

APPENDIX D.

ELEMENT OCCURRENCE RECORDS FOR
SPECIES OF SPECIAL CONCERN,
BEAR LODGE PASS PROPOSED SPECIAL BOTANICAL AREA

This appendix contains computer records from The Nature Conservancy's element occurrence database for Wyoming, for plant species of special concern found in the Bear Lodge Pass proposed Special Botanical Area. All are rare in Wyoming. At this time, none of the species are considered to be so rare and/or threatened that special management is required to ensure continued viability on Black Hills National Forest. Most occur in the Black Hills at the extreme periphery of their overall range, or as populations disjunct from the main range of the species. The concentration of these peripheral and disjunct species at Bear Lodge Pass make the area somewhat unusual botanically.

NOTE: Botrychium campestre, a candidate for Sensitive status on Black Hills National Forest, was collected in the vicinity of Bear Lodge Pass campground in 1973, but the locaton information on the herbarium label is not precise. The species was not found in the study area in 1989. Even so, an occurrence record for the Bear Lodge Pass collection is included in this appendix.

WYOMING NATURAL DIVERSITY DATABASE
THE NATURE CONSERVANCY

Key to Selected Fields in the Element Occurrence Database

NAME - The scientific name in Latin.

COMNAME - The generally agreed upon common name.

LASTOBS - Date the element was last seen at this location.

GRANK - The global rank assigned by TNC's network of Heritage Programs, based on world-wide distribution and threats. Ranks vary from G1, very rare or greatly threatened, through G5, common and secure.

SRANK - The state rank assigned by each state Heritage Program, based on distribution within the state. Again, these ranks vary from S1, very rare or threatened, through S5, common and secure. These ranks may be different from state to state depending on the range of the taxon in each state.

COUNTYNAME - The county where the occurrence is located. The first 2 letters indicate the state, followed by the first 4 letters of the county. EX: WYALBA = Albany County, Wyoming.

QUADNAME - The name of the USGS 7.5 minute quad.

LAT, LONG - Latitude and longitude of the location if known from mapping procedures.

TOWNRANGE - Legal description of the location of this occurrence, with township given in the first 4 characters (zero for blank characters), and range in the last 4 characters.

SECTION - Legal description of location-section.

MERIDIAN - Meridian upon which legal description is based. For Wyoming, this is the 6th Principal Meridian (6P), except the Wind River Indian Reservation, which is the Wind River Meridian (WR).

TRSCOMM - Comments upon the township, range, and section. Usually, this field contains an indication that more sections are involved or that the township and range may be based on data that is quite old and thus be only an approximate location.

DIRECTIONS - Location of this occurrence related to features on a map, often with access information.

GENDESC - Description of what the area looks like on the ground, the type of substrate, the community where it occurs, etc.

ELEV - Elevation of the location.

SIZE - The size of the occurrence in acres; how large an area this occurrence covers.

EODATA - Information on population size, number of individuals, whether the occurrence is increasing or declining, etc.

COMMENTS - Any other information that is important to this occurrence. Often this field will contain a reference to a museum/herbarium specimen.

MACODE3 - A TNC code for the managing agency if the location is on public land. The middle 6 through 9 characters are the first four letters of the agency's name, e.g. NEWC = Newcastle Resource Area of the BLM, SHOS = Shoshone National Forest; S alone in this field indicates it is state land, probably a school section.

OWNER - If private land, the owner's name if known; otherwise there is an indication that it is private.

OWNERCOMM - Comments about the ownership of the land. There may be an indication that surrounding areas belong to the State of Wyoming or are federal lands.

BESTSOURCE - The best source for information on the site. Quite often it is a person, but could be an article in a journal or a report.

UPDATE - The last date that more information was added to this entire record.

EPCODE: PMCYP03BK0.001
NAME: CAREX RICHARDSONII
COMNAME:
RICHARDSON SEDGE
MARGNUM: 0 TENTEN: IDENT: Y EORANK:
EORANKCOMM:
SURVEYDATE: - LASTOBS: 1963-06-04 FIRSTOBS: 1963 GRANK: G4
SRANK: S1 STATE: WY COUNTYNAME: WYCROO
QUADCODE: 4410463
QUADNAME: THE NOTCH PRECISION: M
LAT: 443920 LONG: 1041930 S: 0 N: 0 E: 0 W: 0
TOWNRANGE: 054N062W SECTION: 20 MERIDIAN: 6P
TRSCOMM: PHYSPROV: WATERSHED:
DIRECTIONS: BEAR LODGE MOUNTAINS, AT THE SUMMIT E OF ALVA (BEAR LODGE PA
SS)

GENDESC: OPEN FOREST OF PINUS PONDEROSA AND QUERCUS MACROCARPA.

ELEV: 4600 SIZE: 0
EODATA: "LOCALLY COMMON."

COMMENTS: HERB. SPECS.: HERMANN, F.J. 9245 (RM).

MACODE1: CONTAINED1: MACODE2: CONTAINED2:
MACODE3: FFSNFBAC1WYUS CONTAINED3: ? ADDLMAS: MORELAND: MOREPROT:
MOREMGMT: SITECODE:
SITENAME:
OWNER:
OWNERCOMM:
PROTCOMM:
MGMTCOMM:
MONITOR: MONITORNUM:
BESTSOURCE: YHERMANN, F.J.

SOURCECODE:

DATASENS: N BOUNDARIES: PHOTOS: OWNERINFO:
TRANSCRIBR: 89-08-09 DRC CDREV: MAPPER: QC:
UPDATE: 89-10-23 HJM

EOCODE: PMCYP03BMO.003

NAME: CAREX ROSEA

COMNAME:

ROSY SEDGE

MARGNUM: 0 TENTEN: IDENT: Y EORANK: B

EOANKCOMM: SITE RELATIVELY SMALL, GRAZED?

SURVEYDATE: 1989-07-07 LASTOBS: 1987-07-07 FIRSTOBS: 1983 GRANK: G5

SRANK: S2 STATE: WY COUNTYNAME: WYCROO

QUADCODE: 4410463

QUADNAME: THE NOTCH PRECISION: SC

LAT: 443915 LONG: 1041920 S: 0 N: 0 E: 0 W: 0

TOWNRANGE: 054N062W SECTION: 20 MERIDIAN: 6P

TRSCOMM: NE4SE4 PHYSPROV: WATERSHED:

DIRECTIONS: NORTHERN BLACK HILLS, BEAR LODGE MOUNTAINS, DRAW SE OF BEAR
LODGE CAMPGROUND, OFF WY HWY 24 AT BEAR LODGE PASS

GENDESC: WET DRAINAGE BOTTOM IN BETULA PAPYRIFERA-CORYLUS CORNUTA WOO
DLAND

ELEV: 4600 SIZE: 2

EODATA:

COMMENTS: HERB. SPECS.: MARRIOTT, H.J. 4156 (RM).

MACODE1: CONTAINED1: MACODE2: CONTAINED2:

MACODE3: FFSNFBLAC1WYUS CONTAINED3: ? ADDLMAS: MORELAND: MOREPROT:

MOREMGMT: SITECODE:

SITENAME:

OWNER: +PRIVATE?

OWNERCOMM:

PROTCOMM:

MGMTCOMM:

MONITOR:

MONITORNUM:

BESTSOURCE: MARRIOTT, H.J.

SOURCECODE: PNDMAR01WYUS

DATASENS: N BOUNDARIES: PHOTOS: OWNERINFO:

TRANSCRIBR: 88-01-17 HJM CDREV:

MAPPER:

QC:

UPDATE: 89-10-23 HJM

ECCODE: PDRHA040K0.001

NAME: CEANOTHUS HERBACEUS

COMNAME:

PRAIRIE REDROOT

MARGNUM: 0 TENTEN: IDENT: Y EORANK: C

EORANKCOMM: SMALL POPULATION, IN CAMPGROUND NEAR HIGHWAY

SURVEYDATE: 1989-07-07 LASTOBS: 1989-07-07 FIRSTOBS: 1980 GRANK: G5

SRANK: S1 STATE: WY COUNTYNAME: WYCROO

QUADCODE: 4410463

QUADNAME: THE NOTCH

PRECISION: S

LAT: 443920 LONG: 1041930 S: 0 N: 0 E: 0 W: 0

TOWNRANGE: 054N062W SECTION: 20 MERIDIAN: 6P

TRSCOMM: CTR

PHYSPROV:

WATERSHED: 10120203

DIRECTIONS: NORTHERN BLACK HILLS, BEAR LODGE MOUNTAINS, BEAR LODGE PASS
ON WY HWY 24, IN & NEAR CAMPGROUND

GENDESC: PONDEROSA PINE FOREST ON SANDY SOIL WITH VERY OPEN UNDERSTOR

Y

ELEV: 4700 SIZE: 2

EODATA: LESS THAN 10 INDIVIDUALS SEEN IN 1989

COMMENTS: HERB. SPECS.: LICHVAR, R.W. 3174 (RM).

MACODE1: CONTAINED1: MACODE2: CONTAINED2:

MACODE3: FFSNFBAC1WYUS CONTAINED3: ? ADDLMAS: MORELAND: MOREPROT:

MOREMGMT: SITECODE:

SITENAME:

OWNER:

OWNERCOMM:

PROTCOMM:

MGMTCOMM:

MONITOR:

BESTSOURCE: MARRIOTT, H.J.

MONITORNUM:

SOURCECODE: PNDMAR01WYUS

DATASENS: N BOUNDARIES: N PHOTOS: N OWNERINFO:

TRANSCRIBR: 80-12-31 LAE CDREV:

MAPPER:

QC:

UPDATE: 89-10-23 HJM

EPCODE: PDPRI01020.002
NAME: CENTUNCULUS MINIMUS
COMNAME:
CHAFFWEED
MARGNUM: 0 TENTEN: IDENT: Y EORANK:
EORANKCOMM:
SURVEYDATE: - LASTOBS: 1962-07-09 FIRSTOBS: 1962 GRANK: G5
SRANK: S1 STATE: WY COUNTYNAME: WYCROO
QUADCODE: 4410463
QUADNAME: THE NOTCH PRECISION: G
LAT: 0 LONG: 0 S: 0 N: 0 E: 0 W: 0
TOWNRANGE: 054N063W SECTION: 20 MERIDIAN: 6P
TRSCOMM: PHYSPROV: WATERSHED:
DIRECTIONS: BEAR LODGE MOUNTAINS AT BEAR LODGE PASS (WY HWY 24)

GENDESC: OPEN PONDEROSA PINE FOREST

ELEV: 4700 SIZE: 0
EODATA:

COMMENTS: HERB. SPEC.: PORTER, C.L. & M.W. 9087 (RM).

MACODE1: CONTAINED1: MACODE2: CONTAINED2:
MACODE3: FFSNFBLAC1WYUS CONTAINED3: ? ADDLMAS: MORELAND: MOREPROT:
MOREMGMT: SITECODE:
SITENAME:
OWNER:
OWNERCOMM:
PROTCOMM:
MGMTCOMM:
MONITOR: MONITORNUM:
BESTSOURCE:

SOURCECODE:

DATASENS: N BOUNDARIES: N PHOTOS: N OWNERINFO:
TRANSCRIBR: 89-08-14 DRC CDREV: MAPPER: QC:
UPDATE: 89-10-23 HJM

ECCODE: PMCYP09230.001

NAME: ELEOCHARIS OVATA

COMNAME:

OVoid SPIKE-RUSH

MARGNUM: 0 TENTEN: IDENT: Y EORANK: C

EO RANK COMM: SMALL STOCKPOND IN PROCESS OF DECAY

SURVEYDATE: 1989-07-07 LASTOBS: 1989-07-07 FIRSTOBS: 1982 GRANK: G?

SRANK: S2 STATE: WY COUNTYNAME: WYCROO

QUADCODE: 4410463

QUADNAME: THE NOTCH

PRECISION: S

LAT: 443918 LONG: 1041945 S: 0 N: 0 E: 0 W: 0

TOWNRANGE: 054N062W SECTION: 20 MERIDIAN: 6P

TRSCOMM: NE4SW4 PHYSPROV: WATERSHED:

DIRECTIONS: NORTHERN BLACK HILLS, BEAR LODGE MTS, BEAR LODGE PASS (WY HW
Y 24). IN SMALL POND CA 200 YDS N OF HWY ACROSS FROM CAMPGR
OUND TURNOFF.

GENDESC: WET POND MARGINS WITH CAREX AND TYPHA.

ELEV: 4700 SIZE: 1

EODATA:

COMMENTS: HERB. SPECS.: MARRIOTT, H.J. 1646, LICHVAR, R.W. 3191 (RM).

MACODE1: CONTAINED1: MACODE2: CONTAINED2:

MACODE3: FFSNFB LAC1WYUS CONTAINED3: Y ADDLMAS: MORELAND: MOREPROT:

MOREMGMT: SITECODE:

SITENAME:

OWNER:

OWNERCOMM:

PROTCOMM:

MGMTCOMM:

MONITOR:

MONITORNUM:

BESTSOURCE: MARRIOTT, H.J.

SOURCECODE: PNDMAR01WYUS

DATASENS: N BOUNDARIES: Y PHOTOS: OWNERINFO:

TRANSCRIBR: 89-08-07 MLN CDREV:

MAPPER:

QC:

UPDATE: 89-10-23 HJM

EOCODE: PMJUN011Z1.002

NAME: JUNCUS NEVADENSIS VAR BADIUS

COMNAME:

SIERRA RUSH

MARGNUM: 0 TENTEN: IDENT: Y EORANK: C

EOANKCOMM: SMALL STOCKPOND IN PROCESS OF DECAY

SURVEYDATE: 1989-07-07 LASTOBS: 1989-07-07 FIRSTOBS: 1982 GRANK: G?T?

SRANK: S2 STATE: WY COUNTYNAME: WYCROO

QUADCODE: 4410463

QUADNAME: THE NOTCH PRECISION: S

LAT: 443918 LONG: 1041945 S: 0 N: 0 E: 0 W: 0

TOWNRANGE: 054N062W SECTION: 20 MERIDIAN: 6P

TRSCOMM: NE4SW4 PHYSPROV: WATERSHED:

DIRECTIONS: NORTHERN BLACK HILLS, BEAR LODGE MOUNTAINS, BEAR LODGE PASS
(WY HWY 24). IN SMALL POND CA 200 YDS N OF HWY ACROSS FROM
CAMPGROUND TURNOFF

GENDESC: SMALL SHALLOW POND WITH CATTAILS

ELEV: 4700 SIZE: 1

EODATA:

COMMENTS: HERB. SPEC.: MARRIOTT, H.J. 1654 (RM).

MACODE1: CONTAINED1: MACODE2: CONTAINED2:

MACODE3: FFSNFBLAC1WYUS CONTAINED3: Y ADDLMAS: MORELAND: MOREPROT:

MOREMGMT: SITECODE:

SITENAME:

OWNER:

OWNERCOMM:

PROTCOMM:

MGMTCOMM:

MONITOR: MONITORNUM:

BESTSOURCE: MARRIOTT, H.J.

SOURCECODE: PNDMAR01WYUS

DATASENS: N BOUNDARIES: Y PHOTOS: OWNERINFO:

TRANSCRIBR: 89-08-09 DRC CDREV: MAPPER: QC:

UPDATE: 89-10-23 HJM

EPCODE: PDBOROP00.005

NAME: MYOSOTIS VERNA

COMNAME:

SPRING FORGET-ME-NOT

MARGNUM: 0 TENTEN: IDENT: Y EORANK:

EOURANKCOMM:

SURVEYDATE: 1962-07-09 LASTOBS: 1962-07-09 FIRSTOBS: 1962 GRANK: G5

SRANK: S1 STATE: WY COUNTYNAME: WYCROO

QUADCODE: 4410463

QUADNAME: THE NOTCH PRECISION: M

LAT: 443920 LONG: 1041930 S: 0 N: 0 E: 0 W: 0

TOWNRANGE: 054N062W SECTION: 20 MERIDIAN: 6P

TRSCOMM: PHYSPROV: WATERSHED:

DIRECTIONS: NORTHERN BLACK HILLS, BEAR LODGE MOUNTAINS, E OF ALVA, AT THE
E SUMMIT (BEAR LODGE PASS ON WY HWY 24)

GENDESC: OPEN PONDEROSA PINE FOREST, MUDDY EDGE OF CATTAIL SWAMP.

ELEV: 4700 SIZE: 0

EODATA:

COMMENTS: HERB. SPECS.: PORTER, C.L. & PORTER, M.W. 9089 (RM).

MACODE1: CONTAINED1: MACODE2: CONTAINED2:

MACODE3: FFSNFBLAC1WYUS CONTAINED3: ? ADDLMAS: MORELAND: MOREPROT:

MOREMGMT: SITECODE:

SITENAME:

OWNER:

OWNERCOMM:

PROTCOMM:

MGMTCOMM:

MONITOR:

MONITORNUM:

BESTSOURCE:

SOURCECODE:

DATASENS: N BOUNDARIES: N PHOTOS: N OWNERINFO:

TRANSCRIBR: 89-07-20 MLN CDREV: MAPPER: QC:

UPDATE: 89-10-23 HJM

EOCODE: PMPOT03070.001

NAME: POTAMOGETON DIVERSIFOLIUS

COMNAME:

WATER-THREAD PONDWEED

MARGNUM: 0 TENTEN: IDENT: Y EORANK: C

EOANKCOMM: SMALL MAN-MADE STOCKPOND IN PROCESS OF DECAY

SURVEYDATE: 1989-07-07 LASTOBS: 1989-07-07 FIRSTOBS: 1979 GRANK: G5

SRANK: S1 STATE: WY COUNTYNAME: WYCROO

QUADCODE: 4410463

QUADNAME: THE NOTCH

PRECISION: S

LAT: 443918 LONG: 1041945 S: 0 N: 0 E: 0 W: 0

TOWNRANGE: 054N062W SECTION: 20 MERIDIAN: 6P

TRSCOMM: NE4SW4 PHYSPROV: WATERSHED: 10120203

DIRECTIONS: NORTHERN BLACK HILLS, BEAR LODGE MOUNTAINS, SUMMIT BETWEEN A
LVA & ALADDIN (BEAR LODGE PASS ON WY HWY 24). IN SMALL POND

CA 200 YDS FROM HWY ACROSS FROM CAMPGROUND TURNOFF.

GENDESC: CATTAIL POND WITH ALISMA, TYPHA, CAREX

ELEV: 4700

SIZE: 1

EODATA:

COMMENTS: HERB. SPECS.: PORTER, C.L. 8344, LICHVAR, R.W. 2465, MARRIOT
T, H.J. 1642, 11059 (RM).

MACODE1: CONTAINED1: MACODE2: CONTAINED2:

MACODE3: FFSNFBAC1WYUS CONTAINED3: Y ADDLMAS: MORELAND: MOREPROT:

MOREMGMT: SITECODE:

SITENAME:

OWNER:

OWNERCOMM:

PROTCOMM:

MGMTCOMM:

MONITOR:

MONITORNUM:

BESTSOURCE: MARRIOTT, H.J.

SOURCECODE: PNDMAR01WYUS

DATASENS: N BOUNDARIES: Y PHOTOS: OWNERINFO:

TRANSCRIBR: 79-12-28 RWL CDREV: MAPPER: QC:

UPDATE: 89-10-23 HJM

EPCODE: PPSEL010Z0.001

NAME: SELAGINELLA RUPESTRIS

COMNAME:

LEDGE SPIKE-MOSS

MARGNUM: 0 TENTEN: IDENT: Y EORANK: C

EOANKCOMM: POPULATION SMALL, MOSTLY WITHIN CAMPGROUND

SURVEYDATE: 1989-05-21 LASTOBS: 1989-07 FIRSTOBS: GRANK: G5

SRANK: S1 STATE: WY COUNTYNAME: WYCROO

QUADCODE: 4410463

QUADNAME: THE NOTCH PRECISION: S

LAT: 443920 LONG: 1041930 S: 0 N: 0 E: 0 W: 0

TOWNRANGE: 054N062W SECTION: 20 MERIDIAN: 6P

TRSCOMM: CENTER PHYSPROV: WATERSHED: 10120201

DIRECTIONS: SUMMIT BETWEEN ALVA AND ALADDIN (BEARLODGE PASS ON WY HWY 24
) , IN CAMPGROUND & JUST N OF HWY ON ROADBANK

GENDESC: VERY SANDY SOIL, PONDEROSA PINE FOREST WITH VERY OPEN UNDERS
TORY

ELEV: 4700 SIZE: 0

EODATA: ESTIMATED 50-100 INDIVIDUALS SCATTERED THROUGHOUT CA 3-ACRE
SITE

COMMENTS: HERB. SPECS.: LICHVAR, R.W. 3179, PORTER, C.L. 9086 (RM).

MACODE1: CONTAINED1: MACODE2: CONTAINED2:

MACODE3: FFSNFBAC1WYUS CONTAINED3: Y ADDLMAS: MORELAND: MOREPROT:

MOREMGMT: SITECODE:

SITENAME:

OWNER:

OWNERCOMM:

PROTCOMM:

MGMTCOMM:

MONITOR:

MONITORNUM:

BESTSOURCE: MARRIOTT, H.J.

SOURCECODE: PNDMAR01WYUS

DATASENS: N BOUNDARIES: Y PHOTOS: OWNERINFO:

TRANSCRIBR: 81-01-12 LAE CDREV: MAPPER: QC:

UPDATE: 89-10-20 HJM