**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.

+ 68ft 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 (Polyergus)* *schweinitzii* and dwarf mistletoe; Insects: mountain pine beetle; Fire: very susceptible.

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

**HABITAT:** Subalpine slopes and ridges.