



BETULACEAE
Alnus rubra Bong.
 Alru
 red alder

FORM: Rapidly growing trees; up to 25m (80ft) tall.
IDAHO CHAMPION: 1985. 22in dbh; 70in circum.; 110ft tall; 11ft crown=191 pts; Bonner Co.
STEMS: Pith and cambium turns rusty colored when freshly cut.
BARK: Thin, smooth and unplated, grey, often appearing white mottled due to crustose lichens.
BUDS: Lanceolate, stalked (1), blunt to sharply pointed; glabrous; grey to reddish color.
LEAVES: Alternate, deciduous, broadly elliptic, apex acute, 5-15cm (2-6in) long, shiny dark green above, lighter below with rusty pubescence along veins on the underside, margins inrolled (2), doubly serrate-dentate.
FLOWERS: Catkins flower before the leaves enlarge; March-April.
FRUIT: Winged, tiny nutlet (3), in semi-woody cone (4), 1-2cm long.
SIMILAR SPECIES: *Alnus Conspectus*, p.33.
NOTES: A coastal disjunct in northern Idaho found around Coeur d' Alene and Pend Oreille Lakes, and in the Clearwater River Canyon; *Alnus* species, roots have nitrogen fixing nodules.

Syal h.t.		Pt po
Phma h.t.		
Caru	Caru	Psmc
Aruv	h.t.	
Phma	Phma	
Smsr	h.t.	
Phma	Phma	Abgr
Cooc	h.t.	
Libo	Libo	
Xete	h.t.	
Asca	Asca	
Tabr	h.t.	
Mefe		
Setr	h.t.	
Phma		
Clun	Clun	
Tabr	h.t.	
Mefe		
Xete	Xete	
Cooc	h.t.	
Clun		Thp1
Tabr	Clun	
Mefe	h.t.	
Xete		
Asca	Asca	
Tabr	h.t.	
Mefe		
Gydr	h.t.	
+ Adpe	h.t.	
1 Adpe	Atfi	
Atfi	h.t.	
Opho	h.t.	
Clun		Tshe
Arnu	Clun	
Mefe	h.t.	
Xete		
Asca	Asca	
Arnu	h.t.	
3 Mefe		
Gydr	h.t.	
Mefe	Clun	Tsmc
Xete	h.t.	
Xete	Mefe	
Luhi	h.t.	
Mefe	Stam	
Luhi	h.t.	
Vagl	Xete	
Luhi	h.t.	
Clun		Ab1a
Mefe	Clun	
Xete	h.t.	
Cooc		
Xete	Mefe	
Vasc	h.t.	
Luhi		
Mefe	Stam	
Lica	h.t.	
Caca	Caca	
Vaca	h.t.	
Legl		
Cooc		
Vagl	Xete	
Vasc	h.t.	
Luhi		
Vasc	h.t.	Pico
Xete	c.t.	
Vaca	c.t.	