

Phonolite Porphyry Sparse Vegetation

COMMON NAME	Phonolite Porphyry Sparse Vegetation
SYNONYM	
PHYSIOGNOMIC CLASS	Sparse vegetation (VII)
PHYSIOGNOMIC SUBCLASS	Consolidated rock sparse vegetation (VII.A)
PHYSIOGNOMIC GROUP	Sparsely vegetated cliffs (VII.A.1)
PHYSIOGNOMIC SUBGROUP	Natural/semi-natural (VII.A.1.N)
FORMATION	Cliffs with sparse vascular vegetation (VII.A.1.N.a)
ALLIANCE	Rock Outcrop / Butte Sparse Vegetation

CLASSIFICATION CONFIDENCE LEVEL 3

USFWS WETLAND SYSTEM Upland

RANGE

Globally

This community has only been identified at Devils Tower National Monument. It is likely that further review will identify it in other areas, as well.

Devils Tower National Monument

This vegetation type occurs on the sides of Devils Tower and on the talus slopes below.

ENVIRONMENTAL DESCRIPTION

Globally

Information not available

Devils Tower National Monument

This vegetation type occurs on exposures of phonolite porphyry, an intrusive igneous rock, on the sides of Devils Tower, and on the talus slopes below. Vegetation is found on pockets of soil on ledges, in cracks, and among talus.

MOST ABUNDANT SPECIES

Globally

Strata Species

Information not available

Devils Tower National Monument

Strata Species

Short shrub *Ribes cereum*, *R. setosum*, *Rhus trilobata*
Herbaceous *Campanula rotundifolia*, *Cystopteris fragilis*

DIAGNOSTIC SPECIES

Globally

Information not available

Devils Tower National Monument

Information not available.

USGS-NPS Vegetation Mapping Program
Devils Tower National Monument

VEGETATION DESCRIPTION

Globally

Information not available.

Devils Tower National Monument

This vegetation type varies greatly in terms of local species composition. The more common species are listed above. Vegetative cover is sparse, usually less than 1%. Lichens are abundant (Marriott 1985)

OTHER NOTEWORTHY SPECIES Information not available.

CONSERVATION RANK G?

RANK JUSTIFICATION

DATABASE CODE Information not available.

COMMENTS

REFERENCES

Marriott, H. 1985. Plant associations and vegetation map of Devils Tower National Monument. Unpublished report prepared for the Devils Tower Natural History Association.