

USGS-NPS Vegetation Mapping Program
Badlands National Park

Shale Barren Slopes Sparse Vegetation

COMMON NAME Shale Barren Slopes Sparse Vegetation
SYNONYM Shale Barren Slopes
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 OPEN CLIFF SPARSE VEGETATION ALLIANCE

CLASSIFICATION CONFIDENCE LEVEL 3

USFWS WETLAND SYSTEM Terrestrial

RANGE

Badlands National Park

Mappable stands of Shale Barren Slopes Sparse Vegetation occur within the Cheyenne River drainage, northwest of the park boundary. This area is under private ownership and was not accessible for survey.

Globally

A few stands are reported in areas near Badlands National Park (Von Loh *et al.* 1999).

ENVIRONMENTAL DESCRIPTION

Badlands National Park

This vegetation type was not observed within the boundaries of Badlands NP. Mappable stands of shale barren slopes occur on private land within the Cheyenne River drainage, and were not surveyed during this study.

Globally

Information not available

MOST ABUNDANT SPECIES

Badlands National Park

Stratum Species

Information not available.

Globally

Stratum Species

Information not available.

CHARACTERISTIC SPECIES

Badlands National Park

Information not available.

Globally

Information not available.

OTHER NOTABLE SPECIES

VEGETATION DESCRIPTION

Badlands National Park

Mappable stands of shale barren slopes occur within the Cheyenne River drainage, northwest of the park boundary. This area is under private ownership and was not accessible for survey.

Globally

Information not available

CONSERVATION RANK G?.

DATABASE CODE CEG002294

MAP UNITS The Shale Barren Slopes Sparse Vegetation type was included in the Badlands Sparse Vegetation Complex, Map Class 2, on the vegetation map. There is no separate map class for this vegetation type.

SIMILAR ASSOCIATIONS

Quercus macrocarpa / *Carex inops* ssp. *heliophila* Woodland (this woodland type also occurs on shale in western South Dakota).

COMMENTS

Badlands National Park

Shale barren slopes were not observed within Badlands NP. Only a few small areas of this sparse vegetation type are included on

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the vegetation map, in the environs northwest of the park, because the current study area includes only a small amount of the Cheyenne River drainage. No shale barren slopes were surveyed during preparation of the vegetation map.

REFERENCES

Von Loh, J., D. Cogan, D. Faber-Langendoen, D. Crawford, and M. Pucherelli. 1999. USGS-NPS Vegetation Mapping Program, Badlands National Park, South Dakota (Final Report). Technical Memorandum No. 8260-00-02. U.S. Bureau of Reclamation Technical Service Center. Denver Colorado.