

Building the Great Dolmens

EXCAVATIONS AT GARN TURNE

Data Structure Report
November 2011

Building the Great Dolmens
Excavations at Garn Turne, Pembrokeshire, 2011

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1. Introduction: Building the Great Dolmens project

Dolmens are one of the best known, yet least understood, types of monument in Britain and Ireland. These monuments have seen virtually no modern excavation or investigation, and we still have no definite date for the construction of these monuments, although there is the suggestion that this was at a potentially early date in the Neolithic (Cummings and Whittle 2004; Kytmanow 2008). If this is the case, dolmens may well be the earliest form of monumentality in Britain and Ireland and may be able to inform our understanding of the transition to the Neolithic. In addition to this we have little understanding of how these monuments were constructed, even though some dolmens employ enormous stones. These were extraordinary feats of engineering, where people were quarrying, hauling and lifting stones that were up to 150 tonnes in weight. It is also obvious that many dolmens were architectural failures, in the sense that at some sites the capstone was never successfully placed on top of uprights, yet this idea of monumental failure, and its impact on society, has not been explored in any depth. Moreover, we have only a very limited understanding of how these sites were used once they were constructed, either successfully or unsuccessfully. Did people abandon monumental failures, or did they use them as if they were successful constructions? And did these sites all start off as burial chambers, or was this a 'secondary' use? The other key element of the project involves thinking beyond typological classification. We advocate a critical approach to the traditional monument typology of Britain and Ireland by focussing instead on the construction processes involved, and the overall 'effect' that people were trying to achieve when building these sites, instead of the minutiae of typological classification. Since this is the case, some sites that have not been previously classified as dolmens will need to be reclassified and considered as part of our project. Overall, then, a new project addressing all these issues is being initiated in order to understand this crucial class of monument, and potentially the beginnings of monumentality in Britain and Ireland.

In order to answer our research questions we will approach the Neolithic monumental record of Britain and Ireland in three key ways:

1. Survey: by undertaking geophysical survey around a number of dolmens, we can look for traces of the construction methods used to build the dolmens (pits, ramps, quarries and so on).
2. Geological assessment: we have already noted that many dolmens are built from stones that are both local and non-local. In order to fully understand the biography of these

monuments, the geological assessment of multiple sites in different areas is an essential component of the project.

3. Excavation: five sites will be selected in Wales, England and Ireland that appear to be ruinous but, for our purposes, will allow us to focus on their construction. We will also select sites for excavation that show signs of monumental disaster, and where we can identify and excavate a nearby quarry or pit. Because dolmens are relatively simple constructions, and since they very rarely produce large quantities of material culture, it is realistic to excavate one site a year. This report details the excavation of our first target site, Garn Turne in SW Wales.



Fig. 1. Garn Turne dolmen prior to excavation

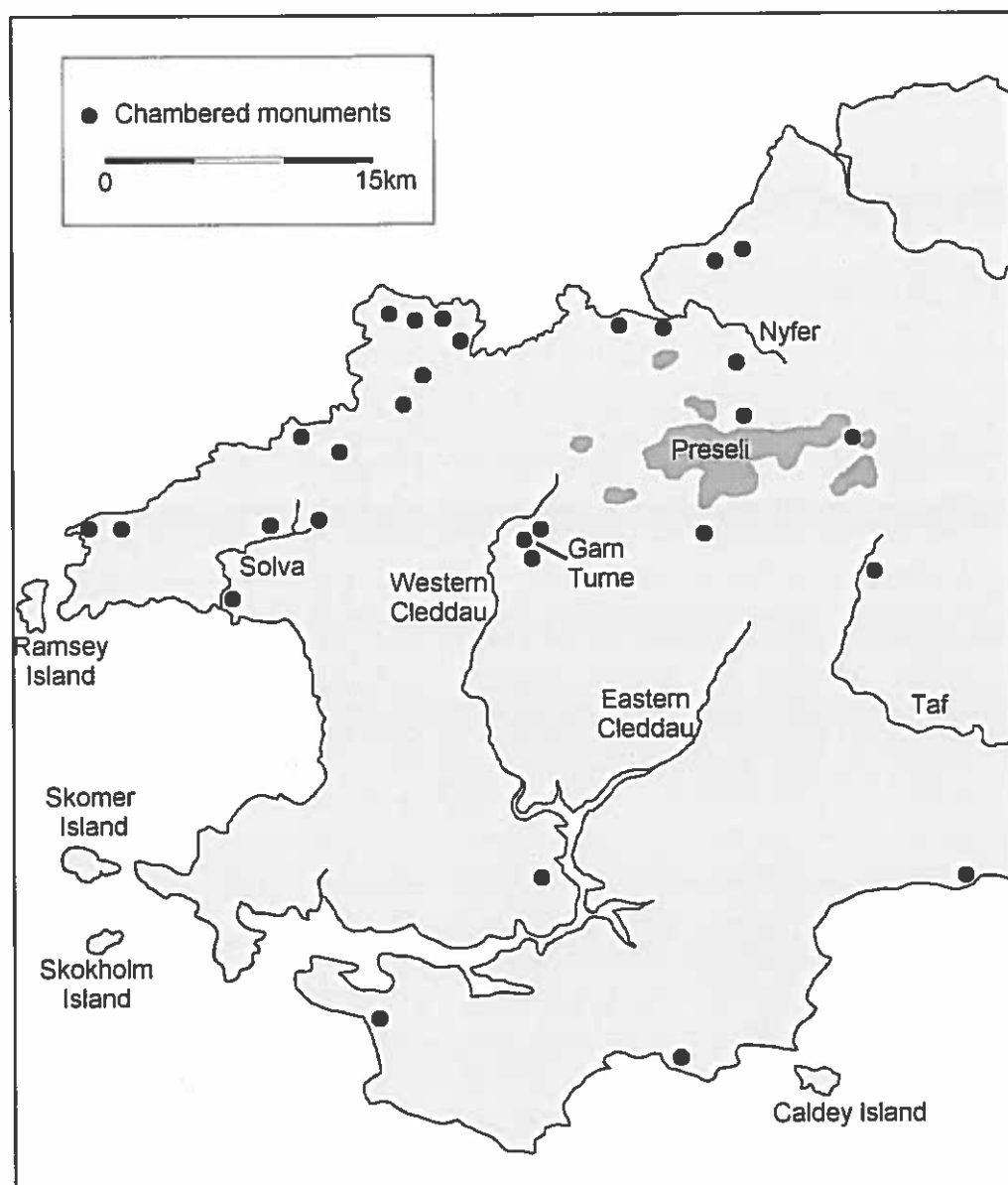


Fig. 2. The location of Garn Turne in south-west Wales, and in relation to other dolmen monuments in the region

2. Garn Turne excavation methodology

Garn Turne was chosen as our first site for investigation for a number of key reasons:

1. It was a monument that appears to have collapsed during construction. This means it offers excellent potential for exploring our aim of identifying construction processes, and we can investigate whether it was used in the same way that a successful construction would have been. Indeed, the collapsed nature of the site means that elements of construction may well be preserved *in situ*.
2. We identified a possible quarry site for the capstone, allowing us to further explore the source and extraction methods employed.
3. It has not been previously investigated, so any archaeological deposits should not be disturbed.

Prior to excavation a detailed measured survey using a total station was made of the monument and geophysical survey was conducted (Fig. 3).



Fig. 3. Geophysical survey of Garn Turne conducted in June 2011 prior to excavation

We opened two trenches at Garn Turne. The first was in the forecourt area of the monument (Fig. 4), specifically in order to look for remnants of the construction process (site code

GT11). We also opened a second trench over the possible quarry site (site code GTQ11). All trenches were deturfed and excavated by hand. The deposits were recorded in plan and section. Find locations were recorded in three dimensions and by context using a total station. All archaeological deposits were dry sieved to recover finds. The recovery of samples for palaeobotanical analysis followed English Heritage guidelines (2002). Accordingly any sealed archaeological contexts that were excavated were sampled for flotation, as well as a random selection of other contexts.

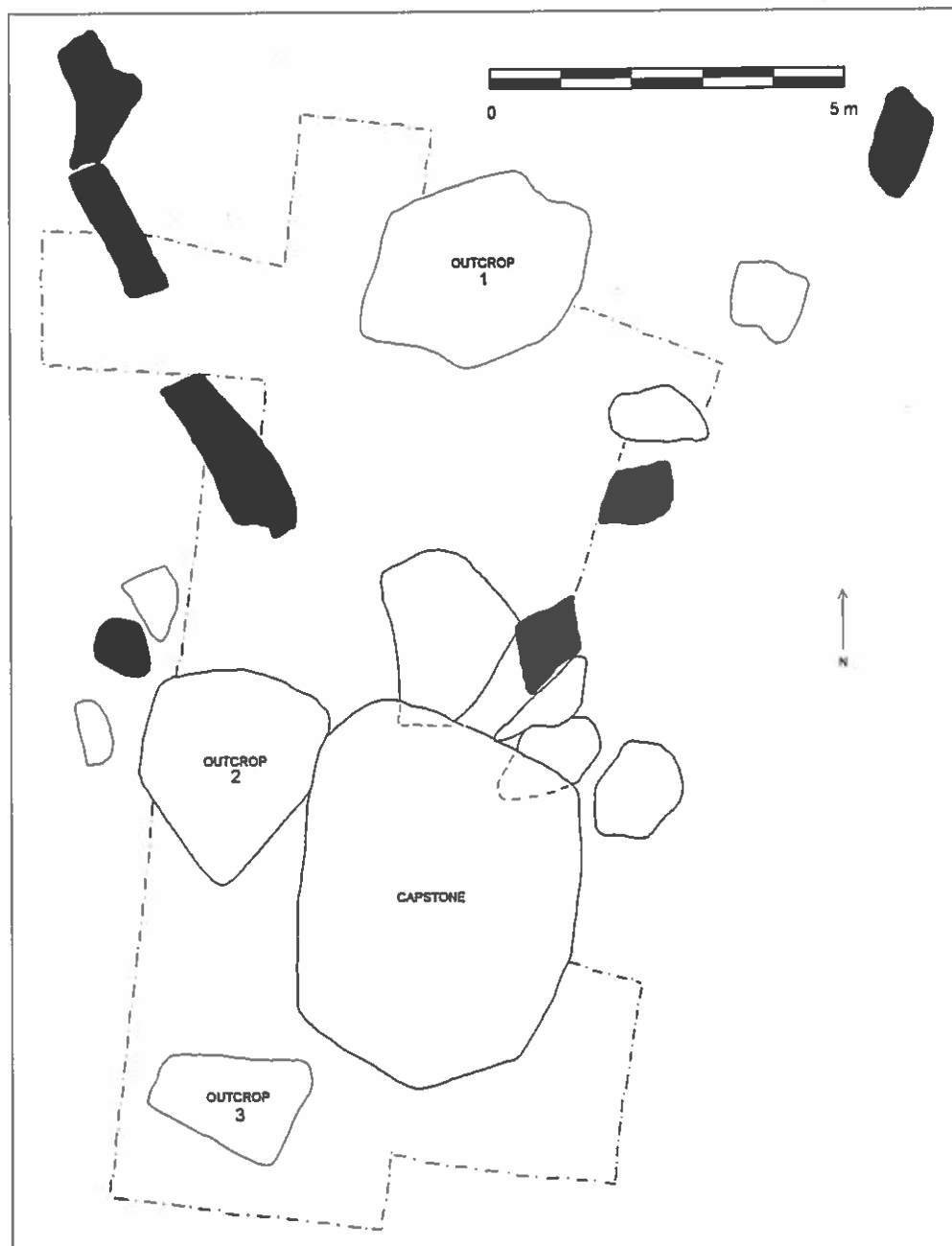


Fig. 4. The location of the main trench over the dolmen at Garn Turne

The documents and finds that result from the excavations – comprising photographs, drawn plans, written documents and artefacts – will be preserved and maintained as a record of the fieldwork. Digital data – photographs, geospatial data, CAD drawings etc. – will be prepared and archived in accordance with industry standards of good practice (Eiteljorg *et al.* 2003; Gillings and Wise 1998; Richards and Robinson 2000). The deposition of the archive will be prepared and undertaken in consultation with CADW and in accordance with current best practice (Archaeological Archives Forum 2007; Richards and Robinson 2000).

3. Context narratives

Garn Turne (GT11)

Many components of the monument were visible in this trench prior to excavation. These stones were given separate numbers, as detailed in Figure 5. This included the stones which make up a ‘façade’, some of which are still standing (stones 1, 2, 3, 5, 8 and 11) and some of which have fallen over (stones 4, 6, 7, 9 and 10). These create a ‘forecourt’ area. There were also several slabs which appeared to be natural outcrops. Those within the forecourt were numbered (‘outcrop 1’ and ‘outcrop 2’): these were subsequently given context numbers, (052) and (048) respectively. The forecourt was situated in a hollow, which was clearly visible prior to excavation.

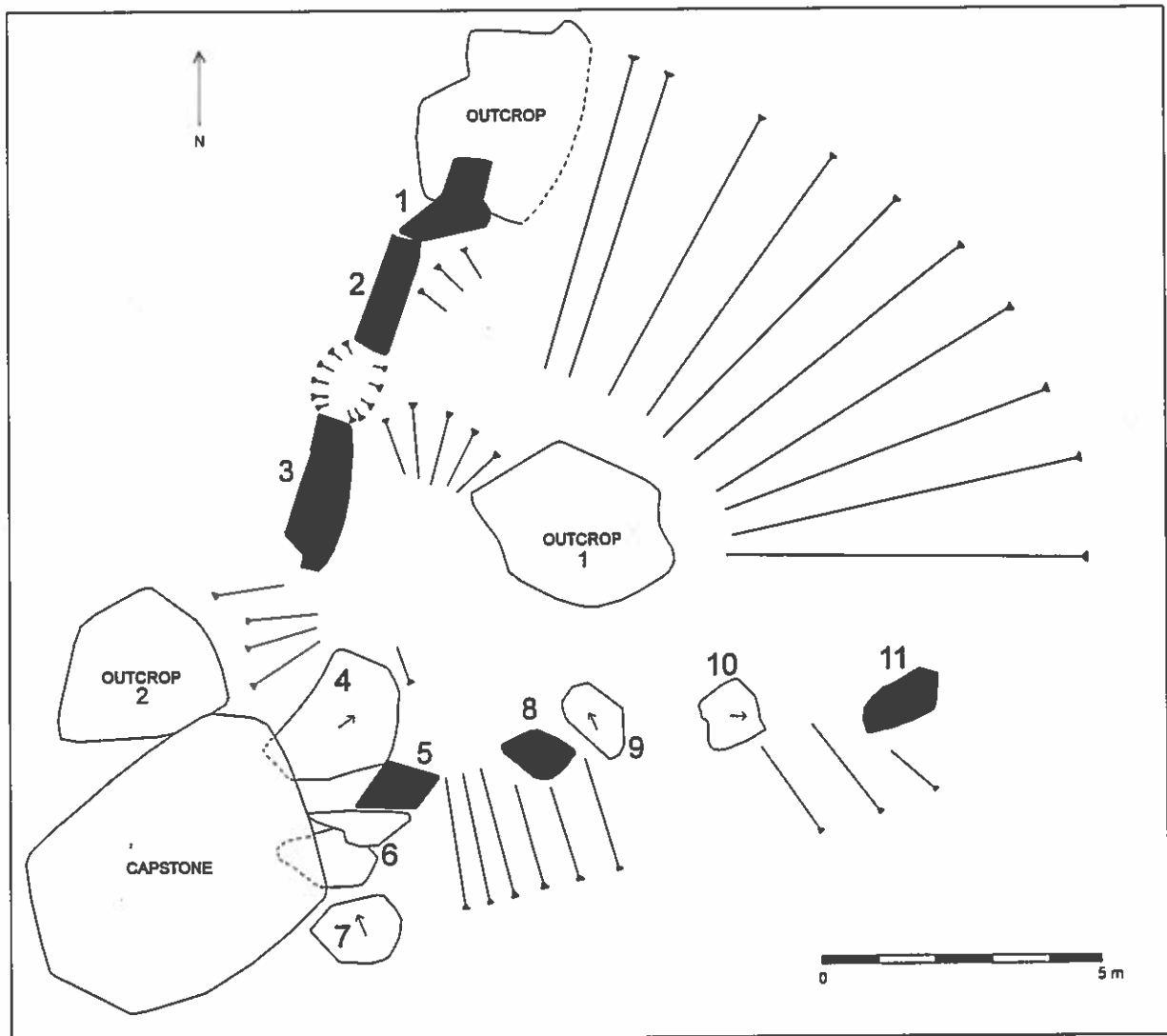


Fig. 5. The pre-ex plan of the dolmen prior to excavation also showing the numbering of the main stones of the monument, as used throughout this report

We stripped off the topsoil by hand (001) and this contained three modern finds (clay pipe and coins, including a pound coin from 1985: small finds numbers 3, 5, 7) and three prehistoric finds (flints: small finds numbers 6, 231, 233). Upon removing the topsoil (001) we came down onto a layer found across the entire trench (003). On the surface this context was very mixed, comprising patches of dry silty clay through to more compacted clay-silts. It was variable in thickness, with much thicker deposits found at the centre of the hollow and around stone 4. Although it was not immediately apparent, this was the upper fill of a very large pit (007). Indeed, this pit is so large that none of its edges were found in the trench. We postulate that this enormous pit was created as a result of digging out a large stone in order to create a capstone (see below). Thus all deposits excavated were essentially fills of this pit. 003 contained a small number of small finds (quartz: small finds numbers 54, 90, 93, 112,

114, 130, 173, 184, 203), flints (small finds numbers 80, 94, 115, 162, 205) and a single sherd of pottery (small find number 89). There were also a large number of megalithic flakes: debitage from flaking the rhyolite stones which make up the monument. We collected 40 flakes of rhyolite as small finds, and the remainder were collected as bulk finds by area. Eight possible hammerstones were also recovered from 003.

Once we removed 003 we came down onto various contexts, divided into three sections by a baulk and outcrop 2. The west side of the trench (see Fig. 6) contained various contexts, primarily a grey silty clay found directly under 003 (028). This contained multiple fragments of flaked rhyolite as well as three flints (small finds numbers 293, 300, 353). Within this was an arc of stones (032) which are probably the top section of a much more widespread context, which we did not reveal during this season's work. More stones (022) were found to the north of the trench which are probably the same layer. Where we removed 028, we came down onto a grey silty clay (031), also recorded as 040. Between stones 2 and 3 was a small cobbled area (013): this peeled off onto 028. Large packing stones were found around stones 2 and 3 (012 around stone 2 and 014 around stone 3), but neither of these stones were set in sockets. Instead they were set directly into the base of the large pit (007) and propped up in place. This has been noted at other dolmen such as Carreg Samson (Lynch 1975).

To the north-west of stone 4 was a dark brown silt (010) which appeared to be a fill of a smaller feature. We could not identify an edge to this fill, and it most likely a silting event and thus an upper fill of 007. Underneath it was a similar brown fill (026), again with no clear edge. This peeled off very cleanly onto 033, a brown-grey clay surface next to orthostat 4. This is a compact clay layer, possible a floor. Underneath this was a stone foundation (034), and under that a loamy clay base for the stones of 034 to sit in (035). Only the surface of these were exposed and were not excavated in 2011.

Directly to the south of orthostat 3 were a series of positive fills (dumps). The first, 017, was a dump of silty loam containing rhyolite flakes and a hammerstone. A small fragment of iron slag was also recovered from this context (spoil heap find). Directly beneath this to the south of orthostat 3 was another dump (029) containing a large number of rhyolite flakes. To the north of outcrop 2 (048), but still under 017, was another orange silty dump (039), not excavated. However, between 039 and the edge of 033, 034 and 035 were two large and broken stones. The largest of these (041) looks like the stump of a broken upright, with a

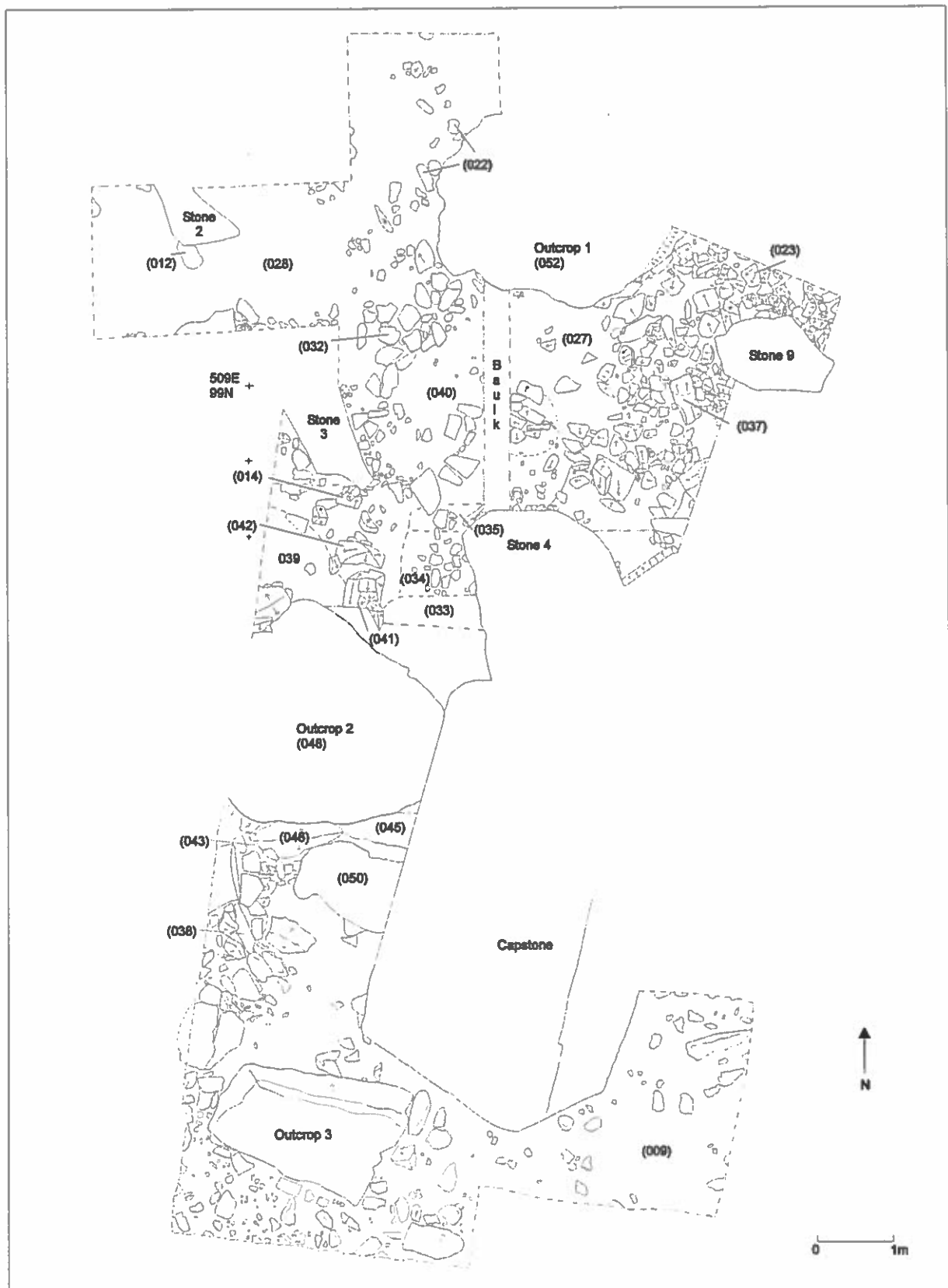


Fig. 6. Plan of the main trench at Garn Turne

single packing stone (042) left in place. This may relate to the other possible dolmen (see below) with outcrop 2 (048) being the capstone. This was not investigated further this season.

On the east side of the main trench the removal of 003 revealed two main contexts. An ashy silty clay (018) was found along the baulk, and this is likely to be the same as 031. This contained multiple flakes of rhyolite and a hammerstone. To the east was a brown silty clay (027). In discrete patches within 027 was a charcoal spread within a grainy silt (019). This had been subject to bioturbation (small mammal) and had been moved around in old burrows. Two spreads of stone were revealed, an arc of stone (037) probably the same as those found to the north of the trench (023) and both probably part of one single layer within the great pit (007).

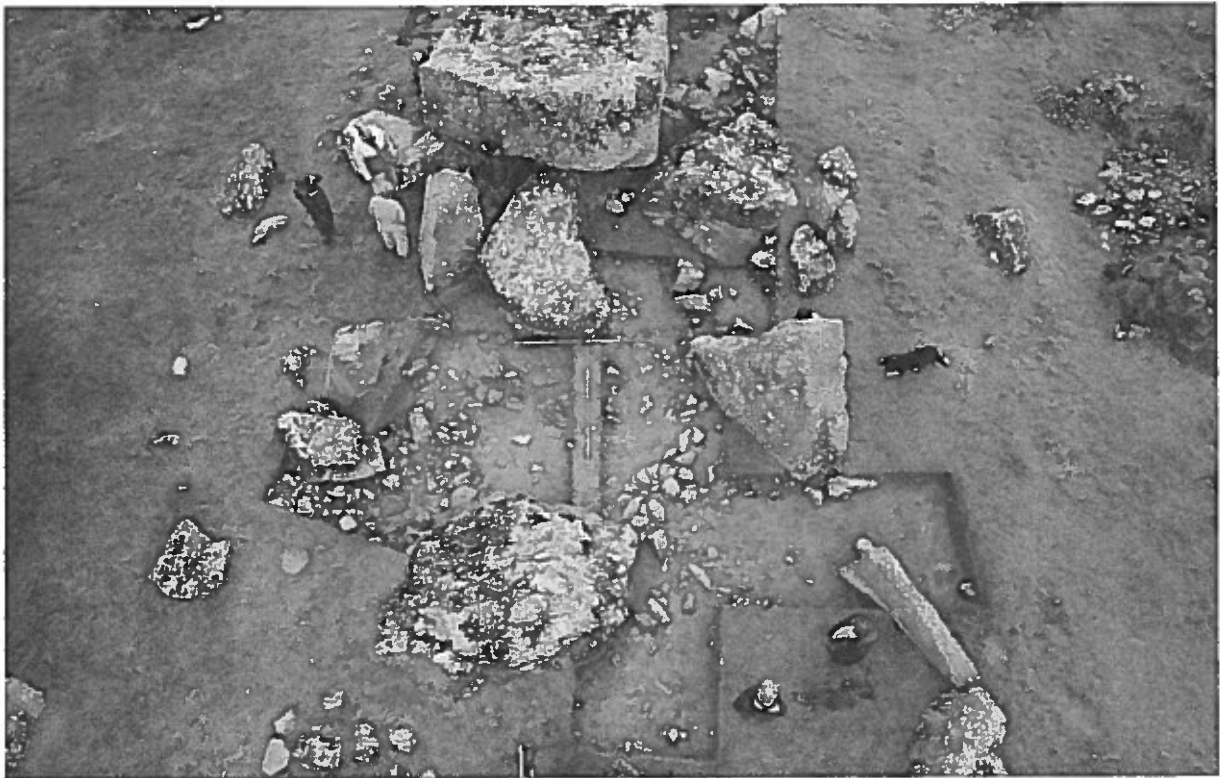


Fig. 7. Aerial view of the trench looking site south

The southern part of the main trench lay to the western and southern side of the massive main capstone (051). Beside the capstone, immediately below its western edge, was a section of masonry (006). Once we removed 003 in this portion of the trench we came own onto a stony layer (011) found between outcrop 2 (048) and outcrop 3 to the south of the capstone. This layer of stones may well be part of 006 and when it was removed we came down onto much

larger stones (038). These are large slabs, and the largest, possible structural slabs, have been given separate context numbers (045, 046 and 050). These large stones may have been the remains of a smaller dolmen, with 048 being a capstone (Fig. 9). All are collapsed, with some stones lying underneath the main capstone (051). We exposed the upper fill surrounding these stones (043) but did not excavate any further this year. We also exposed in section beneath the main capstone what appeared to be a thick layer of redeposited natural (047) and a darker silty clay beneath this (049). Neither of these were excavated.



Fig. 8. Aerial view of the trench looking site north. The possible smaller and earlier dolmen is highlighted by the box



Fig. 9. Possible earlier dolmen, collapsed

Garn Turne quarry site (GTQ11)

Prior to excavation, detailed survey of the environs surrounding Garn Turne revealed a large hollow to the north of the monument: it was postulated this may have been the quarry site for the capstone (Fig. 10). As such we opened a 6 x 7m trench over the area, with a small 1m x 5m extension added later on. This was an area that had been heavily trampled by cattle, and we removed the 'topsoil' (002) which was actually a mixture of mud and manure, with numerous large boulders. This came down onto a smooth, quarried surface (004), and to the west and overlying the bedrock in places, a cobbled surface (005), bedded onto the glacial till (009). The small extension was added to find the extent of the cobbled surface. In two places we removed small portions of the cobbled surface (005) which went down onto compacted glacial till.

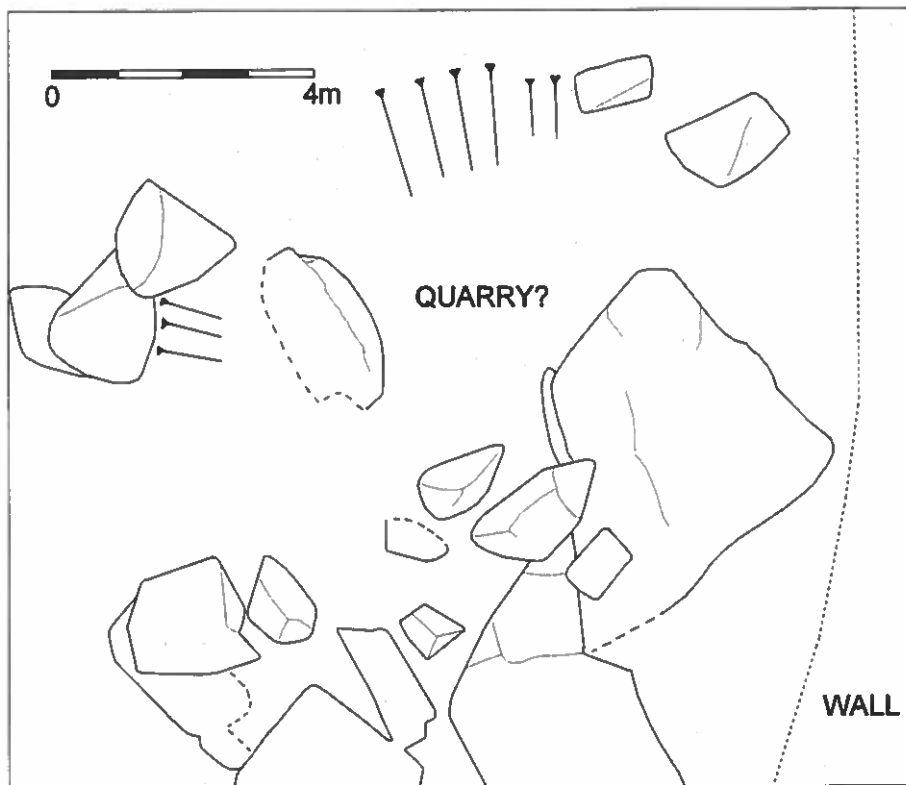


Fig. 10. Pre-excavation plan of the quarry site

The trench produced a very small number of finds: six large hammerstones (small finds numbers 9, 10, 21, 22, 23 and 24), two pieces of flint (small finds numbers 12 and 19) and one recorded modern find (clay pipe: 15). Other very recent finds were not retained, and these included a minstrel's packet and a woolly glove. We also observed a dynamite drill hole in the face of the rock at the northern end of the trench.

Our interpretation of this trench is that it represents the remains of a quarry site. The date of this is unknown and it may well date back to the Neolithic, as evidenced by the large hammerstones found on site. However, it is very unlikely to be the source of the capstone. The area that has been blasted by dynamite was almost certainly created in the 19th century in order to create a place for fresh water to accumulate for livestock. The cobbled surface may also have been laid down at that time.



Fig. 11. Post-excavation view of the quarry trench looking north, showing the quarried surface (004) and the cobbled surface (005)

Interpretations

The main trench at Garn Turne seems to be placed over an enormous pit. We suggest that this enormous pit was the result of people digging up an enormous stone, presumably the 80 ton rhyolite capstone. Once the stone had been extracted from the ground it was shaped and then raised up: uprights were placed underneath it in order to create a dolmen monument. These stones, and the stones of the façade, were simply dropped into place within the pit and then the entire pit was backfilled to stabilise these stones. The backfill contained large numbers of flaked rhyolite and hammerstones as well as charcoal deposits which can be radiocarbon dated. However, at some point during construction something went wrong. The result of this was that the large capstone and its supporters at the front of the monument toppled backwards. It appears that the monument was subsequently abandoned.

We are presently unclear about a number of issues:

1. The size and extent of the pit. It appears that our trench was located within the pit. A priority for next year is to ascertain the size of the pit.

2. The earlier dolmen. We have suggested above that there may have been a smaller and earlier dolmen at Garn Turne, which collapsed and survives in part under the main capstone. Where does this fit into the sequence? Was this a genuinely earlier construction, and if so, it is curious that it appears to be located within the large pit, which gives us an interesting sequence. Or was this an attempt to make a 'double dolmen', which are found elsewhere in Wales and also in Ireland (this is where the larger capstone sits on top of a smaller, pre-existing dolmen)?

3. The 'outcrop' in the façade: is this really an outcrop or a stone brought in to be part of the construction?

A final season at Garn Turne is thus proposed to finish the excavations and to answer these and our original research questions.

4. Registers

4.1. Context register

Context no	Type	Description	Trench	Date
001	Deposit	Topsoil: silty clay overlying entire trench	GT	16/8/11
002	Deposit	Topsoil: mud and manure overlying entire trench	GTQ	17/8/11
003	Fill	Orange silty clay found throughout trench	GT	18/8/11
004	Stone structure	Quarried surface of outcrop	GTQ	18/8/11
005	Deposit	Cobbled layer running up to quarried outcrop	GTQ	18/8/11
006	Stone structure	Masonry found to the west & underneath capstone	GT	18/8/11
007	Cut	Cut of great pit under and around dolmen	GT	18/8/11
008	-	CONTEXT NOT USED	-	-
009	Deposit	Glacial till: natural subsoil	GT	18/8/11
010	Fill	Very dark brown silt, upper fill of 007	GT	18/8/11
011	Stone structure	Stony layer to west of capstone	GT	22/8/11
012	Stone structure	Large packing stones around orthostat (2)	GT	22/8/11
013	Fill	Cobbled surface between (2) and (3) in 007	GT	22/8/11
014	Stone structure	Packing stones around orthostat (3)	GT	23/8/11
015	-	CONTEXT NOT USED	-	-
016	-	CONTEXT NOT USED	-	-
017	Fill	Dump of silty loam south of orthostat (3)	GT	23/8/11
018	Fill	Ashy-grey silty clay under 003 – east side of trench	GT	24/8/11
019	Fill	Very dark orange sandy silt, with large charcoal pieces	GT	24/8/11
020	-	CONTEXT NOT USED	-	-
021	Fill	Stones in matrix 017 – dump of material incl. flakes	GT	29/8/11
022	Fill	Spread of stones west of 052	GT	30/8/11
023	Fill	Spread of stones east of 052, probably same as 032	GT	30/8/11
024	-	CONTEXT NOT USED	-	-
025	-	CONTEXT NOT USED	-	-
026	Fill	Dark brown fill by orthostat (4), same as 010?	GT	30/8/11
027	Fill	Brown silty clay east side of forecourt overlying 037	GT	31/8/11
028	Fill	Grey silty clay east side of forecourt under 003	GT	31/8/11
029	Fill	Orange-brown silty dump south of orthostat (3)	GT	31/8/11
030	-	CONTEXT NOT USED	-	-
031	Fill	Grey silty clay below 028, east side of forecourt	GT	1/9/11
032	Fill	Arc of stones filling 007 in western side of trench	GT	1/9/11
033	Fill	Brown-grey clay surface next to orthostat (4)	GT	1/9/11
034	Fill	Stone foundation for 033 next to orthostat (4)	GT	1/9/11
035	Fill	Loamy clay base for 034 next to orthostat (4)	GT	1/9/11
036	Cut	Cut of feature next to 050 (outcrop 2)	GT	2/9/11
037	Fill	Arc of stone filling 007 in eastern side of trench	GT	3/9/11
038	Stone structure	Large slabs west of capstone under 011	GT	3/9/11
039	Fill	Orange silty clay dump under 017	GT	3/9/11
040	Fill	Grey silty clay east side of forecourt, same as 028	GT	4/9/11
041	Stone structure	Large broken stone in front of 048 (outcrop 2)	GT	5/9/11
042	Stone structure	Large packing stone to west of 041	GT	5/9/11
043	Fill	Dark brown silty loam in between 038	GT	5/9/11
044	Cut	Cut for pit associated with early dolmen?	GT	7/9/11
045	Stone structure	Collapsed orthostat early dolmen, partially under capst.	GT	7/9/11
046	Stone structure	Collapsed orthostat early dolmen, S of 048	GT	7/9/11
047	Fill	Orange clay redeposited beneath capstone 048	GT	7/9/11
048	Stone structure	Possible capstone for earlier dolmen (outcrop 2)	GT	7/9/11

049	Fill	Possible fill for 044	GT	7/9/11
050	Stone structure	Possible collapsed orthostat for early dolmen	GT	7/9/11
051	Stone structure	80 tonne capstone for main dolmen	GT	7/9/11
052	Stone structure	Possible standing stone in forecourt (outcrop 1)	GT	7/9/11

4.2. Samples register

Sample	Context	Description	No bags	Type
1	003	Upper fill found across site	1	Flotation
2		<i>Sample not used</i>		
3	003	Upper fill found across site	2	Flotation
4	003	Upper fill found across site	1	Flotation
5	003	Upper fill found across site	1	Flotation
6	010	Upper fill at centre of forecourt	1	Flotation
7	026	Fill at centre of forecourt	1	Flotation
8	019	Burnt layer east side of forecourt	1	Flotation
9	026	Fill at centre of forecourt	1	Flotation
10	019	Burnt later east side of forecourt	1	Flotation
11		<i>Sample not used</i>		
12	028	Grey silty fill in forecourt	1	Flotation
13	031	Grey silty clay with charcoal in forecourt	1	Flotation
14	031	Grey silty clay with charcoal in forecourt	1	Flotation
PH1	018	<i>In situ burnt floor?</i>	1	Phosphate
PH2	018	<i>In situ burnt floor?</i>	1	Phosphate
PH3	018	<i>In situ burnt floor?</i>	1	Phosphate
PH4	018	<i>In situ burnt floor?</i>	1	Phosphate
PH5	018	<i>In situ burnt floor?</i>	1	Phosphate
PH6	018	<i>In situ burnt floor?</i>	1	Phosphate
PH7	018	<i>In situ burnt floor?</i>	1	Phosphate
PH8	018	<i>In situ burnt floor?</i>	1	Phosphate
PH9	018	<i>In situ burnt floor?</i>	1	Phosphate
PH10	018	<i>In situ burnt floor?</i>	1	Phosphate
PH11	018	<i>In situ burnt floor?</i>	1	Phosphate
PH12	018	<i>In situ burnt floor?</i>	1	Phosphate
PH13	019	<i>In situ burnt floor?</i>	1	Phosphate
PH14	018	<i>In situ burnt floor?</i>	1	Phosphate
PH15	018	<i>In situ burnt floor?</i>	1	Phosphate
PH16	018	<i>In situ burnt floor?</i>	1	Phosphate

4.3. Drawing register

Drawing no	Type	Trench	Contexts	Description	Date
1	Plan	GT	003	Pre-ex after deturfing N part trench	17-8-11
2	Plan	GT	003	Pre-ex after deturfing C part of trench	18-8-11
3	Plan	GT	003	Pre-ex after deturfing S part of trench	18-8-11
4	Plan	GTQ	004 & 005	Quarry trench southern half	28-8-11
5	Plan	GTQ	004 & 005	Quarry trench northern half	28-8-11
6	Plan	GT	Multi, incl 018	Northern half of trench	29-8-11
7	Plan	GT	Multi, incl 011	Southern half trench	29-8-11
8	Plan	GT	018 & 019	Location phosphate samples	2-9-11
9	Plan	GT	Multi, incl 032	Northern half of trench	2-9-11
10	Plan	GT	038	Southern half of trench	3-9-11

11	Plan	GTQ	005	Quarry trench extension	5-9-11
12	Plan	GT	009 & 038	Post-ex rear, 038 west of capstone	7-9-11
13	Section	GT	Multi incl 003	East facing section of baulk	7-9-11
14	Section	GT	Multi incl 003	North facing section east of stone 2	7-9-11
15	Section	GT	Multi incl 003	North facing section extension	7-9-11
16	Section	GT	Multi incl 003	West facing section of 2m extension	7-9-11
17	Section	GT	Multi incl 041	North facing section below capstone	8-9-11
18	Section	GT	Multi incl 048	East facing section nr stone 3	8-9-11
19	Section	GT	Multi incl 003	North facing section N of stone 3	8-9-11
20	Section	GT	Multi incl 003	South facing section S of stone 3	8-9-11
21	Profile	GT	Multi incl 003	Profile through whole monument	8-9-11
22	Section	GT	Multi incl 003	West facing section of baulk	8-9-11
23	Section	GT	Multi incl 003	South facing addition to #14	8-9-11
24	Section	GT	Multi incl 003	South facing section east of outcrop 1	8-9-11
25	Section	GT	Multi incl 003	West facing section N of outcrop 1	8-9-11
26	Section	GT	Multi incl 003	West facing section between 5 and 9	8-9-11

4.4. Photographic register

(relates to digital)

Shot no	Trench	Contexts	Description	Direction
1	GT11		Pre-ex trench	N
2	GT11		Pre-ex trench	N
3	GT11		Pre-ex trench	N
4	GT11		Pre-ex trench	N
5	GT11		Pre-ex trench	N
6	GT11		Pre-ex trench	N
7	GT11		Pre-ex trench	E
8	GT11	All these	Pre-ex 'pit' at rear	E
9	GT11	photos are of	Pre-ex 'socket' facade	W
10	GT11	things that were	Pre-ex 'socket' stone 2	N
11	GT11	not features.	Pre-ex 'socket' facade stone 3	E
12	GT11	Therefore they	Pre-ex 'socket' facade stone 3	N
13	GT11	relate to the top	Pre-ex pit? In forecourt	E
14	GT11	of 003	Stones under capstone	E
15	GT11		Pit by capstone	E
16	GT11		Feature?-rear of capstone	N
17	GT11		Pit rear of capstone	N
18	GT11		Pit rear of capstone	S
19	GT11		Trench pre-ex	S
20	GT11		Pit forecourt pre-ex	S
21	GT11		Pit-forecourt pre-ex	S
22	GT11		Feature? Façade stone	E
23	GT11		Pre-ex – possible feature?	W
24	GT11		Pre-ex – possible feature	E
25	GT11		Pre-ex – possible feature	
26	GT11	017	Working shot	S
27	GT11	017	Working shot	S
28	GT11	017	Working shot	SW
29	GTQ11	004 + 005	Quarry exposed	W
30	GTQ11	004 + 005	Quarry exposed	W
31	GTQ11	004 + 005	Quarry exposed	W

32	GTQ11	004 + 005	Quarry exposed	W
33	GTQ11	004 + 005	Quarry exposed	W
34	GTQ11	004 + 005	Quarry exposed	W
35	GTQ11	004 + 005	Quarry exposed	W
36	GTQ11	004 + 005	Quarry exposed	E
37	GTQ11	004 + 005	Quarry exposed	E
38	GT11	012	Packing stones for stone (2)	N
39	GT11	012	Packing stones for stone (2)	N
40	GT11	013	Cobbled surface	N
41	GT11	013	Cobbled surface	E
42	GT11	013	Cobbled surface	E
43	GT11	006	Masonry pre-ex	E
44	GT11	006	Masonry pre-ex	E
45	GT11	019	Burnt patches <i>in situ</i>	SE
46	GT11	019	Burnt patches <i>in situ</i>	SE
47	GT11	019	Burnt patches <i>in situ</i>	E
48	GT11	019	Burnt patches <i>in situ</i>	E
49	GT11	019	Burnt patches <i>in situ</i>	N
50	GT11	019	Burnt patches <i>in situ</i>	N
51	GT11	017	Possible features	N
52	GT11	017	Possible features	N
53	GT11	017	Possible features	N
54	GT11	017	Possible features	N
55	GT11	023	Stones by stone 9	E
56	GT11	023	Stones by stone 9	E
57	GT11	024	Pre-ex post hole?	E
58	GT11	024	Pre-ex post hole?	E
59	GT11	025	Socket? For (5)	S
60	GT11	011	Stones by capstone	S
61	GT11	011	Stones by capstone	S
62	GT11	011	Stones by capstone	E
63	GT11	011	Stones by capstone	E
64	GT11		Working shot-forecourt	N
65	GT11		Working shot-forecourt	N
66	GT11	011	Stones by capstone	N
67	GT11	011	Stones by capstone	N
68	GT11	011	Stones by capstone	N
69	GT11	017 + 026	017 and 026 under-ex	N
70	GT11	009	Trench extension-rear + E of capstone post-ex	N
71	GT11	009	Trench extension-rear + E of capstone-post-ex	N
72	GT11	024	Feature pre-ex	N
73	GT11	030	Feature pre-ex	N
74	GT11	030	Feature pre-ex	N
75	GT11	029	Working shot	N
76	GT11	033	Working shot	S
77	GT11	033	Working shot	
78	GT11	033	Working shot-W side	N
79	GT11	033 + 034 + 035	Layers in front of capstone	W
80	GT11	028	028 under - ex	W
81	GT11	032	Arc of stones	N
82	GT11	039	Top surface	N
83	GT11	033 + 034 + 035	Layers in front of capstone	E
84	GT11	031	031 exposed	S
85	GT11	037	Grey layer	S

86	GT11	037	Grey Layer	N
87	GT11		Phosphate analysis	S
88	GT11		Hammerstone under-ex	SE
89	GT11	034	Laid stones in front of capstone	S
90	GT11	033 + 034 + 035	Layers in front of capstone	E
91	GT11	038	038 cleaned	N
92	GT11	038	038 cleaned	W
93	GT11	052	Outcrop 1 in section	E
94	GT11		Forecourt trench working shot	N
95	GT11		Forecourt trench working shot	N
96	GT11	041 + 042	Large stones, broken orthostat?	W
97	GTQ11		Post-ex	W
98	GTQ11		Post-ex	W
99	GTQ11		Post-ex	W
100	GT11		Section #25	E
101	GT11		Section #22 north half	E
102	GT11		Section #22 south half	E
103	GT11		Section #20	N
104	GT11		Section #23	S
105	GT11		Section #19 west half	S
106	GT11		Section #19 east half	S
107	GT11		Section #17	S
108	GT11		Section #18 north half	W
109	GT11		Section #18 south half	W
110	GT11		Section #20	N
111	GT11		Section #13 south half	W
112	GT11		Section #13 north half	W
113	GT11		Section #24 west half	N
114	GT11		Section #24 east half	N

4.5. Finds register

Large numbers of stones were retained as small finds, which were subsequently discarded. These were primarily pieces of silica which occurs naturally in the surrounding rocks and bears a striking resemblance to struck flint. Subsequent analysis revealed that while this may have been debris from breaking up rocks, they were not instructive in any other way so were discarded.

Find #	Trench	Context	Description	Easting	Northing	Height
1			<i>Find discarded</i>			
2			<i>Find discarded</i>			
3	GT	001	Clay pipe stem	510.30	92.46	49.61
4			<i>Find discarded</i>			
5	GT	001	Coin	510.58	97.69	49.50
6	GT	001	Flint	511.01	97.71	49.43
7	GT	001	Pound coin	512.04	97.53	49.42
8	GT	001	Flint	510.22	101.65	49.80
9	GTQ	002	Hammerstone	529.75	145.80	51.86
10	GTQ	002	Hammerstone			
11			<i>Find discarded</i>			
12	GTQ	002	Flint	524.07	146.39	52.18
13	GT	010	Megalithic debris	511.57	97.200	49.360
14			<i>Find discarded</i>			
15	GTQ	002	Clay pipe	513.11	97.64	49.40
16			<i>Find discarded</i>			

17			<i>Find discarded</i>			
18	GTQ	002	Possible hammerstone	525.21	143.84	52.10
19			<i>Find discarded</i>			
20			<i>Find discarded</i>			
21	GTQ	002	Hammerstone	507.172	100.244	49.669
22	GTQ	002	Hammerstone	528.852	145.74	51.586
23	GTQ	002	Hammerstone	528.007	146.532	51.716
24	GTQ	002	Hammerstone	528.125	145.449	51.502
25			<i>Find discarded</i>			
26	GTQ	002	Hammerstone	529.675	145.648	51.275
27	GT	003	Worked stone	510.508	98.612	49.363
28			<i>Find discarded</i>			
29	GT	003	Megalith debris	510.868	98.031	49.337
30	GT	003	Megalith debris	511.136	98.295	49.275
31	GT	003	Megalith debris	511.101	98.867	49.356
32			<i>Find discarded</i>			
33			<i>Find discarded</i>			
34	GT	003	Megalith debris	510.637	99.367	49.504
35			<i>Find discarded</i>			
36			<i>Find discarded</i>			
37			<i>Find discarded</i>			
38	GT	003	Megalithic debris	509.113	92.030	49.462
39			<i>Find discarded</i>			
40			<i>Find discarded</i>			
41	GT	003	Megalithic debris	511.147	99.430	49.427
42	GT	003	Megalithic debris	511.038	99.417	49.419
43			<i>Find discarded</i>			
44	GT	003	Megalithic debris	510.299	99.739	49.569
45			<i>Find discarded</i>			
46			<i>Find discarded</i>			
47			<i>Find discarded</i>			
48			<i>Find discarded</i>			
49	GT	003	Megalithic debris	510.869	100.300	49.515
50			<i>Find discarded</i>			
51			<i>Find discarded</i>			
52			<i>Find discarded</i>			
53	GT	003	Megalithic debris	508.983	91.884	49.457
54	GT	003	Quartz	509.532	91.755	49.387
55	GT	003	Megalith debris	510.370	100.373	49.616
56			<i>Find discarded</i>			
57			<i>Find discarded</i>			
58			<i>Find discarded</i>			
59			<i>Find discarded</i>			
60	GT	003	Megalithic debris	510.500	93.197	49.611
61			<i>Find discarded</i>			
62			<i>Find discarded</i>			
63			<i>Find discarded</i>			
64			<i>Find discarded</i>			
65			<i>Find discarded</i>			
66			<i>Find discarded</i>			
67	GT	003	Megalithic debris	510.235	91.870	89.422
68			<i>Find discarded</i>			
69			<i>Find discarded</i>			
70			<i>Find discarded</i>			

71			Find discarded			
72			Find discarded			
73			Find discarded			
74			Find discarded			
75			Find discarded			
76	GT	003	Megalithic debris	509.964	91.320	49.385
77			Find discarded			
78			Find discarded			
79			Find discarded			
80	GT	003	Flint	511.447	97.889	49.272
81			Find discarded			
82			Find discarded			
83	GT	003	Silica flake	511.360	100.490	49.588
84			Find discarded			
85			Find discarded			
86			Find discarded			
87			Find discarded			
88			Find discarded			
89	GT	003	Pottery	509.621	92.722	42.963
90	GT	003	Quartz	508.642	92.082	49.421
91			Find discarded			
92			Find discarded			
93	GT	003	Quartz	510.652	101.457	49.627
94	GT	003	Flint	510.353	100.841	49.608
95			Find discarded			
96			Find discarded			
97			Find discarded			
98			Find discarded			
99			Find discarded			
100			Find discarded			
101			Find discarded			
102			Find discarded			
103			Find discarded			
104			Find discarded			
105			Find discarded			
106			Find discarded			
107			Find discarded			
108			Find discarded			
109			Find discarded			
110			Find discarded			
111			Find discarded			
112	GT	003	Quartz x2	510.787	101.551	49.663
113			Find discarded			
114	GT	003	Quartz	509.129	92.919	49.478
115	GT	003	Flint	516.536	99.930	49.709
116			Find discarded			
117			Find discarded			
118			Find discarded			
119			Find discarded			
120	GT	003	Hammerstone	512.179	102.659	49.823
121			Find discarded			
122			Find discarded			
123			Find discarded			
124			Find discarded			

125			Find discarded			
126			Find discarded			
127			Find discarded			
128			Find discarded			
129	GT	017	Quartz	510.799	96.701	49.555
130	GT	003	Quartz	512.101	102.401	49.900
131			Find discarded			
132			Find discarded			
133	GT	011	Megalithic debris	509.526	90.753	49.406
134			Find discarded			
135			Find discarded			
136	GT	003	Megalithic debris	509.197	90.467	49.381
137			Find discarded			
138			Find discarded			
139			Find discarded			
140			Find discarded			
141			Find discarded			
142	GT	003	Worked slate?	508.937	90.045	49.213
143			Find discarded			
144			Find discarded			
145			Find discarded			
146	GT	003	Hammerstone	512.834	99.754	49.459
147	GT	003	Stone mortar	513.73	98.00	49.59
148	GT	003	Megalithic debris	513.87	97.70	49.50
149	GT	003	Megalithic debris	513.30	97.73	49.41
150			Find discarded			
151	GT	003	Hammerstone fragment	513.06	97.81	49.41
152	GT	003	Megalithic debris	513.08	99.93	49.48
153	GT	003	Megalithic debris	512.90	99.78	49.49
154	GT	003	Megalithic debris	513.63	97.87	49.86
155	GT	003	Broken hammerstone	513.66	97.72	49.80
156			Find discarded			
157	GT	003	Megalithic debris	514.05	98.08	49.61
158	GT	003	Megalithic debris	513.25	97.81	49.47
159	GT	003	Megalithic debris	510.29	90.30	49.22
160	GT	003	Pebble	508.65	87.951	49.057
161			Find discarded			
162	GT	003	Flint scraper	513.31	99.702	49.43
163			Find discarded			
164			Find discarded			
165			Find discarded			
166			Find discarded			
167			Find discarded			
168			Find discarded			
169			Find discarded			
170			Find discarded			
171	GT	003	Megalithic debris	512.819	98.490	49.338
172	GT	003	Megalithic debris	514.294	99.480	49.557
173	GT	003	Quartz	515.026	100.731	49.594
174			Find discarded			
175			Find discarded			
176			Find discarded			
177			Find discarded			
178			Find discarded			

179			Find discarded			
180			Find discarded			
181	GT	020	Quartz	511.736	87.932	49.232
182			Find discarded			
183			Find discarded			
184	GT	003	Quartz	514.087	98.334	49.463
185			Find discarded			
186			Find discarded			
187			Find discarded			
188	GT	003	Quartz	513.836	100.054	49.543
189	GT	003	Broken hammerstone	514.313	99.883	49.465
190			Find discarded			
191	GT	003	Megalithic debris	515.059	100.425	49.533
192	GT	003	Megalithic debris	514.544	98.586	49.222
193	GT	003	Megalithic debris	514.426	98.119	49.430
194			Find discarded			
195	GT	020	Megalithic debris	510.994	88.400	49.131
196	GT	020	Charcoal	510.801	88.500	49.077
197	GT	020	Find discarded	511.112	88.520	49.121
198	GT	003	Broken hammerstone	514.290	96.848	49.363
199			Find discarded			
200			Find discarded			
201	GT	003	Hammerstone	510.042	99.871	99.395
202			Find discarded			
203	GT	003	Quartz	505.607	101.123	49.562
204			Find discarded			
205	GT	003	Flint	510.286	96.533	49.129
206			Find discarded			
207			Find discarded			
208	GT	003	Charcoal	511.431	99.731	49.521
209	GT	003	Megalithic debris	510.456	97.574	49.258
210	GT	003	Megalithic debris	509.374	98.134	49.220
211	GT	003	Megalithic debris	505.277	100.216	49.520
212	GT	003	Megalithic debris	505.128	100.287	49.526
213	GT	003	Megalithic debris	505.122	100.375	49.375
214	GT	003	Megalithic debris	505.064	100.315	49.538
215	GT	003	Megalithic debris	505.044	100.374	49.525
216			Find discarded			
217			Find discarded			
218	GT	003	Pebble	510.448	98.225	49.267
219			Find discarded			
220	GT	001	Megalithic debris	512.588	88.603	49.135
221			Find discarded			
222	GT	001	Megalithic debris	513.083	88.488	49.244
223	GT	001	Megalithic debris	512.492	89.029	49.198
224	GT	001	Megalithic debris	514.232	90.127	49.378
225			Find discarded			
226	GT	001	Megalithic debris	514.612	90.360	49.439
227	GT	001	Megalithic debris	514.455	90.729	49.498
228			Find discarded			
229			Find discarded			
230	GT	001	Flint scraper	521.892	144.919	52.281
231	GT	001	Flint	515.201	88.818	49.364
232			Find discarded			

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233	GT	001	Flint	512.777	88.913	409.162
234			<i>Find discarded</i>			
235			<i>Find discarded</i>			
236	GT	017	Megalithic debris	509.317	96.013	49.579
237	GT	017	Megalithic debris	509.349	96.031	49.580
238	GT	017	Megalithic debris	509.311	95.936	49.628
239			<i>Find discarded</i>			
240	GT	017	Megalithic debris	511.030	96.997	49.359
241	GT	017	Megalithic debris	509.121	96.157	49.519
242	GT	017	Megalithic debris	509.638	96.623	49.520
243			<i>Find discarded</i>			
244			<i>Find discarded</i>			
245			<i>Find discarded</i>			
246	GT	017	Pebble	510.307	96.749	49.547
247	GT	017	Megalithic debris	510.271	96.920	49.537
248			<i>Find discarded</i>			
249	GT	001	Megalithic debris	521.317	144.785	52.209
250	GT	001	Flint	514.219	88.504	49.237
251	GT	017	Megalithic debris	511.404	97.068	49.254
252	GT	017	Megalithic debris	511.376	96.919	49.312
253	GT	017	Megalithic debris	510.253	96.774	49.532
254	GT	017	Megalithic debris	511.627	97.569	49.340
255	GT	017	Quartz	511.617	97.483	49.358
256	GT	017	Quartz	511.490	97.987	49.183
257			<i>Find discarded</i>			
258	GT	001	Megalithic debris	520.039	145.075	52.257
259			<i>Find discarded</i>			
260			<i>Find discarded</i>			
261			<i>Find discarded</i>			
262	GT	001	Megalithic debris	514.999	96.596	49.357
263			<i>Find discarded</i>			
264			<i>Find discarded</i>			
265			<i>Find discarded</i>			
266	GT	003	Megalithic debris	512.657	99.152	49.341
267			<i>Find discarded</i>			
268	GT	001	Megalithic debris	515.123	90.197	49.308
269			<i>Find discarded</i>			
270			<i>Find discarded</i>			
271	GT	026	Megalithic debris	511.196	96.009	49.515
272	GT	001	Hammerstone?	515.279	90.167	49.328
273			<i>Find discarded</i>			
274	GT	026	Megalithic debris	510.962	96.270	49.372
275			<i>Find discarded</i>			
276	GT	026	Megalithic debris	511.631	96.300	49.356
277			<i>Find discarded</i>			
278	GT	001	Quartz	514.918	89.128	49.242
279	GT	003	Megalithic debris	511.457	101.292	49.593
280	GT	003	Megalithic debris	510.841	101.704	49.619
281			<i>Find discarded</i>			
282			<i>Find discarded</i>			
283	GT	019	Megalithic debris	513.883	97.434	49.356
284			<i>Find discarded</i>			
285	GT	003	Megalithic debris	511.410	100.961	49.512
286	GT	003	Chert	508.757	101.922	49.599

287	GT	017	Megalithic debris	510.811	96.776	49.333
288	GT	017	Megalithic debris	510.818	97.376	49.308
289	GT	028	Megalithic debris	511.697	100.223	49.515
290	GT	028	Megalithic debris	509.786	100.461	49.962
291	GT	017	Megalithic debris	510.857	97.894	49.266
292	GT	028	Megalithic debris	510.677	102.782	49.629
293	GT	028	Flint	510.675	100.024	49.480
294	GT	028	Megalithic debris	510.952	100.238	49.446
295	GT	028	Megalithic debris	511.763	99.873	49.387
296			<i>Find discarded</i>			
297	GT	027	Quartz	514.728	97.857	49.522
298			<i>Find discarded</i>			
299			<i>Find discarded</i>			
300	GT	028	Flint	510.685	98.758	49.347
301	GT	028	Megalithic debris	511.828	98.509	49.184
302	GT	028	Megalithic debris	510.650	99.681	49.326
303			<i>Find discarded</i>			
304	GT	028	Megalithic debris	507.831	100.178	49.643
305	GT	028	Megalithic debris	511.325	101.713	49.587
306	GT	028	Megalithic debris	508.291	100.505	49.603
307	GT	028	Megalithic debris	510.077	98.288	49.165
308	GT	028	Megalithic debris	509.395	100.081	49.582
309			<i>Find discarded</i>			
310	GT	028	Megalithic debris	511.110	97.595	49.130
311	GT	028	Megalithic debris	511.455	96.153	49.249
312			<i>Find discarded</i>			
313	GT	028	Megalithic debris	510.181	101.568	49.456
314	GT	018	Megalithic debris	512.555	97.700	49.168
315	GT	028	Megalithic debris	511.544	99.320	49.231
316	GT	003	Megalithic debris	513.472	97.340	49.310
317	GT	028	Megalithic debris	511.027	96.718	49.194
318	GT	013	Megalithic debris	509.859	100.127	49.518
319	GT	018	Megalithic debris	513.039	98.162	49.141
320	GT	018	Megalithic debris	514.6	99.491	49.345
321	GT	018	Megalithic debris	513.446	99.621	49.299
322	GT	018	Megalithic debris	513.072	97.751	49.160
323	GT	018	Megalithic debris	513.756	97.294	49.245
324	GT	013	Megalithic debris	509.591	100.277	49.551
325	GT	013	Megalithic debris	509.379	100.482	49.550
326			<i>Find discarded</i>			
327	GT	011	Megalithic debris	509.376	92.564	49.392
328			<i>Find discarded</i>			
329	GT	011	Megalithic debris	508.614	91.601	49.389
330		011	<i>Find discarded</i>			
331	GT	018	Megalithic debris	513.430	97.712	49.193
332			<i>Find discarded</i>			
333			<i>Find discarded</i>			
334			<i>Find discarded</i>			
335	GT	011	Megalithic debris	510.371	91.114	49.222
336	GT	***	Megalithic debris	511.675	97.212	49.126
337	GT	013	Megalithic debris	508.784	100.887	49.503
338			<i>Find discarded</i>			
339			<i>Find discarded</i>			
340			<i>Find discarded</i>			

341	GT	018	Megalithic debris	514.263	97.401	49.193
342	GT	018	Megalithic debris	513.924	99.343	49.261
343	GT	011	Megalithic debris	510.052	91.377	49.214
344	GT	018	Megalithic debris	513.910	97.308	49.149
345	GT	018	Megalithic debris	513.938	99.411	49.233
346			<i>Find discarded</i>			
347	GT	018	Megalithic debris	514.516	97.233	49.149
348	GT	018	Megalithic debris	514.537	98.622	49.216
349	GT	018	Megalithic debris	513.998	98.538	49.188
350	GT	018	Megalithic debris	513.998	98.538	49.188
351	GT	018	Megalithic debris	514.573	97.499	49.120
352	GT	018	Megalithic debris	514.185	98.193	49.171
353	GT	028	Flint	509.256	100.41	49.486
354	GT	018	Megalithic debris	514.918	97.994	49.234
355			<i>Find discarded</i>			
356	GT	018	Hammerstone	510.631	99.521	49.784
357	GT	028	Megalithic debris	515.115	98.961	49.163
358	GT	018	Megalithic debris	514.298	98.324	49.105
359	GT	018	Megalithic debris	513.585	98.190	49.109
360	GT	028	Megalithic debris	510.730	97.574	49.077
361			<i>Find discarded</i>			
362	GT	018	Megalithic debris	513.041	98.235	49.064
363	GT	018	Megalithic debris	512.774	98.067	49.082
364	GT	018	Megalithic debris	512.868	98.549	49.129
365			<i>Find discarded</i>			
366	GT	018	Megalithic debris	514.448	98.211	49.062
367	GT	018	Megalithic debris	513.080	98.570	49.013
368	GT	018	Quartz	511.930	98.980	49.150
369	GT	009	Megalithic debris	510.815	87.733	49.006
370	GT	018	Megalithic debris	512.677	97.707	49.118
371			<i>Find discarded</i>			
372	GT	018	Megalithic debris	512.803	97.513	49.086
373	GT	026	Hammerstone	512.116	95.814	49.495

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