

US Department of the Interior
National Park Service

Outgoing Loan Agreement

Outgoing Loan No. L.2017.002.

NPS Unit (Lender): Guadalupe Mountains National Park

(Street/Box): 400 Pine Canyon Dr

Telephone: (915) 828-3251

(City/State/Zip): Salt Flat TX 79847-

Fax Number: (915) 828-3269

Superintendent (please print): Eric Brunnemann

Shipping Address (if different):

BORROWING INSTITUTION (Borrower): Centennial Museum

(Department):

(Street/Box): University of Texas El Paso 500 W. University

Telephone:

(City/State/Zip/Country): El Paso TX 79968

Fax Number:

Responsible Official (Borrower): Arthur H. Harris

Title:

Shipping Address (if different):

NPS Status: NON-NPS

PURPOSE OF LOAN:

COLLECTIONS MANAGEMENT

Credit Line:

ITEMS IN LOAN:

INITIATION DATE 3/3/2017

TERMINATION DATE: 3/3/2018

INSURANCE AND SHIPPING/PACKING:

Insurance Paid By:

Insurance Company:

Policy No:

Packer:

Shipping Paid By:

Method of Shipping: Outgoing: U.S. Postal Service

Return:

US Department of the Interior
National Park Service

L.2017.002.
Outgoing Loan Number

Outgoing Loan Agreement (Continued)

LOAN CONDITIONS:

Outgoing loans are subject to the terms and conditions noted on the attached Conditions for Outgoing Loans.

Additional Loan Conditions:

SIGNATURES:

ON INITIATION OF THIS AGREEMENT: The undersigned borrower is an authorized agent of the borrowing institution. Signatures indicate agreement to terms specified in this loan agreement and attached conditions.

PLEASE SIGN BOTH COPIES AND RETURN ORIGINAL TO THE NPS.

| | |
|-----------|------|
| | |
| Signature | Date |

A. H. Harris

14 Mar 2017

Arthur H. Harris

Name of Responsible Official (Borrowing Institution), Title (Please print)

| | |
|-----------|------|
| | |
| Signature | Date |

E. Brunnemann

03. 7. 2017

Eric Brunnemann
Name of Superintendent (Lending NPS Unit) (Please print)

RETURN STATUS:

Extension Termination Date: _____

RETURN OF LOAN:

The undersigned is an authorized agent of the lender. Signature acknowledges receipt of all material in good condition or in condition as noted on this agreement or in attached object condition report(s). A signed copy is sent to the borrower to acknowledge the return of the loan.

| | |
|-----------|------|
| | |
| Signature | Date |

Name of Superintendent (Lending NPS Unit) (Please print)

Iurp= Kduiv/#Dukxu
Vhqw= Wxhvvd|/#P dufk#17/#534:#1-87#5P
Wr= P d | ilhog/#Whuhvd
Vxemhfw= IZ #Z rxg#|rx#brn#dw#rp h#erqhv#rup hB

From: Hearst, Jonena [mailto:jonena_hearst@nps.gov]
Sent: Sunday, March 12, 2017 9:22 AM
To: Harris, Arthur <aharris@utep.edu>
Subject: Re: Would you look at some bones for me?

Art

Thank you so much. I had a feeling what I sent you was a very mixed bag. Thank you for looking at the material.

Weather today at the park is heavy fog. Can't see more than 30 ft.

Take Care.

On Fri, Mar 10, 2017 at 2:00 PM, Harris, Arthur <aharris@utep.edu> wrote:

Hi—

I've look at the material, with the results:

GUMO 407a

R m3. Matches almost perfectly a *Bison* m3 from our locality 54 in Dry Cave, which presumably is *B. antiquus* (but for all I know, possibly *B. bison* and *B. antiquus* may overlap dentally).

GUMO 407b

Fragment of atlas. Appears too large for *Ovis canadensis* or *Odocoileus hemionus*, but I'm unable to match with *Equus*, *Bison*, *Cervus*, or *Hemiauchenia* (which may just mean I don't have enough specimens to estimate variability). In any case, large mammal about the size of *Equus* or *Bison*, but I can't go beyond.

GUMO 470c

No ID other than moderately large mammal.

GUMO 407d

Distal fragment of humerus. Cf. *Odocoileus*. Alternative is *Antilocapra*.

GUMO 407e

Fragment of dentary. Too small for *O. canadensis* male, but possibly *O. canadensis* female. Not deer. If were historic, could be *Ovis/Capra*.

GUMO 407f

Coronoid process of dentary. Could be either *O. canadensis* or *O. hemionus*.

GUMO 407g

Fragment of sacrum. Consistent with *Equus*, but cannot rule out other large mammals.

GUMO 407h

L scaphoid. *Equus* sp. Small, but probably within the range of variation of *E. conversidens*. Probably not small enough to be *E. francisci*.

GUMO 407i, 407j, 407k, 407l, 407m.

Moderate size mammal; no other ID.

GUMO 407n

Fragment distal humerus. The best I can do is probably *Ursus*.

I'll try to get the material back to you early next week.

Incidentally, although we're still on an MOU with the Centennial, a couple of changes of directors have lessened our closeness; we also had a name change awhile back to the UTEP Biodiversity Collections. We're slowly getting our collection data onto Arctos (url, arctos.database.museum): all the mammals, about half of the paleo, and snatches of plants, birds, mollusks, and herps.

Best regards,

Art

From: Hearst, Jonena [mailto:jonena_hearst@nps.gov]

Sent: Tuesday, February 28, 2017 3:43 PM

To: Harris, Arthur <aharris@utep.edu>

Subject: Would you look at some bones for me?

Dear Art:

Would you look at some bones for me?

Everything was cataloged as *Ovis canadensis* skull bones but that is obviously incorrect. There are fragments of an axis, another vertebral fragment, coronoid process, partial edentulous mandible, partial distal humerus, and a scaphoid (?). I think there may be several different animals here. I have no comparative material here so I need help.

If you would be willing to look at them, I will wrap them up and send them in the mail.

--

Jonena Hearst, PhD

Geologist

Guadalupe Mtns NP

400 Pine Canyon Dr

Salt Flat TX 79847

Office: 915 828 3251 ext 2410

Fax: 915 828 3269

--

Jonena Hearst, PhD

Geologist

Guadalupe Mtns NP

400 Pine Canyon Dr
Salt Flat TX 79847

Office: 915 828 3251 ext 2410
Fax: 915 828 3269