in years.

*Business/edit rules:*

- Optional, can only be 1,2,3, or 4 and entered only when species are entered.

**HEIGHT:** Total height of tree in metres for leading species. Enter the height in metres to the nearest tenth of a metre.

*Business/edit rules:*

- HEIGHT **must** be present **when** Stocking Status is IMM,MAT or, RES except where reserves type is O, R,U or W.
- If NSR and Tree species entered, then height must be entered.
- For the silviculture label, enter the average height for the acceptable well-spaced trees, all species.
- For inventory label, enter the average height of for the dominant and co-dominant trees of the leading species.
- For un-evenaged stands the layer 4 height must be less than 1.3m.

**CROWN CLOSURE:** The percentage of ground area covered by vertically projected tree crown areas.

*Business/edit rules:*

- Must be less than 100.
- Optional for Silviculture label.
- Crown Closure for silviculture label refers to well-spaced trees only.

**REFERENCE YEAR:** Year survey was done. REFERENCE YEAR **must** be entered describing when the inventory or silviculture label was derived.

*Business/edit rules:*

- Must be a valid integer between 00 and 99.  
**Note:** For MLSEDT format is 0001 and 9999.
- Must be equal for all layers within a stratum.

**SITE INDEX EST:** The average height in metres of the leading species of the forest cover label at 50 years after the stand achieves breast height (1.3 m). This is a measure of the productivity of forest land. Site index should be submitted for both regeneration and free growing survey period.

*Business/edit rules:*

- For Even-aged Stands, the site index for the inventory component must be entered. Entering a site index on silviculture component is optional.
- For Uneven-aged Stands, enter the site index for the rank '1' layer only. Entering a site index for the corresponding silviculture component is optional.
- Site index must be present for MAT, IMM, NSR, and RES stocking status when species is entered.

**SITE INDEX SOURCE CODE:** A code describing the source, or origin, of the estimated site index. See [Appendix D](#) for code list.

*Business/edit rules:*

- After May 31, 2001, SITE INDEX SOURCE CODE must be filled when SITE INDEX is completed.

**DENSITY STEMS/HA:** Stem density (Stems/ha) for all species. Enter the total stems per hectare.

*Business/edit rules:*

- Density Stems/ha **must** be present when Stocking Status is IMM or RES except for IMM where reserve type is O, R, U or W.
- This field must be blank for a silviculture layer.
- When timber is harvested from a reserve, stocking requirements must be specified in the silviculture prescription. The stocking requirements may specify maximum, target or minimum density levels. Density Stems/ha is optional when no retention density levels are specified in the prescription.

**WELL SPACED STEMS / HA:** Stem density for silviculture layer. Well-spaced trees must be healthy, of a preferred or acceptable species and well-spaced using the minimum inter tree distance in the silviculture prescription. Enter the well-spaced stems per hectare.

*Business/edit rules:*

- Well-spaced/ha **must** be present when Stocking Status is IMM except IMM/NAT where reserve type is O, R, U or W and when harvesting is an intermediate cut.
- Mandatory if species present and S layer.
- When timber is harvested from a reserve, stocking requirements must be specified in the silviculture prescription. The stocking requirements may specify target and minimum Well-Spaced Stems/Ha. Well-Spaced Stems/Ha is optional when no Well-Spaced Stems/Ha are specified in the prescription.

**FREE GROWING STEMS / HA:** Free growing stem density for the silviculture layer. Free growing trees must be healthy, of a preferred or acceptable species, well-spaced, free from inhibiting brush, and meet or exceed the required minimum height ( if applicable). Enter the number of free growing stems per hectare for the stand.

*Business/edit rules:*

- Free Growing Stems/ha must be present and greater than or equal to the minimum stocking standard if standards unit or cutblock is declared free growing.

- When timber is harvested from a reserve, stocking requirements must be specified in the silviculture prescription. The stocking requirements may specify target and minimum Free Growing Stems/Ha. Free Growing Stems/ha is optional when no Well-Spaced Stems/Ha are specified in the prescription.

**RESERVE TYPE:** Enter the type of reserves associated with the stratum based using applicable reserve code descriptors. See [Appendix D](#) for code list.

**TOTAL BASAL AREA:** For inventory label, this field refers to all total stems  $\geq 12.5$  cm dbh. For silviculture label, this field refers to basal area for well-spaced preferred and acceptable stems  $\geq 12.5$  cm dbh.

*Business/edit rules:*

- Not required for even-aged stands except if prescribed as an even-aged partial cut or intermediate cut.
- Record sum of Layer 1 basal area (all trees with d.b.h.  $\geq 12.5$ cm).
- Optional for Layer 1 silviculture label.
- Layer 2, 3, 4 basal area are blank.
- Must be greater than zero if present.
- Must be a valid integer

**DAMAGE AGENT CODE:** Damage agent code must be present when Forest Health Agents are present in the stratum and have  $\geq 1\%$  incidence. Enter the current forest health agent or injury identification code of the three most prevalent agents.

*Business/edit rules:*

- Must be valid code.
- Duplicates not allowed within the same stratum/layer combination.
- Must be present if damage agent % is greater than 0.

**DAMAGE AGENT %:**

**FOREST HEALTH AGENT %:** Host species incidence **must** be present **when** a Forest Health Agent Code is present. Enter the amount of damage associated with the Forest Health Agent to the nearest percent.

*Business/edit rules:*

- Must be valid integer between 0 and 100.
- A maximum of 2 damage agents may be entered per stratum/layer combination.
- Percentage is based on total host incidence.

## General Business Rules and Guidance

### *Reporting requirements for Silviculture Prescription exempt ML blocks*

Reports are not required for silviculture prescription exempt blocks since there are no associated regeneration objectives. Exempt areas are generally too small to map and to warrant forest management activities. These areas will usually regenerate naturally.

### *Reporting requirements for intermediate cuttings without regeneration objectives*

Areas designated for intermediate cutting (e.g., commercial thinning) must have an approved SP that contains the stocking requirements described in section 39 of the *Operational Planning Regulations*. There are no regeneration objectives associated with these intermediate cuts, and therefore, section 26 of the *Silviculture Practices Regulations* must be met.

### **Form B and C requirements when harvesting and planting are completed within one submission period within the same opening/cutblock**

When the completion of harvesting and planting occur within the same submission period, the Form B must contain a summary of the harvesting and planting activities. The licensee will also submit a Form C describing the planted area and any outstanding NSR areas. However, no Form C submission representing the post-harvesting NSR portion is required if the planted area is considered stocked.

### **SUs with different regeneration dates**

A cutblock may have more than one SU, and these SUs could have different regeneration dates. For example, SU 1 has a year 4 regeneration date and SU 2 year 7. In this case, a Form C must be submitted by year 4, the expiry of the first regeneration date. At this time, SU2 may still be NSR and described as such. Once SU2 is regenerated, the results of a second survey are submitted on a Form C. SU1 need not be resurveyed, (assuming it was SR by year 4) and the information from the previous submission would be repeated on the second Form C.

Alternatively, SU2 may also be satisfactorily regenerated by year 4 and both SUs have, therefore, met the stocking requirements. In this case only a single Form C submission is required.

Do not submit information for the surveyed SU only, the entire gross cutblock area (i.e., the TUAP) must be described.

This methodology is applicable to free growing submissions as well.

### **Recommendations on data management for reserves on Form 'C'**

Reserves are defined as forested patches or individual trees retained during harvesting, or other forestry operations, to provide habitat, scenic, biodiversity and other values. These areas or trees are usually retained for one or more rotations.

Reserves that do not have harvest entries can be mapped and reported, but there are no silviculture responsibilities associated with these areas. Reserves greater than 0.25 hectares must be mapped for the silviculture prescription.

Reserves with modifications (for example tree removal to address safety or other management objectives) become part of the NAR and are, therefore, described as a, or part of a, standards unit. Reserve areas within an SU may or may not have regeneration objectives but are subject to legislated survey and reporting requirements.

Licensees completing Form C should use the following recommendations for the tracking reserves:

#### **For reserves 0.1ha or greater with no harvesting activities (not part of NAR):**

Each patch can be tracked as a stratum with the following information:

- Stratum identifier (for each long-term reserve area)
- Stratum area
- Stocking Status/Type (typically MAT/NAT, or IMM/NAT)
- Reserve type code (O, R, U, or W)

- Reference year

Optional information\* is:

- Species and %
- Height
- Age
- Density
- Crown closure
- Basal Area

\* can be obtained from previous inventory label based on “best-fit” with the pre-existing inventory polygon. All these fields are optional.

Maps: map reserves 1ha or greater.

**For reserves with harvest entries (part of NAR):**

There may be standards associated with the harvested area record reserve area, species composition (species by percent), height of leading species (metres), site index and density, and age. Record the basal area and crown closure if this information is available.

***Non productive data requirements***

Stratum, area, stocking status, stock type, and reference year must be completed for non-productive areas. All other data fields are optional.

## Appendix A – FS 708 Form ‘B’ and ‘C’ – blank forms

Blank copies of Forms B and C can also be viewed or downloaded from the following websites:

- <http://www.for.gov.bc.ca/isb/forms/lib/FS708B.PDF>
- <http://www.for.gov.bc.ca/isb/forms/lib/FS708C.PDF>

# MAJOR LICENCE SILVICULTURE INFORMATION SYSTEM

## ACTIVITY REPORTING — FORM 'B'

### SECTION 28

**A. DISTURBANCE**

OBLIGATION		DIST.	SILVICULTURAL SYSTEM	VARIANT	CUT PHASE	RES. TYPE	HARVEST DATES				GROSS AREA (ha) (TAUP)	OPENING NO.
							STARTED		COMPLETED			
							YEAR	MONTH	YEAR	MONTH		
TIMBER MARK	BLOCK											

**B. SILVICULTURE**

OBLIGATION		ACTIVITY			OBJECTIVES			FUNDING SOURCE	COMPLETION DATE				NET AREA TREATED (ha)	RESP.	OPENING NO.
									Y	Y	Y	Y			
TIMBER MARK	BLOCK	BASE	TECH.	METHOD	1	2	3								
SEEDLOT/ VEGETATIVE LOT	SPECIES	NUMBER PLANTED	SEEDLOT/ VEGETATIVE LOT	SPECIES	NUMBER PLANTED	SEEDLOT/ VEGETATIVE LOT	SPECIES	NUMBER PLANTED	SEEDLOT/ VEGETATIVE LOT	SPECIES	NUMBER PLANTED				
TIMBER MARK	BLOCK	BASE	TECH.	METHOD	1	2	3								
SEEDLOT/ VEGETATIVE LOT	SPECIES	NUMBER PLANTED	SEEDLOT/ VEGETATIVE LOT	SPECIES	NUMBER PLANTED	SEEDLOT/ VEGETATIVE LOT	SPECIES	NUMBER PLANTED	SEEDLOT/ VEGETATIVE LOT	SPECIES	NUMBER PLANTED				
TIMBER MARK	BLOCK	BASE	TECH.	METHOD	1	2	3								
SEEDLOT/ VEGETATIVE LOT	SPECIES	NUMBER PLANTED	SEEDLOT/ VEGETATIVE LOT	SPECIES	NUMBER PLANTED	SEEDLOT/ VEGETATIVE LOT	SPECIES	NUMBER PLANTED	SEEDLOT/ VEGETATIVE LOT	SPECIES	NUMBER PLANTED				
TIMBER MARK	BLOCK	BASE	TECH.	METHOD	1	2	3								
SEEDLOT/ VEGETATIVE LOT	SPECIES	NUMBER PLANTED	SEEDLOT/ VEGETATIVE LOT	SPECIES	NUMBER PLANTED	SEEDLOT/ VEGETATIVE LOT	SPECIES	NUMBER PLANTED	SEEDLOT/ VEGETATIVE LOT	SPECIES	NUMBER PLANTED				
TIMBER MARK	BLOCK	BASE	TECH.	METHOD	1	2	3								
SEEDLOT/ VEGETATIVE LOT	SPECIES	NUMBER PLANTED	SEEDLOT/ VEGETATIVE LOT	SPECIES	NUMBER PLANTED	SEEDLOT/ VEGETATIVE LOT	SPECIES	NUMBER PLANTED	SEEDLOT/ VEGETATIVE LOT	SPECIES	NUMBER PLANTED				

**C. ADMINISTRATION**

SUBMITTED BY	TELEPHONE NO.	DATE		
		YYYY	MM	DD





## **Appendix B – FS 708 Form ‘B’ and ‘C’ – completed examples**

# MAJOR LICENCE SILVICULTURE INFORMATION SYSTEM

## ACTIVITY REPORTING — FORM 'B'

### SECTION 28

**A.**

DISTURBANCE																
OBLIGATION		DIST.	SILVICULTURAL SYSTEM		VARIANT	CUT PHASE	RES. TYPE	HARVEST DATES				GROSS AREA (ha) (TAUP)	OPENING NO.			
TIMBER MARK	BLOCK		STARTED					COMPLETED								
			YEAR	MONTH				YEAR	MONTH							
391204	1149L		CCRES		REMOVG		1998	12	1999	09	25.5	92K01100	559			
391205	5017L		CLEAR		REMOVN		1998	09	1999	09	39.8	92L05000	520			
391206	1070L		SHELTR	GRP	REMOYU		1999	09	1999	10	1.9	92L01000	550			
391207	1171L		CCRES		REMOVG		1998	07	1999	10	30.5	92K01100	565			
39141E	PH625L		CLEAR		REMOY		1998	09	1999	07	10.0	92K06400	538			

**B.**

SILVICULTURE															
OBLIGATION		ACTIVITY			OBJECTIVES			FUNDING SOURCE	COMPLETION DATE			NET AREA TREATED (ha)	RES.	OPENING NO.	
TIMBER MARK	BLOCK	BASE	TECH.	METHOD	1	2	3		Y	Y	Y			Y	M
39111	1101	SP	ME	DISC	PL	YM		IA	1999	07	49.0	L	92K01100	517	
SEEDLOT/VEGETATIVE LOT	SPECIES	NUMBER PLANTED	SEEDLOT/VEGETATIVE LOT	SPECIES	NUMBER PLANTED	SEEDLOT/VEGETATIVE LOT	SPECIES	NUMBER PLANTED	SEEDLOT/VEGETATIVE LOT	SPECIES	NUMBER PLANTED	SEEDLOT/VEGETATIVE LOT	SPECIES	NUMBER PLANTED	
39141	89	BR	MA	BRUSH	VM	CGE		IA	1999	10	68.7	L	92K06500	502	
SEEDLOT/VEGETATIVE LOT	SPECIES	NUMBER PLANTED	SEEDLOT/VEGETATIVE LOT	SPECIES	NUMBER PLANTED	SEEDLOT/VEGETATIVE LOT	SPECIES	NUMBER PLANTED	SEEDLOT/VEGETATIVE LOT	SPECIES	NUMBER PLANTED	SEEDLOT/VEGETATIVE LOT	SPECIES	NUMBER PLANTED	
391202	4060	PL	PL	CTAIN	CE			IA	1999	08	5.3	L	92L04000	544	
SEEDLOT/VEGETATIVE LOT	SPECIES	NUMBER PLANTED	SEEDLOT/VEGETATIVE LOT	SPECIES	NUMBER PLANTED	SEEDLOT/VEGETATIVE LOT	SPECIES	NUMBER PLANTED	SEEDLOT/VEGETATIVE LOT	SPECIES	NUMBER PLANTED	SEEDLOT/VEGETATIVE LOT	SPECIES	NUMBER PLANTED	
09971	HW	2900	3015	9	BA	3065									
39141	65	BR	CA	HELII	VM			IA	1999	09	25.0	1	92K06400	502	
SEEDLOT/VEGETATIVE LOT	SPECIES	NUMBER PLANTED	SEEDLOT/VEGETATIVE LOT	SPECIES	NUMBER PLANTED	SEEDLOT/VEGETATIVE LOT	SPECIES	NUMBER PLANTED	SEEDLOT/VEGETATIVE LOT	SPECIES	NUMBER PLANTED	SEEDLOT/VEGETATIVE LOT	SPECIES	NUMBER PLANTED	

**C. ADMINISTRATION**

SUBMITTED BY	TELEPHONE NO.	DATE			
Tim Burr T.B. Forestry Co. Ltd.	250-123-1234	YYYY	MM	DD	
		20	00	04	15



## Appendix C –Recent Memos

### Memo 1



Ministry of  
Forests

Forest Practices Branch

MEMORANDUM

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File: 18830-01

March 24, 1997

To: All Regional Managers

From: Henry Benskin, R.P.F.  
Director  
Forest Practices Branch

Jim Langridge, R.P.F.  
Director  
Resource Tenures and Engineering Branch

### Re: Standards of Accuracy

The issue of numerous prescription amendments resulting from small changes to block size is becoming a problem. This memo is a discussion of the issue and potential actions. Please comment on the proposed actions.

Blocks are being traversed several times with the answer often a little different. This problem is more pronounced due to the accuracy of GPS versus close traverse. Some regions are processing significant numbers of SP amendments from licensees. Others are avoiding these amendments by following district policy on when to do amendments. An issue is that ISIS gives an error message for any area change. A standard is also necessary for auditing purposes.

#### Proposed Actions:

1. Headquarters to determine if a regulation amendment is necessary or if provincial or regional guidelines will be sufficient.
2. Develop a provincial policy or guidelines which gives maximum standard of error allowed. This could be as suggested by Nelson Region i.e.:
  - for blocks  $\leq 20$  ha error is + or - 0.5 ha
  - for blocks  $> 20$  ha error is + or -1%

ISIS would use these standards. An error message would be given if these standards are exceeded. Let us know if the numbers listed here are appropriate as a provincial standard.



3. Each region (or if desired, each district) develop policy which gives the standards that will be followed for determining, if an amendment is necessary due to changing area measurement. These standards can be the same or tighter than the provincial ones. Standards would not have to be inserted into a prescription. It would be appropriate for regions or districts to give guidance on the degree of accuracy that is appropriate for recording the area measurement eg.
- nearest hectare (eg. 10 ha) (used by Prince Rupert)
  - nearest half hectare (eg. 10.5 ha)
  - nearest tenth of a hectare (eg. 10.4 ha)

Let us know if this proposal is appropriate. Comments should be sent to Nancy Densmore at Forest Practices Branch (356-5390 Email ndensmor) or Charlie Western at Resource Tenures and Engineering Branch (387-8306)06 Email ctwester) by April 11, 1997.

*original signed*

Henry Benskin, R.P.F.  
Director  
Forest Practices Branch

*original signed*

Jim Langridge, R.P.F.  
Director  
Resource Tenures and Engineering Branch

cc: Shelley Sullivan, Business Design Branch  
Charlie Western, Compliance and Enforcement Branch  
Nancy Densmore, Forest Practices Branch

## Memo 2



Ministry of  
Forests

Forest Practices Branch

MEMORANDUM

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File: 135-00/SPR

September 5, 2000

To: All Regional and District Managers

From: Ralph Archibald  
Director  
Forest Practices Branch

**Re: Changes to the Silviculture Practices Regulation July 2000**

### Introduction

The *Silviculture Practices Regulation* was revised in July 2000. Section 28 has some significant revisions which include changes to the reporting dates, the allowance for full electronic data transfer, the clarification of reporting silviculture treatments and the requirement for a signed and sealed free growing declaration. Section 28 of the *SPR* is attached to this document for reference.

Other changes to the regulation include correction of numerical errors and elimination of overlap with the *Timber Harvesting Practices Regulation*.

### Changes to the reporting dates

The holder of a major licence who is required to establish a free growing stand on an area under a silviculture prescription must now report accomplishments on the form 708B and 708C before May 31<sup>st</sup>. For the most current version of the form B or C see the following web addresses:

<http://www.for.gov.bc.ca/isb/forms/lib/FS708B.PDF>

<http://www.for.gov.bc.ca/isb/forms/lib/FS708C.PDF>

The date for reporting this year was July 31 (no change from previous regulation) in order to allow transition to the regulation changes. The annual reporting date in future years will be May 31 to allow enough time for MOF annual report compilation. Licensees must report all silviculture activities completed prior to March 31<sup>st</sup> before May 31<sup>st</sup> each year.

The annual reporting date is a final deadline. Licensees should submit accomplishments throughout the year as projects are completed and workload permits. It is expected that the bulk of the silviculture data will be submitted late fall or early winter after the completion of reports. By May 31<sup>st</sup> all silviculture activities completed before March 31<sup>st</sup> must be submitted. In some areas of the province there may be a small amount of winter silviculture work that must be reported after completion and prior to May 31<sup>st</sup>. The regulation permits submissions of results anytime prior to the



deadline and as often as desired. Submission after the completion of a project is likely the most efficient approach and can be encouraged through local agreements between Licensees and districts.

Reporting dates have not changed for the reporting of harvesting.

#### Electronic Data Transfer (EDT)

The Ministry of Forests is encouraging EDT for the submission of silviculture accomplishments on Form B and forest cover data on Form C. Previous regulation requirements for a signature and seal meant that when a Form C was submitted electronically it had to be followed by a hard copy. The Form C no longer needs to be signed and sealed. Electronic submissions do not need duplicate hard copy submissions. For more information on electronic data transfer, see the following web addresses:

<http://www.for.gov.bc.ca/isb/isis/mlsedt/index.htm>

<http://www.for.gov.bc.ca/isb/isis/updates/MLSISEDt.htm>

A formal free growing declaration is now required and initiates the free growing declaration and acceptance process. See the free growing declaration section below.

#### **Reporting treatments and surveys**

The previous regulation referred to silviculture activities. The word activities has been changed to treatments in order to clarify that surveys do not have to be reported on the form B. Silviculture treatments must be reported on the Form B by the applicable date in the regulation. Survey data must be reported on the form C after regeneration or free growing surveys in accordance with the regulation. Maps must be submitted with the Form C data and may be submitted electronically, in accordance with local agreements, where approved by the applicable district.

#### **Free Growing Declaration**

After a stand is surveyed and found to be free growing, the area must be declared free growing before the Ministry of Forests is obliged to review the stand for acceptance. The free growing declaration must be signed and sealed by a professional forester. It is in the best interest of the Licensee to declare areas free growing as soon as possible after free growing is achieved.

The regulation does not prevent or limit the Ministry of Forests from inspecting areas anytime prior to or after free growing declarations. See the Code Bulletin titled “Free Growing Declaration and Acceptance” for more information (this bulletin is currently being reviewed and will be available this fall).

#### **Other Changes**

Section 20 (2) - The word minimum is added to clarify when pruning may be necessary in order to achieve a free growing stand.

Section 21 (2) (b) (ii) (B) - The limit for chlorophyll in a stream was corrected to 50 milligrams/m<sup>3</sup>.

Section 28 (2) - This section changed to clarify that reporting under the regulation is required for work being carried out under a Stand Management Prescriptions as a requirement of a timber tenure agreement.

Section 28 (4) – Chief Forester may specify form and content of reports under the sections named.

Section 31 (1) – This section changed to eliminate overlap with the *Timber Harvesting Practices Regulation*.

For questions on the changes to the *Silviculture Practices Regulation* contact Brian Raymer ([brian.raymer@gems7.gov.bc.ca](mailto:brian.raymer@gems7.gov.bc.ca)) Forest Practices Branch.



Ralph Archibald  
Director  
Forest Practices Branch

Enclosure(s)

pc:   A. Randall, Cariboo Region  
      B. Fraser, Nelson Region  
      S. Taylor, Prince George Region  
      N. Endacott, Prince Rupert Region  
      H. Reveley, Vancouver Region

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• THE GOVERNMENT OF BRITISH COLUMBIA IS AN "EMPLOYMENT EQUITY EMPLOYER" •

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## Appendix D – Codelists

### Previous Stand Type Code

Previous Stand Type Code	Description
A	Alpine
AF	Alpine Forest
C	Cultivated
G	Gravel
IMM	Immature
L	Lake
M	Meadow
MAT	Mature
NC	Non-commercial
NF	Non-forest
NP	Non-productive
NSR	Not satisfactorily restocked
OR	Open Range
R	Rock
S	Swamp
U	Urban

### Age Class Code

Age Class Code	Description
1	1–20 Years
2	21–40 Years
3	41–60 Years
4	61–80 Years
5	81–100 Years
6	101–120 Years
7	121–140 Years
8	141–250 Years
9	>251 Years

### Height Class Code

Height Class Code	Description
1	0 – 10.4m
2	10.5 – 19.4m
3	19.5 – 28.4m
4	28.5 – 37.4m
5	37.5 – 46.4m
6	46.5 – 55.4m
7	55.5 – 64.4m
8	>65.5m

### Stocking Class Code

Stocking Class Code	Applies To	Limit (no. of trees/ha, d.b.h. limits)
0	All Immature	N/A
1	All mature	$\geq 76$ sph/ha, 27.5cm+d.b.h.
2	All mature	$< 76$ sph/ha, 27.5cm+d.b.h.
Subdivision Of 2	3 Mature with leading species PI	$> 311$ sph/ha, 17.5cm d.b.h. and $> 50\%$ of stems 7.5cm+d.b.h. are $\geq 12.5$ cm d.b.h.
	4	$< 311$ sph/ha, 17.5cm d.b.h. or $\geq 311$ sph/ha, 17.5cm d.b.h. and $< 50\%$ of stems 7.5cm+d.b.h. are $\geq 12.5$ cm d.b.h.
R	Immature; Mature	stands disturbed 26-75% by area or volume

### Stocking Type Code:

Stocking Type Code	All deciduous species including PL and PA	All coniferous species except PA and PL
Immature	1-80 yrs	1-120 yrs
Mature	$\geq 81$ yrs	$\geq 121$ yrs

### Responsibility Code:

Responsibility Code	Description
M	Ministry
L	Licensee

**Regeneration Code:**

Regeneration Code	Description
PLANT	Planted
NATUR	Natural
SEED	Seeded

**Disturbance Code:**

DISTURBANCE CODE	DESCRIPTION
B	Burnt Wildfire
F	Flood
I	Slide
L	Logged
P	Pest
R	Rehabilitation
S	Salvage
W	Windthrow

**Reserve Type Code:**

Reserve Type Code	Definition
O	Other reserves
R	Riparian reserves
U	Trees are retained, as scattered individuals uniformly over the opening
W	Wildlife tree patch reserves
N	No reserves are used

**Silvicultural System, Variant, Cut Phase Code Combinations**

SILV SYSTEM CODE	SILV VARIANT CODE	SILV CUT PHASE CODE	DESCRIPTION
CCRES		REMOV	Clearcut with reserves/Removal Cut
CCRES		SALVF	Clearcut with reserves/Salvage-Fire
CCRES		SALVO	Clearcut with reserves/Salvage-Other
CCRES		SALVP	Clearcut with reserves/Salvage-Pest
CCRES		SALVW	Clearcut with reserves/Salvage-Wind
CLEAR		REMOV	Clearcut/Removal Cut
CLEAR		SALVF	Clearcut/Salvage-Fire
CLEAR		SALVO	Clearcut/Salvage-Other

SILV SYSTEM CODE	SILV VARIANT CODE	SILV CUT PHASE CODE	DESCRIPTION
CLEAR		SALVP	Clearcut/Salvage-Pest
CLEAR		SALVW	Clearcut/Salvage-Wind
COPPI		REMOV	Coppice/Removal
COPPI		SALVF	Coppice/Salvage-Fire
COPPI		SALVO	Coppice/Salvage-Other
COPPI		SALVP	Coppice/Salvage-Pest
COPPI		SALVW	Coppice/Salvage-Wind
IMCUT		REMOV	Intermediate Cut/Removal
IMCUT		SALVF	Intermediate Cut/Salvage-Fire
IMCUT		SALVO	Intermediate Cut/Salvage-Other
IMCUT		SALVP	Intermediate Cut/Salvage-Pest
IMCUT		SALVW	Intermediate Cut/Salvage-Wind
IMCUT	CTN	REMOV	Intermediate Cut/Commercial Thin/Removal
IMCUT	CTN	SALVF	Intermediate Cut/Commercial Thin/Salvage-Fire
IMCUT	CTN	SALVO	Intermediate Cut/Commercial Thin/Salvage-Other
IMCUT	CTN	SALVP	Intermediate Cut/Commercial Thin/Salvage-Pest
IMCUT	CTN	SALVW	Intermediate Cut/Commercial Thin/Salvage-Wind
IMCUT	POL	REMOV	Intermediate Cut/Pole/Removal Cut
IMCUT	POL	SALVF	Intermediate Cut/Pole/Salvage-Fire
IMCUT	POL	SALVO	Intermediate Cut/Pole/Salvage-Other
IMCUT	POL	SALVP	Intermediate Cut/Pole/Salvage-Pest
IMCUT	POL	SALVW	Intermediate Cut/Pole/Salvage-Wind
PATCH		REMOV	Patch/Removal Cut
PATCH		SALVF	Patch/Salvage-Fire
PATCH		SALVO	Patch/Salvage-Other
PATCH		SALVP	Patch/Salvage-Pest
PATCH		SALVW	Patch/Salvage-Wind
RETEN		REMOV	Retention/ Removal Cut
RETEN		SALVF	Retention/ Salvage-Fire
RETEN		SALVO	Retention/ Salvage-Other
RETEN		SALVP	Retention/ Salvage-Pest
RETEN		SALVW	Retention/ Salvage-Wind
SEEDT	GRP	ESTAB	Seed Tree/Group/Establishment Cut
SEEDT	GRP	PREPC	Seed Tree/Group/Preparatory Cut
SEEDT	GRP	REMOV	Seed Tree/Group/Removal
SEEDT	GRP	SALVF	Seed Tree/Group/Salvage-Fire
SEEDT	GRP	SALVO	Seed Tree/Group/Salvage-Other

SILV SYSTEM CODE	SILV VARIANT CODE	SILV CUT PHASE CODE	DESCRIPTION
SEEDT	GRP	SALVP	Seed Tree/Group/Salvage-Pest
SEEDT	GRP	SALVW	Seed Tree/Group/Salvage-Wind
SEEDT	UNI	ESTAB	Seed Tree/Uniform/Establishment Cut
SEEDT	UNI	PREPC	Seed Tree/Uniform/Preparatory Cut
SEEDT	UNI	REMOV	Seed Tree/Uniform/Removal Cut
SEEDT	UNI	SALVF	Seed Tree/Uniform/Salvage-Fire
SEEDT	UNI	SALVO	Seed Tree/Uniform/Salvage-Other
SEEDT	UNI	SALVP	Seed Tree/Uniform/Salvage-Pest
SEEDT	UNI	SALVW	Seed Tree/Uniform/Salvage-Wind
SELEC	GRP	REMOV	Selection/Group/Removal Cut
SELEC	GRP	SALVF	Selection/Group/Salvage-Fire
SELEC	GRP	SALVO	Selection/Group/Salvage-Other
SELEC	GRP	SALVP	Selection/Group/Salvage-Pest
SELEC	GRP	SALVW	Selection/Group/Salvage-Wind
SELEC	SIN	RECRU	Selection/Single/Recruitment
SELEC	SIN	SALVF	Selection/Single/Salvage-Fire
SELEC	SIN	SALVO	Selection/Single/Salvage-Other
SELEC	SIN	SALVP	Selection/Single/Salvage-Pest
SELEC	SIN	SALVW	Selection/Single/Salvage-Wind
SHELT	GRP	ESTAB	Shelterwood/Group/Establishment Cut
SHELT	GRP	PREPC	Shelterwood/Group/Preparatory Cut
SHELT	GRP	REMOV	Shelterwood/Group/Removal Cut
SHELT	GRP	SALVF	Shelterwood/Group/Salvage-Fire
SHELT	GRP	SALVO	Shelterwood/Group/Salvage-Other
SHELT	GRP	SALVP	Shelterwood/Group/Salvage-Pest
SHELT	GRP	SALVW	Shelterwood/Group/Salvage-Wind
SHELT	IRR	ESTAB	Shelterwood/Irregular/Establishment Cut
SHELT	IRR	PREPC	Shelterwood/ Irregular /Preparatory Cut
SHELT	IRR	REMOV	Shelterwood/ Irregular /Removal Cut
SHELT	IRR	SALVF	Shelterwood/ Irregular /Salvage-Fire
SHELT	IRR	SALVO	Shelterwood/ Irregular /Salvage-Other
SHELT	IRR	SALVP	Shelterwood/ Irregular /Salvage-Pest
SHELT	IRR	SALVW	Shelterwood/ Irregular /Salvage-Wind
SHELT	NAT	ESTAB	Shelterwood/Natural/Establishment Cut
SHELT	NAT	PREPC	Shelterwood/ Natural /Preparatory Cut
SHELT	NAT	REMOV	Shelterwood/ Natural /Removal Cut
SHELT	NAT	SALVF	Shelterwood/ Natural /Salvage-Fire
SHELT	NAT	SALVO	Shelterwood/ Natural /Salvage-Other

SILV SYSTEM CODE	SILV VARIANT CODE	SILV CUT PHASE CODE	DESCRIPTION
SHELT	NAT	SALVP	Shelterwood/ Natural /Salvage-Pest
SHELT	NAT	SALVW	Shelterwood/ Natural /Salvage-Wind
SHELT	NUR	ESTAB	Shelterwood/Nurse/Establishment Cut
SHELT	NUR	PREPC	Shelterwood/ Nurse /Preparatory Cut
SHELT	NUR	REMOV	Shelterwood/ Nurse /Removal Cut
SHELT	NUR	SALVF	Shelterwood/ Nurse /Salvage-Fire
SHELT	NUR	SALVO	Shelterwood/ Nurse /Salvage-Other
SHELT	NUR	SALVP	Shelterwood/ Nurse /Salvage-Pest
SHELT	NUR	SALVW	Shelterwood/ Nurse /Salvage-Wind
SHELT	STR	ESTAB	Shelterwood/Strip/Establishment Cut
SHELT	STR	PREPC	Shelterwood/ Strip /Preparatory Cut
SHELT	STR	REMOV	Shelterwood/ Strip /Removal Cut
SHELT	STR	SALVF	Shelterwood/ Strip /Salvage-Fire
SHELT	STR	SALVO	Shelterwood/ Strip /Salvage-Other
SHELT	STR	SALVP	Shelterwood/ Strip /Salvage-Pest
SHELT	STR	SALVW	Shelterwood/ Strip /Salvage-Wind
SHELT	UNI	ESTAB	Shelterwood/Uniform/Establishment Cut
SHELT	UNI	PREPC	Shelterwood/ Uniform /Preparatory Cut
SHELT	UNI	REMOV	Shelterwood/ Uniform /Removal Cut
SHELT	UNI	SALVF	Shelterwood/ Uniform /Salvage-Fire
SHELT	UNI	SALVO	Shelterwood/ Uniform /Salvage-Other
SHELT	UNI	SALVP	Shelterwood/ Uniform /Salvage-Pest
SHELT	UNI	SALVW	Shelterwood/ Uniform /Salvage-Wind

### Funding Source Code

Funding Code	Description	Details
IA	Industry Appraisal	Applicable for block logged post-October 1, 1987
IIV	Industry Incremental Voluntary	Applicable for any licensee responsible blocks which is free growing (typically TFLs).
RBL	FRBC Licensee-administered	Applicable only to : – pre-1987 Industry Outstanding (Backlog) blocks – post-1987 Stand enhancement (Incremental silviculture) activities such as spacing, fertilization or pruning.

### Silviculture Base Code

BASE CODE	DESCRIPTION
BR	Brushing
CC	Cone Collection
DS	Direct Seeding
EP	Experimental Plots
FE	Fertilization
JS	Juvenile Spacing
PL	Planting
PR	Pruning
RC	Recreation
RD	Roads
SP	Site Preparation
SU	Surveys



### Base/Technique/Method Code Combinations for Brushing

BASE	TECHNIQUE	METHOD	DESCRIPTION
BR			Brushing
BR	BI		Brushing/Biological
BR	BI	COVER	Brushing/Biological/Cover Crop
BR	BI	GRAZE	Brushing/Biological/Grazing
BR	BI	ISECT	Brushing/Biological/Insect
BR	BI	LAYOT	Brushing/Biological/Layout
BR	BI	MICRO	Brushing/Biological/Microorganism
BR	BU		Brushing/Burn
BR	BU	BROAD	Brushing/Burn/Broadcast Burn
BR	BU	LAYOT	Brushing/Burn/Layout
BR	BU	SPOT	Brushing/Burn/Spot Treatment
BR	CA		Brushing/Chemical Air
BR	CA	FIXED	Brushing/Chemical Air/Fixed Wing
BR	CA	HELI	Brushing/Chemical Air/Helicopter
BR	CA	LAYOT	Brushing/Chemical Air/Layout
BR	CG		Brushing/Chemical Ground
BR	CG	BASL	Brushing/Chemical Ground/Basal Spray
BR	CG	BPACK	Brushing/Chemical Ground/Back Pack Applicator
BR	CG	FRILL	Brushing/Chemical Ground/Notch or Frill
BR	CG	GRANU	Brushing/Chemical Ground/Granular Application
BR	CG	LAYOT	Brushing/Chemical Ground/Layout
BR	CG	SBARK	Brushing/Chemical Ground/Stem Bark Spray
BR	CG	SCONE	Brushing/Chemical Ground/Spot Cone
BR	CG	SINJE	Brushing/Chemical Ground/Stem Injection
BR	CG	SPGUN	Brushing/Chemical Ground/Spot Gun Applicator
BR	CG	STUMP	Brushing/Chemical Ground/Stump Treatment
BR	CG	VMSFB	Brushing/Chemical Ground/Vehicle Mount S
BR	CG	VMSGH	Brushing/Chemical Ground/Vehicle Mount S
BR	CG	WIPNG	Brushing/Chemical Ground/Wiping Applicator
BR	GS		Brushing/Grass Seeding
BR	GS	BLOCK	Brushing/Grass Seeding/Clearcut Block
BR	MA		Brushing/Manual
BR	MA	BRUSH	Brushing/Manual/Brush Saw
BR	MA	HANDR	Brushing/Manual/Hand Pulling (Removal)
BR	MA	LAYOT	Brushing/Manual/Layout
BR	MA	LCLIP	Brushing/Manual/Leader Clipping
BR	MA	MANCT	Brushing/Manual/Manual Cutting
BR	MA	MANGI	Brushing/Manual/Manual Girdling
BR	MA	MANSB	Brushing/Manual/Manual Stem Bending
BR	MA	MULCH	Brushing/Manual/Mulching
BR	MA	POWER	Brushing/Manual/Power Saw
BR	MA	STAKE	Brushing/Manual/Staking
BR	ME		Brushing/Mechanical
BR	ME	BLADE	Brushing/Mechanical/Blading

BASE	TECHNIQUE	METHOD	DESCRIPTION
BR	ME	CHAIN	Brushing/Mechanical/Chain Drag
BR	ME	CHOP	Brushing/Mechanical/Chopping
BR	ME	EXCAV	Brushing/Mechanical/Excavator
BR	ME	HYDRO	Brushing/Mechanical/Hydro-Axe
BR	ME	LAYOT	Brushing/Mechanical/Layout
BR	ME	MOCUT	Brushing/Mechanical/Motorized Cutting
BR	ME	MOGIR	Brushing/Mechanical/Motorized Girdling
BR	ME	SEPI	Brushing/Mechanical/SEPI
BR	ME	SPYDR	Brushing/Mechanical/Spyder

### Base/Technique/Method Code Combinations for Cone Collection

BASE	TECHNIQUE	METHOD	DESCRIPTION
CC			Cone Collection
CC	AE		Cone Collection / Aerial
CC	AE	HELI	Cone Collection / Aerial / Helicopter
CC	MA		Cone Collection / Manual
CC	MA	CLIMB	Cone Collection / Manual / Climbing
CC	MA	FCOLL	Cone Collection / Manual / Fall and Collect
CC	ME		Cone Collection / Mechanical
CC	ME	FCOLL	Cone Collection / Mechanical / Fall and Collect

### Base/Technique/Method Code Combinations for Direct Seeding

BASE	TECHNIQUE	METHOD	DESCRIPTION
DS			Direct Seeding
DS	AE		Direct Seeding / Aerial
DS	AE	FIXED	Direct Seeding / Aerial / Fixed Wing
DS	AE	HELI	Direct Seeding / Aerial / Helicopter
DS	GS		Direct Seeding / Grass Seeding
DS	GS	RANGE	Direct Seeding / Grass Seeding / Open Range
DS	MA		Direct Seeding / Manual
DS	MA	SPOTS	Direct Seeding / Manual / Spot Seeding (Hand
DS	ME		Direct Seeding / Mechanical
DS	ME	CSEED	Direct Seeding / Mechanical / Cyclone Seeder
DS	ME	FUROW	Direct Seeding / Mechanical / Furrow Seeder
DS	ME	SNOW	Direct Seeding / Mechanical / Snow Mobile
DS	ME	VMSLI	Direct Seeding / Mechanical / Vehicle Mounted
DS	NA		Direct Seeding / Natural
DS	NA	CONE	Direct Seeding / Natural / Cone
DS	NA	SHELT	Direct Seeding / Natural / Shelterwood Seed

### Base/Technique/Method Code Combinations for Fertilization

BASE	TECHNIQUE	METHOD	DESCRIPTION
FE	CA		Fertilization/Chemical Air
FE	CA	FIXED	Fertilization/Chemical Air/Fixed Wing
FE	CA	HELI	Fertilization/Chemical Air/Helicopter
FE	CG		Fertilization/Chemical Ground
FE	CG	BAGS	Fertilization/Chemical Ground/Gro-max Bags
FE	CG	BPACK	Fertilization/Chemical Ground/Back Pack
FE	CG	GRANU	Fertilization/Chemical Ground/Granular A
FE	CG	TABLT	Fertilization/Chemical Ground/Fertilizer
FE	CG	VMSGH	Fertilization/Chemical Ground/Vehicle Mounted
FE	OG		Fertilization/Organic Ground (e.g. sewage)
FE	OG	VEHIC	Fertilization/Organic Ground (e.g. sewage sludge)

### Base/Technique/Method Code Combinations for Juvenile Spacing

BASE	TECHNIQUE	METHOD	DESCRIPTION
JS	CG		Juvenile Spacing/Chemical Ground
JS	CG	LAYOT	Juvenile Spacing/Chemical Ground/Layout
JS	CG	SINJE	Juvenile Spacing/Chemical Ground/Stem In
JS	MA		Juvenile Spacing/Manual
JS	MA	BRUSH	Juvenile Spacing/Manual/Brush Saw
JS	MA	HANDR	Juvenile Spacing/Manual/Hand Pulling (Removal)
JS	MA	LAYOT	Juvenile Spacing/Manual/Layout
JS	MA	MANCT	Juvenile Spacing/Manual/Manual Cutting
JS	MA	MANGI	Juvenile Spacing/Manual/Manual Girdling
JS	MA	POWER	Juvenile Spacing/Manual/Power Saw
JS	ME		Juvenile Spacing/Mechanical
JS	ME	EXCAV	Juvenile Spacing/Mechanical/Excavator
JS	ME	HYDRO	Juvenile Spacing/Mechanical/Hydro-Axe
JS	ME	LAYOT	Juvenile Spacing/Mechanical/Layout
JS	ME	MDOWN	Juvenile Spacing/Mechanical/Machine Knockdown
JS	ME	POPUP	Juvenile Spacing/Mechanical/Popup
JS	ME	SPYDR	Juvenile Spacing/Mechanical/Spyder

**Base/Technique/Method Code Combinations for Pest Control**

BASE	TECHNIQUE	METHOD	DESCRIPTION
PC			Pest Control
PC	BI		Pest Control/Biological
PC	BI	DIVFO	Pest Control/Biological/Diversionary Food
PC	BI	ISECT	Pest Control/Biological/Insect
PC	BI	PREDA	Pest Control/Biological/Predator Enhance
PC	BU		Pest Control/Burn
PC	BU	FBURN	Pest Control/Burn/Fall And Burn
PC	BU	UNDER	Pest Control/Burn/Understory Burn
PC	CA		Pest Control/Chemical Air
PC	CA	FIXED	Pest Control/Chemical Air/Fixed Wing
PC	CA	HELI	Pest Control/Chemical Air/Helicopter
PC	CG		Pest Control/Chemical Ground
PC	CG	BPACK	Pest Control/Chemical Ground/Back Pack A
PC	CG	LETHL	Pest Control/Chemical Ground/Lethal Trap
PC	CG	STUMP	Pest Control/Chemical Ground/Stump Treat
PC	CG	VMSGH	Pest Control/Chemical Ground/Vehicle Mounted
PC	MA		Pest Control/Manual
PC	MA	BRUSH	Pest Control/Manual/Brush Saw
PC	MA	DBARK	Pest Control/Manual/Debarking
PC	MA	HANDR	Pest Control/Manual/Hand Pulling (Removal)
PC	MA	HANDS	Pest Control/Manual/Hand Saw
PC	MA	LAYOT	Pest Control/Manual/Layout
PC	MA	MAINT	Pest Control/Manual/Maintenance
PC	MA	MANCT	Pest Control/Manual/Manual Cutting
PC	MA	POLE	Pest Control/Manual/Extension Pole
PC	MA	POWER	Pest Control/Manual/Power Saw
PC	MA	SHEAR	Pest Control/Manual/Pruning Shears
PC	SE		Pest Control/Seedling Protection
PC	SE	CAGES	Pest Control/Seedling Protection/Cages
PC	SE	FENCE	Pest Control/Seedling Protection/Fencing
PC	SE	MAINT	Pest Control/Seedling Protection/Maintenance
PC	SE	REPEL	Pest Control/Seedling Protection/Repellent
PC	SE	TUBEX	Pest Control/Seedling Protection/Tubex Tubing
PC	SE	VEXAR	Pest Control/Seedling Protection/Vexar Tubing
PC	SE	VOCOL	Pest Control/Seedling Protection/Vole Collar
PC	TP		Pest Control/Trapping
PC	TP	FUNNE	Pest Control/Trapping/Funnel Trapping
PC	TP	PHERO	Pest Control/Trapping/Pheromone Baiting

### Base/Technique/Method Code Combinations for Planting

BASE	TECHNIQUE	METHOD	DESCRIPTION
PL	CG		Planting/Chemical Ground
PL	CG	BAGS	Planting/Chemical Ground/Gro-max Bags
PL	FP		Planting/Fill Planting
PL	FP	BROOT	Planting/Fill Planting/Bareroot
PL	FP	COPPR	Planting/Fill Planting/Copper Treated Plugs
PL	FP	CTAIN	Planting/Fill Planting/Container
PL	FP	LAYOT	Planting/Fill Planting/Layout
PL	FP	MXPLT	Planting/Fill Planting/Mixed Stock
PL	FP	RBROO	Planting/Fill Planting/Resistant Bareroot
PL	FP	RCOOP	Planting/Fill Planting/Resistant Copper
PL	FP	RCTAI	Planting/Fill Planting/Resistant Contain
PL	FP	TRANS	Planting/Fill Planting/Transplanted stock
PL	FP	WHIPS	Planting/Fill Planting/Whips
PL	PL		Planting/Planting
PL	PL	AUGER	Planting/Planting/Auger
PL	PL	BROOT	Planting/Planting/Bareroot
PL	PL	COPPR	Planting/Planting/Copper Treated Plugs
PL	PL	CTAIN	Planting/Planting/Container
PL	PL	LAYOT	Planting/Planting/Layout
PL	PL	MACH	Planting/Planting/Machine
PL	PL	MXPLT	Planting/Planting/Mixed Stock
PL	PL	RBROO	Planting/Planting/Resistant Bareroot
PL	PL	RCOOP	Planting/Planting/Resistant Copper treated
PL	PL	RCTAI	Planting/Planting/Resistant Container
PL	PL	COPPR	Planting/Planting/Copper Treated Plugs
PL	PL	CTAIN	Planting/Planting/Container
PL	PL	LAYOT	Planting/Planting/Layout
PL	PL	MACH	Planting/Planting/Machine
PL	PL	MXPLT	Planting/Planting/Mixed Stock
PL	PL	RBROO	Planting/Planting/Resistant Bareroot
PL	PL	RCOOP	Planting/Planting/Resistant Copper treat
PL	PL	RCTAI	Planting/Planting/Resistant Container
PL	PL	TRANS	Planting/Planting/Transplanted stock
PL	PL	WHIPS	Planting/Planting/Whips
PL	RO		Planting/Roadside
PL	RO	BROOT	Planting/Roadside/Bareroot
PL	RO	COPPR	Planting/Roadside/Copper Treated Plugs
PL	RO	CTAIN	Planting/Roadside/Container
PL	RO	MXPLT	Planting/Roadside/Mixed Stock
PL	RO	RBROO	Planting/Roadside/Resistant Bareroot
PL	RO	RCOOP	Planting/Roadside/Resistant Copper treat
PL	RO	RCTAI	Planting/Roadside/Resistant Container
PL	RO	TRANS	Planting/Roadside/Transplanted stock

BASE	TECHNIQUE	METHOD	DESCRIPTION
PL	RO	WHIPS	Planting/Roadside/Whips
PL	RP		Planting/Re-Planting
PL	RP	BROOT	Planting/Re-Planting/Bareroot
PL	RP	COPPR	Planting/Re-Planting/Copper Treated Plug
PL	RP	CTAIN	Planting/Re-Planting/Container
PL	RP	LAYOT	Planting/Re-Planting/Layout
PL	RP	MXPLT	Planting/Re-Planting/Mixed Stock
PL	RP	RBROO	Planting/Re-Planting/Resistant Bareroot
PL	RP	RCOOP	Planting/Re-Planting/Resistant Copper treated
PL	RP	RCTAI	Planting/Re-Planting/Resistant Container
PL	RP	TRANS	Planting/Re-Planting/Transplanted stock
PL	RP	WHIPS	Planting/Re-Planting/Whips
PL	RR		Planting/Road Rehab
PL	RR	BROOT	Planting/Road Rehab/Bareroot
PL	RR	COPPR	Planting/Road Rehab/Copper Treated Plugs
PL	RR	CTAIN	Planting/Road Rehab/Container
PL	RR	MXPLT	Planting/Road Rehab/Mixed Stock
PL	RR	RBROO	Planting/Road Rehab/Resistant Bareroot
PL	RR	RCOOP	Planting/Road Rehab/Resistant Copper treated
PL	RR	RCTAI	Planting/Road Rehab/Resistant Container
PL	RR	TRANS	Planting/Road Rehab/Transplanted stock
PL	RR	WHIPS	Planting/Road Rehab/Whips
PL	SE		Planting/Seedling Protection
PL	SE	BRMAT	Planting/Seedling Protection/Brush Mats
PL	SE	CAGES	Planting/Seedling Protection/Cages
PL	SE	FENCE	Planting/Seedling Protection/Fencing
PL	SE	REPEL	Planting/Seedling Protection/Repellent
PL	SE	STAKE	Planting/Seedling Protection/Staking
PL	SE	TUBEX	Planting/Seedling Protection/Tubex Tubing
PL	SE	VEXAR	Planting/Seedling Protection/Vexar Tubing
PL	SE	VOCOL	Planting/Seedling Protection/Vole Collar
PL	SL		Planting/Slide
PL	SL	BROOT	Planting/Slide/Bareroot
PL	SL	COPPR	Planting/Slide/Copper Treated Plugs
PL	SL	CTAIN	Planting/Slide/Container
PL	SL	MXPLT	Planting/Slide/Mixed Stock
PL	SL	WHIPS	Planting/Slide/Whips

### Base/Technique/Method Code Combinations for Pruning

BASE	TECHNIQUE	METHOD	DESCRIPTION
PR			Pruning
PR	MA		Pruning/Manual
PR	MA	FULL	Pruning/Manual/Full Tree
PR	MA	HANDS	Pruning/Manual/Hand Saw
PR	MA	LAYOT	Pruning/Manual/Layout
PR	MA	POLE	Pruning/Manual/Extension Pole
PR	MA	SHEAR	Pruning/Manual/Pruning Shears
PR	ME		Pruning/Mechanical
PR	ME	LAYOT	Pruning/Mechanical/Layout
PR	ME	MOCUT	Pruning/Mechanical/Motorized Cutting (Ha

### Base/Technique/Method Code Combinations for Recreation

BASE	TECHNIQUE	METHOD	DESCRIPTION
RC	MA		Recreation/Manual
RC	MA	SCON	Recreation/Manual/Site Construction
RC	MA	SMAIN	Recreation/Manual/Site Maintenance
RC	MA	TCON	Recreation/Manual/Trail Construction
RC	MA	TMAIN	Recreation/Manual/Trail Maintenance

**Base/Technique/Method Code Combinations for Roads**

BASE	TECHNIQUE	METHOD	DESCRIPTION
RD	CL		Roads/Road Clearing
RD	CL	DITCH	Roads/Road Clearing/Ditching
RD	CL	GRADE	Roads/Road Clearing/Grading
RD	CL	SNWRM	Roads/Road Clearing/Snow Removal
RD	DE		Roads/Deactivation
RD	DE	BDGRM	Roads/Deactivation/Bridge Removal
RD	DE	BERMS	Roads/Deactivation/Berms
RD	DE	CLVBY	Roads/Deactivation/Culvert Bypass
RD	DE	CLVRM	Roads/Deactivation/Culvert Removal
RD	DE	CROSS	Roads/Deactivation/Cross Ditching
RD	DE	CROWN	Roads/Deactivation/Crowning
RD	DE	FRLTZ	Roads/Deactivation/Fertilizing
RD	DE	GRASS	Roads/Deactivation/Grass Seeding
RD	DE	INSL	Roads/Deactivation/Insloping
RD	DE	LAYOT	Roads/Deactivation/Layout
RD	DE	OUTSL	Roads/Deactivation/Outsloping
RD	DE	RESL	Roads/Deactivation/Resloping
RD	DE	RRIP	Roads/Deactivation/Ripping Road
RD	DE	WBAR	Roads/Deactivation/Water Bars
RD	UP		Roads/Road Upgrading
RD	UP	BDGRP	Roads/Road Upgrading/Bridge Replacement
RD	UP	CLVRP	Roads/Road Upgrading/Culvert Replacement
RD	UP	DITCH	Roads/Road Upgrading/Ditching
RD	UP	GRADE	Roads/Road Upgrading/Grading
RD	UP	GRASS	Roads/Road Upgrading/Grass Seeding
RD	UP	WBAR	Roads/Road Upgrading/Water Bars



**Base/Technique/Method Code Combinations for Site Preparation**

BASE	TECHNIQUE	METHOD	DESCRIPTION
SP			Site Preparation
SP	BI		Site Preparation/Biological
SP	BI	GRAZE	Site Preparation/Biological/Grazing
SP	BI	GRCOW	Site Preparation/Biological/Cattle Grazing
SP	BI	GRSHP	Site Preparation/Biological/Sheep Grazing
SP	BI	LAYOT	Site Preparation/Biological/Layout
SP	BU		Site Preparation/Burn
SP	BU	BROAD	Site Preparation/Burn/Broadcast Burn
SP	BU	LAND	Site Preparation/Burn/Landings
SP	BU	LAYOT	Site Preparation/Burn/Layout
SP	BU	PBURN	Site Preparation/Burn/Pile and Burn
SP	BU	PILE	Site Preparation/Burn/Piling
SP	BU	RPILE	Site Preparation/Burn/Roadside Piles
SP	BU	SPOT	Site Preparation/Burn/Spot Treatment
SP	BU	WFIRE	Site Preparation/Burn/Wildfire
SP	BU	WINDR	Site Preparation/Burn/Windrow
SP	CA		Site Preparation/Chemical Air
SP	CA	FIXED	Site Preparation/Chemical Air/Fixed Wing
SP	CA	HELI	Site Preparation/Chemical Air/Helicopter
SP	CA	LAYOT	Site Preparation/Chemical Air/Layout
SP	CG		Site Preparation/Chemical Ground
SP	CG	BASL	Site Preparation/Chemical Ground/Basal S
SP	CG	BPACK	Site Preparation/Chemical Ground/Back Pa
SP	CG	FRILL	Site Preparation/Chemical Ground/Notch o
SP	CG	LAND	Site Preparation/Chemical Ground/Landing
SP	CG	LAYOT	Site Preparation/Chemical Ground/Layout
SP	CG	SINJE	Site Preparation/Chemical Ground/Stem In
SP	CG	VMSGH	Site Preparation/Chemical Ground/Vehicle
SP	GS		Site Preparation/Grass Seeding
SP	GS	BLOCK	Site Preparation/Grass Seeding/Clearcut
SP	GS	GUARD	Site Preparation/Grass Seeding/Fireguard
SP	GS	HELI	Site Preparation/Grass Seeding/Helicopter
SP	GS	LAND	Site Preparation/Grass Seeding/Landings
SP	GS	RANGE	Site Preparation/Grass Seeding/Open Range
SP	GS	ROADS	Site Preparation/Grass Seeding/Roads and
SP	GS	SKID	Site Preparation/Grass Seeding/Skid Road
SP	GS	SLIDE	Site Preparation/Grass Seeding/Slide
SP	MA		Site Preparation/Manual
SP	MA	GUARD	Site Preparation/Manual/Fireguard
SP	MA	HAND	Site Preparation/Manual/Hand Site Preparation
SP	MA	KNOCK	Site Preparation/Manual/3 Metre Knock Do
SP	MA	LAYOT	Site Preparation/Manual/Layout
SP	MA	POWER	Site Preparation/Manual/Power Saw
SP	MA	RESTU	Site Preparation/Manual/Removing Stump

BASE	TECHNIQUE	METHOD	DESCRIPTION
SP	MA	SNAG	Site Preparation/Manual/Snag Falling
SP	ME		Site Preparation/Mechanical
SP	ME	BRIP	Site Preparation/Mechanical/Block Ripping
SP	ME	CABLE	Site Preparation/Mechanical/Cable Knockdown
SP	ME	CHAIN	Site Preparation/Mechanical/Chain Drag
SP	ME	DISC	Site Preparation/Mechanical/Disc Trenching
SP	ME	DITCH	Site Preparation/Mechanical/Ditching
SP	ME	EXCAV	Site Preparation/Mechanical/Excavator
SP	ME	GUARD	Site Preparation/Mechanical/Fireguard
SP	ME	HARV	Site Preparation/Mechanical/Harvest
SP	ME	HYDRO	Site Preparation/Mechanical/Hydro-Axe
SP	ME	LAYOT	Site Preparation/Mechanical/Layout
SP	ME	LRIP	Site Preparation/Mechanical/Landing Ripping
SP	ME	MDOWN	Site Preparation/Mechanical/Machine Knoc
SP	ME	MOUND	Site Preparation/Mechanical/Mounding
SP	ME	MULCH	Site Preparation/Mechanical/Mulching
SP	ME	PATCH	Site Preparation/Mechanical/Machine Patch
SP	ME	PILE	Site Preparation/Mechanical/Piling
SP	ME	POST	Site Preparation/Mechanical/Blade or Str
SP	ME	PRE	Site Preparation/Mechanical/Blade or Str
SP	ME	PUSH	Site Preparation/Mechanical/Pushover
SP	ME	RESTU	Site Preparation/Mechanical/Removing Stump
SP	ME	RPILE	Site Preparation/Mechanical/Roadside Pile
SP	ME	RRIP	Site Preparation/Mechanical/Ripping Road
SP	ME	SCALP	Site Preparation/Mechanical/Spot Scalping
SP	ME	SHARK	Site Preparation/Mechanical/Shark Fin
SP	ME	SPYDR	Site Preparation/Mechanical/Spyder
SP	ME	TRAIL	Site Preparation/Mechanical/Planting Trail
SP	ME	WINDP	Site Preparation/Mechanical/Windrow Peri
SP	ME	WINDR	Site Preparation/Mechanical/Windrow
SP	ME	WING	Site Preparation/Mechanical/Winged Tooth

**Base/Technique/Method Code Combinations for Surveys**

BASE	TECHNIQUE	METHOD	DESCRIPTION
SU			Surveys
SU	BL		Surveys/Backlog Silviculture Prescription
SU	BR		Surveys/Brushing
SU	BR	PHOTO	Surveys/Brushing/Air Photo Interpretation
SU	BR	PLOT	Surveys/Brushing/Plots
SU	BR	WALK	Surveys/Brushing/Walkthrough
SU	CC		Surveys/Cone Collection
SU	CC	HELI	Surveys/Cone Collection/Helicopter
SU	CC	PHOTO	Surveys/Cone Collection/Air Photo Interpretation
SU	CC	WALK	Surveys/Cone Collection/Walkthrough
SU	CS		Surveys/Cone Survey
SU	CS	PLOT	Surveys/Cone Survey/Plots
SU	CT		Surveys/Commercial Thinning
SU	CT	CRUIS	Surveys/Commercial Thinning/Cruise
SU	CT	HELI	Surveys/Commercial Thinning/Helicopter
SU	CT	LAYOT	Surveys/Commercial Thinning/Layout
SU	CT	PHOTO	Surveys/Commercial Thinning/Air Photo In
SU	CT	PLOT	Surveys/Commercial Thinning/Plots
SU	CT	RECCE	Surveys/Commercial Thinning/Reconnaissance
SU	CT	WALK	Surveys/Commercial Thinning/Walkthrough
SU	CT	70MM	Surveys/Commercial Thinning/70 mm Photo
SU	DD		Surveys/Site Deg/Disturbance
SU	DD	LINE	Surveys/Site Deg/Disturbance/Lines
SU	DD	MEAS	Surveys/Site Deg/Disturbance/Measurement
SU	DD	PLOT	Surveys/Site Deg/Disturbance/Plots
SU	DD	WALK	Surveys/Site Deg/Disturbance/Walkthrough
SU	DR		Surveys/Drainage
SU	DR	FIXED	Surveys/Drainage/Fixed Wing
SU	DR	HELI	Surveys/Drainage/Helicopter
SU	DR	PHOTO	Surveys/Drainage/Air Photo Interpretation
SU	DR	PLOT	Surveys/Drainage/Plots
SU	DR	WALK	Surveys/Drainage/Walkthrough
SU	DR	70MM	Surveys/Drainage/70 mm Photo
SU	FE		Surveys/Fertilization
SU	FE	PHOTO	Surveys/Fertilization/Air Photo Interpretation
SU	FE	PLOT	Surveys/Fertilization/Plots
SU	FE	WALK	Surveys/Fertilization/Walkthrough
SU	FG		Surveys/Free Growing
SU	FG	FILE	Surveys/Free Growing/File Review
SU	FG	HELI	Surveys/Free Growing/Helicopter
SU	FG	MULTI	Surveys/Free Growing/Multi-layered
SU	FG	PLOT	Surveys/Free Growing/Plots
SU	FG	WALK	Surveys/Free Growing/Walkthrough

BASE	TECHNIQUE	METHOD	DESCRIPTION
SU	FH		Surveys/Forest Health
SU	FH	FIXED	Surveys/Forest Health/Fixed Wing
SU	FH	HELI	Surveys/Forest Health/Helicopter
SU	FH	IMPS	Surveys/Forest Health/Intensity Measuring
SU	FH	LANDS	Surveys/Forest Health/Landscape Level
SU	FH	LAYOT	Surveys/Forest Health/Layout
SU	FH	LINE	Surveys/Forest Health/Lines
SU	FH	PHERO	Surveys/Forest Health/Pheromone Baiting
SU	FH	PHOTO	Surveys/Forest Health/Air Photo Interpretation
SU	FH	PIXEL	Surveys/Forest Health/Pixels
SU	FH	PLOT	Surveys/Forest Health/Plots
SU	FH	TRAP	Surveys/Forest Health/Trapping
SU	FH	WALK	Surveys/Forest Health/Walkthrough
SU	FN		Surveys/Forest Nutrient
SU	FN	PHOTO	Surveys/Forest Nutrient/Air Photo Interpretation
SU	FN	PLOT	Surveys/Forest Nutrient/Plots
SU	FN	WALK	Surveys/Forest Nutrient/Walkthrough
SU	HZ		Surveys/Hazard
SU	HZ	ASCAN	Surveys/Hazard/Aerial Infra-red Scanning
SU	HZ	GSCAN	Surveys/Hazard/Ground Infra-red Scanning
SU	JS		Surveys/Juvenile Spacing
SU	JS	HELI	Surveys/Juvenile Spacing/Helicopter
SU	JS	MULTI	Surveys/Juvenile Spacing/Multi-layered
SU	JS	PHOTO	Surveys/Juvenile Spacing/Air Photo Inter
SU	JS	PLOT	Surveys/Juvenile Spacing/Plots
SU	JS	WALK	Surveys/Juvenile Spacing/Walkthrough
SU	MS		Surveys/Mineral Soil Disturbance
SU	MS	PLOT	Surveys/Mineral Soil Disturbance/Plots
SU	MS	WALK	Surveys/Mineral Soil Disturbance/Walkthrough
SU	PA		Surveys/Pay
SU	PA	PLOT	Surveys/Pay/Plots
SU	PA	WALK	Surveys/Pay/Walkthrough
SU	PH		Surveys/Pre-Harvest Silviculture
SU	PH	PLOT	Surveys/Pre-Harvest Silviculture/Plots
SU	PH	WALK	Surveys/Pre-Harvest Silviculture/Walkthrough
SU	PL		Surveys/Planting
SU	PL	PLOT	Surveys/Planting/Plots
SU	PL	WALK	Surveys/Planting/Walkthrough
SU	PO		Surveys/Post Harvest Inspection
SU	PO	FILE	Surveys/Post Harvest Inspection/File Rev
SU	PO	MULTI	Surveys/Post Harvest Inspection/Multi-la
SU	PO	PHOTO	Surveys/Post Harvest Inspection/Air Photography
SU	PO	PLOT	Surveys/Post Harvest Inspection/Plots
SU	PO	WALK	Surveys/Post Harvest Inspection/Walkthrough
SU	PR		Surveys/Pruning

**Guide to Completing FS708 Forms**

<b>BASE</b>	<b>TECHNIQUE</b>	<b>METHOD</b>	<b>DESCRIPTION</b>
SU	PR	PLOT	Surveys/Pruning/Plots
SU	PR	WALK	Surveys/Pruning/Walkthrough
SU	PO	PHOTO	Surveys/Post Harvest Inspection/Air Photo
SU	PO	PLOT	Surveys/Post Harvest Inspection/Plots
SU	PO	WALK	Surveys/Post Harvest Inspection/Walkthrough
SU	PR		Surveys/Pruning
SU	PR	PLOT	Surveys/Pruning/Plots
SU	PR	WALK	Surveys/Pruning/Walkthrough
SU	RA		Surveys/Regeneration Performance
SU	RA	LINE	Surveys/Regeneration Performance/Lines
SU	RA	35MM	Surveys/Regeneration Performance Assessment / 35mm Photo
SU	RA	LINE	Surveys/Regeneration Performance Assessment / Lines
SU	RA	PLOT	Surveys/Regeneration Performance Assessment / Plots
SU	RA	WALK	Surveys/Regeneration Performance Assessment / Walkthrough
SU	RE	70MM	Surveys/Reconnaissance / 70 mm Photo
SU	RE	FIXED	Surveys/Reconnaissance / Fixed Wing
SU	RE	HELI	Surveys/Reconnaissance / Helicopter
SU	RE	LINE	Surveys/Reconnaissance / Lines
SU	RE	PHOTO	Surveys/Reconnaissance / Air Photo Interp
SU	RE	PLOT	Surveys/Reconnaissance / Plots
SU	RE	WALK	Surveys/Reconnaissance / Walkthrough
SU	RG	MULTI	Surveys/Regen/Stocking / Multi-layered
SU	RG	PLOT	Surveys/Regen/Stocking / Plots
SU	RG	WALK	Surveys/Regen/Stocking / Walkthrough
SU	RT	PLOT	Surveys/Root Rot / Plots
SU	RT	WALK	Surveys/Root Rot / Walkthrough
SU	SE	MAINT	Surveys/Seedling Protection / Maintenance
SU	SI	PLOT	Surveys/Silviculture Prescription / Plots
SU	SI	WALK	Surveys/Silviculture Prescription / Walkthrough
SU	SM	PLOT	Surveys/Stand Management Prescription / Plots
SU	SM	WALK	Surveys/Stand Management Prescription / Walkthrough
SU	SP	PLOT	Surveys/Site Preparation / Plots
SU	SP	WALK	Surveys/Site Preparation / Walkthrough
SU	SR	PHOTO	Surveys/Site Rehabilitation / Air Photo Interp
SU	SR	PLOT	Surveys/Site Rehabilitation / Plots
SU	SR	WALK	Surveys/Site Rehabilitation / Walkthrough
SU	SU	LINE	Surveys/Survival / Lines
SU	SU	PLOT	Surveys/Survival / Plots
SU	SU	WALK	Surveys/Survival / Walkthrough
SU	SX	MAINT	Surveys/Silviculture Trials / Maintenance
SU	SX	PLOT	Surveys/Silviculture Trials / Plots
SU	SX	WALK	Surveys/Silviculture Trials / Walkthrough
SU	TR	GPS	Surveys/Traverse / GPS
SU	TR	TIGHT	Surveys/Traverse / Tight Chain
SU	TR	WALK	Surveys/Traverse / Walkthrough
SU	WT	LAYOT	Surveys/Wildlife Tree / Layout

BASE	TECHNIQUE	METHOD	DESCRIPTION
SU	WT	PHOTO	Surveys/Wildlife Tree / Air Photo Interp
SU	WT	PLOT	Surveys/Wildlife Tree / Plots
SU	WT	WALK	Surveys/Wildlife Tree / Walkthrough

### Base and Objective Code Combinations

BASE CODE	OBJECTIVE CODE	DESCRIPTION
BR	CE	Brushing/Crop Establishment
BR	CGE	Brushing/Crop Growth Enhancement
BR	FRA	Brushing/Forest Road Access
BR	PVM	Brushing/Pre-Harvest Vegetation Management
BR	RH	Brushing/Rehabilitation
BR	RHM	Brushing/Range Habitat Management
BR	SP	Brushing/Site Preparation
BR	SR	Brushing/Site Rehabilitation
BR	STC	Brushing/Seed Tree Control
BR	VM	Brushing/Vegetation Management
BR	WHM	Brushing/Wildlife Habitat Management
CC	CE	Cone Collection/Crop Establishment
DS	CE	Direct Seeding/Crop Establishment
DS	ERO	Direct Seeding/Erosion Control
DS	MTC	Direct Seeding/Mistletoe Control
DS	RHM	Direct Seeding/Range Habitat Management
DS	SR	Direct Seeding/Site Rehabilitation
DS	W	Direct Seeding/Wildlife Damage
DS	WHM	Direct Seeding/Wildlife Habitat Management
FE	BIO	Fertilization/Biodiversity
FE	CGE	Fertilization/Crop Growth Enhancement
FE	CON	Fertilization/Cone Production
FE	NUT	Fertilization/Forest Nutrient Improvement
FE	RH	Fertilization/Rehabilitation
FE	RHM	Fertilization/Range Habitat Management
FE	SMP	Fertilization/Stand Management Prescription
FE	SR	Fertilization/Site Rehabilitation
FE	SUP	Fertilization/Suppression Release
FE	WHM	Fertilization/Wildlife Habitat Management
JS	BIO	Juvenile Spacing/Biodiversity
JS	CGE	Juvenile Spacing/Crop Growth Enhancement
JS	DA	Juvenile Spacing/Foliage Disease
JS	DAF	Juvenile Spacing/Broom Rust
JS	DD	Juvenile Spacing/Stem Rot
JS	DL	Juvenile Spacing/Disease Caused Dieback
JS	DM	Juvenile Spacing/Dwarf Mistletoe
JS	DR	Juvenile Spacing/Root Disease

BASE CODE	OBJECTIVE CODE	DESCRIPTION
JS	DS	Juvenile Spacing/Stem Diseases (Cankers)
JS	IA	Juvenile Spacing/Aphids
JS	IB	Juvenile Spacing/Bark Beetles
JS	ID	Juvenile Spacing/Defoliators
JS	INC	Juvenile Spacing/Incremental
JS	IS	Juvenile Spacing/Shoot Insects
JS	IW	Juvenile Spacing/Weevils
JS	MAX	Juvenile Spacing/Max. Density Control
JS	MTC	Juvenile Spacing/Mistletoe Control
JS	N	Juvenile Spacing/Non Biological (Abiotic)
JS	RH	Juvenile Spacing/Rehabilitation
JS	RHM	Juvenile Spacing/Range Habitat Management
JS	RS	Juvenile Spacing/Repression Spacing
JS	SAL	Juvenile Spacing/Stagnant Stand Salvage
JS	SAN	Juvenile Spacing/Sanitation Spacing
JS	SMP	Juvenile Spacing/Stand Management Prescription
JS	SPE	Juvenile Spacing/Species Composition Change
JS	W	Juvenile Spacing/Wildlife Damage
JS	WHM	Juvenile Spacing/Wildlife Habitat Management
PC	A	Pest Control/Animal Damage
PC	DA	Pest Control/Foliage Disease
PC	DAF	Pest Control/Broom Rust
PC	DD	Pest Control/Stem Rot
PC	DL	Pest Control/Disease Caused Dieback
PC	DM	Pest Control/Dwarf Mistletoe
PC	DR	Pest Control/Root Disease
PC	DS	Pest Control/Stem Diseases (Cankers)
PC	IA	Pest Control/Aphids
PC	IB	Pest Control/Bark Beetles
PC	ID	Pest Control/Defoliators
PC	IS	Pest Control/Shoot Insects
PC	IW	Pest Control/Weevils
PC	N	Pest Control/Non Biological (Abiotic)
PC	SMP	Pest Control/Stand Management Prescription
PL	CE	Planting/Crop Establishment
PL	ERO	Planting/Erosion Control
PL	MTC	Planting/Mistletoe Control
PL	RH	Planting/Rehabilitation
PL	RHM	Planting/Range Habitat Management
PL	SE	Planting/Seedling Protection
PL	SR	Planting/Site Rehabilitation
PL	W	Planting/Wildlife Damage
PL	WHM	Planting/Wildlife Habitat Management
PR	A	Pruning/Animal Damage
PR	BIO	Pruning/Biodiversity

BASE CODE	OBJECTIVE CODE	DESCRIPTION
PR	DA	Pruning/Foliage Disease
PR	DAF	Pruning/Broom Rust
PR	DD	Pruning/Stem Rot
PR	DL	Pruning/Disease Caused Dieback
PR	DM	Pruning/Dwarf Mistletoe
PR	DR	Pruning/Root Disease
PR	DS	Pruning/Stem Diseases (Cankers)
PR	IA	Pruning/Aphids
PR	IB	Pruning/Bark Beetles
PR	ID	Pruning/Defoliators
PR	IS	Pruning/Shoot Insects
PR	IW	Pruning/Weevils
PR	N	Pruning/Non Biological (Abiotic)
PR	RHM	Pruning/Range Habitat Management
PR	SMP	Pruning/Stand Management Prescription
PR	WHM	Pruning/Wildlife Habitat Management
PR	WQI	Pruning/Wood Quality Improvement
RC	SMP	Recreation/Stand Management Prescription
RC	UPG	Recreation/Site Upgrading
RD	ERO	Roads/Erosion Control
RD	FWD	Roads/Four Wheel Drive Access
RD	NOA	Roads/No Access
RD	PER	Roads/Permanent Deactivation
RD	PLT	Roads/Planting Access
RD	REC	Roads/Recreation Access
RD	RH	Roads/Rehabilitation
RD	SEM	Roads/Semi-permanent Deactivation
RD	SMP	Roads/Stand Management Prescription
RD	STD	Roads/Stand Tending Access
RD	TEM	Roads/Temporary Deactivation
RD	TWD	Roads/Two Wheel Drive Access
SP	CE	Site Preparation/Crop Establishment
SP	ERO	Site Preparation/Erosion Control
SP	HAZ	Site Preparation/Fire Hazard Abatement
SP	MTC	Site Preparation/Mistletoe Control
SP	NAT	Site Preparation/Natural Regeneration
SP	PL	Site Preparation/Planting
SP	PVM	Site Preparation/Pre-Harvest Vegetation
SP	RH	Site Preparation/Rehabilitation
SP	RHM	Site Preparation/Range Habitat Management
SP	RT	Site Preparation/Root Rot
SP	SEE	Site Preparation/Seeding
SP	VM	Site Preparation/Vegetation Management
SP	W	Site Preparation/Wildlife Damage
SP	WHM	Site Preparation/Wildlife Habitat Management



BASE CODE	OBJECTIVE CODE	DESCRIPTION
SU	AC	Surveys/Cattle Damage
SU	AMD	Surveys/Amendment
SU	BR	Surveys/Brushing
SU	CC	Surveys/Cone Collection
SU	CE	Surveys/Crop Establishment
SU	CR	Surveys/Conifer Release
SU	CSB	Surveys/Cone and Seedbed
SU	CT	Surveys/Commercial Thinning
SU	DA	Surveys/Foliage Disease
SU	DAF	Surveys/Broom Rust
SU	DD	Surveys/Stem Rot
SU	DL	Surveys/Disease Caused Dieback
SU	DM	Surveys/Dwarf Mistletoe
SU	DR	Surveys/Root Disease
SU	DS	Surveys/Stem Diseases (Cankers)
SU	DTA	Surveys/Danger Tree Assessment
SU	FE	Surveys/Fertilization
SU	FG	Surveys/Free Growing
SU	FN	Surveys/Forest Nutrient
SU	FP	Surveys/Fill Planting
SU	IA	Surveys/Aphids
SU	IB	Surveys/Bark Beetles
SU	ID	Surveys/Defoliators
SU	IS	Surveys/Shoot Insects
SU	IW	Surveys/Weevils
SU	JS	Surveys/Juvenile Spacing
SU	MAP	Surveys/Mapping
SU	MAX	Surveys/Max. Density Control
SU	MON	Surveys/Monitoring
SU	MS	Surveys/Mineral Soil Disturbance
SU	N	Surveys/Non Biological (Abiotic)
SU	NAT	Surveys/Natural Regeneration
SU	PH	Surveys/Pre Harvest Silviculture
SU	PP	Surveys/Plantability Prescription
SU	PR	Surveys/Pruning
SU	RA	Surveys/Regeneration Performance
SU	RE	Surveys/Reconnaissance
SU	RG	Surveys/Regen Delay
SU	RH	Surveys/Rehabilitation
SU	RP	Surveys/Re-Planting
SU	RT	Surveys/Root Rot
SU	SE	Surveys/Seedling Protection
SU	SMP	Surveys/Stand Management Prescription
SU	SP	Surveys/Site Preparation
SU	SR	Surveys/Site Rehabilitation

BASE CODE	OBJECTIVE CODE	DESCRIPTION
SU	ST	Surveys/Stocking
SU	SU	Surveys/Survival
SU	UR	Surveys/Understory Retention
SU	W	Surveys/Wildlife Damage
SU	WHM	Surveys/Wildlife Habitat Management
SU	WT	Surveys/Wildlife Tree

### Layer Code

Layer Code	Description	Notes
V	Veteran	crown closure is < 6%, and, >40 years old than the main stand, and, approximately 10m taller than the rank 1 layer, and evenly distributed, and have potential to be either seed tree or for commercial value.
[blank]	Inventory - even-aged	Blank only valid for even-aged stand.
S	Silviculture - even-aged	Silviculture label for even-aged stand. Cannot have without corresponding inventory layer. Rank must be blank for 'S' layer.
1	Inventory Mature Layer - uneven-aged	Uneven-aged stand with trees > 12.5cm dbh - based on all commercial trees
1S	Silviculture Mature Layer - uneven-aged	Unven-aged stand with trees > 12.5cm dbh - based on acceptable well-spaced trees.
2	Inventory Pole Layer - uneven-aged	Uneven-aged stand with trees 7.5 to 12.49cm dbh - based on all commercial trees
2S	Silviculture Pole Layer - uneven-aged	Unven-aged stand with trees 7.5 to 12.49 dbh - based on acceptable well-spaced trees.
3	Inventory Sapling Layer - uneven-aged	Uneven-aged stand with trees 1.3 to 7.49 dbh - based on all commercial trees
3S	Silviculture Sapling Layer - uneven-aged	Unven-aged stand with trees 1.3 to 7.49cm dbh - based on acceptable well-spaced trees.
4	Inventory Regeneration Layer - uneven-aged	Uneven-aged stand with trees <1.3 dbh - based on all commercial trees
4S	Silviculture Regeneration Layer - uneven-aged	Unven-aged stand with trees <1.3cm dbh - based on acceptable well-spaced trees.

### Stocking Status and Stocking Type Code combinations

Stocking Status		Stocking Type		Description
A	Alpine	NAT	Natural	Includes non-forested land above the timberline
AF	Alpine Forest	FOR	Forest	High elevation forest located adjacent to alpine areas.
C	Cultivated Cleared	UNN	Unnatural	Land managed for agricultural purposes.
G	Gravel Bar	NAT	Natural	Gravel bars adjacent to streams.
IMM	Immature	ART NAT	Artificial Natural	Young stands that are stocked (non-NSR). Conifers aged 1-120 years, and PI, Pa and all deciduous species aged 1-80 yrs, can be immature.
L	Lakes	NAT	Natural	
M	Meadow	NAT	Natural	Uncultivated low-lying, usually flat grassland
MAT	Mature	ART NAT	Artificial Natural	Conifers older than 121 years; and PI, Pa and deciduous species older than 81 years
NC	Non-commercial	FOR BR	Forest Brush	Describes potential productive forest land that is covered or occupied with either "forest" or "brush".
NP	Non-productive	FOR NAT UNN	Forest Natural Unnatural	Forest land that is incapable of growing merchantable stands within a reasonable length of time.  – used when you don't know specifically what type of NP (R,S,G etc.) to describe.  – used to describe all roads and landings, permanently removed from the productive landbase.
NSR	Not Satisfactorily Restocked	NAT NPL PL	Natural Non-plantable Plantable	Forest land that does not meet the minimum stocking standards. Note: NSR NPL describes strata that require some type of site preparation in order to provide proper microsite for regeneration.
OR	Open Range	NAT	Natural	Ecologically stable, non-forested rangeland community, best suited for range management.
R	Rock	NAT	Natural	
S	Swamp	NAT	Natural	
U	Urban	UNN		Manmade cover such as industrial sites, powerlines, pipelines, railways, seismic lines.
RES	Reserve			define

### Site Index Source Codes

SI Source Code	Description
A	Site Index from adjacent stand
I	Site Index from growth intercept
O	Site Index from SIBEC rollover, November 1998
C	Site Index from site index curve
H	Site Index from stand before harvest
E	Site Index from Biogeoclimatic Ecosystem Classification
M	Site Index from G, M, P, L site conversion

### Tree Species Code

Code	Tree species
A	poplar
AC	poplar
ACB	balsam poplar
ACT	black cottonwood
AT	trembling aspen
AX	poplar hybrid
B	true fir
BA	amabilis fir
BB	balsam fir
BG	grand fir
BL	subalpine fir
BN	noble fir
C	cedar
CW	western red cedar
D	alder
DG	green/sitka alder (n)
DM	mountain alder (n)
DR	red alder
E	birch
EA	alaska paper birch
EB	scrub birch
EP	paper birch
ES	swamp birch
EW	water birch
EX	birch hybrid
EXP	alaska paper x paper
EXW	water x paper
F	douglas-fir
FD	douglas-fir
FDC	douglas-fir (coast)
FDI	douglas-fir (interior)
G	dogwood (n)
GP	flowering dogwood (n)
GR	red-osier dogwood
H	hemlock
HM	mountain hemlock
HW	western hemlock
HX	hemlock hybrid
HXM	western x mountain
J	juniper (n)
JD	common juniper
JH	creeping juniper
JR	rocky mountain juniper (n)
LA	alpine larch

Code	Tree species
M	maple
MB	bigleaf maple
MR	douglas maple (n)
MV	vine maple (n)
P	pine
PA	whitebark pine
PF	limber pine
PJ	jack pine
PL	lodgepole pine
PLC	lodgepole pine (coast)
PLI	lodgepole pine (interior)
PR	red pine
PW	western white pine
PX	pine hybrid
PXJ	lodgepole x jack
PY	yellow pine
Q	oak
QG	garry oak
RA	arbutus (n)
S	spruce
SA	norway spruce
SB	black spruce
SE	engelmann spruce
SS	sitka spruce
SW	white spruce
SX	spruce hybrid
SXB	white x black
SXE	engelmann x sitka
SXL	white x sitka (picea x lutzii)
SXS	sitka x unknown hybrid
SXW	white x engelmann
SXX	white x engelmann x sitka
T	yew
TW	western yew
UP	pacific crab apple (malus fusca)
V	cherry (n)
VB	bitter cherry (n)
VP	pin cherry
VW	choke cherry
W	willow
WA	barclay's willow
WB	bebb's willow
WD	grey-leaved willow
S	scouler's willow

Code	Tree species
LS	siberian larch
LT	tamarack
LW	western larch

Code	Tree species
WT	tea-leaved willow
Y	cypress
YC	yellow cedar

### Damage Agent Codes

Damage Agent Code	DEFINITION
A	Animal Damage
AB	Bear
AC	Cattle
AD	Deer
AE	Elk
AH	Hare or Rabbit
AM	Moose
AP	Porcupine
AS	Squirrel
AV	Vole
AX	Birds
AZ	Beaver
C	Cone and Seed Insects
CAH	Cone Resin Midge ( <i>Asynapta hookinsi</i> )
CBC	FD Cone Moth ( <i>Barbara colfaxiana</i> )
CBX	Fir Cone Moth ( <i>Barbara</i> sp.)
CCP	( <i>Camptomvia pseudotsugae</i> )
CDC	SX Cone Gall Midge ( <i>Dasineura canadensis</i> )
CDD	Fir Seed Midge ( <i>Dasineura abiesemia</i> )
CDR	SX Cone Axis Midge ( <i>Dasineura rachiohaga</i> )
CDX	<i>Dasineura</i> Midges ( <i>Dasineura</i> spp.)
CEA	Fir Cone Maggot ( <i>Earomyia abietum</i> )
CEB	( <i>Earomyia barbara</i> )
CEQ	( <i>Earomyia aquilonia</i> )
CEX	<i>Earomyia</i> Maggots ( <i>Earomyia</i> spp.)
CFP	FD Cone Beetle ( <i>Ernobius punctulatus</i> )
CHX	Budworms ( <i>Choristoneura</i> spp.)
CIA	Fir Coneworm ( <i>Diorvctria abietivorella</i> )
CIP	FD Coneworm ( <i>Diorvctria pseudotsugella</i> )
CIR	SX Coneworm ( <i>Diorvctria reniculelloides</i> )
CIS	Pine Coneworm ( <i>Diorvctria rossi</i> )
CIV	PY Coneworm ( <i>Diorvctria auranticella</i> )
CIX	Coneworms ( <i>Diorvctria</i> spp.)
CLO	Western Conifer Seed Bug ( <i>Leptoglossus occidentalis</i> )
CMA	PY Seed Chalcid ( <i>Megastiamus albifrons</i> )
CMC	SX Seed Chalcid ( <i>Megastiamus piceae</i> )
CML	BL Seed Chalcid ( <i>Megastiamus lasiocarphae</i> )
CMP	Fir Seed Chalcid ( <i>Megastiamus pinus</i> )
CMR	( <i>Megastiamus rafni</i> )
CMS	FD Seed Chalcid ( <i>Megastiamus spermotrophus</i> )
CMT	HW Seed Chalcid ( <i>Megastiamus tsugae</i> )
CMX	Seed Chalcids ( <i>Megastiamus</i> spp.)
CNP	Pine Cone Beetle ( <i>Conophthorus ponderosae</i> )

Guide to Completing FS708 Forms

Damage Agent Code	DEFINITION
CPS	( <i>Pineus similis</i> )
CRX	Cone Scale Midge ( <i>Resseliella</i> spp.)
CSN	Spiral Spruce Cone Borer ( <i>Strobilomyia neanthracina</i> )
CTO	FD Cone Gall Midge ( <i>Contarinia oregonensis</i> )
CTW	FD Cone Scale Midge ( <i>Contarinia washingtonensis</i> )
CVP	PW Cone Borer ( <i>Eucosma ponderosa</i> )
CVR	PL Cone Borer ( <i>Eucosma recissoriana</i> )
CYC	SX Seed Midge ( <i>Mavetiola carophada</i> )
CYP	PY Seedworm ( <i>Cvdia piperana</i> )
CYS	SX Seedworm ( <i>Cvdia strobilella</i> )
CYT	CW Cone Midge ( <i>Mavetiola thuiiae</i> )
CYX	Seedworms ( <i>Cvdia</i> spp.)
D	Disease
DB	Broom rust
DBF	fir broom rust ( <i>Melampsorella carvophylloearum</i> )
DBS	spruce broom rust ( <i>Chrysomyxa arctostaphyli</i> )
DD	stem rot
DDB	birch trunk rot ( <i>Fomes fomentarius</i> )
DDD	sulfur fungus ( <i>Laetioorus sulphureus</i> )
DDE	Rust Red String Rot ( <i>Echindontium tinctorium</i> )
DDF	brown crumbly rot ( <i>Fomitopsis pinicola</i> )
DDH	hardwood trunk rot ( <i>Phellinus ignarius</i> )
DDO	cedar brown pocket rot ( <i>Poria sericeomollis</i> )
DDP	Red Ring Rot ( <i>Phellinus pini</i> )
DDQ	quinine conk rot ( <i>Fomitopsis officinalis</i> )
DDS	Schweinitz Butt Rot ( <i>Phaeolus schweinitzii</i> )
DDT	Aspen Trunk Rot ( <i>Phellinus tremulae</i> )
DF	foliage disease
DFA	western pine aster rust ( <i>Coleosporium asterum</i> )
DFC	large-spored spruce-labrador tea rust ( <i>Chrysomyxa ledicola</i> )
DFD	spruce needle cast ( <i>Lirula macrospora</i> )
DFE	elvroderma needle cast ( <i>Elvroderma deformans</i> )
DFH	larch needle cast ( <i>Hvoodermella laricis</i> )
DFL	Pine Needle cast ( <i>Lophodermella concolor</i> )
DFM	larch needle blight ( <i>Meria laricis</i> )
DFP	fir fireweed rust ( <i>Pucciniastrum epilobi</i> )
DFR	Douglas-fir needle cast ( <i>Rhabdocline pseudotsugae</i> )
DFS	redband needle blight ( <i>Mycosphaerella</i> [ <i>Schirria</i> ] <i>pini</i> )
DL	Disease Caused Dieback of leader
DLD	dermea canker ( <i>Dermea pseudotsugae</i> )
DLF	red flag disease ( <i>Potebniamyces balsamica</i> )
DLP	phomopsis canker ( <i>Phomopsis lokoyae</i> )
DLS	sydowia ( <i>Sclerophoma</i> ) tip dieback ( <i>Sclerophoma pithyophila</i> )
DLV	aspen-poplar twig blight ( <i>Venturia</i> spp.)
DM	Dwarf Mistletoe
DMF	Douglas-fir Dwarf Mistletoe
DMH	Hemlock Dwarf Mistletoe
DML	Larch Dwarf Mistletoe
DMP	Lodgepole Pine Dwarf Mistletoe
DR	Root Disease

Damage Agent Code	DEFINITION
DRA	Armillaria Root Disease
DRB	Black Stain Root Disease
DRC	Laminated Root Rot (cedar strain)
DRL	Laminated Root Rot
DRN	Annosus Root Disease
DRR	Rhizina Root Disease
DRT	Tomentosus Root Rot
DS	Stem Disease (Canker or Rust)
DSA	Atropellis Canker (Lodgepole Pine)
DSB	White Pine Blister Rust
DSC	Comandra Blister Rust
DSE	sooty bark canker (Encoelia pruinosa)
DSG	Western Gall Rust
DSH	hypoxylon canker (Hypoxylon mammatum)
DSP	crustosphaeria canker (Crustosphaeria populina)
DSR	ceratocystis canker (Ceratocystis fimbriata)
DSS	Stalactiform Blister Rust
DST	target canker (Nectria galligena)
DSY	cytospora canker (Cytospora chrysosperma)
I	Insects
IA	Aphids or adelgids
IAB	Balsam Woolly Adelgid
IAC	Giant Conifer Aphid (Cinara species)
IAG	Cooley Spruce Gall Adelgid
IAL	Cone Woolly Aphid (Adelges lariciatus)
IAS	Spruce Aphid (Elatobium abietinum)
IB	Bark Beetles
IBB	Western Balsam Bark Beetle
IBD	Douglas-fir Beetle
IBI	Bark Beetles (100 species)
IBM	Mountain Pine Beetle
IBP	twisted bark beetles (Pityogenes, Pityophthorus spp)
IBS	Spruce Beetle
IBT	red turpentine beetle (Dendroctonus valens)
IBW	western pine beetle (Dendroctonus brevicornis)
ID	Defoliating insects
IDA	Black army cutworm
IDB	two-year budworm (Choristoneura biennis)
IDC	Larch casebearer
IDD	western winter moth (Erranis tiliiaria vancouverensis)
IDE	Spruce Budworm (C. fumiferana)
IDF	Forest Tent Caterpillar
IDG	Greenstriped Forest Looper
IDH	Western Blackheaded Budworm
IDI	pine needle sheath miner (Zellaria haimbachi)
IDL	Western Hemlock Looper
IDM	Green Moth
IDN	birch leaf miner (Fenusa pusilla)
IDP	larch sawfly (Pristiphora erichsoni)
IDR	alder sawfly (Eriocampa ovata)



Damage Agent Code	DEFINITION
IDS	Conifer Sawflies
IDT	Douglas-fir Tussock Moth
IDU	satin moth ( <i>Leucoma salicis</i> )
IDV	Variegated Cutworm
IDW	Western Spruce Budworm ( <i>occidentalis</i> )
IDX	larva aspen tortrix ( <i>Choristoneura conflictana</i> )
IDZ	Western False Hemlock Looper
IS	Shoot Insects
ISB	Western Cedar Borer( <i>Trachykele blondeli</i> )
ISE	European Pine Shoot Moth
ISG	mountain pitch midge ( <i>Cecidomyia piniinopsis</i> )
ISP	Pitch Nodule Moths ( <i>Petrova</i> species)
ISQ	sequoia pitch moth ( <i>Vespa mima sequoiae</i> )
ISS	western pine shoot borer ( <i>Eucosma sonomana</i> )
IW	Weevils
IWC	Conifer Seedling Weevil
IWM	<i>Maadalis</i> Species
IWP	Lodæpole Terminal Weevil
IWS	White Pine Weevil (on spruce)
IWW	Warren's Root Collar Weevil
IWY	cylindrocopturus weevil ( <i>Cylindrocopturus</i> spp.)
IWZ	Yosemite bark weevil ( <i>Pissodes schwartzii</i> )
M	Mite Damage
N	Non-Biological (Abiotic) Injuries
NB	Fire
ND	Drought
NF	Flooding
NG	Frost
NS	Slide
NW	Windthrow
NGC	frost crack
NGH	Frost Heaved
NGK	Shoot/Bud Frost Kill
NH	Hail
NK	Fumekill
NL	lightning
NN	Road Salt
NR	Redbelt
NW	windthrow
NWS	windthrow - soil failure
NWT	windthrow - treatment or harvest related
NX	wounding/rubbing
NY	Snow or Ice (includes snow press)
NZ	Sunscald
P	Cone and Seedling fungal pathogens
PAX	( <i>Alternaria</i> spp.)
PBC	Gray Mould ( <i>Botrytis cinerea</i> )
PCD	( <i>Cylindrocarpus destructans</i> )
PCF	Seed or Cold Fungus ( <i>Caloscypha fulgens</i> )
PCP	Inland Spruce Cone Rust ( <i>Chrysomyxa pirolata</i> )

Damage Agent Code	DEFINITION
PDT	Cedar Leaf Blight ( <i>Didymascella thuiina</i> )
PFX	(Fusarium spp.)
PPG	Damping-Off Disease ( <i>Phoma alomerata</i> )
PPX	(Penicillium spp.)
PSS	Sirococcus Blight ( <i>Sirococcus strobilinus</i> )
PTX	(Trichothecium spp.)
T	treatment injuries
TC	chemical
TH	harvested
TL	logging
TM	other mechanical damage (non-logging)
TP	planting
TPM	poor planting microsite
TR	pruning
TT	thinning or spacing
V	problem vegetation
VH	herbaceous competition
VP	vegetation press
VS	shrub competition
VT	tree competition