



City of Kimberley
Urban Interface Fuels Reduction
STAND MANAGEMENT PRESCRIPTION
Kimberley Nature Park

ADMINISTRATION			
Proponent	Treatment Unit		
City of Kimberley	Steep hand treatment 3-4		
Legal Description	BCGS Mapsheet	Landscape Unit	
Kimberley Nature Park	82G061	C08	

AREA DESCRIPTION (ha)					
<p>This stand is located on a range of aspects with slopes ranging from 0 – 65%. The current stand density approaches 2,500 sph. (Douglas-fir 81%, Western larch 15%, Rocky mountain juniper 2%, Subalpine fir and Lodgepole pine 1%). The unit is located to the south of the Cabin trail/Romantic ridge trail junction, and runs the length of the Romantic ridge trail on both sides. The Lower army road forms the southern boundary of the unit. Where dry aspects occur, west of romantic ridge, talus slopes and drier site conditions exist. The stand is dominated by Douglas-fir in all layers. The remaining areas within the unit with cooler aspects share some common attributes. First unevenly distributed throughout, there is a large build up CWD in the 5 to 15 cm diameter range on the forest floor. In these areas very little removal of the over-storey will be required as the stand is close to meeting target stand conditions. Where the amount of CWD is lower, layer 2,3 and 4 (under-storey) are present and serve as ladder fuels for treatment.</p>					
SU	GROSS AREA (ha)	NON-PRODUCTIVE AREA (ha)		RESERVES (ha)	NET AREA (ha)
		NAT	UNN		
1	7.91	0.00	0.10	0.01	7.80
TOTAL	7.91	0.00	0.10	0.01	7.80

MANAGEMENT OBJECTIVES:
<ul style="list-style-type: none"> • To reduce the probability of catastrophic fires within the City of Kimberley's municipal boundary • To increase the resiliency of the forests within the Kimberley Nature Parks to wildfire and lower the probability of catastrophic damage. • To protect the value of the park as an important community asset. <p>This will be achieved by reducing surface fuel loading and by lowering canopy fuel loading through stand treatments including under-storey thinning, piling and burning of conifer stems.</p> <p>Broad Overview Ecosystem Restoration/Management Plan Treatment Proposal</p> <p>Very Open Forest 75-150 sph Slightly Open Forest 400-1200</p>

SU	CRITICAL SITE FACTORS (affecting the timing of operations and the manner in which they affect them)
1	The treatment area is within the Kimberley Nature Park and is heavily used by recreationalists. Signage should be considered for safety and public awareness.
1	Reserve patch of Swx regeneration from treatment area at 3 corners.
1	Reserve snags(2) below Suicide trail East of Hillside Trail, conduct activities consistent with WDTA procedure.
1	Trails within or adjacent to unit: Romantic Ridge, Suicide and Lower Army road.
1	Remove all litter and waste associated with the treatments at the end of each day.
1	Disturbance to trail surfaces should be minimized.
1	Assess wildlife danger trees to level 3 standards. Retain only high value snags or actively used snags as per the wildlife danger tree protocol.

ECOLOGICAL DESCRIPTION						
EU	SU	NDT	BEC ZONE	SUBZONE VARIANT	SITE SERIES (% composition)	GRID LOCATION (SMR / SNR)
1	1	4	MS	dk	01/03	2-4 / (B) C

TERRAIN DESCRIPTION								
SU	SLOPE (%) DOMINANT (RANGE)	L/U	ASPECT	SLOPE POSITION	GULLIED (Y/N)	DRAINAGE	ELEVATION (m)	
							MIN	MAX
1	60 (5-65)	L/U	Varied	mid (toe-crest)	N	Well-Rapid		

RIPARIAN MANAGEMENT STRATEGIES				
SU	WATERBODY NAME / TYPE	RIPARIAN CLASSIFICATION		
		RIPARIAN CLASSIFICATION	RIPARIAN RESERVE ZONE RRZ (M)	RIPARIAN MANAGEMENT ZONE RMZ (M)
	N/A	-	-	-
There are no riparian features adjacent to or within this unit.				

FOREST HEALTH MANAGEMENT STRATEGIES
MANAGEMENT STRATEGIES FOR ARCHAEOLOGICAL SITES
MANAGEMENT STRATEGIES TO MANAGE AND CONSERVE ARCHAEOLOGICAL SITES
An archaeological overview assessment has been completed for this area. The area is not contained within any polygons identified as having a moderate or greater potential for containing areas of archaeological significance.

STAND MANAGEMENT TREATMENTS
PASS 1 - SURFACE FUELS REDUCTION
Objective: To reduce Coarse Woody Debris accumulations on the forest floor.
Treatment:
<ul style="list-style-type: none"> Retain Coarse Woody Debris that is not sound, otherwise: Buck, pile and burn all sound coarse woody debris on the forest floor. Pile material into piles not exceeding 1.5 m in diameter by 1.5 m in height. Burn piles should be located at the bottom of existing canopy openings and on old inactive trails to minimize damage to residual stems during burning operations. See treatment standards for fuel treatments in the WUI in Kimberley.
PASS 1 – LADDER FUELS REDUCTION
Objective: To reduce ladder fuels by thinning, piling and burning selected species by diameter class(s).
Treatment:
<ul style="list-style-type: none"> Cut all mature, dead or dying deciduous species. <i>Do not</i> cut young and vigorous stems. Remove all stems <17.5cm dbh. Target Post Treatment Stand Density = 336
Option 1 Pile thinned material into piles not exceeding 1.5m in diameter by 1.5m in height. Burn piles should be located at the bottom of existing canopy openings and on old inactive trails to minimize damage to residual stems during burning operations. See treatment standards for fuel treatments in the WUI in Kimberley.
POST-BURNING TREATMENT AND FOLLOW-UP
<ol style="list-style-type: none"> Seed soil area affected by burning in the spring following burning with a seed mix suitable for areas of high burn severity. Monitor wind/snow damage post-treatment and assess for follow up treatment to address overwinter snow press, wind damage, etc. Monitor surface fuel characteristics and assess for 5 years following treatment.

I certify that the work described herein fulfills the standards expected of a member of the Association of British Columbia Forest Professionals and that I did personally supervise the work.

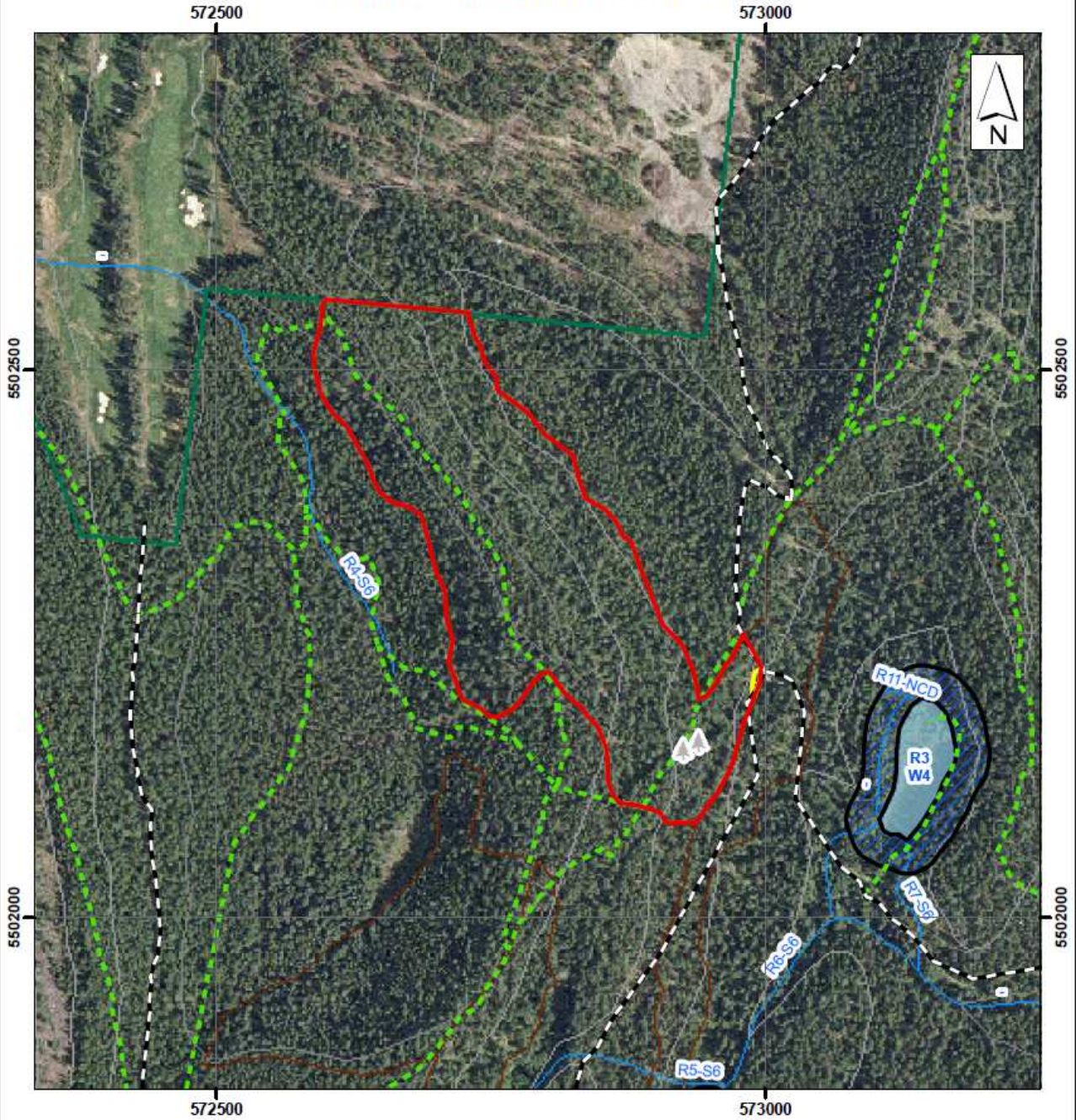


Brian Watson , R.P.F.

May 30, 2010

DATE

Kimberley Nature Park Hand Treatment Areas



Polygon: 3-4
Total Area: 7.9 ha.



Nature Park Boundary	Creek
Treatment Polygon	Intermittent
Wetland	Approx. Road Location
Riparian Reserve Zone	Approx. Trail Location
Reserve	100m contour
Wildlife Tree	20m contour

1:5,000

Drawn: May 13, 2010

SU 1

Diameter Class (cm)	PSME	LAOC	JUSC	ABLA	PICO	Total
0.0-5.0	1163	100	50	25	0	1338
5.1-7.5	0	0	0	0	0	0
7.6-10.0	425	38	0	0	0	463
10.1-12.5	53	50	0	0	0	103
12.6-15.0	73	61	0	0	0	134
15.1-17.5	109	21	0	0	0	130
17.6-20.0	38	0	0	0	0	38
20.1-22.5	31	15	0	14	0	60
22.6-25.0	43	12	0	0	0	55
25.1-27.5	9	9	0	0	10	28
27.6-30.0	40	15	0	0	0	55
30.1-32.5	13	0	0	0	0	13
32.6-35.0	6	17	0	0	6	28
35.1-37.5	5	10	0	0	0	15
37.6-40.0	4	4	0	0	0	8
40.1-42.5	4	8	0	0	0	11
42.6-45.0	7	3	0	0	0	10
45.1-47.5	3	3	0	0	0	6
47.6-50.0	3	0	0	0	0	3
50.1-52.5	0	0	0	0	0	0
52.6-55.0	0	2	0	0	0	2
55.1-57.5	2	0	0	0	0	2
57.6-60.0	2	0	0	0	0	2
60.1-62.5	0	0	0	0	0	0
62.6-65.0	0	0	0	0	0	0
	2031	367	50	39	15	2502
	thin					
	retain					