

Table 9

Association Table

Salici nivalis-Dryadetum octopetalae ass. nov.

		Salici nivalis-Dryadetum octopetalae																										
		poor variant								lichen-rich variant								local variant										
Location	Plot-Number	Pie	Spo	Siy	PPE	PPE	Daw	Gun	Pit	OtN	Siy	Siy	Eas	Eas	SPP	AkS	Eas	Eas	Cra	Cra	FLN	FLN	FLN	Fal				
Elev. [m/10]	Aspect [°]	742	278	441	167	366	373	322	377	56	367	368	153	157	27	90	159	156	94	95	74	73	75	92				
Slope [°]	Parent Material	239	236	235	218	235	227	218	228	238	235	238	220	223	228	233	224	222	209	232	217	215	222	240				
Rocks >6cm	Rocks <6cm	0	35	300	310	340	120	355	80	264	150	175	80	220	50	228	300	230	304	335	310	310	308	4				
Fine Soil <1mm	Litter Cover [%]	22	22	15	11	12	11	16	8	6	8	14	4	7	12	22	5	3	29	12	24	27	26	9				
Vascular Plant Cover [%]	Moss Cover [%]	GAM	GAM	Lim	LmM	LmM	LmM	LmM	LmM	GAM	GAM	LmM	GAM	GAM	GAM	GAM	GAM	GAM	RAM	RAM	QzM	QzM	RAM	GAM				
Lichen Cover [%]	Number	inc	28	3	9	3	15	6	27	16	27	28	34	15	19	16	33	2	46	65	50	29	11	40				
		50	12	22	15	12	35	6	26	24	34	43	22	35	52	12	7	6	36	16	15	3	6	25				
		10	-	-	10	0	1	1	0	5	0	0	-	1	-	3	0	-	.2	.2	2	2	1	0				
		15	60	35	70	40	45	73	45	28	43	23	50	40	10	46	63	50	20	22	22	41	15	21				
		30	64	75	70	90	50	90	45	50	50	25	50	40	25	80	58	42	28	30	37	65	50	45				
		-	<1	15	4	30	<1	2	<1	5	2	3	<1	1	<1	2	2	20	3	2	15	25	40	3				
		-	5	10	10	4	1	5	2	9	17	13	20	15	3	2	35	40	m10	m15	12	20	10	7				
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Constancy			
ASSOCIATION Diagnostic species																												
(AC)	Dryas octopetala	3	4	1	3	3	5	5	5	3	5	4	3	3	3	3	4	3	3	3	3	3	1	2	V	V	V	
(AC)	Salix nivalis	+	1	1	.	3	r	1	.	+	+	3	+	+	+	3	1	+	+	+	.	2	+	.	IV	V	V	
(AC)	Polygonum viviparum	+	+	2	+	3	.	+	.	+	+	.	+	+	.	+	+	+	+	.	.	.	.	.	IV	IV	.
(AC)	Anemone drummondii	.	r	+	r	r	r	.	r	.	r	.	r	.	r	r	+	.	r	r	+	+	+	+	IV	III	V	
(AC)	Hedysarum sulphurescens	+	+	1	8m	2	+	1	+	r	2	+	+	+	r	+	+	r	.	.	.	+	+	+	V	V	III	
	Sedum roseum	.	.	+	.	.	.	.	.	r	+	+	+	+	r	.	.	.	.	.	+	+	+	+	II	IV	IV
	Carex rupestris	+	+	2	+	3	+	+	.	+	+	+	+	+	+	+	.	.	.	.	.	+	.	.	V	IV	I
	Poa alpina	+	+	+	r	+	.	+	+	+	+	+	+	r	+	+	.	.	.	.	.	.	+	+	V	IV	II
	Arnica alpina	.	+	r	.	.	+	ad	ad	+	+	+	+	r	.	+	r	.	.	.	.	.	.	r ^{cf}	IV	IV	I
	Arenaria rossii	.	.	+	+	.	+	r	r	.	r	+	.	.	.	r	.	.	.	.	.	.	.	.	IV	II	.
	Salix arctica	.	.	1	2	3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	II	.	.
	Carex nardina	+	.	.	+	r	r	+	.	.	+	.	.	.	.	.	.	.	r	.	.	.	.	.	IV	I	I
	Arabis nuttallii	.	+	.	+	r	.	+	+	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	IV	I	.
	Ditrichum flexicaule	.	.	.	p	P	p	p	p	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	IV	.	.
	Tortella fragilis	.	.	.	p	.	p	p	p	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	III	.	.
	Tortella tortuosa	.	.	.	p	p	.	p ^{cf}	.	.	p	.	.	.	.	.	.	.	.	.	.	.	.	.	II	I	.
	Polygonum bistortoides	.	+	.	.	.	.	.	.	+	+	+	+	+	+	+	.	+	.	.	.	.	.	.	I	V	.
	Saxifraga occidentalis	.	+	.	r	.	.	.	.	+	r	+	.	r	+	+	.	r	.	.	.	r	+	.	II	IV	II
	Selaginella standleyi	+	.	.	+	.	.	r	.	r	+	r	+	+	x	r	+	.	.	.	.	.	+	.	II	V	I
	Astragalus aboriginum	r	.	r	r	r	.	.	r	+	.	III	I	.
	Lupinus lepidus	.	+	.	.	.	.	.	.	1	.	.	+	+	+	+	+	+	.	.	.	.	.	.	I	IV	.
	Pedicularis contorta	.	.	.	r	.	.	.	.	r	.	.	r	+	r	+	+	+	.	.	.	+	.	.	I	IV	I
	Douglasia montana	+	.	.	+	+	+	.	.	r	III	.	.
	Antennaria umbrinella	.	.	r	.	.	.	.	.	.	.	.	+	+	.	.	r	+	.	.	+	.	.	.	I	III	I
	Poa interior	+	r	.	x	r	III	.	.
VARIANT (local)																												
	Saxifraga bronchialis	+	r	.	.	.	.	.	.	.	.	.	.	.	+	.	r	.	+	+	+	+	+	+	II	II	V
	Castilleja occidentalis	r	+	+	+	+	+	.	.	.	V
	Erigeron lanatus	+	r	r	.	+	r	.	.	I	IV	.
	Arnica rydbergii	r	+	r	r	.	+	.	.	.	V
	Oxyria digyna	+	+	III	.
	Dicranum sp.	x	x	x	x	x	p	.	.	.	V
	Cetraria cucullata	p	x	p	p	p	V
	Thamnia subuliformis	.	.	.	.	.	.	p	.	.	p	p	.	.	.	.	.	.	x	x	x	x	.	.	I	II	IV
	Pseudephebe sp.	x	x	x	x	.	x	.	.	.	V
	Encalypta rhabdocarpa	p	p	x	x	p	.	p	I	.	.	V
	Peltigera praetextata	p	.	.	p	p	p	.	.	.	IV
	Pterygynandrum filiforme	p	.	p	.	p	.	.	.	III	.
	Astragalus bourgovii	+	r	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	1	+	+	+	II	.	IV
	Galium boreale	+	.	.	.	+	r	+	+	.	I	IV	.
	Sedum lanceolatum	.	.	.	r	+	r	.	+	+	r	r	.	+	r	.	+	+	r	r	I	IV	V	.
	Luzula spicata	+	+	+	+	r	+	+	+	+	+	+	+	+	+	+	.	.	II	V	IV	.
	Selaginella scopulorum	+	.	.	+	+	+	+	+	+	+	+	x	x	.	+	.	IV	V	.
	Carex albonigra	+	+	+	+	+	+	r	+	+	+	+	.	IV	V	.
	Potentilla nivea	r	.	.	.	+	+	+	r	+	r	+	.	.	r	r	+	.	+	+	I	IV	V	.
	Potentilla fruticosa	.	r	r	.	.	+	+	r	.	+	.	r	.	+	+	+	+	I	III	V	.
	Calamagrostis koelerioides	.	r	ad	.	.	.	r	+	+	.	+	+	+	+	+	+	+	+	II	III	V	.
	Carex phaeocephala	+	+	+	+	+	.	+	+	+	+	+	.	.	III	V	.
	Besseyia wyomingensis	+	.	.	.	+	+	+	+	.	.	x	+	+	+	+	.	III	V	.
	Arenaria rubella	+	.	.	r	+	+	+	r	+	+	r	.	r	r	r	.	II	IV	IV	.
	Erigeron compositus	r	.	+	.	.	.	+	+	+	r	.	.	r	+	.	.	r	I	III	III	.
	Agoseris glauca	+	r	r	.	+	r	r	r	.	.	.	II	IV	.
Constant companions																												