Post-Visit Report for DEVILS TOWER NATIONAL MONUMENT Mammal Inventory
Bat Inventory – June 2003

Devils Tower was surveyed for bats on the nights of 17 and 18 June, 2003. A third net session was planned for the night of 19 June, but cancelled due to high winds at the Park.

Mist Net Effort

Five mist nets were set in the drainage below Tar Pot Spring on the night of 17 June. Nets were opened at 9:00pm and closed at 1:00am when the temperature dropped below 50°F (48°F). The first mist net capture of the night was a flying squirrel (*Glaucomys sabrinus*). Three bats were subsequently captured, including one *Myotis evotis* (Western long-eared myotis), and two *Myotis lucifugus* (Little brown bats), before the nets had to be closed due to cool temperatures.

Three nets were set over open water in the drainage paralleling and inside the west section of road leading to the Tower on the night of 18 June, 2003. Two of the nets were set below the last pullout on the right (east) side of the road before the curve to the east, and the third was set approximately 100m south of this along the same drainage. Although the wind was brisk, these nets were protected by their position low in the drainage. Considerable bat activity was visually observed prior to darkness. These nets produced 11 bats, including 1 *Myotis evotis* (Western long-eared myotis), 1 *Myotis lucifugus* (Little brown bat), 8 *Myotis thysanodes* (Fringe-tailed bat), and 1 *Myotis septentrionalis* (Northern long-eared myotis).

Acoustic Surveys

Bat detectors were set proximal to each of the netting areas and left to record activity throughout the netting session. The acoustic files recorded during the netting sessions await further funding for analysis and assignation to species where possible.

Alphabetical List of Mammals Captured/Observed at Devils Tower

Glaucomys sabrinus - Northern flying squirrel
Myotis evotis – Western long-eared myotis
Myotis lucifugus – Little brown bat
Myotis septentrionalis – Northern long-eared myotis
Myotis thysanodes – Fringe-tailed bat