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ZOO-ARCHAEOLOGY OF FAUNAL REMAINS OF RANGPUR (GUJARAT) : AN INDUS CIVILIZATION SITE

T. K. PAL
B. TALUKDER



ZOOLOGICAL SURVEY OF INDIA



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**Zoo-archaeology of Faunal Remains of Rangpur (Gujarat) :
An Indus Civilization Site**

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EDITOR'S PREFACE

Zooarchaeology is the study of animal remains recovered from sites of old human civilizations. It aims to derive knowledge about the relationships between humans and other animals as well as their environment. The subject involves various physical, biological, ecological and anthropological concepts, and their applications. The study of animal remains from an archaeological site however, requires a sound biological foundation without which the study cannot be a reliable one. It is believed that the Indian subcontinent was humanized during the Pleistocene epoch (above 10,000-3 million years before present) but knowledge about these early men remained very marginal. Subsequently, signatures of various cultural levels and streams could be discerned on this land.

The Indus civilization or Harappan culture symbolizes a phase of pride of the past of the subcontinent. We wonder about the wisdom and understanding of the Harappans about the resource potential and utilization in the Indus valley in the Third millennium B. C. The Indus civilization was magnificent for its characteristic uniformity and standard in town planning, architecture, crafts, etc. over more than a million sq. km. area that now belong to Pakistan and India. The Harappans unquestionably deserve a high credit for unifying the north and west of the subcontinent with so much of diverse situation, in a time while transport and communication were obviously much difficult. There has been plethora of books on the Indus civilization featuring success of the enterprising Harappans. However, the decline and collapse of the Indus civilization have been more enigmatic one.

The Archaeological Survey of India (ASI) carried out archaeological excavations in Rangpur archaeological site, a centre of Indus civilization in Gujarat state of India, during 1953-56 and the animal remains were deposited to the Zoological Survey of India (ZSI). The authors of the present document have systematically worked out the animal remains from Rangpur.

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INTRODUCTION

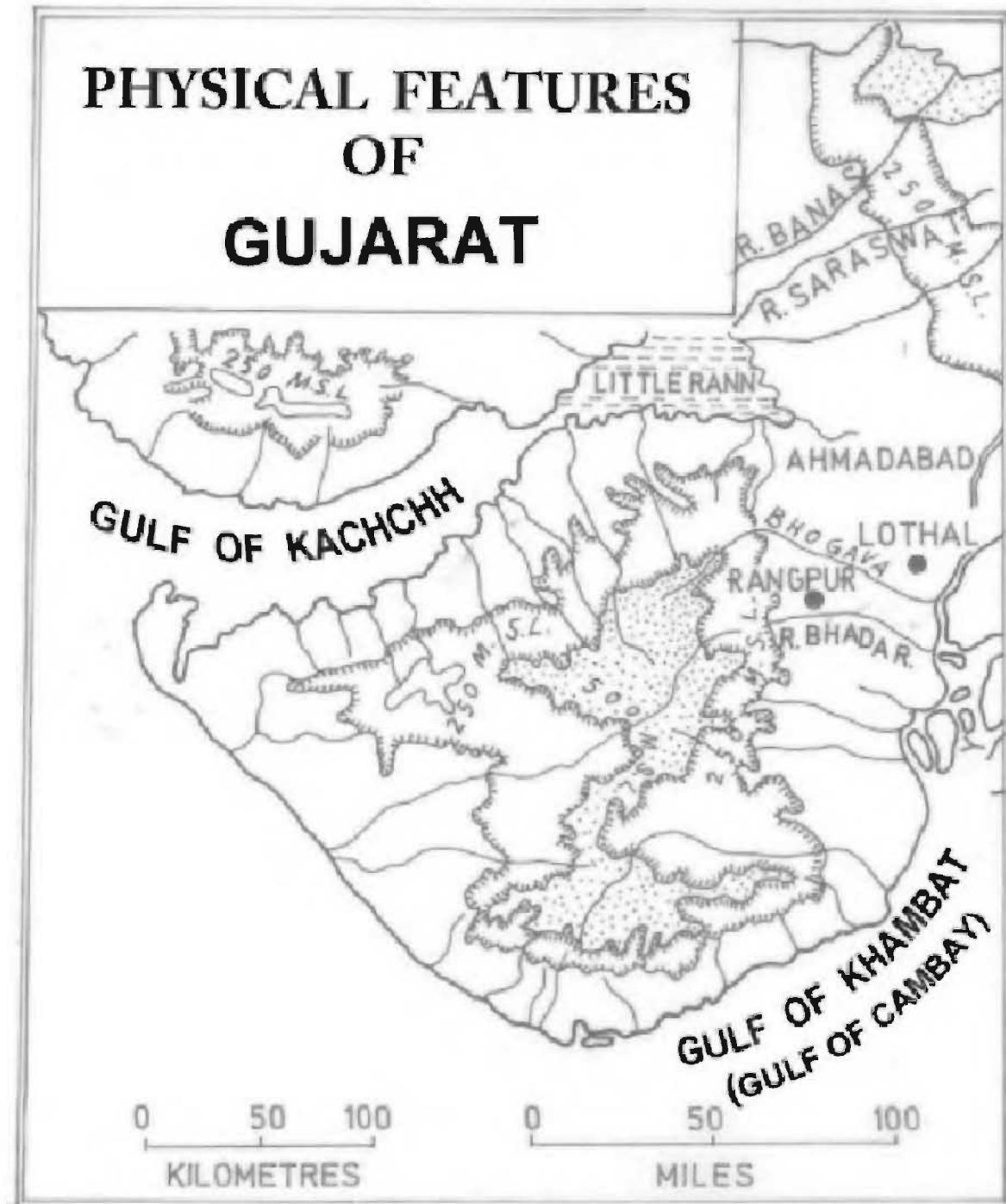
Civilization may be regarded as the most evolved phase of the cultural levels of humans which may be recognized by the formation of township or city. A city is primarily the outcome of conglomeration of various interdependent activities under an administration. The character of a city is dependent upon the subsistence basis, variety of human activities and administrative form. The Harappan civilization which came up in the lower Indus valley sometimes around 2500 B.C. was the first in the Indian subcontinent and the third in the world (after Sumerian and Egyptian). It is believed that at its peak the civilization of the Indus valley expanded to an area much larger than that of the Sumeria and Egypt.

Discovery and excavation of Harappa and Mohenjodaro during 1920s established the evidence of a great river valley civilization and that was appropriated to contextualize a subcontinental ethos for Indian history. Subsequent to the partition of India in 1947 there was no important site of the Indus civilization known from the post-partition India. There was an urge among the Indian archaeologists for exploring material clues for closing the gap in Indian history between the declines of the Indus civilization around 1500 B.C. and beginning of the historical period around 600 B.C. To find out the Indus civilization sites within the Indian territory acted as a booster for exploration of areas along the Ghaggar river and its tributaries in Punjab, Rajasthan and Gujarat states. The effort has resulted in identifying at least thirty sites of Indus civilization in the above areas by 1951 to 1953. The mound at Rangpur of Gujarat which was dug out as early as 1934 for construction of a road could hardly be recognized as one post-Harappan site on the basis of primarily available material. The discovery of a number of material and evidences of true Indus civilization northward in Rupar made the Archaeological Survey of India (ASI) in 1953 for a further thorough excavation of Rangpur to ascertain its Harappan feature or discarding its affinity with the Harappan civilization. The excavation however, ultimately revealed a true Harappan trait in the site.

Harappan tradition and material culture appeared to display a regional pattern combining with that of the local indigenous agricultural and pastoral population and even hunting and food gathering seminomadic autochthonous folk, who were there even before the entry of the sophisticated Harappans. The outcome of the excavation as well as biological findings offered interesting data also to understand the historical trajectory of living domains and socio-cultural set-up.

LOCATION AND TOPOGRAPHY

The ancient cultural site at Rangpur (Lat. 22°26' N; Long. 71°55' E) is a tiny village in Limbdi Taluka of Surendranagar District of Gujarat state, located on the bank of River Bhadar (see Text-Fig. 1). It is situated at a distance of about 85 miles (136.8 km.) south west of Ahmedabad and 4 miles (6.4 km.) north-west of Dhandhuka railway station on the Ahmedabad-Botad meter gauge section in Kathiawar region. The present village of Rangpur, situated on the northern and western edges of the mound and measuring about 3600 ft. or 1081 m. (n-s) x 2800 ft. or 840 m. (e-w) covers about one-fourth of the prehistoric habitation (see Text-Fig. 2). The river Bhadar was a mightier flow channel in the past and trace of which is noticeable on the western side of the mound. During monsoon the river receives enough water and which wash out larger chunk of ancient mounds. A rain gully running north-south and passing across 15 ft. (4.5 m.) occupation debris is used now as the cart track by the villagers. Two terraces are noticed, one in the centre of the mound and the other towards the south-east of the former one at a lower elevation. The mound gradually sloped on the north-western side to merge with a shallow water channel that becomes the outlet of a tank. The rain gullies and water courses had gradually exposed debris, remnants and potsherds of past human settlement. Kathiawar peninsula lies south of Kachchh across the Gulf of Kachchh and is more or less circular in outline. The little Rann of Kachchh, the Gulf of Cambay and the Nal Lake in between, nearly encircle the Kathiawar peninsula in the east and northeast. Its western and southern



Text-Fig. 1 : Map of Gujarat showing physical features and location of Rangpur archaeological site (after Rao, 1962-63).

borders are washed by the Arabian Sea. It is primarily a Lava plateau dissected into flat-topped hills and step-like terraces. The surface of the plateau rises gradually from the coastal plains towards the centre. Hence, the central part of the

peninsula is the most elevated part averaging c.150 m. high, dotted with hills and bordered by scarps. Flat-topped sandstone hills occur in the northeast. The marginal lands facing shores are flat and the hills found there have their seawards slopes steeper



Text-Fig. 2 : Aerial view of Rangpur village and the archaeological site [after www.googleearth]

than the landward slopes. A radial pattern of drainage has developed in Kathiawar streams flowing in different directions from the central highland. The Bhadar and Shetrunji are two large rivers.

HISTORY OF EXCAVATION

While constructing a road through the village of Rangpur, large numbers of painted potteries were recovered during the digging of the ancient mound in 1934. The excavated materials were sent to Shri Madho Sarup Vats, the then Superintendent of Western Circle of the Archaeological Survey of India for examination. He excavated the site in 1935 with the invitation from the Darbar of

erstwhile Limbdi state. Vats (1937) designated Rangpur as an outpost of the Harappa culture on the basis of potteries and painted wares. Afterwards, G.S. Ghurye (1939) expressed the similar view on the basis of a brief excavation conducted in November 1936. M. G. Dikshit of the Deccan College, Pune further conducted an excavation deeper down to the natural soil and he (1950) opined that Rangpur has no cultural affinity with Harappa but represent a post-Harappan culture. However, on the basis of primary findings from a number of sites in western India, the excavation at Rangpur was again taken up by the Archaeology Department of the Govt. of India during 1953-55 under the leadership of S.R. Rao.

The primary purpose of the re-excavation was to ascertain the periodisation of the ancient culture, viz., Harappan or the post-Harappan. Though, Dikshit (1950) inferred Rangpur as a post Harappan culture its origin, development and dispersal were not highlighted. Dikshit indeed had noticed several Harappan elements along with the non-Harappan in the excavated material but he relied more upon the latter material in setting his view on the culture. Hence, finding sequential relationship of Rangpur with the Harappan culture on one side and the Chalcolithic cultures of central India and Deccan on the other side were also the objectives of the excavation. So, trenches were laid down, and structural remains plus various tools, implements, seals and remains were recovered. The excavation was carried out in two phases from December 1953 to March 1954, and November 1954 to February 1955. Excavation and the recovered material revealed the existence of a Harappan culture in the site, and some transformed forms later on.

SITE OF EXCAVATION AND TERMINOLOGY OF SITES

A large portion of the ancient mound was flat with two terraces. One of the terraces on which the Rangpur (RGP) village situated was higher than the other. Two cuttings viz., RGP 1 and RGP 2 were made during the excavation by the ASI during 1953-55. RGP 1 was located eastwards of the cart-track from Dhandhuka and RGP 2 was on the other side of the tract for obtaining maximum cultural deposits and to be close to the earlier cutting made during the excavation by Vats and Dikshit for comparisons of results. The stratification in RGP 1 was disorganized but in RGP 2 a well organized and stratified occupation deposits were found. These could be relied upon for the purpose of stratigraphy and cultural sequence. Down the depth from surface successive evidences of the post-Harappan Lustrous Red ware culture, transition phase of the Harappan culture and a degenerative phase of the Harappan culture were noticed serially. Three more trenches viz., RGP 3, RGP 4 and RGP 7 were made on the western side

of the mound which revealed exciting result. Several drains, platforms, house etc. featuring mature Harappan culture were exposed. Many copper celts, chert blades, stone beads, weights and painted potteries depicting Harappan culture were also recovered. Two trenches viz., RGP 5 and RGP 6 were disorganized in the early levels and found to be not quite reliable for ascertaining cultural sequences. Though enough quantity of painted pottery featuring transition phase of the Harappa culture unearthed from the intermediary levels were pointing out the revival/continuity of painting art of earlier phases. Further, two more cuttings viz., RGP 8 and RGP 9 were made in 1956 for ascertaining the lithostratigraphical position of the black soil vis-a- vis the Late Harappan settlements (see Text-Fig. 3).

The systematic excavation at Rangpur explored evidences of at least three major cultural phases, viz., the pre-pottery microlithic culture, the Harappa culture, and the post-Harappan red ware culture. Rao (1962-63) assigned them to Periods I, II and III with three sub periods in Period II (viz., II A, IIB, II C). Archaeological remains of periods I and IIA were recovered from RGP 3, RGP 4 and RGP 7 and those of periods IIB, IIC and III in RGP 1, RGP 2 and RGP 5.

The earliest human settlement at Rangpur could be detected on the northwestern slope of the mound where Bhadar river used to flow in the past. In the earliest levels of the cuttings RGP 3, RGP 4 and RGP 7 several Late Stone age microliths with geometric forms were recovered from the gravel bed composed of fine sands.

CHRONOLOGY

There was a limitation of definitive evidence from Rangpur for assigning absolute dates to the various cultural periods, and hence typological comparisons with time periods of the mature Harappan culture in Indus valley were relied upon largely by Rao (1962-63) in interpreting time-frames of different cultural periods. The calculations were partly modified later on by other experts (see Agrawal, 1964; Bisht, 1991; Joshi, 1997). It is considered that there must have been a

local indigenous settlement of microlith-using people in Rangpur area. There was no cultural or generic affinity of the microlithic culture with the Harappa culture and they were stratigraphically separated by an intervening deposit of silt of about 3 ft. It is considered that the third flood in Lothal dated around c. 2000 B.C. forced out some inhabitants to move towards Rangpur and the first Harappan settlement in Rangpur was established in c. 2000 B.C. This time zone was considered as referral line in deciding upper and lower limits of the Harappan and evolved cultures. On the basis of intervening silt deposits below Harappa cultural phase, microlithic culture is presumed to have flourished in that area in c. 3000 B.C.

Harappa culture represented by total habitation debris of about 10 ft. (c. 3 m.) with four structural phases might have accumulated in about five centuries of undisturbed occupation. The settlement was devastated perhaps due to a major flood of long duration. This was apparent from the occupation of mature Harappa culture sealed by flood-borne debris. Hence, the mature Harappa culture might have ended by c.1500 B.C. A degeneration of the Harappa culture was observed in the next phase with the occupation debris of about 10-11 ft. (3 m.) thick in RGP 2 and RGP 5. The debris might have been accumulated in at least four centuries and hence the degenerate Harappa cultural phase was dated 1500 to 1100 B.C.

Subsequently, occupation debris of about 3 ft. (c. 0.9 m.) thick in RGP 2 and 4-5 ft. (1.5 m.) in RGP 1 and RGP 5, where lustrous red ware and coarse red ware jars were noticed for the first time, indicated a transition phase of Harappa culture. The transformation of forms and technologies might have taken not less than a century and the phase was dated about 1100-1000 B.C.

Further a cultural deposit of 5-6 ft. (c. 1.8 m.) thick was met in RGP 2 with bulk of lustrous red ware potteries. The phase might have lasted for about two centuries and dated about 1000-800 B.C.

This in nut shell is an account of gradual development of cultural phases in Rangpur and the following time-frames were assigned to various

cultural periods of Rangpur archaeological site:

- Period I-Microlithic culture [3000 B.C.];
- Period IIA-Harappa culture [2000-1500 B.C.];
- Period II B-Late or degenerate Harappa culture [1500-1100 B.C.];
- Period II C-Transition phase of Harappa culture [1100-1000 B.C.];
- Period III-Post Harappa or Lustrous red ware culture [1000-800 B.C.].

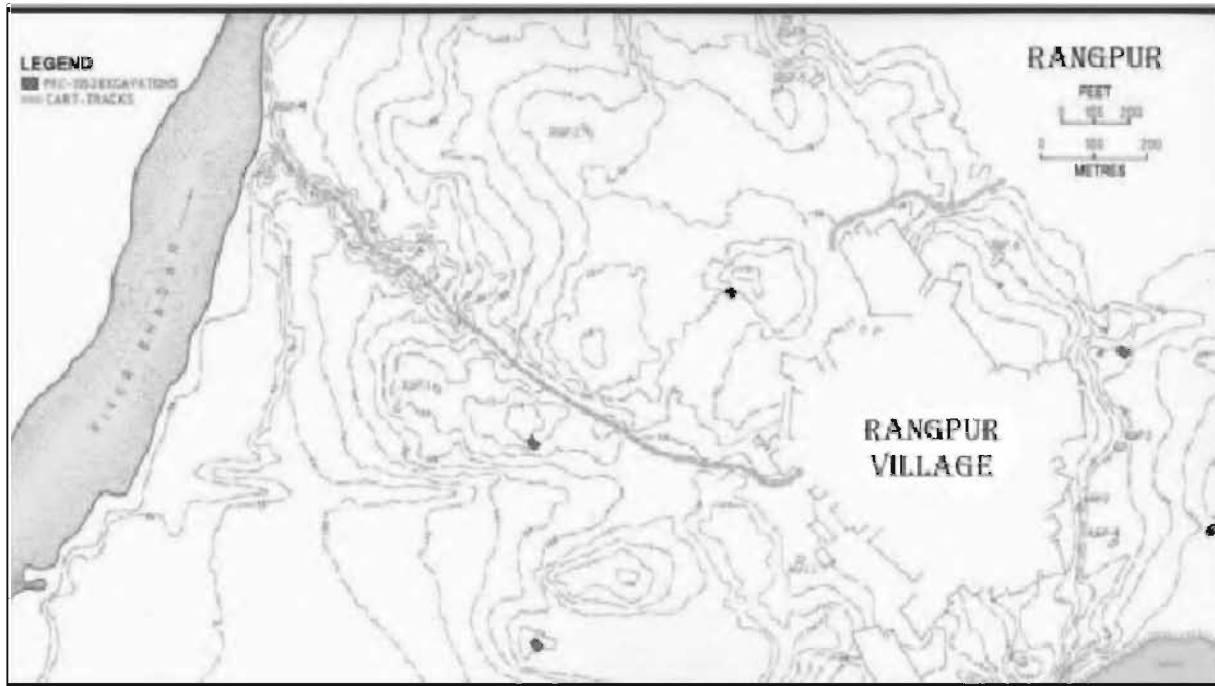
However, subsequently in the archaeological literature explored sites based on Rangpur sequence, particularly sites related to Rangpur II B and II C were clubbed together (Bhan, 1989; 1992; Possehl and Raval, 1989), though culturally the periods were not alike. Misra (1965) earlier made a critical review and expressed disagreement that culturally Rangpur II B is a part of Rangpur IIA. Herman (1995) supported this view.

MATERIAL AND METHODS

Many animal remains along with the objects of archaeological importance were recovered from the excavations during 1953-56 by the Archaeological Survey of India (ASI). These faunal remains belonged to either of the periods IIA, IIB, IIC or III. These remains were sent to the Zoological Survey of India (ZSI) for examination. The animal remains were often fragmentary and fragile. Earlier, Nath (1962-63) worked out skeletal parts of some animals obtained during the excavation. A zoological-taxonomical inventory of the available animal remains is made by critical study of the samples and by comparative assessment with skeletal components of different animals in the standard reference of ZSI. Co-lateral information about the human culture and past ecological set up were retrieved from various literatures.

SYSTEMATIC ACCOUNT OF ANIMAL REMAINS

The animal remains of Rangpur archaeological site are worked out and the result of it is presented in Table 1.



Text-Fig. 3 : Map of Rangpur showing various sectors of archaeological excavations (after Rao, 1962-63)

Table 1. Systematic analysis of animal remains recovered from Rangpur archaeological site.

Culture: Harappa culture (Period II A)

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Sus scrofa cristatus</i> Wagner	1	Fragment of right ramus of mandible without teeth	L=RGP IX; S=7	Broken
	1	Right astragalus	L=RGP VIII, O-V; S= II and 12	Complete
<i>Bos indicus</i> Linn.	1	Proximal fragment of left radius	L=RGP II, V-VIII; 16	Sub adult
	1	Left 1st phalanx of fore foot	L=RGP II, V-VIII; 16	Complete
	2	Fragments of left pelvis	L=RGP II, V-VIII; 16	Broken
	1	Left scapula	L=RGP IV, VIII-X; S=3 and 7	Broken
	1	Right astragalus	L=RGP IV, VIII-X; S=3 and 7	Broken
	1	Left 1st phalanx of fore foot	L=RGP IV, VIII-X; S=3 and 7	Broken
	1	Right upper 1st molar tooth	L=RGP IV, VIII-X; S=3 and 7	Complete
	1	2nd phalanx of fore foot	L=RGP IV, VIII-X; S=3 and 7	Complete
	1	2nd phalanx of hind foot	L=RGP IV, VIII-X; S=3 and 7	Complete
	1	Right astragalus	L=RGP VII, O-V; S=11 and 12	Complete
	1	Right 1st phalanx of fore foot	L=RGP VII, O-V; S=11 and 12	Complete

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	2	Fragments of rib	L=RGP VII, O-V; S=11 and 12	Broken
	1	Fragment of vertebra	L=RGP VII, O-V; S=11 and 12	Broken
	1	Left pelvis	L=RGP VII, O-V; S=11 and 12	Broken
	1	Proximal fragment of left femur	L=RGP NIL; S=7	Broken
	1	Left lower 2nd molar tooth	L=RGP NIL; S=7	Complete
	1	Head of femur	L=RGP NIL; S=7	Broken
	2	Fragments of rib	L=RGP II, VII-XI; S=10	Broken
	1	Right 1st phalanx of fore limb	L=RGP II, VII-XI; S=10	Broken
	1	Proximal fragment of left radius	L=RGP II, VII-XI; S=10	Broken
	1	Left upper 1st premolar tooth	L=RGP IV, II-IV; S=6	Complete
	1	Combined trapezoid and magnum of right distal carpus	L=RGP IV, II-IV; S=6	Broken
	1	Fragment of rib	L=RGP IV, II	Broken
	1	Fragment of upper right molar tooth	L=RGP IV, II	Broken
	1	Left 3rd phalanx of fore foot	L=RGP IV, II	Complete
	1	Proximal fragment of left radius	L=RGP III, VIII-X; S=6	Broken
	1	Distal fragment of 1st phalanx	L=RGP III, VIII-X; S=6	Broken
	1	Condyle of 3rd and 4th metacarpal	L=RGP III, VIII-X; S=6	Broken
	1	Lumber vertebra	L=RGP VIII, AC; S=2	Broken
	1	Right horizontal ramus of mandible with a tooth	L=RGP VIII, AC; S=2	Eroded
	1	Fragment of head of femur	L=RGP VIII, AC; S=2	Broken
1	Thoracic vertebra	L=RGP VIII, AC; S=2	Charred	

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	Distal fragment of left humerus	L=RGP VIII, AC; S=2	Broken
	1	Fragment of sacrum vertebra	L=RGP VIII, AC; S=2	Broken
	1	1st phalanx	L=RGP VIII, AC; S=2	Broken
	1	Proximal fragment of metacarpal	L=RGP VIII, AC; S=2	Broken
	1	Distal fragment of metatarsal	L=RGP VIII, AC; S=2	Broken
	1	Thoracic vertebra	L=RGP VIII, AC; S=2	Broken
	1	Right 2nd phalanx	L=RGP VIII, AC; S=2	Complete
	1	Proximal fragment of metatarsal	L=RGP VIII, AC; S=2	Broken
	1	Left lower 1st molar tooth	L=RGP VIII, AC; S=2	Complete
	1	Left 2nd phalanx	L=RGP VIII, AC; S=2	Complete
	1	Left 3rd molar tooth	L=RGP VIII, AC; S=2	Broken
	1	Left upper 3rd molar tooth	L=RGP VIII, AC; S=2	Complete
	1	Fragment of left scapula with a portion of acetabulum and ilium	L=RGP IV, II-IV; S=11	Broken
	1	Fragment of rib	L=RGP IV, II-IV; S=11	Broken
	1	Left upper 1st molar tooth	L=RGP IV, II-IV; S=6	Complete
	1	Distal fragment of 3rd and 4th metacarpal	L=RGP VII, O-V; S=10	Broken
	1	Left patella	L=RGP VII, O-V; S=10	Broken
	1	Fragment of vertebra	L=RGP I, VIII-I; S=6 and 7	Broken
	1	Distal fragment of right 3rd and 4th metatarsal	L=RGP III, VIII-X; S=2	Broken
	1	Proximal fragment of shaft of tibia	L=RGP III, VIII-X; S=2	Broken
	2	Fragments of shaft of thoracic rib	L=RGP III, VIII-X; S=2	Broken
	1	Distal fragment of radius	L=RGP III, VIII-X; S=2	Broken

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
Bos indicus Linn.	1	Right 1st phalanx of fore foot	L=RGP IV, IV-VI; S=9	Complete
	1	Fragment of 3rd and 4th metatarsal	L=RGP IV, IV-VI; S=9	Broken
	1	Fragment of rib	L=RGP IV, VI-VIII; S=4	Broken
	1	Left scapula	L=RGP IV, II-IV; S=11	Broken
	1	Medial condyle of right humerus	L=RGP IV, II-IV; S=11	Broken
	1	Fragment of vertebra	L= RGP IV, VI-VIII; S=4	Broken
Bubalus bubalis (Linn.)	1	Proximal fragment of left femur	L=RGP IV, VIII-X; S=11	Broken
	1	Right astragalus	L=RGP IV, VIII-X; S=11	Complete
	1	Proximal fragment of femur	L=RGP IV, VIII-X; S=11	Broken
	1	Distal fragment of shaft of radius	L=RGP IV, VIII-X; S=11	Broken
	1	Right horizontal ramus of mandible with 3rd premolar and 1st and 2nd molar teeth	L=RGP III, VI-VIII; S=3	Broken
	1	Right patella	L=RGP IV, VIII-X; S=7	Broken
	1	Head of left femur	L=RGP IV, VIII-X; S=7	Broken
Ovis vignei Blyth	1	Right horizontal ramus of mandible with 3rd premolar and 1st and 2nd molar teeth	L=RGP III, VI-VIII; S=3	Broken
	1	Right lower 2nd molar tooth	L=RGP IV, VI-VIII; S=10	Broken
	1	Distal fragment of shaft of radius	L=RGP IV, VI-VIII; S=10	Broken
	1	Right horizontal ramus of mandible with 3rd premolar, 1st and 2nd molar teeth	L=RGP IV, VI-VIII; S=10	Broken
	1	Left 1st phalanx of fore foot	L=RGHP IV, IV-VI; S=10	Complete
	1	Fragment of right calcaneum without calcis and a portion of sustentaculum	L=RGP IV, IV-VI; S=9	Broken

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
	1	Fragment of right horizontal ramus of mandible with 1st and 2nd molar teeth	L=RGP IV, VIII-X; S=7	Broken
<i>Capra hircus aegagrus</i> Erxl.	1	Fragment of horn core	L=RGP VII,O-V; S=11 and 12	Broken
	1	Fragment of horizontal ramus of mandible with 1st and 2nd molar teeth	L=RGP VII,O-V; S=11 and 12	Broken
	1	Distal fragment of left tibia	L=RGP VII,O-V; S=11 and 12	Broken
	1	Fragment of thoracic vertebra	L=RGP VII,O-V; S=11 and 12	Broken
	1	Fragment of horizontal ramus of mandible with a portion of 3rd premolar and 1st molar teeth	L=RGP IV, VI-VIII; S=4	Broken
	1	Proximal fragment of right 3rd and 4th metacarpal	L=RGP IV, VI-VIII; S=4	Broken

Culture : Late Harappa culture (Period II B)

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Sus scrofa cristatus</i> Wagner	1	Proximal fragment of right scapula with glenoid cavity with neck and a portion of blade	L=RGP II, XVIII-XXII; S=26 and 28	Broken
	1	Fragment of left ramus of mandible with 2nd molar tooth	L=RGP II, O-II; S=33	Broken
	1	Left ramus of mandible with 1st molar tooth	L=RGP II, VIII-XI; S=27	Broken
	1	Fragment of horizontal ramus of mandible without teeth	L=RGP VI, O-XI; S=19	Broken
	1	Right horizontal ramus of mandible with 3rd, 4th premolar and 1st, 2nd molar teeth	L=RGP II, VIII-XI; S=26	Broken

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
	1	Lumber vertebra	L=RGP I, O-II; S=18	Broken
	1	Left pelvis	”	Broken
	1	Distal fragment of right humerus	L=RGP VI, VIII-X; S=8	Broken
	1	Left calcaneum	L=RGP V, O-II; S=26	Complete
	1	Left 1st phalanx	”	Complete
	1	Atlas vertebra	L=RGP V, O-II; S=25	Broken
	1	Fragment of right horizontal ramus of mandible with 2nd molar tooth	L=RGP II, II-IV; S=23	Broken
	1	Right ramus of mandible with teeth	L=RGP V, V-IV; S=36	Broken
	1	Left horizontal ramus of mandible with 3rd molar tooth	L=RGP II, XI-XII; S=23	Broken
	1	Distal fragment of left humerus	L=RGP II, VIII-XI; S=26	Broken
<i>Bos indicus</i> Linn.	1	Right astragalus	L=RGP II, IV-VII; S=21	Broken
	1	Fragment of vertebra	L=RGP II, IV-VII; S=21	Broken
	1	Fragment of atlas vertebra	L=RGP II, IV-VII; S=21	Broken
	1	Distal fragment of right femur with lateral condyle	L=RGP II, IV-VII; S=23	Broken
	1	Fragment of upper molar tooth	L=RGP II, IV-VII; S=23	Broken
	1	Distal fragment of left humerus with medial condyle	L=RGP V, O-II; S=25	Broken
	1	Fragment of head of femur	L=RGP V, O-II; S=25	Broken
	1	Fragment of navicular and cuboid of the proximal tarsal	L=RGP V, O-II; S=25	Broken
	1	Distal condyle of 3rd and 4th metatarsal	L=RGP V, O-II; S=25	Broken

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	Right pubis of pelvis	L=RGP V, O-II; S=25	Broken
	1	Left astragalus	L=RGP V, XIII-XVI; S=32	Complete
	1	Proximal end fragment of left femur with head	L=RGP V, XIII-XVI; S=32	Broken
	1	Distal fragment of left tibia	L=RGP V, XIII-XVI; S=32	Broken
	1	Proximal fragment of right scapula with glenoid cavity	L=RGP V, XIII-XVI; S=32	Broken
	1	Fragment of right calcaneum	L=RGP V, XIII-XVI; S=32	Broken
	1	Distal fragment of left tibia	L=RGP V, O-II; S=26	Broken
	1	Lumber vertebra	L=RGP V, O-II; S=26	Broken
	1	Right 1st phalanx of fore foot	L=RGP V, O-II; S=26	Complete
	1	Left 2nd phalanx of fore foot	L=RGP V, O-II; S=26	Complete
	2	Distal fragments of 3rd and 4th metatarsal	L=RGP V, O-II; S=26	Broken
	1	Fragment of upper jaw	L=RGP V, O-II; S=26	Broken
	1	Right molar tooth	L=RGP V, O-II; S=26	Broken
	1	Distal condyle of 3rd and 4th metatarsal	L=RGP V, O-II; S=26	Broken
	1	Left lower 1st incisor tooth	L=RGP V, O-II; S=26	Complete
	1	Distal fragment of right tibia	L=RGP V, XIII-XVI S=33	Complete
	1	Lateral condyle of left femur	L=RGP V, XIII-XVI S=33	Broken
	1	Left upper 1st molar tooth	L=RGP V, XIII-XVI S=33	Complete
	1	Left astragalus	L=RGP V, XIII-XVI S=33	Complete
	1	Trochlea of left femur	L=RGP V, XIII-XVI S=33	Broken
	1	Right astragalus	L=RGP V, XIII-XVI S=33	Complete
	1	Left 2nd phalanx of fore foot	L=RGP V, XIII-XVI S=33	Complete
	1	Distal fragment of 1st phalanx	L=RGP V, XIII-XVI S=33	Broken
	1	Proximal fragment of left scapula	L=RGP V, XIII-XVI S=33	Broken

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	Fragment of right calcaneum	L=RGP II, VIII-XI; S=27	Broken
	1	Lumber vertebra with neural arch	L=RGP II, VIII-XI; S=27	Broken
	1	Distal fragment of left radius with distal articular surface	L=RGP II, VIII-XI; S=27	Broken
	1	Distal fragment of right radius	L=RGP II, VIII-XI; S=27	Broken
	1	Distal fragment of left radius	L=RGP II, VIII-XI; S=26	Broken
	1	Distal fragment of right humerus with medial condyle	L=RGP II, VIII-XI; S=26	Broken
	1	Medial condyle of left humerus	L=RGP II, VIII-XI; S=26	Broken
	1	Proximal fragment of left 3rd and 4th metatarsal	L=RGP II, VIII-XI; S=26	Broken
	1	Right 3rd phalanx of fore foot	L=RGP II, VIII-XI; S=26	Complete
	1	Fragment of atlas vertebra	L=RGP II, VIII-XI; S=26	Broken
	1	Right upper 1st molar tooth	L=RGP II, VIII-XI; S=26	Intact
	1	Proximal fragment of right femur with head	L=RGP VII, VIII-X S=24	Broken
	1	Fragment of rib	L=RGP II, O-II; S=25	Broken
	1	Proximal fragment of left radius	L=RGP II, O-II; S=25	Broken
	1	Spinous process of thoracic vertebra	L=RGP II, O-II; S=25	Broken
	1	Fragment of right mandible	L=RGP II, O-II; S=25	Broken
	1	Distal fragment of right radius	L=RGP II, O-II; S=25	Broken
	1	Left 1st upper molar tooth	L=RGP II, O-II; S=25	Complete
	1	Right 1st phalanx	L=RGP II, O-II; S=25	Complete
	1	Left 3rd phalanx of fore foot	L=RGP II, O-II; S=25	Complete
1	Proximal fragment of 3rd and 4th metacarpal	L=RGP II, O-II; S=25	Broken	

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	Fragment of axis vertebra	L=RGP II, O-II; S=25	Broken
	1	Fragment of right astragalus	L=RGP II, O-II; S=25	Broken
	1	Proximal fragment of right humerus with a portion of head	L=RGP II, O-II; S=25	Charred
	1	Proximal fragment of right femur with trochanteric fossa	L=RGP VI, VIII-X; S=24	Broken
	1	Distal fragment of 3rd and 4th metacarpal	L=RGP VI, VIII-X; S=24	Broken
	1	Left 1st phalanx of fore foot	L=RGP VI, VIII-X; S=24	Complete
	1	Left 2nd phalanx of fore foot	L=RGP VI, VIII-X; S=24	Complete
	1	Thoracic vertebra	L=RGP VI, VIII-X; S=24	Broken
	1	Fragment of 3rd and 4th metatarsal	L=RGP VI, VIII-X; S=23	Broken
	1	Distal condyle of 3rd and 4th metatarsal	L=RGP VI, VIII-X; S=24	Broken
	1	Proximal fragment of left humerus with head	L=RGP I, O-II; S=21	Broken
	1	Left astragalus	L=RGP I, O-II; S=21	Complete
	1	Thoracic vertebra	L=RGP I, O-II; S=21	Broken
	1	Anterior fragment of upper jaw	L=RGP I, O-II; S=21	Broken
	1	Fragment of pelvis with a portion of acetabulum and pubis	L=RGP I, O-II; S=21	Broken
	1	Left 3rd phalanx of hind foot	L=RGP I, O-II; S=21	Complete
	1	Right 1st phalanx of trochanter	L=RGP VI, O-X; S=18	Sub adult
	1	Distal fragment of right humerus with medial and lateral condyle and a portion of coronoid fossa	L=RGP VI, O-X; S=18	Broken
	1	Proximal fragment of 3rd and 4th metacarpal	L=RGP VI, O-X; S=18	Broken

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	Right distal condyle of 3rd and 4th metatarsal	L=RGP VI, O-X; S=18	Broken
	1	Distal fragment of 3rd and 4th metatarsal	L=RGP VI, O-X; S=18	Broken
	1	Left astragalus	L=RGP, VI, VI-VIII; S=18	Complete
	1	Left combined navicular and cuboid	L=RGP, VI, VI-VIII; S=18	Broken
	1	Proximal fragment of right femur with head	L=RGP, VI, VI-VIII; S=18	Broken
	1	Fragment of head of femur	L=RGP, VI, VI-VIII; S=18	Broken
	2	Distal fragments of 3rd and 4th metatarsal	L=RGP, VI, VI-VIII; S=18	Broken
	1	Right 1st phalanx of fore foot	L=RGP, VI, VI-VIII; S=18	Complete
	1	Fragment of right molar tooth	L=RGP, VI, VI-VIII; S=18	Broken
	1	Proximal fragment of 3rd and 4th metatarsal	L=RGP II, IV-VIII; S=24	Broken
	1	Left 1st phalanx of fore foot	L=RGP II, IV-VIII; S=24	Complete
	1	Fragment of rib	L=RGP II, IV-VIII; S=24	Broken
	1	Proximal fragment of right femur with head	L=RGP II, X-XVI; S=24	Broken
	1	Cervical vertebra	L=RGP II, IV-VIII; S=24	Broken
	1	Left calcaneum	L=RGP II, IV-VII S=30	Complete
	1	Left astragalus	L=RGP II, IV-VII S=30	Complete
	1	Distal fragment of right humerus with medial condyle	L=RGP II, IV-VII S=30	Broken
	1	Distal fragment of right tibia	L=RGP II, IV-VII S=30	Broken
	1	Left 2nd phalanx of fore foot	L=RGP II, IV-VII S=30	Complete
	1	Fragment of rib	L=RGP II, IV-VII S=30	Broken
	1	1st lower right molar tooth	L=RGP II, IV-VII S=30	Sub adult
	1	Right upper 3rd premolar tooth	L=RGP II, IV-VII S=30	Sub adult

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	Thoracic vertebra	L=RGP V, IV-VIII; S=31	Eroded
	1	Axis vertebra	L=RGP V, IV-VIII; S=31	Broken
	1	Distal fragment of right 3rd and 4th metatarsal	L=RGP V, IV-VIII; S=31	Broken
	1	Proximal fragment of left 3rd and 4th metacarpal	L=RGP V, IV-VIII; S=31	Charred
	1	Proximal fragment of scapula with glenoid cavity	L=RGP V, IV-VIII; S=31	Broken
	1	Right patella	L=RGP V, IV-VIII; S=31	Broken
	1	Distal fragment of left humerus with medial and lateral condyle	L=RGP V, IV-VIII; S=30	Broken
	1	Thoracic vertebra	L=RGP V, IV-VIII; S=30	Broken
	1	Left radius with styloid process	L=RGP V, IV-VIII; S=30	Broken
	1	Distal fragment of 3rd and 4th metacarpal	L=RGP V, XI-XIII; S=30	Broken
	1	Right astragalus	L=RGP V, XI-XIII; S=30	Complete
	1	Right navicular and scaphoid of proximal tarsal	L=RGP V, O-II; S=30	Chopped mark
	1	Head of femur	L=RGP V, O-II; S=30	Broken
	1	Proximal fragment of right tibia	L=RGP II, II-IV; S=21	Broken
	1	Right calcaneum	L=RGP II, II-IV; S=21	Complete
	1	Proximal fragment of right 3rd and 4th metatarsal	L=RGP II, II-IV; S=21	Broken
	1	1st phalanx	L=RGP II, II-IV; S=21	Sub adult
	1	Fragment of thoracic vertebra	L=RGP II, II-IV; S=21	Broken
	1	Left navicular and cuboid of proximal tarsal	L=RGP II, II-IV; S=21	Broken
	1	Fragment of 3rd and 4th metatarsal	L=RGP II, II-IV; S=21	Broken

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	Distal fragment of left humerus with a portion of medial condyle and coronoid fossa	L=RGP VI, O-X; S=18	Broken
	1	Distal fragment of right radius	L=RGP V, II-IV; S=39 and 40	Broken
	1	Right 2nd phalanx of fore foot	L=RGP V, II-IV; S=39 and 40	Complete
	1	Fragment of left vertical ramus of mandible with condyle	L=RGP V, II-IV; S=39 and 40	Broken
	1	Left astragalus	L=RGP V, XVIII-XXII; S=24 and 25	Complete
	1	Right astragalus	L=RGP V, XVIII-XXII; S=24 and 25	Complete
	2	Right calcaneum	L=RGP V, XVIII-XXII; S=24 and 25	One complete and one broken
	1	Fragment of left pelvis with a portion of acetabulum and ischium	L=RGP V, XVIII-XXII; S=24 and 25	Broken
	1	1st phalanx of left foot	L=RGP V, XVIII-XXII; S=24 and 25	Sub adult
	1	Left upper 1st premolar tooth	L=RGP V, XVIII-XXII; S=24 and 25	Broken
	1	Left upper 3rd premolar tooth	L=RGP V, XVIII-XXII; S=24 and 25	Complete
	1	Right horn core	L=RGP II, VIII-XI; S=31	Broken
	1	Fragment of right lower jaw	L=RGP II, VIII-XI; S=29	Broken
	1	Distal fragment of right humerus	L=RGP II, VIII-XI; S=29	Broken
	1	Fragment of rib	L=RGP II, VIII-XI; S=29	Broken
	1	Proximal fragment of 3rd and 4th metatarsal	L=RGP II, VIII-XI; S=29	Broken
1	Fragmentary shaft of humerus	L=RGP II, VIII-XI; S=29	Broken	

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	Proximal fragment of left radius with medial articulate surface	L=RGP I, O-II; S=10	Broken
	1	Proximal fragment of left 3rd and 4th metacarpal	L=RGP I, O-II; S=10	Broken
	1	Right astragalus	L=RGP I, O-II; S=10	Sub adult
	1	Lateral condyle of left femur	L=RGP I, O-II; S=10	Broken
	1	Left calcaneum	L=RGP I, O-II; S=10	Broken
	1	Thoracic vertebra	L=RGP I, O-II; S=10	Broken
	1	Lumber vertebra	L=RGP I, O-II; S=10	Broken
	1	Right 2nd phalanx of hind foot	L=RGP I, O-II; S=10	Charred
	1	Right upper 1st molar tooth	L=RGP I, O-II; S=10	Sub adult
	1	Right pelvis with a portion of acetabulum	L=RGP I, O-II; S=10	Broken
	1	Proximal fragment of right femur	L=RGP II, XVIII-XXII; S=26 and 28	Broken
	1	Proximal fragment of left femur	L=RGP II, XVIII-XXII; S=26 and 28	Broken
	1	Distal fragment of shaft of left radius	L=RGP II, XVIII-XXII; S=26 and 28	Broken
	2	Right calcaneum	L=RGP II, XVIII-XXII; S=26 and 28	one sub adult and one broken
	1	Proximal end fragment of right 3rd and 4th metacarpal	L=RGP II, XVIII-XXII; S=26 and 28	Broken
	1	Fragment of rib	L=RGP II, XVIII-XXII; S=26 and 28	Broken
	1	Proximal fragment of right tibia with medial and lateral condyle	L=RGP II, II-IV; S=29	Broken
	1	Left astragalus	L=RGP II, II-IV; S=29	Charred
	1	Distal extremity of right radius	L=RGP II, II-IV; S=29	Broken
	1	Proximal fragment of right radius	L=RGP II, O-II; S=20	Broken

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	Fragment of right horizontal ramus of mandible	L=RGP II, O-II; S=20	Broken
	1	1st phalanx of right fore foot	L=RGP II, O-II; S=20	Complete
	1	2nd phalanx of right fore foot	L=RGP II, O-II; S=20	Complete
	1	Left horizontal ramus without teeth	L=RGP II, O-II; S=20	Broken
	1	Left pubis of pelvis	L=RGP II, O-II; S=20	Broken
	1	Distal fragment of 3rd and 4th metatarsal	L=RGP II, O-II; S=33	Broken
	3	Fragments of rib	L=RGP II, O-II; S=33	Broken
	1	Left upper jaw with 3rd premolar and 1st molar teeth	L=RGP II, O-II; S=33	Broken
	1	Right upper 3rd premolar tooth	L=RGP II, O-II; S=33	Complete
	1	Left upper 1st molar tooth	L=RGP II, O-II; S=33	Complete
	1	Left 1st phalanx of hind foot	L=RGP II, O-II; S=33	Complete
	1	Fragment of horn core	L=RGP II, O-II; S=33	Broken
	1	Right patella	L=RGP II, O-II; S=33	Eroded
	1	Right astragalus	L=RGP V, IV-VIII; S=37	Broken
	1	Distal fragment of right humerus with medial condyle and medial epicondyle	L=RGP V, IV-VIII; S=37	Broken
	1	Right calcaneum	L=RGP V, IV-VIII; S=37	Complete
	1	Distal fragment of 3rd and 4th metacarpal with distal condyle	L=RGP V, IV-VIII; S=37	Broken
	1	Distal fragment of left tibia	L=RGP V, IV-VIII; S=37	Broken
	1	1st phalanx of fore foot	L=RGP V, IV-VIII; S=37	Complete
	1	Lumber vertebra	L=RGP V, IV-VIII; S=37	Broken
	2	Fragments of rib	L=RGP V, IV-VIII; S=37	Broken
	1	Fragment of upper molar tooth	L=RGP V, IV-VIII; S=37	Broken

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	Fragment of right pelvis with acetabulum and a part of ilium	L=RGP II, IV-VII; S=24	Broken
	4	Fragments of rib	L=RGP II, IV-VII; S=24	Broken
	1	1st phalanx of left fore foot	L=RGP II, IV-VII; S=24	Complete
	1	Proximal fragment of right radius	L=RGP II, IV-VII; S=24	Broken
	1	Proximal fragment of right scapula with glenoid cavity	L=RGP II, VIII-X; S=22	Broken
	1	Right patella	L=RGP II, VIII-X; S=22	Eroded
	1	Fragment of rib	L=RGP II, VIII-X; S=22	Broken
	3	Distal condyle of 3rd and 4th metapodial	L=RGP II, VIII-X; S=22	Broken
	1	Fragment of tubercalcis of right calcaneum	L=RGP II, VIII-X; S=22	Broken
	1	Left scapho cuboid	L=RGP II, II-V; S=32	Broken
	1	Distal fragment of left tibia with middle malleolus	L=RGP II, II-V; S=32	Broken
	1	Distal fragment of right humerus	L=RGP II, II-V; S=32	Broken
	1	Proximal fragment of 1st phalanx of fore foot	L=RGP II, II-V; S=32	Broken
	1	Lumber vertebra	L=RGP II, II-V; S=32	Broken
	1	Distal fragment of shaft of right femur	L=RGP II, IV-VII; S=25	Broken
	1	Fragment of rib	L=RGP II, IV-VII; S=25	Broken
	1	Proximal fragment of left scapula with glenoid cavity and a portion of neck	L=RGP II, IV-VII; S=25	Broken
	1	Left calcaneum	L=RGP II, IV-VII; S=25	Sub adult
	1	Right astragalus	L=RGP II, XVII-XXII; S=17	Complete
	1	Head of right femur	L=RGP II, XVII-XXII; S=17	Broken
1	Thoracic vertebra without spinous and transverse process	L=RGP II, XVII-XXII; S=17	Broken	

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	Proximal fragment of right 3rd and 4th metatarsal	L=RGP II,XVII-XXII; S=17	Broken
	1	Proximal fragment of right femur with head	L=RGP II,XVII-XXII; S=17	Broken
	2	Fragments of rib	L=RGP II VII-XI; S=34	Broken
	1	Distal fragment of left femur	L=RGP II XVIII-XXII; S=35	Broken
	1	Distal fragment of shaft of 3rd and 4th metatarsal	L=RGP II XVIII-XXII; S=35	Broken
	1	Head of right femur	L=RGP II XVIII-XXII; S=35	Broken
	1	Proximal fragment of left tibia with lateral and medial condyle	L=RGP II, II-IV; S=27	Broken
	1	Fragment of vertical ramus of right mandible with condyle	L=RGP II, II-IV; S=27	Broken
	1	Fragment of rib	L=RGP II, II-IV; S=27	Broken
	1	Right calcaneum	L=RGP II, II-IV; S=27	Complete
	1	Incisor tooth	L=RGP II, II-IV; S=27	Broken
	1	Proximal fragment of rib with head	L=RGP II, II-IV; S=27	Broken
	1	Left calcaneum without of tuber calcis	L=RGP II, II-IV; S=23	Broken
	2	Right astragalus	L=RGP II, II-IV; S=23	Complete
	1	Distal fragment of shaft of right humerus	L=RGP II, II-IV; S=23	Broken
	1	Distal fragment of left humerus with medial condyle	L=RGP II, II-IV; S=23	Broken
	1	Lateral condyle of left humers	L=RGP II, II-IV; S=23	Broken
	1	Lumber vertebra	L=RGP II, II-IV; S=23	Broken
	1	Proximal fragment of right 3rd and 4th metatarsal	L=RGP II, II-IV; S=23	Broken

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	Fragment of right pelvis with acetabulum	L=RGP II, II-IV; S=23	Broken
	1	Left 1st phalanx of fore foot	L=RGP II, II-IV; S=23	Complete
	1	Right 2nd phalanx of fore foot	L=RGP II, II-IV; S=23	Complete
	1	Fragment of right horizontal ramus with 1st molar and 2nd molar teeth	L=RGP II, II-IV; S=23	Broken
	1	Right upper 2nd molar tooth	L=RGP II, II-IV; S=23	Complete
	1	Left upper 1st molar tooth	L=RGP II, II-IV; S=23	Complete
	1	Left lower 2nd molar tooth	L=RGP II, II-IV; S=23	Complete
	2	Right upper molar teeth	L=RGP II, II-IV; S=23	Complete
	1	Right upper 3rd molar tooth	L=RGP II, II-IV; S=23	Broken
	1	Distal fragment of 3rd and 4th metapodial	L=RGP II, XI-XVI; S=27	Broken
	1	Distal fragment of 3rd and 4th metacarpal with distal condyles	L=RGP II, O-II; S=27	Broken
	1	Right upper 1st molar tooth	L=RGP II, O-II; S=27	Broken
	1	Right upper jaw with 3rd premolar tooth	L=RGP II, O-II; S=27	Broken
	1	Left 1st phalanx of fore foot	L=RGP II, II-IV; S=40	Broken
	1	Distal epiphysis of right radius	L=RGP II, II-IV; S=40	Broken
	1	Fragment of rib	L=RGP II, II-IV; S=40	Broken
	1	Distal fragment of right humerus with a portion of medial condyle	L=RGP II, IV-VII; S=31	Broken
	1	Fragment of pelvic girdle	L=RGP II, IV-VII; S=31	Broken
	1	Cervical vertebra	L=RGP II, IV-VII; S=31	Broken
	1	Right astragalus	L=RGP II, XI-XII; S=23	Complete
3	Fragments of rib	L=RGP II, VIII-IX; S=23	Broken	
1	Right horn core	L=RGP II, VIII-IX; S=23	Broken	

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	Fragment of rib	L=RGP II, VIII-IX; S=23	Broken
	1	Proximal fragment of left scapula	L=RGP V, II-IV; S=28	Broken
	1	Lumber vertebra	L=RGP V, II-IV; S=28	Broken
	1	Fragment of right astragalus	L=RGP V, II-IV; S=28	Broken
	1	Right calcaneum	L=RGP V, II-IV; S=28	Complete
	1	Lower 1st molar tooth	L=RGP V, II-IV; S=28	Complete
	1	Fragment of upper jaw with broken teeth	L=RGP V, II-IV; S=28	Broken
	1	Right upper 3rd premolar tooth	L=RGP I,O-II; S=21	Complete
	1	Distal fragment of right humerus with medial condyle	L=RGP V, O-II; S= 29	Broken
	1	Left 2nd phalanx of fore foot	L=RGP V, O-II; S= 29	Complete
	1	Right upper 3rd premolar tooth	L=RGP V, O-II; S= 29	Complete
	2	Fragments of horn core	L=RGP V, IV-XIII; S=34	Broken
	1	Epiphysis of vertebra	L=RGP V, IV-XIII; S=34	Broken
	1	Right pelvis with a portion of acetabulum and ischium	L=RGP V, IV-XIII; S=34	Broken
	1	Fragment of ulna	L=RGP V, O-II; S=41	Broken
	1	Head of femur	”	Broken
	1	Right upper 3rd premolar tooth	L=RGP V, O-II; S=2	Complete
<i>Bubalus bubalis</i> (Linn.)	1	Proximal fragment of left humerus with a portion of head	L=RGP II, X-XVI; S=24	Broken
	1	Fragment of left pelvis	L=RGP II, X-XVI; S=24	Broken
	1	Left horn core	L=RGP II,II-IV; S=31 and 32	Broken
	1	Left astragalus	L=RGP II,II-IV; S=31 and 32	Broken
	1	Proximal fragment of left radius	L=RGP II,II-IV; S=31 and 32	Broken

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
	1	Distal fragment of right tibia	L=RGP I, O-II; S=10	Broken
	1	Lumber vertebra	L=RGP I, O-II; S=10	Broken
	1	Lower 3rd molar tooth	L=RGP II, II-IV; S=40	Broken
	1	Left 2nd phalanx of fore foot	L=RGP VI, VIII-X; S=18	Complete
<i>Capra hircus aegagrus</i> Erxl.	1	Right horizontal ramus of mandible with 1st, 2nd and 3rd premolar and 1st, 2nd and 3rd molar teeth	L=RGP II, X-XVI; S=24	Much-eroded
	1	Fragment of horn core	L=RGP II, X-XVI; S=24	Broken
	1	Left upper maxilla with 1st, 2nd and 3rd molar teeth	L=RGP II, O-II; S=33	Broken
	1	Right upper 1st molar tooth	L=RGP II, O-II; S=33	Sub adult
	1	Proximal fragment of left tibia	L=RGP II, O-II; S=33	Broken
	1	Upper right 3rd molar tooth	L=RGP II, VIII-XI; S=29	Sub adult
	1	Fragment of left tibia	L=RGP II, VIII-XI; S=29	Broken
	1	Left horizontal ramus of mandible with 3rd and 4th premolar and 1st and 2nd molar teeth	L=RGP II, IV-VII; S=24	Sub adult
	1	Distal fragment of right humerus with medial and lateral condyle	L=RGP VI, VI-VIII; S=20	Broken
<i>Ovis vignei</i> Blyth	2	Fragments of left tibia	L=RGP V, O-X; S=10	Broken
	1	Left horn core	L=RGP V, IX-XI; S=29	Sub adult
	1	Atlas vertebra	L=RGP V, O-II; S=34	Broken
	1	Axis vertebra	"	Broken
	1	Lumber vertebra	L=RGP V, XVIII-XXII S=24 and 25	Broken
	1	Fragment of left horizontal ramus of mandible with 2nd and 3rd premolar teeth	L=RGP II, O-II; S=23	Broken
	1	Distal fragment of right femur	L=RGP II, O-II; S=23	Broken

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Ovis vignei</i> Blyth	1	Distal fragment of left humerus	L=RGP II, O-II; S=23	Broken
	1	Distal fragment of left radius without distal epiphysis	L=RGP II, O-II; S=23	Broken
	1	Right 3rd and 4th metatarsal without distal epiphysis	L=RGP II, IV-VII; S=18	Broken
	1	Proximal fragment of right femur with head and neck	L=RGP II, IV-VII; S=18	Broken
	1	Left horizontal ramus of mandible with teeth	L=RGP V, XIII-XVI; S=32	Broken
	1	Right lower 3rd premolar tooth	L=RGP V, XIII-XVI; S=32	Sub adult
	1	Fragment of left scapula	L=RGP II, O-II; S=25	Broken
	1	Proximal fragment of 3rd and 4th metacarpal	L=RGP II, O-II; S=25	Broken
	1	Left astragalus	L=RGP II, O-II; S=25	Broken
	1	Fragment of left horizontal ramus of mandible with 4th premolar and 1st and 2nd molar teeth	L=RGP V, IX-XI; S=28	Broken
	1	Left 2nd upper molar tooth	L=RGPII, VIII-IX; S=23	Sub adult
	1	Lumber vertebra	L=RGP II, IV-VII; S=25	Broken
	1	Right upper 1st and 2nd molar teeth	L=RGP II, VIII-XI; S=22	Broken
	1	Distal fragment of right tibia	L=RGP II, IV-VII; S=30	Broken

Culture : Transition phase of Harappa culture (Period IIC)

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Sus scrofa cristatus</i> Wagner	1	Left lower mandible with 3rd molar tooth	L=RGP II, II-VIII; S=12	Broken
	1	Proximal fragment of left humerus	L=RGP II, II-VIII; S=12	Broken
	2	Fragments of rib	L=RGP II, II-VIII; S=12	Broken
	1	Proximal fragment of left femur	L=RGP II, O-II; S=12	Broken

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Sus scrofa cristatus</i> Wagner	1	Right metacarpal	L=RGP II, IV-XII; S=13	Complete
	1	Right horizontal ramus with 3rd molar tooth	L=RGP II, IV-XII; S=13	Broken
	1	Right upper 2nd molar tooth	L=RGP V, II-IV; S=15, 16 and 17	Complete
	1	Axis vertebra	L=RGPV, IX-XI; S=18	Broken
	1	Right ramus of mandible with 2nd molar tooth	L=RGP I, O-II; S=19	Broken
	1	Right upper 2nd molar tooth	L=RGP V, II-IV; S=15, 16 and 17	Broken
<i>Bos indicus</i> Linn.	1	Right combined trapezoid and magnum	L=RGP V, VI-VIII; S=17	Broken
	1	Left asragalus	L=RGP V, VI-VIII; S=17	Complete
	1	Fragment of atlas vertebra	L=RGP V, VI-VIII; S=17	Broken
	1	Right 1st phalanx	L=RGP V, VI-VIII; S=17	Complete
	1	Fragment of 3rd and 4th metatarsal	L=RGP V, VI-VIII; S=17	Broken
	1	Fragment of rib	L=RGP II, IV-VIII; S=18	Broken
	1	Left combined scaphoid and cuboid	L=RGP II, IV-VIII; S=18	Broken
	1	Fragment of right pelvis with a portion of acetabulum and ilium	L=RGP II, IV-VIII; S=18	Broken
	1	Right astragalus	L=RGP I, II-IV; S=14	Complete
	1	Lumber vertebra	L=RGP I, II-IV; S=14	Broken
	1	Thoracic vertebra	L=RGP I, II-IV; S=14	Broken
	1	Left upper 1st molar tooth	L=RGP I, II-IV; S=14	Broken
	1	Right upper 2nd molar tooth	L=RGP I, II-IV; S=14	Complete
	1	Fragment of rib	L=RGP I, II-IV; S=14	Broken
	1	Right 1st phalanx of fore foot	L=RGP I, II-IV; S=14	Complete
	1	Distal fragment of right tibia	L=RGP II, IV-VII; S=13	Broken
1	Distal fragment of right femur	L=RGP II, IV-VII; S=13	Broken	

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	Distal fragment of 3rd and 4th metacarpal	L=RGP II, IV-VII; S=13	Broken
	1	Right 1st phalanx of fore foot	L=RGP II, IV-VII; S=13	Complete
	1	Proximal fragment of right 3rd and 4th metacarpal	L=RGP II, IV-VII; S=13	Broken
	1	Right patella	L=RGP II, IV-VII; S=13	Broken
	1	Fragment of left astragalus	L=RGP II, IV-VII; S=13	Charred
	1	Right humerus with a portion of medial condyle	L=RGP II, IV-VII; S=13	Broken
	1	Fragment of left astragalus	L=RGP II, IV-VII; S=13	Broken
	1	Left fused navicular and cuboid of proximal tarsal	L=RGP II, IV-VII; S=13	Broken
	1	Right astragalus	L=RGP II, O-II; S=12	Complete
	1	Proximal fragment of left scapula	L=RGP II, O-II; S=12	Broken
	1	Fragment of blade of scapula	L=RGP II, O-II; S=12	Broken
	2	Distal fragments of 3rd and 4th metacarpal	L=RGP II, O-II; S=12	Broken
	1	Proximal fragment of left scapula	L=RGP II, O-II; S=12	Broken
	1	Proximal fragment of 3rd and 4th metatarsal	L=RGP II, O-II; S=12	Broken
	2	Thoracic vertebra	L=RGP II, O-II; S=12	Broken
	1	Proximal fragment of right scapula	L=RGP II, O-II; S=12	Broken
	1	Left 1st phalanx	L=RGP II, O-II; S=12	Complete
	1	Fragment of 2nd right upper premolar tooth	L=RGP II, O-II; S=12	Broken
	1	Fragment of shaft of Ilium of right pelvis	L=RGP II, O-II; S=12	Broken
	1	Right astragalus	L=RGP V, XI_XIII S=20	Complete
1	Left upper 1st molar tooth	L=RGP V, XI_XIII S=20	Broken	

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	Fragment of 1st phalanx	L=RGP V, XI_XIII S=20	Broken
	1	Distal fragment of 3rd and 4th metacarpal	L=RGP II, II-V, S=12	Broken
	1	Distal fragment of right tibia	L=RGP II, II-V, S=12	Broken
	1	Left astragalus	L=RGP II, II-V, S=12	Complete
	1	1st upper left molar tooth	L=RGP II, II-V, S=12	Broken
	1	Distal fragment of 1st phalanx of hind foot	L=RGP II, II-V, S=12	Broken
	1	Right 2nd phalanx of fore limb	L=RGP II, II-V, S=12	Broken
	1	Upper 3rd molar tooth	L=RGP II, II-V, S=12	Broken
	1	Distal fragment of 1st phalanx of fore limb	"	Broken
	1	Distal fragment of left humerus with medial and lateral condyle	L=RGP V, XI-XIII; S=21	Broken
	1	Cervical vertebra	L=RGP II, II-V, S=12	Broken
	1	Thoracic vertebra	L=RGP II, II-V, S=12	Broken
	1	Left 1st phalanx	L=RGP II, II-V, S=12	Complete
	1	Distal fragment 3rd and 4th metatarsal	L=RGP II, II-V, S=12	Broken
	1	Proximal fragment of right radius	L=RGP II, II-V, S=12	Broken
	1	Distal fragment of left humerus with medial condyle	L=RGP II, II-V, S=12	Broken
	1	Lumber vertebra	L=RGP II, II-V, S=12	Broken
	1	Right navicular and cuboid of proximal tarsal	L=RGP II, II-V, S=12	Broken
	1	Right 1st phalanx of fore foot	L=RGP II, II-V, S=12	Complete
	1	Proximal fragment of 3rd and 4th metacarpal	L=RGP II, II-V, S=12	Broken

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	Proximal fragment of of left femur with a portion of head and throchanter minor and trochanter fossa	L=RGP II, II-V, S=12	Broken
	1	Proximal fragment of left humerus with lateral tuberosity of a portion of head with intertuberal groove	L=RGP II, II-V, S=12	Broken
	1	Distal fragment of left tibia	L=RGP I, O-II; S=19	Broken
	1	Proximal fragment of right 3rd and 4th metatarsal	L=RGP I, O-II; S=19	Broken
	1	Fragment of rib	L=RGP I, O-II; S=19	Broken
	1	Distal fragment of right tibia	L=RGP I, II-IV; S=16	Broken
	1	Distal fragment of left tibia	L=RGP I, II-IV; S=16	Broken
	1	Fragment of right pelvis with a portion of acetabulum and ischium	L=RGP I, II-IV; S=16	Broken
	1	Left lower 1st molar tooth	L=RGP I, II-IV; S=16	Sub adult
	1	Fragment of right pelvis and a portion of acetabulum	L=RGP I, II-IV; S=16	Broken
	1	Left lower 2nd molar tooth	L=RGP I, II-IV; S=16	Sub adult
	1	Fragment of head of right femur	L=RGP IV, VI-VIII; S=16	Broken
	1	Right 1st phalanx of fore foot	L=RGP IV, VI-VIII; S=16	Complete
	1	Distal condyle of 3rd and 4th metatarsal	L=RGP IV, VI-VIII; S=16	Broken
	1	Left 2nd phalanx of fore foot	L=RGP IV, VI-VIII; S=16	Sub adult
	1	Right naviculoid navicular and cuboid	L=RGP IV, VI-VIII; S=16	Broken
	1	Right 3rd phalanx of fore foot	L=RGP IV, VI-VIII; S=16	Broken
	1	Right astragalus	L=RGP II, II-IV; S=14	Complete
	1	Left astragalus	L=RGP II, II-IV; S=14	Complete

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	Fragment of vertebra	L=RGP II, II-IV; S=14	Sub adult
	1	Fragment of rib	L=RGP II, II-IV; S=14	Broken
	1	Left scapula with glenoid cavity and a portion of neck	L=RGP II, II-IV; S=15	Broken
	1	Right calcaneum	L=RGP II, II-IV; S=15	Complete
	1	Right lower 1st molar tooth	L=RGP II, II-IV; S=15	Sub adult
	1	Right horizontal ramus of mandible with 3rd molar tooth	L=RGP II, II-IV; S=15	Broken
	1	Fragment of rib	Broken	Broken
	1	Distal fragment of 3rd and 4th metacarpal	L=RGP V, O-II; S=17	Broken
	1	Proximal fragment of right tibia	L=RGP V, O-II; S=17	Broken
	2	Fragment of rib	L=RGP V, O-II; S=17	Broken
	1	Left calcaneum	L=RGP I, O-II; S=20	Complete
	2	Proximal fragments of 1st phalanx	L=RGP I, O-II; S=20	Broken
	2	Thoracic vertebra	L=RGP I, O-II; S=20	Broken
	1	Proximal fragment of 3rd and 4th metacarpal	L=RGP I, O-II; S=20	Broken
	3	Fragments of rib	L=RGP VI, O-X; S=17 and 18	Broken
	1	Vertical ramus of right mandible	L=RGP VI, O-X; S=17 and 18	Broken
	1	Cervical vertebra with a portion of transverse process with foramen	L=RGP VI, O-X; S=17 and 18	Broken
	1	Left upper 1st molar tooth	L=RGP VI, O-X; S=17 and 18	Charred
	1	Proximal fragment of right radius	L=RGP VI, O-X; S=17 and 18	Broken
	1	Proximal end of right radius	L=RGP II, VIII-X; S=11	Broken
1	Shaft of thoracic rib	L=RGP II, VIII-X; S=11	Broken	

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	Left calcaneum	L=RGP II, VIII-X; S=11	Complete
	1	Left 2nd phalanx of fore foot	L=RGP II, VIII-X; S=11	Complete
	1	Left upper 1st molar tooth	L=RGP II, VIII-X; S=11	Charred
	1	Left horizontal ramus of mandible with 1st, 2nd and 3rd molar teeth	L=RGP II, XVIII-XXII; S=15	Sub adult
	2	Left scapula with glenoid cavity	L=RGP VI, O-X; S=19	Broken
	1	Distal fragment of right humerus with lateral condyle and lateral epicondyle	L=RGP VI, O-X; S=19	Broken
	1	Atlas vertebra	L=RGP VI, O-X; S=19	Broken
	1	Right astragalus	L=RGP VI, O-X; S=19	Complete
	1	Right combined scapho-cuboid	L=RGP VI, O-X; S=19	Broken
	1	2nd condyle of 3rd and 4th metatarsal	L=RGP VI, O-X; S=19	Broken
	1	Proximal fragment of left 3rd and 4th metacarpal	L=RGP VI, O-X; S=19	Broken
	1	Fragment of rib	L=RGP VI, O-X; S=19	Broken
	1	Fragment of left 3rd and 4th metatarsal	L=RGP II, XVIII-XXII; S=2	Broken
	1	Horizontal ramus of mandible with 3rd molar tooth	L=RGP II, XVIII-XXII; S=2	Broken
	1	Thoracic vertebra	L=RGP II, XVIII-XXII; S=2	Broken
	1	Thoracic vertebra with broken spine	L=RGP II, II-VIII; S-12	Broken
	1	Proximal fragment of left tibia with lateral condyle and a portion of shaft	L=RGP II, II-VIII; S-12	Broken
	1	Proximal fragment of right scapula	L=RGP II, II-VIII; S-12	Broken
	1	Proximal fragment of left 3rd and 4th metacarpal	L=RGP II, II-VIII; S-12	Broken

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	Fragment of 3rd and 4th metatarsal without distal epiphysis	L=RGP II, II-VIII; S-12	Sub adult
	1	Distal condyle of 3rd and 4th metatarsal	L=RGP II, II-VIII; S-12	Broken
	1	Right 1st phalanx of fore foot	L=RGP II, II-VIII; S-12	Complete
	1	Right 2nd phalanx of fore foot	L=RGP II, II-VIII; S-12	Complete
	1	Left 1st phalanx of hind foot	L=RGP II, II-VIII; S-12	Complete
	1	Right scaphoid of right proximal carpus	L=RGP II, II-VIII; S-12	Broken
	3	Left lower molar teeth	L=RGP II, II-VIII; S-12	Complete
	1	Fragment of 1st incisor tooth	L=RGP II, II-VIII; S-12	Broken
	1	3rd lower molar tooth	L=RGP II, II-VIII; S-12	Complete
	2	Fragments of rib	L=RGP II, II-VIII; S-12	Broken
	1	Distal fragment of 3rd and 4th metacarpal	L=RGP II, O-II; S=13	Broken
	1	Right calcaneum	L=RGP II, II-VIII; S-12	Complete
	1	Sacrum with navicular facet	L=RGP II, II-VIII; S-12	Broken
	2	Right combined navicular cuboid	L=RGP V, XI-XIII; S=16	Sub adult
	1	Proximal fragment of right 3rd and 4th metacarpal	L=RGP V, XI-XIII; S=16	Broken
	2	Proximal fragment of Left 3rd and 4th metacarpal	L=RGP V, XI-XIII; S=16	Broken
	1	Distal fragment of tibia with medial malleolus	L=RGP V, XI-XIII; S=16	Broken
	1	Fragment of lumber vertebra	L=RGP V, XI-XIII; S=16	Broken
	1	Thoracic vertebra	L=RGP V, XI-XIII; S=16	Broken
	1	Left 1st phalanx of fore foot	L=RGP V, XI-XIII; S=16	Complete
2	Left 2nd phalanx of hind foot	L=RGP V, XI-XIII; S=16	One sub adult and one charred	

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	3	Thoracic rib	L=RGP II, V-VIII; 16	Broken
	1	Distal fragment of right tibia	L=RGP II, V-VIII; 16	Broken
	1	Right astragalus	L=RGP II, V-VIII; 16	Complete
	1	Right navicular and cuboid (fused)	L=RGP II, V-VIII; 16	Broken
	1	Proximal fragment of right radius with medial and articular surface	L=RGP I, O-II; S=17	Broken
	1	Proximal fragment of right metatarsal	L=RGP I, O-II; S=17	Broken
	1	Proximal fragment of right 1st phalanx of fore foot	L=RGP I, O-II; S=17	Broken
	1	Right pelvis with a portion of acetabulum and pubis	L=RGP I, O-II; S=17	Broken
	1	Right upper molar tooth	L=RGP I, O-II; S=17	Sub adult
	1	Fragment of horn core	L=RGP I, O-II; S=17	Broken
	1	Right pelvis with a portion of acetabulum and ischium	L=RGP I, O-II; S=17	Broken
	1	Atlas vertebra with right anterior articular surface and right ventral arch	L=RGP V, XIX-XXII; S=22	Broken
	1	Fragment of head of femur	L=RGP V, XIX-XXII; S=22	Broken
	1	Right occipital condyle of skull	L=RGP V, XIX-XXII; S=22	Broken
	1	Left astragalus	L=RGP V, IX-XI; S=16 and 19	Complete
	1	Right navicular and cuboid of proximal tarsal (fused)	L=RGP V, IX-XI; S=16 and 19	Broken
	1	Proximal fragment of right radius	L=RGP V, IX-XI; S=16 and 19	Broken
	1	Proximal fragment of right 3rd and 4th metacarpal	L=RGP V, O-II; S=19	Broken
	1	Proximal fragment of left tibia	L=RGP V, O-II; S=19	Broken

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	2	Fragments of right humerus with lateral condyle	L=RGP V, O-II; S=19	Broken
	1	Distal fragment of 3rd and 4th metacarpal with condyle	L=RGP V, O-II; S=19	Broken
	1	Condyle of 3rd and 4th metatarsal	L=RGP V, O-II; S=19	Broken
	1	Fragment of lumber vertebra	L=RGP V, O-II; S=19	Broken
	1	1st phalanx of fore foot	L=RGP V, X-XI; S=20	Complete
	1	Distal fragment of left tibia	L=RGP V, X-XI; S=20	Broken
	1	Fragment of rib	L=RGP V, IV-VI; S=20	Broken
	1	Distal fragment of 3rd and 4th metatarsal	L=RGP V, IV-VI; S=20	Broken
	2	Distal fragments of left tibia	L=RGP V, IV-VI; S=20	Broken
	1	Distal fragment of humerus	L=RGP V, IV-VI; S=20	Broken
	1	Distal fragment of tibia	L=RGP V, IV-VI; S=20	Broken
	1	Fragment of pelvis	L=RGP V, IV-VI; S=20	Broken
	1	Left calcaneum	L=RGP V, IV-VI; S=20	Broken
	1	Right calcaneum	L=RGP V, IV-VI; S=20	Complete
	1	2nd phalanx	L=RGP V, IV-VI; S=20	Broken
	1	Left lower 1st molar tooth	L=RGP V, IV-VI; S=20	Charred
	1	Fragment of right astragalus	L=RGP V, O-II; S=20, 21 and 22	Broken
	1	Right calcaneum	L=RGP V, II-IV; S=20	Complete
	1	Fragment of left pelvis	L=RGP V, II-IV; S=20	Broken
	1	Fragment of head of femur	L=RGP V, O-IV; S=15, 16 and 17	Broken
	1	Distal fragment of right radius	L=RGP V, O-IV; S=15, 16 and 17	Broken
	1	Distal fragment of 1st phalanx	L=RGP V, O-IV; S=15, 16 and 17	Broken
	1	Distal fragment of right tibia	L=RGP II, VIII-X; S=14	Broken

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	Lumber vertebra	L=RGP V, VI-VIII; S=20	Broken
	1	1st phalanx of fore foot	L=RGP V, VI-VIII; S=20	Complete
	1	Left calcaneum	L=RGP V, VI-VIII; S=20	Complete
	3	Left lower 2nd premolar teeth	L=RGP V, VI-VIII; S=20	Complete
	1	Proximal fragment of left femur	L=RGP V, II-IV; S=14	Broken
	1	Distal fragment of right femur	L=RGP V, II-IV; S=14	Broken
	1	Fragment of lumber vertebra	L=RGP V, II-IV; S=14	Broken
	2	Proximal fragments of right radius	L=RGP V, II-IV; S=14	Broken
	2	Left astragalus	L=RGP V, II-IV; S=14	Complete
	1	Head of right femur	L=RGP V, II-IV; S=14	Broken
	1	Distal fragment of left tibia	L=RGP V, II-IV; S=14	Broken
	1	Proximal fragment of left radius	L=RGP V, II-IV; S=14	Broken
	2	Distal fragments of 3rd and 4th metacarpal	L=RGP V, II-IV; S=14	Broken
	1	Fragment of right pelvis	L=RGP V, II-IV; S=14	Broken
	2	Right astragalus	L=RGP V, II-IV; S=14	Complete
	1	Proximal fragment of right femur	L=RGP V, II-IV; S=14	Broken
	1	Proximal fragment of thoracic rib	L=RGP V, II-IV; S=14	Broken
	1	Right 1st phalanx of fore foot	L=RGP V, II-IV; S=14	Broken
	1	Fragment of right mandible with teeth	L=RGP V, II-IV; S=14	Broken
	1	Fragment of right upper jaw	L=RGP V, II-IV; S=14	Broken
	1	Left 2nd phalanx of fore foot	L=RGP II, O-II; S=11	Complete
	1	Left 1st phalanx of fore foot	L=RGP II, O-II; S=11	Broken
1	Left astragalus	L=RGP II, O-II; S=11	Broken	

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
	1	Fragment of lumber vertebra	L=RGP II, O-II; S=11	Broken
<i>Bubalus bubalis</i> (Linn.)	1	Distal fragment of left tibia	L=RGP I, O-II; S=18	Broken
	1	Proximal fragment of left 3rd and 4th metatarsal	L=RGP V, IV-VIII; S=19	Broken
	1	Distal fragment of right tibia	L=RGP V, IV-VIII; S=19	Broken
	1	Right astragalus	L=RGP I, O-II; S=20	Complete
<i>Capra hircus aegagrus</i> Erxl.	1	Distal fragment of left tibia	L=RGP I, O-II; S=18	Broken
	1	Right radius	L=RGP II, O-II; S=12	Complete
	1	Proximal fragment of large metatarsal	L=RGP II, O-II; S=12	Broken
	1	Fragment of lower molar tooth	L=RGP II, O-II; S=12	Broken
	1	Distal fragment of right humerus	L=RGP II, O-II; S=13	Broken
	1	Proximal fragment of left humerus	L=RGP II, II-VII; S=12	Broken
	1	Lumber vertebra	L=RGP II, II-VII; S=12	Broken
	1	Distal fragment of right humerus with medial and lateral condyles, coronoid and olecranon fossa	L=RGP II, II-V; S=12	Broken
<i>Ovis vignei</i> Blyth	1	Horn core	L=RGP II, XVIII-XXII; S=11	Broken
	1	Distal fragment of left humerus	L=RGP II, II-V; S=12	Broken
	1	Fragment of jaw with 1st upper molar tooth	L=RGP II, II-V; S=12	Broken
	1	Fragment of left pelvis	L=RGP II, II-IV; S=15	Broken
	1	Fragment of left horizontal ramus of mandible with 3rd molar tooth	L=RGP V, O-II; S=20	Broken

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
	1	Right lower 2nd molar tooth	L=RGP V, O-II; S=20	Complete
	1	Fragment of left ramus of mandible with 1st molar tooth	L=RGP V, O-II; S=20	Complete
	1	Right lower 3rd molar tooth	L=RGP II,XI-XVI; S=10	Complete

Culture : Post Harappa culture (Period III)

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Turbinella pyrum</i> (Linn.)	1	Fragment of shell	L=RGP II, VIII-XI; S=2	Broken
	1	Fragment of shell	L=RGP I, O-II; S=3	Broken
<i>Chitra indica</i> Gray	2	Fragment of epiplastron	L=RGP I, VI-VIII; S=10	Broken
<i>Canis familiaris</i> Linn.	1	Right ramus of mandible without tooth	L=RGP II, O-II; S=10	Broken
<i>Equus</i> sp. indet.	1	Right magnum of right distal raw	L=RGP V, II-IV; S=10	Broken
	1	Right upper 2nd molar tooth	L=RGP V, II-IV; S=10	Broken
<i>Sus scrofa cristatus</i> Wagner	1	Fragment of axis vertebra	L=RGPV, XVI-XXI; S=10	Broken
	1	Fragment of right upper jaw with teeth	L=RGP V, XIII-XVI; S 11	Sub adult
	1	Fragment of right ramus of mandible	L=RGP V, XIII-XVI; S 11	Broken
	1	Fragment of left ramus of mandible	L=RGP V, XIII-XVI; S 11	Broken
	1	Right lower 2nd molar tooth	L=RGP V, XIII-XVI; S 11	Complete
	1	Distal fragment of left scapula	L=RGP V, XIII-XVI; S 11	Broken
	1	Distal fragment of right tibia	L=RGP V, XIII-XVI; S 11	Broken
	1	Proximal fragment of left scapula	L=RGP V, XIII-XVI; S 11	Broken

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Sus scrofa cristatus</i> Wagner	1	Distal fragment of left femur with medial condyle	L=RGP I, II-IV; S=Nil	Broken
	1	Fragment of shaft of humerus	L=RGP I, II-IV; S=Nil	Broken
	1	Left mandible with a portion of vertical ramus	L=RGP I, II-IV; S=Nil	Broken
	1	Right maxilla with 4th premolar and 1st and 2nd molar teeth	L=RGP I, II-IV; S=Nil	Broken
	1	Left maxilla with 4th premolar and 1st and 2nd molar teeth	L=RGP I, II-IV; S=Nil	Broken
	1	Fragment of right maxilla with socket	L=RGP I, IV-VII; S=5	Broken
	1	Left horizontal ramus of mandible without teeth	L=RGP I, IV-VII; S=5	Broken
	1	Distal fragment of right humerus with medial part	L=RGP I, IV-VII; S=3	Broken
	1	Fragment of right horizontal ramus of mandible with 2nd, 3rd and 4th premolar and 1st molar tooth	L=RGP I, IV-VII; S=3	Broken
	1	Proximal fragment of right scapula with glenoid cavity and neck	L=RGP I, IV-VII; S=3	Broken
	1	Right ramus of mandible with teeth	L=RGP V, VI-VII; S=10	Broken
	1	Right ramus of mandible without teeth	L=RGP V, VI-VII; S=10	Broken
	1	Left ramus of mandible with 3rd and 4th premolar and 1st molar teeth	L=RGP V, XIII-XVI; S=9	Sub adult
	1	Fragment of axis vertebra	L=RGP V, XIII-XVI; S=9	Broken
	1	Distal fragment of left femur with medial and lateral condyles and trochlea	L=RGP I, II-IV; S=12	Broken
	1	Fragment of left upper jaw with 2nd molar tooth	L=RGP I, II-IV; S=12	Broken
1	Atlas vertebra	L=RGP II, II-V; S=7	Broken	

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Sus scrofa cristatus</i> Wagner	1	Left lower mandible with 3rd molar tooth	L=RGP II, II-V; S=7	Broken
	2	Fragments of teeth	L=RGP II, II-V; S=7	Broken
	1	Horizontal ramus of right mandible without teeth	L=RGP VI, O-XI; S=19	Broken
	1	Distal fragment of left humerus	L=RGP I, II-IV; S=8	Charred
	1	Distal fragment of left humerus	L=RGP V, II-IV; S=7	Broken
	1	Left ramus of mandible with 1st premolar and 3rd, 4th molar tooth	L=RGP V, II-IV; S=7	Broken
	1	Fragment of left horizontal ramus of mandible without teeth	L=RGP I, IV-VII; S=10	Broken
	1	Proximal fragment of left femur without epiphysis	L=RGP V, II-IV; S=12	Broken
	1	Left horizontal ramus of mandible with 2nd molar tooth	L=RGP V, II-IV; S=12	Broken
	1	Distal fragment of right radius	L=RGP VI, VIII-X; S=4	Broken
	1	Right upper 2nd molar tooth	L=RGP VI, VIII-X; S=4	Broken
	1	Right ramus of mandible with 3rd molar tooth	L=RGP VI, VIII-X; S=4	Broken
	1	Left lower jaw with canine and 1st, 2nd and 3rd premolar teeth	L=RGP I, O-II; S=8	Broken
	1	Proximal fragment of radius	L=RGP I, O-II; S=6	Broken
	1	Distal fragment of left radius	L=RGP I, O-II; S=6	Broken
	1	Fragment of left upper jaw with teeth	L=RGP I, O-II; S=6	Broken
	1	Left lower 3rd molar tooth	L=RGP I, O-II; S=6	Broken
	1	Fragment of right maxilla with 2nd and 3rd premolar teeth	L=RGP I, O-II; S=6	Sub adult

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Sus scrofa cristatus</i> Wagner	1	Lower jaw with 1st incisor of both side	L=RGP II, O-II; S=4	Broken
	1	Right mandible with 2nd and 3rd molar teeth	L=RGP II, O-II; S=4	Broken
	1	Left astragalus	L=RGP II, O-II; S=4	Complete
	1	Right maxilla with 1st, 2nd molar and 4th premolar tooth	L=RGP V, XII-XVI; S=13	Eroded
	1	Distal fragment of left femur	L=RGP V, XII-XVI; S=13	Broken
	1	1st phalanx of hind foot	L=RGP V, XII-XVI; S=13	Broken
	1	Left calcaneum	L=RGP VI, VIII-X; S=7	Complete
	1	Distal fragment of right tibia	L=RGP II, II-IV; S=7	Broken
	1	Right upper 2nd molar tooth	L=RGP I, II-IV; S=4	Broken
	1	Right horizontal ramus of mandible with 2nd molar tooth	L=RGP I, II-IV; S=9	Broken
	1	Distal fragment of humerus	L=RGP II, O-II; S=3	Broken
	1	Distal fragment of left humerus	L=RGP II, II-V; S=7	Broken
	1	Distal fragment of left humerus	L=RGP II, VIII-XI; S=7	Broken
	1	Left calcaneum	L=RGP II, VIII-XI; S=8	Complete
	1	Right 4th metatarsal	L=RGP II, VIII-XI; S=8	Broken
	1	Distal fragment of left humerus with distal epiphysis	L=RGP II, O-II; S=10	Broken
	1	Fragment of left ramus of mandible with 3rd molar tooth	L=RGP V, IX-XVI; S=10	Broken
	1	Proximal fragment of scapula with glenoid cavity	L=RGP V, XI-XIII S=12,14,15	Broken
	1	Fragment of right horizontal ramus of mandible with 3rd and 4th premolar and 1st molar teeth	L=RGP V, XIX-XXII; S=10	Broken

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Sus scrofa cristatus</i> Wagner	1	Right 3rd upper molar tooth	L=RGP V, XIX-XXII; S=10	Broken
	1	Right upper jaw with 4th premolar, 1st, 2nd and 3rd molar tooth	L=RGP II, XVIII-XXII; S=9	Broken
	1	Axis vertebra	L=RGP V, IX-XVI; S=10	Broken
	1	Left astragalus	L=RGP V, IX-XVI; S=10	Complete
	1	Fragment of left maxilla with 1st to 3rd premolar teeth	L=RGP VI, V-VIII; S=6	Broken
	1	Distal fragment of left humerus	L=RGP VI, IV-VI; S=3	Broken
	1	Fragment of thoracic vertebra	L=RGP I, II-V; S=5	Broken
	1	Fragment of rib	L=RGP I, II-V; S=5	Broken
	1	Right calcaneum	L=RGP I, II-V; S=5	Complete
	1	Right upper 2nd molar tooth	L=RGP II, O-II; S=8	Broken
	1	Left lower 2nd molar tooth	L=RGP VI, VIII-XI; S=8	Broken
	1	Fragment of right ramus of mandible with 2nd molar tooth	L=RGP I, O-II; S=4	Broken
	1	Fragment of left molar tooth	L=RGP I, O-II; S=4	Broken
	1	Right ramus of mandible with 1st, 2nd and 3rd pre molar teeth	L=RGP II, VIII-XI; S=2	Broken
	1	Left upper 3rd molar tooth	L=RGP I, IV-VII; S=7	Complete
	1	Distal fragment of right tibia	L=RGP I, IV-VII; S=7	Broken
	1	Distal fragment of right metatarsal	L=RGP I, IV-VII; S=7	Sub adult
	1	Fragment of left horizontal ramus of mandible with 1st and 2nd molar teeth	L=RGP I, IV-VII; S=7	Broken
	1	Proximal fragment of 3rd and 4th metacarpals	L=RPG I, IV-VII; S=6	Broken
	1	Fragment of right upper molar tooth	L=RPG I, IV-VII; S=6	Broken

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Sus scrofa cristatus</i> Wagner	1	Proximal fragment left femur	L=RPG I, IV-VII; S=6	Broken
	1	Lumber vertebra	L=RPG I, IV-VII; S=6	Broken
	1	Fragment of upper canine	L=RPG I, IV-VII; S=6	Charred
	1	Shaft of thoracic rib	L=RPG I, IV-VII; S=6	Broken
	1	Proximal fragment of 3rd and 4th metatarsal	L=RPG I, IV-VII; S=6	Broken
<i>Cervus unicolor</i> Kerr.	1	Portion of antler	Unknown	Broken
<i>Bos indicus</i> Linn.	1	Distal fragment of 3rd and 4th metatarsal	L=RGP V, Vi-VIII; S=6	Broken
	1	Fragment of tubercalsis of right calcaneum	L=RGP V, Vi-VIII; S=6	Broken
	1	Right astragalus	L=RGP V, Vi-VIII; S=6	Complete
	1	Distal fragment of right humerus	L=RGP V, VI-VIII; S=9 and 10	Broken
	1	Right astragalus	L=RGP V, VI-VIII; S=9 and 10	Complete
	1	Right 1st phalanx	L=RGP VI,O-X; S=3	Sub adult
	1	Fragment of thoracic vertebra	L=RGP VI,O-X; S=3	Broken
	1	Fragment of rib	L=RGP VI,O-X; S=3	Broken
	1	Distal fragment of left tibia	L=RGP VI,O-X; S=3	Broken
	1	Left 1st phalanx of fore foot	L=RGP VI,O-X; S=3	Complete
	1	Single condyle of 3rd and 4th metatarsal	L=RGP VI,O-X; S=3	Broken
	1	Proximal fragment of right tibia	L=RGP VI,O-X; S=3	Broken
	1	Fragment of 1st phalanx	L=RGP II, O-II; S=5	Broken
	1	Lumber vertebra	L=RGP II, O-II; S=5	Broken
	2	Fragments of rib	L=RGP II, O-II; S=5	Broken
	1	Thoracic vertebra	L=RGP II, O-II; S=5	Broken
	1	Fragment of 3rd and 4th metatarsal	L=RGP II, O-II; S=5	Broken

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	Fragment of head of scapula	L=RGP II, O-II; S=5	Broken
	1	Left 2nd phalanx	L=RGP II, O-II; S=5	Complete
	1	Proximal fragment of left scapula	L=RGP II, O-II; S=5	Broken
	1	1st right lower molar tooth	L=RGP II, O-II; S=5	Broken
	1	Left patella	L=RGP II, O-II; S=5	Broken
	1	Proximal fragment of right femur	L=RGP II, VI-VIII; S=8	Broken
	1	Thoracic vertebra	L=RGP II, VI-VIII; S=8	Broken
	1	Distal fragment of left radius	L=RGP II, VI-VIII; S=8	Broken
	1	Left astragalus	L=RGP II, VI-VIII; S=8	Complete
	1	Right astragalus	L=RGP II, VI-VIII; S=8	Complete
	1	Right navicular and cuboid of proximal tarsal	L=RGP II, VI-VIII; S=8	Broken
	1	Proximal fragment of right femur	L=RGP II, VI-VIII; S=8	Broken
	1	Right trapezoid	L=RGP II, VI-VIII; S=8	Broken
	1	Atlas vertebra	L=RGP II, VI-VIII; S=8	Broken
	1	Left trapezoid	L=RGP II, VI-VIII; S=8	Broken
	1	Fragment of spinal process of lumber vertebra	L=RGP II, VI-VIII; S=8	Broken
	1	Left astragalus	L=RGP II, II-V; S=7	Broken
	1	1st phalanx	L=RGP II, II-V; S=7	Complete
	1	Proximal fragment of right 3rd and 4th metatarsal	L=RGP II, II-V; S=7	Broken
	1	Fragment of rib	L=RGP II, II-V; S=7	Broken
	1	Right astragalus	L=RGP II, II-V; S=7	Complete
	2	Right 2nd phalanx	L=RGP II, II-V; S=7	One complete
	1	Fragment of right radius	L=RGP II, II-V; S=7	Broken
	1	Fragment of calcaneum	L=RGP II, II-V; S=7	Broken
	1	Right upper 2nd molar tooth	L=RGP II, II-V; S=7	Complete

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	Right upper 1st molar tooth	L=RGP II, II-V; S=7	Broken
	5	Right astragali	L=RGP VI, XIII-X; S=8	3 broken and 2 complete
	5	Left astragali	L=RGP VI, XIII-X; S=8	2 broken and 3 complete
	2	Fragments of head of femur	L=RGP VI, XIII-X; S=8	Broken
	1	Distal fragment of right femur	L=RGP VI, XIII-X; S=8	Broken
	1	Proximal fragment of left tibia	L=RGP VI, XIII-X; S=8	Broken
	1	Fragment of trochlea of right femur	L=RGP VI, XIII-X; S=8	Broken
	1	Lumber vertebra	L=RGP VI, XIII-X; S=8	Broken
	1	Fragment of left horizontal ramus of mandible with 2nd and 3rd premolar teeth	L=RGP VI, XIII-X; S=8	Broken
	1	Fragment of right pelvis with a portion of acetabulum and ischium	L=RGP VI, XIII-X; S=8	Broken
	1	Fragment of right calcaneum	L=RGP VI, XIII-X; S=8	Broken
	1	Fragment of left pelvis with a portion of acetabulum and a part of shaft of illium	L=RGP VI, XIII-X; S=8	Broken
	1	Fragment of right calcaneum	L=RGP VI, XIII-X; S=8	Broken
	1	Fragment of right pelvis	L=RGP VI, XIII-X; S=8	Chopped mark
	1	Proximal fragment of right ulna with a portion of olecranon process	L=RGP VI, O-X; S=8	Chopped mark
	1	Distal fragment of 3rd and 4th metatarsal	L=RGP VI, O-X; S=8	Chopped mark
	6	Fragments of rib	L=RGP VI, O-X; S=8	Chopped mark
	1	4th cervical vertebra	L=RGP I, IV-VII; S=7	Chopped mark

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	Proximal fragment of 3rd and 4th metatarsal	L=RGP I, IV-VII; S=7	Chopped mark
	1	3rd phalanx of fore foot	L=RGP I, IV-VII; S=7	Chopped mark
	1	Fragment of left radius	L=RGP I, IV-VII; S=7	Chopped mark
	1	1st phalanx	L=RGP I, IV-VII; S=7	Complete
	1	Proximal fragment of 1st phalanx	L=RGP I, IV-VII; S=7	Broken
	1	Fragment of rib	L=RGP I, IV-VII; S=7	Broken
	1	Right astragalus	L=RGP I, IV-VII; S=7	Complete
	1	Proximal fragment of scapula with glenoid cavity	L=RGP V, XVIII-XXII S=2	Broken
	1	Left 2nd phalanx of hind foot	L=RGP V, XVIII-XXII S=2	Complete
	1	Proximal fragment of right radius	L=RGP II, 0-II; S=3	Broken
	1	Left 1st phalanx of fore foot	L=RGP II, 0-II; S=3	Complete
	1	Fragment of rib	L=RGP II, 0-II; S=3	Broken
	1	Left 2nd phalanx of fore foot	L=RGP II, 0-II; S=3	Complete
	1	Proximal fragment of right ulna	L=RGP II, V-VII; S=3	Broken
	1	Distal fragment of left tibia	L=RGP II, V-VII; S=3	Broken
	1	Right 1st phalanx of fore foot	L=RGP II, V-VII; S=3	Complete
	1	Right calcaneum	L=RGP II, V-VII; S=3	Complete
	1	Thoracic vertebra	L=RGP II, 0-II; S=3	Broken
	1	Right 3rd premolar	L=RGP II, 0-II; S=3	Complete
	1	Fragment of shaft of femur	L=RGP II, 0-II; S=3	Broken
	1	Right 1st molar tooth	L=RGP II, 0-II; S=3	Broken
	1	Caudal vertebra	L=RGP II, XII-XIV; S=3	Broken
	1	Right lower 1st molar tooth	L=RGP II, XII-XIV; S=3	Complete
	1	Fragment of rib	L=RGP II, V-VII; S=3	Broken

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	Distal fragment of right femur	L=RGP II, V-VII; S=3	Broken
	2	Distal condyle of 3rd and 4th metapodides	L=RPG II, XII-XV; S=3	Broken
	1	Fragment of rib	L=RPG II, XII-XV; S=3	Broken
	1	Fragment of lower molar tooth	L=RPG II, XII-XV; S=3	Broken
	1	Fragment of 3rd cervical vertebra	L=RGP V, IX-XI; S=3 and 5	Broken
	1	Fragment of 7th cervical vertebra	L=RGP V, IX-XI; S=3 and 5	Broken
	1	Fragment of rib	L=RGP V, O=II; S=3 and 5	Charred
	1	Fragment of right humerus	L=RGP II, XI-XVI; S=8	Broken
	4	Proximal fragments of scapula	L=RGP II, XI-XVI; S=8	Broken
	1	Fragment of right astragalus	L=RGP II, XI-XVI; S=8	Broken
	1	Fragment of rib	L=RGP II, XI-XVI; S=8	Broken
	1	Right 1st molar tooth	L=RGP II, XI-XVI; S=8	Broken
	1	Fragment of thoracic vertebra	L=RGP II, XI-XVI; S=8	Broken
	1	Right 3rd phalanx of fore foot	L=RGP II, XI-XVI; S=8	Complete
	1	Proximal fragment of left radius	L=RGP II, VIII-XI; S=10	Broken
	1	Distal fragment of 3rd and 4th metacarpal	L=RGP II, VIII-XI; S=10	Broken
	1	Body of thoracic vertebra	L=RGP II, VIII-XI; S=10	Broken
	1	Body of left lunate	L=RGP II, VIII-XI; S=10	Broken
	1	Fragment of right radius	L=RGP II, VIII-XI; S=10	Broken
	1	2nd left upper molar tooth	L=RGP II, VIII-XI; S=10	Complete
	1	Fragment of scaphoid	L=RGP II, VIII-XI; S=10	Broken
1	Fragment of right pelvis	L=RGP V, II-VII; S=10	Broken	

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	Fragment of right humerus	L=RGP V, II-VII; S=10	Broken
	2	Head of right femur	L=RGP V, II-VII; S=10	Broken
	1	Left calcaneum	L=RGP V, II-VII; S=10	Complete
	1	Distal fragment of 3rd and 4th metacarpal	L=RGP V, II-VII; S=10	Broken
	2	Fragments of lumber vertebra	L=RGP V, II-VII; S=10	Broken
	1	Thoracic vertebra	L=RGP V, II-VII; S=10	Broken
	1	Distal fragment of right humerus	L=RGP V, II-VII; S=10	Broken
	2	Right astragali	L=RGP V, II-VII; S=10	Complete
	1	Left astragalus	L=RGP V, II-VII; S=10	Complete
	1	Lower 2nd molar tooth	L=RGP V, II-VII; S=10	Complete
	1	Left 1st phalanx of fore foot	L=RGP V, II-VII; S=10	Complete
	2	Head of right femur	L=RGP V, II-VII; S=10	Broken
	1	Fragment of lumber vertebra	L=RGP V, II-VII; S=10	Broken
	1	Proximal fragment of left scapula	L=RGP V, II-VII; S=10	Broken
	1	Distal condyle of 3rd and 4th metacarpal	L=RGP V, II-VII; S=10	Broken
	2	Fragments of rib	L=RGP VI, VI-VIII; S=20	Broken
	1	Fragments of left pelvis	L=RGP VI, VI-VIII; S=20	Broken
	1	Fragment of right mandible	L=RGP VI, VI-VIII; S=20	Broken
	1	1st phalanx	L=RGP VI, VI-VIII; S=20	Complete
	1	Right astragalus	L=RGP II, O-II; S=8	Complete
	1	Proximal fragment of left 3rd and 4th metacarpal	L=RGP II, O-II; S=8	Broken
	1	Left astragalus	L=RGP II, O-II; S=8	Complete
	1	Fragment of 1st molar tooth	L=RGP II, O-II; S=8	Complete
	1	Proximal fragment of 3rd and 4th metatarsal	L=RGP II, O-II; S=8	Broken
	2	Distal fragments of right humerus	L=RGP I, IV-VII; S=6	Broken

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	Spinous process of thoracic vertebra with a portion of neural arch	L-RGP I, IV-VII; S=6	Broken
	1	Right first phalanx of hind foot	L-RGP I, IV-VII; S=6	Complete
	1	Proximal fragment of right scapula	L-RGP I, IV-VII; S=6	Broken
	1	Proximal fragment of rib with head	L-RGP I, IV-VII; S=6	Broken
	1	Fragment of right ulna with a portion of olecranon process	L-RGP I, IV-VII; S=6	Broken
	1	Left 2nd phalanx of hind foot	L-RGP I, IV-VII; S=6	Complete
	1	Right 2nd phalanx of hind foot	L-RGP I, IV-VII; S=6	Complete
	1	Fragment of right tibia	L-RGP I, IV-VII; S=6	Broken
	1	Fragment of left pelvis	L-RGP I, IV-VII; S=6	Broken
	1	Fragment of right pelvis	L-RGP I, IV-VII; S=6	Broken
	1	Fragment of axis vertebra	L-RGP I, IV-VII; S=6	Broken
	1	Proximal fragment of left scapula with tuber scapulae and glenoid cavity and with a portion of spine	L=RGP I, O-II; S=4	Broken
	1	Proximal fragment of left radius	L=RGP I, O-II; S=4	Broken
	3	Fragments of rib	L=RGP I, O-II; S=4	One charred
	1	Left astragalus	L=RGP I, O-II; S=4	Complete
	1	Proximal fragment of 3rd and 4th metatarsal	L=RGP I, O-II; S=4	Broken
	1	Distal fragment of right tibia	L=RGP I, O-II; S=4	Broken
	1	Left 3rd lower molar tooth	L=RGP I, O-II; S=4	Complete
	1	Right upper 1st molar tooth	L=RGP I, O-II; S=4	Complete
	1	Right 1st premolar tooth	L=RGP I, O-II; S=4	Broken
1	Proximal fragment of left humerus with head	L=RGP I, IV-VI S=13	Broken	

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	2	Fragments of ribs	L=RGP I, IV-VI S=13	Broken
	1	Coronoid process of right vertical ramus of mandible	L=RGP I, IV-VI S=13	Broken
	1	Fragment of horn core	L=RGP I, IV-VI S=13	Broken
	1	Proximal fragment of left scapula	L=RGP I, IV-VI S=13	Broken
	1	Proximal fragment of right ulna with a portion of olecranon process	L=RGP I, IV-VI S=13	Broken
	1	Right calcaneum	L=RGP I, IV-VI S=13	Complete
	1	Left phalanx of fore foot	L=RGP I, IV-VI S=13	Sub adult
	1	Fragment of left pelvis	L=RGP I, IV-VI S=13	Broken
	1	Left astragalus	L=RGP VI,VIII-X; S=3	Complete
	1	Distal fragment of right humerus with lateral condyle and lateral epicondyle	L=RGP VI,VIII-X; S=3	Broken
	1	Right calcaneum	L=RGP VI,VIII-X; S=3	Complete
	1	Left lower 1st molar tooth	L=RGP VI,VIII-X; S=3	Complete
	2	Left 2nd phalanx	L=RGP VI,VIII-X; S=3	Complete
	1	Right lower 2nd molar tooth	L=RGP VI,VIII-X; S=3	Complete
	1	Left 1st phalanx of hind foot	L=RGP VI,VIII-X; S=3	Complete
	1	Proximal fragment of rib	L=RGP VI, I-VII; S=10	Broken
	1	Proximal fragment of left radius	L=RGP VI,VIII-X; S=3	Broken
	3	Fragments of thoracic ribs	L=RGP VI,VIII-X; S=3	Broken
	1	Left 2nd phalanx of hind foot	L=RGP I, IV-VII; S=10	Complete
	1	Proximal fragment of shaft of right radius	L=RGP I, IV-VII; S=10	Broken
	1	Left 1st phalanx of front foot	L=RGP I, IV-VII; S=10	Complete
	1	Proximal fragment of right scapula	L=RGP I, IV-VII; S=10	Broken
	1	Fragment of lower jaw with molar tooth	L=RGP I, IV-VII; S=10	Broken

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	Proximal fragment of right scapula with glenoid cavity and tuber scapulae	L=RGPV, O-II; S=16	Broken
	1	Right upper 2nd molar tooth	L=RGPV, O-II; S=16	Broken
	3	Phalanges of hind foot	L=RGPV, O-II; S=16	Broken
	1	Right calcaneum	L=RGPV, O-II; S=16	Complete
	1	Medial condyle of left humerus	L=RGPV, O-II; S=16	Broken
	1	Distal fragment of left femur with lateral condyle	L=RGPV, O-II; S=16	Broken
	1	Diastal condyle of 3rd and 4th metatarsal	L=RGPV, O-II; S=16	Broken
	1	Distal fragment of right humerus with lateral condyle	L=RGPV, O-II; S=16	Broken
	1	Fragment of calcaneum	L=RGPV, O-II; S=16	Broken
	2	Proximal fragments of left pelvis	L=RGPV, O-II; S=16	Broken
	1	Proximal fragment of radius	L=RGPV, O-II; S=16	Broken
	1	Right 2nd phalanx of hind foot	L=RGPV, O-II; S=16	Complete
	1	Lumber vertebra	L=RGPV, O-II; S=16	Broken
	1	Left combined navicular and cuboid of proximal carpus	L=RGPV, O-II; S=16	Broken
	2	Fragments of right scapula	L=RGPV, XIII-XVI; S=11	Broken
	1	Left astragalus	L=RGPV, XIII-XVI; S=11	Complete
	2	Left calcaneum	L=RGPV, XIII-XVI; S=11	Complete
	2	Fragments of lumber vertebra	L=RGPV, XIII-XVI; S=11	Eroded
	1	Fragment of axis vertebra	L=RGPV, XIII-XVI; S=11	Broken
	1	Right 1st phalanx of fore foot	L=RGPV, XIII-XVI; S=11	Complete
	1	Fragment of 3rd and 4th metatarsal	L=RGPV, XIII-XVI; S=11	Broken
	1	Fragment of sternum	L=RGPV, XIII-XVI; S=11	Broken

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	Left horizontal ramus of mandible	L=RGPV, XIII-XVI; S=11	Broken
	1	Left upper 1st molar tooth	L=RGPV, XIII-XVI; S=11	Complete
	3	Fragments of thoracic rib	L=RGPV, XIII-XVI; S=11	Broken
	1	Fragment of head of femur	L=RGPV, XIII-XVI; S=11	Broken
	1	Left upper 1st molar tooth	L=RGP V XI-XIII; S=12, 14, 15.	Complete
	1	Proximal fragment of left humerus with a portion of lateral condyle	L=RGP V XI-XIII; S=12, 14, 15.	Broken
	1	Right astragalus	L=RGP VI,VIII-X; S=5	Complete
	1	Upper 3rd and 1st molar teeth	L=RGP VI,VIII-X; S=5	Complete
	1	Fragment of left horizontal ramus of mandible without teeth	L=RGP VI,VIII-X; S=5	Broken
	2	Fragments of rib	L=RGP VI,VIII-X; S=5	Broken
	1	Fragment of cervical vertebra with a portion right transvers process and neural arch	L=RGP VI,VIII-X; S=5	Broken
	1	Fragment of thoracic vertebra with neural arch	L=RGP VI,VIII-X; S=5	Broken
	1	Right phalanx of hind foot	L=RGP VI,VIII-X; S=5	Broken
	1	Lumber vertebra	L=RGP VI,VIII-X; S=5	Broken
	1	Left upper 1st molar tooth	L=RGP VI,VIII-X; S=5	Complete
	1	Distal fragment of 3rd and 4th metatarsal	L=RGP II, VIII-XI; S=8	Broken
	1	Left astragalus	L=RGP II, VIII-XI; S=8	Complete
	1	Lumber vertebra	L=RGP II, VIII-XI; S=8	Broken
	1	Right lower 1st molar tooth	L=RGP II, VIII-XI; S=8	Broken
	1	Fragment of left horizontal ramus of mandible with teeth	L=RGP II, VIII-XI; S=8	Broken
1	Condyle of 3rd and 4th metatarsal	L=RGP II, VIII-XI; S=8	Broken	

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	Fragment of right molar tooth	L=RGP II, VIII-XI; S=8	Broken
	1	Thoracic vertebra	L=RGP II, VIII-XI; S=8	Sub adult
	1	Fragment of left scapula with glenoid cavity and tuber scapula	L=RGP II, VIII-XI; S=8	Broken
	1	2nd right incisor tooth	L=RGP II, VIII-XI; S=8	Broken
	1	2nd right incisor tooth	L=RGP II, VIII-XI; S=8	Complete
	1	Left upper 2nd molar tooth	L=RGP II, VIII-XI; S=8	Broken
	1	Fragment of right horizontal ramus of mandible with 2nd and 3rd premolar and 1st and 2nd molar tooth	L=RGPV, XVIII-XXI; S=7	Broken
	7	Fragments of rib	L=RGP I, IV-VII; S=7A	One eroded and six broken
	1	Proximal fragment of left scapula with glenoid cavity	L=RGP I, IV-VII; S=7A	Broken
	2	Fragment of left pelvis with acetabulum and pubis	L=RGP I, IV-VII; S=7A	Broken
	1	Fragment of thoracic vertebra	L=RGP I, IV-VII; S=7A	Broken
	1	Distal fragment of 3rd and 4th metacarpal	L=RGP I, IV-VII; S=7A	Broken
	2	Left 2nd phalanx of fore foot	L=RGP I, IV-VII; S=7A	One complete and one charred
	1	Fragment of head of left femur	L=RGP I, IV-VII; S=7A	Broken
	1	Distal condyle of 3rd and 4th metacarpal	L=RGP I, IV-VII; S=7A	Broken
	1	Left lower 2nd molar tooth	L=RGP I, IV-VII; S=7A	Complete
	1	Left 1st phalanx of fore foot	L=RGP I, IV-VII; S=7A	Sub adult
	1	Lower incisor tooth	L=RGP I, IV-VII; S=7A	Complete
	1	Left calcaneum	L=RGPI, II-IV; S=6	Complete

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	Right astragalus	L=RGPI, II-IV; S=6	Complete
	1	Left lower 1st molar tooth	L=RGP I, IV-VII; S=6	Broken
	1	Blade of scapula with spine	L=RGP I, IV-VII; S=6	Broken
	1	Fragment of left femur	L=RGP I, IV-VII; S=6	Broken
	1	Left lower 2nd molar tooth	L=RGP I, IV-VII; S=6	Broken
	1	Fragment of right calcaneum	L=RGP I, IV-VII; S=6	Broken
	1	Left 1st phalanx	L=RGP I, IV-VII; S=6	Complete
	1	Fragment of rib	L=RGP I, IV-VII; S=6	Broken
	1	Fragment of right calcaneum	L=RGP I, IV-VII; S=6	Broken
	1	Left scaphocuboid	L=RGP I, IV-VII; S=6	Broken
	1	Fragment of right calcaneum	L=RGP I, II-III; S=6	Broken
	1	Fragment of 1st phalanx	L=RGP I, IV-VII; S=6	Broken
	1	Distal fragment of 3rd and 4th metatarsal	L=RGP=VI,O-X; S=10	Broken
	1	Proximal fragment of 3rd and 4th metacarpal	L=RGP=VI,O-X; S=10	Broken
	1	Fragment of left pelvis with a portion of acetabulum and ischium	L=RGP=VI,O-X; S=10	Broken
	2	Right 1st phalanx of hind foot	L=RGP=VI,O-X; S=10	Complete
	1	Fragment of anterior portion of right horizontal ramus of mandible with a portion of mental foramina	L=RGP=VI,O-X; S=10	Broken
	1	Right upper 3rd molar tooth	L=RGP=VI,O-X; S=10	Complete
	1	Proximal fragment of right scapula	L=RGP=VI,O-X; S=10	Broken
	1	Proximal fragment of rib with head, neck and tubercle	L=RGP=VI,O-X; S=10	Broken
1	Fragment of shaft of left tibia	L=RGP=VI,O-X; S=10	Broken	
1	Distal fragment of right humerus	L=RGP=VI,O-X; S=10	Broken	

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	Right 1st phalanx of fore foot	L=RGP=VI,O-X; S=10	Complete
	1	Proximal fragment of right radius	L=RGP=VI,O-X; S=10	Broken
	1	Fragment of right upper jaw with 1st and 2nd molar teeth	L=RGP=VI,O-X; S=10	Charred
	1	Left astragalus	L=RGP=VI,O-X; S=10	Complete
	1	Proximal fragment of right scapula	L=RGP=VI,O-X; S=10	Broken
	1	Right upper 1st molar tooth	L=RGP=VI,O-X; S=10	Charred
	1	Fragment of illium of left pelvis	L=RGP=VI,O-X; S=10	Charred
	1	Left upper 1st molar tooth	L=RGP=VI,O-X; S=10	Complete
	1	Fragment of right lunate	L=RGP=VI,O-X; S=10	Broken
	1	Fragment of horizontal ramus of mandible without teeth	L=RGP=VI,O-X; S=10	Charred
	1	Distal fragment of left humerus with radial condyle	L=RGP II, VIII-XI; S=2	Broken
	1	Fragment of rib	L=RGP II, VIII-XI; S=2	Broken
	1	Right 2nd phalanx of fore foot	L=RGP II, VIII-XI; S=2	Complete
	1	Distal fragment of 3rd and 4th metatarsal	L=RGP II, VIII-XI; S=2	Broken
	1	Distal fragment of left femur with medial condyle	L=RGP II, VIII-XI; S=2	Broken
	1	Fragment of left pelvis with acetabulum and fragmentary portion of illium	L=RGP II, VIII-XI; S=2	Broken
	1	Right vertical ramus with coronoid process	L=RGP II, VIII-XI; S=2	Broken
	1	Left cervical vertebra with a portion of anterior articular process	L=RGP II, VIII-XI; S=2	Broken
	1	Left 2nd phalanx of hind foot	L=RGP II, VIII-XI; S=2	Complete
	1	1st lower molar tooth	L=RGP I, IV-VII; S=7	Broken

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	Fragment of thoracic vertebra	L=RGP I, IV-VII; S=7	Broken
	2	Proximal fragment of rib	L=RGP I, IV-VII; S=7	Broken
	1	1st phalanx of hind limb	L=RGP I, IV-VII; S=7	Charred
	1	Fragment of mandible with 1st and 2nd premolar teeth	L=RGP I, IV-VII; S=7	Broken
	1	Fragment of mandible with 1st and 2nd premolar teeth	L=RGP I, IV-VII; S=7	Broken
	1	1st phalanx of fore leg	L=RGP I, IV-VII; S=7	Complete
	1	Fragment of left astragalus	L=RGP I, IV-VII; S=7	Charred
	1	Left lower 3rd molar tooth	L=RGP I, IV-VII; S=7	Complete
	1	Proximal fragment of 3rd and 4th metacarpal	L=RGP I, IV-VII; S=7	Charred
	1	Vertical ramus of right mandible with condyle	L=RGP I, IV-VII; S=7	Broken
	1	Lateral condyle of left femur	L=RGP IV, VI-VII; S=10	Broken
	1	Tuber calcis of left calcaneum	L=RGP IV, VI-VII; S=10	Broken
	1	Trochlea of right femur	L=RGP IV, VI-VII; S=10	Broken
	2	Fragments rib	L=RGP IV, VI-VII; S=10	Broken
	1	Proximal fragment of right scapula with glenoid cavity	L=RGP IV, VI-VII; S=10	Broken
	1	Left upper 3rd premolar tooth	L=RGP IV, VI-VII; S=10	Eroded
	2	Proximal fragment of right scapula	L=RGP V, II-IV; S=7	Broken
	1	Fragment of left pelvis with pubis and a portion of acetabulum	L=RGP V, II-IV; S=7	Broken
	1	Right astragalus	L=RGP V, II-IV; S=7	Complete
	1	3rd phalanx of hind foot	L=RGP V, II-IV; S=7	Broken
	1	Proximal fragment of left scapula with glenoid cavity	L=RGP V, II-IV; S=7	Broken
	1	Right 1st phalanx of fore foot	L=RGP V, II-IV; S=7	Complete
	1	Fragment of thoracic vertebra	L=RGP V, II-IV; S=7	Broken

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	Fragment of head of femur	L=RGP V, II-IV; S=7	Broken
	1	Distal fragment of left tibia	L=RGP V, II-IV; S=7	Broken
	1	Fragment of cervical vertebra	L=RGP V, II-IV; S=7	Broken
	1	Fragment of right calcaneum	L=RGP V, II-IV; S=7	Charred
	1	2nd phalanx of fore foot		Charred
	1	Fragment of left ramus of mandible	L=RGP V, II-IV; S=7	Broken
	1	Right 1st phalanx of hind foot	L=RGP V, II-IV; S=7	Complete
	1	Distal fragment of 3rd and 4th metatarsal	L=RGP V, II-IV; S=7	Broken
	1	Right 2nd phalanx of fore foot	L=RGP V, II-IV; S=7	Complete
	2	Fragment of cervical vertebra	L=RGP V, II-IV; S=7	Broken
	1	Fragment of illium of left pelvis	L=RGP V, II-IV; S=7	Broken
	2	Left astragalus	L=RGP V, II-IV; S=7	Complete
	1	Left calcaneum	L=RGP I, IV-VII; S=5	Complete
	1	Lumber vertebra with a portion of neural arch	L=RGP I, IV-VII; S=5	Broken
	1	Fragment of left pelvis with a portion of acetabulum and a portion of illium and ischium	L=RGP I, IV-VII; S=5	Broken
	1	Fragment of pelvis	L=RGP I, IV-VII; S=5	Broken
	1	Proximal fragment of right tibia with medial articular surface of proximal extremity	L=RGP I, IV-VII; S=5	Broken
	1	Proximal fragment of right femur	L=RGP I, IV-VII; S=5	Broken
	1	Left astragalus	L=RGP I, IV-VII; S=5	Complete
	1	Distal fragment of 3rd and 4th metatarsal	L=RGP I, IV-VII; S=5	Broken
1	Right combined scaphoid and cuboid	L=RGP I, IV-VII; S=5	Broken	

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	2nd lower incisor tooth	L=RGP I, IV-VII; S=5	Complete
	2	Fragments of rib	L=RGP I, IV-VII; S=5	Broken
	1	Distal epiphysis of right tibia	L=RGP I, IV-VII; S=5	Broken
	1	Proximal fragment of right pubis	L=RGP I, IV-VII; S=5	Broken
	1	Proximal fragment of left radius	L=RGP I, IV-VII; S=5	Broken
	2	Thoracic vertebra	L=RGP I, IV-VII; S=5	Broken
	1	Right 2nd phalanx	L=RGP I, IV-VII; S=5	Complete
	1	Distal epiphysis of 3rd and 4th metatarsal	L=RGP I, IV-VII; S=5	Broken
	1	Fragment of left calcaneum	L=RGP I, IV-VII; S=5	Broken
	1	Proximal epiphysis of left tibia	L=RGP I, IV-VII; S=5	Broken
	1	Right 1st phalanx of hind foot	L=RGP I, IV-VII; S=5	Complete
	1	Right malar bone of skull with a portion of zygomatic and temporal arch	L=RGP I, IV-VII; S=5	Broken
	1	Fragment of thoracic vertebra	L=RGP I, IV-VII; S=5	Broken
	1	Proximal fragment of right 3rd and 4th metatarsal	L=RGP I,II-IV; S=3	Broken
	1	Left 1st phalanx of hind foot	L=RGP I,II-IV; S=3	Broken
	2	Fragments of rib	L=RGP I,II-IV; S=3	Broken
	1	Distal fragment of right humerus with condyle	L=RGP I,II-IV; S=3	Broken
	1	Fragment of shaft of ilium of left pelvis	L=RGP I,II-IV; S=3	Broken
	1	Right astragalus	L=RGP I,II-IV; S=3	Complete
	1	Fragment of right pelvis with a portion of glenoid cavity, tuber scapulae and a portion of neck	L=RGP I,II-IV; S=3	Broken
	1	Single condyle of 3rd and 4th metatarsal	L=RGP I,II-IV; S=3	Broken

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	Fragment of lumber vertebra	L=RGP I,II-IV; S=3	Charred
	1	Right 1st phalanx of fore foot	L=RGP I,II-IV; S=3	Complete
	1	Left upper 1st molar tooth	L=RGP I,II-IV; S=3	Complete
	1	Distal fragment of right humerus with medial condyle and a portion of coronoid fossa	L=RGP I, IV-VII; S=3	Charred
	1	Fragment of 1st phalanx	L=RGP I,II-IV; S=3	Complete
	1	Distal fragment of left humerus	L=RGP I,II-IV; S=3	Broken
	1	Fragment of right scapula	L=RGP I, VIII-X; S=3	Broken
	1	Proximal fragment of left 3rd and 4th metacarpal	L=RGP V, VI-VIII; S=3, 5and 6	Broken
	1	Distal fragment of left humerus with medial condyle and a portion of shaft	L=RGP V, VI-VIII; S=3, 5and 6	Broken
	1	Distal condyle of 3rd and 4th metacarpal	L=RGP V, VI-VIII; S=3, 5and 6	Broken
	1	Left calcaneum	L=RGP V, VI-VIII; S=3, 5and 6	Complete
	1	Head of femur	L=RGP V, VI-VIII; S=3, 5and 6	Charred
	1	Fragment of right pelvis with a portion of acetabulum and ischium	L=RGP V, VI-VIII; S=3, 5and 6	Broken
	1	Fragment of right pelvis and shaft of ischium	L=RGP V, VI-VIII; S=3, 5and 6	Broken
	1	Fragment of right horizontal ramus of mandible with 3rd molar tooth	L=RGP II, XI-XVI; S=6	Broken
	1	Left proximal fragment of 1st phalanx	L=RGP II, XI-XVI; S=6	Broken
	1	Left 3rd phalanx of fore foot	L=RGP II, XI-XVI; S=6	Complete
	1	Proximal fragment of left scapula with a portion of glenoid cavity and tuber scapulae	L=RGP II, XI-XVI; S=6	Broken

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	Right upper 1st molar tooth	L=RGP II, II-V; S=6	Complete
	1	Proximal fragment of left humerus	L=RGP II, II-V; S=6	Broken
	1	Fragment of premaxila	L=RGP II, II-V; S=6	Broken
	3	Fragments of rib	L=RGP II, II-V; S=6	Broken
	1	Portion of left lunate of carpus	L=RGP II, II-IV; S=6	Broken
	1	Distal fragment of 1st phalanx	L=RGP II, II-V; S=6	Broken
	1	Distal fragment of 3rd and 4th metacarpal	L=RGP II, O-II; S=6	Broken
	1	Proximal fragment of left humerus with head	L=RGP II, II-V; S=6	Broken
	3	Right astragalus	L=RGP VI, XI-XVI; S=10	2 complete and 1 broken
	1	Proximal fragment of left scapula with glenoid cavity	L=RGP VI, XI-XVI; S=10	Broken
	1	Fragment of head of femur	L=RGP VI, XI-XVI; S=10	Broken
	1	Fragment of thoracic vertebra	L=RGP VI, XI-XVI; S=10	Broken
	2	Distal fragments of right femur	L=RGP VI, XI-XVI; S=10	Broken
	2	Distal fragment of left humerus	L=RGP VI, XI-XVI; S=10	Broken
	1	Distal fragment of right humerus	L=RGP VI, XI-XVI; S=10	Broken
	1	Fragment of rib	L=RGP VI, XI-XVI; S=10	Broken
	1	Distal fragment of left radius	L=RGP VI, XI-XVI; S=10	Broken
	1	Left astragalus	L=RGP VI, XI-XVI; S=10	Complete
	2	Fragments of cervical vertebra	L=RGP VI, XI-XVI; S=10	Sub adult
	1	Fragment of thoracic vertebra	L=RGP VI, XI-XVI; S=10	Broken
	1	Right astragalus	L=RGP VI, XI-XVI; S=10	Broken
	1	Distal fragment of right femur	L=RGP VI, XI-XVI; S=10	Charred

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	2	Fragments of head of humerus	L=RGP VI, XI-XVI; S=10	Broken
	1	Lateral condyle of femur	L=RGP VI, XI-XVI; S=10	Broken
	1	Fragment of thoracic vertebra	L=RGP V, IX-XVI; S=10	Broken
	1	Fragment of atlas vertebra	L=RGP V, IX-XVI; S=10	Broken
	1	Right astragalus	L=RGP V, IX-XVI; S=10	Complete
	1	Distal condyle of 3rd and 4th metacarpal	L=RGP V, IX-XVI; S=10	Broken
	1	Left 1st phalanx of fore foot	L=RGP V, IX-XVI; S=10	Charred
	1	Fragment of vertebra	L=RGP V, IX-XVI; S=10	Broken
	1	Fragment of medial condyle of humerus	L=RGP V, IX-XVI; S=10	Broken
	1	Distal fragment of right humerus with medial and lateral condyle	L=RGP V, XI-XVI; S=10	Chopping mark
	1	Lumber vertebra	L=RGP I, II-IV; S=13	Broken
	2	2nd phalanx of fore foot	L=RGP I, II-IV; S=13	Complete
	1	1st phalanx of fore foot	L=RGP I, II-IV; S=13	
	1	Distal fragment of left tibia	L=RGP I, II-IV; S=13	Broken
	1	Right asrtagalus	L=RGP I, II-IV; S=13	Sub adult
	1	Proximal fragment of left radius	L=RGP I, II-IV; S=13	Broken
	1	Fragment of vertical ramus of left mandible with condyle and coronoid process	L=RGP I, II-IV; S=13	Broken
	1	Fragment of rib	L=RGP I, II-IV; S=13	Broken
	3	Fragment of molar teeth	L=RGP I, II-IV; S=13	Broken
	1	Fragment of axis vertebra	L=RGP I, II-IV; S=13	Broken
	1	Left calcaneum	L=RGP I, II-IV; S=13	Complete
	1	Proximal fragment of right radius	L=RGP I, II-IV; S=13	Broken
	1	Right upper 3rd premolar tooth	L=RGP I, II-IV; S=13	Complete
1	2nd phalanx of hind foot	L=RGP I, II-IV; S=13	Complete	

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	Proximal fragment of 3rd and 4th metacarpal	L=RGP I, II-IV; S=13	Broken
	1	2nd phalanx of fore limb	L=RGP I, II-IV; S=13	Complete
	1	1st phalanx of left hind foot	L=RGP I, II-IV; S=13	Complete
	1	Proximal fragment of 3rd and 4th metacarpal	L=RGP I, II-IV; S=13	Charred
	1	Distal fragment of 3rd and 4th metatarsal	L=RGP I, II-IV; S=13	Broken
	1	Right patella	L=RGP I, II-IV; S=13	Broken
	1	Right upper 3rd premolar tooth	L=RGP I, II-IV; S=13	Complete
	1	Distal fragment of 3rd and 4th metacarpal	L=RGP II, O-II; S=3	Broken
	1	Proximal fragment of 3rd and 4th metatarsal	L=RGP II, O-II; S=3	Broken
	2	Left astragali	L=RGP II, O-II; S=3	Complete
	1	Body of thoracic vertebra	L=RGP II, O-II; S=3	Broken
	1	Proximal fragment of rib with head	L=RGP II, O-II; S=3	Broken
	1	Right astragalus	L=RGP V, XVII-XXII, S=8 and 9	Complete
	1	Distal fragment of left humerus with a portion of lateral condyle of shaft	L=RGP V, XVII-XXII, S=8 and 9	Broken
	1	Fragment of axis vertebra with adenoid process and anterior articular process	L=RGP V, XVII-XXII, S=8 and 9	Broken
	1	Fragment of left pelvis	L=RGP VI, VIII-X; S=7	Broken
	1	Proximal fragment of left 3rd and 4th metacarpal	L=RGP VI, VIII-X; S=7	Broken
	1	Fragment of rib	L=RGP VI, VIII-X; S=7	Broken
	1	Left upper 2nd molar tooth	L=RGP VI, VIII-X; S=7	Complete
	1	Distal fragment of right humerus with medial condyle	L=RGP I, II-V; S=5	Broken
1	Distal fragment of right tibia with distal epiphysis	L=RGP I, II-V; S=5	Sub adult; broken	

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	Proximal fragment of right radius	L=RGP I, II-V; S=5	Broken
	2	Distal fragments of right radius	L=RGP I, II-V; S=5	Broken
	2	Proximal fragment of thoracic rib	L=RGP I, II-V; S=5	Broken
	1	Right 2nd phalanx of fore foot	L=RGP I, II-V; S=5	Complete
	1	Left 2nd phalanx of fore foot	L=RGP I, II-V; S=5	Complete
	1	Right astragalus	L=RGP II, XI-XVI; S-8	Charred
	1	Distal fragment of left tibia	L=RGP II, XI-XVI; S-8	Broken
	1	Distal fragment of portion of 3rd and 4th metatarsal with single condyle	L=RGP II, XI-XVI; S-8	Broken
	1	Proximal fragment of left 3rd and 4th metatarsal	L=RGP II, XI-XVI; S-8	Broken
	1	Fragment of 3rd and 4th metacarpal	L=RGP II, XI-XVI; S-8	Broken
	1	Proximal fragment of left scapula with glenoid cavity and a portion of tuber scapulae	L=RGP II, XI-XVI; S-8	Broken
	1	Right 2nd phalanx of hind foot	L=RGP II, XI-XVI; S-8	Complete
	1	Left calcaneum with tubercalsis	L=RGP II, XI-XVI; S-8	Broken
	1	Fragment of anterior portion of sacrum	L=RGP II, XI-XVI; S-8	Broken
	1	Right 1st and 2nd molar teeth	L=RGP II, XI-XVI; S-8	Sub adult
	2	Left upper 2nd molar tooth	L=RGP II, XI-XVI; S-8	Complete
	1	Right calcaneum	L=RGP II, O-II; S=7	Complete
	1	Proximal fragment of right humerus with head	L=RGP II, O-II; S=7	Broken
	1	Left astragalus	L=RGP II, O-II; S=7	Complete
	1	Proximal fragment of rib	L=RGP II, O-II; S=7	Broken

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	Fragment of thoracic vertebra with spine and neural arch	L=RGP II, O-II; S=7	Charred
	1	Distal fragment of 3rd and 4th metatarsal	L=RGP II, O-II; S=7	Broken
	1	2nd phalanx	L=RGP II, O-II; S=7	Broken
	1	Proximal fragment of 3rd and 4th metacarpal	L=RGP II, O-II; S=7	Broken
	6	Right astragali	L=RGPV, IV-VIII; S=10	3 sub adult, 3 complete
	2	Left 2nd phalanx of fore foot	L=RGPV, IV-VIII; S=10	Complete
	2	Left 1st phalanx of fore foot	L=RGPV, IV-VIII; S=10	Sub adult
	2	Distal fragment of left humerus with medial condyle	L=RGPV, IV-VIII; S=10	Broken
	1	Proximal fragment of left tibia with medial condyle and spine	L=RGPV, IV-VIII; S=10	Charred
	1	Proximal fragment of right femur with head	L=RGPV, IV-VIII; S=10	Broken
	1	Distal fragment of right humerus with lateral condyle	L=RGPV, IV-VIII; S=10	Charred
	2	Fragments of head of femur	L=RGPV, IV-VIII; S=10	Broken
	1	Proximal fragment of left 3rd and 4th metacarpal	L=RGPV, IV-VIII; S=10	Broken
	2	Fragment of left pelvis with a portion of shaft of ilium and a portion of acetabulum	L=RGPV, IV-VIII; S=10	Broken
	4	Fragments of thoracic vertebra	L=RGPV, IV-VIII; S=10	Broken
	1	Fragment of lumber vertebra	L=RGPV, IV-VIII; S=10	Broken
	1	Fragment of rib	L=RGP I, VI-VIII; S=12	Broken
	1	Right combined scaphoid and cuboid	L=RGP I, VI-VIII; S=12	Broken
	1	Proximal epiphysis of tibia	L=RGP I, VI-VIII; S=12	Broken
	1	Left astragalus	L=RGP, IX-XI; S=13	Complete
1	Right astragalus	L=RGP, IX-XI; S=13	Eroded	

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	Distal fragment of left humerus with medial and lateral condyle	L=RGP, IX-XI; S=13	Broken
	2	Distal fragment of left humerus with medial condyle	L=RGP, IX-XI; S=13	Broken
	1	Distal fragment of right humerus with medial condyle	L=RGP, IX-XI; S=13	Broken
	1	Proximal fragment of right femur with head	L=RGP, IX-XI; S=13	Broken
	1	Proximal fragment of right scapula with glenoid cavity, tuber scapula and a portion of neck	L=RGP, IX-XI; S=13	Broken
	1	Proximal fragment of left scapula with glenoid cavity, tuber scapula	L=RGP, IX-XI; S=13	Broken
	1	Proximal fragment of right 3rd and 4th metatarsal	L=RGP, IX-XI; S=13	Broken
	1	Thoracic vertebra	L=RGP, IX-XI; S=13	Sub adult
	1	Left 1st phalanx of fore foot	L=RGP, IX-XI; S=13	Complete
	1	Right 2nd phalanx of fore foot	L=RGP, IX-XI; S=13	Complete
	1	Fragment of rib	L=RGP, IX-XI; S=13	Broken
	1	Fragment of right upper jaw with 1st and 2nd molar teeth	L=RGP, IX-XI; S=13	Sub adult
	1	Right upper 3rd molar tooth	L=RGP, IX-XI; S=13	Complete
	1	Fragment of molar tooth	L=RGP, IX-XI; S=13	Broken
	1	Left upper 1st molar tooth	L=RGP, IX-XI; S=13	Broken
	1	Fragment of 3rd lower molar tooth	L=RGP, IX-XI; S=13	Broken
	1	Left astragalus	L=RGP II, IV-VII; S =5	Sub adult
	1	Distal fragment of 3rd and 4th metatarsal with condyle	L=RGP II, IV-VII; S =5	Broken
	1	Distal fragment of shaft of right radius	L=RGP II, IV-VII; S =5	Broken

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	Distal fragment of right tibia	L=RGP II, IV-VII; S =5	Broken
	1	Left calcaneum	L=RGP II, IV-VII; S =5	Sub adult
	1	Fragment of axis vertebra with a portion of adenoid process, anterior articulate process	L=RGP II, IV-VII; S =5	Broken
	1	Left 2nd Phalanx of fore foot	L=RGP II, IV-VII; S =5	Complete
	1	Fragment of left pelvis with acetabulum and a portion of ilium	L=RGP II, IV-VII; S =5	Broken
	1	Fragment of right occipital condyle	L=RGP II, IV-VII; S =5	Broken
	1	Medial condyle of left humerus	L=RGP II, IV-VII; S =5	Broken
	1	Right horizontal ramus of mandible with teeth	L=RGP II, IV-VII; S =5	Broken
	1	Right astragalus	L=RGP V, IX-XI; S=8	Complete
	1	Left 2nd phalanx of fore foot	L=RGP V, IX-XI; S=8	Complete
	1	Portion of lumber vertebra	L=RGP V, IX-XI; S=8	Broken
	2	Fragments of right pelvis with portion of ilium and acetabulum	L=RGP V, IX-XI; S=8	Broken
	1	Distal fragment of left humerus with a portion of lateral condyle	L=RGP V, IX-XI; S=8	Broken
	1	Distal epiphysis of left tibia	L=RGP VI, VI-VIII; S=6	Broken
	1	Fragment of 3rd and 4th metatarsal	L=RGP VI, VI-VIII; S=6	Broken
	1	Proximal fragment of thoracic rib with head	L=RGP VI, VI-VIII; S=6	Broken
	1	2nd phalanx of fore foot	L=RGP VI, VI-VIII; S=6	Complete
	1	Fragment of horn core	L=RGP VI, VI-VIII; S=6	Broken
	1	Fragment of left horizontal ramus of mandible with 1st molar tooth	L=RGP VI, VI-VIII; S=6	Broken
	1	Left lower 2nd premolar tooth	L=RGP VI, VI-VIII; S=6	Complete

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	Fragment of right 3rd molar tooth	L=RGP VI, VI-VIII; S=6	Broken
	1	Right calcaneum	L=RGP V, XI-XIII; S=5	Complete
	2	Left astragalus	L=RGP V, XI-XIII; S=5	Complete
	2	Proximal fragments of left 3rd and 4th metacarpal	L=RGP V, XI-XIII; S=5	One sub adult and one broken
	1	Proximal fragment of right tibia	L=RGP V, XI-XIII; S=5	Broken
	2	Right astragali	L=RGP V, XI-XIII; S=5	Charred
	1	Proximal fragment of right radius	L=RGP V, XI-XIII; S=5	Broken
	1	Lateral condyle of right femur	L=RGP V, XI-XIII; S=5	Broken
	3	Left navicular and cuboid of proximal tarsal	L=RGP V, XI-XIII; S=5	Broken
	2	Left 2nd phalanx of fore foot	L=RGP V, XI-XIII; S=5	Complete
	1	Right 2nd phalanx of fore foot	L=RGP V, XI-XIII; S=5	Complete
	1	Right 2nd phalanx of hind foot	L=RGP V, XI-XIII; S=5	Sub adult
	1	Right 1st phalanx of fore foot	L=RGP V, XI-XIII; S=5	Complete
	1	Left 1st phalanx of hind foot	L=RGP V, XI-XIII; S=5	Sub adult
	1	3rd phalanx of fore foot	L=RGP V, XI-XIII; S=5	Complete
	1	Fragment of right horizontal ramus of mandible with 2nd and 3rd molar teeth	L=RGP V, XI-XIII; S=5	Broken
	1	Fragment of right horizontal ramus of mandible with 3rd premolar tooth	L=RGP V, XI-XIII; S=5	Sub adult
	1	Fragment of atlas vertebra	L=RGP V, XI-XIII; S=5	Broken
	1	Distal fragment of left humerus with lateral condyle and a portion of shaft	L=RGP V, II-IV; S=4	Broken
	1	Right calcaneum	L=RGP V, II-IV; S=4	Sub adult
1	Distal fragment of 3rd and 4th metatarsal with condyle	L=RGP V, II-IV; S=4	Broken	

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	Fragment of rib	L=RGP V, II-IV; S=4	Broken
	1	Proximal fragment of 3rd and 4th metatarsal	L=RGP V, II-IV; S=4	Broken
	1	Left 2nd phalanx of fore foot	L=RGP V, II-IV; S=4	Complete
	1	Fragment of right pelvis with a portion of acetabulum and pubis	L=RGP V, II-IV; S=4	Broken
	1	Distal fragment of right humerus with a portion of shaft	L=RGP V, XIX-XXII; S=9	Broken
	1	Distal fragment of right humerus with a portion of medial condyle	L=RGP V, XIX-XXII; S=9	Broken
	1	Distal fragment of right humerus with a portion of 3rd and 4th metatarsal	L=RGP V, XIX-XXII; S=9	Broken
	1	Left astragalus	L=RGP V, XIX-XXII; S=9	Complete
	2	Fragments of astragalus	L=RGP V, XIX-XXII; S=9	Broken
	1	Right calcaneum	L=RGP V, XIX-XXII; S=9	Complete
	1	Left 1st phalanx of forefoot	L=RGP V, XIX-XXII; S=9	Complete
	1	Proximal fragment of left 1st phalanx	L=RGP V, XIX-XXII; S=9	Broken
	1	Fragment of right horizontal ramus with 1st and 2nd molar teeth	L=RGP V, XIX-XXII; S=9	Broken
	1	Fragment of cervical vertebra	L=RGP V, XIX-XXII; S=9	Broken
	2	Fragments of thoracic vertebra	L=RGP V, XIX-XXII; S=9	Broken
	1	Proximal fragment of scapula with glenoid cavity, tuberscapulae	L=RGP V, XIX-XXII; S=9	Broken
	1	Fragment of right ulna	L=RGP V, XIX-XXII; S=9	Broken
	1	Right upper 1st molar tooth	L=RGP V, XIX-XXII; S=9	Complete
	1	Right upper 3rd molar tooth	L=RGP V, XIX-XXII; S=9	Complete
	1	Distal fragment of right tibia without epiphysis	L=RGP I, O-II; S=8	Sub adult

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	Proximal fragment of left 3rd and 4th metatarsal	L=RGP I, O-II; S=8	Broken
	1	Distal fragment of left tibia	L=RGP I, O-II; S=8	Broken
	7	Shafts of rib	L=RGP I, O-II; S=8	Broken
	1	Portion of left premaxilla of skull	L=RGP I, O-II; S=8	Broken
	2	Fragments of right pelvis with a portion of acetabulum and pubis	L=RGP I, O-II; S=8	One charred
	1	Proximal fragment of left scapula with glenoid cavity and a portion of neck	L=RGP I, O-II; S=8	Broken
	1	Right 1st phalanx of hind foot	L=RGP I, O-II; S=8	Complete
	1	Proximal fragment of right 1st phalanx	L=RGP I, O-II; S=8	Broken
	1	Right 2nd phalanx of fore foot	L=RGP I, O-II; S=8	Broken
	1	Fragment of thoracic vertebra	L=RGP I, O-II; S=8	Broken
	1	Fragment of thoracic vertebra with transverse process and a portion of neural arch	L=RGP I, O-II; S=8	Broken
	1	Fragment of right horizontal ramus of mandible with 3rd premolar tooth	L=RGP I, O-II; S=8	Sub adult
	1	Fragment of right ramus of mandible with 1st molar tooth	L=RGP I, O-II; S=8	Sub adult
	1	Fragment of right ramus of mandible with 2nd premolar tooth	L=RGP I, O-II; S=8	Broken
	1	Left upper 1st molar tooth	L=RGP I, O-II; S=8	Slightly charred
	1	Right upper 2nd molar tooth	L=RGP I, O-II; S=8	Sub adult
	1	Fragment of left ramus of mandible with neural foramen	L=RGP I, O-II; S=8	Broken
	4	Right astragali	L=RGP V, II-VIII; S=10	2 complete 2 broken

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	5	Left astragali	L=RGP V, II-VIII; S=10	1 sub adult, 2 broken, 2 complete
	1	Lumber vertebra	L=RGP V, II-VIII; S=10	Charred
	1	Thoracic vertebra	L=RGP V, II-VIII; S=10	Sub adult
	1	Right fused navicular and cuboid of proximal carpus	L=RGP V, II-VIII; S=10	Broken
	1	Left 1st phalanx of fore foot	L=RGP V, II-VIII; S=10	Complete
	1	Right 2nd phalanx of fore foot	L=RGP V, II-VIII; S=10	Complete
	1	Fragment of right vertical ramus of mandible with condyle	L=RGP V, II-VIII; S=10	Broken
	1	Fragment of left pelvis with a portion of acetabulum and pubis	L=RGP V, II-VIII; S=10	Broken
	2	Fragments of rib	L=RGP V, II-VIII; S=10	Broken
	1	Fragment of shaft of 3rd and 4th metatarsal	L=RGP V, II-VIII; S=10	Broken
	2	Proximal fragment of right femur with head	L=RGP V, II-VIII; S=10	Broken
	1	Head of femur	L=RGP V, II-VIII; S=10	Broken
	1	Left 1st phalanx of hind foot	L=RGP V, II-VIII; S=10	Sub adult
	1	Distal fragment of shaft of 3rd and 4th metatarsal	L=RGP V, II-VIII; S=10	Charred
	1	Distal fragment of tibia	L=RGP V, II-VIII; S=10	Broken
	1	Proximal fragment of right scapula with glenoid cavity and a portion of neck	L=RGP V, II-VIII; S=10	Broken
	1	Distal fragment of left humerus with lateral condyle	L=RGP V, II-VIII; S=10	Broken
	1	Fragment of pelvis with a portion of acetabulum and ilium	L=RGP V, II-VIII; S=10	Broken
	1	Proximal fragment of left femur with head	L=RGP V, II-VIII; S=10	Broken

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	Fragment of right horizontal ramus of mandible with 2nd molar tooth	L=RGP V, II-VIII; S=10	Eroded
	1	Left lower 2nd molar tooth	L=RGP V, II-VIII; S=10	Sub adult
	1	Right astragalus	L=RGP V, XVIII-XXII; S=9	Sub adult
	3	Left astragali	L=RGP V, XVIII-XXII; S=9	2 sub adult and one adult
	1	Distal fragment of right humerus with medial condyle	L=RGP V, XVIII-XXII; S=9	Broken
	3	Fragment of combined scaphoid and cuboid	L=RGP V, XVIII-XXII; S=9	Broken
	1	Fragment of left scaphoid of left carpus	L=RGP V, XVIII-XXII; S=9	Broken
	1	Distal fragment of 3rd and 4th metacarpal	L=RGP V, XVIII-XXII; S=9	Broken
	1	Proximal fragment of 3rd and 4th metatarsal	L=RGP V, XVIII-XXII; S=9	Broken
	1	Distal fragment of 3rd and 4th metatarsal with single left condyle	L=RGP V, XVIII-XXII; S=9	Broken
	1	Right 2nd phalanx of fore foot	L=RGP V, XVIII-XXII; S=9	Complete
	1	7th cervical vertebra with a portion of right neural arch and anterior articular process	L=RGP V, XVIII-XXII; S=9	Broken
	1	Fragment of cervical vertebra with a portion of body, left transverse foramen and articular process and a portion of neural arch	L=RGP V, XVIII-XXII; S=9	Broken
	1	Distal fragment of right humerus with condyle	L=RGP I, II-IV; S=4	Broken
	1	Proximal fragment of 3rd and 4th metatarsal	L=RGP I, II-IV; S=4	Broken
	1	Proximal fragment of 3rd and 4th metacarpal	L=RGP I, II-IV; S=4	Broken
	2	Fragments of rib	L=RGP I, II-IV; S=4	Broken
	1	Fragment of left horn core	L=RGP I, II-IV; S=4	Broken

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	Fragment of right pelvis with a portion of acetabulum and ischium	L=RGP I, II-IV; S=4	Charred
	1	Fragment of cervical vertebra with neural arch	L=RGP I, II-IV; S=4	Broken
	1	Right 1st phalanx of fore foot	L=RGP I, II-IV; S=4	Complete
	2	Left 1st phalanx of hind foot	L=RGP I, II-IV; S=4	One sub adult and one charred
	1	Left 2nd phalanx of hind foot	L=RGP I, II-IV; S=4	Complete
	1	Left astragalus	L=RGP V, XIX-XXII; S=10	Complete
	2	Right astragali	L=RGP V, XIX-XXII; S=10	One broken, one sub adult
	1	Left 1st phalanx of fore foot	L=RGP V, XIX-XXII; S=10	Complete
	1	Phalanx of hind foot	L=RGP V, XIX-XXII; S=10	Complete
	1	Fragment of right pelvis with a portion of acetabulum and ilium	L=RGP V, XIX-XXII; S=10	Broken
	1	Distal fraggment of 3rd and 4th metatarsal with condyle	L=RGP V, XIX-XXII; S=10	Charred
	1	Proximal fragment of left tibia	L=RGP V, XIX-XXII; S=10	Broken
	1	Distal fragment of left femur with medial condyle and a portion of shaft	L=RGP V, XIX-XXII; S=10	Broken
	2	Proximal fragments of right femur with head	L=RGP V, XIX-XXII; S=10	Broken
	1	Distal fragment of right femur with medial condyle	L=RGP V, XIX-XXII; S=10	Broken
	1	Distal fragment of right femur with medial and lateral condyle and coronoid fossa	L=RGP V, XIX-XXII; S=10	Broken
	1	Distal fragment of left humerus with lateral condyle	L=RGP V, XIX-XXII; S=10	Broken
	2	Distal fragments of left humerus with medial and portion of lateral condyle	L=RGP V, XIX-XXII; S=10	Broken
	1	Fragment of thoracic vertebra	L=RGP V, XIX-XXII; S=10	Broken

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	Fragment of lumber vertebra	L=RGP V, XIX-XXII; S=10	Broken
	1	Fragment of pelvis with a portion of acetabulum, coronoid fossa and ilium	L=RGP V, XIX-XXII; S=10	Broken
	1	Fragment of pelvis with a portion of acetabulum and ischium	L=RGP V, XIX-XXII; S=10	Broken
	1	Fragment of sacrum vertebra	L=RGP V, XIX-XXII; S=10	Broken
	1	Fragment of cervical vertebra	L=RGP V, XIX-XXII; S=10	Broken
	1	Fragment of atlas vertebra with a portion of right ventral arch and a portion of articular surface	L=RGP V, XIX-XXII; S=10	Broken
	1	Distal fragment of left humerus with condyle	L=RGP V, II-IV; S=10	Broken
	1	Distal fragment of right humerus with lateral condyle	L=RGP V, II-IV; S=10	Broken
	1	Distal fragment of right humerus with a portion of medial condyle	L=RGP V, II-IV; S=10	Broken
	1	Head of femur	L=RGP V, II-IV; S=10	Broken
	1	Right patella	L=RGP V, II-IV; S=10	Broken
	1	Distal fragment of 3rd and 4th metacarpal	L=RGP V, II-IV; S=10	Broken
	1	Right calcaneum	L=RGP V, II-IV; S=10	Charred
	1	Left 1st phalanx of fore foot	L=RGP V, II-IV; S=10	Complete
	1	Fragment of left pelvis with a portion of acetabulum and ischium	L=RGP V, II-IV; S=10	Broken
	1	Proximal fragment of right scapula with glenoid cavity	L=RGP V, II-IV; S=10	Broken
	1	Right lower 3rd molar tooth	L=RGP V, II-IV; S=10	Broken
	1	Distal epiphysis of left radius with styloid process	L=RGP II, O-II; S=10	Sub adult
	1	Right fused navicular and cuboid of proximal tarsal	L=RGP II, O-II; S=10	Broken

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	Proximal fragment of left scapula with glenoid cavity and a portion of neck	L=RGP II, O-II; S=10	Broken
	1	Proximal fragment of 3rd and 4th metatarsal	L=RGP II, O-II; S=10	Broken
	1	Left 2nd phalanx of fore foot	L=RGP II, O-II; S=10	Complete
	1	Left 1st phalanx of fore foot	L=RGP II, O-II; S=10	Complete
	1	Right 1st phalanx of hind foot	L=RGP II, O-II; S=10	Complete
	1	Fragment of 3rd and 4th metatarsal	L=RGP II, O-II; S=10	Broken
	1	Fragment of rib	L=RGP II, O-II; S=10	Broken
	1	Fragment of thoracic vertebra	L=RGP II, O-II; S=10	Sub adult
	1	Fragment of thoracic vertebra with neural spine and a portion of arch	L=RGP II, O-II; S=10	Broken
	1	Fragment of vertical ramus of mandible with condyle and a portion of coronoid process	L=RGP II, O-II; S=10	Broken
	1	Proximal fragment of left ulna with a portion of odontoid process	L=RGP II, O-II; S=10	Broken
	1	Right lower 1st molar tooth	L=RGP II, O-II; S=10	Complete
	1	Fragment of lumber vertebra	L=RGP II, O-II; S=10	Broken
	1	Proximal fragment of 1st phalanx	L=RGP II, O-II; S=10	Broken
	1	Right upper 3rd premolar tooth	L=RGP II, O-II; S=10	Sub adult
	1	Fragment of vertebra	L=RGP II, O-II; S=10	Charred
	1	Proximal fragment of left 3rd and 4th metacarpal	L=RGP II; S=4	Broken
	1	Distal fragment of left 3rd and 4th metacarpal	L=RGP II; S=4	Broken
	1	Proximal fragment of right radius	L=RGP II; S=4	Broken
	1	Distal fragment of right humerus	L=RGP II; S=4	Broken

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	Fragment of right scapula with glenoid cavity	L=RGP II; S=4	Broken
	1	Coronoid process of right mandible	L=RGP II; S=4	Broken
	6	Fragments of rib	L=RGP II; S=4	Broken
	1	Fragment of horn core	L=RGP II; S=4	Broken
	1	Right upper 3rd premolar tooth	L=RGP II; S=4	Complete
	1	Right upper 1st molar tooth	L=RGP II; S=4	Complete
	1	Left 2nd phalanx of fore foot	L=RGP II; S=4	Complete
	1	Fragment of left vertical ramus of mandible with condyle	L=RGP II; S=4	Broken
	1	Fragment of vertebra	L=RGP II; S=4	Sub adult
	2	Distal fragments of 1st phalanx of fore foot	L=RGP II; S=4	Sub adult
	1	Fragment of sacral vertebra with anterior extremity of body and anterior articular process	L=RGP II, IV-VII; S=8	Broken
	1	Thoracic vertebra with spinous process	L=RGP II, IV-VII; S=8	Broken
	1	Head of femur	L=RGP II, IV-VII; S=8	Broken
	1	Fragment of rib	L=RGP II, IV-VII; S=8	Broken
	1	Fragment of horn core	L=RGP II, IV-VII; S=8	Broken
	1	Fragment of vertical ramus of mandible with condyle	L=RGP II, IV-VII; S=8	Broken
	1	Proximal condyle of rib with head, neck and tubercle	L=RGP II, IV-VII; S=8	Broken
	1	Distal fragment of left femur with lateral condyle and a part of trochlea	L=RGP VI, VIII-X; S=3	Sub adult
	1	Fragment of sacrum with a part of left anterior extremity	L=RGP VI, VIII-X; S=3	Broken
	1	Distal fragment of right tibia with middle malleolus	L=RGP II, II-IV S=7	Broken
1	Right 1st phalanx of fore foot	L=RGP II, II-IV S=7	Complete	

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	Right 1st phalanx of hind foot	L=RGP II, II-IV S=7	Complete
	1	Proximal fragment of right ulna with a portion of olecranon process	L=RGP II, II-IV S=7	Broken
	1	Fragment of left pelvis with a portion of acetabulum and pubis	L=RGP II, II-IV S=7	Broken
	1	Combined trapezoid and magnum of right manus	L=RGP II, II-IV S=7	Broken
	1	Proximal fragment of 1st phalanx of fore foot	L=RGP II, II-IV S=7	Broken
	1	Left upper 1st premolar tooth	L=RGP II, II-IV S=7	Sub adult
	1	Proximal fragment of right scapula with glenoid cavity and tuber scapulae with a portion of neck	L=RGP II, II-IV S=7	Broken
	1	Fragment of lumber vertebra	L=RGP II, II-IV S=7	Broken
	1	Fragment of rib	L=RGP II, II-IV S=7	Broken
	1	Fragment of cervical vertebra	L=RGP II, II-IV S=7	Broken
	1	Fragment of shaft of thoracic rib	L=RGP I, IV-VIII S=10	Broken
	1	Distal fragment of right radius	L=RGP I, IV-VIII S=10	Broken
	1	Proximal fragment of left radius with neural and lateral articular surface	L=RGP I, IV-VIII S=10	Broken
	1	Distal fragment of left humerus with medial condyle	L=RGP I, IV-VIII S=10	Charred
	1	Right combined navicular and cuboid	L=RGP I, IV-VIII S=10	Sub adult
	1	Fragment of left vertical ramus of mandible with condyle	L=RGP I, IV-VIII S=10	Broken
	1	Fragment of head of femur	L=RGP I, IV-VIII S=10	Broken
1	Fragment of left calcaneum with a portion of tubercalcis	L=RGP I, IV-VIII S=10	Broken	

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	Fragment of anterior portion of right horizontal ramus of mandible	L=RGP I, IV-VIII S=10	Broken
	1	Fragment of right calcaneum	L=RGP I, IV-VIII S=10	Broken
	1	Fragment of atlas vertebra with a portion of left ventral arch	L=RGP I, IV-VIII S=10	Broken
	1	Distal fragment of 3rd and 4th metatarsal with single distal condyle	L=RGP I, IV-VIII S=10	Broken
	1	Distal fragment of 3rd and 4th metacarpal	L=RGP I, IV-VIII S=10	Sub adult
	1	Distal condyle of 3rd and 4th metatarsal	L=RGP I, IV-VIII S=10	Broken
	1	Fragment of right horizontal ramus of mandible without teeth	L=RGP I, IV-VIII S=10	Broken
	3	Fragments of thoracic vertebra	L=RGP I, IV-VIII S=10	Broken
	3	Left astragali	L=RGP I, IV-VIII S=10	Complete
	1	1st phalanx of fore foot	L=RGP I, IV-VIII S=10	Sub adult
	1	Right 1st phalanx of hind foot	L=RGP I, IV-VIII S=10	Sub adult
	1	Right 2nd phalanx of fore foot	L=RGP I, IV-VIII S=10	Complete
	1	Right 3rd phalanx of hind foot	L=RGP I, IV-VIII S=10	Sub adult
	1	Fragment of cervical vertebra with a portion of arch	L=RGP I, IV-VIII S=10	Broken
	1	Fragment of right upper jaw with 3rd premolar and 1st molar teeth	L=RGP I, IV-VIII S=10	Broken
	1	Right 3rd molar tooth mandible	L=RGP I, IV-VIII S=10	Sub adult
	1	Fragment of left upper jaw with 1st premolar and 2nd premolar teeth	L=RGP I, IV-VIII S=10	Broken
	1	Left upper 1st premolar tooth	L=RGP I, IV-VIII S=10	Broken
	4	Fragments of upper molar teeth	L=RGP I, IV-VIII S=10	Broken

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	Right astragalus	L=RGP V, IV-VI; S=6	Broken
	1	Proximal fragment of left femur with trochanteric fossa	L=RGP V, IV-VI; S=6	Broken
	1	Fragment of left horizontal ramus of mandible with 2nd and 3rd molar teeth	L=RGP II, XI-XVI; S=3	Broken
	1	Proximal extremity of right radius	L=RGP II, XI-XVI; S=3	Broken
	1	Left 1st phalanx of hind foot	L=RGP V, O-II; S=3	Complete
	1	Left 1st phalanx of fore foot	L=RGP V, O-II; S=3	Complete
	1	Fragment of rib	L=RGP V, O-II; S=3	Broken
	1	Distal fragment of left tibia	L=RGP V, O-II; S=3	Broken
	3	Fragments of rib	L=RGP I, IV-VII; S=5	Broken
	2	Fragments of head of right femur	L=RGP I, IV-VII; S=5	Charred
	1	Fragment of thoracic vertebra	L=RGP I, IV-VII; S=5	Broken
	1	Distal fragment of 3rd and 4th metatarsal	L=RGP I, IV-VII; S=5	Broken
	1	1st phalanx of left hind foot	L=RGP I, IV-VII; S=5	Complete
	1	2nd phalanx of left hind foot	L=RGP I, IV-VII; S=5	Complete
	1	Left upper 2nd molar tooth	L=RGP I, IV-VII; S=5	Charred
	1	Fragment of right atlas vertebra	L=RGP I, IV-VII; S=5	Broken
	1	Distal fragment of 3rd and 4th metatarsal	L=RGP I, IV-VII; S=5	Broken
	1	Left calcaneum	L=RGP I, IV-VII; S=5	Sub adult
	1	Fragment of thoracic vertebra	L=RGP I, IV-VII; S=5	Broken
	1	Fragment of right pelvis with fossa, acetabulum	L=RGP I, IV-VII; S=5	Broken
	1	Fragment of occipital	L=RGP II, XVIII-XXII; S=9	Broken
	1	Right astragalus	L=RGP II, XVIII-XXII; S=9	Complete
	1	Left astragalus fused with broken left calcaneum	L=RGP II, XVIII-XXII; S=9	Broken

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	Fragment of proximal end of 3rd and 4th metacarpal	L=RGP II, XVIII-XXII; S=9	Broken
	1	Proximal fragment of right femur with head	L=RGP II, XVIII-XXII; S=9	Charred
	1	Lower right 3rd molar tooth	L=RGP II, XVIII-XXII; S=9	Broken
	1	Distal fragment of 3rd and 4th metacarpal	L=RGP VI, IV-VI; S=6	Broken
	1	Proximal fragment of left humerus with a portion of head	L=RGP VI, IV-VI; S=6	Broken
	1	Fragment of axis vertebra with a portion of odontoid process	L=RGP VI, IV-VI; S=6	Broken
	1	Right 1st phalanx of hind foot	L=RGP VI, IV-VI; S=6	Complete
	1	Right lower 3rd premolar tooth	L=RGP VI, IV-VI; S=6	Sub adult
	1	Fragment of left occipital condyle of skull	L=RGP VI, IV-VI; S=6	Broken
	1	Left calcaneum	L=RGP II, II-V; S=5	Complete
	1	Left astragalus with distal surface	L=RGP II, II-V; S=5	Broken
	1	Distal fragment of left tibia fused with left astragalus	L=RGP II, II-V; S=5	Broken
	1	Distal fragment of 3rd and 4th metacarpal with both condyles	L=RGP II, II-V; S=5	Broken
	1	Fragment of rib	L=RGP II, II-V; S=5	Broken
	1	Right 1st phalanx of fore foot	L=RGP II, II-V; S=5	Sub adult
	1	Fragment of right frontal bone with a fusion of basal horn core	L=RGP II, II-V; S=5	Broken
	1	Fragment of anterior left horizontal ramus of mandible	L=RGP II, II-V; S=5	Broken
	1	Fragment of right horizontal ramus of mandible with 1st, 2nd and 3rd molar teeth	L=RGP II, II-V; S=5	Broken
	1	Right upper 1st molar tooth	L=RGP II, II-V; S=5	Sub adult

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	1	Right upper 2nd molar tooth	L=RGP II, II-V; S=5	Sub adult
	1	Distal fragment of right tibia with middle malleolus of distal extremity	L=RGP VI, O-II; S=3	Broken
	1	Fragment of rib	L=RGP VI, O-II; S=3	Broken
	1	Right 1st phalanx of fore foot	L=RGP VI, O-II; S=3	Complete
	1	Fragment of thoracic vertebra with a portion of arch and transverse process	L=RGP II, XVIII-XXII; S=4	Broken
	1	Distal fragment of 3rd and 4th metacarpal	L=RGP II, XVIII-XXII; S=7 and 8	Broken
	1	Fragment of pelvis	L=RGP II, II-IV; S=15	Broken
	1	Distal fragment of radius	L=RGP II, II-IV; S=15	Broken
	1	Proximal fragment of rib	L=RGP II, O-II; S=4	Broken
	1	Right upper 1st molar tooth	L=RGP II, O-II; S=4	Complete
	1	Fragment of rib	L=RGP II, O-II; S=4	Broken
	1	2nd left incisor tooth	L=RGP VI, VIII-X; S=8	Broken
	1	1st right incisor tooth	L=RGP VI, VIII-X; S=8	Broken
	1	1st left phalanx of hind foot	L=RGP II, VIII-XI; S=9	Sub adult
	1	1st left upper molar tooth	L=RGP II, VIII-XI; S=9	Sub adult
	1	1st left incisor tooth	L=RGP V, II-IV; S=15	Broken
	1	Fragment of rib	L=RGP V, II-IV; S=15	Broken
	1	Fragment of incisor tooth	L=RGP V, II-IV; S=15	Broken
	1	Fragment of vertebra	L=RGP V, O-II; S=14	Broken
	1	Fragment of left upper jaw with teeth	L=RGP V, II-VIII; S=10	Broken
	2	Right astragali	L=RGP VI, VIII-X; S=8	One complete and one broken
	1	Right upper 2nd molar tooth	L=RGP II, XI-XVI; S=8	Broken
	1	Right upper 3rd premolar tooth	L=RGP II, II-V; S=5	Complete

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bos indicus</i> Linn.	2	Right upper 1st molar teeth	L=RGP II, II-V; S=5	Complete
	1	Right upper 2nd premolar tooth	L=RGP II, II-V; S=5	Broken
	1	Right upper 3rd molar tooth	L=RGP I, O-II; S=8	Broken
	1	Right upper 3rd premolar tooth	L=RGP I, IV-VII; S=6	Broken
	1	Left upper 2nd molar tooth	L=RGP V, XIII-XVI; S=11	Sub adult
	1	Right lower 1st molar tooth	L=RGP II, O-II; S=10	Complete
	1	Right upper 3rd premolar tooth	L=RGP II, XI-XIII; S=4	Complete
	1	Right upper 1st premolar tooth	L=RGP II, XI-XIII; S=4	Sub adult
<i>Bubalus bubalis</i> (Linn.)	1	Proximal fragment of right femur	L=RGP II, O-II; S==8	Sub adult
	1	Fragment of right humerus	L=RGP II, O-II; S==8	Sub adult
	1	Fragment of head of femur	L=RGP II, O-II; S==8	Sub adult
	1	Proximal fragment of right radius	L=RGP II, O-II; S==8	Sub adult
	1	Fragment of right scapula	L=RGP II, O-II; S==8	Sub adult
	1	Distal fragment of right radius	L=RGP II, VIII-XI; S=10	Sub adult
	1	Fragment of rib	L=RGP II, VIII-XI; S=10	Sub adult
	1	Fragment of right horn core	L=RGP I, II-IV; S13	Sub adult
	1	Distal fragment of 3rd and 4th metatarsal	L=RGP VII, A-C; S=2	Sub adult
	1	Distal fragment of left tibia	L=RGP II, XVIII-XXII; S=9	Sub adult
	1	Left fused navicular and cuboid	L=RGP II, XVIII-XXII; S=9	Sub adult
	1	Proximal fragment of left scapula with glenoid cavity	L=RGP II, XVIII-XXII; S=9	Sub adult
	2	Fragment of right upper jaw	L=RGP V, XIII-XVI; S=9	Sub adult
	1	Distal fragment of 3rd and 4th metacarpal	L=RGP VI, VI-VIII; S= 6	Sub adult

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Bubalus bubalis</i> (Linn.)	1	Proximal fragment of right scapula	L=RGP VI,VI-VIII; S= 6	Sub adult
	1	Fragment of left pelvis	L=RGP VI,VI-VIII; S= 6	Sub adult
	1	Fragment of horizontal ramus of mandible with 1st and 2nd molar teeth	L=RGP V, XIV-XXII; S= 9	Sub adult
	1	Left upper jaw with teeth	L=RGP V, II-VIII; S=10	Sub adult
	2	Right astragali	L=RGP V, II-VIII; S=10	Complete
	1	Left patella	L=RGP VI, IV-V; S=6	Broken
<i>Ovis vignei</i> Blyth	1	Thoracic vertebra	L=RGP II, II-V; S=7	Broken
	1	Left 2nd lower molar tooth	L=RGP I, IV-VII; S=10	Broken
	1	Distal fragment of right humerus with medial and lateral condyle	L=RGP I, IV-VII; S=5	Sub adult
	1	Left 3rd and 4th metatarsal	L=RGP I, IV-VII; S=5	Sub adult
	1	Distal fragment of right femur with distal epiphysis	L=RGP I, IV-VII; S=5	Sub adult
	1	Lumber vertebra	L=RGP I, IV-VII; S=5	Sub adult
	1	Thoracic vertebra	L=RGP I, IV-VII; S=5	Sub adult
	1	Proximal fragment of scapula	L=RGP I, IV-VII; S=5	Sub adult
	1	Distal fragment of right tibia	L=RGP I, IV-VII; S=5	Sub adult
	1	Fragment of right ramus of mandible with 1st and 2nd molar teeth	L=RGP VI, IV-VI; S=3	Sub adult
	1	Fragment of left horizontal ramus of mandible with 1st and 2nd molar teeth	L=RGP V, VI-VIII; S=10	Broken
	1	Right proximal fragment of 3rd and 4th metacarpal	L=RGP V, VI-VIII; S=10	Sub adult
	1	Axis vertebra	L=RGP II ,O-II; S=8	Complete
	1	Fragment of right humerus	L=RGP II ,O-II; S=8	Broken
	1	Proximal fragment of 3rd and 4th metacarpal	L=RGP V, XI-III; S=5	Broken

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Ovis vignei</i> Blyth	1	Atlas vertebra	L=RGP V, XI-III; S=5	Broken
	1	Lumber vertebra	L=RGP V, XI-III; S=5	Broken
	1	Shaft of tibia	L=RGP V, XI-III; S=5	Broken
	1	Fragment of right femur	L=RGP V, XI-III; S=5	Broken
	1	Lumber vertebra	L=RGP V, XI-III; S=5	Broken
	1	Right horizontal ramus of mandible with teeth	L=RGP VI, XIII-X; S=5	Broken
	1	Distal fragment of left tibia	L=RGP VI, XIII-X; S=5	Broken
	1	Right 3rd and 4th metatarsal	L=RGP VI, XIII-X; S=5	Broken
	1	Left lower 2nd molar tooth	L=RGP VI, IV-VI; S=6	Broken
	1	Proximal fragment of left scapula with a portion of blade without spine	L=RGP I, IV-VII; S=7	Broken
	1	Proximal fragment of 3rd and 4th metatarsal	L=RGP I, IV-VII; S=7	Broken
	1	Fragment of horn core	L=RGP I, IV-VII; S=7	Broken
	1	Right horizontal ramus of mandible with 2nd and 3rd premolar and 1st, 2nd and 3rd molar teeth	L=RGP V, XIII-XVII; S=9	Broken
	1	Fragment of right lower 2nd molar tooth	L=RGP V, XIII-XVII; S=9	Sub adult
	1	Distal fragment of shaft of radius	L=RGP V, XIII-XVII; S=9	Broken
	L	Left horizontal ramus of mandible with tooth	L=RGP II, VIII-XI; S=10	Broken
	1	Fragment of lumber vertebra	L=RGP II, VIII-XI; S=10	Broken
	1	Proximal fragment of femur	L=RPG V, IV-VIII; S=10	Broken
	1	Fragment of horizontal ramus of mandible with tooth	L=RPG V, IV-VIII; S=10	Broken
	1	Cervical vertebra	L=RPG V, IV-VIII; S=10	Slightly charred
1	Lumber vertebra	L=RPG V, IV-VIII; S=10	Broken	
1	Left calcaneum ,tuber calcis	L=RGP VI, O-X; S=7	Sub adult	

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material	
<i>Ovis vignei</i> Blyth	1	Fragment of right ramus of mandible with teeth	L=RGP II,,IV-VI; S=9	Broken	
	1	Thoracic vertebra with spinous process	L=RGP V, VI-VI; S=6	Broken	
	1	Proximal fragment of right radius	L=RGP I, IV-VIII; S=6	Broken	
	1	Left calcaneum	L=RGP II, VIII-XI; S=8	Complete	
	1	Fragment of distal shaft of right radius with distal epiphysis	L=RGP II, VIII-XI; S=8	Sub adult	
	1	Proximal fragment of left 3rd and 4th metatarsal	L=RGP II, VIII-XI; S=8	Broken	
	1	Distal fragment of 3rd and 4th metacarpal	L=RGP II, II-V; S=5	Broken	
	1	Fragment of left lower jaw with broken tooth	L=RGP II, XI-XVI; S=3	Broken	
	1	Proximal fragment of left tibia	L=RGP II, XI-XVI; S=8	Broken	
	1	Proximal fragment of left scapula	"	Broken	
	1	Distal fragment of right humerus without distal epiphysis	L=RGP II, O-II; S=10	Charred	
	1	Fragment of left ulna	L=RGP II, II-V; S=7	Broken	
	1	Distal fragment of humerus	L=RGP II, II-V; S=7	Broken	
	1	Right horizontal ramus of mandible with teeth	L=RGP II, II-V; S=7	Broken	
	1	Fragment of right 3rd and 4th metacarpal	L=RGP II, II-V; S=7	Broken	
	1	Left scapula with glenoid cavity	L=RGP II, II-V; S=7	Broken	
	<i>Capra hircus aegagrus</i> Ersl.	1	Left 1st molar tooth	L=RGP V, XI-XIII; S=10	Sub adult
		1	Left 2nd molar tooth	L=RGP V, XI-XIII; S=10	Sub adult
1		Left 3rd molar tooth	L=RGP V, XI-XIII; S=10	Sub adult	
1		Distal fragment of radius	L=RGP II, II-IV; S=15	Sub adult	

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Capra hircus aegagrus</i> Erxl.	1	Fragment of left horizontal ramus of mandible with 3rd premolar and 1st, 2nd and 3rd molar teeth	L=RGP V, XVIII-XXII; S=2	Sub adult
	1	Right upper jaw with 1st, 2nd and 3rd premolar and 1st molar tooth	L=RGP V, XVIII-XXII; S=2	Sub adult
	1	Left horizontal ramus of mandible with 2nd, 3rd premolar and 1st, 2nd and 3rd molar teeth	L=RGP V, II-IV; S=7	Sub adult
	1	Left upper jaw with 2nd and 3rd molar teeth	L=RGP V, II-IV; S=7	Sub adult
	1	Left horn core	L=RGP II, VIII-XI; S=2	Sub adult
	1	Fragment of left ramus of mandible with teeth	L=RGP II, VIII-XI; S=2	Sub adult
	1	Distal fragment of right humerus	L=RGP II, VIII-XI; S=2	Sub adult
	1	Fragment of atlas vertebra	L=RGP II, VIII-XI; S=2	Sub adult
	1	Fragment of horn core	L=RGP I, II-IV; S=8	Broken
	1	Shaft of right tibia without proximal and distal extremity	L=RGP I, II-IV; S=8	Broken
	1	Atlas vertebra	L=RGP I, II-IV; S=4	Broken
	1	Proximal fragment of left femur	"	Broken
	1	Distal fragment of left humerus without distal epiphysis	L=RGP I, IV-VII; S=7(A)	Sub adult
	1	Proximal fragment of left scapula with glenoid cavity, neck and a portion of blade with spine	L=RGP I, IV-VII; S=7(A)	Sub adult
	1	Distal fragment of 3rd and 4th metatarsal	L=RGP I, IV-VII; S=7(A)	Charred
	1	Proximal fragment of left 3rd and 4th metacarpal	L=RGP I, IV-VII; S=7(A)	Sub adult
1	Shaft of right tibia without proximal and distal ends	L=RGP I, IV-VII S=7	Broken	

Name of species	No. of Material	Identity of Material	Site (RGP)/Locus (L)/Stratum (S)	Condition of Material
<i>Capra hircus aegagrus</i> Erxl.	1	Right 1st molar tooth	L=RGP I, IV-VII S=7	Broken
	1	Lumber vertebra	L=RGP V, XIII-XVI; S=11	Broken
	1	Left horizontal ramus of mandible with 2nd and 3rd molar teeth	L=RGP V, XIII-XVI; S=11	Broken
	1	Fragment of rib	L=RGP I, IV-VII; S=6	Broken
	1	Left horizontal ramus of mandible with teeth	L=RGP I, IV-VII; S=6	Broken
	1	Proximal fragment of left radius	L=RGP I, IV-VII; S=6	Broken
	1	Left tibia	L=RGP I, IV-VII; S=6	Broken
	1	Distal fragment of left radius without distal epiphysis	L=RGP II, I-XVI; S=6	Sub adult
	1	Proximal fragment of right radius	L=RGP II, I-XVI; S=6	Charred
	1	Distal fragment of right tibia with medial malleolus	L=RGP II, I-XVI; S=6	Broken
	1	Left 1st phalanx of fore foot	L=RGP II, I-XVI; S=6	Broken
	1	Proximal fragment of right tibia without proximal extremity	L=RGP I, II-IV; S=5	Broken
	1	Proximal fragment of left 3rd and 4th metatarsal	L=RGP I, II-IV; S=5	Broken
	1	Left scapula with glenoid cavity, tuber scapulae, neck and a portion of blade	L=RGP II, 0-II; S=4	Broken
	1	Proximal fragment of right femur without proximal epiphysis	L=RGP II, 0-II; S=4	Sub adult
	1	Proximal fragment of left scapula with glenoid cavity	L=RGP V, VI-VIII; S=10	Sub adult
	1	Distal fragment of right humerus	L=RGP V, IX-XI; S=8	Sub adult
	1	Right upper 3rd molar tooth	L=RGP V, IX-XI; S=8	Sub adult
	1	Left 1st molar tooth	L=RGP I, II-IV; S=13	Sub adult

FAUNAL DIVERSITY AND PATTERN OF OCCURRENCE

Remains of altogether ten animal species have been recorded from Rangpur archaeological site as presented in Table 2.

Table 2. Animal forms recorded from Rangpur excavation and there present state of distribution.

Group	Scientific Name	Comon Name	Present Natural Distribution	Cultural Stratum*
Mollusca: Vasidae:	<i>Turbinella pyrum</i> (Linn.)	Chank	South east coast through Sri Lanka to South west coast in Kerala, Gulf of Kachchh, Gujarat; Bangladesh	III
Reptilia : Chelonia:	<i>Chitra indica</i> Gray	Narrow headed softshelled Turtle	India: Uttar Pradesh, Uttarakhand, Bihar, West Bengal; Nepal; Pakistan; (Indus and Gangetic river systems); Malaysia and Thailand	III
Mammalia: Canidae:	<i>Canis familiaris</i> Linn.	Domestic Dog	World-wide due to transshipment by human	III
Perissodactyla: Equidae	<i>Equus</i> sp. indet.	Donkey/ Horse	Wild form in East Africa (Sudan, Somaliland). Domestic form distributed in many parts of the world through human agency	III
Artiodactyla: Suidae	<i>Sus scrofa cristatus</i> Wagner	Boar	Throughout India; Pakistan; Sri Lanka; Nepal; Bangladesh; Myanmar; Indonesia; Malaysia and Vietnam	II A, II B, II C, III
Artiodactyla: Cervidae	<i>Cervus unicolor</i> Kerr.	Sambar	Forests of India; Myanmar; Sri Lanka; Nepal; Indonesia (Sumatra, Borneo, Java); Malaysia; introduced to Australia and New Zealand	III
Artiodactyla: Bovidae: Bovinae	<i>Bos indicus</i> Linn.	Domestic Cattle	Distributed world-wide through human agency	II A, II B, II C, III
	<i>Bubalus bubalis</i> (Linn.)	Indian Buffalo	Terai and plains of Brahamaputra valley in Assam, Orissa, Madhya Pradesh and forests of Nepal	II A, II B, II C, III
Artiodactyla: Bovidae: Caprinae	<i>Capra hircus aegagrus</i> Erxl.	Goat	India; Pakistan (Baluchistan); Iraq; Iran; Asia Minor. Domestic form distributed in many parts of the world through human agency	II A, II B, II C, III
	<i>Ovis vignei</i> Blyth	Sheep	Wild form ranges from Gilgit, Astar and Ladak in Kashmir, eastward to northern Tibet, Punjab; Pakistan (Sind, Baluchistan), and southern Persia (Iran). Domestic form distributed in many parts of the world through human agency	II A, II B, II C, III

***CULTURAL STRATA:** II A (Harappa culture), IIB (Late Harappa culture), IIC (Transition phase of Harappa culture) and III (Post Harappa culture).

The relative availability of animal remains, extent of diversity, and relative dominance of different taxa in the excavated faunal remains are shown in Tables 3 and 4.

Table 3. Comparative availability of Animal Remains (specimens) in different cultural periods at Rangpur

Cultural Periods	Animal Groups			
	Mollusca (No.)	Reptilia (No.)	Mammals (No.)	No. of species
II A	–	–	86	5
II B	–	–	324	5
II C	–	–	268	5
III	2	2	1144	10
Total:				1822

Table 4. Relative availability of specimens of different animal species

Animal species	No. of specimens	Percent occurrence
<i>Bos indicus</i> Linn.	1504	82.54
<i>Sus scrofa cristatus</i> Wagner	116	6.35
<i>Ovis vignei</i> Blyth.	93	5.10
<i>Capra hircus aegagrus</i> Erxl.	59	3.23
<i>Bubaus bubalis</i> (Linn.)	42	2.30
<i>Equus</i> sp. indet.	2	0.10
<i>Chitra indica</i> Gray	2	0.10
<i>Turbinella pyrum</i> (Linn.)	2	0.10
<i>Canis familiaris</i> Linn.	1	0.05
<i>Cervus unicolor</i> Kerr.	1	0.05

DISCUSSION

Civilizations are all primarily riverine and they all are intimately related to the river systems which provide the environment for essential subsistence basis and cultivation of food grains. The Indus civilization which arose somewhere around 2500 B.C. (see Wheeler, 1961) in the lower Indus river valley flourished in riverine environment in the Indian subcontinent with vast resources of soil and water available. The Indus is one of the mighty flowing rivers in the world that receives water from

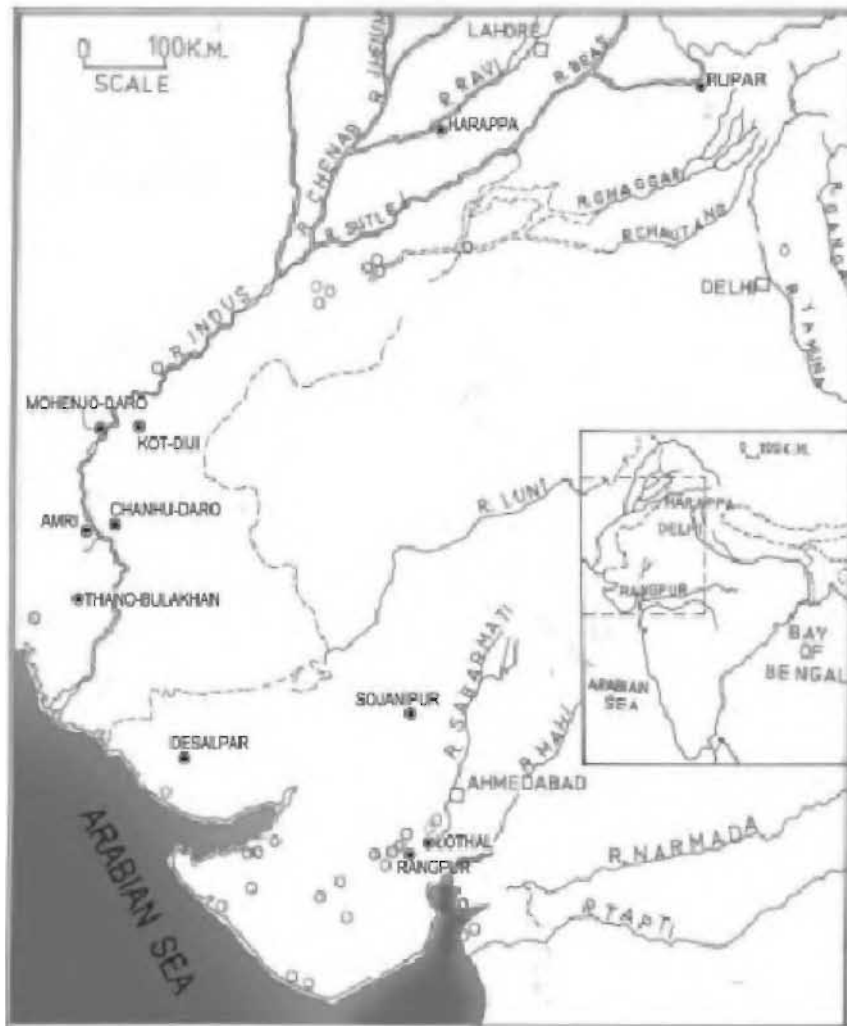
the mountains of eastern Afghanistan as well as the Himalaya. In its course it is joined by the major tributaries of western Punjab. Eventually enormous was its soil burden that raised its beds in southern Punjab and Sind. The food producers who arrived in long past in the Indus river valley were thus in control of an environment whose resources were huge. The Indus river valley was thus capable of supporting a life which was advanced by dint of its practices and subsistence patterns. An important sphere of the Indus civilization was its expansion and proliferation over a large area with several

ecozones possessing different environmental situations and economic potentialities. The enterprising Harappans had shown their wisdom in selecting their residing places during their dispersal at different directions. Their innate capacity and accessibility to natural resources were largely responsible for the growth, proliferation and long term survival of the Harappa culture. Discovery of a number of Harappan sites at different places of Gujarat depicted that the land emerged as one of the preferred destinations of the Harappans during their growth phase in the entire Harappan domain (see Text-Fig. 4).

Until recently it was believed that the earliest settled agricultural communities in Gujarat were

associated with the Mature Harappan phase of the Harappa culture. Several recent excavations in north Gujarat (Bhan, 1994), Saurashtra (Shinde, 1992) and Kachchh (Bisht, 1997), and reanalysis of the archaeological findings from different previously excavated sites have suggested that prior to the incoming of the Harappans Gujarat was already inhabited by the regional non-Harappan microlithic communities. It is noteworthy in this regard that regions of Kachchh, north Gujarat and Saurashtra have revealed sites of pre-urban phase establishing the existence of regional chalcolithic traditions.

Reviews of the Pre/Early Harappan phase of Gujarat are available in the works of Possehl



Text-Fig. 4 : Distribution of Indus (Harappa) culture sites [round spots] in the Indian subcontinent [Pakistan and western India] (after Rao, 1962-63)

(1993), Sonawane and Ajithprasad (1994), Bhan (1994) etc. It is therefore, apparent that the elements of Harappan culture of Sind and Baluchistan extended southwards as far as north Gujarat when this region was already inhabited by the indigenous microlithic/chalcolithic communities. In the initial phase the immigrant Harappans might have interacted with the indigenous folk for necessary exploitation of the local resources in order to meeting their genuine needs. Presumably, the Harappans were received favourably and their early settlements were unopposed. Such a co-existence suggested reciprocal relationships between two communities with cultural differences. Gradually the local people became inclined to the ceramic wares, lithic tools and metal equipments of the newcomers. The full control of the situation by the Harappans was achieved in successive phases (Rao, 1979; Saha *et al.*, 2003). It is evident from the available data that the southward expansion of the Harappa culture into Gujarat during its Mature phase was marked by the acceleration of the process of utilizing natural resources by gradually colonizing selective locations considering their resource potentialities mainly for trade purposes rather than acquiring the entire territory for administrative dominance (Sonawane, 1992).

The Harappan concept, derived from various archaeological findings influenced the interpretations of the discoveries in Gujarat. Initially, M.G. Dikshit's (1950) work recognizing the Chalcolithic phenomena at some of the Harappan settlements of Saurashtra were not given due importance at that time. In that scenario, Rao in his renewed excavation at Rangpur in 1953 tried to ascertain the nature of the material relics and was able to establish the Harappan feature by following the type-fossil analogy method (Rao, 1962-63). Rao (*op. cit.*) had also observed that much of the materials at the site were in variance with the true Harappan material. Stratigraphically, these 'sub-Indus' elements were predominantly recovered from the upper levels. This led to the concept of three-fold divisions of the Harappan culture in Rangpur vis-à-vis in Gujarat into Mature, Late and Post-Harappan phases.

Rao (1962-63) was finally able to remove the last lingering doubt, through the excavation at Rangpur, regarding the southward expansion of the Harappa culture in the current Indian territory. He (*op. cit.*) further stated that the Harappans came to Lothal in Gujarat for trade or colonization purpose in c.2450 B.C. and developed the place as a large trade-centre by 2000 B.C. A part of the population thence moved towards Rangpur on one side and Bhagatrav on the other. Rangpur flourished gradually with extended trade practices, even to the distant Sumerian cities.

The study of the animal remains can contribute to the past ecological conditions and human-animal relationships to certain extent. Animals with hard exoskeletons (mollusks, turtle etc.) and endoskeletons (vertebrates) were only recovered from the excavations. The skeletal remains of animals were mostly fragments of different bones. These remains were somewhat fragile. The animal species recorded through skeletal remains were not quite extensive and mostly of the domestic forms (see Table 2). Maximum number of skeletal fragments were recovered from the Post Harappa culture (III), followed by Late Harappa culture (IIB), Transition phase of Harappa culture (IIC) and Harappa culture (IIA); no specimen was however, available from the pre-Harappan Microlithic culture (see Table 3). Non-availability of fish and bird bones in the recovered faunal remains are noteworthy features. They were however, seen in good numbers in the animal remains from Lothal archaeological site (see Saha *et al.*, 2003). Highest numbers of animal forms (10 spp.) were encountered in the Post Harappa culture; Harappa culture phase displayed at least 5 species, which were also recovered from the Late Harappa and Transition phase of the Harappa culture (see Table 2 and 3). Among the available material specimens of *Bos indicus* comprised the largest share (82.54 %) followed by *Sus scrofa* (6.36 %), *Ovis vignei* (5.10 %), *Capra hircus aegagrus* (3.23 %) and *Bubalus bubalis* (2.30 %). The remaining five species comprised only 10.66 per cent of the examined remains (see Table 4).

Apart from simple zootaxonomical approach the dimension of human-animal relationships in the

past human societies have also become the focus of the archaeological studies in last three to four decades. The faunal analysis threw light upon the meat/animal protein components of human diet, nutritional enrichment and useable items of animal products as well as utility of animals as labour and protection forces (see Allchin, 1969; Allchin and Allchin, 1974; Alur, 1973a, b; Thomas, 1974; Badam, 1984; Thomas & Joglekar, 1994; Saha *et al.*, 2003; Pal *et al.*, 2004; Talukder and Pal, 2007; Nandy & Pal, 2009; Pal & Talukder, 2009, etc.).

Many of the recovered animal forms viz., *Bos indicus*, *Bubalus bubalis*, *Ovis vignei*, *Capra hircus aegagrus*, *Equus* sp. and *Canis familiaris* were domestic forms by all probability; *Sus scrofa cristatus* is also presumably a domestic form. The occurrence of Sambar (*Cervus unicolor*) is of little significance. This species has not been encountered normally in the wild from this part of the country in recent times. It appears that the habitat conditions were surely much different from the present situation and that provided support base for the animal to thrive. The animal was perhaps hunted by the earlier people. The turtle, *Chitra indica* is still found in the Indus river system (apart from the Gangetic river system). Presently, a radial pattern of drainage has developed in Kathiawar streams flowing in different directions from the central highland. It is presumed that the highland had substantive vegetative cover and the drainages had increased flow due to higher precipitation. The river system of Kathiawar peninsula, with all probability, was well connected with the river system of the peninsular plateau and Indo-Gangetic plain. Many riverine animals which in these days are not naturally occurring in western part of India had a wider distribution in the past (Saha *et al.*, 2003).

There was use of shell items in the life of Harappans and post-Harappans. The availability of the sea shell (*Turbinella pyrum*) was not a great difficulty as the area was not far off from the sea coast. Cattle (*Bos indicus*) bones are nonetheless more prevalent amongst the recorded animals and virtually this species dominated in most of the excavated sites of the Indian subcontinent. It is

believed that the Harappans had extensive cattle husbandry. Apart from consumption of meat the animal hides were also used, but milking of domestic cattle by the earlier folk remained a debatable aspect. Allchin & Allchin (1974) opined that these cattle were indigenous breed domesticated from local wild forms. Caprine (sheep and goat) bones were encountered in lesser number. These two animals are not indigenous forms and were domesticated primarily in Southeast Asia (Mason, 1984; Davis, 1987; Legge, 1996; Meadow, 1996). These domesticated forms were apparently introduced by humans, by either migratory folk or through trade practices. The earlier people were also familiar with the use of dog (*Canis familiaris*) as the animal for protection. It is uncertain from two small broken bones to state whether they are of horse (*Equus caballus*) or donkey (*E. asinus*). The Harappans were however, not unfamiliar with the horses and the animal was recorded earlier from other Indus culture sites (Sewell & Guha, 1931; Prashad, 1936; Nath, 1962, 1963; Saha *et al.*, 2003). Horse and dog were presumably brought from Central Asia (Saha *et al.*, op. cit.).

While dealing with the gradual growth and decline of an old culture in Kathiawar that evolved primarily in far off Indus valley and in past environmental scenario of the area, a question obviously comes in mind that how and when this civilization met an end. There has been a general belief that the civilization was imported from outside the Indus valley, perhaps from the subcontinent (Raikes, 1964). We now know that the Harappa culture covered a vast area of countries that are now India and Pakistan- an area bounded in the northeast by the Himalaya, in the southwest by the Arabian sea, in the west by Baluchistan extending in the east to as far as the Ganges-Jumna Doab, and in the southeast to Saurashtra. The whole area was not occupied simultaneously. The southward extension into the Saurashtra may have represented a later phase (Wheeler, 1961). A number of reasons are put forward by different authorities regarding the decay and end of the civilization, and precisely these are as follows:

- i) Invasion of the barbarians;
- ii) Recurring intense floods;
- iii) Tectonic movement and uplift of Indus delta;
- iv) Change of climatic situation.

Let us make an overview of the opinions. It was stated that the Harappan civilization was the victim of assaults by nomadic invaders, or at least that of its principal cities, by barbarians from the mountains of Baluchistan (Piggott, 1950). Recently, some support has developed for the view that some time might have elapsed between the end of the Harappa culture and the coming of the Aryans (Raikes, 1964). But whatever the cause is, the end of the principal cities of Harappans are dated about 1500 B.C. by Wheeler (1961). The inference on the end of the civilization due to invasion was drawn mainly from a comparatively small number of human skeletons, who supposed to have died violently. This assumption of invasion did not receive much support of the archaeologists in recent times. Guisepi (2006) was quite critical to the view and stated that a dramatic vision of a wave of barbarian invaders smashing down dwellers' skulls made for good storytelling but bad history. Archaeological investigations carried out in recent decades demonstrate rather conclusively that Harappa declined gradually in the middle centuries of the Second millennium B.C. There was no doubt of a few smashed skulls but these have been dated somewhat earlier than the period when the civilization disappears from the history.

The lower Indus plains were a very different place in the Third millennium B.C. than they are today. Most of the region is now arid and desolate, criss-crossed by dried up river beds and virtually devoid of forests. In Harappan times, it was green and heavily forested. Game animals and pasturage for domesticated animals were plentiful (Guisepi, 2006). It is considered that there may be a combination of factors for the decline of Harappan culture. There may have been recurring flood through successive years during which the annual Indus floods shattered the agriculture and food production for the people; or there may have been epidemics. As regards inundation of the Indus plain

as a cause of demise of the culture it would be necessary to suppose that the flood situation of the Indus underwent enormous and abrupt change at the last phase of the Harappan occupation of the site. The flood regime of the Indus becomes less independent of local climatic variations in the plain as it depends primarily on the snow cover and snow melting of the Himalaya. Hence, for the snowmelt pattern of the Himalaya to change it would be necessary to think for a major and sudden climatic change. Further, in the possibility of a large scale epidemic there would have evidence of mass burials. But practically no such burial was recorded.

Sahni (1956) pointed out to the evidence for changes of level in the Indus valley and opined that these might have been one of the reasons for demise of certain Indus cities. He (*op. cit.*) referred to the occurrence in 1819 near Hyderabad, Sind of a sudden local uplift of part of the flood plain of the Indus causing flooding of about 2000 sq. miles of area which endured for about two years. This uplift of a strip of land of about 50 miles long, on an average about 15 miles wide, to an average height of about 15 ft. above the flood plain, occurred apparently as a result of an earthquake. Such an occurrence near Mohenjodaro could be accounted for the still-water flood conditions for explaining great depth of silt over the past settlement. He ascribed the flooding of Mohenjodaro to the bursting of temporary natural dams in the Indus headwaters. As regards the geological evidence, it has been suggested that some of the prehistoric beaches are the result of recent coastal uplift (Harrison, 1941; Pendse, 1946; Ullah, 1953; Siddiqi, 1953; Snead, 1963). There has however been no consensus about the reasons, put forward by archaeologists or geologists, for the decline and end of Harappa civilization. The whole subject was therefore, needing a new and fresh approach.

Climate change has often been referred to as the deciding factor in cultural changes in the context of the Indus civilization. This was put forward in an articulated manner in the 'culture-climate' hypothesis by Singh (1971) and Singh *et al.* (1974)

who conjectured the flourishing of the Harappan civilization to a period of higher rainfall during the Third millennium B.C. and its fall to a diminishing rainfall, identified on the basis of pollen sequences from the salt lakes of Rajasthan at c. 3700 ybp (years before present) (see Bryson & Swain, 1981; Agrawal, 1982; Swain *et al.*, 1983). In recent times, Naidu (1996, 1999) while dealing with change of climate in the Indian subcontinent during Holocene pointed out that pollen records

from lake sediments of Rajasthan revealed greater rainfall during 9000 to 6000 years ago; marine and terrestrial records documented that the climate started shifting from humid to dry arid from c. 5000 years ago and reached an arid phase at c. 3500 years ago (see Table 5). Drastic reduction in rainfall could have led to the collapse of the Indus valley civilization and desiccation of River Saraswati. Later, Dasgupta & Chattopadhyay (2004) postulated that the Indus valley civilization,

Table 5. Important climatic events during the Holocene in the Indian subcontinent (after Naidu, 1999).

1200 years B.P. - present day	Present day condition of vegetation and climate began at 1200 years B.P. Sea level was 2 m. lower than the present level.
3500 - 1200 years B.P.	No pollens were preserved in Indian lakes dried up in an oscillatory fashion. Climatic conditions were drier; less rainfall. Decline of Indus Valley civilization and desiccation of River Saraswati.
5000 - 3500 years B.P.	Moist condition with good rainfall characterized by high values of sedges, trees, and shrubs. Sea level was 6 m. lower than the present day.
9000 - 5000 years B.P.	Relatively high rainfall as indicated by the presence of Typha, Artemenia in lake sediments of Rajasthan and also greater values of upwelling indices in the Arabian Sea sediments. Sea level was 40 m. lower than the present day.
10000 - 9500 years B.P.	Rainfall belts shifted westward and precipitation was c.250 mm./year higher than the present; lake levels rose dramatically.
12000 - 10000 years B.P.	Major deglacial event, intensification of the southwest monsoon; younger Dryas Event. Sea level was 90 m. above the present level.

Table 6. Number of sites and approximate settled area during different phases in entire domain of Indus civilization (after Madella & Fuller, 2006)

Archaeological Periods	Site counts	Settled area (ha)	Average size (ha)
Late Harappan	1281	4484	3.5
Mature Harappan	1022	7358	7.2
Early Harappan	477	2146	4.5
KGM/Harka/Ravi	340	1625	4.8
Kachi (Burj)	33	86	2.6
Merhgarh 1A	20	52	2.6

one time pride of the mankind, became victim of ecological disaster and described the incidence as 'paradox of history'. They (*op. cit.*) stated that this civilization was destroyed due to lack of man's knowledge of ecological consequences. Deterioration of the biotic atmosphere, namely, deforestation, lack of rainfall, pestilence, soil erosion etc. strongly paved the path of its ruin.

The above view received acceptance of several Quaternary scientists (Bentaleb *et al.*, 1997; von Rad *et al.*, 1999; Staubwasser *et al.*, 2003), while the view was criticized by several archaeologists (*viz.*, Misra, 1984; Ratnagar, 1987, 2000; Schaffer & Liechtenstein, 1989; Paddaya, 1994; Possehl, 1997a,b, 1999; Fuller & Madella, 2001; Madella & Fuller, 2006). While the 'culture-climate' proponents relied upon less well dated data sets, the more extensive palaeoclimatic records available today contradict this view (see Shaffer & Liechtenstein, 1989). Higher winter rainfall, inferred by Bryson & Swain (1981), date to a pre-Mature Harappan period was deduced from more extensive and currently available calibrated dating evidence (see Phillips *et al.*, 2000). This higher winter rainfall would have significantly influenced the cultivation of the winter-spring crop package (wheat, barley, peas, lentils, grasspea, linseed etc.) which served as the subsistence base of the pre-Harappan villages of the Indus valley and its borderlands (see Meadow, 1996; Tenberg, 1999; Fuller & Madella, 2001; Fuller, 2002; Weber, 2003). Further, higher precipitation would have increased flood levels in the rivers and allowed increased cultivation on receding flood areas. Eventually, growing surpluses would have supported demographic expansion and spread of agriculture.

While higher rainfall of Fourth millennium B.C. promoted the more widespread adoption of agriculture and stable settlements, subsequent decrease in rainfall might have contributed to growing population density in certain regions. It has been suggested by Madella & Fuller (2006) that the increase in sites next to Ghaggar-Hakra and Indus during the Mature Harappan phase (see Table 6) could have been in part due to a concentration of the settlements along river

systems as rain fed cultivation became more difficult. Changing cultural practices involving some kind of water management might have encouraged the concentration of population along water courses. They (*op. cit.*) were not at all in agreement with the view attributing the end of Harappan civilization to a harsh climatic event.

The available information and datasets reflected that the social complexity of Harappan civilization was obviously influenced by increased aridity and harsh climatic events. However, far more local-scale archaeological, bioarchaeological and palaeoenvironmental data are required to link social change explicitly with the environmental changes at local scales. So, it would enable local trajectories of environmental change that may be related to local archaeological records.

SUMMARY

One of the three earliest civilizations of the world evolved in the Indian subcontinent in the Indus river valley sometimes around 2500 B.C. and the evidences of which were discovered in Harappa and Mohenjodaro (now in Pakistan) in 1920s. There was virtually no site of the Indus or Harappan civilization recorded within the present day Indian territory at the time of independence and partition of India in 1947. This deficiency in terms of ancestry of civilization created an urge amongst the Indian archaeologists to trace out evidences of Indus civilization along the tributaries of Indus river within the Indian land, and efforts by them resulted in sporadic identification of prospective sites in western India close to Indo-Pakistan border. There had been a sense of belief in some archaeologists that the ancient mound at Rangpur in the bank of river Bhadar in Surendranagar District of Gujarat, which was primarily dug out in 1934 revealing post-Harappan material clues, may be a centre of the Indus Valley civilization. Exploration of material clues of true Indus civilization in places of far northwestern India sensitized the Archaeological Survey of India (ASI) to take up thorough archaeological excavation programme in Rangpur to ascertain its true archaeological gravity. The renewed excavation during 1953-55 by the ASI explored a

lot of objects of archaeological as well as bioarchaeological significance. The recovered archaeological objects suggested a time frame of 3000 B.C. to 800 B.C., divisible into five Cultural periods including true Harappa culture, of the ancient civilization in that area. The area possessed evidence also of inhabitation of indigenous microlithic human communities prior to the arrival of the Harappans in this zone. The analysis of faunal remains (1822 specimens/fragments from different cultural periods) comprising mostly hard exoskeletons of mollusks and turtles and endoskeleton of vertebrates revealed the presence of 1 species of Mollusca, 1 species of Reptilia and 8 species of Mammalia. Animal remains were mostly of domestic animals and in which cattle bones outnumbered others. Various aspects like, past ecological set-up, human-animal relationships, presence of alien species, husbandry of live-stocks, human diets, shell crafts, etc. have been assessed through the available animal remains. The faunal remains along with various archaeological objects are suggestive of overseas trade link with places across Arabian Sea and cultural exchange between the autochthonous people and exogenous Harappans.

The Indus civilization which came up in the lower Indus Valley about 4500 years ago (c. 2500 B.C.) and expanded gradually over a large area in the Indian subcontinent collapsed by about 3000 years ago (c. 1000 B.C.). The reasons for decay of the Indus civilization have also been taken into consideration while dealing with the growth, nature and decline of this civilization in Rangpur and nearby places in Gujarat. There have been difference of opinions by the researchers for the decline of the Indus cities and briefly these are: (i) invasions of the barbarians, (ii) recurring floods, (iii) tectonic movement and geomorphologic changes, and (iv) change of climate in the Harappan domain. All these assumptions did not receive equal importance by the archaeologists in recent times. It has been largely accepted by the researchers that the lower Indus plains were green with considerable forest covers holding plentiful game animals and enough pasturage for domestic live-stocks in the Third millennium B.C. The same

area has now become arid with signs of dried up watercourses and devoid of forests. Emerging information also point out to the onset of change of climate with lesser rainfall about 3500 years ago. The changing situation in past created gradually unfavourable conditions for living. Lack of knowledge for facing the ecological odds perhaps added to the misery of the Indus people and destruction of their societal set-up. There are however still many more points regarding the demise of the civilization yet to be answered properly. Further researched data on the archaeology, bioarchaeology and palaeoenvironmental conditions may be able to correlate social configurations of the Indus people with the environmental changes more explicitly.

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