

Additional file 1 Species list of the 58 understory plant species observed within the 15 paired plots. Nomenclature follows the USDA Plants Database (USDA NRCS 2017).

Scientific name	Common name
<i>Achillea millefolium</i> L.	common yarrow
<i>Amaranthus retroflexus</i> L.	redroot amaranth
<i>Amelanchier alnifolia</i> (Nutt.) Nutt. ex M. Roem.	Saskatoon serviceberry
<i>Antennaria</i> spp. Gaertn.	pussytoes
<i>Arctostaphylos uva-ursi</i> (L.) Spreng.	kinnikinnick
<i>Argentina anserina</i> (L.) Rydb.	silverweed cinquefoil
<i>Arnica cordifolia</i> Hook.	heartleaf arnica
<i>Athyrium</i> spp. Roth	ladyfern
<i>Berberis aquifolium</i> Pursh	hollyleaved barberry
<i>Buxus</i> spp. L.	boxwood
<i>Calamagrostis rubescens</i> Buckley	pinegrass
<i>Calyptidium roseum</i> S. Watson	rosy pussypaws
<i>Carex garberi</i> Fernald	elk sedge
<i>Castilleja</i> spp. Mutis ex L. f.	Indian paintbrush
<i>Ceanothus sanguineus</i> Pursh	redstem ceanothus
<i>Chimaphila umbellata</i> (L.) W.P.C. Barton ssp. <i>occidentalis</i> (Rydb.) Hultén	pipsissewa
<i>Cirsium vulgare</i> (Savi) Ten.	bull thistle
<i>Clintonia uniflora</i> (Menzies ex Schult. & Schult. F.) Kunth	bride's bonnet
<i>Collinsia linearis</i> A. Gray	narrowleaf blue eyed Mary
<i>Collinsia</i> spp. Nutt.	blue eyed Mary
<i>Collinsia parryi</i> A. Gray	parry's blue eyed Mary
<i>Crepis</i> spp. L.	hawksbeard
<i>Cryptantha</i> Lehm. ex G. Don	cryptantha
<i>Epilobium angustifolium</i> L.	fireweed
<i>Festuca idahoensis</i> Elmer	Idaho fescue
<i>Fragaria</i> spp. L.	strawberry
<i>Galium odoratum</i> (L.) Scop.	sweetscented bedstraw
<i>Hieracium albiflorum</i> Hook.	white hawkweed
<i>Hieracium aurantiacum</i> L.	orange hawkweed
<i>Lappula</i> spp. Moench	stickseed
<i>Linnaea borealis</i> L.	longtube twinflower
<i>Lilium</i> spp. L.	lily
<i>Lupinus</i> spp. L.	lupine
<i>Lupinus latifolius</i> Lindl. ex J. Agardh	broadleaf lupine
<i>Maianthemum racemosum</i> (L.) Link	feathery false lily of the valley
<i>Melampyrum</i> spp. L.	cowwheat
<i>Menziesia ferruginea</i> Sm.	rusty menziesia
<i>Moehringia macrophylla</i> (Hook.) Fenzl	largeleaf sandwort
<i>Montia</i> spp. L.	minerslettuce
<i>Oxyria digyna</i> (L.) Hill	alpine mountainsorrel
<i>Paxistima myrsinites</i> (Pursh) Raf.	Oregon boxleaf
<i>Pedicularis bracteosa</i> Benth.	bracted lousewort
<i>Poa pratensis</i> L.	Kentucky bluegrass
<i>Rosa gymnocarpa</i> Nutt.	dwarf rose
<i>Silene douglasii</i> Hook.	Douglas's catchfly
<i>Spiraea</i> spp. L.	spirea
<i>Stachys byzantina</i> K. Koch	woolly hedgenettle
<i>Streptopus amplexifolius</i> (L.) DC.	claspleaf twistedstalk
<i>Symphoricarpos albus</i> (L.) S.F. Blake	common snowberry
<i>Taraxacum officinale</i> F.H. Wigg.	common dandelion
<i>Thalictrum occidentale</i> A. Gray	western meadow-rue
<i>Trifolium grandiflorum</i> (Michx.) Salisb.	white trillium
<i>Trifolium repens</i> L.	white clover
<i>Vaccinium myrtilloides</i> Michx.	velvetleaf huckleberry
<i>Verbascum thapsus</i> L.	common mullein
<i>Viola</i> spp. L.	violet
<i>Zigadenus venenosus</i> S. Watson	death camas