

Table 5

Synoptic Table

Western North American Valerianetalia Tall Herb Communities

Author Location Community Table Number of Plots (n) Number		Valerianetalia sitchensis																																					
		Sibbaldio procumbentis-Trollion laxi																		Lupino latifolii-Valerianion sitchensis																			
		Kom	Dam	Dam	Pol	Pol	Pol	Ach	Ach	Ach	Ach	Bro	Tro	Bed	Tim	Sha	Sha	Hâm	Ead	Ead	Hen	Hen	Hen	Hen	Ham	Ham	D&B	Arc	Boc	E&F	D&B	K&B	Bre	Bre	Bre	Poj	Poj		
		InP	GNP	GNP	Aka	Aka	Aka	BJN	RGP	KNP	YNP	SCV	HiP	SCV	AB	Sel	Sel	WGP	BWM	BWM	RNP	RNP	RNP	RNP	RNP	RNP	RNP	NCa	GPP	MtB	NCa	NCa	ONP	BC	BC	BC	nBC		
LIT	LEr	LEt	ArV	Hac	Val	H16	H16	H16	H16	Val	Tha	Val	Tro	Val	Val	mmc	VaC	AVa	Val	Val	Lul	VaL	Val	Val	Lup	Val	Val	Vev	Csp	Val	PaV	HeV	CsV	FeL	Her				
12f	tab	tab	C10	C11	C12	T92	T45	T68	T75	T13	T32	T37	A3q	text	text	III	T55	T45	T13	T14	T15	T16	T5	T11	T2g	T70	tab	T1	T5	T1f	8.1	8.2	8.3	T1	T1				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36				
Order Valerianetalia sitchensis																																							
OC	Valeriana sitchensis	. V	IV	I	V	V	V	V	V	V	4	V	V	x	x	x	V	V	3	x	x	x	x	4	V	x	V	x	4	x	x	5	V	5	x	x			
	Erigeron peregrinus	. V	IV	V	V	V	IV	V	V	IV	4	V	V	x	x	.	x	V	V	2	.	.	x	x	2	IV	x	.	x	.	.	x	.	.	x	x			
	Senecio triangularis	. II	IV	I	V	V	III	III	II	V	3	IV	.	.	x	.	.	V	V	3	.	.	.	.	.	.	.	.	.	.	3	IV	.	.	x	x	
	Carex spectabilis	. .	I	I	+	II	I	.	III	II	.	V	.	.	.	x	.	V	V	2	x	x	x	x	.	V	x	V	.	4	x	.	1	II	5	.	.		
	Pulsatilla occidentalis	. .	III	I	IV	I	I	IV	V	V	3	V	III	.	x	.	x	IV	II	1	.	x	x	x	2	V	x	IV	.	.	.	.	.	.	4	.	.
(OC)	Veratrum viride	. .	I	I	IV	IV	III	.	III	II	.	.	.	.	.	.	III	III	3	.	x	.	x	3	III	.	.	.	3	.	x	.	.	.	.	.	.
	Pedicularis bracteosa	. II	II	+	III	IV	II	III	.	II	3	V	III	.	x	.	.	IV	.	2	.	.	.	x	.	III	.	.	.	.	x	.	.	.	.	.
OC	Thalictrum occidentale	. .	r	.	V	V	IV	.	.	.	.	V	V	.	.	x	.	.	.	.	.	.	.	.	.	.	.	.	.	.	x	.	.	.	.	x	x
Generalist species of this order*																																							
	Veronica wormsjoldii	. .	V	I	III	III	.	IV	II	IV	2	V	IV	x	.	.	.	III	V	.	x	x	x	x	1	V	x	.	.	.	.	.	.	.	.	x	.
	Arnica latifolia	. .	III	III	III	IV	II	III	III	II	.	IV	III	.	.	.	.	II	III	3	.	x	.	x	4	IV	.	II	.	.	.	.	.	.	.	r ^{cl}	.
	Luzula hitchcockii	. .	V	V	IV	II	II	.	.	II	.	.	.	.	.	.	.	II	1	x	x	.	x	2	IV	.	.	.	.	.	.	.	.	.	x ^p	.	
	Carex nigricans	. II	IV	IV	.	.	.	III	I	III	2	.	.	.	.	x	.	II	V	.	x	.	x	x	.	.	x	III	x	.	x	.	.	I	3	.	.
	Vahlodea atropurpurea	. .	IV	IV	+	.	.	.	III	.	.	.	.	.	.	.	.	V	IV	1	.	.	.	.	.	x	I	x	3	.	.	.	.	.	.	.	.
	Ranunculus eschscholtzii	. +	V	.	I	I	.	.	III	V	2	IV	V	x	.	x	.	.	IV	1	.	.	.	.	.	I	.	I	.	.	.	3	.	1	.	.	.
	Antennaria lanata	. .	.	.	.	.	.	IV	V	V	4	V	I	.	x	.	.	.	V	1	.	.	x	x	.	I	x	.	.	.	.	.	.	.	.	.
	Erythronium grandiflorum	. .	V	V	IV	III	III	II	III	.	.	III	III	.	.	.	.	.	.	.	.	.	.	.	.	.	x	.	.	.	.	.	.	.	.	.	.
	Achillea millefolium	. .	I	+	III	V	IV	.	.	.	.	II	V	x	.	.	.	.	.	.	.	.	.	.	II	x	.	.	.	.	.	.	.	.	.	.	.
	Epilobium alpinum	. .	IV	V	II	.	.	.	III	II	1	I	.	x	.	.	.	x	.	.	.	.	.	.	IV	.	.	.	.	.	x	1	1	.	.	.	.
	Phyllodoce empetriformis	. .	I	I	+	.	.	.	III	III	2	I	.	.	.	.	.	.	IV	2	.	.	.	.	x	3	.	x	I	.	.	.	.	1	1	.	.
	ALLIANCE Sibbaldio-Trollion laxi (Rocky Mountain alliance)																																						
		Sibbaldia procumbens	. II	IV	II	II	.	.	.	IV	IV	1	V	II	x	x	.	.	.	V	1	x	
		Trollius laxus	. V	I	+	III	III	.	V	.	I	3	V	.	.	x	x	.	.	IV	1	
		Juncus drummondii	. V	III	II	II	.	.	.	III	1	II	III	III	V	1	
Castilleja rhexifolia		. +	III	II	II	IV	II	.	.	.	.	IV	IV	.	.	.	.	V	III	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Claytonia lanceolata		. .	III	III	III	II	II	.	.	II	1	.	.	.	.	.	.	II	II	3	.	.	.	.	.	II	.	.	.	.	.	.	.	.	.	.	.
Vaccinium scoparium		. .	r	.	III	I	.	III	.	V	4	V	IV	.	.	.	.	.	V	3	.	.	.	.	.	I	x	.	.	.	.	.	.	.	.	.	.
Mitella breweri		. .	III	I	IV	II	II	.	II	.	.	.	.	.	.	.	.	III	II	3	.	.	.	.	.	.	.	.	.	2	.	x	.	.	.	.	.
Aquilegia flavescens		. .	.	.	IV	IV	III	.	II	.	.	.	II	x	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Phleum alpinum		. IV	IV	III	I	III	II	III	II	II	2	IV	V	x	.	.	x	III	IV	.	.	.	.	.	I	.	I	.	.	.	x	.	.	.	x	x	
Trisetum spicatum		. III	I	+	+	III	II	.	.	.	.	IV	V	x	.	.	.	.	I	.	.	.	.	.	.	.	x	.	.	.	.	x	.	.	.	x	.
Arnica mollis		. V	III	I	.	II	.	.	.	.	.	III	.	.	.	.	.	III	V	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Potentilla diversifolia		. V	II	+	II	II	II	V	.	II	4	V	V	x	x	.	.	.	.	.	.	.	.	.	.	.	x	.	.	.	.	.	.	.	.	x	.
Castilleja occidentalis		. +	+ ^r	+ ^r	II	.	.	IV?	III	.	4?	III	.	x	.	.	.	III	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Salix arctica		. .	r	.	+	.	.	III	I	I	3	V	.	x	x	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Epilobium angustifolium		. .	.	.	III	IV	IV	.	.	II	1	II	V	x	.	x	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	x	x	
Fragaria virginiana	. .	.	.	I	V	I	.	III	2	V	V	x	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	x	.	.	.	.	r	.	
Abies lasiocarpa	. .	I	I	V	IV	V	.	.	.	.	V	I	.	.	.	.	III	.	3	.	.	.	.	4	.	.	.	.	.	.	.	.	.	.	.	.
ALLIANCE Lupino latifolii-Valerianion sitchensis (western-coastal alliance)																																							
VD	Lupinus latifolius	. .	.	.	.	.	.	.	.	.	.	.	.	.	.	x	IV	I	2	.	.	x	x	x	3	V	x	V	x	4	x	x	1	I	5	x	.
	Polygonum bistortioides	. V	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	x	.	4	x	x	.	.	.	.	.
	Potentilla flabelliformis	. .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	II	x	II	.	4	.	.	.	.	.	.	.	.
	Castilleja parviflora	. .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Ligusticum grayi	. .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Festuca viridula	. .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Erythronium montanum	. .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Polemonium pulcherrimum	. .	.	.	.	.	.	.	.	.	.	II	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Vaccinium deliciosum	. .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Aster ledophyllus	. .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Other local / regional diagnostic groups*																																						
	Xerophyllum tenax	. .	I	I	IV	I	II	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Gentiana calycosa	. II	I	.	II	II	II	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Carex podocarpa	. .	+	II	II	.	I	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	x	
Vaccinium membranaceum	. .	I	I	II	.	II	.	II	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Hypericum formosum	. .	IV	III	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Senecio cymbalarioides	. .	III	II	II	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Pohlia sp.	. III	III	II	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Polytrichum alpinum	. I	IV	IV	.	.	.	II	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Arnica diversifolia	. .	IV	IV	.	.	.	.	.	.	.	.	.	x	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Hieracium gracile	. .	IV	IV	.	.	.	.	.	.	II	.	.	.	.	.	.	.	I	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Pinus albicaulis	. .	.	.	IV	II	II	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	x	II	.	.	.	x	.	.	.	.	.
Angelica dawsonii	. .	.	.	III	V	II	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Arabis drummondii	. .	I	.	II	V	IV	.	.	.	.	I	IV	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Elymus glaucus	. .	I	.	III	IV	II	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	I	.	.	.	.	.	.	.	x	.	.	.	
Sedum lanceolatum	. .	.	+	II	IV	II	.	.	.	.	.	.	x	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Ribes lacustris	. .	.	.	III	IV	II	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Heraclium lanatum	. .	.</																																					

Notice: This table is abbreviated. The complete table can be obtained from the author.

Values are constancies where available. "Prominence values" have not been recalculated thus are represented as presence/absence only.

*= most of these species are common in *Caricetalia nigricantis* as well

^o= local diagnostic groups; only selected species with high constancy

?= *Castilleja* sp. was lumped with *Castilleja occidentalis*

~ = six out of ten samples of Achuff neglected since those are identical to his table 68 (1984)

x^p = listed by Pojar (1991) as *Luzula parviflora*

x= present

^{cf} = uncertain identification