

Appendix 4. Element occurrence records for rare and sensitive plant and animal species in the potential Deep Creek Research Natural Area.

WYOMING NATURAL DIVERSITY DATABASE  
-Element Occurrence Record-

CYPRIPEDIUM FASCICULATUM

Number: 014

Common Name: CLUSTERED LADY'S-SLIPPER PMORC0Q060  
Data Sensitive?: N Identification verified: Y  
TNC Global Rank: G4 WYNDD State Rank: S2  
Federal Status: Management Status:  
WY List: WY Distribution: DISJUNCT

County: Carbon  
Precision: S USGS Quad Name: SINGER PEAK

Latitude: 411227N Longitude: 1070955W  
South Lat: 411205N East Long: 1070845W  
North Lat: 411227N West Long: 1070955W

Town/Range: Section:  
014N087W 03

T/R/S Comments:  
SW4 of SE4 and SE4 of SE4 of  
SW4

Location: Sierra Madre, base of ridge on southeast side of Douglas Creek, ca 0.75 miles northeast of its confluence with Big Sandstone Creek, ca 1 air mile northwest of Singer Peak (north of FS Road 874 ca 0.5 miles east of FS Road 830).

Last Observed: 1996-06-27 First Observed: 1994-06-28  
Occurrence Rank: AB  
Rank Comments: Population large and extensive, may be locally abundant. Threats low. Some old disturbance at edge of occurrence (old 2-track).

Data: 1996-06-27: Extensive population estimated at 1000-1500 individuals in flower and fruit. Locally common, although often patchy. Plants with clustered stems may represent a single genetic individual. Occurs with CALYPSO BULBOSA, CAREX ROSSII, ERYTHRONIUM GRANDIFLORUM, OSMORHIZA DEPAUPERATA, MAHONIA REPENS, ABIES LASIOCARPA, PEDICULARIS BRACTEOSA, ORTHILIA SECUNDA, FRAGARIA VIRGINIANA, and HIERACIUM ALBIFLORUM.  
1994-06-28: Occurs in an area about 200' along old road (on south side only) and extending about 150' into the lodgepole pine stand. Found only where the understory vegetation is sparse. Some plants in close clusters of 2-6 stems, others single stemmed. Occurs with CALYPSO BULBOSA and CORALLORHIZA MACULATA.

Habitat: PINUS CONTORTA forest upslope of stream corridor with understory dominated by VACCINIUM SCOPARIUM and ARNICA CORDIFOLIA. Vegetative cover typically low (ca 40-50%). Soil rich in needle duff. Microsites usually slightly elevated, on gentle (3-5%) northwest to southwest slopes in semi to full shade. Absent from areas with high graminoid cover in the understory.

Elevation: 8560-8600 feet Size: 25 acres

Comments: This EO is located midway between 2 other occurrences of C. FASCICULATUM. Each occurrence is found in a separate drainage of the Sandstone Creek watershed and are isolated by breaks in available habitat.

Managed Area:  
HAYDEN RANGER DISTRICT  
MEDICINE BOW NATIONAL FOREST

Ownership:

Mgmt Comments: Part of population found along old 2-track road (now closed). Little evidence of herbivory observed, although some stems were found to have aborted flowers. Population is located within the potential Deep Creek

Research Natural Area.

Specimens: Fertig, W. (16692) 1996 (RM).

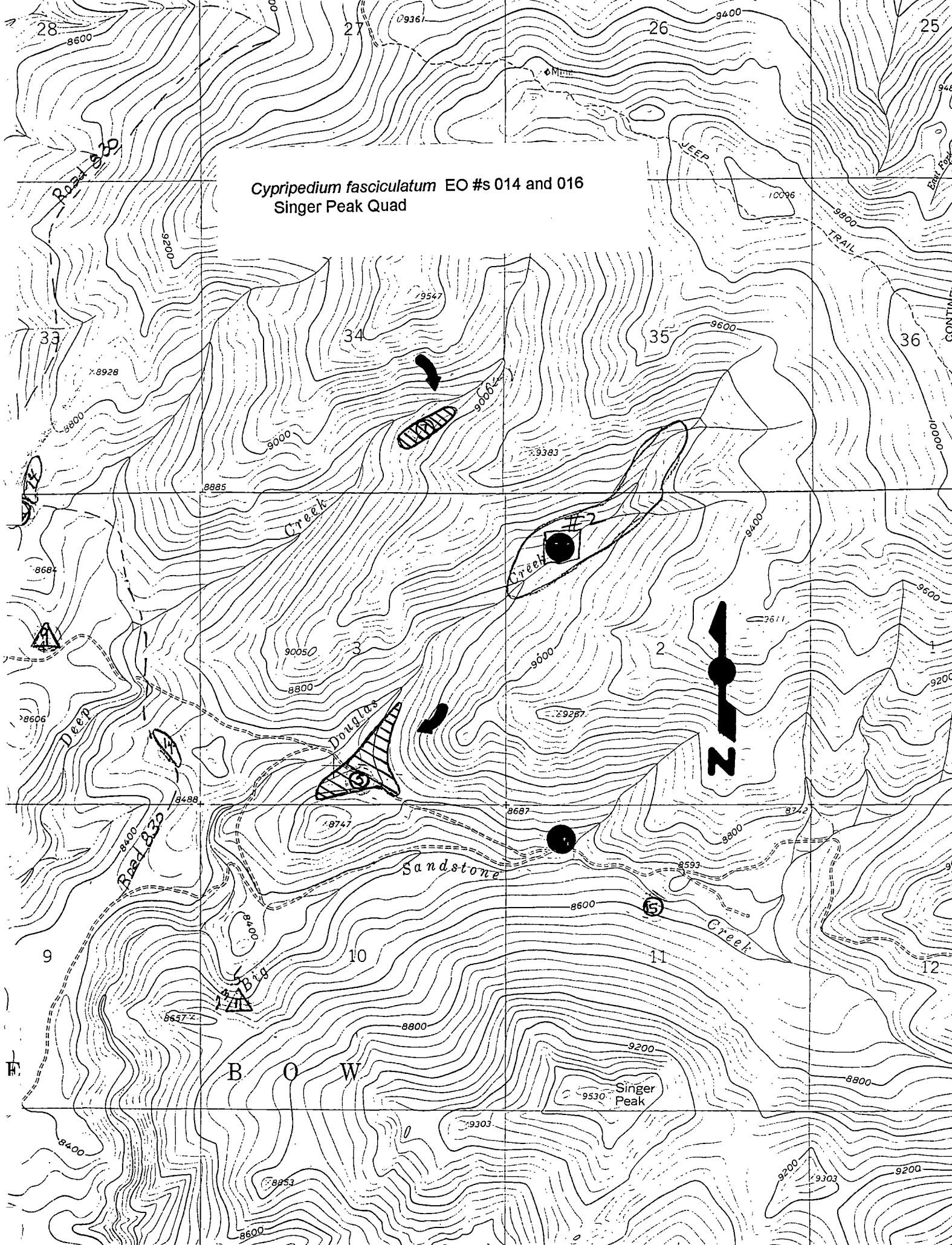
Sources: Fertig, Walter. Botanist. Wyoming Natural Diversity Database, The Nature Conservancy, 1604 Grand Ave., Laramie, WY 82070. (307) 745-5026.  
Haas, Wendy. Hayden Ranger District, Medicine Bow National Forest, Encampment, Wyoming

Author: Walter Fertig

Edition Date: 96-09-18

Wyoming Natural Diversity Database, 1604 Grand Ave., Laramie, WY 82070 - Information as of December, 1995

*Cyripedium fasciculatum* EO #s 014 and 016  
Singer Peak Quad



WYOMING NATURAL DIVERSITY DATABASE  
-Element Occurrence Record-

CYPRIPEDIUM FASCICULATUM

Number: 016

Common Name: CLUSTERED LADY'S-SLIPPER PMORCOQ060  
Data Sensitive?: N Identification verified: Y  
TNC Global Rank: G4 WYNDD State Rank: S2  
Federal Status: Management Status:  
WY List: WY Distribution: DISJUNCT

County: Carbon  
Precision: S USGS Quad Name: SINGER PEAK

Latitude: 411326N Longitude: 1070937W  
South Lat: 411323N East Long: 1070932W  
North Lat: 411330N West Long: 1070945W

Town/Range: Section: T/R/S Comments:  
015N087W 34 NW4 of SE4 of SE4

Location: Sierra Madre Range, east side of Deep Creek ca 1 mile  
northeast of crossing of USFS Road 830, ca 0.6 miles  
northeast of Douglas Creek and ca 2.2 air miles north  
of Singer Peak.

Last Observed: 1996-06-28 First Observed: 1996-06-28  
Occurrence Rank: A  
Rank Comments: Population relatively large, habitat in good  
condition, threats currently low.

Data: 1996-06-28: 111 plants observed in walk-through  
survey; population estimated at 500-700 individuals.  
In flower and vegetative. Stems clustered (may be the  
same genet), individual clusters widely scattered,  
especially on more barren sites. Occurs with sapling  
PICEA ENGELMANNII, ROSA SAYI, LIGUSTICUM PORTERI,  
OSMORHIZA DEPAUPERATA, FRAGARIA VIRGINIANA,  
ERYTHRONIUM GRANDIFLORUM, CLAYTONIA LANCEOLATA, and  
ORTHILIA SECUNDA.

Habitat: PINUS CONTORTA forest with understory of VACCINIUM  
SCOPARIUM and ARNICA CORDIFOLIA on gentle,  
northwest-facing terrace slope above riparian channel.  
Soil humus-rich with surface of needle duff and abundant  
downfall of twigs and trunks. Absent from damp, mossy  
soils, steep slopes, rockier sites, and areas with dense  
graminoid cover in the understory.

Elevation: 8880-8940 feet Size: 8 acres

Comments: This EO is located in the vicinity of 2 other  
occurrences of C. FASCICULATUM in different drainages  
of the Sandstone Creek watershed. Each occurrence is  
separated by breaks in available habitat.

Managed Area:  
HAYDEN RANGER DISTRICT

MEDICINE BOW NATIONAL FOREST

Ownership:

Mgmt. Comments: Area is within the potential Deep Creek  
Research Natural Area.

Specimens: Fertig, W. (16712) 1996 (RM).

Sources: Fertig, Walter. Botanist. Wyoming Natural Diversity  
Database, The Nature Conservancy, 1604 Grand Ave.,  
Laramie, WY 82070. (307) 745-5026.

Author: Walter Fertig

Edition Date: 96-09-18

Wyoming Natural Diversity Database, 1604 Grand Ave., Laramie, WY 82070 - Information as of December, 1995

WYOMING NATURAL DIVERSITY DATABASE  
-Element Occurrence Record-

PHYSARIA VITULIFERA

Number: 006

Common Name: RYDBERG TWINPOD

PDBRA220E0

Data Sensitive?: N Identification verified: Y

TNC Global Rank: G4 WYNDD State Rank: S1

Federal Status: Management Status:

WY List: WY Distribution: REGIONAL ENDEMIC

County: Carbon

Precision: S USGS Quad Name: SINGER PEAK

Latitude: 411312N

Longitude: 1071110W

South Lat: 411230N

East Long: 1071035W

North Lat: 411322N

West Long: 1071112W

Town/Range: Section:

T/R/S Comments:

015N087W 33

E2 of SE4 of SW4

014N087W 04

NE4 of NW4 & SE4 of SE4

Location: Sierra Madre Range, ridge on east side of USFS Road 830 and on west side of North Fork Deep Creek, ca 2.5 air miles northwest of Singer Peak. Second subpopulation on east side of FS Road 830 ca midway between Deep Creek and Big Sandstone Creek ca 1.75 miles northwest of Singer Peak.

Last Observed: 1996-06-28

First Observed: 1996-06-28

Occurrence Rank: AB

Rank Comments: Population relatively large, habitat near road but otherwise in good condition.

Data: 1996-06-28: Three small subpopulations with a total population of ca 1000 rosettes. Largest population of 400-600 plants in Sec 33. Plants in flower and fruit. Replum in fruit very slender and narrow, extending the full length of the rectangular fruit. 2 funiculi per ovule. Occurs with ARENARIA CONGESTA, COLLOMIA LINEARIS, PSEUDOSTELLARIA JAMESIANA, ERIGERON EATONII, LOMATIUM BICOLOR VAR. LEPTOCARPUM, PHLOX MULTIFLORA, SYMPHORICARPOS OREOPHILUS, and ERIGERON CAESPITOSUS.

Habitat: Found in 3 main vegetation types: (1) cushion plant community with low vegetative cover and scattered ARTEMISIA TRIDENTATA and CEANOTHUS VELUTINUS on rim of bare rocky slopes; (2) openings in community of ARTEMISIA TRIDENTATA, CEANOTHUS VELUTINUS, and FESTUCA IDAHOENSIS; (3) ARTEMISIA TRIPARTITA var. RUPICOLA-FESTUCA IDAHOENSIS/LEUCOPOA KINGII community on slopes and rims of brownish-gray slaty sandstone. Absent where cover of sagebrush and ceanothus is quite dense.

Elevation: 8500-8720 feet

Size:

4-6 acres



Comments: Found within the potential Deep Creek Research  
Natural Area.

Managed Area:  
HAYDEN RANGER DISTRICT  
MEDICINE BOW NATIONAL FOREST

Ownership:

Mgmt Comments:

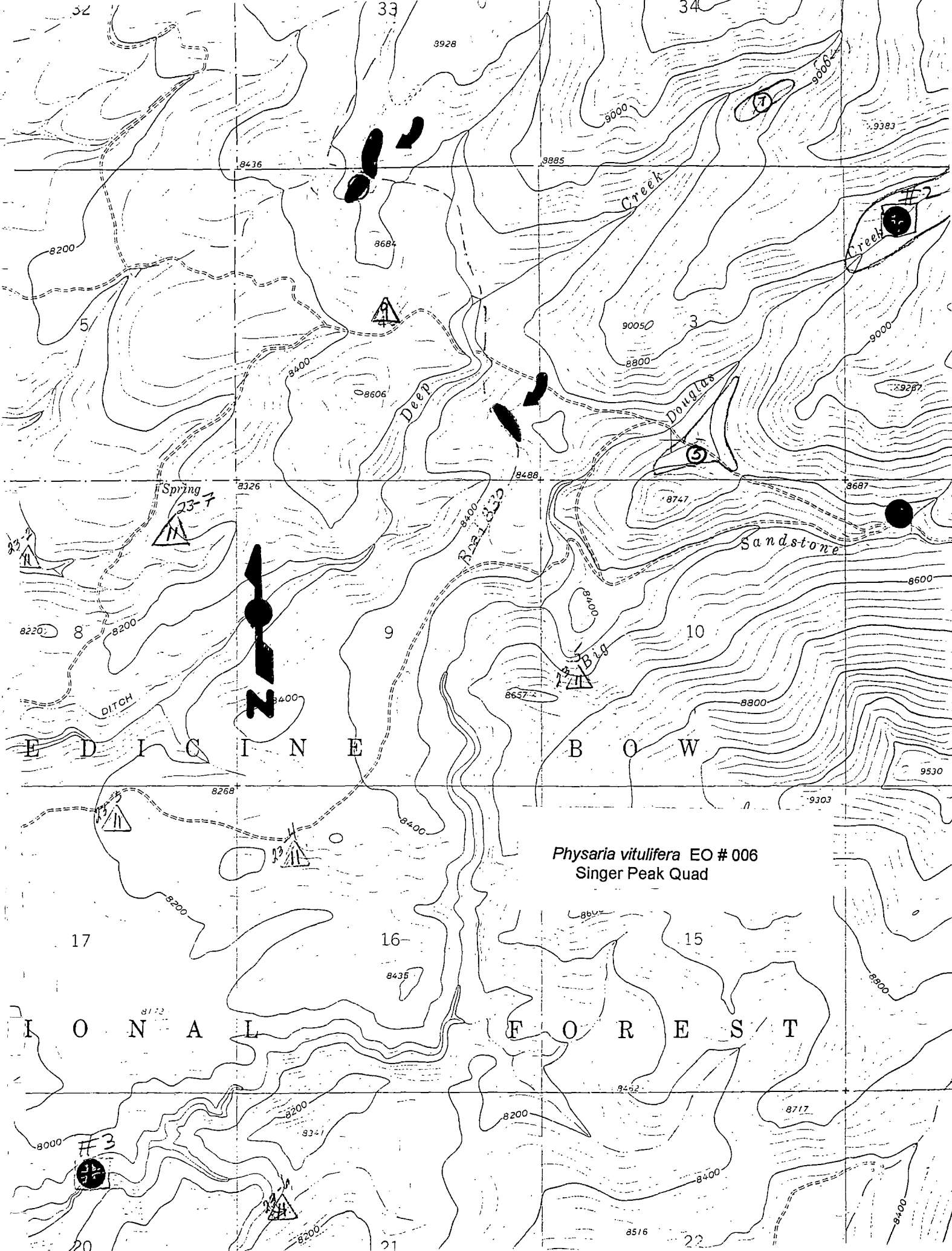
Specimens: Fertig, W. (16699, 16713) 1996 (RM).

Sources: Fertig, Walter. Botanist. Wyoming Natural Diversity  
Database, The Nature Conservancy, 1604 Grand Ave.,  
Laramie, WY 82070. (307) 745-5026.

Author: Walter Fertig

Edition Date: 96-09-16

Wyoming Natural Diversity Database, 1604 Grand Ave., Laramie, WY 82070 - Information as of December, 1995



*Physaria vitulifera* EO # 006  
Singer Peak Quad

I O N A L F O R E S T

WYOMING NATURAL DIVERSITY DATABASE  
-Element Occurrence Record-

ACCIPITER GENTILIS

Number: 023

Common Name: NORTHERN GOSHAWK ABNKC12060  
Data Sensitive?: Y Identification verified: Y  
TNC Global Rank: G5 WYNDD State Rank: S3B,S  
Federal Status: Management Status: S-USFS R2

WY List: WY Distribution: T:23-1-01(X),C:LI

County: Carbon  
Precision: M USGS Quad Name: SINGER PEAK

Latitude: 411119N Longitude: 1071140W  
South Lat: 411018N East Long: 1071020W  
North Lat: 411220N West Long: 1071253W

Town/Range:	Section:	T/R/S Comments:
014N087W	07	NE4: NEST 23-1
014N087W	08	NW4: NEST 23-2, 23-7
014N087W	10	SW4: NEST 23-5
014N087W	16	NW4: NEST 23-4
014N087W	17	NW4: NEST 23-3
014N087W	21	NW4: NEST 23-6

Location: Sierra Madre, Deep Creek area, a tributary of  
Sandstone Creek, about 22 miles west of Emcampment.

Last Observed: 1991 First Observed: 1986  
Occurrence Rank:  
Rank Comments:

Data: 7 nests in this EOR. Nest activity data in optional  
fields 8, 9, 10

Habitat: Aspen stands.

Elevation: 7880-8320 feet Size: acres

Comments: ELEVATION TAKEN FROM QUAD^ NESTS HAVE THE FOLLOWING  
MEDICINE BOW NATIONAL FOREST DATA NUMBERS: 23-1 =  
#81, 23-2 = #61, 23-3 = #21, 23-4 = #64, 23-5 = #65,  
23-6 = #63, 23-7 = #61

Managed Area:  
HAYDEN RANGER DISTRICT  
MEDICINE BOW NATIONAL FOREST

Ownership:

**Mgmt Comments:**

**Specimens:**

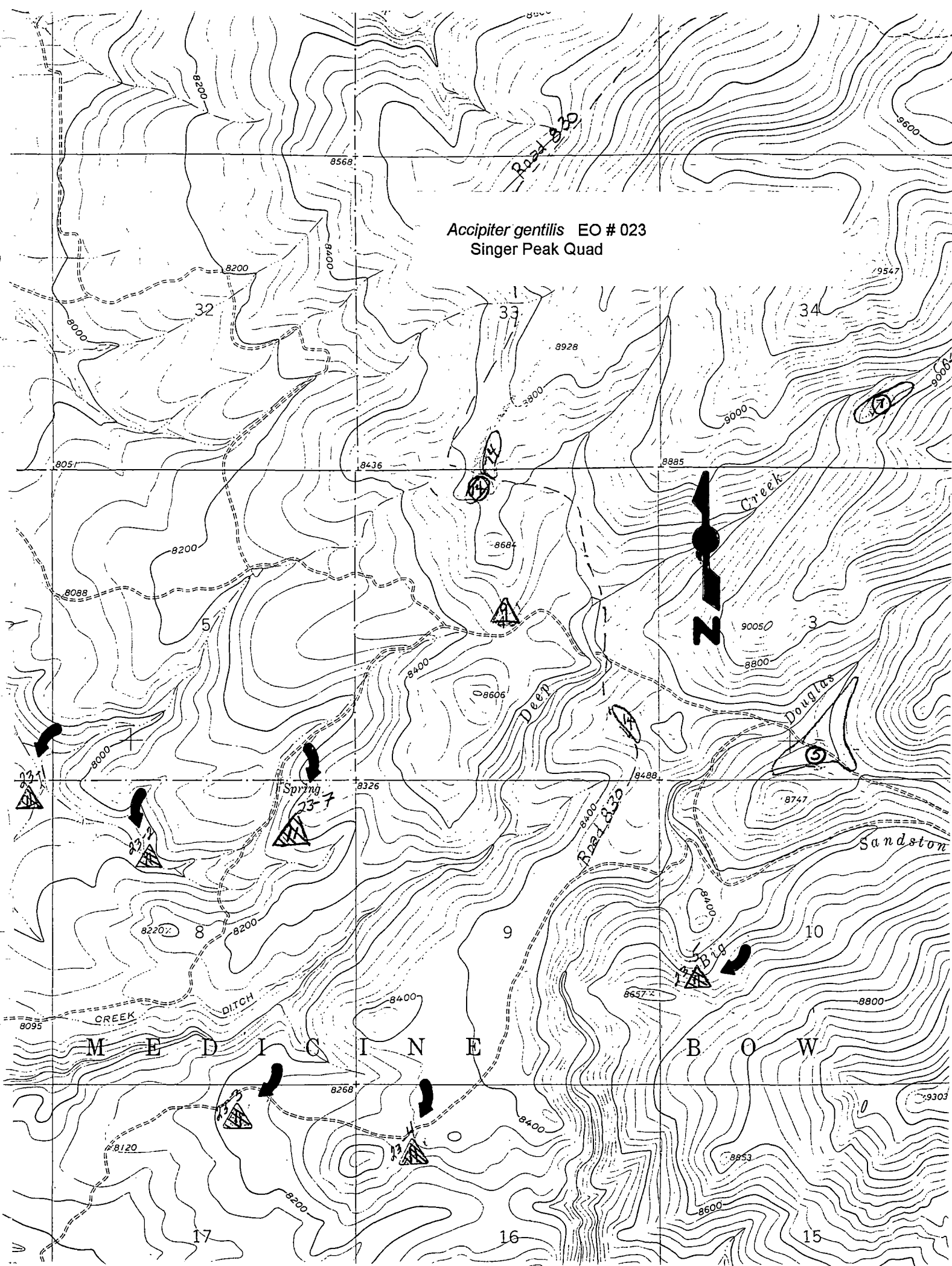
**Sources:** Katterhenry, Joe. Personal communication, 4877 Brosden Lane, Newberg, IN 47630; (812) 853-8474.

**Author:** S. MILLS

**Edition Date:** 94-12-09

Wyoming Natural Diversity Database, 1604 Grand Ave., Laramie, WY 82070 - Information as of December, 1995

*Accipiter gentilis* EO # 023  
Singer Peak Quad



WYOMING NATURAL DIVERSITY DATABASE  
-Element Occurrence Record-

MARTES PENNANTI

Number: 014

Common Name: FISHER  
Data Sensitive?:  
TNC Global Rank: G5  
Federal Status:

Identification verified: ?  
WYNDD State Rank: S1  
Management Status: S-USFS R2  
S-USFS R4  
III-WYGF

AMAJF01020

WY List:

WY Distribution: III-WYGF; T:23-1-

County: Carbon

Precision: M USGS Quad Name: SINGER PEAK

Latitude: 411217N

Longitude: 1070907W

South Lat:

East Long:

North Lat:

West Long:

Town/Range: Section:  
014N087W 11

T/R/S Comments:

Location: Sierra Madre, 1 mile north of Singer Peak, along Big Sandstone Creek (ca 1.2 miles east of FS Road 830).

Last Observed: 1994-SUMMER

First Observed: 1994-SUMMER

Occurrence Rank:

Rank Comments:

Data: 1994-summer: Observed running across the road. "Too big to be a pine marten."

Habitat: Lodgepole pine with sparse understory.

Elevation: 8560- feet Size: acres

Comments:

Managed Area:

HAYDEN RANGER DISTRICT  
MEDICINE BOW NATIONAL FOREST

Ownership:

Mgmt Comments: Marked timber sales in this area.

Specimens:

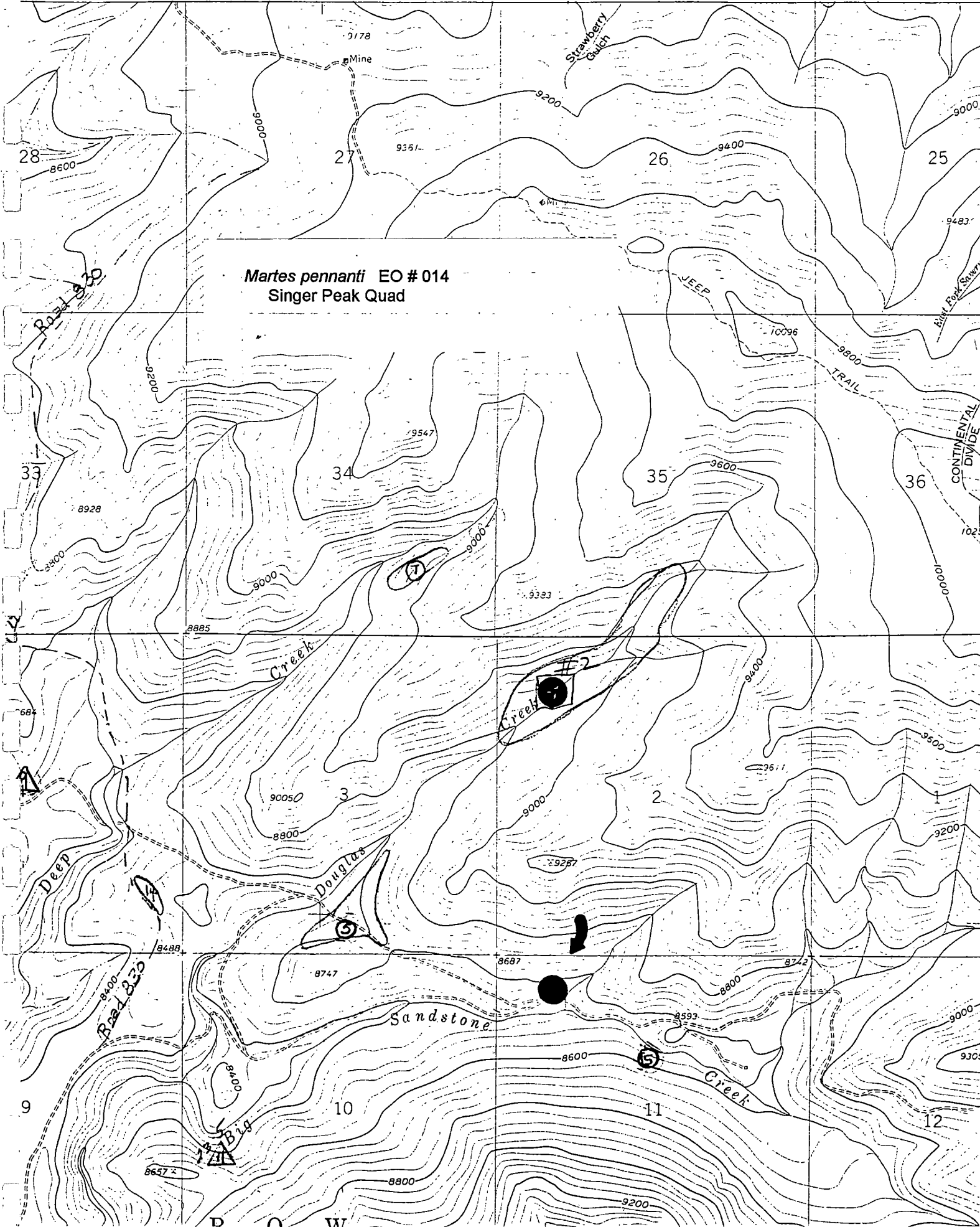
Sources: Redder, Alan, Personal Communication, Former Graduate Student (Zoology) at the University of Wyoming.

Author: S MILLS

Edition Date: 94-09-30

317 318 10' 319 320 FEET 321 10

*Martes pennanti* EO # 014  
Singer Peak Quad



WYOMING NATURAL DIVERSITY DATABASE  
-Element Occurrence Record-

ONCORHYNCHUS CLARKI PLEURITICUS

Number: 001

Common Name: COLORADO RIVER CUTTHROAT TROUT AFCHA02083  
Data Sensitive?: N Identification verified: Y  
TNC Global Rank: G4T2T3 WYNDD State Rank: S2  
Federal Status: Management Status: S-USFS R2  
S-USFS R4

WY List: WY Distribution: T:23-1-01(V)

County: Carbon  
Precision: G USGS Quad Name: SINGER PEAK

Latitude: 411307N Longitude: 1070907W  
South Lat: East Long:  
North Lat: West Long:

Town/Range: Section: T/R/S Comments:  
014N087W 02  
015N087W

Location: Sierra Madre, Vicinity of Douglas Creek, a tributary  
to Big Sandstone Creek. Also reported for adjacent  
Deep Creek, the next drainage to the northwest.

Last Observed: 1977 First Observed: 1977  
Occurrence Rank:  
Rank Comments:

Data: PRESENT IN DRAINAGE

Habitat:

Elevation: 9000- feet Size: acres

Comments: Fishing restrictions (requiring catch and release)  
are in place along these creeks.

Managed Area:  
HAYDEN RANGER DISTRICT  
MEDICINE BOW NATIONAL FOREST

Ownership:

Mgmt Comments:

Specimens:

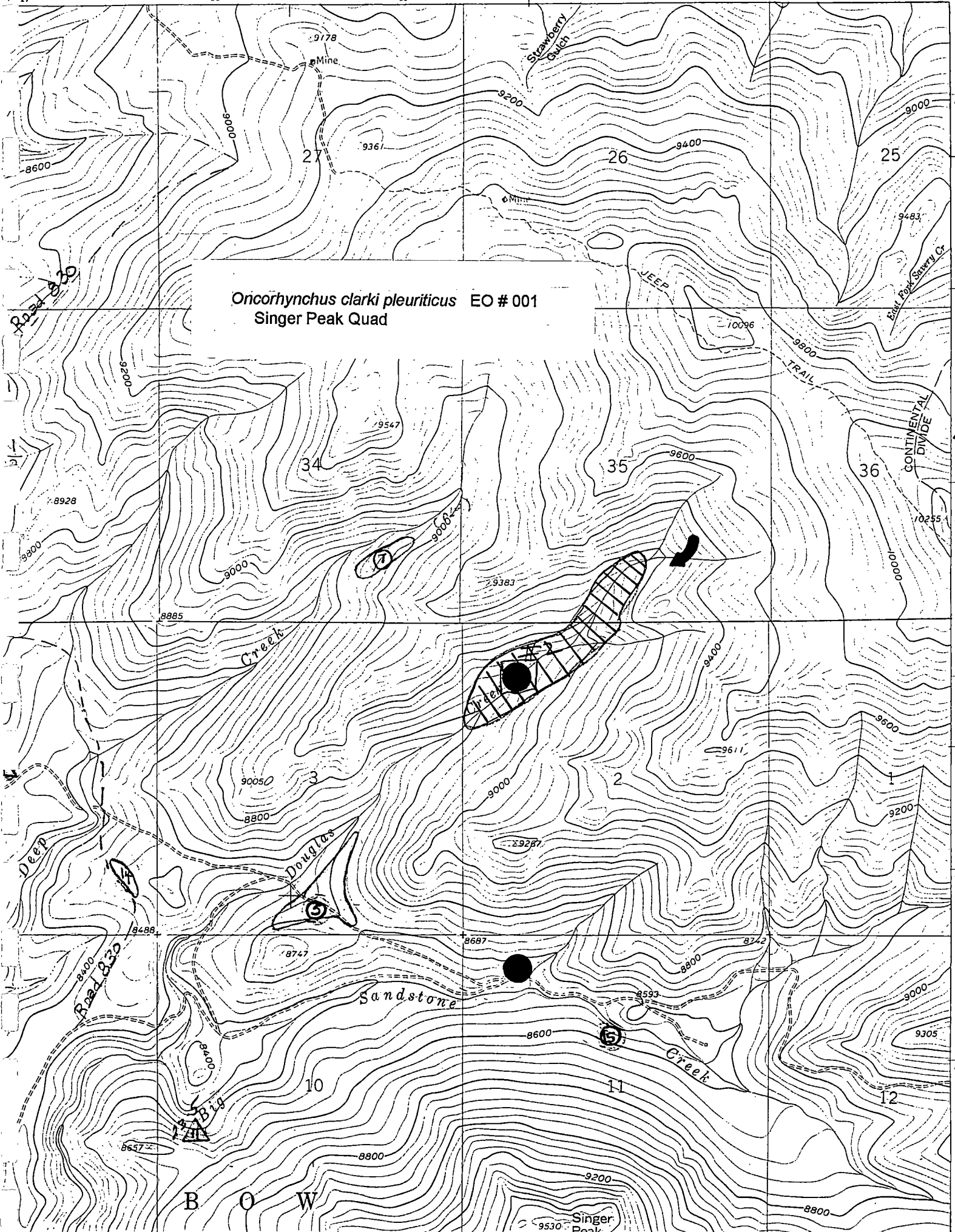
Sources: BINNS, N.A. 1977. PRESENT STATUS OF INDIGENOUS POP.'S  
OF CUTTHROAT TROUT, SALMO CLARKI, IN SW WYOMING WY G &  
F CHEYENNE, WY

Author: Walter Fertig

Edition Date: 96-09-16



*Oncorhynchus clarki pleuriticus* EO # 001  
Singer Peak Quad



Road 820

Strawberry Gulch

25

26

27

25

JEEP TRAIL

CONTINENTAL DIVIDE

34

35

36

Deep Creek

Creek

Douglas Creek

Sandstone Creek

Creek

B O W

Singer Peak