

PALMYRENA

**PALMYRA AND THE SURROUNDING TERRITORY
JOINT SYRIAN-NORWEGIAN PROJECT
SURFACE SURVEY NORTH OF PALMYRA
APRIL AND MAY 2009.**

**PRELIMINARY REPORT
PREHISTORIC PERIODS**

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2009

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SITES SURVEYED JEBEL ABYAD

APRIL-MAY 2009

ABSTRACT

The prehistoric team has been surveying along the southern edge of Jebel Abyad, Wadi al-Takara and Jebel Abyad, all within the concession area. The team has survey and registered the following;

- 1) cisterns
- 2) caves of various intensity and period
- 3) rockshelters of various intensity and period
- 4) open-air sites of various intensity and period
- 5) cairns

The tendency so far which is worth noting is the following;

- 1) There are a number of small rockshelters along the southern foot of Jebel Abyad, which has been used probably during Pre-Pottery Neolithic and Pottery Neolithic. All the shelters are facing towards the plain of al-Diwa. The same pattern is also seen in the northern part of Wadi al-Takara, where similar rockshelters and material has been recorded. The material consist of blade production as well as arrowheads.
- 2) The mountain of Jebel Abyad has been use for hunting wild game close to the cliff edge towards Wadi Abyad. Similar rockshelters and material has been found along the cliff, and is tentatively dated to the Pre-Pottery Neolithic and Pottery Neolithic base on the lithic material.
- 3) In Wadi al-Takara there are a substantial number of cairns, close to the wadi bottom, on the edges of the wadi plain and along the hills. In addition there are cairns along major routes through the mountains of Jebel Abyad.
- 4) Similarly is has been recorded in Wadi al-Masek, particularly the northern part – al-Matna, as well as the areas to the east and west of al-Matna along the mountain edge.
- 5) Further, it is worth noting and watching the developments in Wadi al-Takara, as they are threatening the cultural remains in the area.

INTRODUCTION

Surveyed sites have been classified according to their nature and appearance.

1) rockshelters: this means a small cliff with a relatively small dry area underneath with no limitations in size. There is of course no sharp division between rockshelter and cave (but see below). In some instances rockshelters has first been used in prehistory, and thereafter cleaned and the material has been thrown outside the shelter, either when reused in prehistory or in more recent periods. In this cases both there has been given both a site number to the area outside, usually the slope in front of the rockshelter, and the rockshelter although these may be seen as related, and a separate number for the rockshelter itself.

2) sites: in this context of the survey a site number has been given in the above mentioned instances, as well as when there are no physical markers. In other cases a site name has been given to a series of rock-cut tombs, or cairns which are associated with other features or structures that might be related or not. Many of these sites can be regarded as open-air sites or

workshops where lithic preparation has been undertaken. On a few occasions a site has also been given to a specific find, especially in cases where there is no further evidence, e.g. arrowheads or axes etc.

3) cairns: this has been used on a number of various burial monuments. Many of these are severely plundered, but the significant features are that they are found along major wadis, along ridges, hills and mountain tops with good views. They may consist of small low, almost invisible circles and assemblages of stones, to larger circular well-built foundations, larger foot chains, and high large monumental cairns.

On the lithic material: due to the nature of the survey as we have only been collecting and recording surface finds, much of the lithic material has been patinated by wind and soil erosion.

On the classification of the lithic and pottery material: it has been classified according to major categories. There has been no effort to divide the lithic fragments into further categories, as this would not serve the aims of the project. Further, the percentages of flakes and fragments are by no means representative, as only part of the material has been picked up. It should be noted that this is a preliminary classification, which may alter significantly at a later stage. All finds (stones, flint and pottery has been assembled in one bag for each site. This bag has been marked JSN-2009 (Joint Syrian-Norwegian), with a site number and date. In addition the bag has a number (eg. 1-6.), which refers to the categories recorded from each site. The material has been divided into two separate categories; lithic material and pottery. There are therefore two separate lists; one which includes all the material with emphasis on lithics, though with a reference to the amount of pottery, and another list which specifies the lithic material. There is a brief description of finds on each single cairn, site and shelter, though for a more detailed description one must refer to the catalogues.

The team has been surveyed between the 21.04.2009 and 15.05.2009, and has consisted of Kristina Josefson Hesse (Sweden), Hildegunn Maria Haanes Ruset (Norway), Paul Steiner (Norway), Abdul Basset Knnawi (Syria) and Nils Anfinset (Norway) as leader of the prehistoric team.

I. ROCKSHELTERS

Rockshelter 1 (WP 003)

Surveyed by: ABK, KJH, HMHR, NA

Date: 21.4.2009

GPS: N: 34.64512

E: 038.20572

Altitude: 686 m asl



Description:

The site is located along a minor wadi leading up to the hilltop of Jebel Maeizilah west of Jebel Abyad. The rockshelter faces N, which gives it good shade and protection. It is located several hundred meters up the wadi, where there is less steep part, close to the mountaintop. The shelter is located to the south of the wadi 7-8m from the wadi floor. The rockshelter consists of a small cliff, about 5m high and partly curved towards the north. To the west there are some large rock, probably natural, but also creates a natural boundary of the site. The habitation area consists of soil and rock, particularly in the western area, though there are no structures on the surface. To the east there is a low recent wall of stones, about 70 cm high and 180 cm long stretching from the wall and outwards. Possible small cave in the eastern part of the rockshelter, but this is now covered with soil and rock. Dimensions E-W: 14,5m; and N-S: 6,20m. There is an area of about 20-30 square meters being dry.

Pictures: 166, 167, 168, 169, 170, 172, 173, 174

Finds: 1 bladelet, 2 retouched flake, 6 flakes and 5 fragments all in flint, no pottery

Dating: unknown

Comment:

The rockshelter and the flint material probably represent one episode in prehistoric times. Though the lithic material does not give any accurate datable material except the bladelet which is too general.

Rockshelter 2 (WP 010)

Surveyed by: ABK, KJH, HMHR, NA

Date: 22.4.2009

GPS: N: 34.64257

E: 038.19901

Altitude: 596 m asl



Description:

The site is located at the outlet of Wadi Maeizilah on the eastern side of the wadi, which separates Jebel Abyad to the west and Jebel Maeizilah to the east. The rockshelter is located 15-20m uphill from the wadi bottom and faces towards southwest. Thyme is presently growing inside the shelter. There were concentrations of flint both inside the rockshelter and in the slope to the southwest and south towards the wadi. To the northwest and southeast there were less concentrations of flint. The shelter stretches over an area of 19m southeast-northwest, and at its deepest c. 3m, which gives an estimated dry area of 30-40 sq. meters.

There are no structures inside the shelter, and some large stones to the south and southwest have fallen from the cliff.

Pictures: 10, 11, 12, 13, 14, 15, 16, 17, 18

Finds: flint material consisting of core fragments, burins, scrapers, blades, flakes and fragments. Photo 217-224

Dating: PPN-PN

Comment:

The shelter is located in a on the outlet of Wadi Maeizilah, with a good view over the plain and a perfect location for both habitation and hunting activities. The flint material represents a large amount of blades and blade-like flakes and fragments which indicate blade production at the site.

Rockshelter 3 (WP 011)

Surveyed by: ABK, NA

Date: 22.04.2009

GPS: N: 34. 64270

E: 038.17737

Altitude: 575m asl



Description:

A fairly small rockshelter located next to a minor wadi along the southern edge of Jebel Abyad. The small wadi drains into Wadi Al-Diwa. The shelter is located on a small northwestern ridge, facing southeast. There was scattered flint down the slope towards the small wadi, while there was nothing to be spotted in the flat areas of the actual shelter. The area covered by the shelter was 11m long and 2-3m wide, covering an approximate area of 15-20 sq meters. In connection with the shelter there was a small cave, with a recent built wall of stones in front. The entrance measured 2x2 meters, though the cave was fairly low inside (generally less than 1m). There was also an additional chamber, which was only partially inspected, though was only high enough for animals. On the floor there were no finds, only with large amounts of sheep and goat dung.

Pictures: 35, 36, 37, 38

Finds: core fragments, notch, retouched flake, blades, flake and fragments of flint in addition to two pieces of pottery which fits together, probably part of a tobacco pipe. Photo: 225-228, 698-701

Dating: The lithic material may be dated generally to the PPN or PN, though the parts of the tobacco pipe clearly points in direction of more recent use, probably the Ottoman-period.

Comment: As the site has a good view over the plain it has similarities in location to Rockshelter 2, 3 and others. One may here associate the shelters with hunting along the plain.

Rockshelter 4 (WP 014)

Surveyed by: ABK, NA

Date: 22.04.2009

GPS: N: 34.38593

E: 038.10477

Altitude: 564m asl



Description:

Very similar location to rockshelter 3, located 250m west of this. The opening is towards east-southeast, but with no cave as in rockshelter 3. The shelter is about 10m long and 2-3 wide, with a dry area for habitation and shelter of about 6-10 sq meters. There was also a wall made of stone of more recent date, in addition to lagers stones inside the shelter. There was no flint in the flat area, only in the slope towards the wadi in a east and southeast wards direction. The smaller wadi leads into Wadi Al-Diwa.

Pictures: 39, 40, 41, 42

Finds: arrowheads, blades, core fragments, flakes and fragments of flint, no pottery. Photo: 229-235

Dating: The lithic material may be preliminary dated generally to the PPN or PN

Comment: This shelter along with the earlier rockshelters, seems to form a pattern along the foot of the mountains of Jebel Abyad facing the plain and the wadi of Al-Diwa.

Rockshelter 5 (WP 15)

Surveyed by: ABK NA

Date:

GPS: N: 34.64228

E: 038.18211

Altitude: 570m asl



Description:

Very similar location to rockshelter 3 and 4 along a minor wadi from Jebel Abyad leading into the plain of Wadi Al-Diwa. Rockshelter 5 is located 440m west of shelter 3, and about 260m west of Site 10. The shelter is located 8-10 meters from a minor wadi leading into the plains, and just south of the shelter the wadi joins another small wadi. The opening of the shelter faces southeast. The dry area is about 12-15m long and about 3m at the widest, would leave and estimated area of 20-25sq meters. There are more recent walls along the maximum of the cliff, only leaving a small part as entrance. In the middle of this area was a small fireplace of recent date.

Pictures: 16, 17, 18, 19, 20

Finds: core fragments, blade, flake and fragments of flint in addition to a few shards of pottery.

Dating: The lithic material may be preliminary dated generally to the PPN or PN. The shards are most probably connected to the roman-byzantine period and the early Islamic period.

Comment: This shelter along with the earlier rockshelters, which seems to form a pattern along the foot of the mountains of Jebel Abyad facing the plain and the wadi of Al-Diwa.

Rockshelter 6 (WP 033)

Surveyed by: NA

Date: 26.04.2009

GPS: N: 34.64628

E: 038.16471

Altitude: 599m asl



Description:

Nicely made with rocks, modern

Pictures: 102, 103, 104, 105, 106

Finds: none

Dating: modern/recent

Rockshelter 7 (WP 034)

Surveyed by: ABK, NA

Date: 26.04.2007

GPS: N: 34.479

E: 038.16816

Altitude: 587m asl



Description:

In a small wadi draining southwards into Wadi Al-Diwa from Jebel Abyad a small rockshelter. About 100m east several small wadies are joining. To the northwest c. 50m from the entrance of the shelter, there is a rock which looks like a mushroom. The shelter faces northwest and has a dry area of 25-30sq. meters. There is a small pile of recent rocks in the southeastern part of the shelter. At its deepest it is about 5m. Scattered flint and pottery.

Pictures: 107, 108, 109, 110, 111, 112, 113

Finds: one flint scraper and pottery

Dating: probably mainly used during the later periods due to the pottery. The shards are most probably connected to the roman-byzantine period and the early Islamic period. However, one shard may be connected to the Bronze or Iron Age.

Rockshelter 9 (WP 037)

Surveyed by: KJH, EHS, NA

Date: 27.04.2009

GPS: N: 34.69836

E: 038.18273

Altitude: 1019m asl



Description:

Found in the same valley and wadi as sites 15-19, almost at the top of Jebel Abyad, a nicely cut rockshelter, partly with rectangular walls. In the southern part there is a bench-like feature cut in the rock, to the north there are rectangular cuts in the rock. Part of a recent wall of rocks towards the wadi, as well as a nicely cut entrance.

Pictures: 135, 136, 137, 138, 139, 140, 141

Finds: basalt and stones of unknown material (yellowish, greenish and brownish). Photo: 236-237, 251-253.

Dating: unknown

Rockshelter 10 (see site 18)

Rockshelter 11 (WP 098)

Surveyed by: ABK, KJH, HMHR, NA

Date: 03.05.2009

GPS: N: 34.70633

E: 038.07371

Altitude: 791m asl



Description:

The shelter is found on along one of the minor wadies leading southwards from Jebel Abyad into the very northern part of Wadi al-Thakara. The shelter is located c. 15 meters above the wadi bottom on the western side of the outlet A cave-like rockshelter reused by Bedouins who built a windbreak wall along the eastern side of the opening. There were no finds inside, but outside in front of the rockshelter. The shelter is 2m deep, 2,5m high and 2m wide.

Pictures: 498-503

Finds: the flint material consists of blades, flakes and fragments, in addition to a basalt fragment. The pottery consists of brittle ware, local coarse ware and coarse ware, the latter being handmade. Photo:702-706.

Dating: the blade industry should indicate PPN or PN. The pottery is connected to later use of the shelter may be dated the roman-byzantine period in particular, while one shard may also indicate early Islamic period. The coarse ware shard may be older, possibly Bronze or Iron Age. Further analysis is needed.

Rockshelter 12 (WP 099)

Surveyed by: ABK, KJH, HMHR, NA

Date: 03.05.2009

GPS: N: 34.70676

E: 038.07369

Altitude: 795m asl



Description:

The shelter is found on along one of the minor wadies leading southwards from Jebel Abyad into the very northern part of Wadi al-Thakara. Rockshelter 12, is found ca. 40m further upstream from Rockshelter 11, on the same side of the wadi. The rockshelter is located c. 20m from the wadi bottom. Large stones have probably fallen from the cliff, and now covers part of the area outside the shelter. There were no finds inside, but outside in front of the rockshelter in between the large rocks. The rockshelter is currently 11m wide and 3m deep, but is expected to have been much larger in prehistory.

Pictures: 504-515

Finds: the flint material consists of arrowhead, scraper, core fragments, core trimming flake, blades, flakes and fragments. No pottery. Photo: 477-488

Dating: The lithic material may be preliminary dated generally to the PPN or PN

Comment: This shelter along with the earlier rockshelters, seems to form a pattern along the foot of the mountains of Jebel Abyad.

Rockshelter 13 (WP 100)

Surveyed by: ABK, KJH, HMHR, NA

Date: 03.05.2009

GPS: N: 34.71273

E: 038.87094

Altitude: 837m asl



Description:

The shelter is found on along one of the minor wadies leading southwards from Jebel Abyad into the very northern part of Wadi al-Thakara. It is located on the western side of the wadi on a small ridge. The shelter is fairly deep, but low and most of it is probably not suitable for human habitation. Currently the opening is about 3m wide

Pictures: 559,560

Finds: none

Dating: the shelter has been used in more recent times, though difficult to determine if it has been used earlier

Rockshelter 14 (WP 101)

Surveyed by: ABK, KJH, HMHR, NA

Date: 03.05.2009

GPS: N: 34.70608

E: 038.06836

Altitude: 778m asl



Description:

The shelter is found on along one of the minor wadies leading southwards from Jebel Abyad into the very northern part of Wadi al-Thakara. It is located on the eastern side of the wadi about 20m from the wadi bottom. Currently the rockshelter is 13m wide and 2-4m deep.

Pictures: 519-527

Finds: the lithic material consists of core fragments, blade, burins, flakes and fragments of flint, the pottery material consists of local coarse ware, brittle ware, glazed ware and reddish coarse ware with black grits. Photo: 707-718

Dating: the blade industry should indicate PPN or PN. The pottery may be connected to roman-byzantine period as well as the Islamic period. The reddish coarse ware present is handmade but is of unknown date.

Rockshelter 15 (WP 106)

Surveyed by: ABK, KJH, HMHR, NA

Date: 04.05.2009

GPS: N: 34.70722

E: 038.05836

Altitude: 812m asl



Description:

The shelter is found on along one of the minor wadies leading southwards from Jebel Abyad into the very northern part of Wadi al-Thakara. It is located on the eastern side of the wadi outlet c. 35m from the wadi bottom. There are two rockshelters next to each other, which has been reused recently. There is a large naturally leveled plateau in front of the rockshelters. The rockshelter to the southeast is deep and cave-like and about 1,5m higher than the northern one. The one to the north 2,5m deep and 8m wide, while the one to the south is 3m wide and 4m deep.

Pictures: 554-558

Finds: the flint material consists of arrowheads, core fragments, blade, flakes and fragments, while the pottery consists brittle ware, local coarse ware, and coarse ware. Photo: 489-501, 720-722, 723-726

Dating: the blade industry should indicate PPN or PN, the pottery presents probably later use of the shelter may be dated to the roman-byzantine period. Some shards may be older, particularly the coarse ware shards which may represent the Bronze or Iron Age. Further analysis of these is needed.

Rockshelter 16 (WP 168)

Surveyed by: ABK, KJH, HMHR, PS

Date: 11.05.2009

GPS: N: 34.70369

E: 038.04838

Altitude: 783m asl



Description:

Found on the eastern ridge of a slope in the upper part of Wadi al-Takara, where it also drains down to Jazal village. Found about 100m south of site 29. Very deep rockshelter filled with sand. Possible excavation would reveal deeper layers of occupation.

Pictures: 1-5

Finds: none

Dating: unknown

Rockshelter 17 (WP 198)

Surveyed by: ABK, KJH, HMHR, PS

Date: 12.05.2009

GPS: N: 34.70579

E: 038.04065

Altitude: 791m asl



Description:

The rockshelter is found on a narrow wadi slope, with a pool in the wadi down below. The rockshelters are here interconnected on the northwest side of the wadi and several different shelters on the opposite found. A natural good place for habitation, though no finds.

Pictures: 1, 2, 3, 4, 5

Finds: none

Dating: unknown

II. SITES

Site 1 (WP 004)

Surveyed by: NA

Date: 21.4.2009

GPS: N: 34.64647

E: 038.20633

Altitude: 728m asl

Description:

A small site just below the top of Jebel Maeizilah, located on a small ridge facing south. It slopes gently towards south and the wadi where rockshelter 1 was found. The distance between the two are about 150m, and site 1 is located NNE of rockshelter 1. The site consists of minor natural caves, which have not been used, though the areas give good view for hunting. A few scattered shards of pottery and flint were found

Pictures: 180

Finds: the flint material consists of core fragment, flake and fragments, one shard of pottery brittle ware.

Dating: probably just an episode, the pottery shard is later than the flint, the pottery is most probably from the Islamic period.

Site 2 (WP 005)

Surveyed by: ABK, KJH, HMHR, NA

Date: 21.4.2009

GPS: N: 34.64091

E: 038.20054

Altitude: 599m asl



Description:

The site is located just east of a small wadi outlet leading down from Jebel Maeizilah on a small ridge where the mountain is a natural boundary to the north and east, while to the west the wadi is a natural boundary. The site is located 200m south of Cistern 1. The site slopes gently towards the plain and Wadi Al-Diwa. The highest concentration of flint was found on the highest part of the wadi ridge. There are some stones that may be related to modern Bedouin activity, no other structures were visible. The site stretches c. 200m in a north-south direction, and east-west c. 30-40 m. This is probably an open-air site or workshop.

Pictures: 185, 186

Finds: the flint material consists of core fragment, scrapers, blades, flakes and fragments, and one shard of brittle ware pottery. Photo: 257-265

Dating: the lithic material would indicate PPN or PN, while the shard of pottery is later and most probably dated to the Islamic period.

Site 3 (WP 006)

Surveyed by: ABK, KJH, HMHR, NA

Date: 21.4.2009

GPS: N: 34.64135

E: 038.19914

Altitude: 594m asl



Description:

The site is located on a small ridge between Wadi Maeizilah and the small wadi leading up towards Jebel Maeizilah. Here there is a small plateau on the foothill of Jebel Maeizilah, where the hill meets the plain gently sloping towards Wadi Al-Diwa. The site is located between two wadies on a ridge. There are no structures that can be connected to the finds, but there are three stone circles that may be connected to more recent Bedouin activity. The site gently slopes towards the southwest direction. Flint is scattered over an area of 100 m north-south, and 250m east-west.

Pictures: 187, 188, 190, 191

Finds: the flint material consists of core fragment, blades, retouched flake, flakes and fragments, in addition to pottery of brittle ware, local coarse ware, and parts of a tobacco pipe.
Photo: 254-256, 727-729

Dating: the lithic material would indicate PPN or PN, while the shards of pottery is later, and most probably dated to the roman-byzantine period and the early Islamic period.

Site 4 (WP 007)

Surveyed by: ABK, KJH, HMHR, NA

Date: 21.4.2009

GPS: N: 34.64117

E: 038.19796

Altitude: 586m asl



Description:

The site is located 100m west of Site 3 between two minor wadis sloping southwards towards the plain of Wadi Al-Diwa, located on a ridge between the two wadies. The site is limited both to the east and west by the minor wadies, but the extent is difficult to measure. Most of the flint is located towards the foot of the mountain. The site slopes gently towards the south and Wadi Al-Diwa, with Jebel Abyad to the north. There are no structures that can be connected to the finds, but there are three stone circles that may be connected to more recent Bedouin activity. Particularly the circle closest to the foot of the mountain had a large concentration of flint inside and outside the circle.

Pictures: 193, 194

Finds: one modern iron nail, flint material consisting of core fragments, blade, flakes and fragments, and one shard of pottery of brittle ware. Photo: 266-271

Dating: the lithic material would indicate PPN or PN, while the shard of pottery is very small and difficult to determine.

Site 5 (WP 008)

Surveyed by: ABK, KJH, HMHR, NA

Date: 21.04.2009

GPS: N: 34.64117

E: 038.20167

Altitude: 589m asl



Description:

The site is located 100m east of Site 2 on the eastern side the wadi that leads up to Jebel Maeizilah, found on a low ridge stretching eastwards. Two shallow caves or shelters, with no indications of use, are situated on the upper part of the ridge on the foot of the mountain. The main concentration of flint was found in front of the largest cave.

Pictures: 197, 198, 199, 200, 201, 202, 730-732

Finds: the lithic material consists of core, core fragments, blades, flakes and fragments of flint. In addition the pottery consists of part of a tobacco pipe, brittle ware and local coarse ware.

Dating: the lithic material would indicate PPN or PN, while the shards of pottery is most probably dated to the roman-byzantine period and the tobacco pipe is dated to the Ottoman-period.

Site 6 (WP 009)

Surveyed by: ABK, KJH, HMHR, NA

Date: 22.04.2009

GPS: N: 34.64995

E: 038.19841

Altitude: 637m asl



Description:

A small plateau located in between Jebel Abyad and Jebel Maeizilah, just east of the whitely eroded area. The main area seems to be on the upper and northern part of the plateau, which leads up to a small hilltop. There are traces of more recent Bedouin activity are represented by some stone circles. There was scattered flint over most of the plateau. The extent of the site is north-south c. 350m, and east-west 100-150m.

Pictures: 1, 2, 733-734

Finds: only two flakes of flint were found, while the pottery consists of parts of a tobacco pipe, brittle ware and possibly imported coarse ware.

Dating: The lithic material does not give any indications of dating, the pottery needs further analysis but is probably of more recent date – particularly the fragment of a tobacco pipe, similar to the ones found at Site 5 and Rockshelter 3 and others. The shards seems to indicate the roman-byzantine period and early Islamic period, while the tobacco pipe is dated to the Ottoman-period.

Site 7 (no wp)

Surveyed by: ABK, KJH, HMHR, NA

Date: 22.04.2009

GPS: N: 34.385984

E: 38.115584

Altitude: 630m asl



Description:

The site is found on a flat area, some 250m east of Site 6 with scattered flint. No structures or other indications. The area is found just north of Jebel Maeizilah.

Pictures: 8

Finds: the lithic material consists of a crested retouched flake, blade, flakes and fragmenst of flint, one piece of modern glazed pottery, two very small shards of pottery of local coarse ware heavily burnt.

Dating: the use of the lithic material may be connected to later prehistoric periods or historical periods, though it is too small for any further dating for the time being. The shards seem to be of more recent date, possibly roman-byzantine period.

Site 8 (WP 018)

Surveyed by: ABK, KJH, HMHR, NA

Date:

GPS: N: 34.64508

E: 038.18369

Altitude: 609m asl



Description:

A small plateau along one of the minor wadies leading southwards into the plain of Wadi Al-Diwa, located on the eastern side of the wadi. A circular stone construction 1,5m in diameter were found towards the edge of the wadi, though it is unknown if this can be connected to the finds. The structure is possibly a hideout for hunting

Pictures: 13, 14, 15

Finds: the lithic material consisted of scraper, retouched flake, blade, flakes and fragments of flint, two pieces of modern glazed pottery (fiancé), one iron nail and two other iron implements, the pottery consisted of shards of brittle ware and glazed ware. In addition half of a stone bead of turquoise was found. Photo: 272-287, 735-736.

Dating: the use of the lithic material may be connected to later prehistoric periods or historical periods, though it is too small for any further dating for the time being. The pottery shards may be connected the to the roman-byzantine period as well as the early Islamic period by the glazed ware.

Site 9 (WP 016)

Surveyed by: ABK, KJH, HMHR, NA

Date: 23.04.2009

GPS: N: 34.64788

E: 038.18332

Altitude: 689m asl



Description:

The site is located between two small hilltops, in one of the larger wadies draining southwards from Jebel Abyad into the plain and Wadi al-Takara. It is located fairly inaccessible, and only possible to access from the south and east. The area is fairly flat, and a rectangular or semi-circle is located to the south of this towards one of the small mountains. It 17m in a north-south direction and 14m in a east-west direction. Several places stones are missing, though there seems to be a kind of opening towards the east. In the northeastern part there is also a recent fireplace. The site is well suited for protection and hiding, possibly also for keeping animals. Possible corral, though heavily eroded. Two pieces of shards and a few flints were found in and around the structure.

Pictures: 1, 2, 3, 4, 5, 6, 30, 31, 32

Finds: flint blade, iron fragments, glass fragment and two shards of local coarse ware pottery

Dating: the lithic material does not give any indication of date, the rest of the material point in direction of later periods, and the pottery may be dated to the roman-byzantine period.

Site 10 (WP 019)

Surveyed by: ABK, KJH, HMHR, NA

Date: 23.04.2009

GPS: N: 34.64226

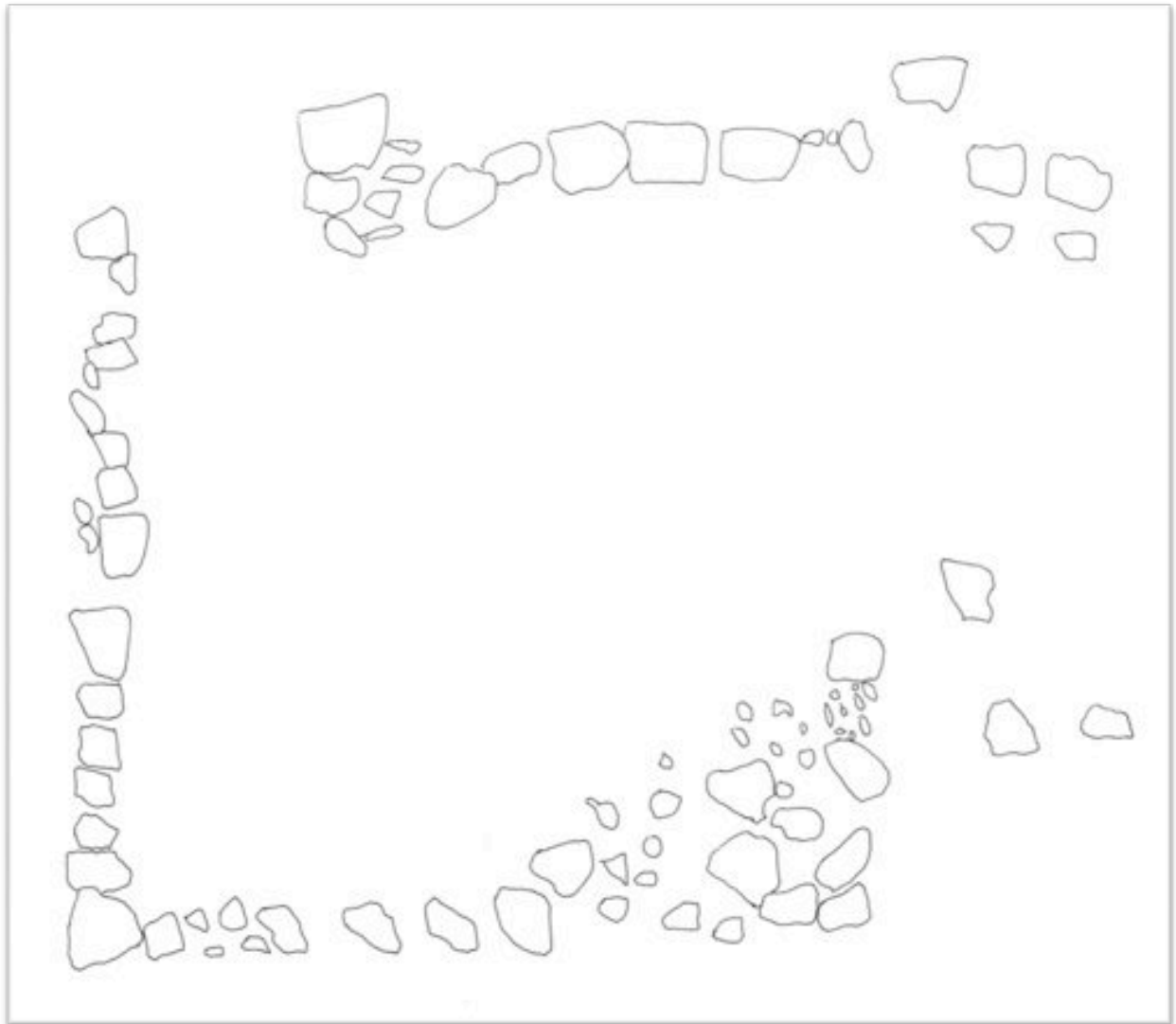
E: 038.17925

Altitude: 556m asl



Description:

The site is found where a small plateau sloping south towards the plain of Wadi Al-Diwa, between two rather small wadis running down from Jebel Abyad. The site has a squared stone construction (walls), but is heavily eroded particularly to the south where rocks seem to have been eroded away. In the north the walls seems intact, but there is accumulation of soil and rock north of the stones in the structures, which indicate erosion southwards. Possible corral.



Pictures: 21, 22, 23, 24

Finds: the lithic material consists of retouched flake, blade, flake and fragments of flint, part of a bead, one very small shard fine red ware pottery. The bead is either made of turquoise or lapis lazuli. Photo: 288-292

Dating: unknown, the lithic material does not give any indications of date, while the shard may be connected to the roman-byzantine period.

Site 11 (WP 021)

Surveyed by: ABK, KJH, HMHR, NA

Date: 25.04.2009

GPS: N: 34. 64192

E: 038.14542

Altitude: 577m asl

Description:

This site has also been recorded as Site 325 (Chistian), as there were building structures here. The site is on a small hilltop where Wadi al-Takara enters into Wadi Al-Diwa. The arrowhead was found on a the southern slope of the hilltop. No other finds were found.

Pictures: 30, 31, 32

Finds: tanged flint arrowhead – tip broken. Photo: 293-299

Dating: PPNB/C or early Pottery Neolithic (sixth – seventh millennium BC)

Site 12 (WP 22)

Surveyed by: NA

Date: 25.04.2009

GPS: N: 34.64871

E: 038.13109

Altitude: 601m asl

Description:

On a hill slope facing westwards where Wadi al-Takara enters Wadi Al-Diwa, a discoid were found. Single find, no other evidence

Pictures: 33, 34, 35

Finds: discoid. Photo: 300-304

Dating: Late Paleolithic

Site 13 (WP 029)

Surveyed by: ABK, KJH, HMHR, NA

Date: 26.04.2009

GPS: N: 34.64387

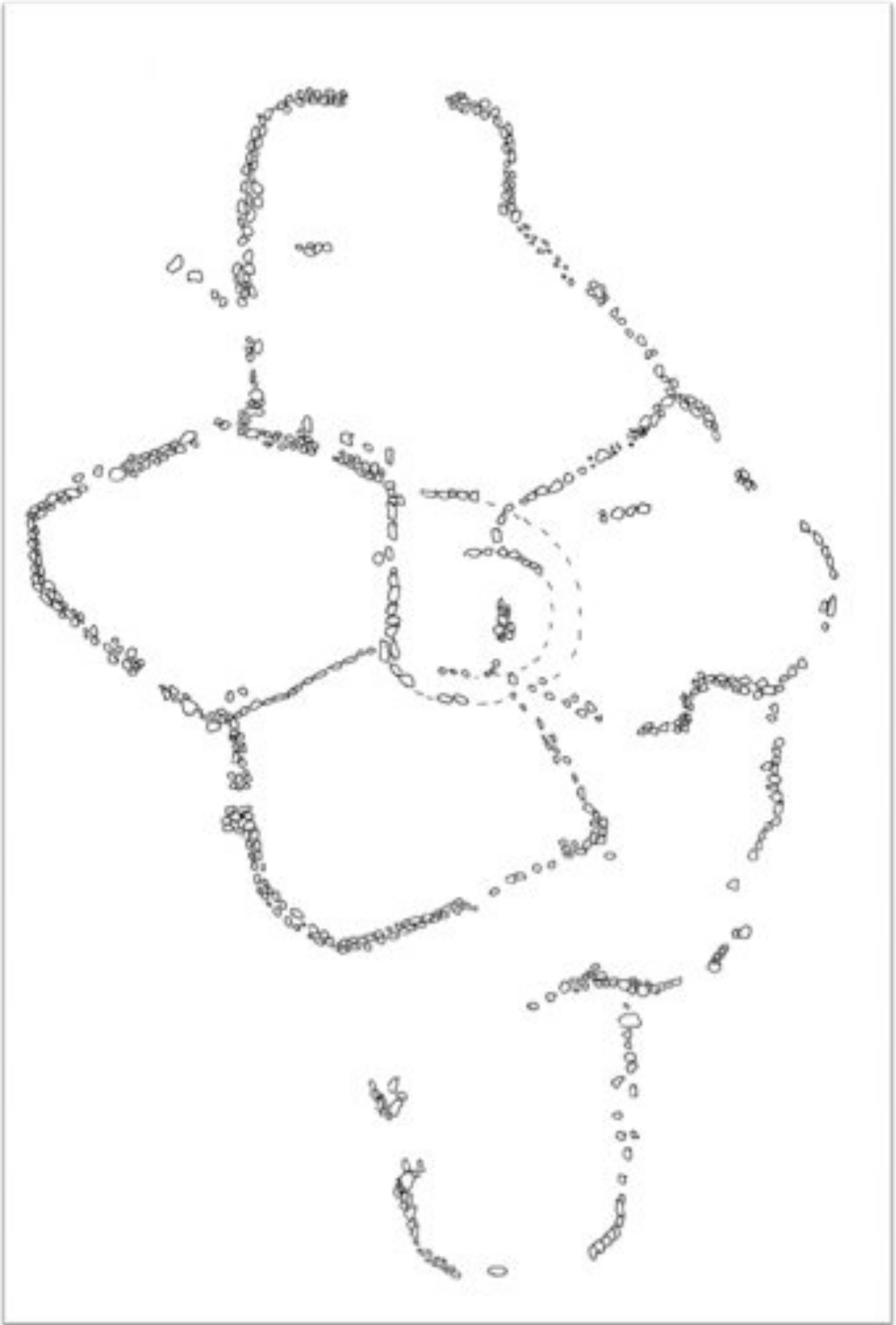
E: 038.15059

Altitude: 572m asl



Description:

The site is found on a tributary of Wadi al-Takara almost on the outlet towards Wadi Al-Diwa, where the plain meets some small rolling hills. Here in the eastern part a smaller wadi runs down from Jebel Abyad the site is found next to the wadi c. 300m northeast of Cairn 1. There seems to be a partly circular platform in the middle, with corral-like structures connected to it. It measured 38m east-west, and 57m north-south. The centre is higher than the rest of the site, and seems to have been filled with soil and small rocks/gravel.



Pictures: 79, 80, 81, 82, 83, 84, 85, 86, 87, 88

Finds: the lithic material consists of blades, notches, flakes and fragments in flint. In addition there is one glass fragment, probably recent. Further there are two fragments of iron, possibly one arrowhead and broche. The pottery consists of coarse ware, local coarse ware, brittle ware and glazed ware. Photo: 737-738

Dating: probably several periods represented. The lithic material does not give any secure dating. The coarse ware pottery is of uncertain date, while the other wares may be connected to the roman-byzantine period as well as the early Islamic period.

Site 14, circular corral (WP 035)

Surveyed by: EHS, KJH, NA

Date: 27.04.2009

GPS: N: 34.70021

E: 038.17179

Altitude: 991m asl



Description:

Small circular corral in the major branch of Wadi Sheba, located on the southern slope, about 25m from the wadi. Across the wadi to the southsouthwest there are also a rectangular or circular structures, and possibly also more recent Bedouin graves. The corral has a diameter of 10m both north-south and east-west.

Pictures: 118, 119, 120

Finds: one retouched flake, no pottery

Dating: unknown

Site 15, rockshelter 8 (WP 036)

Surveyed by: EHS, KJH, NA

Date: 27.04.2009

GPS: N: 34.69768

E: 038.18136

Altitude: 1012m asl



Description:

Almost on the top of Jebel Abyad when following the main branch of Wadi Sheba towards the cliff a number of small rockshelter are located around a small wadi draining southwest into Wadi al-Takara. The rockshelter faces south, with a gentle slope towards the south where all the flint was found. The area is covered by small rocks and has a fan-shape, with the largest concentration in an area of c. 200m south of the shelter and c. 100 wide.

Pictures: 127, 128, 129, 130, 131, 132, 133, 134

Finds: the lithic material 9 arrowheads of which all are bifacial of various types. In addition there are 7 preforms and fragments, core fragments, scraper, retouched flake, blades, flakes and fragments all of flint. In addition three stone fragments, of which two is yellowish and one greenish. A few shards of pottery was also found these were of brittle ware and fine red ware. Photo: 305-384

Dating: The lithic material indicated Pre-Pottery Neolithic/Pottery Neolithic, though further study is needed. The pottery shards represents a later episode most probably connected to the roman-byzantine period as well as the early Islamic period.

Site 16, Rockshelter 9 (WP 038)

Surveyed by: EHS, KJH, NA

Date: 27.04.2009

GPS: N: 34.69794

E: 038.18231

Altitude: 1007m asl



Description:

This shelter was found in the same wadi and valley as site 15-19, and rockshelters 8-10. On a slope facing southwestwards and a rockshelter facing the same direction. All the lithic material was found in the slope outside the shelter, in a fan-like shape about 50m wide and 200-250 long down towards the wadi

Pictures: 142, 143, 150, 156

Finds: The lithic material consists of 14 arrowheads, core fragment, blades, scraper, flakes and fragments all of flint. In addition four stone fragments of basalt, yellowish stone, greenish stone and obsidian was found. There were also pottery of cream fine ware, local coarse ware, brittle ware and coarse dark red ware. Photo: 385-400, 421-468

Dating: The lithic material indicated Pre-Pottery Neolithic/Pottery Neolithic, though further study is needed. The pottery shards represents and later episodes, including the roman-byzantine period and the early Islamic period. The coarse dark red ware is of uncertain date, and may represent the Bronze or Iron Age.

Site 17 (WP 039)

Surveyed by: KJH, EHS, NA

Date: 27.04.2009

GPS: N: 34.69779

E: 038.18370

Altitude: 1038m asl



Description:

The site was located where scattered flint was found on a slope facing southwest, few meters from the top and the cliff facing Wadi Abyad. No structures visible, approximate area of 50x50 meters.

Pictures: 151, 152

Finds: A few flint flakes and fragments, in addition to one shard of pottery of red glazed ware.
Photo: 739.

Dating: unknown, the material is insufficient for dating. The red glazed ware point in direction of the early Islamic period.

Site 18, Rockshelter 10 (WP 040)

Surveyed by: EHS, KJH, NA

Date: 27.04.2009

GPS: N: 34.69738

E: 038.18295

Altitude: 1025m asl



Description:

In front of a small rockshelter, almost facing the other rockshelters across the small wadi and valley, scattered flint outside and in the slope. No structures visible, approximate area of 50x50 meters.

Pictures: 153, 154, 155

Finds: The lithic material consists of core fragment, flakes and fragments all of flint, in addition to one stone fragment of yellowish stone. Photo: 469-472

Dating: unknown, the material is insufficient for dating

Site 19 (WP 041)

Surveyed by: KJH, EHS, NA

Date: 27.04.2009

GPS: N: 34.69695

E: 038.18160

Altitude: 1017m asl



Description:

Scattered flint concentration south of the sites 15-18 and the rockshelters. Located on a tongue in between two small wadies, about 50 south of site 18.

Pictures: 157, 158

Finds: the lithic material consists of blades, flakes fragments all of flint, in addition to a basalt fragment and one shard brittle ware pottery.

Dating: the flint probably represents the Pre-Pottery Neolithic/Pottery Neolithic due to the blades. The shard may probably be dated to the early Islamic period.

Site 20 (WP 043)

Surveyed by: KJH, EHS, NA

Date: 27.04.2009
GPS: N: 34.70480
E: 038.18160

Altitude: 977m asl



Description:

Rectangular stone structure few meters from the main branch of Wadi Sheba on the southern slope of the wadi, about 30m to the wadi. Possible grave as there is a small standing stone in the centre. North-south 4,80m and east-west 3,20m in diameter.

Pictures: 171, 172, 173, 174

Finds: two flakes of flint, one rim of brittle ware pottery

Dating: the lithic material is insufficient for dating, the shard may be dated to the early Islamic period.

Site 21 (WP 170)

Surveyed by: KJH
Date: 27.04.2009
GPS: N: 34.69752
E: 038.177757

Altitude: 1012m asl

Description:

Stray find, in the proximity to Sites 15-19, in a small wadi depression

Pictures: none

Finds: one flint, proximal of a flint blade

Dating: unknown, the material is insufficient for dating

Site 22 (WP 169)

Surveyed by: KJH

Date: 27.04.2009

GPS: N: 34.69830

E: 038.17836

Altitude: 1012m asl

Description:

Stray find, in the proximity to Sites 15-19, in a small wadi depression

Pictures: none

Finds: one flint sickle-like blade. Photo: 473-476, one shard of local coarse ware pottery

Dating: the lithic material is insufficient for dating, the shard may be connected to the early Islamic period.

Site 23 (WP 053)

Surveyed by: KJH, HMHR, NA

Date: 29.04.2009

GPS: N: 34.69978

E: 038.08741

Altitude: 778m asl



Description:

Located c.240m north-northeast of cairn 13 on the southern slope of a small hill and about 200m west of Wadi Masik in a wadi and valley environment. It is located c. 100m NW of a modern Bedouin camp and a few hundred meters southeast of a semi-nomadic camp. The site consists of two interconnected corrals, where as corral 1 is found in the north and corral 2 in the south. Corral 1 measured 12m north-south, and 13,5m east-west. Corral 2 measured 11,5m north-south, and 10,5m east-west.

Pictures: 214, 215, 216

Finds: flakes of flint, the pottery consists of brittle ware and local coarse ware

Dating: the lithic material is insufficient for dating, the pottery can probably be connected to the roman-byzantine period and more recent periods

Site 24, corral (WP 067)

Surveyed by: KJH, HMHR, NA

Date: 29.04.2009

GPS: N: 34.67582

E: 038.10152

Altitude: 812m asl



Description:

Located in Jebel Hammoz Jazal almost at its edge towards Wadi al-Takara, in a small narrow but gently sloping wadi towards south. Here a corral was located on a mountain ridge southwest of Jebel Abyad and about 400m southeast of Cairn 27. The corral was almost heart-shaped, and seems to be in two sections. It measured 11.5m north-south, and 8,5m east-west.

Pictures: 270, 271, 272, 273, 274, 275

Finds: none

Dating: unknown

Site 25, see Cairn 30-31 (WP 072, 071)

Surveyed by: ABK, KJH, HMHR, NA

Date: 30.4.2009

Due to the nature of the site this has been defined both as a site and cairn, though the description and the circumstances are found under Cairn 30-31.

Site 26 (WP 91)

Surveyed by: KJH, HMHR, NA

Date: 02.05.2009

GPS: N: 34.71740

E: 038.07904

Altitude: 860m asl



Description:

In the wadi just west of Wadi Masik along the mountains of Jebel Abyad 6 rock-cut tombs were found about 1km into the wadi. The tombs were found on a steep cliff facing southwest towards the wadi. Just to the west of the tombs there is a small wadi with a waterfall with a tree growing on the fall. South of the tombs there is a small wadi terrace, where the wadies meet, here there is a badly preserved squared building (WP 92) and some recent burials. To the area is heavily plundered. To the east of this area, and southeast of the tombs a Cistern (4) (WP 93) with a small area for water catchment were found. Tomb 1 (farthest to the west) is the largest about 6x6 meters in diameter with a narrow entrance. Inside there is also a small niche to the east. Today the floor is covered by cement with a fireplace in the middle of the tomb. Tomb 2 is just a small niche and seems to be unfinished. Tomb 3 is about 4x4m inside with a narrow entrance. Tomb 4 is about the same size 4x4m with several small niches inside which are badly preserved. Tomb 5 is 2x3m, with several small niches badly preserved inside. Tomb 6 is 3x3m with small badly preserved niches inside. The tombs have been extensively reused in recent times.

Pictures: 401-433

Finds: the lithic material consists of blade, flakes all of flint found outside on the slope towards the wadi, no pottery

Dating: The tombs should be dated to roman-byzantine period

Site 27 (WP 144), corrals, animal pens

Surveyed by: NA

Date: 06.05.2009

GPS: N: 34.73298

E: 038.11719

Altitude: 1024m asl



Description:

Three rectangular pen-like enclosures along a southeastern cliff of the site, just below and north of Cairn 87.

Pictures: 38, 39, 40, 41, 42, 43

Finds: none

Dating: unknown

Site 28 (WP 12), (see also 539, Christian, Jebel Chaar)

Surveyed by: JCM

Date: 07.05.2009

GPS: N: 34.82428

E: 037.96347

Altitude: m asl

Description:

A single find of a late Palaeolithic handaxe (see also 539, Christian, Jebel Chaar) for further description.

Pictures: none

Finds: Palaeolithic handaxe. Photo: 502-506

Dating: Late Palaeolithic

Site 29 (WP 167), grinding stones

Surveyed by: ABK, PS, KJH, HMHR

Date: 11.05.2009

GPS: N: 34.70638

E: 038.04949

Altitude: 802m asl

Description:

Found on the northeast slope of a small rockshelter like hill, 1km north of the black mountain in the upper part of Wadi al-Takara. This is about 300m east of a large cairn on a hill southeast of Jazal village. A complete set of two grinding stones was found, an upper and lower part and three small pieces of pottery.

Pictures: none

Finds: the lithic material consisted of retouched flake, scraper (photo: 507-508), three fragments of pottery fragments, and a complete grinding stone (photo: 406-408)

Dating: unknown

Site 30 (WP 149 Christian),

Surveyed by: JCM, ES, KS, EHS

Date: 21.04.2009

GPS: N: 34.19045

E: 038.69184

Altitude: ?m asl

Description:

The site may be described as a small concentration of lithic artefacts close to a wadi and cistern.

Pictures: none

Finds: core fragment, retouched flakes, blades, flakes and fragments of flint

Dating: unknown

Site 31, corrals A & B (WP 178, 179)

Surveyed by: ABK, KJH, HMHR, PS

Date: 12.05.2009

A: GPS: (WP178) N: 34.69876
E: 038.03826
Altitude: 733m asl

B: GPS: (WP179) N: 34.69860
E: 038.03876
Altitude: 731m asl



Description:

Two corrals were found in a small wadi, sloping downwards. On the opposite side of the ridge there are several cairns.

Pictures: 16, 17, 18

Finds: none

Dating: unknown

Site 32, Palaeolithic axe

Surveyed by: ABK

Date: 12.05.2009

GPS: N34.71375
E38.02378

Altitude: ?m asl

Description:

A broken Palaeolithic handaxe found close to rockshelter 17 further to the north in the wadi system

Pictures: none

Finds: incomplete Palaeolithic handaxe. Photo: 509-512, 746-749

Dating: probably late Palaeolithic

Site 33 (WP 107)

Surveyed by: ABK, KJH, HMHR, NA

Date: 04.05.2009

GPS: N: 34.423379
E: 038.32244

Altitude: 814m asl

Description:

Located is a wadi bend where the wadi makes almost a 360 degrees bend high up from the wadi about 300m NW of Rockshelter 15. The area here is fairly flat with some large rocks. There are indications of more recent use.

Pictures: none

Finds: 4 scattered flint pieces, one drill and 3 flakes. Photo: 754-755.

Dating: unknown

Site 34 Al-Mazraah (WP 334, Christian)

Surveyed by: JCM, EHS, ES, KS

Date: ?

GPS: N: 34.68609
E: 38.18352

Altitude: ? m asl

Description: see Christian WP 334

Finds: some lithic surface finds; 4 flakes

Dating: unknown

Site 35 (WP 369, Christian modern enclosure)

Surveyed by: JCM, EHS, ES, KS

Date: ?

GPS: N: 34.69637
E: 38.18283

Altitude: ? m asl

Description: see Christian WP 369, lithics found inside the modern enclosure at the top of the mountain.

Finds: one core fragment and one blade fragment

Dating: unknown

Site 36 Wadi Thakara south, oval structure (WP 329, Christian)

Surveyed by: JCM, EHS, ES, KS

Date: ?

GPS: N: 34.644027
E: 38.146560

Altitude: ? m asl

Description: see Christian WP 329, found in oval structure in the southern part of Wadi Takarah

Finds: one core fragment, one fragment of flint

Dating: unknown

Site 37 Corral Al-Koullah (WP 396, Christian)

Surveyed by: JCM, EHS, ES, KS

Date: ?

GPS: N: 34.67537
E: 38.14105

Altitude: ? m asl

Description: see Christian WP 396

Finds: one fragment of flint

Dating: unknown

Site 38 Akereem (WP 149, Christian)

Surveyed by: JCM, EHS, ES, KS

Date: ?

GPS: N: 34.69186
E: 38.19057

Altitude: ? m asl

Description: see Christian WP 149

Finds: two flint blades

Dating: unknown

Site 39 Corral (WP 374, WP 376 valley, Christian)

Surveyed by: JCM, EHS, ES, KS

Date: ?

GPS: N: 34.69049
E: 38.17871

Altitude: ? m asl

Description: see Christian WP 374 and 376

Finds: 9 blades, 2 flakes and 1 fragment all of flint. Photo: 772

Site 40 Corral (WP 322, Christian)

Surveyed by: JCM, EHS, ES, KS

Date: ?

GPS: N: 34.73046
E: 38.17734

Altitude: ? m asl

Description: see Christian WP 322, found inside corral in a low hill in Wadi Abyad

Finds: 1 blade and 1 retouched flake, 3 flakes and 5 fragments, all of flint. Photo: 773-775.

Dating: unknown

III. CAIRNS

Cairn 1 (WP 020)

Surveyed by: ABK, KJH, HMHR, NA

Date: 25.04.2009

GPS: N: 34.64275

E: 038.14779

Altitude: 597m asl

Description:

On a small hilltop 240m WNW of site 11 a heavily destroyed cairn were discovered. Here Wadi al-Takara enters into Wadi Al-Diwa. There were traces of the extent of the cairn in SW, but not recognizable elsewhere. It was constructed on bare rock, but the fill was brown soil in addition large stones. The cairn was low, 30-50 cm high at the present stage.

Pictures: 25, 26, 27, 28, 29

Finds: none

Dating: unknown

Cairn 2 (WP 23)

Surveyed by: ABK, KJH, HMHR, NA

Date: 25.04.2009

GPS: N: 34.64258

E: 038.12924

Altitude: 593m asl

Description:

On a small hilltop 1,7km west of Cairn 1, with the wadi in between, a heavily destroyed cairn were discovered. Here Wadi al-Takara enters into Wadi Al-Diwa. It was constructed on bare rock, but the fill was brown soil in addition large stones, with a plundering hole in the middle c. 2 x 2m. The cairn was low, but generally with stones recently reassembled for other purposes.

Pictures: 38, 39, 40

Finds: none

Dating: unknown

Cairn 3 (WP 24)

Surveyed by: ABK, NA

Date: 25.04.2009

GPS: N: 34.64713

E: 038.13277

Altitude: 648m asl

Description:

On a small hilltop 550m NE of Carin 2 a heavily destroyed cairn were discovered. Here Wadi al-Takara enters into Wadi Al-Diwa. The cairn was hardly recognizable, as the stones had been recently reassembled. It was constructed on bare rock, but the fill was brown soil in addition large stones. The cairn had an extent of 6-8m in diameter, indeterminable height. A small recent “mound” (varde) had been created with the majority of the stones from the cairn, which was circular 60-80 cm in diameter and c. 1m high.

Pictures: 41, 42, 43, 44

Finds: none

Dating: unknown

Cairn 4 (WP 025)

Surveyed by: NA

Date: 25.04.2009

GPS: N: 34.66358

E: 038.18517

Altitude: 876m asl



Description:

Located on a mountain-top in Jebel Abyad facing wadi Al-Diwa with a good view over the wadi and the plain in south and southwest. To the southeast the castle and the radio tower of Palmyra is visible. To the south just below the mountain top there is a plain gently sloping in a southeastern direction, forming in a way a natural terrace cut by small wadies heading west and southwest. There were no visible structures on the plain, and later crossing over the plain by walking this was confirmed. This plain leads northeast towards a cliff where on can see the dam. South of this plain there is a new ridge sloping steeply down to Wadi Al-Diwa.

The cairn has been plundered with a almost circular but shallow pit in the middle, but a lot of rocks has also been thrown out of the cairn itself, particularly in the west where the walls of the cairn is less visible. The cairn is circular, with a possible entrance in the east 90 cm wide. The diameter of the cairn is 5m north-south, and 5m east-west, forming a perfect circle. The cairn is made of large relatively flat stones on top of each other. The cairn is constructed on bare rock, inside is small broken rocks or gravel as well as soil. The cairn is striking similar to the Nawamis of Sinai, Egypt.

Pictures: 45, 46, 47, 48, 49, 50, 51, 52

Finds: none

Dating: unknown

Cairn 5 (WP 026)

Surveyed by: NA

Date: 25.04.2009

GPS: N: 34.66555

E: 038.19484

Altitude: 940m asl



Description:

Located on a mountain-top in Jebel Abyad facing wadi Al-Diwa with a good view over the wadi and the plain in south and southwest, with the dam visible in east. Heavily destroyed and plundered site, with a diameter north-south 4,5m, and east-west 4,5m forming a perfect circle.

Pictures: 63, 64, 65, 66, 67, 68, 69

Finds: none

Dating: unknown

Cairn 6 & 7 (WP 27 & 28)

Surveyed by: ABK, KJH, HMHR, NA

Date: 25.04.2009

Cairn 6 GPS: N: 34.65876
E: 038.16848
Altitude: 818m asl

Cairn 7 GPS: N: 34.65870
E: 038.16856
Altitude: 815m asl



Description:

Two interconnected cairns, at the top of a mountain facing towards Wadi Al-Diwa. Cairn 7 is found to the east and is the largest, both are heavily plundered and disturbed, and the outer limits of the cairns are hardly visible. The both seem to be within a single foot chain. Found on a fairly flat hilltop with good view. Cairn 7 has an approximate diameter of 15m north-south and east-west. Cairn 6 has an approximate diameter of 7,5m north-south, and 7m east-west. Both are more or less circular with a chamber in the middle.

Pictures: 70, 71, 72, 73, 74, 75, 76, 77, 78

Finds: a few pieces of bones, probably of more recent date. The pottery consists of two very small fragments of fine red ware and coarse light brown ware.

Dating: unknown, it is difficult to determine if the shards seems to be of more recent date, possibly Islamic period, but it is difficult to evaluate whether these are secondary or not.

Cairn 8 (WP 030)

Surveyed by: ABK, KJH, HMHR, NA

Date: 26.04.2009

GPS: N: 34.64847

E: 038.15331

Altitude: 609m asl

Description:



Description:

Found c. 800m southsoutheast of Site 20, the hilltop is clearly visible in the surrounding landscape, with particularly good view to the south and west over Wadi Al-Diwa. The complex consists of three cairns, one fairly large (9), and two smaller ones (10, 11) to the northeast. Between the large one and Cairn 10, there seems to have been some kind of connection in terms of a paved path of rocks or a platform. Cairn 10 seems to have been interconnected with Cairn 11. The site is heavily destroyed and the outer lines of the cairns are hardly visible. Both 10 and 11 seems to have a kind of demarcation on the outer circle. In the southeast of Cairn 9 there is partly visible that stones once have been nicely cut and dressed. Further, in Cairn 9, there seems to have been at least one chamber, possibly two, which has been covered on the walls with plaster. Except from this not much is visible.

Pictures: 114, 115, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189

Finds: one bladelet of flint

Dating: unknown

Cairn 12-16 (WP 047-052)

Surveyed by: KJH, HMHR, NA

Date: 29.04.2009

Cairn 12 (WP 047) GPS: N: 34.69923
 E: 038.08497
 Altitude: 784m asl

Cairn 13 (WP 048) GPS: N: 34.69919
E: 038.08490
Altitude: 785m asl

Cairn 14 (WP 049) GPS: N: 34.69893
E: 038.08481
Altitude: 783m asl

Cairn 15 (WP 051) GPS: N: 34.69911
E: 038.08511
Altitude: 781m asl

Cairn 16 (WP 052) GPS: N: 34.69926
E: 038.08514
Altitude: 782m asl

Wall (WP 050) GPS: N: 34.69907
E: 038.80510
Altitude: 782m asl



Description:

On a small ridge in the northwestern part of Wadi al-Takara a small concentration of 5 cairns of different sizes were discovered. The ridge overlooks a gentle sloping area, with a small village (name) with a low tower in northwest, and the tracks to both Jazal and Wadi Masik. In the northwest we look down on several small singular Bedoiun houses, none of which are

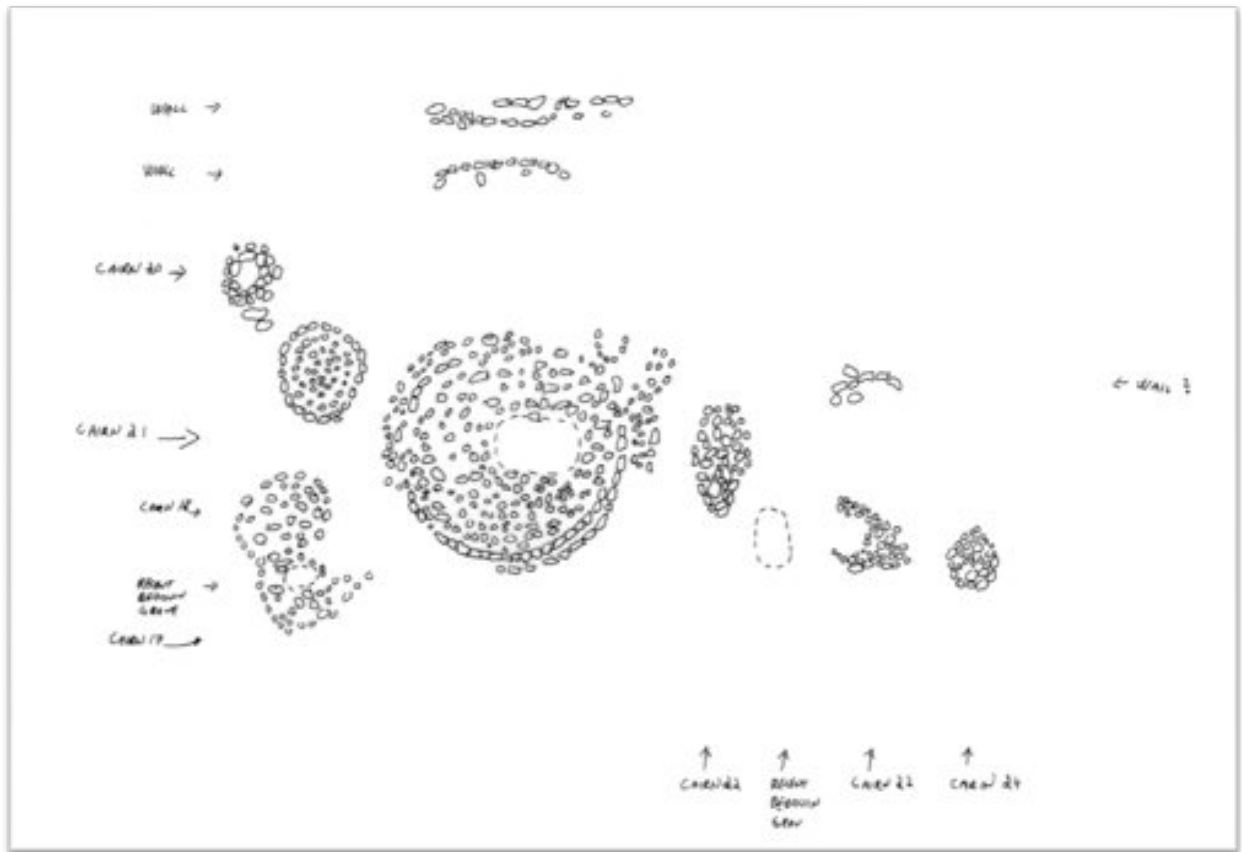
inhabited at the time of the visit. On the actual top of the ridge there are two fairly large cairns (Cairn 12 & 13). Cairn 13 is the largest and the best preserved, although heavily disturbed. Both the outer edges of the cairn and two chambers are visible. The chamber to the south is the best preserved, with stones clearly marking the cist. The cist or chamber 1, measured about 2m north-south, and c. 1m east-west. Chamber 2 were less preserved due to heavy looting, but appeared to be of more or less the same size. Cairn 13 had a well-preserved foot chain in the western and northern part, while in the south much rocks seems to have been thrown out. There was a less apparent connection with Cairn 12, but they seem to have been connected once, either by a small platform of rocks and gravel, or that the outer edges of both cairns touched each other. Cairn 12 was less preserved, though part of the foot-chain was visible in north. The cairn also seems to have another inner circle, however both the inner circle and the chamber were heavily disturbed by plundering. It is assumed that the original diameter of the circular cairn were about 10m, in the southern, eastern and western part much of the rocks had been used for other purposes on a later occasion. Cairn 14 was located c. 30m southsouthwest of cairn 13. This was a smaller cairn approximately 7-8m in diameter, though much disturbed. Part of the foot chain was visible in west, and some larger rocks in the centre believed to be the centre of the circular cairn. About 20m southeast of cairn 12, another small circular cairn (Cairn 15) was found, with a diameter of 2.5-3m, and was just next to a small wall or terrace of unknown function and purpose. About 15m northnortheast of cairn 12, cairn 16 was discovered. This also seems to once have been circular about 5m in diameter, though plundered and the stones in the centre seem to have been thrown out. Just south of cairn 16 a more recent Bedouin grave was found in a west-east direction.

		Altitude: 799m asl
Cairn 18 (WP 055)	GPS:	N: 34.69886 E: 038.08852 Altitude: 796m asl
Cairn 19 (WP 056)	GPS:	N: 34.69685 E: 038.08862 Altitude: 799m asl
Cairn 20 (WP 057)	GPS:	N: 34.69687 E: 038.08866 Altitude: 796m asl
Cairn 21 (WP 060)	GPS:	N: 34.69677 E: 038.08855 Altitude: 799m asl
Cairn 22 (WP 061)	GPS:	N: 34.69667 E: 038.08855 Altitude: 800m asl
Cairn 23 (WP 062)	GPS:	N: 34.69663 E: 038.08850 Altitude: 798m asl
Cairn 24 (WP 063)	GPS:	N: 34.69658 E: 038.08850 Altitude: 798m asl
Wall (WP 058)	GPS	N: 34.69674 E: 038.08878 Altitude: 797m asl
Wall (WP 059)	GPS	N: 34.69675 E: 038.08876 Altitude: 795m asl



Description:

On a small hilltop in the northern part of Wadi al-Takara, about 440m southeast of Cairn 12, a similar complex to the cairns 12-16 were discovered. Here 8 larger and smaller cairns were discovered along with two small walls or terraces facing south. There is a good view to the entrance of Wadi Masik, as well as to the northern part of Wadi al-Takara and its southern parts towards the plain of Wadi al-Diwa. At the highest point Cairn 21 were located, this was also the largest about 12,5m in diameter with a large plundering hole in the middle. In the northern and western part of the foot chain was well preserved. A small platform was partly visible at the edge of the cairn in the western part, though here was also large amount of stones thrown out. Just to the northeast cairn 17 and 18 were located, these were two small inter-connected cairns c. 5m in diameter each. Cairn 17 had a recent Bedouin grave in the centre. Cairn 19 was located just southeast of cairn 21, a fairly well preserved cairn almost circular in shape and about 5,5m in diameter. A few meters further to the southeast cairn 20 was located, this was also circular, but smaller than cairn 19, about 4m in diameter and with no stones in the middle. About 8m south of cairn 21 a small low wall or terrace was discovered, this was stretching in a east-west direction and was 8m long. Just south of this, about 2m was another similar wall or terrace in the same direction, about 12m long. This however, seems to be more eroded. About 4m west of cairn 21, cairn 22 was located. This was a more oval shaped cairn with rounded shape, measuring about 2,5m east-west and 6m north-south. Almost at its foot in the northwest a more recent Bedouin grave was found heading north-south. Northwest of cairn 21 both cairn 23 and 24 were located. Cairn 23 was heavily destroyed, and seems to have been reshaped more recently, but probably had an original diameter of ca. 4m. Just 2m further to the northwest cairn 24 were located. This was a more intact cairn, circular and 3m in diameter.



Pictures: 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249.

Finds: none

Dating: unknown

Cairn 25 (WP 064)

Surveyed by: KJH, HMHR, NA

Date: 29.04.2009

GPS: N: 34.68253

E: 038.09462

Altitude: 852m asl

Description:

Located in Jebel Hammoz Jazal almost at its edge towards Wadi al-Takara on a small hilltop. The cairn had been heavily destroyed by a bulldozer, particularly in the northern and southern part. Further a trigonometric point seems to have been placed in the believed centre of the cairn. Part of the foot chain is visible in southwest and northwest.

Pictures: 250, 251, 252, 253, 254, 255, 256, 257,

Finds: none

Dating: unknown

Cairn 26 (WP 065)

Surveyed by: KJH, HMHR, NA

Date: 29.04.2009

GPS: N: 34.67894

E: 038.09793

Altitude: 839m asl

Description:

Located in Jebel Hammoz Jazal almost at its edge towards Wadi al-Takara on a small hilltop. Heavily destroyed by bulldozer where two tracks meet. In the northern part there is a more recent hideout or shade.

Pictures: 258, 259, 260, 261, 262, 263

Finds: none

Dating: unknown

Cairn 27 (WP 066)

Surveyed by: KJH, HMHR, NA

Date: 29.04.2009

GPS: N: 34.67704

E: 038.10016

Altitude: 832m asl

Description:

Located in Jebel Hammoz Jazal almost at its edge towards Wadi al-Takara on a small hilltop. Heavily destroyed by bulldozer where two tracks meet, particularly in the northern part. Part of the foot chain visible

Pictures: 264, 265, 266, 267, 268, 269

Finds: none

Dating: unknown

Cairn 28 (WP 068)

Surveyed by: KJH, HMHR, NA

Date: 29.04.2009

GPS: N: 34.67070

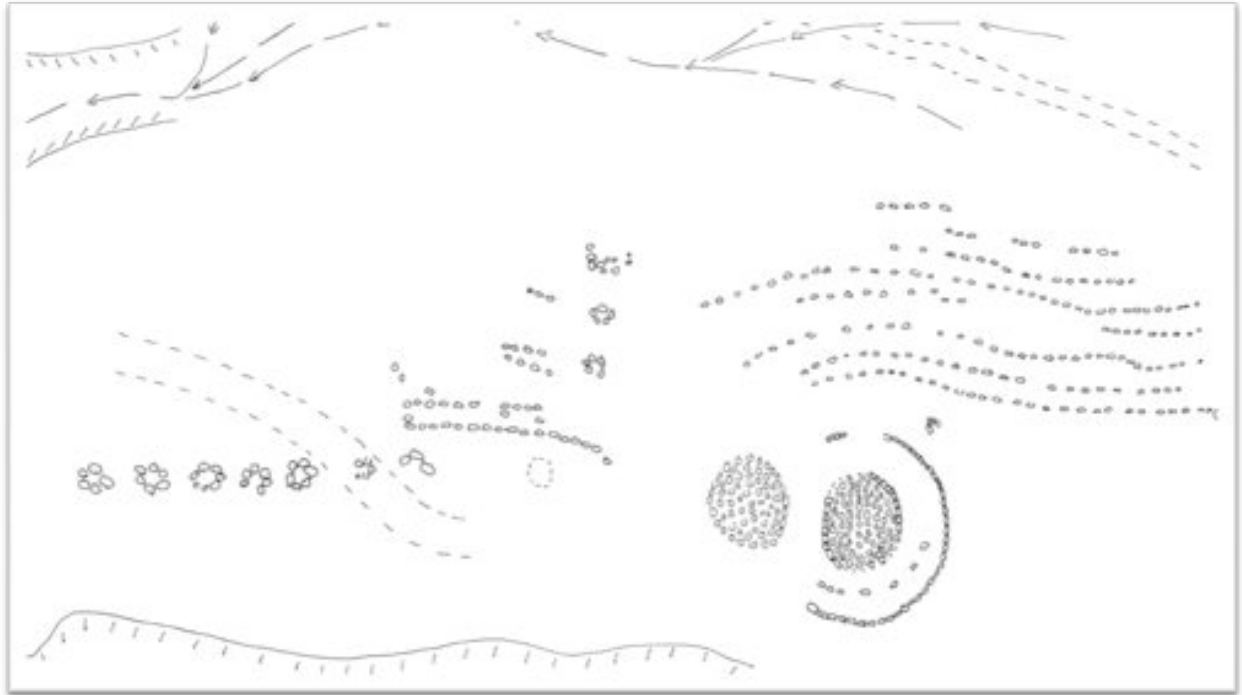
E: 038.10512

Altitude: 804m asl



Description:

Due to the nature of the site and the cairns this has been both defined as a site (25) and cairns. Two cairns were located on the southwestern bank of Wadi al-Takara, just where the tracks divide and lead to the quarry to the north and the other track continuing up Wadi al-Takara. To the west and south there are minor wadies that lead into Wadi al-Takara, some 50-100m south of the site. They were located on a small and fairly narrow bank of the wadi plain and the cairns were found northwest-southeast of each other. Cairn 31 is the best preserved with large edge stones, particularly visible on the southeastern side. Another circle of edge-stones (70-100cm) is also preserved. In between these circles there seems also to have been a third circle, now only partially visible on the northwestern side. The centre of Cairn 31 is 13m north-south, including the outer circle/edge stones it is 20m, while east-west the centre is 13m and the outer circle 20,5m. Cairn 30 is probably interconnected to the northwest, but is less visible compared to cairn 31. Neither of the cairns are probably robbed, and seems to be more or less intact although some stones both in the circles and the centers later has been removed. Walking towards the cairns from southeast there seems to be a kind of path or leeway leading towards the cairns about 1m wide made up of single stones in a row. This is narrow in the beginning, but getting closer to the cairns this seems to open up. Next to it there are at least 5 structures made up of 4-6 stones in a small circle 1-1,5m in diameter (has a flower shape, when seen from above). Further there are possibly at least two more, now more or less destroyed by a bulldozer, and possibly another one, which seems to have been dug as there is a pit here. Next to this pathway a few meters to the west, there are also some minor stone structures and stones in a row. Further to the northwest, next to cairn 31 there are larger rows of stones also making a kind of pathways, at least 7 pathways are partially visible. They seem to bend slightly to avoid the cairns.



Pictures: 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324

Finds: on shard of coarse ware pottery, possibly plain simple ware

Dating: uncertain, but possibly dated to the EBA IV

Cairn 32 (WP 073)

Surveyed by: ABK, KJH, HMHR, NA

Date: 30.04.2009

GPS: N: 34.67785

E: 038.11420

Altitude: 691m asl

Description:

Cairn heavily destroyed by bulldozer on the southern bank of Wadi al-Takara. The cairn seems to have been dug into by a bulldozer and not much is left. Estimated diameter east-west is 10,5m.

Pictures: 318, 319, 320, 321, 322

Finds: none

Dating: unknown

Cairn 33 (WP 074)

Surveyed by: ABK, KJH, HMHR, NA

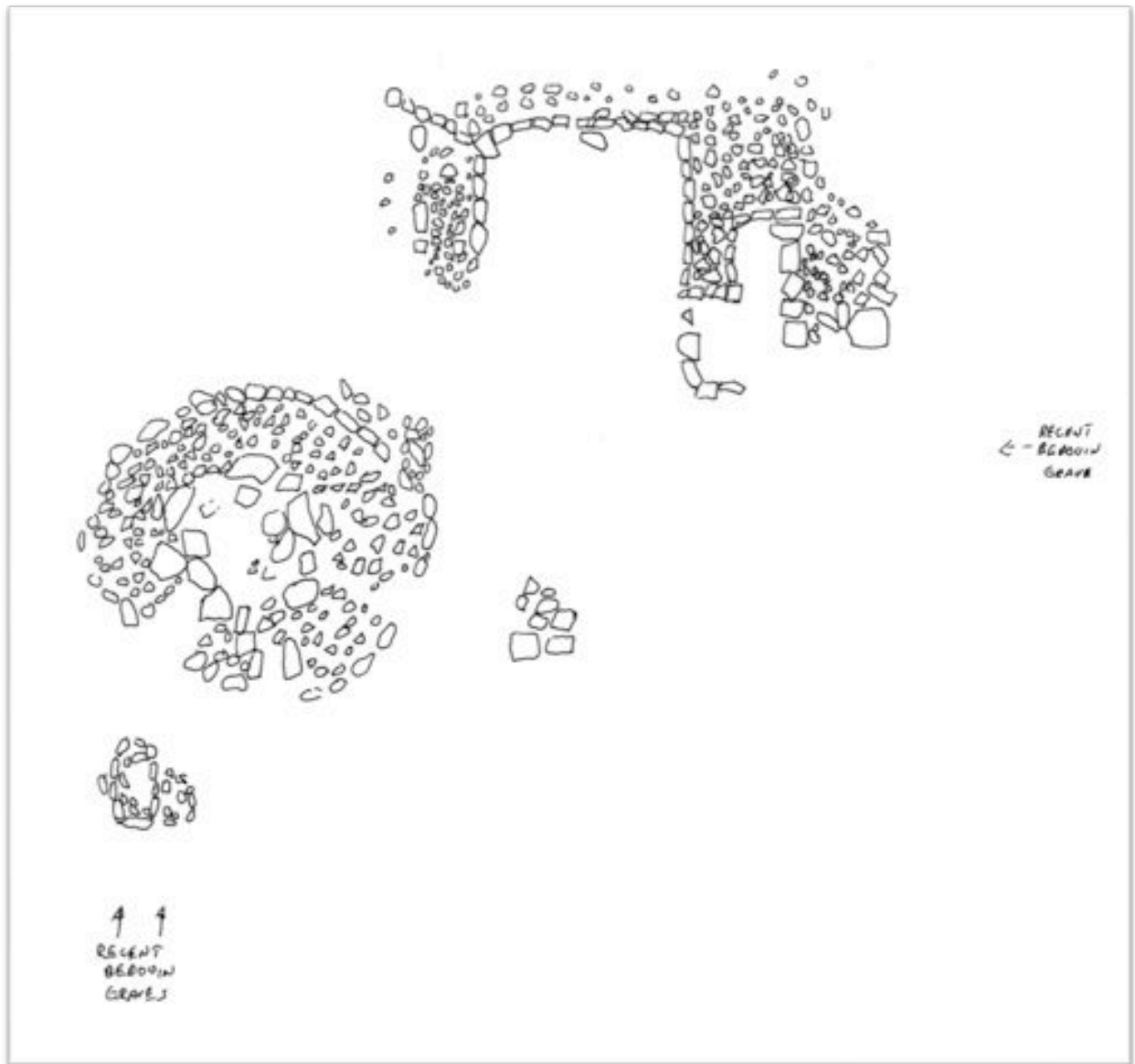
Date: 30.04.2009
GPS: N: 34.68600
E: 038.10713

Altitude: 724m asl



Description:

Located in Wadi al-Takara on small island in the western part of the wadi which is fairly plain Cairn 33 were discovered. It is close to the outlet of Wadi Sheba, where it meets Wadi al-Takara. Only a single cairn was found here 11m in diameter north-south, and partially destroyed in eastern half, where stones seems to be missing. The edge-stones were well visible in the western part. There were a number of large stones in the centre, which probably belong to the chamber, though the cairn had been plundered. Both at the northwester edge of the cairn and a few meters to the east recent Bedouin graves were also found. The one to the east seems to be one large and one small grave. Just northwest of the cairn there were also parts of a structure, which seems to be more or less rectangular in shape. A row of stones were visible forming at least three edges, possibly more, with a number of smaller stones particularly on what was interpreted to be the outside.



Pictures: 325, 326, 327, 328, 329

Finds: the lithic material consists of one blade and one retouched flake of flint, in addition to one shard of red fine ware

Dating: unknown, difficult to determine if there is any connection between the finds and the cairn. The shards seem to be of more recent date, possibly roman-byzantine period, but it is difficult to evaluate whether these are secondary or not.

Cairn 34-38, structures A & B (WP 075-082)

Surveyed by: ABK, KJH, HMHR, NA

Date: 30.04.2009

Cairn 34 (WP 075, WP 077) GPS: N: 34.69219
 E: 038.09789
 Altitude: 737m asl

Cairn 35 (WP 076) GPS: N: 34.69221
E: 038.09776
Altitude: 737m asl

Cairn 36 (WP 078) GPS: N: 34.69220
E: 038.09764
Altitude: 740m asl

Cairn 37 (WP 079) GPS: N: 34.69207
E: 038.09765
Altitude: 741m asl

Cairn 38 (WP 080) GPS: N: 34.69193
E: 038.09771
Altitude: 739m asl

Structure A (WP 081)GPS: N: 34.69201
E: 038.09768
Altitude: 739m asl

Structure B (WP 082)GPS: N: 34.69185
E: 038.09792
Altitude: 739m asl



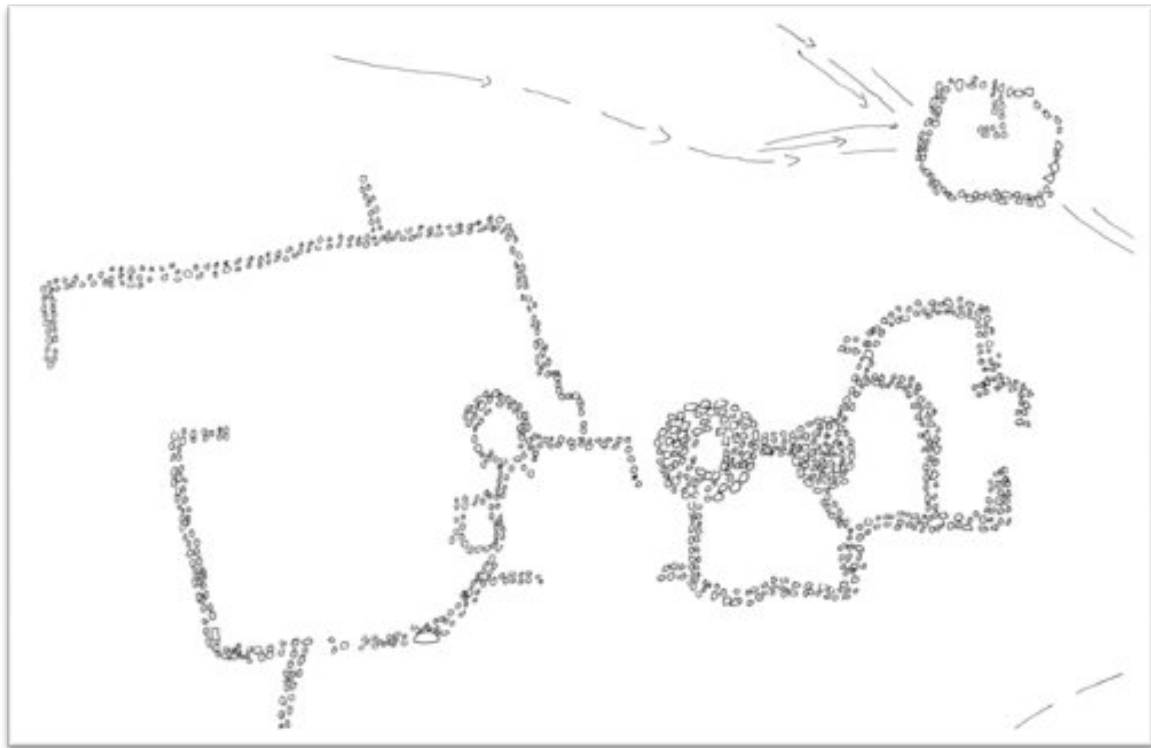
Description:

A complex of at least five cairns (34-38) and at least two unknown structures (A & B), located on a fairly flat plain in Wadi al-Takara. With two minor wadis running into Wadi al-Takara on both sides, forming a kind of island in the wadi. The plain is about 150m wide at the point where the cairns and structures are found. Here there is also recent evidence of at least two Bedouin tents and gravel connected to them. The cairns are of different size and shape, though all are believed to once have been circular. Cairn 34 consist of two interconnected cairns (a and b), which has a diameter of a: north-south 7m, east-west 7m; b: a diameter of 5m. Cairn 35 has a diameter of 5m, fairly circular with clear edge-stones in the eastern part. Cairn 36 is the largest with a diameter of ca. 10,5m, where there is a row of stones leading out in both southwestward direction and northeastward direction. In the eastern part of the cairn there seems to be some kind of platform or entrance, in the shape of a more paved area with smaller stones. The edge-stones are visible almost all the way around the cairn. Next to this platform, in the east cairn 37 is located. This is circular with a diameter of 7m, and clear edge-stones. There is also an apparent inner circle, where the chamber probably has been located, made of larger stones. In the middle there are now no stones. At the edge of cairn 37 in the northeastern part there seems to be a small pile of stones been thrown out. Cairn 38 is located a few meters southeast of Cairn 37, but has presently a one oval or egg-shaped form. It is low, but appears to be larger but presently covered by soil. It has now a diameter of 7,3m north-south. In between these two cairns, structure A, of unknown purpose and function was located. This could also be another cairn, but this was unclear. Just east of cairn 38, an almost circular pile of stone, connected to some large ones forming a kind of wall in a southeastward direction were defined as structure B.

Cairn 40 (WP 084) GPS: N: 34.68960
E: 038.09891
Altitude: 731m asl

Description:

Two cairns located between two minor wadies running into Wadi al-Takara further to the south, on a kind of island between two wadies, gently sloping towards the wadies in east and west. The complex consists of two interconnected cairns probably as a path between the two consisting of smaller rocks and gravels in a way a platform. Cairn 39 is the largest with a diameter of 10,9m east-west, and 12,9m north-south. It has visible edge-stones and larger stones in the middle which has been thrown out, which probably were used as a chamber. The diameter of cairn 40 is 9,4m north-south, and 8,3m east-west. Connected to these cairns were a series of corrals, particularly in the east and west. In the west there could seem to be some kind of courtyard, with a number of smaller unknown structures. About 30m northeast of cairn 40, a small separate corral was also identified in the middle of a small wadi.



Pictures: 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341

Finds: 3 flakes of flint, 4 iron fragments (one spearhead/arrowhead and one nail), some wadi pebbles – possibly natural. The pottery consists of brittle ware, imported coarse ware, dark ware, glazed ware and possibly also plain simple ware. Some of the shards are painted. Photo: 680-685, 686-689.

Dating: the majority of the pottery seems to be dated to the early Islamic period, one shard may even be connected to the Parthian period. The local coarse ware may be connected to the roman-byzantine period, while some shards are of unknown period. One shard is possibly plain simple ware and dated to EBA IV.

Cairn 41-44 (WP 85-88)

Surveyed by: ABK, KJH, HMHR, NA

Date: 30.04.2009

- Cairn 41 (WP 085) GPS: N: 34.69116
 E: 038.09253
 Altitude: 773m asl
- Cairn 42 (WP 086) GPS: N: 34.69122
 E: 038.09264
 Altitude: 775m asl
- Cairn 43 (WP 087) GPS: N: 34.69112
 E: 038.09277
 Altitude: 775m asl
- Cairn 44 (WP 088) GPS: N: 34.69105
 E: 038.09283
 Altitude: 774m asl



Description:

Four cairns located on a ridge just opposite the entrance of Wadi el-Masik overlooking the northern valley and wadi of Wadi al-Takara. Three are more or less on a row on the edge, the fourth is located slightly down the slope. Cairn 41 and 42, are the largest, while the two others are noticeable smaller. Cairn 41 has a diameter 8,2m north-south, and 8,3m east-west. Cairn 42 has a diameter of 10,6m east-west and 10,4 north-south. Cairn 43 has a diameter of 5m

north-south, and 5,3 east-west. Cairn 44 has a diameter of 6,2 east-west, and 5,2 north-south. From both cairn 41 and 42 there are walls leading southwestwards down the slope, one from each. The wall from cairn 41 starts 4m down the slope, is 2,5m wide and 29m long. The wall from cairn 42 starts 14,6m from the edge of the cairn, is 1m thick in the upper part and 2m thick in the lower part, and 16,7m long.

Pictures: 375, 376, 377, 378, 379, 380,381, 382, 383, 384, 385, 386, 387, 388, 389

Finds: none

Dating: unknown

Cairn 45 (WP 169)

Surveyed by: ABK, KJH, HMHR, PS

Date: 11.05.2009

GPS: N: 34.70754

E: 038.04305

Altitude: 812m asl

Description:

This is possible a small cairn about 2m in diameter. A circle of stones are half buried, may also be a more recent Bedouin grave.

Pictures: 9-11

Finds: none

Dating: unknown

Cairn 46 (WP 089)

Surveyed by: KJH, HMHR, NA

Date: 02.05.2009

GPS: N: 34.70731

E: 038.07581

Altitude: 814m asl



Description:

The cairn was found on a small ridge or hill on the northwestern side of the wadi outlet. The wadi is small leading from Jebel Abyad. Located 100m from the wadi bottom, on the opposite side of the wadi Cairn 47 is found. The cairn measured north-south 9,5m and east-west 7,8m.

Pictures: 390-396

Finds: none

Dating: unknown

Cairn 47 (WP 090)

Surveyed by: KJH, HMHR, NA

Date: 02.05.2009

GPS: N: 34.70595

E: 038.07882

Altitude: 811m asl

Description:

Located along the same wadi as Cairn 46, but on the opposite side – the southeastern side of the wadi close to the wadi outlet and about 150m from the wadi bottom.

Pictures: 397-400

Finds: none

Dating: unknown

Cairn 48 (WP 94)

Surveyed by: KJH, HMHR, NA

Date: 02.05.2009

GPS: N: 34.73928

E: 038.07567

Altitude: 999m asl

Description:

Located further upstream from Site 26, where the wadi is fairly narrow. On a high bank of soil leading steep down to the wadi bottom a small circular cairn was found almost on the edge of the wadi. It is low, but with clearly marked stones which form a circle and a small string of stones leading towards the wadi. The chamber is clearly visible and cairn measures north-south 3,5m, and east-west 5,2m. This could possibly also be a more recent burial.

Pictures: 434-440

Finds: none

Dating: possibly more recent burial

Cairn 49 (WP 095)

Surveyed by: HMHR, NA

Date: 02.05.2009

GPS: N: 34.75160

E: 038.07695

Altitude: 1192m asl

E: 038.07602
Altitude: 902m asl

Description:

Two badly preserved cairns on a hilltop across the wadi from site 26 in a southern direction, and about 150m from the wadi bottom. Both are rather small and robbed. Stones from the cairns has been reused both as Bedouin graves and as shelters.

Pictures: 482-495

Finds: none

Dating: unknown

Cairns 54-57 (WP 102-105)

Surveyed

by: ABK, KJH, HMHR, NA

Date: 03.05.2009

Cairn 54 (WP 102) GPS: N: 34.70444
 E: 038.06459
 Altitude: 783m asl

Cairn 55 (WP 103) GPS: N: 34.70451
 E: 038.06440
 Altitude: 786m asl

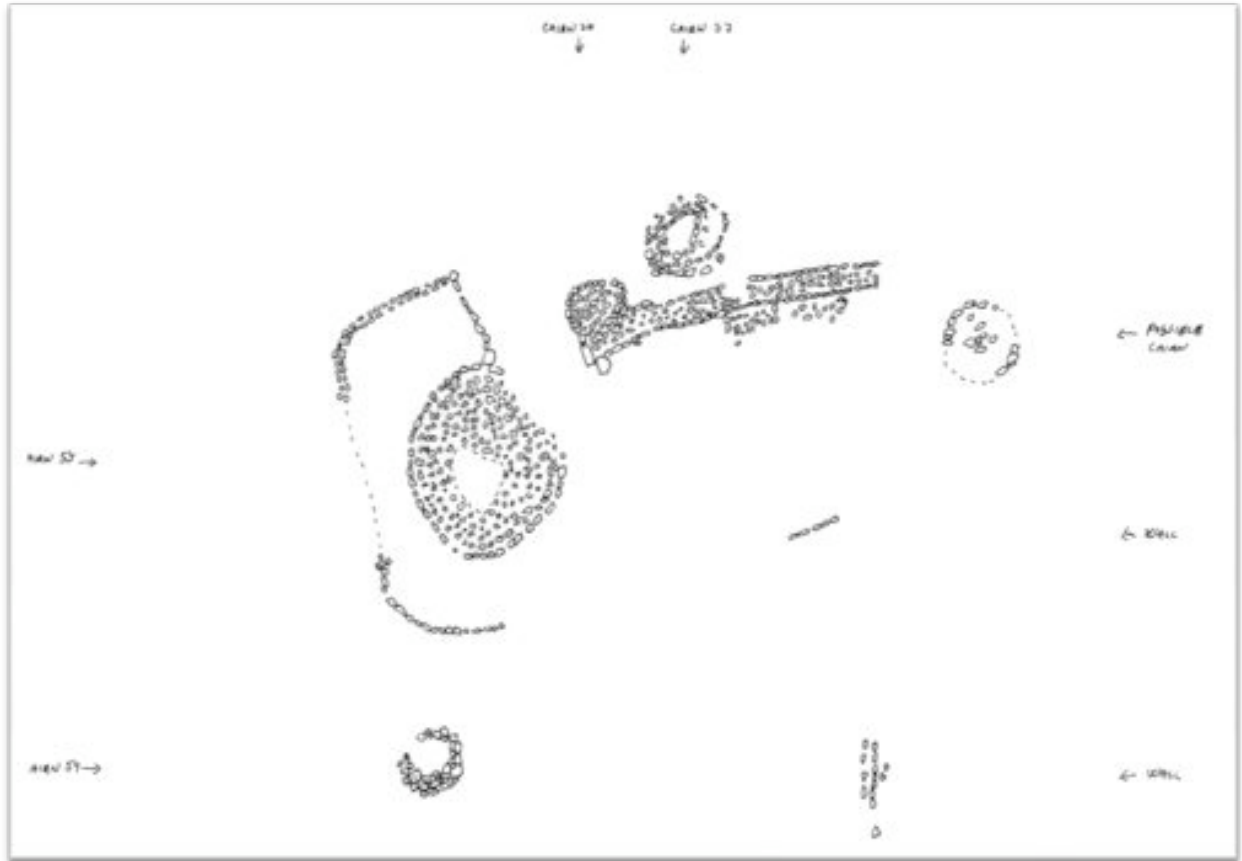
Cairn 56 (WP 104) GPS: N: 34.70459
 E: 038.06433
 Altitude: 787m asl

Cairn 57 (WP 105) GPS: N: 34.70461
 E: 038.06431
 Altitude: 788m asl

Description:

A complex of cairns located in the gently sloping hills in the very northern part of Wadi al-Takara. It is located on the edge of a small hill looking south and east on the plain and the mountains of Jazal. On the northwestern side there is an outlet of a small wadi, and the cairns are located about 25m from this. The complex consists of one large cairn (Cairn 55) having partly edge stones to the east and west. In the west this seems to be more squared or rectangular, while in the east more circular. The northern part of the cairn seems to have been removed, but the original diameter must have been 12m. The inner part of the cairn lacks of stones and consist of soil only. Cairn 54 is located 10m to the west fo Cairn 55 and is a small circular cairn, but with nicely dressed stones. There seems to have been an entrance in the southern part. About 4m to the northwest of Cairn 55, Cairn 56 is located, which also is circular. Though this is unclear and seems to be attached to a stone wall (see below). Just northwest of this is Cairn 57, which also is circular, both with a partial inner and outer circle. Stretching from Cairn 56 and in a northwest almost straight direction is a wall 22m long and

1-1,5m wide with clearly marked edge stones. Half way there seems to be some kinds of stairs to the east, though this is badly preserved. About 4m northeast of the northern part of the wall is another possible cairn (not given no.), but this was very badly preserved and it was difficult to determine whether it was a cairn or not.



Pictures: 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553

Finds: the shards may tentatively be identified as plain simple ware pottery, one shard is dark red coarse ware

Dating: the plain simple ware may possibly be EBA IV, or roman-byzantine period? However, one shard of dark red coarse ware may possibly be dated to the roman-byzantine period.

Cairn 58 & 59 (WP 108 & 109)

Surveyed by: HMHR, NA

Date: 04.05.2009

Cairn 58 (WP 108) GPS: N: 34.70769
E: 038.05568
Altitude: 840m asl

Cairn 59 (WP 109) GPS: N: 34.70766
E: 038.05559
Altitude: 837m asl

Description:

On a small ridge up from the plains of the northern part of Wadi al-Takara two cairns were located, view great view over the area particularly to the east, south and west. The wadi bends sharply to the west 90 degrees just north of the cairns, and then bends 90 degrees southwards again. Cairn 58 is almost circular with a diameter of 8,2m north-south and 7,3m east-west. Part of the edge stones was visible in south and east. The cairn is damaged in west. There are no stones in the middle, which is partly built up recently as a shelter. Cairn is found few meters to the west of Cairn 58. Dimensions are north-south 4,1m and east-west 4,1m. The cairn is badly damaged by plundering.

Pictures: 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579

Finds: none

Dating: unknown

Cairn 60 (WP 110)

Surveyed by: KJH, PS, HMHR, NA

Date: 04.05.2009

GPS: N: 34.71176

E: 038.05042

Altitude: 898m asl

Description:

A single cairn of medium and small stones located on a hill ridge of Jebel Abyad, between the Wadi al-Takara plain and the mountain top. Disturbed by plundering and possibly Bedouin graves to the south and east of the cairn, which probably have reused most of the stones. The diameter north-south is 7,5m and the diameter east-west is 10m.

Pictures: 580, 581, 582, 583, 584

Finds: none

Dating: unknown

Cairn 61-65 (WP 114-118)

Surveyed by: ABK, KJH, PS

Date: 05.05.2009

Cairn 61 (WP 114) GPS: N: 34.69554
E: 038.06464
Altitude: 792m asl

Cairn 62 (WP 115) GPS: N: 34.69559
E: 038.06461
Altitude: 790m asl

Cairn 63 (WP 116) GPS: N: 34.69577
E: 038.06449
Altitude: 792m asl

Cairn 64 (WP 117) GPS: N: 34.69643
E: 038.06425
Altitude: 787m asl

Cairn 65 (WP 118) GPS: N: 34.69706
E: 038.06427
Altitude: 789m asl

Description:

On a small hilltop, partly covered by black stones on top and eastern slope, and about 1km north of Jazal well a complex of 5 cairns were found. The cairns were located on the edge of the hill in a north-south direction. All of the cairns were badly preserved. Cairn 64 and 63 had several large stones in their vicinity that may indicate that they had partly been eroded down the slope. They have all most probably been circular. Cairn 61 had a diameter north-south 8,2m and east-west 8,2m. Cairn 62 had a diameter of 7,5m north-south, and east –west 9,2m. Cairn 63 had a diameter north-south 9m, and east-west 7,3m. Cairn 64 had a diameter north-south of 13m, and east-west 16m. Cairn 65 had a diameter of 10.8m, and east-west 10m.

Pictures: 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625

Finds: in Cairn 61 one flake of retouched flint were found

Dating: unknown

Cairn 66 & 67 (WP 121 & 122)

Surveyed by: ABK, KJH, PS

Date: 05.05.2009

Cairn 66 (WP 121) GPS: N: 34.69837
E: 038.06338
Altitude: 812m asl

Cairn 67 (WP 122) GPS: N: 34.69844
E: 038.06330
Altitude: 810m asl

Description:

On a hilltop ca. 150 north of cairn 65 and about 100m south of the “black mountain”. Two cairns were located on a ridge. The cairns abutted each other in a north-south direction, with an outer circle of stones including both cairns. Cairn 66 was found to the south and 67 to the north. The total diameter of both cairns were north-south 12,5m and east-west 11.5m

Pictures: 626, 627, 628, 629, 630, 631

Finds: none

Dating: unknown

Cairn 68 (WP 123)

Surveyed by: ABK, KJH, PS

Date: 05.05.2009

GPS: N: 34.69905

E: 038.06271

Altitude: 805m asl

Description:

Found on a small hilltop 100m south of the black mountain. A rather large and well preserved cairn, with a diameter north-south 10,5m, and east-west 10,5m

Pictures: 632, 633, 634, 635

Finds: none

Dating: unknown

Cairn 69 (WP 124)

Surveyed by: ABK, KJH, PS

Date: 05.05.2009

GPS: N: 34.69919

E: 038.06258

Altitude: 804m asl

Description:

Found 100m south of the black mountain-top 20m southeast of cairn 68. It is a rounded cairn of mixed material. Large and small stones are mixed. The diameter of the cairn is north-south 11m, and east west 11.4m.

Pictures: 636, 1, 2, 3, 4

Finds: none

Dating: unknown

Cairn 70-72 (WP 125-128)

Surveyed by: ABK, KJH, PS

Date: 05.05.2009

Cairn 70 (WP 125) GPS: N: 34.70059
E: 038.06229

Altitude: 817m asl

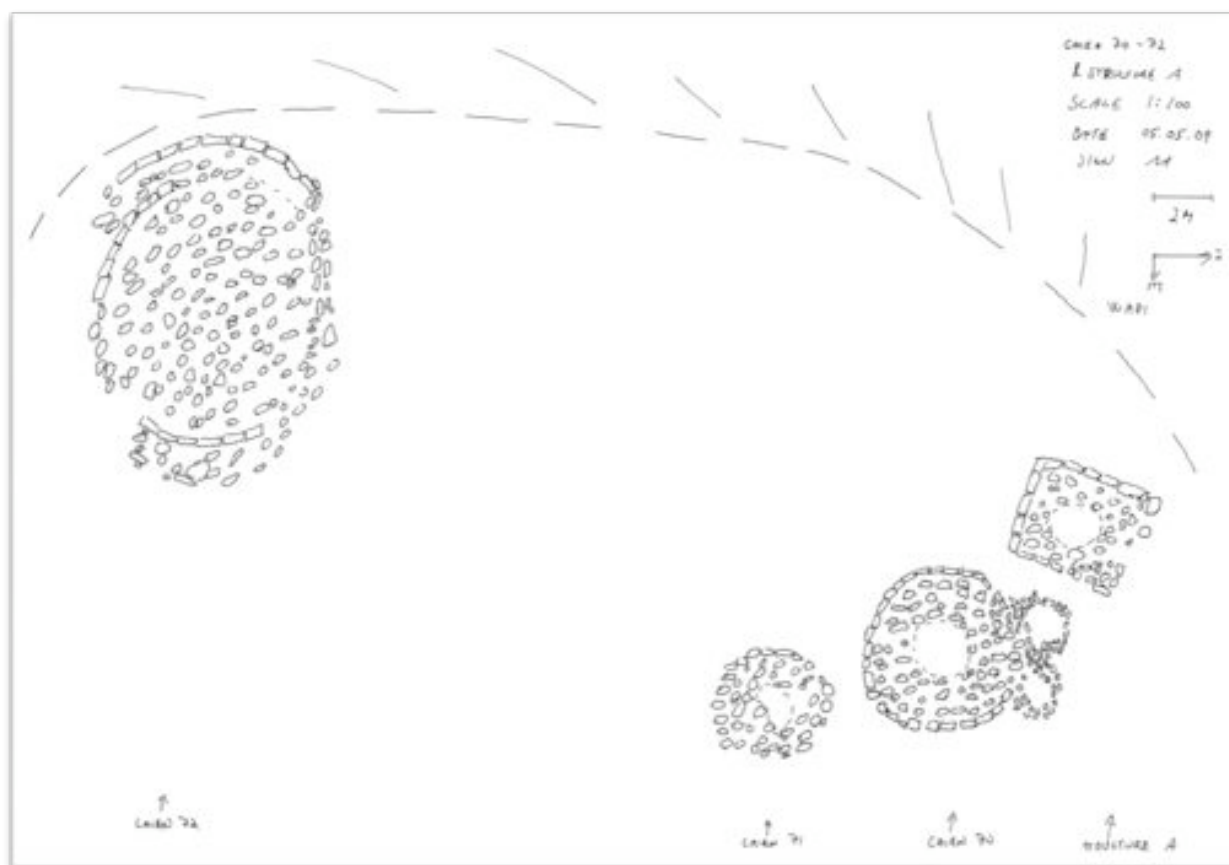
Cairn 71 (WP 128) GPS: N: 34.70056
E: 038.06224
Altitude: 812m asl

Cairn 72 (WP 126) GPS: N: 34.70066
E: 038.06195
Altitude: 813m asl

Structure A (WP 127) GPS: N: 34.70065
E: 038.06234
Altitude: 814m asl

Description:

A complex of three cairns and a squared stutcure (A), few meters apart on the hilltop of the black mountain. The complex is located on the northernmost part of the ridge. Next to cairn 70 in the north there are two recently made shelters of loose rocks, and one meter apart from cairn 70 to the northwest is a squared structure.



Pictures: 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20

Finds: in Cairn 70-72 two flakes of flint were found in addition to one shard possible of plain simple ware pottery. Photo: 690-693.

Dating: the plain simple ware may tentatively be dated to the EBA IV

Cairn 73 (WP 129)

Surveyed by: ABK, KJH, PS

Date: 05.05.2009

GPS: N: 34.70067

E: 038.06311

Altitude: 796m asl

Description:

Located on the hill slope towards east, overlooking the valley. The cairn is medium sized c. 80m east of cairn 70

Pictures: 21, 22, 23, 24, 25, 26

Finds: none

Dating: unknown

Cairn 74 (WP 130)

Surveyed by: ABK, KJH, PS

Date: 05.05.2009

GPS: N: 34.69662

E: 038.06141

Altitude: 799m asl

Description:

Located on a hilltop between the ridge of the black mountain and the next ridge to the west. The diameter north-south is 5,8m and east-west 6,2m.

Pictures: 27, 28, 29

Finds: none

Dating: unknown

Cairn 75 (WP 131)

Surveyed by: ABK, KJH, PS

Date: 05.05.2009

GPS: N: 34.69850

E: 038.05458

Altitude: 805m asl

Description:

Located on a hill ridge northwest of the black mountain. Here a well-preserved cairn just on the edge of the eastern slope was found. Two “arms” (possibly more recent) leads from the cairn in a north and northwest direction. The diameter of the cairn is 7,9m north-south, and 7,3m east-west.

Pictures: 30, 31, 32, 33, 34

Finds: none

Dating: unknown

Cairn 76 (WP 132)

Surveyed by: ABK, KJH, PS

Date: 05.05.2009

GPS: N: 34.70062

E: 038.05222

Altitude: 831m asl

Description:

Located on a hill ridge northwest of the black mountain. Here a well-preserved cairn just on the edge of the eastern slope was found. This cairn is badly preserved, a possible smaller cairn abutted in the north. The diameter north-south is 5m, and east-west 5m.

Pictures: 35, 36, 37, 38

Finds: none

Dating: unknown

Cairn 77-79, and structure B (WP 133-136)

Surveyed by: ABK, KJH, PS

Date: 05.05.2009

Cairn 77 (WP 133) GPS: N: 34.70120
 E: 038.05120
 Altitude: 837m asl

Cairn 78 (WP 134) GPS: N: 34.70124
 E: 038.05122
 Altitude: 836m asl

Cairn 79 (WP 135) GPS: N: 34.70123
 E: 038.05132
 Altitude: 833m asl

Structure B (WP 136) GPS: N: 34.70124
 E: 038.05092

Altitude: 837m asl

Description:

Three cairns located next to each other on the northwestern point of the ridge. A large stone circle seems to have enclosed two of the cairns. There are collapsed cists in 77 and 79, and on top of 78 there is a modern geographical landmark. All are located on the edge of small hill. To the west there is a structure (B) open in the northwest. Cairn 77 has a diameter north-south of 7,8m and east-west 7,4m. Cairn 78 has a diameter north-south of 6m and east-west 5,2m. Cairn 79 has a diameter of 5,7m north-south, and 5,3m east-west. Structure B is 2,4m north-south, and 2,7m east-west.

Pictures: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11

Finds: none

Dating: unknown

Cairn 80 (WP 137)

Surveyed by: HMHR, NA

Date: 06.05.2009

GPS: N: 34.73436

E: 038.12576

Altitude: 1053m asl

Description: Located on a ridge southeast of Shalalah. There is good view in the north. West of the cairn is an old track (a few hundred meters). In the south there is a small wadi that runs close to the cairn. The mountain is bare and rugged. The cairn is poorly preserved, but made of rocks and filled with soil. There also seems to be a modern burial in the cairn. The diameter is 6,5m north-south, and 6,5m east-west.

Pictures: 1, 2, 3, 4, 5

Finds: none

Dating: unknown

Cairn 81 & 82 (WP 138 & 139)

Surveyed by: HMHR, NA

Date: 05.05.2009

Cairn 81 (WP 138) GPS: N: 34.73624
 E: 038.12968
 Altitude: 1108m asl

Cairn 82 (WP 139) GPS: N: 34.73629
 E: 038.12973
 Altitude: 1107m asl

E: 038.12037
Altitude: 1012m asl

Cairn 86 (WP 143) GPS: N: 34.73280
E: 038.12043
Altitude: 1012m asl

Description:

Located on a ridge just south of Shalalah, with a great view. There are three circular cairns in addition to at least three more recent burials. There is also a possible wall close to cairn 86. Cairn 84 has a diameter of east-west of 9,8m, and north-south 9,7m, with a height varying between 2-2,5m. Cairn 85 has a diameter of 3,2m north-south, and east-west 3, 05m. Cairn 86 has a diameter of 7,05m north-south, and 6,6m east-west.

Pictures: 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 42

Finds: none

Dating: unknown

Cairn 87 (WP 145)

Surveyed by: NA
Date: 06.05.209
GPS: N: 34.73311
E: 038.11766

Altitude: 1030m asl

Description:

A circular cairn close to both a pathway of tracks crossing the ridge just to the north, as well as just south of the animal pens (site 27). The cairn has a diameter of 7,3m north-south and east-west 6,8m and the height is 1-1,5m.

Pictures: 44, 45, 46, 47

Finds: none

Dating: unknown

Cairn 88 & 89 (WP 146 & 147)

Surveyed by: HMHR, NA
Date: 06.05.2009

Cairn 88 (WP 146) GPS: N: 34.72963
E: 038.08874
Altitude: 899m asl

Cairn 89 (WP 147) GPS: N: 34.72976

Two cairns located in the wadi bottom, on the banks of Wadi al-Masek. The cairns are attached and surrounded by several corrals which seems to be more recently made. Located a few hundred meters further up the wadi from cairn 90. Cairn 91 has a diameter of 6,5m north-south, and 5,8m east-west. Cairn 92 has a diameter of 6,4m north-south and 6,4m east-west.

Pictures: 59, 60, 61, 62, 63, 64, 65

Finds: none

Dating: unknown

Cairn 93 (WP 183)

Surveyed by: PS, KJH, HMHR, NA

Date: 06.05.2009

GPS: N: 34.442628
E: 038.52649

Altitude: 945m asl

Description:

Located in the wadi bottom, on the banks of Wadi al-Masek. The cairn is attached and surrounded by several corrals that seem to be more recently made. It is found on the eastern bank of the wadi a few hundred meters further up the wadi from cairn 91 and 92.

Pictures: 66, 67, 68, 69, 70

Finds: none

Dating: unknown

Cairn 94-97 (WP 163-166)

Surveyed by: ABK, KJH, HMHR, NA

Date: 07.06.2009

Cairn 94 (WP 163) GPS: N: 34.74748
E: 038.06732
Altitude: 1105m asl

Cairn 95 (WP 164) GPS: N: 34.74760
E: 038.06733
Altitude: 1102m asl

Cairn 96 (WP 165) GPS: N: 34.74760
E: 038.06731
Altitude: 1100m asl

Cairn 97 (WP 166) GPS: N: 34.74758
E: 038.06729

Altitude: 1103m asl

Description:

Situated on a small hilltop separated from Jebel Abyad towards Wadi Abyad, which has a small ridge in a north-south direction. Cairn 94 and 95 are partly abutted. The cairns are all poorly preserved. In cairn 94 a small bead, possible of bronze were found. The diameter of cairn 94 is north-south 6m, and east-west 7m. Cairn 95 has a diameter north-south of 5,1m, and east-west 5,1m. Cairn 96 has a diameter of 2,7m. Cairn 97 has a diameter north-south of 3,7m, and east-west 3,4m.

Pictures: 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146

Finds: in Cairn 94 a small copper bead was found. Photo: 521-525

Dating: unknown

Cairn 98 & 99 (WP 201 & 200)

Surveyed by: ABK, KJH, HMHR, PS

Date: 12.05.2009

Cairn 98 (WP 201) GPS: N: 34.69712
 E: 038.02387
 Altitude: 741m asl

Cairn 99 (WP 200) GPS: N: 34.69705
 E: 038.02378
 Altitude: 744m asl

Description:

Located on the same ridge as cairn 113-118 in the northwestern part of the ridge, close to the edge. It is a large cairn, about 2m high, with a modern construction on top (probably a landmark). About 10-15m to the west is a small cairn that is more disturbed. The diameter of cairn 98 is 10,6m north south, and 10,3m east-west. Cairn 99 has a diameter of 2,5m.

Pictures: 44, 45, 46, 47, 48

Finds: none

Dating: unknown

Cairn 100 (WP 187)

Surveyed by: KJH, HMHR

Date: 07.05.2009

GPS: N: 34.75301
 E: 038.08319

Altitude: 1195m asl

Description:

Found on the mountain edge on the southwestern side of Wadi al-Masek. This is a small cairn with a slightly different character than the average ones. Badly preserved. To the south of the cairn 100 is a very disturbed heap of stones that might have been a cairn. This has not been recorded. The cairn has a diameter of 3,1m north-south, and 3,4m east-west. Further to the north-northwest along the same ridge is a previously recorded cairn.

Pictures: 258, 259, 260, 261, 262, 263

Finds: none

Dating: unknown

Cairn 101 (WP 188)

Surveyed by: KJH, HMHR

Date: 07.05.2009

GPS: N: 34.75154

E: 038.08385

Altitude: 1191m asl

Description:

Plundered and badly preserved cairn c. 150m south of cairn 100 on the same mountain ridge parallel to Wadi al-Masek on the western side of the wadi. It is a small to medium sized cairn both a more recent burial and a geographical point is inside the cairn. The diameter is 5,1m.

Pictures: 264, 265, 266, 267, 268

Finds: none

Dating: unknown

Cairn 102 (WP 189)

Surveyed by: KJH, HMHR

Date: 07.05.2009

GPS: N: 34.74911

E: 038.08635

Altitude: 1154m asl



Description:

Located on the edge of the mountain chain that faces Wadi al-Masek below. The western side of the outer circle has eroded down the mountain slope. It is a rather well preserved cairn, although plundered. There might have been two cists in the same cairn. A rather wide outer circle of stones encloses the cairn, and there seems to be an opening or entrance on the edge of the mountain. It consists of an outer circle as well as edge stones along the cairn. The cairn has a diameter of 7,2m north-south and 7,4m east-west. The outer circle measures 15,3m north-south.

Pictures: 272, 273, 274, 275, 276, 277, 278, 279, 280, 281

Finds: none

Dating: unknown

Cairn 110 (WP 191)

Surveyed by: ABK, KJH, HMHR, PS

Date: 12.05.2009

GPS: N: 34.69854

E: 038.04472

Altitude: 823m asl

Description:

Located on a ridge running in a northeast southwest direction, west of the black mountain. A cairn situated on a hill overlooking Jazal village in the west. The cairn is in a very good condition and shape, and appears to be undisturbed. It is found on the very edge of the northern part of the hilltop. The diameter of the cairn is 8,3m and the height is 1,5m, and half of the foot chain is visible.

Pictures: 1, 2, 3, 4, 5

Finds: none

Dating: unknown

Cairn 111 (WP 192)

Surveyed by: ABK, KJH, HMHR, PS

Date: 12.05.2009

GPS: N: 34.69758

E: 038.04346

Altitude: 818m asl

Description:

The cairn is located on the same ridge as cairn 110, about 100m southwest of the latter. The cairn has been plundered and a modern stone construction, a possible landmark is built on top. Part of a foot chain is visible. The diameter of the cairn is north-south 6,3m, and east-west 6,7m.

Pictures: 6, 7, 8, 9

Finds: none

Dating: unknown

Cairn 112 (WP 193)

Surveyed by: ABK, KJH, HMHR, PS

Date: 12.05.2009

GPS: N: 34.69453

E: 038.04056

Altitude: 794m asl

Description:

Possibly two cairns abutted, but only recorded as one. However, this is poorly preserved. Cairn 110 and 111 is visible in the northeast. The diameter of the cairn is north-south 9,2m and east-west 8,3m

Pictures: 10, 11, 12, 13, 14, 15

Finds: none

Dating: unknown

Cairn 113 (WP 194)

Surveyed by: ABK, KJH, HMHR, PS

Date: 12.05.2009

GPS: N: 34.69093

E: 038.02520

Altitude: 690m asl

Description:

Located on a ridge parallel to Jazal village. The ridge is north-south in the wadi. Several cairns in a row. This cairn is badly preserved, though rather large rocks have been used. The diameter north-south is 4,7m and east-west is 4,7m.

Pictures: 19, 20, 21, 22

Finds: none

Dating: unknown

Cairn 114 & 115 (WP 195 &196)

Surveyed by: ABK, KJH, HMHR, PS

Date: 12.05.2009

Cairn 114 (WP 195) GPS: N: 34.69132

E: 038.02491

Altitude: 705m asl

Cairn 115 (WP 196) GPS: N: 34.69135

E: 038.02488

Altitude: 709m asl

Description:

Found on the same ridge as cairn 113, 50m to the northwest. They are different from 113, as these are not located on the very edge of the hill or ridge, but 10-15m further in. Cairn 114 &115 are less disturbed, and is about 1m high. There is a possible outer circle, that is barely visible. The diameter of cairn 114 is 7,3m north-south, and 7,1m east-west. Cairn 115 has a diameter of 5,4m.

Pictures: 23, 24, 25, 26, 27, 28, 29

Finds: none

Dating: unknown

Cairn 116 (WP 197)

Surveyed by: ABK, KJH, HMHR, PS

Date: 12.05.2009

GPS: N: 34.69254

E: 038.02501

Altitude: 716m asl

Description:

Further north on the same ridge as 113, 114 and 115. Also this cairn seems untouched. The cairn is ca. 1m high, no signs of an outer circle. The diameter of the cairn is 7,0m north-south, and 7,4m east-west.

Pictures: 30, 31, 32, 33, 34, 35

Finds: none

Dating: unknown

Site 117 (WP 198)

Surveyed by: ABK, KJH, HMHR, PS

Date: 12.05.2009

GPS: N: 34.69481

E: 038.02377

Altitude: 722m asl

Description:

Located on the western side of the ridge, facing Jazal village in the west. Poorly preserved and no clear foot chain. Much natural flint as found elsewhere on the ridge. The cairn has a diameter of 5,2m north-south, and 5,2m east-west.

Pictures: 36, 37, 38, 39

Finds: one blade and one flake of flint

Dating: unknown

Cairn 118 (WP 199)

Surveyed by: ABK, KJH, HMHR, PS

Date: 12.05.2009

GPS: N: 34.69569

E: 038.02320

Altitude: 730m asl

Description:

Located on the same ridge as the previous cairns, on the west side of the ridge facing Jazal village. The cairn seems untouched and is about 1m high. There is probably an abutting cairn to the west of the largest one, however this is poorly preserved. Some flints were found in the surroundings. In addition two modern constructions were found in the east, these are probably wind-sheds. The cairn has a diameter of 8,5m north-south, and 8,5m east-west.

Pictures: 40, 41, 42, 43

Finds: 3 flakes of flint, one iron piece – fragment

Dating: unknown

Cairn 120 (WP 148)

Surveyed by: ABK, PS, NA

Date: 07.05.2009

GPS: N: 34.74402

E: 038.07408

Altitude: 1164m asl

Description:

On a high mountain-top with good view over Wadi Abyad to the north, in northeast the southern part of Jebel Merrah is visible. In north and northwest Jebel Shar is visible. To the south Wadi al-Takara and Jebel Jazal Hommoz is visible. To the east the mountains of al-Matna is visible. It is a small low cairn 20-50cm high, circular, and located on a ridge at its highest point. The diameter of the cairn is 5,2m north-south, and 4,5m east-west. Not much is left of the eastern part.

Pictures: 76, 77, 78, 79, 80

Finds: none

Dating: unknown

Cairn 121 (WP 149)

Surveyed by: ABK, PS, NA

Date: 07.05.2009

GPS: N: 34.74373

E: 038.07207

Altitude: 1140m asl

Description:

On a high mountain-top with good view over Wadi Abyad to the north, in northeast the southern part of Jebel Merrah is visible. In north and northwest Jebel Shar is visible. To the south Wadi al-Takara and Jebel Jazal Hommoz is visible. To the east the mountains of al-Matna is visible. It is a small low cairn, located 120m west of cairn 120 down in the middle

between two higher tops along the same ridge. The diameter of the cairn is 4,3m north-south, and 4,8m east-west.

Pictures: 81, 82, 83, 84

Finds: none

Dating: unknown

Cairn 122 & 123 (WP 150 & 151)

Surveyed by: ABK, PS, NA

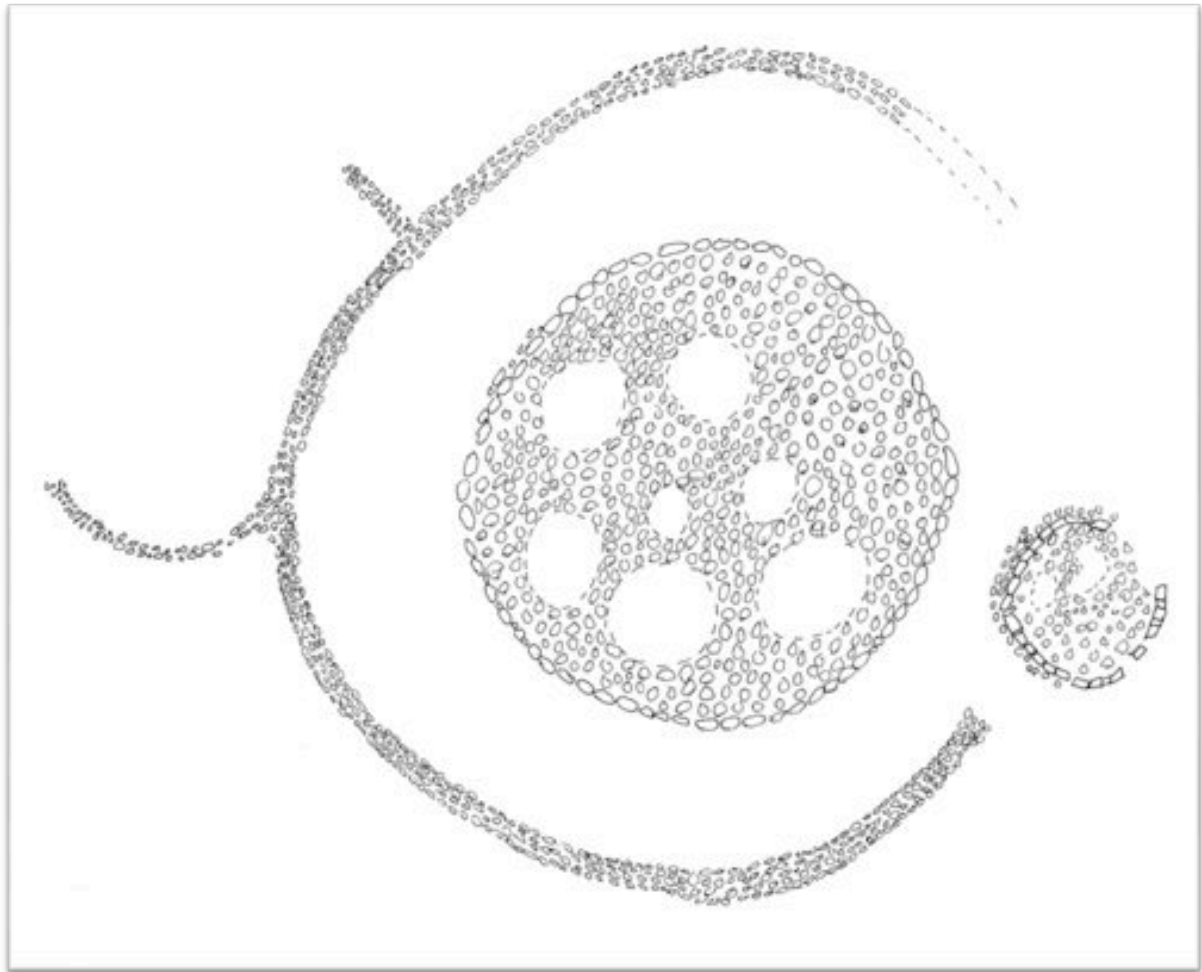
Date: 07.05.2009

Cairn 122 (WP 150) GPS: N: 34.74342
E: 038.07138
Altitude: 1152m asl

Cairn 123 (WP 151) GPS: N: 34.74339
E: 038.07147
Altitude: 1151m asl

Description:

On a high mountain-top with good view over Wadi Abyad to the north, in northeast the southern part of Jebel Merrah is visible. In north and northwest Jebel Shar is visible. To the south Wadi al-Takara and Jebel Jazal Hommoz is visible. To the east the mountains of al-Matna is visible. Good view in all directions. Two cairns are located on the highest point along a ridge, one large (122) with an outer circle and edge stones clearly visible. A smaller cairn (123) was found in the east. To the northwest there seems to be a kind of "arms" stretching out for a few meters. Both cairns are heavily plundered, the largest one has at least seven pits from plundering. Cairn 122 has a diameter of 14m north-south and 14,5m east-west. Cairn 123 has a diameter of 5m north-south and 4,5m east-west.



Pictures: 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95

Finds: none

Dating: unknown

Cairn 124 (WP 152)

Surveyed by: ABK, PS, NA

Date: 07.05.2009

GPS: N: 34.74265

E: 038.06836

Altitude: 1152m asl

Description:

On a high mountain-top, with good view over Wadi Abyad to the north, in northeast the southern part of Jebel Merrah is visible. In north and northwest Jebel Shar is visible. To the south Wadi al-Takara and Jebel Jazal Hommoz is visible. To the east the mountains of al-Matna is visible. It is located west of cairns 122 and 123 on the same mountain ridge. Good view in all directions. The cairn is fairly small, heavily destroyed and reused as shelter. Estimated diameters are in north-south 3,8m and east-west 3,4m.

Pictures: 96, 97, 98, 99

Finds: none

Dating: unknown

Cairn 125 (WP 153)

Surveyed by: ABK, PS, NA

Date: 07.05.2009

GPS: N: 34.73978

E: 038.06333

Altitude: 1021m asl

Description:

Located on the western slope of a wadi valley leading southwards to Jazal. Almost on the watershed to Wadi Abyad. To the south there is a cistern with large catch arms in the bottom of the wadi. Just further up the wadi there is another cistern with similar large catch arms. The cairn is found in a slope, but easily seen from the wadi in north and south. It has been plundered and much collapsed.

Pictures: 100, 101, 102, 103

Finds: none

Dating: unknown

Cairn 126 (WP 154)

Surveyed by: ABK, PS, NA

Date: 07.05.2009

GPS: N: 34.73988

E: 038.06223

Altitude: 1059m asl

Description:

Located on the western slope of a wadi valley leading southwards to Jazal. The cairn is found almost on the watershed towards Wadi Abyad. There are track of a pathway on the opposite side of the wadi (east) in the hillside and wadi bottom leading towards Jazal. It is located c. 100m west of cairn 125 on the same west-east ridge. The cairn is found in a slope, but easily seen from the wadi in north and south. The cairn is circular, but plundered. The diameter north-south is 6,5m and east-west 7,8m.

Pictures: 104, 105, 106

Finds: none

Dating: unknown

Cairn 127 (WP 155)

Surveyed by: ABK, PS, NA

Date: 07.05.2009

GPS: N: 34.73727

E: 038.06022

Altitude: 1052m asl

Description:

Located on the western slope of a wadi valley leading southwards to Jazal. The cairn is found almost on the watershed to Wadi Abyad. There are track of a pathway on the opposite side of the wadi (east) in the hillside and wadi bottom leading towards Jazal. It is located c. 350m southwest of cairn 126, on a small ridge, but easily seen from the wadi in north and south along the wadi. It is circular, but plundered. The diameter north-south is 5,2m, and east-west 5,2m.

Pictures: 107, 108, 109, 110, 111

Finds: none

Dating: unknown

Cairns 128-134 (WP 156-162)

Surveyed by: ABK, PS, NA

Date: 07.05.2009

Cairn 128 (WP 156) GPS: N: 34.74426
E: 038.05892
Altitude: 1160m asl

Cairn 129 (WP 157) GPS: N: 34.74429
E: 038.05897
Altitude: 1160m asl

Cairn 130 (WP 158) GPS: N: 34.74433
E: 038.05889
Altitude: 1164m asl

Cairn 131 (WP 159) GPS: N: 34.74439
E: 038.05879
Altitude: 1166m asl

Cairn 132 (WP 160) GPS: N: 34.74449
E: 038.05866
Altitude: 1164m asl

Cairn 133 (WP 161) GPS: N: 34.74448

E: 038.05861
Altitude: 1163m asl

Cairn 134 (WP 162) GPS: N: 34.74444
E: 038.05862
Altitude: 1163m asl

Description:

On a high mountain-top with good view over Wadi Abyad to the north, in northeast the southern part of Jebel Merrah is visible. In north and northwest Jebel Shar is visible. To the south Wadi al-Takara and Jebel Jazal Hommoz is visible. To the east the mountains of al-Matna is visible. There is great view in all directions. A complex of seven cairns, two large ones (130 and 131), and five medium and small sized cairns. All are heavily plundered, the small and medium ones are in a bad condition and hardly visible. A bead was found 131. Estimated diameter of cairn 128 is 4,8m. Estimated diameter of cairn 129 is 4,0m. The diameter of cairn 130 is north-west 9,6m and east-west 9,6m. Cairn 131 has a diameter of 8m north-south and 7,8m east-west. Estimated diameter of cairn 132 is 4,0m. Estimated diameter of cairn 133 is 4,0m. Estimated diameter of cairn 134 is 3,6m. Just north of cairn 130 and 131 there are several rectangular blocks nicely dressed. To the south there is also a few one with inscriptions. Looking south from the cairns and the mountain top track are visible both to the east and the west heading towards Jazal.

Pictures: 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134

Finds: in cairn 130 one shard of local coarse ware pottery was found and in Cairn 131 one small stone bead and a shard brittle ware pottery was found. Photo: 517-520

Dating: the brittle ware shard is too small to indentify any further, though the local coarse ware shard may tentatively be dated to the roman-byzantine period.

Cairn 135 (WP 176)

Surveyed by: KJH, PS

Date: 05.05.2009

GPS: N: 34.73866

E: 038.13242

Altitude: 1072m asl

Description:

Located on the northern edge of Jebel Abyad overlooking Wadi Abyad valley. A large carin on the mountain ridge between two hill tops. Plundered but well preserved. Diameter north-south is 10,0m and east-west 9,5m.

Pictures: 49, 50, 51, 52, 53, 54, 55

Finds: in Cairn 135 three shards of pottery of local coarse ware and brittle ware

Dating: the shards would tentatively be dated to the early Islamic period

Cairn 136 (WP xxx)

Surveyed by: KJH, PS

Date: 05.05.2009

GPS: N: 34.73664

E: 038.13520

Altitude: 1111m asl

Description:

Located on a hill plateau overlooking the valley of Jebel Abyad and parts of the northern side of Jebel Abyad. This is a rather disturbed medium to small sized cairn. Diameter north-south is 5,7m and east-west 7m.

Pictures: 56, 57, 58, 59, 60, 61

Finds: one limestone pipe and a shard of local coarse ware were found. Photo: 694-697

Dating: the finds may be different from the actual cairn, though the finds are tentatively dated to the early Islamic period.

Cairn 137 (WP 179)

Surveyed by: KJH, PS

Date: 05.05.2009

GPS: N: 34.73825

E: 038.13742

Altitude: 1153m asl

Description:

Located on a hill top mountain chain, on the edge, steep down, good view. Cairns on several hilltops in the vicinity is visible. The cairn is badly preserved, located on the edge of steep slop down to Wadi Abyad. The diameter north-south is 5m, and east-west 5,5m.

Pictures: 62, 63, 64, 65

Finds: none

Dating: unknown

Cairn 138 (WP 170)

Surveyed by: PS

Date: 12.05.09

GPS: N: 34.70091

E: 038.03993

Altitude: 730m asl

Description:

Located close to Jazal, ca. 2km northeast of the village, and west of the wadi. This is a badly preserved cairn, plundered, only a few of the base-stones are remaining. Dimensions north-south is 5m, and east-west 5m.

Pictures: 1, 2, 3

Finds: none

Dating: unknown

Cairn 139 (WP 171)

Surveyed by: PS

Date: 12.05.09

GPS: N: 34.70123

E: 038.03987

Altitude: 756m asl

Description:

Located close to Jazal a small very ruined cairn, with only the base-stones remaining. The diameter of the cairn is 2.6m

Pictures: 4987

Finds: none

Dating: unknown

Cairn 140 (WP 172)

Surveyed by: PS

Date: 12.05.09

GPS: N: 34.69936

E: 038.03746

Altitude: 748m asl

Description: Cairn on western edge of a low ridge with view over the plain to the large wadi by village Jezal. There are some possible traces of a foot chain in the east. Apparently parts of the walls/sides have fallen apart. (There are two corals ca. 100m east of the cairn, at the foot of the hill.) A smaller cairn, 141, is just north of this. Dimensions: N-S 7.5m – to outer wall of the footline ca. 10 m/ E-W 9m (?). Location: Jazal.

Pictures: 4, 5, 6, 7, 13, 14

Finds: none

Dating: unknown

Cairn 141 (WP 173)

Surveyed by: PS

Date: 12.05.09

GPS: N: 34.69942

E: 038.03759

Altitude: 747m asl

Description:

The cairn is found on a western edge of a low ridge with a view over the plain, and the large wadi by Jazal village. There are some possible traces of a foot chain to the S-E. The sides/walls of the cairn has fallen apart. (There are two corals ca. 100m east of the cairn, at the foot of the hill.) A larger cairn, 141, is just south of this. The diameter of the cairn is north-south 4,5m and east-west 5,5m.

Pictures: 8, 9, 10, 11, 12

Finds: none

Dating: unknown

Cairn 142 (WP 174)

Surveyed by: PS

Date: 12.05.09

GPS: N: 34.69706

E: 038.03354

Altitude: 731m asl

Description:

Badly preserved cairn on western edge of ridge with W-view over plain, hills and a large wadi near village Jezal. The diameter is 3.8m.

Pictures: 4988, 4989

Finds: none

Dating: unknown

Cairn 143 (WP 175)

Surveyed by: PS

Date: 12.05.09

GPS: N: 34.69229

E: 038.03106

Altitude: 718m asl

Description:

Located close to Jazal village a possibly a very ruined cairn on N-W end of ridge with W-view over hills with cairn 142. The diameter of the cairn is 4m.

Pictures: 4990, 4991

Finds: none

Dating: unknown

Cairn 144 (WP 176)

Surveyed by: PS

Date: 12.05.09

GPS: N: 34.69204

E: 038.03878

Altitude: 758m asl

Description:

Located 1-1,5km west of Jazal village. Badly preserved cairn on the eastern end of ridge with view both over hills with view N and S. Only the foot chain remains. The diameter is north-south 4,7m, and east-west 4m.

Pictures: 4992, 4993

Finds: none

Dating: unknown

Cairn 145 (WP 180)

Surveyed by: PS

Date: 12.05.09

GPS: N: 34.69190

E: 038.02478

Altitude: 711m asl



Description:

Cairn on the western edge of W-S ridge 500m-1km east of Jezal village. Cairn is ca. 2m high, with only a small collapse on the top. Looks fairly intact. Cairn has an outer footline ca. 2-3 m. from the edge of the cairn. The diameter of the cairn is north-south 9,3m, and east-west 10m. There is 3,5m for the foot of the cairn to the outer circle.

Pictures: 4994, 4995, 4996, 4997, 4998, 4999

Finds: flake and fragments of flint, in addition to a basalt fragment

Dating: unknown

Cairn 146 (WP 181)

Surveyed by: PS

Date: 12.05.09

GPS: N: 34.69216

E: 038.02477

Altitude: 714m asl

Description:

Located close to Jazal a ruined cairn ca 20m north of cairn 145. There are possible traces of an outer foot chain up against cairn 147 to the east. The diameter of the cairn is 5,5m north-south and 5,5m east-west.

Pictures: 5000, 5001, 5002, 5003,

Finds: none

Dating: unknown

Cairn 147 (WP 182)

Surveyed by: PS

Date: 12.05.09

GPS: N: 34.69221

E: 038.02473

Altitude: 712m asl

Description:

Located close to Jazal a ruined cairn ca 20m north of cairn 145. Located just to the west of cairn 146. The diameter is north-south 5,5m and east-west 5,6m.

Pictures: 5004, 5005, 5006, 5007

Finds: none

Dating: unknown

Cairn 148 (WP 183)

Surveyed by: PS

Date: 12.05.09

GPS: N: 34.69693

E: 038.02517

Altitude: 738m asl

Description:

Badly preserved cairn on the east edge of N-S ridge east of Jezal village. The diameter of the cairn is north-south 5,5m and east-west 5m.

Pictures: 5008, 5009, 5010, 5011

Finds: none

Dating: unknown

Cairn 149 (WP 184)

Surveyed by: PS

Date: 12.05.09

GPS: N: 34.69770

E: 038.02517

Altitude: 744m asl

Description:

Badly preserved cairn on the E-N edge of N-S ridge east of Jezal village. Only the foot-chain of stones remains. The diameter of the cairn is north-south 3m and east-west 3m.

Pictures: 5012, 5013, 5014, 5015

Finds: none

Dating: unknown

Cairn 150 (WP 185)

Surveyed by: PS

Date: 12.05.09

GPS: N: 34.69786

E: 038.02525

Altitude: 745m asl

Description:

A cairn found on the E-N edge of N-S ridge east of Jezal village. Ca 10m north of cairn 149. The diameter of the cairn is north-south 5m, and east-west 5m.

Pictures: 5016, 5017, 5018, 5019

Finds: none

Dating: unknown

Cairn 151 (WP 186)

Surveyed by: PS

Date: 12.05.09

GPS: N: 34.69612

E: 038.02391

Altitude: 743m asl

Description:

Badly preserved cairn with only with the foot chain of stones remaining. Located on the middle of N-S ridge east of Jezal village. The diameter of the cairn is 2,7m

Pictures: 5020, 5021, 5022

Finds: two fragments of pottery of brittle ware was found ca 10-15m south of cairn, halfway to cairn 152.

Dating: the shards may tentatively be dated to the early Islamic period, and may be secondary to the actual cairn.

Cairn 153 Bir al-Arfa (WP Christian)

Surveyed by: JCM, EHS, ES, KS

Date:?

GPS: N34.74494
E38.06193

Altitude: ?m asl

Description:

Cairn, found close to another cairn, see description by Christian on Bir al-Arfa

Pictures: none

Finds: stone bead. Photo: 513-516

Dating: unknown

Cairn 154 Al-Koullah (WP Christian, Cairn 382)

Surveyed by: JCM, EHS, ES, KS

Date:?

GPS: N34.67574
E38.14429

Altitude: ?m asl

Description:

See description by Christian, looted. The pottery was found inside the cairn.

Finds: 6 sherds of pottery, possibly identified as plain simple ware. Photo: 758-759.

Dating: plain simple ware may tentatively be dated to EBA IV

Cairn 155 Al-Mazraah (WP Christian, Cairn 341)

Surveyed by: JCM, EHS, ES, KS

Date:?

GPS: N34.68595
E38.18394

Altitude: 892m asl

Description:

See description by Christian, looted. The finds were found in the fill apparently were thrown out of the cairn to the south. Found E and above building B.

Finds: 31 bronze fragments, some of these are clearly from objects, while some seems to be part of the smelting or melting debris. Photo: 761-769

Dating: uncertain, but tempting to date it to the Bronze Age

Cairn 333

Surveyed by: JCM, EHS, ES, KS

Date:?

GPS: N34.68519
E38.18455

Altitude: 918m asl

Description:

Located on top of hill S of a site

Finds: none

Dating: uncertain

Cairns 365

Surveyed by: JCM, EHS, ES, KS

Date:?

GPS: N34.68646
E38.18356

Altitude: 887m asl

Description:

Two cairns, heavily destroyed

Pictures: 0242

Cairns 377

Surveyed by: JCM, EHS, ES, KS

GPS: N34.69189
E38.18441

Altitude: 932m asl

Description:

Two cairns, close to each other, looted and destroyed. Close to the edge of Jebel Abyad, down to Wadi Abyad. Northern cairn, diameter ca. 7 m., southern cairn ca. 6 m.

Photographs: 0283

Finds: none

Dating: uncertain

Cairn 382 (Wadi al-Koullah)

Surveyed by: JCM, EHS, ES, KS

Date: ?

GPS: N34.67574
E38.14429

Altitude: 734m asl

Pictures: 0306-0307

Description:

The cairn is situated on the ridge of the eastern side of the wadi. Diameter of cairn 7 x 7.80 m, but is heavily disturbed.

Finds: Inside the cairn, pottery, fine light red ware. Photo: 0424

Dating: unknown, but the pottery appears to be Plain Simple Ware, which would indicate late EBA

Cairns 438

Surveyed by: JCM, EHS, ES, KS

Date: ?

GPS: N34.69941
E38.08515

Altitude: 791m asl

Pictures: 0353-0354

Description:

Three destroyed cairns at western end of hill, in row orientated E-W.

Finds: none

Cairns 440

Surveyed by: JCM, EHS, ES, KS

Date: ?

GPS: N34.69675
E38.08852

Altitude: 797m asl

Pictures: OCT0803, 09, 14, 20, 0359

Description:

One large (20 m diameter, foot chain) and two small cairns to the north. Located on a hilltop, with good view to the entrance of Wadi al-Masek and the Wadi al-Takara valley.

Finds: none

Dating: uncertain

Cairns 443 and 444

Surveyed by: JCM, EHS, ES, KS

Date: ?

GPS:

Cairn 443: N34.70042
E38.09029

Altitude: 782m asl

Cairn 444: N34.70043
E38.09044

Altitude: 782m asl

Pictures: 0367

Description:

Situated on elevated plain in Wadi al-Takara, N of fort 445

Finds: none

Dating: uncertain

IV. OTHER

a) Cisterns;

Cistern 1 (WP 2)

Surveyed by: ABK, KJH, HMHR, NA

Date: 21.4.2009

GPS: N: 34.64290

E: 038.20076

Altitude: 604 m asl

Description:

Small cistern in the middle of the wadi leading up to the mountain-top of Jebel Maeizilah, a few hundred meters from the wadi outlet. One can almost see the buildings of the agricultural station in Wadi Thakilah. The cistern is located in the middle of the wadi and is now covered. It is probably of recent date, as cement and rocks are found around the cistern.

Pictures: 158, 159, 160, 161

Finds: none

Dating: uncertain, probably recent

Cistern 2 & 3 (WP 031 & 032)

Surveyed by: ABK, KJH, HMHR, NA

Date: 26.04.2009

Cistern 2 (WP 031) GPS: N: 34.64482

E: 038.16208

Altitude: 573m asl

Cistern 3 (WP 032) GPS N: 3466420

E: 038.16228

Altitude: 561m asl



Description:

Located in a small and steep wadi that runs southwards into Wadi Al-Diwa and the plain. There are several small catch-arms further up the wadi, but it is very steep. Just to the south of the cistern there are nice walls of rocks that have been filled with soil as small terraces. The height of the terraces varies between 0,2-1,5m. About 50m further down the wadi Cistern 3 is located, next to it are two mortars, one fairly large with a diameter of c. 0,8m and 0,5m high, the other smaller about 0,4m high and 0,3m wide.

Pictures: 92, 93, 94, 95, 96, 97, 98, 99, 100, 101

Finds: none

Dating: unknown

Cistern 4 (WP 093)

See Site 26 for further details

Cave 1 (WP 017)

Surveyed by: ABK, KJH, HMHR, NA

Date: 23.04.2009

GPS: N: 34.65037

E: 038.18434

Altitude: 717m asl



Description:

Cave located in a steep mountain-side sloping southwards into a small wadi which drains down to Wadi Al-Diwa. The cave is located c. 300 north-northeast of Site 9, crossing the wadi. The opening is large and triangular, and the cave has two openings or holes in the roof. The area slopes gently down-wards also inside the cave, which does not leave much room for habitation. Seasonal water is also flowing through the cave, and the floor therefore also consists of larger rocks and gravel. Now, there were much sheep and goat dung inside the cave, in addition to several small and recent fireplaces. Probably not used in prehistory or early historical periods. Not very suited for habitation.

Pictures: 7, 8, 9, 10, 11, 12,

Finds: one shard of red fine ware from the slope outside the cave. The shard is most probably connected to the early Islamic period.

Dating: unknown

Cave 2 (WP), northern part of Jebel Merrah

Surveyed by: ABK, JCM, EHS, JK, NA

Date: april 2008

GPS: N:

E:

The site was briefly visited in April 2008 when 4 blades and 4 flakes were collected. Photo: 756-757. The cave will be more extensively documented in 2010.

Kite 1 (WP), northern part of Jebel Merrah

Surveyed by: ABK, JCM, EHS, JK, NA

Date: april 2008

GPS: N:

E:

The kite was briefly visited in April 2008 when 1 almost cylindrical core was found just at the entrance to the kite where the fences meet. Photo: 654-655. The kite will be more extensively documented in 2010.

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Bergen, Norway 27.11.2009

APPENDIX 1: PHOTO LIST OF SITES

No.	dircetion towards	site	date
165	S	Rockshelter 1	21-04-09
166	S	Rockshelter 1	21-04-09
167	S	Rockshelter 1	21-04-09
168	E	Rockshelter 1	21-04-09
169	E	Rockshelter 1	21-04-09
170	E	Rockshelter 1	21-04-09
171	S	Rockshelter 1, view above the rockshelter	21-04-09
172	W	Rockshelter 1	21-04-09
173	W	Rockshelter 1	21-04-09
174	W	Rockshelter 1	21-04-09
10	E	Rockshelter 2	22-04-09
11	E	Rockshelter 2	22-04-09
12	SE	Rockshelter 2	22-04-09
13	SE	Rockshelter 2	22-04-09
14	SE	Rockshelter 2	22-04-09
15	SE	Rockshelter 2	22-04-09
16	NV	Rockshelter 2	22-04-09
17	NV	Rockshelter 2	22-04-09
18	NV	Rockshelter 2	22-04-09
23	S	Rockshelter 2, view towards south	22-04-09
24	S	Rockshelter 2, view towards south	22-04-09
25	S	Rockshelter 2, view towards south	22-04-09
35	N	Rockshelter 3	22-04-09
36	N	Rockshelter 3	22-04-09
37	NW	Rockshelter 3	22-04-09
38	NW	Rockshelter 3	22-04-09
39	SW	Rockshelter 4	22-04-09
40	SW	Rockshelter 4	22-04-09
41	NW	Rockshelter 4	22-04-09
42	NW	Rockshelter 4	22-04-09
43	NW	Rockshelter 4	22-04-09
16	W	Rockshelter 5	23-04-09
17	W	Rockshelter 5	23-04-09
18	NE	Rockshelter 5	23-04-09
19	NW	Rockshelter 5	23-04-09
20	NW	Rockshelter 5	23-04-09
180	SW	Site 1	21-04-09
185	SSE	Site 2	21-04-09
186	SSE	Site 2	21-04-09
187	S	Site 3	21-04-09
188	S	Site 3	21-04-09
190	S	Site 3	21-04-09
191	S	Site 3	21-04-09
193	SSE	Site 4	21-04-09
194	SSE	Site 4	21-04-09

197		Site 5	21-04-09
198		Site 5	21-04-09
199		Site 5	21-04-09
200		Site 5	21-04-09
201		Site 5	21-04-09
202		Site 5	21-04-09
1	S	Site 6	22-04-09
2	S	Site 6	22-04-09
8	NV	Site 7	22-04-09
13	SW	Site 8	23-04-09
14	SW	Site 8	23-04-09
15	NE	Site 8	23-04-09
1	N	Site 9	23-04-09
2	N	Site 9	23-04-09
3	N	Site 9	23-04-09
4	W	Site 9	23-04-09
5	W	Site 9	23-04-09
6	SE	Site 9	23-04-09
30	SE	Site 9	22-04-09
31	SE	Site 9	22-04-09
32	SE	Site 9	22-04-09
21	S	Site 10	23-04-09
22	S	Site 10	23-04-09
23	E	Site 10	23-04-09
24	W	Site 10	23-04-09
7	N	Cave 1	23-04-09
8	N	Cave 1	23-04-09
9	N	Cave 1	23-04-09
10	S	Cave 1	23-04-09
11	S	Cave 1	23-04-09
12	S	Cave 1	23-04-09
33	NE	Cave 1	22-04-09
34	NE	Cave 1	22-04-09
25	N	Cairn 1	25-04-09
26	E	Cairn 1	25-04-09
27	S	Cairn 1	25-04-09
28	NW	SE corner of Cairn 1	25-04-09
29	N	S corner of Cairn 1	25-04-09
30	N	Site 11, arrowhead	25-04-09
31	E	Site 11, arrowhead, view of hill looking east	25-04-09
32	E	Site 11, arrowhead, view of hill looking east	25-04-09
33	closeup	Site 12, discoid	25-04-09
34	closeup	Site 12, discoid	25-04-09
35	E	Site 12, discoid	25-04-09
38	NE	Cairn 2	25-04-09
39	W	Cairn 2	25-04-09
40	S	Cairn 2	25-04-09

41	SW	Cairn 3	25-04-09
42	SE	Cairn 3	25-04-09
43	E	Cairn 3	25-04-09
44	N	Cairn 3	25-04-09
45	W	Cairn 4	25-04-09
46	W	Cairn 4	25-04-09
47	S	Cairn 4	25-04-09
48	S	Cairn 4	25-04-09
49	E	Cairn 4	25-04-09
50	E	Cairn 4	25-04-09
51	N	Cairn 4	25-04-09
52	N	Cairn 4	25-04-09
63	W	Cairn 5	25-04-09
64	S	Cairn 5	25-04-09
65	NW	Cairn 5	25-04-09
66	NW	Cairn 5	25-04-09
67	NE	Cairn 5	25-04-09
68	inside	Cairn 5	25-04-09
69	inside	Cairn 5	25-04-09
70	W	Cairn 7	25-04-09
71	S	Cairn 7	25-04-09
72	S	Cairn 7 & 6	25-04-09
73	E	Cairn 7	25-04-09
74	ESE	Cairn 7	25-04-09
75	ESE	Cairn 7	25-04-09
76	NE	Cairn 7 & 6	25-04-09
77	NE	Cairn 6	25-04-09
78	NE	Cairn 6	25-04-09
79	W	Site 13	26-04-09
80	W	Site 13	26-04-09
81	N	Site 13	26-04-09
82	NE	Site 13	26-04-09
83	NE	Site 13	26-04-09
84	SE	Site 13	26-04-09
85	E	Site 13	26-04-09
86	SE	Site 13	26-04-09
87	S	Site 13	26-04-09
88	S	Site 13	26-04-09
89	S	Cairn 8	26-04-09
90	N	Cairn 8	26-04-09
91	W	Cairn 8	26-04-09
92	S	Cistern 2 & 3	26-04-09
93	S	Cistern 2	26-04-09
94	E	Cistern 2	26-04-09
97	N	Cistern 2	26-04-09
98	N	Cistern 2 & 3	26-04-09
99	N	Cistern 2	26-04-09
100	NW	Cistern 2	26-04-09
101	W	Cistern 2	26-04-09
102	E	Rockshelter 6	26-04-09

103	E	Rockshelter 6	26-04-09
104	E	Rockshelter 6	26-04-09
105	E	Rockshelter 6	26-04-09
106	SE	Rockshelter 6	26-04-09
107	E	Rockshelter 7	26-04-09
108	E	Rockshelter 7	26-04-09
109	SW	Rockshelter 7	26-04-09
110	SW	Rockshelter 7	26-04-09
111	SW	Rockshelter 7	26-04-09
112	NE	Rockshelter 7	26-04-09
113	NE	Rockshelter 7	26-04-09
118	SW	Site, 14 corral	27-04-09
119	SW	Site, 14 corral	27-04-09
120	SW	Site, 14 corral	27-04-09
127	detail	Site 15, rockshelter 8, arrowhead	27-04-09
128	detail	Site 15, rockshelter 8, arrowhead	27-04-09
129	detail	Site 15, rockshelter 8, arrowhead	27-04-09
130	N	Site 15, rockshelter 8	27-04-09
131	N	Site 15, rockshelter 8	27-04-09
132	N	Site 15, rockshelter 8	27-04-09
133	W	Site 15, rockshelter 8	27-04-09
134	SW	Site 15, rockshelter 8	27-04-09
135	N	Rockshelter 9	27-04-09
136	NE	Rockshelter 9	27-04-09
137	NE	Rockshelter 9	27-04-09
138	W	Rockshelter 9	27-04-09
139	E	Rockshelter 9	27-04-09
140	E	Rockshelter 9	27-04-09
141	SE	view from rockshelter	27-04-09
142	S	Site 16	27-04-09
143	S	Site 16	27-04-09
150	SW	Site 16	27-04-09
156	detail	Site 16	27-04-09
151	S	Site 17	27-04-09
152	S	Site 17	27-04-09
153	W	Site 18	27-04-09
154	W	Site 18	27-04-09
155	W	Site 18	27-04-09
157	SW	Site 19	27-04-09
158	SW	Site 19	27-04-09
171	S	Site 20	27-04-09
172	W	Site 20	27-04-09
173	N	Site 20	27-04-09
174	E	Site 20	27-04-09
114	E	Cairn 9, from distance	27-04-09
115	E	Cairn 9, from distance	27-04-09
175	E	Cairn 9, from distance	27-04-09
176	E	Cairn 9, from distance	27-04-09

177	N	Cairn 9	27-04-09
178	NW	Cairn 9	27-04-09
179	NW	Cairn 9	27-04-09
180	NW	Cairn 9	27-04-09
181	NW	Cairn 9	27-04-09
182	W	Cairn 9	27-04-09
183	S	Cairn 9	27-04-09
184	S	Cairn 9, inside	27-04-09
185	S	Cairn 10	27-04-09
186	S	Cairn 10	27-04-09
187	S	Cairn 10	27-04-09
188	SE	Cairn 10	27-04-09
189	S	Cairn 11	27-04-09
190	S	Cairn 12 & 13	29-04-09
191	E	Cairn 12	29-04-09
192	E	Cairn 13	29-04-09
193	E	Cairn 14	29-04-09
194	E	Cairn 14	29-04-09
195	N	Cairn 14	29-04-09
196	N	Cairn 13	29-04-09
197	NW	wall	29-04-09
198	S	wall & cairn 15	29-04-09
199	S	wall & cairn 15	29-04-09
200	NW	Cairn 15	29-04-09
201	NW	Cairn 15	29-04-09
202	NW	Cairn 16	29-04-09
203	S	Cairn 16	29-04-09
204	S	Cairn 16, 12, 13	29-04-09
205	E	Cairn 16	29-04-09
206	E	Cairn 12, foot chain	29-04-09
207	E	Cairn 12, foot chain	29-04-09
208	S	Cairn 12	29-04-09
209	N	Cairn 12	29-04-09
210	S	Cairn 13, chamber 1	29-04-09
211	S	Cairn 13, chamber 1	29-04-09
212	E	Cairn 13, chamber 1 & 2	29-04-09
213	N	Cairn 13, chamber 1 & 2	29-04-09
214	SE	Site 23, corral	29-04-09
215	SE	Site 23, corral	29-04-09
216	SE	Site 23, corral	29-04-09
221	S	Cairn 17	29-04-09
222	NW	Cairn 17	29-04-09
223	N	Cairn 18	29-04-09
224	N	Cairn 18	29-04-09
225	E	Cairn 19	29-04-09
226	E	Cairn 19	29-04-09
227	W	Cairn 19	29-04-09
228	W	Cairn 19	29-04-09
229	NW	Cairn 20	29-04-09
230	NW	Cairn 20	29-04-09
231	SW	Cairn 20	29-04-09
232	W	Cairn 21	29-04-09
233	N	Cairn 21	29-04-09
234	N	Cairn 21	29-04-09
235	W	Cairn 21, foot chain	29-04-09

236	S	Cairn 21, foot chain	29-04-09
237	SE	Cairn 21	29-04-09
238	SE	Cairn 21	29-04-09
239	SE	Cairn 22	29-04-09
240	SE	Cairn 22	29-04-09
241	W	Cairn 22	29-04-09
242	NW	Cairn 22	29-04-09
243	NW	Cairn 23	29-04-09
244	NW	Cairn 23	29-04-09
245	E	Cairn 23	29-04-09
246	E	Cairn 23	29-04-09
247	E	Cairn 24	29-04-09
248	N	Cairn 24	29-04-09
249	S	Cairn 24	29-04-09
253	SE	Cairn 25	29-04-09
254	SE	Cairn 25	29-04-09
255	S	Cairn 25	29-04-09
256	SW	Cairn 25	29-04-09
257	W	Cairn 25	29-04-09
258	W	Cairn 26	29-04-09
259	NE	Cairn 26	29-04-09
260	NE	Cairn 26	29-04-09
261	E	Cairn 26	29-04-09
262	SE	Cairn 26	29-04-09
263	SE	Cairn 26	29-04-09
264	NW	Cairn 27	29-04-09
265	N	Cairn 27	29-04-09
266	NE	Cairn 27	29-04-09
267	SE	Cairn 27, foot chain	29-04-09
268	E	Cairn 27	29-04-09
269	S	Cairn 27	29-04-09
270	S	Site 24, corral	29-04-09
271	W	Site 24, corral	29-04-09
272	N	Site 24, corral	29-04-09
273	E	Site 24, corral	29-04-09
274	S	Site 24, corral	29-04-09
275	S	Site 24, corral	29-04-09
276	NE	Cairn 28	29-04-09
277	E	Cairn 28	29-04-09
278	S	Cairn 28	29-04-09
279	S	Cairn 28	29-04-09
280	SW	Cairn 28	29-04-09
281	S	Cairn 29	29-04-09
282	S	Cairn 29	29-04-09
283	NW	Cairn 29	29-04-09
284	NE	Cairn 29	29-04-09
285	NE	Cairn 29	29-04-09
286		Cupmark stone, Cairn 29	29-04-09
287		Cupmark stone, Cairn 29	29-04-09
288		Cupmark stone, Cairn 29	29-04-09
299	NW	Site 25, Cairn 30 &31	30-04-09

300	NE	Site 25, stuctures - flowerllike	30-04-09
301	NE	Site 25, stuctures - flowerllike	30-04-09
302	NE	Site 25, stuctures - flowerllike	30-04-09
303	NE	Site 25, stuctures - flowerllike	30-04-09
304	NE	Site 25, stuctures - flowerllike	30-04-09
305	NE	Site 25, fence?	30-04-09
306	N	Cairn 30 & 31	30-04-09
307	NE	Cairn 30	30-04-09
308	NE	Cairn 30	30-04-09
309	NE	Structure, rest of cairn 30	30-04-09
310	S	Cairn 30	30-04-09
311	W	Cairn 31	30-04-09
312	E	Cairn 31	30-04-09
313	E	Cairn 31	30-04-09
314	SE	Site, 25 "tracks"	30-04-09
315	SE	Site, 25 "tracks"	30-04-09
316	S	Site, 25 "tracks"	30-04-09
317	S	Cairn 31	30-04-09
323	SE	view towards site 25 along the wadi	30-04-09
324	SW	view towards site 25 along the wadi	30-04-09
318	NE	Cairn 32	30-04-09
319	E	Cairn 32	30-04-09
320	S	Cairn 32	30-04-09
321	W	Cairn 32	30-04-09
322	NE	Cairn 32	30-04-09
325	S	Cairn 33	30-04-09
326	N	Cairn 33	30-04-09
327	NE	Cairn 33	30-04-09
328	N	Cairn 33	30-04-09
329	E	Cairn 33	30-04-09
330	S	cairn 39	30-04-09
331	W	cairn 39	30-04-09
332	S	cairn 40	30-04-09
333	S	cairn 40	30-04-09
334	W	cairn 40	30-04-09
335	W	cairn 40	30-04-09
336	E	view from cairn 40	30-04-09
337	S	view from cairn 40	30-04-09
338	W	view from cairn 40	30-04-09
339	NW	view from cairn 40	30-04-09
340	N	view from cairn 40	30-04-09
341	NE	view from cairn 40, corral nw	30-04-09
342	NW	cairn 34, 35 & 36	30-04-09
343	NW	cairn 34	30-04-09
344	S	cairn 34	30-04-09
345	S	cairn 34	30-04-09
346	S	cairn 35	30-04-09
347	S	cairn 35	30-04-09
348	S	cairn 36	30-04-09
349	S	cairn 36	30-04-09
350	NE	cairn 36	30-04-09
351	NE	cairn 36	30-04-09
352	NW	cairn 37	30-04-09
353	NW	cairn 37	30-04-09

354	NE	structure A	30-04-09
355	NE	structure A	30-04-09
356	NW	structure A	30-04-09
357	NE	cairn 38	30-04-09
358	NE	cairn 38	30-04-09
359	N	cairn 38	30-04-09
360	N	cairn 38	30-04-09
361	N	cairn 38	30-04-09
362	NE	structure B	30-04-09
363	NW	structure B	30-04-09
364	NW	structure B	30-04-09
365	NE	cairn 41	30-04-09
366	NE	cairn 41	30-04-09
367	S	cairn 41	30-04-09
368	S	cairn 41	30-04-09
369	E	cairn 42	30-04-09
370	E	cairn 42	30-04-09
371	N	cairn 42	30-04-09
372		cairn 43	30-04-09
373		cairn 43	30-04-09
374	NW	cairn 43	30-04-09
375	NW	cairn 43	30-04-09
376	SE	cairn 44	30-04-09
377	SE	cairn 44	30-04-09
378	NE	cairn 44	30-04-09
379	NE	cairn 44	30-04-09
380	N	cairn 41 + wall	30-04-09
381	N	cairn 42 + wall	30-04-09
382	N	cairn 42 + wall	30-04-09
383	NW	cairn 41, 42,43, 44 + walls	30-04-09
384	NW	cairn 41, 42,43, 44 + walls	30-04-09
385	SW	walls from cairn 42	30-04-09
386	NW	view from cairn 42	30-04-09
387	N	view from cairn 42	30-04-09
388	NE	view from cairn 42	30-04-09
389	E	view from cairn 42	30-04-09
390	N	Cairn 46	02-05-09
391	E	Cairn 46	02-05-09
392	S	Cairn 46	02-05-09
393	S	Cairn 46	02-05-09
394	S	Cairn 46	02-05-09
395	W	Cairn 46	02-05-09
396	W	Cairn 46	02-05-09
397	S	Cairn 47	02-05-09
398	E	Cairn 47	02-05-09
399	N	Cairn 47	02-05-09
400	W	Cairn 47	02-05-09
401		Site 25, rock cut tombs	02-05-09
402		Site 25, rock cut tombs	02-05-09
403		Site 25, rock cut tombs	02-05-09
404		Site 25, rock cut tombs	02-05-09
405		Site 25, rock cut tombs	02-05-09
406		Site 25, rock cut tombs	02-05-09
407		Site 25, rock cut tombs	02-05-09

408		Site 25, rock cut tombs	02-05-09
409		Site 25, rock cut tombs	02-05-09
410		Site 25, rock cut tombs	02-05-09
411		Site 25, rock cut tombs	02-05-09
412		Site 25, rock cut tombs	02-05-09
413		Site 25, rock cut tombs	02-05-09
414		Site 25, rock cut tombs	02-05-09
415		Site 25, rock cut tombs	02-05-09
416		Site 25, rock cut tombs	02-05-09
417		Site 25, rock cut tombs	02-05-09
418		Site 25, rock cut tombs, tomb 1	02-05-09
419		Site 25, rock cut tombs, tomb 2	02-05-09
420		Site 25, rock cut tombs, tomb 3	02-05-09
421		Site 25, rock cut tombs, tomb 2 & 3	02-05-09
422		Site 25, rock cut tombs, tomb 4	02-05-09
423		Site 25, rock cut tombs, tomb 5	02-05-09
424		Site 25, rock cut tombs, tomb 5	02-05-09
425		Site 25, rock cut tombs, tomb 6	02-05-09
426		Site 25, rock cut tombs, tomb 6	02-05-09
427		Site 25, rock cut tombs, tomb 6	02-05-09
428	SW	down wadi	02-05-09
429	S	Squared structure	02-05-09
430	NE	Site 25	02-05-09
431		cistern 4	02-05-09
432		cistern 4	02-05-09
433		cistern 4	02-05-09
434	S	Cairn 47	02-05-09
435	E	Cairn 47	02-05-09
436	E	Cairn 47	02-05-09
437	N	Cairn 47	02-05-09
438	N	Cairn 47	02-05-09
439	W	Cairn 47	02-05-09
440	W	Cairn 47	02-05-09
469	W	Cairn 49, chamber	02-05-09
470	W	Cairn 49, chamber	02-05-09
471	E	Cairn 49	02-05-09
472	E	Cairn 49	02-05-09
472	N	Cairn 49	02-05-09
474	N	Cairn 49	02-05-09
475	S	Cairn 49	02-05-09
476	S	Cairn 49	02-05-09
5001	N	Carin 50, looking towards wadi Abyyad	02-05-09
5002	N	Carin 50	02-05-09
5003	S	Carin 50	02-05-09
5004	W	Carin 50	02-05-09
5005	E	Carin 50	02-05-09
5006	E	Cairn 51	02-05-09
5007	N	Cairn 51	02-05-09
5008	S	Cairn 51	02-05-09
5009	N	Cairn 50, reused Bedouin grave	02-05-09
5010	W	Cairn 51	02-05-09
482	W	cairn 52	02-05-09
483	S	cairn 52	02-05-09
484	E	cairn 52	02-05-09

485	N	cairn 52	02-05-09
486	NW	view from the cairns	02-05-09
487	E	cairn 53	02-05-09
488	S	cairn 53	02-05-09
489	W	cairn 53	02-05-09
490	N	cairn 53	02-05-09
494	N	cairn 52 & 53	02-05-09
495	N	cairn 52 & 53	02-05-09
498	N	Rockshelter 11	03-05-09
499	SE	Rockshelter 11	03-05-09
500	N	Rockshelter 11	03-05-09
501	N	Rockshelter 11	03-05-09
502	NW	Rockshelter 11	03-05-09
503	NW	Rockshelter 11	03-05-09
504	S	Rockshelter 12	03-05-09
505	N	Rockshelter 12	03-05-09
506	N	Rockshelter 12	03-05-09
507	SW	Rockshelter 12	03-05-09
508	S	Rockshelter 12	03-05-09
509	S	Rockshelter 12	03-05-09
510	S	Rockshelter 12	03-05-09
511	W	Rockshelter 12	03-05-09
512	W	Rockshelter 12	03-05-09
513	NW	Rockshelter 12	03-05-09
514	NW	Rockshelter 12 & 11	03-05-09
515	NW	Rockshelter 12 & 11	03-05-09
519	N	Rockshelter 14	03-05-09
520	N	Rockshelter 14	03-05-09
521	N	Rockshelter 14	03-05-09
522	NE	Rockshelter 14	03-05-09
523	NE	Rockshelter 14	03-05-09
524	E	Rockshelter 14	03-05-09
525	E	Rockshelter 14	03-05-09
526	N	Rockshelter 14	03-05-09
527	N	Rockshelter 14	03-05-09
528	SW	cairn 54	03-05-09
529	SW	cairn 54	03-05-09
530	W	cairn 54	03-05-09
531	N	cairn 54	03-05-09
532	N	cairn 54	03-05-09
533	E	cairn 54	03-05-09
534	E	cairn 54	03-05-09
535	S	cairn 54	03-05-09
536	S	cairn 54	03-05-09
537	SW	cairn 55	03-05-09
538	SW	cairn 55	03-05-09
539	E	cairn 55	03-05-09
540	E	cairn 55	03-05-09
541	S	cairn 55, foot chain	03-05-09
542	NE	cairn 56	03-05-09
543	S	cairn 56	03-05-09
544	SE	cairn 57	03-05-09
545	NW	cairn 57	03-05-09
546		cairn 54-57	03-05-09

547		cairn 54-57	03-05-09
548	SW	wall	03-05-09
549	N	wall	03-05-09
550	N	wall	03-05-09
551	SE	cairn 54-57	03-05-09
552	SE	cairn 54-57	03-05-09
553		cairn 55	03-05-09
554	N	Rockshelter 15	03-05-09
555	N	Rockshelter 15	03-05-09
556	W	Rockshelter 15	03-05-09
557	S	Rockshelter 15	03-05-09
558	S	Rockshelter 15	03-05-09
559	N	Site 26	03-05-09
560	NW	Site 26	03-05-09
568	W	cairn 58	03-05-09
569	W	cairn 58	03-05-09
570	W	cairn 58	03-05-09
571	S	cairn 58	03-05-09
572	E	cairn 58	03-05-09
573	N	cairn 58	03-05-09
574	SW	cairn 58	03-05-09
575	E	inside cairn 58	03-05-09
576	W	inside cairn 58	03-05-09
577	W	cairn 59	03-05-09
578	E	cairn 59	03-05-09
579	N	cairn 59	03-05-09
580	N	cairn 60	03-05-09
581	W	cairn 60	03-05-09
582	S	cairn 60	03-05-09
583	E	cairn 60	03-05-09
584	E	cairn 60	03-05-09
602	S	view of Jazal well	05-05-09
603	S	view of Jazal well, closeup	05-05-09
604	N	cairn 61	05-05-09
605	E	cairn 61	05-05-09
606	W	cairn 61	05-05-09
607	E	cairn 62, part of 61 to the right	05-05-09
608	S	cairn 62, in the background 61	05-05-09
609	W	cairn 62	05-05-09
610	N	cairn 63	05-05-09
611	E	cairn 63	05-05-09
612	S	cairn 63, in the background 62 & 61	05-05-09
613	W	cairn 63	05-05-09
614	N	cairn 64	05-05-09
615	E	cairn 64	05-05-09
616	S	cairn 64	05-05-09
617	W	cairn 64	05-05-09
618	N	cairn 65, in the background view towards the valley	05-05-09
619	E	cairn 65, in front of the road	05-05-09
620	S	cairn 65	05-05-09
621	W	cairn 65	05-05-09
622	S	the row of cairns from 64	05-05-09
623	N	the row of cairns from 62	05-05-09

624	N	the row of cairns from 61	05-05-09
625	E	the view from cairn 61 towards the valley	05-05-09
626	N	cairn 66	05-05-09
627	E	cairn 66 & 67, 66 to the right	05-05-09
628	S	cairn 67	05-05-09
629	W	cairn 66 & 67, 67 to the right	05-05-09
630	N	view towards the black mountain, 67 in front	05-05-09
631	N	view towards cairns of the black mountain	05-05-09
632	N	cairn 68	05-05-09
633	E	cairn 68	05-05-09
634	S	cairn 68	05-05-09
635	W	cairn 68	05-05-09
636	N	cairn 69	05-05-09
1	E	cairn 69 in front the road	05-05-09
2	S	cairn 69	05-05-09
3	W	cairn 69	05-05-09
4		lizard in rockshelter	05-05-09
5	N	cairn 70 & 71, 70 to the right	05-05-09
6	N	cairn 70 & 71, 70 to the right	05-05-09
7	E	cairn 71, in the background 70	05-05-09
8	S	cairn 70 & 71, 71 to the right	05-05-09
9	SW	structure A	05-05-09
10	E	structure A	05-05-09
11	W	structure A	05-05-09
12	W	cairn 70, modern rockshelter abutted to the E of the cairn	05-05-09
13	N	cairn 72	05-05-09
14	E	cairn 72	05-05-09
15	S	cairn 72	05-05-09
16	W	cairn 72	05-05-09
17	W	view from cairn 72	05-05-09
18	N	view from cairn 72, towards Jebel Abyyad	05-05-09
19	E	view from cairn 72	05-05-09
20	S	view from cairn 72	05-05-09
21	N	cairn 73	05-05-09
22	E	cairn 73	05-05-09
23	S	cairn 73	05-05-09
24	W	cairn 73	05-05-09
25	NW	view towards mountain ridge	05-05-09
26	NW	view towards mountain ridge	05-05-09
27	NW	cairn 74, next hilltop of mountain ridge	05-05-09
28	SE	cairn 74, in the background black mountain	05-05-09
29	S	cairn 74	05-05-09
30	N	cairn 75	05-05-09
31	E	cairn 75	05-05-09
32	S	cairn 75	05-05-09
33	S	cairn 75	05-05-09
34	E	cairn 75, the collapsed cist	05-05-09
35	N	cairn 76	05-05-09
36	E	cairn 76	05-05-09
37	S	cairn 76	05-05-09

38	E	cairn 76, view of the black mountain ridge	05-05-09
1	S	the outer circle of the western part of cairn 77	05-05-09
2	N	cairn 77	05-05-09
3	E	cairn 77	05-05-09
4	S	cairn 77	05-05-09
5	N	cairn 78, on top there is a geographic point	05-05-09
6	S	cairn 78, on top there is a geographic point	05-05-09
7	N	cairn 79	05-05-09
8	W	cairn 79, the other cairns in the background	05-05-09
9	N	structure B	05-05-09
10	S	structure B	05-05-09
11	S	view of Jazal from hill ridge	05-05-09
1	E	cairn 80	06-05-09
2	S	cairn 80	06-05-09
3	W	cairn 80	06-05-09
4	N	cairn 80	06-05-09
5	N	view towards shallalah	06-05-09
6	N	cairn 81	06-05-09
7	W	cairn 81	06-05-09
8	S	cairn 81, entrance	06-05-09
9	S	cairn 81, entrance	06-05-09
10	E	cairn 81	06-05-09
11	N	cairn 82	06-05-09
12	W	cairn 82	06-05-09
13	S	cairn 82	06-05-09
14	E	cairn 82	06-05-09
15	S	chamber cairn 82	06-05-09
16	S	chamber cairn 82	06-05-09
17	N	chamber cairn 82	06-05-09
h	N	chamber cairn 82	06-05-09
19	N	cairn 83	06-05-09
20	W	cairn 83	06-05-09
21	S	cairn 83	06-05-09
22	E	cairn 83	06-05-09
26	N	cairn 84	06-05-09
27	E	cairn 84	06-05-09
28	S	cairn 84	06-05-09
29	W	cairn 84	06-05-09
30	E	cairn 85	06-05-09
31	N	cairn 85	06-05-09
32	W	cairn 85	06-05-09
33	S	cairn 85	06-05-09
34	E	cairn 86	06-05-09
35	S	cairn 86	06-05-09
36	W	cairn 86	06-05-09
37	N	cairn 86	06-05-09
42	E	view along the ridge cairn 86, 85, 84	06-05-09
38		animal pen, wp 144, along the cliff between 87 and 86-84	06-05-09
39		animal pen, wp 144, along the cliff between 87 and 86-84	06-05-09
40		animal pen, wp 144, along the cliff between 87 and 86-84	06-05-09
41		animal pen, wp 144, along the cliff between 87 and 86-84	06-05-09
43		animal pen, wp 144, along the cliff between 87 and 86-84	06-05-09

44	E	cairn 87	06-05-09
45	S	cairn 87	06-05-09
46	W	cairn 87	06-05-09
47	N	cairn 87	06-05-09
48	N	cairn 88	06-05-09
49	E	cairn 88	06-05-09
50	S	cairn 88	06-05-09
51	N	cairn 89	06-05-09
52	S	cairn 89	06-05-09
53	E	Cairn 88 & 89, and corral view	06-05-09
54	E	Cairn 88 & 89, and corral view	06-05-09
55	E	Cairn 88 & 89, and corral view	06-05-09
56	N	cairn 90	06-05-09
57	W	cairn 90	06-05-09
58	S	cairn 90	06-05-09
59	E	cairn 91	06-05-09
60	S	cairn 91	06-05-09
61	W	cairn 91	06-05-09
62	W	cairn 92	06-05-09
63	N	cairn 92	06-05-09
64	E	cairn 92	06-05-09
65	S	cairn 92	06-05-09
66	S	Cairn 93	06-05-09
67	W	Cairn 93	06-05-09
68	N	Cairn 93	06-05-09
69	S	Cairn 93, and corral	06-05-09
70	S	Cairn 93, and corral	06-05-09
76	E	Cairn 120	07-05-09
77	S	Cairn 120	07-05-09
78	W	Cairn 120	07-05-09
79	N	Cairn 120	07-05-09
80	center	Cairn 120	07-05-09
81	E	Cairn 121	07-05-09
82	N	Cairn 121	07-05-09
83	W	Cairn 121	07-05-09
84	center	Cairn 121	07-05-09
85	E	Cairn 122	07-05-09
86	S	Cairn 122	07-05-09
87	W	Cairn 122	07-05-09
88	W	Cairn 122	07-05-09
89	N	Cairn 122	07-05-09
90	southern part	Cairn 122	07-05-09
91	southern part, edge stones	Cairn 122	07-05-09
92	N	Cairn 123	07-05-09
93	E	Cairn 123	07-05-09

94	N	Cairn 123	07-05-09
95	W	Cairn 123	07-05-09
96	N	Cairn 124	07-05-09
97	W	Cairn 124	07-05-09
98	S	Cairn 124	07-05-09
99	E	Cairn 124	07-05-09
100	N	Cairn 125	07-05-09
101	W	Cairn 125	07-05-09
102	S	Cairn 125	07-05-09
103	E	Cairn 125	07-05-09
104	E	Cairn 126	07-05-09
105	S	Cairn 126	07-05-09
106	N	Cairn 126	07-05-09
107	N	Cairn 127	07-05-09
108	W	Cairn 127	07-05-09
109	S	Cairn 127	07-05-09
110	E	Cairn 127	07-05-09
111	S	view towards south, corral in wadi and Jazal in background	07-05-09
112	E	Cairn 128	07-05-09
113	S	Cairn 128	07-05-09
114	N	Cairn 129	07-05-09
115	S	Cairn 129	07-05-09
116	W	Cairn 130	07-05-09
117	S	Cairn 130	07-05-09
118	E	Cairn 130	07-05-09
119	N	Cairn 130	07-05-09
120	N	Cairn 131	07-05-09
121	W	Cairn 131	07-05-09
122	S	Cairn 131	07-05-09
123	E	Cairn 131	07-05-09
124	NW	Cairn 132	07-05-09
125	NW	Cairn 133	07-05-09
126	S	Cairn 134	07-05-09
127	NW	Tracks to the west of the cairns 132-134 in the hillside	07-05-09
128	S	Tracks to the east of cairn 130-131 in the hillside	07-05-09
129	W	rectangular blocks by cairn 130-131	07-05-09
130		rectangular blocks by cairn 130-131	07-05-09
131		rectangular blocks by cairn 130-131	07-05-09
132		rectangular blocks by cairn 130-131	07-05-09
133		rectangular blocks by cairn 130-131	07-05-09
134		rectangular blocks by cairn 130-131	07-05-09
135	W	Cairn 94	07-05-09
136	N	Cairn 94	07-05-09
137	E	Cairn 94	07-05-09
138	S	Cairn 94	07-05-09
139	N	Cairn 95	07-05-09
140	W	Cairn 95	07-05-09
141	N	Cairn 95	07-05-09
142	NE	Cairn 96	07-05-09
143	NE	Cairn 97	07-05-09
144	E	Cairn 97	07-05-09
145	S	Cairn 97	07-05-09

146	W	Cairn 97	07-05-09
258	N	cairn 100	07-05-09
259	S	cairn 100	07-05-09
260	E	cairn 100	07-05-09
261	W	cairn 100	07-05-09
262	N	Bedouin camp by the outlet of Wadi Masek from 100	07-05-09
263	E	View towards Wadi Masek from 100	07-05-09
264	N	Cairn 101	07-05-09
265	S	Cairn 101	07-05-09
266	N	Cairn 101	07-05-09
267	W	view towards previously survey cairn	07-05-09
268	E	view on mountain ridge opposite Wadi Masek	07-05-09
272	S	cairn 102	07-05-09
273	E	cairn 102	07-05-09
274	N	cairn 102	07-05-09
275	W	view of the W side of cairn 102 on the edge of the steep mountain	07-05-09
276		robbed larg pit in centre of cairn 102	07-05-09
277		small robbed pitt	07-05-09
278		both pits in cairn 102	07-05-09
279	NW	the opening of the outer circle looking NW	07-05-09
280	S	view of the next top to the south of cairn 102	07-05-09
281	E	view on the mountain chain opposite Wadi Masek	07-05-09
49	S	cairn 135	05-05-09
50	W	cairn 135	05-05-09
51	N	cairn 135	05-05-09
52	E	cairn 135	05-05-09
53	NW	view from cairn 135	05-05-09
54	N	cairn 135, looking N towards valley of Wadi Abyyad	05-05-09
55	NE	large stones forming circular structure, gps 177	05-05-09
56	N	cairn 136	05-05-09
57	E	cairn 136	05-05-09
58	W	cairn 136	05-05-09
59	W	view towards valley wadi Takara on the southern side of Jebel Abyyad	05-05-09
60	NW	view from cairn 136 towards mountain ridge to the north	05-05-09
61	N	view from cairn 136 towards cairn 135	05-05-09
62		cairn 137, and the steep hillside to the right	05-05-09
63		cairn 137	05-05-09
64		view from cairn 137 looking n	05-05-09
65	SW	view from cairn 137 looking sw	05-05-09

APPENDIX 2: ARTEFACT LIST

Art. no.	Site name/no.	Artefact/object	Photo	No.
1\4	Rockshelter 1	bladelet		1
2\4	Rockshelter 1	retouched flake		2
3\4	Rockshelter 1	flake		6
4\4	Rockshelter 1	fragments		5
1.	Rockshelter 2	core fragments	217, 218, 219	8
2.	Rockshelter 2	burins		2
3.	Rockshelter 2	scraper	220, 221, 222	2
4.	Rockshelter 2	blades	223, 224	16
5.	Rockshelter 2	flake		25
6.	Rockshelter 2	fragments		39
1.	Rockshelter 3	corefragment		1
2.	Rockshelter 3	notch		1
3.	Rockshelter 3	reotouched flake		1
4.	Rockshelter 3	blades		9
5.	Rockshelter 3	flake		12
6.	Rockshelter 3	fragments		42
7.	Rockshelter 3	pottery	225, 226, 227, 228	2
1.	Rockshelter 4	arrowhead	229, 230, 231, 232	2
2.	Rockshelter 4	blades	233, 234, 235	13
3.	Rockshelter 4	core fragment		3
4.	Rockshelter 4	flake		13
5.	Rockshelter 4	fragments		34
1.	Rockshelter 5	core fragment		1
2.	Rockshelter 5	blade		1
3.	Rockshelter 5	flake		1
4.	Rockshelter 5	fragments		5
5.	Rockshelter 5	pottery		18
1.	Rockshelter 7	scraper		1
2.	Rockshelter 7	pottery		17
1.	Rockshelter 9	basalt fragment		1
2.	Rockshelter 9	stones	236, 237, 250, 251, 252	10
1.	Cave 1	pottery		1
1.	Cairn 6 & 7	pottery		2
2.	Cairn 6 & 7	bone fragments		6
1.	Cairn 12	bladelet		1
1.	Cairn 33	blade		2
2.	Cairn 33	retouched flake		1
3.	Cairn 33	pottery		1
1.	Site 1	core fragment		1

2.	Site 1	flake		1
3.	Site 1	fragments		3
4.	Site 1	pottery		1
1.	Site 2	core fragment		1
2.	Site 2	scraper	257, 258, 259, 260	3
3.	Site 2	blades	261, 262, 263, 264, 265	5
4.	Site 2	flakes		35
5.	Site 2	fragments		51
6.	Site 2	pottery		
1.	Site 3	core fragment		1
2.	Site 3	blade	254, 255, 256	5
3.	Site 3	retouched flake		3
4.	Site 3	flake		17
5.	Site 3	fragment		21
6.	Site 3	pottery		19
1.	Site 4	core fragments	266, 267, 268, 269, 270, 271	2
2.	Site 4	blade		1
3.	Site 4	flake		5
4.	Site 4	fragments		21
5.	Site 4	pottery		2
1.	Site 5	core		1
2.	Site 5	core fragment		5
3.	Site 5	blades		25
4.	Site 5	flake		39
5.	Site 5	fragments		67
6.	Site 5	pottery		18
1.	Site 6	flake		2
2.	Site 6	pottery		7
1.	Site 7	crested retouched flake		1
2.	Site 7	blade		1
3.	Site 7	flake		14
4.	Site 7	fragment		17
5.	Site 7	pottery		2
1.	Site 8	scraper	275, 276, 277, 278, 279, 280	1
2.	Site 8	blade	272, 273, 274	1
3.	Site 8	flake		2
4.	Site 8	fragments		5
5.	Site 8	stone bead	281, 282, 283	1
6.	Site 8	pottery		16
7.	Site 8	retouched flake	284, 285, 286, 287	1
1.	Site 9	fragment		1
2.	Site 9	pottery		2
1.	Site 10	retouched flake		1
2.	Site 10	blade		1
3.	Site 10	flake		1
4.	Site 10	fragment		6
5.	Site 10	stone bead	288, 289, 290, 291, 292	1
6.	Site 10	pottery		1

1.	Site 11	arrowhead	293, 294, 295, 296, 297, 298, 299	1
1.	Site 12	discoid	300, 301, 302, 303, 304	1
1.	Site 13	blade		7
2.	Site 13	notch		2
3.	Site 13	flake		3
4.	Site 13	fragments		8
5.	Site 13	glass fragment		1
6.	Site 13	iron		2
7.	Site 13	pottery		77
1.	Site 14	retouched flake		1
1.	Rockshelter 14	core fragments		3
2.	Rockshelter 14	blade		1
3.	Rockshelter 14	burins		3
4.	Rockshelter 14	flake		15
5.	Rockshelter 14	fragments		38
6.	Rockshelter 14	pottery		23
1.	Site 15	arrowheads	305-370	9
2.	Site 15	arrowheads	371-374	7
3.	Site 15	core fragments		4
4.	Site 15	scraper	375-376	1
5.	Site 15	retouched flake		1
6.	Site 15	blades	377-378	8
7.	Site 15	flake	382, 383, 384	43
8.	Site 15	fragments	382, 383, 384	98
9.	Site 15	stones	379, 380, 381	3
10.	Site 15	pottery		6
1.	Site 16	arrowheads	385-400, 421-460	14
2.	Site 16	core fragment		1
3.	Site 16	blades	461, 462, 463, 464	95
4.	Site 16	scraper		1
5.	Site 16	stones	465, 466, 467, 468	4
6.	Site 16	flakes		25
7.	Site 16	fragments		42
8.	Site 16	pottery		21
1.	Site 17	flake		1
2.	Site 17	fragment		3
3.	Site 17	pottery		1
1.	Site 18	core fragment		1
2.	Site 18	flake		4
3.	Site 18	fragments		7
4.	Site 18	stone	469, 470, 471, 472	1
1.	Site 19	blades		8
2.	Site 19	flakes		6
3.	Site 19	fragments		17
4.	Site 19	basalt fragment		1
5.	Site 19	pottery		1
1.	Site 20	flake		2

2.	Site 20	pottery		1
1.	Site 21	blade		1
1.	Site 22	sickleblade	473, 474, 475, 476	1
2.	Site 22	pottery		1
1.	Site 23	flake		3
2.	Site 23	pottery		22
1.	Site 25	flake		1
2.	Site 25	pottery		3
1.	Site 26	blade		7
2.	Site 26	flakes		4
3.	Site 26	fragments		7
1.	Rockshelter 11	blade		4
2.	Rockshelter 11	flake		11
3.	Rockshelter 11	fragments		10
4.	Rockshelter 11	basalt fragment		1
5.	Rockshelter 11	pottery		47
1.	Rockshelter 12	arrowhead	477, 478, 479, 480	1
2.	Rockshelter 12	scraper	481, 482, 483, 484	1
3.	Rockshelter 12	core fragments	485, 486	3
4.	Rockshelter 12	core trimming flake		1
5.	Rockshelter 12	blade	487, 488	12
6.	Rockshelter 12	flake		21
7.	Rockshelter 12	fragments		21
1.	Rockshelter 15	arrowhead	489-501	3
2.	Rockshelter 15	core fragments		4
3.	Rockshelter 15	blade		1
4.	Rockshelter 15	flake		2
5.	Rockshelter 15	fragments		12
6.	Rockshelter 15	pottery		
1.	Cairn 34-38	pottery		37
1.	Cairn 39-40	flake		3
2.	Cairn 39-40	iron fragments	686-689	4
3.	Cairn 39-40	wadi pebbles		12
4.	Cairn 39-40	pottery		27
1.	Cairn 50	pottery		12
1.	Cairn 54-57	pottery		12
1.	Cairn 61	retouched flake		1
1.	Cairn 70-72	flake		2
2.	Cairn 70-72	pottery		1
1.	Cairn 94	copper bead	521, 522, 523, 524, 525	1
1.	Cairn 130	pottery		1

1.	Cairn 131	bead	517, 518, 519, 520	1
2.	Cairn 131	pottery		1
1.	Cairn 135	pottery		3
1.	Cairn 136	limestone pipe	694-697	1
2.	Cairn 136	pottery		1
1.	Site 28	handaxe	502, 503, 504, 505, 506	1
1.	Site 29	grindingstone	406, 407, 408	2
2.	Site 29	pottery		3
3.	Site 29	scraper	507, 508	1
4.	Site 29	retouched flake		1
1.	Site 30	core fragment		1
2.	Site 30	retouched flake		2
3.	Site 30	blade		2
4.	Site 30	flake		5
5.	Site 30	fragments		2
1.	Site 32	handaxe	509, 510, 511, 512, 746-749	1
1.	Cairn 117	blade		1
2.	Cairn 117	flake		1
1.	Cairn 118	flake		3
2.	Cairn 118	iron		1
1.	Cairn 145	flake		6
2.	Cairn 145	fragments		5
3.	Cairn 145	basalt		1
1.	Cairn 153	stone bead	513, 514, 515, 516	1
1.	Cairn 151	pottery		2
1.	Cairn 29	stone with cupmarks	401-405	1
1.	Cairn 12	fragment, flint		1
1.	Site 33	drill	754-755	1
2.	Site 33	flakes	754-755	3
1.	Cave 2	blade	756-757	1
2.	Cave 2	blade	756-757	2
3.	Cave 2	blade	756-757	1
4.	Cave 2	blade	756-757	4
1.	Cairn 154	pottery		6
1.	Cairn 155	bronze fragments	761-769	31
1.	Site 34	flakes		4
1.	Site 35	core fragment		1
2.	Site 35	blade fragment		1

1.	Site 36	core fragment		1
2.	Site 36	fragment		1
1.	Site 37	fragment		1
1.	Site 38	blades		2
1.	Site 39	blades	772	9
2.	Site 39	flakes		2
3.	Site 39	fragments		1
1.	Site 40	retouched flake	773-775	1
2.	Site 40	blade		1
3.	Site 40	flake		3
4.	Site 40	fragments		5
1.	Kite 1	core	654-655	1

APPENDIX 3: LIST OF POTTERY

Art. no.	Site	Pottery type	Part	no	Photo	Dating	comments
1.	Rockshelter 3	dark brown reddish fine ware	body and rim	2	698-701	ottomanperiod	two pieces that fits together, seems to be part of a tobacco-pipe, dark in the upper part inside, while the bottom is reddish. Outside decoration along the believed rim (stamp or rolled) and flower like downwards'
1.	Rockshelter 5	brittle ware	handle	2		islamic	one large piece
2.	Rockshelter 5	imported coarse ware	neck	1		roman-byzantine	
3.	Rockshelter 5	brittle ware	fragments	6		roman-byzantine	small
4.	Rockshelter 5	brittle ware	fragments	9		islamic	small, one is black on the interior and exterior, one is black on the exterior
1.	Rockshelter 7	brittle ware	base	1		islamic	
2.	Rockshelter 7	brittle ware	fragments	2		islamic	
3.	Rockshelter 7	brittle ware	fragments	6		roman-byzantine	
4.	Rockshelter 7	local coarse ware	fragments	6		islamic	very small fragments, one possible handle
5.	Rockshelter 7	coarse ware	fragments	1		uncertain	possibly Bronze or Iron age
1.	Cave 1	brittle ware	rim and body	1		islamic	probably part of plate
1.	Cairn 6 & 7	brittle ware	fragment	1		islamic	small
2.	Cairn 6 & 7	local coarse ware	fragment	1		islamic	small
1.	Cairn 33	brittle ware? Imported coarse ware?	handle	1		roman-byzantine	
1.	Site 1	brittle ware	fragment	1		islamic	
1.	Site 2	brittle ware	fragment	1		islamic	
1.	Site 3	brittle ware	handle	2		roman-byzantine	
2.	Site 3	brittle ware	fragment	13		roman-byzantine	very small, one sees to have an impression
3.	Site 3	brittle ware	fragment	1		islamic	
4.	Site 3	local coarse ware	fragment	1		roman-byzantine	
5.	Site 3	brittle ware	handle	1		roman-byzantine	black on both sides
6.	Site 3	dark brown reddish fine ware	rim	1	727-729	ottoman period	fragment of tobacco pipe
1.	Site 4	brittle ware	fragment	2			very small
1.	Site 5	dark brown reddish fine ware	body and rim	1	730-732	ottoman period	one piece, similar to rockshelter 3
2.	Site 5	brittle ware	fragment	1		islamic	very small
3.	Site 5	brittle ware	fragment	8		roman-byzantine	very small
4.	Site 5	local coarse ware	fragment	7		roman-byzantine	one has creamy surface
1.	Site 6	dark brown reddish fine ware	fragment	1	733-734	ottoman period	similar to site 5 and rockshelter 3, tobacco pipe

2.	Site 6	brittle ware	fragment	5		roman-byzantine	very small
3.	Site 6	imported coarse ware	fragment	1		roman-byzantine	
1.	Site 7	local coarse ware	fragment	2		roman-byzantine	one is heavily burnt
1.	Site 8	brittle ware	fragments	11		roman-byzantine	some are very small
2.	Site 8	glazed ware	base	2	735-736	islamic	partly glazed
3.	Site 8	brittle ware	fragments	2		islamic	
1.	Site 9	local coarse ware	fragment	1		roman-byzantine	
2.	Site 9	local coarse ware	handle	1		roman-byzantine	
1.	Site 10	fine red ware	fragment	1		roman-byzantine	small
1.	Site 13	coarse ware	fragments	4	737-738	unknown	balck grits, handmade, very rough
2.	Site 13	local coarse ware	fragments	12		islamic	
3.	Site 13	brittle ware	fragments	5		roman-byzantine	
4.	Site 13	brittle ware	rim	1		roman-byzantine	
5.	Site 13	brittle ware	fragments	29		islamic	
6.	Site 13	brittle ware	rim	3		islamic	
7.	Site 13	brittle ware	decorated fragment	1		islamic	incisions
8.	Site 13	local coarse ware	fragments	14		roman-byzantine	
9.	Site 13	local coarse ware	handle	1		roman-byzantine	
10.	Site 13	local coarse ware	base	1		roman-byzantine	
11.	Site 13	local coarse ware	decorated fragment	1		roman-byzantine	
12.	Site 13	glazed ware	fragments	4		islamic	1 blue glazed ware, 2 red glazed ware, 1 green glazed ware
13.	Site 13	glazed ware	base	1		islamic?	blue glazed ware
1.	Rockshelter 14	reddish coarse ware	fragments	1	707-713	unknown	handmade
2.	Rockshelter 14	local coarse ware	fragments	2		roman-byzantine	
3.	Rockshelter 14	local coarse ware	rim	1		roman-byzantine	
4.	deleted						
5.	Rockshelter 14	brittle ware	rim	2		roman-byzantine	
6.	Rockshelter 14	brittle ware	fragments	10		roman-byzantine	
7.	Rockshelter 14	coarse ware	rim	1	714-718	possibly BA	
8.	Rockshelter 14	coarse ware	fragments	6	714-718	possibly BA	
1.	Site 15	brittle ware	fragments	6		roman-byzantine	small
2.	Site 15	brittle ware	fragments	1		islamic	
1.	Site 16	cream fine ware	fragments	6		roman-byzantine	
2.	Site 16	local coarse ware	fragments	4		islamic	
3.	Site 16	local coarse ware	rim	1		islamic	
4.	Site 16	brittle ware	fragments	7		roman-byzantine	small
5.	Site 16	brittle ware	rim	1		roman-byzantine	
6.	Site 16	coarse dark red ware	fragments	2		iron age?	porous
1.	Site 17	red glazed ware	fragment	1	739		
1.	Site 19	brittle ware	fragment	1		islamic	small
1.	Site 20	brittle ware	rim	1		islamic	

1.	Site 22	local coarse ware	base	1		islamic	
1.	Site 23	brittle ware	rim	2		islamic	
2.	Site 23	brittle ware	handle	2		islamic	
3.	Site 23	brittle ware	fragments	3		roman-byzantine	small
4.	Site 23	brittle ware	fragments	1		roman-byzantine	
5.	Site 23	local coarse ware	handle	1		roman-byzantine	
6.	Site 23	local coarse ware	fragments	14		roman-byzantine	
1.	Site 25	coarse ware	fragments	1		EBA?	possibly plain simple ware
1.	Rockshelter 11	brittle ware	handle	2		roman-byzantine	one is large
2.	Rockshelter 11	brittle ware	rim	1		roman-byzantine	
3.	Rockshelter 11	brittle ware	fragments	31		roman-byzantine	very small
4.	Rockshelter 11	brittle ware	fragments	7		islamic	
5.	Rockshelter 11	coarse ware	fragments	1	702-706	unknown	handmade, very coarse, black burnt, possibly late Neolithic-EBA
6.	Rockshelter 11	local coarse ware	fragments	4		roman-byzantine	
7.	Rockshelter 11	local coarse ware	fragments	2		roman-byzantine	2 with incisions
1.	Rockshelter 15	coarse ware	fragments	11	720-722	unknown	possibly BA or iron age?
2.	Rockshelter 15	coarse ware	handle	1	720-722	unknown	possibly BA or iron age?
3.	Rockshelter 15	coarse ware	rim	1	720-722	unknown	possibly BA or iron age?
4.	Rockshelter 15	brittle ware	fragments	34		roman-byzantine	some are black on outside
5.	Rockshelter 15	brittle ware	rim	4		roman-byzantine	
6.	Rockshelter 15	brittle ware	fragments	2		islamic	one is the base of a handle
7.	Rockshelter 15	local coarse ware	fragments	15		roman-byzantine	
8.	Rockshelter 15	coarse ware	fragments	1	723-726	unknown	decorated with red paint, handmade, reddish
1.	Cairn 34-38	brittle ware	complete	1		islamic	
2.	Cairn 34-38	brittle ware	handle	1		islamic	
3.	Cairn 34-38	brittle ware	fragments	8		islamic	
4.	Cairn 34-38	brittle ware	fragments	3		islamic	
5.	Cairn 34-38	dark red coarse ware	rim	3		islamic	
6.	Cairn 34-38	brittle ware	fragments	6		islamic	
7.	Cairn 34-38	brittle ware	handle	1		islamic	
8.	Cairn 34-38	local coarse ware	fragments	12		islamic	
9.	Cairn 34-38	local coarse ware	fragments	2		roman-byzantine	
10.	Cairn 34-38	brittle ware	fragments	4		roman-byzantine	one rim
1.	Cairn 39-40	brittle ware	fragments	5		islamic	
2.	Cairn 39-40	brittle ware	fragments	9		islamic	
3.	Cairn 39-40	brittle ware	fragments	1		islamic	
4.	Cairn 39-40	brittle ware	rim	2		islamic	
5.	Cairn 39-40	imported coarse ware	base	1		roman-byzantine	
6.	Cairn 39-40	imported coarse ware	fragments	5		roman-byzantine	
7.	Cairn 39-40	brittle ware	rim	1		islamic	
8.	Cairn 39-40	dark ware	fragments	1	680-685	unknown	with decoration
9.	Cairn 39-40	glazed ware	fragments	1	680-685	parthian?	with green paint, traces on the interior
10.	Cairn 39-40	plain simple ware?	fragments	1	680-685	EBA IV?	with red paint
1.	Cairn 50	plain simple	fragments	12		EBA IV or roman-	

		ware? Imported coarse ware?				byzantine	
1.	Cairn 54-57	plain simple ware? Imported coarse ware?	fragments	11		EBA IV or roman-byzantine	
2.	Cairn 54-57	dark red coarse ware	fragments	1		roman-byzantine	
1.	Cairn 70-72	plain simple ware?	fragment	1	690-693	EBA IV?	
1.	Cairn 130	local coarse ware	fragment	1		roman-byzantine	
1.	Cairn 131	brittle ware?	fragment	1		?	difficult to identify
1.	Cairn 135	brittle ware	fragment	2		islamic	
2.	Cairn 135	local coarse ware	fragment	1		islamic	
1.	Cairn 136	local coarse ware	fragment	1		islamic?	
1.	Cairn 151	brittle ware	fragment	2		islamic	
1.	Cairn 154	plain simple ware?	rim	1	758-759	EB IV?	
2.	Cairn 154	plain simple ware?	fragment	5	758-759	EB IV?	