

**FAUNAL FIELD/LAB CODES**  
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 (Adapted from M.E. Hill, M.C. Stiner)

**IDENTIFICATION**

CLASS:	ITEM CLASS	ELEM:	ELEMENT OR ARTIFACT TYPE
POR:	PORTION OF ELEMENT	SEG:	SEGMENT OF PORTION
SMIS:	SEGMENT OF PORTION MISSING (FOR SUBCOMPLETE PORTIONS)		
SD:	SIDE (RIGHT, LEFT, UNKNOWN, AXIAL)		
CT:	COUNT (NUMBER OF SPECIMENS CODED)		
MS:	MASS (GRAMS) OF SPECIMENS		
MLN:	MAXIMUM LENGTH (MM)		
ID ASS:	IDENTIFICATION BY ASSOCIATION (DRIVER 2011)		

**EPIPHYSEAL FUSION**

PFUS:	PROXIMAL END FUSION STAGE
DFUS:	DISTAL END FUSION STAGE
0:	UNFUSED
1:	PARTIALLY FUSED
2:	FUSED (LINE VISIBLE)
3:	COMPLETELY FUSED
4:	SURFACE OBSTRUCTED/NOT RECORDED
5:	ELEMENT DOES NOT HAVE EPIPHYSEAL FUSION
6:	WOVEN BONE TISSUE (IMMATURE)
7:	PERINATE (FOETUS OR NEONATE)

**SUBAERIAL WEATHERING**

<u>STAGE</u>	<u>COMPACT (TODD 1987)</u>	<u>CORTICAL (BEHRENSMEYER 1978)</u>
0	UNWEATHERED, FATTY	UNWEATHERED, FATTY
1	NO SURFACE CRACKING	UNWEATHERED, DRY
2	SOME CRACKING	SOME LONGITUDINAL CRACKS
3	>50% OF ART. SURFACE INTACT	LIGHT SURFACE FLAKING, DEEP CRACKS
4	<50% OF ART. SURFACE INTACT	SOME FIBROUS BONE, MODERATE FLAKING
5	NO ART. SURFACE INTACT	DEEP CRACKING, EXTENSIVE FLAKING
6	LARGE AREAS OF FIBROUS BONE	BONE FALLING APART
SO	SURFACE OBSTRUCTED/NOT RECORDED	

**GNAWING**

N:	NONE	R:	RODENT
CN:	CHANNELING/FURROWING	SC:	SCOOPING
CH:	CHIPPING/CRENULATED EDGE	IF:	INSECT FURROW/PUPATION CHAMBERS
P:	PUNCTURE	DI:	DIGESTIVE CORROSION
SR:	SALIVARY ROUNDING		
SO:	SURFACE OBSTRUCTED/NOT RECORDED		

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### BURNING

BRN: DEGREE OF BURNING (SEE STINER ET AL 1995)  
BRNLOC: LOCATION/REGION OF BURNING

N: NONE (NO COLOR CHANGE)  
1: SLIGHT (LOCALIZE <HALF CARBONIZED)  
2: LIGHT BURNED (>HALF CARBONIZED)  
3: FULLY CARBONIZED (COMPLETELY BLACK)  
4: LOCALIZED (<HALF CALCINED; MORE BLACK THAN WHITE)  
5: >HALF CALCINED (MORE WHITE THAN BLACK)  
6: FULLY CALCINED (COMPLETELY WHITE)  
SO: SURFACE OBSTRUCTED/NOT RECORDED

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### ROOT ETCHING

ROOT: PERCENT OF EXTERIOR SURFACE COVERED BY ROOTLET ETCHING

0: 0% OF SURFACE AREA COVERED  
25: 1-25% OF SURFACE AREA COVERED  
50: 26-50% OF SURFACE AREA COVERED  
75: 51-75% OF SURFACE AREA COVERED  
100: 76-100% OF SURFACE AREA COVERED  
SO: SURFACE OBSTRUCTED/NOT RECORDED

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### BONE BREAKAGE

N: NONE  
G: GREEN (SPIRAL)  
I: INTERMEDIATE (COMBO OF G AND D)

UNK: UNKNOWN  
M: MODERN  
SO: SURFACE OBSTRUCTED/NOT RECORDED

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### HUMANLY INDUCED IMPACTS

IMP: NUMBER OF IMPACTS (LOADING PINT/IMPACT CONES) PER REGION (USE MULTIPLE IMP CATEGORIES, IF NECESSARY)  
IMP1LOC: LOCATION/REGION OF IMPACT AREA 1 (RECORD ON COMPOSITE ILLUSTRATION)

M: MODERN IMPACT DAMAGE  
NEG: NEGATIVE IMPACT SCAR (ANVIL DAMAGE)  
IMF: IMPACT CONE FLAKE (FLAKE PRODUCED BY IMPACT)  
UNK: UNKNOWN OR SURFACE OBSTRUCTED (NOT RECORDED)  
SO: SURFACE OBSTRUCTED/NOT RECORDED

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### HUMAN BUTCHERY AND OTHER STRIATIONS

BUT: NUMBER OF CUTMARKS PER REGION (USE MULTIPLE CATEGORIES, IF NECESSARY)  
BUT1LOC: LOCATION/REGION OF BUTCHERY AREA 1 (RECORD ON COMPOSITE ILLUSTRATION)

BUTLEN: LENGTH OF BUTCHERY MARK (LIST INDIVIDUAL, IF POSSIBLE)  
BUTORT: ORIENTATION OF BUTCHERY MARK (PERPENDICULAR, AXIAL, OBLIQUE (P, A, O) – TO MAIN AXIS)

C: CUTMARKS PRESENT, BUT NOT COUNTED  
CC: CHATTERING CUT (METAL SCAPPING)  
CH: CHOPMARK (DEEP GOUGE)  
M: MODERN STRIATIONS/CUTMARKS  
STR: BONE TOOL USEWEAR STRIATIONS (SUCH AS SCAPULA HOE)  
TR: TRAMPLING DAMAGE  
SC: SCRAPPING (LONGITUDINAL, WIDE STRIATION)  
SW: SAW MARKS/CUT BONE

### MATERIAL/SPECIES CLASS CODES

ID. ASS: IDENTIFICATION BY ASSOCIATION (CF. DRIVER 2011)

ACD: TEAL (ANAS CRECCA/DISCORS)	GS: UNIDENTIFIED GASTROPOD
ALC: ALCES (MOOSE)	LAG: PTARMIGAN (LAGOPUS SP.)
ANA: DUCK (ANAS SP.)	LEP: HARE (LEPUS SP.)
ANB: BIG DUCK (ANAS/AYTHYA/CLANGULA/ HISTRIONICUS/MELANITTA/MERGUS)	LGP: WILLOW PTARMIGAN (LAGOPUS LAGOPUS)
ANS: SMALL DUCK (ANAS/AYTHYA/ BUCEPHALA)	LPA: SNOWSHOE HARE (LEPUS AMERICANUS)
ASB: GOOSE (ANSER/BRANTA/CHEN)	LPL: ARCTIC HARE (LEPUS (LEPUS))
AVA: UNIDENTIFIED AVIAN ANSERIFORMES (WATERFOWL)	MIC: VOLE (MICROTUS/CLETHRIONOMYS)
BIS: BISON	MOE: MICROTUS OECONOMUS
BRA: CANADA GOOSE (BRANTA CANADENSIS)	MTP: WOOLLY MAMMOTH (MAMMUTHUS PRIMIGENIUS)
CLE: CLETHRIONOMYS	MXG: MICROTUS XANTHOGNATHUS
CV: UNIDENTIFIED CERVID	OVI: SHEEP (OVIS)
CVC: ELK (CERVUS CANADENSIS)	RAN: CARIBOU (RANGIFER TARANDUS)
CYG: SWAN (CYGNUS)	URP: UROCITELLUS PARRYI
ELK: ELK (CERVUS CANADENSIS)	UN: UNIDENTIFIED
EQU: HORSE (EQUUS)	ZAP: JUMPING MOUSE (ZAPUS SP.)

MAM1: MAMMAL SIZE CLASS 1  
AVE1: BIRD SIZE CLASS 1

### SKELETAL ELEMENT CODES (ADAPTED FROM TODD 1987, STINER 2004)

#### CRANIUM

CRN: CRANIUM	HYO: HYOID
MDB: MANDIBLE	HSH: HORN SHEATH
ANT: ANTLER	

#### TEETH

9_ _ _	DECIDUOUS TOOTH
100	FROM UPPER JAW
200	FROM LOWER JAW
300	DENTAL POSITION UNKNOWN
_10	INCISOR (TYPE UNKNOWN)
_11	FIRST INCISOR

\_12 SECOND INCISOR  
 \_13 THIRD INCISOR  
 \_20 CANINE  
 \_30 PREMOLAR (TYPE UNKNOWN)  
 \_31 FIRST PREMOLAR  
 \_32 SECOND PREMOLAR  
 \_33 THIRD PREMOLAR  
 \_34 FOURTH PREMOLAR  
 \_40 MOLAR (TYPE UNKNOWN)  
 \_41 FIRST MOLAR  
 \_42 SECOND MOLAR  
 \_43 THIRD MOLAR  
 \_50 PREMOLAR OR MOLAR (TYPE UNKNOWN)

**AXIAL SKELTON**

ATL: ATLAS VERTEBRA	SAC: COMPLETE SACRUM
AXS: AXIS VERTEBRA	CTC: COASTAL CARTILAGE
CER: CERVICAL VERTEBRA	STN: STERNAL ELEMENT
THV: THORACIC VERTEBRA	ZYP: ZYPHOID
LMV: LUMBAR VERTEBRA	MNB: MANUBRIUM
SCV: SACRAL VERTEBRA	RIB: RIB
CDV: CAUDAL VERTEBRA	VT: UNIDENTIFIED VERTEBRA
BAC: BACCULUM	

**APPENDICULAR SKELTON-FORLIMB**

SCA: SCAPULA	CP: UNIDENTIFIED CARPAL
HUM: HUMERUS	RAD: RADIUS
CPMA: MAGNUM	CPUN: UNCIFORM
ULN: ULNA	CPLU: LUNATE
RDU: RADIUS-ULNA UNIT	CPSC: SCAPHOID
MC#: METACARPAL (#: NUMBER, X= UNKNOWN, 34= CANON)	FUR: FURCULA
CRC: CORACOID	

**APPENDICULAR SKELETON-HINDLIMBS**

INM: INNOMINATE	CAL: CALCANEOS
FEM: FEMUR	AST: ASTRAGALUS
PAT: PATELLA	NAV: NAVICULOCUBOID
TBA: TIBIA	TRMC: MIDDLE CUNEIFORM
FIB: FIBULA	TREC: EXTERNAL CUNEIFORM
TBF: TIBIOFIBULA	TR: UNIDENTIFIED TARSAL
MT#: METATARSAL (#: NUMBER, X= UNKNOWN, 34= CANON)	
CUB: CUBOID	PPH: POSTERIOR PHALANX (AVES)
TMT: TARSOMETATARSUS	TBT: TIBIOTARSUS

**APPENDICULAR SKELETON-OTHER**

PHP: PROXIMAL PHALANGE	SEP: PROXIMAL SESAMOID
PHM: MESIAL PHALANGE	SED: DISTAL SESAMOID
PHD: DISTAL PHALANGE	SEU: UNIDENTIFIEDSESAMOID
PHU: UNIDENTIFIED PHALANGE	MP: METAPODIAL

**FRAGMENTS**

LBU: LONG BONE SHAFT	SBU: SPONGEY BONE
FBU: FLAT BONE	CBU: COMPACT BONE

**PORTION CODES**

## LONG BONE AND GENERAL CODES

CO:	COMPLETE	SCO:	SUBCOMPLETE (FILL SEGMS)
DSE:	DISTAL EPIPHYSIS	DF:	DIAPHYSIS
PR:	PROXIMAL END	DDS:	DISTAL DIAPHYSIS
PRS:	PROXIMAL + LESS SHAFT	DPR:	PROXIMAL DIAPHYSIS
PSH:	PROXIMAL + MORE SHAFT	DFP:	DIAPHYSIS + PROXIMAL EPIP.
DFD:	DIAPHYSIS + DISTAL EPIP.	DSS:	DISTAL + LESS SHAFT
DS:	DISTAL END	BL:	BLADE OF RIB OR SCAPULA
DSH:	DISTAL MORE SHAFT	PRE:	PROXIMAL EPIPHYSIS
HB:	HALF BLADE OF RIB	US:	UNSPECIFIED PORTION
HE:	HEAD	EP:	EPIPHYSIS
CDL:	CONDYLE	SH:	PARTIAL DIAMETER OF SHAFT
CRT:	CORTICAL BONE	CRO:	CROWN
TUB:	COMPLETE DIAMETER OF SHAFT		
ROO:	ROOT		

## CRANIUM

NSL:	NASAL	FRN:	FRONTAL
PAR:	PARIETAL	ORB:	ORBIT
ZGO:	ZYGOMATIC	MAX:	MAXILLA
PMX:	PREMAXILLA	HRC:	HORN CORE
PAL:	PALATINE	LAC:	LACRIMAL
MAL:	MALAR	OCD:	OCCIPITAL CONDYLE
PMP:	PARAMASTOID PROCESS	PET:	PETROUS (AUDITORY BULLA)
SKR:	SKULL ROOF (FRN + HRC)	BRC:	BRAINCASE (FRN + OCC)
TMP:	TEMPORAL	OCB:	BASILAR PART OF OCCIPITAL
SKU:	UNID. SKULL FRAGMENTS	OCC:	OCCIPITAL
SOF:	SUPRAORBITAL FORAMEN	SOG:	SUPRAORBITAL GROOVE
FPT:	FRN + PAR + TMP	STU:	SUTURE
SPL:	SPLANCHNOCRANIUM		

## MANDIBLE

CP:	CORONOID PROCESS	ANG:	ANGLE
CND:	MANDIBULAR CONDYLE	PHR:	POSTERIOR HORIZONTAL RAMUS (P. M3)
MF:	MENTAL FOREMEN (LATERAL)	ASR:	ASCENDING RAMUS
MDF:	MANDIBULAR FORAMEN (MEDIAL)	BDR:	BORDER (VENTRAL)
MDN:	MANDIBULAR NOTCH	AHR:	ANTERIOR HORIZONTAL RAMUS (A. P2)
TTW:	TOOTH ROW (RECORD TEETH SEPARATELY)	SYM:	SYMPHYSIS

## HYOID

ANG:	ANGLE	BOD:	BODY
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## SCAPULA

GN:	GLENOID CAVITY	AC:	ACROMION
GNB:	GLENOID + BLADE FRAGMENT	TS:	TUBER SCAUPLAE
SP:	SPINE FRAGMENT	PB:	POSTERIOR BORDER
AB:	ANTERIOR BORDER	CP:	CORACOID PROCESS
NE:	NECK	NF:	NUTRIENT FORAMEN
MSB:	MED. SUPERIOR BORDER	MIB:	MED. INFERIOR BORDER
DSB:	DISTAL SUPERIOR BORDER	DIB:	DISTAL INFERIOR BORDER
GS:	GLENOID + >1/2 BLADE		

## HUMERUS

MET:	MEDIAL TUBERCLE	LAT:	LATERAL TUBERCLE
IFT:	INFRASPINATUS TENDON	HE:	HEAD

NK:	NECK	DT:	DELTOID TUBEROSITY
TM:	TERES TUBEROSITY	NF:	NUTRIENT FORAMEN
RF:	RADIAL FOSSA	MEC:	MEDIAL EPICONDYLE
LEC:	LATERAL EPICONDYLE	MC:	MEDIAL CONDYLE
LC:	LATERAL CONDYLE	OF:	OLECRANON FOSSA
TRO:	TROCHLEA		

RADIUS

MGC:	MEDIAL GLENOID CAVITY	LGC:	LATERAL GLENOID CAVITY
NF:	NUTRIENT FORAMEN	DSU:	DISTAL SUTURE
RCF:	RADIAL CARPAL FACET	ICF:	INTERNAL CARPAL FACET
RDT:	RADIAL TUBEROSITY		

ULNA

PE:	PROXIMAL EPIPHYSIS	OLC:	OLECRANON
ANC:	ANCONIAL (SEMILUNAR NOTCH)	AF:	ARTICULAR FACET
NF:	NUTRIENT FORAMEN	MID:	MIDSHAFT
SP:	STYLOID PROCESS	TRN:	TROCHLEAR NOTCH

METACARPAL

CPF:	CPF FACET	CPS:	CPS FACET
PAF:	PROX. ANTERIOR FORAMEN	PF:	POSTERIOR FORAMEN
DAF:	DIST. ANTERIOR FORAMEN	LC:	LATERAL CONDYLE
MC:	MEDIAL CONDYLE		

INNOMINATE

IL:	ILIUM	ACS:	AC + IS	ILD:	CAUDAL IL
IS:	ISCHIUM	ACL:	AC + IL	ISC:	CRANIAL IS
PB:	PUBIS	ACP:	AC + PB	ISD:	CAUDAL IS
AC:	ACETABULUM	ILC:	CRANIAL IL	PBS:	PUBIS SYMPHYSIS
SCT:	SACRAL TUBER (IL)	IST:	ISCHIATIC TUBER (IS)	CXT:	COXAL TUBER (IL)

FEMUR

MJ:	TROCHANTER MAJOR	HD:	HEAD
TFO:	TROCHANTER MINOR	LA:	LINEAR ASPERA
NF:	NUTRIENT FORAMEN	SF:	SUPRACONYLOID FOSSA
LEC:	LATERAL EPICONDYLE	MEC:	MEDIAL EPICONDYLE
MC:	MEDIAL CONDYLE	LC:	LATERAL CONDYLE
ICF:	INTERCONDYLOID FOSSA	TRO:	TROCHLEA (PATELLA)
NK:	NECK		

TIBIA

MC:	MEDIAL CONDYLE	LC:	LATERAL CONDYLE
TB:	TIBIAL TUBEROSITY	CST:	CREST (PROX)
NF:	NUTRIENT FORAMEN	PPL:	POLITEAL LINES
ML:	MUSCULAR LINES	MM:	MEDIAL MALLEOLUS
LM:	LATERAL MALLEOLUS	TAC:	TIBIAL CREST

CALCANEOS

TC:	TUBER CALCIS	ST:	SUSTEN TACULUM
FLM:	FACET FOR LTM	FCF:	FACET FOR TRC
PC:	PROCESS COCHLEARIS		

METATARSAL

TRC:	TRC FACET	TRS:	TRS FACET
PAF:	PROX. ANTERIOR FORAMEN	DAF:	DIST. ANTERIOR FORAMEN

LC: LATERAL CONDYLE

MC: MEDIAL CONDYLE

SACRUM

AP: ARTICULAR PROCESS

WG: WING

CN: CENTRUM

SP: SPINOUS PROCESS

VERTEBRAE

CNT: CENTRUM

CNN: CENTRUM + NEURAL ARCH

NAS: NEURAL ARCH + SP

CNS: CN + NAS

AP: ARTICULAR PROCESS

PEP: POSTERIOR EPIPHYSIS

SP: DORSAL SPINOUS PROCESS

TSP: TRANSVERSE SPINOUS PROCESS

PRZ: PREZYGAPOPHYSE (L OR R, AX= PAIR)

POZ: POSTZYGAPOPHYSE (L OR R, AX= PAIR)

AEP: ANTERIOR EPIPHYSIS

UEP: UNID AEP/PEP

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**SEGMENT/PORION CODES**

CO: COMPLETE

PR: PROXIMAL

DS: DISTAL

LT: LATERAL

ME: MEDIAL

CR: CRANIAL (ANTERIOR)

CD: CAUDAL (POSTERIOR)

DR: DORSAL

VN: VENTRAL

ACT: ACETABULAR PORTION (IM)

L: LEFT

R: RIGHT

EN: TOOTH ENAMEL

EG: EDGE

HB: SPLIT RB BLADE

MS: MESIAL

PL: POSTERIORLATERAL

PM: POSTERIORMEDIAL

AM: ANTERIORMEDIAL

AL: ANTERIORLATERAL

FO: FORE

HD: HIND

#X: SPECIFIC VERTEBRA OR RIB

FR: FRAGMENT

US: UNSPECIFIED

IN: INTERIOR

EX: EXTERIOR

FOR: FORAMEN

AL: ALL

SF: SUPRACONDALOID FOSSA

MO: MINOR TROCHANTER (FM)