Appendix E:
Geology and Soils Supporting Information

THIS PAGE INTENTIONALLY LEFT BLANK

E.1 - Corte Dorado Hillside Landslide and Preliminary Mitigation Recommendations

THIS PAGE INTENTIONALLY LEFT BLANK

Via E-Mail

April 21, 2023
BGG Project No. G345.01

Ryan Nickelson
428 Corte Dorado
Danville, California 94526

Subject: **Preliminary Evaluation of the Recent Corte Dorado Hillside Landslide and Preliminary Mitigation Recommendations**
Elworthy Property East of the Corte Dorado Cul-De-Sac
Behind Nickelson and Brown Residences
428 and 432 Corte Dorado
Danville, California

Dear Mr. Nickelson:

Baez Geotechnical Group (BGG) has been requested to provide a preliminary evaluation of the recent landslide that occurred on the Elworthy property, east of the Corte Dorado cul-de-sac as shown on Plate 1, Vicinity Map. The landslide occurred behind the residence at 432 Corte Dorado, in the approximate location shown on Plate 2, Site Plan. Additionally, we have been requested to provide preliminary mitigation recommendations for consideration by the affected parties. The following is an account of the recent landslide event as told by Mr. Ryan Nickelson during a site visit on March 15, 2023, and during a meeting with the Nickelson and Brown families on April 13, 2023.

1. A landslide occurred on December 31, 2022, behind the residence at 432 Corte Dorado. Mudflow debris flowed into the backyard of the 432 Corte Dorado property and filled the concrete v-ditch behind the residence. The landslide blocked the flow of water in the v-ditch, and the water in the obstructed v-ditch flowed into the back and side yards of the residences at 428 and 432 Corte Dorado as well as into the street.
2. The mudflow occurred on undeveloped ranchland currently owned by the Elworthy Family. The hillside rises up steeply at an approximate 2H:1V inclination from the back of the residences on Corte Dorado.
3. The owners (Nickelson and Brown) of the affected Corte Dorado residences hired a contractor to remove the mud and debris from their backyards and pools. It is our understanding that approximately 75-cubic yards of mud debris was removed.

REVIEW OF PREVIOUS REPORTS AND LETTERS

BGG was recently provided with the following geotechnical report and letter for our review:

- Letter for 428/432 Corte Dorado, Danville, California, by Berlogar Stevens & Associates (BSA), dated April 4, 2023.
- Geotechnical Investigation and Slide Repair report for Sims Residence, 428 Corte Dorado, Danville, by Alexander Buller Associates, Inc. (ABA), dated April 13, 1987.

The following is a summary of the observations, findings, conclusions, and recommendations contained in the 1987 ABA report. It should be noted that the received copy of the ABA report did not contain Plate 2 – Site Plan, Plate 3 – Geology Map, Plate 17 – Subdrain Detail, and Plate 18 (unknown title, possibly buttress fill section).

1. Two retaining walls were described behind the residence, one at the top and one at the bottom of a 3H:1V graded slope. It is reported that these two retaining walls were constructed in 1983 "…to repair a continuing mud flow problem on the south boundary of the property."
2. Plate 4, Slide Map, by Davenport, 1985, shows three landslides mapped on the hillside above the Corte Dorado cul-de-sac.
3. Two landslides were mapped by ABA on the hillside above and to the south of the 428 Corte Dorado property. A small landslide occurred above the southeast corner of the property and a larger landslide occurred in the drainage swale above the property.
4. Extensive evidence of soil creep, which is approximately 3-feet-deep, is above the landslides.
5. Seven borings were drilled to depths between 10 and 16-feet in the area of the landslides. The soil layer above the bedrock was reported to vary between 1½-feet to 6-feet-thick. The bedrock is reported to consist mostly of non-marine weathered siltstone with some sandstone.
6. Laboratory testing indicates that the soil is very highly expansive with a Liquid Limit of 54 and a Plasticity Index of 33. A friction angle of 10 degrees and cohesion of 200 psf is reported for the soil, and a friction angle of 14 degrees and 720 psf cohesion is reported for the bedrock.
7. ABA concluded that the hillside in the area should be reconstructed. ABA also states "…this repair covers only that portion of the hillside which has failed. Other areas could develop instability, especially during times of heavy rainfall."
8. ABA recommended constructing two buttress fills in the areas of the two landslides. Plate 16 – Site Plan, shows the proposed buttress fills. Plate 16 also shows locations of proposed subdrains and cleanouts, and a concrete v-ditch at the top of the hillside above the two landslides. A discharge line is shown down from the v-ditch to the southeast corner of the property. The proposed buttress fill for the smaller landslide is shown to be 40-feet-tall and for the larger landslide, an 80-feet-tall buttress fill.
9. The buttress fills were recommended to be constructed of Select Fill with a 2.5H:1V finish slope. Select Fill was specified as cement treated soil utilizing 5 percent cement by weight. In addition to the subdrains shown on Plate 16, additional subdrains (three) for the buttress fills were also recommended.

The 2023 BSA letter provides conclusions as to the cause of the mud and water that recently flowed into the 428 and 432 Corte Dorado properties, based on historical aerial photographs, a site visit, and review of the ABA report. The historical aerial photographs were dated from March 2017 to September 2022 by Near Map. The letter also included a LIDAR (dated 9/22) topographic overlay on the September 2022 Near Map aerial photograph. The following is a summary of the conclusions and recommendations contained in the BSA letter:

1. Soil and vegetation that had accumulated in the upper portion of the v-ditch washed down the v-ditch from extreme rainfall events this year.

2. Once the mixture of runoff, soil, and vegetation reached the flatter portion of the v-ditch behind the residences at 428 and 432 Corte Dorada, the slower water flow deposited this material in the v-ditch.
3. The deposits of soil and vegetation obstructed the v-ditch, which resulted in the flow of runoff, soil, and vegetation into the two rear yards.
4. It was recommended that the v-ditches be cleaned annually before the start of the rainy season.

HISTORICAL SUMMARY OF LANDSLIDE EVENTS

The following is a historical summary of relevant landslide events that have occurred in the area as told by the residents, reported in the ABA report, observed in historical Google Earth images, and observed during our site visit. It is our understanding that the residential subdivision containing the two subject Corte Dorado residences was constructed circa 1976. Refer to Plate 2, Site Plan, which shows the approximate locations of the landslides and structures described below.

1. A landslide occurred circa 1983 above the 428 Corte Dorado residence (not shown on Plate 2).
2. In 1986, a landslide occurred behind the 428 Corte Dorado residence, and the landslide debris was deposited in the backyard of the residence.
3. The 1986 landslide was subsequently repaired by a contractor. It appears that the repair included the construction of a check dam with a v-ditch. The check dam is about 20-feet-tall according to the LIDAR topography contained in the BSA report. The concrete lined v-ditch was constructed to transport water collected behind the check dam and transport it down to near the backyard property line of the 428 property, then across the back of the 432 property, and into a storm drain drop inlet.
4. It is our understanding that a storm drain easement is located between the properties at 432 and 431 Corte Dorado, where the storm drain inlet is located.
5. From a review of historical Google Earth images, we observed that a surface water energy dissipator was constructed at the bottom of a drainage swale located on the Elworthy property circa June 2003. The energy dissipator is located above (east of) the storm drain inlet located near the 431 and 432 Corte Dorado property boundaries.
6. A 2017 Google Earth image showed several mudflows on the Elworthy property. One mudflow was located behind the 432 Corte Dorado residence, above the v-ditch. A second mudflow occurred further up the hillside near the alignment of the property boundary between 428 and 432 Corte Dorado. A series of mudflows occurred above the check dam and filled the v-ditch.
7. A mudflow occurred during heavy rains on December 31, 2022, behind the 432 Corte Dorado residence. This mudflow filled the v-ditch with mud, which subsequently flooded the properties at 428 and 432 Corte Dorado.
8. During our March 2023 site visit, we observed two mudflows behind the residence at 431 Corte Dorado, which is the adjacent residence on the north side of 432 Corte Dorado.

REPORTED SOIL AND GEOLOGIC CONDITIONS

According to the USDA NRCS Web Soil Survey, the Diablo clay soil series mantles the general site area. The Diablo Clay soils are reported to consist of expansive clays in the upper 4 to 5 feet with 100 percent passing the No. 4 sieve (contains no gravel), about 80 percent passing the No. 200 sieve (silt and clay materials), Liquid Limits between 55 and 79, and Plasticity Index between 33 and 44. These characteristics indicate that the site soils are reported to be very highly expansive. Bedrock is reported below the surficial soil.

The Geologic Map of the Diablo Quadrangle (Thomas W. Dibblee, Jr., 2005) shows the general area is underlain by the Orinda Formation. This bedrock is reported to consist of pebble conglomerate, sandstone, and claystone, interbedded, gray to greenish gray, stream laid, conglomerate of mostly Franciscan rock detritus. The Orinda Formation is known to be susceptible to landslides.

PRELIMINARY CONCLUSIONS AND RECOMMENDATIONS

The design and construction quality of the fill slope (referred to as a check dam above) above the 428 Corte Dorado residence is not known. Documentation for design and construction of this fill slope is not currently available. It should be noted that the topographic contours shown in the BSA provided LIDAR image indicate that an approximately 20-feet-tall fill was constructed across the drainage swale in the area of the larger landslide described in the ABA report. An approximately 40-feet-wide and generally flat area is shown at the top of the fill slope. It appears that the design recommended in the ABA report was not constructed to mitigate the two landslides in 1986.

The occurrence of mudflows or other water-induced issues on the adjacent Elworthy property has likely been occurring historically for hundreds of years or more. The recurrence interval for mudflow events starting in the mid-1980s appears to be about every eight years based on a review of the recent documents and Google Earth imagery.

The hillside on the Elworthy Property located above the 428 and 432 Corte Dorado residences should be mitigated to prevent future mudflows and rainwater from impacting the two residences. Our preliminary recommendations are based on our March 2023 site visit, a review of available geologic literature, a review of the ABA and BSA documents, and general geotechnical engineering experience in the site area.

We recommend a geotechnical and geological investigation be conducted for the area of concern on the Elworthy property, outlined on Plate 2, Site Plan. Further historical aerial photograph research, geologic mapping, and field explorations should be included as part of the investigation. The following are potential mitigation recommendation options for the hillside on the Elworthy property, for the approximate mitigation area outlined on Plate 2:

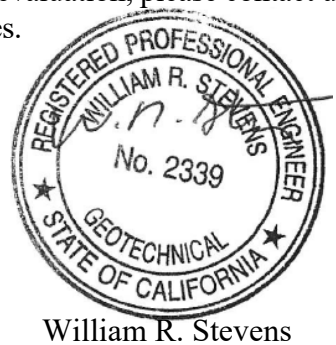
1. Cut the hillside above the two affected residences to provide a permanent slope inclined no steeper than 3H:1V. Appropriate surface drainage should be included along the face of the slope.
2. Construct a mudflow catchment basin above the existing v-ditch above the residences.
3. Construct a retaining wall and/or earth berm above the existing v-ditch above the residences.

4. Surface and subdrain water should be captured and routed into the existing storm drain drop inlet.
5. Replace the existing v-ditch. If the existing v-ditch behind the two residences will be utilized as part of the drainage system, damaged sections of the v-ditch should be repaired.
6. Undergrounding portions of the existing v-ditch.
7. Maintenance recommendations, including a designated location on the Elworthy property to transport mud, vegetation, and soil detritus from future mudflows and landslides.
8. Other recommendations prescribed in the recommended geotechnical and geological investigation report.

If you have any questions regarding our preliminary evaluation, please contact us. We appreciate the opportunity to provide you with geotechnical services.

Respectfully Submitted,

BAEZ GEOTECHNICAL GROUP



Stefanie Parman-Ribeiro
Project Engineer

William R. Stevens
Principal Engineer
GE 2339

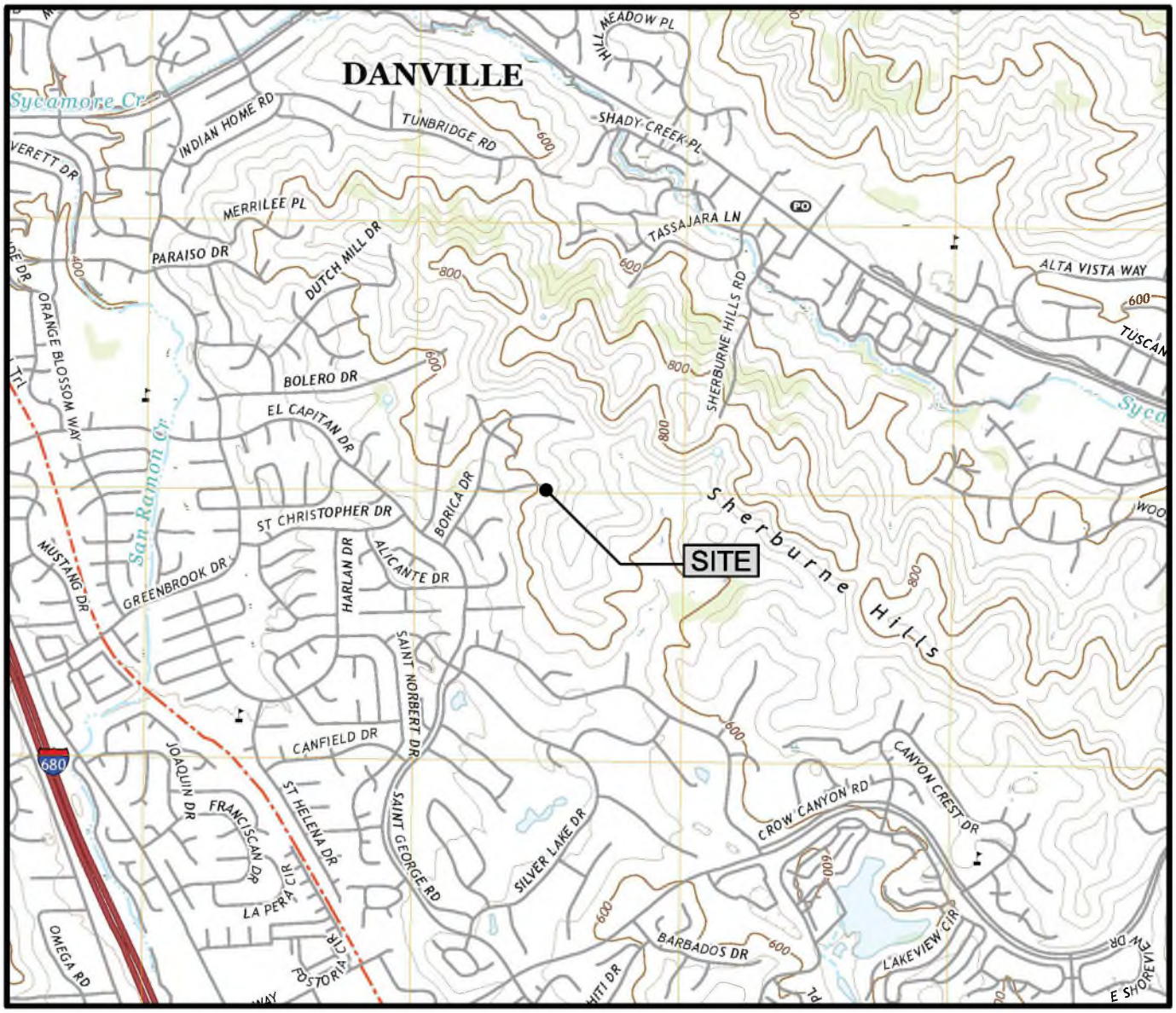
Attachments: Plate 1 – Vicinity Map
Plate 2 – Site Plan

E://BGG/G345-Nickelson Residence/Prel Eval Corte Dorado.docx

DRAWN BY: SPR

DATE: 03/24/2023

BGG NUMBER: G345.01



BASE: PORTION OF U.S.G.S. 7.5 MINUTE TOPOGRAPHIC QUADRANGLE, DIABLO, CALIFORNIA, PHOTOREVISED 2021, AT A SCALE OF 1:24,000.

0 2000

1 INCH = 2000 FEET

VICINITY MAP

ELWORTHY PROPERTY, EAST OF CORTE DORADO

BEHIND NICKELSON & BROWN RESIDENCES

428 & 432 CORTE DORADO

DANVILLE, CALIFORNIA

FOR

MR. RYAN NICKELSON

BAEZ GEOTECHNICAL GROUP

PLATE 1



N

0 60

1 INCH = 60 FEET

DRAWN BY: SPR

DATE: 03/24/2023

BGG NUMBER: G345.01

BAEZ GEOTECHNICAL GROUP

BASE: GOOGLE EARTH IMAGE AUGUST 2/11/2022.

SITE PLAN

ELWORTHY PROPERTY, EAST OF CORTE DORADO

BEHIND NICKELSON & BROWN RESIDENCES
428 & 432 CORTE DORADO
DANVILLE, CALIFORNIA
FOR
MR. RYAN NICKELSON

THIS PAGE INTENTIONALLY LEFT BLANK

E.2 - Geotechnical Exploration

THIS PAGE INTENTIONALLY LEFT BLANK



ELWORTHY EAST PROPERTY
DANVILLE, CALIFORNIA

GEOTECHNICAL EXPLORATION

SUBMITTED TO
Mr. Scott Stringer
The Stringer Company, Inc
875 Orange Blossom Way
Danville, CA 94526

PREPARED BY
ENGEO Incorporated

February 28, 2024

PROJECT NO
24441.000.001

Copyright © 2024 by ENGEO Incorporated. This document may not be reproduced in whole or in part by any means whatsoever, nor may it be quoted or excerpted without the express written consent of ENGEO Incorporated.

ENGEO
Expect Excellence

Project No.
24441.000.001

February 28, 2024

Mr. Scott Stringer
The Stringer Company, Inc
875 Orange Blossom Way
Danville, CA 94526

Subject: Elworthy East Property
Danville, California

GEOTECHNICAL EXPLORATION

Dear Mr. Stringer:

With your authorization, we have prepared this geotechnical report for the planned residential development in Danville, California. We performed a geotechnical exploration on the subject property that included exploratory borings and test pits, as well as a review of existing geotechnical reports (Berlogar Geotechnical Consultants, 1999, and Baez Geotechnical Group, 2023) and publicly available data. These geotechnical data were used to characterize subsurface conditions and develop our conclusions and recommendations for planning, design, and construction of the proposed development.

Based on the findings of geotechnical and geologic studies, it is our opinion from a geotechnical viewpoint that the site is suitable for the proposed development provided that the conclusions and recommendations contained in this report are incorporated into design and implemented during construction. The main geotechnical concerns for the planned development include the presence of landslide hazards, weak soil susceptible to slope instability and compression, seismicity and faulting, and highly expansive soil and bedrock. We present our conclusions and recommendations to address these geotechnical considerations in the accompanying report.

We are pleased to have been of service on this project and are prepared to consult further with you and your design team as the project progresses. If you have any questions regarding the contents of this report, please do not hesitate to contact us.

Sincerely,

ENGEO Incorporated

Fernanda Corvillon

Macy Tong, GE

REGISTERED PROFESSIONAL ENGINEER
MACY M.S. TONG
No. 2300
GEOTECHNICAL
STATE OF CALIFORNIA

J. Brooks Ramsdell, CEG

CERTIFIED ENGINEERING GEOLOGIST
J. BROOKS RAMSDELL
No. 2356
STATE OF CALIFORNIA

ni/fc/jbr/mt/ca

TABLE OF CONTENTS

LETTER OF TRANSMITTAL

1.0 INTRODUCTION 1
1.1 PURPOSE AND SCOPE 1
1.2 PROJECT LOCATION AND PROPOSED DEVELOPMENT 1

2.0 FINDINGS 2
2.1 PREVIOUS EXPLORATIONS 2
2.2 REVIEW OF AERIAL PHOTOGRAPHS 2
2.3 FIELD EXPLORATION 2
2.3.1 Borings 3
2.3.2 Test pits 3
2.3.3 Geologic Field Mapping 3
2.4 LABORATORY TESTING 4
2.5 REGIONAL GEOLOGY 4
2.6 FAULTING AND SEISMICITY 4
2.7 SURFACE CONDITIONS 5
2.8 SUBSURFACE CONDITIONS 5
2.9 GROUNDWATER CONDITIONS 6

3.0 CONCLUSIONS 7
3.1 SEISMIC HAZARDS 7
3.1.1 Ground Shaking 7
3.1.2 Liquefaction/Clay Soil Softening 8
3.1.3 Seismically Induced Landsliding 8
3.1.4 Ground Lurching 8
3.2 2022 CBC SEISMIC DESIGN PARAMETERS 8
3.3 SLOPE STABILITY 9
3.3.1 Geometry and Idealized Soil Profiles 10
3.3.2 Method of Analysis 10
3.3.3 Results of Analyses 10
3.4 COMPRESSIBLE LANDSLIDE AND COLLUVIAL DEPOSITS 11
3.5 SWELL/SETTLEMENT RELATED TO DEEP FILL 12
3.6 EXPANSIVE SOIL 12
3.7 DIFFERENTIAL FILL THICKNESS 12
3.8 CUT-FILL TRANSITION LOTS, AND CUT LOTS 13
3.9 EXCAVABILITY 13
3.10 SOIL CREEP 13
3.11 SOIL CORROSION POTENTIAL 14

4.0 EARTHWORK RECOMMENDATIONS 14
4.1 GENERAL SITE CLEARING 14
4.2 GRADING 14
4.3 SELECTION OF MATERIALS 15
4.4 KEYWAYS 15
4.5 LANDSLIDE AND COLLUVIUM/ALLUVIUM REMOVALS 15
4.6 GRADED SLOPES AND SLOPE STABILIZATION 15
4.7 SUBSURFACE DRAINAGE FACILITIES 16
4.8 DEBRIS BENCH 17

TABLE OF CONTENTS (Continued)

4.9 CUT LOTS AND CUT-FILL TRANSITION LOTS 17
4.10 DIFFERENTIAL FILL THICKNESS 18
4.11 PLACEMENT OF FILL 18
4.12 MONITORING AND TESTING 18
4.13 UTILITIES 19
4.14 EXCAVATIONS AND SHORING 19
4.15 EROSION CONTROL 20
4.16 SITE DRAINAGE 20
4.17 STORMWATER INFILTRATION AND BIORETENTION AREAS 20
4.18 LANDSCAPING CONSIDERATION 22
4.19 REMEDIAL GRADING PLANS 22

5.0 FOUNDATION RECOMMENDATIONS 22

5.1 PRELIMINARY POST-TENSIONED MAT FOUNDATIONS 22
5.2 EXTERIOR FLATWORK 24
5.3 RESIDENTIAL DRIVEWAYS/GARAGE SLABS 24

6.0 RETAINING WALLS 24

6.1 LATERAL SOIL PRESSURES 24
6.2 RETAINING WALL DRAINAGE 25
6.3 FOUNDATIONS 26

7.0 PAVEMENT DESIGN 26

7.1 FLEXIBLE PAVEMENTS 26
7.2 CUT-OFF CURBS 27

8.0 LIMITATIONS AND UNIFORMITY OF CONDITIONS 27

SELECTED REFERENCES

FIGURES

APPENDIX A – Exploration Logs, ENGEO (2023)

APPENDIX B – Laboratory Test Data

APPENDIX C – Exploration Logs, BGC (1999)

1.0 INTRODUCTION

1.1 PURPOSE AND SCOPE

We prepared this geotechnical report for the planned single-family residential development for Elworthy East Property in Danville, California. With your authorization, we provided the following services.

- Reviewed previous geotechnical investigations by Berlogar Geotechnical Consultants (1999)
- Reviewed previous preliminary landslide evaluation by Baez Geotechnical Group (2023)
- Reviewed the proposed development plan
- Performed supplemental field explorations including test pits and borings
- Conducted data analysis and report preparation with conclusions and recommendations to address geologic and geotechnical hazards, site grading, foundation design, retaining walls, preliminary pavement recommendations for the proposed development

For our use, we received a preliminary grading plan from CBG dated January 30, 2024.

This report was prepared for the exclusive use of our client and their consultants for evaluation of this project. If any changes are made in the character, design, or layout of the development, we must be contacted to review the conclusions and recommendations contained in this report to determine whether modifications are necessary.

1.2 PROJECT LOCATION AND PROPOSED DEVELOPMENT

The project site contains approximately 102 acres in area and is identified as Assessor's Parcel Numbers (APNs) 218-010-008, 218-010-010, 218-010-011, and 218-010-012. The parcel is currently an open space and is located in the eastern hills of Danville as shown on the Vicinity Map, Figure 1, within a low-lying north/northeast aligned valley and between hills up to 150 feet above the valley. The site is accessed by a maintenance road at the end of Borica Drive. The proposed project includes 19 lots for single-family residential development.

Based on our discussions with you and the preliminary grading plan, we understand the project will include construction of:

- One- to two-story residential buildings
- Paved streets with parking stalls
- Underground utilities
- Retaining wall
- Bio-retention basin
- Sidewalks
- Landscaping

Structural loads are yet to be determined; however, we assume that structural loads will be representative for this type of construction.

The proposed preliminary grading plan shows cut up to 40 feet deep and fill up to 60 feet thick and graded cut or fill slopes with a slope gradient of 3:1 (horizontal:vertical) and a maximum height of approximately 77 feet. The proposed cut slope located south of the main road is shown with a slope gradient of 2:1 and up to approximately 30 feet in height. Some of the slopes between lots are shown as at a gradient of 2½:1. The proposed grading plan also shows the main road will be from the end of existing Como Way, at the eastern side of the property. The access road is planned to be approximately 35 feet wide and approximately 2,000 feet in length.

2.0 FINDINGS

2.1 PREVIOUS EXPLORATIONS

Berlogar Geotechnical Consultants prepared a preliminary geotechnical investigation for the project in 1999 (Berlogar, 1999). The subsurface exploration included 73 test pits up to approximately 14 feet deep, 3 exploratory borings between 35½ and 44½ feet deep, and 2 exploratory trenches. The locations of the borings and test pits are approximately shown on Figure 2, and the logs of test pits and borings are presented in Appendix C.

Baez Geotechnical Group (Baez, 2023) conducted a preliminary geologic hazard evaluation and provided mitigation recommendations for the Corte Dorado landslides located within the western edge of the project site, for the two existing single-family lots located west from the project site. The preliminary geologic hazard evaluation included review of available literature, mapping of the landslide, and preliminary mitigation recommendations to the affected parties.

2.2 REVIEW OF AERIAL PHOTOGRAPHS

To characterize and understand the site development history and geomorphology, we reviewed historical aerial photographs and topographic maps. We viewed numerous historical aerial photographs flown from 1946 to present, available on Google Earth and www.historicaerials.com. We also reviewed published historical topographic maps dating back to 1898 to consider the site history before aerial photographic coverage was available.

Early aerial photographs show that the site was previously arable land as far back as 1946. Photographs taken between 1974 and 1979 show the first developments in the surroundings around Como Way, Corte Dorado, Borica Drive, and Balceta Court. Landslides are clearly visible around the site. Figure 2 shows the site plan with the identified landslide areas and Figure 4 shows the regional landslide map.

2.3 FIELD EXPLORATION

Our field exploration included borings and test pits on December 11, 12, and 15, 2023, at the various locations within the proposed development area. We also performed geologic field mapping.

The location and elevations of our explorations are approximate and were estimated by pacing from features shown on the site plan; they should be considered accurate only to the degree implied by the method used.

2.3.1 Borings

We observed drilling of a hollow-stem auger dry core hole (approximately 50 feet deep) and three geotechnical borings (into bedrock; 5 to 20 feet below existing grade) on December 11 and December 12, 2023, at the locations shown in the Site Plan, Figure 2. Our field geologist observed the drilling and logged the subsurface conditions at each location. We retained a track-mounted CME 55 drill rig and crew to advance the borings using 6-inch-diameter hollow-stem auger method. The borings were advanced to depths ranging from 5 to 50 feet below existing grade. We permitted and backfilled the borings in accordance with the requirements of Contra Costa County Environmental Health Division.

The dry core boring was advanced within a large-scale landslide in the proposed development area in order to determine approximate depth of the slide.

We retrieved disturbed soil samples at various intervals in the borings using a Modified California Sampler, 2.5-inch inside diameter (I.D.) sampler. The blow counts were obtained by dropping a 140-pound hammer through a 30-inch free fall. The 2.5-inch I.D. sampler was driven 18 inches and the number of blows was recorded for each 6 inches of penetration. Unless otherwise indicated, the blows per foot recorded in the boring log represent the accumulated number of blows to drive the last 1 foot of penetration; the blow counts have not been converted using any correction factors. When sampler driving was difficult, penetration was recorded only as inches penetrated for 50 hammer blows.

The logs depict subsurface conditions at the exploration locations during the exploration; however, subsurface conditions may vary with time. The exploration logs are included in Appendix A.

2.3.2 Test pits

We observed excavation of nine test pits on December 15, 2023, at the locations shown on the Site Plan, Figure 2. Our field geologist observed the test pit excavation and logged the subsurface conditions at each location. We retained a rubber-tire backhoe to excavate the test pits and logged the type, location, and uniformity of the underlying soil/rock. The maximum depth penetrated by the test pits was 15 feet.

We obtained bulk soil samples from the test pits using hand-sampling techniques. The test pit logs present descriptions and graphically depict the subsurface conditions encountered.

All test pits were backfilled with minimum compaction effort at the completion of the field exploration. As a result, the test pit backfill should be removed during mass grading.

The logs depict subsurface conditions at the exploration locations during the exploration; however, subsurface conditions may vary with time. The exploration logs are included in Appendix A.

2.3.3 Geologic Field Mapping

During our field explorations, our geologist observed the surface conditions and visible geologic features at the site. We mapped the geologic features and summarize our findings on the Site Plan, Figure 2.

2.4 LABORATORY TESTING

We collected representative soil samples from our field exploration for laboratory testing to further assess index and strength properties. We selected samples to be tested for density, moisture content, plasticity index (PI), grain size distribution, and shear strength (triaxial unconsolidated undrained test, and unconfined compression test). We present the laboratory test results in Appendix B.

2.5 REGIONAL GEOLOGY

The site is located within the Coast Ranges geomorphic province of California. The Coast Ranges are typified by a system of northwest-trending, fault-bounded mountain ranges and intervening alluvial valleys. The bedrock in this region has been folded and faulted in a tectonic setting that has experienced both translational and contractional deformation of the earth's crust. More specifically, the site is located in Green Valley, east of the San Ramon Valley and on the southwest flank of Mt. Diablo.

According to published geologic mapping by Graymer et al. (1994, Figure 3), the site is mapped as underlain by bedrock of the Green Valley and Tassajara Formations. Surficial alluvial deposits are mapped along the drainage at the eastern portion of the site. The bedrock is part of an overall anticline-syncline morphology and bedrock is dipping roughly north-northeast. The degree of the dip is not established near the site, but adjacent areas have dips between 40 and 55 degrees.

Nilsen (1975) does not map landslides within the site as shown in Figure 4. Based on site-specific mapping by BGC (1999) previously and ENGEO's more recent map, a number of landslides were mapped at the site. Based on our field mapping and exploration data, the geologic features are further refined and included in our Site Plan (Figure 2).

2.6 FAULTING AND SEISMICITY

The site is located in a seismically active area that contains numerous faults. Small earthquakes occur every year in the Bay Area region and larger earthquakes have been recorded and can be expected to occur in the future. Faults have been cataloged and mapped by the United States Geological Survey (USGS) in the Quaternary Fault and Fold Database of the United States. An active fault is defined by the California Geologic Survey as one that experienced surface displacement within Holocene time (about the last 11,700 years) (CGS, 2018). Figure 5 shows the approximate locations of known active faults along with other Quaternary faults based on the USGS Quaternary Fault and Fold Database as well as significant historical earthquakes recorded within the Bay Area region.

To identify nearby faults that are capable of generating strong seismic ground shaking at the site, we utilized the USGS Earthquake Hazard Toolbox and the 2018 National Seismic Hazard Model (NSHM) to perform a disaggregation of the seismic hazard at the peak ground acceleration (PGA) and at spectral periods up to 5 seconds for a return period of 2,475 years. The resulting faults are listed in Table 2.6-1.

TABLE 2.6-1: Known Active Faults Capable of Producing Significant Ground Shaking at the Site (Latitude: 37.799 Longitude: -121.958)

FAULT NAME	DISTANCE FROM SITE (MILES)	MAXIMUM MOMENT MAGNITUDE (ELSWORTH)
Calaveras (No) [0]	3.32	7.08
Mount Diablo Thrust North CFM [0]	1.62	7.15
Mount Diablo Thrust South [1]	3.93	6.63
Concord [2]	7.32	6.55
Hayward (So) [6]	10.32	7.30

*USGS Unified Hazard Tool – Edition: Dynamic Conterminous U.S. 2014 (update) (v4.2.0)

These results represent sources contributing at least 1 percent to the seismic hazard at the site PGA for the given return period. Background seismicity zones, such as gridded or areal sources, are not presented. The mean moment magnitudes (MW) listed are based on values assigned according to the Uniform California Earthquake Rupture Forecast version 3 (UCERF3) (Field et al., 2015), and the numbers in square brackets after the fault names correspond to fault subsections assigned by UCERF3. Magnitudes and source contributions to the seismic hazard vary slightly between the two fault models (FM 3.1 and 3.2) utilized by UCERF3 and from one spectral period to another. Therefore, for each source, we present the maximum mean magnitude of the spectral periods considered where that source contributes significantly to the hazard.

In 2014, the UCERF3 working group estimated the 30-year likelihood of one or more MW 6.7 or greater earthquake events in the San Francisco region at approximately 72 percent, considering the known active seismic sources in the region.

2.7 SURFACE CONDITIONS

The site is characterized by a number of relatively high rolling hills with a north-south trending valley as well as low-lying drainage basins. The elevation difference from the low-lying areas of the site to the tops of slopes is roughly 100 to 150 feet. Few shallow landslides were observed in and around the hills of the site, and based on topographic suggestions, deeper landslides have shaped the geomorphology of the site. Several access and maintenance roads are across the site, but the land is otherwise undeveloped.

A residential development with golf course borders the site to the south, and further rolling hills with a few residential houses border the site to the east and north, and a large residential development locates to the west. To the north is a natural spring that produces regular runoff into the main drainage valley of the property, covering the eastern edge of the proposed development area.

2.8 SUBSURFACE CONDITIONS

The following sections provide a summary of the subsurface conditions at the proposed development area. In addition, we prepared five cross sections (Cross Sections A-A' through E-E') in Figures 6A through 6B, which display the subsurface conditions of the development area. The approximate locations of the cross sections are shown in the Site Plan, Figure 2.

Artificial Fill (Qaf)

Artificial fill within the proposed development of the site is very limited. The artificial fill exists only in areas where a shallow amount of earth (2 to 3 feet) was cut, placed, and lightly compacted to accommodate an access road across the lower elevation areas of the site. The existing artificial fill consists of surface deposits, mostly reworked colluvium (Qc).

Colluvium (Qc)

Colluvium deposits are found in swales and lower portions of slopes across the site. Along slopes and in the valley, these colluvium deposits vary widely in depth, ranging from just a few feet to as much as 15 feet in depth. The deepest colluvium tends to be along slopes with a more gradual grade, or in the lower elevation portions of the site. The colluvium is predominantly lean or fat clay, black to dark brownish or olive gray, and is usually of medium to high plasticity. Several polished surfaces were identified on the soil within the deposit, but these have variable orientations and are more likely caused by seasonal expansion and contraction of the fat clay. Some deposits have trace or minor amounts of fine well-rounded gravel. Calcium carbonate nodules are universal in the colluvium deposits. There are some narrow sandy silt deposits, usually light olive gray, that are found just above bedrock and most likely represent residual soil.

Alluvium (Qal)

Alluvial deposits are found along the south trending drainage located at the eastern portion of the site. The alluvium is predominantly stiff, lean clay or fat clay. Along the drainage these alluvial deposits vary from approximately 18 to 40 feet in depth.

Green Valley and Tassajara Formations (Tgvt)

The bedrock identified at the site is part of the Miocene and Pliocene Green Valley and Tassajara Formations (Tgvt). Tgvt generally consists of non-marine sandstone, siltstone, and claystone deposits. The bedrock observed in borings and test pits consists mostly of siltstone and sandstone. Both bedrock types are extremely weak to very weak, somewhat weathered, and massive. No obvious signs of bedrock shearing were visible in the dry core sampling, though jointing was observed throughout. The sandstone tended to be medium- to coarse-grained with some fine rounded gravel. The siltstone contained some calcium carbonate. Several feet of residual soil bedrock was observed in a number of test pits before more substantial bedrock was encountered. The residual soil was notable by a lack of plasticity, found in overlying colluvial deposits and a light gray color.

2.9 GROUNDWATER CONDITIONS

Groundwater was only encountered in one of our borings (Boring 1-B1) at 11 feet below ground surface. As required, all test borings were backfilled with approved material by Contra Costa County Environmental Health Division on the same day of drilling. Because of the county grouting requirements, some of the borings may not have been left open a sufficient amount of time to allow water levels to stabilize.

In addition, groundwater was observed in the previous borings and test pits (Berlogar, 1999) explored in the proposed development area.

We summarize groundwater observations within/around the development area in the table below. The groundwater was found in exploration points at the low-lying area along the eastern boundary of the site.

TABLE 2.9-1: Groundwater Observations

EXPLORATION LOCATION	APPROX. DEPTH TO GROUNDWATER (FEET)
Boring 1-B1 (2023)	11
Boring B-1 (1999)	3
TP-9 (1999)	8
TP-10 (1999)	6
TP-11 (1999)	8
TP-13 (1999)	13

Fluctuations in groundwater levels occur seasonally and over a period of years because of variations in precipitation, temperature, irrigation, and other factors. Future irrigation may cause an overall rise in groundwater levels.

3.0 CONCLUSIONS

Based on the findings of geotechnical and geologic studies, it is our opinion from a geotechnical viewpoint that the site is suitable for the proposed residential development provided that the conclusions and recommendations contained in this report are incorporated into design and implemented during construction.

The main geotechnical concerns for the planned development include the presence of landslide hazards and weak soil susceptible to slope instability, seismicity, and highly expansive soil. We present our conclusions and recommendations to address these geotechnical considerations in the accompanying report.

3.1 SEISMIC HAZARDS

Potential seismic hazards resulting from a nearby moderate to major earthquake can generally be classified as primary and secondary. The primary effect is ground rupture, also called surface faulting. The common secondary seismic hazards include ground shaking, ground lurching, soil liquefaction, and lateral spreading. There is no indication that primary seismic hazards are a risk at the proposed site.

3.1.1 Ground Shaking

An earthquake of moderate to high magnitude generated within the San Francisco Bay Region could cause considerable ground shaking at the site, similar to that which has occurred in the past. To mitigate the shaking effects, all structures should be designed using sound engineering judgment and the current California Building Code (CBC) requirements, as a minimum.

3.1.2 Liquefaction/Clay Soil Softening

Soil liquefaction results from the temporary loss of shear strength during cyclic loading, such as imposed by earthquakes. The soil most susceptible to liquefaction is clean, loose, saturated, and uniformly graded fine sand below the groundwater table. Empirical evidence indicates that loose silty sand is also potentially liquefiable. When seismic ground shaking occurs, the saturated sandy soil is subjected to cyclic shear stresses that can cause excess pore-water pressure to develop due to volumetric repositioning of soil particles. As excess pore-water pressures approach the effective confining stress from the overlying soil, the sand will experience a reduction in effective shear strength and may undergo deformation. If the pore-water pressure exceeds the effective confining stress, the sand particles are free to move within the soil-water matrix without significant resistance, at which point the soil is said to have liquefied. If the sand consolidates or vents to the surface (known as “sand boils”) during and following liquefaction, ground settlement and surface deformation may occur. In some cases, settlements of approximately 2 to 3 percent of the thickness of the liquefiable layer have been measured. In addition to liquefaction of sandy materials, clayey soil can also undergo “cyclic-softening” or strength loss as a result of cyclic loading.

Based on the geotechnical data, soil materials encountered within the site generally consist of high plastic clayey soil over bedrock. Saturated sandy soil was not encountered within the proposed development area. The only layer of clayey sand was found in Boring B-2 (Berlogar, 1999) but is located north of the development area. Clayey soil of medium stiff to stiff in consistency are found in Boring 1-B1 to a depth of 18 feet below grade and with high moisture contents at 3 feet below grade. Based on Bray and Sancio screening (2006), the high plastic clayey soil encountered below groundwater at the low-lying area is not susceptible to cyclic softening. Therefore, based on these conditions, the site soil within the proposed development area is considered not susceptible to liquefaction or cyclic softening.

3.1.3 Seismically Induced Landsliding

Seismically induced landslides are triggered by earthquake ground shaking. The risk of this hazard is greatest in the late winter when groundwater levels are highest and hillside colluvium is saturated. As with all slopes in the region, this risk is also present at the site to varying degrees depending on the slope conditions and time of year. The hazard of seismically induced landslides to the proposed structures can be best mitigated by properly engineered stabilization of landslides and removal of alluvial and colluvial deposits as recommended in this report.

3.1.4 Ground Lurching

Ground lurching is a result of the rolling motion imparted to the ground surface during energy released by an earthquake. Such rolling motion can cause ground cracks to form in weaker soil. The potential for the formation of these cracks is considered greater at contacts between deep alluvium and bedrock. Such an occurrence is possible, but based on the site location, it is our opinion that the offset is expected to be minor.

3.2 2022 CBC SEISMIC DESIGN PARAMETERS

The 2022 CBC utilizes seismic design criteria established in the ASCE/SEI Standard “Minimum Design Loads and Associated Criteria for Buildings and Other Structures,” (ASCE 7-16). Based on the subsurface conditions encountered and proposed grading, we characterized the site as Site Class D in accordance with Chapter 20 of ASCE 7-16.

ASCE 7-16 requires a site-specific ground-motion hazard analysis for Site Class D sites with a mapped S_1 value greater than or equal to 0.2. However, Section 11.4.8 of ASCE 7-16 and Supplement No. 3 provide an exception to this requirement. A site-specific ground-motion hazard analysis is not required where the value of the parameter S_{M1} determined by Equation 11.4-2 and shown in Table 3.2-1 is increased by 50 percent for developing the mapped Risk-Targeted Maximum Considered Earthquake (MCE_R) spectral response, calculating S_{D1}, and evaluating C_s in accordance with Chapter 12 of ASCE 7-16.

In Table 3.2-1 below, we provide the CBC seismic parameters based on the United States Geological Survey's (USGS') Seismic Design Maps for your use.

TABLE 3.2-1: 2022 CBC Seismic Design Parameters Latitude: 37.795046 Longitude: -121.96102

PARAMETER	VALUE
Site Class	D
Mapped MCE_R Spectral Response Acceleration at Short Periods, S_S (g)	2.053
Mapped MCE_R Spectral Response Acceleration at 1-second Period, S_1 (g)	0.735
Site Coefficient, F_a	1.2
Site Coefficient, F_v	1.7*
MCE_R Spectral Response Acceleration at Short Periods, S_{MS} (g)	2.463
MCE_R Spectral Response Acceleration at 1-second Period, S_{M1} (g)	1.25*
Design Spectral Response Acceleration at Short Periods, S_{DS} (g)	1.642
Design Spectral Response Acceleration at 1-second Period, S_{D1} (g)	0.833*
Mapped MCE Geometric Mean (MCE_G) Peak Ground Acceleration, PGA (g)	0.847
Site Coefficient, F_{PGA}	1.2
MCE_G Peak Ground Acceleration adjusted for Site Class effects, PGA_M (g)	1.017
Long period transition-period, T_L (sec)	8

*The parameters above should only be used for calculation of T_s, determination of Seismic Design Category, and, when taking the exceptions under Items 1 and 2 of ASCE 7-16 Section 11.4.8. (Supplement Number 3 https://ascelibrary.org/doi/epdf/10.1061/9780784414248.sup3).

We recommend that we collaborate with the structural engineer of record to further evaluate the effects of taking the exception on the structural design and identify the need for performing a site-specific ground-motion hazard analysis. We can prepare a proposal for a site-specific ground-motion hazard analysis, if requested.

3.3 SLOPE STABILITY

A primary geotechnical consideration at the site is instability of slopes. Although slope instability may be a significant hazard, it can generally be mitigated using proper corrective grading measures.

Recommendation guidelines for maximum slope gradients for proposed graded slopes are provided in Section 4.6 of this report. Preliminary slope stability analyses are conducted in two of the critical cross sections in this report. However, site-specific slope stability analyses should be performed and additional grading recommendations will be developed and provided during the review of the final grading plans. These analyses will be performed to minimize the potential impacts of slope instability on the proposed development.

Several major fill slopes, up to approximately 70 feet in height and at a slope grading of 3:1 (horizontal:vertical), are proposed along the eastern development area. As described earlier, we prepared five cross sections for the site. For planning purposes, our preliminary slope stability analyses were conducted on the proposed cut slope at the landslide area (Section A-A', Figure 6A), and the critical proposed 60-foot-high fill slope (Section B-B', Figure 6A).

3.3.1 Geometry and Idealized Soil Profiles

To model geometry for our slope stability analyses, we developed a geologic cross section with stratigraphy interpreted from compilation of exploration data. We applied the shear strength parameters or a range of parameters based on laboratory test results, field observations, and our working knowledge of similar deposits in the area. We summarize the strength parameters used in the analyses below.

TABLE 3.3.1-1: Slope Stability Analysis Material Properties

SOIL MATERIAL LAYER	MOIST UNIT WEIGHT (PCF)	MOHR-COULOMB	
		EFFECTIVE COHESION (PSF)	EFFECTIVE FRICTION ANGLE (DEG)
Engineered Fill	120	500	18
Engineered Fill – derivate from bedrock	120	300	24
Alluvium/Colluvium	120	200	18
Weak Bedrock	130	700	22

3.3.2 Method of Analysis

We performed a simplified deformation analysis using the computer program SLIDE version 2018 by Rocscience Inc., which is a limit equilibrium program that allows the user various search routines to locate the minimum factor of safety and critical slip surface. For our analyses, we used an effective stress analysis.

In evaluating the stability of slopes under seismic conditions, we used "pseudostatic" methods of analysis. Pseudostatic methods model the effects of transient or pulsating earthquake loading on a potential slide mass by using an equivalent sustained horizontal force that is the product of a seismic coefficient and the weight of the potential slide mass. To determine the seismic coefficient, we followed the method outlined in the California Geological Survey's (CGS) SP117A "Guidelines for Evaluating and Mitigating Seismic Hazards in California." As listed in Table 3.2-1, the site has a peak ground acceleration (PGA_M) of 1.02g, so a coefficient of 0.26g was selected for the slope stability analyses based on a deformation of 15 cm (6 inches approximately).

3.3.3 Results of Analyses

Based on local geotechnical practice and SP117A, a static factor of safety of 1.5 and a pseudostatic factor of safety of 1.0 are considered adequate for the site.

We performed slope stability analysis based on proposed site grades for both static and pseudostatic conditions on one critical fill slope proposed along the eastern property line. The results of our analyses are summarized in the table below.

TABLE 3.3.3-1 Summary of Slope Stability Analyses

FACTOR OF SAFETY		
LOCATION	STATIC	PSEUDOSTATIC SB117A method (0.26g)
Section A-A'	3.86	1.96
Section B-B'	1.94	1.02

The corrective grading of the cut slope located within the landslide areas will include removal of landslide material to competent bedrock and construction of a drained toe keyway with keying benches. In addition, when the development areas are proposed downslope of landslide or unstable soil, we recommend a drained toe buttress fill with a debris bench of sufficient width to intercept potential slide material.

In order to achieve the adequate factors of safety, the corrective grading for the major fill slope will include removal of colluvial and alluvial soil and construction of a drained toe keyway with keying benches. In addition, for the major fill slope, the base keyway and keying bench will require backfill derived from bedrock material as shown on Cross Section B-B' in Figure 6A.

Recommended corrective grading is approximately shown on the cross sections in Figure 6A and Figure 6B.

3.4 COMPRESSIBLE LANDSLIDE AND COLLUVIAL DEPOSITS

Settlement of soft soil may be significant if not properly mitigated according to recommendations in this report. Differential movement under structures is a primary geotechnical concern. Settlement at the site could be generated from: (1) consolidation of the compressible landslide and colluvial deposits at the face of the slope where fills will be placed, and (2) compression of soil beneath foundation systems due to building loads. For the proposed one- to two-story residential buildings, settlement due to the building loads is expected to be minor. Foundations should be designed to accommodate the expected movements.

According to the exploratory data of Boring B-1 (Berlogar, 1999), the silty clay above bedrock, is found to be 29 feet thick with moisture content ranging from moist to wet, and groundwater was encountered at a depth of 3 feet below grade. In 2023, we drilled an additional boring, Boring 1-B1, in the general area of the low-lying area. The clayey soil above bedrock is approximately 18 feet thick and is medium stiff to stiff with moisture content ranging from moist to wet. Groundwater was encountered at a depth of 11 feet below existing grade in this boring. Based on the results of moisture content and shear strength, the saturated clayey layer is considered to be compressible. According to the preliminary grading plan, the general area will receive fill up to approximately 60 feet thick. Based on our preliminary evaluation, significant settlement will result from additional fill loading at the drainage swales. Therefore, it is our opinion that the landslide material and soft and saturated colluvial/alluvial soil at the development limits should be removed, and recompacted. Remedial grading is discussed in the recommendations section of this report.

3.5 SWELL/SETTLEMENT RELATED TO DEEP FILL

According to the preliminary grading plan, planned design fill up to approximately 60 feet thick will be placed in the drainage swales and low-lying areas. Studies have shown that engineered fill in residential development sites typically experiences increases in moisture content after building construction due to increases in irrigation or natural conditions and to alternation of drainage pattern. This process may take about 5 to 10 years after irrigation commences, or even more, before the fill becomes fully wetted. The wetting process can cause settlement or swell depending on soil type, compaction, moisture content, and the overburden pressures (fill thickness).

Based on the exploration data, the soil generated from the major cut will consist of siltstone interbedded with sandstone.

Compaction and moisture content requirements for placement of the site soil and bedrock material were established based on the laboratory test data conducted at the site and the nearby site, the swelling potential for low confining pressures (shallow expansive clayey fill) is significantly reduced when the soil samples are compacted to a relatively lower compaction and at a higher moisture content, and the settlement potential for high confining pressures (deep expansive clayey fill) are compacted to a relatively higher compaction. The compaction and moisture content requirements are provided in Section 4.11.

3.6 EXPANSIVE SOIL

Based on the test results, the clayey soil at the site has a plastic index ranging from 43 to 47 and will exhibit high to very high shrink/swell potential with variations in moisture content. Expansive soil changes in volume with changes in moisture. It can shrink or swell and cause heaving and cracking of slabs-on-grade, pavements, and structures founded on shallow foundations. Building damage due to volume changes associated with expansive soil can be reduced by: (1) using a rigid mat foundation that is designed to resist the settlement and heave of expansive soil, (2) deepening the foundations to below the zone of moisture fluctuation, i.e. by using deep footings or drilled piers, and/or (3) using footings at normal shallow depths but bottomed on a layer of select fill having a low expansion potential.

Post-tensioned mat foundations are the preferred foundation system for the residential structures. Design criteria for this foundation type are presented in “Foundation Recommendations” section.

Successful performance of structures on expansive soil requires special attention during construction. It is imperative that exposed soil be kept moist prior to placement of concrete for foundation construction. It can be difficult to remoisturize clayey soil without excavation, moisture conditioning, and recompaction.

3.7 DIFFERENTIAL FILL THICKNESS

Some of the single-family residential lots planned on fill above existing steep slopes could have a differential fill thickness if not graded properly. Differential building movements, although not seriously damaging, may become apparent for large differentials in fill thickness. Based on our experience with the nearby sites, a program for subexcavation for individual lots is recommended to limit differential fill thickness across a lot be less than 10 feet. Local subexcavation of soil material and replacement by engineered fill will be necessary to achieve these requirements. Overexcavation requirements will be provided by the geotechnical engineer based on a review of the final grading plans.

3.8 CUT-FILL TRANSITION LOTS, AND CUT LOTS

Some residential lots in this project site will likely be entirely in cut or traversed by a cut-fill transition. We anticipate that significant variations in material properties may occur in areas of cut or cut-and-fill daylighting if not mitigated during site grading. Atterberg Limits test data indicate that there is a potential for a significant differential in swell characteristics across cut areas and cut/fill transitions. Such situations can be detrimental to building performance. Recommendations are provided subsequently in this report to mitigate the effect on structures caused by differential subgrade performance over cut and cut-fill transition zones.

3.9 EXCAVABILITY

A rubber-tire backhoe excavator was used during our exploratory pit excavation in 2023. Based upon our observation and experience, we provide the following conclusions regarding excavation resistance at the site.

1. Conventional heavy-duty grading and backhoe equipment will likely be able to excavate the soil deposits.
2. Conventional heavy-duty grading and backhoe equipment will likely be able to excavate the weathered bedrock, consisting of siltstone and sandstone, using moderate to high effort. Deeper grading excavations in bedrock will likely require moderate effort with a CAT D8 or larger bulldozer, equipped with single or multi-shank rippers. A CAT 336F or larger excavator should be used to facilitate deep trench excavations in harder bedrock layers with moderate effort.

We provide the above excavatability information for general planning purposes only. This information is not intended for bidding purposes.

3.10 SOIL CREEP

Soil creep is a natural process that involves slow downhill movement of soil mantle on a slope. Soil creep consists of lateral extension and vertical settlement. Soil creep results when surficial expansive soil is subjected to wetting and drying cycles caused by seasonal moisture changes, precipitation, and/or long-term landscape irrigation; by the growth of roots; and by burrowing animals.

In order to minimize the effect of soil creep of the major downhill fill slope on the proposed residential buildings, residential structures should be set back at least 15 feet from the top of the downhill slopes.

The surface manifestations of soil creep for other improvements include tipping/tilting of fence posts, separations of exterior concrete slabs or other landscape elements from residential buildings, and cracks with vertical and/or horizontal offsets in surface and near-surface improvements. The amounts of vertical and horizontal movement are a function of the soil physical characteristics, such as plasticity, height and gradient of the downhill slope, and the depth of wetting and drying cycles. Improvements constructed on or near downhill slopes will be impacted by soil creep. Any improvements planned on or near the tops of downhill slopes should consider soil creep.

3.11 SOIL CORROSION POTENTIAL

We recommend that representative near-surface soil samples be collected and tested for sulfate once grading of building pads is complete to determine the potential for sulfate attack on the foundation concrete and provide recommended concrete design parameters in accordance with the guidelines presented in the current California Building Code.

4.0 EARTHWORK RECOMMENDATIONS

Based on the findings of the previous and current subsurface explorations, geologic mapping, laboratory testing, and field experience, we provide the following geotechnical recommendations for use during mass grading and construction.

As used in this report, relative compaction refers to the in-place dry unit weight of soil expressed as a percentage of the maximum dry unit weight of the same soil, as determined by the ASTM D1557 laboratory compaction test procedure, latest edition. Compacted soil is not acceptable if it is unstable; it should exhibit only minimal flexing or pumping, as observed by an ENGEO representative. The term “moisture condition” refers to adjusting the moisture content of the soil by either drying if too wet or adding water if too dry.

We define “structural areas” as any area sensitive to settlement of compacted soil. These areas include, but are not limited to building pads, sidewalks, pavement areas, and retaining walls.

4.1 GENERAL SITE CLEARING

Areas to be developed should be cleared of surface and subsurface deleterious materials, including buried utility and irrigation lines, debris, and designated trees, shrubs, and associated roots. Clean and backfill excavations extending below the planned finished site grades with suitable material compacted to the recommendations presented in in this report. ENGEO should be retained to observe and test backfilling.

Following clearing, strip the site to remove surface organic materials. Organics should be stripped from the ground surface to a depth of at least 2 to 3 inches below the surface. Tree roots should be removed to a depth of at least 3 feet below finished grade in cut lots and 3 feet below original grade in fill lots. Remove strippings and tree roots from the site or, if considered suitable by the landscape architect and owner, use them in landscape fill. It may also be feasible to mulch organics in place, depending on the amount and type of vegetation present at the time of grading, as well as the proposed mulching method. If desired, ENGEO can evaluate site vegetation at the time of grading to assess the feasibility of mulching organics in place.

4.2 GRADING

The following grading recommendations are provided for the project based upon the current conceptual site grading depicted on the project plan, prepared by CBG. Once final grading plans are prepared ENGEO should prepare corrective grading plans to depict the location of keyways, landslide/colluvium removals, slope rebuilds, subdrains, and subexcavation for differential fill lots, cut lots, and cut-fill lots. The final grading plans for the project should be reviewed by the geotechnical engineer. The geotechnical engineer should be notified at least 3 days prior to grading to coordinate its schedule with the grading contractor. Grading operations should be observed and tested by the field representative of the geotechnical engineer.

4.3 SELECTION OF MATERIALS

Except for the organically contaminated near-surface material, the site soil and rocks containing less than 3 percent organics are suitable for use as engineered fill. Imported fill material should meet the above requirements and have a plasticity index like on-site soil material. We should be given the opportunity to sample, and test proposed imported fill materials at least 5 days prior to delivery to the site. Although not anticipated at the site, if encountered, placement of oversized rock in the fill should be done according to the following specifications.

- The rock should be placed in the deep fill. No rock fragments larger than 6 inches in diameter shall be placed in the upper 15 feet of finished grade.
- The rock size to be placed in the engineered fill should not exceed 18 inches in any dimension. Larger rock sizes should be broken mechanically either by the heavy bulldozers rolling on them or by a pneumatic hammer mounted on a backhoe.

4.4 KEYWAYS

After stripping, mass grading should begin with construction of keyways and subdrains. All fill should be adequately keyed into firm natural materials unaffected by shrinkage cracks.

Typical keyway configurations and subdrain details are shown in Figures 7 and 8. Slope keys or benches should be constructed above toe keys as filling progresses. Unless otherwise recommended by the geotechnical engineer, such keys should be placed at vertical height intervals of not less than 5 feet and should be excavated into firm competent soil or bedrock. Recommended keyway sizes and locations will be depicted on the corrective grading plans. The actual size of the keyways will be determined by the geotechnical engineer in the field during grading. Keyways will also be required at the toes of slopes where debris benches are required.

All keyway excavations should be examined and approved by the engineering geologist during grading for extents of landslide removal, adverse bedding, seepage, or bedrock conditions that may affect slope stability. If adverse geologic conditions are detected during grading, additional recommendations may be necessary.

4.5 LANDSLIDE AND COLLUVIUM/ALLUVIUM REMOVALS

Landslide debris and compressible colluvial/alluvial deposits within the drainage swales of the proposed development should be removed to expose competent bedrock. The final corrective grading plans will include the approximate location of landslide and colluvium/alluvium removal areas as they affect the proposed development. All removals should be examined and approved by the engineering geologist during grading. If adverse geologic conditions are detected during grading, additional recommendations may be necessary.

4.6 GRADED SLOPES AND SLOPE STABILIZATION

The following guidelines may be used when considering slope gradients and heights of the proposed cut and fill slopes.

TABLE 4.6-1: Recommended Slope Heights and Gradients

SLOPE GRADIENT (HORIZONTAL:VERTICAL)	HEIGHT
2:1	<10 Feet
2½	≤15 Feet
3:1	≥10 Feet

Where steeper slopes than those recommended above are proposed, supplemental slope stabilization techniques (e.g. geogrid reinforcing, specific construction methods and/or use of specific soil materials) will be required. Based on the results of our preliminary slope stability analysis, the portion of the keyway for the proposed 3:1 fill slope at the eastern portion of the development area will require select fill as backfill that is derived from the siltstone and sandstone. The select backfill should be placed in the base keyway as shown on Cross Section B-B' in Figure 6A. In addition, steeper and higher slopes than recommended above are proposed along the main access road, geogrid reinforcing will be required for the slope construction.

The project engineering geologist should view all cut slopes for unsuspected slope conditions that may be detrimental to slope stability. Such conditions may include adverse rock and seepage conditions. If such conditions are encountered, additional recommendations for mitigation will be provided. The geologic conditions and mitigation measures will be documented during mass grading for later use by the Geologic Hazard Abatement District (GHAD).

4.7 SUBSURFACE DRAINAGE FACILITIES

Subsurface drainage systems are planned for keyways, in drainage swales, and at the base of removal areas, as a minimum. Secondary bench subdrains may also be required, depending upon the height of the fill slope and the slope of the underlying native terrain. In addition, observed seepage areas or suspected spring areas should be controlled in development areas through the use of subdrains. Positive fall of at least 1 percent towards an approved outlet should also be provided for all subdrains.

As shown in Figure 8, subdrain systems should consist of a minimum 6-inch-diameter perforated SDR35 pipe encased in Caltrans Class 2 Permeable Material, or crushed rock wrapped in filter fabric. As an alternative, prefabricated geocomposite drainage material (such as SKAPS TNS 220-6) could be considered in lieu of the granular medium above the subdrain zone.

Subdrain pipe shall conform with these supplemental recommendations unless specified elsewhere by ENGEO. Perforated pipe for various depths shall be manufactured in accordance with the following requirements:

TABLE 4.7-1: Perforated Pipe Requirements

PIPE TYPE	STANDARD	TYPICAL SIZES (INCHES)	PIPE STIFFNESS (PSI)
PIPE STIFFNESS ABOVE 200 PSI (BELOW 50 FEET OF FINISHED GRADE)			
ABS SDR 15.3		4 to 6	450
PVC Schedule 80	ASTM D1785	3 to 10	530
PIPE STIFFNESS BETWEEN 100 PSI AND 150 PSI (BETWEEN 15 AND 50 FEET OF FINISHED GRADE)			
ABS SDR 23.5	ASTM D2751	4 to 6	150
PVC SDR 23.5	ASTM D3034	4 to 6	153

PIPE TYPE	STANDARD	TYPICAL SIZES (INCHES)	PIPE STIFFNESS (PSI)
PVC Schedule 40	ASTM D1785	3 to 10	135
ABS Schedule 40/DWV	ASTM D1527 & D2661	3 to 10	
PIPE STIFFNESS BETWEEN 45 PSI AND 50 PSI* (BETWEEN 0 TO 15 FEET OF FINISHED GRADE)			
PVC A-2000	ASTM F949	4 to 10	50
PVC SDR 35	ASTM D3034	4 to 8	46
ABS SDR 35	ASTM D2751	4 to 8	45
Corrugated PE	AASHTO M294 Type S	4 to 10	45

*Pipe with a stiffness less than 45 psi should not be used.

Other pipes not listed in the table above shall be submitted for review by the geotechnical engineer not less 72 hours before proposed use.

Discharge from the subdrains will generally be low but in some instances may be continuous. Subdrains should outlet into the storm drain system or other approved outlets, and their locations should be surveyed and documented by the project civil engineer for future maintenance and for documentation as they relate to the proposed buildings.

Not all sources of seepage are evident during the time of field work because of the intermittent nature of some of these conditions and their dependence on long-term climatic conditions. Furthermore, new sources of seepage may be created by a combination of changed topography, manmade irrigation patterns, and potential utility leakage. Since uncontrolled water movements are one of the major causes of detrimental soil movements, it is of utmost importance that a geotechnical engineer be advised of any seepage conditions so that remedial action may be initiated, if necessary. Proposed subdrain locations are depicted in the cross sections in Figures 6A and 6B of this report. Recommendations of the final subdrain locations will be depicted on the corrective grading plans. Actual subdrain locations will be determined in the field during grading activities.

4.8 DEBRIS BENCH

All cut or natural uphill slopes that are immediately adjacent to the development will require construction of a drained, buttressed debris bench. The drained, buttressed debris bench should consist of a drained keyway excavated into firm bedrock or competent material with a debris bench constructed as shown in Figure 9. The outboard side of the debris bench should be provided with a concrete v-ditch discharging into an approved outlet. The slope below the debris bench can be at a slope gradient of 2.5:1 and up to 15 feet high or at a slope gradient of 2:1 and up to 10 feet high.

All debris benches will require periodic maintenance consisting of the removal and disposal of accumulated slope detritus. Proper access should be provided for the heavy equipment, which may be required for removal of slide debris from benches. The maintenance of these debris benches will be provided by the Geologic Hazard Abatement District (GHAD).

4.9 CUT LOTS AND CUT-FILL TRANSITION LOTS

Some residential lots in this project will likely be entirely in cut or traversed by a cut-fill transition. We anticipate that significant variations in material properties may occur in areas of cut or

cut-and-fill daylighting if not mitigated during site grading. Atterberg Limits test data indicate that there is a potential for a significant differential in swell characteristics across cut areas and cut/fill transitions. Such situations can be detrimental to building performance. As such, it is recommended to overexcavate the cut portions of transition lots and replace the excavated materials with properly compacted, engineered fill. This can be accomplished by subexcavating the natural soil cover and the native rock and replacing the subexcavated material with engineered fill as shown in Figure 10. The subexcavation depth should be 3 feet for cut-fill transition lots. In addition, cut-lot building areas should be overexcavated and reworked to at least 3 feet below rough pad grade.

4.10 DIFFERENTIAL FILL THICKNESS

Differential building movements, although not seriously damaging, may become apparent for large differential fill thicknesses. Therefore, we recommend that the differential fill thickness under individual buildings be less than 10 feet. Local subexcavation of soil/bedrock material and replacement by engineered fill will be necessary to achieve this requirement as shown in Figure 11.

4.11 PLACEMENT OF FILL

After removal of soft soil, the exposed non-yielding surface of all areas should be scarified to a depth of 12 inches, moisture conditioned, and recompacted to provide adequate bonding with the initial lift of fill. All fill should be placed in thin lifts. The lift thickness should not exceed 8 inches or the depth of penetration of the compaction equipment used, whichever is less. Test procedures should be determined in accordance with ASTM D1557. Additional samples will be collected during site grading and transported to our laboratory for compaction curve testing.

TABLE 4.11-1: Fill Placement Specifications

LOCATION	MINIMUM RELATIVE COMPACTION	MINIMUM MOISTURE CONTENT (PERCENT ABOVE OPTIMUM)
General Fill (< 5 feet deep)	87 to 92	5
General Fill (5 to 40 feet deep)	90	4
General Fill (≥ 40 feet deep) or bedrock derived fill	95	3
Keyway	95	3

4.12 MONITORING AND TESTING

Our experience and that of our profession clearly indicate that the risk of costly design, construction, and maintenance problems can be significantly lowered by retaining the design geotechnical engineering firm to:

1. Review the final grading and foundation plans and specifications prior to construction to evaluate whether our recommendations have been implemented, and to provide additional or modified recommendations, as needed. This also allows us to check if any changes have occurred in the nature, design, or location of the proposed improvements and provides the opportunity to prepare a written response with updated recommendations.

2. Perform construction monitoring to check the validity of the assumptions we made to prepare this report. Earthwork operations should be performed under the observation of our representative to check that the site is properly prepared, the selected fill materials are satisfactory, and that placement and compaction of the fill has been performed in accordance with our recommendations and the project specifications. Sufficient notification to us prior to earthwork is important.

If we are not retained to perform the services described above, then we are not responsible for any party's interpretation of our report (and subsequent addenda, letters, and verbal discussions).

4.13 UTILITIES

We recommend that utility trench backfilling be performed under the observation of a representative of our firm. Pipe zone backfill (i.e., material beneath and immediately surrounding the pipe) may consist of a well-graded import less than ¾ inch in maximum dimension and placed with compactive effort. Trench zone backfill (i.e., material placed between the pipe zone backfill and the ground surface) may consist of native soil compacted in accordance with recommendations for engineered fill in Section 4.11.

Where import material is used for pipe zone backfill, we recommend it consist of fine- to medium-grained sand or a well-graded mixture of sand and gravel, and that this material not be used within 2 feet of finish grades. In general, uniformly graded gravel should not be used for pipe or trench zone backfill due to the potential for migration of (1) soil into the relatively large void spaces present in this type of material, and (2) water along trenches backfilled with this type of material. All utility trenches entering buildings and paved areas must be provided with an impervious seal consisting of native materials or concrete where the trenches pass under the building perimeter or curb lines. The impervious plug should extend at least 4 feet to either side of the crossing. This is to prevent surface water percolation into the sands under foundations and pavements where such water would remain trapped in a perched condition.

Care should be exercised where utility trenches are located beside foundation areas. Utility trenches constructed parallel to foundations should be located entirely above a plane extending down from the lower edge of the footing at an angle of 45 degrees. Utility companies and Landscape Architects should be made aware of this information.

Utility trenches in areas to be paved should be constructed in accordance with Contra Costa County requirements. Compaction of trench backfill by jetting is not an appropriate method of compaction. If there appears to be a conflict between the County or other agency requirements and the recommendations contained in this report, this should be brought to the Owner's attention for resolution prior to submitting bids.

4.14 EXCAVATIONS AND SHORING

All excavations should be properly excavated, and shored as applicable, to create a stable and safe condition. It is the responsibility of every contractor to provide such stable, safe trench and construction slope conditions and to follow OSHA safety requirements. Since excavation procedures may be dangerous, it is also the responsibility of each contractor to provide a trained "competent person" as defined by OSHA to supervise all excavation operations, ensure that all personnel are working in safe conditions, and have thorough knowledge of OSHA excavation safety requirements.

Surcharge loads should be kept a horizontal distance of at least 5 feet or half the excavation depth (whichever is greater) from the top of temporary excavations.

4.15 EROSION CONTROL

The tops of fill or cut slopes should be graded in such a way as to prevent water from flowing freely down the slopes. Due to the nature of the site soil and bedrock, graded slopes may experience severe erosion when grading is halted by heavy rain. Therefore, before work is stopped, a positive gradient away from the tops of slopes should be provided to carry the surface runoff away from the slopes to areas where erosion can be controlled. It is vital that no completed slope be left standing through a winter season without erosion control measures having been provided.

Because the existing bedrock is relatively nutrient poor, it may be difficult for vegetation to become properly established, resulting in a potential for slope erosion. Revegetation of graded slopes can be aided by retaining the organic-rich strippings and spreading these materials in a thin layer (approximately 6 inches thick) on the graded slopes prior to the winter rains and following rough grading. All landscaped slopes should be maintained in a vegetated state after project completion. The use of drought-tolerant vegetation requiring infrequent drip irrigation during summer is recommended. No pressurized irrigation lines should be placed on or near the tops of graded slopes.

4.16 SITE DRAINAGE

The project civil engineer is responsible for designing surface drainage improvements. With regard to geotechnical engineering issues, we recommend that finish grades be sloped away from buildings and pavements to the maximum extent practical. The latest California Building Code Section 1804.3 specifies minimum slopes of 5 percent away from foundations. Where development conditions restrict meeting this slope requirement, we recommend that specific drainage requirements be developed. As a minimum, we recommend the following.

1. Discharge roof downspouts into closed conduits and direct away from foundations to appropriate drainage devices.
2. Consider the use of rear lot surface drainage collection systems to reduce overland surface drainage from back to front of lot.
3. Do not allow water to pond near foundations, pavements, or exterior flatwork.
4. Maintain uniform moisture around the building.

4.17 STORMWATER INFILTRATION AND BIORETENTION AREAS

Due to the fine soil encountered during the geotechnical exploration, the near-surface site soil is expected to have a low permeability value for stormwater infiltration in grassy swales or permeable pavers, unless subdrains are installed. Therefore, Best Management Practices should assume that limited stormwater infiltration will occur at the site.

The preliminary grading plan shows a bioretention area will be constructed north of the main road near to the entry. We recommend that, when practical, they be planned a minimum of 5 feet away from structural site improvements, such as buildings, streets, retaining walls, and sidewalks/driveways. When this is not practical, bioretention areas located within 5 feet of structural site improvements can either:

1. Be constructed with structural side walls capable of withstanding the loads from the adjacent improvements, or
2. Incorporate filter material compacted to between 85 and 90 percent relative compaction (ASTM D1557, latest edition) and a waterproofing system designed to reduce the potential for moisture transmission into the subgrade soil beneath the adjacent improvement.

In addition, one of the following options should be followed.

1. We recommend that bioretention design incorporate a waterproofing system lining the bioswale excavation and a subdrain, or other storm drain system, to collect and convey water to an approved outlet. The waterproofing system should cover the bioretention area excavation in such a manner as to reduce the potential for moisture transmission beneath the adjacent improvements.
2. Alternatively, and with some risk of movement of adjacent improvements, if infiltration is desired, we recommend the perimeter of the bioretention areas be lined with an HDPE tree root barrier that extends at least 1 foot below the bottom of the bioretention areas/infiltration trenches.

Site improvements, such as the entry road, located adjacent to bioretention areas that are underlain by base rock, sand, or other imported granular materials, should be designed with a deepened edge that extends to the bottom of the imported material underlying the improvement.

Where adjacent site improvements include buildings greater than three stories, streets steeper than 3 percent, or design elements subject to lateral loads (such as from impact or traffic patterns), additional design considerations may be recommended. If the surface of the bioretention area is depressed, the slope gradient should follow the slope guidelines described in earlier section(s) of this document. In addition, although not recommended, if trees are to be planted within bioretention areas, HDPE tree boxes that extend below the bottom of the bioretention system should be installed to reduce potential impact to subdrain systems that may be part of the bioretention area design. For this condition, the waterproofing system should be connected to the HPDE tree box with a waterproof seal.

Given the nature of bioretention systems and possible proximity to improvements, we recommend ENGEO be retained to review design plans and provide testing and observation services during the installation of linings, compaction of the filter material, and connection of designed drains.

It should be noted that the contractor is responsible for conducting all excavation and shoring in a manner that does not cause damage to adjacent improvements during construction and future maintenance of the bioretention areas. As with any excavation adjacent to improvements, the contractor should reduce the exposure time such that the improvements are not detrimentally impacted.

4.18 LANDSCAPING CONSIDERATION

As the near-surface soil is highly to very highly expansive, we recommend greatly restricting the amount of surface water infiltration near structures, pavements, flatwork, and slabs-on-grade. This may be accomplished by:

- Selecting landscaping that requires little or no watering, especially within 3 feet of structures, slabs-on-grade, or pavements.
- Using low precipitation sprinkler heads.
- Regulating the amount of water distributed to lawn or planter areas by installing timers on the sprinkler system.
- Providing surface grades to drain rainfall or landscape watering to appropriate collection systems and away from structures, slabs-on-grade, or pavements.
- Preventing water from draining toward or ponding near building foundations, slabs-on-grade, or pavements.
- Avoiding open planting areas within 3 feet of the building perimeter.

We recommend that these items be incorporated into the landscaping plans.

4.19 REMEDIAL GRADING PLANS

Due to the complex geology and hillside topography, we recommend that ENGEO be retained to prepare remedial grading plans for this project. This is important to clarify our geotechnical recommendations related to keyways, benches, cut/fill transition subexcavations, and subdrains. In preparing these plans, we intend to overlay the grading plans with graphic representations of our grading and subsurface drainage recommendations presented in this report. This allows the unique hillside geotechnical recommendations to be clearly displayed on the grading plans. This can assist in obtaining more accurate earthwork bids as well as clarifying the geotechnical recommendations as they apply to the final grading plan.

5.0 FOUNDATION RECOMMENDATIONS

We developed the foundation recommendations below using data obtained from field explorations, laboratory test results, and engineering analysis. As discussed previously, some of the site soil and bedrock materials have a high to very high expansion potential.

5.1 PRELIMINARY POST-TENSIONED MAT FOUNDATIONS

We recommend that the proposed one- and two-story structures be supported on post-tensioned (PT) mat foundations bearing on prepared natural soil or compacted fill. We provided the following preliminary foundation recommendations for the post-tensioned mat foundations based on the native soil encountered within the site. Soil sampling should be conducted on the building pads once the mass grading is complete to confirm the following foundation recommendations are valid for the site.

For residences located on level building pads and at least 15 feet from the major downhill slopes, post-tensioned mat systems can be used to support the proposed residential buildings.

We recommend that post-tensioned mats be approximately 10 inches thick or greater and have a thickened edge at least 2 inches greater than the mat thickness. The structural engineer should determine the actual post-tensioned mat thickness using the geotechnical recommendations in this report; we defer to the professional judgment of the structural engineer on the necessary mat thickness. We should be retained to review the post-tensioned mat foundation design. We recommend that the thickened edge be at least 12 inches wide.

Design PT mats may be designed for an average allowable bearing pressure of 1,000 pounds per square foot (psf), for dead-plus-live loads with maximum localized bearing pressures of 1,500 psf at column or wall loads. The allowable bearing pressure can be increased by one-third for all loads including wind or seismic. Preliminarily, PT mats can be designed using the criteria presented in the table below.

TABLE 5.1-1: Post-Tensioned Mat Design Criteria

CONDITION	CENTER LIFT	EDGE LIFT
Edge Moisture Variation Distance, e_m (feet)	7.5	4.0
Differential Soil Movement, y_m (inches)	1.4	2.2

The post-tensioned mats should be designed according to the method recommended in “Standard Requirements for Design and Analysis of Shallow Post-Tensioned Concrete Foundations on Expansive and Stable Soil” (PTI DC10.5-19) by the Post-Tensioning Institute.

Subgrade Treatment for Mat Foundations. The subgrade material under structural mats should be uniform. The upper 12 inches of pad subgrade should be moisture conditioned to a moisture content of at least 5 percentage points above optimum. The subgrade should be thoroughly soaked prior to placing the concrete. The subgrade should not be allowed to dry prior to concrete placement.

Moisture Vapor Reduction. When buildings are constructed with post-tensioned mats, water vapor from beneath the mat will migrate through the foundation and into the building. This water vapor can be reduced but not eliminated. Vapor transmission can negatively affect floor coverings and lead to increased moisture within a building. Where water vapor migrating through the mat would be undesirable, we recommend the following measures to reduce water vapor transmission upward through the mat foundations.

1. Install a vapor retarder membrane directly beneath the mat. Seal the vapor retarder at all seams and pipe penetrations. Vapor retarders should conform to Class A vapor retarder in accordance with ASTM E 1745-11 “Standard Specification for Plastic Water Vapor Retarders used in Contact with Soil or Granular Fill under Concrete Slabs.”
2. Concrete should have a concrete water-cement ratio of no more than 0.5.
3. Provide inspection and testing during concrete placement to check that the proper concrete and water cement ratio are used.
4. Consider and implement adequate moist cure procedures for mat foundations.

Protect foundation subgrade soil from underseepage by providing impermeable plugs within utility trenches as described in subsequent sections.

5.2 EXTERIOR FLATWORK

Exterior flatwork includes items such as concrete steps and outdoor courtyards exposed to foot traffic only. Secondary slabs-on-grade should be constructed structurally independent of the foundation system. This allows slab movement to occur with a minimum of foundation distress. Where secondary slab-on-grade construction is anticipated, care must be exercised in attaining a near-saturation condition of the subgrade soil before concrete placement.

Secondary slabs-on-grade should be designed specifically for their intended use and loading requirements. Cracking of conventional slabs should be expected due to concrete shrinkage. Slabs-on-grade should be reinforced for control of cracking, and frequent control joints should be provided to control the cracking. Reinforcement should be designed by the structural engineer. In our experience, welded wire mesh may not be sufficient to control slab cracking. As a minimum, secondary slabs-on-grade should be reinforced with No. 3 bars spaced 18 inches on center each way.

Provide a minimum section of 4 inches of concrete over 4 inches of aggregate base. The aggregate base should be compacted to at least 90 percent relative compaction (ASTM D1557). Thicken flatwork edges to at least 10 inches to help control moisture variations in the subgrade and place rebar within the middle third of the slab to help control the width and offset of cracks. Control and construction joints should be constructed in accordance with current Portland Cement Association Guidelines.

5.3 RESIDENTIAL DRIVEWAYS/GARAGE SLABS

Slab thickness and reinforcement of residential driveways should be designed to resist the anticipated traffic and structural loads (and the effects of expansive soil movement) by a structural engineer.

6.0 RETAINING WALLS

6.1 LATERAL SOIL PRESSURES

Unrestrained drained walls constructed on level and sloped foreground should be designed for active lateral fluid pressure as provided below.

TABLE 6.1-1: Active Earth Pressure

BACKFILL SLOPE CONDITION	ACTIVE (UNRESTRAINED) LATERAL EARTH PRESSURE (pcf)
Level	50
4:1	55
3:1	60
2:1	70

Passive pressures acting on foundations may be assumed as 250 pounds per cubic foot (pcf) provided that the area in front of the retaining wall is level for a distance of at least 10 feet or three times the depth of foundation and keyway, whichever is greater. The upper 1 foot of soil should be excluded from passive pressure computations unless it is confined by pavement or a concrete slab. The friction factor for sliding resistance may be assumed as 0.30.

The above lateral earth pressures assume level backfill conditions and sufficient drainage behind the walls to prevent any build-up of hydrostatic pressures from surface water infiltration and/or a rise in the groundwater level. Damp-proofing of the walls should be included in areas where wall moisture would be problematic.

For retaining walls located on top of 3:1 downhill slope, the design wall height should be increased by 3 feet. The active earth pressures for the wall should extend 3 feet below the exposed wall base for a 3:1 downhill slope. Passive pressures can be used starting below the increased wall height on the toe side of the wall. Retaining walls may be supported on continuous footings designed in accordance with recommendations presented in Section 6.3.

The retaining walls located on top of 3:1 downhill slope can also be supported on drilled piers. The drilled piers should be designed to resist a lateral pressure of 500 psf acting on one pier diameter in the upper 3 feet. Passive earth pressures can be assumed below the lateral pressure zone on 1 pier diameter.

Appropriate safety factors against overturning and sliding should be incorporated into the design calculations. The geotechnical engineer should be consulted on design values where surcharge loads, such as from automobiles, are expected for the proposed wall.

Seismic conditions need to be considered in the design of the site retaining walls that are greater than 6 feet in height and walls that are parts of buildings. Under seismic conditions, the active incremental seismic force along the face of a retaining wall should be added to the static active pressures (even in restrained wall conditions, the seismic load should be added to the active pressures for that wall height and backfill slope), and can be calculated as follows.

$$\Delta P = 20 \times H^2$$

H is the design height of the wall (in feet) and ΔP is the active incremental seismic force in pounds per foot of wall length. This force has a horizontal direction and should be applied at 0.3 x H from the base of the wall.

6.2 RETAINING WALL DRAINAGE

Construct either a graded rock drain or utilize geosynthetic drainage composites behind retaining walls to reduce hydrostatic lateral forces. For rock drain construction, we recommend two types of rock drain alternatives.

1. A minimum 12-inch-thick layer of Class 2 Permeable Filter Material (Caltrans Specification 68-2.02F) placed directly behind the wall, or
2. A minimum 12-inch-thick layer of washed, crushed rock with 100 percent passing the ¾-inch sieve and less than 5 percent passing the No. 4 sieve. Envelop rock in a minimum 6-ounce, nonwoven geotextile filter fabric.

For both types of rock drains:

1. Place the rock drain directly behind the walls of the structure.
2. Extend rock drains from the wall base to within 12 inches of the top of the wall.

3. Place a minimum of 4-inch-diameter perforated pipe (glued joints and end caps) at the base of the wall, inside the rock drain and fabric, with perforations placed down.
4. Place pipe at a gradient at least 1 percent to direct water away from the wall by gravity to a drainage facility.

ENGEO should review and approve geosynthetic composite drainage systems prior to use. Backfill behind retaining walls should be placed and compacted in accordance with Section 4.11. Use light compaction equipment within 5 feet of the wall face. If heavy compaction equipment is used, the walls should be temporarily braced to avoid excessive wall movement.

6.3 FOUNDATIONS

Retaining walls may be supported on continuous footings. It is recommended that retaining wall footings be designed using an allowable bearing pressure of 2,000 pounds per square foot (psf) in native firm materials or fill. The minimum embedment depth should be 24 inches below lowest adjacent soil grade.

Drilled piers for the retaining walls should have a minimum depth of 10 feet and a diameter of at least 12 inches.

7.0 PAVEMENT DESIGN

7.1 FLEXIBLE PAVEMENTS

Preliminary pavement design is provided based on assumed traffic indices of 5 and 6 and subgrade resistance values (R-value) of 5 based on the site soil conditions. The traffic index should be determined by the civil engineer or appropriate public agency.

Based on an assumed R-value of 5, the method contained in Chapters 600 through 630 of the Highway Design Manual by Caltrans (including the asphalt factor of safety), assumed traffic indices as listed below and the requirements of Contra Costa County, we recommend the minimum pavement design sections as shown in Table 7.1-1.

TABLE 7.1-1: Preliminary Hot Mix Asphalt Concrete Pavement Sections

TRAFFIC INDEX (TI)	CONTRA COSTA COUNTY SECTION				ENGEO RECOMMENDED PAVEMENT DESIGN		
	HMA (FEET)	AB (FEET)	ASB (FEET)	GE (FEET)	HMA (INCHES)	AB (INCHES)	GE (FEET)
Cul-De-Sac	0.35 (4.2”)	1.5 (18”)		2.54	4½	17½	2.56
5	0.20 (2.4”)	0.5 (6.0”)	0.70 (8.4”)	1.76	3	12½	1.76
6	0.25 (3”)	0.5 (6.0”)	0.80 (9.6”)	1.91	3½	15	1.96

Note: GE is gravel equivalent.

Pavement construction and all materials (hot mix asphalt and aggregate base) should comply with the requirements of the Standard Specifications of the State of California Division of Highways, Contra Costa County, and the following minimum requirements.

- All pavement subgrades should be scarified to a depth of 12 inches below finished subgrade elevation, moisture conditioned to 4 percentage points above optimum moisture content and compacted to at least 90 percent relative compaction.
- Subgrade soil should be in a stable, non-pumping condition at the time aggregate baserock materials are placed and compacted. Proof-rolling with a heavy wheel-loaded piece of construction equipment should be implemented. Yielding materials should be appropriately mitigated, with suitable mitigation measures developed in coordination with the client, contractor, and geotechnical engineer.
- Adequate provisions must be made such that the subgrade soil and aggregate baserock materials are not allowed to become saturated.
- Aggregate base materials should meet current Caltrans specifications for Class 2 aggregate base material and should be compacted to at least 95 percent of maximum dry density at a moisture content of at least 2 percent above optimum. Proof-rolling with a heavy wheel-loaded piece of construction equipment should be implemented after placement and compaction of the aggregate base. Yielding materials should be appropriately mitigated, with suitable mitigation measures developed in coordination with the client, contractor, and Geotechnical Engineer.
- Hot mix asphalt paving materials should meet current Caltrans specifications.
- All concrete curbs separating pavement and irrigated landscaped areas should extend into the subgrade and below the bottom of adjacent aggregate base materials. An under curb drain could also be considered to help collect and transport subsurface seepage.

7.2 CUT-OFF CURBS

Saturated pavement subgrade or aggregate base can cause premature failure or increased maintenance of asphalt concrete pavements. This condition often occurs where landscape areas directly abut and drain towards pavement. If it is desired to install pavement cutoff barriers, they should be placed where pavement areas lie downslope of any landscape areas that are to be sprinklered or irrigated and should extend to a depth of at least 4 inches below the base rock layer. Cutoff barriers may consist of deepened concrete curbs or deep-root moisture barriers.

If reduced pavement life and greater-than-normal pavement maintenance are acceptable to the owner, the cutoff barrier may be eliminated.

8.0 LIMITATIONS AND UNIFORMITY OF CONDITIONS

This report presents geotechnical recommendations for design of the improvements discussed in Section 1.2 for the proposed development. If changes occur in the nature or design of the project, we should be allowed to review this report and provide additional recommendations, if any. It is the responsibility of the owner to transmit the information and recommendations of this report to the appropriate organizations or people involved in design of the project, including but not limited to developers, owners, buyers, architects, engineers, and designers. The conclusions and recommendations contained in this report are solely professional opinions and are valid for a period of no more than 2 years from the date of report issuance.

We strive to perform our professional services in accordance with generally accepted principles and practices currently employed in the area; there is no warranty, express or implied. There are risks of earth movement and property damages inherent in building on or with earth materials.

We are unable to eliminate all risks; therefore, we are unable to guarantee or warrant the results of our services.

This report is based upon field and other conditions discovered at the time of report preparation. We developed this report with limited subsurface exploration data. We assumed that our subsurface exploration data is representative of the actual subsurface conditions across the site. Considering possible underground variability of soil, rock, stockpiled material, and groundwater, additional costs may be required to complete the project. We recommend that the owner establish a contingency fund to cover such costs. If unexpected conditions are encountered, ENGEO should be notified immediately to review these conditions and provide additional and/or modified recommendations, as necessary.

Our services did not include excavation sloping or shoring, soil volume change factors, flood potential, or a geohazard exploration. In addition, our geotechnical exploration did not include work to determine the existence of possible hazardous materials. If any hazardous materials are encountered during construction, the proper regulatory officials should be notified immediately.

This document must not be subject to unauthorized reuse, that is, reusing without our written authorization. Such authorization is essential because it requires us to evaluate the document's applicability given new circumstances, not the least of which is passage of time.

Actual field or other conditions will necessitate clarifications, adjustments, modifications, or other changes to our documents. Therefore, we must be engaged to prepare the necessary clarifications, adjustments, modifications, or other changes before construction activities commence or further activity proceeds. If our scope of services does not include on-site construction observation, or if other persons or entities are retained to provide such services, we cannot be held responsible for any or all claims arising from or resulting from the performance of such services by other persons or entities, and from any or all claims arising from or resulting from clarifications, adjustments, modifications, discrepancies, or other changes necessary to reflect changed field or other conditions.

SELECTED REFERENCES

American Concrete Institute. 2019. Building Code Requirements for Structural Concrete (ACI 318-19) and Commentary (ACI 318R-14).

American Society of Civil Engineers. 2016. Minimum Design Loads for Buildings and Other Structures, ASCE Standard, ASCE/SEI 7-16.

Barton, N. R. 1974. A review of the shear strength of filled discontinuities in rock. Norwegian Geotechnical Institute, Publication No. 105.

Baez Geotechnical Group. 2023. Preliminary Evaluation of the Recent Corte Dorado Hillside Landslide and preliminary Mitigation Recommendations, Elworthy Property East of the Corte Dorado Cul-de-sac, Behind Nickelson and Brown Residences, 428 and 432 Corte Corado, Danville, California. April 21, 2023. Project No. G345.01.

Berlogar Geotechnical Consultants. 1999. Preliminary Geotechnical Investigation, Elworthy East Property, Danville, California. August 4, 1999. Project No. 2328.101.

Bray, J.D. and Sancio, R.B. 2006. Assessment of Liquefaction Susceptibility of Fine-Grained Soils, Journal of Geotechnical and Geoenvironmental Engineering. ASCE, September 2006.

California Building Code (CBC). 2022.

California Department of Transportation. 2020. “Highway Design Manual,” Chapter 630, Flexible Pavements, July 1, 2020.

California Geological Survey. 2008, Guidelines for Evaluating and Mitigating Seismic Hazards in California, Special Publication 117A.

CBG. 2024. Preliminary Grading Plan, Elworthy Property, City of Danville, Contra Costa County, California. January 30, 2024.

Duncan, J. M., Wright, S. and Bradon, TL. 2014. Soil Strength and Slope Stability, Second Edition.

Graymer, R.W., Jones, D.L., and Brabb, E.E. 1994. Preliminary Geologic Map Emphasizing Bedrock Formations in Contra Costa County, California.

Hart, Earl W., Bryant, William A. 1997. “Fault-Rupture Hazard Zones in California, Alquist-Priolo Earthquake Fault Zoning Act with Index to Earthquake Fault Zone Maps, Divisions of Mines and Geology Special Publication 42.

Historical Aerials. 2024. www.historicaerials.com; website accessed February 2024.

Mikola, R.G., Candia, G., and Sitar, N. 2013. Seismic Earth Pressures on Retaining Structures and Basement Walls. 10th U.S. National Conference on Earthquake Geotechnical Engineering, Anchorage, Alaska.

SELECTED REFERENCES (Continued)

Nilsen, T.H. 1975. Preliminary Photointerpretation map of landskide abd other surficial deposits of the Dublin 7 ½‘ quadrangle, Alameda and Contra Costa Counties, California. United States Department of the Interior Geological Survey.

Post-Tensioning Institute. 2019. Standard Requirements for Design and Analysis of Shallow Post-Tensioned Concrete Foundations on Expansive and Stable Soils. PTI DC10.5-19.

Structural Engineers Association of California (SEAOC). 1996. Recommended Lateral Force Requirements and Tentative Commentary.

Transportation Research Board. 1996. Landslides Investigation and Mitigation, Special Report 247.

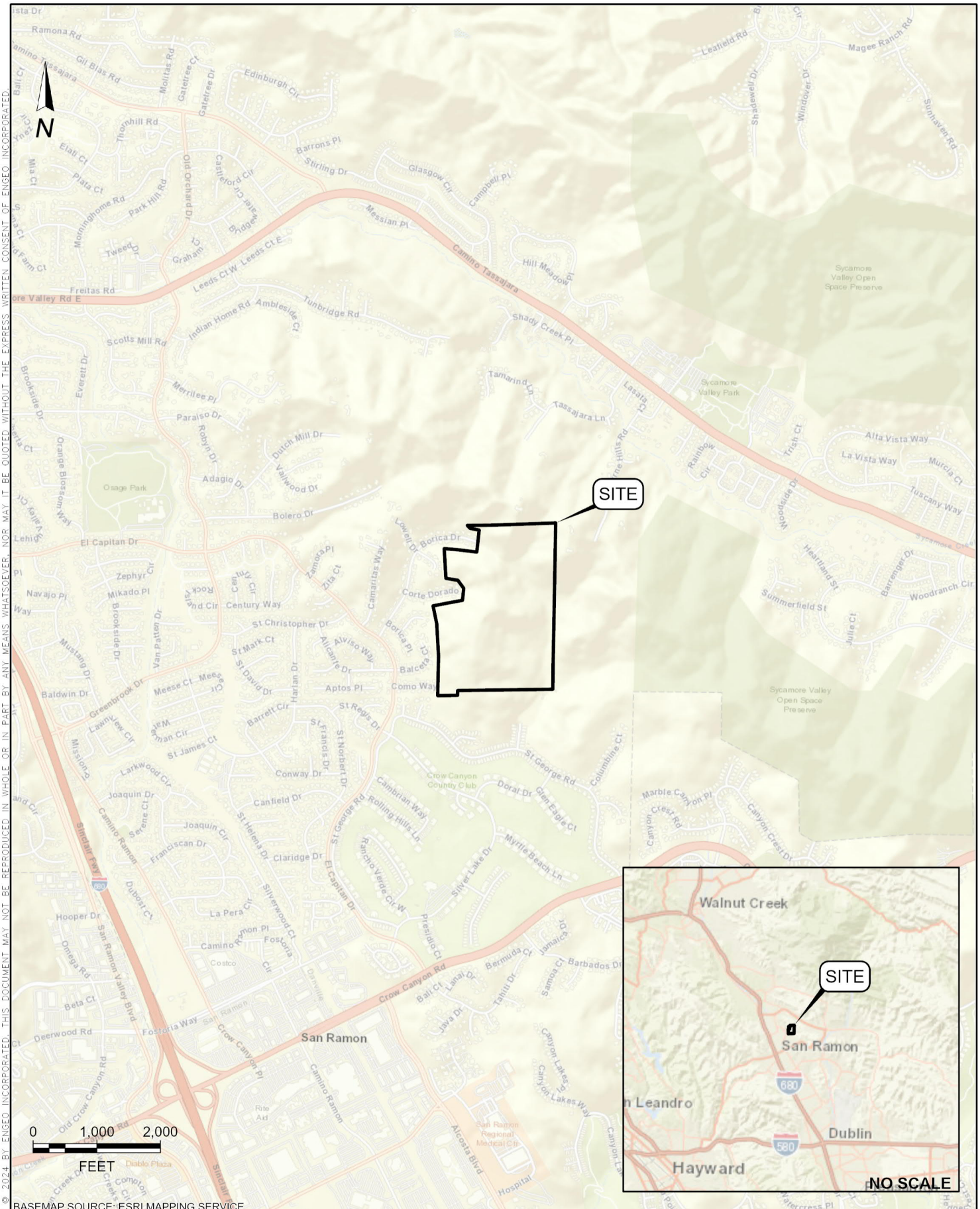
United States Geological Survey (USGS). Unified Hazard Tool. https://earthquake.usgs.gov/hazards/interactive/

Working Group on California Earthquake Probabilities. 2013. The Uniform California Earthquake Rupture Forecast, Version 3 UCERF 3, USGS Open File Report 2013.



FIGURES

FIGURE 1: Vicinity Map
FIGURE 2: Site Plan
FIGURE 3: Regional Geologic Map
FIGURE 4: Regional Landslide Map
FIGURE 5: Regional Faulting and Seismicity Map
FIGURE 6A: Cross Sections A-A' and B-B'
FIGURE 6B: Cross Sections C-C' thru E-E'
FIGURE 7: Typical Keyway Detail
FIGURE 8: Typical Subdrain Details
FIGURE 9: Debris Bench Detail
FIGURE 10: Typical Cut/Fill Transition Lot Details
FIGURE 11: Typical Differential Lot Fill Thickness Details



BASEMAP SOURCE: ESRI MAPPING SERVICE

COPYRIGHT © 2024 BY ENGEO INCORPORATED. THIS DOCUMENT MAY NOT BE REPRODUCED IN WHOLE OR IN PART BY ANY MEANS WHATSOEVER, NOR MAY IT BE QUOTED WITHOUT THE EXPRESS WRITTEN CONSENT OF ENGEO INCORPORATED.

ENGEO
Expect Excellence

VICINITY MAP

ELWORTHY EAST PROPERTY

DANVILLE, CALIFORNIA

PROJECT NO. :	24441.000.001
SCALE:	AS SHOWN
DRAWN BY: CMG	CHECKED BY: MT

FIGURE NO. 1

PATH: G:\DRAFTING\PROJECTS_24000 TO 25999\24441\24441000001\GEOTECH\GEX\24441000001_ELWORTHY_EAST_PROPERTY_GEX_0124.APRX
LAYOUT: 01. VICINITY 8.5 X 11 PORTRAIT USER: CGUERIN

ORIGINAL FIGURE PRINTED IN COLOR

COPYRIGHT © 2024 BY ENGEO INCORPORATED. THIS DOCUMENT MAY NOT BE REPRODUCED IN WHOLE OR IN PART BY ANY MEANS WHATSOEVER, NOR MAY IT BE QUOTED OR EXCERPTED WITHOUT THE EXPRESS WRITTEN CONSENT OF ENGEO INCORPORATED.

N

SITE

Borica Drive

Corte Dorado

Como Way

Qls
Tgvt
Tgvtt
Qaf
Qal
Qc

TP-1 TP-2 TP-3 TP-4 TP-5 TP-6 TP-7 TP-8 TP-9 TP-10 TP-11 TP-12 TP-13 TP-14 TP-15 TP-16 TP-17 TP-18 TP-19 TP-20 TP-21 TP-22 TP-23 TP-24 TP-25 TP-26 TP-27 TP-28 TP-29 TP-30 TP-31 TP-32 TP-33 TP-34 TP-35 TP-36 TP-37 TP-38 TP-39 TP-40 TP-41 TP-42 TP-43 TP-45 TP-46 TP-47 TP-48 TP-49 TP-51 TP-52 TP-54 TP-55 TP-56 TP-57 TP-58 TP-59 TP-60 TP-61 TP-62 TP-63 TP-64 TP-65 TP-66 TP-67 TP-68 TP-69 TP-70 TP-71 TP-72 TP-73

1-TP01 1-TP02 1-TP03 1-TP04 1-TP05 1-TP06 1-TP07 1-TP08 1-TP09 1-C1 1-B1 1-B2 1-B3 B-1 B-2 B-3

LOT 1 PAD 623.5
LOT 2 PAD 628.5
LOT 3 PAD 631.5
LOT 4 PAD 634.5
LOT 5 PAD 638.0
LOT 6 PAD 641.5
LOT 7 PAD 645.5
LOT 8 PAD 650.0
LOT 9 PAD 651.0
LOT 10 PAD 650.0
LOT 11 PAD 648.5
LOT 12 PAD 645.5
LOT 13 PAD 632.5
LOT 14 PAD 633.0
LOT 15 PAD 633.5
LOT 16 PAD 634.0
LOT 17 PAD 628.5
LOT 18 PAD 625.5
LOT 19 PAD 622.5
BIO-BASIN BOT 613.0

A A' B B' C C' D D' E E'

T-1 T-2

EXPLANATION

ALL LOCATIONS ARE APPROXIMATE

- 1-B3 — Boring (ENGEO, 2023)
- 1-C1 — Continuous Dry Cored Boring (ENGEO, 2023)
- B3 — Boring (BGC, 1999)
- 1-TP09 — Test Pit (ENGEO, 2023)
- TP-74 — Test Pit (BGC, 1999)
- T-2 — Exploratory Trench (BGC, 1999)

- Qaf — Artificial Fill
- Qls — Landslide Debris
- Qc — Colluvium
- Qal — Alluvium
- Tgvt — Green Valley and Tassajara Formations
- Tgvtt — Volcanic Tuff

- E E' — Cross Section Location
- Geologic Contact-dashed Where Gradational Or Approximately Located
- Direction Of Landslide Movement

BASE MAP SOURCE: CBG, 2024

0 100 FEET

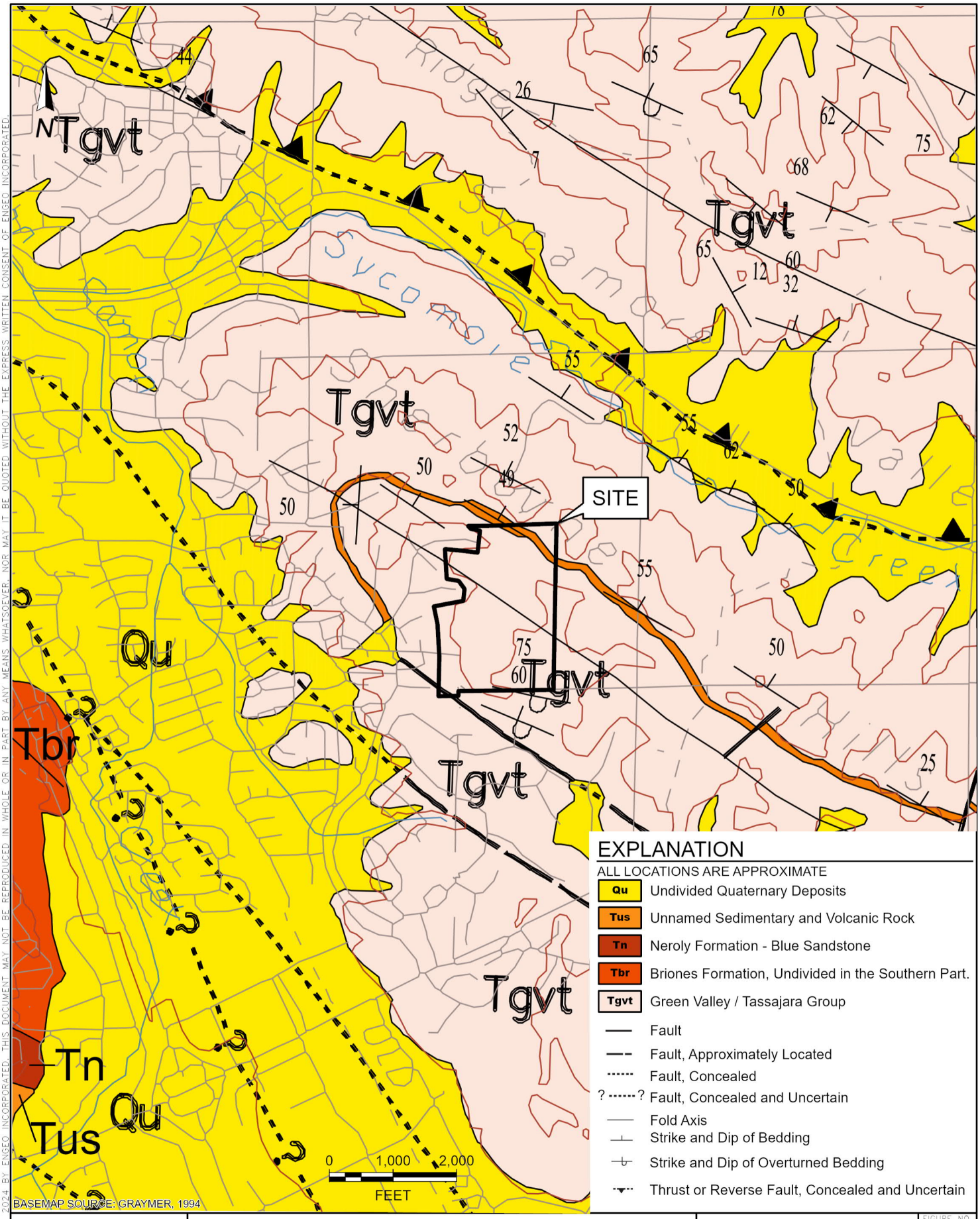
ENGEO Expect Excellence

SITE PLAN
ELWORTHY EAST
DANVILLE, CALIFORNIA

PROJECT NO.: 24441.000.001
SCALE: AS SHOWN
DRAWN BY: JBR CHECKED BY: MT
FIGURE NO. 2

ORIGINAL FIGURE PRINTED IN COLOR

FILE PATH: G:\Drafting\PROJECTS_24000 to 25999\24441\24441000001\Geotech\GEX\24441000001-GEX-2-SITEPLAN-0224.dwg SAVE DATE: 2/28/2024 11:06:27 AM SAVED BY: llee



COPYRIGHT © 2024 BY ENGEO INCORPORATED. THIS DOCUMENT MAY NOT BE REPRODUCED IN WHOLE OR IN PART BY ANY MEANS WHATSOEVER, NOR MAY IT BE QUOTED WITHOUT THE EXPRESS WRITTEN CONSENT OF ENGEO INCORPORATED.

ENGEO Expect Excellence

REGIONAL GEOLOGIC MAP

ELWORTHY EAST PROPERTY

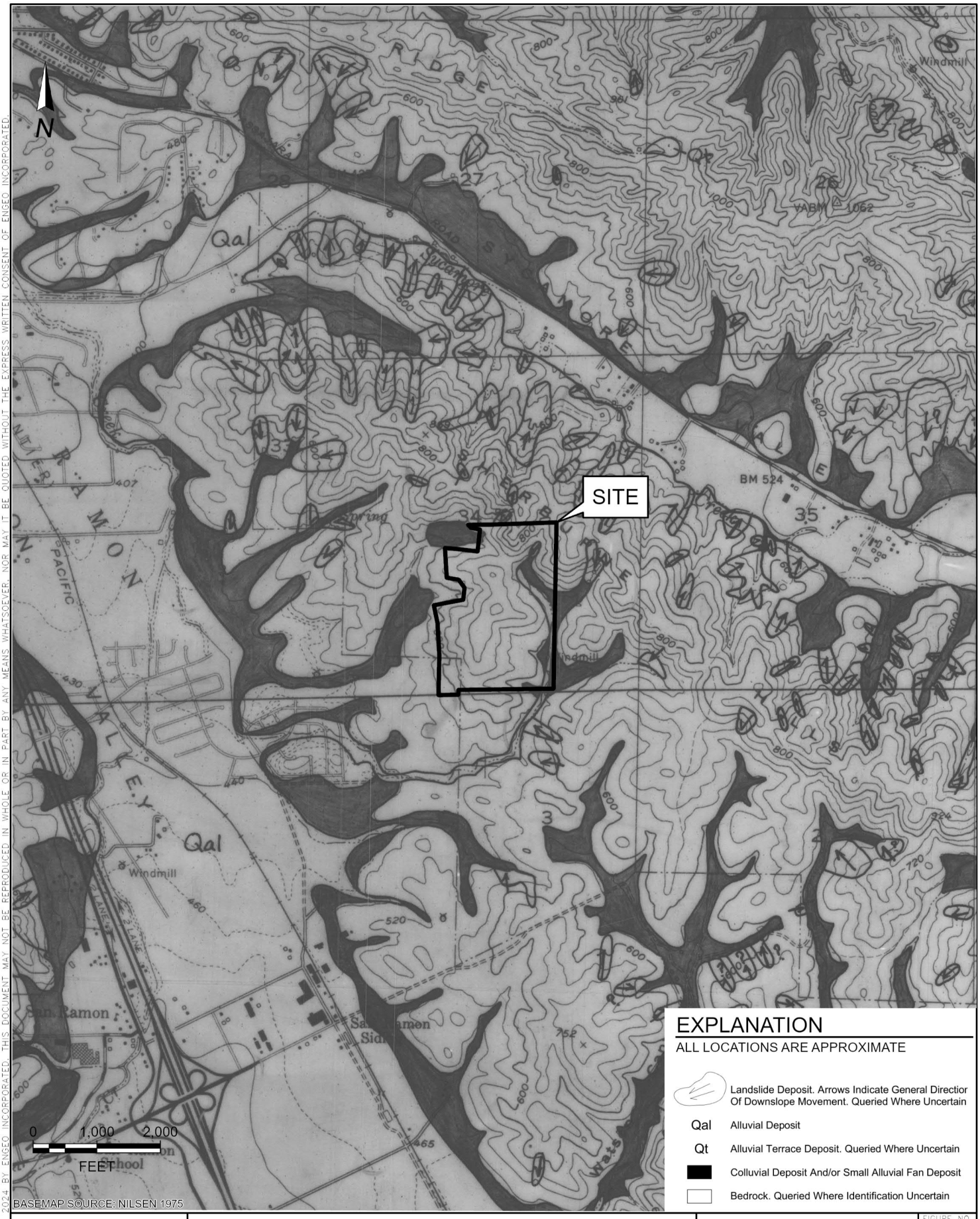
DANVILLE, CALIFORNIA

PROJECT NO. :	24441.000.001
SCALE:	AS SHOWN
DRAWN BY: CMG	CHECKED BY: MT

FIGURE NO. 3

PATH: G:\DRAFTING\PROJECTS_24000 TO 25999\24441\24441000001\GEOTECH\GEX\24441000001_ELWORTHY_EAST_PROPERTY_GEX_0124.APRX
LAYOUT: 03. GEOLOGIC 8.5 X 11 PORTRAIT USER: CGUERIN

ORIGINAL FIGURE PRINTED IN COLOR



EXPLANATION

ALL LOCATIONS ARE APPROXIMATE

- Landslide Deposit. Arrows Indicate General Direction Of Downslope Movement. Queried Where Uncertain
- Qal — Alluvial Deposit
- Qt — Alluvial Terrace Deposit. Queried Where Uncertain
- Colluvial Deposit And/or Small Alluvial Fan Deposit
- Bedrock. Queried Where Identification Uncertain

ENGEO
Expect Excellence

REGIONAL LANDSLIDE MAP

ELWORTHY EAST PROPERTY

DANVILLE, CALIFORNIA

PROJECT NO. :	24441.000.001
SCALE:	AS SHOWN
DRAWN BY: CMG	CHECKED BY: MT

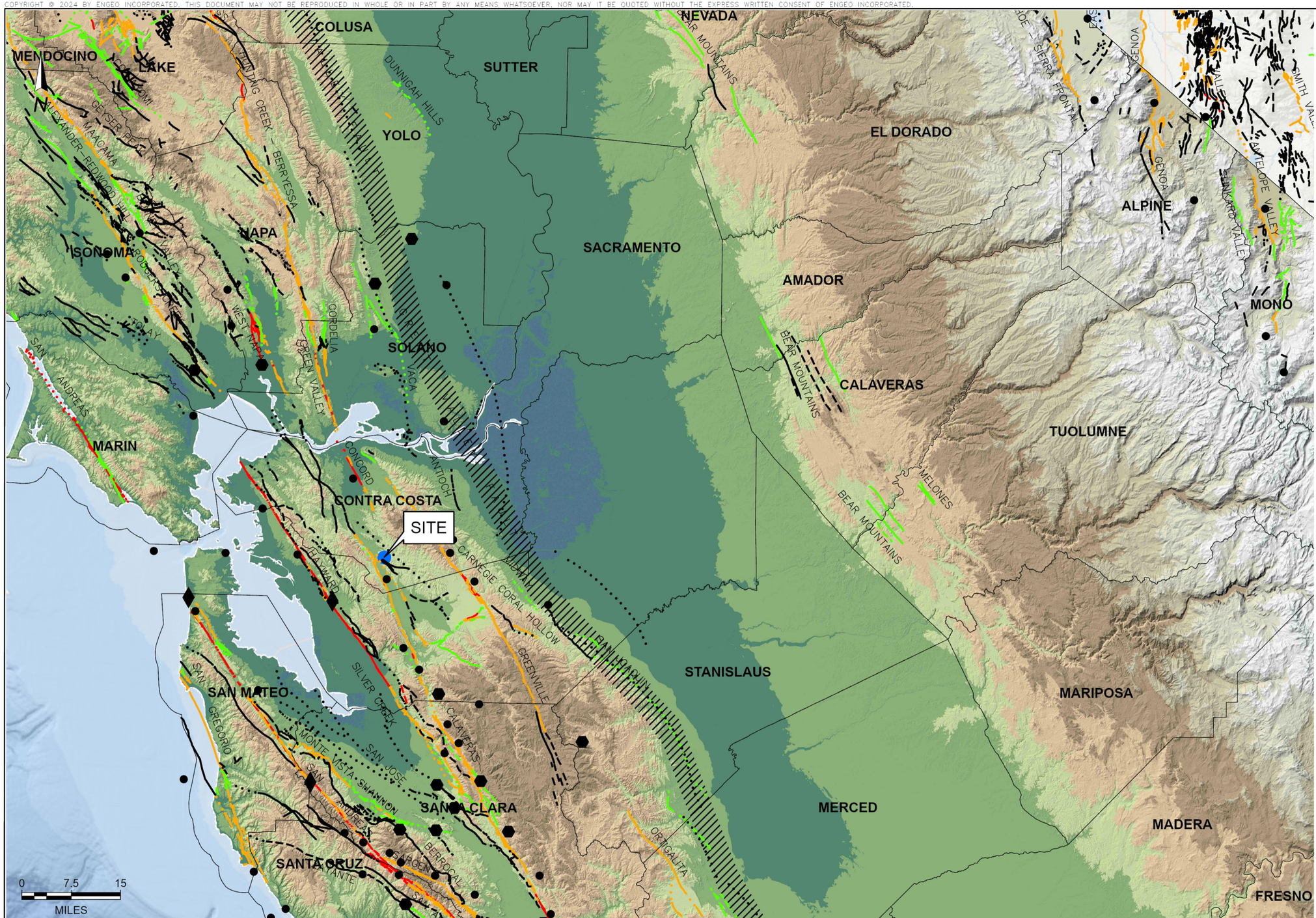
FIGURE NO. 4

COPYRIGHT © 2024 BY ENGEO INCORPORATED. THIS DOCUMENT MAY NOT BE REPRODUCED IN WHOLE OR IN PART BY ANY MEANS WHATSOEVER, NOR MAY IT BE QUOTED WITHOUT THE EXPRESS WRITTEN CONSENT OF ENGEO INCORPORATED.

PATH: G:\DRAFTING\PROJECTS_24000 TO 25999\24441\24441000001\GEOTECH\GEX\24441000001_ELWORTHY_EAST_PROPERTY_GEX_0124.APRX
LAYOUT: LANDSLIDE USER: CGUERIN

ORIGINAL FIGURE PRINTED IN COLOR

COPYRIGHT © 2024 BY ENGEO INCORPORATED. THIS DOCUMENT MAY NOT BE REPRODUCED IN WHOLE OR IN PART BY ANY MEANS WHATSOEVER, NOR MAY IT BE QUOTED WITHOUT THE EXPRESS WRITTEN CONSENT OF ENGEO INCORPORATED.



EXPLANATION

- Project Site

HISTORIC EARTHQUAKE EPICENTERS

- Magnitude 5-6
- Magnitude 6-7
- Magnitude 7+
- Historic Blind Thrust Fault Zone

QUATERNARY FAULTS 2020

Based on time of most recent surface deformation

- Historical (<150 Years), Well Constrained Location
- Historical (<150 Years), Moderately Constrained Location
- Historical (<150 Years), Inferred Location
- Latest Quaternary (<15,000 Years), Well Constrained Location
- Latest Quaternary (<15,000 Years), Moderately Constrained Location
- Latest Quaternary (<15,000 Years), Inferred Location
- Latest Quaternary (<15,000 Years), Inferred Location
- Late Quaternary (<130,000 Years), Moderately Constrained Location
- Late Quaternary (<130,000 Years), Inferred Location
- Middle And Late Quaternary (<750,000 Years), Well Constrained Location
- Middle And Late Quaternary (<750,000 Years), Moderately Constrained Location
- Middle And Late Quaternary (<750,000 Years), Inferred Location
- Undifferentiated Quaternary(<1.6 Million Years), Well Constrained Location
- Undifferentiated Quaternary(<1.6 Million Years), Moderately Constrained Location
- Undifferentiated Quaternary(<1.6 Million Years), Inferred Location
- Class B (Various Age), Well Constrained Location
- Class B (Various Age), Moderately Constrained Location
- Class B (Various Age), Inferred Location

BASE MAP SOURCE:
CSUMB, ESRI, GARMIN, NATURALVUE, ESRI, GEBCO, GARMIN, NATURALVUE
COLOR HILLSHADE IMAGE BASED ON THE NATIONAL ELEVATION DATA SET (NED) AT 30 METER RESOLUTION
U.S.G.S. QUATERNARY FAULT DATABASE, 2020
C.G.S. HISTORIC EARTHQUAKE DATABASE

ENGEO Expect Excellence

REGIONAL FAULTING AND SEISMICITY MAP

ELWORTHY EAST PROPERTY
DANVILLE, CALIFORNIA

PROJECT NO. :	24441.000.001
SCALE:	AS SHOWN
DRAWN BY: CMG	CHECKED BY: MT

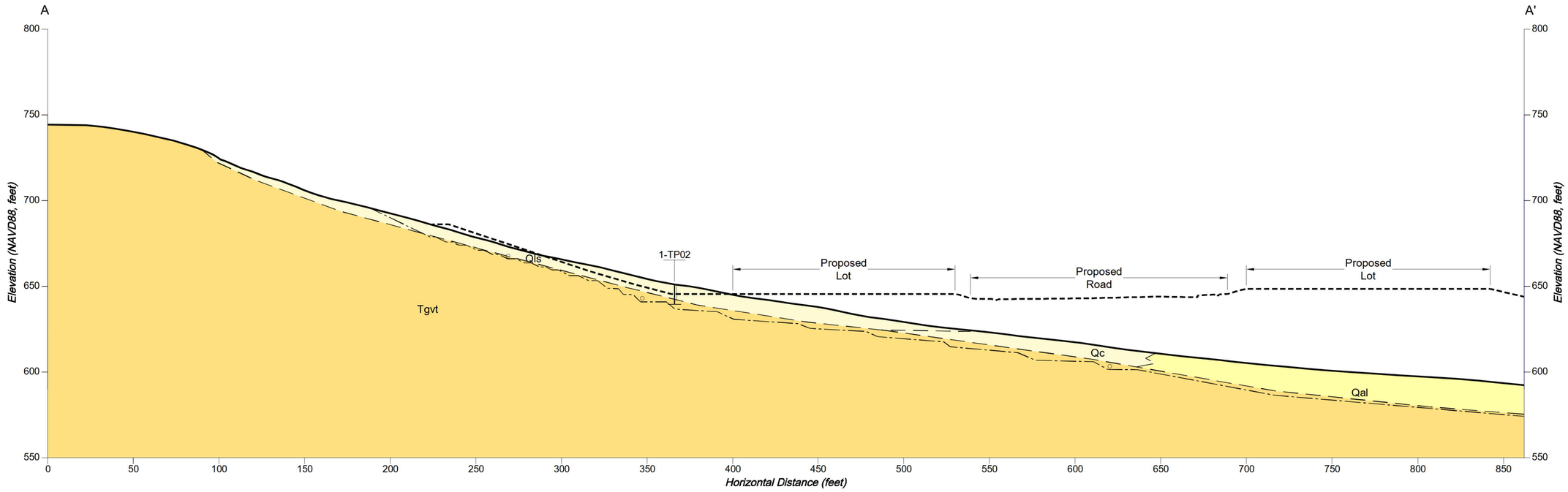
FIGURE NO. 5

PATH: G:\DRAFTING\PROJECTS_24000 TO 25999\24441\24441000001\GEOTECH\GEX\24441000001_ELWORTHY_EAST_PROPERTY_GEX_0124.APRX
LAYOUT: 04. FAULT&SEISMICITY 11 X 17 LANDSCAPE USER: CGUERIN

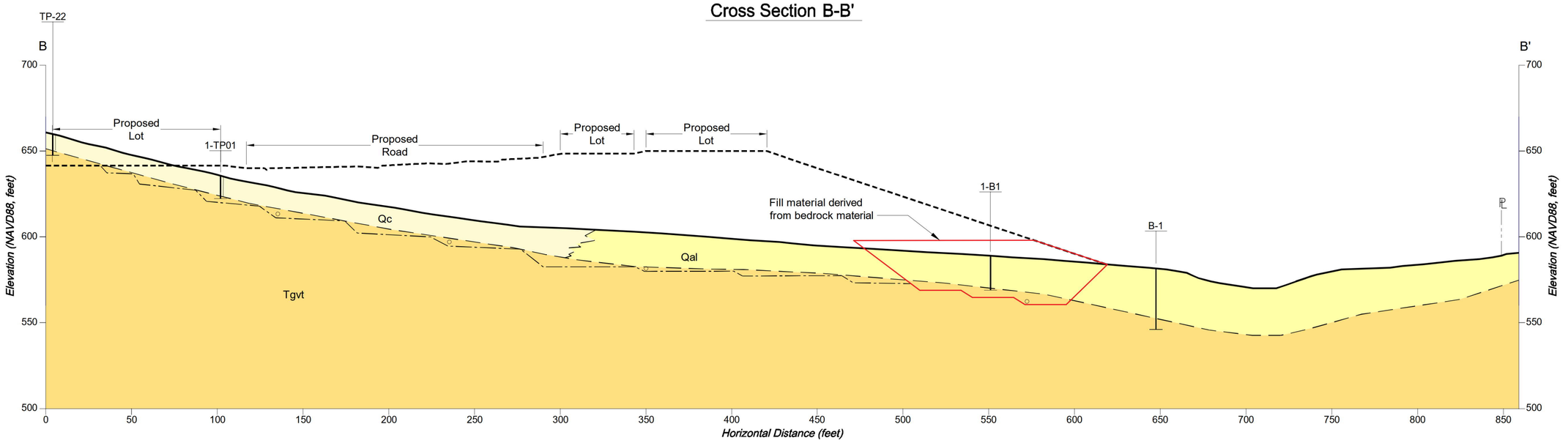
ORIGINAL FIGURE PRINTED IN COLOR

COPYRIGHT © 2024 BY ENGEO INCORPORATED. THIS DOCUMENT MAY NOT BE REPRODUCED IN WHOLE OR IN PART BY ANY MEANS WHATSOEVER, NOR MAY IT BE QUOTED OR EXCERPTED WITHOUT THE EXPRESS WRITTEN CONSENT OF ENGEO INCORPORATED.

Cross Section A-A'



Cross Section B-B'



Legend

Qaf	Artificial Fill		Existing Ground Surface	1-B1	Boring (ENGEO, 2023)
Qls	Landslide Debris		Proposed Ground Surface	1-C1	Continuous Cored Boring (ENGEO, 2023)
Qc	Colluvium		Recommended Corrective Grading	1-TP01	Test Pit (ENGEO, 2023)
Qal	Alluvium		Geologic Contact, Dashed Where Approximate Queried Where Inferred	TP-1	Test Pit (BGC, 1999)
Tgvt	Green Valley and Tassajara Formations				

ENGEO Expect Excellence

CROSS SECTIONS A-A' AND B-B'
ELWORTHY EAST
DANVILLE, CALIFORNIA

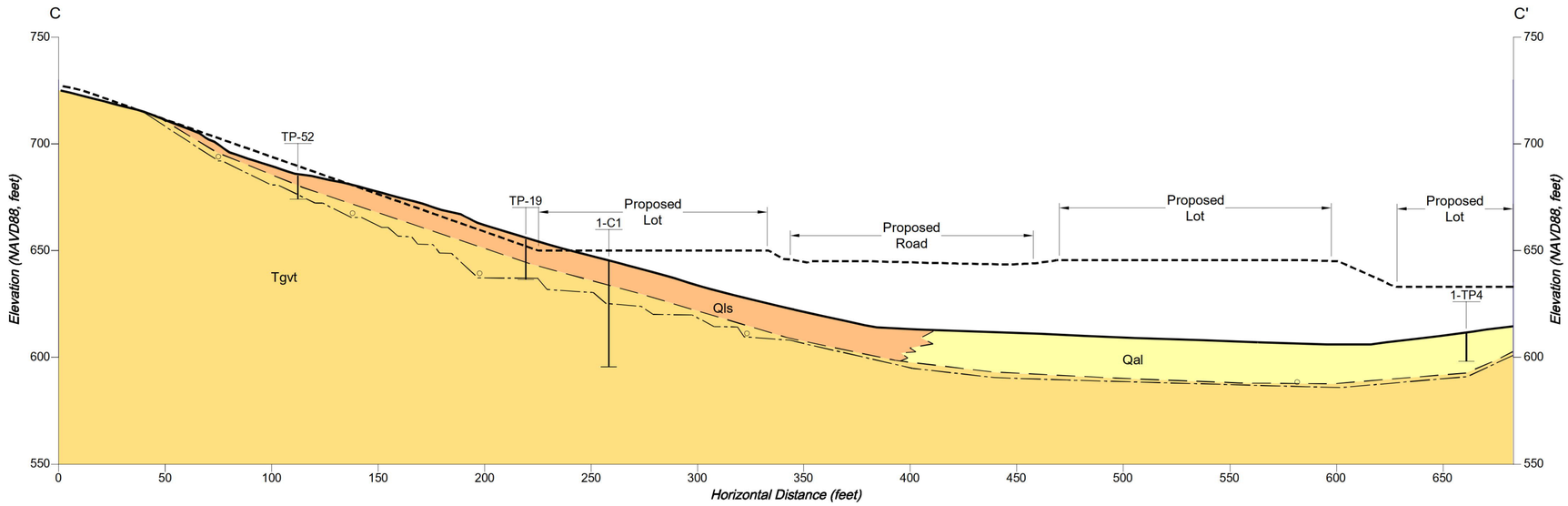
PROJECT NO.: 24441.000.001
SCALE: AS SHOWN
DRAWN BY: LL
CHECKED BY: MT

FIGURE NO. 6A

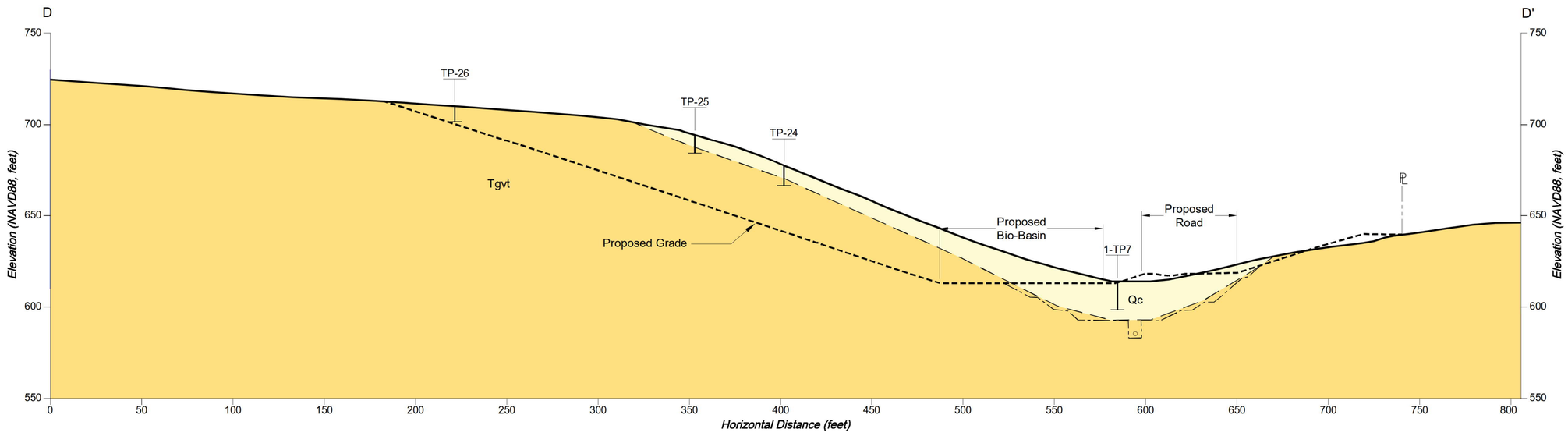
ORIGINAL FIGURE PRINTED IN COLOR

FILE PATH: \\engeo.com\files\Drafting\PROJECTS_24000 to 25999\24441\24441000001\Geotech\GEX\24441000001-GEX-6-XS-0124.dwg SAVE DATE: 2/28/2024 3:09:57 PM SAVED BY: llee

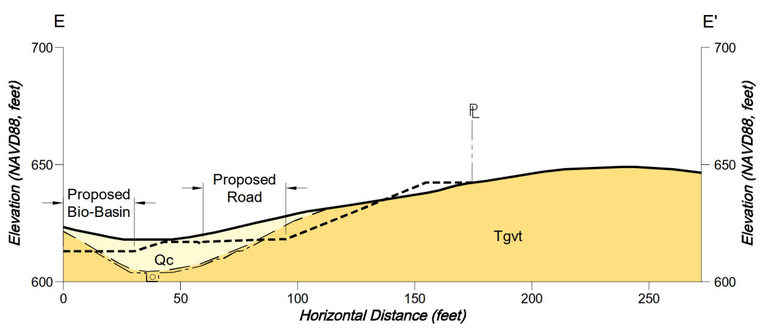
Cross Section C-C'



Cross Section D-D'



Cross Section E-E'



Legend

Qaf	Artificial Fill	Existing Ground Surface	1-B1 — Boring (ENGEO, 2023)
Qls	Landslide Debris	Proposed Ground Surface	1-C1 — Continuous Cored Boring (ENGEO, 2023)
Qc	Colluvium	Recommended Corrective Grading	1-TP01 — Test Pit (ENGEO, 2023)
Qal	Alluvium	Geologic Contact, Dashed Where Approximate Queried Where Inferred	TP-1 — Test Pit (BGC, 1999)
Tgvt	Green Valley and Tassajara Formations		

CROSS SECTIONS C-C' THRU E-E'
ELWORTHY EAST
DANVILLE, CALIFORNIA

PROJECT NO.: 24441.000.001
SCALE: AS SHOWN
DRAWN BY: LL
CHECKED BY: MT

FIGURE NO. 6B

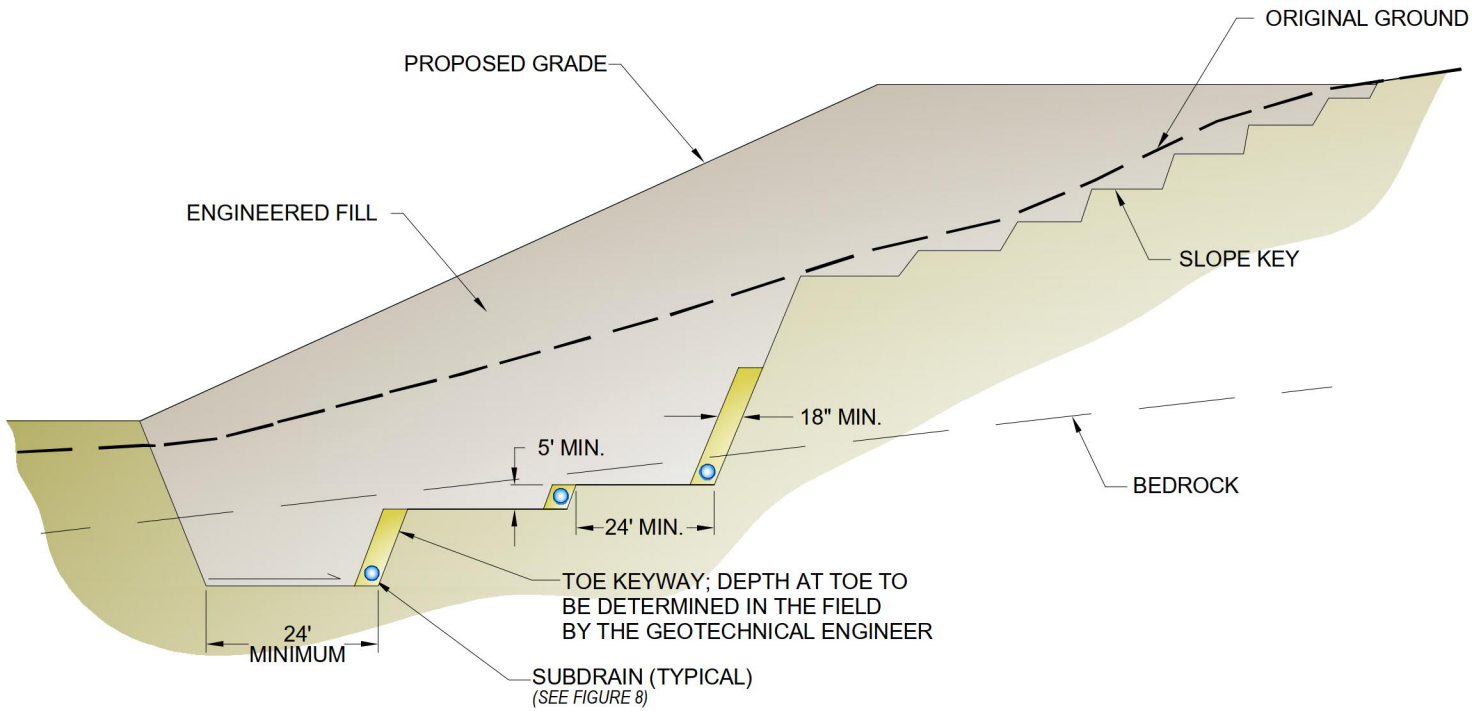
ORIGINAL FIGURE PRINTED IN COLOR

COPYRIGHT © 2024 BY ENGEO INCORPORATED. THIS DOCUMENT MAY NOT BE REPRODUCED IN WHOLE OR IN PART BY ANY MEANS WHATSOEVER, NOR MAY IT BE QUOTED OR EXCERPTED WITHOUT THE EXPRESS WRITTEN CONSENT OF ENGEO INCORPORATED.

FILE PATH: G:\Drafting\PROJECTS_24000 to 25999\24441\24441000001\Geotech\GEX\24441000001-GEX-6-XS-0124.dwg SAVE DATE: 2/28/2024 10:53:31 AM SAVED BY: llee

COPYRIGHT © 2024 BY ENGEO INCORPORATED. THIS DOCUMENT MAY NOT BE REPRODUCED IN WHOLE OR IN PART BY ANY MEANS WHATSOEVER, NOR MAY IT BE QUOTED OR EXCERPTED WITHOUT THE EXPRESS WRITTEN CONSENT OF ENGEO INCORPORATED.

FILE PATH: G:\Drafting\PROJECTS_24000 to 25999\24441\244410000001\Geotech\GEX\244410000001-GEX-7-10-KW-0124.dwg SAVE DATE: 1/15/2024 3:59:49 PM SAVED BY: llee



ENGEO Expect Excellence

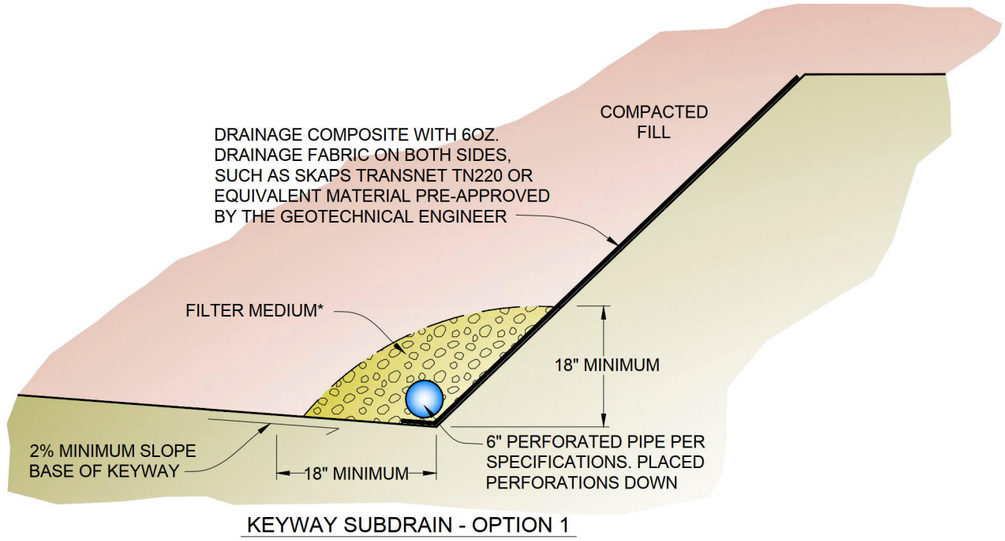
TYPICAL KEYWAY DETAIL

ELWORTHY EAST PROPERTY

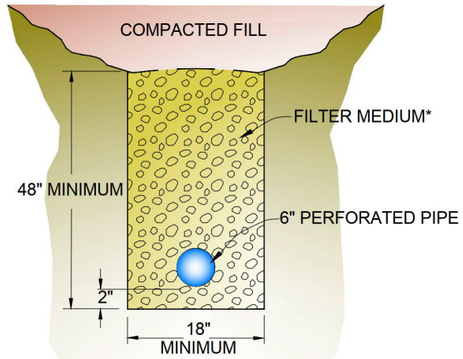
DANVILLE, CALIFORNIA

PROJECT NO.: 24441.000.001	FIGURE NO. 7
SCALE: AS SHOWN	
DRAWN BY: LL	CHECKED BY: MT

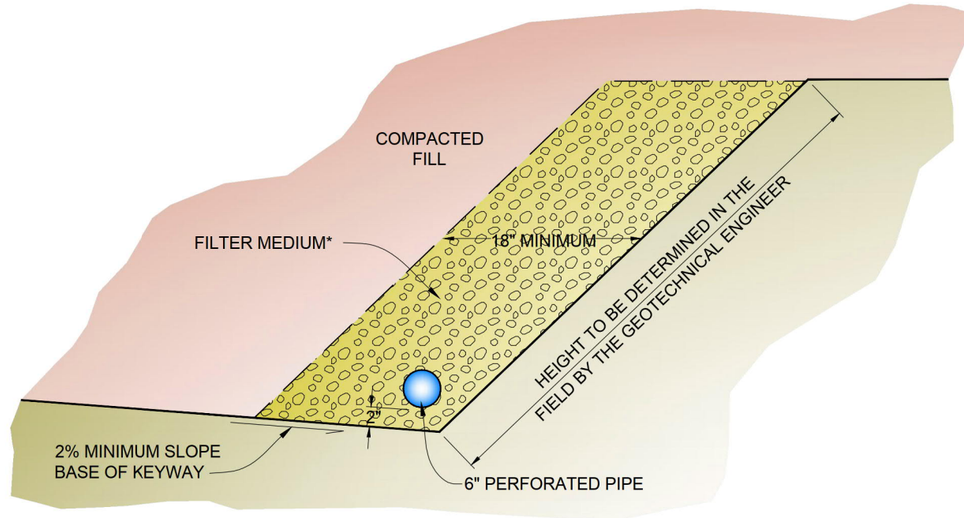
ORIGINAL FIGURE PRINTED IN COLOR



KEYWAY SUBDRAIN - OPTION 1



SWALE SUBDRAIN



KEYWAY SUBDRAIN - OPTION 2

*FILTER MEDIUM

ALTERNATIVE A

CLASS 2 PERMEABLE MATERIAL

MATERIAL SHALL CONSIST OF CLEAN, COARSE SAND AND GRAVEL OR CRUSHED STONE, CONFORMING TO THE FOLLOWING GRADING REQUIREMENTS:

SIEVE SIZE	% PASSING SIEVE
1"	100
3/4"	90-100
3/8"	40-100
#4	25-40
#8	18-33
#30	5-15
#50	0-7
#200	0-3

ALTERNATIVE B

CLEAN CRUSHED ROCK OR GRAVEL WRAPPED IN FILTER FABRIC

ALL FILTER FABRIC SHALL MEET THE FOLLOWING MINIMUM AVERAGE ROLL VALUES UNLESS OTHERWISE SPECIFIED BY ENGEO:

GRAB STRENGTH (ASTM D-4632)	180 lbs
MASS PER UNIT AREA (ASTM D-4751)	6 oz/yd^2
APPARENT OPENING SIZE (ASTM D-4751)	70-100 U.S. STD. SIEVE
FLOW RATE (ASTM D-4491)	80 gal/min/ft
PUNCTURE STRENGTH (ASTM D-4833)	80 lbs

NOTES:

1. ALL PIPE JOINTS SHALL BE GLUED
2. ALL PERFORATED PIPE PLACED PERFORATIONS DOWN
3. 1% FALL (MINIMUM) ON ALL TRENCHES AND DRAIN LINES

ENGEO Expect Excellence

TYPICAL SUBDRAIN DETAILS
ELWORTHY EAST PROPERTY
DANVILLE, CALIFORNIA

PROJECT NO.: 24441.000.001
SCALE: AS SHOWN
DRAWN BY: LL
CHECKED BY: MT

FIGURE NO. 8

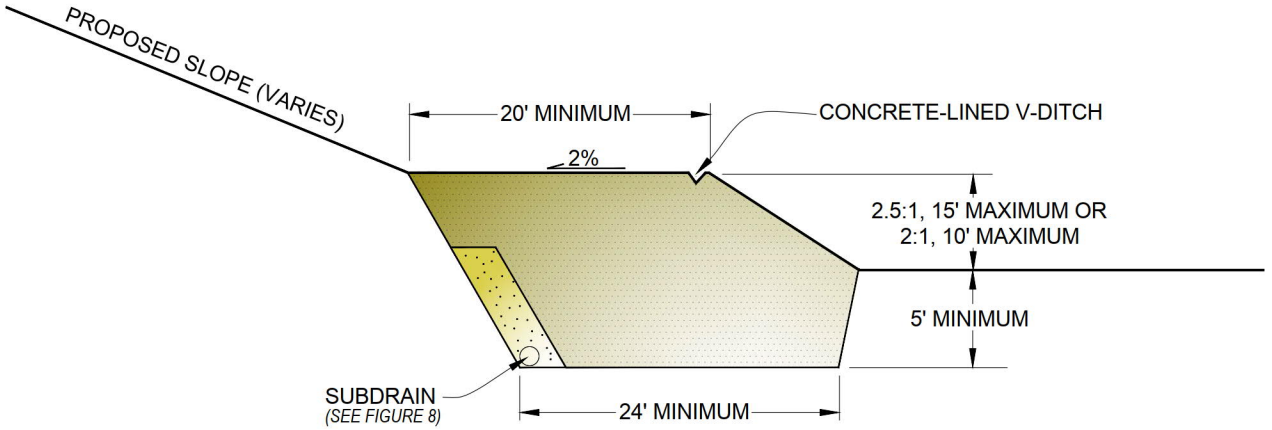
ORIGINAL FIGURE PRINTED IN COLOR

COPYRIGHT © 2024 BY ENGEO INCORPORATED. THIS DOCUMENT MAY NOT BE REPRODUCED IN WHOLE OR IN PART BY ANY MEANS WHATSOEVER, NOR MAY IT BE QUOTED OR EXCERPTED WITHOUT THE EXPRESS WRITTEN CONSENT OF ENGEO INCORPORATED.

FILE PATH: G:\Drafting\PROJECTS_24000 to 25999\24441\24441000001\Geotech\GEX\24441000001-GEX-7-10-KW-0124.dwg SAVE DATE: 1/15/2024 3:59:49 PM SAVED BY: llee

COPYRIGHT © 2021 BY ENGEO INCORPORATED. THIS DOCUMENT MAY NOT BE REPRODUCED IN WHOLE OR IN PART BY ANY MEANS WHATSOEVER, NOR MAY IT BE QUOTED OR EXCERPTED WITHOUT THE EXPRESS WRITTEN CONSENT OF ENGEO INCORPORATED.

FILE PATH: G:\Drafting\PROJECTS_24000 to 25999\24441\24441000001\Geotech\GEX\24441000001-GEX-9-DEBRIS-BENCH-0224.dwg SAVE DATE: 2/28/2024 10:13:42 AM SAVED BY: llee



ACTUAL SIZE AND DEPTH OF KEYWAY TO BE DETERMINED IN THE FIELD BY THE GEOTECHNICAL ENGINEER

ENGEO Expect Excellence

DEBRIS BENCH DETAIL

ELWORTHY EAST PROPERTY

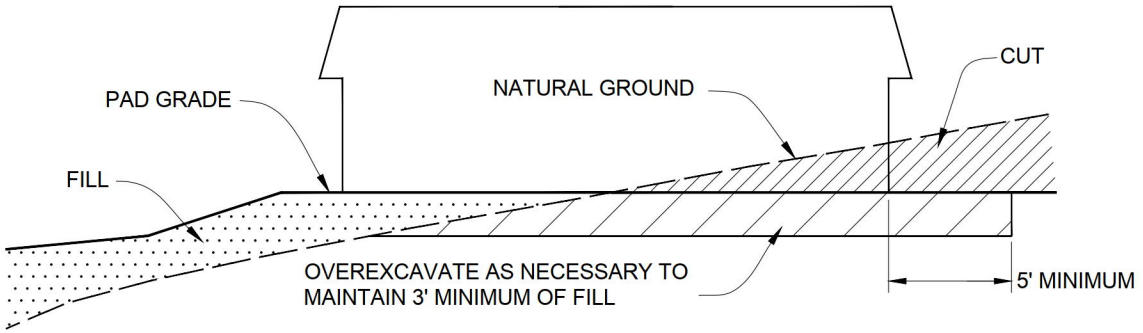
EAST RANCH, TRACT 8563

PROJECT NO.: 24441.000.001	FIGURE NO. 9
SCALE: AS SHOWN	
DRAWN BY: LL	CHECKED BY: MT

ORIGINAL FIGURE PRINTED IN COLOR

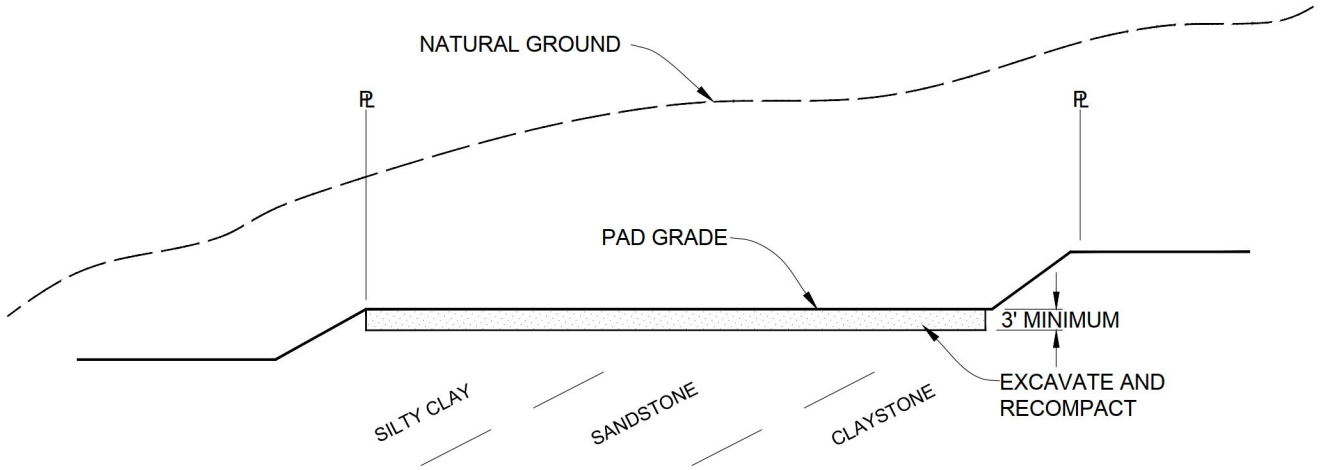
COPYRIGHT © 2024 BY ENGEO INCORPORATED. THIS DOCUMENT MAY NOT BE REPRODUCED IN WHOLE OR IN PART BY ANY MEANS WHATSOEVER, NOR MAY IT BE QUOTED OR EXCERPTED WITHOUT THE EXPRESS WRITTEN CONSENT OF ENGEO INCORPORATED.

FILE PATH: G:\Drafting\PROJECTS_24000 to 25999\24441\244410000001\Geotech\GEX\244410000001-GEX-7-10-KW-0124.dwg SAVE DATE: 2/22/2024 4:30:58 PM SAVED BY: llee



WHERE LOTS ARE PARTIALLY IN FILL, AND PARTIALLY IN CUT, THE CUT PORTION MUST BE OVEREXCAVATED AS SHOWN

CUT/FILL TRANSITION LOT



WHERE LOTS ARE COMPLETELY IN CUT, THE UPPER 2' SHOULD BE EXCAVATED AND RECOMPACTED AS SHOWN

CUT LOT

ENGEO Expect Excellence

TYPICAL CUT/FILL TRANSITION LOT DETAILS

ELWORTHY EAST PROPERTY

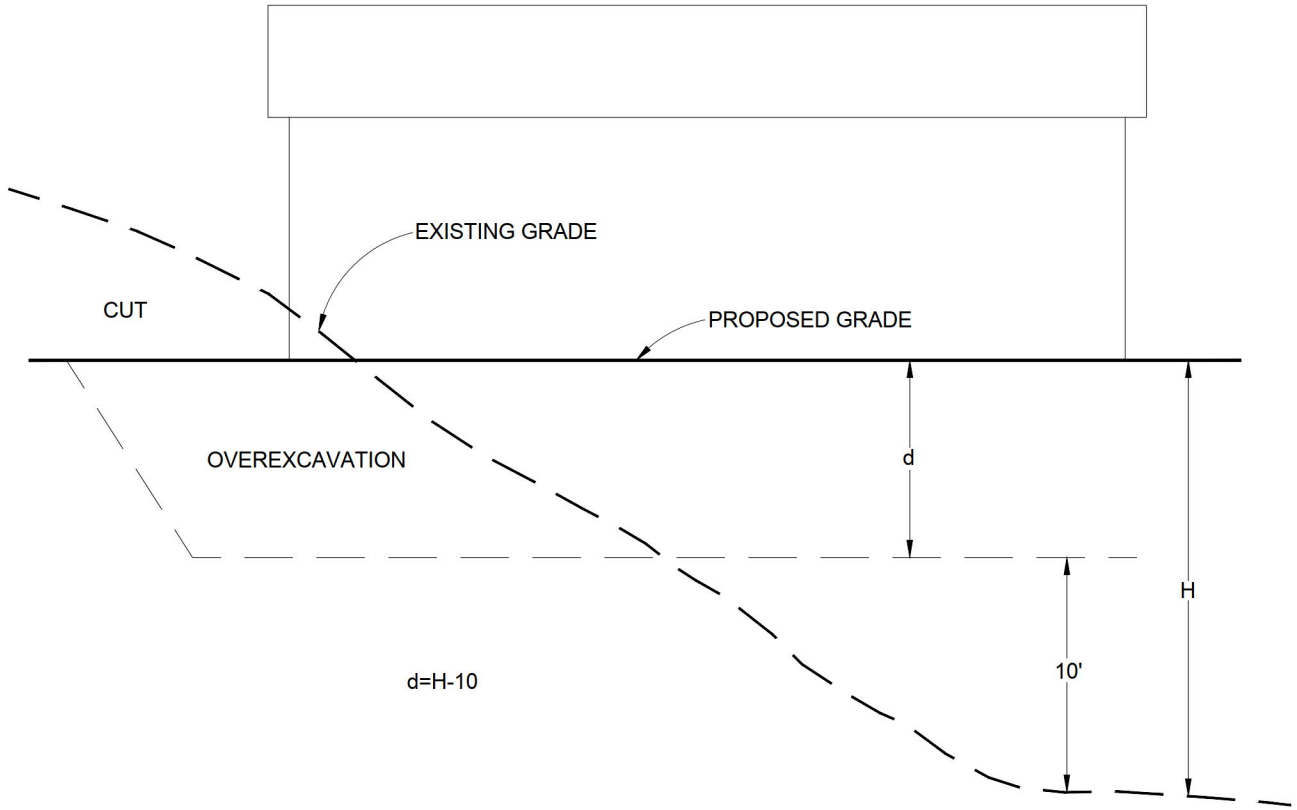
DANVILLE, CALIFORNIA

PROJECT NO.: 24441.000.001	FIGURE NO. 10
SCALE: AS SHOWN	
DRAWN BY: LL	CHECKED BY: MT

ORIGINAL FIGURE PRINTED IN COLOR

COPYRIGHT © 2024 BY ENGEO INCORPORATED. THIS DOCUMENT MAY NOT BE REPRODUCED IN WHOLE OR IN PART BY ANY MEANS WHATSOEVER, NOR MAY IT BE QUOTED OR EXCERPTED WITHOUT THE EXPRESS WRITTEN CONSENT OF ENGEO INCORPORATED.

FILE PATH: G:\Drafting\PROJECTS_24000 to 25999\24441\2444100000 1\Geotech\GEX\2444100000 1-GEX-7-10-KW-0124.dwg SAVE DATE: 1/15/2024 3:59:49 PM SAVED BY: llee



ENGEO
Expect Excellence

TYPICAL DIFFERENTIAL LOT FILL THICKENSS DETAILS
ELWORTHY EAST PROPERTY
DANVILLE, CALIFORNIA

PROJECT NO.: 24441.000.001
SCALE: AS SHOWN
DRAWN BY: LL
CHECKED BY: MT

FIGURE NO.
11

ORIGINAL FIGURE PRINTED IN COLOR



APPENDIX A

EXPLORATION LOGS ENGEO (2023)

KEY TO BORING LOGS

MAJOR TYPES			DESCRIPTION
COARSE-GRAINED SOILS MORE THAN HALF OF MAT'L LARGER THAN #200 SIEVE	GRAVELS MORE THAN HALF COARSE FRACTION IS LARGER THAN NO. 4 SIEVE SIZE	CLEAN GRAVELS WITH LESS THAN 5% FINES	GW - Well graded gravels or gravel-sand mixtures GP - Poorly graded gravels or gravel-sand mixtures
		GRAVELS WITH OVER 12 % FINES	GM - Silty gravels, gravel-sand and silt mixtures GC - Clayey gravels, gravel-sand and clay mixtures
	SANDS MORE THAN HALF COARSE FRACTION IS SMALLER THAN NO. 4 SIEVE SIZE	CLEAN SANDS WITH LESS THAN 5% FINES	SW - Well graded sands, or gravelly sand mixtures SP - Poorly graded sands or gravelly sand mixtures
		SANDS WITH OVER 12 % FINES	SM - Silty sand, sand-silt mixtures SC - Clayey sand, sand-clay mixtures
FINE-GRAINED SOILS MORE THAN HALF OF MAT'L SMALLER THAN #200 SIEVE	SILTS AND CLAYS LIQUID LIMIT 50 % OR LESS		ML - Inorganic silt with low to medium plasticity CL - Inorganic clay with low to medium plasticity OL - Low plasticity organic silts and clays
	SILTS AND CLAYS LIQUID LIMIT GREATER THAN 50 %		MH - Elastic silt with high plasticity CH - Fat clay with high plasticity OH - Highly plastic organic silts and clays
	HIGHLY ORGANIC SOILS		PT - Peat and other highly organic soils

For fine-grained soils with 15 to 29% retained on the #200 sieve, the words "with sand" or "with gravel" (whichever is predominant) are added to the group name.

For fine-grained soil with >30% retained on the #200 sieve, the words "sandy" or "gravelly" (whichever is predominant) are added to the group name.

GRAIN SIZES

U.S. STANDARD SERIES SIEVE SIZE					CLEAR SQUARE SIEVE OPENINGS			
200	40	10	4	3/4 "	3"	12"		
SILTS AND CLAYS	SAND			GRAVEL			COBBLES	BOULDERS
	FINE	MEDIUM	COARSE	FINE	COARSE			

RELATIVE DENSITY

SANDS AND GRAVELS	BLOWS/FOOT (S.P.T.)
VERY LOOSE	0-4
LOOSE	4-10
MEDIUM DENSE	10-30
DENSE	30-50
VERY DENSE	OVER 50

CONSISTENCY

SILTS AND CLAYS	STRENGTH*
VERY SOFT	0-1/4
SOFT	1/4-1/2
MEDIUM STIFF	1/2-1
STIFF	1-2
VERY STIFF	2-4
HARD	OVER 4

SAMPLER SYMBOLS

- Modified California (3" O.D.) sampler
- California (2.5" O.D.) sampler
- S.P.T. - Split spoon sampler
- Shelby Tube
- Dames and Moore Piston
- Continuous Core
- Bag Samples
- Grab Samples
- NR No Recovery

MOISTURE CONDITION

DRY	Dusty, dry to touch
MOIST	Damp but no visible water
WET	Visible freewater

LINE TYPES

- ———— Solid - Layer Break
- – – – – – Dashed - Gradational or approximate layer break

GROUNDWATER SYMBOLS

- Groundwater level during drilling
- Stabilized groundwater level

(S.P.T.) Number of blows of 140 lb. hammer falling 30" to drive a 2-inch O.D. (1-3/8 inch I.D.) sampler

* Unconfined compressive strength in tons/sq. ft., asterisk on log means determined by pocket penetrometer

ENGEO
Expect Excellence

LOG OF BORING 1-B1

ENGEO Expect Excellence

LATITUDE: 37.796803 LONGITUDE: -121.956514

Geotechnical Exploration
Elworthy East Properties
Danville, CA
24441.000.001

DATE DRILLED: 12/11/2023
HOLE DEPTH: Approx. 26½ ft.
HOLE DIAMETER: 6.0 in.
SURF ELEV (WGS84): Approx. 590 ft.

LOGGED / REVIEWED BY: N. Inserra / MT
DRILLING CONTRACTOR: Britton Exploration
DRILLING METHOD: Hollow Stem Auger
HAMMER TYPE: 140 lb. Auto Trip

Depth in Feet	Elevation in Feet	Sample Type	DESCRIPTION	Log Symbol	Water Level	Blow Count/Foot	Atterberg Limits: Liquid Limit	Atterberg Limits: Plastic Limit	Atterberg Limits: Plasticity Index	Fines Content (% passing #200 sieve)	Moisture Content (% dry weight)	Dry Unit Weight (pcf)	Shear Strength (psf) *field approximation	Unconfined Strength (tsf) *field approximation	Strength Test Type
			FAT CLAY (CH), black, medium stiff, moist, high plasticity, contains calcium carbonate nodules [Colluvium]												
			Stiff, wet			11	64	17	47		30.1	92		1.24	UC
5	585		Brown to reddish brown			13					24.2		500*	0.5*	PP+TV
													500*	1.25*	PP+TV
			LEAN CLAY (CL), light gray to dark gray, medium stiff, wet, medium plasticity, contains calcium carbonate nodules			14					29.2	94.6			
			FAT CLAY (CH), light gray to dark gray, medium stiff to stiff, wet, high plasticity, contains calcium carbonate nodules												
10	580				▽	12					29.4	94.1	200*	1*	PP+TV
15	575		Stiff			15	57	14	43		28.9	95.4		1.9	UC
			SILTSTONE, olive gray, extremely weak (R0) to very weak (R1), moderately weathered (WH), massive [Bedrock]												
20	570														

LOG - GEOTECHNICAL_SU+QU W/ ELEV 24441000001_BORING AND CORING LOGS.GPJ ENGEO INC.GDT 2/28/24

LOG OF BORING 1-B1

Expect Excellence

LATITUDE: 37.796803 LONGITUDE: -121.956514

Geotechnical Exploration
Elworthy East Properties
Danville, CA
24441.000.001

DATE DRILLED: 12/11/2023
HOLE DEPTH: Approx. 26½ ft.
HOLE DIAMETER: 6.0 in.
SURF ELEV (WGS84): Approx. 590 ft.

LOGGED / REVIEWED BY: N. Inserra / MT
DRILLING CONTRACTOR: Britton Exploration
DRILLING METHOD: Hollow Stem Auger
HAMMER TYPE: 140 lb. Auto Trip

Depth in Feet	Elevation in Feet	Sample Type	DESCRIPTION	Log Symbol	Water Level	Blow Count/Foot	Atterberg Limits: Liquid Limit	Atterberg Limits: Plastic Limit	Atterberg Limits: Plasticity Index	Fines Content (% passing #200 sieve)	Moisture Content (% dry weight)	Dry Unit Weight (pcf)	Shear Strength (psf) *field approximation	Unconfined Strength (tsf) *field approximation	Strength Test Type
			SILTSTONE, olive gray, extremely weak (R0) to very weak (R1), moderately weathered (WH), massive [Bedrock]			18									
25	565					62									
			End of drilling at approximately 26.5 feet below ground surface. Groundwater measured at approximately 11 feet below ground surface during time of drilling.												

LOG - GEOTECHNICAL_SU+QU W/ ELEV 24441000001_BORING AND CORING LOGS.GPJ ENGEO INC.GDT 2/28/24

ENGEO
Expect Excellence

LOG OF BORING 1-B2

LATITUDE: 37.795804 LONGITUDE: -121.956505

Geotechnical Exploration
Elworthy East Properties
Danville, CA
24441.000.001

DATE DRILLED: 12/12/2023
HOLE DEPTH: Approx. 8½ ft.
HOLE DIAMETER: 6.0 in.
SURF ELEV (WGS84): Approx. 581 ft.

LOGGED / REVIEWED BY: N. Inserra / MT
DRILLING CONTRACTOR: Britton Exploration
DRILLING METHOD: Hollow Stem Auger
HAMMER TYPE: 140 lb. Auto Trip

Depth in Feet	Elevation in Feet	Sample Type	DESCRIPTION	Log Symbol	Water Level	Blow Count/Foot	Atterberg Limits: Liquid Limit	Atterberg Limits: Plastic Limit	Atterberg Limits: Plasticity Index	Fines Content (% passing #200 sieve)	Moisture Content (% dry weight)	Dry Unit Weight (pcf)	Shear Strength (psf) *field approximation	Unconfined Strength (tsf) *field approximation	Strength Test Type
	580		FAT CLAY (CH), dark gray, hard, dry, high plasticity [Fill]			50/6"	64	17	47	86	20	87.6		3.0*	PP
			LEAN CLAY (CL), light yellowish brown, hard, moist, low plasticity, contains calcium carbonate nodules, trace fine-grained sand [Colluvium]												
5			SILTSTONE, light yellowish brown, extremely weak (R0) to very weak (R1), massive, slightly weathered (WS), contains calcium carbonate [Bedrock]			50/6"									
	575					50/6"									
			End of drilling at approximately 9 feet below ground surface. Groundwater not encountered.												

LOG OF BORING 1-B3

ENGEO Expect Excellence

LATITUDE: 37.795125 LONGITUDE: -121.95677

Geotechnical Exploration
Elworthy East Properties
Danville, CA
24441.000.001

DATE DRILLED: 12/12/2023
HOLE DEPTH: Approx. 8½ ft.
HOLE DIAMETER: 6.0 in.
SURF ELEV (WGS84): Approx. 565 ft.

LOGGED / REVIEWED BY: N. Inserra / MT
DRILLING CONTRACTOR: Britton Exploration
DRILLING METHOD: Hollow Stem Auger
HAMMER TYPE: 140 lb. Auto Trip

Depth in Feet	Elevation in Feet	Sample Type	DESCRIPTION	Log Symbol	Water Level	Blow Count/Foot	Atterberg Limits: Liquid Limit	Atterberg Limits: Plastic Limit	Atterberg Limits: Plasticity Index	Fines Content (% passing #200 sieve)	Moisture Content (% dry weight)	Dry Unit Weight (pcf)	Shear Strength (psf) *field approximation	Unconfined Strength (tsf) *field approximation	Strength Test Type
			FAT CLAY (CH), very dark brown, medium stiff to stiff, moist, high plasticity, contains calcium carbonate nodules [Colluvium]												
			Very stiff			19	63	16	47		23.4	98.5		3.4	UC
5	560		SANDSTONE, light yellowish brown, very weak (R1), massive, slightly weathered (WS), fine- to medium-grained [Bedrock]			50/6"									
			Olive gray			50/6"									
			End of drilling at approximately 8 1/2 feet below ground surface. No groundwater encountered.												

LOG - GEOTECHNICAL_SU+QU W/ ELEV 24441000001_BORING AND CORING LOGS.GPJ ENGEO INC.GDT 2/28/24

CORELOG 1-C1

ENGEO Expect Excellence

LATITUDE: 37.797347 LONGITUDE: -121.95799

Geotechnical Exploration
Elworthy East Properties
Danville, CA
24441.000.001

DATE DRILLED: 12/11/2023
HOLE DEPTH: Approx. 49 ft.
HOLE DIAMETER: 6.0 in.
SURF ELEV (WGS84): Approx. 655 ft.

LOGGED / REVIEWED BY: N. Inserra / MT
CORING CONTRACTOR: Britton Exploration
CORING METHOD, DRILL BIT SIZE/TYPE: Hollow Stem Auger
NO. OF CORE BOXES: 5

Run Number	Drill Rate (s/ft)	Run Length (ft) / Recovery (ft)	RQD	Relative Hardness / Weathering Grade	Depth in Feet	Elevation in Feet	Graphic Log	DESCRIPTION	Discontinuties Remarks	Sample Type	In-Situ Testing	Notes
1		2/4 (50%)				199		FAT CLAY (CH), black, medium stiff, moist, medium plasticity, contains calcium carbonate nodules [Colluvium]	-			
2		2.5/5 (50%)			5	198		Gray	-			
3		4.7/5 (94%)	0			197		SANDY SILT (ML), light gray, medium stiff, moist, low plasticity, sand is <15% and is fine-grained [Residual Soil]	-			
4		4.5/5 (90%) /0 (%)	0		10	196		SILTSTONE, olive gray, extremely weak (R0), massive, slightly weathered (WS), contains calcium carbonate [Bedrock]	- Planar Joint 64° @ 64deg.			
					15	195						
						194						
					20							

Relative Hardness: R0 R1 R2 R3 R4 R5 R6
Weathering Grade: RS WC WH WM WS F

LOG-CORELOG_MASTER 24441000001_BORING AND CORING LOGS.GPJ ENGEO INC.GDT 2/28/24

CORELOG 1-C1

ENGEO Expect Excellence

LATITUDE: 37.797347 LONGITUDE: -121.95799

Geotechnical Exploration
Elworthy East Properties
Danville, CA
24441.000.001

DATE DRILLED: 12/11/2023 LOGGED / REVIEWED BY: N. Inserra / MT
HOLE DEPTH: Approx. 49 ft. CORING CONTRACTOR: Britton Exploration
HOLE DIAMETER: 6.0 in. CORING METHOD, DRILL BIT SIZE/TYPE: Hollow Stem Auger,
SURF ELEV (WGS84): Approx. 655 ft. NO. OF CORE BOXES: 5

Run Number	Drill Rate (s/ft)	Run Length (ft) / Recovery (ft)	RQD	Relative Hardness R0 R1 R2 R3 R4 R5 R6 / Weathering Grade RS WC WH WM WS F	Depth in Feet	Elevation in Feet	Graphic Log	DESCRIPTION	Discontinuties Remarks	Sample Type	In-Situ Testing	Notes
5		/0 (%) 4.9/5 (98%) /0 (%)			25	193 192		SILTSTONE, olive gray, extremely weak (R0), massive, slightly weathered (WS), contains calcium carbonate [Bedrock]Continued from previous	- Planar Joint 60° @ 60deg. - - Planar Joint 58° @ 58deg.			
6		/0 (%) 5/5 (100%) /0 (%)							- Planar Joint 60° @ 60deg. - - Planar Joint 62° @ 62deg.			
7		4.9/5 (98%) /0 (%) /0 (%) /0 (%)			30	191 190		Olive gray with dark brown	- - Planar Joint 63° @ 63deg. - Planar Joint 54° @ 54deg. - Planar Joint 50° @ 50deg.			
8		4.9/5 (98%) /0 (%) /0 (%)			35	189 188			- - Planar Joint 48° @ 48deg. - Planar Joint 63° @ 63deg. - Planar Joint 78° @ 78deg.			
		/0 (%)			40							

LOG-CORELOG_MASTER 24441000001_BORING AND CORING LOGS.GPJ ENGEO INC.GDT 2/28/24

CORELOG 1-C1

ENGEO Expect Excellence

LATITUDE: 37.797347 LONGITUDE: -121.95799

Geotechnical Exploration
Elworthy East Properties
Danville, CA
24441.000.001

DATE DRILLED: 12/11/2023
HOLE DEPTH: Approx. 49 ft.
HOLE DIAMETER: 6.0 in.
SURF ELEV (WGS84): Approx. 655 ft.

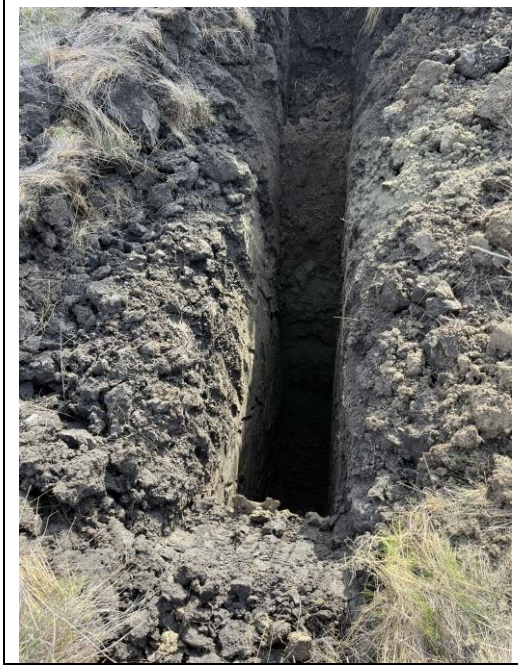
LOGGED / REVIEWED BY: N. Inserra / MT
CORING CONTRACTOR: Britton Exploration
CORING METHOD, DRILL BIT SIZE/TYPE: Hollow Stem Auger,
NO. OF CORE BOXES: 5

Run Number	Drill Rate (s/ft)	Run Length (ft) / Recovery (ft)	RQD	Relative Hardness R0 R1 R2 R3 R4 R5 R6 / Weathering Grade RS WC WH WM WS F	Depth in Feet	Elevation in Feet	Graphic Log	DESCRIPTION	Discontinuties Remarks	Sample Type	In-Situ Testing	Notes
9		5/5 (100%)				187		SILTSTONE, olive gray, extremely weak (R0), massive, slightly weathered (WS), contains calcium carbonate [Bedrock]Continued from previous	-			
								SANDSTONE, dark gray to dark brown, extremely weak (R0), massive, slightly weathered (WS), sand is medium- to coarse-grained				
					45	186						
10		4.7/5 (94%)						Contains fine gravel within majority coarse sand	-			
						185		Medium grained sand				
								End of drilling at approximately 49 feet below ground surface. Groundwater not encountered.				

TEST PIT LOG 1-TP1

Elworthy East Project Danville, California 24441.000.001	Logged By: N. Inserra Logged Date: 12/15/2023 Equipment: Rubber Tire Backhoe	Lat: 37.79665 Long: -121.958153

Depth (Feet)	Description
0 – 2	FAT CLAY (CH), dark olive gray to black, dry, hard, contains calcium carbonate [Colluvium]
2 – 4	Moist, stiff to very stiff Pocket penetrometer (PP): 2.0 tsf Sampled at 3’
4 – 8	LEAN CLAY (CL), dark olive gray, moist, low plasticity, contains calcium carbonate nodules Sampled at 6’
8 – 12	SANDY SILT (ML), residual soils, light olive gray, moist, low to non-plastic, fine sand (~25%), contains calcium carbonate nodules
12 – 13	SILTSTONE, olive gray, extremely to very weak, massive, slightly weathered Test pit terminated at approximately 13 feet below ground surface. Groundwater not encountered.



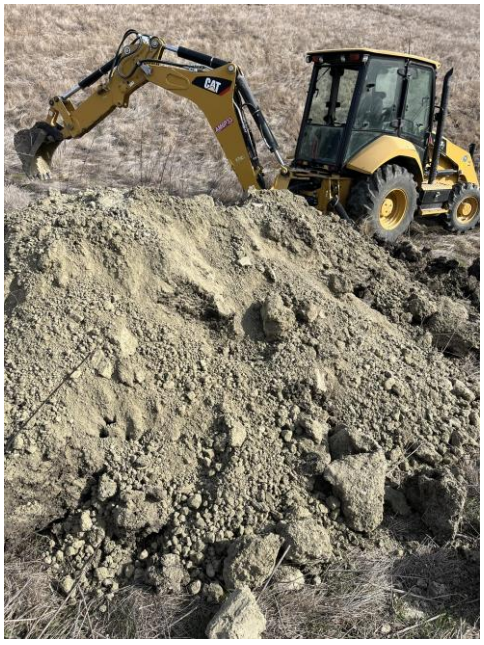


TEST PIT LOG 1-TP2

Elworthy East Project Danville, California 24441.000.001	Logged By: N. Inserra Logged Date: 12/15/2023 Equipment: Rubber Tire Backhoe	Lat: 37.797297 Long: -121.958422

Depth (Feet)	Description
0 – 2	FAT CLAY (CH), dark olive gray to black, dry, hard, contains calcium carbonate [Colluvium/Landslide debris]
2 – 5.5	Moist, very stiff PP: 2.5 tsf
5.5 – 9.5	SILT (ML), light olive gray, moist, low to non-plastic, trace fine sand, fine gravel sized calcium carbonate nodules (Landslide debris) Sampled at 6’
12 – 13	SILTSTONE, olive gray, very weak to weak, massive, slightly weathered Test pit terminated at approximately 13 feet below ground surface. Groundwater not encountered.





TEST PIT LOG 1-TP3

Elworthy East Project Danville, California 24441.000.001	Logged By: N. Inserra Logged Date: 12/15/2023 Equipment: Rubber Tire Backhoe	Lat: 37.797360 Long: -121.957526

Depth (Feet)	Description
0 – 2	FAT CLAY (CH), dark olive gray to black, dry, hard, contains calcium carbonate [Colluvium]
2 – 7	Moist, hard PP: >4.0 tsf
7 – 13.5	LEAN CLAY w GRAVEL (CL), light gray to olive gray, stiff, contains coarse angular bedrock clasts (siltstone) and large calcium carbonate nodules (Landslide debris)
13.5 – 15	SANDSTONE, light gray to olive gray, very weak, massive, slightly weathered, medium-grained sand Test pit terminated at approximately 15 feet below ground surface. Groundwater not encountered.





TEST PIT LOG 1-TP4

Elworthy East Project Danville, California 24441.000.001	Logged By: N. Inserra Logged Date: 12/15/2023 Equipment: Rubber Tire Backhoe	Lat: 37.796381 Long: -121.957637

Depth (Feet)	Description
0 – 2	FAT CLAY (CH), dark olive gray to black, dry, hard, contains calcium carbonate [Colluvium]
2 – 12	Olive gray to dark greenish brown, moist, very stiff PP: 2.5 tsf
12 – 15	LEAN CLAY (CL), olive gray to dark greenish brown, moist, medium stiff to stiff, low plasticity, contains calcium carbonate nodules [Colluvium]
	Test pit terminated at approximately 15 feet below ground surface. Groundwater not encountered.





TEST PIT LOG 1-TP5

Elworthy East Project Danville, California 24441.000.001	Logged By: N. Inserra Logged Date: 12/15/2023 Equipment: Rubber Tire Backhoe	Lat: 37.795506 Long: -121.957406

Depth (Feet)	Description
0 – 2	FAT CLAY (CH), dark olive gray to black, dry, hard, contains calcium carbonate [Colluvium]
2 – 5	Moist, hard PP: >4.0 tsf
5 – 7.5	LEAN CLAY w SAND (CL), light gray to light olive gray, moist, medium stiff, low plasticity, medium-grained sand, contains calcium carbonate nodules
7.5 – 8.5	SANDSTONE, light olive gray, extremely to very weak, massive, slightly weathered, fine-grained sand [Native]
	Test pit terminated at approximately 8.5 feet below ground surface. Groundwater not encountered.





TEST PIT LOG 1-TP6

Elworthy East Project Danville, California 24441.000.001	Logged By: N. Inserra Logged Date: 12/15/2023 Equipment: Rubber Tire Backhoe	Lat: 37.795184 Long: -121.957885

Depth (Feet)	Description
0 – 2	FAT CLAY (CH), dark olive gray to black, dry, hard, contains calcium carbonate [Colluvium]
0 – 5	Moist, very stiff PP: 3.5 tsf
5 – 15	LEAN CLAY (CL), olive gray to olive brown, moist, low plasticity, contains calcium carbonate [Colluvium]
	Test pit terminated at approximately 15 feet below ground surface. Groundwater not encountered.





TEST PIT LOG 1-TP7

Elworthy East Project Danville, California 24441.000.001	Logged By: N. Inserra Logged Date: 12/15/2023 Equipment: Rubber Tire Backhoe	Lat: 37.795236 Long: -121.958623

Depth (Feet)	Description
0 – 2	FAT CLAY (CH), dark olive gray to black, dry, hard, contains calcium carbonate [Colluvium]
2 – 6	Olive gray to olive brown, moist, hard PP: >4.0 tsf
6 – 8	LEAN CLAY (CL), olive gray to olive brown, moist, low plasticity, contains calcium carbonate Sampled at 6’
8 – 11.5	FAT CLAY (CH), olive gray to olive brown, moist, medium to high plasticity, hard, contains calcium carbonate nodules, trace rounded fine gravel and coarse-grained sand
11.5 – 15	LEAN CLAY w GRAVEL (CL), dark yellowish brown, moist, low plasticity, gravel is fine and rounded
	Test pit terminated at approximately 15 feet below ground surface. Groundwater not encountered.





TEST PIT LOG 1-TP8

Elworthy East Project Danville, California 24441.000.001	Logged By: N. Inserra Logged Date: 12/15/2023 Equipment: Rubber Tire Backhoe	Lat: 37.795194 Long: -121.959400

Depth (Feet)	Description
0 – 2	FAT CLAY (CH), dark olive gray to black, dry, hard, contains calcium carbonate [Colluvium]
2 – 3.5	Olive gray to olive brown, moist, hard PP: >4.0 tsf
3.5 – 8	LEAN CLAY (CL), olive gray to olive brown, moist, low plasticity, contains calcium carbonate
8 – 11	SANDY SILT (ML), light yellowish brown, moist, stiff, fine to medium sand, trace fine rounded gravel Sampled at 9’
11 – 12.5	SILTSTONE, yellowish brown, extremely to very weak, massive, slightly weathered
	Test pit terminated at approximately 12.5 feet below ground surface. Groundwater not encountered.





TEST PIT LOG 1-TP9

Elworthy East Project Danville, California 24441.000.001	Logged By: N. Inserra Logged Date: 12/15/2023 Equipment: Rubber Tire Backhoe	Lat: 37.794872 Long: -121.961254

Depth (Feet)	Description
0 – 2	FAT CLAY (CH), dark olive gray to black, dry, hard, contains calcium carbonate [Colluvium]
2 - 5	Moist, very stiff PP: 3.0 tsf
5 – 15	LEAN CLAY (CL), dark brown, moist, stiff, low to medium plasticity, trace fine rounded gravel, contains calcium carbonate nodules Sampled at 6’
	Test pit terminated at approximately 15 feet below ground surface. Groundwater not encountered.



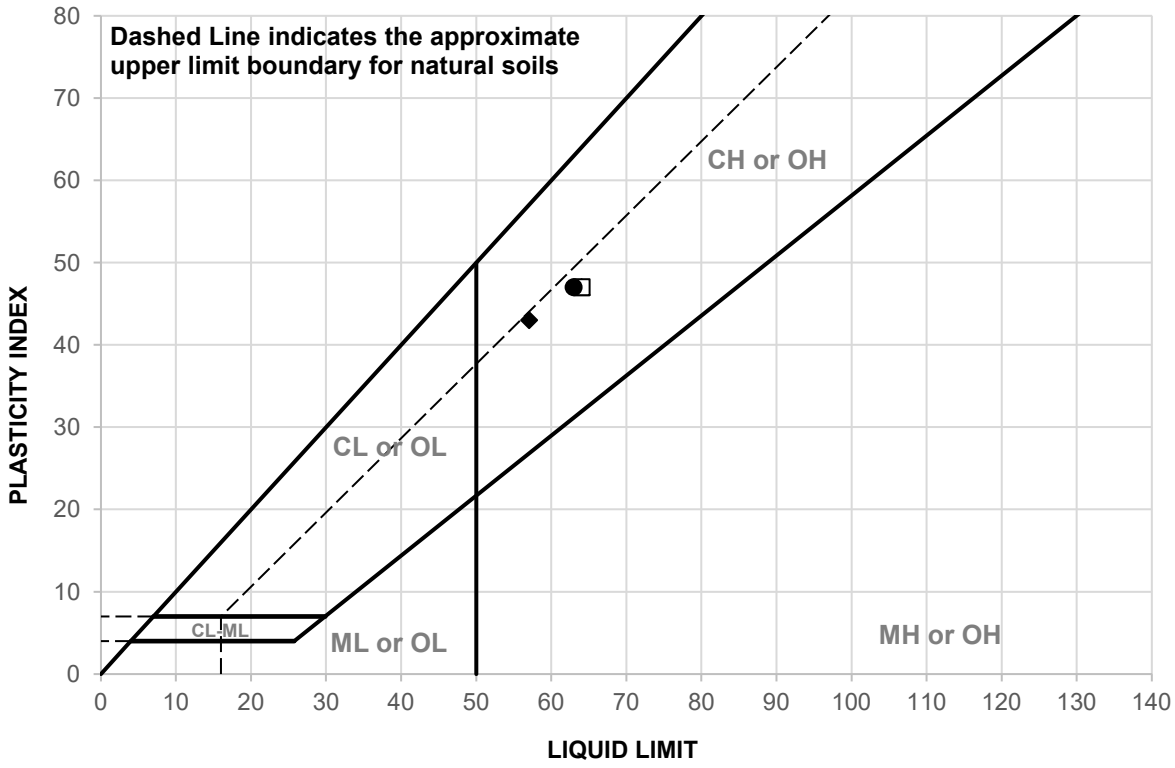




APPENDIX B

EXPLORATION LOGS BGC (1999)

LIQUID AND PLASTIC LIMITS TEST REPORT
ASTM D4318



	SAMPLE ID	DEPTH (ft)	MATERIAL DESCRIPTION	LL	PL	PI
▲	1-B1@3-3.5	3-3.5	See exploration logs	64	17	47
◆	1-B1@16-16.5	16-16.5	See exploration logs	57	14	43
□	1-B2@2.5-3	2.5-3	See exploration logs	64	17	47
●	1-B3@3-3.5	3-3.5	See exploration logs	63	16	47

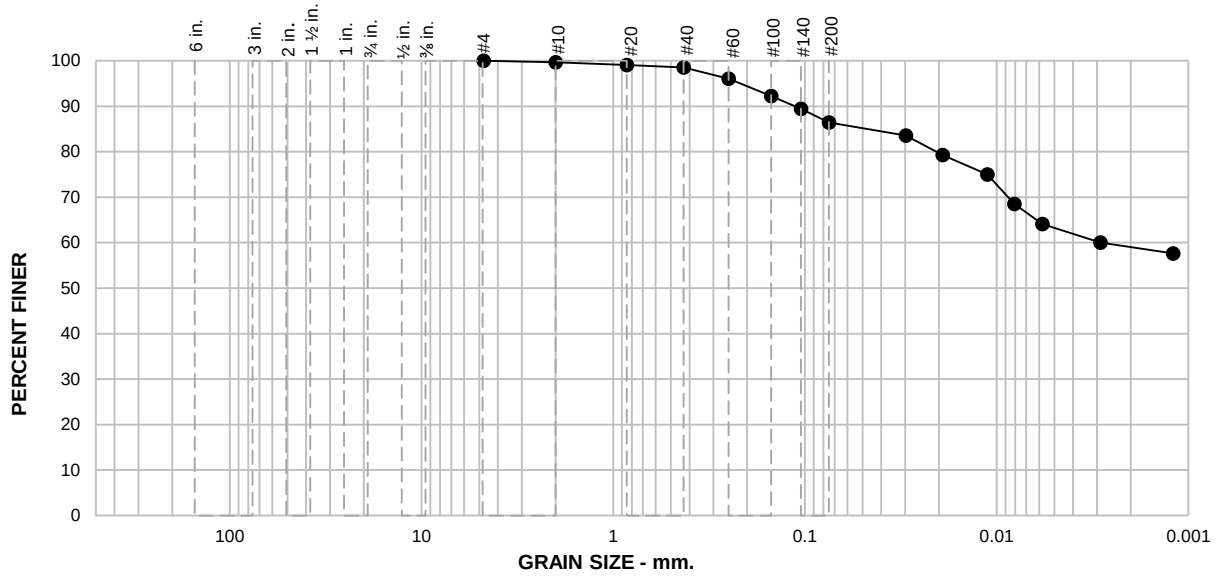
	SAMPLE ID	TEST METHOD	REMARKS
▲	1-B1@3-3.5	PI: ASTM D4318, Wet Method	
◆	1-B1@16-16.5	PI: ASTM D4318, Wet Method	
□	1-B2@2.5-3	PI: ASTM D4318, Wet Method	
●	1-B3@3-3.5	PI: ASTM D4318, Wet Method	

ENGEO
Expect Excellence

CLIENT: The Stringer Company, Inc.
PROJECT NAME: Elworthy East Property Danville
PROJECT NO: 24441.000.001 PH001
PROJECT LOCATION: Danville, CA
REPORT DATE: 2/9/2024
TESTED BY: G. Criste
REVIEWED BY: D. Seibold

PARTICLE SIZE DISTRIBUTION REPORT

ASTM D422



SAMPLE ID: 1-B2@3-3.5

DEPTH (ft): 3-3.5

LOCATION: 1-B2@3-3.5

% +75mm	% GRAVEL		% SAND			% FINES	
	COARSE	FINE	COARSE	MEDIUM	FINE	SILT	CLAY
			0.4	1.1	12.1	27.4	59.0

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#4	100.0		
#10	99.6		
#20	99.1		
#40	98.5		
#60	96.1		
#100	92.2		
#140	89.4		
#200	86.4		
0.0298 mm.	83.5		
0.0191 mm.	79.3		
0.0112 mm.	75.0		
0.0081 mm.	68.5		
0.0058 mm.	64.1		
0.0029 mm.	60.0		
0.0012 mm.	57.6		

SOIL DESCRIPTION

See exploration logs

ATTERBERG LIMITS

PL = LL = PI =

COEFFICIENTS

D_{90} = 0.1133 mm D_{85} = 0.0480 mm D_{60} = 0.0029 mm

D_{50} = D_{30} = D_{15} =

D_{10} = C_u = C_c =

CLASSIFICATION

USCS =

REMARKS

Silt/clay division of 0.002mm used

* (no specification provided)

ENGEO
Expect Excellence

CLIENT: The Stringer Company, Inc.

PROJECT NAME: Elworthy East Property Danville

PROJECT NO: 24441.000.001 PH001

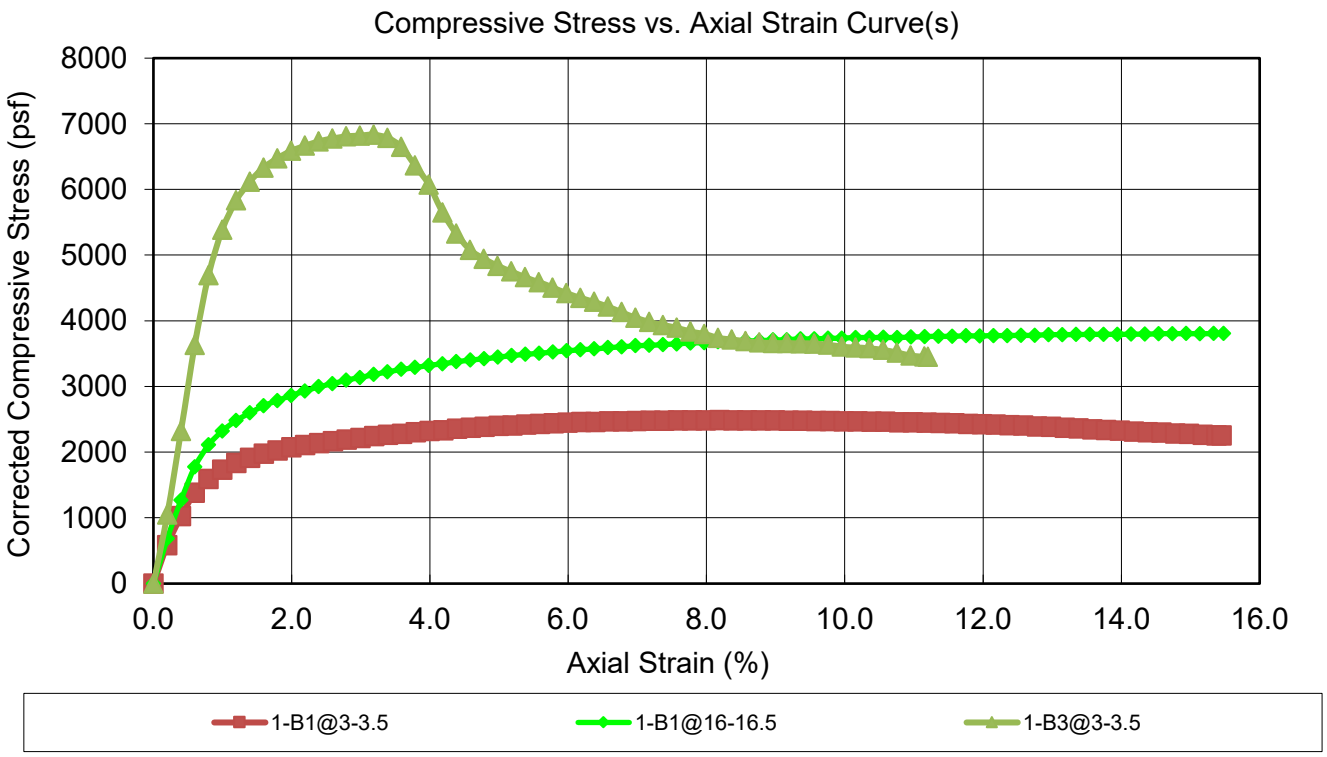
PROJECT LOCATION: Danville, CA

REPORT DATE: 2/23/2024

TESTED BY: Y. Cabrales

REVIEWED BY: G. Criste

UNCONFINED COMPRESSION TEST REPORT
(ASTM D2166)



BEFORE TEST	SPECIMEN 1-B1@3-3.5	SPECIMEN 1-B1@16-16.5	SPECIMEN 1-B3@3-3.5
Test Moisture Content (%)	30.09	28.88	23.40
Dry Density (pcf)	92.0	95.4	98.5
Saturation (%)	96.8	100.7	88.0
Void Ratio	0.85	0.78	0.72
Diameter (in)	2.410	2.402	2.414
Height (in)	5.007	5.021	5.022
Height-To-Diameter Ratio	2.08	2.09	2.08
TEST DATA			
Unconfined Compressive Strength (psf)	2485.8	3807.8	6834.5
Undrained Shear Strength (psf)	1242.9	1903.9	3417.3
Strain Rate (in/min)	0.050	0.050	0.050
Specific Gravity (ASSUMED)	2.720	2.720	2.720
Strain at Failure(%)	8.19	15.48	3.19
Test Remarks			

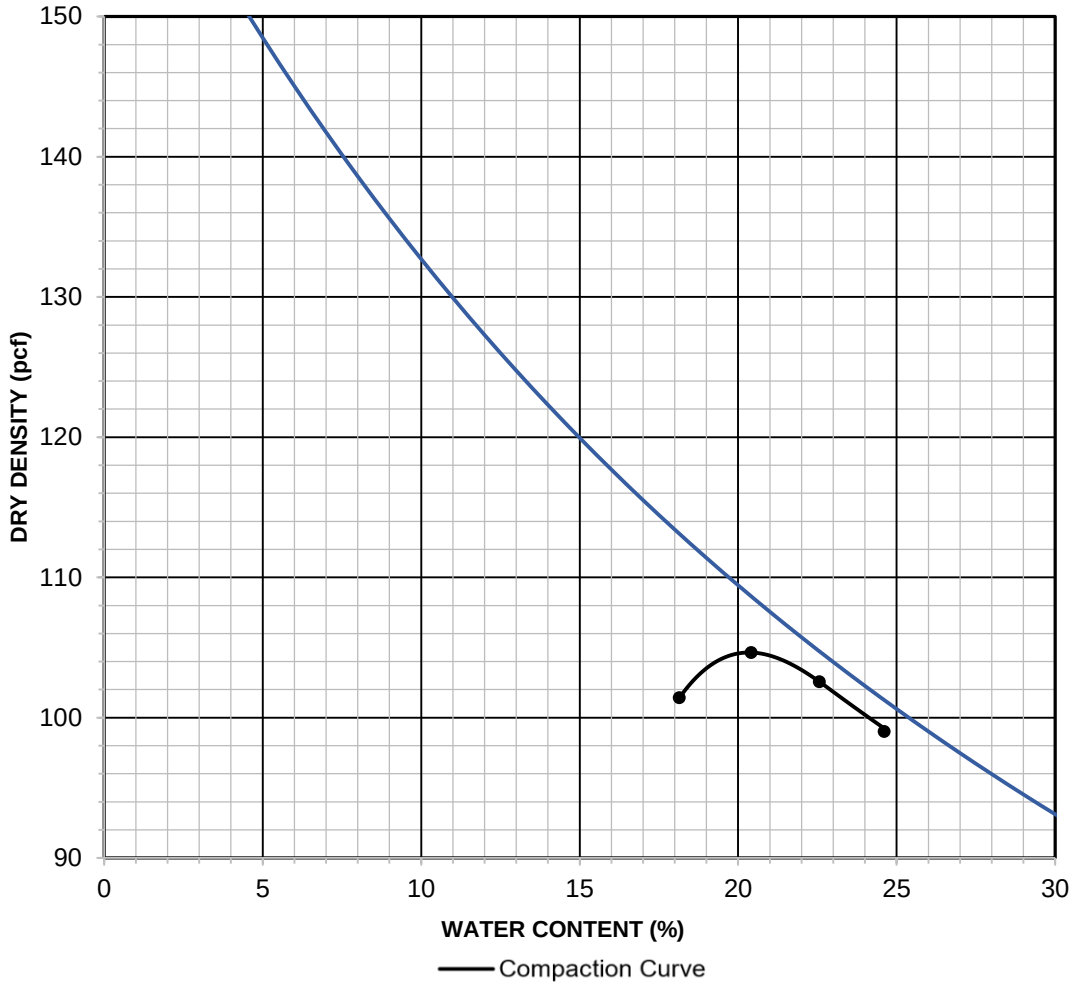
SPECIMEN	DESCRIPTION
1-B1@3-3.5	See exploration logs
1-B1@16-16.5	See exploration logs
1-B3@3-3.5	See exploration logs

PROJECT NAME: Elworthy East Property Danville
PROJECT NO: 24441.000.001 PH001
CLIENT: The Stringer Company, Inc.
LOCATION: Danville, CA

Test Date: 2/7/2024
Tested By: G. Criste
Reviewed By: D. Seibold

ENGEO
Expect Excellence

COMPACTION CURVE REPORT
ASTM D1557



Curve Number: 1

Test Specification: Method A

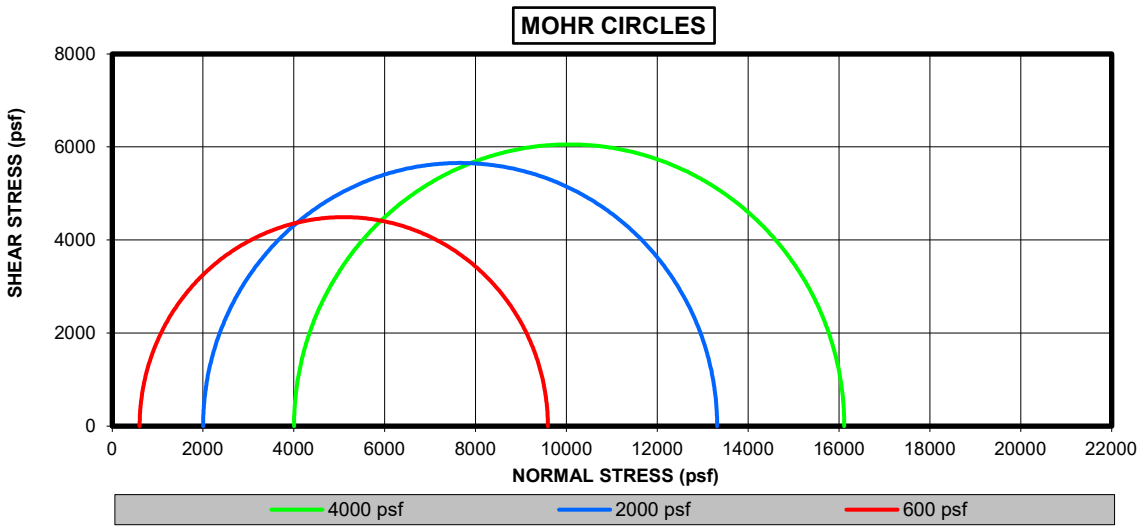
Sample Location: n/a

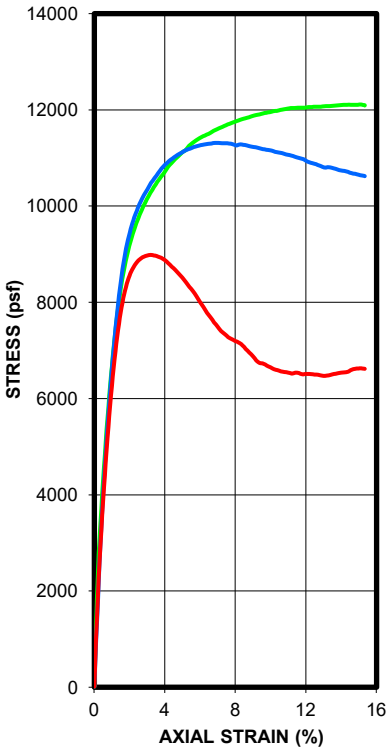
	RESULTS	MATERIAL DESCRIPTION - D2488
Maximum Dry Density, pcf	104.6	Composite of bag samples
Optimum Moisture Content, %	20.3	
Remarks	n/a	

ENGEO
Expect Excellence

CLIENT: The Stringer Company, Inc
PROJECT NAME: Elworthy East Property GEX Danville
PROJECT NO: 24441.000.001 PH001
PROJECT LOCATION: Danville, CA
REPORT DATE: 2/9/2024
TESTED BY: Y. Cabrales
REVIEWED BY: G. Criste

ISOTROPIC UNCONSOLIDATED UNDRAINED TRIAXIAL REPORT
ASTM D2850





	SPECIMEN			
INITIAL PARAMETERS	**4000 psf**	**2000 psf**	**600 psf**	
MOISTURE (%)	23.30	23.30	23.30	
DRY DENSITY (PCF)	93.90	94.60	93.70	
SATURATION (%)	78.36	79.65	78.01	
VOID RATIO	0.809	0.796	0.812	
DIAMETER (IN.)	2.422	2.426	2.429	
HEIGHT (IN.)	5.023	4.971	5.005	
DIAMETER-TO-HEIGHT RATIO	2.074	2.049	2.061	
LIQUID LIMIT (ASTM D4318)				
PLASTIC LIMIT (ASTM D4318)				
SPECIFIC GRAVITY (ASTM D854)	2.720	2.720	2.720	
FINAL PARAMETERS	**4000 psf**	**2000 psf**	**600 psf**	
MOISTURE (%)	23.30	23.30	23.30	
SATURATION (%)	78.36	79.65	78.01	
STRAIN RATE (%/MIN.)	0.050	0.050	0.050	
PEAK DEVIATOR STRESS (PSF)	12111.3	11314.4	8985.8	
AXIAL STRAIN AT FAILURE (%)	15.131	7.041	3.197	
CELL PRESSURE				
CELL PRESSURE (PSF)	4003.2	2001.6	604.8	
BACK PRESSURE (PSF)	n/a	n/a	n/a	
PRINCIPLE STRESSES AT FAILURE				
σ1 (PSF)	16114.5	13316.0	9590.6	
σ3 (PSF)	4003.2	2001.6	604.8	
COHESION AT FAILURE WITH A ZERO FRICTION ANGLE (Ø=0)				
COHESION, C (PSF)	6055.7	5657.2	4492.9	
REMARKS				
Remolding specs: 90% relative compaction of 104.6 pcf at 23.3% moisture (+3% over optimum)				

ENGEO
Expect Excellence

CLIENT: The Stringer Company, Inc.
PROJECT NAME: Elworthy East Property Danville
PROJECT NO: 24441.000.001 PH001
PROJECT LOCATION: Danville, CA
REPORT DATE: 2/12/2024
TESTED BY: G. Criste
REVIEWED BY: D. Seibold



APPENDIX C

LABORATORY TEST DATA

BORING LOG

B-1

JOB NUMBER: 328.101 **DATE DRILLED:** 5-19-99

JOB NAME: Elworthy East Property **SURFACE ELEVATION:** 175 m

DRILL RIG: Solid Flight Auger **DATUM:** Mean Sea Level

SAMPLER TYPE: ■ 2.5" I.D. Split Barrel **DRIVE WEIGHT - LB** 140 **HEIGHT OF FALL - IN** 30

BLOWS PER FT.	MOISTURE CONTENT %	DRY UNIT WEIGHT p.c.f.	DEPTH IN FEET	USCS CLASSIFICATION	DESCRIPTION
36	24.0	96		CL	SILTY CLAY, dark gray-brown, moist, very stiff, rootlets, caliche nodules
37	26.4	98	5		
				CL	SILTY CLAY, gray to light gray, moist to wet, very stiff, caliche nodules
27	29.2	95	10		below 12 feet, becomes saturated
33	32.4	87	15		
28	29.6	92	20		

BORING LOG B-1

JOB NUMBER: 2328 01 SHEET 2 OF: 2

JOB NAME: Elworthy East Property DEPTH: 20 TO 35-1/2 feet

NOTES:

BLOWS PER FT.	MOISTURE CONTENT %	DRY UNIT WEIGHT p.c.f.	DEPTH IN FEET	USCS CLASSIFICATION	DESCRIPTION
				CL	SILTY CLAY, gray to light gray, saturated, very stiff, caliche nodules
32	30.8	91	25		
22	30.7	90	30		SILTSTONE, olive-gray, highly weathered, friable, poorly indurated
26	33.4	76	35		
			40		Boring terminated at 35-1/2 feet. Free water encountered at 12 feet. Water rose to 3 feet after 24 hours. Hole grouted to surface.

BORING LOG B-2

JOB NUMBER: 232: 01 DATE DRILLED: 5-19-99

JOB NAME: Elworthy East Property SURFACE ELEVATION: 185 m

DRILL RIG: Solid Flight Auger DATUM:

SAMPLER TYPE: 2.5" I.D. Split Barrel | DRIVE WEIGHT – LB: 140 | HEIGHT OF FALL – IN: 30

BLOWS PER FT.	MOISTURE CONTENT %	DRY UNIT WEIGHT p.c.f.	DEPTH IN FEET	USCS CLASSIFICATION	DESCRIPTION
				CL	SILTY CLAY, dark gray-brown, moist, stiff, some sand
18	22.3	94			
25	27.2	95	5		below 5 feet, becomes very stiff, trace sand
15	28.5	94		CL	SILTY CLAY, gray-brown to light gray, moist, stiff, some sand
			10		
14	28.2	96			
			15		
36	26.1	98			below 18 feet, becomes very stiff
			20		

BORING LOG B-2

JOB NUMBER: 2328.1 SHEET: 2 OF: 3

JOB NAME: Elworthy East Property DEPTH: 20 TO 40 feet

NOTES:

BLOWS PER FT.	MOISTURE CONTENT %	DRY UNIT WEIGHT p.c.f.	DEPTH IN FEET	USCS CLASSIFICATION	DESCRIPTION
				CL	SILTY CLAY, gray-brown to light gray, saturated, very stiff, some sand
18	30.8	83			below 23 feet, becomes stiff
			25		
28	31.9	106			below 28 feet, becomes very stiff
			30		
22	29.8	89			at 33-1/2 feet, 3" sand lens
			35		
30	28.6	69		SC	CLAYEY SAND WITH GRAVEL, light brown, saturated, medium dense
			40		

BORING LOG B-2

JOB NUMBER: 2328.1 **SHEET:** 3 **OF:** 3

JOB NAME: Elworthy East Property **DEPTH:** 40 **TO** 44-1/2 feet

NOTES:

BLOWS PER FT.	MOISTURE CONTENT %	DRY UNIT WEIGHT p.c.f.	DEPTH IN FEET	USCS CLASSIFICATION	DESCRIPTION
41	40.8	79		SC	CLAYEY SAND WITH GRAVEL, light brown, saturated, medium dense
					SILTSTONE, olive -gray, highly weathered, friable, poorly indurated
			45		Boring terminated at 44-1/2 feet. Free water encountered at 12 feet. Water rose to 3-1/2 feet after 24 hours. Hole grouted to surface.
			50		
			55		
			60		

BORING LOG B-3

JOB NUMBER: 2328 DATE DRILLED: 5-20-99

JOB NAME: Elsworthy East Property SURFACE ELEVATION: 198 m

DRILL RIG: Solid Flight Auger DATUM:

SAMPLER TYPE: ■ 2.5" I.D. Split Barrel | DRIVE WEIGHT - LB: 140 | HEIGHT OF FALL - IN: 30

BLOWS PER FT.	MOISTURE CONTENT %	DRY UNIT WEIGHT p.c.f.	DEPTH IN FEET	USCS CLASSIFICATION	DESCRIPTION
35	-	-	0	CL	SILTY CLAY, dark gray-brown, moist, very stiff, rootlets, caliche nodules
41	22.1	101	5		
52	20.3	102	10	CL	SILTY CLAY, gray-brown, moist, hard, trace sand, caliche nodules
44	20.9	107	15		
43	20.4	85	20	CL	SILTY CLAY, medium brown, moist, very stiff, trace sand, caliche nodules

BORING LOG B-3

JOB NUMBER: 2328.

SHEET: 2 OF: 3

JOB NAME: Elworthy East Property

DEPTH: 20 TO 40 feet

NOTES:

BLOWS PER FT.	MOISTURE CONTENT %	DRY UNIT WEIGHT p.c.f.	DEPTH IN FEET	USCS CLASSIFICATION	DESCRIPTION
43	20.4	85		CL	SILTY CLAY, medium brown, moist, very stiff, caliche nodules, trace sand
36	26.4	98	25		
40	24.7	98	30		SILTSTONE, olive-gray, highly weathered, friable, poorly indurated, trace fine gravel
37	30.0	90	35		
47	23.7	102	40		SANDSTONE, light gray to olive, highly weathered, friable

BORING LOG B-3

JOB NUMBER: 2328.1 SHEET: 3 OF: 3

JOB NAME: Elworthy East Property DEPTH: 40 TO 41-1/2 feet

NOTES:

BLOWS PER FT.	MOISTURE CONTENT %	DRY UNIT WEIGHT p.c.f.	DEPTH IN FEET	USCS CLASSIFICATION	DESCRIPTION
47	23.7	102			SANDSTONE, light gray to olive, highly weathered, friable
			45		Boring terminated at 41-1/2 feet. Free water encountered at 35 feet. Hole grouted to surface.
			50		
			55		
			60		

No. 2328.101
Elworthy East Property
Danville, California

TEST PIT LOGS

Test Pit Number	Depth (Feet)	Description
TP-1	0-3	Silty Clay, dark gray brown, moist, very stiff, high plasticity.
	3-4	Clayey Silt, olive gray to light brown, moist, stiff.
	4-6	Siltstone, olive gray, highly weathered, friable to weak, highly fractured.
		Total depth 6 feet No free ground water encountered
TP-2	0-1½	Silty Clay, dark gray brown, moist, very stiff, high plasticity.
	1½-6	Sandy Clayey Silt, olive gray to light brown, moist, stiff.
	6-10	Sandstone, olive gray to light brown, highly weathered, friable to weak, moderately fractured.
		Total depth 10 feet No free ground water encountered
TP-3	0-9	Silty Clay, dark gray brown, moist, very stiff, high plasticity.
	9-15	Clayey Silt, olive gray to light brown, moist, stiff, trace gravel.
		Total depth 15 feet No free ground water encountered
TP-4	0-3	Silty Clay, dark gray brown, moist, very stiff, high plasticity.
	3-5	Clayey Silt, olive gray to light brown, moist, stiff.
	5-9	Siltstone, light brown, highly weathered, friable to weak, highly fractured.
		Total depth 9 feet No free ground water encountered
TP-5	0-3	Silty Clay, dark gray brown, moist, very stiff, high plasticity.
	3-4	Clayey Silt, olive gray to light brown, moist, stiff, caliche nodules.
	4-7	Siltstone, olive gray, highly weathered, friable to weak, highly fractured.
		Total depth 7 feet No free ground water encountered

b No. 2328.101
worthy East Property
Danville, California

TEST PIT LOGS

Test Pit Number	Depth (Feet)	Description
TP-6	0-5	Silty Clay, dark gray brown, moist, very stiff, high plasticity.
	5-9	Clayey Silt, olive gray to light brown, moist, stiff.
	9-12	Siltstone, olive gray, highly weathered, friable to weak, highly fractured.
		Total depth 12 feet No free ground water encountered
TP-7	0-3	Silty Clay, dark gray brown, moist, very stiff, high plasticity.
	3-5	Clayey Silt, olive gray to light brown, moist, stiff.
	5-9	Siltstone, olive gray, highly weathered, friable to weak, highly fractured.
		Total depth 9 feet No free ground water encountered
TP-8	0-4	Silty Clay, dark gray brown, moist, very stiff, high plasticity.
	4-6	Clayey Silt, olive gray to light brown, moist, stiff.
	6-12	Siltstone, olive gray, highly weathered, friable to weak, highly fractured, caliche veinlets.
		Total depth 12 feet No free ground water encountered
TP-9	0-2½	Silty Clay, dark gray brown, moist, very stiff, high plasticity.
	2½-5	Clayey Silt, olive gray to light brown, wet, stiff.
	5-9	Sandstone, olive gray to light brown, highly weathered, friable to weak, moderately fractured.
		Total depth 9 feet Free ground water encountered at 8 feet

Job No. 2328.101
Elworthy East Property
Danville, California

TEST PIT LOGS

Test Pit Number	Depth (Feet)	Description
TP-10	0-3	Silty Clay, dark gray brown, moist, very stiff, high plasticity.
	3-6	Clayey Silt, olive gray to light brown, wet, stiff.
	6-9	Siltstone, olive gray, highly weathered, friable to weak, highly fractured.
		Total depth 9 feet Free ground water encountered at 6 feet
TP-11	0-4½	Silty Clay, dark gray brown, moist, very stiff, high plasticity.
	4½-10½	Silty Clay, gray, wet, stiff.
		Total depth 10½ feet Free ground water encountered at 8 feet
TP-12	0-4	Silty Clay, dark gray brown, moist, very stiff, high plasticity.
	4-11½	Silty Clay, gray, wet, stiff.
		Total depth 11½ feet No free ground water encountered
TP-13	0-7	Silty Clay, dark brown to black, moist, very stiff, high plasticity.
	7-13	Silty Clay, tan brown, moist, stiff, medium to high plasticity, some deeply weathered bedrock.
		Total depth 13 feet Free ground water encountered at 13 feet
TP-14	0-4	Silty Clay, dark brown to black, moist, very stiff, high plasticity.
	4-8	Siltstone, olive gray, highly weathered, friable, highly fractured to crushed.
		Total depth 8 feet No free ground water encountered

Job No. 2328.101
Elworthy East Property
Danville, California

TEST PIT LOGS

Test Pit Number	Depth (Feet)	Description
TP-15	0-2½	Silty Clay, dark brown to black, moist, very stiff, high plasticity.
	2½-7	Siltstone, olive gray, highly weathered, friable, highly fractured to crushed.
		Total depth 7 feet No free ground water encountered
TP-16	0-2	Silty Clay, dark brown to black, moist, very stiff, high plasticity.
	2-6½	Sandstone, olive to gray, moderately weathered, weak, moderately fractured, trace caliche, joint set N63W 54NE.
		Total depth 6½ feet No free ground water encountered
TP-17	0-4	Silty Clay, dark brown to black, moist, very stiff, high plasticity.
	4-5	Silty Clay, tan brown, moist, stiff, shrink-swell slicks.
	5-6	Siltstone, olive gray, highly weathered, friable, highly fractured to crushed, poorly indurated.
	6-10	Siltstone, olive gray, highly weathered, friable, highly fractured to crushed.
		Total depth 10 feet No free ground water encountered
TP-18	0-3	Silty Clay, dark brown to black, moist, very stiff, high plasticity.
	3-4	Silty Clay, tan brown, moist, stiff, shrink-swell slicks.
	4-9	Siltstone, olive gray, highly weathered, friable, highly fractured to crushed, bedding N20W 41NE.
		Total depth 9 feet No free ground water encountered

o No. 2328.101
Elworthy East Property
Danville, California

TEST PIT LOGS

Test Pit Number	Depth (Feet)	Description
TP-19	0-9	Silty Clay, dark brown to black, moist, very stiff (Qls).
	9-14	Silty Clay, tan brown, moist, stiff, shrink-swell slicks (Qls).
		Total depth 19 feet No free ground water encountered
TP-20	0-5½	Silty Clay, dark brown to black, moist, very stiff, high plasticity (Qc).
	5½-7½	Silty Clay, tan brown, moist, stiff, shrink-swell slicks (Qc).
	7½-11	Siltstone, olive gray, highly weathered, friable, highly fractured to crushed.
		Total depth 11 feet No free ground water encountered
TP-21	0-3	Silty Clay, dark brown to black, moist, very stiff, high plasticity.
	3-5	Silty Clay, tan brown, moist, stiff, shrink-swell slicks.
	3-7	Siltstone, olive gray, highly weathered, friable, crushed.
	7-9	Siltstone, olive gray, highly weathered, friable, highly fractured to crushed.
		Total depth 9 feet No free ground water encountered
TP-22	0-6	Silty Clay, dark brown to black, moist, very stiff, high plasticity (Qc).
	6-9	Silty Clay, mottled brown and gray, moist, very stiff, some siltstone fragments (Qc).
	9-12	Siltstone, olive gray, highly weathered, friable, highly fractured to crushed.
		Total depth 12 feet No free ground water encountered

b No. 2328.101
Elworthy East Property
Danville, California

TEST PIT LOGS

Test Pit Number	Depth (Feet)	Description
TP-23	0-3	Silty Clay, dark brown to black, moist, very stiff, high plasticity.
	3-8½	Sandstone, olive to gray, moderately weathered, weak, moderately fractured, trace caliche. Bedding N30W 27SW.
	8½-11	Claystone, olive to rust, highly weathered, friable, crushed, trace caliche, highly sheared.
		Total depth 11 feet No free ground water encountered
TP-24	0-7½	Silty Clay, dark brown to black, moist, very stiff, high plasticity.
	7½-11	Sandstone, olive to gray, moderately weathered, weak, moderately fractured, trace caliche, some coarse pockets.
		Total depth 11 feet No free ground water encountered
TP-25	0-3	Silty Clay, dark brown to black, moist, very stiff, high plasticity.
	3-4	Silty Clay, tan brown, moist, stiff.
	4-10	Clayey Siltstone, brown gray, highly weathered, friable, moderate to highly fractured, trace caliche.
		Total depth 10 feet No free ground water encountered
TP-26	0-3	Silty Clay, dark brown to black, moist, very stiff; high plasticity.
	3-4½	Silty Clay, tan brown, moist, stiff.
	4½-9	Claystone, olive to rust, highly weathered, friable, crushed, trace caliche, highly sheared, abundant caliche.
		Total depth 9 feet No free ground water encountered

Job No. 2328.101
Elworthy East Property
Danville, California

TEST PIT LOGS

Test Pit Number	Depth (Feet)	Description
TP-27	0-2	Silty Clay, dark brown to black, moist, very stiff, high plasticity.
	2-2¾	Silty Clay, tan brown, moist, stiff.
	2¾-9	Claystone, olive to rust, highly weathered, friable, crushed, trace caliche, highly sheared, abundant caliche from 3 to 6 feet.
		Total depth 9 feet No free ground water encountered
TP-28	0-2½	Silty Clay, dark brown to black, moist, very stiff, high plasticity.
	2½-3½	Silty Clay, tan brown, moist, stiff.
	3½-7	Clayey Siltstone, brown gray, highly weathered, friable, moderate to highly fractured, trace caliche. Bedding N08E 26SE.
	7-10	Sandstone, olive to gray, moderately weathered, weak, moderately fractured, trace caliche.
		Total depth 10 feet No free ground water encountered
TP-29	0-2	Silty Clay, dark brown to black, moist, very stiff, high plasticity.
	2-6	Sandstone, olive to gray, moderately weathered, weak, moderately fractured, trace caliche.
		Total depth 6 feet No free ground water encountered
TP-30	0-3	Silty Clay, dark brown to black, moist, very stiff, high plasticity.
	3-4	Silty Clay, tan brown, moist, stiff.
	4-8	Clayey Siltstone, brown gray, highly weathered, friable, moderate to highly fractured, trace caliche.
		Total depth 8 feet No free ground water encountered

Job No. 2328.101
Elworthy East Property
Danville, California

TEST PIT LOGS

Test Pit Number	Depth (Feet)	Description
TP-31	0-2½	Silty Clay, dark brown to black, moist, very stiff, high plasticity.
	2½-3	Silty Clay, tan brown, moist, stiff.
	3-7½	Sandstone, olive to gray, moderately weathered, weak, moderately fractured, trace caliche.
		Total depth 7½ feet No free ground water encountered
TP-32	0-4	Silty Clay, dark brown to black, moist, very stiff, high plasticity.
	4-7	Silty Clay, medium brown, moist, very stiff, high plasticity.
	7-9½	Conglomerate, yellow to brown, moderately weathered, moderately strong, occasionally fractured.
		Total depth 9½ feet No free ground water encountered
TP-33	0-7	Silty Clay, dark brown to black, moist, very stiff, high plasticity.
	7-8	Silty Clay, tan brown, moist, stiff.
	8-11	Siltstone, olive gray, highly weathered, friable, highly fractured to crushed.
		Total depth 11 feet No free ground water encountered
TP-34	0-7	Silty Clay, dark brown to black, moist, very stiff, high plasticity.
	7-14	Silty Clay, tan brown, moist, stiff.
		Total depth 14 feet No free ground water encountered

) No. 2328.101
Elworthy East Property
Danville, California

TEST PIT LOGS

Test Pit Number	Depth (Feet)	Description
TP-35	0-3	Silty Clay, dark brown to black, moist, very stiff, high plasticity.
	3-5½	Silty Clay, tan brown, moist, stiff.
	5½-14	Claystone, olive to rust, highly weathered, friable, crushed, trace caliche, highly sheared, abundant siltstone fragments.
		Total depth 14 feet No free ground water encountered
TP-36	0-8	Silty Clay, dark brown to black, moist, very stiff, high plasticity.
	8-12	Silty Claystone, olive to rust, highly weathered, friable, crushed, trace caliche, highly sheared, some gravel (Qc).
		Total depth 12 feet No free ground water encountered
TP-37	0-4	Silty Clay, dark brown to black, moist, very stiff, high plasticity.
	4-5	Silty Clay, tan brown, moist, stiff.
	5-7	Clayey Siltstone, brown gray, highly weathered, friable, moderate to highly fractured, trace caliche. Sharp contact N18W 48SW.
	7-10	Conglomerate, yellow to brown, moderately weathered, moderately strong, occasionally fractured.
		Total depth 10 feet No free ground water encountered
TP-38	0-7	Silty Clay, dark brown to black, moist, very stiff, high plasticity.
	7-14	Silty Clay, tan brown, moist, stiff.
		Total depth 14 feet No free ground water encountered

b No. 2328.101
Elworthy East Property
Danville, California

TEST PIT LOGS

Test Pit Number	Depth (Feet)	Description
TP-39	0-5	Silty Clay, dark brown to black, moist, very stiff, high plasticity.
	5-10	Silty Clay, tan brown, moist, stiff.
		Total depth 10 feet No free ground water encountered
TP-40	0-6	Silty Clay, dark brown to black, moist, very stiff, high plasticity.
	6-10	Sandstone, olive to gray, moderately weathered, weak, moderately fractured, trace caliche, highly oxidized.
		Total depth 10 feet No free ground water encountered
TP-41	0-4	Silty Clay, dark brown to black, moist, very stiff, high plasticity.
	4-5½	Siltstone, olive gray, highly weathered, friable, crushed.
	5½-10	Siltstone, olive gray, highly weathered, friable, highly fractured to crushed.
		Total depth 10 feet No free ground water encountered
TP-42	0-5	Silty Clay, dark brown to black, moist, very stiff, high plasticity (Qls).
	5-11	Silty Clay, tan brown, moist, stiff, some caliche (Qls).
		Total depth 11 feet No free ground water encountered
TP-43	0-5	Silty Clay, dark brown to black, moist, very stiff, high plasticity.
	5-11	Silty Clay, tan brown, moist, stiff trace caliche.
		Total depth 11 feet No free ground water encountered

Job No. 2328.101
Elworthy East Property
Danville, California

TEST PIT LOGS

Test Pit Number	Depth (Feet)	Description
TP-44	0-3	Silty Clay, dark brown to black, moist, very stiff, high plasticity.
	3-7	Tuff, olive to white, highly weathered, moderately strong, highly fractured.
		Total depth 7 feet No free ground water encountered
TP-45	0-4	Silty Clay, dark brown to black, moist, very stiff, high plasticity (Qls).
	4-10	Silty Clay, tan brown, moist, stiff some caliche (Qls).
		Total depth 10 feet No free ground water encountered
TP-46	0-5	Silty Clay, dark brown to black, moist, very stiff, high plasticity.
	5-10	Silty Clay, tan brown, moist, stiff (Qc/Qls).
		Total depth 10 feet No free ground water encountered
TP-47	0-3½	Silty Clay, dark brown to black, moist, very stiff, high plasticity.
	3½-8	Siltstone, olive gray, highly weathered, friable, crushed.
		Total depth 8 feet No free ground water encountered
TP-48	0-6	Silty Clay, dark brown to black, moist, very stiff, high plasticity (Qc).
	6-11	Silty Clay, tan brown, moist, stiff trace caliche (Qc).
		Total depth 11 feet No free ground water encountered

Job No. 2328.101
Elworthy East Property
Danville, California

TEST PIT LOGS

Test Pit Number	Depth (Feet)	Description
TP-49	0-6	Silty Clay, dark brown to black, moist, very stiff, high plasticity (Qc).
	6-7½	Silty Clay, tan brown, moist, stiff (Qc).
	7½-9	Siltstone, olive gray, highly weathered, friable, crushed.
	9-12	Siltstone, olive gray, highly weathered, friable, highly fractured to crushed.
		Total depth 12 feet No free ground water encountered
TP-50	0-3	Silty Clay, dark brown to black, moist, very stiff, high plasticity.
	3-4	Siltstone, olive gray, highly weathered, friable, crushed.
	4-10	Siltstone, olive gray, highly weathered, friable, highly fractured to crushed, trace caliche. Bedding N85W 70N.
		Total depth 10 feet No free ground water encountered
TP-51	0-3	Silty Clay, dark brown to black, moist, very stiff, high plasticity.
	3-4	Silty Clay, tan brown, moist, stiff.
	4-8	Siltstone, olive gray, highly weathered, friable, highly fractured to crushed.
	8-11	Claystone, olive to rust, highly weathered, friable, crushed, trace caliche, highly sheared.
		Total depth 11 feet No free ground water encountered

Job No. 2328.101
Elworthy East Property
Danville, California

TEST PIT LOGS

Test Pit Number	Depth (Feet)	Description
TP-52	0-4	Silty Clay, dark brown to black, moist, very stiff, high plasticity.
	4-6	Clayey Siltstone, brown gray, highly weathered, highly friable, moderate to highly fractured, trace caliche. Bedding N42W 29N.
	6-11	Claystone, olive to rust, highly weathered, friable, crushed, trace caliche, highly sheared.
		Total depth 11 feet No free ground water encountered
TP-53	0-4	Silty Clay, dark brown to black, moist, very stiff, high plasticity (Qls).
	4-10	Silty Clay, tan brown, moist, stiff, trace rootlets (Qls).
		Total depth 10 feet No free ground water encountered
TP-54	0-3	Silty Clay, dark brown to black, moist, very stiff, high plasticity (Qls).
	3-11	Silty Clay, tan brown, moist, stiff trace rootlets (Qls).
		Total depth 11 feet No free ground water encountered
TP-55	0-3	Silty Clay, dark brown to black, moist, very stiff, high plasticity.
	3-10	Silty Clay, tan brown, moist, stiff, trace rootlets concentrated at approximately 7 to 9 feet.
		Total depth 10 feet No free ground water encountered
TP-56	0-2½	Silty Clay, dark brown to black, moist, very stiff, high plasticity.
	2½-4	Siltstone, olive gray, highly weathered, friable, highly fractured to crushed.
	4-9	Siltstone, gray, moderately weathered, weak, moderately fractured, trace caliche, trace fine gravel.
		Total depth 9 feet No free ground water encountered

Job No. 2328.101
Dolworthy East Property
Danville, California

TEST PIT LOGS

Test Pit Number	Depth (Feet)	Description
TP-57	0-1½	Silty Clay, dark brown to black, moist, very stiff, high plasticity.
	1½-6	Siltstone, gray, moderately weathered, weak, moderately fractured, trace caliche, trace fine gravel.
		Total depth 6 feet No free ground water encountered
TP-58	0-6	Silty Clay, dark brown to black, moist, very stiff, high plasticity (Qls).
	6-8	Silty Clay, tan brown, moist, stiff (Qls).
	8-13	Silty Clay, gray, moist, soft, siltstone fragments (Qls).
		Total depth 13 feet Free ground water encountered at 9 feet
TP-59	0-3	Silty Clay, dark brown to black, moist, very stiff, high plasticity.
	3-9	Siltstone, olive gray, highly weathered, friable, highly fractured to crushed, trace caliche. Clay seam oriented N65E 44SE.
		Total depth 9 feet No free ground water encountered
TP-60	0-2	Silty Clay, dark brown to black, moist, very stiff, high plasticity.
	2-5½	Sandstone, olive to gray, moderately weathered, weak, moderately fractured, trace caliche, sharp contact N55E 51NW.
	5½-7	Siltstone, olive gray, highly weathered, friable, highly fractured to crushed, trace caliche.
		Total depth 7 feet No free ground water encountered

Job No. 2328.101
Elworthy East Property
Danville, California

TEST PIT LOGS

Test Pit Number	Depth (Feet)	Description
TP-61	0-1½	Silty Clay, dark brown to black, dry, very stiff, high plasticity.
	1½-6	Sandstone, olive to gray, moderately weathered, weak, moderately fractured, trace caliche.
		Total depth 6 feet No free ground water encountered
TP-62	0-3	Silty Clay, dark brown to black, moist, very stiff, high plasticity.
	3-7	Siltstone, olive gray, highly weathered, friable, highly fractured to crushed, some caliche.
		Total depth 7 feet No free ground water encountered
TP-63	0-2½	Silty Clay, dark brown to black, moist, very stiff, high plasticity.
	2½-7	Siltstone, gray, moderately weathered, weak, moderately fractured, some caliche, trace fine gravel.
		Total depth 7 feet No free ground water encountered
TP-64	0-4	Silty Clay, dark brown to black, moist, very stiff, high plasticity (Qc).
	4-12	Silty Clay, tan brown, moist, stiff, shrink-swell slicks, some deeply weathered bedrock, trace caliche, trace gravel (Qc).
		Total depth 12 feet No free ground water encountered
TP-65	0-2½	Silty Clay, dark brown to black, moist, very stiff, high plasticity.
	2½-3½	Silty Clay, dark brown to black, moist, very stiff, sandstone fragments.
	3½-8	Siltstone, gray, moderately weathered, weak, moderately fractured, trace caliche, trace fine gravel.
		Total depth 8 feet No free ground water encountered

Job No. 2328.101
Elworthy East Property
Danville, California

TEST PIT LOGS

Test Pit Number	Depth (Feet)	Description
TP-66	0-8	Silty Clay, dark brown to black, moist, very stiff, high plasticity (Qc).
	8-12	Siltstone, gray, moderately weathered, weak, moderately fractured, some caliche, trace fine gravel.
		Total depth 12 feet No free ground water encountered
TP-67	0-3	Silty Clay, dark brown to black, moist, very stiff, high plasticity.
	3-5	Siltstone, gray, moderately weathered, weak, moderately fractured, trace caliche, trace fine gravel.
	5-9	Claystone, olive brown, highly weathered, friable, highly fractured, some caliche.
		Total depth 9 feet No free ground water encountered
TP-68	0-3	Silty Clay, dark brown to black, moist, very stiff, high plasticity.
	3-8	Claystone, olive brown, highly weathered, friable, highly fractured, some caliche.
		Total depth 8 feet No free ground water encountered
TP-69	0-3	Silty Clay, dark brown to black, moist, very stiff, high plasticity.
	3-8	Siltstone, olive gray, highly weathered, friable, highly fractured to crushed, trace caliche.
		Total depth 8 feet No free ground water encountered
TP-70	0-6	Silty Clay, dark brown to black, moist, very stiff, high plasticity.
	6-10	Siltstone, gray, moderately weathered, weak, moderately fractured, trace caliche, trace fine gravel.
		Total depth 10 feet No free ground water encountered

Job No. 2328.101
Elworthy East Property
Danville, California

TEST PIT LOGS

Test Pit Number	Depth (Feet)	Description
TP-71	0-5	Silty Clay, dark brown to black, moist, very stiff, high plasticity.
	5-9	Claystone, olive brown, highly weathered, friable, highly fractured, abundant caliche.
		Total depth 9 feet No free ground water encountered
TP-72	0-5	Silty Clay, dark brown to black, moist, very stiff, high plasticity (Qls).
	5-14	Silty Clay, tan brown, moist, stiff (Qls).
		Total depth 14 feet No free ground water encountered
TP-73	0-4	Silty Clay, dark brown to black, moist, very stiff, high plasticity (Qls).
	4-9	Silty Clay, tan brown, moist, stiff (Qls).
	9-13	Tuff, olive to gold, moderately weathered, occasionally fractured.
		Total depth 13 feet No free ground water encountered



ENGEO
Expect Excellence

E.3 - Geotechnical Peer Review Final Letter

THIS PAGE INTENTIONALLY LEFT BLANK

Stevens Ferrone & Bailey
Engineering Company, Inc

Geotechnical Engineering
Engineering Geology
Storm Water Management
Construction Observation & Testing Services

September 16, 2025

Mr. David Crompton, Chief of Planning
Town of Danville
500 La Gonda Way
Danville, CA 94526

Re: Geological and Geotechnical Peer Review #2
Elworthy East (Martin Hills Ranch), Tract 9679 – Town of Danville, California
SFB Project No.: 1103-2

Mr. Crompton:

In accordance with your request, Stevens, Ferrone & Bailey Engineering Company, Inc. (SFB) has performed a geological and geotechnical peer review of the following provided documents with regard to the proposed Elworthy East (Martin Hills Ranch) residential development (Tract 9679) in Danville California:

1. Engeo, 2024, Geotechnical Exploration, Elworthy East Property, Danville, California, Project No. 24441.000.001, February 28;
2. CBG, 2024, Vesting Tentative Map, Martin Hills Ranch, Town of Danville, Contra Costa County, California, Job No. 2107-030, August 20; and
3. Engeo, 2025, Response to Peer Review Comments, Martin Hills Ranch (Elworthy East property), Danville, California, Project No. 24441.000.001, August 21.

Previously, SFB provided initial peer review comments in our letter dated July 31, 2025. For details regarding our initial peer review, please see our letter dated July 31, 2025.

This letter provides the results of our review of Document #3 (Engeo, 2025). As part of our recent work, we participated in a teleconference with Engeo on Thursday, September 11, 2025, to discuss Engeo's responses to our initial peer review comments.

Our initial review resulted in fifteen comments. It is our opinion that Engeo adequately responded to our fifteen comments in their letter dated August 21, 2025, and that their responses achieved the standard of care typically practiced by geotechnical engineers and geologists in the Danville, California, area. We recommend Engeo's letter dated August 21, 2025 be incorporated into the project documents, including Engeo's Corrective Grading Plan (Figure 1 from Engeo's letter) for

the project. Thus, we recommend the supplemental recommendations provided in Engeo's response letter be followed during the design and construction of the project.

The following comments should be taken into consideration during the planning and permitting process for the project.

Slope Surface Drainage: As stated in Engeo's response to SFB's Comment 7, it is Engeo's opinion that the major 3:1 (horizontal:vertical) cut and fill slopes at the project will perform very well without the need for terracing or surface drainage on the slope face even if the slopes have vertical heights as great as 100 feet. Engeo bases this opinion on their experience with completed graded slopes in the residential developments of Dougherty Valley (San Ramon) and at Magee Preserve (Danville), and also upon the results of their investigation work at the project. It is not uncommon for high 3:1 slopes to experience erosion, rutting, and gully formation, especially during or after intense rainfall events. In addition, it is not uncommon for highly plastic clay soils, such as those at the project, to experience downslope creep in response to cycles of wetting and drying.

Geologic Hazard Abatement District (GHAD): Several of Engeo's responses to our peer review comments depend upon the project being annexed into an existing GHAD including establishing a Plan of Control and Engineer's Report for the project.

This review has been performed to provide technical advice to assist Town of Danville with its discretionary planning and permitting decisions. Our services have been limited to an independent review of the referenced project geotechnical report, vesting tentative map, and responses to our initial peer review comments. Our opinions and conclusions are made in accordance with generally accepted principles and practices of the geological and geotechnical engineering profession.

If you have any questions or need additional information, please contact me.

Sincerely,

Stevens, Ferrone & Bailey Engineering Company, Inc.









Kenneth C. Ferrone, P.E., G.E., C.E.G.
Civil/Geotechnical Engineer
Certified Engineering Geologist

Copies: Addressee (by email)

E.4 - Response to Peer Review Comments

THIS PAGE INTENTIONALLY LEFT BLANK

Project No.
24441.000.001

August 21, 2025

Mr. Scott Stringer
Bates Stringer Martin Hills Ranch, LLC
875 Orange Blossom Way
Danville, CA 94526

Subject: Martin Hills Ranch (Elworthy East Property)
Danville, California

RESPONSE TO PEER REVIEW COMMENTS

References:
1. ENGEO. 2024. Geotechnical Exploration, Elworthy East Property, Danville, California. February 28, 2024. Project No. 24441.000.001.
2. Stevens Ferrone & Bailey Engineering Company, Inc. 2025. Geological and Geotechnical Peer Review, Elworthy East (Martin Hills Ranch), Tract 9679 – Town of Danville, California. July 31, 2025. SFB Project No.:1103-2.

Dear Mr. Stringer:

We are pleased to provide the following response to comments for the Martin Hills Ranch project in Danville, California. For our use, we were provided with a Geological and Geotechnical Peer Review (Reference 2) by Stevens Ferrone & Bailey (SFB), peer reviewer for the Town of Danville, dated July 31, 2025. For completeness of the record, we restate or paraphrase SFB's comments in *italics*, followed by our responses.

Comment 1
Existing Landslides: *Most of the site is located within a CGS Earthquake-induced Landslide Hazard Zone (2024). On Plate 1.2 of the Seismic Hazard Zone Report of Diablo Quadrangle (CGS, 2024), a massive landslide is shown covering most of the project planned development area. In addition, the same area is mapped by Davenport (1985) as having both defined and probable landslides.*

Bedrock below the site has been mapped by Graymer, et al. (1994) as part of the Miocene and Pliocene Green Valley and Tassajara Formations of Conduit (Tgvt), which generally consists of non-marine sandstone, siltstone, and conglomerate that generally dip toward the northeast at about 50 to 75 degrees in the region. This bedrock formation also commonly includes mudstone and claystone of very high plasticity as indicated by ENGEO' s laboratory testing of onsite surface and near-surface soils (which are reported by ENGEO to have Liquid Limits of about 57 to 64 and Plasticity Indices of about 43 to 47). The mudstone and claystone in the region are known to be highly susceptible to slope instability such as landsliding and surface creeping. Both small and large landslides had been reported to occur in this bedrock formation, including several known past slope failures within nearby subdivisions both during grading and/or years after completion of grading.

It appears ENGEO's report only identified and investigated the smaller landslides located within the one of the onsite drainage swales; however, the much larger possible landslide as mapped by Davenport at the southeastern corner of the site was not discussed or evaluated. Detailed field exploration and slope stability analyses should be performed to evaluate the existence and extent of this possible large landslide and its impacts on the project development. A supplemental report should be prepared addressing the Davenport mapped landslides.

ENGEO Response to Comment 1

As part of our geotechnical exploration for the proposed development, we reviewed published geologic maps, landslide maps, and historical aerial images including stereoscopic aerial photographs of the site. We also performed a detailed review of previous exploration work performed by Berlogar Geotechnical Consultants (BGC) in 1999, and performed our own geotechnical exploration of the site including test pits and borings in 2023.

Previous exploration of the site by BGC in 1999 included a trench (T-1) across a subtle topographic break in slope that BGC thought at the time could be the indicative of a deep-seated landslide at the southeastern portion of the site, and at the location of the possible landslide mapped by Davenport (1986). BGC reported encountering a continuous exposure of bedrock within the long trench with no evidence of the suspected landslide. Based on the findings, BGC concluded that the suspected landslide did not exist.

We performed our own evaluation of the suspected landslide starting with a review of aerial images and stereoscopic aerial photographs. Based on our review of aerial images, we were able to observe lineations that we interpret as bedding trending northwest across the mapped landslide. We also drilled two borings (Borings 1-B2 and 1-B3) along the lower extents of the mapped possible landslide. Both borings encountered very high to refusal blow counts within the bedrock. Both BGC's and ENGEO's test pits excavated in the area of the possible landslide mapped by Davenport encountered bedrock that did not appear to be dilated, jumbled, or displaced by landslide movement. Based on BGC's and ENGEO's findings, we conclude that the suspected landslide at the southeast portion of the site does not exist.

Comment 2

Existing Geologic Impacts Beyond Site Limits*: Figure 2 of the ENGEO report shows ENGEO's mapped geology within the site limits but does not include geologic mapping beyond the site limits, including landslides that exist beyond the site limits but impact the site. To better understand the impacts of offsite landsliding and other slope instability that affect the site, geologic mapping should extend beyond the site limits using interpretive techniques (and, if possible, gaining access from the neighboring property owners). These offsite impacts to the site should be taken into account in analyses including future open space responsibilities. For instance, in the northwest corner of the site, offsite landsliding extends into the site and impacts the neighbor along Borica Drive. Other offsite impacts may affect the planned development and should be addressed in a supplemental report.*

ENGEO Response to Comment 2

As a general practice, and due to legal reasons and unknown grading conditions beyond the project limits, we do not attempt to map geology and geologic hazards beyond the property limits especially in areas that have previously been developed. The current development plan does not include any grading or improvements in the northwest area of the site. In addition, it is our understanding that the project site will be annexed into an existing Geologic Hazard Abatement District (GHAD). As a result, it is our opinion that the current level of mapping provides adequate information for the GHAD to understand future open space responsibilities at the site.

Comment 3

Slope Stability Analyses: *Computer-aided slope stability analyses were performed by ENGEO for two cross-sections (Section A-A' and Section B-B') where an existing swale is located and the deepest fill is planned. Other areas of the proposed development were not evaluated, such as the planned cut into the mapped landslide deposits at the access road entry from Como Way and the proposed fill slopes on the possible large landslide at the southeastern site comer. It also appears unique/novel shear strengths (such as the use of specific combinations of cohesion and friction angles) were selected by ENGEO in their analyses for engineered fill, soil, and bedrock materials without detailed discussions of the basis for their selection of these shear strength parameters.*

In order to adequately address the site's slope stability hazards and, possibly, offsite hazards, additional cross-sections that represent the geologically or geotechnically critical areas of the development should be developed and included in slope stability analyses. The cross-sections should also take into account the proposed new structures and improvements, any landslide and/or unstable soils that will be left in place below and/or adjacent to the development area, and any proposed remedial grading measures. The analysis methodologies, selection of soil and rock engineering properties, and results of the analyses should be properly documented in a supplemental report with support of the analysis program result printouts as well as laboratory strength testing results of the engineered fill, soil, and rock materials. The widely-accepted slope stability analysis procedures recommended by Southern California Earthquake Center (SCEC, 2002) should be followed for analyses under both static and seismic (or pseudo-static) conditions. Where necessary, estimates of magnitude of slope movements should be analyzed and results presented.

ENGEO Response to Comment 3

We developed additional cross sections in critical areas as requested and conducted slope stability analysis of these cross sections (Cross Sections H-H’ and I-I’). The locations of these cross sections are shown on the Corrective Grading Plan for the project. The slope stability results are provided in Appendix A. Since the mapped probable landslide is considered non-existent, we do not think a cross section through that specific area will be necessary.

Our soil strength parameters are based on the soil data collected from nearby sites.

For the nearby project sites, such as Canyon Lakes, Gale Ranch, and Windemere located south of the subject site, we used a cohesion (c’) of 500 psf and a friction angle (ø’) of 18 degrees in slope stability analysis for general fill material, based on laboratory testing on similar soil materials. Graded fill slopes that utilized the same soil parameters in previous slope stability analyses have performed adequately since the 1980s.

We previously performed shear strength testing on a remolded soil sample derived from a similar bedrock unit collected from a nearby site, Magee Preserve, located north of the project site. The shear strength parameters for engineered fill derived from bedrock are based on the results of the shear strength testing (test results attached).

In addition, we conducted shear strength testing on a clayey soil sample collected from a site, Windemere, that contains similar native clayey soil materials. The test results are also attached.

Bedrock strength was developed using the Generalized Hoek-Brown shear-normal function and then converted to an equivalent Mohr Coulomb shear strength.

TABLE 1 - Summary Generalized Hoek-Brown Input Parameters

MATERIAL	UCS (intact) (ksf)	GSI	INTACT ROCK CONSTANT	DISTURBANCE FACTOR
Bedrock (Tgvt)	15	40	7	0

TABLE 2 - Hoek-Brown Criterion and Equivalent Mohr-Coulomb

MATERIAL	MB	S	A	C	PHI
Bedrock (Tgvt)	0.8212	0.0013	0.5114	700	22

Special Publication 117A "Guidelines for Evaluating and Mitigating Seismic Hazards in California" (CGS, 2008a) is currently used in practice to evaluate seismic stability of slopes in California. In Note 48, which is used for Public Schools, Hospitals, and Essential Services Buildings, it advises the procedure recommended in SP117A in addition to using a design-level ground motion based on geometric mean and without risk coefficient (i.e. $PGA_M/1.5$). PGA_M was determined to be 1.02g in accordance with the 2022 CBC and ASCE 7-16. The PGA_M was then divided by 1.5 to yield a design-level PGA of 0.68g. SP117A states that slopes that have a pseudo-static factor of safety greater than 1.0 using a seismic coefficient derived from the screening analysis procedure of Stewart and others (2003) can be considered stable. The pseudo-static coefficient used was determined to be 0.26g based on 15 cm (approximately 6 inches) threshold of displacement as recommended by Stewart and others (2003).

In addition to the methodology provided by SP117A, we also performed a deformation analysis of Cross Section I-I' using the guidance of Report 611 by the National Cooperative Highway Research Program (NCHRP). NCHRP Report 611 was developed to provide a methodology in seismic design of embankments and slopes primarily for highway- and infrastructure-related projects. The report notes that for slope heights in excess of about 20 to 30 feet, the assumption that the critical failure surface responding as a rigid body response where the ground motion is equal throughout can be questioned. The report provides a summary of the results of seismic wave incoherence or scattering studies and provides a displacement-based approach. The important terms in the approach include peak ground acceleration coefficient (k_{max}), spectral acceleration at one second (S_1), slope height, and yield acceleration (k_y). The approach includes a reduction factor for slope height (α). The reduction factor reduces with slope height and is influenced by the shape of the response spectrum. The peak ground acceleration coefficient (k_{max}) is equal to the peak seismic coefficient at the ground surface; therefore, the response spectra developed for the project was used. We estimate a mean displacement of about 3 to 4 inches using the methodology of NCHRP Report 611.

To increase the factor of safety to a generally acceptable level for Cross Section I-I', we recommend backfilling the keyway with bedrock-derived engineered fill. Table 3 provides a summary of the results of our additional slope stability analysis.

TABLE 3: Summary of Results of Additional Slope Stability Analysis

FACTOR OF SAFETY		
LOCATION	STATIC	PSEUDOSTATIC SP117A method (0.26g)
Cross Section H-H'	2.0	1.2
Cross Section I-I'	1.8	1.0

In order to provide adequate slope stability of the planned graded slopes within the proposed development, our recommended corrective grading scheme includes complete removal of landslide, colluvial/alluvial deposits, and undocumented fill to competent material within the grading limit, and construction of buttress with a drained keyway system at the proposed graded slopes and building areas. In addition, subdrains will be installed within the drainage swales prior to fill placement. For the cut slope with adverse condition, we recommend rebuilding the cut slope with compacted fill with a subdrain system. Furthermore, a drained keyway will be constructed under a debris bench with v-ditch at the toe of graded uphill slopes to collect potential eroded soil material and to intercept storm water runoff from the uphill slope.

Comment 4
***Remedial Grading Plan**: ENGEO recommended a remedial grading plan be prepared for the project to clearly show their intended keyways, benches, cut/fill transition, subexcavations, and subdrains. The remedial grading plan should be based on the results of slope stability analyses and other standard geotechnical practices. This remedial grading plan should be included in submittal with the project grading and improvement plans.*

ENGEO Response to Comment 4
We concur and prepared a Corrective Grading Plan based on the current grading plans for the project. The attached Corrective Grading Plan shows the locations of recommended keyways, removal areas, cut slope rebuilds, subdrains, and geogrid reinforcement. In addition, cut and cut-fill transition lots were delineated on the plan, and subexcavations for differential fill lots were also depicted on the plan.

Comment 5
***Existing Landslide and Colluvial Deposits Beyond the Planned Development Area**: Several unstable landslide and colluvial deposits exist within the remaining undeveloped areas of the property. If required by the project, these areas should also be evaluated and proper mitigation measures should be implemented to reduce their impacts on neighboring properties and including existing roadways.*

ENGEO Response to Comment 5
Although we do provide mapping of the entire property, for common practices, mitigation of existing landslides or colluvial deposits located outside the proposed development or on open space will not be provided. We do, however, provide recommendations for mitigation of an area along the western property boundary that has impacted adjacent downslope properties in the past. This proposed mitigation is shown on the Corrective Grading Plan for the project.

Comment 6
***Geologic Hazard Abatement District (GHAD):** It is unclear if and what GHAD will assume the responsibility for inspecting, assessing, reporting, and mitigating open space geologic hazards for the property, the proposed development, and their impacts on neighboring properties, including several mapped landslides located upslope of existing roadways and residential lots as shown on Figure 2 of ENGEO's report. The duty and liability of the GHAD, HOA, or individual property owners should be clarified and disclosed to the involved parties, including the requirements to maintain undeveloped areas, constructed open space slopes, and debris benches and drainage ditches, and to mitigate several unstable slopes that are currently impacting and/or could potentially impact neighboring properties and possibly the planned individual lot owners.*

ENGEO Response to Comment 6
As discussed in our response to Comment 2, the proposed development will be annexed into an existing GHAD, and a Plan of Control and Engineer's Report will be prepared to outline the responsibilities of the GHAD for the Martin Hills Development.

Comment 7
Slope Surface Drainage: *The proposed project grading will significantly alter the site's slope configurations and drainage patterns. The newly constructed cut and fill slopes will be up to, respectively, about 100 feet and 75 feet high after grading. Without any mid-slope benches and ditches to control surface drainages and debris, these constructed slopes will be highly susceptible to downslope creep, erosion, slumping, and/or landsliding. Considerations should be given to providing slope bench/terrace and drainage ditches in accordance with Appendix J, Grading, of 2022 California Building Code. The mid-slope benches will also provide better access to perform future slope maintenance and potential repair.*

ENGEO Response to Comment 7
The proposed major cut and fill slopes are planned at an inclination of 3:1 (horizontal:vertical). Based on our experience with similar graded slopes in the site vicinity, it is our opinion that slopes with a gradient of 3:1 or flatter perform very well without the need for mid-slope benches. We do recommend a debris bench with a drainage ditch be constructed at the base of major graded slopes that are located above proposed residential lots to provide as a catchment area, for surface drainage collection, and as an access road for maintenance.

Comment 8
Subsurface Drainage: *ENGEO's report listed SKAPS Transnet TN220 as an equivalent to at least 18-inch-wide Caltrans Class 2 permeable material or clean crushed rock wrapped in filter fabric. We understand the SKAPS Transnet TN220 is a type of geonet (and is different from double-sided geocomposite sheet drain) and only has a thickness of 200 mil (or 0.2 inch). ENGEO should closely assess the In-Plane Flow Rate of the SKAPS Transnet TN220 compared to commonly accepted use of 18-inch-wide subdrains using Caltrans Class 2 permeable material, wrapped crushed rock, or double-sided geocomposite sheet drains and provide recommendations based on the what in-plane flow rate is needed. In addition, ENGEO's report states that subdrain facilities should include SDR35 subdrain pipe yet various possible subdrain pipes are listed in Table 4.7-1. ENGEO should provide clarification as to what type of subdrain pipe is to be used at the various subdrain locations* throughout the project. The type of subdrain pipe can be shown on a remedial grading plan.

ENGEO Response to Comment 8
Proposed subdrains are shown on the Corrective Grading Plan and the stiffness of the subdrain pipe required will be determined in the field during grading based on the burial depth of the pipe in accordance with Table 4.7-1 in our geotechnical report (Reference 1).

The toe keyway subdrain system will consist of a 6-inch drain pipe surrounded by 18-inch-wide drainage medium that consist of Class 2 permeable material or clean crushed rock wrapped in filter fabric. For the bench key, we recommend the 6-inch pipe be encapsulated in drainage medium in an 18-inch by 18-inch triangular wedge configuration with SKAPS Transnet TN220 extending from 18-inch wedge rock up the backcut of the keyway. We have previously evaluated the use of this product and have used it successfully on numerous projects in the vicinity of the site since the early 2000's.

Comment 9

Storm Drain Outfall at Drainage Swale/Creek: *Most of the project surface runoff collected by the new storm drain system will be piped toward a new headwall and riprap, which are to be constructed near the southeastern comer of the site and discharged toward the existing drainage swale or creek at a lower elevation. It is unclear if regulatory agencies such as Fish & Wildlife and/or regional water board has a jurisdiction of this existing drainage swale or creek. If required, any concerns form the regulatory agencies should be addressed and mitigated, and the resulting agency approval of the project should be documented. The storm drain outfall and riprap should be properly designed and constructed based on the anticipated volume and velocity of the discharged water.*

ENGEO Response to Comment 9

We expect the project will obtain permits from the California Department of Fish and Wildlife, the San Francisco Bay Regional Water Quality Control Board, and the U.S. Army Corps of Engineers. The storm drain outfall will likely be reviewed by all of these agencies during their review process given the location near jurisdictional waters. Any concerns from these agencies will be incorporated into the final project design. The storm drain outfall and riprap will be designed based on the anticipated volume and velocity of the stormwater discharge.

Comment 10

Fill Slope Settlement and Swell: *ENGEO stated in their report that the planned design fill of up to about 60 feet may settle or swell after the fills are subject to wetting due to landscaping irrigation and/or natural condition or drainage pattern changes. No estimated ground settlement or swell amount is provided in the ENGEO report. The foundation design engineer should be made aware of magnitudes of total and differential ground movements that may occur after construction. The foundation engineer should design the foundations to resist movements and reduce distress to the structures if needed. In addition, the magnitude of ground movements should be taken into account in the design and construction of improvements and also their impacts on future maintenance.*

ENGEO Response to Comment 10

As discussed in our geotechnical report (Reference 1), various compaction efforts and recommended moisture contents of the fill material were recommended for different depths, which are tailored to reduce the settlement of deep fill and swelling of shallow fill.

We monitored deep fills constructed with similar soil materials at the site vicinity for 23 years. Based on the monitoring results, fill material, up to 60 feet thick, compacted with a similar grading effort and moisture content, was observed to have settlements of up to approximately 1¼ inches. Swelling was observed in the upper 9 to 10 feet of fill, and vertical movement of the upper 10 feet was observed to be up to 1¾ inches.

To minimize differential fill movement below buildings, local subexcavation is recommended to limit differential fill thickness under individual buildings to be less than 10 feet. The recommended subexcavation elevation and location for each differential fill lot were depicted on the Corrective Grading Plan. In addition, to reduce the potential for significant differential swell characteristics across cut lots and cut-fill transition lots, subexcavation and recompaction are recommended for these types of lots. These types of lots are denoted on the Corrective Grading Plan.

Furthermore, the post-tensioned mat foundation is recommended in our geotechnical report as the preferred foundation system for residential buildings. According to Section 1808.6.2 of the 2022 California Building Code, post-tensioned mats constructed on expansive soils should be

designed using PTI DC 10.5 (by Post-Tensioning Institute, PTI). PTI methodology considers the upper 9 feet of expansive soil for swelling and shrinkage due to a change in moisture content after construction. Therefore, the anticipated vertical movement of the shallow expansive fill will be incorporated in the structural design of the post-tensioned mat foundation.

Comment 11
2022 CBC Site Class: *It appears "D-default" was incorrectly used for the project site (as suggested by the Fa and Fv values listed in Table 3.2-1 of ENGEO's report). The site class should be based on the site subsurface conditions after the proposed grading, which are likely to be Site Class D (not Default "D") and/or C.*

ENGEO Response to Comment 11
The proposed grading of the site will result in lots with cuts of up to approximately 40 feet deep and lots with fill of up to approximately 55 feet thick. As a result, some lots will contain bedrock at the pad surface, and some of the lots will have thick fill over colluvium/alluvium of total to nearly 80 feet thick. Site Class D-Default is considered conservative as it envelops both Site Classes C and D; therefore, both fill and cut situations are accounted for.

Comment 12
Project Design and Plan Review: *The project Geotechnical Engineer of Record (GER) should review grading, improvement, and foundation plans (and calculations) for the project and provide recommended modifications to the plans based on the GER's reports and documented recommendations.*

ENGEO Response to Comment 12
We concur and will review grading, improvement, and foundation plans for the project. Our plan reviews will be documented for the project.

Comment 13
Construction Observation and Testing: *The project Geotechnical Engineer of Record (GER) should provide observation and testing services during the construction of the project to observe, test, and document the construction for the purpose of confirming that the GER's recommendations are being implemented as planned/intended, and to also provide supplemental recommendations if conditions are encountered that differ than what was anticipated during the design phase.*

ENGEO Response to Comment 13
We concur.

Comment 14
Grading and Construction Records: *At the conclusion of grading and improvement installation, the project Geotechnical Engineer of Record (GER) should provide a report that provides a summary of the performed construction work, a description of all recommendations that were made to supplement or modify the GER's initial design recommendations, all daily field reports, the results of all testing, and conclusions regarding the observed construction, namely if the observed work was performed in accordance with the GER's recommendations and the approved plans and specifications. As-built plans and maps should be prepared during the construction to accurately document locations and elevations of mitigation measures such as keyways, subdrains, surface drainage features, and any other remedial measure. The as-built plans and maps should be prepared by the project's surveyor with input from the GER.*

ENGEO Response to Comment 14

After the mass grading is complete, we will prepare a testing and observation letter to summarize our observation results of the grading activities and any supplemental grading recommendations, and to report compaction test results. Typically, the locations and elevations of the keyways, subdrains, and subexcavation areas will be surveyed by the site contractor using a global positioning system (GPS). We will utilize the GPS data obtained from the contractor and prepare an as-built grading plan to include the locations of keyways, subdrains, and subexcavation areas, and to show mapped geologic conditions.

Comment 15

Slope and Drainage Maintenance: *Due to the critical need for long-term slope stability and maintenance at the project site after construction, a Slope Monitoring and Maintenance Plan should be prepared by a licensed Civil Engineer and implemented after construction. The plan should include periodic inspection of project drainage features and slopes within common and private areas. Inspections should be performed for features such as slopes (tops, faces, and toes), abutments, fills, vegetation, subdrain cleanouts and outlets, seepage, ditches and catch basins, storm drain outlets, and retaining structures. Any observed distress or unusual features should be immediately repaired or investigated until mitigated.*

ENGEO Response to Comment 15

It is our understanding that long-term open-space monitoring and maintenance will be performed by the GHAD. The Plan of Control from GHAD typically includes protocols for open-space monitoring, maintenance, and repair responsibilities. The developer/client, Bates Stringer Martin Hills Ranch, LLC, has authorized us to commence with the GHAD annexation process including preparation of Plan of Control, and assessment procedure.

If you have any questions or comments regarding this letter, please contact us and we will be glad to discuss them with you.

Sincerely,

ENGEO Incorporated

CERTIFIED ENGINEERING GEOLOGIST
J. BROOKS RAMSDELL
No. 2356
STATE OF CALIFORNIA

J. Brooks Ramsdell, CEG

REGISTERED PROFESSIONAL ENGINEER
MACY M.S. TONG
No. 2300
GEOTECHNICAL
STATE OF CALIFORNIA

Macy Tong, GE

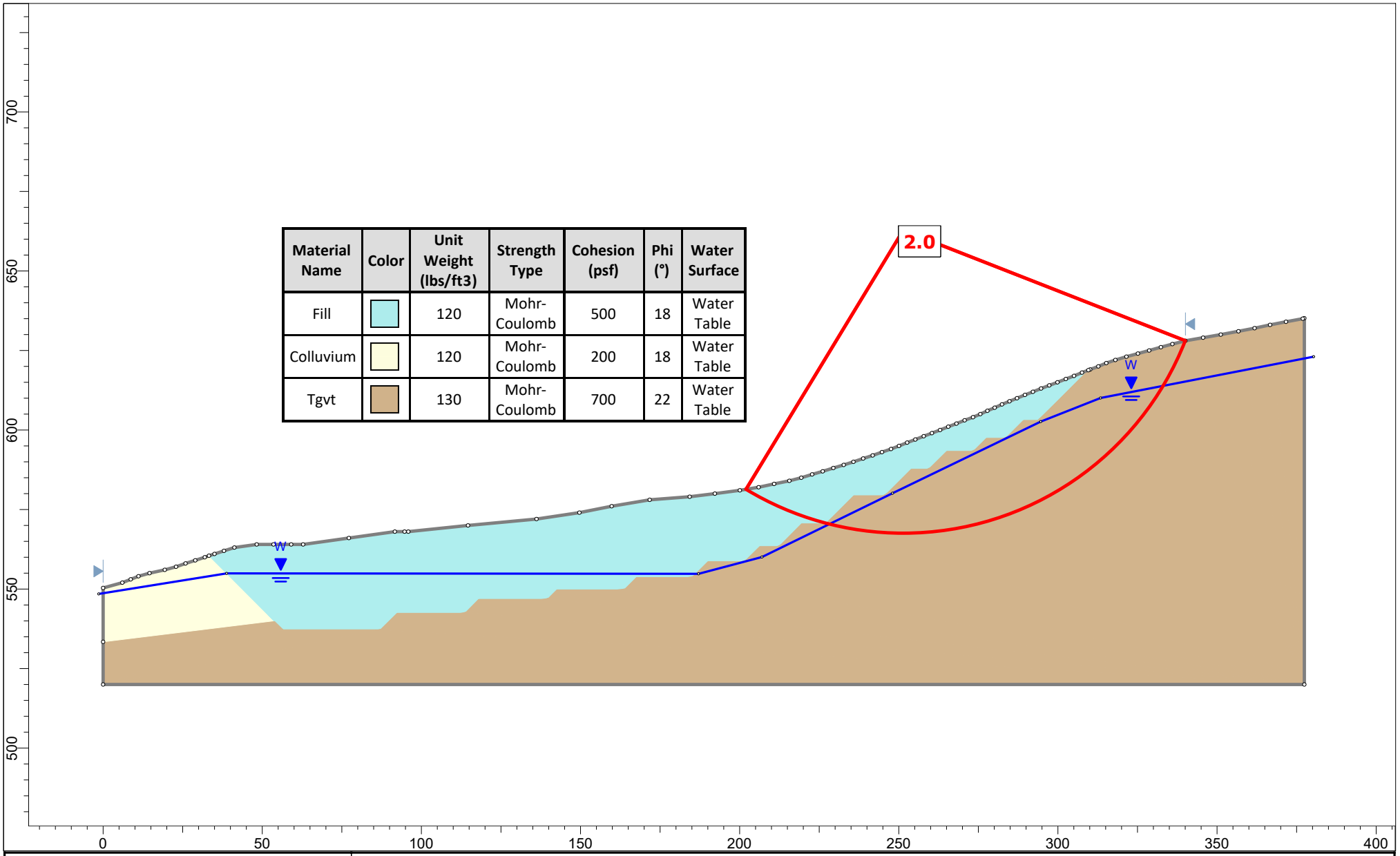
jbr/mt/ca

Attachments: Slope Stability Analysis and Laboratory Test Result
Corrective Grading Plan

SLOPE STABILITY ANALYSIS AND LABORATORY TEST RESULTS

24441.000.001
August 21, 2025

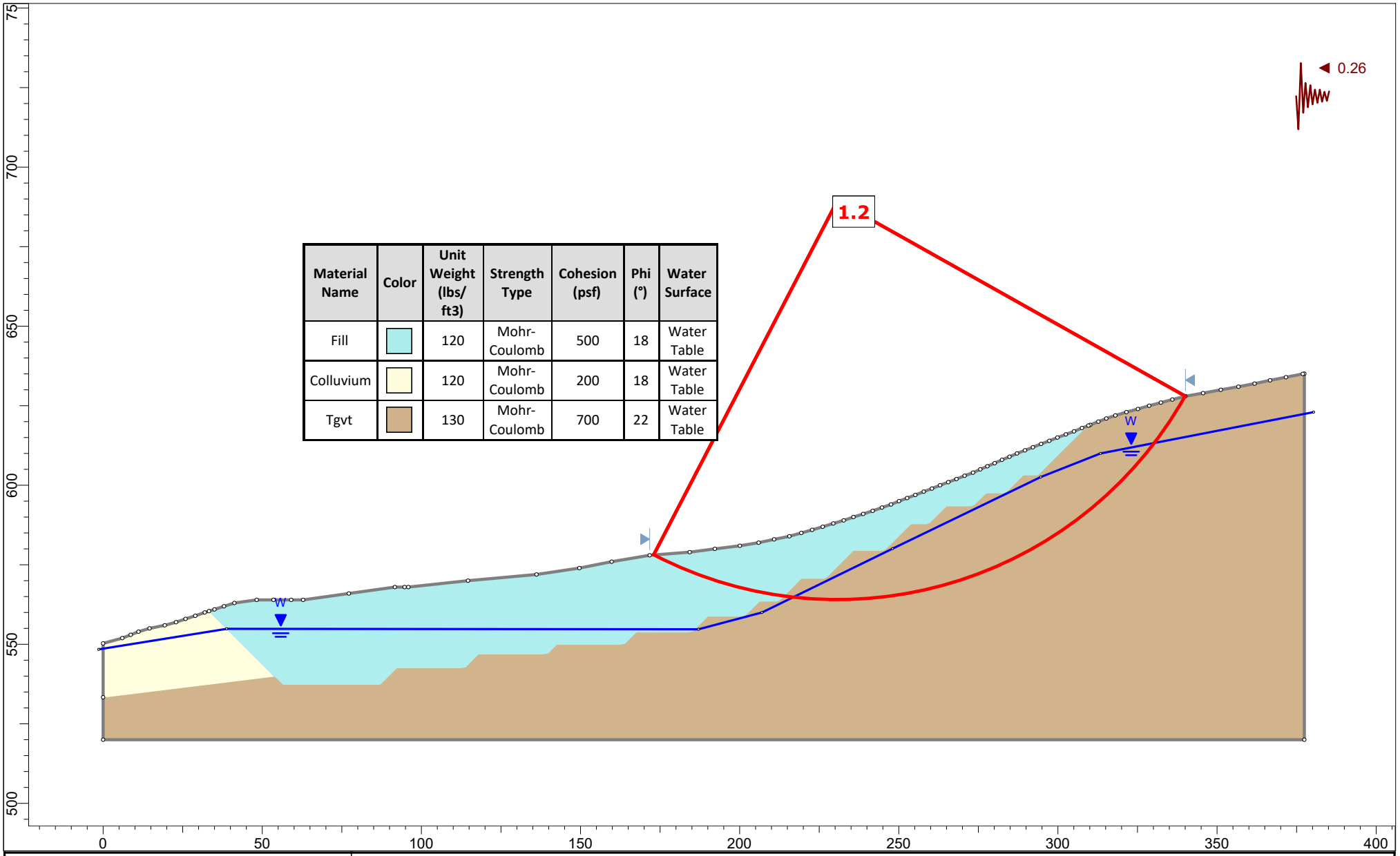
Material Name	Color	Unit Weight (lbs/ft3)	Strength Type	Cohesion (psf)	Phi (°)	Water Surface
Fill		120	Mohr-Coulomb	500	18	Water Table
Colluvium		120	Mohr-Coulomb	200	18	Water Table
Tgvt		130	Mohr-Coulomb	700	22	Water Table



ENGEO
Expect Excellence

SLIDEINTERPRET 9.035

Project	Cross Section H-H'		
Analysis Description	Static		
Drawn By	B. Ramsdell	Scale 1:500	Company ENGEO
Date	8/6/2025, 4:21:53 PM		File Name Section H.slmd



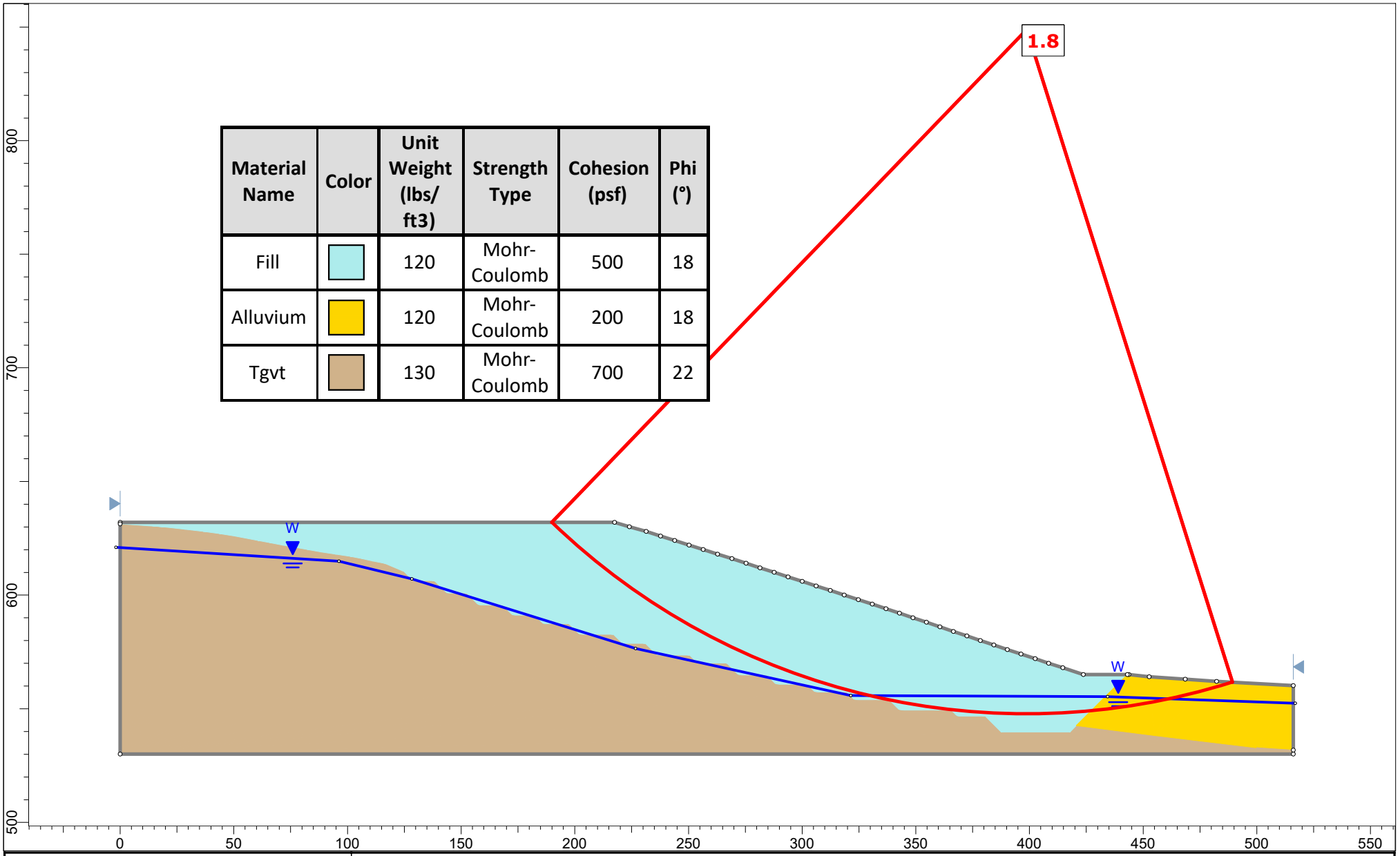
Material Name	Color	Unit Weight (lbs/ ft3)	Strength Type	Cohesion (psf)	Phi (°)	Water Surface
Fill		120	Mohr-Coulomb	500	18	Water Table
Colluvium		120	Mohr-Coulomb	200	18	Water Table
Tgvt		130	Mohr-Coulomb	700	22	Water Table

ENGEO
Expect Excellence

SLIDEINTERPRET 9.035

Project	Cross Section H-H'		
Analysis Description	Seismic		
Drawn By	B. Ramsdell	Scale 1:500	Company ENGEO
Date	8/6/2025, 4:21:53 PM		File Name Section H Seismic.slmd

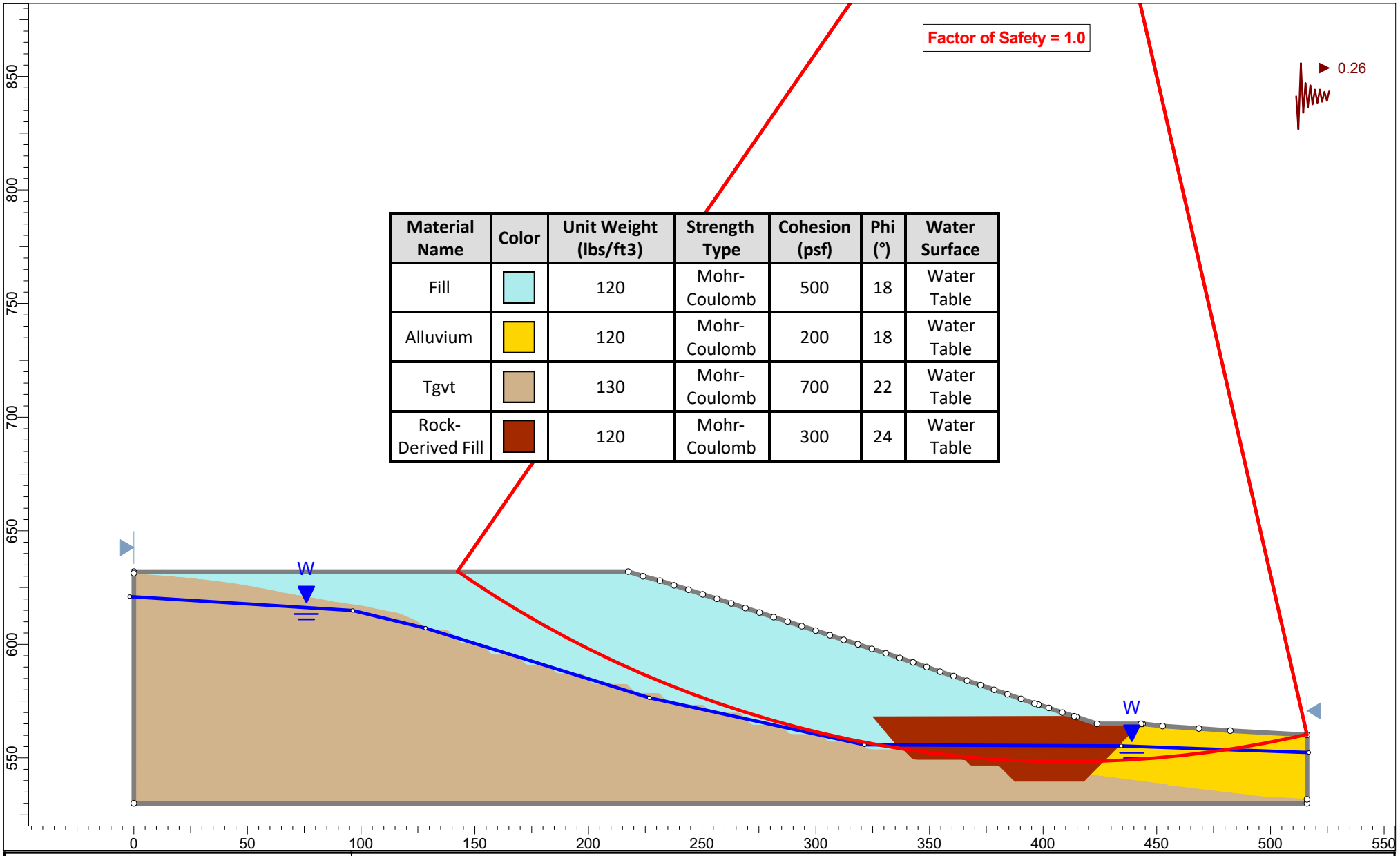
Material Name	Color	Unit Weight (lbs/ ft3)	Strength Type	Cohesion (psf)	Phi (°)
Fill		120	Mohr-Coulomb	500	18
Alluvium		120	Mohr-Coulomb	200	18
Tgvt		130	Mohr-Coulomb	700	22



ENGEO
Expect Excellence

SLIDEINTERPRET 9.035

Project	Cross Section I-I'		
Analysis Description	Static		
Drawn By	B. Ramsdell	Scale 1:700	Company ENGEO
Date	8/6/2025, 4:45:36 PM		File Name Section I.slmd



Material Name	Color	Unit Weight (lbs/ft3)	Strength Type	Cohesion (psf)	Phi (°)	Water Surface
Fill		120	Mohr-Coulomb	500	18	Water Table
Alluvium		120	Mohr-Coulomb	200	18	Water Table
Tgvt		130	Mohr-Coulomb	700	22	Water Table
Rock-Derived Fill		120	Mohr-Coulomb	300	24	Water Table

ENGEO
Expect Excellence

SLIDEINTERPRET 9.035

Project	Cross Section I-I'			
Analysis Description	Seismic			
Drawn By	B. Ramsdell	Scale	1:700	Company ENGEO
Date	8/6/2025, 4:45:36 PM			File Name Section I Seismic.slmd

EN GEO

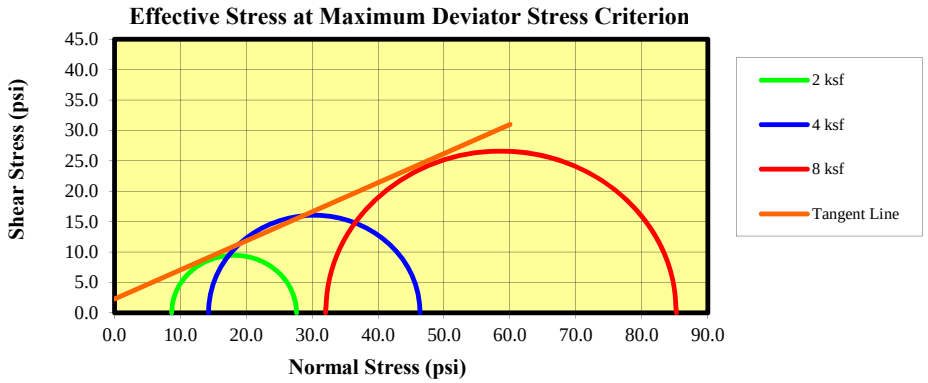
Consolidated Undrained Triaxial Test (ASTM D4767)

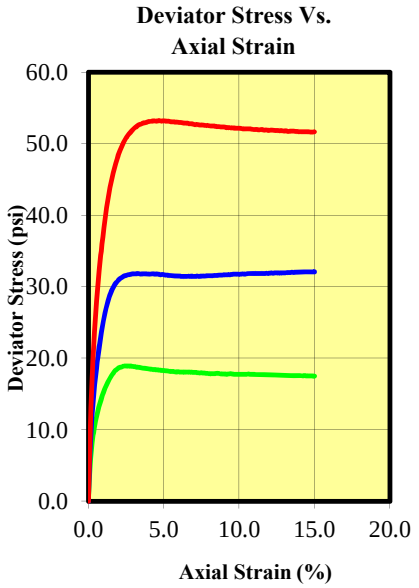
Date: 10.23.13

Checked By: P. Stuecheli

Date: 10.23.13

Tested By: D. Seibold



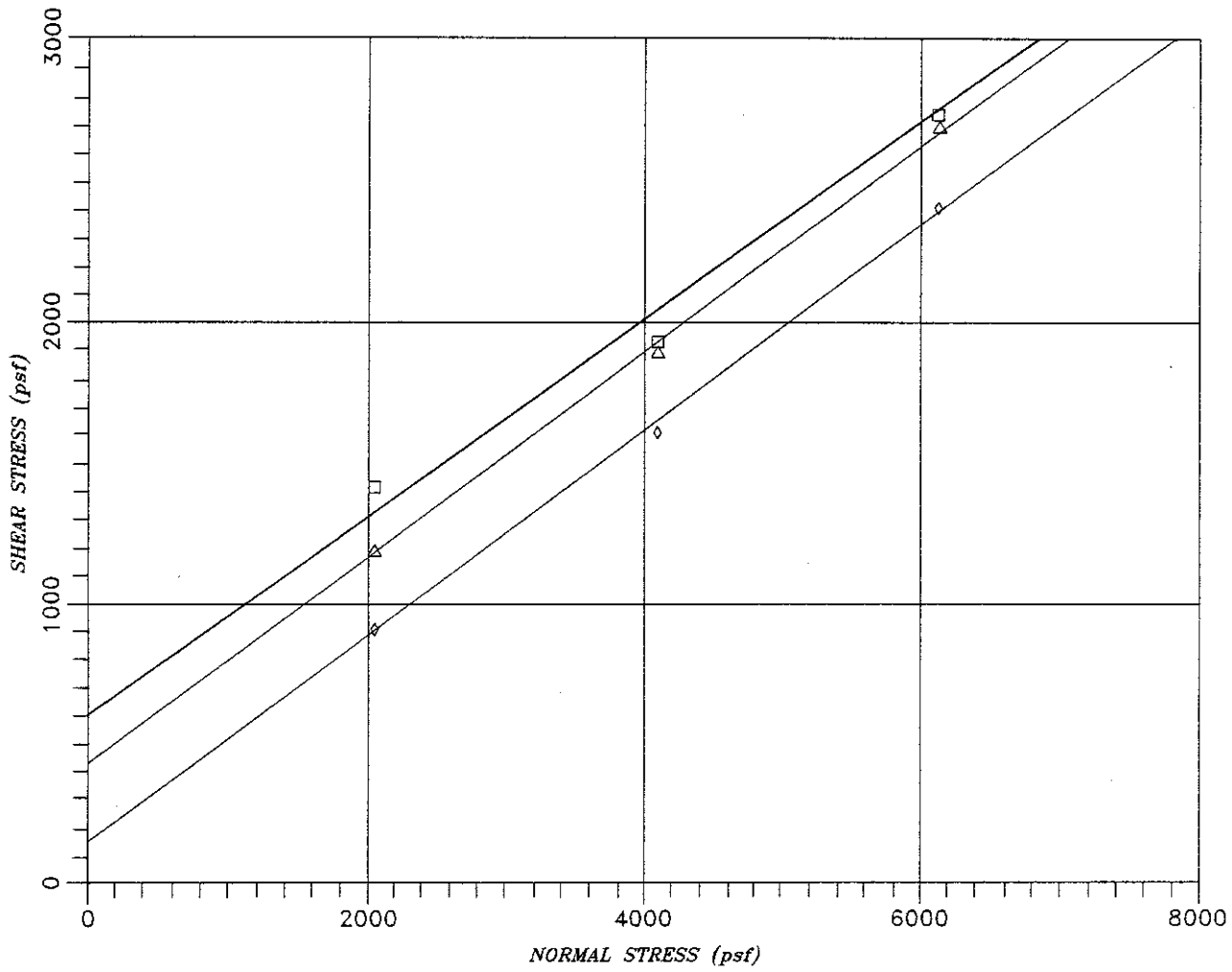


Maximium Deviator Stress Criterion	
C (psi)	3.4
C' (psi)	2.6
Ø (deg)	16.9
Ø' (deg)	25.6

Initial	2 ksf	4 ksf	8 ksf	
Height-to-Diameter Ratio	2.084	2.071	2.075	
Water Content (%)	18.5	18.5	18.3	
Dry Density (pcf)	101.3	102.0	102.0	
Saturation (%)	77.28	78.66	78.06	
Void Ratio	0.631	0.620	0.620	
Diameter (in)	2.419	2.419	2.419	
Height (in)	5.040	5.010	5.020	
Specific Gravity	2.650	2.650	2.650	
Liquid Limit	35	35	35	
Plastic Limit	20	20	20	
After Consolidation	**2 ksf**	**4 ksf**	**8 ksf**	
B-Value	0.98	0.97	0.97	
Water Content (%)	27.39	26.17	21.01	
Dry Density (pcf)	102.44	104.49	108.42	
Saturation (%)	100.00	100.00	100.00	
Void Ratio	0.615	0.583	0.526	
Effective Stress (psi)	13.9	27.8	55.6	
Back Press. (psi)	49.7	51.0	48.7	
Rate of Strain	0.0007	0.0007	0.0007	
Height-to-Diameter Ratio	2.095	2.063	2.069	
After Shear	**2 ksf**	**4 ksf**	**8 ksf**	
σ'1 at Failure (psi)	27.60	46.34	85.24	
σ'3 at Failure (psi)	8.66	14.24	32.00	
t_{50}	0.50	N/A	N/A	
t_{90}	0.90	0.59	0.59	

Project:	Magee Ranch Prelim GeoRecon Water ESA				
Location:	Danville, California				
Project Number:	8889.000.000	N/A	N/A	N/A	N/A
Boring Number:	2-dc-1				
Sample Number:	Composite_2-dc-1				
Depth:					
Sample Type:	Remolded	Failure Photographs			
Description:	See exploration logs				
Test Type	Consolidated Undrained				
Remarks	Specimens were remolded to 90% compaction at 3% over OMC.				

COPYRIGHT © 1995 BY ENGEO INCORPORATED. THIS DOCUMENT MAY NOT BE REPRODUCED IN WHOLE OR IN PART BY ANY MEANS WHATSOEVER, NOR MAY IT BE QUOTED OR EXCERPTED WITHOUT THE EXPRESS WRITTEN CONSENT OF ENGEO INCORPORATED.



	FRICTION ANGLE	COHESION
PEAK	20 DEGREES	600 psf
SOFTENED	20 DEGREES	433 psf
RESIDUAL	20 DEGREES	152 psf

SAMPLE: B4-5

DRY DENSITY (pcf): 99.9
MOISTURE CONTENT (%): 26.0
CLASSIFICATION: CH
SHEAR TYPE: CU
SHEAR RATE: SLOW

ASTM D3080

ENGEO INCORPORATED

DIRECT SHEAR TEST
WINDEMERE
CONTRA COSTA COUNTY, CALIFORNIA

JOB NO.: 2581-W7
DATE: NOVEMBER 1995
DRAWN BY: CHECKED BY: MT

FIGURE NO. 76

CORRECTIVE GRADING PLAN

24441.000.001
August 21, 2025

SEE FIGURE 4 FOR KEYWAY K-9 NEAR 432 CORTE DORADO

Qls
Tgvt
Qls
Qls
Qls
Qc
Qc
Qc
Qc
Qc
Qc
Qc
Qc
Qls
Qls
Qls
Tgvt
Tgvt
Qaf
Qal
Qal

A
A'
B
B'
C
C'
D
D'
E
E'
F
F'
H
H'
I
I'
T-1
T-2

2-TP8
2-TP7
2-TP9
2-TP5
2-TP6
2-TP4
2-TP2
2-TP3
2-TP1
1-TP01
1-TP02
1-TP03
1-TP04
1-TP05
1-TP06
1-TP07
1-TP08
1-TP09
1-C1
B-1
1-B1
1-B2
1-B3

TP-1 TP-2 TP-3 TP-4 TP-5 TP-6 TP-7 TP-8 TP-9 TP-10 TP-11 TP-12 TP-13 TP-14 TP-15 TP-16 TP-17 TP-18 TP-19 TP-20 TP-21 TP-22 TP-23 TP-24 TP-25 TP-26 TP-27 TP-28 TP-29 TP-30 TP-31 TP-32 TP-33 TP-34 TP-35 TP-36 TP-37 TP-38 TP-40 TP-52

R-1 5-15'
R-2 8-15'
R-3 10-20'
R-4 10-20'
R-5 10-20'
R-6 15-25'

D 627
D 620
D 615
D 618
D 610
D 605
D 593
D 607

K-1 30' WIDE, 5' DEEP
K-2 30' WIDE, 5' DEEP
K-3 30' WIDE, 5' DEEP
K-4A 30' WIDE, 10' DEEP
K-4B 30' WIDE, 20' DEEP
K-5 30' WIDE, 15' DEEP
K-6 30' WIDE, 25' DEEP
K-7 30' WIDE, 10' DEEP
K-8 20' WIDE, 5' DEEP
K-9 30' WIDE, 15-20' DEEP

SLOPE REBUILD (SR-1 MIN WIDTH OF 35')
SR-1
SUBDRAIN OUTLET TO APPROVED STORM DRAIN
SUBDRAIN OUTLET TO APPROVED STORM DRAIN
SEE SUBDRAIN OUTLET DETAIL ON FIGURE 3
END BEDROCK-DERIVED ENGINEERED FILL
LIMIT OF GRADING
SELECT BEDROCK-DERIVED ENGINEERED FILL
SEE SUBDRAIN OUTLET DETAIL ON FIGURE 3
SELECT BEDROCK-DERIVED ENGINEERED FILL
SEE SUBDRAIN OUTLET DETAIL ON FIGURE 3
END BEDROCK-DERIVED ENGINEERED FILL

SITE
COMO WAY

EXPLANATION

ALL LOCATIONS ARE APPROXIMATE

- CUT/FILL TRANSITION LINE (PROVIDED BY OTHERS)
- F — F' CROSS SECTION LOCATION (SEE SHEETS 2A AND 2B)
- K-8 PROPOSED KEYWAY, SHOWING WIDTH AND DEPTH
- R-6 COLLUVIUM / ALLUVIUM AND LANDSLIDE REMOVAL DEPTH OF REMOVAL SHOWN
- GEOGRID REINFORCED SLOPE (PLACE TENSAR BX1200 AT 3-FOOT VERTICAL SPACING WITH GRID LENGTH 12 FEET MINIMUM, START FIRST LAYER AT 1 FOOT BELOW TOE ELEVATION)
- C CUT LOT, OVEREXCAVATE A MINIMUM OF 3 FEET BELOW PAD GRADE
- T CUT/FILL TRANSITION LOT, OVEREXCAVATE LOT TO ACHIEVE A MINIMUM OF 3 FEET OF FILL ACROSS LOT
- D DIFFERENTIAL FILL LOT, OVEREXCAVATE TO ELEVATION SHOWN SO DIFFERENTIAL FILL THICKNESS ACROSS LOT IS NO GREATER THAN 10 FEET WHERE ELEVATION NOT SHOWN TO BE DETERMINED IN FIELD DURING GRADING
- KEYWAY AND BENCH SUBDRAIN
- SWALE SUBDRAIN
- 1-B3 BORING (ENGEO, 2023)
- 1-C1 CONTINUOUS DRY CORED BORING (ENGEO, 2023)
- B-3 BORING (BGC, 1999)
- 1-TP09 TEST PIT (ENGEO, 2023)
- TP-74 TEST PIT (BGC, 1999)
- T-2 EXPLORATORY TRENCH (BGC, 1999)
- Qaf ARTIFICIAL FILL
- Qls LANDSLIDE DEBRIS
- Qc COLLUVIUM
- Qal ALLUVIUM
- Tgvt GREEN VALLEY AND TASSAJARA FORMATIONS
- GEOLOGIC CONTACT, DASHED WHERE APPROXIMATE, DOTTED WHERE CONCEALED

BASE MAP SOURCE: CBG, 2024

N

0 50 FEET

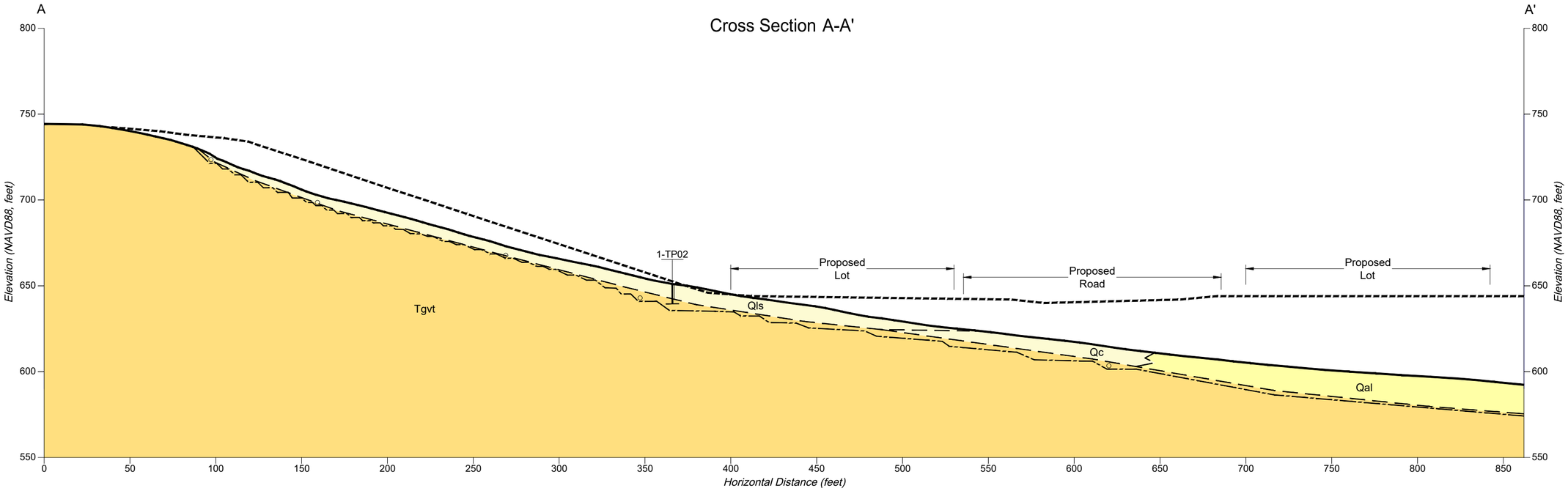
ENGEO Expect Excellence

CORRECTIVE GRADING PLAN
MARTIN HILLS RANCH
DANVILLE, CALIFORNIA

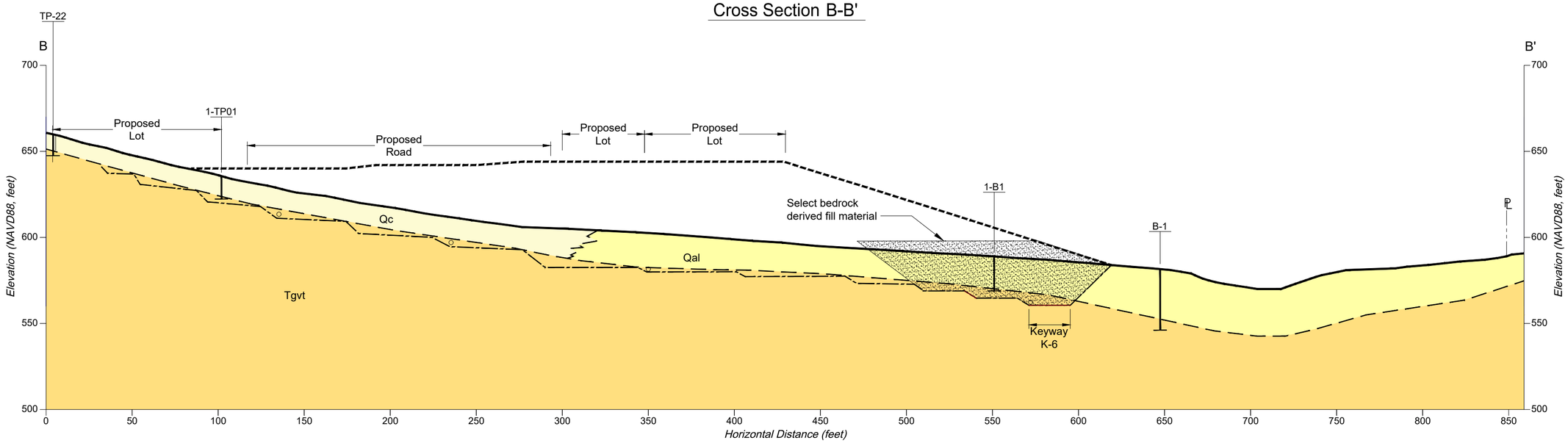
PROJECT NO.: 24441.000.001 | FIGURE NO.: 1
SCALE: AS SHOWN
DRAWN BY: CC | CHECKED BY: MT

ORIGINAL FIGURE PRINTED IN COLOR

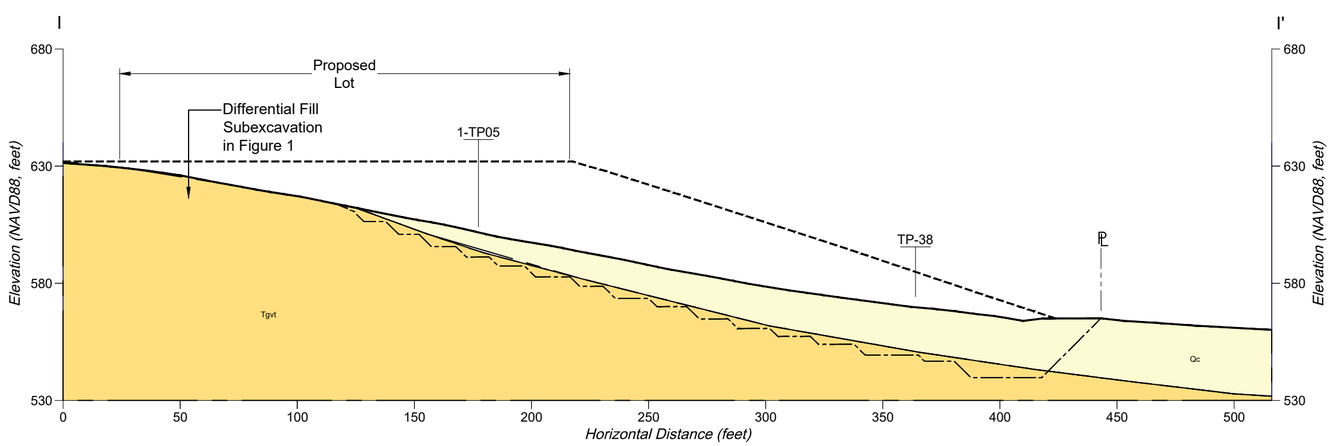
Cross Section A-A'



Cross Section B-B'



Cross Section I-I'



EXPLANATION

ALL LOCATIONS ARE APPROXIMATE

Qaf	Artificial Fill	Existing Ground Surface	1-B1 — Boring (ENGEO, 2023)
Qls	Landslide Debris	Proposed Ground Surface	1-C1 — Continuous Cored Boring (ENGEO, 2023)
Qc	Colluvium	Recommended Corrective Grading	1-TP01 — Test Pit (ENGEO, 2023)
Qal	Alluvium	Geologic Contact, Dashed Where Approximate Queried Where Inferred	TP-1 — Test Pit (BGC, 1999)
Tgvt	Green Valley and Tassajara Formations		

Disclaimer: Cross Section Is For Illustration Purposes Only. The Transition Between Materials May Be Abrupt Or Gradual. Variations Should Be Expected.

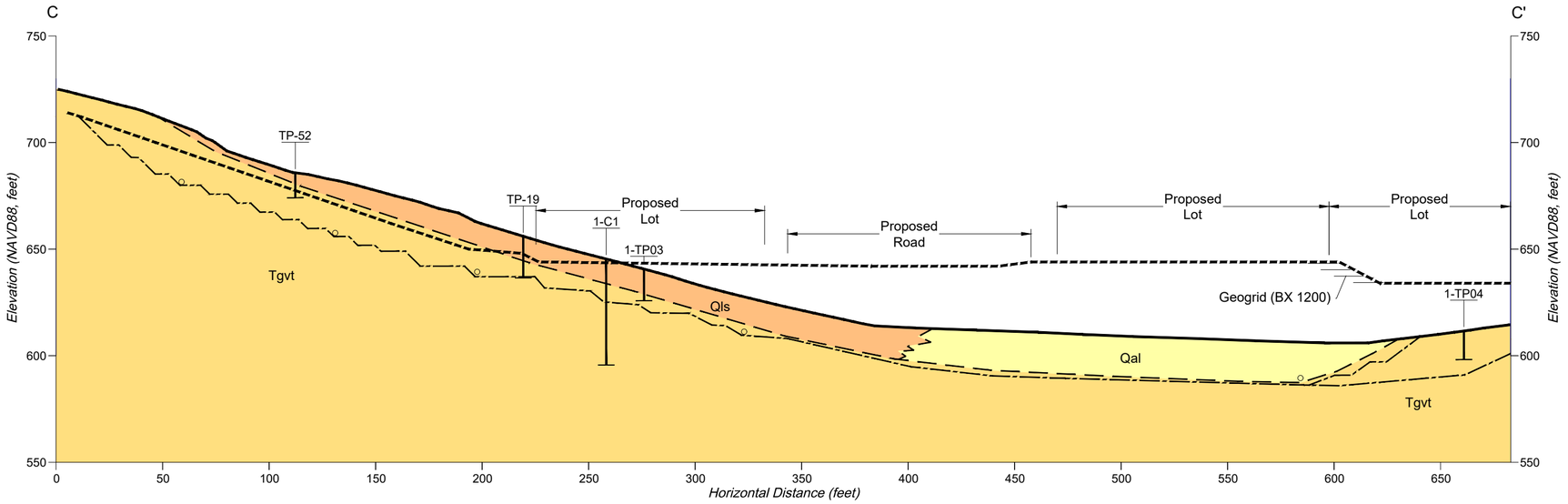
ENGEO Expect Excellence	CROSS SECTIONS A-A', B-B' AND I-I' MARTIN HILLS RANCH DANVILLE, CALIFORNIA	PROJECT NO.: 24441.000.001 SCALE: AS SHOWN DRAWN BY: LL CHECKED BY: MT	FIGURE NO. 2A

ORIGINAL FIGURE PRINTED IN COLOR

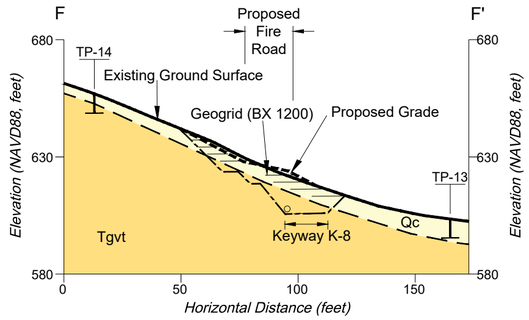
COPYRIGHT © 2024 BY ENGEO INCORPORATED. THIS DOCUMENT MAY NOT BE REPRODUCED IN WHOLE OR IN PART BY ANY MEANS WHATSOEVER, NOR MAY IT BE QUOTED OR EXCERPTED WITHOUT THE EXPRESS WRITTEN CONSENT OF ENGEO INCORPORATED.

FILE PATH: G:\Drafting\PROJECTS_24000 to 25999\24441\24441000001\corr-grading\082125\24441000001_CORR-GRADING-2-XS-0825.dwg SAVE DATE: 8/21/2025 4:20:39 PM SAVED BY: llee

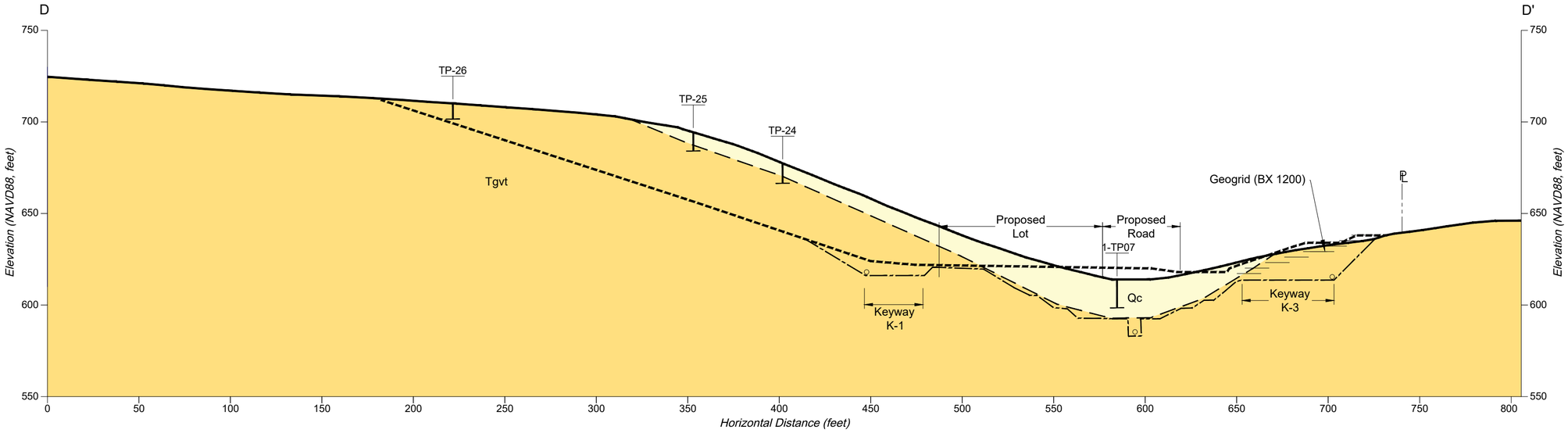
Cross Section C-C'



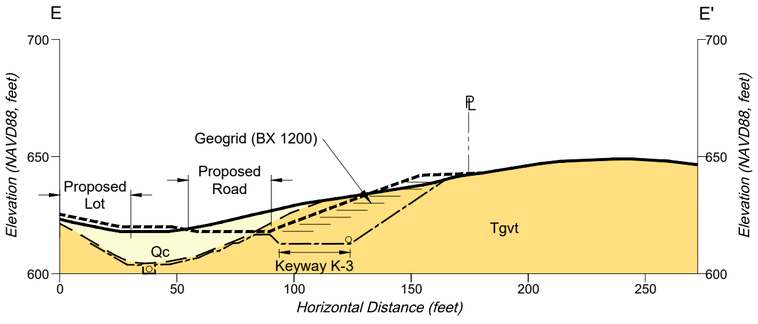
Cross Section F-F'



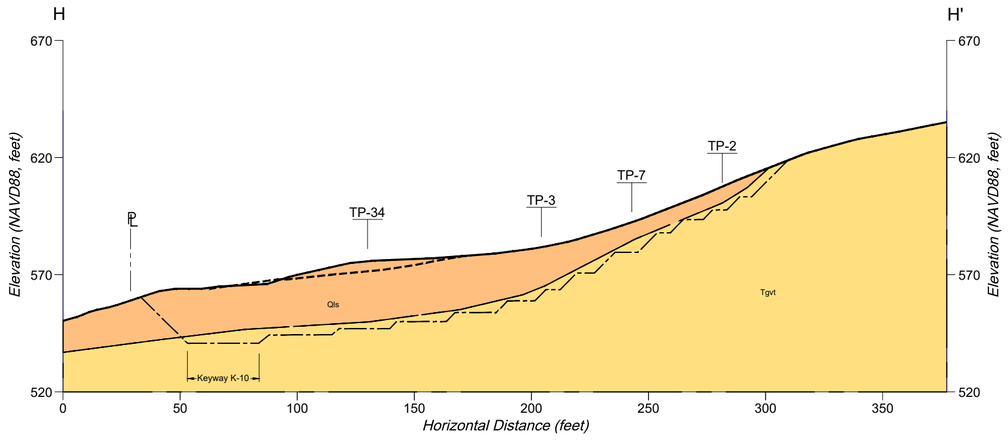
Cross Section D-D'



Cross Section E-E'



Cross Section H-H'



EXPLANATION

ALL LOCATIONS ARE APPROXIMATE

Qaf	Artificial Fill	Existing Ground Surface	1-B1 — Boring (ENGEO, 2023)
Qls	Landslide Debris	Proposed Ground Surface	1-C1 — Continuous Cored Boring (ENGEO, 2023)
Qc	Colluvium	Recommended Corrective Grading	1-TP01 — Test Pit (ENGEO, 2023)
Qal	Alluvium	Geologic Contact, Dashed Where Approximate Queried Where Inferred	TP-1 — Test Pit (BGC, 1999)
Tgvt	Green Valley and Tassajara Formations		

Disclaimer: Cross Section Is For Illustration Purposes Only. The Transition Between Materials May Be Abrupt Or Gradual. Variations Should Be Expected.

ENGEO Expect Excellence

CROSS SECTIONS C-C' THRU H-H'
MARTIN HILLS RANCH
DANVILLE, CALIFORNIA

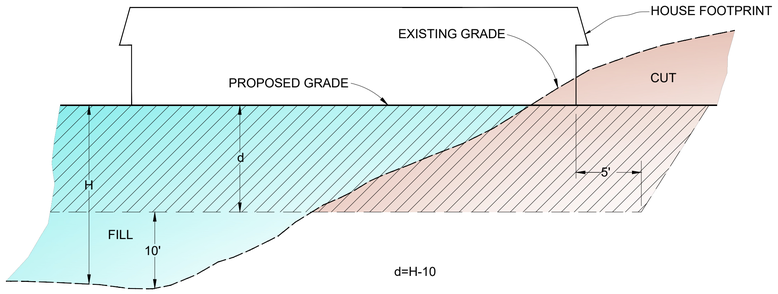
PROJECT NO.: 24441.000.001
SCALE: AS SHOWN
DRAWN BY: LL
CHECKED BY: MT

FIGURE NO. 2B

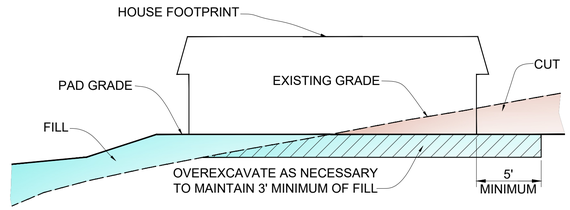
ORIGINAL FIGURE PRINTED IN COLOR

COPYRIGHT © 2025 BY ENGEO INCORPORATED. THIS DOCUMENT MAY NOT BE REPRODUCED IN WHOLE OR IN PART BY ANY MEANS WHATSOEVER, NOR MAY IT BE QUOTED OR EXCERPTED WITHOUT THE EXPRESS WRITTEN CONSENT OF ENGEO INCORPORATED.

FILE PATH: G:\Drafting\PROJECTS_24000 to 25999\24441\24441000001\corr-grading\082125\24441000001_CORR-GRADING-2-XS-0825.dwg SAVE DATE: 8/21/2025 4:20:39 PM SAVED BY: llee

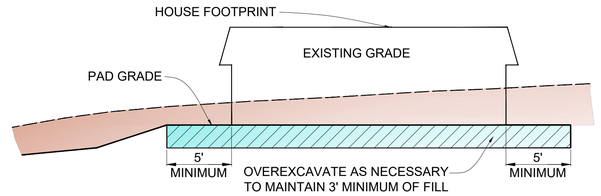


DIFFERENTIAL FILL LOT
NO SCALE



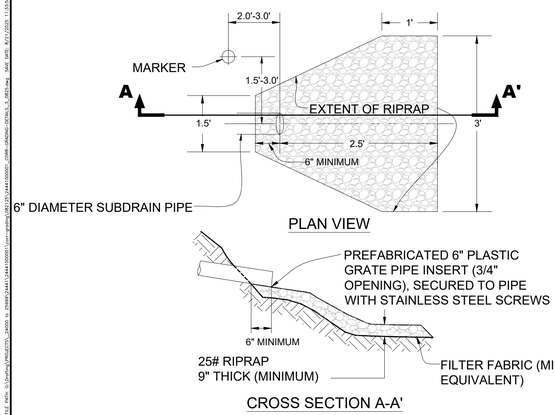
WHERE LOTS ARE PARTIALLY IN FILL, AND PARTIALLY IN CUT, OR LESS THAN 3' OF FILL IS PLANNED TO ACHIEVE PAD GRADE, OVEREXCAVATE AS SHOWN

CUT/FILL TRANSITION LOT AND SHALLOW FILL LOT
NO SCALE



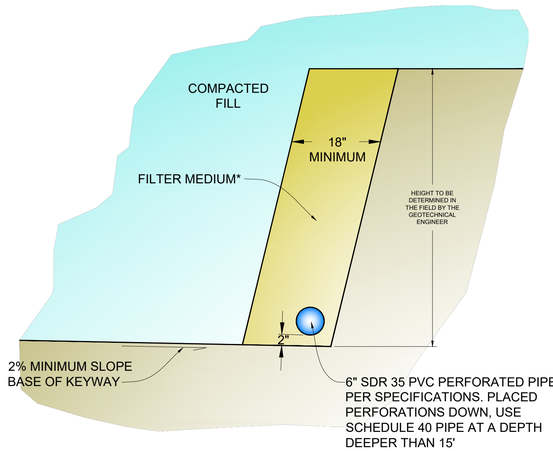
WHERE LOTS ARE COMPLETELY IN CUT, THE UPPER 3' SHOULD BE EXCAVATED AND RECOMPACTED AS SHOWN

CUT LOT
NO SCALE

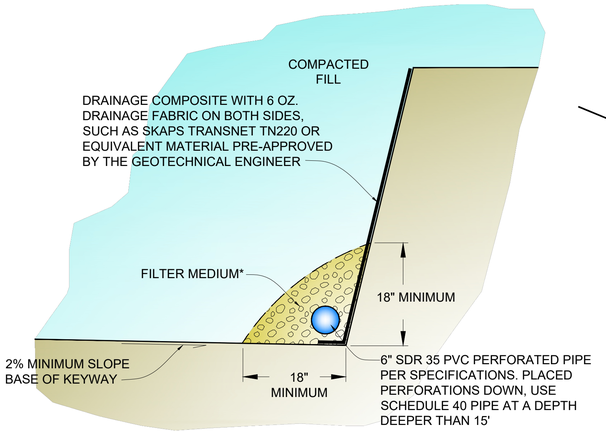


CROSS SECTION A-A'

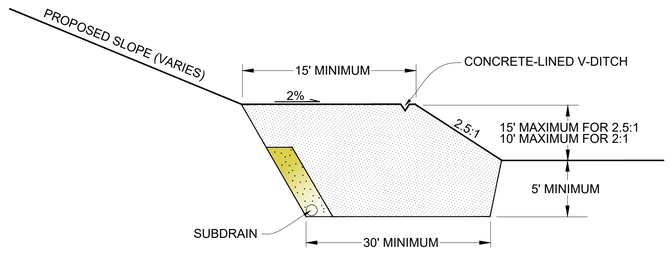
SUBDRAIN OUTFALL DETAIL WITH RIPRAP
NO SCALE



KEYWAY SUBDRAIN DETAIL
NO SCALE



BENCHKEY SUBDRAIN DETAIL
NO SCALE



ACTUAL SIZE AND DEPTH OF KEYWAY TO BE DETERMINED IN THE FIELD BY THE GEOTECHNICAL ENGINEER

DEBRIS BENCH DETAIL
NO SCALE

*FILTER MEDIUM

ALTERNATIVE A

CLASS 2 PERMEABLE MATERIAL

MATERIAL SHALL CONSIST OF CLEAN, COARSE SAND AND GRAVEL OR CRUSHED STONE, CONFORMING TO THE FOLLOWING GRADING REQUIREMENTS:

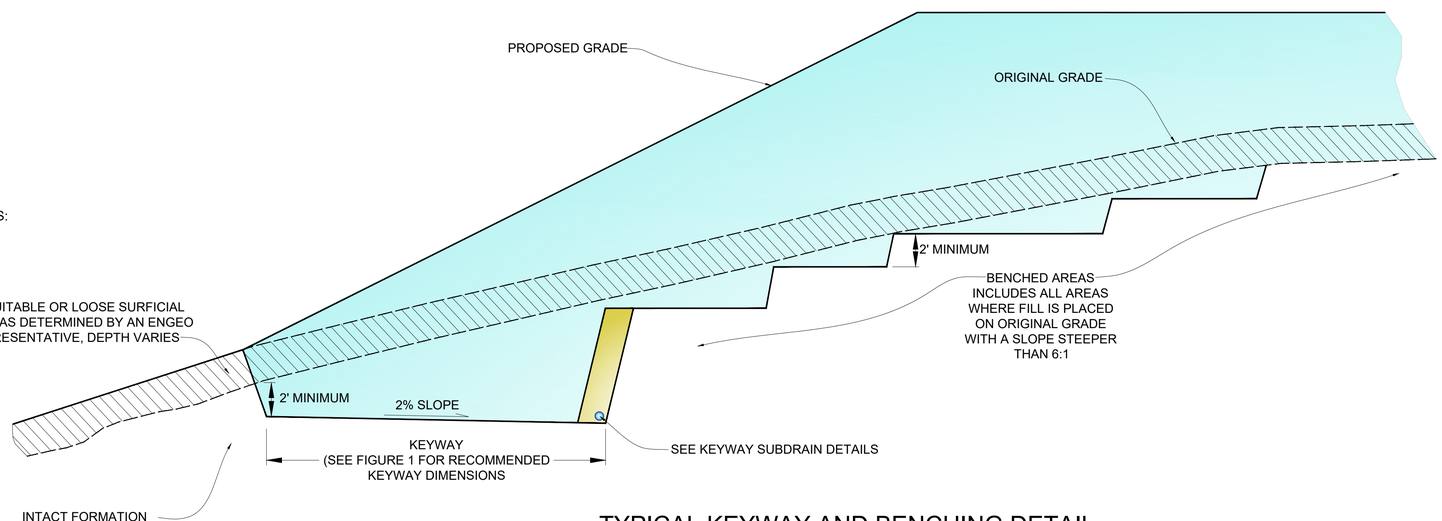
SIEVE SIZE	% PASSING SIEVE
1"	100
3/4"	90-100
3/8"	40-100
#4	25-40
#8	18-33
#30	5-15
#50	0-7
#200	0-3

ALTERNATIVE B

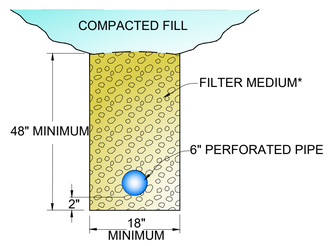
CLEAN CRUSHED ROCK OR GRAVEL WRAPPED IN FILTER FABRIC

ALL FILTER FABRIC SHALL MEET THE FOLLOWING MINIMUM AVERAGE ROLL VALUES UNLESS OTHERWISE SPECIFIED BY ENGEO:

GRAB STRENGTH (ASTM D-4632)	180 lbs
MASS PER UNIT AREA (ASTM D-4751)	6 oz/yd^2
APPARENT OPENING SIZE (ASTM D-4751)	70-100 U.S. STD. SIEVE
FLOW RATE (ASTM D-4491)	80 gal/min/ft
PUNCTURE STRENGTH (ASTM D-4833)	80 lbs



TYPICAL KEYWAY AND BENCHING DETAIL
NO SCALE



SWALE SUBDRAIN
NO SCALE

COPYRIGHT © 2025 BY ENGEO INCORPORATED. THIS DOCUMENT MAY NOT BE REPRODUCED IN WHOLE OR IN PART BY ANY MEANS WHATSOEVER, NOR MAY IT BE QUOTED OR EXCERPTED WITHOUT THE EXPRESS WRITTEN CONSENT OF ENGEO INCORPORATED.

ENGEO Expect Excellence

DETAILS
MARTIN HILLS RANCH
DANVILLE, CALIFORNIA

PROJECT NO.: 24441.000.001
SCALE: NO SCALE
DRAWN BY: LL
CHECKED BY: MT

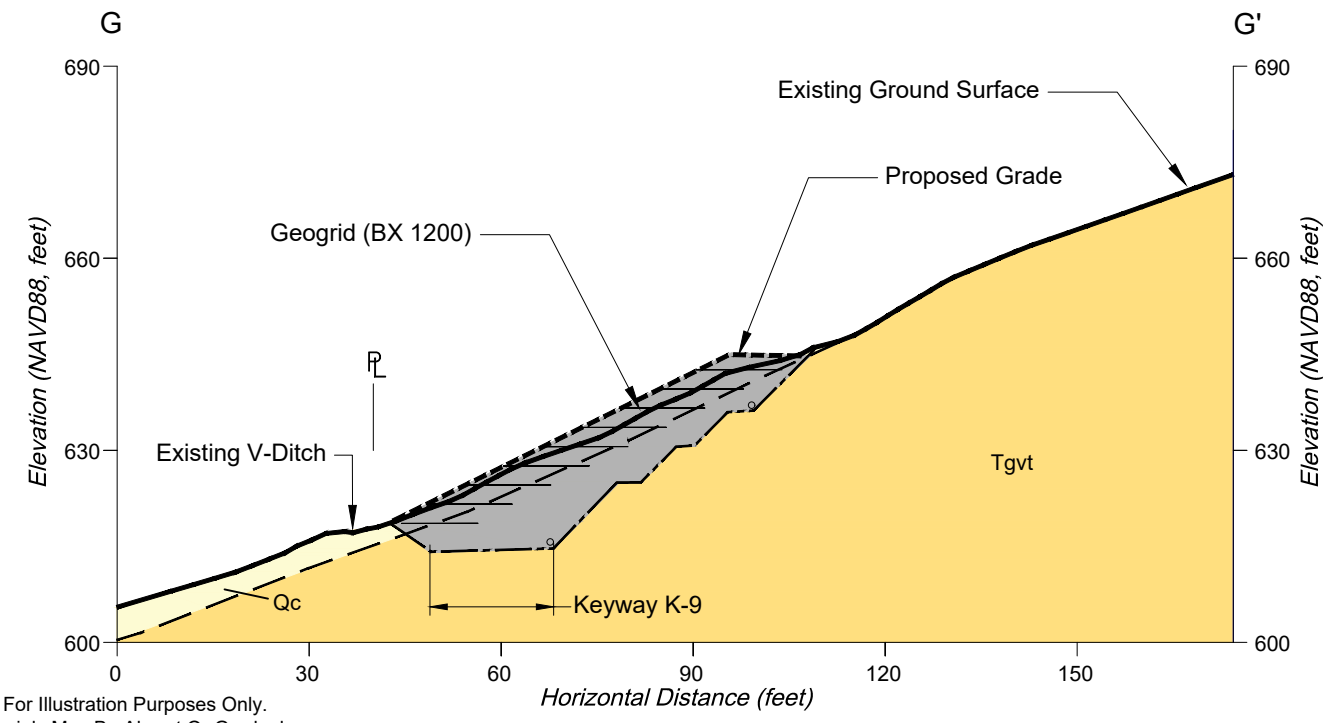
FIGURE NO. 3

ORIGINAL FIGURE PRINTED IN COLOR

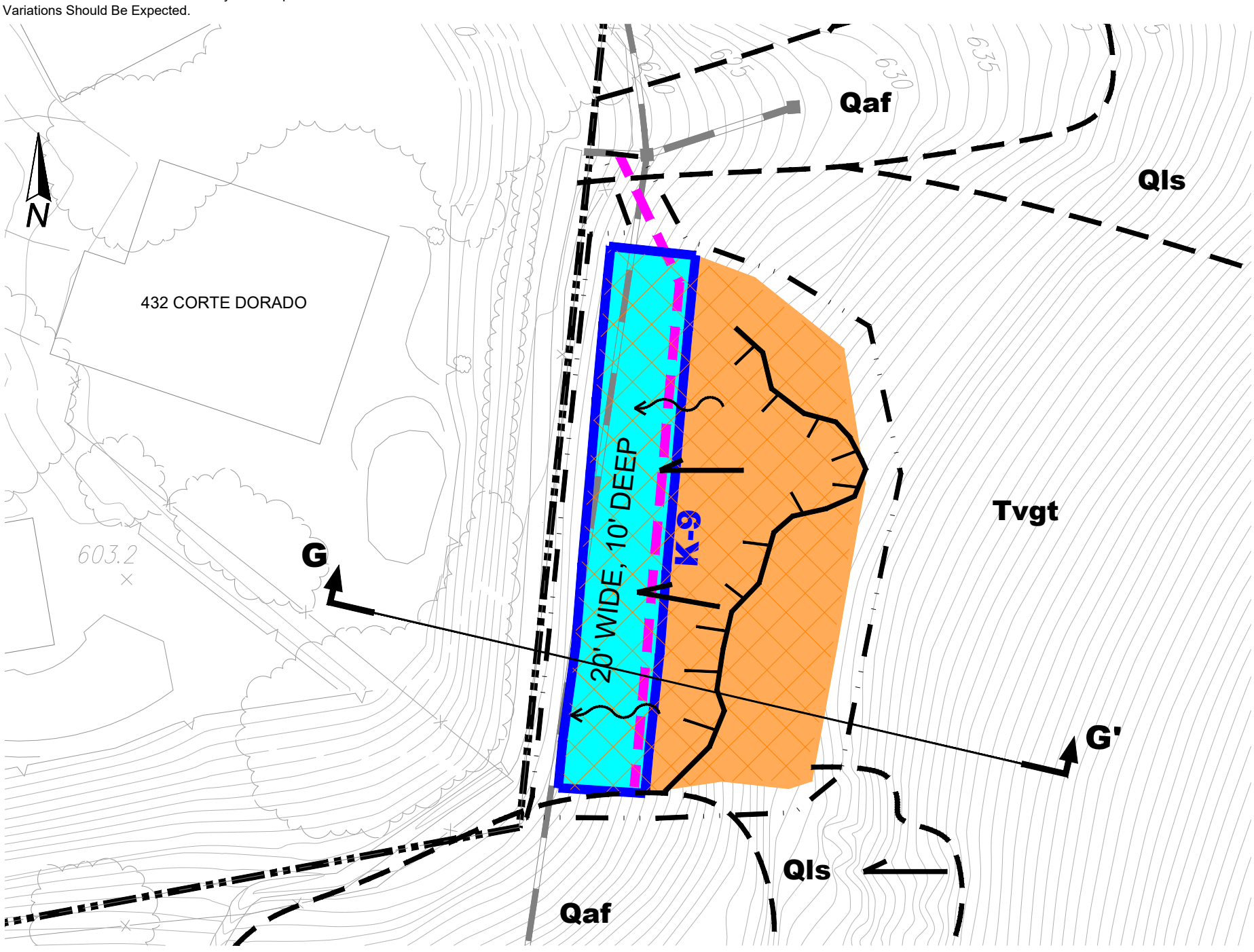
COPYRIGHT © 2025 BY ENGEO INCORPORATED. THIS DOCUMENT MAY NOT BE REPRODUCED IN WHOLE OR IN PART BY ANY MEANS WHATSOEVER, NOR MAY IT BE QUOTED OR EXCERPTED WITHOUT THE EXPRESS WRITTEN CONSENT OF ENGEO INCORPORATED.

FILE PATH: G:\Drafting\PROJECTS_24000 to 25999\24441\244410000001\corr-grading\082125\244410000001_CORR-GRADING_1_4-SP-XS-0825.dwg SAVE DATE: 8/21/2025 4:21:04 PM SAVED BY: llee

Cross Section G-G'



Disclaimer: Cross Section Is For Illustration Purposes Only.
The Transition Between Materials May Be Abrupt Or Gradual.
Variations Should Be Expected.



EXPLANATION

ALL LOCATIONS ARE APPROXIMATE

- PROJECT BOUNDARY
- GEOLOGIC CONTACT
- KEYWAY AND BENCH SUBDRAIN
- SWALE SUBDRAIN
- LANDSLIDE
- **Qaf** ARTIFICIAL FILL
- **Qls** LANDSLIDE DEBRIS
- **K-9** PROPOSED KEYWAY, SHOWING WIDTH AND DEPTH
- COLLUVIUM / ALLUVIUM AND LANDSLIDE REMOVAL DEPTH OF REMOVAL SHOWN
- GEOGRID REINFORCED SLOPE (PLACE TENSAR BX1200 AT 3-FOOT VERTICAL SPACING WITH GRID LENGTH 12 FEET MINIMUM, START FIRST LAYER AT 1 FOOT BELOW TOE ELEVATION)
- G G' CROSS SECTION LOCATION
- **Qal** ALLUVIUM
- **Tgvt** GREEN VALLEY AND TASSAJARA FORMATIONS

BASE MAP SOURCE: CBG, 2024

0 30 FEET

ENGEO Expect Excellence

CORRECTIVE GRADING WEST PROPERTY BOUNDARY
MARTIN HILLS RANCH
DANVILLE, CALIFORNIA

PROJECT NO.: 24441.000.001	FIGURE NO. 4
SCALE: AS SHOWN	
DRAWN BY: SS	CHECKED BY: JBR

ORIGINAL FIGURE PRINTED IN COLOR

E.5 - Paleontological Records Search

THIS PAGE INTENTIONALLY LEFT BLANK

From:	Patricia A Holroyd
To:	Matthew Dionisio
Cc:	Cultural Resources; Henrique Zhu; Joe Stewart
Subject:	Re: Records Search Request for 5960.0001 Martin Hills Ranch Residential Project
Date:	Thursday, March 27, 2025 6:48:31 PM
Attachments:	Outlook-upgyeqwn.png San Ramon+Blackhawk localities and specimens.xlsx

Caution: This is an external email and may contain suspicious subject or content. Please take care when clicking links or opening attachments. When in doubt, please contact your IT Department

Dear Matthew,

I have conducted a review of the University of California Museum of Paleontology records for paleontological resources in or near your project area and have found records of many prior finds in the area immediately surrounding your project site.

Your project is sited on rocks that have usually been mapped as Tassajara and/or Green Valley Formation. The Dibblee maps that are used as a base map for this area in the National Geologic Map database have these mapped as Orinda Fm. but this is not consistent with the usage by geologists most familiar with the region or with the records of sites in our collections from this area. The most recent geologic mapping of the area by Graymer and Langenheim (2021) refers to these as Tassajara and Green Valley undivided. I note this because some of our localities are recorded as Tassajara, others as Green Valley, and some are listed without formation because the original collector was unsure.

I have attached a spreadsheet with localities and specimens recorded from sites occurring immediately west and both slightly south and slight east of your project area. All are in the same geologic units that underlie the project area. This area is particularly rich in late Miocene to early Pliocene fossils and the fossils from there have been the subject of many papers. These are indicated on the individual specimen records

Reference mentioned: Graymer, R.W., and Langenheim, V.E., 2021, Geologic framework of Mount Diablo, California, in Sullivan, R., Sloan, D., Unruh, J.R., and Schwartz, D.P., eds., Regional Geology of Mount Diablo, California: Its Tectonic Evolution on the North America Plate Boundary: Geological Society of America Memoir 217, p. 1–34, https://doi.org/10.1130/2021.1217(01)

Billing will arrive separately from our campus business office. Please expect a delay in billing to be sent, as the university is currently converting to a new invoicing software.

Thank you, Pat Holroyd

Patricia A. Holroyd, Ph.D.
Senior Museum Scientist
Museum of Paleontology
University of California
Berkeley, CA 94720

On Thu, Mar 13, 2025 at 4:16 PM Matthew Dionisio <mdionisio@fcs-intl.com> wrote:

> Hello,
>
> My name is Matthew and I am working with environmental consultant First Carbon Solutions for the Martin Hills Ranch Residential Project located in Danville, California. I am looking to get a localized paleontological records search for the project site.
>
> I have attached the project map as a pdf and provided further information on the project location below:
>
> - The project site is within the Diablo, California United States Geological Survey (USGS) 7.5-minute Topographic Quadrangle Map.
> - Latitude 37° 47' 54.15" North; Longitude 121° 57' 30.94" West
> - Consists of Assessor's Parcel Numbers (APNs): 218-010-008, 218-010-009, 218-010-010, 218-010-011, and 218-010-012.
>
> The Martin Hills Ranch Residential Project is directly bounded by:
>
> - Residential uses to the west
> - Residential uses with a golf course to the south
> - Sherburne Hills and Sycamore Valley Open Space South to the east.
> - Open Space with sparse development to the north.
>
> **Email for billing:** ap@fcs-intl.com
>
> **Address:** FirstCarbon Solutions, 250 Commerce Street, Suite 210, Irvine, CA 92602
>
> If you need any additional information for the records search, my email is mdionisio@fcs-intl.com
>
> Thank you and have a great rest of your week!
>
> Sincerely,
> Matthew Dionisio

Matthew Dionisio
Environmental Services Analyst I, Environmental Services

Mobile (925) 786-6232
PST



loc_ID_nu	loc_name	other_loc_no	epoch	formation	lat_decim	long_decin	loc_description
V6869	Maxum		Pliocene	Tassajara	37.79	-121.97	Clay in back yard of Bernard J. Maxum residence, 291 Barrett Circle, Danville.
V6938	Danville 1		Miocene		37.82	-121.97	Clay.
V6939	Danville 2		Miocene		37.82	-121.98	
V6940	Danville 3		Miocene		37.82	-121.98	
V91216	Timbercreek		Pliocene	Tassajara ?	37.74	-121.92	Productive unit is yellowish-greenish gray poorly sorted sandstone (clasts < 5 mm.) with larger caliche and mud clasts.
V91217	Whitehaven 1		Pliocene	Tassajara ?	37.74	-121.92	Lt. gray massive siltstone, fine sandy siltstone with carbonate-coated root casts.
V91218	Whitehaven 2		Pliocene	Tassajara ?	37.74	-121.92	Small (4 ft. x 1 ft.) channel fill, truncated by fault behind and below exposure. Beds dip steeply SSW. Bluish-gray, poorly sorted, weakly consolidated sand with hematite stains, caliche pebbles, clay & mud clasts.
A8888	Black Haw	EQUALS UCMP V3310; EQUALS UCMP P3723	Miocene	Green Valley	37.83	-121.93	From basal conglomerate of Green Valley Fm.
P3723	Black Haw	EQUALS UCMP V3310; EQUALS UCMP A8888	Miocene	Green Valley	37.82	-121.93	From basal conglomerate of Green Valley Fm.
V3310	Black Haw	EQUALS UCMP A8888; EQUALS UCMP P3723	Miocene	Green Valley	37.83	-121.93	From basal conglomerate of Green Valley Fm.
V3724	Black Hawk Ranch 4		Miocene	Green Valley	37.83	-121.93	
V88017	Black Hawk Ranch 5		Miocene	Green Valley	37.83	-121.93	From the immediate area of Black Hawk Ranch Quarry - V3310. From 15-20 ft. stratigraphically below the level of the main quarry - V3310.

institution_	ucmp_coll	specno	class	ordr	family	genus	species	other_id	type_statu	publicatior	pub_autho	pub_date	element	loc_ID_nur	loc_name	
UCMP	P	1736	Magnoliop	Malpighial	Salicaceae	Populus	washoensis		plesiotype	Carnegie I	Axelrod, D.	1944	leaf	P3723	Black Hawk Ranch	
UCMP	P	1737	Magnoliop	Malpighial	Salicaceae	Populus	washoensis		plesiotype	Carnegie I	Axelrod, D.	1944	leaf	P3723	Black Hawk Ranch	
UCMP	P	1738	Magnoliop	Malpighial	Salicaceae	Populus	washoensis			Carnegie I	Axelrod, D.	1944	leaf	P3723	Black Hawk Ranch	
UCMP	P	1739	Magnoliop	Malpighial	Salicaceae	Salix	hesperia		plesiotype	Carnegie I	Axelrod, D.	1944	infructesc	P3723	Black Hawk Ranch	
UCMP	P	1740	Magnoliop	Malpighial	Salicaceae	Salix	hesperia			Carnegie I	Axelrod, D.	1944	leaf	P3723	Black Hawk Ranch	
UCMP	P	1741	Magnoliop	Fagales	Fagaceae	Quercus	convexa			Carnegie I	Axelrod, D.	1944	leaf	P3723	Black Hawk Ranch	
UCMP	P	1742	Magnoliop	Fagales	Fagaceae	Quercus	lakevillensis			Carnegie I	Axelrod, D.	1944	leaf	P3723	Black Hawk Ranch	
UCMP	P	1743	Magnoliop	Urticales	Ulmaceae	Ulmus	californica		plesiotype	Carnegie I	Axelrod, D.	1944	leaf	P3723	Black Hawk Ranch	
UCMP	P	1744	Magnoliop	Urticales	Ulmaceae	Ulmus	californica			Carnegie I	Axelrod, D.	1944	leaf	P3723	Black Hawk Ranch	
UCMP	P	1745	Magnoliop	Urticales	Ulmaceae	Ulmus	californica			Carnegie I	Axelrod, D.	1944	leaf	P3723	Black Hawk Ranch	
UCMP	P	1746	Magnoliop	Urticales	Ulmaceae	Ulmus	californica		plesiotype	Carnegie I	Axelrod, D.	1944	leaf	P3723	Black Hawk Ranch	
UCMP	P	1747	Magnoliop	Urticales	Ulmaceae	Ulmus	californica			Carnegie I	Axelrod, D.	1944	leaf	P3723	Black Hawk Ranch	
UCMP	P	1748	Magnoliop	Urticales	Ulmaceae	Ulmus	californica			Carnegie I	Axelrod, D.	1944	leaf	P3723	Black Hawk Ranch	
UCMP	P	1749	Magnoliop	Urticales	Ulmaceae	Ulmus	californica			Carnegie I	Axelrod, D.	1944	leaf	P3723	Black Hawk Ranch	
UCMP	P	1750	Magnoliop	Rosales	Rosaceae	Cercocarp	cuneatus			Carnegie I	Axelrod, D.	1944	leaf	P3723	Black Hawk Ranch	
UCMP	P	1751	Magnoliop	Proteales	Platanace	Platanus	dissecta		plesiotype	Carnegie I	Axelrod, D.	1944	leaf	P3723	Black Hawk Ranch	
UCMP	P	1752	Magnoliop	Proteales	Platanace	Platanus	dissecta		plesiotype	Carnegie I	Axelrod, D.	1944	leaf	P3723	Black Hawk Ranch	
UCMP	P	1753	Magnoliop	Proteales	Platanace	Platanus	dissecta			Carnegie I	Axelrod, D.	1944	leaf	P3723	Black Hawk Ranch	
UCMP	P	1754	Magnoliop	Sapindales	Anacardia	Rhus	moragensis			Carnegie I	Axelrod, D.	1944	leaflet	P3723	Black Hawk Ranch	
UCMP	V	32869	Mammalia	Artiodactyl	Camelidae				PUBL	Stirton, R.A. 1939. UCPGS. 24(13			BONE FRA	V3310	Black Hawk Ranch	
UCMP	V	33049	Mammalia	Rodentia	Castoridae	Eucastor	lecontei		FIG	Stirton, R.A. 1939. UCPGS. 24(13			TEETH	V3310	Black Hawk Ranch	
UCMP	V	33050	Mammalia	Carnivora	Canidae	Epicyon	diabloensis		PUBL	Stirton, R.A. 1939. UCPGS. 24(13			P4/,TEETH	V3310	Black Hawk Ranch	
UCMP	V	33051	Mammalia	Perissodac	Equidae	Hipparion	forcei		TYPE	Stirton, R.A. 1939. UCPGS. 24(13			P3/	V3310	Black Hawk Ranch	
UCMP	V	33052	Mammalia	Perissodac	Equidae	Hipparion	mohavense		PUBL	Stirton, R.A. 1939. UCPGS. 24(13			TEETH	V3310	Black Hawk Ranch	
UCMP	V	33053	Mammalia	Proboscide	Gomphoth	Gomphother	ium		PUBL	Stirton, R.A. 1939. UCPGS. 24(13			/L M1	V3310	Black Hawk Ranch	
UCMP	V	33054	Mammalia	Artiodactyl	Merycoido	Ticholeptu	major		PUBL	Stirton, R.A. 1939. UCPGS. 24(13). p.359				V3310	Black Hawk Ranch	
UCMP	V	33055	Mammalia	Artiodactyl	Camelidae	Procamelus			PUBL	Stirton, R.A. 1939. UCPGS. 24(13). p.360				V3310	Black Hawk Ranch	
UCMP	V	33056	Mammalia	Artiodactyl	Antilocapr	Capromeryx			PUBL	Stirton, R.A. 1939. UCPGS. 24(13			TOOTH FR	V3310	Black Hawk Ranch	
UCMP	V	33099	Mammalia	Rodentia	Castoridae	Eucastor	lecontei		FIG	Stirton, R.A. 1939. UCPGS. 24(13			TOOTH	V3310	Black Hawk Ranch	
UCMP	V	33475	Mammalia	Carnivora	Canidae	Aelurodon	taxoides		FIG	MacDonald, J.R. 1948. UCPGS 28			L DENTAR	V3310	Black Hawk Ranch	
UCMP	V	33476	Mammalia	Carnivora	Canidae	Borophagu	littoralis		TYPE	Richey, K. 1938; MacDonald, J.R.			r dentary w	V3310	Black Hawk Ranch	
UCMP	V	33477	Mammalia	Carnivora	Canidae	Borophagu	littoralis		FIG	MacDonald, J.R. 1948. UCPGS 28			MAXILLA	V3310	Black Hawk Ranch	
UCMP	V	33478	Mammalia	Carnivora	Canidae	Aelurodon	taxoides		FIG	MacDonald, J.R. 1948. UCPGS 28			L DENTAR	V3310	Black Hawk Ranch	
UCMP	V	33484	Mammalia	Carnivora	Canidae	Epicyon	diabloensis		PUBL	MacDonald, J.R. 1948. UCPGS 28			DENTARY	V3310	Black Hawk Ranch	
UCMP	V	33492	Mammalia	Carnivora	Canidae	Borophagu	littoralis		FIG	MacDonald, J.R. 1948. UCPGS 28			MAXILLA	V3310	Black Hawk Ranch	
UCMP	V	33493	Mammalia	Carnivora	Canidae	Borophagu	littoralis		FIG	MacDonald, J.R. 1948. UCPGS 28			MAXILLA	V3310	Black Hawk Ranch	
UCMP	V	33494	Mammalia	Carnivora	Canidae	Borophagu	littoralis		FIG	MacDonald, J.R. 1948. UCPGS 28			dentary fra	V3310	Black Hawk Ranch	
UCMP	V	33530	Mammalia	Perissodac	Equidae	Pliohippus	leardi		FIG	Richey, K.A. 1948. UCPGS 28, fig:			M1/	V3310	Black Hawk Ranch	
UCMP	V	33531	Mammalia	Perissodac	Equidae	Pliohippus	leardi		FIG	Richey, K.A. 1948. UCPGS 28, fig:			DP2/	V3310	Black Hawk Ranch	
UCMP	V	33532	Mammalia	Perissodac	Equidae	Hipparion	forcei		FIG	Richey, K.A. 1948. UCPGS 28, fig			P3/	V3310	Black Hawk Ranch	
UCMP	V	33533	Mammalia	Perissodac	Equidae	Hipparion	forcei		FIG	Richey, K.A. 1948. UCPGS 28, fig			M1/	V3310	Black Hawk Ranch	
UCMP	V	33534	Mammalia	Perissodac	Equidae	Hipparion	forcei		FIG	Richey, K.A. 1948. UCPGS 28, fig			M3/	V3310	Black Hawk Ranch	
UCMP	V	33535	Mammalia	Perissodac	Equidae	Hipparion	forcei		FIG	Richey, K.A. 1948. UCPGS 28, fig			P2/	V3310	Black Hawk Ranch	
UCMP	V	33536	Mammalia	Perissodac	Equidae	Hipparion							MAXILLA F	V3310	Black Hawk Ranch	
UCMP	V	33537	Mammalia	Perissodac	Equidae	Hipparion							CHEEK TO	V3310	Black Hawk Ranch	
UCMP	V	33538	Mammalia	Perissodac	Equidae	Hipparion	forcei		PUBL	Richey, K.A. 1948. UCPGS 28, p1			P2/	V3310	Black Hawk Ranch	
UCMP	V	33539	Mammalia	Perissodac	Equidae	Hipparion							P/	V3310	Black Hawk Ranch	
UCMP	V	33540	Mammalia	Perissodac	Equidae	Hipparion	forcei		PUBL	Richey, K.A. 1948. UCPGS 28, p1			M1/ or M2/	V3310	Black Hawk Ranch	
UCMP	V	33541	Mammalia	Perissodac	Equidae	Hipparion							TEETH/	V3310	Black Hawk Ranch	
UCMP	V	33542	Mammalia	Perissodac	Equidae	Hipparion							/CHEEK TE	V3310	Black Hawk Ranch	
UCMP	V	33543	Mammalia	Perissodac	Equidae	Hipparion							P/	V3310	Black Hawk Ranch	
UCMP	V	33544	Mammalia	Perissodac	Equidae	Hipparion							M/	V3310	Black Hawk Ranch	
UCMP	V	33545	Mammalia	Perissodac	Equidae	Hipparion	forcei		FIG	Richey, K.A. 1948. UCPGS 28, fig			M1/	V3310	Black Hawk Ranch	
UCMP	V	33546	Mammalia	Perissodac	Equidae	Hipparion							M/	V3310	Black Hawk Ranch	
UCMP	V	33547	Mammalia	Perissodac	Equidae	Hipparion							CHEEK TO	V3310	Black Hawk Ranch	
UCMP	V	33548	Mammalia	Proboscide	Gomphoth	Gomphoth	cingulatum		PUBL	Downs, T. 1952. UCPGS 29, p9			R+L DENT/	V3310	Black Hawk Ranch	
UCMP	V	33549	Mammalia	Proboscide	Gomphoth	Gomphoth	simpsoni						L DENTAR	V3310	Black Hawk Ranch	
UCMP	V	33550	Mammalia	Proboscide	Gomphoth	Gomphoth	simpsoni						DENTARY	V3310	Black Hawk Ranch	
UCMP	V	33551	Mammalia	Proboscide	Gomphoth	Gomphoth	simpsoni						R+L DENT/	V3310	Black Hawk Ranch	
UCMP	V	33552	Mammalia	Proboscide	Gomphoth	Gomphoth	cingulatum		PUBL	Downs, T. 1952. UCPGS 29, p9			R+L DENT/	V3310	Black Hawk Ranch	
UCMP	V	33553	Mammalia	Proboscide	Gomphoth	Gomphoth	cingulatum		PUBL	Downs, T. 1952. UCPGS 29, p9			DENTARY	V3310	Black Hawk Ranch	
UCMP	V	33554	Mammalia	Proboscide	Gomphoth	Gomphoth	simpsoni						DENTARY	V3310	Black Hawk Ranch	
UCMP	V	33555	Mammalia	Proboscide	Gomphoth	Gomphoth	simpsoni						L DENTAR	V3310	Black Hawk Ranch	
UCMP	V	33556	Mammalia	Proboscide	Gomphoth	Gomphoth	simpsoni						R DENTAR	V3310	Black Hawk Ranch	
UCMP	V	33557	Mammalia	Proboscide	Gomphoth	Gomphoth	simpsoni						L FEMUR	V3310	Black Hawk Ranch	
UCMP	V	33558	Mammalia	Proboscide	Gomphoth	Gomphoth	simpsoni						R FEMUR	V3310	Black Hawk Ranch	
UCMP	V	33559	Mammalia	Proboscide	Gomphoth	Gomphoth	simpsoni						L HUMERU	V3310	Black Hawk Ranch	
UCMP	V	33560	Mammalia	Proboscide	Gomphoth	Gomphoth	simpsoni						L ULNA	V3310	Black Hawk Ranch	
UCMP	V	33561	Mammalia	Carnivora	Canidae								C	V3724	Black Hawk Ranch	4
UCMP	V	33562	Mammalia	Proboscide	Gomphoth	Gomphoth	simpsoni						L ULNA	V3724	Black Hawk Ranch	4
UCMP	V	33570	Mammalia	Proboscide	Gomphoth	Gomphoth	simpsoni						TUSK/	V3310	Black Hawk Ranch	
UCMP	V	33578	Mammalia	Proboscide	Gomphoth	Gomphoth	simpsoni						PELVIS	V3310	Black Hawk Ranch	

UCMP	V	33579	Mammalia	Proboscide	Gomphoth	Gomphoth	simpsoni					M3/	V3310	Black Hawk Ranch
UCMP	V	33580	Mammalia	Proboscide	Gomphoth	Gomphoth	simpsoni					M3/	V3310	Black Hawk Ranch
UCMP	V	33696	Mammalia	Rodentia	Castoridae	Eucastor	lecontei		PUBL	MacDonald, J.R. 1949. UCPGS 28		VENTRAL S	V3310	Black Hawk Ranch
UCMP	V	33697	Mammalia	Rodentia	Castoridae	Eucastor	lecontei					DENTARY	V3310	Black Hawk Ranch
UCMP	V	33698	Mammalia	Rodentia	Castoridae	Eucastor	lecontei					DENTARY I	V3310	Black Hawk Ranch
UCMP	V	33699	Mammalia	Rodentia	Castoridae	Eucastor	lecontei					DENTARY \	V3310	Black Hawk Ranch
UCMP	V	33700	Mammalia	Rodentia	Castoridae	Eucastor	lecontei					/P4	V3310	Black Hawk Ranch
UCMP	V	33701	Mammalia	Rodentia	Castoridae	Eucastor	lecontei					I	V3310	Black Hawk Ranch
UCMP	V	33702	Mammalia	Lagomorpl	Leporidae	Hypolagus						TEETH	V3310	Black Hawk Ranch
UCMP	V	33703	Mammalia	Carnivora	Canidae	Urocyon						I	V3310	Black Hawk Ranch
UCMP	V	33704	Aves										V3310	Black Hawk Ranch
UCMP	V	33705	Mammalia	Carnivora	Procyonid	Bassariscu	parvus		PUBL	MacDonald, J.R. 1948. UCPGS 28		DENTARY	V3310	Black Hawk Ranch
UCMP	V	33706	Mammalia	Carnivora	Procyonid	Bassariscu	parvus		FIG	MacDonald, J.R. 1948. UCPGS 28		L dentary v	V3310	Black Hawk Ranch
UCMP	V	33707	Mammalia	Carnivora	Canidae	Metalopex	macconnelli		FIG	MacDonald, J.R. 1948. UCPGS 28		left DENTA	V3310	Black Hawk Ranch
UCMP	V	33708	Mammalia	Carnivora	Mustelidae	Leptarctus			FIG	MacDonald, J.R. 1948. UCPGS 28		/P4	V3310	Black Hawk Ranch
UCMP	V	33709	Mammalia	Carnivora	Procyonid	Bassariscus			PUBL	MacDonald, J.R. 1948. UCPGS 28		/M2	V3310	Black Hawk Ranch
UCMP	V	33710	Mammalia	Carnivora	Canidae	Epicyon	diabloensis						V3310	Black Hawk Ranch
UCMP	V	33711	Mammalia	Carnivora	Canidae	Borophagu	littoralis		FIG	MacDonald, J.R. 1948. UCPGS 28		r dentary w	V3310	Black Hawk Ranch
UCMP	V	33712	Mammalia	Carnivora	Canidae	Epicyon	diabloensis						V3310	Black Hawk Ranch
UCMP	V	33713	Mammalia	Carnivora	Canidae	Aelurodon							V3310	Black Hawk Ranch
UCMP	V	33714	Mammalia	Carnivora				Fissipeda					V3310	Black Hawk Ranch
UCMP	V	33715	Mammalia	Artiodactyl	Camelidae	Megatylopus			PUBL	Baskin, J. 1981. JMamm 62, p125		L DIST RAI	V3310	Black Hawk Ranch
UCMP	V	33716	Mammalia	Carnivora	Felidae			Machairodontinae					V3310	Black Hawk Ranch
UCMP	V	33717	Mammalia	Carnivora	Felidae	Barbourofelis			FIG	MacDonald, J.R. 1948. UCPGS 28		P4/	V3310	Black Hawk Ranch
UCMP	V	33718	Mammalia	Carnivora	Felidae			Machairod	FIG	MacDonald, J.R. 1948. UCPGS 28		deciduous	V3310	Black Hawk Ranch
UCMP	V	33719	Mammalia	Carnivora	Felidae			Machairodontinae					V3310	Black Hawk Ranch
UCMP	V	33720	Mammalia	Carnivora	Canidae	Epicyon	diabloensis						V3310	Black Hawk Ranch
UCMP	V	33721	Mammalia	Carnivora	Felidae			Machairodontinae				ULNA	V3310	Black Hawk Ranch
UCMP	V	33722	Mammalia	Perissodac	Equidae	Hipparion						METAPODI	V3310	Black Hawk Ranch
UCMP	V	33723	Mammalia	Perissodac	Equidae			Hipparionini				I	V3310	Black Hawk Ranch
UCMP	V	33724	Mammalia	Perissodac	Equidae			Hipparionini				CALCANEI	V3310	Black Hawk Ranch
UCMP	V	33725	Mammalia	Perissodac	Equidae			Hipparionini				DIST PHAL	V3310	Black Hawk Ranch
UCMP	V	33726	Mammalia	Perissodac	Equidae			Hipparionini				CALCANEI	V3310	Black Hawk Ranch
UCMP	V	33727	Mammalia	Perissodac	Equidae	Hipparion						PODIALS,I	V3310	Black Hawk Ranch
UCMP	V	33728	Mammalia	Perissodac	Equidae	Pliohippus	leardi		PUBL	Richey, K.A. 1948. UCPGS 28, p3		ASTRAGAL	V3310	Black Hawk Ranch
UCMP	V	33729	Osteichthy	Salmoniformes								TOOTH	V3310	Black Hawk Ranch
UCMP	V	33730	Aves									DIST HUMI	V3310	Black Hawk Ranch
UCMP	V	33731	Aves									DIST HUMI	V3310	Black Hawk Ranch
UCMP	V	33732	Aves									DIST HUMI	V3310	Black Hawk Ranch
UCMP	V	33733	Aves									DIST HUMI	V3310	Black Hawk Ranch
UCMP	V	33734	Mammalia	Carnivora	Canidae	Epicyon	diabloensis					MAXILLA	V3310	Black Hawk Ranch
UCMP	V	33735	Mammalia	Carnivora	Canidae	Epicyon	diabloensis					LIMB BONI	V3310	Black Hawk Ranch
UCMP	V	33736	Mammalia	Artiodactyl	Tayassuida	Prosthennops						PALATE	V3310	Black Hawk Ranch
UCMP	V	33737	Mammalia	Artiodactyl	Tayassuida	Woodburn	grenaderae		FIG	Prothero, D.R.+Pollen, A. 2013. K		left dentar	V3310	Black Hawk Ranch
UCMP	V	33738	Mammalia	Artiodactyl	Tayassuida	Woodburn	grenaderae		PUBL	Prothero, D.R.+Pollen, A. 2013. K		MAXILLA F	V3310	Black Hawk Ranch
UCMP	V	33739	Mammalia	Artiodactyl	Tayassuida	Woodburn	grenaderae		PUBL	Prothero, D.R.+Pollen, A. 2013. K		left M2/	V3310	Black Hawk Ranch
UCMP	V	33740	Mammalia	Carnivora				Fissipeda				PODIALS	V3310	Black Hawk Ranch
UCMP	V	33741	Mammalia	Artiodactyl	Merycoido	Ticholeptu	major		PUBL	Lander, E.B. 2008. NHMLAC Sci S		MAXILLA	V3310	Black Hawk Ranch
UCMP	V	33742	Mammalia	Artiodactyl	Merycoido	Ticholeptu	major		PUBL	Lander, E.B. 2008. NHMLAC Sci S		MAXILLA	V3310	Black Hawk Ranch
UCMP	V	33743	Mammalia	Artiodactyl	Merycoido	Ticholeptu	major					TEETH,CUI	V3310	Black Hawk Ranch
UCMP	V	33744	Mammalia	Artiodactyl	Merycoido	Ticholeptu	major					DENTARY I	V3310	Black Hawk Ranch
UCMP	V	33745	Mammalia	Artiodactyl	Camelidae	Procamelus						L DENTAR\	V3310	Black Hawk Ranch
UCMP	V	33746	Mammalia	Artiodactyl	Camelidae	Megatylopus						L DENTAR\	V3310	Black Hawk Ranch
UCMP	V	33747	Mammalia	Artiodactyl	Camelidae	Megatylopus						/P3-4	V3310	Black Hawk Ranch
UCMP	V	33748	Mammalia	Perissodac	Equidae			Hipparionini				TOOTH FR	V3310	Black Hawk Ranch
UCMP	V	33749	Mammalia	Artiodactyl	Camelidae	Megatylopus						/DP3	V3310	Black Hawk Ranch
UCMP	V	33750	Mammalia	Perissodac	Equidae			Hipparionini				I,C	V3310	Black Hawk Ranch
UCMP	V	33751	Mammalia	Artiodactyl	Camelidae	Megatylopus						DENTARY \	V3310	Black Hawk Ranch
UCMP	V	33752	Aves									HUMERUS	V3310	Black Hawk Ranch
UCMP	V	33753	Mammalia	Artiodactyl	Camelidae	Procamelus						CUBOID	V3310	Black Hawk Ranch
UCMP	V	33754	Mammalia	Artiodactyl	Camelidae	Procamelus						ASTRAGAL	V3310	Black Hawk Ranch
UCMP	V	33755	Mammalia	Artiodactyl	Camelidae	Procamelus						METAPODI	V3310	Black Hawk Ranch
UCMP	V	33756	Mammalia	Artiodactyl	Camelidae	Procamelus						RADIUS-UI	V3310	Black Hawk Ranch
UCMP	V	33757	Mammalia	Artiodactyl	Camelidae	Procamelus						LIMB BONI	V3310	Black Hawk Ranch
UCMP	V	33758	Mammalia	Artiodactyl	Camelidae	Megatylopus						FEMUR,HU	V3310	Black Hawk Ranch
UCMP	V	33759	Mammalia	Artiodactyl	Antilocapr	Merycodus						M3/	V3310	Black Hawk Ranch
UCMP	V	33760	Mammalia	Artiodactyl	Antilocapr	Capromeryx						M2/	V3310	Black Hawk Ranch
UCMP	V	33761	Mammalia	Artiodactyl	Antilocapr	Capromeryx						M1/	V3310	Black Hawk Ranch
UCMP	V	33762	Mammalia	Artiodactyl	Antilocapr	Capromeryx						P4/	V3310	Black Hawk Ranch
UCMP	V	33763	Mammalia	Artiodactyl	Antilocapr	Capromeryx						/M3	V3310	Black Hawk Ranch
UCMP	V	33764	Mammalia	Artiodactyl	Antilocapr	Capromeryx						/M2	V3310	Black Hawk Ranch
UCMP	V	33765	Mammalia	Artiodactyl	Antilocapr	Capromeryx						/M1	V3310	Black Hawk Ranch
UCMP	V	33766	Mammalia	Artiodactyl	Antilocapr	Capromeryx						/P4	V3310	Black Hawk Ranch
UCMP	V	33767	Mammalia	Artiodactyl	Antilocapr	Capromeryx						I	V3310	Black Hawk Ranch

UCMP	V	33768	Mammalia	Artiodactyl	Antilocapr	Capromeryx				DENTARY I	V3310	Black Hawk Ranch
UCMP	V	33769	Mammalia	Artiodactyl	Antilocapr	Capromeryx				L DENTAR\	V3310	Black Hawk Ranch
UCMP	V	33770	Mammalia	Artiodactyl	Antilocapr	Capromeryx				CHEEK TEI	V3310	Black Hawk Ranch
UCMP	V	33771	Mammalia	Artiodactyl	Antilocapr	Capromeryx				M1-M3/	V3310	Black Hawk Ranch
UCMP	V	33772	Mammalia	Artiodactyl	Antilocapr	Capromeryx				LIMB BONI	V3310	Black Hawk Ranch
UCMP	V	33773	Mammalia	Artiodactyl	Antilocapr	Capromeryx				METACARI	V3310	Black Hawk Ranch
UCMP	V	33774	Mammalia	Artiodactyl	Antilocapr	Capromeryx				METATARS	V3310	Black Hawk Ranch
UCMP	V	33775	Mammalia	Artiodactyl	Antilocapr	Capromeryx				METAPODI	V3310	Black Hawk Ranch
UCMP	V	33776	Mammalia	Artiodactyl	Antilocapr	Capromeryx				ASTRAGAL	V3310	Black Hawk Ranch
UCMP	V	33777	Mammalia	Artiodactyl	Antilocapr	Capromeryx				CALCANEI	V3310	Black Hawk Ranch
UCMP	V	33778	Mammalia	Artiodactyl	Antilocapr	Capromeryx				PHALANGI	V3310	Black Hawk Ranch
UCMP	V	33779	Mammalia	Artiodactyl	Antilocapr	Capromeryx				NAVICULA	V3310	Black Hawk Ranch
UCMP	V	33780	Mammalia	Artiodactyl	Antilocapr	Capromeryx				SCAPULAI	V3310	Black Hawk Ranch
UCMP	V	33781	Mammalia	Proboscide	Gomphoth	Gomphoth productum		PUBL		M2/	V3310	Black Hawk Ranch
UCMP	V	33782	Mammalia	Proboscide	Gomphoth	Gomphoth productum				M1/	V3310	Black Hawk Ranch
UCMP	V	33783	Mammalia	Proboscide	Gomphoth	Gomphoth productum				P4/	V3310	Black Hawk Ranch
UCMP	V	33784	Mammalia	Proboscide	Gomphoth	Gomphoth productum					V3310	Black Hawk Ranch
UCMP	V	33785	Mammalia	Proboscide	Gomphoth	Gomphoth productum					V3310	Black Hawk Ranch
UCMP	V	33786	Mammalia	Proboscide	Gomphoth	Gomphoth productum		PUBL			V3310	Black Hawk Ranch
UCMP	V	33787	Mammalia	Proboscide	Gomphoth	Gomphoth productum					V3310	Black Hawk Ranch
UCMP	V	33788	Mammalia	Proboscide	Gomphoth	Gomphoth productum					V3310	Black Hawk Ranch
UCMP	V	33789	Mammalia	Proboscide	Gomphoth	Gomphoth productum					V3310	Black Hawk Ranch
UCMP	V	33790	Mammalia	Proboscide	Gomphoth	Gomphoth productum					V3310	Black Hawk Ranch
UCMP	V	33791	Mammalia	Proboscide	Gomphoth	Gomphoth productum					V3310	Black Hawk Ranch
UCMP	V	33792	Mammalia	Proboscide	Gomphoth	Gomphoth productum		PUBL		/M3	V3310	Black Hawk Ranch
UCMP	V	33793	Mammalia	Proboscide	Gomphoth	Gomphoth productum				R /DP4	V3310	Black Hawk Ranch
UCMP	V	33794	Mammalia	Proboscide	Gomphoth	Gomphoth productum					V3310	Black Hawk Ranch
UCMP	V	33795	Mammalia	Proboscide	Gomphoth	Gomphoth productum					V3310	Black Hawk Ranch
UCMP	V	33796	Mammalia	Proboscide	Gomphoth	Gomphoth productum				L /M3	V3310	Black Hawk Ranch
UCMP	V	33797	Mammalia	Proboscide	Gomphoth	Gomphoth productum				R /M1	V3310	Black Hawk Ranch
UCMP	V	33798	Mammalia	Proboscide	Gomphoth	Gomphoth productum				ATLAS,POI	V3310	Black Hawk Ranch
UCMP	V	33799	Mammalia	Proboscide	Gomphoth	Gomphoth productum				FIBULA	V3310	Black Hawk Ranch
UCMP	V	33800	Mammalia	Proboscide	Gomphoth	Gomphoth productum				SCAPULA	V3310	Black Hawk Ranch
UCMP	V	33801	Mammalia	Proboscide	Gomphoth	Gomphoth productum		PUBL			V3310	Black Hawk Ranch
UCMP	V	33802	Mammalia	Proboscide	Gomphoth	Gomphoth productum					V3310	Black Hawk Ranch
UCMP	V	33803	Mammalia	Proboscide	Gomphoth	Gomphoth productum					V3310	Black Hawk Ranch
UCMP	V	33804	Mammalia	Proboscide	Gomphoth	Gomphoth productum					V3310	Black Hawk Ranch
UCMP	V	33805	Mammalia	Proboscide	Gomphoth	Gomphoth productum					V3310	Black Hawk Ranch
UCMP	V	33806	Mammalia	Proboscide	Gomphoth	Gomphoth productum					V3310	Black Hawk Ranch
UCMP	V	33807	Mammalia	Proboscide	Gomphoth	Gomphoth productum				TUSK	V3310	Black Hawk Ranch
UCMP	V	33808	Mammalia	Proboscide	Gomphoth	Gomphoth productum				TUSK	V3310	Black Hawk Ranch
UCMP	V	33809	Mammalia	Proboscide	Gomphoth	Gomphoth productum				TUSK	V3310	Black Hawk Ranch
UCMP	V	33810	Mammalia	Proboscide	Gomphoth	Gomphoth productum				TUSK	V3310	Black Hawk Ranch
UCMP	V	33811	Mammalia	Proboscide	Gomphoth	Gomphoth productum					V3310	Black Hawk Ranch
UCMP	V	33812	Mammalia	Proboscide	Gomphoth	Gomphoth productum					V3310	Black Hawk Ranch
UCMP	V	33813	Mammalia	Proboscide	Gomphoth	Gomphoth productum					V3310	Black Hawk Ranch
UCMP	V	33814	Mammalia	Proboscide	Gomphoth	Gomphoth productum					V3310	Black Hawk Ranch
UCMP	V	33815	Mammalia	Proboscide	Gomphoth	Gomphoth productum					V3310	Black Hawk Ranch
UCMP	V	33816	Mammalia	Proboscide	Gomphoth	Gomphoth productum					V3310	Black Hawk Ranch
UCMP	V	33817	Mammalia	Proboscide	Gomphoth	Gomphoth productum					V3310	Black Hawk Ranch
UCMP	V	33818	Mammalia	Proboscide	Gomphoth	Gomphoth productum					V3310	Black Hawk Ranch
UCMP	V	33819	Mammalia	Proboscide	Gomphoth	Gomphoth productum					V3310	Black Hawk Ranch
UCMP	V	33820	Mammalia	Proboscide	Gomphoth	Gomphoth productum					V3310	Black Hawk Ranch
UCMP	V	33821	Mammalia	Proboscide	Gomphoth	Gomphoth productum					V3310	Black Hawk Ranch
UCMP	V	33822	Mammalia	Proboscide	Gomphoth	Gomphoth productum					V3310	Black Hawk Ranch
UCMP	V	33823	Mammalia	Proboscide	Gomphoth	Gomphoth productum				FEMUR	V3310	Black Hawk Ranch
UCMP	V	33824	Mammalia	Proboscide	Gomphoth	Gomphoth productum					V3310	Black Hawk Ranch
UCMP	V	33825	Mammalia	Proboscide	Gomphoth	Gomphoth productum				TUSK	V3310	Black Hawk Ranch
UCMP	V	33826	Aves							HUMERUS	V3310	Black Hawk Ranch
UCMP	V	33827	Aves							HUMERUS	V3310	Black Hawk Ranch
UCMP	V	33828	Aves							HUMERUS	V3310	Black Hawk Ranch
UCMP	V	33829	Mammalia	Carnivora	Mustelidae					/M1	V3310	Black Hawk Ranch
UCMP	V	33830	Mammalia	Carnivora						DP	V3310	Black Hawk Ranch
UCMP	V	34086	Mammalia	Perissodac	Equidae	Hipparion	forcei	FIG	Richey, K.A. 1948. UCPGS 28, fig	P2/	V3310	Black Hawk Ranch
UCMP	V	34087	Mammalia	Perissodac	Equidae	Hipparion	forcei	FIG	Richey, K.A. 1948. UCPGS 28, fig	P2/	V3310	Black Hawk Ranch
UCMP	V	34088	Mammalia	Perissodac	Equidae	Hipparion	forcei	FIG	Richey, K.A. 1948. UCPGS 28, fig	/P2	V3310	Black Hawk Ranch
UCMP	V	34089	Mammalia	Perissodac	Equidae	Hipparion	forcei	FIG	Richey, K.A. 1948. UCPGS 28, fig	/P2	V3310	Black Hawk Ranch
UCMP	V	34090	Mammalia	Perissodac	Equidae	Hipparion	forcei	FIG	Richey, K.A. 1948. UCPGS 28, fig	/P2	V3310	Black Hawk Ranch
UCMP	V	34091	Mammalia	Perissodac	Equidae	Hipparion	forcei	PUBL	Richey, K.A. 1948. UCPGS 28, p1	/P2	V3310	Black Hawk Ranch
UCMP	V	34092	Mammalia	Perissodac	Equidae	Hipparion	forcei	FIG	Richey, K.A. 1948. UCPGS 28, fig	/P3 OR /P4	V3310	Black Hawk Ranch
UCMP	V	34093	Mammalia	Perissodac	Equidae	Hipparion	forcei	FIG	Richey, K.A. 1948. UCPGS 28, fig	/P3 OR /P4	V3310	Black Hawk Ranch
UCMP	V	34094	Mammalia	Perissodac	Equidae	Hipparion	forcei	FIG	Richey, K.A. 1948. UCPGS 28, fig	/P2	V3310	Black Hawk Ranch
UCMP	V	34095	Mammalia	Perissodac	Equidae	Hipparion	forcei	PUBL	Richey, K.A. 1948. UCPGS 28, p1	/P3 OR /P4	V3310	Black Hawk Ranch
UCMP	V	34096	Mammalia	Perissodac	Equidae	Hipparion	forcei	FIG	Richey, K.A. 1948. UCPGS 28, fig	M1/ OR M2	V3310	Black Hawk Ranch

UCMP	V	34097	Mammalia	Perissodac	Equidae	Hipparion	forcei		FIG	Richey, K.A. 1948. UCPGS 28, fig:	/M2	V3310	Black Hawk	Ranch
UCMP	V	34098	Mammalia	Perissodac	Equidae	Hipparion	forcei		FIG	Richey, K.A. 1948. UCPGS 28, fig:	/M1	V3310	Black Hawk	Ranch
UCMP	V	34099	Mammalia	Perissodac	Equidae	Hipparion	forcei		FIG	Richey, K.A. 1948. UCPGS 28, fig:	/P2	V3310	Black Hawk	Ranch
UCMP	V	34100	Mammalia	Perissodac	Equidae	Hipparion	forcei		FIG	Richey, K.A. 1948. UCPGS 28, figt	M3/	V3310	Black Hawk	Ranch
UCMP	V	34101	Mammalia	Perissodac	Equidae	Hipparion	forcei		FIG	Richey, K.A. 1948. UCPGS 28, figt	M3/	V3310	Black Hawk	Ranch
UCMP	V	34102	Mammalia	Perissodac	Equidae	Hipparion	forcei		FIG	Richey, K.A. 1948. UCPGS 28, fig:	/M3	V3310	Black Hawk	Ranch
UCMP	V	34103	Mammalia	Perissodac	Equidae	Hipparion	forcei		FIG	Richey, K.A. 1948. UCPGS 28, fig:	L+R DENT/	V3310	Black Hawk	Ranch
UCMP	V	34104	Mammalia	Perissodac	Equidae	Hipparion	forcei		FIG	Richey, K.A. 1948. UCPGS 28, fig:	P3/ OR P4/	V3310	Black Hawk	Ranch
UCMP	V	34105	Mammalia	Perissodac	Equidae	Hipparion	forcei		FIG	Richey, K.A. 1948. UCPGS 28, figt	P3/ OR P4/	V3310	Black Hawk	Ranch
UCMP	V	34106	Mammalia	Perissodac	Equidae	Hipparion					P2/ OR P3/	V3310	Black Hawk	Ranch
UCMP	V	34107	Mammalia	Perissodac	Equidae	Hipparion					M3/	V3310	Black Hawk	Ranch
UCMP	V	34108	Mammalia	Perissodac	Equidae	Hipparion					TEETH/	V3310	Black Hawk	Ranch
UCMP	V	34109	Mammalia	Perissodac	Equidae	Hipparion					/P4-M3	V3310	Black Hawk	Ranch
UCMP	V	34110	Mammalia	Perissodac	Equidae	Hipparion					DP2-P3/	V3310	Black Hawk	Ranch
UCMP	V	34111	Mammalia	Perissodac	Equidae	Pliohippus	leardi		FIG	Richey, K.A. 1948. UCPGS 28, fig:	P2/	V3310	Black Hawk	Ranch
UCMP	V	34501	Mammalia	Perissodac	Equidae	Hipparion	forcei		FIG	Richey, K.A. 1948. UCPGS 28, figt	DP2/	V3310	Black Hawk	Ranch
UCMP	V	34502	Mammalia	Perissodac	Equidae	Hipparion	forcei		FIG	Richey, K.A. 1948. UCPGS 28, figt	DP2/	V3310	Black Hawk	Ranch
UCMP	V	34503	Mammalia	Perissodac	Equidae	Hipparion	forcei		FIG	Richey, K.A. 1948. UCPGS 28, figt	DP3/	V3310	Black Hawk	Ranch
UCMP	V	34504	Mammalia	Perissodac	Equidae	Hipparion	forcei		FIG	Richey, K.A. 1948. UCPGS 28, figt	DP3/ or DF	V3310	Black Hawk	Ranch
UCMP	V	34505	Mammalia	Perissodac	Equidae	Hipparion	forcei		FIG	Richey, K.A. 1948. UCPGS 28, figt	DP3/ or DF	V3310	Black Hawk	Ranch
UCMP	V	34506	Mammalia	Perissodac	Equidae	Hipparion	forcei		FIG	Richey, K.A. 1948. UCPGS 28, figt	DP4/	V3310	Black Hawk	Ranch
UCMP	V	34507	Mammalia	Perissodac	Equidae	Hipparion	forcei		FIG	Richey, K.A. 1948. UCPGS 28, figt	DP4/	V3310	Black Hawk	Ranch
UCMP	V	34508	Mammalia	Perissodac	Equidae	Hipparion	forcei		FIG	Richey, K.A. 1948. UCPGS 28, fig:	/DP2	V3310	Black Hawk	Ranch
UCMP	V	34509	Mammalia	Perissodac	Equidae	Hipparion	forcei		FIG	Richey, K.A. 1948. UCPGS 28, fig:	/DP3	V3310	Black Hawk	Ranch
UCMP	V	34510	Mammalia	Perissodac	Equidae	Hipparion	forcei		FIG	Richey, K.A. 1948. UCPGS 28, fig:	/DP4	V3310	Black Hawk	Ranch
UCMP	V	34511	Mammalia	Perissodac	Equidae	Hipparion			PUBL	Richey, K.A. 1948. UCPGS 28, fig:	SKULL	V3310	Black Hawk	Ranch
UCMP	V	34512	Mammalia	Carnivora	Felidae	Nimravide	thinobates		FIG	MacDonald, J.R. 1948. UCPGS 28	SKULL	V3310	Black Hawk	Ranch
UCMP	V	34513	Mammalia	Carnivora	Felidae	Nimravide	thinobates		TYPE	MacDonald, J.R. 1948. UCPGS 28	R DENTAR'	V3310	Black Hawk	Ranch
UCMP	V	34514	Mammalia	Carnivora	Felidae	Nimravide	thinobates		PUBL	MacDonald, J.R. 1948. UCPGS 28	R DENTAR'	V3310	Black Hawk	Ranch
UCMP	V	34515	Mammalia	Carnivora	Canidae	Borophagu	littoralis		FIG	MacDonald, J.R. 1948. UCPGS 28	SKULL	V3310	Black Hawk	Ranch
UCMP	V	34594	Mammalia	Perissodac	Equidae	Pliohippus	leardi		FIG	Richey, K.A. 1948. UCPGS 28, pla	PROX PHA	V3310	Black Hawk	Ranch
UCMP	V	34595	Mammalia	Perissodac	Equidae	Pliohippus	leardi		FIG	Richey, K.A. 1948. UCPGS 28, fig:	/P4	V3310	Black Hawk	Ranch
UCMP	V	34596	Mammalia	Perissodac	Equidae	Pliohippus					I1/	V3310	Black Hawk	Ranch
UCMP	V	34597	Mammalia	Perissodac	Equidae	Dinohippu	leardi		PUBL	Richey, K.A. 1948. UCPGS 28, fig:	DENTARY	V3310	Black Hawk	Ranch
UCMP	V	34598	Mammalia	Perissodac	Equidae	Hipparion	forcei				/M3	V3310	Black Hawk	Ranch
UCMP	V	34602	Mammalia	Perissodac	Equidae			Hipparionini			PROX PHA	V3310	Black Hawk	Ranch
UCMP	V	34603	Mammalia	Perissodac	Equidae	Hipparion					CHEEK TEI	V3310	Black Hawk	Ranch
UCMP	V	34604	Mammalia	Perissodac	Equidae	Hipparion	forcei		PUBL	Richey, K.A. 1948. UCPGS 28, p9	TIBIA	V3310	Black Hawk	Ranch
UCMP	V	34605	Mammalia	Perissodac	Equidae	Hipparion	forcei		FIG	Richey, K.A. 1948. UCPGS 28, pla	METACARI	V3310	Black Hawk	Ranch
UCMP	V	34606	Mammalia	Perissodac	Equidae	Hipparion	forcei		FIG	Richey, K.A. 1948. UCPGS 28, pla	metatarsa	V3310	Black Hawk	Ranch
UCMP	V	34607	Mammalia	Perissodac	Equidae			Hipparionini			L METATAI	V3310	Black Hawk	Ranch
UCMP	V	34609	Mammalia	Perissodac	Equidae			Hipparionini				V3310	Black Hawk	Ranch
UCMP	V	34610	Mammalia	Perissodac	Equidae			Hipparionini			R METATAI	V3310	Black Hawk	Ranch
UCMP	V	34611	Mammalia	Perissodac	Equidae			Hipparionini			L METATAI	V3310	Black Hawk	Ranch
UCMP	V	34612	Mammalia	Perissodac	Equidae			Hipparionini			LATERAL M	V3310	Black Hawk	Ranch
UCMP	V	34613	Mammalia	Perissodac	Equidae			Hipparionini			FEMUR	V3310	Black Hawk	Ranch
UCMP	V	34614	Mammalia	Rodentia	Sciuridae	Otospermophilus					L DENTAR'	V3310	Black Hawk	Ranch
UCMP	V	34615	Mammalia	Carnivora	Mustelidae			Mustelinae	FIG	MacDonald, J.R. 1948. UCPGS 28	L p/3 or p/4	V3310	Black Hawk	Ranch
UCMP	V	34616	Mammalia	Rodentia							TEETH	V3310	Black Hawk	Ranch
UCMP	V	34617	Mammalia	Carnivora				Fissipeda			/M1	V3310	Black Hawk	Ranch
UCMP	V	34618	Mammalia	Carnivora	Canidae	Vulpes	vafer		FIG	MacDonald, J.R. 1948. UCPGS 28	DENTARY '	V3310	Black Hawk	Ranch
UCMP	V	34620	Mammalia	Perissodac	Equidae			Hipparionini			DIST LATEI	V3310	Black Hawk	Ranch
UCMP	V	34621	Mammalia	Perissodac	Equidae	Hipparion	forcei		PUBL	Richey, K.A. 1948. UCPGS 28, p2	TIBIA	V3310	Black Hawk	Ranch
UCMP	V	34622	Mammalia	Perissodac	Equidae	Pliohippus	leardi		FIG	Richey, K.A. 1948. UCPGS 28, pla	I, median p	V3310	Black Hawk	Ranch
UCMP	V	34623	Mammalia	Carnivora	Canidae	Borophagu	littoralis		FIG	MacDonald, J.R. 1948. UCPGS 28	DENTARY '	V3310	Black Hawk	Ranch
UCMP	V	34624	Mammalia	Artiodactyl	Camelidae	Procamelus					DENTARY I	V3310	Black Hawk	Ranch
UCMP	V	34625	Mammalia	Artiodactyl	Camelidae	Procamelus					MAXILLA W	V3310	Black Hawk	Ranch
UCMP	V	34626	Mammalia	Artiodactyl	Camelidae	Procamelus					M2-3/	V3310	Black Hawk	Ranch
UCMP	V	34627	Mammalia	Artiodactyl	Camelidae	Megatylopus					ANT DENT/	V3310	Black Hawk	Ranch
UCMP	V	34628	Mammalia	Proboscide	Gomphoth	Gomphotherium					DENTARY '	V3310	Black Hawk	Ranch
UCMP	V	34629	Mammalia	Proboscide	Gomphoth	Gomphotherium					/M3	V3310	Black Hawk	Ranch
UCMP	V	34630	Mammalia	Proboscide	Gomphoth	Gomphotherium					/M3	V3310	Black Hawk	Ranch
UCMP	V	34631	Mammalia	Proboscide	Gomphoth	Gomphotherium					D TUSK/	V3310	Black Hawk	Ranch
UCMP	V	34632	Mammalia	Proboscide	Gomphoth	Gomphotherium					/D TUSK	V3310	Black Hawk	Ranch
UCMP	V	34633	Mammalia	Proboscide	Gomphoth	Gomphotherium					TEETH	V3310	Black Hawk	Ranch
UCMP	V	34635	Mammalia	Proboscide	Gomphoth	Gomphotherium					L HUMERU	V3310	Black Hawk	Ranch
UCMP	V	34636	Mammalia	Proboscide	Gomphoth	Gomphotherium					PALATE	V3310	Black Hawk	Ranch
UCMP	V	34637	Mammalia	Proboscide	Gomphoth	Gomphotherium					DENTARY '	V3310	Black Hawk	Ranch
UCMP	V	34638	Mammalia	Artiodactyl	Tayassuida	Woodburn	grenaderae		FIG	Prothero, D.R.+Pollen, A. 2013. K	R DENTAR'	V3310	Black Hawk	Ranch
UCMP	V	34639	Mammalia	Artiodactyl	Tayassuida	Prosthennops			PUBL	Prothero, D.R.+Pollen, A. 2013. K	TUSK	V3310	Black Hawk	Ranch
UCMP	V	34640	Mammalia	Carnivora	Canidae	Borophagu	littoralis		FIG	MacDonald, J.R. 1948. UCPGS 28	DENTARY '	V3310	Black Hawk	Ranch
UCMP	V	34641	Mammalia	Artiodactyl	Antilocapr	Capromeryx					DENTARIE	V3310	Black Hawk	Ranch
UCMP	V	34642	Mammalia	Artiodactyl	Antilocapr	Capromeryx					ANT DENT/	V3310	Black Hawk	Ranch
UCMP	V	34643	Mammalia	Artiodactyl	Antilocapr	Capromeryx					DENTARY '	V3310	Black Hawk	Ranch

UCMP	V	34644	Mammalia	Artiodactyl	Antilocapr	Capromeryx							MAXILLA W	V3310	Black Hawk Ranch
UCMP	V	34645	Mammalia	Artiodactyl	Antilocapr	Capromeryx							DENTARY \	V3310	Black Hawk Ranch
UCMP	V	34646	Mammalia	Artiodactyl	Antilocapr	Capromeryx							MAXILLA W	V3310	Black Hawk Ranch
UCMP	V	34647	Mammalia	Artiodactyl	Antilocapr	Capromeryx							DENTARY \	V3310	Black Hawk Ranch
UCMP	V	34648	Mammalia	Artiodactyl	Antilocapr	Capromeryx							DENTARY \	V3310	Black Hawk Ranch
UCMP	V	34649	Mammalia	Perissodac	Equidae	Hipparion	forcei		FIG	Richey, K.A. 1948. UCPGS 28, pla			METATARS	V3310	Black Hawk Ranch
UCMP	V	34650	Mammalia	Perissodac	Equidae	Hipparion							METAPODI	V3310	Black Hawk Ranch
UCMP	V	34651	Mammalia	Perissodac	Equidae	Hipparion	forcei		PUBL	Richey, K.A. 1948. UCPGS 28, p9			L FEMUR	V3310	Black Hawk Ranch
UCMP	V	34652	Mammalia	Perissodac	Equidae			Hipparionini					R TIBIA	V3310	Black Hawk Ranch
UCMP	V	34653	Mammalia	Perissodac	Equidae			Hipparionini					RADIUS	V3310	Black Hawk Ranch
UCMP	V	34654	Mammalia	Rodentia	Castoridae	Eucastor							PALATE	V3310	Black Hawk Ranch
UCMP	V	34655	Mammalia	Perissodac	Equidae	Hipparion	forcei		FIG	Richey, K.A. 1948. UCPGS 28, pla			POST MID	V3310	Black Hawk Ranch
UCMP	V	34656	Mammalia	Perissodac	Equidae	Hipparion	forcei		FIG	Richey, K.A. 1948. UCPGS 28, pla			ANT MID D	V3310	Black Hawk Ranch
UCMP	V	34657	Mammalia	Perissodac	Equidae			Hipparionini					LATERAL P	V3310	Black Hawk Ranch
UCMP	V	34658	Mammalia	Perissodac	Equidae			Hipparionini					LATERAL M	V3310	Black Hawk Ranch
UCMP	V	34659	Mammalia	Perissodac	Equidae			Hipparionini					LATERAL U	V3310	Black Hawk Ranch
UCMP	V	34660	Mammalia	Perissodac	Equidae			Hipparionini					MID PHAL/	V3310	Black Hawk Ranch
UCMP	V	34661	Mammalia	Perissodac	Equidae	Hipparion	forcei		FIG	Richey, K.A. 1948. UCPGS 28, pla			LATERAL P	V3310	Black Hawk Ranch
UCMP	V	34662	Mammalia	Perissodac	Equidae	Pliohippus							LATERAL P	V3310	Black Hawk Ranch
UCMP	V	34663	Mammalia	Perissodac	Equidae	Hipparion	forcei		PUBL	Richey, K.A. 1948. UCPGS 28, p9			ASTRAGAL	V3310	Black Hawk Ranch
UCMP	V	34664	Mammalia	Perissodac	Equidae	Pliohippus							CALCANEI	V3310	Black Hawk Ranch
UCMP	V	34665	Mammalia	Artiodactyl	Tayassuida	Prosthennops			PUBL	Prothero, D.R.+Pollen, A. 2013. K			DENTARY \	V3310	Black Hawk Ranch
UCMP	V	34666	Mammalia	Artiodactyl	Camelidae								R DENTAR	V3310	Black Hawk Ranch
UCMP	V	34667	Mammalia	Rodentia	Castoridae	Eucastor							PALATE	V3310	Black Hawk Ranch
UCMP	V	34671	Mammalia	Artiodactyl	Tayassuida	Prosthennops							R+L DENT/	V3310	Black Hawk Ranch
UCMP	V	34672	Mammalia	Artiodactyl	Tayassuida	Prosthennops			PUBL	Prothero, D.R.+Pollen, A. 2013. K			TEETH	V3310	Black Hawk Ranch
UCMP	V	34673	Mammalia	Proboscide	Gomphoth	Gomphoth	productum						/P3	V3310	Black Hawk Ranch
UCMP	V	34674	Mammalia	Artiodactyl	Merycoido	Ticholeptu	major						TOOTH	V3310	Black Hawk Ranch
UCMP	V	34675	Mammalia	Artiodactyl	Merycoido	Ticholeptus							TOOTH	V3310	Black Hawk Ranch
UCMP	V	34676	Mammalia	Rodentia	Castoridae	Eucastor								V3310	Black Hawk Ranch
UCMP	V	34677	Mammalia	Rodentia	Castoridae	Eucastor								V3310	Black Hawk Ranch
UCMP	V	34678	Mammalia	Artiodactyl	Antilocapridae			Merycodontinae					MAXILLA W	V3310	Black Hawk Ranch
UCMP	V	34679	Mammalia	Carnivora	Canidae	Epicyon	diabloensis						P4/,M1/	V3310	Black Hawk Ranch
UCMP	V	34680	Mammalia	Carnivora	Canidae	Epicyon	diabloensis						P3/	V3310	Black Hawk Ranch
UCMP	V	34681	Mammalia	Artiodactyl	Camelidae	Megatylopus							ANT DENT/	V3310	Black Hawk Ranch
UCMP	V	34682	Mammalia	Proboscide	Gomphoth	Gomphoth	productum						R+L UPR JU	V3310	Black Hawk Ranch
UCMP	V	34684	Mammalia	Carnivora	Canidae	Vulpes	vafer		PUBL	MacDonald, J.R. 1948. UCPGS 28			DENTARY \	V3310	Black Hawk Ranch
UCMP	V	34685	Mammalia	Proboscide	Gomphoth	Gomphoth	productum						HUMERUS	V3310	Black Hawk Ranch
UCMP	V	34686	Mammalia	Proboscide	Gomphoth	Gomphoth	productum						UPR TUSK	V3310	Black Hawk Ranch
	V	34687						Vertebrata					misc bone	V3310	Black Hawk Ranch
UCMP	V	34688	Mammalia	Rodentia	Castoridae	Eucastor							DENTARY	V3310	Black Hawk Ranch
UCMP	V	34689	Mammalia	Rodentia	Castoridae	Eucastor	lecontei		PUBL	MacDonald, J.R. 1948. UCPGS 28			M1/	V3310	Black Hawk Ranch
UCMP	V	34690	Mammalia	Carnivora	Canidae	Aelurodon							P1/	V3310	Black Hawk Ranch
UCMP	V	34693	Mammalia	Carnivora	Canidae	Aelurodon	taxoides		PUBL	MacDonald, J.R. 1948. UCPGS 28			M2/	V3310	Black Hawk Ranch
UCMP	V	34694	Mammalia	Carnivora	Canidae	Aelurodon	taxoides		PUBL	Wang, X, Tedford, R.H,+Taylor, B.			P4/,M1/	V3310	Black Hawk Ranch
UCMP	V	34695	Mammalia	Carnivora	Canidae	Borophagu	littoralis		FIG	MacDonald, J.R. 1948. UCPGS 28			r m/1	V3310	Black Hawk Ranch
UCMP	V	34696	Mammalia	Carnivora	Canidae	Aelurodon							M1/	V3310	Black Hawk Ranch
UCMP	V	34697	Mammalia	Carnivora	Canidae	Aelurodon							/M3	V3310	Black Hawk Ranch
UCMP	V	34698	Mammalia	Carnivora	Canidae	Aelurodon							P4/	V3310	Black Hawk Ranch
UCMP	V	34699	Mammalia	Carnivora	Canidae	Aelurodon							/P3	V3310	Black Hawk Ranch
UCMP	V	34700	Mammalia	Carnivora	Canidae	Aelurodon							M2/	V3310	Black Hawk Ranch
UCMP	V	34701	Mammalia	Carnivora	Canidae	Epicyon	diabloensis						P2/	V3310	Black Hawk Ranch
UCMP	V	34702	Mammalia	Carnivora	Canidae	Epicyon	diabloensis						/M2	V3310	Black Hawk Ranch
UCMP	V	34703	Mammalia	Carnivora	Felidae	Pseudaelurus							P3/	V3310	Black Hawk Ranch
UCMP	V	34704	Mammalia	Carnivora	Canidae	Epicyon	diabloensis						P1/	V3310	Black Hawk Ranch
UCMP	V	34705	Aves										LIMB BONI	V3310	Black Hawk Ranch
UCMP	V	34706	Mammalia	Artiodactyl	Antilocapr	Capromeryx							DENTARY I	V3310	Black Hawk Ranch
UCMP	V	34707	Mammalia	Artiodactyl	Tayassuida	Prosthennops							TEETH	V3310	Black Hawk Ranch
UCMP	V	34708	Mammalia	Proboscide	Gomphoth	Gomphoth	productum						TUSK FRA(	V3310	Black Hawk Ranch
UCMP	V	34709	Mammalia	Proboscide	Gomphoth	Gomphoth	productum						TUSK/	V3310	Black Hawk Ranch
UCMP	V	34710	Mammalia	Proboscide	Gomphoth	Gomphoth	productum						P ?	V3310	Black Hawk Ranch
UCMP	V	34711	Mammalia	Artiodactyl	Antilocapridae								DENTARY	V3310	Black Hawk Ranch
UCMP	V	34712	Aves										INNOMINA	V3310	Black Hawk Ranch
UCMP	V	34713	Aves										TARSAL	V3310	Black Hawk Ranch
UCMP	V	34714	Aves										TARSAL	V3310	Black Hawk Ranch
UCMP	V	34715	Aves	Gruiforme:	Gruidae	Grus	conferta		TYPE	Miller, A.H.+Sibley, C.G. 1942. Cc			distal left t	V3310	Black Hawk Ranch
UCMP	V	34716	Mammalia	Carnivora	Canidae	Borophagu	littoralis		PUBL	Baskin, J. 1998. in Tomida et al, N			DENTARY \	V3310	Black Hawk Ranch
UCMP	V	34717	Mammalia	Carnivora	Felidae								UNGUAL P	V3310	Black Hawk Ranch
UCMP	V	34718	Mammalia	Artiodactyl	Camelidae								SKULL	V3310	Black Hawk Ranch
UCMP	V	34723	Mammalia	Artiodactyl	Camelidae	Procamelus							PROX PHA	V3310	Black Hawk Ranch
UCMP	V	34724	Mammalia	Proboscide	Gomphoth	Gomphoth	productum						TOOTH	V3310	Black Hawk Ranch
UCMP	V	34725	Mammalia	Carnivora	Canidae								C	V3310	Black Hawk Ranch
UCMP	V	34726	Mammalia	Perissodac	Equidae	Hipparion							HUMERI	V3310	Black Hawk Ranch
UCMP	V	34727	Mammalia	Proboscide	Gomphoth	Gomphoth	productum						PHALANGI	V3310	Black Hawk Ranch

UCMP	V	34728	Mammalia	Proboscide	Gomphoth	Gomphoth productum						ASTRAGAL	V3310	Black Hawk Ranch
UCMP	V	34729	Mammalia	Proboscide	Gomphoth	Gomphoth productum						CALCANEI	V3310	Black Hawk Ranch
UCMP	V	34730	Mammalia	Proboscide	Gomphoth	Gomphoth productum						ATLAS	V3310	Black Hawk Ranch
UCMP	V	34731	Mammalia	Artiodactyl	Camelidae	Megatylopus						TIBIA	V3310	Black Hawk Ranch
UCMP	V	34732	Mammalia	Perissodac	Equidae	Hipparion						PISIFORM	V3310	Black Hawk Ranch
UCMP	V	34733	Mammalia	Perissodac	Equidae		Hipparionini					NAVICULA	V3310	Black Hawk Ranch
UCMP	V	34734	Mammalia	Perissodac	Equidae		Hipparionini					TRAPEZOII	V3310	Black Hawk Ranch
UCMP	V	34735	Mammalia	Artiodactyl	Camelidae							PATELLA	V3310	Black Hawk Ranch
UCMP	V	34736	Mammalia	Artiodactyl	Camelidae							SCAPHOIL	V3310	Black Hawk Ranch
UCMP	V	34737	Mammalia	Carnivora	Felidae	Nimravide thinobates		PUBL	MacDonald, J.R. 1948. UCPGS 28			HUMERUS	V3310	Black Hawk Ranch
UCMP	V	34738	Mammalia	Perissodac	Equidae	Pliohippus						ECTOCUN	V3310	Black Hawk Ranch
UCMP	V	34739	Mammalia	Perissodac	Equidae		Hipparionini					CUBOID	V3310	Black Hawk Ranch
UCMP	V	34740	Mammalia	Perissodac	Equidae		Hipparionini					LUNAR	V3310	Black Hawk Ranch
UCMP	V	34751	Mammalia	Perissodac	Equidae		Hipparionini					NAVICULA	V3310	Black Hawk Ranch
UCMP	V	34752	Mammalia	Perissodac	Equidae		Hipparionini					NAVICULA	V3310	Black Hawk Ranch
UCMP	V	34753	Mammalia	Perissodac	Equidae		Hipparionini					MAGNUM	V3310	Black Hawk Ranch
UCMP	V	34754	Mammalia	Perissodac	Equidae		Hipparionini					CUNEIFOF	V3310	Black Hawk Ranch
UCMP	V	34755	Mammalia	Perissodac	Equidae		Hipparionini					PATELLA	V3310	Black Hawk Ranch
UCMP	V	34756	Mammalia	Perissodac	Equidae		Hipparionini					SESAMOIC	V3310	Black Hawk Ranch
UCMP	V	34757	Mammalia	Perissodac	Equidae		Hipparionini					PISIFORM	V3310	Black Hawk Ranch
UCMP	V	34758	Mammalia	Perissodac	Equidae		Hipparionini					FIBULA	V3310	Black Hawk Ranch
UCMP	V	34759	Mammalia	Perissodac	Equidae		Hipparionini					SESAMOIC	V3310	Black Hawk Ranch
UCMP	V	34760	Mammalia	Proboscide	Gomphoth	Gomphoth productum						RADIUS	V3310	Black Hawk Ranch
UCMP	V	34791	Mammalia	Artiodactyl	Camelidae							SCAPULAE	V3310	Black Hawk Ranch
UCMP	V	34792	Mammalia	Artiodactyl	Camelidae							RIBS	V3310	Black Hawk Ranch
UCMP	V	34793	Mammalia	Artiodactyl	Camelidae							INNOMINA	V3310	Black Hawk Ranch
UCMP	V	34794	Mammalia	Perissodac	Equidae		Hipparionini					PODIAL	V3310	Black Hawk Ranch
UCMP	V	34795	Mammalia	Artiodactyl	Camelidae							CUNEIFOF	V3310	Black Hawk Ranch
UCMP	V	34796	Mammalia	Artiodactyl	Camelidae							ECTOCUN	V3310	Black Hawk Ranch
UCMP	V	34797	Mammalia	Artiodactyl	Camelidae							NAVICULA	V3310	Black Hawk Ranch
UCMP	V	34798	Mammalia	Artiodactyl	Camelidae							UNCIFORM	V3310	Black Hawk Ranch
UCMP	V	34799	Mammalia	Artiodactyl	Camelidae							TRAPEZOII	V3310	Black Hawk Ranch
UCMP	V	34800	Mammalia	Artiodactyl	Camelidae							LUNAR	V3310	Black Hawk Ranch
UCMP	V	34811	Mammalia	Artiodactyl	Camelidae	Procamelus						MAGNUM	V3310	Black Hawk Ranch
UCMP	V	34812	Mammalia	Artiodactyl	Tayassuid	Prosthennops						ASTRAGAL	V3310	Black Hawk Ranch
UCMP	V	34813	Mammalia	Artiodactyl	Tayassuid	Prosthennops						CALCANEI	V3310	Black Hawk Ranch
UCMP	V	34814	Mammalia	Artiodactyl	Antilocapr	Merycodus						RADIUS	V3310	Black Hawk Ranch
UCMP	V	34815	Mammalia	Artiodactyl	Antilocapridae		Merycodontinae					METATARS	V3310	Black Hawk Ranch
UCMP	V	34816	Mammalia	Carnivora	Felidae							CALCANEI	V3310	Black Hawk Ranch
UCMP	V	34817	Mammalia	Carnivora	Canidae	Epicyon diabloensis						RADIUS	V3310	Black Hawk Ranch
UCMP	V	34818	Mammalia	Carnivora	Canidae							DIST PHAL	V3310	Black Hawk Ranch
UCMP	V	34819	Mammalia	Carnivora			Fissipeda					ULNA	V3310	Black Hawk Ranch
UCMP	V	34820	Mammalia	Carnivora			Fissipeda					PROX RAD	V3310	Black Hawk Ranch
UCMP	V	34821	Mammalia	Carnivora			Fissipeda					ATLAS	V3310	Black Hawk Ranch
UCMP	V	34822	Mammalia	Carnivora			Fissipeda					AXIS	V3310	Black Hawk Ranch
UCMP	V	34823	Mammalia	Carnivora			Fissipeda					ASTRAGAL	V3310	Black Hawk Ranch
UCMP	V	34824	Mammalia	Artiodactyl	Merycoido	Ticholeptu major						UNCIFORM	V3310	Black Hawk Ranch
UCMP	V	34825	Mammalia	Artiodactyl	Antilocapr	Merycodus						HUMERUS	V3310	Black Hawk Ranch
UCMP	V	34826	Mammalia	Carnivora			Fissipeda					SCAPHOLI	V3310	Black Hawk Ranch
UCMP	V	34827	Mammalia	Carnivora			Fissipeda					PODIALS	V3310	Black Hawk Ranch
UCMP	V	34828	Mammalia	Carnivora	Mustelidae	Leptarctus						HUMERUS	V3310	Black Hawk Ranch
UCMP	V	34829	Mammalia	Carnivora	Mustelidae	Leptarctus						ASTRAGAL	V3310	Black Hawk Ranch
UCMP	V	34830	Mammalia				Eutheria					PHALANGI	V3310	Black Hawk Ranch
UCMP	V	34831	Mammalia	Rodentia	Castoridae	Eucastor lecontei						ASTRAGAL	V3310	Black Hawk Ranch
UCMP	V	34832	Mammalia	Carnivora			Fissipeda					CALCANEI	V3310	Black Hawk Ranch
UCMP	V	34833	Mammalia				Eutheria					ULNA	V3310	Black Hawk Ranch
UCMP	V	34834	Mammalia				Eutheria					PATELLAE	V3310	Black Hawk Ranch
UCMP	V	34835	Mammalia	Perissodac	Equidae	Hipparion forcei		FIG	Richey, K.A. 1948. UCPGS 28, fig4			M/	V3310	Black Hawk Ranch
UCMP	V	34836	Mammalia	Perissodac	Equidae	Hipparion forcei		FIG	Richey, K.A. 1948. UCPGS 28, fig4			P3/	V3310	Black Hawk Ranch
UCMP	V	34837	Mammalia	Artiodactyl	Camelidae	Megatylopus						METACARI	V3310	Black Hawk Ranch
UCMP	V	34838	Mammalia	Proboscide	Gomphoth	Gomphoth cingulatum		PUBL	Downs, T. 1952. UCPGS 29, p9			R+L JUV DI	V3310	Black Hawk Ranch
UCMP	V	35503	Mammalia	Artiodactyl	Camelidae	Pliauchenia						TEETH/	V3310	Black Hawk Ranch
UCMP	V	35504	Mammalia	Artiodactyl	Camelidae	Pliaucheni magnifontis						M/	V3310	Black Hawk Ranch
UCMP	V	35505	Mammalia	Artiodactyl	Camelidae	Megatylopus						PROX PHA	V3310	Black Hawk Ranch
UCMP	V	35506	Mammalia	Artiodactyl	Camelidae	Megatylopus						PROX PHA	V3310	Black Hawk Ranch
UCMP	V	35507	Mammalia	Artiodactyl	Camelidae	Megatylopus						PROX PHA	V3310	Black Hawk Ranch
UCMP	V	35508	Mammalia	Artiodactyl	Camelidae	Megatylopus						METACARI	V3310	Black Hawk Ranch
UCMP	V	35509	Mammalia	Artiodactyl	Camelidae	Megatylopus						HUMERUS	V3310	Black Hawk Ranch
UCMP	V	35510	Mammalia	Artiodactyl	Camelidae	Procamelus						P3/	V3310	Black Hawk Ranch
UCMP	V	35511	Mammalia	Perissodac	Equidae	Hipparion forcei		FIG	Richey, K.A. 1948. UCPGS 28, fig5			DP3/ or DF	V3310	Black Hawk Ranch
UCMP	V	35755	Mammalia	Proboscide	Gomphoth	Gomphotherium						TUSK	V3310	Black Hawk Ranch
UCMP	V	37645	Mammalia	Carnivora	Canidae	Osteoborus						MAXILLA	V3310	Black Hawk Ranch
UCMP	V	37646	Mammalia	Carnivora	Canidae	Osteoborus						M1/	V3310	Black Hawk Ranch
UCMP	V	37647	Mammalia	Carnivora	Canidae	Osteoborus						/P4	V3310	Black Hawk Ranch

UCMP	V	37648	Mammalia	Carnivora	Canidae	Osteoborus						C	V3310	Black Hawk Ranch
UCMP	V	37649	Mammalia	Proboscide	Gomphoth	Gomphotherium						HUMERUS	V3310	Black Hawk Ranch
UCMP	V	37650	Mammalia	Proboscide	Gomphoth	Gomphotherium						HUMERUS	V3310	Black Hawk Ranch
UCMP	V	37651	Mammalia	Perissodac	Equidae	Hipparion						/M	V3310	Black Hawk Ranch
UCMP	V	37652	Mammalia	Perissodac	Equidae	Hipparion						METACARF	V3310	Black Hawk Ranch
UCMP	V	37653	Mammalia	Perissodac	Equidae	Hipparion						MID PHAL/	V3310	Black Hawk Ranch
UCMP	V	37654	Mammalia	Perissodac	Equidae	Equus						METAPODI	V3310	Black Hawk Ranch
UCMP	V	37655	Mammalia	Artiodactyl	Camelidae	Megatylopus						ULNA FRA(	V3310	Black Hawk Ranch
UCMP	V	37656	Mammalia	Artiodactyl	Tayassuid	Prosthennops						DENTARY I	V3310	Black Hawk Ranch
UCMP	V	37657	Mammalia	Artiodactyl	Antilocapr	Merycodus						TEETH,POI	V3310	Black Hawk Ranch
UCMP	V	37658	Mammalia	Artiodactyl	Antilocapr	Merycodus						METAPODI	V3310	Black Hawk Ranch
UCMP	V	37659	Mammalia	Artiodactyl	Antilocapr	Merycodus						METAPODI	V3310	Black Hawk Ranch
UCMP	V	37861	Mammalia	Perissodac	Equidae	Hipparion	forcei		PUBL	Richey, K.A. 1948. UCPGS 28, p1(		R M2/	V3310	Black Hawk Ranch
UCMP	V	38051	Mammalia	Proboscide	Gomphoth	Gomphotherium						M/	V3310	Black Hawk Ranch
UCMP	V	38156	Mammalia	Carnivora	Canidae	Aelurodon						/M1	V3310	Black Hawk Ranch
UCMP	V	38157	Mammalia	Artiodactyl	Camelidae	Megatylopus						DP	V3310	Black Hawk Ranch
UCMP	V	38158	Mammalia	Artiodactyl	Antilocapr	Capromeryx						L HUMERU	V3310	Black Hawk Ranch
UCMP	V	38159	Mammalia	Proboscide	Gomphoth	Gomphotherium						DP	V3310	Black Hawk Ranch
UCMP	V	38169	Mammalia	Carnivora	Canidae	Borophagu	littoralis		FIG	MacDonald, J.R. 1948. UCPGS 28		L DENTAR\	V3310	Black Hawk Ranch
UCMP	V	39338	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					DP	V3310	Black Hawk Ranch
UCMP	V	39339	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					R FEMUR	V3310	Black Hawk Ranch
UCMP	V	39340	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					TUSK	V3310	Black Hawk Ranch
UCMP	V	39341	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					L RADIUS	V3310	Black Hawk Ranch
UCMP	V	39342	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					FEMUR FR/	V3310	Black Hawk Ranch
UCMP	V	39343	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					R HUMERU	V3310	Black Hawk Ranch
UCMP	V	39344	Mammalia	Proboscide	Gomphoth	Gomphoth	productum		PUBL			CHEEK TO\	V3310	Black Hawk Ranch
UCMP	V	39345	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					TIBIA	V3310	Black Hawk Ranch
UCMP	V	39346	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					RADIUS,UI	V3310	Black Hawk Ranch
UCMP	V	39347	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					LIMB BONI	V3310	Black Hawk Ranch
UCMP	V	39348	Mammalia	Proboscide	Gomphoth	Gomphoth	productum						V3310	Black Hawk Ranch
UCMP	V	39349	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					TOOTH FR/	V3310	Black Hawk Ranch
UCMP	V	39350	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					TUSK FRA(	V3310	Black Hawk Ranch
UCMP	V	39351	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					DHEEK TO\	V3310	Black Hawk Ranch
UCMP	V	39352	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					L DENTAR\	V3310	Black Hawk Ranch
UCMP	V	39353	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					R HUMERU	V3310	Black Hawk Ranch
UCMP	V	39354	Mammalia	Proboscide	Gomphoth	Gomphoth	cingulatum		PUBL	Downs, T. 1952. UCPGS 29, p9		L JUV DEN	V3310	Black Hawk Ranch
UCMP	V	39355	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					CHEEK TO	V3310	Black Hawk Ranch
UCMP	V	39356	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					/CHEEK TC	V3310	Black Hawk Ranch
UCMP	V	39357	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					L ULNA	V3310	Black Hawk Ranch
UCMP	V	39358	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					ATLAS	V3310	Black Hawk Ranch
UCMP	V	39359	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					L HUMERU	V3310	Black Hawk Ranch
UCMP	V	39360	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					TIBIA FRA(	V3310	Black Hawk Ranch
UCMP	V	39367	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					L HUMERU	V3310	Black Hawk Ranch
UCMP	V	39368	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					L DENTAR\	V3310	Black Hawk Ranch
UCMP	V	39369	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					L ULNA FR/	V3310	Black Hawk Ranch
UCMP	V	39370	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					FIBULA	V3310	Black Hawk Ranch
UCMP	V	39379	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					R RADIUS,	V3310	Black Hawk Ranch
UCMP	V	39380	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					DIST HUMI	V3310	Black Hawk Ranch
UCMP	V	39381	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					R HUMERU	V3310	Black Hawk Ranch
UCMP	V	39382	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					L HUMERU	V3310	Black Hawk Ranch
UCMP	V	39383	Mammalia	Proboscide	Gomphoth	Gomphoth	productum						V3310	Black Hawk Ranch
UCMP	V	39385	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					R TIBIA FR/	V3310	Black Hawk Ranch
UCMP	V	39386	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					TIBIA FRA(	V3310	Black Hawk Ranch
UCMP	V	39387	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					R TIBIA FR/	V3310	Black Hawk Ranch
UCMP	V	39392	Mammalia	Artiodactyl	Camelidae							CERVICAL	V3310	Black Hawk Ranch
UCMP	V	39393	Mammalia	Artiodactyl	Camelidae							DORSAL V	V3310	Black Hawk Ranch
UCMP	V	39394	Mammalia	Artiodactyl	Camelidae							CERVICAL	V3310	Black Hawk Ranch
UCMP	V	39395	Mammalia	Artiodactyl	Camelidae							METACARF	V3310	Black Hawk Ranch
UCMP	V	39396	Mammalia	Artiodactyl	Camelidae	Megatylopus						RADIUS,UI	V3310	Black Hawk Ranch
UCMP	V	39397	Mammalia	Artiodactyl	Camelidae							RADIUS,UI	V3310	Black Hawk Ranch
UCMP	V	39398	Mammalia	Artiodactyl	Camelidae							PROX PHA	V3310	Black Hawk Ranch
UCMP	V	39399	Mammalia	Artiodactyl	Camelidae	Megatylopus						PROX PHA	V3310	Black Hawk Ranch
UCMP	V	39400	Mammalia	Artiodactyl	Antilocapr	Merycodus						METATARS	V3310	Black Hawk Ranch
UCMP	V	39402	Mammalia	Perissodac	Equidae			Hipparionini				METATARS	V3310	Black Hawk Ranch
UCMP	V	39403	Mammalia	Perissodac	Equidae			Hipparionini				METAPODI	V3310	Black Hawk Ranch
UCMP	V	39404	Mammalia	Carnivora	Canidae	Borophagu	littoralis		PUBL	Wang, X, Tedford, R.H,+Taylor, B.		L MAXILLA	V3310	Black Hawk Ranch
UCMP	V	39405	Mammalia	Artiodactyl	Camelidae							FEMUR	V3310	Black Hawk Ranch
UCMP	V	39406	Mammalia	Artiodactyl	Camelidae	Megatylopus						RADIO-ULI	V3310	Black Hawk Ranch
UCMP	V	39407	Mammalia	Artiodactyl	Camelidae	Megatylopus						RADIO-ULI	V3310	Black Hawk Ranch
UCMP	V	39408	Mammalia	Artiodactyl	Camelidae	Megatylopus						RADIO-ULI	V3310	Black Hawk Ranch
UCMP	V	39409	Mammalia	Artiodactyl	Camelidae	Megatylopus						RADIO-ULI	V3310	Black Hawk Ranch
UCMP	V	39411	Mammalia	Artiodactyl	Camelidae							HUMERUS	V3310	Black Hawk Ranch
UCMP	V	39412	Mammalia	Artiodactyl	Camelidae	Megatylopus						HUMERUS	V3310	Black Hawk Ranch
UCMP	V	39413	Mammalia	Artiodactyl	Camelidae							HUMERUS	V3310	Black Hawk Ranch

UCMP	V	39414	Mammalia	Artiodactyl	Camelidae								ULNA	V3310	Black Hawk Ranch
UCMP	V	39415	Mammalia	Artiodactyl	Camelidae	Procamelus							METATARS	V3310	Black Hawk Ranch
UCMP	V	39416	Mammalia	Artiodactyl	Camelidae	Megatylopus							HUMERUS	V3310	Black Hawk Ranch
UCMP	V	39417	Mammalia	Artiodactyl	Camelidae	Megatylopus							HUMERUS	V3310	Black Hawk Ranch
UCMP	V	39418	Mammalia	Artiodactyl	Camelidae	Procamelus							METACARI	V3310	Black Hawk Ranch
UCMP	V	39419	Mammalia	Proboscide	Gomphoth	Gomphoth	productum						TOOTH	V3310	Black Hawk Ranch
UCMP	V	39420	Mammalia	Proboscide	Gomphoth	Gomphoth	productum						TOOTH	V3310	Black Hawk Ranch
UCMP	V	39421	Mammalia	Proboscide	Gomphoth	Gomphoth	productum						TOOTH	V3310	Black Hawk Ranch
UCMP	V	39422	Mammalia	Proboscide	Gomphoth	Gomphoth	productum						TOOTH	V3310	Black Hawk Ranch
UCMP	V	39424	Mammalia	Proboscide	Gomphoth	Gomphoth	productum						TOOTH	V3310	Black Hawk Ranch
UCMP	V	39425	Mammalia	Proboscide	Gomphoth	Gomphoth	productum						TOOTH	V3310	Black Hawk Ranch
UCMP	V	39426	Mammalia	Proboscide	Gomphoth	Gomphoth	productum						/LM1	V3310	Black Hawk Ranch
UCMP	V	39427	Mammalia	Artiodactyl	Camelidae	Megatylopus							DP4/	V3310	Black Hawk Ranch
UCMP	V	39428	Mammalia	Proboscide	Gomphoth	Gomphoth	productum						PATELLA	V3310	Black Hawk Ranch
UCMP	V	39429	Mammalia	Artiodactyl	Camelidae	Megatylopus							RADIUS,UI	V3310	Black Hawk Ranch
UCMP	V	39431	Mammalia	Perissodac	Equidae			Hipparionini					DIST TIBIA	V3310	Black Hawk Ranch
UCMP	V	39432	Mammalia	Perissodac	Equidae	Pliohippus							PHALANX	V3310	Black Hawk Ranch
UCMP	V	39433	Mammalia	Artiodactyl	Antilocapr	Merycodus							L+R DENT/	V3310	Black Hawk Ranch
UCMP	V	39468	Mammalia	Artiodactyl	Antilocapr	Capromeryx							TEETH	V3310	Black Hawk Ranch
UCMP	V	39469	Mammalia	Artiodactyl	Antilocapr	Capromeryx							VERTEBRA	V3310	Black Hawk Ranch
UCMP	V	39470	Mammalia	Artiodactyl	Tayassuida	Woodburn	grenaderae		FIG	Prothero, D.R.+Pollen, A. 2013. K			PARTIAL C	V3310	Black Hawk Ranch
UCMP	V	39472	Mammalia	Carnivora	Canidae	Epicyon	diabloensis						VERTEBRA	V3310	Black Hawk Ranch
UCMP	V	39491	Mammalia	Carnivora	Canidae	Borophagu	littoralis		PUBL	Wang, X, Tedford, R.H,+Taylor, B.			r maxilla w	V3310	Black Hawk Ranch
UCMP	V	39492	Mammalia	Carnivora	Canidae	Epicyon	diabloensis						TEETH	V3310	Black Hawk Ranch
UCMP	V	39493	Mammalia	Carnivora	Canidae	Borophagu	littoralis		PUBL	Wang, X, Tedford, R.H,+Taylor, B.			r maxilla w	V3310	Black Hawk Ranch
UCMP	V	39494	Mammalia	Carnivora	Canidae	Epicyon	diabloensis						LIMB BONI	V3310	Black Hawk Ranch
UCMP	V	39495	Aves										HUMERUS	V3310	Black Hawk Ranch
UCMP	V	39496	Mammalia	Artiodactyl	Merycoido	Ticholeptu	major						TOOTH	V3310	Black Hawk Ranch
UCMP	V	39497	Mammalia	Carnivora	Canidae	Vulpes							TOOTH	V3310	Black Hawk Ranch
UCMP	V	39498	Mammalia	Carnivora	Canidae	Aelurodon	taxoides		PUBL	Wang, X, Tedford, R.H,+Taylor, B.			TEETH	V3310	Black Hawk Ranch
UCMP	V	39499	Mammalia	Perissodac	Equidae			Hipparionini					DENTARY	V3310	Black Hawk Ranch
UCMP	V	39500	Mammalia	Proboscide	Gomphoth	Gomphoth	productum						FEMUR	V3310	Black Hawk Ranch
UCMP	V	39501	Mammalia	Artiodactyl	Camelidae								PODIAL FR	V3310	Black Hawk Ranch
UCMP	V	39502	Mammalia	Artiodactyl	Camelidae								MESOCUN	V3310	Black Hawk Ranch
UCMP	V	39503	Mammalia	Proboscide	Gomphoth	Gomphoth	productum						VERTEBRA	V3310	Black Hawk Ranch
UCMP	V	39504	Mammalia	Carnivora	Felidae			Machairodontinae					TOOTH	V3310	Black Hawk Ranch
UCMP	V	39506	Mammalia	Artiodactyl	Antilocapridae								DENTARY	V3310	Black Hawk Ranch
UCMP	V	39507	Mammalia	Perissodac	Equidae	Neohipparion							/M2	V3310	Black Hawk Ranch
UCMP	V	39508	Mammalia	Proboscide	Gomphoth	Gomphoth	productum						DENTARY	V3310	Black Hawk Ranch
UCMP	V	39509	Mammalia	Proboscide	Gomphoth	Gomphoth	productum						TUSK	V3310	Black Hawk Ranch
UCMP	V	39510	Mammalia	Carnivora	Felidae								LIMB BONI	V3310	Black Hawk Ranch
UCMP	V	40411	Mammalia	Artiodactyl	Tayassuida	Prosthennops							DENTARY I	V3310	Black Hawk Ranch
UCMP	V	40412	Mammalia	Artiodactyl	Antilocapr	Capromeryx							DENTARY \	V3310	Black Hawk Ranch
UCMP	V	43900	Mammalia	Carnivora	Canidae	Osteoborus							DIST RADI	V3310	Black Hawk Ranch
UCMP	V	43901	Mammalia	Carnivora				Fissipeda					DIST HUMI	V3310	Black Hawk Ranch
UCMP	V	43902	Mammalia	Proboscide	Gomphoth	Gomphotherium							DP	V3310	Black Hawk Ranch
UCMP	V	43903	Mammalia	Proboscide	Gomphoth	Gomphotherium							CHEEK TO	V3310	Black Hawk Ranch
UCMP	V	43904	Mammalia	Perissodac	Equidae	Hipparion	forcei						CHEEK TO	V3310	Black Hawk Ranch
UCMP	V	43905	Mammalia	Perissodac	Equidae	Hipparion	forcei						CHEEK TO	V3310	Black Hawk Ranch
UCMP	V	43906	Mammalia	Artiodactyl	Camelidae	Megatylopus							/DP4	V3310	Black Hawk Ranch
UCMP	V	43907	Mammalia	Artiodactyl	Camelidae	Megatylopus							M3/	V3310	Black Hawk Ranch
UCMP	V	43908	Mammalia	Artiodactyl	Camelidae	Procamelus							DENTARY I	V3310	Black Hawk Ranch
UCMP	V	43909	Mammalia	Artiodactyl	Camelidae								DIST META	V3310	Black Hawk Ranch
UCMP	V	43910	Mammalia	Artiodactyl	Camelidae	Megatylopus							CALCANEI	V3310	Black Hawk Ranch
UCMP	V	43911	Mammalia	Artiodactyl	Camelidae								CUNEIFOF	V3310	Black Hawk Ranch
UCMP	V	43912	Mammalia	Artiodactyl	Camelidae								NAVICULA	V3310	Black Hawk Ranch
UCMP	V	43913	Mammalia	Artiodactyl	Camelidae								SCAPHOIL	V3310	Black Hawk Ranch
UCMP	V	43914	Mammalia	Artiodactyl	Tayassuida	Prosthennops							DENTARY I	V3310	Black Hawk Ranch
UCMP	V	43915	Mammalia	Artiodactyl	Tayassuida	Prosthennops							TOOTH FR	V3310	Black Hawk Ranch
UCMP	V	43916	Mammalia	Artiodactyl	Antilocapr	Capromeryx							MAXILLA F	V3310	Black Hawk Ranch
UCMP	V	43917	Mammalia	Artiodactyl	Antilocapr	Capromeryx							DENTARY I	V3310	Black Hawk Ranch
UCMP	V	43918	Mammalia	Artiodactyl	Antilocapr	Capromeryx							DENTARY I	V3310	Black Hawk Ranch
UCMP	V	43919	Mammalia	Artiodactyl	Antilocapr	Capromeryx							R HUMERU	V3310	Black Hawk Ranch
UCMP	V	43920	Mammalia	Artiodactyl	Antilocapr	Capromeryx							DIST HUMI	V3310	Black Hawk Ranch
UCMP	V	43922	Mammalia					Eutheria					VERTEBRA	V3310	Black Hawk Ranch
UCMP	V	43923	Mammalia					Eutheria					PELVIS FR	V3310	Black Hawk Ranch
UCMP	V	43924	Mammalia	Proboscide	Gomphotheriidae								R MAGNUI	V3310	Black Hawk Ranch
UCMP	V	43925	Mammalia					Eutheria					PROX RIB	V3310	Black Hawk Ranch
UCMP	V	43926	Mammalia					Eutheria					TOOTH RO	V3310	Black Hawk Ranch
UCMP	V	43927	Mammalia					Eutheria					PODIAL,P/	V3310	Black Hawk Ranch
	V	43928						Vertebrata					misc bone	V3310	Black Hawk Ranch
UCMP	V	44075	Mammalia	Carnivora	Mustelidae								DENTARY I	V3310	Black Hawk Ranch
UCMP	V	44370	Mammalia	Perissodac	Rhinocerotidae								TOOTH FR	V3310	Black Hawk Ranch
UCMP	V	44541	Mammalia	Rodentia	Castoridae	Eucastor	lecontei						L DENTAR\	V3310	Black Hawk Ranch

UCMP	V	44702	Mammalia	Carnivora	Felidae								PODIALS	V3310	Black Hawk Ranch
UCMP	V	44703	Mammalia	Carnivora	Canidae	Epicyon	diabloensis						PODIALS	V3310	Black Hawk Ranch
UCMP	V	44927	Mammalia	Carnivora	Felidae	Pseudaelurus							DENTARY I	V3310	Black Hawk Ranch
UCMP	V	44933	Mammalia	Proboscide	Gomphoth	Gomphotherium							SKULL,DEI	V3310	Black Hawk Ranch
UCMP	V	44962	Mammalia	Rodentia	Castoridae	Eucastor							CHEEK TEI	V3310	Black Hawk Ranch
UCMP	V	44963	Mammalia	Carnivora	Canidae	Aelurodon	taxoides		PUBL	Wang, X, Tedford, R.H,+Taylor, B.			P FRAGS,/I	V3310	Black Hawk Ranch
UCMP	V	45025	Mammalia	Proboscide	Gomphoth	Gomphotherium							CHEEK TO	V3310	Black Hawk Ranch
UCMP	V	45026	Mammalia	Proboscide	Gomphoth	Gomphotherium							TEETH	V3310	Black Hawk Ranch
UCMP	V	45027	Mammalia	Proboscide	Gomphoth	Gomphotherium							JUV TEETH	V3310	Black Hawk Ranch
UCMP	V	45028	Mammalia	Carnivora				Fissipeda					PROX RAD	V3310	Black Hawk Ranch
UCMP	V	45102	Mammalia	Artiodactyl	Antilocapr	Capromeryx							L MAXILLA	V3310	Black Hawk Ranch
UCMP	V	45103	Mammalia	Artiodactyl	Antilocapr	Capromeryx							MANDIBLE	V3310	Black Hawk Ranch
UCMP	V	45104	Mammalia	Artiodactyl	Antilocapr	Capromeryx							/DP3-4	V3310	Black Hawk Ranch
UCMP	V	45105	Mammalia					Eutheria					PELVIS FR/	V3310	Black Hawk Ranch
UCMP	V	45106	Mammalia	Proboscide	Gomphoth	Gomphotherium							PROX PHA	V3310	Black Hawk Ranch
UCMP	V	45107	Mammalia					Eutheria					CERVICAL	V3310	Black Hawk Ranch
UCMP	V	45108	Mammalia					Eutheria					VERTEBRA	V3310	Black Hawk Ranch
UCMP	V	45233	Mammalia	Perissodac	Equidae	Hipparion							CHEEK TO	V3310	Black Hawk Ranch
UCMP	V	45234	Aves										PROX FEM	V3310	Black Hawk Ranch
UCMP	V	45235	Mammalia	Carnivora	Felidae			Machairodontinae					C/	V3310	Black Hawk Ranch
UCMP	V	45308	Mammalia	Perissodac	Equidae	Hipparion							PODIALS	V3310	Black Hawk Ranch
UCMP	V	45309	Mammalia	Proboscide	Gomphoth	Gomphotherium							P/	V3310	Black Hawk Ranch
UCMP	V	45310	Mammalia	Rodentia	Castoridae	Eucastor								V3310	Black Hawk Ranch
UCMP	V	45311	Mammalia	Carnivora	Canidae	Aelurodon							P	V3310	Black Hawk Ranch
UCMP	V	45312	Mammalia	Artiodactyl	Tayassuida	Prosthennops							ECTOCUN	V3310	Black Hawk Ranch
UCMP	V	45313	Mammalia	Artiodactyl	Camelidae								ECTOCUN	V3310	Black Hawk Ranch
UCMP	V	45321	Mammalia	Perissodac	Equidae	Hipparion							CHEEK TO	V3310	Black Hawk Ranch
UCMP	V	45322	Mammalia	Carnivora	Canidae	Vulpes							MAXILLA W	V3310	Black Hawk Ranch
UCMP	V	45323	Mammalia	Artiodactyl	Antilocapr	Capromeryx							FIBULA	V3310	Black Hawk Ranch
UCMP	V	45324	Mammalia	Artiodactyl	Antilocapr	Capromeryx							MAXILLA F	V3310	Black Hawk Ranch
UCMP	V	45325	Mammalia	Rodentia	Castoridae	Eucastor	lecontei						/P4	V3310	Black Hawk Ranch
UCMP	V	45580	Mammalia	Rodentia	Castoridae	Eucastor	lecontei						P4/	V3310	Black Hawk Ranch
UCMP	V	46091	Mammalia	Artiodactyl	Camelidae	Paracamelus							M2/	V3310	Black Hawk Ranch
UCMP	V	46092	Mammalia	Rodentia	Heteromyi	Perognath	fallax						R+L DENT/	V3310	Black Hawk Ranch
UCMP	V	46886	Mammalia	Perissodactyla									tooth	V3310	Black Hawk Ranch
UCMP	V	47256	Mammalia	Carnivora	Canidae	Aelurodon	taxoides		PUBL	Wang, X, Tedford, R.H,+Taylor, B.			L DENTAR\	V3310	Black Hawk Ranch
UCMP	V	47257	Mammalia	Carnivora	Canidae	Epicyon	diabloensis						L M2/	V3310	Black Hawk Ranch
UCMP	V	47258	Mammalia	Carnivora				Fissipeda					C FRAG	V3310	Black Hawk Ranch
UCMP	V	47259	Mammalia	Carnivora	Felidae								PISIFORM	V3310	Black Hawk Ranch
UCMP	V	47260	Mammalia	Carnivora				Fissipeda					P ?	V3310	Black Hawk Ranch
UCMP	V	47271	Mammalia	Perissodac	Equidae	Hipparion	forcei						TOOTH/	V3310	Black Hawk Ranch
UCMP	V	47272	Mammalia	Perissodac	Equidae	Hipparion	forcei						TOOTH/	V3310	Black Hawk Ranch
UCMP	V	47273	Mammalia	Perissodac	Equidae	Hipparion	forcei						TOOTH/	V3310	Black Hawk Ranch
UCMP	V	47274	Mammalia	Perissodac	Equidae	Hipparion	forcei						DP/	V3310	Black Hawk Ranch
UCMP	V	47275	Mammalia	Perissodac	Equidae	Hipparion	forcei						DP/	V3310	Black Hawk Ranch
UCMP	V	47276	Mammalia	Perissodac	Equidae	Hipparion	forcei						/TOOTH	V3310	Black Hawk Ranch
UCMP	V	47277	Mammalia	Perissodac	Equidae	Hipparion	forcei						/TOOTH	V3310	Black Hawk Ranch
UCMP	V	47278	Mammalia	Perissodac	Equidae	Hipparion	forcei						/DP	V3310	Black Hawk Ranch
UCMP	V	47279	Mammalia	Perissodac	Equidae	Nannippus	forcei						/CHEEK TC	V3310	Black Hawk Ranch
UCMP	V	47280	Mammalia	Perissodac	Equidae	Nannippus	forcei						/CHEEK TC	V3310	Black Hawk Ranch
UCMP	V	47321	Mammalia	Artiodactyl	Antilocapr	Capromeryx							DENTARY I	V3310	Black Hawk Ranch
UCMP	V	47322	Mammalia	Rodentia	Castoridae	Eucastor							TOOTH	V3310	Black Hawk Ranch
UCMP	V	47323	Mammalia	Artiodactyl	Antilocapr	Capromeryx							DENTARY I	V3310	Black Hawk Ranch
UCMP	V	47324	Mammalia	Artiodactyl	Antilocapr	Capromeryx							TEETH	V3310	Black Hawk Ranch
UCMP	V	47325	Mammalia	Artiodactyl	Tayassuida	Woodburn	grenaderae		PUBL	Prothero, D.R.+Pollen, A. 2013. K			TEETH	V3310	Black Hawk Ranch
UCMP	V	47326	Mammalia	Artiodactyl	Camelidae								MESOCUN	V3310	Black Hawk Ranch
UCMP	V	47327	Mammalia	Perissodac	Equidae			Hipparionini					L+R ANT D	V3310	Black Hawk Ranch
UCMP	V	47328	Mammalia	Artiodactyl	Camelidae								TOOTH	V3310	Black Hawk Ranch
UCMP	V	47329	Mammalia	Artiodactyl	Camelidae	Megatylopus							PROX PHA	V3310	Black Hawk Ranch
UCMP	V	47330	Mammalia	Artiodactyl	Camelidae								PISIFORM	V3310	Black Hawk Ranch
UCMP	V	47351	Mammalia	Artiodactyl	Camelidae								PROX PHA	V3310	Black Hawk Ranch
UCMP	V	47352	Mammalia	Artiodactyl	Camelidae								SCAPHOID	V3310	Black Hawk Ranch
UCMP	V	47353	Mammalia	Artiodactyl	Camelidae	Protolabis							ASTRAGAL	V3310	Black Hawk Ranch
UCMP	V	47354	Mammalia	Artiodactyl	Camelidae								LUNAR	V3310	Black Hawk Ranch
UCMP	V	47355	Mammalia	Artiodactyl	Camelidae	Megatylopus							PROX PHA	V3310	Black Hawk Ranch
UCMP	V	47356	Mammalia	Artiodactyl	Camelidae	Procamelus							/M2	V3310	Black Hawk Ranch
UCMP	V	47357	Mammalia	Proboscide	Gomphoth	Gomphotherium							METAPODI	V3310	Black Hawk Ranch
UCMP	V	47358	Mammalia	Proboscide	Gomphoth	Gomphotherium							DP	V3310	Black Hawk Ranch
UCMP	V	49698	Mammalia	Artiodactyl	Camelidae	Megatylopus							CALCANEI	V3310	Black Hawk Ranch
UCMP	V	49743	Mammalia	Perissodac	Equidae	Hipparion	forcei						M/	V3310	Black Hawk Ranch
UCMP	V	49744	Mammalia	Perissodac	Equidae			Hipparionini					TOOTH/	V3310	Black Hawk Ranch
UCMP	V	49745	Mammalia	Perissodac	Equidae			Hipparionini					I	V3310	Black Hawk Ranch
UCMP	V	49746	Mammalia	Artiodactyl	Antilocapr	Capromeryx							P2/	V3310	Black Hawk Ranch
UCMP	V	49747	Mammalia	Proboscide	Gomphoth	Gomphotherium							DIST TUSK	V3310	Black Hawk Ranch

UCMP	V	49748	Mammalia	Proboscide	Gomphoth	Gomphotherium						DIST TUSK	V3310	Black Hawk Ranch
UCMP	V	49749	Mammalia	Proboscide	Gomphoth	Gomphotherium						DIST TUSK	V3310	Black Hawk Ranch
UCMP	V	49750	Mammalia	Artiodactyl	Antilocapr	Capromeryx						ECTOCUN	V3310	Black Hawk Ranch
UCMP	V	49751	Mammalia	Rodentia	Castoridae	Eucastor						TOOTH	V3310	Black Hawk Ranch
UCMP	V	49752	Mammalia	Perissodac	Equidae	Pliohippus						/TOOTH	V3310	Black Hawk Ranch
UCMP	V	49753	Mammalia	Artiodactyl	Antilocapridae							DIST PHAL	V3310	Black Hawk Ranch
UCMP	V	49754	Mammalia	Artiodactyl	Antilocapridae							DIST RADII	V3310	Black Hawk Ranch
UCMP	V	49755	Mammalia	Artiodactyl	Antilocapr	Capromeryx						RIB FRAG	V3310	Black Hawk Ranch
UCMP	V	49756	Mammalia	Carnivora			Fissipeda					TARSAL	V3310	Black Hawk Ranch
UCMP	V	49757	Mammalia	Carnivora			Fissipeda					M3/	V3310	Black Hawk Ranch
UCMP	V	49865	Mammalia	Artiodactyl	Tayassuida	Prosthennops		PUBL	Prothero, D.R.+Pollen, A. 2013. K			MAXILLA F	V3310	Black Hawk Ranch
UCMP	V	53531	Mammalia	Proboscide	Gomphoth	Gomphoth productum						/M3	V3310	Black Hawk Ranch
UCMP	V	53532	Mammalia	Proboscide	Gomphoth	Gomphoth productum						R M2/	V3310	Black Hawk Ranch
UCMP	V	53533	Mammalia	Proboscide	Gomphoth	Gomphoth productum						/L M2	V3310	Black Hawk Ranch
UCMP	V	53534	Mammalia	Proboscide	Gomphoth	Gomphoth productum						P4/	V3310	Black Hawk Ranch
UCMP	V	53535	Mammalia	Proboscide	Gomphoth	Gomphoth productum						L DP3/	V3310	Black Hawk Ranch
UCMP	V	53536	Mammalia	Proboscide	Gomphoth	Gomphoth productum						/R P4	V3310	Black Hawk Ranch
UCMP	V	53537	Mammalia	Proboscide	Gomphoth	Gomphoth productum						/L P4	V3310	Black Hawk Ranch
UCMP	V	53538	Mammalia	Proboscide	Gomphoth	Gomphoth productum						DP2/	V3310	Black Hawk Ranch
UCMP	V	53539	Mammalia	Proboscide	Gomphoth	Gomphoth productum						/P3 ?	V3310	Black Hawk Ranch
UCMP	V	53540	Mammalia	Proboscide	Gomphoth	Gomphoth productum						/DP3	V3310	Black Hawk Ranch
UCMP	V	53541	Osteichthyes									VERTEBRA	V3310	Black Hawk Ranch
UCMP	V	53542	Mammalia	Perissodac	Equidae	Hipparion forcei						M/	V3310	Black Hawk Ranch
UCMP	V	53543	Mammalia	Perissodac	Equidae	Hipparion forcei						DP	V3310	Black Hawk Ranch
UCMP	V	53544	Mammalia	Artiodactyl	Camelidae							UNCIFORM	V3310	Black Hawk Ranch
UCMP	V	53545	Mammalia	Artiodactyl	Camelidae							FIBULA	V3310	Black Hawk Ranch
UCMP	V	53546	Mammalia	Artiodactyl	Antilocapr	Capromeryx						SCAPHOID	V3310	Black Hawk Ranch
UCMP	V	53547	Mammalia	Artiodactyl	Antilocapr	Capromeryx						MAGNUM	V3310	Black Hawk Ranch
UCMP	V	53548	Mammalia	Artiodactyl	Camelidae	Procamelus						/M1	V3310	Black Hawk Ranch
UCMP	V	53549	Mammalia	Artiodactyl	Antilocapr	Capromeryx						DENTARY I	V3310	Black Hawk Ranch
UCMP	V	53550	Mammalia	Rodentia	Castoridae	Eucastor lecontei						TOOTH	V3310	Black Hawk Ranch
UCMP	V	53551	Mammalia	Proboscide	Gomphoth	Gomphoth productum		PUBL				M2/	V3310	Black Hawk Ranch
UCMP	V	53552	Mammalia	Carnivora	Canidae							M	V3310	Black Hawk Ranch
UCMP	V	53553	Mammalia	Carnivora			Fissipeda					PISIFORM	V3310	Black Hawk Ranch
UCMP	V	53880	Mammalia	Artiodactyl	Camelidae	Procamelus						L DENTAR	V3310	Black Hawk Ranch
UCMP	V	53923	Mammalia	Proboscide	Gomphoth	Gomphoth productum		PUBL				R M3/	V3310	Black Hawk Ranch
UCMP	V	53978	Mammalia	Proboscide	Gomphoth	Gomphoth productum						/TUSK	V3310	Black Hawk Ranch
UCMP	V	56278	Mammalia	Perissodac	Equidae	Dinohippu leardi		FIG	Kelly, T.S. 1998. NHMLAC Contrit			PALATE	V3310	Black Hawk Ranch
UCMP	V	56280	Mammalia	Perissodac	Equidae	Nannippus						DP/	V3310	Black Hawk Ranch
UCMP	V	57752	Mammalia	Artiodactyl	Camelidae							SESAMOID	V3310	Black Hawk Ranch
UCMP	V	57753	Mammalia	Perissodac	Equidae	Nannippus						DP/	V3310	Black Hawk Ranch
UCMP	V	57754	Mammalia	Artiodactyl	Merycoido	Ticholeptu major						R CUNEIFC	V3310	Black Hawk Ranch
UCMP	V	57755	Mammalia	Carnivora			Fissipeda					/M	V3310	Black Hawk Ranch
UCMP	V	57756	Mammalia	Artiodactyl	Antilocapr	Capromeryx						DENTARY I	V3310	Black Hawk Ranch
UCMP	V	57757	Mammalia	Artiodactyl	Camelidae							M FRAGS/	V3310	Black Hawk Ranch
UCMP	V	57758	Mammalia	Artiodactyl	Antilocapridae							DIST HUMI	V3310	Black Hawk Ranch
UCMP	V	58073	Mammalia	Artiodactyl	Antilocapridae							CALCANEI	V3310	Black Hawk Ranch
UCMP	V	58074	Mammalia	Artiodactyl	Camelidae							PROX PHA	V3310	Black Hawk Ranch
UCMP	V	58075	Mammalia	Artiodactyl	Tayassuida	Prosthennops						R LUNAR	V3310	Black Hawk Ranch
UCMP	V	58076	Mammalia	Perissodac	Equidae	Nannippus forcei						/L DP2	V3310	Black Hawk Ranch
UCMP	V	58077	Mammalia	Artiodactyl	Camelidae							LUNAR	V3310	Black Hawk Ranch
UCMP	V	58078	Mammalia	Artiodactyl	Antilocapr	Capromeryx						R LUNAR	V3310	Black Hawk Ranch
UCMP	V	58079	Mammalia	Artiodactyl	Antilocapr	Capromeryx						DENTARY I	V3310	Black Hawk Ranch
UCMP	V	58080	Mammalia	Carnivora	Canidae	Osteoborus						M2/	V3310	Black Hawk Ranch
UCMP	V	58081	Mammalia	Artiodactyl	Antilocapridae							R CUNEIFC	V3310	Black Hawk Ranch
UCMP	V	58082	Mammalia	Artiodactyl	Camelidae							C	V3310	Black Hawk Ranch
UCMP	V	58083	Mammalia	Carnivora	Canidae	Osteoborus						PROX PHA	V3310	Black Hawk Ranch
UCMP	V	58084	Mammalia	Carnivora			Fissipeda					PATELLA ?	V3310	Black Hawk Ranch
UCMP	V	58085	Mammalia	Carnivora	Canidae	Borophagu littoralis		PUBL	Wang, X, Tedford, R.H,+Taylor, B.			P4-M1/	V3310	Black Hawk Ranch
UCMP	V	58086	Mammalia	Artiodactyl	Antilocapr	Capromeryx						MAXILLA F	V3310	Black Hawk Ranch
UCMP	V	58087	Mammalia	Perissodac	Equidae	Hipparion						CHEEK TO	V3310	Black Hawk Ranch
UCMP	V	58088	Mammalia	Rodentia	Castoridae	Eucastor lecontei						/R P4	V3310	Black Hawk Ranch
UCMP	V	58089	Mammalia	Artiodactyl	Camelidae							P	V3310	Black Hawk Ranch
UCMP	V	58090	Mammalia	Carnivora			Fissipeda					P	V3310	Black Hawk Ranch
UCMP	V	58091	Mammalia	Artiodactyl	Antilocapridae							ECTOCUN	V3310	Black Hawk Ranch
UCMP	V	58173	Mammalia	Artiodactyl	Antilocapr	Capromeryx						SESAMOID	V3310	Black Hawk Ranch
UCMP	V	58174	Mammalia	Artiodactyl	Antilocapr	Capromeryx						STERNEBR	V3310	Black Hawk Ranch
UCMP	V	58175	Mammalia	Artiodactyl	Camelidae							NAVICULA	V3310	Black Hawk Ranch
UCMP	V	58176	Mammalia	Perissodac	Equidae	Hipparion						CHEEK TO	V3310	Black Hawk Ranch
UCMP	V	58177	Mammalia				Eutheria					M/	V3310	Black Hawk Ranch
UCMP	V	58178	Mammalia	Artiodactyl	Camelidae	Procamelus						/DP3	V3310	Black Hawk Ranch
UCMP	V	58179	Mammalia	Carnivora			Fissipeda					P	V3310	Black Hawk Ranch
UCMP	V	58210	Mammalia	Carnivora	Felidae	Nimravides						RADIUS	V3310	Black Hawk Ranch
UCMP	V	58211	Mammalia	Perissodac	Equidae	Dinohippu leardi		PUBL	Kelly, T.S. 1998. NHMLAC Contrit			DENTARY I	V3310	Black Hawk Ranch

UCMP	V	58212	Mammalia	Perissodac	Equidae	Hipparion					CHEEK TO	V3310	Black Hawk Ranch
UCMP	V	58213	Mammalia				Eutheria				/CHEEK TC	V3310	Black Hawk Ranch
UCMP	V	58214	Mammalia	Artiodactyl	Camelidae	Procamelus					CALCANEI	V3310	Black Hawk Ranch
UCMP	V	58215	Mammalia	Artiodactyl	Camelidae	Megatylopus					DIST TIBIA	V3310	Black Hawk Ranch
UCMP	V	58216	Mammalia	Perissodac	Equidae	Pliohippus					M/	V3310	Black Hawk Ranch
UCMP	V	58217	Mammalia	Proboscide	Gomphoth	Gomphoth productum					R ULNA	V3310	Black Hawk Ranch
UCMP	V	58218	Mammalia	Proboscide	Gomphoth	Gomphoth productum					TUSK	V3310	Black Hawk Ranch
UCMP	V	58259	Mammalia	Artiodactyl	Camelidae	Megatylopus					METATARS	V3310	Black Hawk Ranch
UCMP	V	58260	Mammalia	Carnivora	Canidae						C,CUNEIF(	V3310	Black Hawk Ranch
UCMP	V	58261	Mammalia	Artiodactyl	Camelidae						CALCANEI	V3310	Black Hawk Ranch
UCMP	V	58262	Mammalia	Carnivora	Canidae	Osteoborus					/M2	V3310	Black Hawk Ranch
UCMP	V	58263	Mammalia	Artiodactyl	Camelidae						METAPODI	V3310	Black Hawk Ranch
UCMP	V	58264	Mammalia	Perissodac	Equidae	Hipparion					CHEEK TO	V3310	Black Hawk Ranch
UCMP	V	58265	Mammalia	Perissodac	Equidae	Hipparion					CHEEK TO	V3310	Black Hawk Ranch
UCMP	V	58266	Mammalia	Perissodac	Equidae	Hipparion					DP2-DP4/,	V3310	Black Hawk Ranch
UCMP	V	58267	Mammalia	Artiodactyl	Antilocapr	Capromeryx					DENTARY I	V3310	Black Hawk Ranch
UCMP	V	58268	Mammalia	Artiodactyl	Antilocapr	Capromeryx					M	V3310	Black Hawk Ranch
UCMP	V	58269	Mammalia	Rodentia							I	V3310	Black Hawk Ranch
UCMP	V	58520	Mammalia	Proboscide	Gomphoth	Gomphoth productum					TUSK	V3310	Black Hawk Ranch
UCMP	V	58521	Mammalia	Proboscide	Gomphoth	Gomphoth productum					TUSK	V3310	Black Hawk Ranch
UCMP	V	58522	Mammalia	Proboscide	Gomphoth	Gomphoth productum					/M2	V3310	Black Hawk Ranch
UCMP	V	58523	Mammalia	Proboscide	Gomphoth	Gomphoth productum					TOOTH FR	V3310	Black Hawk Ranch
UCMP	V	58524	Mammalia	Proboscide	Gomphoth	Gomphoth productum					CALCANEI	V3310	Black Hawk Ranch
UCMP	V	58525	Mammalia	Artiodactyl	Camelidae						DIST HUMI	V3310	Black Hawk Ranch
UCMP	V	58526	Mammalia	Artiodactyl	Camelidae						CALCANEI	V3310	Black Hawk Ranch
UCMP	V	58527	Mammalia	Artiodactyl	Camelidae						VERTEBRA	V3310	Black Hawk Ranch
UCMP	V	58528	Mammalia	Artiodactyl	Camelidae	Procamelus					ASTRAGAL	V3310	Black Hawk Ranch
UCMP	V	58529	Mammalia	Artiodactyl	Camelidae	Procamelus					/DP2	V3310	Black Hawk Ranch
UCMP	V	58530	Mammalia	Artiodactyl	Camelidae	Megatylopus					RADIUS-UI	V3310	Black Hawk Ranch
UCMP	V	58531	Mammalia	Artiodactyl	Camelidae						MED PHAL	V3310	Black Hawk Ranch
UCMP	V	58532	Mammalia	Artiodactyl	Camelidae						UNGUAL	V3310	Black Hawk Ranch
UCMP	V	58533	Mammalia	Artiodactyl	Camelidae						MAGNUM	V3310	Black Hawk Ranch
UCMP	V	58534	Mammalia	Artiodactyl	Camelidae	Megatylopus					/P3	V3310	Black Hawk Ranch
UCMP	V	58535	Mammalia	Artiodactyl	Tayassuida	Woodburn grenaderae		PUBL	Prothero, D.R.+Pollen, A. 2013. K		r P3/	V3310	Black Hawk Ranch
UCMP	V	58536	Mammalia	Artiodactyl	Antilocapr	Capromeryx					INNOMINA	V3310	Black Hawk Ranch
UCMP	V	58537	Mammalia	Artiodactyl	Antilocapr	Capromeryx					HUMERUS	V3310	Black Hawk Ranch
UCMP	V	58538	Mammalia	Artiodactyl	Antilocapr	Capromeryx					ASTRAGAL	V3310	Black Hawk Ranch
UCMP	V	58539	Mammalia	Artiodactyl	Tayassuida	Prosthennops					CALCANEI	V3310	Black Hawk Ranch
UCMP	V	58540	Mammalia	Artiodactyl	Antilocapr	Capromeryx					M	V3310	Black Hawk Ranch
UCMP	V	58541	Mammalia	Artiodactyl	Antilocapr	Capromeryx					PROX PHA	V3310	Black Hawk Ranch
UCMP	V	58542	Mammalia	Perissodac	Equidae	Nannippus forcei					P4/	V3310	Black Hawk Ranch
UCMP	V	58543	Mammalia	Perissodac	Equidae	Hipparion					I	V3310	Black Hawk Ranch
UCMP	V	58544	Mammalia	Perissodac	Equidae	Hipparion					/CHEEK TC	V3310	Black Hawk Ranch
UCMP	V	58545	Mammalia	Perissodac	Equidae	Hipparion					METAPODI	V3310	Black Hawk Ranch
UCMP	V	58668	Mammalia	Rodentia	Castoridae	Eucastor					TOOTH	V3310	Black Hawk Ranch
UCMP	V	58669	Mammalia	Perissodac	Equidae		Hipparionini				PHALANX I	V3310	Black Hawk Ranch
UCMP	V	58670	Mammalia	Carnivora	Canidae						C	V3310	Black Hawk Ranch
UCMP	V	58671	Mammalia	Artiodactyl	Tayassuida	Prosthennops					M	V3310	Black Hawk Ranch
UCMP	V	58672	Mammalia	Proboscide	Gomphoth	Gomphoth productum					/DP3 ?	V3310	Black Hawk Ranch
UCMP	V	58673	Mammalia	Perissodac	Equidae	Nannippus					/CHEEK TC	V3310	Black Hawk Ranch
UCMP	V	58674	Mammalia	Carnivora			Fissipeda				C	V3310	Black Hawk Ranch
UCMP	V	58675	Mammalia	Perissodac	Equidae		Hipparionini				/CHEEK TC	V3310	Black Hawk Ranch
UCMP	V	58676	Mammalia	Perissodac	Equidae	Nannippus forcei					CHEEK TO	V3310	Black Hawk Ranch
UCMP	V	58677	Mammalia	Artiodactyl	Camelidae						UNCIFORM	V3310	Black Hawk Ranch
UCMP	V	58678	Mammalia	Carnivora	Canidae	Aelurodon taxoides		PUBL	Wang, X, Tedford, R.H,+Taylor, B.		DENTARY I	V3310	Black Hawk Ranch
UCMP	V	58679	Mammalia	Artiodactyl	Camelidae						/P4	V3310	Black Hawk Ranch
UCMP	V	58680	Mammalia	Artiodactyl	Antilocapr	Capromeryx					JUV DENTA	V3310	Black Hawk Ranch
UCMP	V	61054	Mammalia	Rodentia	Castoridae	Hystricops					/P4	V3310	Black Hawk Ranch
UCMP	V	61393	Mammalia	Proboscide	Gomphoth	Gomphoth productum					TUSK	V3310	Black Hawk Ranch
UCMP	V	61394	Mammalia	Proboscide	Gomphoth	Gomphoth productum					/L M2 ?	V3310	Black Hawk Ranch
UCMP	V	61395	Mammalia	Perissodac	Equidae	Pliohippus					LWR CHEE	V3310	Black Hawk Ranch
UCMP	V	61396	Mammalia	Perissodac	Equidae	Hipparion					UPR CHEE	V3310	Black Hawk Ranch
UCMP	V	61397	Mammalia	Perissodac	Equidae	Hipparion					/ CHEEK T(	V3310	Black Hawk Ranch
UCMP	V	61398	Mammalia	Perissodac	Equidae	Hipparion					/ CHEEK T(	V3310	Black Hawk Ranch
UCMP	V	61399	Mammalia	Rodentia	Castoridae						M	V3310	Black Hawk Ranch
UCMP	V	61400	Mammalia	Carnivora	Canidae	Aelurodon					C,M	V3310	Black Hawk Ranch
UCMP	V	61401	Mammalia	Carnivora	Canidae	Osteoborus					P	V3310	Black Hawk Ranch
UCMP	V	61402	Mammalia	Artiodactyl	Camelidae	Megatylopus					ASTRAGAL	V3310	Black Hawk Ranch
UCMP	V	61403	Mammalia	Artiodactyl	Camelidae	Megatylopus					/DP3	V3310	Black Hawk Ranch
UCMP	V	61404	Mammalia	Artiodactyl	Camelidae	Procamelus					METATARS	V3310	Black Hawk Ranch
UCMP	V	61405	Mammalia	Artiodactyl	Camelidae	Megatylopus					P4/	V3310	Black Hawk Ranch
UCMP	V	61406	Mammalia	Artiodactyl	Antilocapr	Capromeryx					DENTARY I	V3310	Black Hawk Ranch
UCMP	V	61407	Mammalia	Artiodactyl	Camelidae	Megatylopus					PHALANX	V3310	Black Hawk Ranch
UCMP	V	61408	Mammalia	Proboscide	Gomphoth	Gomphoth productum					M	V3310	Black Hawk Ranch

UCMP	V	61409	Mammalia	Proboscide	Gomphoth	Gomphoth productum						TIBIA	V3310	Black Hawk Ranch
UCMP	V	61410	Mammalia	Perissodac	Equidae	Pliohippus						DENTARY	V3310	Black Hawk Ranch
UCMP	V	61451	Mammalia	Artiodactyl	Antilocapr	Capromeryx						UNCIFORM	V3310	Black Hawk Ranch
UCMP	V	61452	Mammalia	Artiodactyl	Antilocapr	Capromeryx						DENTARY I	V3310	Black Hawk Ranch
UCMP	V	61453	Mammalia	Carnivora	Canidae	Aelurodon						CHEEK TO	V3310	Black Hawk Ranch
UCMP	V	61526	Mammalia	Carnivora	Canidae	Osteoborus						M/	V3310	Black Hawk Ranch
UCMP	V	61527	Mammalia	Carnivora			Fissipeda					PHALANX	V3310	Black Hawk Ranch
UCMP	V	61528	Mammalia	Carnivora			Fissipeda					METAPODI	V3310	Black Hawk Ranch
UCMP	V	61529	Mammalia	Artiodactyl	Camelidae							C FRAG	V3310	Black Hawk Ranch
UCMP	V	61530	Mammalia	Carnivora	Canidae	Aelurodon						P4 FRAG/	V3310	Black Hawk Ranch
UCMP	V	61531	Mammalia	Carnivora	Canidae	Osteoborus						P4 FRAG/	V3310	Black Hawk Ranch
UCMP	V	61532	Mammalia	Perissodac	Equidae	Hipparion						CHEEK TO	V3310	Black Hawk Ranch
UCMP	V	61533	Mammalia	Perissodac	Equidae	Hipparion						CHEEK TO	V3310	Black Hawk Ranch
UCMP	V	61534	Mammalia									ATLAS FRA	V3310	Black Hawk Ranch
UCMP	V	61535	Mammalia	Artiodactyl	Camelidae							MAGNUM	V3310	Black Hawk Ranch
UCMP	V	61536	Mammalia	Artiodactyl	Camelidae							TRAPEZOII	V3310	Black Hawk Ranch
UCMP	V	61537	Mammalia	Artiodactyl	Camelidae	Megatylopus						ASTRAGAL	V3310	Black Hawk Ranch
UCMP	V	61538	Mammalia	Artiodactyl	Camelidae	Megatylopus						DIST HUMI	V3310	Black Hawk Ranch
UCMP	V	61539	Mammalia	Artiodactyl	Camelidae	Megatylopus						DIST HUMI	V3310	Black Hawk Ranch
UCMP	V	61540	Mammalia	Artiodactyl	Camelidae							DIST TIBIA	V3310	Black Hawk Ranch
UCMP	V	61541	Mammalia	Artiodactyl	Camelidae	Procamelus						/DP4	V3310	Black Hawk Ranch
UCMP	V	61542	Mammalia	Proboscide	Gomphoth	Gomphoth productum						/R M2	V3310	Black Hawk Ranch
UCMP	V	61543	Mammalia	Artiodactyl	Camelidae							AXIS FRAG	V3310	Black Hawk Ranch
UCMP	V	61544	Mammalia	Artiodactyl	Antilocapr	Capromeryx						DENTARY I	V3310	Black Hawk Ranch
UCMP	V	61545	Mammalia	Artiodactyl	Antilocapr	Capromeryx						DENTARY I	V3310	Black Hawk Ranch
UCMP	V	61546	Mammalia	Artiodactyl	Antilocapr	Capromeryx						DIST FEMU	V3310	Black Hawk Ranch
UCMP	V	61547	Mammalia	Artiodactyl	Antilocapr	Capromeryx						DIST HUMI	V3310	Black Hawk Ranch
UCMP	V	61548	Mammalia	Artiodactyl	Antilocapr	Capromeryx						NAVICULA	V3310	Black Hawk Ranch
UCMP	V	61549	Mammalia									PHALANX I	V3310	Black Hawk Ranch
UCMP	V	62581	Mammalia	Proboscide	Gomphoth	Gomphoth productum						TOOTH FR	V3310	Black Hawk Ranch
UCMP	V	62582	Mammalia	Proboscide	Gomphoth	Gomphoth productum						TOOTH FR	V3310	Black Hawk Ranch
UCMP	V	62583	Mammalia	Perissodac	Equidae	Pliohippus						L M1/	V3310	Black Hawk Ranch
UCMP	V	62584	Mammalia	Perissodac	Equidae	Hipparion						R DP3/	V3310	Black Hawk Ranch
UCMP	V	62585	Mammalia	Artiodactyl	Camelidae							NAVICULA	V3310	Black Hawk Ranch
UCMP	V	62586	Mammalia	Artiodactyl	Camelidae	Megatylopus						METATARS	V3310	Black Hawk Ranch
UCMP	V	62587	Mammalia	Artiodactyl	Antilocapr	Capromeryx						/DP3	V3310	Black Hawk Ranch
UCMP	V	62588	Mammalia	Artiodactyl	Camelidae	Procamelus						M2/	V3310	Black Hawk Ranch
UCMP	V	62589	Mammalia	Perissodac	Equidae	Nannippus forcei						R DP3/	V3310	Black Hawk Ranch
UCMP	V	64405	Mammalia	Carnivora	Felidae	Nimravus						C	V3310	Black Hawk Ranch
UCMP	V	64406	Mammalia	Perissodac	Equidae	Hipparion						/DP4	V3310	Black Hawk Ranch
UCMP	V	64407	Mammalia	Artiodactyl	Camelidae							TRAPEZOII	V3310	Black Hawk Ranch
UCMP	V	64408	Mammalia	Proboscide	Gomphotheriidae							/DP4 ?	V3310	Black Hawk Ranch
UCMP	V	64409	Mammalia	Carnivora	Canidae	Osteoborus						P4/	V3310	Black Hawk Ranch
UCMP	V	64410	Mammalia	Perissodac	Equidae	Nannippus forcei						/CHEEK TC	V3310	Black Hawk Ranch
UCMP	V	64411	Mammalia	Artiodactyl	Antilocapr	Merycodus							V3310	Black Hawk Ranch
UCMP	V	64412	Mammalia	Perissodac	Equidae	Hipparion							V3310	Black Hawk Ranch
UCMP	V	64413	Mammalia	Artiodactyl	Tayassuid	Woodburn grenaderae		PUBL	Prothero, D.R.+Pollen, A. 2013. K			left M3/	V3310	Black Hawk Ranch
UCMP	V	64414	Mammalia	Carnivora	Canidae	Borophagu littoralis		PUBL	Wang, X, Tedford, R.H,+Taylor, B.			left dentar	V3310	Black Hawk Ranch
UCMP	V	64415	Mammalia	Proboscide	Gomphotheriidae								V3310	Black Hawk Ranch
UCMP	V	64732	Mammalia	Perissodac	Equidae	Nannippus forcei						R P3/	V3310	Black Hawk Ranch
UCMP	V	64733	Mammalia	Artiodactyl	Camelidae	Procamelus						ASTRAGAL	V3310	Black Hawk Ranch
UCMP	V	64734	Mammalia	Perissodac	Equidae		Hipparionini					I	V3310	Black Hawk Ranch
UCMP	V	64735	Mammalia	Artiodactyl	Antilocapr	Capromeryx						DENTARY I	V3310	Black Hawk Ranch
UCMP	V	64736	Mammalia	Proboscidea								TOOTH FR	V3310	Black Hawk Ranch
	V	64737					Vertebrata					bone frags	V3310	Black Hawk Ranch
UCMP	V	64738	Mammalia	Artiodactyl	Camelidae							I	V3310	Black Hawk Ranch
UCMP	V	64739	Mammalia	Perissodac	Equidae	Hipparion						CHEEK TO	V3310	Black Hawk Ranch
UCMP	V	64740	Mammalia	Perissodac	Equidae	Hipparion						CHEEK TO	V3310	Black Hawk Ranch
UCMP	V	64741	Mammalia	Perissodac	Equidae	Hipparion						P	V3310	Black Hawk Ranch
UCMP	V	64742	Mammalia	Artiodactyl	Antilocapr	Capromeryx						R TIBIA	V3310	Black Hawk Ranch
UCMP	V	64743	Mammalia	Artiodactyl	Camelidae	Procamelus						P4/	V3310	Black Hawk Ranch
UCMP	V	64744	Mammalia				Eutheria					PODIAL FR	V3310	Black Hawk Ranch
UCMP	V	64745	Mammalia	Carnivora			Fissipeda					/M1	V3310	Black Hawk Ranch
UCMP	V	64746	Mammalia				Eutheria					PODIAL FR	V3310	Black Hawk Ranch
UCMP	V	64747	Mammalia	Perissodac	Equidae	Hipparion						CHEEK TO	V3310	Black Hawk Ranch
UCMP	V	64748	Mammalia	Perissodac	Equidae		Hipparionini					/CHEEK TC	V3310	Black Hawk Ranch
UCMP	V	64749	Mammalia				Eutheria					BONE	V3310	Black Hawk Ranch
UCMP	V	64750	Mammalia	Rodentia	Castoridae	Eucastor						CHEEK TO	V3310	Black Hawk Ranch
UCMP	V	64751	Mammalia	Rodentia	Castoridae	Eucastor						CHEEK TO	V3310	Black Hawk Ranch
UCMP	V	64752	Mammalia	Carnivora			Fissipeda					P FRAG	V3310	Black Hawk Ranch
UCMP	V	65203	Mammalia				Eutheria					BONE	V3310	Black Hawk Ranch
UCMP	V	65204	Mammalia	Rodentia	Castoridae	Eucastor						TOOTH	V3310	Black Hawk Ranch
UCMP	V	65205	Mammalia	Carnivora								/M	V3310	Black Hawk Ranch
UCMP	V	65206	Mammalia	Perissodac	Equidae	Nannippus						DP/	V3310	Black Hawk Ranch

UCMP	V	65207	Mammalia	Perissodac	Equidae			Hipparionini					M/	V3310	Black Hawk Ranch
UCMP	V	65208	Mammalia	Artiodactyl	Antilocapr	Capromeryx							P2-M3/	V3310	Black Hawk Ranch
UCMP	V	65209	Mammalia	Artiodactyl	Camelidae								DIST ULNA	V3310	Black Hawk Ranch
UCMP	V	65210	Mammalia	Artiodactyl	Camelidae	Megatylopus							DIST TIBIA	V3310	Black Hawk Ranch
UCMP	V	65211	Mammalia	Perissodac	Equidae	Pliohippus							M FRAG/	V3310	Black Hawk Ranch
UCMP	V	65212	Mammalia	Perissodac	Equidae	Hipparion							P/	V3310	Black Hawk Ranch
UCMP	V	65213	Mammalia	Carnivora	Canidae	Osteoborus							M1/	V3310	Black Hawk Ranch
UCMP	V	65214	Mammalia	Carnivora	Canidae	Osteoborus							M2/,P2/,P	V3310	Black Hawk Ranch
UCMP	V	65215	Mammalia	Artiodactyl	Antilocapr	Capromeryx							/DP4	V3310	Black Hawk Ranch
UCMP	V	65216	Mammalia	Artiodactyl	Antilocapr	Capromeryx							/P3	V3310	Black Hawk Ranch
UCMP	V	65217	Mammalia	Artiodactyl	Tayassuida	Prosthennops			PUBL	Prothero, D.R.+Pollen, A. 2013. K			DENTARY \	V3310	Black Hawk Ranch
UCMP	V	65218	Mammalia	Artiodactyl	Antilocapr	Capromeryx							/P2	V3310	Black Hawk Ranch
UCMP	V	65219	Mammalia	Artiodactyl	Antilocapr	Capromeryx							P4/	V3310	Black Hawk Ranch
UCMP	V	65220	Mammalia	Artiodactyl	Antilocapr	Capromeryx							P3/	V3310	Black Hawk Ranch
UCMP	V	65221	Mammalia	Perissodac	Equidae	Hipparion							M/	V3310	Black Hawk Ranch
UCMP	V	65222	Mammalia					Eutheria					DENTARY \	V3310	Black Hawk Ranch
UCMP	V	65223	Mammalia	Perissodac	Equidae	Nannippus							DP/	V3310	Black Hawk Ranch
UCMP	V	65620	Mammalia	Perissodac	Equidae	Dinohippu	leardi		FIG	Kelly, T.S. 1998. NHMLAC Contrit			CRANIUM	V3310	Black Hawk Ranch
UCMP	V	65641	Mammalia	Rodentia	Castoridae	Eucastor	lecontei						R P4/	V3310	Black Hawk Ranch
UCMP	V	65642	Mammalia	Rodentia	Castoridae	Eucastor	lecontei						R P4/	V3310	Black Hawk Ranch
UCMP	V	65643	Mammalia	Rodentia	Castoridae	Eucastor	lecontei						L P4/	V3310	Black Hawk Ranch
UCMP	V	65644	Mammalia	Rodentia	Castoridae	Eucastor	lecontei						R P4/	V3310	Black Hawk Ranch
UCMP	V	65645	Mammalia	Rodentia	Castoridae	Eucastor	lecontei						/L P3	V3310	Black Hawk Ranch
UCMP	V	65646	Mammalia	Rodentia	Castoridae	Eucastor	lecontei						R M1 OR M	V3310	Black Hawk Ranch
UCMP	V	65647	Mammalia	Rodentia	Castoridae	Eucastor	lecontei						R M1 OR M	V3310	Black Hawk Ranch
UCMP	V	65648	Mammalia	Rodentia	Castoridae	Eucastor	lecontei						R M1 OR M	V3310	Black Hawk Ranch
UCMP	V	65649	Mammalia	Rodentia	Castoridae	Eucastor	lecontei						/R M3	V3310	Black Hawk Ranch
UCMP	V	65650	Mammalia	Rodentia	Castoridae	Eucastor	lecontei						/R M1 OR M	V3310	Black Hawk Ranch
UCMP	V	65651	Mammalia	Rodentia	Castoridae	Eucastor	lecontei						/L M1 OR M	V3310	Black Hawk Ranch
UCMP	V	65652	Mammalia	Rodentia	Castoridae	Eucastor	lecontei						/R M1 OR M	V3310	Black Hawk Ranch
UCMP	V	65653	Mammalia	Rodentia	Castoridae	Eucastor	lecontei						/L M1 OR M	V3310	Black Hawk Ranch
UCMP	V	65654	Mammalia	Rodentia	Castoridae	Eucastor	lecontei						/L M3	V3310	Black Hawk Ranch
UCMP	V	65655	Mammalia	Rodentia	Castoridae	Eucastor	lecontei						/L M3	V3310	Black Hawk Ranch
UCMP	V	65656	Mammalia	Rodentia	Castoridae	Eucastor	lecontei						/L P4	V3310	Black Hawk Ranch
UCMP	V	65657	Mammalia	Rodentia	Castoridae	Eucastor	lecontei						R P4/	V3310	Black Hawk Ranch
UCMP	V	65658	Mammalia	Rodentia	Castoridae	Eucastor	lecontei						/R M3	V3310	Black Hawk Ranch
UCMP	V	65659	Mammalia	Rodentia	Castoridae	Eucastor	lecontei						/R M3	V3310	Black Hawk Ranch
UCMP	V	65660	Mammalia	Rodentia	Castoridae	Eucastor	lecontei						/R M3	V3310	Black Hawk Ranch
UCMP	V	65661	Mammalia	Rodentia	Castoridae	Eucastor	lecontei						R M1 OR M	V3310	Black Hawk Ranch
UCMP	V	65662	Mammalia	Rodentia	Castoridae	Eucastor	lecontei						R M3 ?/	V3310	Black Hawk Ranch
UCMP	V	65663	Mammalia	Rodentia	Castoridae	Eucastor	lecontei						R M3/	V3310	Black Hawk Ranch
UCMP	V	65664	Mammalia	Rodentia	Castoridae	Eucastor	lecontei						R M3/	V3310	Black Hawk Ranch
UCMP	V	65665	Mammalia	Rodentia	Castoridae	Eucastor	lecontei						/R P4	V3310	Black Hawk Ranch
UCMP	V	65687	Mammalia	Rodentia	Castoridae	Eucastor	lecontei						L M1 OR M	V3310	Black Hawk Ranch
UCMP	V	65688	Mammalia	Rodentia	Castoridae	Eucastor	lecontei						L M1 OR M	V3310	Black Hawk Ranch
UCMP	V	65689	Mammalia	Rodentia	Castoridae	Eucastor	lecontei						R M1 OR M	V3310	Black Hawk Ranch
UCMP	V	65690	Mammalia	Rodentia	Castoridae	Eucastor	lecontei						R M1 OR M	V3310	Black Hawk Ranch
UCMP	V	65691	Mammalia	Rodentia	Castoridae	Eucastor	lecontei						R M1 OR M	V3310	Black Hawk Ranch
UCMP	V	65692	Mammalia	Rodentia	Castoridae	Eucastor	lecontei						R M1 OR M	V3310	Black Hawk Ranch
UCMP	V	65693	Mammalia	Rodentia	Castoridae	Eucastor	lecontei						L P4/	V3310	Black Hawk Ranch
UCMP	V	65694	Mammalia	Rodentia	Castoridae	Eucastor	lecontei						/R P4	V3310	Black Hawk Ranch
UCMP	V	65695	Mammalia	Rodentia	Castoridae	Eucastor	lecontei						R M1 OR M	V3310	Black Hawk Ranch
UCMP	V	66128	Mammalia	Carnivora				Fissipeda					L DENTAR\	V3310	Black Hawk Ranch
UCMP	V	66129	Mammalia	Rodentia	Castoridae	Eucastor	lecontei						L M/	V3310	Black Hawk Ranch
UCMP	V	66130	Mammalia	Artiodactyl	Camelidae								/R P2	V3310	Black Hawk Ranch
UCMP	V	66483	Reptilia	Testudines	Testudinidae								OSTEODEI	V3310	Black Hawk Ranch
UCMP	V	67021	Mammalia	Artiodactyl	Camelidae								FIBULA	V3310	Black Hawk Ranch
UCMP	V	67022	Mammalia	Artiodactyl	Camelidae								PISIFORM	V3310	Black Hawk Ranch
UCMP	V	67023	Mammalia	Artiodactyl	Camelidae	Procamelus							ASTRAGAL	V3310	Black Hawk Ranch
UCMP	V	67024	Mammalia	Perissodac	Equidae	Hipparion							CHEEK TO	V3310	Black Hawk Ranch
UCMP	V	67025	Mammalia	Perissodac	Equidae	Nannippus							PROX MID	V3310	Black Hawk Ranch
UCMP	V	67544	Mammalia	Artiodactyl	Camelidae								HUMERUS	V3310	Black Hawk Ranch
UCMP	V	67588	Mammalia	Proboscide	Gomphoth	Gomphoth	productum						DENTARY \	V3310	Black Hawk Ranch
UCMP	V	67589	Mammalia	Proboscide	Gomphoth	Gomphoth	productum						M	V3310	Black Hawk Ranch
UCMP	V	67590	Mammalia	Proboscide	Gomphoth	Gomphoth	productum						TUSK	V3310	Black Hawk Ranch
UCMP	V	67591	Mammalia	Carnivora	Felidae	Nimravides							PHALANX	V3310	Black Hawk Ranch
UCMP	V	67592	Mammalia	Perissodac	Equidae	Pliohippus							PROX PHA	V3310	Black Hawk Ranch
UCMP	V	67593	Mammalia	Artiodactyl	Antilocapr	Capromeryx							DENTARY	V3310	Black Hawk Ranch
UCMP	V	67594	Mammalia	Artiodactyl	Camelidae	Procamelus							ASTRAGAL	V3310	Black Hawk Ranch
UCMP	V	67919	Mammalia	Proboscide	Gomphoth	Gomphoth	productum						TOOTH	V3310	Black Hawk Ranch
UCMP	V	68030	Mammalia	Carnivora	Canidae	Osteoborus								V3310	Black Hawk Ranch
UCMP	V	68663	Mammalia	Proboscide	Gomphoth	Gomphotherium							TOOTH	V3310	Black Hawk Ranch
UCMP	V	69309	Mammalia	Proboscide	Gomphotheriidae								M	V3310	Black Hawk Ranch
UCMP	V	70150	Mammalia	Carnivora	Canidae	Osteoborus							/M2	V3310	Black Hawk Ranch

UCMP	V	70151	Mammalia	Carnivora	Canidae	Aelurodon						P1-P3/,I	V3310	Black Hawk Ranch
UCMP	V	70158	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					/P3 ?	V3310	Black Hawk Ranch
UCMP	V	70159	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					/R DP3	V3310	Black Hawk Ranch
UCMP	V	70160	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					/L M3	V3310	Black Hawk Ranch
UCMP	V	70161	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					/L M2	V3310	Black Hawk Ranch
UCMP	V	70162	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					/R M2	V3310	Black Hawk Ranch
UCMP	V	70163	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					/L M2	V3310	Black Hawk Ranch
UCMP	V	70164	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					/ P4	V3310	Black Hawk Ranch
UCMP	V	70165	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					/ P3	V3310	Black Hawk Ranch
UCMP	V	70166	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					L DP2 ?/	V3310	Black Hawk Ranch
UCMP	V	70167	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					/L P4 ?	V3310	Black Hawk Ranch
UCMP	V	70168	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					/R M2	V3310	Black Hawk Ranch
UCMP	V	70169	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					/ DP4 ?	V3310	Black Hawk Ranch
UCMP	V	70170	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					DP2 ?/	V3310	Black Hawk Ranch
UCMP	V	70171	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					/L DP4	V3310	Black Hawk Ranch
UCMP	V	70172	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					/R M1	V3310	Black Hawk Ranch
UCMP	V	70173	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					/L M1	V3310	Black Hawk Ranch
UCMP	V	70174	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					DP3 ?/	V3310	Black Hawk Ranch
UCMP	V	70175	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					/L M3	V3310	Black Hawk Ranch
UCMP	V	70180	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					INNOMINA	V3310	Black Hawk Ranch
UCMP	V	70181	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					R HUMERU	V3310	Black Hawk Ranch
UCMP	V	70182	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					I FRAG	V3310	Black Hawk Ranch
UCMP	V	70757	Mammalia	Artiodactyl	Camelidae	Protolabis						M2/	V3310	Black Hawk Ranch
UCMP	V	70758	Mammalia	Artiodactyl	Camelidae							M1 ?/	V3310	Black Hawk Ranch
UCMP	V	70759	Mammalia	Artiodactyl	Camelidae							TEETH	V3310	Black Hawk Ranch
UCMP	V	70760	Mammalia	Artiodactyl	Camelidae	Procamelus						M1/	V3310	Black Hawk Ranch
UCMP	V	70761	Mammalia	Artiodactyl	Camelidae	Procamelus						DP4/	V3310	Black Hawk Ranch
UCMP	V	70762	Mammalia	Artiodactyl	Camelidae	Megatylopus						M1/	V3310	Black Hawk Ranch
UCMP	V	70763	Mammalia	Artiodactyl	Camelidae	Megatylopus						M2/	V3310	Black Hawk Ranch
UCMP	V	70764	Mammalia	Artiodactyl	Camelidae	Megatylopus						/M2	V3310	Black Hawk Ranch
UCMP	V	70765	Mammalia	Artiodactyl	Camelidae	Megatylopus						/M1	V3310	Black Hawk Ranch
UCMP	V	70766	Mammalia	Artiodactyl	Camelidae	Megatylopus						/M3	V3310	Black Hawk Ranch
UCMP	V	71805	Mammalia	Artiodactyl	Camelidae							FEMUR	V3310	Black Hawk Ranch
UCMP	V	71806	Mammalia	Artiodactyl	Camelidae							TIBIA ?	V3310	Black Hawk Ranch
UCMP	V	74812	Mammalia	Artiodactyl	Tayassuida	Woodburn	grenaderae		TYPE	Prothero, D.R.+Pollen, A. 2013. K		SKULL W C	V3310	Black Hawk Ranch
UCMP	V	74904	Mammalia	Carnivora	Canidae							M,PHALAN	V3310	Black Hawk Ranch
UCMP	V	74905	Mammalia	Carnivora	Canidae							DIST HUMI	V3310	Black Hawk Ranch
UCMP	V	74906	Mammalia	Artiodactyl	Antilocapridae			Antilocaprinae				TEETH	V3310	Black Hawk Ranch
UCMP	V	74907	Mammalia	Artiodactyl	Tayassuida	Prosthennops						TOOTH	V3310	Black Hawk Ranch
UCMP	V	74908	Mammalia	Perissodac	Equidae			Hipparionini				TEETH	V3310	Black Hawk Ranch
UCMP	V	74909	Mammalia	Artiodactyl	Camelidae							PHALANX	V3310	Black Hawk Ranch
UCMP	V	74910	Mammalia	Artiodactyl	Camelidae							M/	V3310	Black Hawk Ranch
UCMP	V	74911	Mammalia	Artiodactyl	Camelidae							M2-M3/	V3310	Black Hawk Ranch
UCMP	V	74912	Mammalia									TOOTH	V3310	Black Hawk Ranch
UCMP	V	77327	Mammalia	Proboscide	Gomphoth	Gomphotherium						TOOTH	V3310	Black Hawk Ranch
UCMP	V	77515	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					/R M3	V3310	Black Hawk Ranch
UCMP	V	77516	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					R M3/	V3310	Black Hawk Ranch
UCMP	V	77517	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					JUV DENTA	V3310	Black Hawk Ranch
UCMP	V	77518	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					TUSKS	V3310	Black Hawk Ranch
UCMP	V	77519	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					TUSK/	V3310	Black Hawk Ranch
UCMP	V	77520	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					SCAPULA	V3310	Black Hawk Ranch
UCMP	V	77521	Mammalia	Artiodactyl	Camelidae							PROX SCA	V3310	Black Hawk Ranch
UCMP	V	77522	Mammalia	Artiodactyl	Camelidae							RADIUS+U	V3310	Black Hawk Ranch
UCMP	V	77675	Mammalia	Artiodactyl	Tayassuida	Woodburn	grenaderae		FIG	Prothero, D.R.+Pollen, A. 2013. K		SKULL	V3310	Black Hawk Ranch
UCMP	V	77676	Mammalia	Artiodactyl	Antilocapr	Merycodus						L DENTAR\	V3310	Black Hawk Ranch
UCMP	V	77677	Mammalia	Carnivora								ASTRAGAL	V3310	Black Hawk Ranch
UCMP	V	77678	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					/M2-M3	V3310	Black Hawk Ranch
UCMP	V	77679	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					THORACIC	V3310	Black Hawk Ranch
UCMP	V	77680	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					PROX FEM	V3310	Black Hawk Ranch
UCMP	V	77946	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					TUSK	V3310	Black Hawk Ranch
UCMP	V	77947	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					TUSK	V3310	Black Hawk Ranch
UCMP	V	78398	Mammalia	Perissodac	Equidae	Dinohippu	leardi		FIG	Kelly, T.S. 1998. NHMLAC Contrib		R+L DENTA	V3310	Black Hawk Ranch
UCMP	V	78399	Mammalia	Carnivora	Canidae	Borophagu	littoralis		PUBL	Wang, X, Tedford, R.H,+Taylor, B.		L DENTAR\	V3310	Black Hawk Ranch
UCMP	V	78400	Mammalia	Carnivora								DIST HUMI	V3310	Black Hawk Ranch
UCMP	V	79520	Mammalia	Carnivora	Mustelidae							/R M1	V3310	Black Hawk Ranch
UCMP	V	83394	Osteichthyes									VERTEBRA	V6938	Danville 1
UCMP	V	83395	Osteichthyes									VERTEBRA	V6939	Danville 2
UCMP	V	83396	Osteichthyes									VERTEBRA	V6940	Danville 3
UCMP	V	84794	Mammalia	Rodentia	Castoridae	Eucastor	lecontei					TOOTH	V3310	Black Hawk Ranch
UCMP	V	85156	Mammalia	Perissodac	Equidae			Hipparionini				DP2/	V3310	Black Hawk Ranch
UCMP	V	85157	Mammalia	Artiodactyl	Camelidae	Megatylopus						RADIUS+U	V3310	Black Hawk Ranch
UCMP	V	85159	Mammalia	Perissodac	Equidae	Pliohippus							V3310	Black Hawk Ranch
UCMP	V	85162	Mammalia	Artiodactyl	Camelidae	Procamelus							V3310	Black Hawk Ranch
UCMP	V	85163	Mammalia	Artiodactyl	Camelidae	Procamelus							V3310	Black Hawk Ranch

UCMP	V	85165	Mammalia	Artiodactyl	Camelidae	Procamelus				V3310	Black Hawk Ranch
UCMP	V	85166	Mammalia	Artiodactyl	Camelidae	Procamelus				V3310	Black Hawk Ranch
UCMP	V	85169	Mammalia	Artiodactyl	Camelidae					V3310	Black Hawk Ranch
UCMP	V	85170	Mammalia	Artiodactyl	Camelidae					V3310	Black Hawk Ranch
UCMP	V	85173	Mammalia	Artiodactyl	Camelidae				METATARS	V3310	Black Hawk Ranch
UCMP	V	85174	Mammalia	Artiodactyl	Camelidae				VERTEBRA	V3310	Black Hawk Ranch
UCMP	V	85175	Mammalia	Artiodactyl	Camelidae				RADIUS+U	V3310	Black Hawk Ranch
UCMP	V	85176	Mammalia	Artiodactyl	Camelidae				TIBIA FRAC	V3310	Black Hawk Ranch
UCMP	V	85177	Mammalia	Artiodactyl	Camelidae				SCAPHOID	V3310	Black Hawk Ranch
UCMP	V	85178	Mammalia	Artiodactyl	Camelidae				PISIFORM	V3310	Black Hawk Ranch
UCMP	V	85179	Mammalia	Artiodactyl	Camelidae				MESOCUN	V3310	Black Hawk Ranch
UCMP	V	85180	Mammalia	Artiodactyl	Camelidae				INCISORS	V3310	Black Hawk Ranch
UCMP	V	85181	Mammalia	Artiodactyl	Camelidae				MESOCUN	V3310	Black Hawk Ranch
UCMP	V	85182	Mammalia	Artiodactyl	Camelidae				CALCANEI	V3310	Black Hawk Ranch
UCMP	V	85183	Mammalia	Artiodactyl	Camelidae				PATELLA ?	V3310	Black Hawk Ranch
UCMP	V	85184	Mammalia	Artiodactyl	Camelidae				TOOTH FR	V3310	Black Hawk Ranch
UCMP	V	85190	Mammalia	Artiodactyl	Antilocapr	Capromeryx			HORN COI	V3310	Black Hawk Ranch
UCMP	V	85191	Mammalia	Artiodactyl	Antilocapr	Capromeryx			/M	V3310	Black Hawk Ranch
UCMP	V	85192	Mammalia	Carnivora	Canidae	Osteoborus			DIST HUMI	V3310	Black Hawk Ranch
UCMP	V	85193	Mammalia	Artiodactyl	Antilocapridae					V3310	Black Hawk Ranch
UCMP	V	85194	Mammalia	Perissodac	Equidae		Hipparionini		L P2/	V3310	Black Hawk Ranch
UCMP	V	85390	Mammalia	Perissodac	Equidae	Nannippus			M/	V3310	Black Hawk Ranch
UCMP	V	85391	Mammalia	Carnivora	Canidae	Aelurodon			/M2	V3310	Black Hawk Ranch
UCMP	V	85392	Mammalia	Carnivora	Canidae	Aelurodon			P2/ OR P3/	V3310	Black Hawk Ranch
UCMP	V	85393	Mammalia	Carnivora	Canidae	Vulpes			P4/	V3310	Black Hawk Ranch
UCMP	V	86771	Mammalia	Lagomorpl	Leporidae	Hypolagus			M/	V6869	Maxum
UCMP	V	86772	Mammalia	Lagomorpl	Leporidae	Hypolagus			M/	V6869	Maxum
UCMP	V	86773	Mammalia	Lagomorpl	Leporidae	Hypolagus			M/	V6869	Maxum
UCMP	V	86774	Mammalia	Lagomorpl	Leporidae	Hypolagus			M/	V6869	Maxum
UCMP	V	86775	Mammalia	Lagomorpl	Leporidae	Hypolagus			M/	V6869	Maxum
UCMP	V	86776	Mammalia	Lagomorpl	Leporidae	Hypolagus			M/	V6869	Maxum
UCMP	V	86777	Mammalia	Lagomorpl	Leporidae	Hypolagus			M/	V6869	Maxum
UCMP	V	86778	Mammalia	Lagomorpl	Leporidae	Hypolagus			M/	V6869	Maxum
UCMP	V	86779	Mammalia	Lagomorpl	Leporidae	Hypolagus			M/	V6869	Maxum
UCMP	V	86780	Mammalia	Lagomorpl	Leporidae	Hypolagus			M/	V6869	Maxum
UCMP	V	86781	Mammalia	Lagomorpl	Leporidae	Hypolagus			M/	V6869	Maxum
UCMP	V	86782	Mammalia	Lagomorpl	Leporidae	Hypolagus			M/	V6869	Maxum
UCMP	V	86783	Mammalia	Lagomorpl	Leporidae	Hypolagus			M/	V6869	Maxum
UCMP	V	86784	Mammalia	Lagomorpl	Leporidae	Hypolagus			M/	V6869	Maxum
UCMP	V	86785	Mammalia	Lagomorpl	Leporidae	Hypolagus			M/	V6869	Maxum
UCMP	V	86786	Mammalia	Lagomorpl	Leporidae	Hypolagus			M/	V6869	Maxum
UCMP	V	86787	Mammalia	Lagomorpl	Leporidae	Hypolagus			M/	V6869	Maxum
UCMP	V	86788	Mammalia	Lagomorpl	Leporidae	Hypolagus			M/	V6869	Maxum
UCMP	V	86789	Mammalia	Lagomorpl	Leporidae	Hypolagus			M/	V6869	Maxum
UCMP	V	86790	Mammalia	Lagomorpl	Leporidae	Hypolagus			M/	V6869	Maxum
UCMP	V	86791	Mammalia	Lagomorpl	Leporidae	Hypolagus			M/	V6869	Maxum
UCMP	V	86792	Mammalia	Lagomorpl	Leporidae	Hypolagus			M/	V6869	Maxum
UCMP	V	86793	Mammalia	Lagomorpl	Leporidae	Hypolagus			M/	V6869	Maxum
UCMP	V	86794	Mammalia	Lagomorpl	Leporidae	Hypolagus			M/	V6869	Maxum
UCMP	V	86795	Mammalia	Lagomorpl	Leporidae	Hypolagus			M/	V6869	Maxum
UCMP	V	86796	Mammalia	Lagomorpl	Leporidae	Hypolagus			M/	V6869	Maxum
UCMP	V	86797	Mammalia	Lagomorpl	Leporidae	Hypolagus			M/	V6869	Maxum
UCMP	V	86798	Mammalia	Lagomorpl	Leporidae	Hypolagus			M/	V6869	Maxum
UCMP	V	86799	Mammalia	Lagomorpl	Leporidae	Hypolagus			M/	V6869	Maxum
UCMP	V	86800	Mammalia	Lagomorpl	Leporidae	Hypolagus			M/	V6869	Maxum
UCMP	V	86801	Mammalia	Lagomorpl	Leporidae	Hypolagus			M/	V6869	Maxum
UCMP	V	86802	Mammalia	Lagomorpl	Leporidae	Hypolagus			M/	V6869	Maxum
UCMP	V	86803	Mammalia	Lagomorpl	Leporidae	Hypolagus			/P3	V6869	Maxum
UCMP	V	86804	Mammalia	Lagomorpl	Leporidae	Hypolagus			/P3	V6869	Maxum
UCMP	V	86805	Mammalia	Lagomorpl	Leporidae	Hypolagus			/P3	V6869	Maxum
UCMP	V	86806	Mammalia	Lagomorpl	Leporidae	Hypolagus			/P3	V6869	Maxum
UCMP	V	86807	Mammalia	Lagomorpl	Leporidae	Hypolagus			/P3	V6869	Maxum
UCMP	V	86808	Mammalia	Lagomorpl	Leporidae	Hypolagus			/P3	V6869	Maxum
UCMP	V	86809	Mammalia	Lagomorpl	Leporidae	Hypolagus			/P3	V6869	Maxum
UCMP	V	86810	Mammalia	Lagomorpl	Leporidae	Hypolagus			/P3	V6869	Maxum
UCMP	V	86811	Mammalia	Lagomorpl	Leporidae	Hypolagus			/P3	V6869	Maxum
UCMP	V	86812	Mammalia	Lagomorpl	Leporidae	Hypolagus			/P3	V6869	Maxum
UCMP	V	86813	Mammalia	Lagomorpl	Leporidae	Hypolagus			/P3	V6869	Maxum
UCMP	V	86814	Mammalia	Lagomorpl	Leporidae	Hypolagus			/P3	V6869	Maxum
UCMP	V	86815	Mammalia	Lagomorpl	Leporidae	Hypolagus			/P3	V6869	Maxum
UCMP	V	86816	Mammalia	Lagomorpl	Leporidae	Hypolagus			/P3	V6869	Maxum
UCMP	V	86817	Mammalia	Lagomorpl	Leporidae	Hypolagus			/P3	V6869	Maxum
UCMP	V	86823	Mammalia	Lagomorpl	Leporidae	Hypolagus			M/	V6869	Maxum
UCMP	V	86824	Mammalia	Lagomorpl	Leporidae	Hypolagus			M/	V6869	Maxum

UCMP	V	86825	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86826	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86827	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86828	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86829	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86830	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86831	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86832	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86833	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86834	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86835	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86836	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86837	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86838	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86839	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86840	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86841	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86842	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86843	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86844	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86845	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86846	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86847	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86848	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86849	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86850	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86851	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86852	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86853	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86854	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86855	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86856	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86857	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86858	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86859	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86860	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86861	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86862	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86863	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86864	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86865	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86866	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86867	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86868	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86869	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86870	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86871	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86872	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86873	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86874	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86875	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86876	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86877	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86878	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86879	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	86880	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	86881	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	86882	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	86883	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	86884	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	86885	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	86886	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	86887	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	86888	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	86889	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	86890	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	86891	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	86892	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	86893	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	86894	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	86895	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	86896	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	86897	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	86898	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum

UCMP	V	86899	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86900	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86901	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86902	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86903	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86904	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86905	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86906	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86907	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86908	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86909	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86910	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86911	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86912	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86913	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86914	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86915	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86916	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86917	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86918	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86919	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86920	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86921	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86922	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86923	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86924	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86925	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86926	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86927	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86928	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86929	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86930	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86931	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86932	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86933	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86934	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86935	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86936	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86937	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86938	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86939	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86940	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86941	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86942	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86943	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86944	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86945	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86946	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86947	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86948	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86949	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86950	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86951	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86952	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86953	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86954	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86955	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86956	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86957	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86958	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86959	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86960	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86961	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86962	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86963	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86964	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86965	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86966	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86967	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86968	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86969	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86970	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86971	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86972	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum

UCMP	V	86973	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86974	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86975	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86976	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86977	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86978	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86979	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86980	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86981	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86982	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86983	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86984	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86985	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86986	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86987	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86988	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86989	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86990	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86991	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86992	Mammalia	Lagomorpl	Leporidae	Hypolagus	M/	V6869	Maxum
UCMP	V	86993	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	86994	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	86995	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	86996	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	86997	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	86998	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	86999	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87000	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87001	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87002	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87003	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87004	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87005	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87006	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87007	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87008	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87009	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87010	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87011	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87012	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87013	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87014	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87015	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87016	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87017	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87018	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87019	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87020	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87021	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87022	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87023	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87024	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87025	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87026	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87027	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87028	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87029	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87030	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87031	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87032	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87033	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87034	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87035	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87036	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87037	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87038	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87039	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87040	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87041	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87042	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87043	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87044	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87045	Mammalia	Lagomorpl	Leporidae	Hypolagus	P2/	V6869	Maxum
UCMP	V	87046	Mammalia	Lagomorpl	Leporidae	Hypolagus	P2/	V6869	Maxum

UCMP	V	87047	Mammalia	Lagomorpl	Leporidae	Hypolagus	P2/	V6869	Maxum
UCMP	V	87048	Mammalia	Lagomorpl	Leporidae	Hypolagus	P2/	V6869	Maxum
UCMP	V	87049	Mammalia	Lagomorpl	Leporidae	Hypolagus	P2/	V6869	Maxum
UCMP	V	87050	Mammalia	Lagomorpl	Leporidae	Hypolagus	P2/	V6869	Maxum
UCMP	V	87051	Mammalia	Lagomorpl	Leporidae	Hypolagus	P2/	V6869	Maxum
UCMP	V	87052	Mammalia	Lagomorpl	Leporidae	Hypolagus	P2/	V6869	Maxum
UCMP	V	87053	Mammalia	Lagomorpl	Leporidae	Hypolagus	P2/	V6869	Maxum
UCMP	V	87054	Mammalia	Lagomorpl	Leporidae	Hypolagus	P2/	V6869	Maxum
UCMP	V	87055	Mammalia	Lagomorpl	Leporidae	Hypolagus	P2/	V6869	Maxum
UCMP	V	87056	Mammalia	Lagomorpl	Leporidae	Hypolagus	P2/	V6869	Maxum
UCMP	V	87057	Mammalia	Lagomorpl	Leporidae	Hypolagus	P2/	V6869	Maxum
UCMP	V	87058	Mammalia	Lagomorpl	Leporidae	Hypolagus	P2/	V6869	Maxum
UCMP	V	87059	Mammalia	Lagomorpl	Leporidae	Hypolagus	P2/	V6869	Maxum
UCMP	V	87060	Mammalia	Lagomorpl	Leporidae	Hypolagus	P2/	V6869	Maxum
UCMP	V	87061	Mammalia	Lagomorpl	Leporidae	Hypolagus	P2/	V6869	Maxum
UCMP	V	87062	Mammalia	Lagomorpl	Leporidae	Hypolagus	P2/	V6869	Maxum
UCMP	V	87063	Mammalia	Lagomorpl	Leporidae	Hypolagus	P2/	V6869	Maxum
UCMP	V	87064	Mammalia	Lagomorpl	Leporidae	Hypolagus	P2/	V6869	Maxum
UCMP	V	87065	Mammalia	Lagomorpl	Leporidae	Hypolagus	P2/	V6869	Maxum
UCMP	V	87066	Mammalia	Lagomorpl	Leporidae	Hypolagus	P2/	V6869	Maxum
UCMP	V	87067	Mammalia	Lagomorpl	Leporidae	Hypolagus	P2/	V6869	Maxum
UCMP	V	87068	Mammalia	Lagomorpl	Leporidae	Hypolagus	P2/	V6869	Maxum
UCMP	V	87069	Mammalia	Lagomorpl	Leporidae	Hypolagus	P2/	V6869	Maxum
UCMP	V	87070	Mammalia	Lagomorpl	Leporidae	Hypolagus	P2/	V6869	Maxum
UCMP	V	87071	Mammalia	Lagomorpl	Leporidae	Hypolagus	P2/	V6869	Maxum
UCMP	V	87072	Mammalia	Lagomorpl	Leporidae	Hypolagus	P2/	V6869	Maxum
UCMP	V	87073	Mammalia	Lagomorpl	Leporidae	Hypolagus	P2/	V6869	Maxum
UCMP	V	87074	Mammalia	Lagomorpl	Leporidae	Hypolagus	P2/	V6869	Maxum
UCMP	V	87075	Mammalia	Lagomorpl	Leporidae	Hypolagus	P2/	V6869	Maxum
UCMP	V	87076	Mammalia	Lagomorpl	Leporidae	Hypolagus	P2/	V6869	Maxum
UCMP	V	87077	Mammalia	Lagomorpl	Leporidae	Hypolagus	P2/	V6869	Maxum
UCMP	V	87078	Mammalia	Lagomorpl	Leporidae	Hypolagus	P2/	V6869	Maxum
UCMP	V	87079	Mammalia	Lagomorpl	Leporidae	Hypolagus	/P3	V6869	Maxum
UCMP	V	87080	Mammalia	Lagomorpl	Leporidae	Hypolagus	/P3	V6869	Maxum
UCMP	V	87081	Mammalia	Lagomorpl	Leporidae	Hypolagus	/P3	V6869	Maxum
UCMP	V	87082	Mammalia	Lagomorpl	Leporidae	Hypolagus	/P3	V6869	Maxum
UCMP	V	87083	Mammalia	Lagomorpl	Leporidae	Hypolagus	/P3	V6869	Maxum
UCMP	V	87084	Mammalia	Lagomorpl	Leporidae	Hypolagus	/P3	V6869	Maxum
UCMP	V	87085	Mammalia	Lagomorpl	Leporidae	Hypolagus	/P3	V6869	Maxum
UCMP	V	87086	Mammalia	Lagomorpl	Leporidae	Hypolagus	/P3	V6869	Maxum
UCMP	V	87087	Mammalia	Lagomorpl	Leporidae	Hypolagus	/P3	V6869	Maxum
UCMP	V	87088	Mammalia	Lagomorpl	Leporidae	Hypolagus	/P3	V6869	Maxum
UCMP	V	87089	Mammalia	Lagomorpl	Leporidae	Hypolagus	/P3	V6869	Maxum
UCMP	V	87090	Mammalia	Lagomorpl	Leporidae	Hypolagus	/P3	V6869	Maxum
UCMP	V	87091	Mammalia	Lagomorpl	Leporidae	Hypolagus	/P3	V6869	Maxum
UCMP	V	87092	Mammalia	Lagomorpl	Leporidae	Hypolagus	/P3	V6869	Maxum
UCMP	V	87093	Mammalia	Lagomorpl	Leporidae	Hypolagus	/P3	V6869	Maxum
UCMP	V	87094	Mammalia	Lagomorpl	Leporidae	Hypolagus	/P3	V6869	Maxum
UCMP	V	87095	Mammalia	Lagomorpl	Leporidae	Hypolagus	/P3	V6869	Maxum
UCMP	V	87096	Mammalia	Lagomorpl	Leporidae	Hypolagus	/P3	V6869	Maxum
UCMP	V	87097	Mammalia	Lagomorpl	Leporidae	Hypolagus	/P3	V6869	Maxum
UCMP	V	87098	Mammalia	Lagomorpl	Leporidae	Hypolagus	/P3	V6869	Maxum
UCMP	V	87099	Mammalia	Lagomorpl	Leporidae	Hypolagus	/P3	V6869	Maxum
UCMP	V	87100	Mammalia	Lagomorpl	Leporidae	Hypolagus	/P3	V6869	Maxum
UCMP	V	87101	Mammalia	Lagomorpl	Leporidae	Hypolagus	/P3	V6869	Maxum
UCMP	V	87102	Mammalia	Lagomorpl	Leporidae	Hypolagus	/P3	V6869	Maxum
UCMP	V	87103	Mammalia	Lagomorpl	Leporidae	Hypolagus	/P3	V6869	Maxum
UCMP	V	87104	Mammalia	Lagomorpl	Leporidae	Hypolagus	/P3	V6869	Maxum
UCMP	V	87105	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87106	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87107	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87108	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87109	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87110	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87111	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87112	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87113	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87114	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87115	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87116	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87117	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87118	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87119	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87120	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum

UCMP	V	87121	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87122	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87123	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87124	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87125	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87126	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87127	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87128	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87129	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87130	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87131	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87132	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87133	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87134	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87135	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87136	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87137	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87138	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87139	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87140	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87141	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87142	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87143	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87144	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87145	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87146	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87147	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87148	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87149	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87150	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87151	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87152	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87153	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87154	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87155	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87156	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87157	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87158	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87159	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87160	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87161	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87162	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87163	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87164	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87165	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87166	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87167	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87168	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87169	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87170	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87171	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87172	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87173	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87174	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87175	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87176	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87177	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87178	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87179	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87180	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87181	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87182	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87183	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87184	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87185	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87186	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87187	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87188	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87189	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87190	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87191	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87192	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87193	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87194	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum

UCMP	V	87195	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87196	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87197	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87198	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87199	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87200	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87201	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87202	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87203	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87204	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87205	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87206	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87207	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87208	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87209	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87210	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87211	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87212	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87213	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87214	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87215	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87216	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87217	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87218	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87219	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87220	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87221	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87222	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87223	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87224	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87225	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87226	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87227	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87228	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87229	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87230	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87231	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87232	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87233	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87234	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87235	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87236	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87237	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87238	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87239	Mammalia	Lagomorpl	Leporidae	Hypolagus	I	V6869	Maxum
UCMP	V	87240	Mammalia	Lagomorpl	Leporidae	Hypolagus	I	V6869	Maxum
UCMP	V	87241	Mammalia	Lagomorpl	Leporidae	Hypolagus	I	V6869	Maxum
UCMP	V	87242	Mammalia	Lagomorpl	Leporidae	Hypolagus	I	V6869	Maxum
UCMP	V	87243	Mammalia	Lagomorpl	Leporidae	Hypolagus	I	V6869	Maxum
UCMP	V	87244	Mammalia	Lagomorpl	Leporidae	Hypolagus	I	V6869	Maxum
UCMP	V	87245	Mammalia	Lagomorpl	Leporidae	Hypolagus	I	V6869	Maxum
UCMP	V	87246	Mammalia	Lagomorpl	Leporidae	Hypolagus	I	V6869	Maxum
UCMP	V	87247	Mammalia	Lagomorpl	Leporidae	Hypolagus	I	V6869	Maxum
UCMP	V	87248	Mammalia	Lagomorpl	Leporidae	Hypolagus	I	V6869	Maxum
UCMP	V	87249	Mammalia	Lagomorpl	Leporidae	Hypolagus	I	V6869	Maxum
UCMP	V	87250	Mammalia	Lagomorpl	Leporidae	Hypolagus	I	V6869	Maxum
UCMP	V	87251	Mammalia	Lagomorpl	Leporidae	Hypolagus	I	V6869	Maxum
UCMP	V	87252	Mammalia	Lagomorpl	Leporidae	Hypolagus	I	V6869	Maxum
UCMP	V	87253	Mammalia	Lagomorpl	Leporidae	Hypolagus	I	V6869	Maxum
UCMP	V	87254	Mammalia	Lagomorpl	Leporidae	Hypolagus	I	V6869	Maxum
UCMP	V	87255	Mammalia	Lagomorpl	Leporidae	Hypolagus	I	V6869	Maxum
UCMP	V	87256	Mammalia	Lagomorpl	Leporidae	Hypolagus	I	V6869	Maxum
UCMP	V	87257	Mammalia	Lagomorpl	Leporidae	Hypolagus	I	V6869	Maxum
UCMP	V	87258	Mammalia	Lagomorpl	Leporidae	Hypolagus	I	V6869	Maxum
UCMP	V	87259	Mammalia	Lagomorpl	Leporidae	Hypolagus	I	V6869	Maxum
UCMP	V	87260	Mammalia	Lagomorpl	Leporidae	Hypolagus	I	V6869	Maxum
UCMP	V	87261	Mammalia	Lagomorpl	Leporidae	Hypolagus	I	V6869	Maxum
UCMP	V	87262	Mammalia	Lagomorpl	Leporidae	Hypolagus	I	V6869	Maxum
UCMP	V	87263	Mammalia	Lagomorpl	Leporidae	Hypolagus	/I	V6869	Maxum
UCMP	V	87264	Mammalia	Lagomorpl	Leporidae	Hypolagus	/I	V6869	Maxum
UCMP	V	87265	Mammalia	Lagomorpl	Leporidae	Hypolagus	/I	V6869	Maxum
UCMP	V	87266	Mammalia	Lagomorpl	Leporidae	Hypolagus	/I	V6869	Maxum
UCMP	V	87267	Mammalia	Lagomorpl	Leporidae	Hypolagus	/I	V6869	Maxum
UCMP	V	87268	Mammalia	Lagomorpl	Leporidae	Hypolagus	/I	V6869	Maxum

UCMP	V	87269	Mammalia	Lagomorpl	Leporidae	Hypolagus		/I	V6869 Maxum
UCMP	V	87270	Mammalia	Lagomorpl	Leporidae	Hypolagus		/I	V6869 Maxum
UCMP	V	87271	Mammalia	Lagomorpl	Leporidae	Hypolagus		/I	V6869 Maxum
UCMP	V	87272	Mammalia	Lagomorpl	Leporidae	Hypolagus		/I	V6869 Maxum
UCMP	V	87273	Mammalia	Lagomorpl	Leporidae	Hypolagus		/I	V6869 Maxum
UCMP	V	87274	Mammalia	Lagomorpl	Leporidae	Hypolagus		/I	V6869 Maxum
UCMP	V	87275	Mammalia	Lagomorpl	Leporidae	Hypolagus		/I	V6869 Maxum
UCMP	V	87276	Mammalia	Lagomorpl	Leporidae	Hypolagus		/I	V6869 Maxum
UCMP	V	87277	Mammalia	Lagomorpl	Leporidae	Hypolagus		/I	V6869 Maxum
UCMP	V	87278	Mammalia	Lagomorpl	Leporidae	Hypolagus		/I	V6869 Maxum
UCMP	V	87279	Mammalia	Lagomorpl	Leporidae	Hypolagus		/I	V6869 Maxum
UCMP	V	87280	Mammalia	Lagomorpl	Leporidae	Hypolagus		/I	V6869 Maxum
UCMP	V	87281	Mammalia	Lagomorpl	Leporidae	Hypolagus		/I	V6869 Maxum
UCMP	V	87282	Mammalia	Lagomorpl	Leporidae	Hypolagus		/I	V6869 Maxum
UCMP	V	87283	Mammalia	Lagomorpl	Leporidae	Hypolagus		/I	V6869 Maxum
UCMP	V	87284	Mammalia	Lagomorpl	Leporidae	Hypolagus		/I	V6869 Maxum
UCMP	V	87285	Mammalia	Lagomorpl	Leporidae	Hypolagus		/I	V6869 Maxum
UCMP	V	87286	Mammalia	Lagomorpl	Leporidae	Hypolagus		I/	V6869 Maxum
UCMP	V	87287	Mammalia	Lagomorpl	Leporidae	Hypolagus		I/	V6869 Maxum
UCMP	V	87288	Mammalia	Lagomorpl	Leporidae	Hypolagus		I/	V6869 Maxum
UCMP	V	87289	Mammalia	Lagomorpl	Leporidae	Hypolagus		I/	V6869 Maxum
UCMP	V	87290	Mammalia	Lagomorpl	Leporidae	Hypolagus		I/	V6869 Maxum
UCMP	V	87291	Mammalia	Lagomorpl	Leporidae	Hypolagus		I/	V6869 Maxum
UCMP	V	87292	Mammalia	Lagomorpl	Leporidae	Hypolagus		I/	V6869 Maxum
UCMP	V	87293	Mammalia	Lagomorpl	Leporidae	Hypolagus		I/	V6869 Maxum
UCMP	V	87294	Mammalia	Lagomorpl	Leporidae	Hypolagus		I/	V6869 Maxum
UCMP	V	87295	Mammalia	Lagomorpl	Leporidae	Hypolagus		I/	V6869 Maxum
UCMP	V	87296	Mammalia	Lagomorpl	Leporidae	Hypolagus		I/	V6869 Maxum
UCMP	V	87297	Mammalia	Lagomorpl	Leporidae	Hypolagus		I/	V6869 Maxum
UCMP	V	87298	Mammalia	Lagomorpl	Leporidae	Hypolagus		I/	V6869 Maxum
UCMP	V	87299	Mammalia	Lagomorpl	Leporidae	Hypolagus		I/	V6869 Maxum
UCMP	V	87300	Mammalia	Lagomorpl	Leporidae	Hypolagus		I/	V6869 Maxum
UCMP	V	87301	Mammalia	Lagomorpl	Leporidae	Hypolagus		I/	V6869 Maxum
UCMP	V	87302	Mammalia	Lagomorpl	Leporidae	Hypolagus		I/	V6869 Maxum
UCMP	V	87303	Mammalia	Lagomorpl	Leporidae	Hypolagus		I/	V6869 Maxum
UCMP	V	87304	Mammalia	Lagomorpl	Leporidae	Hypolagus		I/	V6869 Maxum
UCMP	V	87305	Mammalia	Lagomorpl	Leporidae	Hypolagus		I/	V6869 Maxum
UCMP	V	87306	Mammalia	Lagomorpl	Leporidae	Hypolagus		I/	V6869 Maxum
UCMP	V	87307	Mammalia	Lagomorpl	Leporidae	Hypolagus		I/	V6869 Maxum
UCMP	V	87308	Mammalia	Lagomorpl	Leporidae	Hypolagus		I/	V6869 Maxum
UCMP	V	87309	Mammalia	Lagomorpl	Leporidae	Hypolagus		I/	V6869 Maxum
UCMP	V	87310	Mammalia	Lagomorpl	Leporidae	Hypolagus		I/	V6869 Maxum
UCMP	V	87311	Mammalia	Lagomorpl	Leporidae	Hypolagus		/I	V6869 Maxum
UCMP	V	87312	Mammalia	Lagomorpl	Leporidae	Hypolagus		/I	V6869 Maxum
UCMP	V	87313	Mammalia	Lagomorpl	Leporidae	Hypolagus		/I	V6869 Maxum
UCMP	V	87314	Mammalia	Lagomorpl	Leporidae	Hypolagus		/I	V6869 Maxum
UCMP	V	87315	Mammalia	Lagomorpl	Leporidae	Hypolagus		/I	V6869 Maxum
UCMP	V	87316	Mammalia	Lagomorpl	Leporidae	Hypolagus		/I	V6869 Maxum
UCMP	V	87317	Mammalia	Lagomorpl	Leporidae	Hypolagus		/I	V6869 Maxum
UCMP	V	87318	Mammalia	Lagomorpl	Leporidae	Hypolagus		/I	V6869 Maxum
UCMP	V	87319	Mammalia	Lagomorpl	Leporidae	Hypolagus		/I	V6869 Maxum
UCMP	V	87320	Mammalia	Lagomorpl	Leporidae	Hypolagus		/I	V6869 Maxum
UCMP	V	87321	Mammalia	Lagomorpl	Leporidae	Hypolagus		/I	V6869 Maxum
UCMP	V	87322	Mammalia	Lagomorpl	Leporidae	Hypolagus		/I	V6869 Maxum
UCMP	V	87323	Mammalia	Lagomorpl	Leporidae	Hypolagus		/I	V6869 Maxum
UCMP	V	87324	Mammalia	Lagomorpl	Leporidae	Hypolagus		/I	V6869 Maxum
UCMP	V	87325	Mammalia	Lagomorpl	Leporidae	Hypolagus		/I	V6869 Maxum
UCMP	V	87326	Mammalia	Lagomorpl	Leporidae	Hypolagus		/I	V6869 Maxum
UCMP	V	87327	Mammalia	Lagomorpl	Leporidae	Hypolagus		/I	V6869 Maxum
UCMP	V	87328	Mammalia	Lagomorpl	Leporidae	Hypolagus		/I	V6869 Maxum
UCMP	V	87329	Mammalia	Lagomorpl	Leporidae	Hypolagus		/I	V6869 Maxum
UCMP	V	87330	Mammalia	Lagomorpl	Leporidae	Hypolagus		/I	V6869 Maxum
UCMP	V	87331	Mammalia	Lagomorpl	Leporidae	Hypolagus		/I	V6869 Maxum
UCMP	V	87332	Mammalia	Lagomorpl	Leporidae	Hypolagus		/I	V6869 Maxum
UCMP	V	87333	Mammalia	Lagomorpl	Leporidae	Hypolagus		/I	V6869 Maxum
UCMP	V	87334	Mammalia	Lagomorpl	Leporidae	Hypolagus		/I	V6869 Maxum
UCMP	V	87335	Mammalia	Lagomorpl	Leporidae	Hypolagus		/I	V6869 Maxum
UCMP	V	87336	Mammalia	Lagomorpl	Leporidae	Hypolagus		/I	V6869 Maxum
UCMP	V	87337	Mammalia	Lagomorpl	Leporidae	Hypolagus		/I	V6869 Maxum
UCMP	V	87338	Mammalia	Lagomorpl	Leporidae	Hypolagus		/I	V6869 Maxum
UCMP	V	87339	Mammalia	Lagomorpl	Leporidae	Hypolagus		/I	V6869 Maxum
UCMP	V	87340	Mammalia	Lagomorpl	Leporidae	Hypolagus		/I	V6869 Maxum
UCMP	V	87341	Mammalia	Lagomorpl	Leporidae	Hypolagus		/I	V6869 Maxum
UCMP	V	87342	Mammalia	Lagomorpl	Leporidae	Hypolagus		/I	V6869 Maxum

UCMP	V	87343	Mammalia	Lagomorpl	Leporidae	Hypolagus	/I	V6869	Maxum
UCMP	V	87344	Mammalia	Lagomorpl	Leporidae	Hypolagus	/I	V6869	Maxum
UCMP	V	87345	Mammalia	Lagomorpl	Leporidae	Hypolagus	/I	V6869	Maxum
UCMP	V	87346	Mammalia	Lagomorpl	Leporidae	Hypolagus	/I	V6869	Maxum
UCMP	V	87347	Mammalia	Lagomorpl	Leporidae	Hypolagus	/I	V6869	Maxum
UCMP	V	87348	Mammalia	Lagomorpl	Leporidae	Hypolagus	/I	V6869	Maxum
UCMP	V	87349	Mammalia	Lagomorpl	Leporidae	Hypolagus	/I	V6869	Maxum
UCMP	V	87350	Mammalia	Lagomorpl	Leporidae	Hypolagus	/I	V6869	Maxum
UCMP	V	87351	Mammalia	Lagomorpl	Leporidae	Hypolagus	/I	V6869	Maxum
UCMP	V	87352	Mammalia	Lagomorpl	Leporidae	Hypolagus	/I	V6869	Maxum
UCMP	V	87353	Mammalia	Lagomorpl	Leporidae	Hypolagus	/I	V6869	Maxum
UCMP	V	87354	Mammalia	Lagomorpl	Leporidae	Hypolagus	/I	V6869	Maxum
UCMP	V	87355	Mammalia	Lagomorpl	Leporidae	Hypolagus	/I	V6869	Maxum
UCMP	V	87356	Mammalia	Lagomorpl	Leporidae	Hypolagus	/I	V6869	Maxum
UCMP	V	87357	Mammalia	Lagomorpl	Leporidae	Hypolagus	/I	V6869	Maxum
UCMP	V	87358	Mammalia	Lagomorpl	Leporidae	Hypolagus	/I	V6869	Maxum
UCMP	V	87359	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87360	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87361	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87362	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87363	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87364	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87365	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87366	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87367	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87368	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87369	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87370	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87371	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87372	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87373	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87374	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87375	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87376	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87377	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87378	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87379	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87380	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87381	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87382	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87383	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87384	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87385	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87386	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87387	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87388	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87389	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87390	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87391	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87392	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87393	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87394	Mammalia	Lagomorpl	Leporidae	Hypolagus	DP	V6869	Maxum
UCMP	V	87395	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87396	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87397	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87398	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87399	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87400	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87401	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87402	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87403	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87404	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87405	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87406	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87407	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87408	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87409	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87410	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87411	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87412	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87413	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87414	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87415	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum
UCMP	V	87416	Mammalia	Lagomorpl	Leporidae	Hypolagus	/M	V6869	Maxum

UCMP	V	87417	Mammalia	Lagomorpl	Leporidae	Hypolagus		/M	V6869	Maxum
UCMP	V	87418	Mammalia	Lagomorpl	Leporidae	Hypolagus		/M	V6869	Maxum
UCMP	V	87419	Mammalia	Lagomorpl	Leporidae	Hypolagus		/M	V6869	Maxum
UCMP	V	87420	Mammalia	Lagomorpl	Leporidae	Hypolagus		/M	V6869	Maxum
UCMP	V	87421	Mammalia	Lagomorpl	Leporidae	Hypolagus		/M	V6869	Maxum
UCMP	V	87422	Mammalia	Lagomorpl	Leporidae	Hypolagus		/M	V6869	Maxum
UCMP	V	87423	Mammalia	Lagomorpl	Leporidae	Hypolagus		/M	V6869	Maxum
UCMP	V	87424	Mammalia	Lagomorpl	Leporidae	Hypolagus		/M	V6869	Maxum
UCMP	V	87425	Mammalia	Lagomorpl	Leporidae	Hypolagus		/M	V6869	Maxum
UCMP	V	87426	Mammalia	Lagomorpl	Leporidae	Hypolagus		/M	V6869	Maxum
UCMP	V	87427	Mammalia	Lagomorpl	Leporidae	Hypolagus		/M	V6869	Maxum
UCMP	V	87428	Mammalia	Lagomorpl	Leporidae	Hypolagus		/M	V6869	Maxum
UCMP	V	87429	Mammalia	Lagomorpl	Leporidae	Hypolagus		/M	V6869	Maxum
UCMP	V	87430	Mammalia	Lagomorpl	Leporidae	Hypolagus		/M	V6869	Maxum
UCMP	V	87431	Mammalia	Lagomorpl	Leporidae	Hypolagus		/M	V6869	Maxum
UCMP	V	87432	Mammalia	Lagomorpl	Leporidae	Hypolagus		/M	V6869	Maxum
UCMP	V	87433	Mammalia	Lagomorpl	Leporidae	Hypolagus		/M	V6869	Maxum
UCMP	V	87434	Mammalia	Lagomorpl	Leporidae	Hypolagus		/M	V6869	Maxum
UCMP	V	87435	Mammalia	Lagomorpl	Leporidae	Hypolagus		/M	V6869	Maxum
UCMP	V	87436	Mammalia	Lagomorpl	Leporidae	Hypolagus		/M	V6869	Maxum
UCMP	V	87437	Mammalia	Lagomorpl	Leporidae	Hypolagus		/M	V6869	Maxum
UCMP	V	87438	Mammalia	Lagomorpl	Leporidae	Hypolagus		/M	V6869	Maxum
UCMP	V	87439	Mammalia	Lagomorpl	Leporidae	Hypolagus		/M	V6869	Maxum
UCMP	V	87440	Mammalia	Lagomorpl	Leporidae	Hypolagus		/M	V6869	Maxum
UCMP	V	87441	Mammalia	Lagomorpl	Leporidae	Hypolagus		/M	V6869	Maxum
UCMP	V	87442	Mammalia	Lagomorpl	Leporidae	Hypolagus		/M	V6869	Maxum
UCMP	V	87443	Mammalia	Lagomorpl	Leporidae	Hypolagus		/M	V6869	Maxum
UCMP	V	87444	Mammalia	Lagomorpl	Leporidae	Hypolagus		/M	V6869	Maxum
UCMP	V	87445	Mammalia	Lagomorpl	Leporidae	Hypolagus		/M	V6869	Maxum
UCMP	V	87446	Mammalia	Lagomorpl	Leporidae	Hypolagus		/M	V6869	Maxum
UCMP	V	87447	Mammalia	Lagomorpl	Leporidae	Hypolagus		/M	V6869	Maxum
UCMP	V	87448	Mammalia	Lagomorpl	Leporidae	Hypolagus		/M	V6869	Maxum
UCMP	V	87449	Mammalia	Lagomorpl	Leporidae	Hypolagus		/M	V6869	Maxum
UCMP	V	87450	Mammalia	Lagomorpl	Leporidae	Hypolagus		/M	V6869	Maxum
UCMP	V	87451	Mammalia	Lagomorpl	Leporidae	Hypolagus		/M	V6869	Maxum
UCMP	V	87452	Mammalia	Lagomorpl	Leporidae	Hypolagus		/M	V6869	Maxum
UCMP	V	87453	Mammalia	Lagomorpl	Leporidae	Hypolagus		/M	V6869	Maxum
UCMP	V	87454	Mammalia	Lagomorpl	Leporidae	Hypolagus		/M	V6869	Maxum
UCMP	V	87455	Mammalia	Lagomorpl	Leporidae	Hypolagus		/M	V6869	Maxum
UCMP	V	87456	Mammalia	Lagomorpl	Leporidae	Hypolagus		/M	V6869	Maxum
UCMP	V	87457	Mammalia	Lagomorpl	Leporidae	Hypolagus		/M	V6869	Maxum
UCMP	V	87458	Mammalia	Lagomorpl	Leporidae	Hypolagus		/M	V6869	Maxum
UCMP	V	87459	Mammalia	Lagomorpl	Leporidae	Hypolagus		/M	V6869	Maxum
UCMP	V	87460	Mammalia	Lagomorpl	Leporidae	Hypolagus		/M	V6869	Maxum
UCMP	V	87461	Mammalia	Lagomorpl	Leporidae	Hypolagus		/M	V6869	Maxum
UCMP	V	87462	Mammalia	Lagomorpl	Leporidae	Hypolagus		/M	V6869	Maxum
UCMP	V	87463	Mammalia	Lagomorpl	Leporidae	Hypolagus		/M	V6869	Maxum
UCMP	V	87464	Mammalia	Lagomorpl	Leporidae	Hypolagus		/M	V6869	Maxum
UCMP	V	87465	Mammalia	Lagomorpl	Leporidae	Hypolagus		/M	V6869	Maxum
UCMP	V	87466	Mammalia	Lagomorpl	Leporidae	Hypolagus		/M	V6869	Maxum
UCMP	V	87467	Mammalia	Lagomorpl	Leporidae	Hypolagus		/M	V6869	Maxum
UCMP	V	87468	Mammalia	Lagomorpl	Leporidae	Hypolagus		/M	V6869	Maxum
UCMP	V	87469	Mammalia	Lagomorpl	Leporidae	Hypolagus		/M	V6869	Maxum
UCMP	V	87470	Mammalia	Rodentia	Muridae	Peromyscus		M	V6869	Maxum
UCMP	V	87471	Mammalia	Rodentia	Muridae	Peromyscus		M	V6869	Maxum
UCMP	V	87472	Mammalia	Rodentia	Muridae	Peromyscus		M	V6869	Maxum
UCMP	V	87473	Mammalia	Rodentia	Muridae	Peromyscus		M	V6869	Maxum
UCMP	V	87474	Mammalia	Rodentia	Muridae	Peromyscus		M	V6869	Maxum
UCMP	V	87475	Mammalia	Rodentia	Muridae	Peromyscus		M	V6869	Maxum
UCMP	V	87476	Mammalia	Rodentia	Muridae	Peromyscus		M	V6869	Maxum
UCMP	V	87477	Mammalia	Rodentia	Muridae	Peromyscus		M	V6869	Maxum
UCMP	V	87478	Mammalia	Rodentia	Muridae	Peromyscus		M	V6869	Maxum
UCMP	V	87479	Mammalia	Rodentia	Muridae	Peromyscus		M	V6869	Maxum
UCMP	V	87480	Mammalia	Rodentia	Muridae	Peromyscus		M	V6869	Maxum
UCMP	V	87481	Mammalia	Rodentia	Muridae	Peromyscus		M	V6869	Maxum
UCMP	V	87482	Mammalia	Rodentia	Muridae	Peromyscus		M	V6869	Maxum
UCMP	V	87483	Mammalia	Rodentia	Muridae	Peromyscus		M	V6869	Maxum
UCMP	V	87484	Mammalia	Rodentia	Muridae	Peromyscus		M	V6869	Maxum
UCMP	V	87485	Mammalia	Rodentia	Muridae	Peromyscus		M	V6869	Maxum
UCMP	V	87486	Mammalia	Rodentia	Muridae	Peromyscus		M	V6869	Maxum
UCMP	V	87487	Mammalia	Rodentia	Muridae	Peromyscus		M	V6869	Maxum
UCMP	V	87488	Mammalia	Rodentia	Muridae	Peromyscus		M	V6869	Maxum
UCMP	V	87489	Mammalia	Rodentia	Muridae	Peromyscus		M	V6869	Maxum
UCMP	V	87490	Mammalia	Rodentia	Muridae	Peromyscus		M	V6869	Maxum

UCMP	V	87491	Mammalia	Rodentia	Muridae	Peromyscus					M	V6869 Maxum
UCMP	V	87492	Mammalia	Rodentia	Muridae	Peromyscus					M	V6869 Maxum
UCMP	V	87493	Mammalia	Rodentia	Muridae	Peromyscus					M	V6869 Maxum
UCMP	V	87494	Mammalia	Rodentia	Muridae	Peromyscus					M	V6869 Maxum
UCMP	V	87495	Mammalia	Rodentia	Muridae	Peromyscus					M	V6869 Maxum
UCMP	V	87496	Mammalia	Rodentia	Muridae	Peromyscus					M	V6869 Maxum
UCMP	V	87497	Mammalia	Rodentia	Muridae	Peromyscus					M	V6869 Maxum
UCMP	V	87498	Mammalia	Rodentia	Muridae	Peromyscus					M	V6869 Maxum
UCMP	V	87499	Mammalia	Rodentia	Muridae	Peromyscus					M	V6869 Maxum
UCMP	V	87500	Mammalia	Rodentia	Muridae	Peromyscus					M	V6869 Maxum
UCMP	V	87501	Mammalia	Rodentia	Muridae	Peromyscus					M	V6869 Maxum
UCMP	V	87502	Mammalia	Rodentia	Muridae	Peromyscus					M	V6869 Maxum
UCMP	V	87503	Mammalia	Rodentia	Muridae	Peromyscus					M	V6869 Maxum
UCMP	V	87504	Mammalia	Rodentia	Muridae	Peromyscus					M	V6869 Maxum
UCMP	V	87505	Mammalia	Rodentia	Cricetidae						M	V6869 Maxum
UCMP	V	87506	Mammalia	Rodentia	Cricetidae						M	V6869 Maxum
UCMP	V	87507	Mammalia	Rodentia	Cricetidae						M	V6869 Maxum
UCMP	V	87508	Mammalia	Rodentia	Cricetidae						M	V6869 Maxum
UCMP	V	87509	Mammalia	Rodentia	Cricetidae						M	V6869 Maxum
UCMP	V	87510	Mammalia	Rodentia	Cricetidae						M	V6869 Maxum
UCMP	V	87511	Mammalia	Rodentia	Cricetidae						M	V6869 Maxum
UCMP	V	87512	Mammalia	Rodentia	Cricetidae						M	V6869 Maxum
UCMP	V	87513	Mammalia	Rodentia	Cricetidae						M	V6869 Maxum
UCMP	V	87514	Mammalia	Rodentia	Cricetidae						M	V6869 Maxum
UCMP	V	87515	Mammalia	Rodentia	Cricetidae						M	V6869 Maxum
UCMP	V	87516	Mammalia	Rodentia	Cricetidae						M	V6869 Maxum
UCMP	V	87517	Mammalia	Rodentia	Cricetidae						M	V6869 Maxum
UCMP	V	87518	Mammalia	Rodentia	Cricetidae						M	V6869 Maxum
UCMP	V	87519	Mammalia	Rodentia	Cricetidae						M	V6869 Maxum
UCMP	V	87520	Mammalia	Rodentia	Cricetidae						M	V6869 Maxum
UCMP	V	87521	Mammalia	Rodentia	Cricetidae						M	V6869 Maxum
UCMP	V	87522	Mammalia	Rodentia	Cricetidae						M	V6869 Maxum
UCMP	V	87523	Mammalia	Rodentia	Cricetidae						M	V6869 Maxum
UCMP	V	87524	Mammalia	Rodentia	Cricetidae						M	V6869 Maxum
UCMP	V	87525	Mammalia	Rodentia	Cricetidae						M	V6869 Maxum
UCMP	V	87526	Mammalia	Rodentia	Cricetidae						M	V6869 Maxum
UCMP	V	87527	Mammalia	Rodentia	Cricetidae						M	V6869 Maxum
UCMP	V	87528	Mammalia	Rodentia	Cricetidae						M	V6869 Maxum
UCMP	V	87529	Mammalia	Rodentia	Cricetidae						M	V6869 Maxum
UCMP	V	87530	Mammalia	Rodentia	Cricetidae						M	V6869 Maxum
UCMP	V	87531	Mammalia	Rodentia	Cricetidae						M	V6869 Maxum
UCMP	V	87532	Mammalia	Rodentia	Cricetidae						M	V6869 Maxum
UCMP	V	87533	Mammalia	Rodentia	Cricetidae						M	V6869 Maxum
UCMP	V	87534	Mammalia	Rodentia	Cricetidae						M	V6869 Maxum
UCMP	V	87535	Mammalia	Rodentia	Cricetidae	Postcopen repenningi		FIG	Ronez, C.+Martin, R.A.+Kelly, T.S		M1/	V6869 Maxum
UCMP	V	87536	Mammalia	Rodentia	Cricetidae						M	V6869 Maxum
UCMP	V	87537	Mammalia	Rodentia	Cricetidae						M	V6869 Maxum
UCMP	V	87538	Mammalia	Rodentia	Cricetidae						M	V6869 Maxum
UCMP	V	87539	Mammalia	Rodentia	Cricetidae						M	V6869 Maxum
UCMP	V	87540	Mammalia	Rodentia	Cricetidae						M	V6869 Maxum
UCMP	V	87541	Mammalia	Rodentia	Cricetidae		Cricetinae				M	V6869 Maxum
UCMP	V	87542	Mammalia	Rodentia	Cricetidae		Cricetinae				M	V6869 Maxum
UCMP	V	87543	Mammalia	Rodentia	Cricetidae		Cricetinae				M	V6869 Maxum
UCMP	V	87544	Mammalia	Rodentia	Cricetidae		Cricetinae				M	V6869 Maxum
UCMP	V	87545	Mammalia	Rodentia	Cricetidae		Cricetinae				M	V6869 Maxum
UCMP	V	87546	Mammalia	Rodentia	Cricetidae		Cricetinae				M	V6869 Maxum
UCMP	V	87547	Mammalia	Rodentia	Cricetidae		Cricetinae				M	V6869 Maxum
UCMP	V	87548	Mammalia	Rodentia	Cricetidae		Cricetinae				M	V6869 Maxum
UCMP	V	87549	Mammalia	Rodentia	Cricetidae		Cricetinae				M	V6869 Maxum
UCMP	V	87550	Mammalia	Rodentia	Cricetidae		Cricetinae				M	V6869 Maxum
UCMP	V	87551	Mammalia	Rodentia	Cricetidae		Cricetinae				M	V6869 Maxum
UCMP	V	87552	Mammalia	Rodentia	Cricetidae		Cricetinae				M	V6869 Maxum
UCMP	V	87553	Mammalia	Rodentia	Cricetidae		Cricetinae				M	V6869 Maxum
UCMP	V	87554	Mammalia	Rodentia	Cricetidae		Cricetinae				M	V6869 Maxum
UCMP	V	87555	Mammalia	Rodentia	Cricetidae		Cricetinae				M	V6869 Maxum
UCMP	V	87556	Mammalia	Rodentia	Cricetidae		Cricetinae				M	V6869 Maxum
UCMP	V	87557	Mammalia	Rodentia	Cricetidae		Cricetinae				M	V6869 Maxum
UCMP	V	87558	Mammalia	Rodentia	Cricetidae		Cricetinae				M	V6869 Maxum
UCMP	V	87559	Mammalia	Rodentia	Cricetidae		Cricetinae				M	V6869 Maxum
UCMP	V	87560	Mammalia	Rodentia	Cricetidae		Cricetinae				M	V6869 Maxum
UCMP	V	87561	Mammalia	Rodentia	Cricetidae		Cricetinae				M	V6869 Maxum
UCMP	V	87562	Mammalia	Rodentia	Cricetidae		Cricetinae				M	V6869 Maxum
UCMP	V	87563	Mammalia	Rodentia	Cricetidae		Cricetinae				M	V6869 Maxum
UCMP	V	87564	Mammalia	Rodentia	Cricetidae		Cricetinae				M	V6869 Maxum

UCMP	V	87565	Mammalia	Rodentia	Muridae	Peromyscus			/R	M1-M2	V6869 Maxum
UCMP	V	87566	Mammalia	Rodentia	Muridae	Peromyscus			/R	M1-M2	V6869 Maxum
UCMP	V	87567	Mammalia	Rodentia	Cricetidae	Jacobsomy dailyi	FIG	Ronez, C.+Martin, R.A.+Kelly, T.S	/R	M1-M2	V6869 Maxum
UCMP	V	87568	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87569	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87570	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87571	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87572	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87573	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87574	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87575	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87576	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87577	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87578	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87579	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87580	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87581	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87582	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87583	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87584	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87585	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87586	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87587	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87588	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87589	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87590	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87591	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87592	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87593	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87594	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87595	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87596	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87597	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87598	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87599	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87600	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87601	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87602	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87603	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87604	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87605	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87606	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87607	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87608	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87609	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87610	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87611	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87612	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87613	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87614	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87615	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87616	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87617	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87618	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87619	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87620	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87621	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87622	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87623	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87624	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87625	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87626	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87627	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87628	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87629	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87630	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87631	Mammalia	Rodentia	Sciuridae	Protospermophilus			M/		V6869 Maxum
UCMP	V	87632	Mammalia	Rodentia	Sciuridae	Protospermophilus			/M		V6869 Maxum
UCMP	V	87633	Mammalia	Rodentia	Sciuridae	Protospermophilus			/M		V6869 Maxum
UCMP	V	87634	Mammalia	Rodentia	Sciuridae	Protospermophilus			/M		V6869 Maxum
UCMP	V	87635	Mammalia	Rodentia	Sciuridae	Protospermophilus			/M		V6869 Maxum
UCMP	V	87636	Mammalia	Rodentia	Sciuridae	Protospermophilus			/M		V6869 Maxum
UCMP	V	87637	Mammalia	Rodentia	Sciuridae	Protospermophilus			/M		V6869 Maxum
UCMP	V	87638	Mammalia	Rodentia	Sciuridae	Protospermophilus			/M		V6869 Maxum

UCMP	V	87639	Mammalia	Rodentia	Sciuridae	Protospermophilus	/M	V6869	Maxum
UCMP	V	87640	Mammalia	Rodentia	Sciuridae	Protospermophilus	/M	V6869	Maxum
UCMP	V	87641	Mammalia	Rodentia	Sciuridae	Protospermophilus	/M	V6869	Maxum
UCMP	V	87642	Mammalia	Rodentia	Sciuridae	Protospermophilus	/M	V6869	Maxum
UCMP	V	87643	Mammalia	Rodentia	Sciuridae	Protospermophilus	/M	V6869	Maxum
UCMP	V	87644	Mammalia	Rodentia	Sciuridae	Protospermophilus	/M	V6869	Maxum
UCMP	V	87645	Mammalia	Rodentia	Sciuridae	Protospermophilus	/M	V6869	Maxum
UCMP	V	87646	Mammalia	Rodentia	Sciuridae	Protospermophilus	/M	V6869	Maxum
UCMP	V	87647	Mammalia	Rodentia	Sciuridae	Protospermophilus	/M	V6869	Maxum
UCMP	V	87648	Mammalia	Rodentia	Sciuridae	Protospermophilus	/M	V6869	Maxum
UCMP	V	87649	Mammalia	Rodentia	Sciuridae	Protospermophilus	/M	V6869	Maxum
UCMP	V	87650	Mammalia	Rodentia	Sciuridae	Protospermophilus	/M	V6869	Maxum
UCMP	V	87651	Mammalia	Rodentia	Sciuridae	Protospermophilus	/M	V6869	Maxum
UCMP	V	87652	Mammalia	Rodentia	Sciuridae	Protospermophilus	/M	V6869	Maxum
UCMP	V	87653	Mammalia	Rodentia	Sciuridae	Protospermophilus	/M	V6869	Maxum
UCMP	V	87654	Mammalia	Rodentia	Sciuridae	Protospermophilus	/M	V6869	Maxum
UCMP	V	87655	Mammalia	Rodentia	Sciuridae	Protospermophilus	/M	V6869	Maxum
UCMP	V	87656	Mammalia	Rodentia	Sciuridae	Protospermophilus	/M	V6869	Maxum
UCMP	V	87657	Mammalia	Rodentia	Sciuridae	Protospermophilus	/M	V6869	Maxum
UCMP	V	87658	Mammalia	Rodentia	Sciuridae	Protospermophilus	/M	V6869	Maxum
UCMP	V	87659	Mammalia	Rodentia	Sciuridae	Protospermophilus	/M	V6869	Maxum
UCMP	V	87660	Mammalia	Rodentia	Sciuridae	Protospermophilus	/M	V6869	Maxum
UCMP	V	87661	Mammalia	Rodentia	Sciuridae	Protospermophilus	/M	V6869	Maxum
UCMP	V	87662	Mammalia	Rodentia	Sciuridae	Protospermophilus	/M	V6869	Maxum
UCMP	V	87663	Mammalia	Rodentia	Sciuridae	Protospermophilus	/M	V6869	Maxum
UCMP	V	87664	Mammalia	Rodentia	Sciuridae	Protospermophilus	/M	V6869	Maxum
UCMP	V	87665	Mammalia	Rodentia	Sciuridae	Protospermophilus	/M	V6869	Maxum
UCMP	V	87666	Mammalia	Rodentia	Sciuridae	Protospermophilus	/M	V6869	Maxum
UCMP	V	87667	Mammalia	Rodentia	Sciuridae	Protospermophilus	/M	V6869	Maxum
UCMP	V	87668	Mammalia	Rodentia	Sciuridae	Protospermophilus	/M	V6869	Maxum
UCMP	V	87669	Mammalia	Rodentia	Sciuridae	Protospermophilus	/M	V6869	Maxum
UCMP	V	87670	Mammalia	Rodentia	Sciuridae	Protospermophilus	/M	V6869	Maxum
UCMP	V	87671	Mammalia	Rodentia	Sciuridae	Protospermophilus	/M	V6869	Maxum
UCMP	V	87672	Mammalia	Rodentia	Sciuridae	Protospermophilus	/M	V6869	Maxum
UCMP	V	87673	Mammalia	Rodentia	Sciuridae	Protospermophilus	/M	V6869	Maxum
UCMP	V	87674	Mammalia	Rodentia	Sciuridae	Protospermophilus	/M	V6869	Maxum
UCMP	V	87675	Mammalia	Rodentia	Sciuridae	Protospermophilus	/M	V6869	Maxum
UCMP	V	87676	Mammalia	Rodentia	Sciuridae	Protospermophilus	/M	V6869	Maxum
UCMP	V	87677	Mammalia	Rodentia	Sciuridae	Protospermophilus	/M	V6869	Maxum
UCMP	V	87678	Mammalia	Rodentia	Sciuridae	Protospermophilus	/M	V6869	Maxum
UCMP	V	87679	Mammalia	Rodentia	Sciuridae	Protospermophilus	/M	V6869	Maxum
UCMP	V	87680	Mammalia	Rodentia	Sciuridae	Protospermophilus	/M	V6869	Maxum
UCMP	V	87681	Mammalia	Rodentia	Sciuridae	Protospermophilus	/M	V6869	Maxum
UCMP	V	87682	Mammalia	Rodentia	Sciuridae	Protospermophilus	/M	V6869	Maxum
UCMP	V	87683	Mammalia	Rodentia	Sciuridae	Protospermophilus	/M	V6869	Maxum
UCMP	V	87684	Mammalia	Rodentia	Geomyida	Thomomys	M	V6869	Maxum
UCMP	V	87685	Mammalia	Rodentia	Geomyida	Thomomys	M	V6869	Maxum
UCMP	V	87686	Mammalia	Rodentia	Geomyida	Thomomys	M	V6869	Maxum
UCMP	V	87687	Mammalia	Rodentia	Geomyida	Thomomys	M	V6869	Maxum
UCMP	V	87688	Mammalia	Rodentia	Geomyida	Thomomys	M	V6869	Maxum
UCMP	V	87689	Mammalia	Rodentia	Geomyida	Thomomys	M	V6869	Maxum
UCMP	V	87690	Mammalia	Rodentia	Geomyida	Thomomys	M	V6869	Maxum
UCMP	V	87691	Mammalia	Rodentia	Geomyida	Thomomys	M	V6869	Maxum
UCMP	V	87692	Mammalia	Rodentia	Geomyida	Thomomys	M	V6869	Maxum
UCMP	V	87693	Mammalia	Rodentia	Geomyida	Thomomys	M	V6869	Maxum
UCMP	V	87694	Mammalia	Rodentia	Geomyida	Thomomys	M	V6869	Maxum
UCMP	V	87695	Mammalia	Rodentia	Geomyida	Thomomys	M	V6869	Maxum
UCMP	V	87696	Mammalia	Rodentia	Geomyida	Thomomys	M	V6869	Maxum
UCMP	V	87697	Mammalia	Rodentia	Geomyida	Thomomys	M	V6869	Maxum
UCMP	V	87698	Mammalia	Rodentia	Geomyida	Thomomys	M	V6869	Maxum
UCMP	V	87699	Mammalia	Rodentia	Geomyida	Thomomys	M	V6869	Maxum
UCMP	V	87700	Mammalia	Rodentia	Geomyida	Thomomys	M	V6869	Maxum
UCMP	V	87701	Mammalia	Rodentia	Geomyida	Thomomys	M	V6869	Maxum
UCMP	V	87702	Mammalia	Rodentia	Geomyida	Thomomys	M	V6869	Maxum
UCMP	V	87703	Mammalia	Rodentia	Geomyida	Thomomys	M	V6869	Maxum
UCMP	V	87704	Mammalia	Rodentia	Geomyida	Thomomys	M	V6869	Maxum
UCMP	V	87705	Mammalia	Rodentia	Geomyida	Thomomys	M	V6869	Maxum
UCMP	V	87706	Mammalia	Rodentia	Geomyida	Thomomys	M	V6869	Maxum
UCMP	V	87707	Mammalia	Rodentia	Geomyida	Thomomys	M	V6869	Maxum
UCMP	V	87708	Mammalia	Rodentia	Geomyida	Thomomys	M	V6869	Maxum
UCMP	V	87709	Mammalia	Rodentia	Geomyida	Thomomys	M	V6869	Maxum
UCMP	V	87710	Mammalia	Rodentia	Geomyida	Thomomys	M	V6869	Maxum
UCMP	V	87711	Mammalia	Rodentia	Geomyida	Thomomys	M	V6869	Maxum
UCMP	V	87712	Mammalia	Rodentia	Geomyida	Thomomys	M	V6869	Maxum

UCMP	V	87713	Mammalia	Rodentia	Geomyida	Thomomys				M	V6869	Maxum
UCMP	V	87714	Mammalia	Rodentia	Geomyida	Thomomys				M	V6869	Maxum
UCMP	V	87715	Mammalia	Rodentia	Geomyida	Thomomys				M	V6869	Maxum
UCMP	V	87716	Mammalia	Rodentia	Geomyida	Thomomys				M	V6869	Maxum
UCMP	V	87717	Mammalia	Rodentia	Geomyida	Thomomys				M	V6869	Maxum
UCMP	V	87718	Mammalia	Rodentia	Geomyida	Thomomys				M	V6869	Maxum
UCMP	V	87719	Mammalia	Rodentia	Geomyida	Thomomys				M	V6869	Maxum
UCMP	V	87720	Mammalia	Rodentia	Geomyida	Thomomys				M	V6869	Maxum
UCMP	V	87721	Mammalia	Rodentia	Geomyida	Thomomys				M	V6869	Maxum
UCMP	V	87722	Mammalia	Rodentia	Geomyida	Thomomys				M	V6869	Maxum
UCMP	V	87723	Mammalia	Rodentia	Geomyida	Thomomys				M	V6869	Maxum
UCMP	V	87724	Mammalia	Rodentia	Geomyida	Thomomys				M	V6869	Maxum
UCMP	V	87725	Mammalia	Rodentia	Geomyida	Thomomys				M	V6869	Maxum
UCMP	V	87726	Mammalia	Rodentia	Geomyida	Thomomys				M	V6869	Maxum
UCMP	V	87727	Mammalia	Rodentia	Geomyida	Thomomys				M	V6869	Maxum
UCMP	V	87728	Mammalia	Rodentia	Geomyida	Thomomys				M	V6869	Maxum
UCMP	V	87729	Mammalia	Rodentia	Geomyida	Thomomys				M	V6869	Maxum
UCMP	V	87730	Mammalia	Rodentia	Geomyida	Thomomys				M	V6869	Maxum
UCMP	V	87731	Mammalia	Rodentia	Geomyida	Thomomys				M	V6869	Maxum
UCMP	V	87732	Mammalia	Rodentia	Geomyida	Thomomys				M	V6869	Maxum
UCMP	V	87733	Mammalia	Rodentia	Geomyida	Thomomys				M	V6869	Maxum
UCMP	V	87734	Mammalia	Rodentia	Geomyida	Thomomys				M	V6869	Maxum
UCMP	V	87735	Mammalia	Rodentia	Geomyida	Thomomys				M	V6869	Maxum
UCMP	V	87736	Mammalia	Rodentia	Geomyida	Thomomys				M	V6869	Maxum
UCMP	V	87737	Mammalia	Rodentia	Geomyida	Thomomys				M	V6869	Maxum
UCMP	V	87738	Mammalia	Rodentia	Geomyida	Thomomys				M	V6869	Maxum
UCMP	V	87739	Mammalia	Rodentia	Geomyida	Thomomys				M	V6869	Maxum
UCMP	V	87740	Mammalia	Rodentia	Geomyida	Thomomys				M	V6869	Maxum
UCMP	V	87741	Mammalia	Rodentia	Geomyida	Thomomys				M	V6869	Maxum
UCMP	V	87742	Mammalia	Rodentia	Geomyida	Thomomys				M	V6869	Maxum
UCMP	V	87743	Mammalia	Rodentia	Geomyida	Thomomys				M	V6869	Maxum
UCMP	V	87744	Mammalia	Rodentia	Geomyida	Thomomys				M	V6869	Maxum
UCMP	V	87745	Mammalia	Rodentia	Geomyida	Thomomys				M	V6869	Maxum
UCMP	V	87746	Mammalia	Rodentia	Geomyida	Thomomys				M	V6869	Maxum
UCMP	V	87747	Mammalia	Rodentia	Geomyida	Thomomys				M	V6869	Maxum
UCMP	V	87748	Mammalia	Rodentia	Geomyida	Thomomys				M	V6869	Maxum
UCMP	V	87749	Mammalia	Rodentia	Geomyida	Thomomys				M	V6869	Maxum
UCMP	V	87750	Mammalia	Rodentia	Geomyida	Thomomys				M	V6869	Maxum
UCMP	V	87751	Mammalia	Rodentia	Cricetidae	Repomys	maxumi	PUBL	May, S.R. 1981. JVP 1, p223	R /M1-M2	V6869	Maxum
UCMP	V	87752	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis			M	V6869	Maxum
UCMP	V	87753	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis			M	V6869	Maxum
UCMP	V	87754	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis			M	V6869	Maxum
UCMP	V	87755	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis			M	V6869	Maxum
UCMP	V	87756	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis			M	V6869	Maxum
UCMP	V	87757	Mammalia	Rodentia	Cricetidae	Repomys	maxumi	PUBL	May, S.R. 1981. JVP 1, p223	/M1	V6869	Maxum
UCMP	V	87758	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis			M	V6869	Maxum
UCMP	V	87759	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis			M	V6869	Maxum
UCMP	V	87760	Mammalia	Rodentia	Cricetidae	Repomys	maxumi	FIG	May, S.R. JVP 1, fig6H,K, p222	L /M2	V6869	Maxum
UCMP	V	87761	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis			M	V6869	Maxum
UCMP	V	87762	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis			M	V6869	Maxum
UCMP	V	87763	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis			M	V6869	Maxum
UCMP	V	87764	Mammalia	Rodentia	Cricetidae	Repomys	maxumi	PUBL	May, S.R. 1981. JVP 1, p223	M2/	V6869	Maxum
UCMP	V	87765	Mammalia	Rodentia	Cricetidae	Repomys	maxumi	PUBL	May, S.R. 1981. JVP 1, p223	/M1	V6869	Maxum
UCMP	V	87766	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis			M	V6869	Maxum
UCMP	V	87767	Mammalia	Rodentia	Cricetidae	Repomys	maxumi	PUBL	May, S.R. 1981. JVP 1, p223	M2/	V6869	Maxum
UCMP	V	87768	Mammalia	Rodentia	Cricetidae	Repomys	maxumi	PUBL	May, S.R. 1981. JVP 1, p223	M1/	V6869	Maxum
UCMP	V	87769	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis			M	V6869	Maxum
UCMP	V	87770	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis			M	V6869	Maxum
UCMP	V	87771	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis			M	V6869	Maxum
UCMP	V	87772	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis			M	V6869	Maxum
UCMP	V	87773	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis			M	V6869	Maxum
UCMP	V	87774	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis			M	V6869	Maxum
UCMP	V	87775	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis			M	V6869	Maxum
UCMP	V	87776	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis			M	V6869	Maxum
UCMP	V	87777	Mammalia	Rodentia	Cricetidae	Repomys	maxumi	PUBL	May, S.R. 1981. JVP 1, p223	/M2	V6869	Maxum
UCMP	V	87778	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis			M	V6869	Maxum
UCMP	V	87779	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis			M	V6869	Maxum
UCMP	V	87780	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis			M	V6869	Maxum
UCMP	V	87781	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis			M	V6869	Maxum
UCMP	V	87782	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis			M	V6869	Maxum
UCMP	V	87783	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis			M	V6869	Maxum
UCMP	V	87784	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis			M	V6869	Maxum
UCMP	V	87785	Mammalia	Rodentia	Cricetidae	Repomys	maxumi	PUBL	May, S.R. 1981. JVP 1, p223	M1/	V6869	Maxum
UCMP	V	87786	Mammalia	Rodentia	Cricetidae	Repomys	maxumi	PUBL	May, S.R. 1981. JVP 1, p223	M2/	V6869	Maxum

UCMP	V	87787	Mammalia	Rodentia	Cricetidae	Repomys	maxumi		FIG	May, S.R. 1981. JVP 1, fig6B,E, p2	L	M2/	V6869	Maxum
UCMP	V	87788	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis					M	V6869	Maxum
UCMP	V	87789	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis					M	V6869	Maxum
UCMP	V	87790	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis					M	V6869	Maxum
UCMP	V	87791	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis					M	V6869	Maxum
UCMP	V	87792	Mammalia	Rodentia	Cricetidae	Repomys	maxumi		FIG	May, S.R. 1981, JVP 1, fig6G,J, p2	L	/M1	V6869	Maxum
UCMP	V	87793	Mammalia	Rodentia	Cricetidae	Repomys	maxumi		PUBL	May, S.R. 1981. JVP 1, p223		/M1	V6869	Maxum
UCMP	V	87794	Mammalia	Rodentia	Cricetidae	Repomys	maxumi		PUBL	May, S.R. 1981. JVP 1, p223		/M1	V6869	Maxum
UCMP	V	87795	Mammalia	Rodentia	Cricetidae	Repomys	maxumi		PUBL	May, S.R. 1981. JVP 1, p223		/M1	V6869	Maxum
UCMP	V	87796	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis					M	V6869	Maxum
UCMP	V	87797	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis					M	V6869	Maxum
UCMP	V	87798	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis					M	V6869	Maxum
UCMP	V	87799	Mammalia	Rodentia	Cricetidae	Repomys	maxumi		PUBL	May, S.R. 1981. JVP 1, p223		M1/	V6869	Maxum
UCMP	V	87800	Mammalia	Rodentia	Cricetidae	Repomys	maxumi		PUBL	May, S.R. 1981. JVP 1, p223		M1/	V6869	Maxum
UCMP	V	87801	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis					M	V6869	Maxum
UCMP	V	87802	Mammalia	Rodentia	Cricetidae	Repomys	maxumi		PUBL	May, S.R. 1981. JVP 1, fig2H, p22(	L	/M3	V6869	Maxum
UCMP	V	87803	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis					M	V6869	Maxum
UCMP	V	87804	Mammalia	Rodentia	Cricetidae	Repomys	maxumi		PUBL	May, S.R. 1981. JVP 1, p223		/M2	V6869	Maxum
UCMP	V	87805	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis					M	V6869	Maxum
UCMP	V	87806	Mammalia	Rodentia	Cricetidae	Repomys	maxumi		FIG	May, S.R. 1981. JVP 1, fig7D, p22:	R	M1/	V6869	Maxum
UCMP	V	87807	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis					M	V6869	Maxum
UCMP	V	87808	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis					M	V6869	Maxum
UCMP	V	87809	Mammalia	Rodentia	Cricetidae	Repomys	maxumi		PUBL	May, S.R. 1981. JVP 1, p223		/M3	V6869	Maxum
UCMP	V	87810	Mammalia	Rodentia	Cricetidae	Repomys	maxumi		TYPE	May, S.R. 1981. JVP 1, fig6I,6L, p2	L	/M3	V6869	Maxum
UCMP	V	87811	Mammalia	Rodentia	Cricetidae	Repomys	maxumi		PUBL	May, S.R. 1981. JVP 1, p223		/M2	V6869	Maxum
UCMP	V	87812	Mammalia	Rodentia	Cricetidae	Repomys	maxumi		PUBL	May, S.R. 1981. JVP 1, fig2I, p220	R	/M3	V6869	Maxum
UCMP	V	87813	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis					/L M3	V6869	Maxum
UCMP	V	87814	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis					M	V6869	Maxum
UCMP	V	87815	Mammalia	Rodentia	Cricetidae	Repomys	maxumi		PUBL	May, S.R. 1981. JVP 1, p223		M2/	V6869	Maxum
UCMP	V	87816	Mammalia	Rodentia	Cricetidae	Repomys	maxumi		PUBL	May, S.R. 1981. JVP 1, p223		M1/	V6869	Maxum
UCMP	V	87817	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis					M	V6869	Maxum
UCMP	V	87818	Mammalia	Rodentia	Cricetidae	Repomys	maxumi		PUBL	May, S.R. 1981. JVP 1, p223		/M3	V6869	Maxum
UCMP	V	87819	Mammalia	Rodentia	Cricetidae	Repomys	maxumi		PUBL	May, S.R. 1981. JVP 1, p223		M3/	V6869	Maxum
UCMP	V	87820	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis					M	V6869	Maxum
UCMP	V	87821	Mammalia	Rodentia	Cricetidae	Repomys	maxumi		PUBL	May, S.R. 1981. JVP 1, fig 2F, p22(	R	M3/	V6869	Maxum
UCMP	V	87822	Mammalia	Rodentia	Cricetidae	Repomys	maxumi		PUBL	May, S.R. 1981. JVP 1, p223		/M1	V6869	Maxum
UCMP	V	87823	Mammalia	Rodentia	Cricetidae	Repomys	maxumi		PUBL	May, S.R. 1981. JVP 1, fig2D, p22(	L	M3/	V6869	Maxum
UCMP	V	87824	Mammalia	Rodentia	Cricetidae	Repomys	maxumi		PUBL	May, S.R. 1981. JVP 1, p223		/M2	V6869	Maxum
UCMP	V	87825	Mammalia	Rodentia	Cricetidae	Repomys	maxumi		PUBL	May, S.R. 1981. JVP 1, p223		M3/	V6869	Maxum
UCMP	V	87826	Mammalia	Rodentia	Cricetidae	Repomys	maxumi		PUBL	May, S.R. 1981. JVP 1, p223		/M3	V6869	Maxum
UCMP	V	87827	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis					M	V6869	Maxum
UCMP	V	87828	Mammalia	Rodentia	Cricetidae	Repomys	maxumi		PUBL	May, S.R. 1981. JVP 1, p223		/M3	V6869	Maxum
UCMP	V	87829	Mammalia	Rodentia	Cricetidae	Repomys	maxumi		FIG	May, S.R. 1981. JVP 1, fig6C,F, p2	L	M3/	V6869	Maxum
UCMP	V	87830	Mammalia	Rodentia	Cricetidae	Repomys	maxumi		FIG	May, S.R. 1981. JVP 1, fig6A,D, p2	R	M1/	V6869	Maxum
UCMP	V	87831	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis					M	V6869	Maxum
UCMP	V	87832	Mammalia	Rodentia	Cricetidae	Repomys	maxumi		PUBL	May, S.R. 1981. JVP 1, p223		M2/	V6869	Maxum
UCMP	V	87833	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis					M	V6869	Maxum
UCMP	V	87834	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis					M	V6869	Maxum
UCMP	V	87835	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis					M	V6869	Maxum
UCMP	V	87836	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis					M	V6869	Maxum
UCMP	V	87837	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis					M	V6869	Maxum
UCMP	V	87838	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis					M	V6869	Maxum
UCMP	V	87839	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis					M	V6869	Maxum
UCMP	V	87840	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis					M	V6869	Maxum
UCMP	V	87841	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis					M	V6869	Maxum
UCMP	V	87842	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis					M	V6869	Maxum
UCMP	V	87843	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis					M	V6869	Maxum
UCMP	V	87844	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis					M	V6869	Maxum
UCMP	V	87845	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis					M	V6869	Maxum
UCMP	V	87846	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis					M	V6869	Maxum
UCMP	V	87847	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis					M	V6869	Maxum
UCMP	V	87848	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis					M	V6869	Maxum
UCMP	V	87849	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis					M	V6869	Maxum
UCMP	V	87850	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis					M	V6869	Maxum
UCMP	V	87851	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis					M	V6869	Maxum
UCMP	V	87852	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis					M	V6869	Maxum
UCMP	V	87853	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis					M	V6869	Maxum
UCMP	V	87854	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis					M	V6869	Maxum
UCMP	V	87855	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis					M	V6869	Maxum
UCMP	V	87856	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis					M	V6869	Maxum
UCMP	V	87857	Mammalia	Rodentia	Cricetidae			Microtinae				M	V6869	Maxum
UCMP	V	87858	Mammalia	Rodentia	Cricetidae			Microtinae				M	V6869	Maxum
UCMP	V	87859	Mammalia	Rodentia	Cricetidae			Microtinae				M	V6869	Maxum
UCMP	V	87860	Mammalia	Rodentia	Cricetidae			Microtinae				M	V6869	Maxum

UCMP	V	87861	Mammalia	Rodentia	Cricetidae		Microtinae				M	V6869 Maxum
UCMP	V	87862	Mammalia	Rodentia	Cricetidae		Microtinae				M	V6869 Maxum
UCMP	V	87863	Mammalia	Rodentia	Cricetidae		Microtinae				M	V6869 Maxum
UCMP	V	87864	Mammalia	Rodentia	Cricetidae		Microtinae				M	V6869 Maxum
UCMP	V	87865	Mammalia	Rodentia	Cricetidae		Microtinae				M	V6869 Maxum
UCMP	V	87866	Mammalia	Rodentia	Cricetidae		Microtinae				M	V6869 Maxum
UCMP	V	87867	Mammalia	Rodentia	Cricetidae		Microtinae				M	V6869 Maxum
UCMP	V	87868	Mammalia	Rodentia	Cricetidae		Microtinae				M	V6869 Maxum
UCMP	V	87869	Mammalia	Rodentia	Cricetidae		Microtinae				M	V6869 Maxum
UCMP	V	87870	Mammalia	Rodentia	Cricetidae		Microtinae				M	V6869 Maxum
UCMP	V	87871	Mammalia	Rodentia	Cricetidae		Microtinae				M	V6869 Maxum
UCMP	V	87872	Mammalia	Rodentia	Cricetidae		Microtinae				M	V6869 Maxum
UCMP	V	87873	Mammalia	Rodentia	Cricetidae		Microtinae				M	V6869 Maxum
UCMP	V	87874	Mammalia	Rodentia	Cricetidae		Microtinae				M	V6869 Maxum
UCMP	V	87875	Mammalia	Rodentia	Cricetidae		Microtinae				M	V6869 Maxum
UCMP	V	87876	Mammalia	Rodentia	Cricetidae		Microtinae				M	V6869 Maxum
UCMP	V	87877	Mammalia	Rodentia	Cricetidae		Microtinae				M	V6869 Maxum
UCMP	V	87878	Mammalia	Rodentia	Cricetidae		Microtinae				M	V6869 Maxum
UCMP	V	87879	Mammalia	Rodentia	Cricetidae		Microtinae				M	V6869 Maxum
UCMP	V	87880	Mammalia	Rodentia	Cricetidae		Microtinae				M	V6869 Maxum
UCMP	V	87881	Mammalia	Rodentia	Cricetidae		Microtinae				M	V6869 Maxum
UCMP	V	87882	Mammalia	Rodentia	Cricetidae		Microtinae				M	V6869 Maxum
UCMP	V	87883	Mammalia	Rodentia	Cricetidae		Microtinae				M	V6869 Maxum
UCMP	V	87884	Mammalia	Rodentia	Cricetidae		Microtinae				M	V6869 Maxum
UCMP	V	87885	Mammalia	Rodentia	Cricetidae		Microtinae				M	V6869 Maxum
UCMP	V	87886	Mammalia	Rodentia	Cricetidae		Microtinae				M	V6869 Maxum
UCMP	V	87887	Mammalia	Rodentia	Cricetidae		Microtinae				M	V6869 Maxum
UCMP	V	87888	Mammalia	Rodentia	Cricetidae		Microtinae				M	V6869 Maxum
UCMP	V	87889	Mammalia	Rodentia	Muridae	Peromyscus					/M1	V6869 Maxum
UCMP	V	87890	Mammalia	Rodentia	Muridae	Peromyscus					/M1	V6869 Maxum
UCMP	V	87891	Mammalia	Rodentia	Muridae	Peromyscus					/M1	V6869 Maxum
UCMP	V	87892	Mammalia	Rodentia	Muridae	Peromyscus					/M1	V6869 Maxum
UCMP	V	87893	Mammalia	Rodentia	Muridae	Peromyscus					/M1	V6869 Maxum
UCMP	V	87894	Mammalia	Rodentia	Muridae	Peromyscus					/M1	V6869 Maxum
UCMP	V	87895	Mammalia	Rodentia	Muridae	Peromyscus					/M1	V6869 Maxum
UCMP	V	87896	Mammalia	Rodentia	Muridae	Peromyscus					/M1	V6869 Maxum
UCMP	V	87897	Mammalia	Rodentia	Muridae	Peromyscus					/M1	V6869 Maxum
UCMP	V	87898	Mammalia	Rodentia	Muridae	Peromyscus					/M1	V6869 Maxum
UCMP	V	87899	Mammalia	Rodentia	Muridae	Peromyscus					/M1	V6869 Maxum
UCMP	V	87900	Mammalia	Rodentia	Muridae	Peromyscus					/M1	V6869 Maxum
UCMP	V	87901	Mammalia	Rodentia	Cricetidae	Postcopen repenningi		FIG	Ronez, C.+Martin, R.A.+Kelly, T.S		/M1	V6869 Maxum
UCMP	V	87902	Mammalia	Rodentia	Muridae	Peromyscus					/M2	V6869 Maxum
UCMP	V	87903	Mammalia	Rodentia	Muridae	Peromyscus					/M2	V6869 Maxum
UCMP	V	87904	Mammalia	Rodentia	Muridae	Peromyscus					/M2	V6869 Maxum
UCMP	V	87905	Mammalia	Rodentia	Muridae	Peromyscus					/M2	V6869 Maxum
UCMP	V	87906	Mammalia	Rodentia	Muridae	Peromyscus					/M2	V6869 Maxum
UCMP	V	87907	Mammalia	Rodentia	Muridae	Peromyscus					/M2	V6869 Maxum
UCMP	V	87908	Mammalia	Rodentia	Muridae	Peromyscus					/M2	V6869 Maxum
UCMP	V	87909	Mammalia	Rodentia	Muridae	Peromyscus					/M2	V6869 Maxum
UCMP	V	87910	Mammalia	Rodentia	Muridae	Peromyscus					/M2	V6869 Maxum
UCMP	V	87911	Mammalia	Rodentia	Muridae	Peromyscus					/M2	V6869 Maxum
UCMP	V	87912	Mammalia	Rodentia	Muridae	Peromyscus					/M2	V6869 Maxum
UCMP	V	87913	Mammalia	Rodentia	Muridae	Peromyscus					/M2	V6869 Maxum
UCMP	V	87914	Mammalia	Rodentia	Muridae	Peromyscus					/M2	V6869 Maxum
UCMP	V	87915	Mammalia	Rodentia	Muridae	Peromyscus					/M2	V6869 Maxum
UCMP	V	87916	Mammalia	Rodentia	Muridae	Peromyscus					/M2	V6869 Maxum
UCMP	V	87917	Mammalia	Rodentia	Muridae	Peromyscus					/M2	V6869 Maxum
UCMP	V	87918	Mammalia	Rodentia	Muridae	Peromyscus					/M2	V6869 Maxum
UCMP	V	87919	Mammalia	Rodentia	Muridae	Peromyscus					/M2	V6869 Maxum
UCMP	V	87920	Mammalia	Rodentia	Muridae	Peromyscus					/M2	V6869 Maxum
UCMP	V	87921	Mammalia	Rodentia	Muridae	Peromyscus					/M2	V6869 Maxum
UCMP	V	87922	Mammalia	Rodentia	Muridae	Peromyscus					/M2	V6869 Maxum
UCMP	V	87923	Mammalia	Rodentia	Muridae	Peromyscus					/M2	V6869 Maxum
UCMP	V	87924	Mammalia	Rodentia	Muridae	Peromyscus					/M2	V6869 Maxum
UCMP	V	87925	Mammalia	Rodentia	Muridae	Peromyscus					/M3	V6869 Maxum
UCMP	V	87926	Mammalia	Rodentia	Muridae	Peromyscus					/M3	V6869 Maxum
UCMP	V	87927	Mammalia	Rodentia	Muridae	Peromyscus					/M3	V6869 Maxum
UCMP	V	87928	Mammalia	Rodentia	Muridae	Peromyscus					/M3	V6869 Maxum
UCMP	V	87929	Mammalia	Rodentia	Muridae	Peromyscus					/M3	V6869 Maxum
UCMP	V	87930	Mammalia	Rodentia	Muridae	Peromyscus					/M3	V6869 Maxum
UCMP	V	87931	Mammalia	Rodentia	Muridae	Peromyscus					/M	V6869 Maxum
UCMP	V	87932	Mammalia	Rodentia	Muridae	Peromyscus					/M	V6869 Maxum
UCMP	V	87933	Mammalia	Rodentia	Muridae	Peromyscus					/M	V6869 Maxum
UCMP	V	87934	Mammalia	Rodentia	Muridae	Peromyscus					/M	V6869 Maxum

UCMP	V	87935	Mammalia	Rodentia	Muridae	Peromyscus	M/	V6869	Maxum
UCMP	V	87936	Mammalia	Rodentia	Muridae	Peromyscus	M/	V6869	Maxum
UCMP	V	87937	Mammalia	Rodentia	Muridae	Peromyscus	M/	V6869	Maxum
UCMP	V	87938	Mammalia	Rodentia	Muridae	Peromyscus	M/	V6869	Maxum
UCMP	V	87939	Mammalia	Rodentia	Muridae	Peromyscus	M/	V6869	Maxum
UCMP	V	87940	Mammalia	Rodentia	Muridae	Peromyscus	M/	V6869	Maxum
UCMP	V	87941	Mammalia	Rodentia	Muridae	Peromyscus	M/	V6869	Maxum
UCMP	V	87942	Mammalia	Rodentia	Muridae	Peromyscus	M/	V6869	Maxum
UCMP	V	87943	Mammalia	Rodentia	Muridae	Peromyscus	M/	V6869	Maxum
UCMP	V	87944	Mammalia	Rodentia	Muridae	Peromyscus	M/	V6869	Maxum
UCMP	V	87945	Mammalia	Rodentia	Muridae	Peromyscus	M/	V6869	Maxum
UCMP	V	87946	Mammalia	Rodentia	Muridae	Peromyscus	M/	V6869	Maxum
UCMP	V	87947	Mammalia	Rodentia	Muridae	Peromyscus	M/	V6869	Maxum
UCMP	V	87948	Mammalia	Rodentia	Muridae	Peromyscus	M/	V6869	Maxum
UCMP	V	87949	Mammalia	Rodentia	Muridae	Peromyscus	M/	V6869	Maxum
UCMP	V	87950	Mammalia	Rodentia	Muridae	Peromyscus	M/	V6869	Maxum
UCMP	V	87951	Mammalia	Rodentia	Muridae	Peromyscus	M/	V6869	Maxum
UCMP	V	87952	Mammalia	Rodentia	Muridae	Peromyscus	M/	V6869	Maxum
UCMP	V	87953	Mammalia	Rodentia	Muridae	Peromyscus	M/	V6869	Maxum
UCMP	V	87954	Mammalia	Rodentia	Muridae	Peromyscus	M/	V6869	Maxum
UCMP	V	87955	Mammalia	Rodentia	Muridae	Peromyscus	M/	V6869	Maxum
UCMP	V	87956	Mammalia	Rodentia	Muridae	Peromyscus	M/	V6869	Maxum
UCMP	V	87957	Mammalia	Rodentia	Muridae	Peromyscus	M/	V6869	Maxum
UCMP	V	87958	Mammalia	Rodentia	Muridae	Peromyscus	M/	V6869	Maxum
UCMP	V	87959	Mammalia	Rodentia	Muridae	Peromyscus	M/	V6869	Maxum
UCMP	V	87960	Mammalia	Rodentia	Muridae	Peromyscus	M/	V6869	Maxum
UCMP	V	87961	Mammalia	Rodentia	Muridae	Peromyscus	M/	V6869	Maxum
UCMP	V	87962	Mammalia	Rodentia	Muridae	Peromyscus	M/	V6869	Maxum
UCMP	V	87963	Mammalia	Rodentia	Muridae	Peromyscus	M/	V6869	Maxum
UCMP	V	87964	Mammalia	Rodentia	Muridae	Peromyscus	M/	V6869	Maxum
UCMP	V	87965	Mammalia	Rodentia	Muridae	Peromyscus	M/	V6869	Maxum
UCMP	V	87966	Mammalia	Rodentia	Muridae	Peromyscus	M/	V6869	Maxum
UCMP	V	87967	Mammalia	Rodentia	Muridae	Peromyscus	M/	V6869	Maxum
UCMP	V	87968	Mammalia	Rodentia	Muridae	Peromyscus	M/	V6869	Maxum
UCMP	V	87969	Mammalia	Rodentia	Muridae	Peromyscus	M/	V6869	Maxum
UCMP	V	87970	Mammalia	Rodentia	Muridae	Peromyscus	M/	V6869	Maxum
UCMP	V	87971	Mammalia	Rodentia	Muridae	Peromyscus	M/	V6869	Maxum
UCMP	V	87972	Mammalia	Rodentia	Muridae	Peromyscus	M/	V6869	Maxum
UCMP	V	87973	Mammalia	Rodentia	Muridae	Peromyscus	M/	V6869	Maxum
UCMP	V	87974	Mammalia	Rodentia	Muridae	Peromyscus	M/	V6869	Maxum
UCMP	V	87975	Mammalia	Rodentia	Muridae	Peromyscus	M/	V6869	Maxum
UCMP	V	87976	Mammalia	Rodentia	Heteromyidae		M	V6869	Maxum
UCMP	V	87977	Mammalia	Rodentia	Heteromyidae		M	V6869	Maxum
UCMP	V	87978	Mammalia	Rodentia	Heteromyidae		M	V6869	Maxum
UCMP	V	87979	Mammalia	Rodentia	Heteromyidae		M	V6869	Maxum
UCMP	V	87980	Mammalia	Rodentia	Heteromyidae		M	V6869	Maxum
UCMP	V	87981	Mammalia	Rodentia	Heteromyidae		M	V6869	Maxum
UCMP	V	87982	Mammalia	Rodentia	Heteromyidae		M	V6869	Maxum
UCMP	V	87983	Mammalia	Rodentia	Heteromyidae		M	V6869	Maxum
UCMP	V	87984	Mammalia	Rodentia	Heteromyidae		M	V6869	Maxum
UCMP	V	87985	Mammalia	Rodentia	Heteromyidae		M	V6869	Maxum
UCMP	V	87986	Mammalia	Rodentia	Heteromyidae		M	V6869	Maxum
UCMP	V	87987	Mammalia	Rodentia	Heteromyidae		M	V6869	Maxum
UCMP	V	87988	Mammalia	Rodentia	Heteromyidae		M	V6869	Maxum
UCMP	V	87989	Mammalia	Rodentia	Heteromyidae		M	V6869	Maxum
UCMP	V	87990	Mammalia	Rodentia	Heteromyidae		M	V6869	Maxum
UCMP	V	87991	Mammalia	Rodentia	Heteromyidae			V6869	Maxum
UCMP	V	87992	Mammalia	Rodentia	Heteromyidae			V6869	Maxum
UCMP	V	87993	Mammalia	Rodentia	Heteromyidae			V6869	Maxum
UCMP	V	87994	Mammalia	Rodentia	Heteromyidae			V6869	Maxum
UCMP	V	87995	Mammalia	Rodentia	Heteromyidae			V6869	Maxum
UCMP	V	87996	Mammalia	Rodentia	Heteromyidae			V6869	Maxum
UCMP	V	87997	Mammalia	Rodentia	Heteromyidae			V6869	Maxum
UCMP	V	87998	Mammalia	Rodentia	Heteromyidae			V6869	Maxum
UCMP	V	87999	Mammalia	Rodentia	Heteromyidae			V6869	Maxum
UCMP	V	88000	Mammalia	Rodentia	Heteromyidae			V6869	Maxum
UCMP	V	88001	Mammalia	Rodentia	Heteromyidae			V6869	Maxum
UCMP	V	88002	Mammalia	Rodentia	Heteromyidae			V6869	Maxum
UCMP	V	88003	Mammalia	Rodentia	Heteromyidae			V6869	Maxum
UCMP	V	88004	Mammalia	Rodentia	Heteromyidae			V6869	Maxum
UCMP	V	90136	Mammalia	Artiodactyl	Tayassuid	Prosthennops	METAPODI	V3310	Black Hawk Ranch
UCMP	V	90137	Mammalia	Artiodactyl	Tayassuid	Prosthennops	METAPODI	V3310	Black Hawk Ranch
UCMP	V	90138	Mammalia	Artiodactyl	Tayassuid	Prosthennops	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90139	Mammalia	Artiodactyl	Tayassuid	Prosthennops	PHALANX	V3310	Black Hawk Ranch

UCMP	V	90140	Mammalia	Artiodactyl	Tayassuid	Prosthennops				C	V3310 Black Hawk Ranch
UCMP	V	90141	Mammalia	Artiodactyl	Tayassuid	Prosthennops				C	V3310 Black Hawk Ranch
UCMP	V	90142	Mammalia	Artiodactyl	Tayassuid	Prosthennops	PUBL	Prothero, D.R.+Pollen, A. 2013. K		/M3	V3310 Black Hawk Ranch
UCMP	V	90143	Mammalia	Artiodactyl	Tayassuid	Prosthennops	PUBL	Prothero, D.R.+Pollen, A. 2013. K		/M3	V3310 Black Hawk Ranch
UCMP	V	90144	Mammalia	Artiodactyl	Tayassuid	Woodburn grenaderae	PUBL	Prothero, D.R.+Pollen, A. 2013. K		right M2/	V3310 Black Hawk Ranch
UCMP	V	90145	Mammalia	Artiodactyl	Tayassuid	Prosthennops				DP4	V3310 Black Hawk Ranch
UCMP	V	90146	Mammalia	Artiodactyl	Tayassuid	Prosthennops				DP4	V3310 Black Hawk Ranch
UCMP	V	90147	Mammalia	Artiodactyl	Tayassuid	Prosthennops				DP2	V3310 Black Hawk Ranch
UCMP	V	90148	Mammalia	Artiodactyl	Tayassuid	Prosthennops				DP4	V3310 Black Hawk Ranch
UCMP	V	90149	Mammalia	Artiodactyl	Tayassuid	Prosthennops				/P2	V3310 Black Hawk Ranch
UCMP	V	90150	Mammalia	Artiodactyl	Tayassuid	Prosthennops				/P3	V3310 Black Hawk Ranch
UCMP	V	90151	Mammalia	Artiodactyl	Tayassuid	Prosthennops				ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90152	Mammalia	Artiodactyl	Tayassuid	Prosthennops				ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90153	Mammalia	Artiodactyl	Tayassuid	Prosthennops				CALCANEI	V3310 Black Hawk Ranch
UCMP	V	90154	Mammalia	Artiodactyl	Tayassuid	Prosthennops				CALCANEI	V3310 Black Hawk Ranch
UCMP	V	90155	Mammalia	Artiodactyl	Tayassuid	Prosthennops	PUBL	Prothero, D.R.+Pollen, A. 2013. K		/P3	V3310 Black Hawk Ranch
UCMP	V	90156	Mammalia	Artiodactyl	Tayassuid	Prosthennops	PUBL	Prothero, D.R.+Pollen, A. 2013. K		/M1	V3310 Black Hawk Ranch
UCMP	V	90157	Mammalia	Artiodactyl	Tayassuid	Prosthennops				METAPODI	V3310 Black Hawk Ranch
UCMP	V	90158	Mammalia	Artiodactyl	Camelidae	Pliauchenia				ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90159	Mammalia	Artiodactyl	Camelidae	Pliauchenia				ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90160	Mammalia	Artiodactyl	Camelidae	Pliauchenia				ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90161	Mammalia	Artiodactyl	Camelidae	Pliauchenia				ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90162	Mammalia	Artiodactyl	Camelidae	Pliauchenia				ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90163	Mammalia	Artiodactyl	Camelidae	Pliauchenia				ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90164	Mammalia	Artiodactyl	Camelidae	Pliauchenia				ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90165	Mammalia	Artiodactyl	Camelidae	Pliauchenia				ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90166	Mammalia	Artiodactyl	Camelidae	Pliauchenia				ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90167	Mammalia	Artiodactyl	Camelidae	Pliauchenia				ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90168	Mammalia	Artiodactyl	Camelidae	Pliauchenia				ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90169	Mammalia	Artiodactyl	Camelidae	Pliauchenia				ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90170	Mammalia	Artiodactyl	Camelidae	Pliauchenia				ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90171	Mammalia	Artiodactyl	Camelidae	Pliauchenia				ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90172	Mammalia	Artiodactyl	Camelidae	Pliauchenia				ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90173	Mammalia	Artiodactyl	Camelidae	Pliauchenia				ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90174	Mammalia	Artiodactyl	Camelidae	Pliauchenia				ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90175	Mammalia	Artiodactyl	Camelidae	Pliauchenia				ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90176	Mammalia	Artiodactyl	Camelidae	Pliauchenia				ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90177	Mammalia	Artiodactyl	Camelidae	Pliauchenia				ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90178	Mammalia	Artiodactyl	Camelidae	Pliauchenia				ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90179	Mammalia	Artiodactyl	Camelidae	Pliauchenia				ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90180	Mammalia	Artiodactyl	Camelidae	Pliauchenia				ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90181	Mammalia	Artiodactyl	Camelidae	Pliauchenia				ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90182	Mammalia	Artiodactyl	Camelidae	Pliauchenia				ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90183	Mammalia	Artiodactyl	Camelidae	Pliauchenia				ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90184	Mammalia	Artiodactyl	Camelidae	Pliauchenia				ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90185	Mammalia	Artiodactyl	Camelidae	Pliauchenia				ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90186	Mammalia	Artiodactyl	Camelidae	Pliauchenia				ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90187	Mammalia	Artiodactyl	Camelidae	Pliauchenia				ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90188	Mammalia	Artiodactyl	Camelidae	Pliauchenia				ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90189	Mammalia	Artiodactyl	Camelidae	Pliauchenia				ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90190	Mammalia	Artiodactyl	Camelidae	Pliauchenia				ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90191	Mammalia	Artiodactyl	Camelidae	Pliauchenia				ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90192	Mammalia	Artiodactyl	Camelidae	Pliauchenia				ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90193	Mammalia	Artiodactyl	Camelidae	Pliauchenia				ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90194	Mammalia	Artiodactyl	Camelidae	Pliauchenia				ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90195	Mammalia	Artiodactyl	Camelidae	Pliauchenia				ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90196	Mammalia	Artiodactyl	Camelidae	Procamelus				CALCANEI	V3310 Black Hawk Ranch
UCMP	V	90197	Mammalia	Artiodactyl	Camelidae	Procamelus				CALCANEI	V3310 Black Hawk Ranch
UCMP	V	90198	Mammalia	Artiodactyl	Camelidae	Procamelus				CALCANEI	V3310 Black Hawk Ranch
UCMP	V	90199	Mammalia	Artiodactyl	Camelidae	Procamelus				CALCANEI	V3310 Black Hawk Ranch
UCMP	V	90200	Mammalia	Artiodactyl	Camelidae	Procamelus				CALCANEI	V3310 Black Hawk Ranch
UCMP	V	90201	Mammalia	Artiodactyl	Camelidae	Procamelus				CALCANEI	V3310 Black Hawk Ranch
UCMP	V	90202	Mammalia	Artiodactyl	Camelidae	Procamelus				CALCANEI	V3310 Black Hawk Ranch
UCMP	V	90203	Mammalia	Artiodactyl	Camelidae	Procamelus				CALCANEI	V3310 Black Hawk Ranch
UCMP	V	90204	Mammalia	Artiodactyl	Camelidae	Procamelus				CALCANEI	V3310 Black Hawk Ranch
UCMP	V	90205	Mammalia	Artiodactyl	Camelidae	Procamelus				CALCANEI	V3310 Black Hawk Ranch
UCMP	V	90206	Mammalia	Artiodactyl	Camelidae	Procamelus				CALCANEI	V3310 Black Hawk Ranch
UCMP	V	90207	Mammalia	Artiodactyl	Camelidae	Procamelus				CALCANEI	V3310 Black Hawk Ranch
UCMP	V	90208	Mammalia	Artiodactyl	Camelidae	Procamelus				CALCANEI	V3310 Black Hawk Ranch
UCMP	V	90209	Mammalia	Artiodactyl	Camelidae	Procamelus				CALCANEI	V3310 Black Hawk Ranch
UCMP	V	90210	Mammalia	Artiodactyl	Camelidae	Procamelus				CALCANEI	V3310 Black Hawk Ranch
UCMP	V	90211	Mammalia	Artiodactyl	Camelidae	Procamelus				CALCANEI	V3310 Black Hawk Ranch
UCMP	V	90212	Mammalia	Artiodactyl	Camelidae	Procamelus				CALCANEI	V3310 Black Hawk Ranch
UCMP	V	90213	Mammalia	Artiodactyl	Camelidae	Procamelus				CALCANEI	V3310 Black Hawk Ranch

UCMP	V	90214	Mammalia	Artiodactyl	Camelidae	Procamelus	CALCANEU	V3310	Black Hawk Ranch
UCMP	V	90215	Mammalia	Artiodactyl	Camelidae	Procamelus	CALCANEU	V3310	Black Hawk Ranch
UCMP	V	90298	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90299	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90300	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90301	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90302	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90303	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90304	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90305	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90306	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90307	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90308	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90309	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90310	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90311	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90312	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90313	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90314	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90315	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90316	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90317	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90318	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90319	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90320	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90321	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90322	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90323	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90324	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90325	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90326	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90327	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90328	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90329	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90330	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90331	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90332	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90333	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90334	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90335	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90336	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90337	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90338	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90339	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90340	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90341	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90342	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90343	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90344	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90345	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90346	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90347	Mammalia	Artiodactyl	Camelidae	Procamelus	CUNEIFOR	V3310	Black Hawk Ranch
UCMP	V	90348	Mammalia	Artiodactyl	Camelidae	Procamelus	CUNEIFOR	V3310	Black Hawk Ranch
UCMP	V	90349	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90350	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90351	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90352	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90353	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90354	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90355	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90356	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90357	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90358	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90359	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90360	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90361	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90362	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90363	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90364	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90365	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90366	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90367	Mammalia	Artiodactyl	Camelidae	Procamelus	HUMERUS	V3310	Black Hawk Ranch
UCMP	V	90368	Mammalia	Artiodactyl	Camelidae	Procamelus	HUMERUS	V3310	Black Hawk Ranch
UCMP	V	90369	Mammalia	Artiodactyl	Camelidae	Procamelus	HUMERUS	V3310	Black Hawk Ranch

UCMP	V	90370	Mammalia	Artiodactyl	Camelidae	Procamelus	CUNEIFOF	V3310 Black Hawk Ranch
UCMP	V	90371	Mammalia	Artiodactyl	Camelidae	Procamelus	CUNEIFOF	V3310 Black Hawk Ranch
UCMP	V	90372	Mammalia	Artiodactyl	Camelidae	Procamelus	TIBIA	V3310 Black Hawk Ranch
UCMP	V	90373	Mammalia	Artiodactyl	Camelidae	Procamelus	RADIUS+U	V3310 Black Hawk Ranch
UCMP	V	90374	Mammalia	Artiodactyl	Camelidae	Procamelus	SCAPHOIL	V3310 Black Hawk Ranch
UCMP	V	90375	Mammalia	Artiodactyl	Camelidae	Procamelus	SCAPHOIL	V3310 Black Hawk Ranch
UCMP	V	90376	Mammalia	Artiodactyl	Camelidae	Procamelus	SCAPHOIL	V3310 Black Hawk Ranch
UCMP	V	90377	Mammalia	Artiodactyl	Camelidae	Procamelus	SCAPHOIL	V3310 Black Hawk Ranch
UCMP	V	90378	Mammalia	Artiodactyl	Camelidae	Procamelus	SCAPHOIL	V3310 Black Hawk Ranch
UCMP	V	90379	Mammalia	Artiodactyl	Camelidae	Procamelus	SCAPHOIL	V3310 Black Hawk Ranch
UCMP	V	90380	Mammalia	Artiodactyl	Camelidae	Procamelus	SCAPHOIL	V3310 Black Hawk Ranch
UCMP	V	90381	Mammalia	Artiodactyl	Camelidae	Procamelus	SCAPHOIL	V3310 Black Hawk Ranch
UCMP	V	90382	Mammalia	Artiodactyl	Camelidae	Procamelus	SCAPHOIL	V3310 Black Hawk Ranch
UCMP	V	90383	Mammalia	Artiodactyl	Camelidae	Procamelus	SCAPHOIL	V3310 Black Hawk Ranch
UCMP	V	90384	Mammalia	Artiodactyl	Camelidae	Procamelus	SCAPHOIL	V3310 Black Hawk Ranch
UCMP	V	90385	Mammalia	Artiodactyl	Camelidae	Procamelus	SCAPHOIL	V3310 Black Hawk Ranch
UCMP	V	90386	Mammalia	Artiodactyl	Camelidae	Procamelus	SCAPHOIL	V3310 Black Hawk Ranch
UCMP	V	90387	Mammalia	Artiodactyl	Camelidae	Procamelus	SCAPHOIL	V3310 Black Hawk Ranch
UCMP	V	90388	Mammalia	Artiodactyl	Camelidae	Procamelus	SCAPHOIL	V3310 Black Hawk Ranch
UCMP	V	90389	Mammalia	Artiodactyl	Camelidae	Procamelus	SCAPHOIL	V3310 Black Hawk Ranch
UCMP	V	90390	Mammalia	Artiodactyl	Camelidae	Procamelus	SCAPHOIL	V3310 Black Hawk Ranch
UCMP	V	90391	Mammalia	Artiodactyl	Camelidae	Procamelus	SCAPHOIL	V3310 Black Hawk Ranch
UCMP	V	90392	Mammalia	Artiodactyl	Camelidae	Procamelus	SCAPHOIL	V3310 Black Hawk Ranch
UCMP	V	90393	Mammalia	Artiodactyl	Camelidae	Procamelus	SCAPHOIL	V3310 Black Hawk Ranch
UCMP	V	90394	Mammalia	Artiodactyl	Camelidae	Procamelus	SCAPHOIL	V3310 Black Hawk Ranch
UCMP	V	90395	Mammalia	Artiodactyl	Camelidae	Procamelus	FIBULA	V3310 Black Hawk Ranch
UCMP	V	90396	Mammalia	Artiodactyl	Camelidae	Procamelus	FIBULA	V3310 Black Hawk Ranch
UCMP	V	90397	Mammalia	Artiodactyl	Camelidae	Procamelus	FIBULA	V3310 Black Hawk Ranch
UCMP	V	90398	Mammalia	Artiodactyl	Camelidae	Procamelus	FIBULA	V3310 Black Hawk Ranch
UCMP	V	90399	Mammalia	Artiodactyl	Camelidae	Procamelus	FIBULA	V3310 Black Hawk Ranch
UCMP	V	90400	Mammalia	Artiodactyl	Camelidae	Procamelus	FIBULA	V3310 Black Hawk Ranch
UCMP	V	90401	Mammalia	Artiodactyl	Camelidae	Procamelus	FIBULA	V3310 Black Hawk Ranch
UCMP	V	90402	Mammalia	Artiodactyl	Camelidae	Procamelus	FIBULA	V3310 Black Hawk Ranch
UCMP	V	90403	Mammalia	Artiodactyl	Camelidae	Procamelus	FIBULA	V3310 Black Hawk Ranch
UCMP	V	90404	Mammalia	Artiodactyl	Camelidae	Procamelus	FIBULA	V3310 Black Hawk Ranch
UCMP	V	90405	Mammalia	Artiodactyl	Camelidae	Procamelus	FIBULA	V3310 Black Hawk Ranch
UCMP	V	90406	Mammalia	Artiodactyl	Camelidae	Procamelus	FIBULA	V3310 Black Hawk Ranch
UCMP	V	90407	Mammalia	Artiodactyl	Camelidae	Procamelus	FIBULA	V3310 Black Hawk Ranch
UCMP	V	90408	Mammalia	Artiodactyl	Camelidae	Procamelus	FIBULA	V3310 Black Hawk Ranch
UCMP	V	90409	Mammalia	Artiodactyl	Camelidae	Procamelus	FIBULA	V3310 Black Hawk Ranch
UCMP	V	90410	Mammalia	Artiodactyl	Camelidae	Procamelus	FIBULA	V3310 Black Hawk Ranch
UCMP	V	90411	Mammalia	Artiodactyl	Camelidae	Procamelus	FIBULA	V3310 Black Hawk Ranch
UCMP	V	90412	Mammalia	Artiodactyl	Camelidae	Procamelus	FIBULA	V3310 Black Hawk Ranch
UCMP	V	90413	Mammalia	Artiodactyl	Camelidae	Procamelus	FIBULA	V3310 Black Hawk Ranch
UCMP	V	90414	Mammalia	Artiodactyl	Camelidae	Procamelus	FIBULA	V3310 Black Hawk Ranch
UCMP	V	90415	Mammalia	Artiodactyl	Camelidae	Procamelus	FIBULA	V3310 Black Hawk Ranch
UCMP	V	90416	Mammalia	Artiodactyl	Camelidae	Procamelus	FIBULA	V3310 Black Hawk Ranch
UCMP	V	90417	Mammalia	Artiodactyl	Camelidae	Procamelus	FIBULA	V3310 Black Hawk Ranch
UCMP	V	90418	Mammalia	Artiodactyl	Camelidae	Procamelus	FIBULA	V3310 Black Hawk Ranch
UCMP	V	90419	Mammalia	Artiodactyl	Camelidae	Procamelus	FIBULA	V3310 Black Hawk Ranch
UCMP	V	90420	Mammalia	Artiodactyl	Camelidae	Procamelus	FIBULA	V3310 Black Hawk Ranch
UCMP	V	90421	Mammalia	Artiodactyl	Camelidae	Procamelus	FIBULA	V3310 Black Hawk Ranch
UCMP	V	90422	Mammalia	Artiodactyl	Camelidae	Procamelus	FIBULA	V3310 Black Hawk Ranch
UCMP	V	90423	Mammalia	Artiodactyl	Camelidae	Procamelus	FIBULA	V3310 Black Hawk Ranch
UCMP	V	90424	Mammalia	Artiodactyl	Camelidae	Procamelus	FIBULA	V3310 Black Hawk Ranch
UCMP	V	90425	Mammalia	Artiodactyl	Camelidae	Procamelus	FIBULA	V3310 Black Hawk Ranch
UCMP	V	90426	Mammalia	Artiodactyl	Camelidae	Procamelus	FIBULA	V3310 Black Hawk Ranch
UCMP	V	90427	Mammalia	Artiodactyl	Camelidae	Procamelus	FIBULA	V3310 Black Hawk Ranch
UCMP	V	90428	Mammalia	Artiodactyl	Camelidae	Procamelus	FIBULA	V3310 Black Hawk Ranch
UCMP	V	90429	Mammalia	Artiodactyl	Camelidae	Procamelus	FIBULA	V3310 Black Hawk Ranch
UCMP	V	90430	Mammalia	Artiodactyl	Camelidae	Procamelus	FIBULA	V3310 Black Hawk Ranch
UCMP	V	90431	Mammalia	Artiodactyl	Camelidae	Procamelus	FIBULA	V3310 Black Hawk Ranch
UCMP	V	90432	Mammalia	Artiodactyl	Camelidae	Procamelus	FIBULA	V3310 Black Hawk Ranch
UCMP	V	90433	Mammalia	Artiodactyl	Camelidae	Procamelus	FIBULA	V3310 Black Hawk Ranch
UCMP	V	90434	Mammalia	Artiodactyl	Camelidae	Procamelus	FIBULA	V3310 Black Hawk Ranch
UCMP	V	90435	Mammalia	Artiodactyl	Camelidae	Procamelus	FIBULA	V3310 Black Hawk Ranch
UCMP	V	90436	Mammalia	Artiodactyl	Camelidae	Procamelus	FIBULA	V3310 Black Hawk Ranch
UCMP	V	90437	Mammalia	Artiodactyl	Camelidae	Procamelus	SCAPULA	V3310 Black Hawk Ranch
UCMP	V	90438	Mammalia	Artiodactyl	Camelidae	Procamelus	SCAPULA	V3310 Black Hawk Ranch
UCMP	V	90439	Mammalia	Artiodactyl	Camelidae	Procamelus	SCAPULA	V3310 Black Hawk Ranch
UCMP	V	90440	Mammalia	Artiodactyl	Camelidae	Procamelus	SCAPULA	V3310 Black Hawk Ranch
UCMP	V	90441	Mammalia	Artiodactyl	Camelidae	Procamelus	SCAPULA	V3310 Black Hawk Ranch
UCMP	V	90442	Mammalia	Artiodactyl	Camelidae	Procamelus	METAPODI	V3310 Black Hawk Ranch
UCMP	V	90443	Mammalia	Artiodactyl	Camelidae	Procamelus	METAPODI	V3310 Black Hawk Ranch

UCMP	V	90444	Mammalia	Artiodactyl	Camelidae	Procamelus	METAPODI	V3310 Black Hawk Ranch
UCMP	V	90445	Mammalia	Artiodactyl	Camelidae	Procamelus	METAPODI	V3310 Black Hawk Ranch
UCMP	V	90446	Mammalia	Artiodactyl	Camelidae	Procamelus	METAPODI	V3310 Black Hawk Ranch
UCMP	V	90447	Mammalia	Artiodactyl	Camelidae	Procamelus	METAPODI	V3310 Black Hawk Ranch
UCMP	V	90448	Mammalia	Artiodactyl	Camelidae	Procamelus	METAPODI	V3310 Black Hawk Ranch
UCMP	V	90449	Mammalia	Artiodactyl	Camelidae	Procamelus	HUMERUS	V3310 Black Hawk Ranch
UCMP	V	90450	Mammalia	Artiodactyl	Camelidae	Procamelus	PATELLA	V3310 Black Hawk Ranch
UCMP	V	90451	Mammalia	Artiodactyl	Camelidae	Procamelus	PATELLA	V3310 Black Hawk Ranch
UCMP	V	90452	Mammalia	Artiodactyl	Camelidae	Procamelus	PATELLA	V3310 Black Hawk Ranch
UCMP	V	90453	Mammalia	Artiodactyl	Camelidae	Procamelus	PATELLA	V3310 Black Hawk Ranch
UCMP	V	90454	Mammalia	Artiodactyl	Camelidae	Procamelus	PATELLA	V3310 Black Hawk Ranch
UCMP	V	90455	Mammalia	Artiodactyl	Camelidae	Procamelus	PATELLA	V3310 Black Hawk Ranch
UCMP	V	90456	Mammalia	Artiodactyl	Camelidae	Procamelus	PATELLA	V3310 Black Hawk Ranch
UCMP	V	90457	Mammalia	Artiodactyl	Camelidae	Procamelus	SCAPULA	V3310 Black Hawk Ranch
UCMP	V	90458	Mammalia	Artiodactyl	Camelidae	Procamelus	CUNEIFOF	V3310 Black Hawk Ranch
UCMP	V	90459	Mammalia	Artiodactyl	Camelidae	Procamelus	CUNEIFOF	V3310 Black Hawk Ranch
UCMP	V	90460	Mammalia	Artiodactyl	Camelidae	Procamelus	CUNEIFOF	V3310 Black Hawk Ranch
UCMP	V	90461	Mammalia	Artiodactyl	Camelidae	Procamelus	CUNEIFOF	V3310 Black Hawk Ranch
UCMP	V	90462	Mammalia	Artiodactyl	Camelidae	Procamelus	CUNEIFOF	V3310 Black Hawk Ranch
UCMP	V	90463	Mammalia	Artiodactyl	Camelidae	Procamelus	CUNEIFOF	V3310 Black Hawk Ranch
UCMP	V	90464	Mammalia	Artiodactyl	Camelidae	Procamelus	CUNEIFOF	V3310 Black Hawk Ranch
UCMP	V	90465	Mammalia	Artiodactyl	Camelidae	Procamelus	CUNEIFOF	V3310 Black Hawk Ranch
UCMP	V	90466	Mammalia	Artiodactyl	Camelidae	Procamelus	CUNEIFOF	V3310 Black Hawk Ranch
UCMP	V	90467	Mammalia	Artiodactyl	Camelidae	Procamelus	ECTOCUN	V3310 Black Hawk Ranch
UCMP	V	90468	Mammalia	Artiodactyl	Camelidae	Procamelus	ECTOCUN	V3310 Black Hawk Ranch
UCMP	V	90469	Mammalia	Artiodactyl	Camelidae	Procamelus	ECTOCUN	V3310 Black Hawk Ranch
UCMP	V	90470	Mammalia	Artiodactyl	Camelidae	Procamelus	ECTOCUN	V3310 Black Hawk Ranch
UCMP	V	90471	Mammalia	Artiodactyl	Camelidae	Procamelus	ECTOCUN	V3310 Black Hawk Ranch
UCMP	V	90472	Mammalia	Artiodactyl	Camelidae	Procamelus	ECTOCUN	V3310 Black Hawk Ranch
UCMP	V	90473	Mammalia	Artiodactyl	Camelidae	Procamelus	ECTOCUN	V3310 Black Hawk Ranch
UCMP	V	90474	Mammalia	Artiodactyl	Camelidae	Procamelus	ECTOCUN	V3310 Black Hawk Ranch
UCMP	V	90475	Mammalia	Artiodactyl	Camelidae	Procamelus	ECTOCUN	V3310 Black Hawk Ranch
UCMP	V	90476	Mammalia	Artiodactyl	Camelidae	Procamelus	ECTOCUN	V3310 Black Hawk Ranch
UCMP	V	90477	Mammalia	Artiodactyl	Camelidae	Procamelus	ECTOCUN	V3310 Black Hawk Ranch
UCMP	V	90478	Mammalia	Artiodactyl	Camelidae	Procamelus	ECTOCUN	V3310 Black Hawk Ranch
UCMP	V	90479	Mammalia	Artiodactyl	Camelidae	Procamelus	ECTOCUN	V3310 Black Hawk Ranch
UCMP	V	90480	Mammalia	Artiodactyl	Camelidae	Procamelus	ECTOCUN	V3310 Black Hawk Ranch
UCMP	V	90481	Mammalia	Artiodactyl	Camelidae	Procamelus	ECTOCUN	V3310 Black Hawk Ranch
UCMP	V	90482	Mammalia	Artiodactyl	Camelidae	Procamelus	ECTOCUN	V3310 Black Hawk Ranch
UCMP	V	90483	Mammalia	Artiodactyl	Camelidae	Procamelus	ECTOCUN	V3310 Black Hawk Ranch
UCMP	V	90484	Mammalia	Artiodactyl	Camelidae	Procamelus	ECTOCUN	V3310 Black Hawk Ranch
UCMP	V	90485	Mammalia	Artiodactyl	Camelidae	Procamelus	NAVICULA	V3310 Black Hawk Ranch
UCMP	V	90486	Mammalia	Artiodactyl	Camelidae	Procamelus	NAVICULA	V3310 Black Hawk Ranch
UCMP	V	90487	Mammalia	Artiodactyl	Camelidae	Procamelus	NAVICULA	V3310 Black Hawk Ranch
UCMP	V	90488	Mammalia	Artiodactyl	Camelidae	Procamelus	NAVICULA	V3310 Black Hawk Ranch
UCMP	V	90489	Mammalia	Artiodactyl	Camelidae	Procamelus	NAVICULA	V3310 Black Hawk Ranch
UCMP	V	90490	Mammalia	Artiodactyl	Camelidae	Procamelus	NAVICULA	V3310 Black Hawk Ranch
UCMP	V	90491	Mammalia	Artiodactyl	Camelidae	Procamelus	NAVICULA	V3310 Black Hawk Ranch
UCMP	V	90492	Mammalia	Artiodactyl	Camelidae	Procamelus	NAVICULA	V3310 Black Hawk Ranch
UCMP	V	90493	Mammalia	Artiodactyl	Camelidae	Procamelus	NAVICULA	V3310 Black Hawk Ranch
UCMP	V	90494	Mammalia	Artiodactyl	Camelidae	Procamelus	NAVICULA	V3310 Black Hawk Ranch
UCMP	V	90495	Mammalia	Artiodactyl	Camelidae	Procamelus	NAVICULA	V3310 Black Hawk Ranch
UCMP	V	90496	Mammalia	Artiodactyl	Camelidae	Procamelus	NAVICULA	V3310 Black Hawk Ranch
UCMP	V	90497	Mammalia	Artiodactyl	Camelidae	Procamelus	NAVICULA	V3310 Black Hawk Ranch
UCMP	V	90498	Mammalia	Artiodactyl	Camelidae	Procamelus	NAVICULA	V3310 Black Hawk Ranch
UCMP	V	90499	Mammalia	Artiodactyl	Camelidae	Procamelus	NAVICULA	V3310 Black Hawk Ranch
UCMP	V	90500	Mammalia	Artiodactyl	Camelidae	Procamelus	NAVICULA	V3310 Black Hawk Ranch
UCMP	V	90501	Mammalia	Artiodactyl	Camelidae	Procamelus	NAVICULA	V3310 Black Hawk Ranch
UCMP	V	90502	Mammalia	Artiodactyl	Camelidae	Procamelus	NAVICULA	V3310 Black Hawk Ranch
UCMP	V	90503	Mammalia	Artiodactyl	Camelidae	Procamelus	NAVICULA	V3310 Black Hawk Ranch
UCMP	V	90504	Mammalia	Artiodactyl	Camelidae	Procamelus	NAVICULA	V3310 Black Hawk Ranch
UCMP	V	90505	Mammalia	Artiodactyl	Camelidae	Procamelus	NAVICULA	V3310 Black Hawk Ranch
UCMP	V	90506	Mammalia	Artiodactyl	Camelidae	Procamelus	NAVICULA	V3310 Black Hawk Ranch
UCMP	V	90507	Mammalia	Artiodactyl	Camelidae	Procamelus	NAVICULA	V3310 Black Hawk Ranch
UCMP	V	90508	Mammalia	Artiodactyl	Camelidae	Procamelus	NAVICULA	V3310 Black Hawk Ranch
UCMP	V	90509	Mammalia	Artiodactyl	Camelidae	Procamelus	UNCIFORM	V3310 Black Hawk Ranch
UCMP	V	90510	Mammalia	Artiodactyl	Camelidae	Procamelus	UNCIFORM	V3310 Black Hawk Ranch
UCMP	V	90511	Mammalia	Artiodactyl	Camelidae	Procamelus	UNCIFORM	V3310 Black Hawk Ranch
UCMP	V	90512	Mammalia	Artiodactyl	Camelidae	Procamelus	UNCIFORM	V3310 Black Hawk Ranch
UCMP	V	90513	Mammalia	Artiodactyl	Camelidae	Procamelus	UNCIFORM	V3310 Black Hawk Ranch
UCMP	V	90514	Mammalia	Artiodactyl	Camelidae	Procamelus	UNCIFORM	V3310 Black Hawk Ranch
UCMP	V	90515	Mammalia	Artiodactyl	Camelidae	Procamelus	UNCIFORM	V3310 Black Hawk Ranch
UCMP	V	90516	Mammalia	Artiodactyl	Camelidae	Procamelus	UNCIFORM	V3310 Black Hawk Ranch
UCMP	V	90517	Mammalia	Artiodactyl	Camelidae	Procamelus	UNCIFORM	V3310 Black Hawk Ranch

UCMP	V	90518	Mammalia	Artiodactyl	Camelidae	Procamelus	UNCIFORM	V3310 Black Hawk Ranch
UCMP	V	90519	Mammalia	Artiodactyl	Camelidae	Procamelus	UNCIFORM	V3310 Black Hawk Ranch
UCMP	V	90520	Mammalia	Artiodactyl	Camelidae	Procamelus	UNCIFORM	V3310 Black Hawk Ranch
UCMP	V	90521	Mammalia	Artiodactyl	Camelidae	Procamelus	UNCIFORM	V3310 Black Hawk Ranch
UCMP	V	90522	Mammalia	Artiodactyl	Camelidae	Procamelus	RADIUS+U	V3310 Black Hawk Ranch
UCMP	V	90523	Mammalia	Artiodactyl	Camelidae	Procamelus	RADIUS+U	V3310 Black Hawk Ranch
UCMP	V	90524	Mammalia	Artiodactyl	Camelidae	Megatylopus	RADIUS+U	V3310 Black Hawk Ranch
UCMP	V	90525	Mammalia	Artiodactyl	Camelidae	Procamelus	RADIUS+U	V3310 Black Hawk Ranch
UCMP	V	90526	Mammalia	Artiodactyl	Camelidae	Procamelus	RADIUS+U	V3310 Black Hawk Ranch
UCMP	V	90527	Mammalia	Artiodactyl	Camelidae	Megatylopus	RADIUS+U	V3310 Black Hawk Ranch
UCMP	V	90528	Mammalia	Artiodactyl	Camelidae	Megatylopus	RADIUS+U	V3310 Black Hawk Ranch
UCMP	V	90529	Mammalia	Artiodactyl	Camelidae	Megatylopus	RADIUS+U	V3310 Black Hawk Ranch
UCMP	V	90530	Mammalia	Artiodactyl	Camelidae	Megatylopus	RADIUS+U	V3310 Black Hawk Ranch
UCMP	V	90531	Mammalia	Artiodactyl	Camelidae	Megatylopus	RADIUS+U	V3310 Black Hawk Ranch
UCMP	V	90532	Mammalia	Artiodactyl	Camelidae	Megatylopus	RADIUS+U	V3310 Black Hawk Ranch
UCMP	V	90533	Mammalia	Artiodactyl	Camelidae	Procamelus	RADIUS+U	V3310 Black Hawk Ranch
UCMP	V	90534	Mammalia	Artiodactyl	Camelidae	Procamelus	RADIUS+U	V3310 Black Hawk Ranch
UCMP	V	90535	Mammalia	Artiodactyl	Camelidae	Procamelus	HUMERUS	V3310 Black Hawk Ranch
UCMP	V	90536	Mammalia	Artiodactyl	Camelidae	Procamelus	HUMERUS	V3310 Black Hawk Ranch
UCMP	V	90537	Mammalia	Artiodactyl	Camelidae	Megatylopus	HUMERUS	V3310 Black Hawk Ranch
UCMP	V	90538	Mammalia	Artiodactyl	Camelidae	Megatylopus	HUMERUS	V3310 Black Hawk Ranch
UCMP	V	90539	Mammalia	Artiodactyl	Camelidae	Procamelus	TRAPEZOII	V3310 Black Hawk Ranch
UCMP	V	90540	Mammalia	Artiodactyl	Camelidae	Procamelus	TRAPEZOII	V3310 Black Hawk Ranch
UCMP	V	90541	Mammalia	Artiodactyl	Camelidae	Procamelus	TRAPEZOII	V3310 Black Hawk Ranch
UCMP	V	90542	Mammalia	Artiodactyl	Camelidae	Procamelus	TRAPEZOII	V3310 Black Hawk Ranch
UCMP	V	90543	Mammalia	Artiodactyl	Camelidae	Procamelus	TRAPEZOII	V3310 Black Hawk Ranch
UCMP	V	90544	Mammalia	Artiodactyl	Camelidae	Procamelus	TRAPEZOII	V3310 Black Hawk Ranch
UCMP	V	90545	Mammalia	Artiodactyl	Camelidae	Procamelus	TRAPEZOII	V3310 Black Hawk Ranch
UCMP	V	90546	Mammalia	Artiodactyl	Camelidae	Procamelus	TRAPEZOII	V3310 Black Hawk Ranch
UCMP	V	90547	Mammalia	Artiodactyl	Camelidae	Procamelus	TRAPEZOII	V3310 Black Hawk Ranch
UCMP	V	90548	Mammalia	Artiodactyl	Camelidae	Procamelus	TRAPEZOII	V3310 Black Hawk Ranch
UCMP	V	90549	Mammalia	Artiodactyl	Camelidae	Procamelus	LUNAR	V3310 Black Hawk Ranch
UCMP	V	90550	Mammalia	Artiodactyl	Camelidae	Procamelus	LUNAR	V3310 Black Hawk Ranch
UCMP	V	90551	Mammalia	Artiodactyl	Camelidae	Procamelus	LUNAR	V3310 Black Hawk Ranch
UCMP	V	90552	Mammalia	Artiodactyl	Camelidae	Procamelus	LUNAR	V3310 Black Hawk Ranch
UCMP	V	90553	Mammalia	Artiodactyl	Camelidae	Procamelus	LUNAR	V3310 Black Hawk Ranch
UCMP	V	90554	Mammalia	Artiodactyl	Camelidae	Procamelus	LUNAR	V3310 Black Hawk Ranch
UCMP	V	90555	Mammalia	Artiodactyl	Camelidae	Procamelus	LUNAR	V3310 Black Hawk Ranch
UCMP	V	90556	Mammalia	Artiodactyl	Camelidae	Procamelus	LUNAR	V3310 Black Hawk Ranch
UCMP	V	90557	Mammalia	Artiodactyl	Camelidae	Procamelus	LUNAR	V3310 Black Hawk Ranch
UCMP	V	90558	Mammalia	Artiodactyl	Camelidae	Procamelus	LUNAR	V3310 Black Hawk Ranch
UCMP	V	90559	Mammalia	Artiodactyl	Camelidae	Procamelus	LUNAR	V3310 Black Hawk Ranch
UCMP	V	90560	Mammalia	Artiodactyl	Camelidae	Procamelus	LUNAR	V3310 Black Hawk Ranch
UCMP	V	90561	Mammalia	Artiodactyl	Camelidae	Procamelus	LUNAR	V3310 Black Hawk Ranch
UCMP	V	90562	Mammalia	Artiodactyl	Camelidae	Procamelus	LUNAR	V3310 Black Hawk Ranch
UCMP	V	90563	Mammalia	Artiodactyl	Camelidae	Procamelus	LUNAR	V3310 Black Hawk Ranch
UCMP	V	90564	Mammalia	Artiodactyl	Camelidae	Procamelus	LUNAR	V3310 Black Hawk Ranch
UCMP	V	90565	Mammalia	Artiodactyl	Camelidae	Procamelus	LUNAR	V3310 Black Hawk Ranch
UCMP	V	90566	Mammalia	Artiodactyl	Camelidae	Procamelus	LUNAR	V3310 Black Hawk Ranch
UCMP	V	90567	Mammalia	Artiodactyl	Camelidae	Procamelus	LUNAR	V3310 Black Hawk Ranch
UCMP	V	90568	Mammalia	Artiodactyl	Camelidae	Procamelus	LUNAR	V3310 Black Hawk Ranch
UCMP	V	90569	Mammalia	Artiodactyl	Camelidae	Procamelus	LUNAR	V3310 Black Hawk Ranch
UCMP	V	90570	Mammalia	Artiodactyl	Camelidae	Procamelus	MAGNUM	V3310 Black Hawk Ranch
UCMP	V	90571	Mammalia	Artiodactyl	Camelidae	Procamelus	MAGNUM	V3310 Black Hawk Ranch
UCMP	V	90572	Mammalia	Artiodactyl	Camelidae	Procamelus	MAGNUM	V3310 Black Hawk Ranch
UCMP	V	90573	Mammalia	Artiodactyl	Camelidae	Procamelus	MAGNUM	V3310 Black Hawk Ranch
UCMP	V	90574	Mammalia	Artiodactyl	Camelidae	Procamelus	MAGNUM	V3310 Black Hawk Ranch
UCMP	V	90575	Mammalia	Artiodactyl	Camelidae	Procamelus	MAGNUM	V3310 Black Hawk Ranch
UCMP	V	90576	Mammalia	Artiodactyl	Camelidae	Procamelus	MAGNUM	V3310 Black Hawk Ranch
UCMP	V	90577	Mammalia	Artiodactyl	Camelidae	Procamelus	MAGNUM	V3310 Black Hawk Ranch
UCMP	V	90578	Mammalia	Artiodactyl	Camelidae	Procamelus	MAGNUM	V3310 Black Hawk Ranch
UCMP	V	90579	Mammalia	Artiodactyl	Camelidae	Procamelus	MAGNUM	V3310 Black Hawk Ranch
UCMP	V	90580	Mammalia	Artiodactyl	Camelidae	Procamelus	MAGNUM	V3310 Black Hawk Ranch
UCMP	V	90581	Mammalia	Artiodactyl	Camelidae	Procamelus	MAGNUM	V3310 Black Hawk Ranch
UCMP	V	90582	Mammalia	Artiodactyl	Camelidae	Procamelus	MAGNUM	V3310 Black Hawk Ranch
UCMP	V	90583	Mammalia	Artiodactyl	Camelidae	Procamelus	MAGNUM	V3310 Black Hawk Ranch
UCMP	V	90584	Mammalia	Artiodactyl	Camelidae	Procamelus	METAPODI	V3310 Black Hawk Ranch
UCMP	V	90585	Mammalia	Artiodactyl	Camelidae	Procamelus	METAPODI	V3310 Black Hawk Ranch
UCMP	V	90586	Mammalia	Artiodactyl	Camelidae	Megatylopus	METAPODI	V3310 Black Hawk Ranch
UCMP	V	90587	Mammalia	Artiodactyl	Camelidae	Procamelus	METAPODI	V3310 Black Hawk Ranch
UCMP	V	90588	Mammalia	Artiodactyl	Camelidae	Procamelus	METAPODI	V3310 Black Hawk Ranch
UCMP	V	90589	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90590	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90591	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310 Black Hawk Ranch

UCMP	V	90592	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90593	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90594	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90595	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90596	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90597	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90598	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90599	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90600	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90601	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90602	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90603	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90604	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90605	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90606	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90607	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90608	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90609	Mammalia	Artiodactyl	Camelidae	Procamelus	METAPODI	V3310 Black Hawk Ranch
UCMP	V	90610	Mammalia	Artiodactyl	Camelidae	Procamelus	METAPODI	V3310 Black Hawk Ranch
UCMP	V	90611	Mammalia	Artiodactyl	Camelidae	Megatylopus	HUMERUS	V3310 Black Hawk Ranch
UCMP	V	90612	Mammalia	Artiodactyl	Camelidae	Megatylopus	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90613	Mammalia	Artiodactyl	Camelidae	Megatylopus	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90614	Mammalia	Artiodactyl	Camelidae	Megatylopus	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90615	Mammalia	Artiodactyl	Camelidae	Megatylopus	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90616	Mammalia	Artiodactyl	Camelidae	Megatylopus	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90617	Mammalia	Artiodactyl	Camelidae	Megatylopus	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90618	Mammalia	Artiodactyl	Camelidae	Megatylopus	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90619	Mammalia	Artiodactyl	Camelidae	Megatylopus	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90620	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90621	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90622	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90623	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90624	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90625	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90626	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90627	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90628	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90629	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90630	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90631	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90632	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90633	Mammalia	Artiodactyl	Camelidae	Procamelus	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90634	Mammalia	Artiodactyl	Camelidae	Procamelus	CUBOID	V3310 Black Hawk Ranch
UCMP	V	90635	Mammalia	Artiodactyl	Camelidae	Procamelus	CUBOID	V3310 Black Hawk Ranch
UCMP	V	90636	Mammalia	Artiodactyl	Camelidae	Procamelus	CUBOID	V3310 Black Hawk Ranch
UCMP	V	90637	Mammalia	Artiodactyl	Camelidae	Procamelus	CUBOID	V3310 Black Hawk Ranch
UCMP	V	90638	Mammalia	Artiodactyl	Camelidae	Procamelus	CUBOID	V3310 Black Hawk Ranch
UCMP	V	90639	Mammalia	Artiodactyl	Camelidae	Procamelus	CUBOID	V3310 Black Hawk Ranch
UCMP	V	90640	Mammalia	Artiodactyl	Camelidae	Procamelus	CUBOID	V3310 Black Hawk Ranch
UCMP	V	90641	Mammalia	Artiodactyl	Camelidae	Procamelus	CUBOID	V3310 Black Hawk Ranch
UCMP	V	90642	Mammalia	Artiodactyl	Camelidae	Procamelus	CUBOID	V3310 Black Hawk Ranch
UCMP	V	90643	Mammalia	Artiodactyl	Camelidae	Procamelus	CUBOID	V3310 Black Hawk Ranch
UCMP	V	90644	Mammalia	Artiodactyl	Camelidae	Procamelus	CUBOID	V3310 Black Hawk Ranch
UCMP	V	90645	Mammalia	Artiodactyl	Camelidae	Procamelus	CUBOID	V3310 Black Hawk Ranch
UCMP	V	90646	Mammalia	Artiodactyl	Camelidae	Procamelus	CUBOID	V3310 Black Hawk Ranch
UCMP	V	90647	Mammalia	Artiodactyl	Camelidae	Procamelus	CUBOID	V3310 Black Hawk Ranch
UCMP	V	90648	Mammalia	Artiodactyl	Camelidae	Procamelus	CUBOID	V3310 Black Hawk Ranch
UCMP	V	90649	Mammalia	Artiodactyl	Camelidae	Procamelus	CUBOID	V3310 Black Hawk Ranch
UCMP	V	90650	Mammalia	Artiodactyl	Camelidae	Procamelus	CUBOID	V3310 Black Hawk Ranch
UCMP	V	90651	Mammalia	Artiodactyl	Camelidae	Procamelus	CUBOID	V3310 Black Hawk Ranch
UCMP	V	90652	Mammalia	Artiodactyl	Camelidae	Procamelus	CUBOID	V3310 Black Hawk Ranch
UCMP	V	90653	Mammalia	Artiodactyl	Camelidae	Procamelus	CUBOID	V3310 Black Hawk Ranch
UCMP	V	90654	Mammalia	Artiodactyl	Camelidae	Procamelus	CUBOID	V3310 Black Hawk Ranch
UCMP	V	90655	Mammalia	Artiodactyl	Camelidae	Procamelus	CUBOID	V3310 Black Hawk Ranch
UCMP	V	90656	Mammalia	Artiodactyl	Camelidae	Procamelus	CUBOID	V3310 Black Hawk Ranch
UCMP	V	90657	Mammalia	Artiodactyl	Camelidae	Procamelus	CUBOID	V3310 Black Hawk Ranch
UCMP	V	90658	Mammalia	Artiodactyl	Camelidae	Procamelus	CUBOID	V3310 Black Hawk Ranch
UCMP	V	90659	Mammalia	Artiodactyl	Camelidae	Procamelus	CUBOID	V3310 Black Hawk Ranch
UCMP	V	90660	Mammalia	Artiodactyl	Camelidae	Procamelus	CUBOID	V3310 Black Hawk Ranch
UCMP	V	90661	Mammalia	Artiodactyl	Camelidae	Procamelus	CUBOID	V3310 Black Hawk Ranch
UCMP	V	90662	Mammalia	Artiodactyl	Camelidae	Procamelus	CUBOID	V3310 Black Hawk Ranch
UCMP	V	90663	Mammalia	Artiodactyl	Camelidae	Procamelus	CUBOID	V3310 Black Hawk Ranch
UCMP	V	90664	Mammalia	Artiodactyl	Camelidae	Procamelus	CUBOID	V3310 Black Hawk Ranch
UCMP	V	90665	Mammalia	Artiodactyl	Camelidae	Procamelus	CUBOID	V3310 Black Hawk Ranch

UCMP	V	90666	Mammalia	Artiodactyl	Camelidae	Procamelus	CUBOID	V3310 Black Hawk Ranch
UCMP	V	90667	Mammalia	Artiodactyl	Camelidae	Procamelus	CUBOID	V3310 Black Hawk Ranch
UCMP	V	90668	Mammalia	Artiodactyl	Camelidae	Procamelus	CUBOID	V3310 Black Hawk Ranch
UCMP	V	90669	Mammalia	Artiodactyl	Camelidae	Procamelus	CUBOID	V3310 Black Hawk Ranch
UCMP	V	90670	Mammalia	Artiodactyl	Camelidae	Procamelus	CUBOID	V3310 Black Hawk Ranch
UCMP	V	90671	Mammalia	Artiodactyl	Camelidae	Procamelus	CUBOID	V3310 Black Hawk Ranch
UCMP	V	90672	Mammalia	Artiodactyl	Camelidae	Procamelus	CUBOID	V3310 Black Hawk Ranch
UCMP	V	90673	Mammalia	Artiodactyl	Camelidae	Procamelus	CUBOID	V3310 Black Hawk Ranch
UCMP	V	90674	Mammalia	Artiodactyl	Camelidae	Procamelus	CUBOID	V3310 Black Hawk Ranch
UCMP	V	90675	Mammalia	Artiodactyl	Camelidae	Procamelus	CUBOID	V3310 Black Hawk Ranch
UCMP	V	90676	Mammalia	Artiodactyl	Camelidae	Procamelus	CUBOID	V3310 Black Hawk Ranch
UCMP	V	90677	Mammalia	Artiodactyl	Camelidae	Procamelus	CUBOID	V3310 Black Hawk Ranch
UCMP	V	90678	Mammalia	Artiodactyl	Camelidae	Procamelus	CUBOID	V3310 Black Hawk Ranch
UCMP	V	90679	Mammalia	Artiodactyl	Camelidae	Procamelus	CUBOID	V3310 Black Hawk Ranch
UCMP	V	90680	Mammalia	Artiodactyl	Camelidae	Procamelus	CUBOID	V3310 Black Hawk Ranch
UCMP	V	90681	Mammalia	Artiodactyl	Camelidae	Procamelus	CUBOID	V3310 Black Hawk Ranch
UCMP	V	90682	Mammalia	Artiodactyl	Camelidae	Procamelus	CUBOID	V3310 Black Hawk Ranch
UCMP	V	90683	Mammalia	Artiodactyl	Camelidae	Procamelus	CUBOID	V3310 Black Hawk Ranch
UCMP	V	90684	Mammalia	Artiodactyl	Camelidae	Procamelus	CUBOID	V3310 Black Hawk Ranch
UCMP	V	90685	Mammalia	Artiodactyl	Camelidae	Procamelus	CERVICAL	V3310 Black Hawk Ranch
UCMP	V	90686	Mammalia	Artiodactyl	Camelidae	Procamelus	CERVICAL	V3310 Black Hawk Ranch
UCMP	V	90687	Mammalia	Artiodactyl	Camelidae	Procamelus	CERVICAL	V3310 Black Hawk Ranch
UCMP	V	90688	Mammalia	Artiodactyl	Camelidae	Procamelus	CERVICAL	V3310 Black Hawk Ranch
UCMP	V	90689	Mammalia	Artiodactyl	Camelidae	Procamelus	CERVICAL	V3310 Black Hawk Ranch
UCMP	V	90690	Mammalia	Artiodactyl	Camelidae	Procamelus	CERVICAL	V3310 Black Hawk Ranch
UCMP	V	90691	Mammalia	Artiodactyl	Camelidae	Procamelus	LUMBAR V	V3310 Black Hawk Ranch
UCMP	V	90692	Mammalia	Artiodactyl	Camelidae	Procamelus	LUMBAR V	V3310 Black Hawk Ranch
UCMP	V	90693	Mammalia	Artiodactyl	Camelidae	Procamelus	LUMBAR V	V3310 Black Hawk Ranch
UCMP	V	90694	Mammalia	Artiodactyl	Camelidae	Procamelus	LUMBAR V	V3310 Black Hawk Ranch
UCMP	V	90695	Mammalia	Artiodactyl	Camelidae	Procamelus	LUMBAR V	V3310 Black Hawk Ranch
UCMP	V	90696	Mammalia	Artiodactyl	Camelidae	Procamelus	LUMBAR V	V3310 Black Hawk Ranch
UCMP	V	90697	Mammalia	Artiodactyl	Camelidae	Procamelus	LUMBAR V	V3310 Black Hawk Ranch
UCMP	V	90698	Mammalia	Artiodactyl	Camelidae	Procamelus	LUMBAR V	V3310 Black Hawk Ranch
UCMP	V	90699	Mammalia	Artiodactyl	Camelidae	Procamelus	LUMBAR V	V3310 Black Hawk Ranch
UCMP	V	90700	Mammalia	Artiodactyl	Camelidae	Procamelus	LUMBAR V	V3310 Black Hawk Ranch
UCMP	V	90701	Mammalia	Artiodactyl	Camelidae	Procamelus	LUMBAR V	V3310 Black Hawk Ranch
UCMP	V	90702	Mammalia	Artiodactyl	Camelidae	Procamelus	TIBIA	V3310 Black Hawk Ranch
UCMP	V	90703	Mammalia	Artiodactyl	Camelidae	Procamelus	TIBIA	V3310 Black Hawk Ranch
UCMP	V	90704	Mammalia	Artiodactyl	Camelidae	Procamelus	TIBIA	V3310 Black Hawk Ranch
UCMP	V	90705	Mammalia	Artiodactyl	Camelidae	Procamelus	TIBIA	V3310 Black Hawk Ranch
UCMP	V	90706	Mammalia	Artiodactyl	Camelidae	Procamelus	TIBIA	V3310 Black Hawk Ranch
UCMP	V	90707	Mammalia	Artiodactyl	Camelidae	Procamelus	TIBIA	V3310 Black Hawk Ranch
UCMP	V	90708	Mammalia	Artiodactyl	Camelidae	Procamelus	PISIFORM	V3310 Black Hawk Ranch
UCMP	V	90709	Mammalia	Artiodactyl	Camelidae	Procamelus	PISIFORM	V3310 Black Hawk Ranch
UCMP	V	90710	Mammalia	Artiodactyl	Camelidae	Procamelus	PISIFORM	V3310 Black Hawk Ranch
UCMP	V	90711	Mammalia	Artiodactyl	Camelidae	Procamelus	PISIFORM	V3310 Black Hawk Ranch
UCMP	V	90712	Mammalia	Artiodactyl	Camelidae	Procamelus	PISIFORM	V3310 Black Hawk Ranch
UCMP	V	90713	Mammalia	Artiodactyl	Camelidae	Procamelus	PISIFORM	V3310 Black Hawk Ranch
UCMP	V	90714	Mammalia	Artiodactyl	Camelidae	Procamelus	PISIFORM	V3310 Black Hawk Ranch
UCMP	V	90715	Mammalia	Artiodactyl	Antilocapr	Capromeryx	SCAPULA	V3310 Black Hawk Ranch
UCMP	V	90716	Mammalia	Artiodactyl	Antilocapr	Capromeryx	SCAPULA	V3310 Black Hawk Ranch
UCMP	V	90717	Mammalia	Artiodactyl	Antilocapr	Capromeryx	SCAPULA	V3310 Black Hawk Ranch
UCMP	V	90718	Mammalia	Artiodactyl	Antilocapr	Capromeryx	HUMERUS	V3310 Black Hawk Ranch
UCMP	V	90719	Mammalia	Artiodactyl	Antilocapr	Capromeryx	HUMERUS	V3310 Black Hawk Ranch
UCMP	V	90720	Mammalia	Artiodactyl	Antilocapr	Capromeryx	HUMERUS	V3310 Black Hawk Ranch
UCMP	V	90721	Mammalia	Artiodactyl	Antilocapr	Capromeryx	HUMERUS	V3310 Black Hawk Ranch
UCMP	V	90722	Mammalia	Artiodactyl	Antilocapr	Capromeryx	HUMERUS	V3310 Black Hawk Ranch
UCMP	V	90723	Mammalia	Artiodactyl	Antilocapr	Capromeryx	HUMERUS	V3310 Black Hawk Ranch
UCMP	V	90724	Mammalia	Artiodactyl	Antilocapr	Capromeryx	HUMERUS	V3310 Black Hawk Ranch
UCMP	V	90725	Mammalia	Artiodactyl	Antilocapr	Capromeryx	HUMERUS	V3310 Black Hawk Ranch
UCMP	V	90726	Mammalia	Artiodactyl	Antilocapr	Capromeryx	HUMERUS	V3310 Black Hawk Ranch
UCMP	V	90727	Mammalia	Artiodactyl	Antilocapr	Capromeryx	HUMERUS	V3310 Black Hawk Ranch
UCMP	V	90728	Mammalia	Artiodactyl	Antilocapr	Capromeryx	HUMERUS	V3310 Black Hawk Ranch
UCMP	V	90729	Mammalia	Artiodactyl	Antilocapr	Capromeryx	HUMERUS	V3310 Black Hawk Ranch
UCMP	V	90730	Mammalia	Artiodactyl	Antilocapr	Capromeryx	HUMERUS	V3310 Black Hawk Ranch
UCMP	V	90731	Mammalia	Artiodactyl	Antilocapr	Capromeryx	HUMERUS	V3310 Black Hawk Ranch
UCMP	V	90732	Mammalia	Artiodactyl	Antilocapr	Capromeryx	HUMERUS	V3310 Black Hawk Ranch
UCMP	V	90733	Mammalia	Artiodactyl	Antilocapr	Capromeryx	HUMERUS	V3310 Black Hawk Ranch
UCMP	V	90734	Mammalia	Artiodactyl	Antilocapr	Capromeryx	HUMERUS	V3310 Black Hawk Ranch
UCMP	V	90735	Mammalia	Artiodactyl	Antilocapr	Capromeryx	HUMERUS	V3310 Black Hawk Ranch
UCMP	V	90736	Mammalia	Artiodactyl	Antilocapr	Capromeryx	HUMERUS	V3310 Black Hawk Ranch
UCMP	V	90737	Mammalia	Artiodactyl	Antilocapr	Capromeryx	HUMERUS	V3310 Black Hawk Ranch
UCMP	V	90738	Mammalia	Artiodactyl	Antilocapr	Capromeryx	HUMERUS	V3310 Black Hawk Ranch
UCMP	V	90739	Mammalia	Artiodactyl	Antilocapr	Capromeryx	HUMERUS	V3310 Black Hawk Ranch

UCMP	V	90740	Mammalia	Artiodactyl	Antilocapr	Capromeryx	HUMERUS	V3310 Black Hawk Ranch
UCMP	V	90741	Mammalia	Artiodactyl	Antilocapr	Capromeryx	HUMERUS	V3310 Black Hawk Ranch
UCMP	V	90742	Mammalia	Artiodactyl	Antilocapr	Capromeryx	HUMERUS	V3310 Black Hawk Ranch
UCMP	V	90743	Mammalia	Artiodactyl	Antilocapr	Capromeryx	HUMERUS	V3310 Black Hawk Ranch
UCMP	V	90744	Mammalia	Artiodactyl	Antilocapr	Capromeryx	HUMERUS	V3310 Black Hawk Ranch
UCMP	V	90745	Mammalia	Artiodactyl	Antilocapr	Capromeryx	HUMERUS	V3310 Black Hawk Ranch
UCMP	V	90746	Mammalia	Artiodactyl	Antilocapr	Capromeryx	HUMERUS	V3310 Black Hawk Ranch
UCMP	V	90747	Mammalia	Artiodactyl	Antilocapr	Capromeryx	HUMERUS	V3310 Black Hawk Ranch
UCMP	V	90748	Mammalia	Artiodactyl	Antilocapr	Capromeryx	HUMERUS	V3310 Black Hawk Ranch
UCMP	V	90749	Mammalia	Artiodactyl	Antilocapr	Capromeryx	HUMERUS	V3310 Black Hawk Ranch
UCMP	V	90750	Mammalia	Artiodactyl	Antilocapr	Capromeryx	HUMERUS	V3310 Black Hawk Ranch
UCMP	V	90751	Mammalia	Artiodactyl	Antilocapr	Capromeryx	RADIUS+U	V3310 Black Hawk Ranch
UCMP	V	90752	Mammalia	Artiodactyl	Antilocapr	Capromeryx	RADIUS+U	V3310 Black Hawk Ranch
UCMP	V	90753	Mammalia	Artiodactyl	Antilocapr	Capromeryx	RADIUS+U	V3310 Black Hawk Ranch
UCMP	V	90754	Mammalia	Artiodactyl	Antilocapr	Capromeryx	RADIUS+U	V3310 Black Hawk Ranch
UCMP	V	90755	Mammalia	Artiodactyl	Antilocapr	Capromeryx	RADIUS+U	V3310 Black Hawk Ranch
UCMP	V	90756	Mammalia	Artiodactyl	Antilocapr	Capromeryx	RADIUS+U	V3310 Black Hawk Ranch
UCMP	V	90757	Mammalia	Artiodactyl	Antilocapr	Capromeryx	FEMUR	V3310 Black Hawk Ranch
UCMP	V	90758	Mammalia	Artiodactyl	Antilocapr	Capromeryx	FEMUR	V3310 Black Hawk Ranch
UCMP	V	90759	Mammalia	Artiodactyl	Antilocapr	Capromeryx	FEMUR	V3310 Black Hawk Ranch
UCMP	V	90760	Mammalia	Artiodactyl	Antilocapr	Capromeryx	FEMUR	V3310 Black Hawk Ranch
UCMP	V	90761	Mammalia	Artiodactyl	Antilocapr	Capromeryx	TIBIA	V3310 Black Hawk Ranch
UCMP	V	90762	Mammalia	Artiodactyl	Antilocapr	Capromeryx	TIBIA	V3310 Black Hawk Ranch
UCMP	V	90763	Mammalia	Artiodactyl	Antilocapr	Capromeryx	TIBIA	V3310 Black Hawk Ranch
UCMP	V	90764	Mammalia	Artiodactyl	Antilocapr	Capromeryx	TIBIA	V3310 Black Hawk Ranch
UCMP	V	90765	Mammalia	Artiodactyl	Antilocapr	Capromeryx	TIBIA	V3310 Black Hawk Ranch
UCMP	V	90766	Mammalia	Artiodactyl	Antilocapr	Capromeryx	TIBIA	V3310 Black Hawk Ranch
UCMP	V	90767	Mammalia	Artiodactyl	Antilocapr	Capromeryx	TIBIA	V3310 Black Hawk Ranch
UCMP	V	90768	Mammalia	Artiodactyl	Antilocapr	Capromeryx	TIBIA	V3310 Black Hawk Ranch
UCMP	V	90769	Mammalia	Artiodactyl	Antilocapr	Capromeryx	TIBIA	V3310 Black Hawk Ranch
UCMP	V	90770	Mammalia	Artiodactyl	Antilocapr	Capromeryx	TIBIA	V3310 Black Hawk Ranch
UCMP	V	90771	Mammalia	Artiodactyl	Antilocapr	Capromeryx	TIBIA	V3310 Black Hawk Ranch
UCMP	V	90772	Mammalia	Artiodactyl	Antilocapr	Capromeryx	TIBIA	V3310 Black Hawk Ranch
UCMP	V	90773	Mammalia	Artiodactyl	Antilocapr	Capromeryx	TIBIA	V3310 Black Hawk Ranch
UCMP	V	90774	Mammalia	Artiodactyl	Antilocapr	Capromeryx	TIBIA	V3310 Black Hawk Ranch
UCMP	V	90775	Mammalia	Artiodactyl	Antilocapr	Capromeryx	SCAPHOID	V3310 Black Hawk Ranch
UCMP	V	90776	Mammalia	Artiodactyl	Antilocapr	Capromeryx	SCAPHOID	V3310 Black Hawk Ranch
UCMP	V	90777	Mammalia	Artiodactyl	Antilocapr	Capromeryx	SCAPHOID	V3310 Black Hawk Ranch
UCMP	V	90778	Mammalia	Artiodactyl	Antilocapr	Capromeryx	SCAPHOID	V3310 Black Hawk Ranch
UCMP	V	90779	Mammalia	Artiodactyl	Antilocapr	Capromeryx	SCAPHOID	V3310 Black Hawk Ranch
UCMP	V	90780	Mammalia	Artiodactyl	Antilocapr	Capromeryx	SCAPHOID	V3310 Black Hawk Ranch
UCMP	V	90781	Mammalia	Artiodactyl	Antilocapr	Capromeryx	SCAPHOID	V3310 Black Hawk Ranch
UCMP	V	90782	Mammalia	Artiodactyl	Antilocapr	Capromeryx	SCAPHOID	V3310 Black Hawk Ranch
UCMP	V	90783	Mammalia	Artiodactyl	Antilocapr	Capromeryx	SCAPHOID	V3310 Black Hawk Ranch
UCMP	V	90784	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90785	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90786	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90787	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90788	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90789	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90790	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90791	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90792	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90793	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90794	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90795	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90796	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90797	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90798	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90799	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90800	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90801	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90802	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90803	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90804	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90805	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90806	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90807	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90808	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90809	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90810	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90811	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90812	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90813	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch

UCMP	V	90814	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90815	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90816	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90817	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90818	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90819	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90820	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90821	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90822	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90823	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90824	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90825	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90826	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90827	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90828	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90829	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90830	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90831	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90832	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90833	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90834	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90835	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90836	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90837	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90838	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90839	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90840	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ASTRAGAL	V3310 Black Hawk Ranch
UCMP	V	90841	Mammalia	Artiodactyl	Antilocapr	Capromeryx	CALCANEI	V3310 Black Hawk Ranch
UCMP	V	90842	Mammalia	Artiodactyl	Antilocapr	Capromeryx	CALCANEI	V3310 Black Hawk Ranch
UCMP	V	90843	Mammalia	Artiodactyl	Antilocapr	Capromeryx	CALCANEI	V3310 Black Hawk Ranch
UCMP	V	90844	Mammalia	Artiodactyl	Antilocapr	Capromeryx	CALCANEI	V3310 Black Hawk Ranch
UCMP	V	90845	Mammalia	Artiodactyl	Antilocapr	Capromeryx	CALCANEI	V3310 Black Hawk Ranch
UCMP	V	90846	Mammalia	Artiodactyl	Antilocapr	Capromeryx	CALCANEI	V3310 Black Hawk Ranch
UCMP	V	90847	Mammalia	Artiodactyl	Antilocapr	Capromeryx	CALCANEI	V3310 Black Hawk Ranch
UCMP	V	90848	Mammalia	Artiodactyl	Antilocapr	Capromeryx	CALCANEI	V3310 Black Hawk Ranch
UCMP	V	90849	Mammalia	Artiodactyl	Antilocapr	Capromeryx	CALCANEI	V3310 Black Hawk Ranch
UCMP	V	90850	Mammalia	Artiodactyl	Antilocapr	Capromeryx	CALCANEI	V3310 Black Hawk Ranch
UCMP	V	90851	Mammalia	Artiodactyl	Antilocapr	Capromeryx	CALCANEI	V3310 Black Hawk Ranch
UCMP	V	90852	Mammalia	Artiodactyl	Antilocapr	Capromeryx	CALCANEI	V3310 Black Hawk Ranch
UCMP	V	90853	Mammalia	Artiodactyl	Antilocapr	Capromeryx	CALCANEI	V3310 Black Hawk Ranch
UCMP	V	90854	Mammalia	Artiodactyl	Antilocapr	Capromeryx	CALCANEI	V3310 Black Hawk Ranch
UCMP	V	90855	Mammalia	Artiodactyl	Antilocapr	Capromeryx	CALCANEI	V3310 Black Hawk Ranch
UCMP	V	90856	Mammalia	Artiodactyl	Antilocapr	Capromeryx	CALCANEI	V3310 Black Hawk Ranch
UCMP	V	90857	Mammalia	Artiodactyl	Antilocapr	Capromeryx	CALCANEI	V3310 Black Hawk Ranch
UCMP	V	90858	Mammalia	Artiodactyl	Antilocapr	Capromeryx	CUBONAV	V3310 Black Hawk Ranch
UCMP	V	90859	Mammalia	Artiodactyl	Antilocapr	Capromeryx	CUBONAV	V3310 Black Hawk Ranch
UCMP	V	90860	Mammalia	Artiodactyl	Antilocapr	Capromeryx	CUBONAV	V3310 Black Hawk Ranch
UCMP	V	90861	Mammalia	Artiodactyl	Antilocapr	Capromeryx	CUBONAV	V3310 Black Hawk Ranch
UCMP	V	90862	Mammalia	Artiodactyl	Antilocapr	Capromeryx	CUBONAV	V3310 Black Hawk Ranch
UCMP	V	90863	Mammalia	Artiodactyl	Antilocapr	Capromeryx	CUBONAV	V3310 Black Hawk Ranch
UCMP	V	90864	Mammalia	Artiodactyl	Antilocapr	Capromeryx	CUBONAV	V3310 Black Hawk Ranch
UCMP	V	90865	Mammalia	Artiodactyl	Antilocapr	Capromeryx	CUBONAV	V3310 Black Hawk Ranch
UCMP	V	90866	Mammalia	Artiodactyl	Antilocapr	Capromeryx	CUBONAV	V3310 Black Hawk Ranch
UCMP	V	90867	Mammalia	Artiodactyl	Antilocapr	Capromeryx	CUBONAV	V3310 Black Hawk Ranch
UCMP	V	90868	Mammalia	Artiodactyl	Antilocapr	Capromeryx	CUBONAV	V3310 Black Hawk Ranch
UCMP	V	90869	Mammalia	Artiodactyl	Antilocapr	Capromeryx	CUBONAV	V3310 Black Hawk Ranch
UCMP	V	90870	Mammalia	Artiodactyl	Antilocapr	Capromeryx	CUBONAV	V3310 Black Hawk Ranch
UCMP	V	90871	Mammalia	Artiodactyl	Antilocapr	Capromeryx	CUBONAV	V3310 Black Hawk Ranch
UCMP	V	90872	Mammalia	Artiodactyl	Antilocapr	Capromeryx	CUBONAV	V3310 Black Hawk Ranch
UCMP	V	90873	Mammalia	Artiodactyl	Antilocapr	Capromeryx	CUBONAV	V3310 Black Hawk Ranch
UCMP	V	90874	Mammalia	Artiodactyl	Antilocapr	Capromeryx	CUBONAV	V3310 Black Hawk Ranch
UCMP	V	90875	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ECTOCUN	V3310 Black Hawk Ranch
UCMP	V	90876	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ECTOCUN	V3310 Black Hawk Ranch
UCMP	V	90877	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ECTOCUN	V3310 Black Hawk Ranch
UCMP	V	90878	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ECTOCUN	V3310 Black Hawk Ranch
UCMP	V	90879	Mammalia	Artiodactyl	Antilocapr	Capromeryx	METAPODI	V3310 Black Hawk Ranch
UCMP	V	90880	Mammalia	Artiodactyl	Antilocapr	Capromeryx	METAPODI	V3310 Black Hawk Ranch
UCMP	V	90881	Mammalia	Artiodactyl	Antilocapr	Capromeryx	METAPODI	V3310 Black Hawk Ranch
UCMP	V	90882	Mammalia	Artiodactyl	Antilocapr	Capromeryx	METAPODI	V3310 Black Hawk Ranch
UCMP	V	90883	Mammalia	Artiodactyl	Antilocapr	Capromeryx	METAPODI	V3310 Black Hawk Ranch
UCMP	V	90884	Mammalia	Artiodactyl	Antilocapr	Capromeryx	METAPODI	V3310 Black Hawk Ranch
UCMP	V	90885	Mammalia	Artiodactyl	Antilocapr	Capromeryx	METAPODI	V3310 Black Hawk Ranch
UCMP	V	90886	Mammalia	Artiodactyl	Antilocapr	Capromeryx	METAPODI	V3310 Black Hawk Ranch
UCMP	V	90887	Mammalia	Artiodactyl	Antilocapr	Capromeryx	METAPODI	V3310 Black Hawk Ranch

UCMP	V	90888	Mammalia	Artiodactyl	Antilocapr	Capromeryx	METAPODI	V3310	Black Hawk Ranch
UCMP	V	90889	Mammalia	Artiodactyl	Antilocapr	Capromeryx	METAPODI	V3310	Black Hawk Ranch
UCMP	V	90890	Mammalia	Artiodactyl	Antilocapr	Capromeryx	METAPODI	V3310	Black Hawk Ranch
UCMP	V	90891	Mammalia	Artiodactyl	Antilocapr	Capromeryx	METAPODI	V3310	Black Hawk Ranch
UCMP	V	90892	Mammalia	Artiodactyl	Antilocapr	Capromeryx	METAPODI	V3310	Black Hawk Ranch
UCMP	V	90893	Mammalia	Artiodactyl	Antilocapr	Capromeryx	METAPODI	V3310	Black Hawk Ranch
UCMP	V	90894	Mammalia	Artiodactyl	Antilocapr	Capromeryx	METAPODI	V3310	Black Hawk Ranch
UCMP	V	90895	Mammalia	Artiodactyl	Antilocapr	Capromeryx	METAPODI	V3310	Black Hawk Ranch
UCMP	V	90896	Mammalia	Artiodactyl	Antilocapr	Capromeryx	METAPODI	V3310	Black Hawk Ranch
UCMP	V	90897	Mammalia	Artiodactyl	Antilocapr	Capromeryx	METAPODI	V3310	Black Hawk Ranch
UCMP	V	90898	Mammalia	Artiodactyl	Antilocapr	Capromeryx	METAPODI	V3310	Black Hawk Ranch
UCMP	V	90899	Mammalia	Artiodactyl	Antilocapr	Capromeryx	METAPODI	V3310	Black Hawk Ranch
UCMP	V	90900	Mammalia	Artiodactyl	Antilocapr	Capromeryx	METAPODI	V3310	Black Hawk Ranch
UCMP	V	90901	Mammalia	Artiodactyl	Antilocapr	Capromeryx	METAPODI	V3310	Black Hawk Ranch
UCMP	V	90902	Mammalia	Artiodactyl	Antilocapr	Capromeryx	METAPODI	V3310	Black Hawk Ranch
UCMP	V	90903	Mammalia	Artiodactyl	Antilocapr	Capromeryx	METAPODI	V3310	Black Hawk Ranch
UCMP	V	90904	Mammalia	Artiodactyl	Antilocapr	Capromeryx	METAPODI	V3310	Black Hawk Ranch
UCMP	V	90905	Mammalia	Artiodactyl	Antilocapr	Capromeryx	METAPODI	V3310	Black Hawk Ranch
UCMP	V	90906	Mammalia	Artiodactyl	Antilocapr	Capromeryx	METAPODI	V3310	Black Hawk Ranch
UCMP	V	90907	Mammalia	Artiodactyl	Antilocapr	Capromeryx	METAPODI	V3310	Black Hawk Ranch
UCMP	V	90908	Mammalia	Artiodactyl	Antilocapr	Capromeryx	METAPODI	V3310	Black Hawk Ranch
UCMP	V	90909	Mammalia	Artiodactyl	Antilocapr	Capromeryx	METAPODI	V3310	Black Hawk Ranch
UCMP	V	90910	Mammalia	Artiodactyl	Antilocapr	Capromeryx	METAPODI	V3310	Black Hawk Ranch
UCMP	V	90911	Mammalia	Artiodactyl	Antilocapr	Capromeryx	METAPODI	V3310	Black Hawk Ranch
UCMP	V	90912	Mammalia	Artiodactyl	Antilocapr	Capromeryx	METAPODI	V3310	Black Hawk Ranch
UCMP	V	90913	Mammalia	Artiodactyl	Antilocapr	Capromeryx	METAPODI	V3310	Black Hawk Ranch
UCMP	V	90914	Mammalia	Artiodactyl	Antilocapr	Capromeryx	METAPODI	V3310	Black Hawk Ranch
UCMP	V	90915	Mammalia	Artiodactyl	Antilocapr	Capromeryx	METAPODI	V3310	Black Hawk Ranch
UCMP	V	90916	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90917	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90918	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90919	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90920	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90921	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90922	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90923	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90924	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90925	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90926	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90927	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90928	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90929	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90930	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90931	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90932	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90933	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90934	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90935	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90936	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90937	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90938	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90939	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90940	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90941	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90942	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90943	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90944	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90945	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90946	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90947	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90948	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90949	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90950	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90951	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90952	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90953	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90954	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90955	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90956	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90957	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90958	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90959	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90960	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310	Black Hawk Ranch
UCMP	V	90961	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310	Black Hawk Ranch

UCMP	V	90962	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90963	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90964	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90965	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90966	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90967	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90968	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90969	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90970	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90971	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90972	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90973	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90974	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90975	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90976	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90977	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90978	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90979	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90980	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90981	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90982	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90983	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90984	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90985	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90986	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90987	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90988	Mammalia	Artiodactyl	Antilocapr	Capromeryx	PHALANX	V3310 Black Hawk Ranch
UCMP	V	90989	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ULNA	V3310 Black Hawk Ranch
UCMP	V	90990	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ULNA	V3310 Black Hawk Ranch
UCMP	V	90991	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ULNA	V3310 Black Hawk Ranch
UCMP	V	90992	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ULNA	V3310 Black Hawk Ranch
UCMP	V	90993	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ULNA	V3310 Black Hawk Ranch
UCMP	V	90994	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ULNA	V3310 Black Hawk Ranch
UCMP	V	90995	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ULNA	V3310 Black Hawk Ranch
UCMP	V	90996	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ULNA	V3310 Black Hawk Ranch
UCMP	V	90997	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ULNA	V3310 Black Hawk Ranch
UCMP	V	90998	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ULNA	V3310 Black Hawk Ranch
UCMP	V	90999	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ULNA	V3310 Black Hawk Ranch
UCMP	V	91000	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ULNA	V3310 Black Hawk Ranch
UCMP	V	91001	Mammalia	Artiodactyl	Antilocapr	Capromeryx	ULNA	V3310 Black Hawk Ranch
UCMP	V	91311	Mammalia	Artiodactyl	Camelidae	Procamelus	DP2	V3310 Black Hawk Ranch
UCMP	V	91312	Mammalia	Artiodactyl	Camelidae	Procamelus	DP2	V3310 Black Hawk Ranch
UCMP	V	91313	Mammalia	Artiodactyl	Camelidae	Procamelus	DP3	V3310 Black Hawk Ranch
UCMP	V	91314	Mammalia	Artiodactyl	Camelidae	Procamelus	DP3	V3310 Black Hawk Ranch
UCMP	V	91315	Mammalia	Artiodactyl	Camelidae	Procamelus	DP3	V3310 Black Hawk Ranch
UCMP	V	91316	Mammalia	Artiodactyl	Camelidae	Procamelus	DP3	V3310 Black Hawk Ranch
UCMP	V	91317	Mammalia	Artiodactyl	Camelidae	Procamelus	DP3	V3310 Black Hawk Ranch
UCMP	V	91318	Mammalia	Artiodactyl	Camelidae	Procamelus	DP3	V3310 Black Hawk Ranch
UCMP	V	91319	Mammalia	Artiodactyl	Camelidae	Procamelus	DP3	V3310 Black Hawk Ranch
UCMP	V	91320	Mammalia	Artiodactyl	Camelidae	Procamelus	DP3	V3310 Black Hawk Ranch
UCMP	V	91321	Mammalia	Artiodactyl	Camelidae	Procamelus	DP3	V3310 Black Hawk Ranch
UCMP	V	91322	Mammalia	Artiodactyl	Camelidae	Procamelus	DP3	V3310 Black Hawk Ranch
UCMP	V	91323	Mammalia	Artiodactyl	Camelidae	Procamelus	DP3	V3310 Black Hawk Ranch
UCMP	V	91324	Mammalia	Artiodactyl	Camelidae	Procamelus	DP3	V3310 Black Hawk Ranch
UCMP	V	91325	Mammalia	Artiodactyl	Camelidae	Procamelus	DP3	V3310 Black Hawk Ranch
UCMP	V	91326	Mammalia	Artiodactyl	Camelidae	Procamelus	DP3	V3310 Black Hawk Ranch
UCMP	V	91327	Mammalia	Artiodactyl	Camelidae	Procamelus	DP3	V3310 Black Hawk Ranch
UCMP	V	91328	Mammalia	Artiodactyl	Camelidae	Procamelus	DP3	V3310 Black Hawk Ranch
UCMP	V	91329	Mammalia	Artiodactyl	Camelidae	Procamelus	DP3	V3310 Black Hawk Ranch
UCMP	V	91330	Mammalia	Artiodactyl	Camelidae	Procamelus	DP4	V3310 Black Hawk Ranch
UCMP	V	91331	Mammalia	Artiodactyl	Camelidae	Procamelus	DP4	V3310 Black Hawk Ranch
UCMP	V	91332	Mammalia	Artiodactyl	Camelidae	Procamelus	DP4	V3310 Black Hawk Ranch
UCMP	V	91333	Mammalia	Artiodactyl	Camelidae	Procamelus	DP4	V3310 Black Hawk Ranch
UCMP	V	91334	Mammalia	Artiodactyl	Camelidae	Procamelus	DP4	V3310 Black Hawk Ranch
UCMP	V	91335	Mammalia	Artiodactyl	Camelidae	Procamelus	DP4	V3310 Black Hawk Ranch
UCMP	V	91336	Mammalia	Artiodactyl	Camelidae	Procamelus	DP4	V3310 Black Hawk Ranch
UCMP	V	91337	Mammalia	Artiodactyl	Camelidae	Procamelus	DP4	V3310 Black Hawk Ranch
UCMP	V	91338	Mammalia	Artiodactyl	Camelidae	Procamelus	DP4	V3310 Black Hawk Ranch
UCMP	V	91339	Mammalia	Artiodactyl	Camelidae	Procamelus	DP4	V3310 Black Hawk Ranch
UCMP	V	91340	Mammalia	Artiodactyl	Camelidae	Procamelus	DP4	V3310 Black Hawk Ranch
UCMP	V	91341	Mammalia	Artiodactyl	Camelidae	Procamelus	DP4	V3310 Black Hawk Ranch
UCMP	V	91342	Mammalia	Artiodactyl	Camelidae	Procamelus	DP4	V3310 Black Hawk Ranch
UCMP	V	91343	Mammalia	Artiodactyl	Camelidae	Procamelus	DP4	V3310 Black Hawk Ranch
UCMP	V	91344	Mammalia	Artiodactyl	Camelidae	Procamelus	DP4	V3310 Black Hawk Ranch

UCMP	V	91345	Mammalia	Artiodactyl	Camelidae	Procamelus	DP4	V3310 Black Hawk Ranch
UCMP	V	91346	Mammalia	Artiodactyl	Camelidae	Procamelus	DP4	V3310 Black Hawk Ranch
UCMP	V	91347	Mammalia	Artiodactyl	Camelidae	Procamelus	DP4	V3310 Black Hawk Ranch
UCMP	V	91348	Mammalia	Artiodactyl	Camelidae	Procamelus	DP4	V3310 Black Hawk Ranch
UCMP	V	91349	Mammalia	Artiodactyl	Camelidae	Procamelus	DP4	V3310 Black Hawk Ranch
UCMP	V	91350	Mammalia	Artiodactyl	Camelidae	Procamelus	DP4	V3310 Black Hawk Ranch
UCMP	V	91351	Mammalia	Artiodactyl	Camelidae	Procamelus	DP4	V3310 Black Hawk Ranch
UCMP	V	91352	Mammalia	Artiodactyl	Camelidae	Procamelus	DP4	V3310 Black Hawk Ranch
UCMP	V	91353	Mammalia	Artiodactyl	Camelidae	Procamelus	DP4	V3310 Black Hawk Ranch
UCMP	V	91354	Mammalia	Artiodactyl	Camelidae	Procamelus	DP4	V3310 Black Hawk Ranch
UCMP	V	91355	Mammalia	Artiodactyl	Camelidae	Procamelus	DP4	V3310 Black Hawk Ranch
UCMP	V	91356	Mammalia	Artiodactyl	Camelidae	Procamelus	DP4	V3310 Black Hawk Ranch
UCMP	V	91357	Mammalia	Artiodactyl	Camelidae	Procamelus	DP4	V3310 Black Hawk Ranch
UCMP	V	91358	Mammalia	Artiodactyl	Camelidae	Procamelus	DP4	V3310 Black Hawk Ranch
UCMP	V	91359	Mammalia	Artiodactyl	Camelidae	Procamelus	DP4	V3310 Black Hawk Ranch
UCMP	V	91360	Mammalia	Artiodactyl	Camelidae	Procamelus	DP4	V3310 Black Hawk Ranch
UCMP	V	91361	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M1/	V3310 Black Hawk Ranch
UCMP	V	91362	Mammalia	Artiodactyl	Antilocapr	Capromeryx	DENTARY	V3310 Black Hawk Ranch
UCMP	V	91363	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	91364	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	91365	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	91366	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	91367	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	91368	Mammalia	Artiodactyl	Antilocapr	Capromeryx	DENTARY	V3310 Black Hawk Ranch
UCMP	V	91369	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	91370	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	91371	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	91372	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	91373	Mammalia	Artiodactyl	Antilocapr	Capromeryx	DENTARY	V3310 Black Hawk Ranch
UCMP	V	91374	Mammalia	Artiodactyl	Antilocapr	Capromeryx	DENTARY	V3310 Black Hawk Ranch
UCMP	V	91375	Mammalia	Artiodactyl	Antilocapr	Capromeryx	DENTARY	V3310 Black Hawk Ranch
UCMP	V	91376	Mammalia	Artiodactyl	Antilocapr	Capromeryx	DP3/	V3310 Black Hawk Ranch
UCMP	V	91377	Mammalia	Artiodactyl	Antilocapr	Capromeryx	DP3/	V3310 Black Hawk Ranch
UCMP	V	91378	Mammalia	Artiodactyl	Antilocapr	Capromeryx	DP3/	V3310 Black Hawk Ranch
UCMP	V	91379	Mammalia	Artiodactyl	Antilocapr	Capromeryx	DP3/	V3310 Black Hawk Ranch
UCMP	V	91380	Mammalia	Artiodactyl	Antilocapr	Capromeryx	DP3/	V3310 Black Hawk Ranch
UCMP	V	91381	Mammalia	Artiodactyl	Antilocapr	Capromeryx	DP3/	V3310 Black Hawk Ranch
UCMP	V	91382	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/I2	V3310 Black Hawk Ranch
UCMP	V	91383	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/I3	V3310 Black Hawk Ranch
UCMP	V	91384	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/P2	V3310 Black Hawk Ranch
UCMP	V	91385	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/P2	V3310 Black Hawk Ranch
UCMP	V	91386	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/P2	V3310 Black Hawk Ranch
UCMP	V	91387	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/P2	V3310 Black Hawk Ranch
UCMP	V	91388	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/DP4	V3310 Black Hawk Ranch
UCMP	V	91389	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/DP4	V3310 Black Hawk Ranch
UCMP	V	91390	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/DP4	V3310 Black Hawk Ranch
UCMP	V	91391	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/DP4	V3310 Black Hawk Ranch
UCMP	V	91392	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/DP4	V3310 Black Hawk Ranch
UCMP	V	91393	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/P	V3310 Black Hawk Ranch
UCMP	V	91394	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/P	V3310 Black Hawk Ranch
UCMP	V	91395	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/P	V3310 Black Hawk Ranch
UCMP	V	91396	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/P	V3310 Black Hawk Ranch
UCMP	V	91397	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/P	V3310 Black Hawk Ranch
UCMP	V	91398	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/P	V3310 Black Hawk Ranch
UCMP	V	91399	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/P	V3310 Black Hawk Ranch
UCMP	V	91400	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/P	V3310 Black Hawk Ranch
UCMP	V	91401	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/P	V3310 Black Hawk Ranch
UCMP	V	91402	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/P	V3310 Black Hawk Ranch
UCMP	V	91403	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/P	V3310 Black Hawk Ranch
UCMP	V	91404	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M1	V3310 Black Hawk Ranch
UCMP	V	91405	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M1	V3310 Black Hawk Ranch
UCMP	V	91406	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M1	V3310 Black Hawk Ranch
UCMP	V	91407	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M1	V3310 Black Hawk Ranch
UCMP	V	91408	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M1	V3310 Black Hawk Ranch
UCMP	V	91409	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M1	V3310 Black Hawk Ranch
UCMP	V	91410	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M1	V3310 Black Hawk Ranch
UCMP	V	91411	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M1	V3310 Black Hawk Ranch
UCMP	V	91412	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M1	V3310 Black Hawk Ranch
UCMP	V	91413	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M1	V3310 Black Hawk Ranch
UCMP	V	91414	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M1	V3310 Black Hawk Ranch
UCMP	V	91415	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M1	V3310 Black Hawk Ranch
UCMP	V	91416	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M1	V3310 Black Hawk Ranch
UCMP	V	91417	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M1	V3310 Black Hawk Ranch
UCMP	V	91418	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M1	V3310 Black Hawk Ranch

UCMP	V	91419	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M1	V3310 Black Hawk Ranch
UCMP	V	91420	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M2	V3310 Black Hawk Ranch
UCMP	V	91421	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M2	V3310 Black Hawk Ranch
UCMP	V	91422	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M2	V3310 Black Hawk Ranch
UCMP	V	91423	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M2	V3310 Black Hawk Ranch
UCMP	V	91424	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M2	V3310 Black Hawk Ranch
UCMP	V	91425	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M2	V3310 Black Hawk Ranch
UCMP	V	91426	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M2	V3310 Black Hawk Ranch
UCMP	V	91427	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M2	V3310 Black Hawk Ranch
UCMP	V	91428	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M2	V3310 Black Hawk Ranch
UCMP	V	91429	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M2	V3310 Black Hawk Ranch
UCMP	V	91430	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M2	V3310 Black Hawk Ranch
UCMP	V	91431	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M2	V3310 Black Hawk Ranch
UCMP	V	91432	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M2	V3310 Black Hawk Ranch
UCMP	V	91433	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M2	V3310 Black Hawk Ranch
UCMP	V	91434	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M2	V3310 Black Hawk Ranch
UCMP	V	91435	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M2	V3310 Black Hawk Ranch
UCMP	V	91436	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M2	V3310 Black Hawk Ranch
UCMP	V	91437	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M2	V3310 Black Hawk Ranch
UCMP	V	91438	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M2	V3310 Black Hawk Ranch
UCMP	V	91439	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M2	V3310 Black Hawk Ranch
UCMP	V	91440	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M2	V3310 Black Hawk Ranch
UCMP	V	91441	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M2	V3310 Black Hawk Ranch
UCMP	V	91442	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M2	V3310 Black Hawk Ranch
UCMP	V	91443	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M2	V3310 Black Hawk Ranch
UCMP	V	91444	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M2	V3310 Black Hawk Ranch
UCMP	V	91445	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M2	V3310 Black Hawk Ranch
UCMP	V	91446	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M2	V3310 Black Hawk Ranch
UCMP	V	91447	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M2	V3310 Black Hawk Ranch
UCMP	V	91448	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M2	V3310 Black Hawk Ranch
UCMP	V	91449	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M2	V3310 Black Hawk Ranch
UCMP	V	91450	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M2	V3310 Black Hawk Ranch
UCMP	V	91451	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M2	V3310 Black Hawk Ranch
UCMP	V	91452	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M3	V3310 Black Hawk Ranch
UCMP	V	91453	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M3	V3310 Black Hawk Ranch
UCMP	V	91454	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M3	V3310 Black Hawk Ranch
UCMP	V	91455	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M3	V3310 Black Hawk Ranch
UCMP	V	91456	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M3	V3310 Black Hawk Ranch
UCMP	V	91457	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M3	V3310 Black Hawk Ranch
UCMP	V	91458	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M3	V3310 Black Hawk Ranch
UCMP	V	91459	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M3	V3310 Black Hawk Ranch
UCMP	V	91460	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M3	V3310 Black Hawk Ranch
UCMP	V	91461	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M3	V3310 Black Hawk Ranch
UCMP	V	91462	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M3	V3310 Black Hawk Ranch
UCMP	V	91463	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M3	V3310 Black Hawk Ranch
UCMP	V	91464	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M3	V3310 Black Hawk Ranch
UCMP	V	91465	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M3	V3310 Black Hawk Ranch
UCMP	V	91466	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M3	V3310 Black Hawk Ranch
UCMP	V	91467	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M3	V3310 Black Hawk Ranch
UCMP	V	91468	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M3	V3310 Black Hawk Ranch
UCMP	V	91469	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M3	V3310 Black Hawk Ranch
UCMP	V	91470	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M3	V3310 Black Hawk Ranch
UCMP	V	91471	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M3	V3310 Black Hawk Ranch
UCMP	V	91472	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M3	V3310 Black Hawk Ranch
UCMP	V	91473	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M3	V3310 Black Hawk Ranch
UCMP	V	91474	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M3	V3310 Black Hawk Ranch
UCMP	V	91475	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M3	V3310 Black Hawk Ranch
UCMP	V	91476	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M3	V3310 Black Hawk Ranch
UCMP	V	91477	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M3	V3310 Black Hawk Ranch
UCMP	V	91478	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M3	V3310 Black Hawk Ranch
UCMP	V	91479	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M3	V3310 Black Hawk Ranch
UCMP	V	91480	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M3	V3310 Black Hawk Ranch
UCMP	V	91481	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M3	V3310 Black Hawk Ranch
UCMP	V	91482	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M3	V3310 Black Hawk Ranch
UCMP	V	91483	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M3	V3310 Black Hawk Ranch
UCMP	V	91484	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M3	V3310 Black Hawk Ranch
UCMP	V	91485	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M3	V3310 Black Hawk Ranch
UCMP	V	91486	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M3	V3310 Black Hawk Ranch
UCMP	V	91487	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M3	V3310 Black Hawk Ranch
UCMP	V	91488	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M3	V3310 Black Hawk Ranch
UCMP	V	91489	Mammalia	Artiodactyl	Antilocapr	Capromeryx	/M3	V3310 Black Hawk Ranch
UCMP	V	91490	Mammalia	Artiodactyl	Antilocapr	Capromeryx	DENTARY \	V3310 Black Hawk Ranch
UCMP	V	91638	Mammalia	Artiodactyl	Antilocapr	Capromeryx formosa	P4/	V3310 Black Hawk Ranch
UCMP	V	92908	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch

UCMP	V	92909	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92910	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92911	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92912	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92913	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92914	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92915	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92916	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92917	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92918	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92919	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92920	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92921	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92922	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92923	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92924	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92925	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92926	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92927	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92928	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92929	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92930	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92931	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92932	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92933	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92934	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92935	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92936	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92937	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92938	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92939	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92940	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92941	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92942	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92943	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92944	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92945	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92946	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92947	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92948	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92949	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92950	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92951	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92952	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92953	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92954	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92955	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92956	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92957	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92958	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92959	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92960	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92961	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92962	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92963	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92964	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92965	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92966	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92967	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92968	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92969	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92970	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92971	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92972	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92973	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92974	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92975	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92976	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M/	V3310 Black Hawk Ranch
UCMP	V	92977	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	92978	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	92979	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	92980	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	92981	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	92982	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch

UCMP	V	92983	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	92984	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	94382	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	94383	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	94384	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	94385	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	94386	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	94387	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	94388	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	94389	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	94390	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	94391	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	94392	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	94393	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	94394	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	94395	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	94396	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	94397	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	94398	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	94399	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	94400	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	94401	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	94402	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	94403	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	94404	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	94405	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	94406	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	94407	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	94408	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	94409	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	94410	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	94411	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	94412	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	94413	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	94414	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	94415	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	94416	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	94417	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	94418	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	94419	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	94420	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	94421	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	94422	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	94423	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	94424	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M3/	V3310 Black Hawk Ranch
UCMP	V	94425	Mammalia	Artiodactyl	Antilocapr	Capromeryx	M2/	V3310 Black Hawk Ranch
UCMP	V	94731	Mammalia	Perissodac	Equidae	Nannippus	DP2	V3310 Black Hawk Ranch
UCMP	V	94732	Mammalia	Perissodac	Equidae	Nannippus	DP2	V3310 Black Hawk Ranch
UCMP	V	94733	Mammalia	Perissodac	Equidae	Nannippus	DP4	V3310 Black Hawk Ranch
UCMP	V	94734	Mammalia	Perissodac	Equidae	Nannippus	DP3	V3310 Black Hawk Ranch
UCMP	V	94735	Mammalia	Perissodac	Equidae	Nannippus	DP2	V3310 Black Hawk Ranch
UCMP	V	94736	Mammalia	Perissodac	Equidae	Nannippus	DP4	V3310 Black Hawk Ranch
UCMP	V	94737	Mammalia	Perissodac	Equidae	Nannippus	DP4	V3310 Black Hawk Ranch
UCMP	V	94738	Mammalia	Perissodac	Equidae	Nannippus	DP3	V3310 Black Hawk Ranch
UCMP	V	94739	Mammalia	Perissodac	Equidae	Nannippus	DP4	V3310 Black Hawk Ranch
UCMP	V	94740	Mammalia	Perissodac	Equidae	Nannippus	P2	V3310 Black Hawk Ranch
UCMP	V	94741	Mammalia	Perissodac	Equidae	Nannippus	P2	V3310 Black Hawk Ranch
UCMP	V	94742	Mammalia	Perissodac	Equidae	Nannippus	P2	V3310 Black Hawk Ranch
UCMP	V	94743	Mammalia	Perissodac	Equidae	Nannippus	P2	V3310 Black Hawk Ranch
UCMP	V	94744	Mammalia	Perissodac	Equidae	Nannippus	P2	V3310 Black Hawk Ranch
UCMP	V	94745	Mammalia	Perissodac	Equidae	Nannippus	P2	V3310 Black Hawk Ranch
UCMP	V	94746	Mammalia	Perissodac	Equidae	Nannippus	P2	V3310 Black Hawk Ranch
UCMP	V	94747	Mammalia	Perissodac	Equidae	Nannippus	P2	V3310 Black Hawk Ranch
UCMP	V	94748	Mammalia	Perissodac	Equidae	Nannippus	P2	V3310 Black Hawk Ranch
UCMP	V	94749	Mammalia	Perissodac	Equidae	Nannippus	M	V3310 Black Hawk Ranch
UCMP	V	94750	Mammalia	Perissodac	Equidae	Nannippus	M	V3310 Black Hawk Ranch
UCMP	V	94751	Mammalia	Perissodac	Equidae	Nannippus	M	V3310 Black Hawk Ranch
UCMP	V	94752	Mammalia	Perissodac	Equidae	Nannippus	M	V3310 Black Hawk Ranch
UCMP	V	94753	Mammalia	Perissodac	Equidae	Nannippus	M	V3310 Black Hawk Ranch
UCMP	V	94754	Mammalia	Perissodac	Equidae	Nannippus	M	V3310 Black Hawk Ranch
UCMP	V	94755	Mammalia	Perissodac	Equidae	Nannippus	M	V3310 Black Hawk Ranch
UCMP	V	94756	Mammalia	Perissodac	Equidae	Nannippus	M	V3310 Black Hawk Ranch
UCMP	V	94757	Mammalia	Perissodac	Equidae	Nannippus	M	V3310 Black Hawk Ranch
UCMP	V	94758	Mammalia	Perissodac	Equidae	Nannippus	M	V3310 Black Hawk Ranch

UCMP	V	94759	Mammalia	Perissodac	Equidae	Nannippus				M	V3310 Black Hawk Ranch
UCMP	V	94760	Mammalia	Perissodac	Equidae	Nannippus				M	V3310 Black Hawk Ranch
UCMP	V	94761	Mammalia	Perissodac	Equidae	Nannippus				M	V3310 Black Hawk Ranch
UCMP	V	94762	Mammalia	Perissodac	Equidae	Nannippus				M	V3310 Black Hawk Ranch
UCMP	V	94763	Mammalia	Perissodac	Equidae	Nannippus				M	V3310 Black Hawk Ranch
UCMP	V	94764	Mammalia	Perissodac	Equidae	Nannippus				M	V3310 Black Hawk Ranch
UCMP	V	94765	Mammalia	Perissodac	Equidae	Nannippus				M	V3310 Black Hawk Ranch
UCMP	V	94766	Mammalia	Perissodac	Equidae	Nannippus				M	V3310 Black Hawk Ranch
UCMP	V	94767	Mammalia	Perissodac	Equidae	Nannippus				M	V3310 Black Hawk Ranch
UCMP	V	94768	Mammalia	Perissodac	Equidae	Nannippus				M	V3310 Black Hawk Ranch
UCMP	V	94769	Mammalia	Perissodac	Equidae	Nannippus				M	V3310 Black Hawk Ranch
UCMP	V	94770	Mammalia	Perissodac	Equidae	Nannippus				M	V3310 Black Hawk Ranch
UCMP	V	94771	Mammalia	Perissodac	Equidae	Nannippus				M	V3310 Black Hawk Ranch
UCMP	V	94772	Mammalia	Perissodac	Equidae	Nannippus				M	V3310 Black Hawk Ranch
UCMP	V	94773	Mammalia	Perissodac	Equidae	Nannippus				M	V3310 Black Hawk Ranch
UCMP	V	94774	Mammalia	Perissodac	Equidae	Nannippus				M	V3310 Black Hawk Ranch
UCMP	V	94775	Mammalia	Perissodac	Equidae	Nannippus				M	V3310 Black Hawk Ranch
UCMP	V	94776	Mammalia	Perissodac	Equidae	Nannippus				M	V3310 Black Hawk Ranch
UCMP	V	94777	Mammalia	Perissodac	Equidae	Nannippus				M	V3310 Black Hawk Ranch
UCMP	V	94778	Mammalia	Perissodac	Equidae	Nannippus				M	V3310 Black Hawk Ranch
UCMP	V	94779	Mammalia	Perissodac	Equidae	Nannippus				M	V3310 Black Hawk Ranch
UCMP	V	94780	Mammalia	Perissodac	Equidae	Nannippus				M	V3310 Black Hawk Ranch
UCMP	V	94781	Mammalia	Perissodac	Equidae	Nannippus				DP2	V3310 Black Hawk Ranch
UCMP	V	94782	Mammalia	Perissodac	Equidae	Nannippus				DP2	V3310 Black Hawk Ranch
UCMP	V	94783	Mammalia	Perissodac	Equidae	Nannippus				DP3	V3310 Black Hawk Ranch
UCMP	V	94784	Mammalia	Perissodac	Equidae	Nannippus				DP3	V3310 Black Hawk Ranch
UCMP	V	94785	Mammalia	Perissodac	Equidae	Nannippus				DP3	V3310 Black Hawk Ranch
UCMP	V	94786	Mammalia	Perissodac	Equidae	Nannippus				DP4	V3310 Black Hawk Ranch
UCMP	V	94787	Mammalia	Perissodac	Equidae	Nannippus				DP4	V3310 Black Hawk Ranch
UCMP	V	94788	Mammalia	Perissodac	Equidae	Nannippus				DP4	V3310 Black Hawk Ranch
UCMP	V	94789	Mammalia	Perissodac	Equidae	Nannippus				DP3	V3310 Black Hawk Ranch
UCMP	V	94790	Mammalia	Perissodac	Equidae	Nannippus				DP3	V3310 Black Hawk Ranch
UCMP	V	94791	Mammalia	Perissodac	Equidae	Nannippus				DP4	V3310 Black Hawk Ranch
UCMP	V	94792	Mammalia	Perissodac	Equidae	Nannippus				DP3	V3310 Black Hawk Ranch
UCMP	V	94793	Mammalia	Perissodac	Equidae	Nannippus				DP3	V3310 Black Hawk Ranch
UCMP	V	94794	Mammalia	Perissodac	Equidae	Nannippus				DP3	V3310 Black Hawk Ranch
UCMP	V	94795	Mammalia	Perissodac	Equidae	Nannippus				DP4	V3310 Black Hawk Ranch
UCMP	V	94796	Mammalia	Perissodac	Equidae	Nannippus				DP4	V3310 Black Hawk Ranch
UCMP	V	94797	Mammalia	Perissodac	Equidae	Nannippus				DP4	V3310 Black Hawk Ranch
UCMP	V	94798	Mammalia	Perissodac	Equidae	Nannippus				DP4	V3310 Black Hawk Ranch
UCMP	V	94799	Mammalia	Perissodac	Equidae	Nannippus				DP3	V3310 Black Hawk Ranch
UCMP	V	94800	Mammalia	Perissodac	Equidae	Nannippus				DP3	V3310 Black Hawk Ranch
UCMP	V	94801	Mammalia	Perissodac	Equidae	Nannippus				DP3	V3310 Black Hawk Ranch
UCMP	V	94802	Mammalia	Perissodac	Equidae	Nannippus				DP3	V3310 Black Hawk Ranch
UCMP	V	94803	Mammalia	Perissodac	Equidae	Nannippus				DP3	V3310 Black Hawk Ranch
UCMP	V	94804	Mammalia	Perissodac	Equidae	Nannippus				DP4	V3310 Black Hawk Ranch
UCMP	V	94805	Mammalia	Perissodac	Equidae	Nannippus				DP4	V3310 Black Hawk Ranch
UCMP	V	94806	Mammalia	Perissodac	Equidae	Nannippus				DP4	V3310 Black Hawk Ranch
UCMP	V	94807	Mammalia	Perissodac	Equidae	Nannippus				DP4	V3310 Black Hawk Ranch
UCMP	V	94808	Mammalia	Perissodac	Equidae	Nannippus				DP4	V3310 Black Hawk Ranch
UCMP	V	94809	Mammalia	Perissodac	Equidae	Nannippus				P2	V3310 Black Hawk Ranch
UCMP	V	94810	Mammalia	Perissodac	Equidae	Nannippus				P2	V3310 Black Hawk Ranch
UCMP	V	94811	Mammalia	Perissodac	Equidae	Nannippus				P2	V3310 Black Hawk Ranch
UCMP	V	94812	Mammalia	Perissodac	Equidae	Nannippus				P2	V3310 Black Hawk Ranch
UCMP	V	94813	Mammalia	Perissodac	Equidae	Nannippus				M2	V3310 Black Hawk Ranch
UCMP	V	94814	Mammalia	Perissodac	Equidae	Nannippus				M2	V3310 Black Hawk Ranch
UCMP	V	94815	Mammalia	Perissodac	Equidae	Hipparion forcei	PUBL	Hulbert, R.C. 1987. J Paleont 61,		L M1/	V3310 Black Hawk Ranch
UCMP	V	94816	Mammalia	Perissodac	Equidae	Nannippus				M2	V3310 Black Hawk Ranch
UCMP	V	94817	Mammalia	Perissodac	Equidae	Nannippus				MAXILLA	V3310 Black Hawk Ranch
UCMP	V	94818	Mammalia	Perissodac	Equidae	Nannippus				MAXILLA	V3310 Black Hawk Ranch
UCMP	V	94819	Mammalia	Perissodac	Equidae	Nannippus				MAXILLA	V3310 Black Hawk Ranch
UCMP	V	94820	Mammalia	Perissodac	Equidae	Nannippus				MAXILLA	V3310 Black Hawk Ranch
UCMP	V	94821	Mammalia	Perissodac	Equidae	Nannippus				M	V3310 Black Hawk Ranch
UCMP	V	94822	Mammalia	Perissodac	Equidae	Nannippus				M	V3310 Black Hawk Ranch
UCMP	V	94823	Mammalia	Perissodac	Equidae	Nannippus				M	V3310 Black Hawk Ranch
UCMP	V	94824	Mammalia	Perissodac	Equidae	Nannippus				M	V3310 Black Hawk Ranch
UCMP	V	94825	Mammalia	Perissodac	Equidae	Nannippus				M	V3310 Black Hawk Ranch
UCMP	V	94826	Mammalia	Perissodac	Equidae	Nannippus				M	V3310 Black Hawk Ranch
UCMP	V	94827	Mammalia	Perissodac	Equidae	Nannippus				M	V3310 Black Hawk Ranch
UCMP	V	94828	Mammalia	Perissodac	Equidae	Nannippus				M	V3310 Black Hawk Ranch
UCMP	V	94829	Mammalia	Perissodac	Equidae	Nannippus				M	V3310 Black Hawk Ranch
UCMP	V	94830	Mammalia	Perissodac	Equidae	Nannippus				M	V3310 Black Hawk Ranch
UCMP	V	94831	Mammalia	Perissodac	Equidae	Nannippus				M	V3310 Black Hawk Ranch
UCMP	V	94832	Mammalia	Perissodac	Equidae	Nannippus				M	V3310 Black Hawk Ranch

UCMP	V	94833	Mammalia	Perissodac	Equidae	Nannippus					M	V3310	Black Hawk Ranch
UCMP	V	94834	Mammalia	Perissodac	Equidae	Nannippus					M	V3310	Black Hawk Ranch
UCMP	V	94835	Mammalia	Perissodac	Equidae	Nannippus					M	V3310	Black Hawk Ranch
UCMP	V	94836	Mammalia	Perissodac	Equidae	Nannippus					M	V3310	Black Hawk Ranch
UCMP	V	94837	Mammalia	Perissodac	Equidae	Nannippus					M	V3310	Black Hawk Ranch
UCMP	V	94838	Mammalia	Perissodac	Equidae	Nannippus					M	V3310	Black Hawk Ranch
UCMP	V	94839	Mammalia	Perissodac	Equidae	Nannippus					M	V3310	Black Hawk Ranch
UCMP	V	94840	Mammalia	Perissodac	Equidae	Nannippus					M	V3310	Black Hawk Ranch
UCMP	V	94990	Mammalia	Lagomorpl	Leporidae	Hypolagus					MAXILLA	V3310	Black Hawk Ranch
UCMP	V	94991	Mammalia	Lagomorpl	Leporidae	Alilepus	hibbardi	FIG	White, J.A. 1991. JVP 11, fig4B2, p		R /P3	V3310	Black Hawk Ranch
UCMP	V	94992	Mammalia	Lagomorpl	Leporidae	Alilepus	hibbardi	FIG	White, J.A. 1991. JVP 11, fig4B3, p		L /P3	V3310	Black Hawk Ranch
UCMP	V	94993	Mammalia	Lagomorpl	Leporidae	Alilepus	hibbardi	FIG	White, J.A. 1991. JVP 11, fig4B4, p		R /P3	V3310	Black Hawk Ranch
UCMP	V	94994	Mammalia	Lagomorpl	Leporidae	Alilepus	hibbardi	FIG	White, J.A. 1991. JVP 11, fig4B5, p		L /P3	V3310	Black Hawk Ranch
UCMP	V	94995	Mammalia	Lagomorpl	Leporidae	Alilepus	hibbardi	FIG	White, J.A. 1991. JVP 11, fig4B1, p		L /P3	V3310	Black Hawk Ranch
UCMP	V	94996	Mammalia	Lagomorpl	Leporidae	Hypolagus					M2	V3310	Black Hawk Ranch
UCMP	V	94997	Mammalia	Lagomorpl	Leporidae	Hypolagus					P4	V3310	Black Hawk Ranch
UCMP	V	94998	Mammalia	Lagomorpl	Leporidae	Hypolagus					M2	V3310	Black Hawk Ranch
UCMP	V	94999	Mammalia	Lagomorpl	Leporidae	Hypolagus					I1	V3310	Black Hawk Ranch
UCMP	V	95000	Mammalia	Lagomorpl	Leporidae	Hypolagus					TIBIA	V3310	Black Hawk Ranch
UCMP	V	95001	Mammalia	Lagomorpl	Leporidae	Hypolagus					CALCANEU	V3310	Black Hawk Ranch
UCMP	V	95002	Mammalia	Rodentia	Castoridae	Eucastor					P4	V3310	Black Hawk Ranch
UCMP	V	95003	Mammalia	Rodentia	Castoridae	Eucastor					I1	V3310	Black Hawk Ranch
UCMP	V	95004	Mammalia	Rodentia	Castoridae	Eucastor					I1	V3310	Black Hawk Ranch
UCMP	V	95005	Mammalia	Rodentia	Castoridae	Eucastor					I1	V3310	Black Hawk Ranch
UCMP	V	95006	Mammalia	Rodentia	Castoridae	Eucastor					I1	V3310	Black Hawk Ranch
UCMP	V	95007	Mammalia	Rodentia	Castoridae	Eucastor					I1	V3310	Black Hawk Ranch
UCMP	V	95008	Mammalia	Rodentia	Castoridae	Eucastor					M3	V3310	Black Hawk Ranch
UCMP	V	95013	Mammalia	Carnivora	Canidae	Vulpes					M2	V3310	Black Hawk Ranch
UCMP	V	95014	Mammalia	Carnivora	Canidae	Vulpes					M2	V3310	Black Hawk Ranch
UCMP	V	95015	Mammalia	Carnivora	Canidae	Vulpes					M2	V3310	Black Hawk Ranch
UCMP	V	95016	Mammalia	Carnivora	Canidae	Vulpes					M2	V3310	Black Hawk Ranch
UCMP	V	95017	Mammalia	Carnivora	Canidae	Vulpes					DENTARY	V3310	Black Hawk Ranch
UCMP	V	95018	Mammalia	Carnivora	Canidae	Vulpes					P4	V3310	Black Hawk Ranch
UCMP	V	95036	Mammalia	Carnivora	Canidae	Epicyon	diabloensis				P4	V3310	Black Hawk Ranch
UCMP	V	95037	Mammalia	Carnivora	Canidae	Epicyon	diabloensis				I3	V3310	Black Hawk Ranch
UCMP	V	95038	Mammalia	Carnivora	Canidae	Epicyon	diabloensis				C	V3310	Black Hawk Ranch
UCMP	V	95039	Mammalia	Carnivora	Canidae	Epicyon	diabloensis				I3	V3310	Black Hawk Ranch
UCMP	V	95040	Mammalia	Carnivora	Canidae	Epicyon	diabloensis				P4	V3310	Black Hawk Ranch
UCMP	V	95041	Mammalia	Carnivora	Canidae	Epicyon	diabloensis				M1	V3310	Black Hawk Ranch
UCMP	V	95042	Mammalia	Carnivora	Canidae	Epicyon	diabloensis				M2	V3310	Black Hawk Ranch
UCMP	V	95043	Mammalia	Carnivora	Canidae	Epicyon	diabloensis				P3	V3310	Black Hawk Ranch
UCMP	V	95044	Mammalia	Carnivora	Canidae	Epicyon	diabloensis				M1	V3310	Black Hawk Ranch
UCMP	V	95045	Mammalia	Carnivora	Canidae	Epicyon	diabloensis				M1	V3310	Black Hawk Ranch
UCMP	V	95046	Mammalia	Carnivora	Canidae	Epicyon	diabloensis				P3	V3310	Black Hawk Ranch
UCMP	V	95047	Mammalia	Carnivora	Canidae	Epicyon	diabloensis				P4	V3310	Black Hawk Ranch
UCMP	V	95048	Mammalia	Carnivora	Canidae	Epicyon	diabloensis				P4	V3310	Black Hawk Ranch
UCMP	V	95049	Mammalia	Carnivora	Canidae	Epicyon	diabloensis				P4	V3310	Black Hawk Ranch
UCMP	V	95050	Mammalia	Carnivora	Canidae	Epicyon	diabloensis				P1	V3310	Black Hawk Ranch
UCMP	V	95051	Mammalia	Carnivora	Canidae	Epicyon	diabloensis				C	V3310	Black Hawk Ranch
UCMP	V	95052	Mammalia	Carnivora	Canidae	Epicyon	diabloensis				I2	V3310	Black Hawk Ranch
UCMP	V	95053	Mammalia	Carnivora	Canidae	Epicyon	diabloensis				I2	V3310	Black Hawk Ranch
UCMP	V	95054	Mammalia	Carnivora	Canidae	Epicyon	diabloensis				I2	V3310	Black Hawk Ranch
UCMP	V	95055	Mammalia	Carnivora	Canidae	Epicyon	diabloensis				I2	V3310	Black Hawk Ranch
UCMP	V	95056	Mammalia	Carnivora	Canidae	Epicyon	diabloensis				I2	V3310	Black Hawk Ranch
UCMP	V	95057	Mammalia	Carnivora	Canidae	Epicyon	diabloensis				I2	V3310	Black Hawk Ranch
UCMP	V	95058	Mammalia	Carnivora	Canidae	Epicyon	diabloensis				I2	V3310	Black Hawk Ranch
UCMP	V	95059	Mammalia	Carnivora	Canidae	Epicyon	diabloensis				I2	V3310	Black Hawk Ranch
UCMP	V	95060	Mammalia	Carnivora	Canidae	Epicyon	diabloensis				I2	V3310	Black Hawk Ranch
UCMP	V	95061	Mammalia	Carnivora	Canidae	Epicyon	diabloensis				I2	V3310	Black Hawk Ranch
UCMP	V	95062	Mammalia	Carnivora	Canidae	Epicyon	diabloensis				I2	V3310	Black Hawk Ranch
UCMP	V	95063	Mammalia	Carnivora	Canidae	Epicyon	diabloensis				DP4	V3310	Black Hawk Ranch
UCMP	V	95064	Mammalia	Carnivora	Canidae	Epicyon	diabloensis				DP3	V3310	Black Hawk Ranch
UCMP	V	95065	Mammalia	Carnivora	Canidae	Epicyon	diabloensis				DP3	V3310	Black Hawk Ranch
UCMP	V	95066	Mammalia	Carnivora	Canidae	Epicyon	diabloensis				M1	V3310	Black Hawk Ranch
UCMP	V	95067	Mammalia	Carnivora	Canidae	Epicyon	diabloensis				M1	V3310	Black Hawk Ranch
UCMP	V	95068	Mammalia	Carnivora	Canidae	Epicyon	diabloensis				M1	V3310	Black Hawk Ranch
UCMP	V	95069	Mammalia	Carnivora	Canidae	Epicyon	diabloensis				M1	V3310	Black Hawk Ranch
UCMP	V	95070	Mammalia	Carnivora	Canidae	Epicyon	diabloensis				MAXILLA	V3310	Black Hawk Ranch
UCMP	V	95071	Mammalia	Carnivora	Canidae	Epicyon	diabloensis				M1	V3310	Black Hawk Ranch
UCMP	V	95072	Mammalia	Carnivora	Canidae	Epicyon	diabloensis				M1	V3310	Black Hawk Ranch
UCMP	V	95073	Mammalia	Carnivora	Canidae	Epicyon	diabloensis				M1	V3310	Black Hawk Ranch
UCMP	V	95074	Mammalia	Carnivora	Canidae	Epicyon	diabloensis				M1	V3310	Black Hawk Ranch
UCMP	V	95075	Mammalia	Carnivora	Canidae	Epicyon	diabloensis				M2	V3310	Black Hawk Ranch
UCMP	V	95076	Mammalia	Carnivora	Canidae	Epicyon	diabloensis				P4	V3310	Black Hawk Ranch

UCMP	V	95077	Mammalia	Carnivora	Canidae	Epicyon	diabloensis	P2	V3310	Black Hawk Ranch
UCMP	V	95078	Mammalia	Carnivora	Canidae	Epicyon	diabloensis	P2	V3310	Black Hawk Ranch
UCMP	V	95079	Mammalia	Carnivora	Canidae	Epicyon	diabloensis	P2	V3310	Black Hawk Ranch
UCMP	V	95080	Mammalia	Carnivora	Canidae	Epicyon	diabloensis	M2	V3310	Black Hawk Ranch
UCMP	V	95081	Mammalia	Carnivora	Canidae	Epicyon	diabloensis	M2	V3310	Black Hawk Ranch
UCMP	V	95082	Mammalia	Carnivora	Canidae	Epicyon	diabloensis	P2	V3310	Black Hawk Ranch
UCMP	V	95083	Mammalia	Carnivora	Canidae	Epicyon	diabloensis	P2	V3310	Black Hawk Ranch
UCMP	V	95084	Mammalia	Carnivora	Canidae	Epicyon	diabloensis	M2	V3310	Black Hawk Ranch
UCMP	V	95085	Mammalia	Carnivora	Canidae	Epicyon	diabloensis	M2	V3310	Black Hawk Ranch
UCMP	V	95086	Mammalia	Carnivora	Canidae	Epicyon	diabloensis	M2	V3310	Black Hawk Ranch
UCMP	V	95087	Mammalia	Carnivora	Canidae	Epicyon	diabloensis	M2	V3310	Black Hawk Ranch
UCMP	V	95088	Mammalia	Carnivora	Canidae	Epicyon	diabloensis	P3	V3310	Black Hawk Ranch
UCMP	V	95089	Mammalia	Carnivora	Canidae	Epicyon	diabloensis	P3	V3310	Black Hawk Ranch
UCMP	V	95090	Mammalia	Carnivora	Canidae	Epicyon	diabloensis	P3	V3310	Black Hawk Ranch
UCMP	V	95091	Mammalia	Carnivora	Canidae	Epicyon	diabloensis	P1	V3310	Black Hawk Ranch
UCMP	V	95092	Mammalia	Carnivora	Canidae	Epicyon	diabloensis	P1	V3310	Black Hawk Ranch
UCMP	V	95093	Mammalia	Carnivora	Canidae	Epicyon	diabloensis	P1	V3310	Black Hawk Ranch
UCMP	V	95094	Mammalia	Carnivora	Canidae	Epicyon	diabloensis	P1	V3310	Black Hawk Ranch
UCMP	V	95095	Mammalia	Carnivora	Canidae	Epicyon	diabloensis	P4	V3310	Black Hawk Ranch
UCMP	V	95096	Mammalia	Carnivora	Canidae	Epicyon	diabloensis	M1	V3310	Black Hawk Ranch
UCMP	V	95097	Mammalia	Carnivora	Canidae	Epicyon	diabloensis	M1	V3310	Black Hawk Ranch
UCMP	V	95098	Mammalia	Carnivora	Canidae	Epicyon	diabloensis	M1	V3310	Black Hawk Ranch
UCMP	V	95099	Mammalia	Carnivora	Canidae	Epicyon	diabloensis	M1	V3310	Black Hawk Ranch
UCMP	V	95100	Mammalia	Carnivora	Canidae	Epicyon	diabloensis	M1	V3310	Black Hawk Ranch
UCMP	V	95101	Mammalia	Carnivora	Canidae	Epicyon	diabloensis	M2	V3310	Black Hawk Ranch
UCMP	V	95102	Mammalia	Carnivora	Canidae	Epicyon	diabloensis	C	V3310	Black Hawk Ranch
UCMP	V	95103	Mammalia	Carnivora	Canidae	Epicyon	diabloensis	C	V3310	Black Hawk Ranch
UCMP	V	95104	Mammalia	Carnivora	Canidae	Epicyon	diabloensis	M2	V3310	Black Hawk Ranch
UCMP	V	95105	Mammalia	Carnivora	Canidae	Epicyon	diabloensis	M2	V3310	Black Hawk Ranch
UCMP	V	95106	Mammalia	Carnivora	Canidae	Epicyon	diabloensis	P4	V3310	Black Hawk Ranch
UCMP	V	95107	Mammalia	Carnivora	Canidae	Epicyon	diabloensis	P3	V3310	Black Hawk Ranch
UCMP	V	95108	Mammalia	Carnivora	Canidae	Epicyon	diabloensis	M2	V3310	Black Hawk Ranch
UCMP	V	95109	Mammalia	Perissodac	Equidae	Nannippus	forcei	L P3/	V3310	Black Hawk Ranch
UCMP	V	95110	Mammalia	Perissodac	Equidae	Nannippus	forcei	/R I3	V3310	Black Hawk Ranch
UCMP	V	95111	Mammalia	Perissodac	Equidae	Nannippus	forcei	L M2/	V3310	Black Hawk Ranch
UCMP	V	95112	Mammalia	Perissodac	Equidae	Nannippus	forcei	R M2/	V3310	Black Hawk Ranch
UCMP	V	95113	Mammalia	Perissodac	Equidae	Nannippus	forcei	L M2/	V3310	Black Hawk Ranch
UCMP	V	95121	Mammalia	Carnivora	Canidae	Aelurodon			V3310	Black Hawk Ranch
UCMP	V	95122	Mammalia	Carnivora	Canidae	Aelurodon			V3310	Black Hawk Ranch
UCMP	V	95123	Mammalia	Carnivora	Canidae	Aelurodon			V3310	Black Hawk Ranch
UCMP	V	95124	Mammalia	Carnivora	Canidae	Aelurodon			V3310	Black Hawk Ranch
UCMP	V	95125	Mammalia	Carnivora	Canidae	Aelurodon			V3310	Black Hawk Ranch
UCMP	V	95126	Mammalia	Carnivora	Canidae	Aelurodon			V3310	Black Hawk Ranch
UCMP	V	95127	Mammalia	Carnivora	Canidae	Aelurodon			V3310	Black Hawk Ranch
UCMP	V	95128	Mammalia	Carnivora	Canidae	Aelurodon			V3310	Black Hawk Ranch
UCMP	V	95129	Mammalia	Carnivora	Canidae	Aelurodon			V3310	Black Hawk Ranch
UCMP	V	95130	Mammalia	Carnivora	Canidae	Aelurodon			V3310	Black Hawk Ranch
UCMP	V	95131	Mammalia	Carnivora	Canidae	Aelurodon			V3310	Black Hawk Ranch
UCMP	V	95132	Mammalia	Carnivora	Canidae	Aelurodon			V3310	Black Hawk Ranch
UCMP	V	95133	Mammalia	Carnivora	Canidae	Aelurodon			V3310	Black Hawk Ranch
UCMP	V	95134	Mammalia	Carnivora	Canidae	Aelurodon			V3310	Black Hawk Ranch
UCMP	V	95135	Mammalia	Carnivora	Canidae	Aelurodon			V3310	Black Hawk Ranch
UCMP	V	95136	Mammalia	Carnivora	Canidae	Aelurodon			V3310	Black Hawk Ranch
UCMP	V	95137	Mammalia	Carnivora	Canidae	Vulpes			V3310	Black Hawk Ranch
UCMP	V	95138	Mammalia	Carnivora	Felidae	Pseudaelurus			V3310	Black Hawk Ranch
UCMP	V	95139	Mammalia	Carnivora	Felidae	Nimravides			V3310	Black Hawk Ranch
UCMP	V	95140	Mammalia	Carnivora	Felidae	Nimravides			V3310	Black Hawk Ranch
UCMP	V	95141	Mammalia	Carnivora	Felidae	Nimravides			V3310	Black Hawk Ranch
UCMP	V	95142	Mammalia	Carnivora	Felidae	Sansanosmilus			V3310	Black Hawk Ranch
UCMP	V	95143	Mammalia	Carnivora	Canidae	Osteoborus			V3310	Black Hawk Ranch
UCMP	V	95144	Mammalia	Carnivora	Canidae	Osteoborus			V3310	Black Hawk Ranch
UCMP	V	95145	Mammalia	Carnivora	Canidae	Osteoborus			V3310	Black Hawk Ranch
UCMP	V	95146	Mammalia	Carnivora	Canidae	Osteoborus			V3310	Black Hawk Ranch
UCMP	V	95147	Mammalia	Carnivora	Canidae	Osteoborus			V3310	Black Hawk Ranch
UCMP	V	95148	Mammalia	Carnivora	Canidae	Osteoborus			V3310	Black Hawk Ranch
UCMP	V	95149	Mammalia	Carnivora	Canidae	Osteoborus			V3310	Black Hawk Ranch
UCMP	V	95150	Mammalia	Carnivora	Canidae	Osteoborus			V3310	Black Hawk Ranch
UCMP	V	95151	Mammalia	Carnivora	Canidae	Osteoborus			V3310	Black Hawk Ranch
UCMP	V	95152	Mammalia	Carnivora	Canidae	Osteoborus			V3310	Black Hawk Ranch
UCMP	V	95153	Mammalia	Carnivora	Canidae	Osteoborus			V3310	Black Hawk Ranch
UCMP	V	95154	Mammalia	Carnivora	Canidae	Osteoborus			V3310	Black Hawk Ranch
UCMP	V	95155	Mammalia	Carnivora	Canidae	Osteoborus			V3310	Black Hawk Ranch
UCMP	V	95156	Mammalia	Carnivora	Canidae	Osteoborus			V3310	Black Hawk Ranch
UCMP	V	95157	Mammalia	Carnivora	Canidae	Osteoborus			V3310	Black Hawk Ranch

UCMP	V	95158	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95159	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95160	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95161	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95162	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95163	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95164	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95165	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95166	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95167	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95168	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95169	Mammalia	Perissodac	Equidae	Pliohippus	V3310	Black Hawk Ranch
UCMP	V	95170	Mammalia	Perissodac	Equidae	Pliohippus	V3310	Black Hawk Ranch
UCMP	V	95171	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95172	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95173	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95174	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95175	Mammalia	Perissodac	Equidae	Pliohippus	V3310	Black Hawk Ranch
UCMP	V	95176	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95177	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95178	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95179	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95180	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95181	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95182	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95183	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95184	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95185	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95186	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95187	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95188	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95189	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95190	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95191	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95192	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95193	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95194	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95195	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95196	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95197	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95198	Mammalia	Perissodac	Equidae	Pliohippus	V3310	Black Hawk Ranch
UCMP	V	95199	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95200	Mammalia	Perissodac	Equidae	Pliohippus	V3310	Black Hawk Ranch
UCMP	V	95201	Mammalia	Perissodac	Equidae	Pliohippus	V3310	Black Hawk Ranch
UCMP	V	95202	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95203	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95204	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95205	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95206	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95207	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95208	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95209	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95210	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95211	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95212	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95213	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95214	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95215	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95216	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95217	Mammalia	Perissodac	Equidae	Pliohippus	V3310	Black Hawk Ranch
UCMP	V	95218	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95219	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95220	Mammalia	Perissodac	Equidae	Pliohippus	V3310	Black Hawk Ranch
UCMP	V	95221	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310	Black Hawk Ranch
UCMP	V	95222	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310	Black Hawk Ranch
UCMP	V	95223	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310	Black Hawk Ranch
UCMP	V	95224	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310	Black Hawk Ranch
UCMP	V	95225	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310	Black Hawk Ranch
UCMP	V	95226	Mammalia	Artiodactyl	Camelidae	Pliauchenia	V3310	Black Hawk Ranch
UCMP	V	95227	Mammalia	Artiodactyl	Camelidae	Pliauchenia	V3310	Black Hawk Ranch
UCMP	V	95228	Mammalia	Artiodactyl	Camelidae	Pliauchenia	V3310	Black Hawk Ranch
UCMP	V	95229	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310	Black Hawk Ranch
UCMP	V	95230	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310	Black Hawk Ranch
UCMP	V	95231	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310	Black Hawk Ranch

UCMP	V	95232	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310	Black Hawk Ranch
UCMP	V	95233	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310	Black Hawk Ranch
UCMP	V	95234	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310	Black Hawk Ranch
UCMP	V	95235	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310	Black Hawk Ranch
UCMP	V	95236	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310	Black Hawk Ranch
UCMP	V	95237	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310	Black Hawk Ranch
UCMP	V	95238	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310	Black Hawk Ranch
UCMP	V	95239	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310	Black Hawk Ranch
UCMP	V	95240	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310	Black Hawk Ranch
UCMP	V	95241	Mammalia	Carnivora	Felidae	Sansanosmilus	V3310	Black Hawk Ranch
UCMP	V	95242	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95243	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95244	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95245	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95246	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95247	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95248	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95249	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95250	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95251	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95252	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95253	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95254	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95255	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95256	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95257	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95258	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95259	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95260	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95261	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95262	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95263	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95264	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95265	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95266	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95267	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95268	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95269	Mammalia	Perissodac	Equidae	Pliohippus	V3310	Black Hawk Ranch
UCMP	V	95270	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95271	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95272	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95273	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95274	Mammalia	Perissodac	Equidae	Pliohippus	V3310	Black Hawk Ranch
UCMP	V	95275	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95276	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95277	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95278	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95279	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95280	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95281	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95282	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95283	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95284	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95285	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95286	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95287	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95288	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95289	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95290	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95291	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95292	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95293	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95294	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95295	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95296	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95297	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95298	Mammalia	Perissodac	Equidae	Pliohippus	V3310	Black Hawk Ranch
UCMP	V	95299	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95300	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95301	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310	Black Hawk Ranch
UCMP	V	95302	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310	Black Hawk Ranch
UCMP	V	95303	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310	Black Hawk Ranch
UCMP	V	95304	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310	Black Hawk Ranch
UCMP	V	95305	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310	Black Hawk Ranch

UCMP	V	95306	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310	Black Hawk Ranch
UCMP	V	95307	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310	Black Hawk Ranch
UCMP	V	95308	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310	Black Hawk Ranch
UCMP	V	95309	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310	Black Hawk Ranch
UCMP	V	95310	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310	Black Hawk Ranch
UCMP	V	95311	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310	Black Hawk Ranch
UCMP	V	95312	Mammalia	Carnivora	Canidae	Vulpes	V3310	Black Hawk Ranch
UCMP	V	95313	Mammalia	Carnivora	Canidae	Vulpes	V3310	Black Hawk Ranch
UCMP	V	95314	Mammalia	Carnivora	Canidae	Vulpes	V3310	Black Hawk Ranch
UCMP	V	95315	Mammalia	Carnivora	Canidae	Vulpes	V3310	Black Hawk Ranch
UCMP	V	95316	Mammalia	Carnivora	Canidae	Vulpes	V3310	Black Hawk Ranch
UCMP	V	95317	Mammalia	Carnivora	Canidae	Vulpes	V3310	Black Hawk Ranch
UCMP	V	95318	Mammalia	Carnivora	Canidae	Vulpes	V3310	Black Hawk Ranch
UCMP	V	95319	Mammalia	Carnivora	Canidae	Vulpes	V3310	Black Hawk Ranch
UCMP	V	95320	Mammalia	Carnivora	Canidae	Vulpes	V3310	Black Hawk Ranch
UCMP	V	95321	Mammalia	Carnivora	Canidae	Vulpes	V3310	Black Hawk Ranch
UCMP	V	95322	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95323	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95324	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95325	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95326	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95327	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95328	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95329	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95330	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95331	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95332	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95333	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95334	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95335	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95336	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95337	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95338	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95339	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95340	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95341	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95342	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95343	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95344	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95345	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95346	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95347	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95348	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95349	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95350	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95351	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95352	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95353	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95354	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95355	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95356	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95357	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95358	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95359	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95360	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95361	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95362	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95363	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95364	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95365	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95366	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95367	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95368	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95369	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95370	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95371	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95372	Mammalia	Carnivora	Canidae	Osteoborus	V3310	Black Hawk Ranch
UCMP	V	95373	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95374	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95375	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95376	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95377	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95378	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95379	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch

UCMP	V	95380	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95381	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95382	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95383	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95384	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95385	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95386	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95387	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95388	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95389	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95390	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95391	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95392	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95393	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95394	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95395	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95396	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95397	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95398	Mammalia	Perissodac	Equidae	Pliohippus	V3310	Black Hawk Ranch
UCMP	V	95399	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95400	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95401	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95402	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95403	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95404	Mammalia	Perissodac	Equidae	Pliohippus	V3310	Black Hawk Ranch
UCMP	V	95405	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95406	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95407	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95408	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95409	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95410	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95411	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95412	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95413	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95414	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95415	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95416	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95417	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95418	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95419	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95420	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95421	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95422	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95423	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95424	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95425	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95426	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95427	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95428	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95429	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95430	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95431	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95432	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95433	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95434	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95435	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95436	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95437	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95438	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95439	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95440	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95441	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95442	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95443	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95444	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95445	Mammalia	Perissodac	Equidae	Nannippus	V3310	Black Hawk Ranch
UCMP	V	95446	Mammalia	Artiodactyl	Camelidae	Pliauchenia	V3310	Black Hawk Ranch
UCMP	V	95447	Mammalia	Artiodactyl	Camelidae	Pliauchenia	V3310	Black Hawk Ranch
UCMP	V	95448	Mammalia	Artiodactyl	Camelidae	Pliauchenia	V3310	Black Hawk Ranch
UCMP	V	95449	Mammalia	Artiodactyl	Camelidae	Pliauchenia	V3310	Black Hawk Ranch
UCMP	V	95450	Mammalia	Artiodactyl	Camelidae	Pliauchenia	V3310	Black Hawk Ranch
UCMP	V	95451	Mammalia	Artiodactyl	Camelidae	Pliauchenia	V3310	Black Hawk Ranch
UCMP	V	95452	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310	Black Hawk Ranch
UCMP	V	95453	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310	Black Hawk Ranch

UCMP	V	95454	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95455	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95456	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95457	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95458	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95459	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95460	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95461	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95462	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95463	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95464	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95465	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95466	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95467	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95468	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95469	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95470	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95471	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95472	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95473	Mammalia	Artiodactyl	Camelidae	Pliauchenia	V3310 Black Hawk Ranch
UCMP	V	95474	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95475	Mammalia	Artiodactyl	Camelidae	Pliauchenia	V3310 Black Hawk Ranch
UCMP	V	95476	Mammalia	Artiodactyl	Camelidae	Pliauchenia	V3310 Black Hawk Ranch
UCMP	V	95477	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95478	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95479	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95480	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95481	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95482	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95483	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95484	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95485	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95486	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95487	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95488	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95489	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95490	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95491	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95492	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95493	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95494	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95495	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95496	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95497	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95498	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95499	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95500	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95501	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95502	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95503	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95504	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95505	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95506	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95507	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95508	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95509	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95510	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95511	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95512	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95513	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95514	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95515	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95516	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95517	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95518	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95519	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95520	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95525	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95526	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95527	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95528	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95529	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95530	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95531	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch

UCMP	V	95532	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95533	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95534	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95535	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95536	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95537	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95538	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95539	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95540	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95541	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95542	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95543	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95544	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95545	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95546	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95547	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95548	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95549	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95550	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95551	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95552	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95553	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95554	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95555	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95556	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95557	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95558	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95559	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95560	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95561	Mammalia	Artiodactyl	Camelidae	Procamelus	V3310 Black Hawk Ranch
UCMP	V	95562	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95563	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95564	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95565	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95566	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95567	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95568	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95569	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95570	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95571	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95572	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95573	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95574	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95575	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95576	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95577	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95578	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95579	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95580	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95581	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95582	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95583	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95584	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95585	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95586	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95587	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95588	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95589	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95590	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95591	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95592	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95593	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95594	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95595	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95596	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95597	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95598	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95599	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95600	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95601	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95602	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95603	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95604	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch
UCMP	V	95605	Mammalia	Artiodactyl	Antilocapr	Capromeryx	V3310 Black Hawk Ranch

UCMP	V	95606	Mammalia	Artiodactyl	Antilocapr	Capromeryx							V3310	Black Hawk Ranch
UCMP	V	95607	Mammalia	Artiodactyl	Antilocapr	Capromeryx							V3310	Black Hawk Ranch
UCMP	V	95608	Mammalia	Artiodactyl	Antilocapr	Capromeryx							V3310	Black Hawk Ranch
UCMP	V	95609	Mammalia	Artiodactyl	Antilocapr	Capromeryx							V3310	Black Hawk Ranch
UCMP	V	95610	Mammalia	Artiodactyl	Antilocapr	Capromeryx							V3310	Black Hawk Ranch
UCMP	V	95611	Mammalia	Artiodactyl	Antilocapr	Capromeryx							V3310	Black Hawk Ranch
UCMP	V	95612	Mammalia	Artiodactyl	Antilocapr	Capromeryx							V3310	Black Hawk Ranch
UCMP	V	95613	Mammalia	Artiodactyl	Antilocapr	Capromeryx							V3310	Black Hawk Ranch
UCMP	V	95614	Mammalia	Artiodactyl	Antilocapr	Capromeryx							V3310	Black Hawk Ranch
UCMP	V	95615	Mammalia	Artiodactyl	Antilocapr	Capromeryx							V3310	Black Hawk Ranch
UCMP	V	95616	Mammalia	Artiodactyl	Antilocapr	Capromeryx							V3310	Black Hawk Ranch
UCMP	V	95617	Mammalia	Artiodactyl	Antilocapr	Capromeryx							V3310	Black Hawk Ranch
UCMP	V	95618	Mammalia	Artiodactyl	Antilocapr	Capromeryx							V3310	Black Hawk Ranch
UCMP	V	95619	Mammalia	Artiodactyl	Antilocapr	Capromeryx							V3310	Black Hawk Ranch
UCMP	V	95620	Mammalia	Artiodactyl	Antilocapr	Capromeryx							V3310	Black Hawk Ranch
UCMP	V	95621	Mammalia	Artiodactyl	Antilocapr	Capromeryx							V3310	Black Hawk Ranch
UCMP	V	95622	Mammalia	Artiodactyl	Antilocapr	Capromeryx							V3310	Black Hawk Ranch
UCMP	V	95623	Mammalia	Artiodactyl	Antilocapr	Capromeryx							V3310	Black Hawk Ranch
UCMP	V	95624	Mammalia	Artiodactyl	Antilocapr	Capromeryx							V3310	Black Hawk Ranch
UCMP	V	95625	Mammalia	Artiodactyl	Antilocapr	Capromeryx							V3310	Black Hawk Ranch
UCMP	V	95626	Mammalia	Artiodactyl	Antilocapr	Capromeryx							V3310	Black Hawk Ranch
UCMP	V	95627	Mammalia	Artiodactyl	Antilocapr	Capromeryx							V3310	Black Hawk Ranch
UCMP	V	95628	Mammalia	Artiodactyl	Antilocapr	Capromeryx							V3310	Black Hawk Ranch
UCMP	V	95629	Mammalia	Artiodactyl	Antilocapr	Capromeryx							V3310	Black Hawk Ranch
UCMP	V	95630	Mammalia	Artiodactyl	Antilocapr	Capromeryx							V3310	Black Hawk Ranch
UCMP	V	95631	Mammalia	Artiodactyl	Antilocapr	Capromeryx							V3310	Black Hawk Ranch
UCMP	V	95977	Mammalia	Carnivora	Canidae	Canis						/L M1	V3310	Black Hawk Ranch
UCMP	V	95978	Mammalia	Carnivora	Mustelidae		Leptarctinae					/R P4	V3310	Black Hawk Ranch
UCMP	V	95979	Mammalia	Carnivora	Mustelidae		Leptarctinae					/R P4	V3310	Black Hawk Ranch
UCMP	V	95980	Mammalia	Carnivora	Felidae		Machairodontinae					/P2 OR P3	V3310	Black Hawk Ranch
UCMP	V	95981	Mammalia	Carnivora	Felidae		Machairodontinae						V3310	Black Hawk Ranch
UCMP	V	96505	Mammalia	Carnivora	Amphicyor	Ischyrocyon						METACARF	V3310	Black Hawk Ranch
UCMP	V	112183	Mammalia	Carnivora	Canidae		Caninae					/R M1	V3310	Black Hawk Ranch
UCMP	V	112184	Mammalia	Carnivora	Canidae		Caninae					/L M1	V3310	Black Hawk Ranch
UCMP	V	112185	Mammalia	Carnivora	Canidae		Caninae					/L M1	V3310	Black Hawk Ranch
UCMP	V	112186	Mammalia	Carnivora	Canidae		Caninae					/R M1	V3310	Black Hawk Ranch
UCMP	V	112187	Mammalia	Carnivora	Canidae	Metalopex	macconnelli		FIG	Tedford, R.H.+Wang, X.+Taylor, B		/R M1	V3310	Black Hawk Ranch
UCMP	V	112188	Mammalia	Carnivora	Canidae	Metalopex	macconnelli		FIG	Tedford, R.H.+Wang, X.+Taylor, B		R P4/	V3310	Black Hawk Ranch
UCMP	V	112189	Mammalia	Carnivora	Canidae		Caninae					R P4/	V3310	Black Hawk Ranch
UCMP	V	112190	Mammalia	Carnivora	Canidae		Caninae					L P4/	V3310	Black Hawk Ranch
UCMP	V	112191	Mammalia	Carnivora	Canidae	Metalopex	macconnelli		FIG	Tedford, R.H.+Wang, X.+Taylor, B		R M1/	V3310	Black Hawk Ranch
UCMP	V	112192	Mammalia	Carnivora	Canidae		Caninae					R M1 FRAG	V3310	Black Hawk Ranch
UCMP	V	112193	Mammalia	Carnivora	Canidae		Caninae					R M1 FRAG	V3310	Black Hawk Ranch
UCMP	V	112194	Mammalia	Carnivora	Canidae	Metalopex	macconnelli		FIG	Tedford, R.H.+Wang, X.+Taylor, B		L M2/	V3310	Black Hawk Ranch
UCMP	V	121889	Mammalia	Rodentia	Cricetidae	Ogmodont	sawrockensis					/RM1	V6869	Maxum
UCMP	V	123471	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					P	V3310	Black Hawk Ranch
UCMP	V	123472	Mammalia	Proboscide	Gomphoth	Gomphoth	productum					P2/	V3310	Black Hawk Ranch
UCMP	V	124834	Mammalia	Artiodactyl	Antilocapr	Capromeryx						L M2/	V3310	Black Hawk Ranch
UCMP	V	124835	Mammalia	Artiodactyl	Camelidae							L Ulna Fra	V3310	Black Hawk Ranch
UCMP	V	124836	Mammalia	Artiodactyl	Camelidae							L Pisiform	V3310	Black Hawk Ranch
UCMP	V	124837	Mammalia	Artiodactyl	Antilocapr	Capromeryx						/R M2	V3310	Black Hawk Ranch
UCMP	V	124838	Mammalia	Artiodactyl	Camelidae							Prox Phala	V3310	Black Hawk Ranch
UCMP	V	124839	Mammalia	Artiodactyl	Antilocapridae							Prox Phala	V3310	Black Hawk Ranch
UCMP	V	125012	Reptilia	Testudines	Emydidae	Emys	marmorata					SHELL,DEI	V3310	Black Hawk Ranch
UCMP	V	125281	Mammalia	Artiodactyl	Tayassuida	Woodburn	grenaderae		PUBL	Prothero, D.R.+Pollen, A. 2013. K		M2/	V3310	Black Hawk Ranch
UCMP	V	125282	Mammalia	Artiodactyl	Tayassuida	Prosthennops			PUBL	Prothero, D.R.+Pollen, A. 2013. K		M	V3310	Black Hawk Ranch
UCMP	V	125283	Mammalia	Artiodactyl	Tayassuida	Woodburn	grenaderae		PUBL	Prothero, D.R.+Pollen, A. 2013. K		left P4/	V3310	Black Hawk Ranch
UCMP	V	125284	Mammalia	Artiodactyl	Tayassuida	Prosthennops			PUBL	Prothero, D.R.+Pollen, A. 2013. K		M	V3310	Black Hawk Ranch
UCMP	V	125285	Mammalia	Artiodactyl	Tayassuida	Woodburn	grenaderae		PUBL	Prothero, D.R.+Pollen, A. 2013. K		left M2/	V3310	Black Hawk Ranch
UCMP	V	125286	Mammalia	Artiodactyl	Tayassuida	Woodburn	grenaderae		PUBL	Prothero, D.R.+Pollen, A. 2013. K		right M3/	V3310	Black Hawk Ranch
UCMP	V	125287	Mammalia	Artiodactyl	Tayassuida	Woodburn	grenaderae		PUBL	Prothero, D.R.+Pollen, A. 2013. K		left P4/	V3310	Black Hawk Ranch
UCMP	V	125288	Mammalia	Artiodactyl	Tayassuida	Prosthennops			PUBL	Prothero, D.R.+Pollen, A. 2013. K		P	V3310	Black Hawk Ranch
UCMP	V	125289	Mammalia	Artiodactyl	Tayassuida	Prosthennops			PUBL	Prothero, D.R.+Pollen, A. 2013. K		P	V3310	Black Hawk Ranch
UCMP	V	125290	Mammalia	Artiodactyl	Tayassuida	Woodburn	grenaderae		PUBL	Prothero, D.R.+Pollen, A. 2013. K		left P3/	V3310	Black Hawk Ranch
UCMP	V	125291	Mammalia	Artiodactyl	Tayassuida	Prosthennops						DP	V3310	Black Hawk Ranch
UCMP	V	125292	Mammalia	Artiodactyl	Tayassuida	Prosthennops			PUBL	Prothero, D.R.+Pollen, A. 2013. K		M3	V3310	Black Hawk Ranch
UCMP	V	125293	Mammalia	Artiodactyl	Tayassuida	Woodburnehyus			PUBL	Prothero, D.R.+Pollen, A. 2013. K		right P4/	V3310	Black Hawk Ranch
UCMP	V	126141	Mammalia	Perissodac	Equidae	Dinohippu	leardi		FIG	Kelly, T.S. 1998. NHMLAC Contrit		SKULL	V3310	Black Hawk Ranch
UCMP	V	126753	Mammalia	Lipotyphla	Talpidae	Scapanus			FIG	Hutchison, J.H. 1987. Contribs in		L M2/ FRA(	V6869	Maxum
UCMP	V	126754	Mammalia	Lipotyphla	Talpidae	Scapanus			FIG	Hutchison, J.H. 1987. Contribs in		R /M1	V6869	Maxum
UCMP	V	126755	Mammalia	Lipotyphla	Talpidae	Scapanus			FIG	Hutchison, J.H. 1987. Contribs in		L /M2	V6869	Maxum
UCMP	V	126756	Mammalia	Lipotyphla	Talpidae	Scapanus			PUBL	Hutchison, J.H. 1987. Contribs in		PROX SCA	V6869	Maxum
UCMP	V	126757	Mammalia	Lipotyphla	Talpidae	Scapanus			PUBL	Hutchison, J.H. 1987. Contribs in		HUMERUS	V6869	Maxum
UCMP	V	126758	Mammalia	Lipotyphla	Talpidae	Scapanus			PUBL	Hutchison, J.H. 1987. Contribs in		LUNAR	V6869	Maxum

UCMP	V	126759	Mammalia	Lipotyphla	Talpidae	Scapanus			PUBL	Hutchison, J.H. 1987. Contribs in	METACARF	V6869	Maxum		
UCMP	V	126760	Mammalia	Lipotyphla	Talpidae	Scapanus			PUBL	Hutchison, J.H. 1987. Contribs in	METACARF	V6869	Maxum		
UCMP	V	126761	Mammalia	Lipotyphla	Talpidae	Scapanus			PUBL	Hutchison, J.H. 1987. Contribs in	METACARF	V6869	Maxum		
UCMP	V	126762	Mammalia	Lipotyphla	Talpidae	Scapanus			PUBL	Hutchison, J.H. 1987. Contribs in	METACARF	V6869	Maxum		
UCMP	V	126763	Mammalia	Lipotyphla	Talpidae	Scapanus			PUBL	Hutchison, J.H. 1987. Contribs in	METACARF	V6869	Maxum		
UCMP	V	126764	Mammalia	Lipotyphla	Talpidae	Scapanus			PUBL	Hutchison, J.H. 1987. Contribs in	PROX PHA	V6869	Maxum		
UCMP	V	126765	Mammalia	Lipotyphla	Talpidae	Scapanus			PUBL	Hutchison, J.H. 1987. Contribs in	MANUS PR	V6869	Maxum		
UCMP	V	126766	Mammalia	Lipotyphla	Talpidae	Scapanus			PUBL	Hutchison, J.H. 1987. Contrib Sci	MANUS PR	V6869	Maxum		
UCMP	V	126767	Mammalia	Lipotyphla	Talpidae	Scapanus			PUBL	Hutchison, J.H. 1987. Contribs in	MANUS MI	V6869	Maxum		
UCMP	V	126768	Mammalia	Lipotyphla	Talpidae	Scapanus			PUBL	Hutchison, J.H. 1987. Contribs in	MANUS MI	V6869	Maxum		
UCMP	V	126769	Mammalia	Lipotyphla	Talpidae	Scapanus			PUBL	Hutchison, J.H. 1987. Contribs in	MANUS MI	V6869	Maxum		
UCMP	V	126770	Mammalia	Lipotyphla	Talpidae	Scapanus			PUBL	Hutchison, J.H. 1987. Contribs in	MANUS MI	V6869	Maxum		
UCMP	V	126771	Mammalia	Lipotyphla	Talpidae	Scapanus			PUBL	Hutchison, J.H. 1987. Contribs in	MANUS MI	V6869	Maxum		
UCMP	V	126772	Mammalia	Lipotyphla	Talpidae	Scapanus			PUBL	Hutchison, J.H. 1987. Contribs in	MANUS UN	V6869	Maxum		
UCMP	V	126773	Mammalia	Lipotyphla	Talpidae	Scapanus			PUBL	Hutchison, J.H. 1987. Contribs in	MANUS UN	V6869	Maxum		
UCMP	V	126774	Mammalia	Lipotyphla	Talpidae	Scapanus			PUBL	Hutchison, J.H. 1987. Contribs in	MANUS UN	V6869	Maxum		
UCMP	V	126775	Mammalia	Lipotyphla	Talpidae	Scapanus			PUBL	Hutchison, J.H. 1987. Contribs in	ASTRAGAL	V6869	Maxum		
UCMP	V	126776	Mammalia	Lipotyphla	Talpidae	Scapanus			PUBL	Hutchison, J.H. 1987. Contribs in	METATARS	V6869	Maxum		
UCMP	V	126777	Mammalia	Lipotyphla	Talpidae	Scapanus			PUBL	Hutchison, J.H. 1987. Contribs in	METATARS	V6869	Maxum		
UCMP	V	126778	Mammalia	Lipotyphla	Talpidae	Scapanus			PUBL	Hutchison, J.H. 1987. Contribs in	PES PHAL/	V6869	Maxum		
UCMP	V	128154	Mammalia	Perissodac	Equidae	Hipparion	forcei				L P/	V3310	Black Hawk Ranch		
UCMP	V	131045	Mammalia	Artiodactyl	Camelidae						DIST TIBIA	V3310	Black Hawk Ranch		
UCMP	V	131046	Mammalia	Artiodactyl	Camelidae						ULNA,RAD	V3310	Black Hawk Ranch		
UCMP	V	131047	Mammalia	Artiodactyl	Camelidae						ULNA,RAD	V3310	Black Hawk Ranch		
UCMP	V	131048	Mammalia	Artiodactyl	Camelidae						METAPODI	V3310	Black Hawk Ranch		
UCMP	V	131049	Mammalia	Artiodactyl	Camelidae						PROX FEM	V3310	Black Hawk Ranch		
UCMP	V	131615	Mammalia	Carnivora	Canidae	Borophagu	littoralis		PUBL	Wang, X, Tedford, R.H,+Taylor, B.	PARTIAL SI	V3310	Black Hawk Ranch		
UCMP	V	131616	Mammalia	Artiodactyl	Camelidae	Megatylopus					PROX. PH/	V3310	Black Hawk Ranch		
UCMP	V	131617	Mammalia	Proboscide	Gomphoth	Gomphoth	simpsoni				PREMOLAI	V3310	Black Hawk Ranch		
UCMP	V	131618	Mammalia	Proboscide	Gomphoth	Gomphoth	simpsoni				LP4/	V3310	Black Hawk Ranch		
UCMP	V	131619	Mammalia	Proboscide	Gomphoth	Gomphoth	simpsoni				/LP4	V3310	Black Hawk Ranch		
UCMP	V	131620	Mammalia	Proboscide	Gomphoth	Gomphoth	simpsoni				/LP3	V3310	Black Hawk Ranch		
UCMP	V	131621	Mammalia	Proboscide	Gomphoth	Gomphoth	simpsoni				PREMOLAI	V3310	Black Hawk Ranch		
UCMP	V	131622	Mammalia	Proboscide	Gomphoth	Gomphoth	simpsoni				/LP2	V3310	Black Hawk Ranch		
UCMP	V	131623	Mammalia	Proboscide	Gomphoth	Gomphoth	simpsoni				/LDP2	V3310	Black Hawk Ranch		
UCMP	V	131624	Mammalia	Proboscide	Gomphoth	Gomphoth	simpsoni				/LDP3	V3310	Black Hawk Ranch		
UCMP	V	131625	Mammalia	Proboscide	Gomphoth	Gomphoth	simpsoni				TUSK FRAC	V3310	Black Hawk Ranch		
UCMP	V	131626	Mammalia	Proboscide	Gomphoth	Gomphoth	simpsoni				LM2/	V3310	Black Hawk Ranch		
UCMP	V	131627	Mammalia	Proboscide	Gomphoth	Gomphoth	simpsoni				5 FOOTBO	V3310	Black Hawk Ranch		
UCMP	V	131628	Mammalia	Artiodactyl	Merycoido	Ustatocho	californicus				LM3/	V3310	Black Hawk Ranch		
UCMP	V	131629	Mammalia	Rodentia	Castoridae	Eucastor	lecontei				13 CHEEK	V3310	Black Hawk Ranch		
UCMP	V	131630	Aves								HUMERUS	V3310	Black Hawk Ranch		
UCMP	V	131631	Mammalia	Artiodactyl	Tayassuida	Prosthennops					P3/	V3310	Black Hawk Ranch		
UCMP	V	131632	Mammalia	Artiodactyl	Tayassuida	Prosthennops					WORN TO	V3310	Black Hawk Ranch		
UCMP	V	131633	Mammalia	Carnivora	Canidae	Osteoboru	diabloensis				CANINE AI	V3310	Black Hawk Ranch		
UCMP	V	131634	Mammalia	Carnivora	Canidae	Osteoboru	diabloensis				WORN PRI	V3310	Black Hawk Ranch		
UCMP	V	131635	Mammalia	Carnivora	Canidae	Osteoboru	diabloensis				RP3/	V3310	Black Hawk Ranch		
UCMP	V	131636	Mammalia	Carnivora	Canidae	Osteoboru	diabloensis				LM2/	V3310	Black Hawk Ranch		
UCMP	V	131637	Mammalia	Carnivora	Canidae	Osteoboru	diabloensis				/RM2	V3310	Black Hawk Ranch		
UCMP	V	131638	Mammalia	Carnivora	Canidae	Osteoboru	diabloensis				/LM2	V3310	Black Hawk Ranch		
UCMP	V	131639	Mammalia	Carnivora	Canidae	Osteoboru	diabloensis				/LM2	V3310	Black Hawk Ranch		
UCMP	V	131640	Mammalia	Carnivora	Canidae	Osteoboru	diabloensis				LP4-M1/	V3310	Black Hawk Ranch		
UCMP	V	131641	Mammalia	Carnivora	Canidae	Osteoboru	diabloensis				PREMOLAI	V3310	Black Hawk Ranch		
UCMP	V	131642	Mammalia	Carnivora	Canidae	Osteoboru	diabloensis				/RM1	V3310	Black Hawk Ranch		
UCMP	V	131643	Mammalia	Carnivora	Canidae	Osteoboru	diabloensis				LM1/	V3310	Black Hawk Ranch		
UCMP	V	131644	Mammalia	Carnivora	Canidae	Osteoboru	diabloensis				6 CANINES	V3310	Black Hawk Ranch		
UCMP	V	131645	Mammalia	Carnivora							DISTAL TIB	V3310	Black Hawk Ranch		
UCMP	V	131646	Mammalia	Artiodactyl	Antilocapr	Capromeryx					7 ASTRAG/	V3310	Black Hawk Ranch		
UCMP	V	131647	Mammalia	Artiodactyl	Antilocapr	Capromeryx					6 DISTAL H	V3310	Black Hawk Ranch		
UCMP	V	131648	Mammalia	Artiodactyl	Antilocapr	Capromeryx					DISTAL FEI	V3310	Black Hawk Ranch		
UCMP	V	131649	Mammalia	Artiodactyl	Antilocapr	Capromeryx					4 DISTAL M	V3310	Black Hawk Ranch		
UCMP	V	131650	Mammalia	Artiodactyl	Antilocapr	Capromeryx					3 DISTAL T	V3310	Black Hawk Ranch		
UCMP	V	131651	Mammalia	Artiodactyl	Antilocapr	Capromeryx					DENTARY \	V3310	Black Hawk Ranch		
UCMP	V	131652	Mammalia	Perissodac	Equidae	Hipparion	forcei				RM2/	V3310	Black Hawk Ranch		
UCMP	V	131653	Mammalia	Perissodac	Equidae	Hipparion	forcei				LM2/	V3310	Black Hawk Ranch		
UCMP	V	131654	Mammalia	Perissodac	Equidae	Hipparion	forcei				LM3/	V3310	Black Hawk Ranch		
UCMP	V	131655	Mammalia	Perissodac	Equidae	Hipparion	forcei				RP2/	V3310	Black Hawk Ranch		
UCMP	V	131656	Mammalia	Perissodac	Equidae	Hipparion	forcei				RM1/	V3310	Black Hawk Ranch		
UCMP	V	131657	Mammalia	Perissodac	Equidae	Neohipparion					RM3/	V3310	Black Hawk Ranch		
UCMP	V	131658	Mammalia	Perissodac	Equidae	Hipparion	forcei				LP2/	V3310	Black Hawk Ranch		
UCMP	V	131659	Mammalia	Perissodac	Equidae	Hipparion	forcei				M1/	V3310	Black Hawk Ranch		
UCMP	V	131660	Mammalia	Perissodac	Equidae	Hipparion	forcei				RP4/	V3310	Black Hawk Ranch		
UCMP	V	131661	Mammalia	Perissodac	Equidae	Hipparion	forcei				RP3-M2/	V3310	Black Hawk Ranch		
UCMP	V	131662	Mammalia	Perissodac	Equidae	Hipparion	forcei				LP3/	V3310	Black Hawk Ranch		

UCMP	V	131663	Mammalia	Perissodac	Equidae	Hipparion	forcei						LM3/	V3310	Black Hawk Ranch
UCMP	V	131664	Mammalia	Perissodac	Equidae	Hipparion	forcei						LM1/	V3310	Black Hawk Ranch
UCMP	V	131666	Mammalia	Artiodactyl	Antilocapr	Capromeryx							10 M2/	V3310	Black Hawk Ranch
UCMP	V	131667	Mammalia	Artiodactyl	Antilocapr	Capromeryx							/9 M2	V3310	Black Hawk Ranch
UCMP	V	131668	Mammalia	Artiodactyl	Antilocapr	Capromeryx							13 M1/	V3310	Black Hawk Ranch
UCMP	V	131669	Mammalia	Artiodactyl	Antilocapr	Capromeryx							14 RM3/	V3310	Black Hawk Ranch
UCMP	V	131670	Mammalia	Artiodactyl	Antilocapr	Capromeryx							6 LM3/	V3310	Black Hawk Ranch
UCMP	V	131671	Mammalia	Artiodactyl	Antilocapr	Capromeryx							6 PHALAN	V3310	Black Hawk Ranch
UCMP	V	131672	Mammalia	Artiodactyl	Antilocapr	Capromeryx							5 DENTAR	V3310	Black Hawk Ranch
UCMP	V	131673	Mammalia	Artiodactyl	Camelidae	Megatylopus							TIBIA	V3310	Black Hawk Ranch
UCMP	V	132038	Reptilia	Testudines	Emydidae	Actinemys	marmorata						SHELL FRA	V6869	Maxum
UCMP	V	132042	Reptilia	Testudines	Emydidae	Actinemys	marmorata						SHELL FRA	V3310	Black Hawk Ranch
UCMP	V	132065	Reptilia	Testudines	Testudinid	Geochelone							COSTAL FI	V3310	Black Hawk Ranch
UCMP	V	134812	Mammalia	Proboscide	Gomphoth	Gomphoth	productum						ASTRAGAL	V3310	Black Hawk Ranch
UCMP	V	134813	Mammalia	Proboscide	Gomphoth	Gomphoth	productum						CARPAL	V3310	Black Hawk Ranch
UCMP	V	138277	Mammalia	Carnivora	Canidae	Aelurodon	haydeni						metatarsa	V3310	Black Hawk Ranch
UCMP	V	138278	Mammalia	Carnivora	Canidae	Aelurodon	haydeni						metatarsa	V3310	Black Hawk Ranch
UCMP	V	138279	Mammalia	Carnivora	Felidae								lower pren	V3310	Black Hawk Ranch
UCMP	V	138280	Mammalia	Carnivora	Felidae								M/1	V3310	Black Hawk Ranch
UCMP	V	138281	Mammalia	Carnivora	Felidae	Machairodus							radius	V3310	Black Hawk Ranch
UCMP	V	138282	Mammalia	Carnivora	Felidae	Machairodus							phalanx	V3310	Black Hawk Ranch
UCMP	V	138283	Mammalia	Carnivora	Canidae	Aelurodon							podial	V3310	Black Hawk Ranch
UCMP	V	138284	Mammalia	Carnivora	Canidae	Aelurodon							cuboid	V3310	Black Hawk Ranch
UCMP	V	138285	Mammalia	Carnivora	Canidae	Aelurodon							metapodia	V3310	Black Hawk Ranch
UCMP	V	138286	Mammalia	Carnivora	Canidae	Aelurodon							premolar	V3310	Black Hawk Ranch
UCMP	V	138287	Mammalia	Carnivora	Canidae	Aelurodon							molar	V3310	Black Hawk Ranch
UCMP	V	138288	Mammalia	Carnivora	Canidae	Aelurodon	taxoides						R P/3	V3310	Black Hawk Ranch
UCMP	V	138334	Mammalia	Perissodac	Equidae			Hipparionini					L Mc II	V3310	Black Hawk Ranch
UCMP	V	138727	Mammalia	Lipotyphla	Talpidae	Scapanus	mesolatimanus		TYPE				L dentary v	V91216	Timbercreek
UCMP	V	138728	Mammalia	Rodentia	Sciuridae				PUBL				R prox fem	V91216	Timbercreek
UCMP	V	138729	Mammalia	Artiodactyl	Camelidae				PUBL				lumbar ver	V91216	Timbercreek
UCMP	V	140267	Mammalia	Artiodactyl	Camelidae								dist humer	V3310	Black Hawk Ranch
UCMP	V	151783	Reptilia	Testudines	Testudinid	Hesperotestudo							xiphiplastr	V3310	Black Hawk Ranch
UCMP	V	152672	Mammalia	Artiodactyl	Camelidae	Procamelus							patella	V3310	Black Hawk Ranch
UCMP	V	152673	Mammalia	Artiodactyl	Camelidae	Procamelus							unciform	V3310	Black Hawk Ranch
UCMP	V	152674	Mammalia	Artiodactyl	Camelidae	Procamelus							pisiform	V3310	Black Hawk Ranch
UCMP	V	152675	Mammalia	Artiodactyl	Antilocapr	Capromeryx							molar	V3310	Black Hawk Ranch
UCMP	V	152676	Mammalia	Artiodactyl	Antilocapr	Capromeryx							astragalus	V3310	Black Hawk Ranch
UCMP	V	153858	Mammalia	Perissodac	Equidae	Hipparion	forcei						L Upper Ch	V3310	Black Hawk Ranch
UCMP	V	153859	Mammalia	Perissodac	Equidae	Hipparion	forcei						L Upper Ch	V3310	Black Hawk Ranch
UCMP	V	153860	Mammalia	Perissodac	Equidae	Hipparion	forcei						Protocone	V3310	Black Hawk Ranch
UCMP	V	189627	Mammalia	Artiodactyl	Camelidae	Megatylopus			PUBL	Feranec and MacFadden. 2006. F			m2	V3310	Black Hawk Ranch
UCMP	V	189628	Mammalia	Artiodactyl	Camelidae	Megatylopus			PUBL	Feranec and MacFadden. 2006. F			m2	V3310	Black Hawk Ranch
UCMP	V	189629	Mammalia	Artiodactyl	Camelidae	Megatylopus			PUBL	Feranec and MacFadden. 2006. F			m2	V3310	Black Hawk Ranch
UCMP	V	189630	Mammalia	Artiodactyl	Camelidae	Megatylopus			PUBL	Feranec and MacFadden. 2006. F			m2	V3310	Black Hawk Ranch
UCMP	V	189631	Mammalia	Artiodactyl	Camelidae	Procamelus			PUBL	Feranec and MacFadden. 2006. F			m2	V3310	Black Hawk Ranch
UCMP	V	189632	Mammalia	Artiodactyl	Camelidae	Procamelus			PUBL	Feranec and MacFadden. 2006. F			m2	V3310	Black Hawk Ranch
UCMP	V	189633	Mammalia	Artiodactyl	Camelidae	Procamelus			PUBL	Feranec and MacFadden. 2006. F			m2	V3310	Black Hawk Ranch
UCMP	V	189634	Mammalia	Artiodactyl	Camelidae	Procamelus			PUBL	Feranec and MacFadden. 2006. F			M2	V3310	Black Hawk Ranch
UCMP	V	189635	Mammalia	Artiodactyl	Camelidae	Procamelus			PUBL	Feranec and MacFadden. 2006. F			M2	V3310	Black Hawk Ranch
UCMP	V	189636	Mammalia	Artiodactyl	Camelidae	Procamelus			PUBL	Feranec and MacFadden. 2006. F			M2	V3310	Black Hawk Ranch
UCMP	V	189637	Mammalia	Artiodactyl	Camelidae	Procamelus			PUBL	Feranec and MacFadden. 2006. F			M2	V3310	Black Hawk Ranch
UCMP	V	189638	Mammalia	Artiodactyl	Antilocapr	Capromeryx			PUBL	Feranec and MacFadden. 2006. F			m3	V3310	Black Hawk Ranch
UCMP	V	189639	Mammalia	Artiodactyl	Antilocapr	Capromeryx			PUBL	Feranec and MacFadden. 2006. F			m3	V3310	Black Hawk Ranch
UCMP	V	189640	Mammalia	Artiodactyl	Antilocapr	Capromeryx			PUBL	Feranec and MacFadden. 2006. F			m3	V3310	Black Hawk Ranch
UCMP	V	189641	Mammalia	Artiodactyl	Antilocapr	Capromeryx			PUBL	Feranec and MacFadden. 2006. F			M3	V3310	Black Hawk Ranch
UCMP	V	189642	Mammalia	Artiodactyl	Antilocapr	Capromeryx			PUBL	Feranec and MacFadden. 2006. F			M3	V3310	Black Hawk Ranch
UCMP	V	189643	Mammalia	Artiodactyl	Antilocapr	Capromeryx			PUBL	Feranec and MacFadden. 2006. F			M3	V3310	Black Hawk Ranch
UCMP	V	189644	Mammalia	Artiodactyl	Camelidae	Megatylopus			PUBL	Feranec and MacFadden. 2006.	Paleobiology			V3310	Black Hawk Ranch
UCMP	V	192610	Mammalia	Carnivora	Canidae	Aelurodon	taxoides						left p/2	V3310	Black Hawk Ranch
UCMP	V	192633	Mammalia	Carnivora									r m/2	V3310	Black Hawk Ranch
UCMP	V	192634	Mammalia	Carnivora									right m/2	V3310	Black Hawk Ranch
UCMP	V	192635	Mammalia	Carnivora									lower pren	V3310	Black Hawk Ranch
UCMP	V	192636	Mammalia	Carnivora	Canidae	Borophagu	littoralis						partial r P4	V3310	Black Hawk Ranch
UCMP	V	192637	Mammalia	Carnivora	Canidae								r p/4	V3310	Black Hawk Ranch
UCMP	V	192638	Mammalia	Carnivora	Canidae								m/1? frag	V3310	Black Hawk Ranch
UCMP	V	192639	Mammalia	Carnivora	Canidae								p/3 or p/4	V3310	Black Hawk Ranch
UCMP	V	258226	Mammalia	Proboscide	Gomphoth	Gomphotherium							Left m3	V3310	Black Hawk Ranch
UCMP	V	399800	Mammalia	Rodentia	Muridae	Peromyscus							molar	V6869	Maxum
UCMP	V	557573	Mammalia										bone fragn	V3310	Black Hawk Ranch
UCMP	V	557574	Mammalia	Perissodac	Equidae	Pliohippus	leardi						partial astr	V3310	Black Hawk Ranch
UCMP	V	557575	Mammalia	Artiodactyla		Capromeryx							astragalus	V3310	Black Hawk Ranch
UCMP	V	557576	Mammalia	Perissodactyla									tooth fragn	V3310	Black Hawk Ranch
UCMP	V	557577	Mammalia	Artiodactyla		Prosthenops							Lower m3,	V3310	Black Hawk Ranch

UCMP	V	557578		V3310	Black Hawk Ranch

THIS PAGE INTENTIONALLY LEFT BLANK