

VEGETATION MANAGEMENT TREATMENT EVALUATION

USE THIS FORM IN THE FIELD FOR ASSESSING THE EFFICACY OF VEGETATION MANAGEMENT TREATMENTS.

A. ADMINISTRATION			
1. REGION	2. DISTRICT	3. ADMIN. NO.	4. PROJECT DONE BY
5. LOCATION		6. MAPSHEET / OPENING NO.	7. PESTICIDE USE PERMIT NO. (WHERE APPLICABLE)
8. ZONE, SUBZONE AND ASSOCIATION		9. TREATMENT OBJECTIVES	
11. ACTUAL HECTARES TREATED		12. EVALUATOR(S)	
		13. ASSESSMENT NO.	
		10. TREATMENT DATE	
		14. ASSESSMENT DATE	
B. METHOD			
1. METHOD AND TECHNIQUE		2. EQUIPMENT (TOOL)	
		3. STEM GIRDLING	
		4. GRAZING	
5. HERBICIDE		6. PCP NO.	
		7. CARRIER	
10. ADDITIVES AND AMOUNT ADDED		11. INJECTION (HACK AND SQUIRT)	
		12. SPOT APPLICATION	
		13. MANAGEMENT OF BUFFER ZONE(S)	
14. ASSESSMENT METHOD		15. PRESENCE OF UNTREATED CONTROL AREAS	
C. EFFICACY AND COMMENTS			
1. TARGET SPECIES	2. ESTIMATED % CONTROL	3. CONDITION / VIGOUR, RESPROUTING, DROUGHT STRESS, DISEASE, ETC.	4. COMMENTS
D. COMMENTS			
1. RESISTANT SPECIES (OTHER THAN TARGET VEGETATION)			
2. TOTAL NON-CROP VEGETATION (STATE POST-TREATMENT % INCREASE / DECREASE)			
3. VEGETATION SHIFT			
4. IMPACT ON WILDLIFE BROWSE OR RANGE SPECIES (WHERE APPLICABLE)			
5. UNIFORMITY (COVERAGE), PRESENCE OF SKIPS (SEVERITY AND LOCATION)			
6. EFFECT ON NON-TARGET AREA (INCLUDING BUFFER AND PESTICIDE-FREE ZONES)			
E. CROP TREE RELEASE			
1. CROP TREE SPECIES	2. COMPETITION RATING (0-100)	3. CONDITION / VIGOUR, HERBICIDE OR TREATMENT DAMAGE	4. COMMENTS
F. SUMMATION			
1. OBJECTIVES ACHIEVED (COMMENT)			
2. NEED FOR FOLLOW-UP SURVEYS / TREATMENTS			
3. GENERAL COMMENTS (INCLUDE APPROPRIATENESS OF THE PRESCRIBED BRUSHING METHOD / TECHNIQUES, RECOMMENDATIONS, ETC.)			

INSTRUCTIONS FOR COMPLETION OF FS 706

A. ADMINISTRATION

1. REGION: Forest Region, e.g. Cariboo
2. DISTRICT: Forest District, e.g. 100 Mile House
3. ADMIN. NO.: Use the Standard Ministry Number

Example:

P	8	9	R	0	2	0	0	7	B
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4. PROJECT DONE BY: If by contract, state Contractor's name.
5. LOCATION: Site name, plus distance in km and direction from major centre.
6. MAP SHEET / OPENING NO.: Use BCG and location code. A suffix (single letter) is to be used with the Opening Number to indicate additional projects of the same type on the same Opening.

Example:

	9	3	G	0	2	7			0	1	4	3	A
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7. PESTICIDE USE PERMIT NO.: Pesticide Use Permit numbers as issued by B.C. Pesticide Control Branch.
8. SUBZONE AND ASSOCIATION: Use codes and identification procedures as in Regional Ministry of Forests classification and publications and associated maps.
9. TREATMENT OBJECTIVE(S): Intent of treatment, e.g. Site Preparation, Crop Establishment, Crop Release.
10. TREATMENT DATE: Record the date on which the site was treated.
11. ACTUAL HECTARES TREATED: State number of hectares treated (excluding buffers).
12. EVALUATOR(S): Name(s) of person(s) carrying out the assessment.
13. ASSESSMENT NO.: State whether the assessment is first, second, third, etc. after treatment (the particular one being evaluated).
14. ASSESSMENT DATE: State the date on which the evaluation is done.

B. METHOD

1. METHOD AND TECHNIQUE: State method and technique used for the treatment, e.g. Chemical, Aerial Helicopter.
2. EQUIPMENT (TOOL): Equipment used for treatment, e.g. Helicopter (Bell 206B), Vredenburg Girdling Tool.
3. STEM GIRDLING: State the number of girdles made per stem. As well, indicate the width of each girdle.
4. GRAZING: State the number of grazing animals (e.g., sheep, cattle) used per hectare, and the number of days grazed.
5. HERBICIDE: Record the product (trade) name of the herbicide applied.
6. PCP NO.: Pest Control Product Registration number, e.g. Vision - 13644.
7. CARRIERS: Check the material used to dilute or suspend the herbicide during the application.
8. SPRAY VOLUME: Amount of spray solution applied per hectare, e.g. 50 L/ha.
9. RATE OF APPLICATION: State the active ingredient of herbicide applied per hectare, e.g., for glyphosate: 1.12 kg a.i./ha.
10. ADDITIVES AND AMOUNTS ADDED PER UNIT OF VOLUME OR WEIGHT: State any additive (e.g., dye or drift-reducing agent) used, apart from the carrier. Example: Bulls Eye dye: 150 ml dye/100 L solution.
11. INJECTION (HACK AND SQUIRT): Includes standard hack and squirt technique, Gel Cap, Ezject, etc.
12. SPOT APPLICATION: For spot applications such as that of Velpar, state solution concentration used, volume of solution applied per spot, and spacing between spots.
13. MANAGEMENT OF BUFFER ZONE(S): State, if any, the type and purpose of activities done within the buffer zones. For example, manual cutting for browse production.
14. ASSESSMENT METHOD: Check the assessment method(s) used. Indicate other method(s) such as "photo technique" used.
15. CONTROL AREA: State presence of representative untreated control area(s). Indicate "Y" or "yes" and "N" for "no".

C. EFFICACY AND COMMENTS

1. TARGET SPECIES: List competing (unwanted) vegetation species intended to control, e.g. Salmonberry, Red Alder.
2. ESTIMATED % CONTROL: Level of vegetation control observed. Visually rate, using a 0-100% rating scale. For target vegetation, "0" indicates no control, and "100" indicates death.

Specifically,

0 to 9%	No effect	(0) *	50%	Poor Control	(5)
10%	Possible effect	(1)	60%	Fair Control	(6)
20%	Slight effect	(2)	70%	Good Control	(7)
30%	Definite effect	(3)	80%	Excellent Control	(8)
40%	Moderate injury	(4)	90-100%	Complete Control	(9)

* Equivalent Expert Committee on Weeds (ECW) rating in brackets ()

3. CONDITION / VIGOUR: State general condition of the target vegetation species. For example, resprouting, etc. as indicated.
4. COMMENTS: General comments on the efficacy of the target vegetation species. For example, poor efficacy due to improper girdling.

D. COMMENTS

1. RESISTANT SPECIES (OTHER THAN TARGET VEGETATION): Comment on the non-target species observed to be resistant to the treatment.
2. TOTAL NON-CROP VEGETATION: With reference to pre-treatment vegetation, state whether the treatment has led to increase or decrease of the non-crop vegetation.
3. VEGETATION SHIFT: State whether there is a major change in vegetation species composition as a result of the treatment. For example, from shrubs to grasses, alder-Salmonberry complex to Salmonberry.
4. IMPACT ON WILDLIFE BROWSE OR RANGE SPECIES (WHERE APPLICABLE): State the treatment impact on specific species. Comment on current and potential browse availability for wildlife use of the site.
5. UNIFORMITY (COVERAGE), PRESENCE OF SKIPS (SEVERITY AND LOCATION): State whether the designated treatment area(s) were done uniformly or if some areas were missed (skipped) or overlapped.
6. EFFECT ON NON-TARGET AREA (INCLUDING BUFFER AND PESTICIDE-FREE ZONES): State whether buffers or non-target areas were treated or impacted.

E. CROP TREE RELEASE

1. CROP TREE SPECIES: List the crop tree species to be released.
2. COMPETITION RATING (0-100): Evaluate non-crop vegetation competition to the identified crop trees. For example, "0" is free-growing (at the time of assessment), "100" represents crop tree(s) completely overtopped/encroached by the surrounding vegetation.
3. CONDITION / VIGOUR: Crop tree health. State whether diseased, drought-stressed or injured. Rate crop tolerance to treatment. For example, "0" is completely dead, "100" is completely tolerant.

Specifically,

91-100%	Complete tolerance	(9) *	41-50%	Severe effect	(4)
81-90%	Possible effect	(8)	31-40%	Severe effect	(3)
71-80%	Slight effect	(7)	21-30%	Severe injury	(2)
61-70%	Definite effect	(6)	11-20%	Near death	(1)
51-60%	Severe effect	(5)	0-10%	Completely dead	(0)

* Equivalent Expert Committee on Weeds (ECW) rating in brackets ()

4. COMMENTS: Additional information relating to crop release which is not stated.

F. SUMMATION

1. OBJECTIVES ACHIEVED (COMMENT): Comment on whether the objectives set out were achieved.
2. NEED FOR FOLLOW-UP SURVEYS / TREATMENTS: Indicate whether additional surveys or any other treatments are needed to achieve "free-growing".
3. GENERAL COMMENTS: State if there were previous vegetation control treatments of the site. Include additional comments not already stated above. State whether the current prescribed brushing method/technique was appropriate for the site. Provide recommendations, if any.