

Region 2 Barrier ID: W183 (Priority Barrier).

Barrier Name: I-80 Crest of the Sierra.

Linear Infrastructure: I-80.

Geographic Area: Nevada County, I-80 at the crest of the Sierra Nevada Mountain Range.

Length: 6.33 km (3.93 mi).

**Target Species:** Mountain lion (*Puma concolor*), black bear (*Ursus americanus*), gray wolf (*Canis lupus*), deer (*Odocoileus hemionus*), Rocky Mountain elk (*Cervus canadensis nelsoni*), small mammals.

**Connectivity Concerns:** This stretch of I-80 has restricted movement due to traffic volume but sits at a peak elevation that is important for climate refugia and bisects the Sierra Nevada Mountain Range restricting north-south movement. The interstate is a linear boundary between the Loyalton-Truckee and Blue Canyon migratory deer herds. Fence is difficult to build due to snow load.

**Remediation Goals:** Expand and enhance existing infrastructure such as culverts and creek/river bridges, add new wildlife crossing structures and wildlife exclusion fencing.



**Figure:** I-80 at the crest of the Sierra Nevada Mountain Range is a Region 2 priority wildlife connectivity barrier.