



Ex

Wisegoat-Sorcerer Lodge-Public Report Manage

Date Range

Last 7 days (Sat, Apr 14, 2018 - Sat, Apr 21, 2018)

Location

Sorcerer Lodge

Save to PDF Layout

Tabular Map Chart

Weather Observations

Date	Time	Sky	PRTI	T max	T min	T pres	HN24	HN24 WE	HST	Date Clr	HS	T10	Foot Pen	Baro	Sfc Form1	Size Min1	Size Max1	Sfc Form2	Size Min2	Size Max2	Wd Spd	Wd Dir	Location
Selkirk Mountains																							
04/21/2018	06:15	X		4	-3	-3	4	3	4	04/19/2018	263	-1	35	789	PPrm	1	2					L	SW Ldg WxPl
04/20/2018	06:15	SCT		5	-8	-6	0		0	04/19/2018	264	-4.5	40	796	SH	1	2	MFcr				C	Ldg WxPl
04/19/2018	06:15	CLR	NIL	-1	-9	-9	0		38	04/19/2018	270	-6	35	796	DF	1	2	SH	1			C	Ldg WxPl
04/18/2018	06:15			0	-7	-7	2		41	04/11/2018	275	-5	50	794	PPrm	1						C	Ldg WxPl
04/17/2018	06:30			0	-5	-5	20	21	45	04/11/2018	282	-4.5	50	780	PPrm	1						C	Ldg WxPl
04/16/2018	06:20	X	S3	4	-4.5	-4.5	5	8.8	28	04/11/2018	266	-2	45	780	PPrm	1						L	NW Ldg WxPl
04/15/2018	07:00	X	S2	0	-5	-5	12	9.2	30	04/11/2018	270	-6	50	785	PPrm	2	3					C	Ldg WxPl
04/14/2018	06:45	BKN	NIL	-2	-5	-5	19	10.1	23	04/11/2018	266	-6	40	791	PPr	2	3					L	S Ldg WxPl

Field Summaries

Date	Location(s)	Elev Min	Elev Max	Sky	T Low	T High	Wind	AM Xp	PM Xpo	PRTI	HN24	HST	Comment	Surface Forms
Selkirk Mountains														
04/21/2018	EscargoG Moraine	1700	2300	OVC - -			-1 M @ W	M	M	S1 - S2				PPrm(1) - PPgp(0.1)
04/20/2018	EscargoG NordicG	1900	2670	BKN - C	-4	-3	L @ S - M L	L	L	NIL				
04/19/2018	NordicG	1900	2700	CLR - S	-8	3.5	L @ SW	Nil	Nil	NIL				DF
04/18/2018	PerfectV AlderCk	1860	2440	BKN	-7	1	C - L @ W	Prev	Prev					PP(1) - NA
04/17/2018	LodgeTre	1680	2080	BKN - S	-5	0.5	L @ W - L	Nil	M	S-1 - N				PPrm(1)
04/16/2018	PerfectV	1880	2300	X			L @ S	U	U	S1 - S2				PPrm(≤1)
04/14/2018	PerfectV	1900	2550	SCT - C	-7	-3	M @ S	M	M	NIL - S				NA - PP(2-3)

Avalanche Summaries




Date	Summary
Selkirk Mountains	
04/21/2018	10 to 20 cms new forming windslab in lee areas. Alpine unobserved but suspect increasing hazard in extreme weather. No new observed with very limited visibility.
04/20/2018	No new avalanches observed
04/19/2018	1 sc size 2 (see table). Numerous solar induced na size 1-2. Loose wet from steep rocky solar aspects in alpine.
04/18/2018	Na cycle in last 24 hours with moderate to strong SW winds in alpine, to size 2 at ridgetop. Isolated na size 1 from steep rocky terrain with daytime warming.
04/17/2018	Few Na size 1 loose drv from 40 degrees+ terrain 2100 meters to ridgetop. One sc size 1 on an isolated nocket of windslab at TI (see table) Observed evidence of previous Na cycle from 72 hours ago to size 2 on N

04/17/2018	Few Na size 1 loose dry from 18 degrees. Certain 2200 meters to ridgetop. One or size 2 on an isolated pocket of windslab at 18 (see table). Observed evidence of previous na cycle from 72 hours ago to size 2 on N.
04/16/2018	Few Na size 1 loose moist on moraine features at 1900 meters. Few ski cut loose dry above 2000 meters running on yesterdays melt freeze crust. Skied in a ping pong ball today so not much visibility.
04/15/2018	Exchange day and exceptionally poor visibility in snow and fog so limited obs today. We did see evidence of a natural slab and loose wet cycle on W facing slopes that filtered in and out of view on occasion. :)
04/14/2018	Recent 20 to 30 cm of storm snow and wind tips the scale waking up recent weak layers causing isolated naturals in the alpine. see table.

Avalanche Observations

Date	Time	Num	Trg	Size Typ	Size Max	Trg Dis	Char	PWL	Elev Min	Elev Max	Asp Frorr	Asp To	BS Lvl	Depth Min	Depth Max	Incl Avg	Widtl Min	Widtl Max	Leng Min	Leng Max	Location(s)
Selkirk Mountains																					
04/19/2018	10:30	1	Sc	2			Wind Slab		2500		N			50			20	50	150		Crit Thu
04/18/2018		Num	Na	1	2		Wind Slab		2300	2600	N	E		20	40		20	80	60	150	Sorcerer
04/17/2018	14:30	1	Sc	1	1		Wind Slab		2100		N			20			5		70		Lees Tre
04/17/2018	15:00	1	Na	1.5			Loose Dry Avalanche		2300		E								350		IsleSkye
04/14/2018	10:30	1	Na	2.5			Unknown		2500		W					45			220		PerfectV
04/14/2018	13:30	1	Na	3			Unknown		2700		N					40					WhtRussn
04/14/2018	10:30	1	Nc	2			Unknown		2460		N		U	50	80		100		75		PerfectV

Snow Profiles

Date	Asp/Elev	Location	Summary
Selkirk Mountains			
04/20/2018		BlkRssn	Test profile: Black Russian, 13:15, NW, 35 degrees, 2640 meters: CTE 7 (SP) down 28 DF and FC CTH 29 (RP) down 107 FC and RG Mar 18 interface
04/17/2018		WzrdGull	Profile Wizard Gullies: 15:01, N, 15 degrees, 2090 elevation, HS 357: CTM 18 (SP) down 57 CTH 28 (SP) down 97 on rounding facets sz 1 and rounding SH sz 2
04/16/2018		WzrdGull	Test profile: Wizard Gullies, 13:30, North aspect, 2090 meters, HS 350, CTE3 (SP) down 13 on 04/15 mfc. 3 cm thick 1F CTM13 (RP) down 40 HST interface CTH (SP) down 85 and 90 on rounding SH

Snowpack Description



Date	Description
Selkirk Mountains	
04/21/2018	10 - 20 HST over a variety of surfaces including crust on solar aspects and melt freeze crust up to 2000 meters. Moderate to strong winds forming windslab in alpine and treeline. Old windslab remains on lee aspects in alpine. HN on Escargot glacier 280 and mainly pencil hardness. PWL's in mid and lower pack remain stubborn but still exist and are being monitored. Otherwise a well consolidated pack.
04/20/2018	We have crusts, moist wind affected surfaces except for isolated dry pockets on subtle aspects and inclines that have remained protected on North aspects above 2100 meters.
04/19/2018	Solar input affecting all aspects except due north above 2000 meters. Windslab remains reactive on specific alpine features. HS 350 plus of predominantly p+ snow on Nordic Glacier (not touching bottom). Staying mindful of mid and lower pack PWL's with heavy triggers - wary of cornices.
04/18/2018	Previous SW winds have formed a 20 - 40 cm thick windslab at ridgetop in lee areas. 15 - 20 recent HST is bonding well to 18/04/15 melt/freeze crust. Moist snow on surface to 2050 meters on N aspects.
04/17/2018	20 cms HN bonding well to 04/15 mfc. Moist surface in pm up to 2100 meters on N aspect. Light to Moderate SW winds creating isolated 4F windslab @ TL and on specific lee Alp features. Nov mfc. is 65 cms off the ground, 1 cm thick P+ hardness with 1F rounding depth hoar below and 1F+ rounding facets above. Jan 16th and Dec 15 interfaces still evident down 2 meters.
04/16/2018	10 - 15 cm's HN24 over April 15 soft mfc 2-5 cms thick. Moist beneath crust below 2000 meters. SUSpect slab development in HN at ridgetop with mild temps and southerly winds. Found SH down 56 cms on N aspects at 2100 meters.
04/15/2018	Another 20-30 cm HN24 adding to week's accumulation of storm that is up tp 50 cm in the alpine. The HST is thinning rapidly with decreasing elevation. Wind event overnight caused natural cycle on earlier layers.
04/14/2018	Another 20-30 cm HN24 adding to week's accumulation of storm that is up tp 50 cm in the alpine. The HST is thinning rapidly with decreasing elevation. Wind event overnight caused natural cycle on earlier layers.

Avalanche Hazard

Date	Av Problems	Hazard Rating	Comment
Selkirk Mountains			
04/21/2018	<u>Wind Slab</u> : L x Size 1.5 <u>Cornice</u> : P x Size 2		Alpine unobserved today - suspect windslab development with new snow and moderate W winds.
04/20/2018	<u>Wind Slab</u> : L x Size 1.5 <u>Cornice</u> : P x Size 2		Caution direct solar input on all elevations. BTL unobserved
04/19/2018	<u>Wind Slab</u> : L x Size 1.5 <u>Cornice</u> : P x Size 2		Caution direct solar input on all elevations.
04/18/2018	<u>Persistent Slab (Mar 18)</u> : U x Size 2 <u>Wind Slab</u> : L x Size 1.5 <u>Cornice</u> : P x Size 2		Caution windslab Alpine and open Treeline on specific features. Daytime warming on solar aspects and weakening cornices
04/17/2018	<u>Wind Slab</u> : L x Size 1.5 <u>Persistent Slab (Mar 18)</u> : U x Size 2 <u>Cornice</u> : P x Size 2		Alpine mostly unobserved. Caution windslab Alpine and open Treeline on specific features
04/16/2018	<u>Cornice</u> : P x Size 2 <u>Wind Slab</u> : P-L x Size 1.5 <u>Loose Wet Avalanche</u> : P-L x Size 1.5 <u>Persistent Slab (Mar 18)</u> : U x Size 2		limited obs - Alpine unobserved.
04/15/2018	<u>Cornice</u> : P x Size 2 <u>Wind Slab</u> : P-L x Size 2 <u>Persistent Slab (Mar 18)</u> : U x Size 2		limited TL obs, BTL unobserved
04/14/2018	<u>Wind Slab</u> : P-L x Size 2 <u>Cornice</u> : P x Size 2 <u>Persistent Slab (Mar 18)</u> : U x Size 2		limited TL obs, BTL unobserved

Terrain

Date	Asp/Elev	Comment	Location(s)	Max Slope Angle	Terrain Features	Strategic Mindset
Selkirk Mountains						
04/21/2018		Skied glaciated terrain up to 30 degrees and morainal fa	<u>Moraine</u> <u>Escargot</u> <u>LodgeTre</u>	35		Assessment
04/20/2018		Skied north facing glaciated terrain and avoided windslat	<u>EscargoG</u> <u>NordicGl</u>	40		Status Quo
04/19/2018		Skied predominantly N facing glaciated terrain. Avoiding	<u>Crit Thu</u> <u>NordicGl</u>	35		Assessment
04/18/2018		Skied supported alpine and treeline terrain. Avoided ridg	<u>PerfectV</u> <u>AlderCk</u>	35		Assessment
04/17/2018		Skied TL and BTL open glades and avy paths.	<u>Lees Tre</u>	45	Open Forest	Stepping Out

04/16/2018		Skied planar IL features. Avoided large convex features. <u>PerfectV</u>	35			Assessment
04/14/2018		avoided wind loaded terrain and overhead hazard	<u>PerfectV</u> <u>PerfectG</u>		Planar, Glaciated	Stepping Back