

Table 7

Association Table

Oxytropido campestris-Bupleuretum americani ass. nov.

		Oxytropido campestris-Bupleuretum americani																																																												
		Variant of Dryas octopetala								typicum								Variant of Festuca idahoensis								Variant of Selaginella wallacei																																				
Location	Plot-Number	Bis	SPP	SPP	SPP	SpS	CaR	Fir	CaR	CaR	CaR	SPP	SPP	SPP	SpW	SPP	SPP	SpE	ApV	SpS	SpS	SPP	SpE	MeS	Spo	Spo	Spo	ApV	ApV	ApV	ApV	ApV	ApV	ApV	ApV	ApP	ApP	ApV	ApV	AKV	AIn	ApV	ApV	Bar	ApV																	
Elevation [m/10]	Aspect [°]	Slope [%]	Parent Material	Rocks >6cm	Rocks <6cm	Fine Soil <1mm	Litter Cover [%]	Vascular Plant Cover [%]	Moss Cover [%]	Lichen Cover [%]	Vegetation Pattern	Number	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	37	38	39	40	41	42	43	44	45	46	47	48	49	Constancy

Minor species:

Vascular plants: *Carex phaeocephala* 2+, 3+, 4+, 8x, 16+, 17, 1, 18+, 24r, 26+, 35+, 37+, 42r, 43rd, 44+, 49+; *Heuchera paviflora* 1r, 4r, 6r, 14x, 15r, 18r, 20r, 21r, 22+, 25+, 37r, 39r, 45r; *Hedysarum sulphurescens* 1r, 5r, 7+, 10r, 20+, 21r, 22+, 30r, 31+, 37r, 38r, 45+, 48rd; *Anemone multifida* 5r, 8x, 20r, 23+, 30r, 37r, 39r, 42r, 46r, 47r, 49r; *Linum perenne* 9r, 21+, 22+, 23r, 31r, 33+, 40r, 45+, 46r, 47+; *Astragalus bourgoyi* 7+, 8x, 9r, 10r, 11+, 14+, 20+, 29r, 43r; *Arenaria capillaris* 2+, 3+, 4+, 8x, 16+, 17r, 18+, 19r, 32r, 48+, 49r; *Koeleria cristata* 16+, 18+, 20+, 21+, 22+, 24r, 36+, 37+, 48r; *Lomatium macrocarpon* 21+, 22r, 29+, 31+, 33+, 41+, 46+, 47r; *Allium cernuum* 21r, 22r, 35r, 41+, 43r, 44r, 45+, 49r; *Gaillardia aristata* 14r, 15r, 20+, 21+, 22+, 48r; *Carex epipapposa* 2r, 6r, 18r, 21+, 22r, 24+; *Artemisia michauxiana* 15r, 16r, 23r, 30r, 31r, 47r; *Poa secunda* 1r, 2r, 16+, 18+, 22r, 28r; *Erigeron* sp. 5+, 21+, 22+, 36r, 42r, 47+; *Mertensia viridis* 11r, 12r, 37r, 40r, 45+; *Antennaria alpina* 2r, 3r, 4x, 13r, 16r; *Potentilla glandulosa* 30r, 31r, 41r, 47r, 48r; *Arctostaphylos uva-ursi* 7r, 8x, 41+, 42r, 43r; *Astragalus aboriginum* 5+, 14+, 37+, 41+, 47+, 49r; *Carex petasata* 20+c, 21+, 22+, 25+, 48r; *Polemonium pulcherrimum* 9+, 11+, 12+, 21r, 25+; *Chrysopsis villosa* 5r, 15+, 20+, 22r, 47+; *Carex scirpoidea* 14r, 16r, 23+, 24+, 41+; *Agrostis* sp. 2r, 13r, 14r, 30r, 31r; *Juniperus communis* 36r, 39+, 41r, 44+; *Amica yrdbergii* 25r, 31+, 38r, 39+; *Antennaria* sp. 20+, 21r, 22+, 33r; *Danthonia intermedia* 20+, 23+, 41+; *Hieracium* sp. 19r, 30r, 32r; *Erigeron* cf. *simplex* 29x, 30r, 31r; *Potentilla hippiana* 22r, 33r, 48r, 49r; *Erigeron caespitosus* 20+⁴⁵, 35r, 41+, 49r; *Sedum tetrapetalum* 26+, 27r, 28+; *Anemone paviflora* 8x, 10r, 42r; *Zigadenus elegans* 5+, 7+, 23+; *Artemisia campestris* 26r, 27r, 49r; *Astragalus* sp. 30+, 31+; *Saxifraga cespitosa* 7r, 11+; *Carex nardina* 6+, 20+⁴⁵; *Draba* *paysanii* 20r, 22r; *Lecanora thomsonii* cf. 38p, 47r; *Heuchera cylindrica* 47r, 48+; *Helleictotrichon hookeri* 37r, 38r; *Allium* sp. 31+; *Phacelia sericea* 25r, 47r; *Carex* sp. 15+, 17r; *Carex obtusata* 1+, 17x; *Festuca* sp. 19r, 32r; *Draba* sp. 7r, 20+; *Antennaria microphylla* 13+, 16+, *Anemone drummondii* 39r; *Dodecatheon conjugens* 37+; *Erigeron caespitosus* 35+; *Aster foliaceus* 38r; *Hieracium canadense* 37r; *Bromus pumpellianus* 45+; *Agropyron spicatum* 47+; *Castilleja lutescens* 48r; *Stenanthium occidentale* 44r; *Agropyron latiglume* 6+; *Rosa* sp. 41r; *Agoseris* sp. 42r; *Antennaria aromatica* 14+; *Poaceae* sp. 7x; *Carex elynoides* 25+⁴⁵; *Antennaria* cf. *argentea* 13+; *Lupinus sericeus* 20+; *Arenaria nuttallii* 12+; *Agrostis scabra* 23+; *Phlox* sp. 14+; *Penstemon* sp. 9r; *Antennaria anaphaloides* 35r; *Deschampsia cespitosa* 19r; *Comandra umbellata* 1+, *Potentilla* sp. 9r;

Bryophytes: Thuidium abietinum 7:p, 9:p, 10:p, 11:p, 12:p, 35:p, 39:p, 43:p, 44:p, 45:p; Dicranum sp. 7:p, 8:p, 9:p, 10:p, 11:p, 12:p, 39:p, 43:p, 44:p, 45:p;
Homalothecium sp. 7:p, 9:p, 10:p, 11:p, 12:p, 39:p, 43:p, 44:p, 45:p; Brachythecium sp. 3:p, 7:p, 9:p, 10:p, 11:p, 12:p, 38:p, 43:p, 45:p; Mnium arizonicum 1:p, 18:p, 22:p, 37:p, 43:p, 44:p, 45:p;
Pterygandrium filiforme 39:p, 43:p, 44:p, 48:p; Bryum sp. 2:2p, 3:p, 7:p, 11:p, 19:p, 30:p, 31:p, 34:p; Dicranum spadicum 7:p^{cd}, 10:p, 11:p, 45:p; Eurhynchium pulchellum 10:p, 11:p, 30:p; Pogonatum urnigerum 11:p, 32:p, 37:p; Brachythecium albicans 8:p, 24:p, 43:p; Rhytidiu rugosum 43:p, 44:p; Barbula sp. 7:p, 37:p, 38:p; Dicranum acutifolium 7:p, 11:p; Tortella inclinata 9:p^d, 16:p^d; Hylocomium splendens 43:p, 44:p; Bryum argenteum 1:p, 25:p; Tortella humilis 7:p^d; Myurella julacea 39:p;
Dicranum brevifolium 39:p; Bryum sp. 19:p; Sanionia uncinata 7:p; Polytrichum sp. 11:p; Kaeria blyttii 45:p^d; Bryum capillare 37:p, 49:p; Hypnum sp. 11:p^d; Dicranaceae sp. 43:p; Racomitrium canescens 44:p; Dicranum scoparium 9:p^{cd}; Hepaticae sp. 9:p, 33:p; Moss sp. 20:p, 23:p;

Ichneens: *Cladonia pyxidata* 12pc, 17p, 21p, 35p, 36p, 37p, 43p, 45p; *Calopaca ammiospila* 1, 3p, 5p, 7p, 11p, 12p, 23p, 38p, 44p, 45p; *Calopaca sticticidiorum* 1p, 9p, 11, 14p, 15p, 20p, 21p, 22p, 45p; *Brown-black soil crust* 2p, 3p, 7p, 15p, 19p, 23p, 29p, 42p, 46p, 48p, 49p; *Candelariella* sp. 7p, 9t, 12pc, 35p, 36p, 37p, 38p, 48p, 49p; *Umbilicaria polyphylla* 5p, 17p, 19p, 32p, 33p, 34p, 36p, 42p; *Rinodina mniaræa* 2p, 11p, 22p, 31p, 33p^d, 38p, 48p; *Calopaca fraudans* 5p, 20p, 25p, 35p, 39pc, 41p^d, 46p, 49p; *Rinodina spec2* 3p, 9p, 12p, 14p, 17p, 23p, 24p; *Rinodina surfacea* 1p, 3p, 33p, 37p, 45p, 46p; *Rinodina spec3* 11p, 14p, 16p, 20p, 23p, 46p; *Psoroma hypnorum* 1p, 2p, 3p, 11p, 38p, 39p, 49p; *Cetraria islandica* 8p, 11p, 26p, 38p, 44p, 48p; *Cetraria commixta* 2p, 3p, 9p, 10p, 11p, 36p; *Acarospora fuscata* 5pc, 15p, 17p, 20p^d, 38p, 46pc; *Rinodina* sp. 11p, 19p, 26p, 32p, 37p, 42pc, 49p; *Rinodina spec1* 5p, 7p, 15p, 17p, 23p; *Lecidea* sp. 2pc, 3pc, 7pc, 30p, 38p; *Lecanora epibryon* 7p, 11p, 12p; *Peltigera praetextata* 7pc, 9p, 11pc, 12pc, 31p; *Stereocaulon alpinum* 7pc, 11p, 1p; *Hypogymnia physodes* 5p, 6x^d, 10p, 45p; *Masallagonia carosa* 3p^d, 4p, 30p^d, 33p^d; *Umbilicaria* sp. 11p, 12p; *Calopaca jungermanniae* 1p, 11p, 14p, 32p, 39p, 49p; *Ochrolechia* sp. 11p^d, 14p; *Rhizocarpon* sp. 1p, 14pc; *Lecidea armenica* 1p; *Catapyrenium cinereum* 1p; *Physcia caesia* 1p; *Solorina* sp. 1p; *Peltigera canina* 1p; *Xanthoria* sp. 1p; *Lichen* sp. 1p, 11p, 19p, 46p^d, 49p^d; *Peltigera kristinssonii* 1p, 10p^d, 43p; *Leptogium* sp. 1p, 23p, 37p; *Lecanora badia* 1p, 39p; *Bryanora castanea* 1p, 39p, 48p; *Pseudophebe minuscula* 1p, 15p, 36p, 37p, 39p, 44p^d, 48p, 49p; *Pseudophebe* sp. 2p, 3p, 4p, 12p, 19p, 32p, 41p, 42p; *Pseudophebe pubescens* 3p, 15p, 37p; *Lecidea auriculata* 5p; *Aspicilia cortorta* 4pc, 4p, 11p^d, 25p, 38p, 48p; *Bryoria chalybeiformis* 5p, 37p; *Toninia lobulata* 7p^d; *Cladonia sinapisperma* 7p; *Lepraria* sp. 7p^d, 17p, 48p; *Toninia* sp. 7p^d, 34p^d; *Trappeliopsis granulosa* 7p^d, 42p^d; *Peltigera malacea* 7p, 9p, 35p, 43p, 48p; *Cladonia cervicornis* 9p; *Diploschistes* sp. 9p^d, 36p, 49p; *Alectoria chalybeiformis* (=Bry 9p, 39p, 40p); *Hypogymnia austrodes* 10p; *Umbilicaria cf. torrefacta* 10p, 34p; *Peltigera elisabethae* 10p, 45p^d; *Ochrolechia geminipila* 10p, 45p; *Cladonia tessellata* 10p^d, 45p; *Calopaca tetraspila* 10p, 39p^d; *Peltigera polydactyla* 12p; *Lecanora* sp. 12p; *Dermatocarpus* sp. 14p; *Phaeorhiza nimboisa* 15p, 23p, 25p; *Candelariella terrigena* 15p, 23p; *Lecidoma demissum* 15p, 17p, 36p^d, 48p; *Dimelaena oreina* 15p; *Apronia gleboisa* 15p, 23p, 41p; *Umbilicaria vellea* 20p; *Cladonia spec2* 11p, 39p, 43p; *Peltigera aphthosa* 10p, 39p, 43p, 44p; *Cladina mitis* 8p, 39p, 40p, 43p, 44p; *Psora* sp. 32p, 34p^d, 49p^d; *Sporastatia testudinea* 1p, 36p, 37p, 45p, 49p; *Lecanora thompsonii* 25p, 35p, 36p^d; *Calopaca* sp. 18p, 37p, 38p; *Lecanora rupicola* 27p, 36p, 37p, 38p, 48p; *Diploschistes muscorum* 32p, 37p, 41p, 49p; *Sphaerophorus* sp. 31p; *Rinodina cf. archæa* 35p, 37p, 38p, 48p, 49p; *Umbilicaria cf. proboscidea* 34p; *Cladonia macrophyllodes* 35p; *Rinodina cin*? 35p; *Parmelia saxatilis* 36p, 39p, 43p, 44p; *Melanella stygia* 36p; *Pseudophebe pubescens* 36p; *Staurouthelia testudinea* 36p; *Bacidia* sp. 37p; *Polychidium* sp. 37p; *Buellia geophila* 37p; *Peltigera cf. horizontalis* 37p; *Hypogymnia* sp. 37p; *Cladonia chlorophaea* 38p, 49p; *Stereocaulon spec2* 39p; *Cladonia multiformis* 39p; *Polychidium muscicola* 39p, 45p; *Peltigera* sp. 2, 43p, 44p; *Sarcogyna* sp. 42p; *Cladonia cf. bellifloria* 43p; *Dactylina ramulosa* 43p; *Hypogymnia tubulosa* 45p; *Hypogymnia cf. farinosa* 45p; *Cladonia farinosa* 45p; *Cetraria tilessi* 48p; *Xanthoparmelia cf. colo.* 49p; *Endocarpus* sp. 49p; *Acarospora cf. schleicheri* 49p; *Mycobilimbia berengeriana* 49p; *Catapyrenium* sp. 49p;

Notice:

p^w = probably *Xanthoparmelia wyomingica*