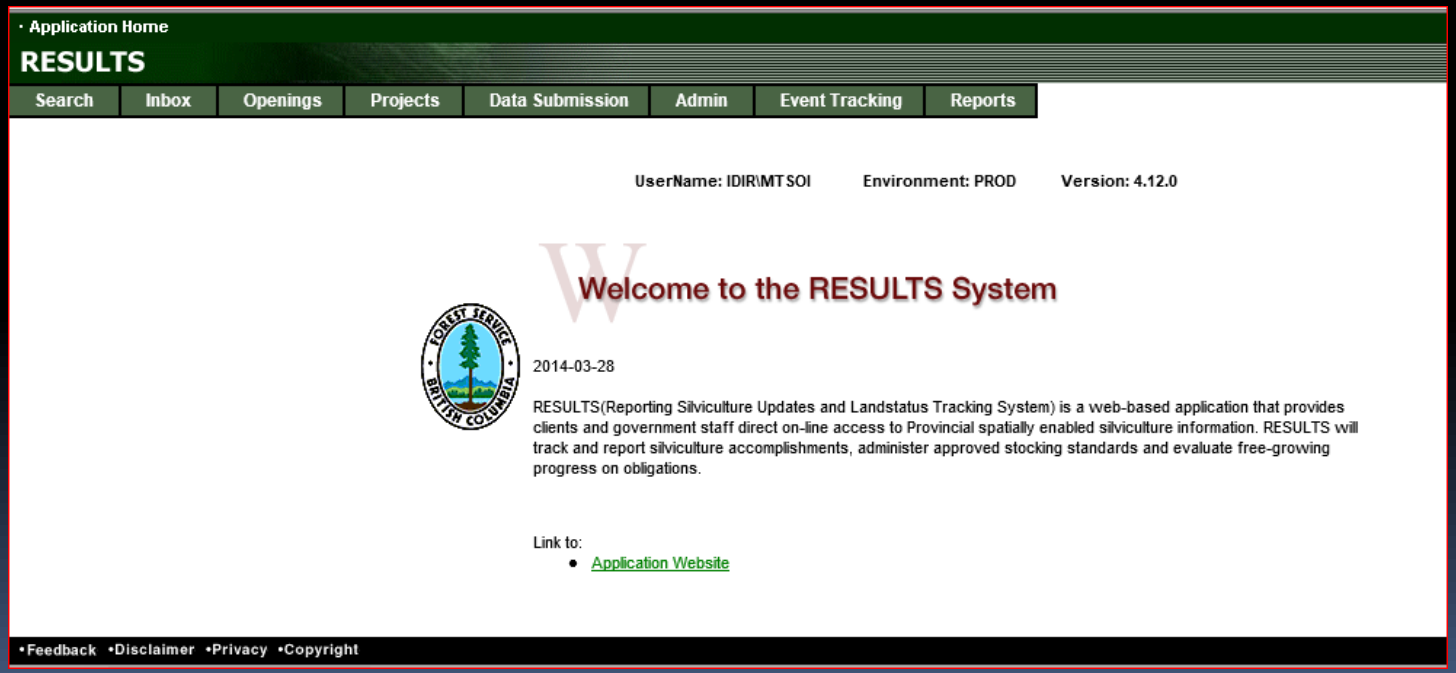
RESULTS Training

Core Module 8
Forest Cover and Treed Retention Reporting



January 2016

Communication & Evaluation

Ask questions using CHAT

Ensure that you direct to Entire Audience – so everyone can read the question

If there is some else that is sitting in the session but no registered, please add their Name and email on the Evaluation form

Please complete the Evaluation Form – automatically available appears Immediately after session

You will receive email confirmation to a RESULTS Testing website.

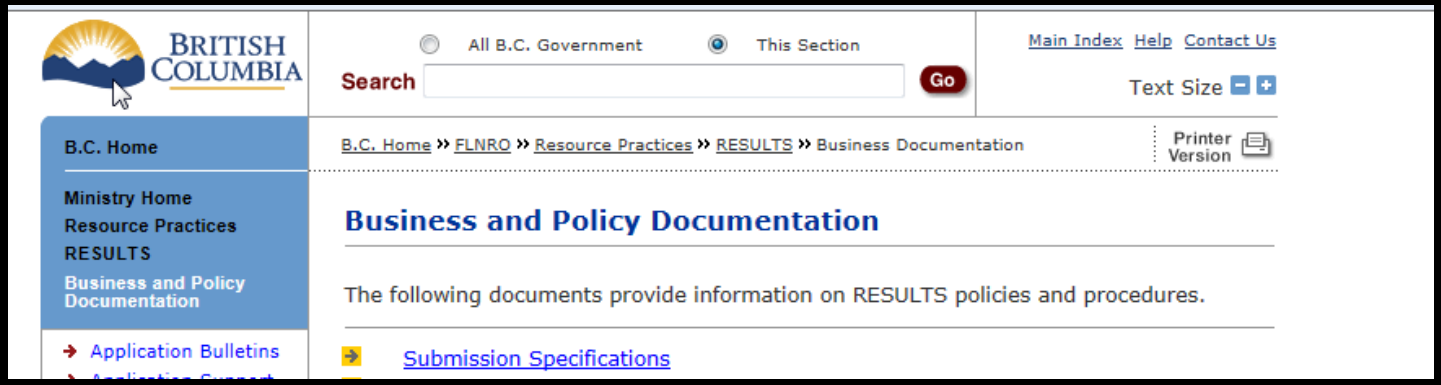
If you are a new user or require access renewal,
you must pass the test in order to obtain your RESULTS access.
Please only complete the test after you completed all required modules
for your required authority.

Outline of Session

- Business Guidelines
- Terms and Definitions
- New Requirements
- Forest Cover Reporting – Timing
- Forest Cover Reporting – Structure
- Retention Reporting Matrix
- Common Forest Cover Reporting VRIMS Issues
- Forest Cover Reporting Examples

Business Guidance

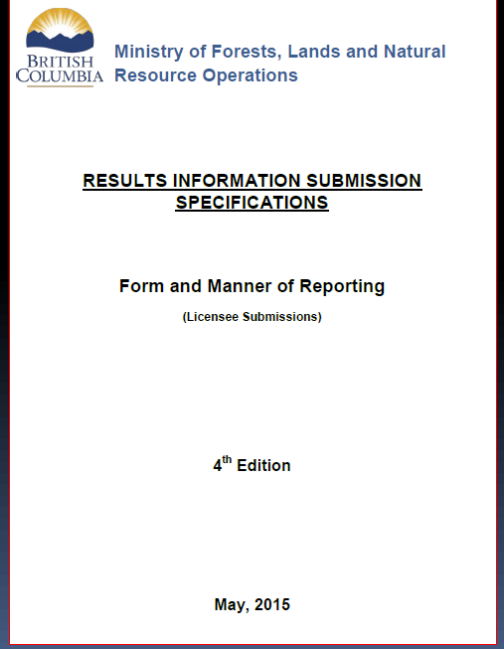
http://www.for.gov.bc.ca/his/results/business.htm



Submission Specifications

- CF Memo (RISS-ls) – Provincial memo from Jim Snetsinger, announcing RESULTS Information Submission Specifications: Licensee Submissions, a document that outlines the form and manner of reporting data to RESULTS.
- **NEW** RESULTS Information Submission Specifications: Licensee Submissions (Edition 4) – Edition 4 of the Silviculture Information Submission Guidebook describes submission specifications for electronic submissions to RESULTS via the Electronic Submission Framework;

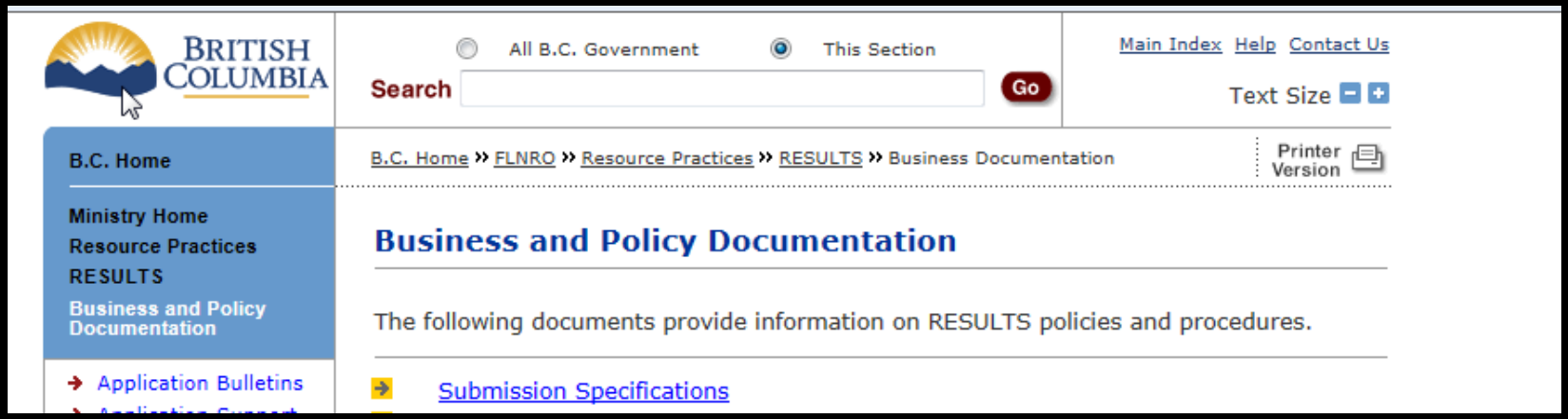
  Revisions to Edition 4 in response to input received by the Coastal Region Implementation Team (CRIT) and by users via the NRS Service Desk and Resource Practices Branch. **As per direction from the Deputy Minister to make basal area a mandatory requirement, Section 5.7.2.2. has been amended**. Other minor revisions have been implemented in order to increase clarity.
- **NEW** RESULTS Information Submission Specifications: Licensee Submissions (Edition 4 - Memo
- RESULTS Information Submission Specification - gf - Edition 4 - May 2014 **NEW** – Requirements for preparing and submitting information pertaining to government funded silviculture activities (treatments and surveys) to RESULTS.
- Electronic submissions required – Deputy minister letter notifying licensees that all silviculture reports and amendments are to be electronically submitted to the ministry as of June 1, 2005.

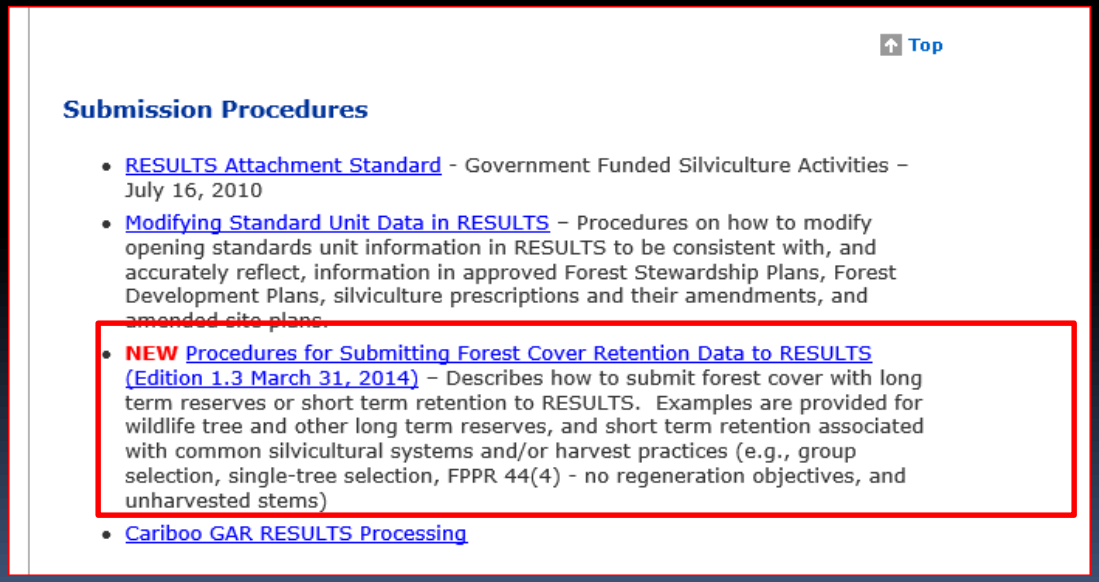


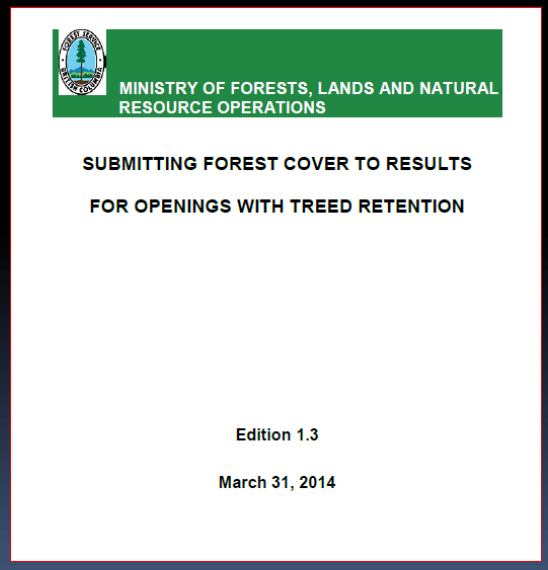
Detailed Forest Cover Requirements Section 5.7

Business Guidance

http://www.for.gov.bc.ca/his/results/business.htm







RESULTS – Forest Cover - Preface

- Forest cover data submitted to RESULTS must be accurate and adhere to data submission standards as per RISS
- RISS forest cover is ensure consistency in reporting using existing RESULTS structure
- Must contain spatial (ESF only)
- Must be submitted for the entire opening (not partial)
- RESULTS forest cover is used to update Vegetation Inventory Maps (VRIMS)
- Data is used to support Timber Supply Review Process and other analysis

RESULTS – Forest Cover Submission Structure

- Forest Cover reporting data structure was originally designed for clear-cut system
- Evolution of different silvicultural and harvest systems but system's nomenclature remain static due to increase cost and downstream cost required to change systems (Ministry's and licensees).
- No ability to report silvicultural system by forest cover polygon and instead use of multi-layer forest cover and reserve type and reserve objective codes.
- No change to forest cover reporting structure – too much downstream impacts on systems (RESULTS, clients, ESF schema and VRIMS).
- Reporting based on best fit due to limitations of system

Forest Cover Reporting Timing – Reforestation Obligation (Licensee)

Forest Cover is submitted before June 1 for each area:

- Where harvesting has been completed before March 31 of that year
- Has met regeneration date up to March 31 of that year
- Has not met regeneration requirements but the regeneration date has passed prior to March 31 of that year
- Has met free growing date requirements up to March 31 of that year and to fulfil THSPR obligation
- Free growing declaration has been made in accordance to FRPA 107 and FPPR 97; or,
- Has not met free growing requirements but the free growing date has passed prior to March 31 of that year

Forest Cover Reporting Timing – No Reforestation Obligation

Forest cover submitted as part of declaration for areas subject to requirements under FPPR 44(4) is submitted no sooner than 12 months following the completion of harvest.

WLPPR 34(3) A woodlot licence holder who harvest for a number of reasons referred to subsection (2)(d) or (e) must ensure that, for a period 12 months after completion of harvest, the area on which timber harvesting was carried out confirms to the stocking standards specified in section 12 for the area.

eg. Commercial thinning or intermediate cuts

This is when stocking standards are identified as “No Regen Obligations”

Terms and Definitions – Residuals & Reserves

- *Long term residuals* or *reserves* – stands retained for an entire rotational planning cycle. "Reserves" are understood to not be available for harvesting until next rotational cycle of the stand

- *Short term residuals* or *retention* stands are retained (whether or not they are eventually harvested in another entry) for a portion of a current planning cycle.

Terms and Definitions – RESULTS Reserve Type Code

Reserve Type Code*:

- *"G" - Group Reserves* – a defined, mapped patch of trees, generally does not have NAR

- *"D" - Dispersed* – trees that are retained individually or in unmapped groups (small clusters <0.25ha), but are enclosed within the boundaries of the mapped polygon designated as "dispersed reserves" and is within a NAR.

* RESULTS contain records with old records with obsolete reserve codes – no conversion was conducted.

Reserve Reporting – Reserve Type Code "G"

"G" - Group Reserves*

- do not have harvest entries or silviculture responsibilities, and are mapped and reported
- Polygon components are submitted
- Polygons with inventory component, if supplied, are used to update VRI
- No silviculture component is required
- Area often reported as even-aged with residual stems comprise of the entire reserves

* Report the best information available for residual stems (recent survey, timber cruise, or pre-existing inventory label citing the appropriate reference year). Not required to survey residual component of reserves with no SU).

Reserve Reporting – Reserve Type Code "D"

"D" - Dispersed Reserves

- have harvesting and is associated with an SU within which the denuded and residual treed portions are not individually mapped
- boundary of entire polygon is mapped, and the denuded and residual portions of the polygon are described in the inventory and silviculture components
- reported as multi-layer stands where dispersed retention is >5m^2 per ha* of residual basal area associated with a SU. Minimum two layers are reported: the denuded layer and the layer containing the residual stems

* dispersed retention levels < 5m^2 per ha do not need to be reported, although it is considered best management practice to do so if the retention is linked to a FSP results or strategy, or is associated with a silvicultural system (eg. seed tree)

Terms and Definitions – RESULTS Reserve Objective Type

Reserve Objective Code - Refers to the management goal of the retained trees.

RESULTS has only one Reserve Objective Code option for entry even though reserves may serve multiple objectives.

- TIM (Timber Management) residuals that are considered to short term retention and available for subsequent harvest entry prior to the end of the current rotation planning cycle (whether they are actually harvested or not).
  - TIM requires Re-entry year.
- Any reserve objective code other than "TIM" is considered long term retention and not available for subsequent harvest entry until after the next rotational planning cycle.
  - Reserves constrained for entire rotation, use primary constraining objective (ie. WTR, RMA or any code other than TIM)
  - This will be used for calculation for WTR% (FPPR s.66)

Reserve Reporting - Mapping

- Group reserves 0.25ha* or greater including fully external reserves
- Dispersed reserves mapped as a part of a standards unit/polygon (tree portions are not individually mapped).
- Reserves from 0.1 to .24ha are tracked. If exact locations are mapped they may be reported as individual “Group” reserves*. If the exact locations of these reserves are not mapped, they are reported as “Dispersed” reserves within an SU and the polygons within which they are located, although the individual trees themselves are not mapped.

* RESULTS can accommodate mappable units of 0.1ha.

New reporting requirement – Basal Area

Chief Forester added Basal Area as a mandatory requirement as of July 8 2015 (see RISS Section 5.7.2.2)

Basal Area reporting is required:

- If Basal Area/ha (usually as a percentage of pre-harvest BA/hectares) is a part of the stocking standard, retained BA/ha is included in the inventory and silviculture components.
- openings with >5m^2/ha of overstorey Layer 1 (Mature).
  Basal Area MUST be reported for inventory component.
  This requirement will start as of for the 2016 reporting period.

Forest Cover Reporting Requirements

- All polygons within the opening are reported with all Standards Units and all polygons excluded from Standards Units
- Polygons not surveyed (or treated) are identified with their locations and attributes with reference year (e.g Group Reserves)
- Entire opening must be submitted with spatial for all polygons.

Forest Cover Reporting Components

Forest Cover polygon component required for all polygons (NAR and non NAR)

Inventory and silviculture component required for all polygons with SUs

Non-mapped components are areas too small to map and are removed from the NAR within a given polygon using Non-Mapped component.

Forest Cover – Polygon Component

Forest Cover Attributes (all polygons)

Standards Unit (SU) ID	Polygon (Licensee) ID
Area	
Reference Year	Re-entry Year
Stocking Status	Stocking Type
Reserve Type	Reserve Objective
Site Index	Site Index Source
Tree Cover Pattern	

Forest Cover – Inventory Component (identical)

Forest Cover Attribute – Inventory Component
(for all areas are subject to stocking standards, where the silviculture and inventory components are identical)

Layer (I [even-aged], 1, 2, 3, 4 [multi-layer])	Total Stems
Total Well Spaced*	Well Spaced*
Free Growing*	Average Total Basal Area per ha (>5m^2/ha)
Species	Species Percent**
Average Age	Average Height
Damage Agent	Incidence Percent
Incidence Area	

* Where only a Mature layer is present, report the average crop tree basal area per ha lieu of Total Well Spaced (TWS), Well Spaced (WS) and Free growing (FG) . Applicable for situations where leave tree stands does not specify WS and FG trees for mature layer.
** In relation to basal area for Layer 1; and to stem count for other layers.

Forest Cover – Inventory Component (not identical; areas with no SUs)

Forest Cover Attribute – Inventory Component
(for all areas not subject to stocking standards; or for areas subject to stocking standards where the silviculture and inventory components are not identical)

Layer (I [even-aged], 1, 2, 3, 4 [multi-layer])	Total
Average Total Basal Area per ha* (>5m^2/ha)	
Species	Species Percent*
Average Age	Average Height
Average Height	Damage Agent
Incidence Percent	Incidence Area

* In relation to basal area for Layer 1; and to stem count for other layers

Forest Cover – Silviculture Component

Forest Cover Attribute – Silviculture Component
(for all areas subject to stocking standards and inventory components are not identical)

Layer (S [even-aged], 1S, 2S, 3S, 4S [multi-layer])	Total Well Spaced*
Well-Spaced*	Free growing*
Average Crop Tree Basal Area per ha***	
Species**	Species Percent
Average Age	Average Height
Damage Agent	Incidence Percent
Incidence Area	

* Where only a Mature layer is present, report the average crop tree basal area per ha lieu of Total Well Spaced (TWS), Well Spaced (WS) and Free growing (FG) . Applicable for situations where leave tree stands does not specify WS and FG trees for mature layer.

** In relation to basal area for 1S; and to stem count for other layers

*** Basal area if >5m2/ha or is a part of stocking standard

Terms and Definitions – Multi-Layer Attributes

- Report Stocking Status by polygon for multi-layer stands for the cohort layer next in line for harvest – predominant layer with the highest site occupancy
- Dispersed reserves are reported as multi-layer stands where level of dispersed retention is >5m^2 per ha of residual basal area and are associated with a SU
- Site Index recorded for the leading species in the layer with highest volume or layer which is next to be harvested.
- Crown Closure is percentage of ground area covered by the vertically projected crowns of the tree cover for each inventory component the layer within the polygon

Terms and Definitions – Non Productive Areas

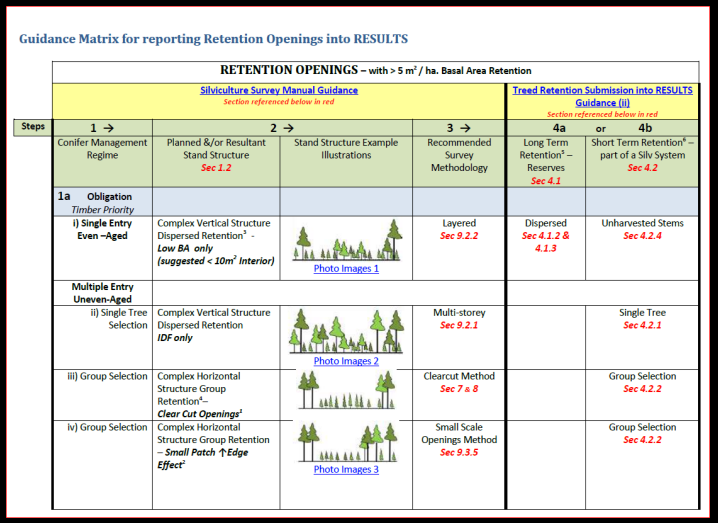
- Include non-productive areas, including roads, are mapped if it meets the minimum polygon size of 0.25ha. If it does not meeting minimum polygon size, the area may be reported as a non-mapped component.

- Include Polygon ID, area, stocking status, stocking type, and reference year. If species is recorded, age and height and inventory component only is required.

- Once reported at harvest, the reference year is the same at regeneration and free growing if the stocking has not changed.

Retention Openings – Guidance Matrix for Reporting

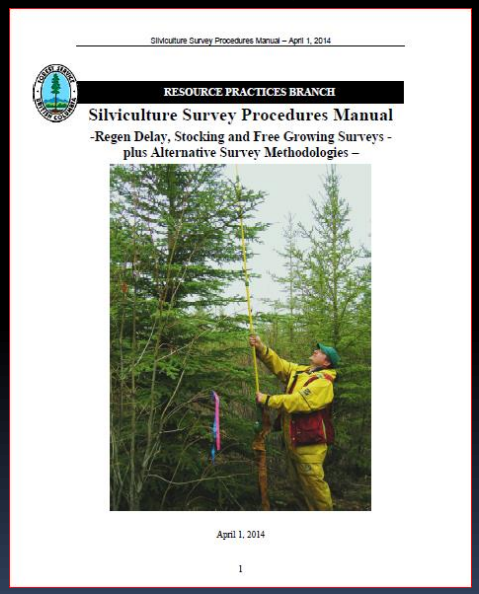
- Links Silviculture Survey Manual with Treed Retention Submission into RESULTS by Section based on applied examples.



Guidance Matrix for reporting Retention Openings into RESULTS

RETENTION OPENINGS – with > 5 m² / ha. Basal Area Retention

Steps	1 →	2 →		3 →	4a or 4b	
	Conifer Management Regime	Planned &/or Resultant Stand Structure *Sec 1.2*	Stand Structure Example Illustrations	Recommended Survey Methodology	Long Term Retention[3] – Reserves *Sec 4.1*	Short Term Retention[4] – part of a Silv System *Sec 4.2*
	Silviculture Survey Manual Guidance *Section referenced below in red*				**Treed Retention Submission into RESULTS Guidance (ii)** *Section referenced below in red*	
	1a Obligation *Timber Priority*					
	i) Single Entry Even –Aged	Complex Vertical Structure Dispersed Retention[3] - ***Low BA only (suggested < 10m² Interior)***	Photo Images 1	Layered *Sec 9.2.2*	Dispersed *Sec 4.1.2 & 4.1.3*	Unharvested Stems *Sec 4.2.4*
	Multiple Entry Uneven-Aged					
	ii) Single Tree Selection	Complex Vertical Structure Dispersed Retention ***IDF only***	Photo Images 2	Multi-storey *Sec 9.2.1*		Single Tree *Sec 4.2.1*
	iii) Group Selection	Complex Horizontal Structure Group Retention[4]– ***Clear Cut Openings[1]***		Clearcut Method *Sec 7 & 8*		Group Selection *Sec 4.2.2*
	iv) Group Selection	Complex Horizontal Structure Group Retention – ***Small Patch ↑Edge Effect[2]***	Photo Images 3	Small Scale Openings Method *Sec 9.3.5*		Group Selection *Sec 4.2.2*



Silviculture Survey Procedures Manual – April 1, 2014

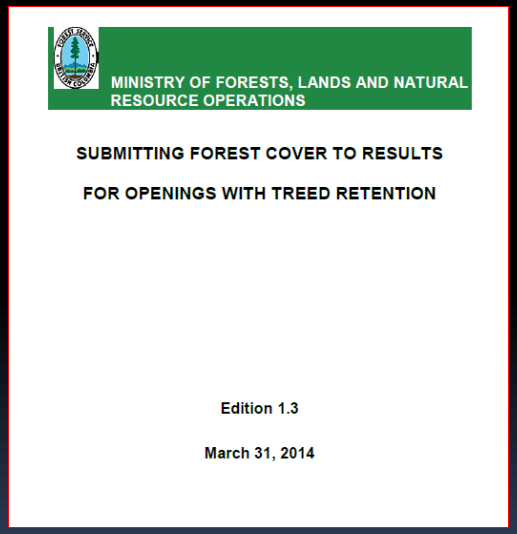
RESOURCE PRACTICES BRANCH

Silviculture Survey Procedures Manual

-Regen Delay, Stocking and Free Growing Surveys - plus Alternative Survey Methodologies –

April 1, 2014

1



MINISTRY OF FORESTS, LANDS AND NATURAL RESOURCE OPERATIONS

SUBMITTING FOREST COVER TO RESULTS FOR OPENINGS WITH TREED RETENTION

Edition 1.3

March 31, 2014

https://www.for.gov.bc.ca/hfp/silviculture/FINAL%20Retention%20Reporting%20Matrix.pdf
https://www.for.gov.bc.ca/hfp/silviculture/Silviculture%20Survey%20Procedures%20Manual_FINAL_2014.pdf
https://www.for.gov.bc.ca/his/results/Forest_Cover_Retention_Submissions_March%2031%202014_FINAL.pdf

Retention Openings – Guidance Matrix for Reporting

https://www.for.gov.bc.ca/hfp/silviculture/FINAL%20Retention%20Reporting%20Matrix.pdf

Guidance Matrix for reporting Retention Openings into RESULTS

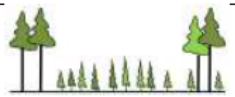
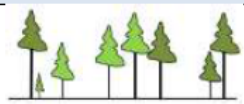
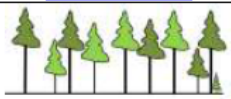
RETENTION OPENINGS – with > 5 m² / ha. Basal Area Retention

Steps	Silviculture Survey Manual Guidance (Section referenced below in red)				Treed Retention Submission into RESULTS Guidance (ii) (Section referenced below in red)	
	1 →	2 →		3 →	4a	or 4b
	Conifer Management Regime	Planned &/or Resultant Stand Structure *Sec 1.2*	Stand Structure Example Illustrations	Recommended Survey Methodology	Long Term Retention[5] – Reserves *Sec 4.1*	Short Term Retention[6] – part of a Silv System *Sec 4.2*
	1a Obligation *Timber Priority*					
	i) Single Entry Even –Aged	Complex Vertical Structure Dispersed Retention[3] - ***Low BA only (suggested < 10m² Interior)***	Photo Images 1	Layered *Sec 9.2.2*	Dispersed *Sec 4.1.2 & 4.1.3*	Unharvested Stems *Sec 4.2.4*
	Multiple Entry Uneven-Aged					
	ii) Single Tree Selection	Complex Vertical Structure Dispersed Retention ***IDF only***	Photo Images 2	Multi-storey *Sec 9.2.1*		Single Tree *Sec 4.2.1*
	iii) Group Selection	Complex Horizontal Structure Group Retention[4]– ***Clear Cut Openings[1]***		Clearcut Method *Sec 7 & 8*		Group Selection *Sec 4.2.2*
	iv) Group Selection	Complex Horizontal Structure Group Retention – ***Small Patch ↑Edge Effect[2]***	Photo Images 3	Small Scale Openings Method *Sec 9.3.5*		Group Selection *Sec 4.2.2*

Retention Openings – Guidance Matrix for Reporting

https://www.for.gov.bc.ca/hfp/silviculture/FINAL%20Retention%20Reporting%20Matrix.pdf

RETENTION OPENINGS – with > 5 m² / ha. Basal Area Retention

Steps	Silviculture Survey Manual Guidance (Section referenced below in red) 1 →	2 →		3 →	Treed Retention Submission into RESULTS Guidance (ii) (Section referenced below in red) 4a	or 4b
	1b Obligation *Non-Timber Priority*					
	i) Single Entry Even -Aged	Complex Vertical Structure Dispersed Retention ***< 20 m² Interior*** ***< 40 m² Coast***	Photo Images 4	SEDRSS or DFP *Sec 9.2.4*	Dispersed *Sec 4.1.2 & 4.1.3*	Unharvested Stems *Sec 4.2.4*
	Multiple Entry Uneven-Aged					
	ii) Single Tree Selection	Complex Vertical Structure Dispersed Retention ***(IDF only***		Multi-storey *Sec 9.2.1*		Single Tree *Sec 4.2.1*
	iii) Group Selection	Complex Horizontal Structure Group Retention	 Photo Images 5	Clearcut Method *Sec 7 & 8 OR* Small Scale Openings Method *Sec 9.3.5*		Group Selection *4.2.2*
	1c No Regen Obligation ***≥ 20 m² Interior*** ***≥ 40 m² Coast***					
	i) Intermediate Cut, (WF Interface & Ecosystem Restoration)	Complex Horizontal Structure Dispersed Retention	 Photo Images 6	Commercial Thin *Sec 9.3.2.1*		No Regen Objectives *Sec 4.2.3*
	ii) Commercial Thin	Complex Horizontal Structure Dispersed Retention	 Photo Images 7	Commercial Thin *Sec 9.3.2.1*		No Regen Objectives *Sec 4.2.3*

Forest Cover Reporting and VRIMS

RESULTS Forest Cover Reporting is used for VRIMS updates.

Poor Quality Data impacts on VRIMS reporting in terms of increased workload in the Quality Assurance process

“G” will remain for polygon only (no dissolving) unless inventory component is provided.

“D” will get dissolved and update will be reflected based on forest cover attribution.

Error Forest Cover reporting
Reserve coding

- Important to correctly identify “G” vs. “D”
- “D” Dispersed must have SU and must have forest cover inventory/silviculture components
- “G” must not be used for any NAR areas (no NSR, IMM), incorrectly classified and should not be included in WTP%
- Reserve Polygons missing “G” coding will get dissolved in VRI process and not be included as apart of WTP%. Must ensure “G” and objective codes are correctly used. (Reserves will not count and be considered for available for harvest).
- Reserve codes should not be on NP or Roads. Will not be dissolved during VRI update and incorrectly identified as WTP.

Error Forest Cover reporting Impact to VRIMS Attribute errors

- Age/height discrepancies caused by reversal of numbers, typos
- Incomplete attributes, most often associated with reserve polygons.
  - Only provide best attribute information for inventory only for MAT/NAT.
  - If information is not better, then only provide for polygon MAT/NAT component only for the reserve (then no dissolving and retain previous inventory)
- Incorrect usage of MAT when it is IMM.
- Missing residual stems will be missed in inventory and cannot contribute to future timber supply.
- "D" reserve code polygon with residual stems must be fully attributed.
- Missing total stems with NAR
- NP/UNN to be used for roads and landings only and will be dissolved. NP/NAT must have correct attributes.
- Reference year must be later than harvesting date.

Error Forest Cover reporting Impact to VRIMS Spatial errors

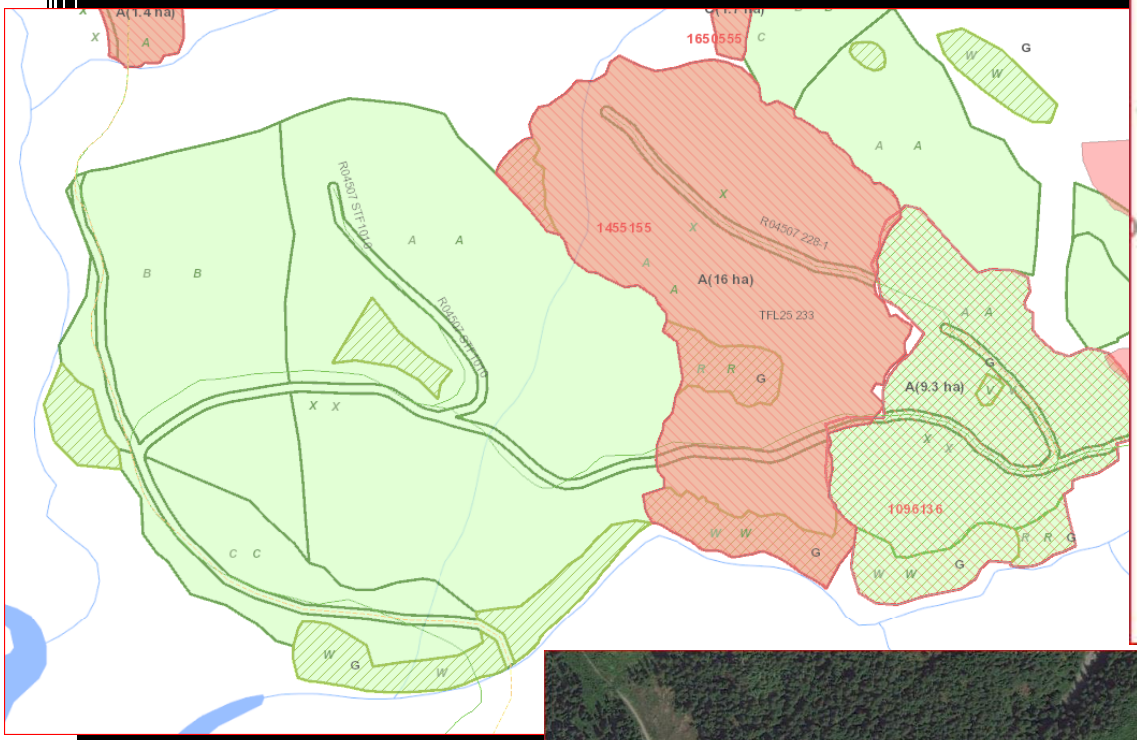
- “Slivers and overlaps (along road tubes) will cause VRIMS process to fail. Ensure that features with shared boundary, the vertices must be identical in both geometries to ensure no slivers or overlaps.
- Links between spatial polygons and attributes are incorrect.
- Forest cover spatial does not match imagery
- Forest cover overlaps between openings.

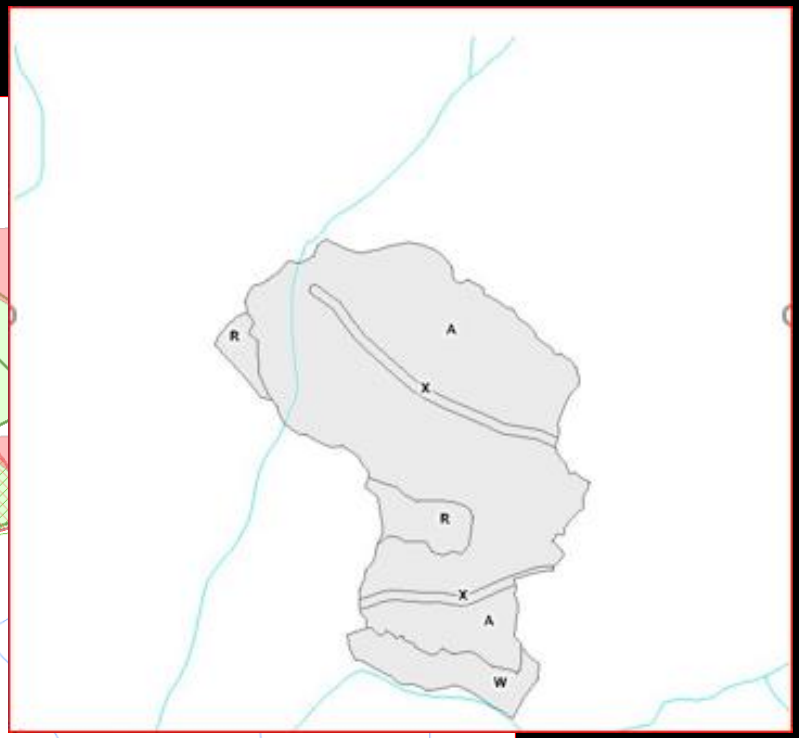
Examples of Treed Retention Reporting

Caveat: examples are what is in RESULTS but may not meet new standards

Goal: Consistency in FC reporting

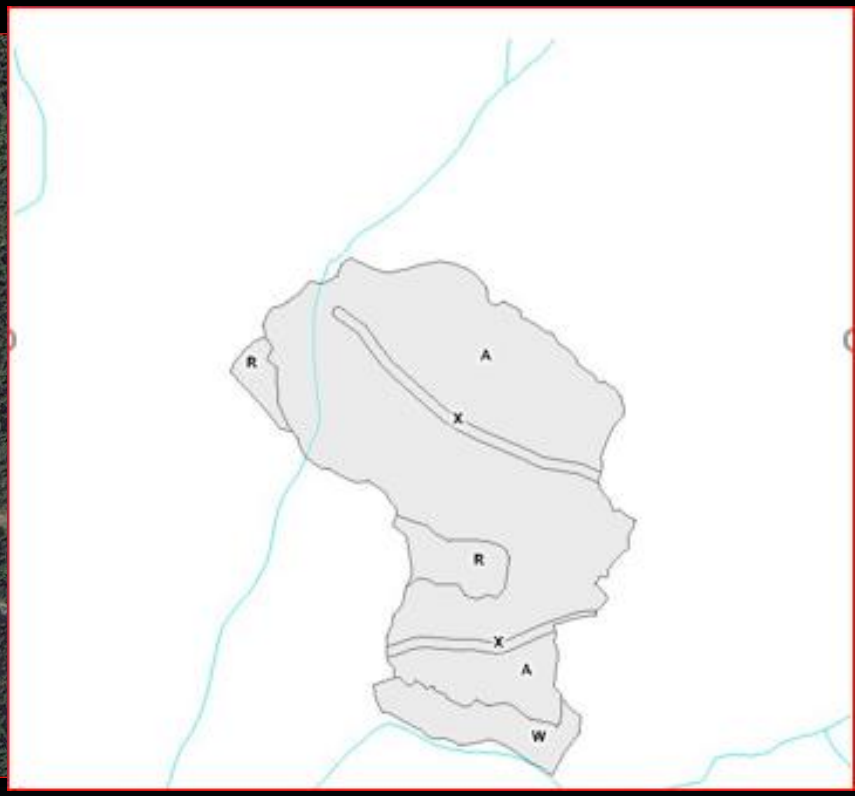
Simple Clearcut Even Age





Simple Clearcut Even Age

Opening ID: 1455155 One SU; CLEAR, CCRES; FC Poly A-IMM; R – Group/OTH; W-G/WTR



Last Action Date: 2013-07-25 Comments: No Forest Cover Map 5 rows returned

SU	Polygon ID	Non-Mapped Area	Layer	Polygon Area		Stocking		Reference Year	Species Code		Stems/ha			
				Gross	Net	Stat	Type				Total	Total Well Spaced	Well Spaced	Free Growing
A	A		I	16	16	IMM	ART	2012	CW		962			
A	A		S	16	16	IMM	ART	2012	CW			0	900	0
	R		I	1.3	1.3	MAT	NAT	2012	CW	HW				
	W		I	1.5	1.5	MAT	NAT	2012	CW	HW				
	X			1	1	NP	UNN	2012						

Simple Clearcut Even Age

Opening ID: 1455155 One SU; CLEAR, CCRES; FC Poly A-IMM; R – Group/OTH; W-G/WTR

Last Action Date:	2013-07-25 11:31:57 AM	Comments:	No		
SU:	A	Forest Cover ID:	2932289	Polygon :	A
Gross Area(ha):	16	Net Area(ha):	16		
Reference Year:	2012	Reserve Type:		Reserve Objective:	
Site Class:		Site Index:	24	Site Index Source:	E - SI from Biogeoclimatic Ecosystem Classification
Stocking Status:	IMM - Immature	Stocking Type:	ART - Artificial	SI Species:	CW - western redcedar
Tree Cover Pattern:				Re-Entry Year:	

Non Mapped Area

Id	Area	Status	Type

Layer I Inventory Layer

	Species	%	Average Age	Average Height
1	CW - western redcedar	100	1	0.3

Crown Closure:	1	Basal Area			
Stems/ha Total	962	Total Well Spaced		Well Spaced	Free Growing

Damage Agent	%	Area

Layer S Silviculture Layer - even aged

	Species	%	Average Age	Average Height
1	CW - western redcedar	100	1	0.3

Crown Closure:		Basal Area					
Stems/ha Total		Total Well Spaced	0	Well Spaced	900	Free Growing	0

Last Action Date:	2013-07-25 11:31:57 AM	Comments:	No		
SU:		Forest Cover ID:	2932290	Polygon :	R
Gross Area(ha):	1.3	Net Area(ha):	1.3		
Reference Year:	2012	Reserve Type:	G - Group	Reserve Objective:	OTH - Other
Site Class:		Site Index:		Site Index Source:	
Stocking Status:	MAT - Mature	Stocking Type:	NAT - Natural	SI Species:	CW - western redcedar
Tree Cover Pattern:				Re-Entry Year:	

Non Mapped Area

Id	Area	Status	Type

Layer I Inventory Layer

	Species	%	Average Age	Average Height
1	CW - western redcedar	50	250	38
2	HW - western hemlock	50		

Crown Closure:	60	Basal Area			
Stems/ha Total		Total Well Spaced		Well Spaced	Free Growing

Last Action Date:	2013-07-25 11:31:57 AM	Comments:	No		
SU:		Forest Cover ID:	2932291	Polygon :	W
Gross Area(ha):	1.5	Net Area(ha):	1.5		
Reference Year:	2012	Reserve Type:	G - Group	Reserve Objective:	WTR - Wildlife Tree Retention Goals
Site Class:		Site Index:		Site Index Source:	
Stocking Status:	MAT - Mature	Stocking Type:	NAT - Natural	SI Species:	CW - western redcedar
Tree Cover Pattern:				Re-Entry Year:	

Non Mapped Area

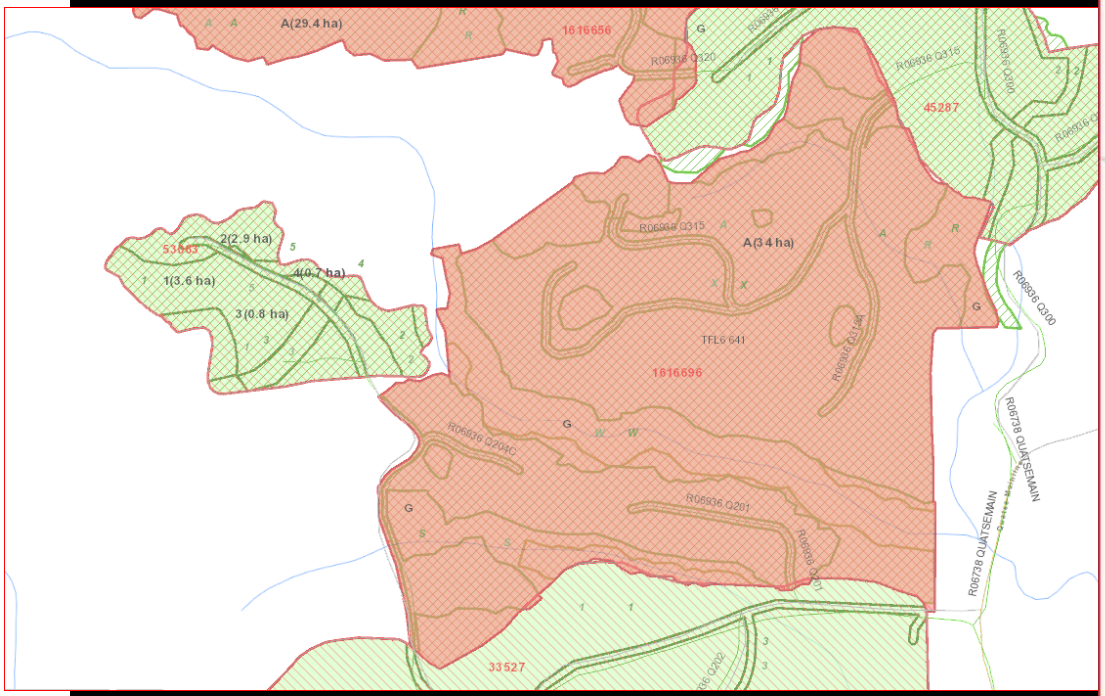
Id	Area	Status	Type

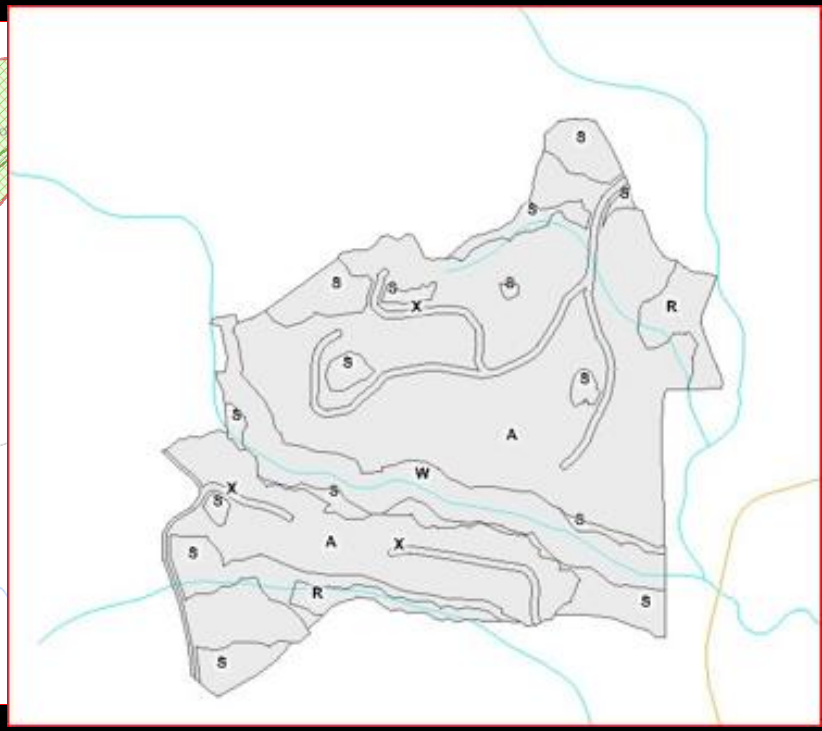
Layer I Inventory Layer

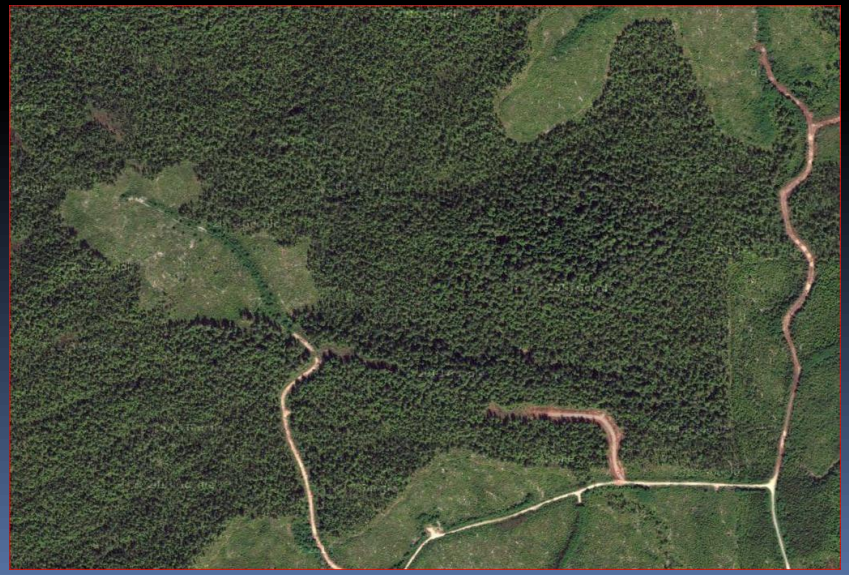
	Species	%	Average Age	Average Height
1	CW - western redcedar	50	250	38
2	HW - western hemlock	50		

Crown Closure:	60	Basal Area			
Stems/ha Total		Total Well Spaced		Well Spaced	Free Growing

Retention

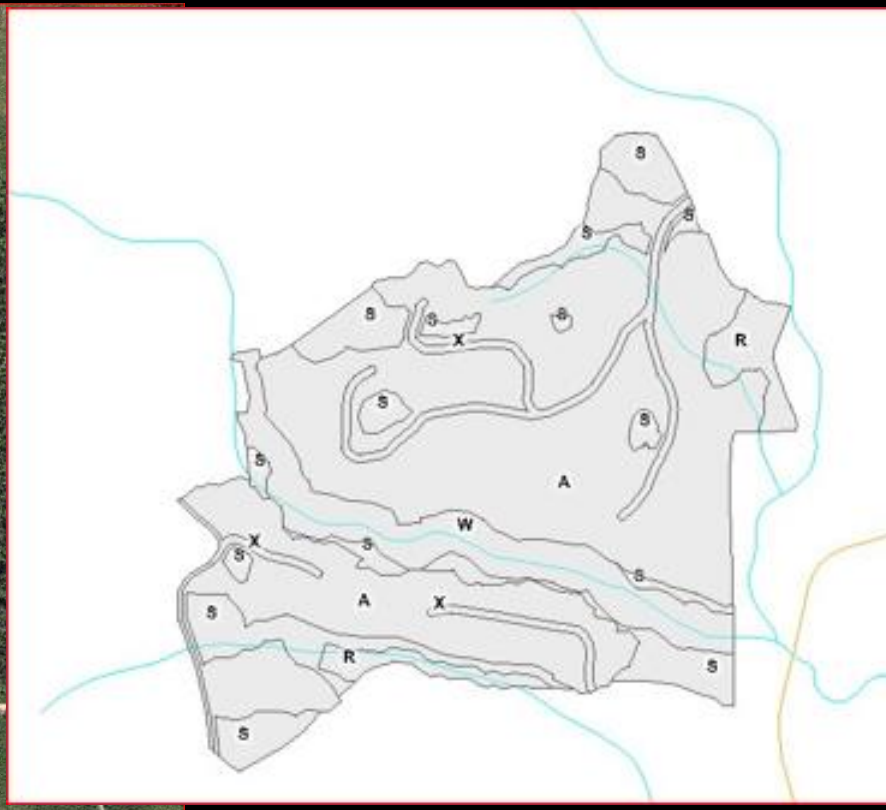

A(29.4 ha)
1616656
45287
A(34 ha)
2(2.9 ha)
1(3.6 ha)
4(0.7 ha)
3(0.8 ha)
TFL6 641
1616696
33527
R06738 QUATSEMAIN





Retention

Opening ID: 1616696 One SU; Reten, “A” –NSR, “R”– G/WTR, “S”-G/WTP, “W”-G/TIM



Last Action Date: 2014-07-08 Comments: No Forest Cover Map 5 rows returned

SU	Polygon ID	Non-Mapped Area	Layer	Polygon Area		Stocking		Reference Year	Species Code			Stems/ha			
				Gross	Net	Stat	Type					Total	Total Well Spaced	Well Spaced	Free Growing
A	A			34	34	NSR	PL	2013							
	R		I	2.3	2.3	MAT	NAT	2013	CW	HW	YC	200			
	S		I	8.8	8.8	MAT	NAT	2013	CW	HW	YC	200			
	W		I	5.6	5.6	MAT	NAT	2013	CW	HW	YC	200			
	X			2.7	2.7	NP	UNN	2013							

Retention
Opening ID: 1616696 One SU; Reten, "A" –NSR, "R"– G/WTR, "S"-G/WTP, "W"-G/TIM

Poly "A" should come in as multi-layer at regen
Should be "D" ???

Last Action Date:	2014-07-08 01:25:34 PM	Comments:	No		
SU:	A	Forest Cover ID:	3112811	Polygon :	A
Gross Area(ha):	34	Net Area(ha):	34		
Reference Year:	2013	Reserve Type:	N - No Reserve	Reserve Objective:	
Site Class:		Site Index:	23	Site Index Source:	E - SI from Biogeoclimatic Ecosystem Classification
Stocking Status:	NSR - Not Satisfactorily Restocked	Stocking Type:	PL - Plantable	SI Species:	CW - western redcedar
Tree Cover Pattern:				Re-Entry Year:	

Non Mapped Area

Id	Area	Status	Type

Last Action Date:	2014-07-08 01:25:38 PM	Comments:	No		
SU:		Forest Cover ID:	3112810	Polygon :	R
Gross Area(ha):	2.3	Net Area(ha):	2.3		
Reference Year:	2013	Reserve Type:	G - Group	Reserve Objective:	WTR - Wildlife Tree Retention Goals
Site Class:		Site Index:	16	Site Index Source:	O - SI from provincial SIBEC rollover, Nov 1998
Stocking Status:	MAT - Mature	Stocking Type:	NAT - Natural	SI Species:	CW - western redcedar
Tree Cover Pattern:				Re-Entry Year:	

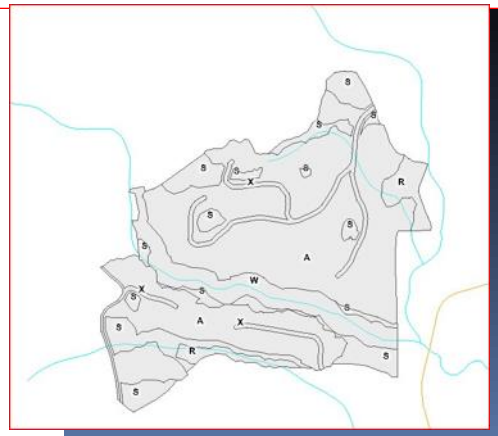
Non Mapped Area

Id	Area	Status	Type

Layer I Inventory Layer

	Species	%	Average Age	Average Height
1	CW - western redcedar	70	251	30
2	HW - western hemlock	20	251	30
3	YC - yellow-cedar	10	251	30

Crown Closure:	60	Basal Area			
Stems/ha Total	200	Total Well Spaced		Well Spaced	Free Growing



Last Action Date:	2014-07-08 01:25:38 PM	Comments:	No		
SU:		Forest Cover ID:	3112808	Polygon :	S
Gross Area(ha):	8.8	Net Area(ha):	8.8		
Reference Year:	2013	Reserve Type:	G - Group	Reserve Objective:	WTR - Wildlife Tree Retention Goals
Site Class:		Site Index:	16	Site Index Source:	O - SI from provincial SIBEC rollover, Nov 1998
Stocking Status:	MAT - Mature	Stocking Type:	NAT - Natural	SI Species:	CW - western redcedar
Tree Cover Pattern:				Re-Entry Year:	

Non Mapped Area

Id	Area	Status	Type

Layer I Inventory Layer

	Species	%	Average Age	Average Height
1	CW - western redcedar	70	251	30
2	HW - western hemlock	20	251	30
3	YC - yellow-cedar	10	251	30

Crown Closure:	60	Basal Area			
Stems/ha Total	200	Total Well Spaced		Well Spaced	Free Growing

Last Action Date:	2014-07-08 01:25:38 PM	Comments:	No		
SU:		Forest Cover ID:	3112809	Polygon :	W
Gross Area(ha):	5.6	Net Area(ha):	5.6		
Reference Year:	2013	Reserve Type:	G - Group	Reserve Objective:	TIM - Timber management
Site Class:		Site Index:	16	Site Index Source:	O - SI from provincial SIBEC rollover, Nov 1998
Stocking Status:	MAT - Mature	Stocking Type:	NAT - Natural	SI Species:	CW - western redcedar
Tree Cover Pattern:				Re-Entry Year:	

Non Mapped Area

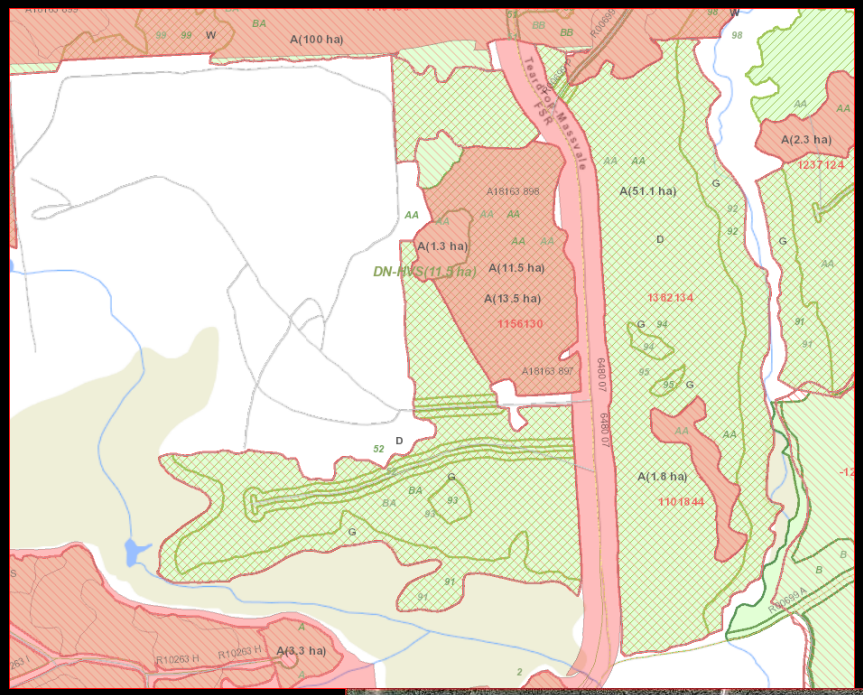
Id	Area	Status	Type

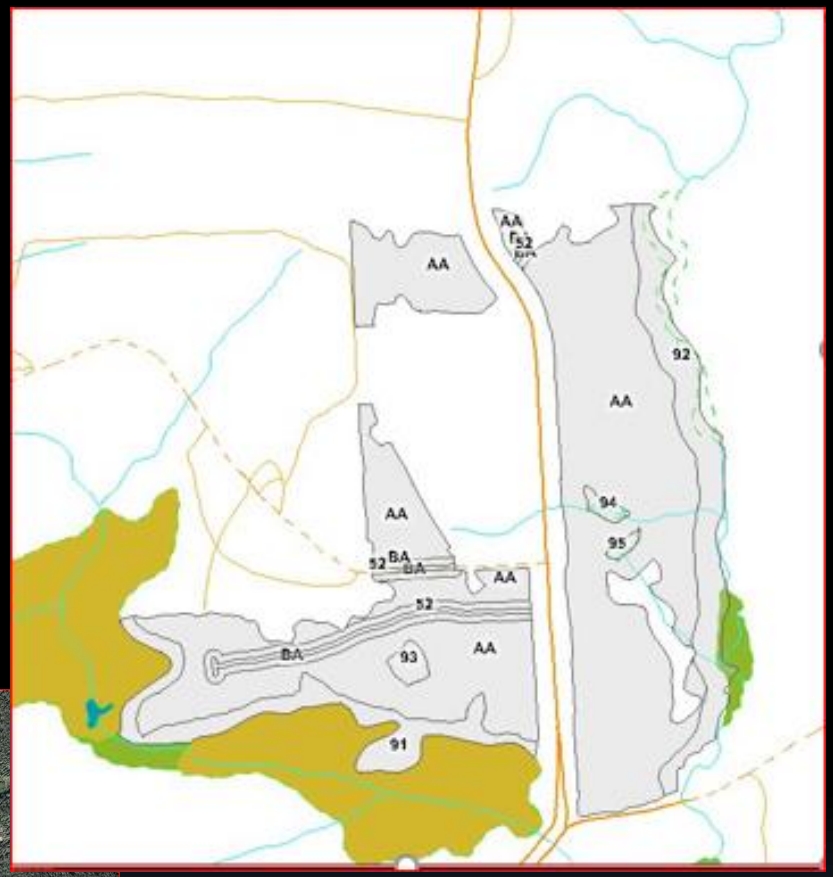
Layer I Inventory Layer

	Species	%	Average Age	Average Height
1	CW - western redcedar	70	251	30
2	HW - western hemlock	20	251	30
3	YC - yellow-cedar	10	251	30

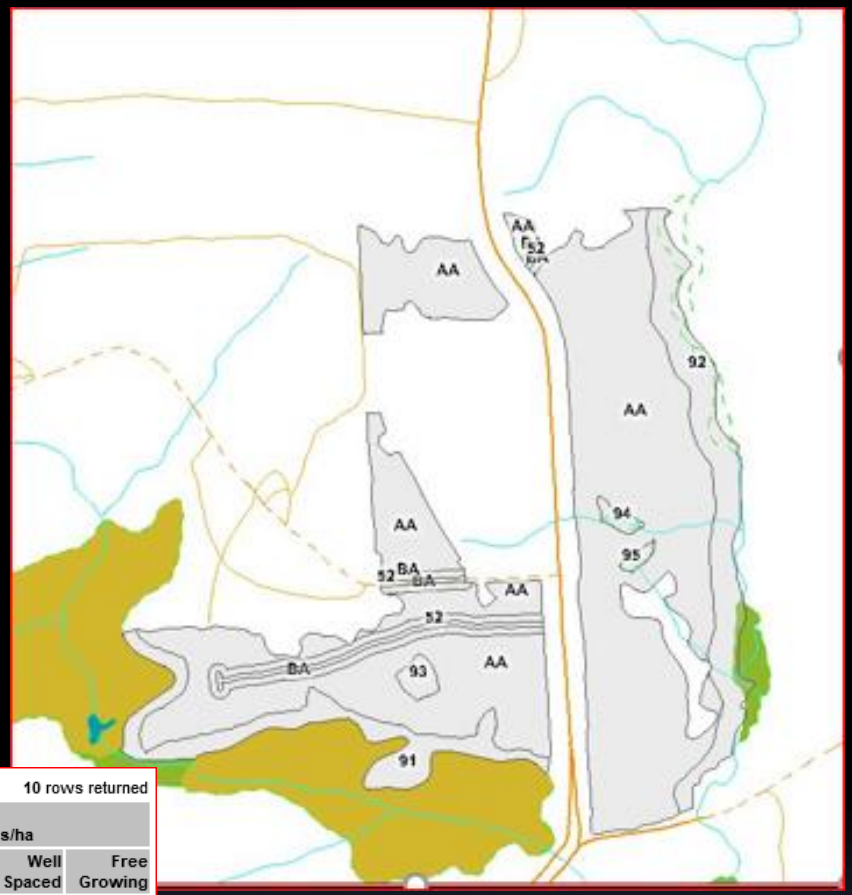
Crown Closure:	60	Basal Area			
Stems/ha Total	200	Total Well Spaced		Well Spaced	Free Growing

Clearcut with Dispersed Reserves





Clearcut with Dispersed Reserves
Opening ID: 1382134 Two SU, Clear, Poly “91-95” G/Bio, Poly “AA”, “BA” D/WTR



10 rows returned

SU	Polygon ID	Non-Mapped Area	Layer	Polygon Area		Stocking		Reference Year	Species Code		Stems/ha			
				Gross	Net	Stat	Type				Total	Total Well Spaced	Well Spaced	Free Growing
	52			.9	.9	NP	UNN	2010						
	91			4.9	4.9	MAT	NAT	2010						
	92			6.9	6.9	MAT	NAT	2010						
	93			.5	.5	MAT	NAT	2010						
	94			.3	.3	MAT	NAT	2010						
	95			.2	.2	MAT	NAT	2010						
A	AA		I	48.3	48.3	IMM	ART	2012	PLI	SX	1410	1200		
A	AA		S	48.3	48.3	IMM	ART	2012	PLI	SX		1410		
A	BA		I	2.8	2.8	IMM	ART	2013	PLI	SX	1475	1185		
A	BA		S	2.8	2.8	IMM	ART	2013	PLI	SX		1185	1185	

Clearcut with Dispersed Reserves
Opening ID: 1382134 Two SU, Clear, Poly “91-95” G/Bio, Poly “AA”, “BA” D/WTR

Last Action Date:	2014-05-29 01:12:46 PM	Comments:	No		
SU:	A	Forest Cover ID:	3100529	Polygon :	BA
Gross Area(ha):	2.8	Net Area(ha):	2.8		
Reference Year:	2013	Reserve Type:	D - Dispersed	Reserve Objective:	WTR - Wildlife Tree Retention Goals
Site Class:		Site Index:	21	Site Index Source:	E - SI from Biogeoclimatic Ecosystem Classification
Stocking Status:	IMM - Immature	Stocking Type:	ART - Artificial	SI Species:	PLI - lodgepole pine
Tree Cover Pattern:				Re-Entry Year:	

Non Mapped Area

Id	Area	Status	Type

Layer I Inventory Layer

	Species	%	Average Age	Average Height
1	PLI - lodgepole pine	72	1	0.2
2	SX - spruce hybrid	28	1	0.3

Crown Closure:		Basal Area			
Stems/ha Total	1475	Total Well Spaced	1185	Well Spaced	Free Growing

Damage Agent	%	Area

Layer S Silviculture Layer - even aged

	Species	%	Average Age	Average Height
1	PLI - lodgepole pine	72	1	0.2
2	SX - spruce hybrid	28	1	0.3

Crown Closure:		Basal Area			
Stems/ha Total		Total Well Spaced	1185	Well Spaced	1185 Free Growing

Last Action Date:	2014-05-29 01:12:46 PM	Comments:	No		
SU:	A	Forest Cover ID:	3100528	Polygon :	AA
Gross Area(ha):	48.3	Net Area(ha):	48.3		
Reference Year:	2012	Reserve Type:	D - Dispersed	Reserve Objective:	WTR - Wildlife Tree Retention Goals
Site Class:		Site Index:	21	Site Index Source:	E - SI from Biogeoclimatic Ecosystem Classification
Stocking Status:	IMM - Immature	Stocking Type:	ART - Artificial	SI Species:	PLI - lodgepole pine
Tree Cover Pattern:				Re-Entry Year:	

Non Mapped Area

Id	Area	Status	Type

Layer I Inventory Layer

	Species	%	Average Age	Average Height
1	PLI - lodgepole pine	75	1	0.2
2	SX - spruce hybrid	25	1	0.3

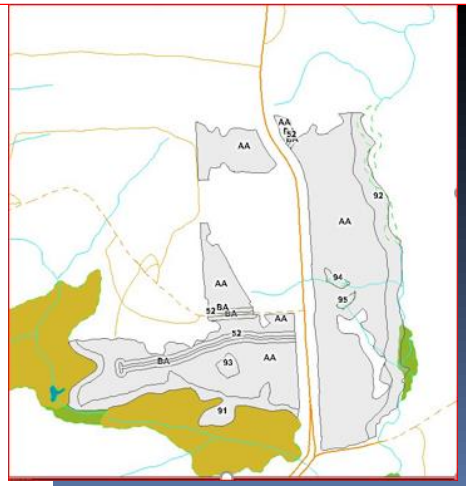
Crown Closure:		Basal Area			
Stems/ha Total	1410	Total Well Spaced	1200	Well Spaced	Free Growing

Damage Agent	%	Area

Layer S Silviculture Layer - even aged

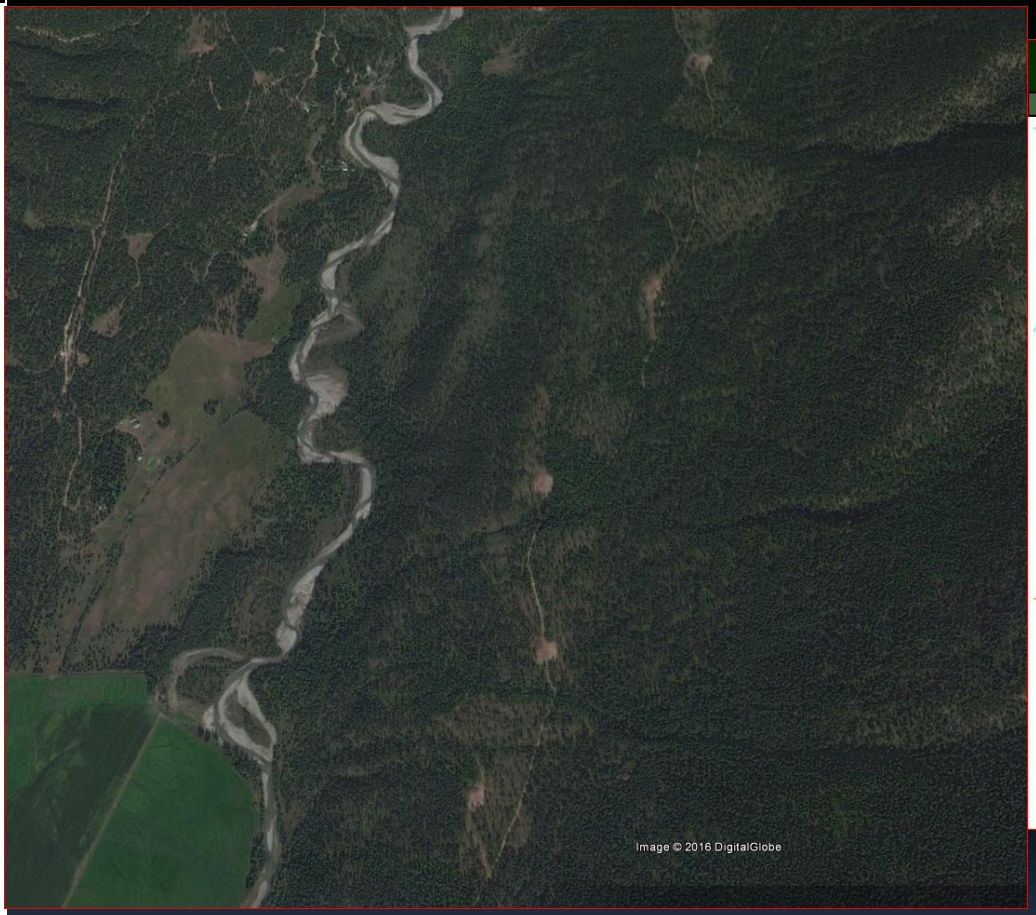
	Species	%	Average Age	Average Height
1	PLI - lodgepole pine	75	1	0.2
2	SX - spruce hybrid	25	1	

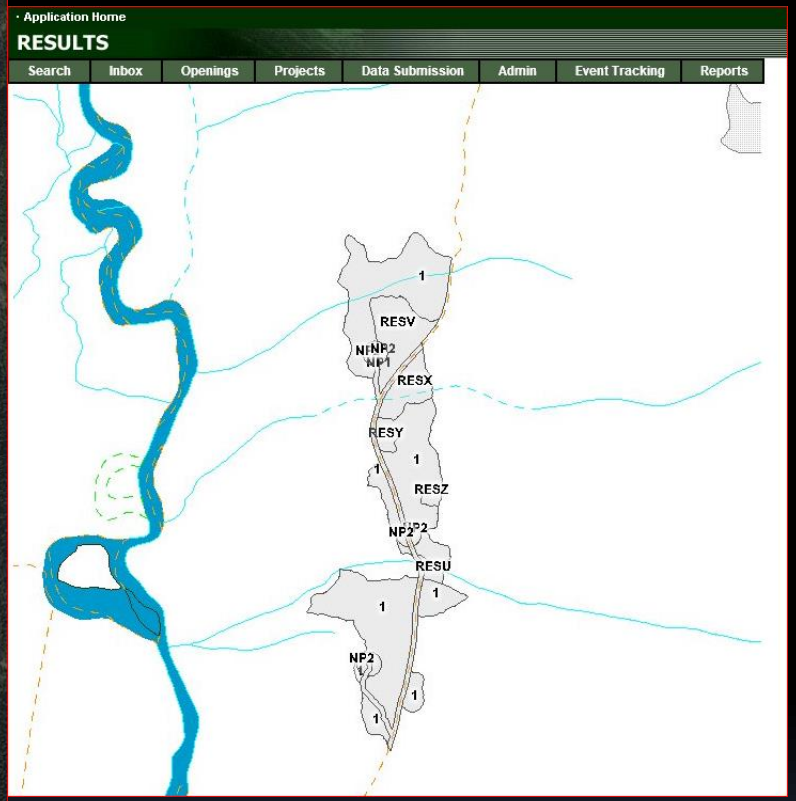
Crown Closure:		Basal Area			
Stems/ha Total	1410	Total Well Spaced	1410	Well Spaced	Free Growing



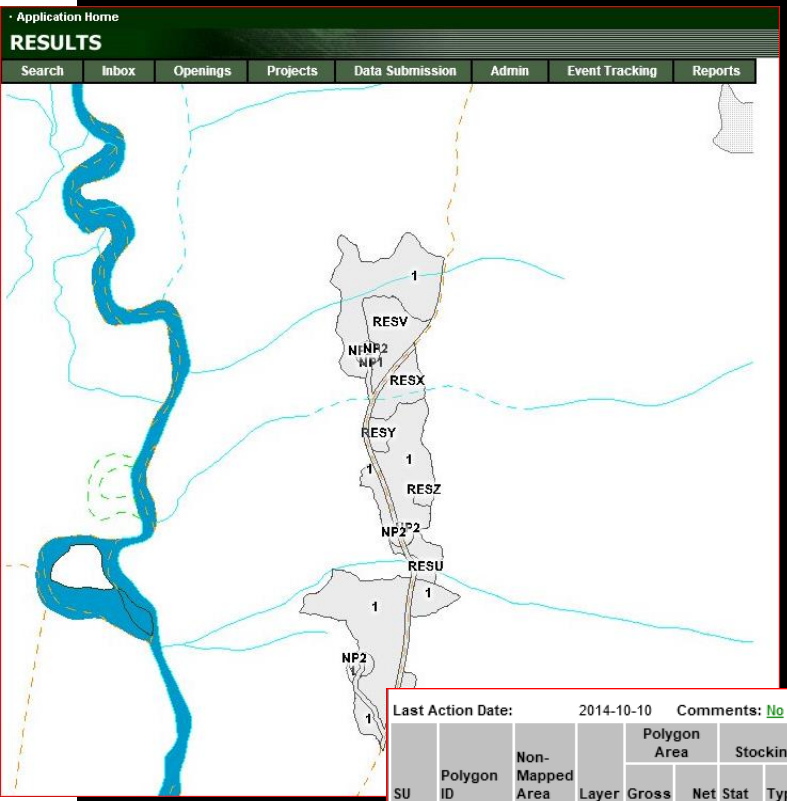
Last Action Date:	2014-05-29 01:12:20 PM	Comments:	No		
SU:		Forest Cover ID:	3100534	Polygon :	95
Gross Area(ha):	0.2	Net Area(ha):	0.2		
Reference Year:	2010	Reserve Type:	G - Group	Reserve Objective:	BIO - Biodiversity
Site Class:		Site Index:		Site Index Source:	
Stocking Status:	MAT - Mature	Stocking Type:	NAT - Natural	SI Species:	PLI - lodgepole pine
Tree Cover Pattern:				Re-Entry Year:	

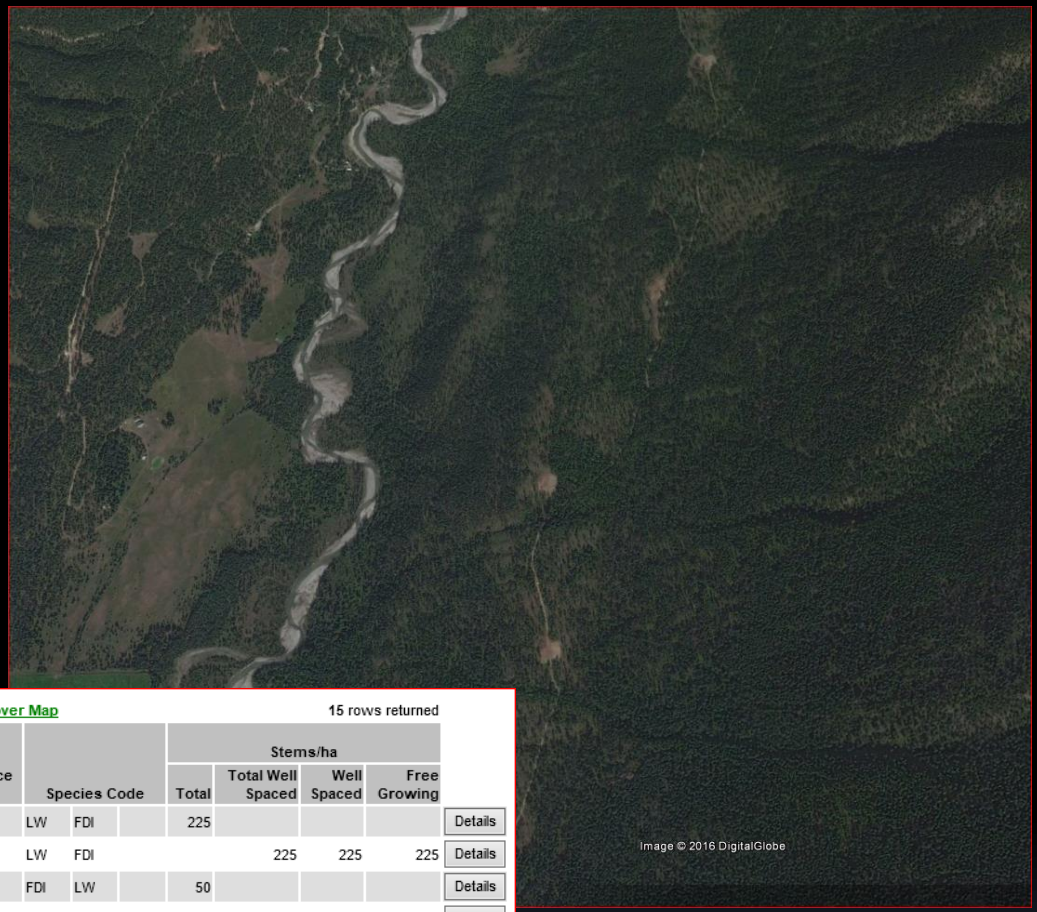
Clearcut with Dispersed Multi-Layer





Clearcut with Dispersed Layer
Opening ID: 1595437 1 SU, CCRES, Poly “1”- D/OTH, Poly “RES U-Z”- G/WTR





Last Action Date: 2014-10-10 Comments: No Forest Cover Map 15 rows returned

SU	Polygon ID	Non-Mapped Area	Layer	Polygon Area		Stocking		Reference Year	Species Code			Stems/ha				
				Gross	Net	Stat	Type					Total	Total Well Spaced	Well Spaced	Free Growing	
1	1		1	15.4	15.4	IMM	NAT	2014	LW	FDI		225				Details
1	1		1S	15.4	15.4	IMM	NAT	2014	LW	FDI			225	225	225	Details
1	1		2	15.4	15.4	IMM	NAT	2014	FDI	LW		50				Details
1	1		2S	15.4	15.4	IMM	NAT	2014	FDI	LW			25	25	25	Details
1	1		3	15.4	15.4	IMM	NAT	2014	FDI			363				Details
1	1		3S	15.4	15.4	IMM	NAT	2014	FDI				113	113	113	Details
1	1		4	15.4	15.4	IMM	NAT	2014	FDI			1675				Details
1	1		4S	15.4	15.4	IMM	NAT	2014	FDI				238	238	0	Details
	NP1			1.8	1.8	NP	UNN	2014								Details
	NP2			0.7	0.7	NP	UNN	2014								Details
	RESU		I	0.2	0.2	MAT	NAT	2014	FDI	LW	PLI	965				Details
	RESV		I	2	2	MAT	NAT	2014	LW	FDI		546				Details
	RESX		I	1.2	1.2	MAT	NAT	2014	LW	FDI	PLI	649				Details
	RESY		I	0.3	0.3	MAT	NAT	2014	FDI	LW	PLI	974				Details
	RESZ		I	0.2	0.2	MAT	NAT	2014	FDI	LW	PLI	974				Details

Clearcut with Dispersed Multi-Layer
Opening ID: 1595437 1 SU, CCRES, Poly “1”- D/OTH, Poly “RES U-Z”- G/WTR

Last Action Date:	2014-10-10 11:21:00 AM	Comments:	No		
SU:	1	Forest Cover ID:	3145988	Polygon :	1
Gross Area(ha):	15.4	Net Area(ha):	15.4		
Reference Year:	2014	Reserve Type:	D - Dispersed	Reserve Objective:	OTH - Other
Site Class:		Site Index:	19	Site Index Source:	E - SI from Biogeoclimatic Ecosystem Classification
Stocking Status:	IMM - Immature	Stocking Type:	NAT - Natural	SI Species:	FDI - interior Douglas-fir
Tree Cover Pattern:				Re-Entry Year:	

Non Mapped Area

Id	Area	Status	Type

Layer 1 Mature

	Species	%	Average Age	Average Height
1	LW - western larch	67	114	22.5
2	FDI - interior Douglas-fir	33	114	22.5

Crown Closure:	10	Basal Area			
Stems/ha Total	225	Total Well Spaced		Well Spaced	Free Growing

Damage Agent	%	Area

Layer 1S Silviculture Layer 1 - uneven aged

	Species	%	Average Age	Average Height
1	LW - western larch	75	114	22.5
2	FDI - interior Douglas-fir	25	114	22.5

Layer 2 Pole

	Species	%	Average Age	Average Height
1	FDI - interior Douglas-fir	75	87	13.2
2	LW - western larch	25	87	13.2

Crown Closure:	1	Basal Area			
Stems/ha Total	50	Total Well Spaced		Well Spaced	Free Growing

Damage Agent	%	Area

Layer 2S Silviculture Layer 2 - uneven aged

	Species	%	Average Age	Average Height
1	FDI - interior Douglas-fir	75	87	13.2
2	LW - western larch	25	87	13.2

Crown Closure:		Basal Area					
Stems/ha Total		Total Well Spaced	25	Well Spaced	25	Free Growing	25

Damage Agent	%	Area

Layer 3 Sapling

	Species	%	Average Age	Average Height
1	FDI - interior Douglas-fir	100	28	2.1

Crown Closure:	5	Basal Area			
Stems/ha Total	363	Total Well Spaced		Well Spaced	Free Growing

Damage Agent	%	Area

Layer 3S Silviculture Layer 3 - uneven aged

	Species	%	Average Age	Average Height
1	FDI - interior Douglas-fir	100	28	2.1

Crown Closure:		Basal Area					
Stems/ha Total		Total Well Spaced	113	Well Spaced	113	Free Growing	113

Damage Agent	%	Area

Layer 4 Regen

	Species	%	Average Age	Average Height
1	FDI - interior Douglas-fir	100	6	0.6

Crown Closure:	1	Basal Area			
Stems/ha Total	1675	Total Well Spaced		Well Spaced	Free Growing

Clearcut with Dispersed Multi-Storey
Opening ID: 1595437 1 SU, CCRES, Poly "1"- D/OTH, Poly "RES U-Z"- G/WTR

Last Action Date:	2014-10-10 11:21:00 AM	Comments:	No		
SU:		Forest Cover ID:	3145993	Polygon :	RESU
Gross Area(ha):	0.2	Net Area(ha):	0.2		
Reference Year:	2014	Reserve Type:	G - Group	Reserve Objective:	WTR - Wildlife Tree Retention Goals
Site Class:		Site Index:	18	Site Index Source:	H - SI from stand before harvest
Stocking Status:	MAT - Mature	Stocking Type:	NAT - Natural	SI Species:	FDI - interior Douglas-fir
Tree Cover Pattern:				Re-Entry Year:	

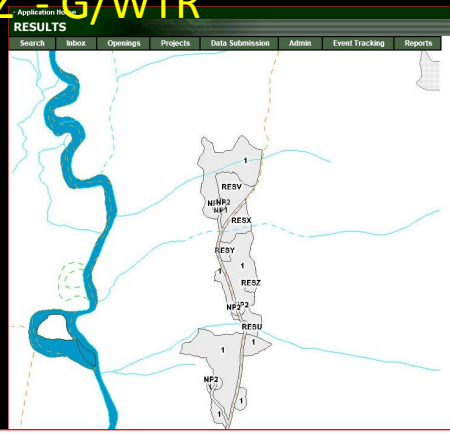
Non Mapped Area

Id	Area	Status	Type

Layer I Inventory Layer

	Species	%	Average Age	Average Height
1	FDI - interior Douglas-fir	70	83	22.8
2	LW - western larch	20		
3	PLI - lodgepole pine	10		

Crown Closure:	60	Basal Area		
Stems/ha Total	965	Total Well Spaced	Well Spaced	Free Gro



Last Action Date:	2014-10-10 11:21:00 AM	Comments:	No		
SU:		Forest Cover ID:	3145994	Polygon :	RESV
Gross Area(ha):	2	Net Area(ha):	2		
Reference Year:	2014	Reserve Type:	G - Group	Reserve Objective:	WTR - Wildlife Tree Retention Goals
Site Class:		Site Index:	18	Site Index Source:	H - SI from stand before harvest
Stocking Status:	MAT - Mature	Stocking Type:	NAT - Natural	SI Species:	LW - western larch
Tree Cover Pattern:				Re-Entry Year:	

Non Mapped Area

Id	Area	Status	Type

Layer I Inventory Layer

	Species	%	Average Age	Average Height
1	LW - western larch	75	179	27.8
2	FDI - interior Douglas-fir	25		

ure:	60	Basal Area		
otal	546	Total Well Spaced	Well Spaced	Free Growing

Last Action Date:	2014-10-10 11:21:00 AM	Comments:	No		
SU:		Forest Cover ID:	3145990	Polygon :	RESZ
Gross Area(ha):	0.2	Net Area(ha):	0.2		
Reference Year:	2014	Reserve Type:	G - Group	Reserve Objective:	WTR - Wildlife Tree Retention Goals
Site Class:		Site Index:	18	Site Index Source:	H - SI from stand before harvest
Stocking Status:	MAT - Mature	Stocking Type:	NAT - Natural	SI Species:	FDI - interior Douglas-fir
Tree Cover Pattern:				Re-Entry Year:	

Non Mapped Area

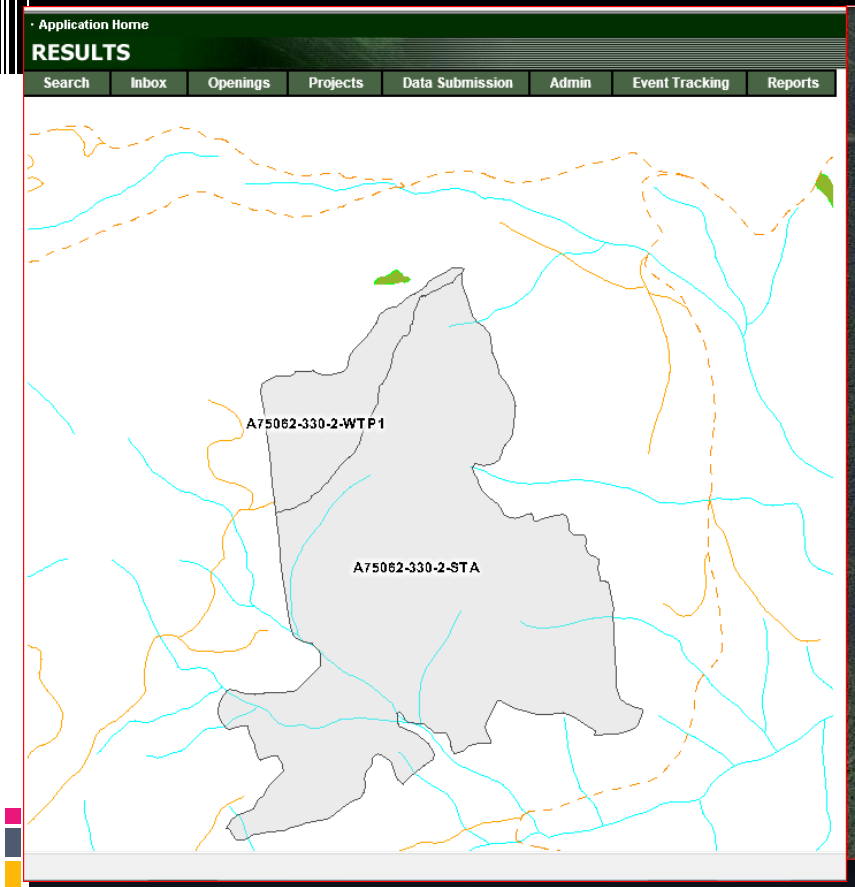
Id	Area	Status	Type

Layer I Inventory Layer

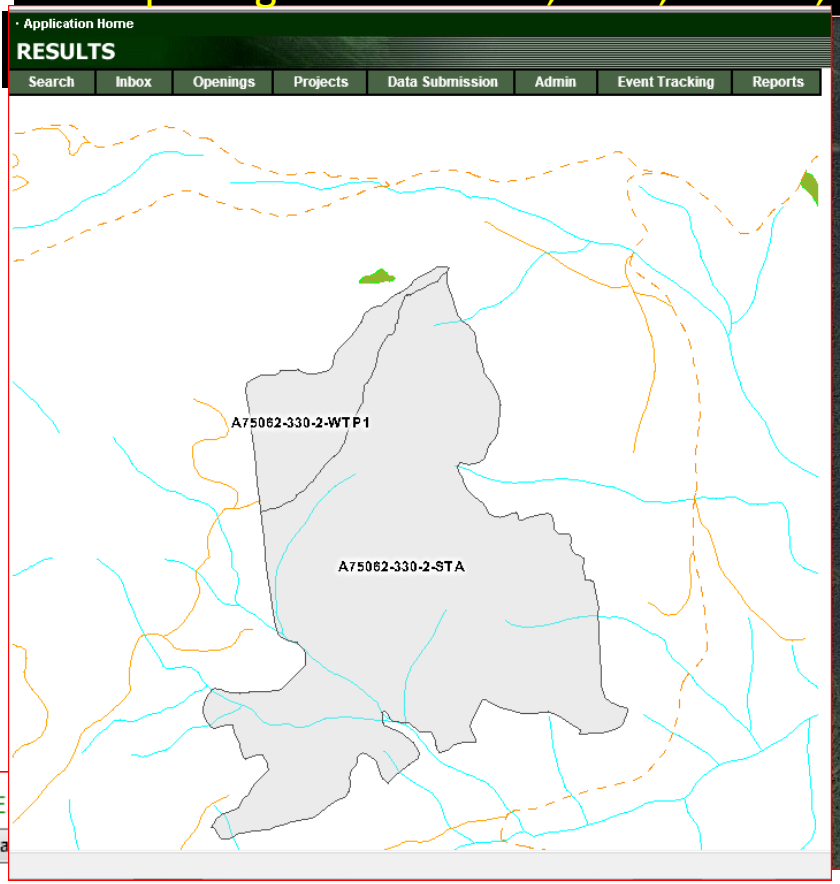
	Species	%	Average Age	Average Height
1	FDI - interior Douglas-fir	70	83	22.8
2	LW - western larch	20		
3	PLI - lodgepole pine	10		

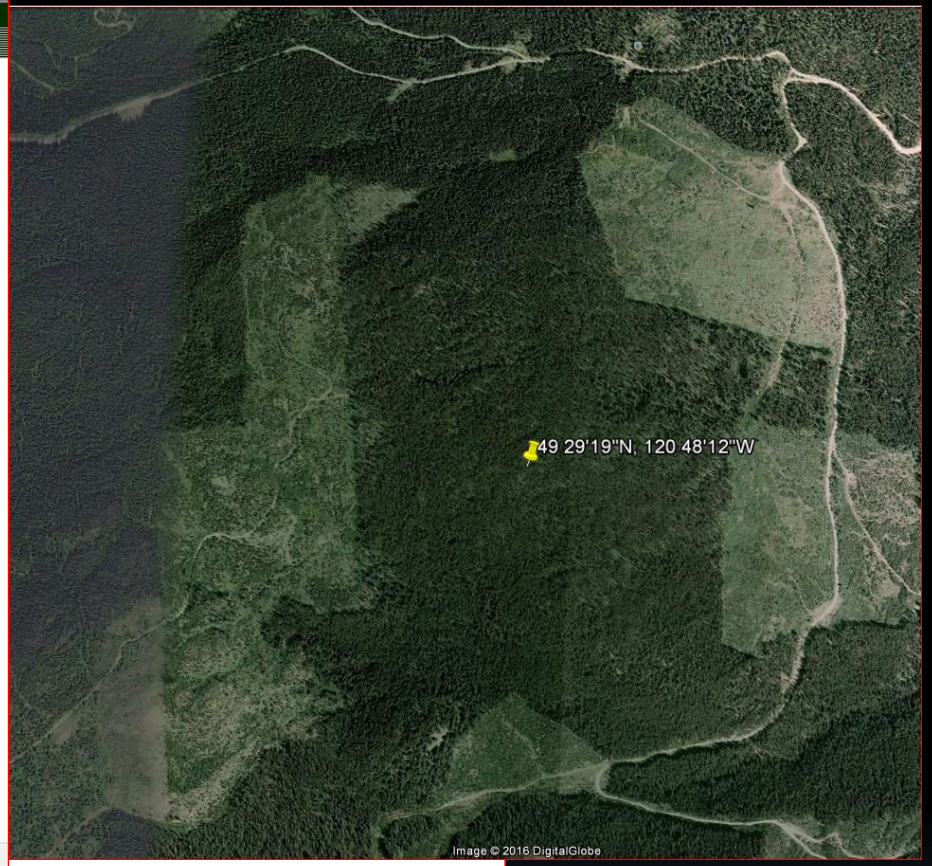
Crown Closure:	60	Basal Area		
Stems/ha Total	974	Total Well Spaced	Well Spaced	Free Growing

Clearcut with Dispersed Reserves and Group Reserves – Even-aged



Clearcut with Dispersed and Group Reserves
Opening ID: 1585115 , 1 SU; CCRES; Poly "STA":D/Bio; Poly "WTP1": G/WTR





Last Action Date: 2015-08-23 Comments: No Forest Cover Map 4 rows returned

SU	Polygon ID	Non-Mapped Area	Layer	Polygon Area		Stocking		Reference Year	Species Code			Stems/ha				
				Gross	Net	Stat	Type					Total	Total Well Spaced	Well Spaced	Free Growing	
1	A75062-330-2-STA		I	84.4	82.4	IMM	ART	2014	PLI	SX	BL	1266				Details
1	A75062-330-2-STA		S	84.4	82.4	IMM	ART	2014	PLI	SX	BL		1120	1063		Details
	A75062-330-2-STA	C1		2		NP	UNN									Details
1	A75062-330-2-WTP1			11.3	11.3	MAT	NAT	2011								Details

Clearcut with Dispersed and Group Reserves
Opening ID: 1585115 , 1 SU; CCRES; Poly "STA":D/Bio; Poly "WTP1": G/WTR

SU:	1	Forest Cover ID:	3313246	Polygon :	A75062-330-2-STA
Gross Area(ha):	84.4	Net Area(ha):	82.4		
Reference Year:	2014	Reserve Type:	D - Dispersed	Reserve Objective:	BIO - Biodiversity
Site Class:		Site Index:	17	Site Index Source:	E - SI from Biogeoclimatic Ecosystem Classification
Stocking Status:	IMM - Immature	Stocking Type:	ART - Artificial	SI Species:	PLI - lodgepole pine
Tree Cover Pattern:				Re-Entry Year:	

Non Mapped Area

Id	Area	Status	Type
C1	2	NP	UNN

Layer I Inventory Layer

	Species	%	Average Age	Average Height
1	PLI - lodgepole pine	70	1	0.2
2	SX - spruce hybrid	20		
3	BL - subalpine fir	10		

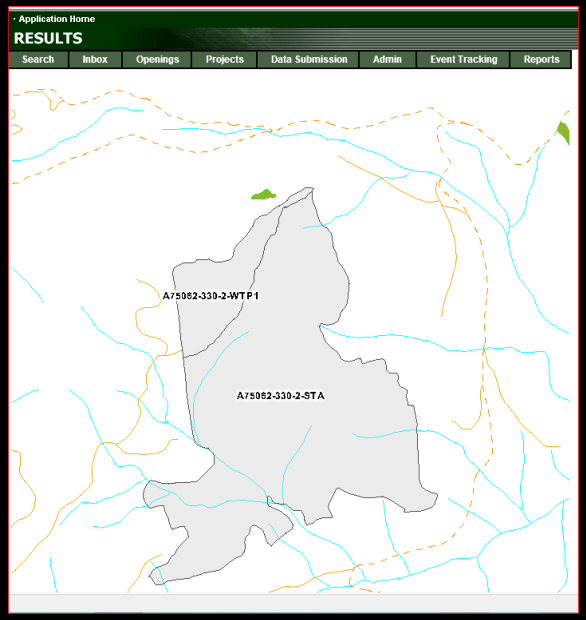
Crown Closure:	3	Basal Area		
Stems/ha Total	1266	Total Well Spaced	Well Spaced	Free Growing

Damage Agent	%	Area

Layer S Silviculture Layer - even aged

	Species	%	Average Age	Average Height
1	PLI - lodgepole pine	68	1	0.2
2	SX - spruce hybrid	31		
3	BL - subalpine fir	1		

Crown Closure:		Basal Area			
Stems/ha Total		Total Well Spaced	1120	Well Spaced	1063 Free Growing



RESULTS321 - Forest Cover Detail

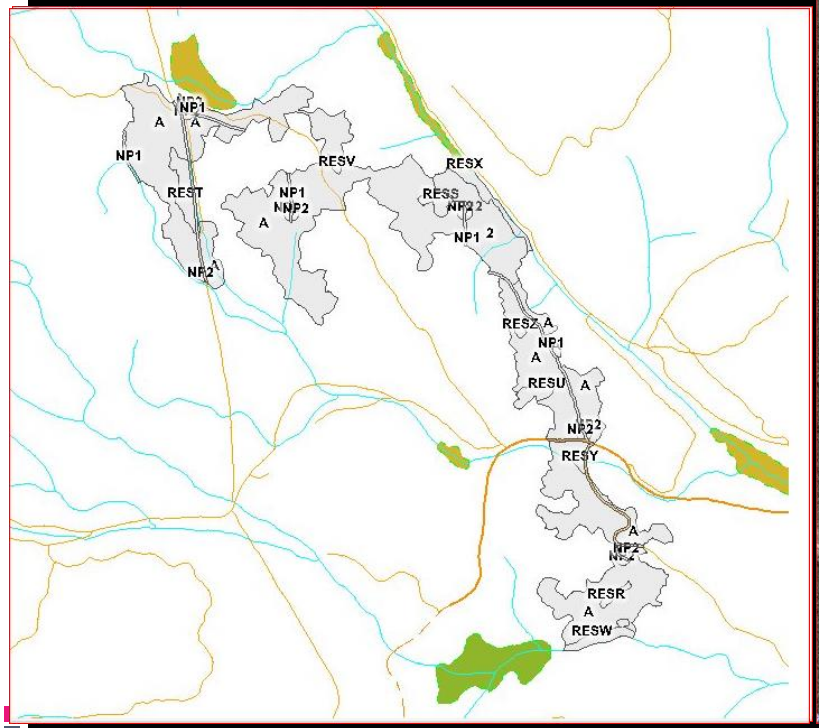
Back

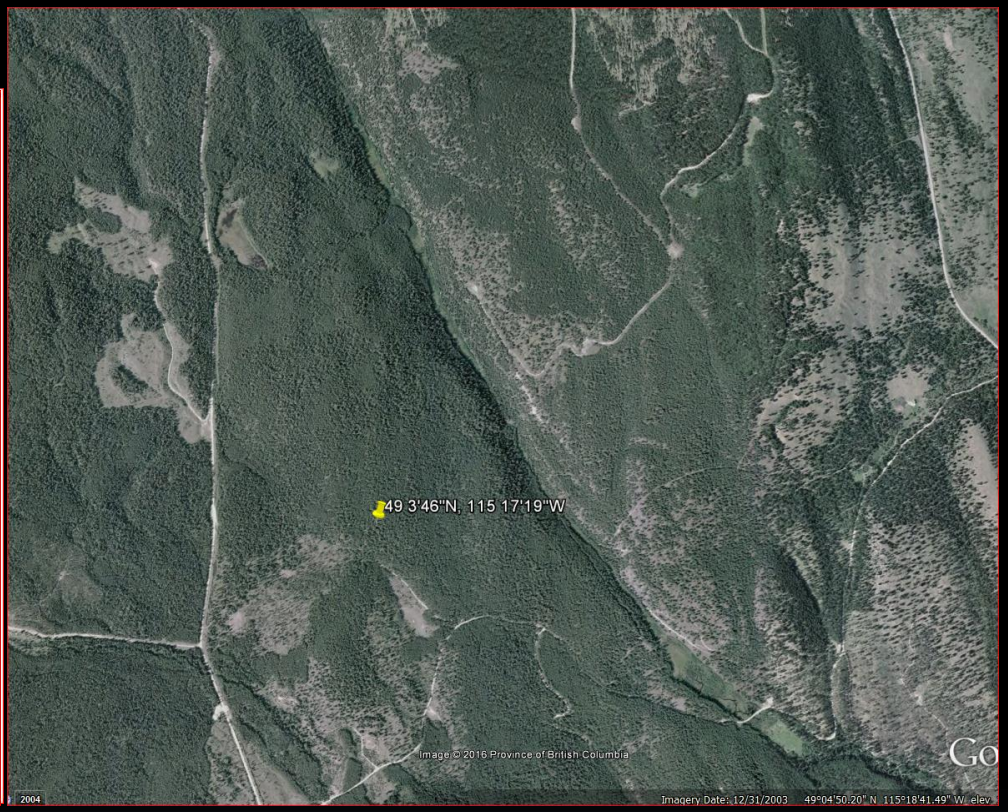
Edit

2 of 2

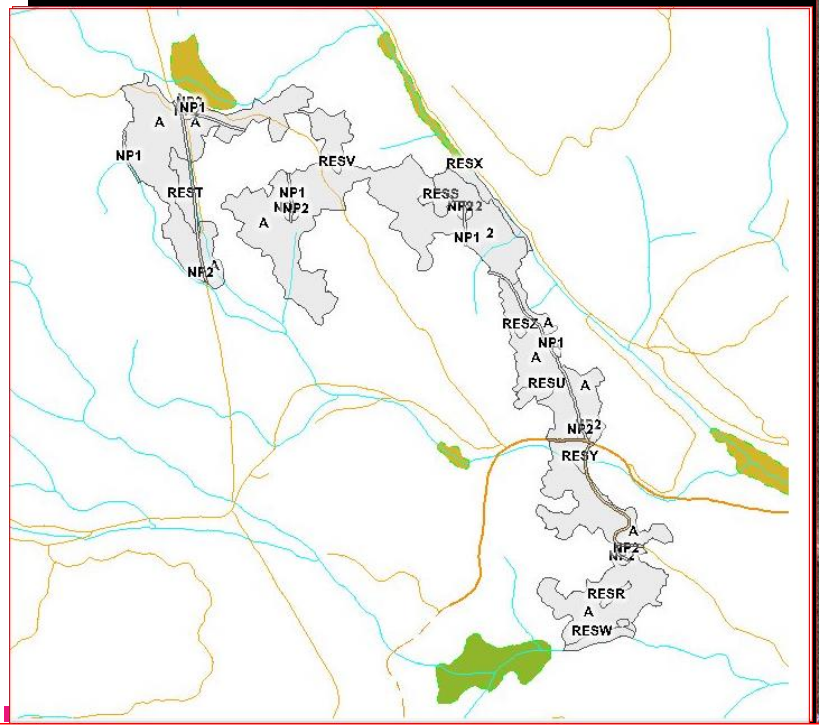
Last Action Date:	2015-08-23 02:40:33 AM	Comments:	No		
SU:	1	Forest Cover ID:	3313247	Polygon :	A75062-330-2-WTP1
Gross Area(ha):	11.3	Net Area(ha):	11.3		
Reference Year:	2011	Reserve Type:	G - Group	Reserve Objective:	WTR - Wildlife Tree Retention Goals
Site Class:		Site Index:	18	Site Index Source:	H - SI from stand before harvest
Stocking Status:	MAT - Mature	Stocking Type:	NAT - Natural	SI Species:	PLI - lodgepole pine
Tree Cover Pattern:				Re-Entry Year:	

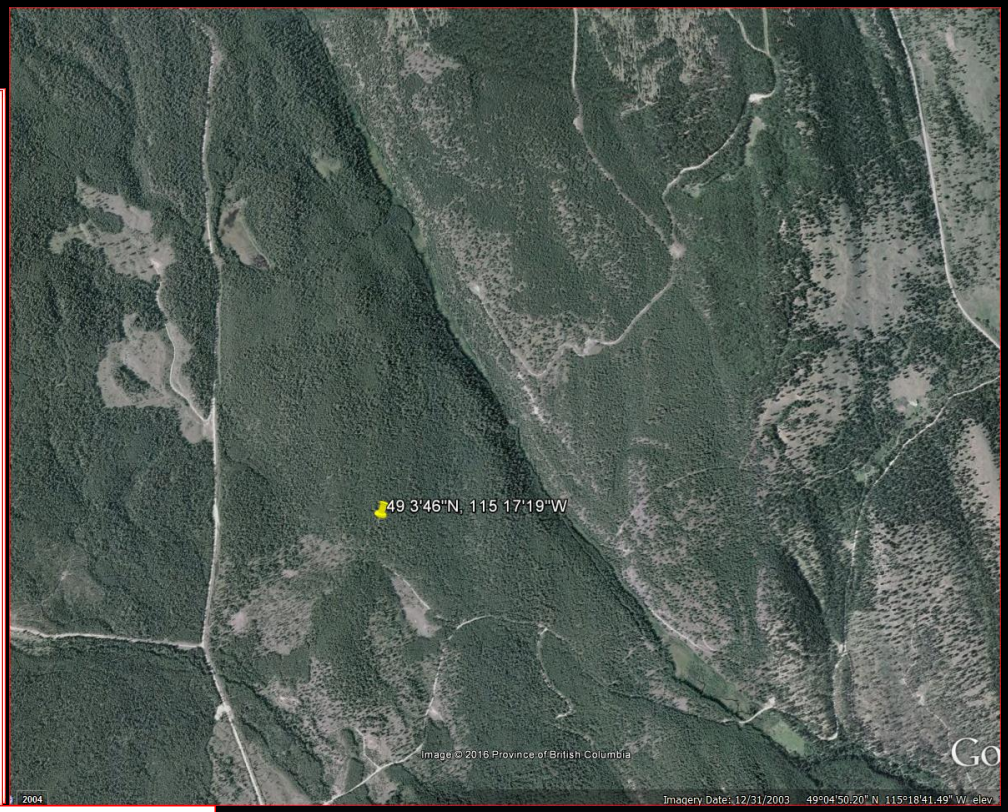
Clearcut with Reserves - Multi-Layer Example





Clearcut with Reserves - Multi-Layer Example
Opening ID: 1646238 , 2 SUs, CCRES, Poly “A”-D/OTH, Poly “WTPR-Z”- G/WTR





Last Action Date: 2015-02-20 Comments: No Forest Cover Map 20 rows returned

SU	Polygon ID	Non-Mapped Area	Layer	Polygon Area		Stocking		Reference Year	Species Code			Stems/ha			
				Gross	Net	Stat	Type					Total	Total Well Spaced	Well Spaced	Free Growing
2	2			6.5	6.5	NSR	NAT	2014							
1	A		1	71.2	71.2	IMM	NAT	2014	FDI	PY		80			
1	A		1S	71.2	71.2	IMM	NAT	2014	FDI	PY	LW		80	80	80
1	A		2	71.2	71.2	IMM	NAT	2014	FDI	LW		200			
1	A		2S	71.2	71.2	IMM	NAT	2014	FDI	LW			200	200	200
1	A		3	71.2	71.2	IMM	NAT	2014	FDI	LW		200			
1	A		3S	71.2	71.2	IMM	NAT	2014	FDI	LW			200	200	200
1	A		4	71.2	71.2	IMM	NAT	2014	FDI			100			
1	A		4S	71.2	71.2	IMM	NAT	2014	FDI				100	100	100

NP1		3.3	3.3	NP	RD	2013							
NP2		1.2	1.2	NP	RD	2013							
RESR	I	0.3	0.3	MAT	NAT	2015	FDI	LW	PLI	962			
RESS	I	0.8	0.8	MAT	NAT	2015	FDI	LW	PLI	962			
REST	I	1.7	1.7	MAT	NAT	2015	FDI	LW	PLI	962			
RESU	I	1	1	MAT	NAT	2015	FDI	LW	PLI	962			
RESV	I	0.2	0.2	MAT	NAT	2015	FDI	LW	PLI	962			
RESW	I	1.2	1.2	MAT	NAT	2015	FDI	LW	PLI	962			
RESX	I	1.5	1.5	MAT	NAT	2015	FDI	LW	PLI	962			
RESY	I	0.2	0.2	MAT	NAT	2015	FDI	LW	PLI	962			
RESZ	I	0.3	0.3	MAT	NAT	2015	FDI	LW	PLI	962			

Clearcut with Reserves – Multi-Layer Example

Opening ID: 1646238 , 2 SUs, CCRES, Poly "A"-D/OTH, Poly "WTPR-Z"- G/WTR

Last Action Date:	2015-02-20 08:17:11 AM	Comments:	No		
SU:	1	Forest Cover ID:	3244019	Polygon :	A
Gross Area(ha):	71.2	Net Area(ha):	71.2		
Reference Year:	2014	Reserve Type:	D - Dispersed	Reserve Objective:	OTH - Other
Site Class:		Site Index:	19	Site Index Source:	E - SI from Biogeoclimatic Ecosystem Classification
Stocking Status:	IMM - Immature	Stocking Type:	NAT - Natural	SI Species:	FDI - interior Douglas-fir
Tree Cover Pattern:	5 - Intimately intermixed units, often with gradational transitions from one to the other.			Re-Entry Year:	

Non Mapped Area

Id	Area	Status	Type

Layer 1 Mature

	Species	%	Average Age	Average Height
1	FDI - interior Douglas-fir	90	80	21
2	PY - ponderosa pine	10	80	23

Crown Closure:	10	Basal Area	10		
Stems/ha Total	80	Total Well Spaced		Well Spaced	Free Growing

Layer 1S Silviculture Layer 1 - uneven aged

	Species	%	Average Age	Average Height
1	FDI - interior Douglas-fir	85	80	21
2	PY - ponderosa pine	10	80	23
3	LW - western larch	5	80	23

Crown Closure:		Basal Area					
Stems/ha Total		Total Well Spaced	80	Well Spaced	80	Free Growing	80

Layer 2 Pole

	Species	%	Average Age	Average Height
1	FDI - interior Douglas-fir	80	65	10
2	LW - western larch	20	60	12

Crown Closure:	12	Basal Area	10		
Stems/ha Total	200	Total Well Spaced		Well Spaced	Free Growing

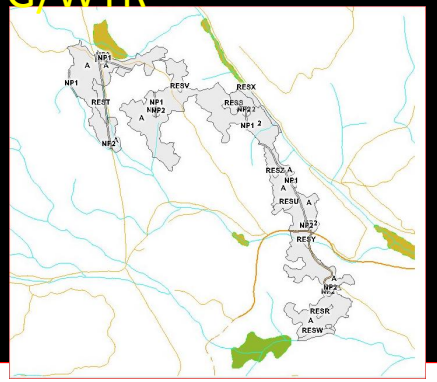
Damage Agent	%	Area

Layer 2S Silviculture Layer 2 - uneven aged

	Species	%	Average Age	Average Height
1	FDI - interior Douglas-fir	80	65	12
2	LW - western larch	20	60	15

Crown Closure:		Basal Area					
Stems/ha Total		Total Well Spaced	200	Well Spaced	200	Free Growing	200

Damage Agent	%	Area



Layer 3 Sapling

	Species	%	Average Age	Average Height
1	FDI - interior Douglas-fir	80	15	2
2	LW - western larch	20	15	2.5

Crown Closure:	5	Basal Area			
Stems/ha Total	200	Total Well Spaced		Well Spaced	Free Growing

Damage Agent	%	Area

Layer 3S Silviculture Layer 3 - uneven aged

	Species	%	Average Age	Average Height
1	FDI - interior Douglas-fir	80	15	2.5
2	LW - western larch	20	15	3

Crown Closure:		Basal Area					
Stems/ha Total		Total Well Spaced	200	Well Spaced	200	Free Growing	200

Layer 4 Regen

	Species	%	Average Age	Average Height
1	FDI - interior Douglas-fir	100	6	0.6

Crown Closure:	2	Basal Area			
Stems/ha Total	100	Total Well Spaced		Well Spaced	Free Growing

Damage Agent	%	Area

Layer 4S Silviculture Layer 4 - uneven aged

	Species	%	Average Age	Average Height
1	FDI - interior Douglas-fir	100	6	0.6

Crown Closure:		Basal Area					
Stems/ha Total		Total Well Spaced	100	Well Spaced	100	Free Growing	100

Damage Agent	%	Area

More RESULTS Training

https://www.for.gov.bc.ca/his/results/training/index.htm

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- RESULTS Tutorial
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- Navigation
- Opening Tasks
- Standards Admin

Related Links
- Corporate Reporting System
- Electronic Forest Management – e-FM
- Electronic Submission Framework – ESF
- FSP Tracking System
- MapView 4.0
- SPOT 5 Satellite Image Primer

- RESULTS Sharepoint Restricted Access

general overview of the application components.

List of Core Modules

Type	Topic	Last Updated
Powerpoint	Module 1: Obligation Reporting- Policy and Business Context	Nov 2013
	Policy and Business Context - Recording	Oct 2014
Powerpoint	Module 2: Obligation Reporting -Online Entry and Mandatory ESF Conditions	Nov 2013
	Online Entry and Mandatory ESF Conditions - Recording	Oct 2014
Powerpoint	Module 3: Obligation Reporting -Submitting by ESF	Nov 2013
	Submitting by ESF - Recording	Oct 2014
Powerpoint	Module 4: Obligation Reporting – Standards Unit Modifications Overview	Nov 2013
	Standards Unit Modifications Overview - Recording	Oct 2014
Powerpoint	Module 5: Obligation Reporting – Standards Unit Modifications – ESF	Nov 2013
	Standards Unit Modifications - ESF - Recording	Oct 2014
Powerpoint	Module 6: Obligation Reporting – Standards Unit Modifications – Online	Nov 2013
	Standards Unit Modifications - Online - Recording	Oct 2014
Powerpoint	Module 7: Obligation Reporting – Ministry Approver Processing	Nov 2013
	Obligation Reporting - Ministry Approver Processing - Recording	Oct 2014

Special Topics:

Type	Topic	Last Updated
Powerpoint	Government Funded Activities – Juvenile Spacing Reporting	Dec 5, 2012
Powerpoint	Carbon Offset Reporting	Oct 2013
Powerpoint	Forest for Tomorrow	Jan 2015
Video	Forest for Tomorrow	