The Hirbemerdon Tepe Archaeological Project 2008: A Preliminary Report

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The Hirbemerdon Tepe Archaeological Project 2008: A Preliminary Report

Nicola LANERI - Jason UR

AYRI BASIM
In 2008, the archaeological work at Hirbimerdon Tappe continued following...

Town and the high mound were occupied. The period of occupation is the early second millennium BC, when both the Older Bronze Age and the Early Iron Age were present. The town was characterized by multiple phases, with major archaeological features and large structures in the center. In addition, there were agricultural activities along the river, subsistence economy that includes agricultural activities along the river. The river rises towards the Dead Sea, creating a unique landscape for a combined study of the river and its surroundings. Hirbimerdon Tappe is located along the left bank of the upper Jordan River, about 40 km southeast of the modern city of Jericho.

Jason Ur
Nicolae Ianneli

Project 2008: A Preliminary Report
The Hirbimerdon Tappe Archaeological
the premises traced in the previous six years of work and have been based upon
a broader understanding of the role the site had in the history of the upper
Tigris river valley. During this archaeological campaign, the Hirbemerdon
Tepe Archaeological Project was focused on defining and further investigating
the following points:

1) To enlarge the exposure of the area of the architectural complex dating
to the Middle Bronze Age in the High Mound (Area A). In particular,
archaeological excavation was performed in the public/ceremonial sector
located in the southern part of the complex.

2) To begin with the excavation of the Step Trench AB-AC that will cut
through the whole High Mound and guarantee a better understanding of
the chronological phases of occupation in this area of the site. In so doing,
we decided to first test the area north of the architectural complex to better
define the phases of occupation occurring before the construction of the
architectural complex at the beginning of the second millennium B.C.

3) To continue with the regional survey of the area surrounding the site of
Hirbemerdon Tepe.

**Excavation on the High Mound**

The investigation on the High Mound aimed at extending the eastern
limit of the architectural complex of the Middle Bronze Age. In so doing,
we excavated a 20×10 m. trench positioned along the main E-W section
(Fig. 1). As noticed in the previous archaeological campaigns, the latest
archaeological loci correspond to a series of badly disturbed architectural
features belonging to the Medieval/Islamic period and the Iron Age phase.
While the Medieval/Islamic is recognizable only in a few patches of walls
and little material culture (e.g., Glazed Ware),\(^2\) the levels belonging to the
Iron Age phase are more complex to identify and are comprised of an Early

\(^2\) For a better understanding of these later phases, we are planning the excavation of a step
trench starting from the 2009 season.
The architectural complex of the Middle Bronze Age is represented by the Middle Bronze Age and, in the High Mound, by the Iron Age. However, the most important archaeological phase at Hiqeran Tappeh is the Iron Age (Moloney et al., 2007: 43-44).

This region (Moloney et al., 2007: 43-44) has shown a few architectural features, notably the Iron Age fortifications that are associated with the Iron Age occupation. These fortifications are characterized by the presence of internal structures and the presence of local pottery. The Late Assyrian period (7th-6th centuries BC) is marked by a series of cultural changes, including the introduction of new architectural styles and the development of new techniques for the production of pottery. The Late Iron Age (7th-5th centuries BC) is characterized by the presence of local pottery and the development of new architectural styles. The post-Assyrian period (4th-3rd centuries BC) is characterized by the presence of local pottery and the development of new architectural styles. The Late Iron Age (7th-5th centuries BC) is characterized by the presence of local pottery and the development of new architectural styles. The post-Assyrian period (4th-3rd centuries BC) is characterized by the presence of local pottery and the development of new architectural styles.
The archaeological work has confirmed the premises and a series of radiocarbon dates have further demonstrated that this architectural complex chronologically ranges between ca. 2064 and 1416 B.C. (Laneri et al. 2006). The architectural complex can be possibly divided into three main sectors (Fig. 2): one central sector dedicated to more public/ceremonial activities; another area, separated from the central one by a long alley, that is marked by the presence of long narrow buildings built in an agglutinated manner and that show clear signs of working activities, such as mortars, pestles, grinding stones and hydraulic facilities found in situ; and finally, a third sector located in the southwest corner with an unclear function.

In particular, the archaeological work of last summer concentrated on investigating the southeastern part of the public/ceremonial sector (Fig. 3). This section of the architectural complex is composed of at least two large outdoor spaces, in one of which the archaeologists have discovered numerous unique objects whose function was ceremonial. Moreover, most of these objects, such as highly decorated ceramic vessels, human and animal clay figurines, and clay votive plaques (Fig. 4), were recovered nearby a stone basin located along the southwestern edge of the piazza.

Next to the piazza lays a monumental building that has only one entrance from the main alley and is based on an antechamber and a series of rooms. Among these rooms, a long room appears as the most important one. It is directly accessible from the antechamber through a door that is in axis with the main door serving the whole building and is marked by a stone altar and two perpendicular drains located behind it (Fig. 3). This room was monumental as is demonstrated by its size, the thickness of the outer walls and the large flagstones paving it. Moreover, a foundation deposit, consisting of a piglet inserted in a fine cup of the Red Brown Wash Ware assemblage, was found in the northeastern corner of this room and further emphasizes its importance. During the excavation of 2008, our main goal has been to bring to light the room lying directly east of the long-room, that is room 52. This room has its entrance from a vestibule located next to the antechamber and was sealed

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in which the ubiquitous presence of the red brown wash appears
corporate Middle Bronze Age sites of the upper Tigris lower valley
within the architectural complex have clear parallels with reports from
In terms of pottery assemblage, most of the pottery categories found
seeded stones and fragmented stones jars.
and broken vessels were found, whereas the other one was filled with mud-
the architectural complex. Moreover, in one of these rooms numerous whole
were accessible from the\textit{piazza} and the monumentality of the whole facade
between the floors of the uppermost building and the\textit{piazza}'s floor. The rooms
at a lower level. Four meters of difference in elevations are recognizable
same manner in order to connect this higher building to the\textit{piazza} located
case of a mud-brick superstructure and a series of small rooms constructed in a
an extraordinary retaining construction consisting of a wide stone wall built
To further emphasize its monumentality, the western side was built on top of
almost total lack of working tools suggested a public purpose for this sector.
location and monumentality both in plan and architecture together with an
function, and the distinctive features of this building. However, its central
Due to its poor state of preservation, it is very difficult to reconstruct both
consists of a series of outdoor and indoor rooms, and wide external walls.
because of later pits and of the slope, this building is poorly preserved and
hence to connect the previously described building to the uppermost one.
Thus, another outdoor space was created in another
terracing system and, as a consequence, outdoor spaces were used to chain
Due to a steep slope in the vicinity, the public area was built using a
main\textit{piazza}.

ceremonial objects were probably disposed of and purposely broken in the
of a dean of these ceremonial spaces prior to their abandonment. The
broken objects were found in this room confirming our preliminary hypotheses
a squared bench of stone foundation and mud-brick superstructure. A few
by the collapse of the roof. ALong the western wall the archeologists found
as a marker for the first half of the second millennium B.C. whereas the painted ware (that we named Pseudo-Khabur Ware) forms a clear link with northeastern Syria (Laneri et al. 2008).

In terms of paleobotanical analysis carried out at the site by Matte Held, the assemblage of crops is quite typical for the Middle Bronze Age in this region as well as at other northern Syrian and southeastern Anatolian sites (Laneri et al. 2008). However, the presence of grapes and other remains of Vitis Vinifera within some of the rooms of the ‘architectural complex’ appears of great importance for a better understanding of the socioeconomic landscape of the region during the Middle Bronze Age.

For the faunal remains, the analysis has been initiated by Remi Berthon who has included in his study both the Middle and Late Bronze Age levels (Laneri et al. 2008). The first data show a subsistence based on domestic animals. According to Berthon, cattle were of great importance in the food supply at the site during these archaeological phases. The high number of pigs and caprines bones also suggests that both had an important role in the economy of the site. While pigs were a good meat supplier, sheep and goat could have been used also for secondary products as indicated by the relative high number of old individuals. Hunting was also an important factor at Hirbimerdon Tepe during the second millennium B.C. as has been demonstrated by the presence of antler and deer bones.

The Step Trench AB-AC

Another important step towards a better understanding of the chronological sequence at Hirbimerdon Tepe is the excavation of a long step trench of about 3 meters wide and 50 meters long that will further investigate the northern sector of the High Mound (Fig. 1). As a preliminary step in this direction, last summer we decided to investigate the area north of the architectural complex (the AB section). In so doing, we have been able to define a few disturbed floors directly underneath the complex’s architecture. In particular, Locus 12
unsuitable for agriculture. Because of its agricultural potential, the terraces behind the 2002, Kuzucuoglu 2002), and in eastern zone of dry eroded uplands that are areas a western zone of cultivated terrace lands and low hills (Dogan 2002).

The survey region can be roughly divided into two geomorphological

millenniums or more.

Dioes of pastoral nomadic groups that have settled in the region over the last term patterns of Mbl settlement complementarity with Hitemerion and also the use and modification beyond the sites. We are particularly interested in the human occupation of the region and to identify various forms of human land (Fig. 5). Our goals are to document traces of sedentary and non-sedentary June 2008. Our survey region is a 48 km² area on the right bank of the Tigris The Hitemerion Type Survey (HTMS) conducted its second season in

The Hitemerion Type Regional Survey

further contrasting a possible occupation at the site during these periods.

earlier archaeological complexes not recognizable by the excavation, but they are above the natural bedrock. These sherds are probably part of a washing of fragments of Chalcolithic Ware of the Chalcolith period were found directly behind pottery assemblages (e.g., Fine Ware and Metalic Ware) and a few in addition to these data, fragments of the first half of the third millennium BC. Between the late third and early second millennium BC.

Thus, these data confirm a cultural continuity at this site scattered and badly disturbed phase of architecture belonging to the late third millennium BC. Emerging from this section of the steep French AB-AC is the presence of a survey also with earlier types of red brown wash ware. The elemental island is brought to light in layers directly underneath Middle Bronze Age levels and Orange Bows were found out of context during the excavation and was brought to our attention by high density of Dark rimmed Orange bowls that are typical of a late third millennium BC. Horizon. Other samples of Dark
are where most sedentary settlement is found. The eastern uplands have very limited pockets of cultivatable soil and have been used primarily as pasture.

In the 2007 season, most of our efforts were in the western cultivated terraces. The largest sites (tepes) were defined by the edges of mounding and collected in sub-areas. These sites were only a small portion of the total archaeological landscape, however. Elsewhere, fieldwalkers made transects at 25 m. intervals across harvested agricultural fields. Artifacts were marked with color coded flags (red for lithics, blue for ceramics) and collected. The positions of the flags were then recorded via a GPS-enabled mobile computer. Sites were defined by interpolating the density of surface scatters in a GIS framework. The eastern uplands, which were subjected to a brief reconnaissance that was guided by high resolution Ikonos satellite imagery in 2007, were the primary focus of survey in the 2008 season. A range of sedentary sites, campsites, and various landscape features were identified (discussed below). In total, we recovered 92 places that were termed "sites," although they vary from multi-hectare mounded tepes to light scatters of Paleolithic tools. The general classes of site types are described below.

**Tepes.** The HMTS region has three mounded sites. Hırbemerdon Tepe (Site 1) and Kavuşak Tepe (Site 4) were already identified by Algaze during his survey of the Batman-Bismil region (Algaze 1989, Algaze et al. 1991). Other mounded sites exist to the south (Güzel Köy, Site 34) and southwest (Ahmetli Tepe, beyond the survey limits). Mounded sites in the Upper Tigris region are small compared to those found in the broad alluvial plains in adjacent areas of northern Mesopotamia, mostly under 5 hectares. All of the mounded sites in the HMTS region had MBA occupation.

**Unmounded Ceramic Scatters.** The cultivated fields in the HMTS region are characterized by an almost continuous scatter of small artifacts at a low density, a phenomenon known throughout the Near East and Mediterranean (Wilkinson 1982, Bintliff and Snodgrass 1988). Transect walking in the area immediately around Hırbemerdon Tepe revealed elevated concentrations of artifacts that represent sites (Fig. 6). Two of them (Sites 19 and 22) were
surface survey alone. They may mark the burials of pastoral nomads, or they might represent some other form of symbolic or ritual activity. Because they have little associated material culture, they are difficult to date without excavation.

_Campsites._ The Upper Tigris region as been the location of winter pasture grounds (*kişlak*) since at least the 15th century, when tribes of the Akkoyunlu confederacy controlled the area (Woods 1999). In more recent times, transhumant Kurdish tribes have migrated between the Taurus mountains in the summer and descended into the Tigris valley and foothills during the winter months (Cribb 1991:196-207, based on the work of Beşikçi, Hütteroth 1959). In the 2008 field season, several campsites in the eastern uplands were visited and planned (reported in detail in Ur and Hammer 2009). Site 18 is a 20th century camp consisting of stone built rectangular animal enclosures and cleared spaces where tents were erected (Fig. 9). Further down the wadi, an older and more disturbed campsite (Site 26) is probably far older, but had little surface artifacts in association. The archaeology of pastoral nomads has been understudied in the Near East, and the eastern uplands offer important new empirical evidence for them.

_Cisterns and Other Water Catchment Features._ Near the campsites in the eastern uplands were found several features for capturing and storing runoff rainfall. These features would have been critical for providing drinking water for people and animals in this otherwise dry zone. Southeast of the Site 18 campsite, a cistern (*sarnuç*) was cut into the side of a wadi (Site 24). It was fed by two small channels carved into a large area of exposed bedrock. Rainfall would have flowed across the bedrock, into the channels, and then into the tank of the cistern, which could have held 9 m³ of water. Another method of water capture was found at Site 28, where a circular stone structure was built in the base of a wadi. Water flowing down the wadi would have been redirected and held in the structure. This feature was probably intended for watering animals. These water catchment features demonstrate the modifications and adaptations of human groups to the otherwise inhospitable
During both ancient and more recent times, the relationship between pastoral and agricultural communities is a fundamental topic for archaeological studies, allowing us to further investigate the Fujian region. The Hibernation Tepe River Region Study will further reveal the strategic location at the frontier between cultivable lands and uplands suitable for pastoralism. The study of the occupation of the Hibernation Tepe during the Middle Bronze Age will also allow us to determine a more coherent chronology for the region. In addition to this element, a step towards understanding the landscapes of the surrounding region has been demonstrated by demonstrating the importance of the sites in the eastern uplands and showing that the landscapes of pastoral nomads can be

Conclusions

found by archaeological surveys in this region.
(Southeastern Turkey) as Documented by Archaeological Data. *Quaternary International* 129: 75-86.


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Fig. 2: The architectural complex of the Middle Bronze Age

Fig. 3: View of the ceremonial/public sector of the Middle Bronze Age architectural complex
complex architectural in the plaza of the volute plaque found reconstructed clay

Fig. 4: A partially
Fig. 6: Surface artifact concentrations in the area around Hirbemerdon Tepe

Fig. 7: Lower Paleolithic hand axes from the Tigris terrace NE of Hirbemerdon Tepe
FIG. 9: The pastoral nomadic campsite at Site 18.

FIG. 8: The cairn field at Site 16.