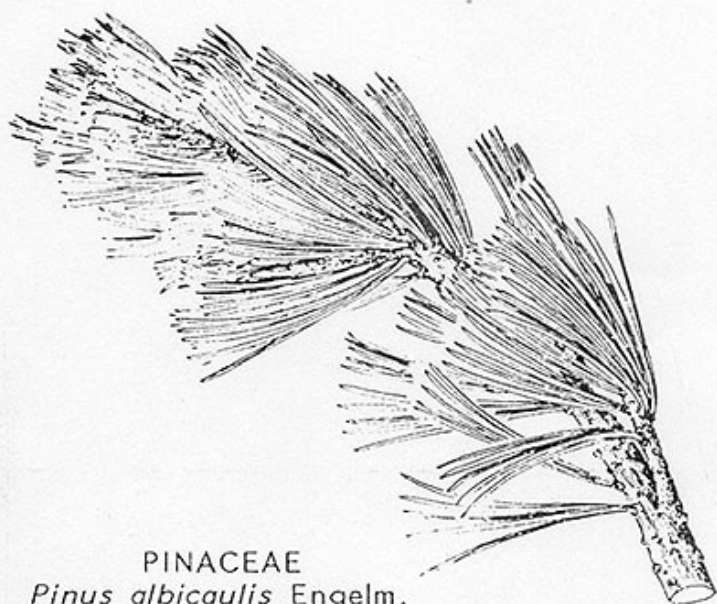


Pipo	Syal h.t.			
Pipo	Phma h.t.			
Psmc	Caru h.t.	Caru		
	Aruv			
	Phma h.t.	Phma		
	Smst			
Abgr	Phma h.t.	Phma		
	Cooc			
	Libo h.t.	Libo		
	Xete			
	Asca h.t.	Asca		
	Tabr			
	Mefe			
	Setr h.t.			
		Phma		
		Clun		
Clun h.t.	Tabr			
	Mefe			
	Xete			
	Vagl			
Cooc				
Thp1	Clun h.t.	Clun		
	Tabr			
	Mefe			
	Xete			
	Asca h.t.	Asca		
	Tabr			
	Mefe			
	Gydr h.t.			
	Adpe h.t.			
	Atfi h.t.	Adpe		
Atfi				
Opho h.t.				
Tshe	Clun h.t.	Clun		
	Arnu			
	Mefe			
	Xete			
	Asca h.t.	Asca		
Arnu				
Mefe				
Gydr h.t.				
Tsmc	Clun h.t.	Mefe	+	
	Xete			
	Mefe h.t.	Xete	1	
	Luhi		3	
	Stam h.t.	Mefe		
Luhi				
Xete h.t.	Vagl	4		
Luhi		6		
Ab1a	Clun h.t.	Clun		
	Mefe			
	Xete			
	Cooc			
	Mefe h.t.	Xete		
	Vasc		5	
	Luhi		6	
	Stam h.t.	Mefe		
	Lica			
	Caca h.t.	Caca	2	
Vaca				
Legl		2		
Xete h.t.	Cooc	1		
	Vagl	3		
	Vasc	3		
	Luhi	10		
Pico	Vasc h.t.			
	Xete c.t.			
	Vaca c.t.			



PINACEAE
Pinus albicaulis Engelm.
Pial

whitebark pine

FORM: Subalpine tree, 5-15m (15-50ft) tall, with broadly branched crown; stunted or decumbent on exposed sites.

NATIONAL CHAMPION: 1980. 105.4in dbh; 331in circum. + 69ft tall + 11.7ft crown= 412pts; Sawtooth NRA, ID.

BARK: Thin, white-grey, scaly; inner bark red-brown.

LEAVES: Needles in bundles of 5, dark green, 3-8cm (1-3in) long; clustered at branch ends.

CONES: Ovoid, deep red to purple-brown, 5-10cm (2-4in) long, thick scales with stout, pointed umbos (1) (protuberances); cones disintegrate on ground, rarely found whole.

ENEMIES: Diseases: White pine blister rust, *Armillaria* species, *Poria subacida*, *Fomes annosus*, *Fomes pini*, *Phaeolus (Polyporus) schweinitzii* and dwarf mistletoe; Insects: mountain pine beetle; Fire: very susceptible.

SIMILAR SPECIES: *Pinus monticola*, p.19, long, light cones; *P. contorta*, p.18; or *P. flexilis* (limber pine), not found in Idaho north of Riggins.

HABITAT: Subalpine slopes and ridges.