Revelstoke PEM Database and Knowledge Table Code Legend March, 2006										
Category Value Description Notes:										
	NTAGE OF AREA ANALYSIS: (Qualifying Analysis - Applied to some features only)									
P	1	5-20%		greater than or equal to 5% and less than 20% of the polygon area						
P	2	21- 50%		greater than 21% and less than 50% of the polygon area						
P	3	>50%		greater than 51% of the polygon area						
STREAM				greater than 5170 of the polygon area						
W	0	No streams	Τ.	No streams found in polygon (0 to 10 m/ha)						
W	1	Low water		10 m/ha to 30 m/ha (low soil moisture influence)						
W	2	Mod water		30 m/ha to 60 m/ha (moderate soil moisture influence)						
W	3	High water								
SLOPE:	3	Dry Interior:		60 m/ha or greater (high soil moisture influence)						
	1	0 – 8%								
S	2			(** agnest applies from this alone along on)						
S	3	8 – 25% 25 – 45%		(** aspect applies from this slope class on)						
		45 – 65%								
S	5	45 - 65% 65 - 85%								
S	6	85 - 130%								
S	7	130 + %								
SF	f	Flat		glama alaga 1						
SF		Moderate		slope class 1						
SF	m			slope classes 2 & 3						
	S	steep		slope classes 4 & 5						
SF	hs	Hyper-steep		slope classes 6 & 7						
SFc	g	Gentle		slope classes 1 & 2						
SF	vm	Very moderate		slope classes 3 & 4						
SF	VS	Very steep		slope classes 5 & 6						
ASPECT:		NT.	1	A . 1 1						
As	0	No aspect		Aspect does not apply						
As	1	Hot		91 to 235 degrees						
As	2	Warm		236 to 290 degrees (actually 235.1 to 290)						
AS	3	Cool		291 to 90 degrees						
	NCY FI	LATURES: (5	U-m b	ouffer around NP, NPBr, Rock, Alpine and OR polygons)						
Adj1	1	Adj to streams		buffers around NP and NPBr						
Adj2	1	Adj to wetland		buffers around NP and NPBr						
Adj3	1	Adj to rock		buffers around Rock polygons						
Adj4	1	Adj to alpine		buffers around Alpine polygons						
Adj5	1	Adj to OR		buffers around Open Range polygons						
		+Adj4+Adj5=0	<u> </u>	Not adjacent to any of these features						
RIPARIA			C1 1							
	liculated	from perimeter		,						
LB	1	present		5% slope adjacent to the lake, to a maximum distance of 100 m						
LB_P	1	Low		between 5 and 20% of PEM polygon area						
LB_P	2	Moderate		tween 21 and 50% of PEM polygon area						
LB_P		3 High greater than 51% of the PEM polygon area								
	Wetlands (Calculated from perimeter of wetlands)									
WB	1	present	0-5% slope adjacent to the wetland, to a maximum distance of 100 m							
WB_P	1	Low	between 5 and 20% of PEM polygon area							
WB_P	2	Moderate	between 21 and 50% of PEM polygon area							
WB_P	3	3 High greater than 51% of the PEM polygon area								

Stream Lo	ow Bend	ches: (Calculat	ted from double-line streams)						
SLB	1	present	0-5% slope adjacent to a double-line stream to a maximum distance of 100m						
SLB P	1	Low	between 5 and 20% of PEM polygon area						
SLB P	2	Moderate	between 21 and 50% of PEM polygon area						
SLB P	3	High	greater than 51% of the PEM polygon area						
Stream High Benches: (Calculated from double-line streams)									
SHB	1	present	- 0-5% slope from the edge of the SLB to a max distance of 500 m; or						
SIID	•	present	- 0 - 5% slope adjacent to a small rise up from the river's edge (a slope of 6-20%						
			within 50 m from the river edge) to a max distance of 500 m						
SHB P	1	Low	between 5 and 20% of PEM polygon area						
SHB P	2	Moderate	between 21 and 50% of PEM polygon area						
SHB P	3	High	greater than 51% of the PEM polygon area						
			com double-line streams)						
ST	1	present	- is a 0-10% slope adjacent to a large rise up from the river's edge – a greater						
	-	present	than 20% slope within a 400 m distance – to a max distance of 1000 m; or						
			- a 0-10% slope adjacent to a small rise up from the edge of the SLB or SHB – a						
			greater than 6% slope within a 400 m distance – to a max distance of 1000m.						
ST P	1	Low	between 5 and 20% of PEM polygon area						
ST P	2	Moderate	between 21 and 50% of PEM polygon area						
ST P	3	High	greater than 51% of the PEM polygon area						
GULLY B	BOTTO		LY BUFFERS: (on single-line streams)						
G	1	present	This is a 20-m buffer on either side of the single-line stream, and search for slope						
		1	of 30% + (allows for flat-bottom gully and eliminates gully mouths)						
G P	1	Low	between 5 and 20% of PEM polygon area						
G_P	2	Moderate	between 21 and 50% of PEM polygon area						
G_P	3	High	greater than 51% of the PEM polygon area						
GB	1	present	This is a 40-m buffer up the 30%+ slopes starting from edge of the gully bottom						
			polygon (G)						
GB_P	1	Low	between 5 and 20% of PEM polygon area						
GB_P	2	Moderate	between 21 and 50% of PEM polygon area						
GB_P	3	High	greater than 51% of the PEM polygon area						
	PS and		RS (upper slope positions):						
HT	1	present	Hill top is the largest outside contour line less than 1200 m in length and not a						
TITE D	4	T	depression						
HT_P	1	Low	between 5 and 20% of PEM polygon area						
HT_P	2	Moderate	between 21 and 50% of PEM polygon area						
HT_P	3	High	greater than 51% of the PEM polygon area						
HB	1	present	40-m buffer where slope is > or = 20%, starts from edge of HT						
HB_P	1	Low	between 5 and 20% of PEM polygon area						
HB_P	2	Moderate	between 21 and 50% of PEM polygon area						
HB_P	3 (ODS ar	High	greater than 51% of the PEM polygon area						
	OPS an		FFERS (defines upper slope positions):						
RT P	1	present	20-m buffer around the ridge break line where slopes are > or = 30%						
RT P	1	Low	between 5 and 20% of PEM polygon area						
	3	Moderate	between 21 and 50% of PEM polygon area						
RT_P		High	greater than 51% of the PEM polygon area						
RTL	1	present	Little ridge tops between 10 and 30% slopes – for Interior BEC subzones						
RTL_P	1	Low	between 5 and 20% of PEM polygon area						
RTL_P	2	Moderate	between 21 and 50% of PEM polygon area						
RTL_P	3	High	greater than 51% of the PEM polygon area						

RB	1	progent	10 m buffer from adag of DT if along are > or = 200/								
RB P	1	present Low	40-m buffer from edge of RT if slopes are > or = 30%								
RB P	2	Moderate	between 5 and 20% of PEM polygon area between 21 and 50% of PEM polygon area								
RB P	3	High	greater than 51% of the PEM polygon area								
	OF SLOPES										
ToS	SLOF	present	esent Interface of >40% slopes above and <25% slopes below, that are within 100 m								
103	1	present	of each other								
ToS P	1	Low									
ToS P	2	Moderate	between 21 and 50% of PEM polygon area								
ToS P	3	High	1 70								
ToS_P 3 High greater than 51% of the PEM polygon area ELEVATION											
E	1		ESSFvc below 1520 m								
E	2		ESSFvc between 1520 and 1680 m								
E	3		ESSFvc above 1680 m								
E	4		ESSFwc2 below 1440 m								
E	5		ESSFwc2 between 1440 and 1770 m								
E	6		ESSFwc2 above 1770 m								
E	7		ESSFwc4 below 1580 m								
Е	8		ESSFwc4 between 1580 and 1720 m								
Е	9		ESSFwc4above 1720 m								
Е	10		ESSFwcw below 1700 m								
Е	11		ESSFwcw above 1700 m								
TRIM 2 LANDFORM FEATURES: (These are assumed to be within a FC forested polygon and influence											
differently	than th	e NP code)									
L1_P	1,2, or	3 Rock poly	ygon TRIM HB25400000								
L2	1,2, or	3 Esker	TRIM HB10200000 (follows m/ha correlation like the Water calculation)								
L3	1,2, or	3 Cliff/scar	p TRIM HB05650000 (follows m/ha correlation like the Water calculation)								
L4_P	1,2, or		TRIM HB27900000								
L5	1,2, or	3 Beaver da	TRIM GA08450110 (follows m/ha correlation like the Water calculation)								
L6_P	1,2, or	3 Flooded a									
L7_P	1,2, or		TRIM								
L8_P	1,2, or		TRIM HB18700000								
L9_P	1,2, or		TRIM HB26150000								
L10_P	1,2, or										
L11_P	1,2, or		TRIM GD12300000								
L12_P	1,2, or										
L13	1,2, or		TRIM HB06650100 (follows m/ha correlation like the Water calculation)								
L14_P	1,2, or		TRIM GE14850000								
L15_P	1,2, or										
L16_P	1,2, or										
L17	1,2, or		,								
L18_P	1,2, or										
L19	1,2, or	_	,								
L20	1,2, or		Cliff drop off TRIM HB05650200 (follows m/ha correlation like the Water calculation)								
COLADI	indefinite										
SOLAR RADIATION RANGES:											
SR	1		Full South-facing, no obstructions – Intensive solar radiation								
SR	2	Warm aspects – east or west – moderate solar radiation									
SR	3	Full North-facing, no variations – Cool solar radiation									
	<u> </u>										

REDRO	CK TVP	F (dominant he	edrock type is assigned to the PFM polygon)								
BR	1	Rich	nant bedrock type is assigned to the PEM polygon) limestone, marble, calcareous sedimentary rocks;								
DIC	1	Kicii	limestone, marble, calcareous sedimentary rocks; limestone, slate, siltstone, argillite;								
			dolomitic carbonate rocks								
BR	2	Mod rich	Mod - rich chert, siliceous argillite, siliciclastic rocks; volcanic, basalt;								
DIC	2	Wiod - Hell	greenstone, greenschist metamorphic rocks;								
			orthogneissic; paragneissic; undivided metamorphic								
BR	3	Moderate	mudstone, siltstone, shale fine clastic sedimentary rocks;								
Dic		Wiodelate	mudstone/laminite fine clastic sedimentary rocks;								
			undivided sedimentary rocks								
BR	4	Mod - poor	coarse clastic sedimentary rocks;								
		1	conglomerate, coarse clastic sedimentary rocks; quartzite								
BR	5	Poor	Igneous (Intrusive) – i.e. granodiorite, quartz diorite, granite, gabbro diorite,								
			monzonite								
BR	0	Undivided	Undivided – not useful – everything from volcanic, to sedimentary, to								
			metamorphic, to intrusive								
SATEL	LITE IM	AGERY:									
SA	1	Water									
SA	2	Snow or Ice	Snow, ice or glaciers – not present in this PEM project								
SA	3	Bare	Rock cliffs or talus slopes – undifferentiated; Exposed soil for various								
			reasons: road way, landslide, river island, etc.								
SA	4	Forest	Coniferous and/or Deciduous mixes								
SA	5	Parkland Fores									
			parkland/alpine BEC subzones								
SA	6	Krummholtz	Alpine krummholtz – few upright trees								
SA	7	Decidous Shru	Deciduous shrub patches with no or few upright trees								
SA	8	Grasslands	Upland gramminoid sites – including alpine grasslands								
SA	9	Heathlands	Alpine meadows dominated by heathers and junipers								
SA	10	Herbaceous	Alpine forb-dominated meadows – verdant green								
FORES	T COLT	meadows									
		R CHARACTE	RISTICS:								
	Cover Bas										
NP	0	Forested	Forested stands								
NP	1	icefield									
NP	2	alpine									
NP NP	7	rock 50-m buffer around these polygons for adjacency searches									
NP NP	9	sand clay bank									
NP NP	10	•	not .								
NP NP	11	alpine forest NPBr									
NP NP	12	NP	50-m buffer around these polygons for adjacency searches 50-m buffer around these polygons for adjacency searches								
NP	13	burn	30-iii buffer around these polygons for adjacency searches								
NP	15	lakes	Merge Forest Cover and TRIM lakes								
NP	18	Gravel Bar	ivicige potest cover and i knivi takes								
NP	25	River									
NP	35	wetlands	Merge Forest Cover and TRIM wetlands/depressions (TRIM marsh polygons								
111	33	wettands	are displayed within the wetland complexes.)								
NP	42	Clearing	are displayed within the wettand complexes.)								
NP	50	Roads									
NP	54	Urban									
1 11	J 1	Jioun	I								

NP	60	hayt	field								
NP	62										
NP	63			50-m buffer around these polygons for adjacency searches					iacency searches		
NP	64 salt water			o in ourse around these post goins for adjucency searches							
NP	70				lable						
NPD	A Alpine					NSR	Cutblock				
NPD		AF	Alpine forest		NF DESC		1	NCBr	Cutblock Brush		
NPD		U	Urban								
NPD	SWA	MP	Swamp								
NPD	NF	Br	Brush								
NPD	-	NP	Non-producti	ve							
Disturbar	ice Hist	ory:			Height: (HCTL_PR – these classes were re-programmed in the VRI database)						
ACT B	1 Past burn			HC 1 height class $1 = 0$ to 10.4 m							
ACT L	1	Log			HC		2		to 19.4 m		
_	Burns			Comp1, 2 or	HC		3		to 28.4 m		
	4		I database	T -, - 01	HC		4		to 37.4 m		
Species: (r PL; ACT or	HC		5		to 46.4 m		
AC; E or			, y . I LI 01	_, -101 01			-	- / .5	· · · · · · · · · · · · · · · · · · ·		
Sp		SP1, SP2, or SP3			НС		6	46.5	to 55.4 m		
SpL			species - SP		HC		7		55.5 to 64.4 m		
SpS			ond - SP2 onl	HC		8	64.5 +				
SpP		Prin	$nary - 1^{st}$ or 2	Н	,	VS	Very short – classes 0 - 1				
Sp1 Per			over for each		Н		S		Short - height class 2		
Sp Pure	р		e >95%	эрчин	Н		t	Tall - height classes 4+			
Crown Closure: (CRNCL PR – these classes				Age: (AGECL PR – these classes were re-programmed in							
			the VRI data		the VRI database)						
CRN	0		Crown class 0-5%		AGE		1	1 – 20 years			
CRN	1	6-15		<u> </u>	AGE		2	21 – 40 years			
CRN	2	16-2			AGE		3	41 – 60 years			
CRN	3	26-3			AGE		4	61 – 80 years			
CRN	4	36-45%		AGE		5	81 – 100 years				
CRN	5		- 55%		AGE		6	101 – 120 years			
CRN	6	56-6			AGE		7	121 – 140 years			
CRN	7	66-7			AGE		8	141 – 250 years			
CRN	8			AGE		9		+ years			
CRN	9	86-95%		A	m	,		are - age classes 3 to 9 (this is a			
CRN	10			1	_			ger age than other PEM projects			
CC	V		y open – class	ses 0 – 1	1				o the lesser fire history of the area;		
CC	0		n – classes 2		1				ounger mature age is a result of		
CC	c	Closed – classes 4+		1				ssive water saturation in the soils)			
			m the VRI D		<u> </u>						
COMP1	B, SL,			t descriptors –	BCLC L1			N	U, V		
COMP2	HE, HF,		burn, shrub layer, herb		BCLC L2			N, T			
COMP3	HG, ES, GL		-	•	BCLC L3		A,				
	LA, RI, RP, glacier, lake, river, roa		•				1 1,	-			
				rock, talus,							
	BR, TA, T			road, conifer,							
	•				•						

Revelstoke PEM Database and Knowledge Table Code Legend

SOILMO	IST1	1 to 8 D:	ry to wet soil	BCLC_L4	EL, HE, I	HF, HG, RO, SI, SL, ST, TB,					
SOILMO	IST2		oisture classes	_	TC, TM						
SOILMO	IST3				,						
SOILNU	ΓRRG	A to E Po	oor to Rich nutrient	BCLC L5	BP, BR. DE, LA, OP, PN, RI, RS, SP,						
		cla	asses	_	UR						
SHRUB	HT			SHRUBCWNCL							
				HERBCOVTYP							
BIOTER	RAIN N	IAPPING F	TEATURES: (not use	d in this PEM Project)							
		Bioterrain	in mapping was not contracted as part of this project. There was no detriment to the								
		accuracy of	of this PEM map due to	o the lack of this input	layer.						
SOIL DE	SCRIP	ΓΙΟΝ: (not	used in this PEM Proj	ect)	•						
		The digital soils map is too coarse to be of use in this project (scale of 1:1,000,000)									
Post Proc	essing to	o avoid Inpi	ut database complica	tions – Completed as	a separate	project					
TEM Str	uctural	Stage:		-							
TSS	3		Shrub (1 to 20 year	ars) - corresponds to S	tructural St	age codes in DEITF manual					
TSS	4		Pole/sapling (20 to 40 years)								
TSS	5		Young (40 to 80 y	Young (40 to 80 years)							
TSS	6		Mature (80 to 240	years)							
TSS	7		Old (240+ years)								
			` '								
		Optional	Note structural sta	age 2 is missing since it	must be ap	oplied after the ecosystem					
		Module: label has been ascribed. This is a post-processing module that may not have bee									
				requested by the Client.							