

Pico	Syal h.t.		
	Phma h.t.		
Psme	Caru h.t.	Caru	
		Aruv	1
	Phma h.t.	Phma	1
		Smst	+
Abgr	Phma h.t.	Phma	
		Cooc	
	Libo h.t.	Libo	
		Xete	1
	Asca h.t.	Asca	+
		Tabr	
		Mefe	3
	Setr h.t.		1
		Phma	+
		Clun	1
Clun h.t.		Tabr	
		Mefe	2
		Xete	2
		Vagl	2
		Cooc	1
Thp	Clun h.t.	Clun	1
		Tabr	
		Mefe	5
		Xete	2
		Asca	1
	Asca h.t.	Tabr	
		Mefe	4
	Gydr h.t.		2
	Adpe h.t.		+
	Atfi h.t.	Adpe	
	Atfi	2	
Opho h.t.		1	
Tshe	Clun h.t.	Clun	+
		Arnu	1
		Mefe	6
		Xete	1
	Asca h.t.	Asca	1
	Arnu	4	
	Mefe	7	
Gydr h.t.		+	
Tsmc	Clun h.t.	Mefe	5
		Xete	1
	Mefe h.t.	Xete	1
		Luh	
	Stam h.t.	Mefe	5
	Luh	2	
Xete h.t.	Vagl	1	
	Luh		
Abta	Clun h.t.	Clun	10
		Mefe	4
		Xete	3
		Cooc	3
	Mefe h.t.	Xete	2
		Vasc	1
		Luh	1
	Stam h.t.	Mefe	4
		Lica	4
	Caca h.t.	Caca	7
	Vaca		
	Legl	2	
	Cooc	4	
Xete h.t.	Vagl		
	Vasc	2	
	Luh		
Pico	Vasc h.t.		
	Xete c.t.		
	Vaca c.t.		



A l s i

BETULACEAE
Alnus sinuata (Regel) Rydb.
Alsi

Sitka alder

FORM: Multiple-stemmed shrub, ascending and bushy, up to 3m (10ft) tall, often forming dense thickets.

STEMS: Usually somewhat 3-sided; cambium and triangular pith remaining light not turning rusty colored when freshly cut.

BARK: Thin, smooth, reddish-brown aging to greyish-green with warty lenticles.

BUDS: Sessile, alternate, dark purple, lanceolate with pointed apex, 3mm long (1).

LEAVES: Alternate, deciduous, ovate, 3-10cm (1-4in) long, shiny green, margins doubly serrate with fine sharp teeth, apex acute, sticky when young.

FLOWERS: Male catkins (2) up to 10cm (4in) long, only male catkins are exposed over winter; a cluster of 3-6 persistent, semi-woody, conelike female catkins (3) on thin stalks 15mm long; female catkins developing along with leaves; May-July.

FRUIT: A small winged nutlet (4).

SIMILAR SPECIES: *Alnus Conspectus*, p.33.

HABITAT: Moist montane woods and streambanks.

NOTES: Roots have nitrogen fixing nodules.