

2002

PVC-008-Dresch-Field Notes-2002

Patrick Dresch

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4 Feb 2002, Patrick Dresch

PO2-8-1

Weather is grey and rather humid, not too hot though, rained pretty hard last night, Got to VJ at 6:20 and sorted out equipment. Arrived at site at about 7:15.

Miscommunication with workers: area not cleared close enough to the ground. stood around for a while, then went to look for old survey points with Ed, we did not meet with success.

Everyone is working in SE part of site below the elite residential area, just west of Rio CACAULAPA. I am excavating the northernmost structure among this group (no. 96). My structure is next to the road cut and lays out the base a steep slope that goes up to the main site. It is unclear whether the structure runs into the slope or is free standing. This is due to the fact that a lot of tumble has fallen down the slope and may have buried the eastern side of the structure.

Unfortunately, this area of the site was buried to remove ground cover. This has left a thick deposit of ash, and will make any attempts at carbon sampling difficult.

This structure is very low, and difficult to discern on the surface. It is an oblong shape that runs parallel to the slope. I have tentatively identified the Western two corners. This allowed me to establish the Western structural line (oriented 220° as read from the NW most corner). From this line I established a 90° angle so that my trench is lying perpendicular to the Western structural line.

4 Feb 2002, Patrick Dreesch

POZ-8-2

This operation is designated as part of operation 18.
My initial axial trench has been designated sub op. G.

18G is 10m long and 1m wide.
Orientation: $310^{\circ} / 220^{\circ}$

I laid out my trench under Miranda's guidance.
The ~~18G~~ 18G goes through the middle of the Western Structural Line. The trench extends about ~~3m~~ 3m Westward of this to perceived line, in order to make sure I am not just looking at tumble and have a good approach to the structure for excavation.

1m intervals have been marked along the length of the ~~brack~~ trench using stakes, and "sharp" marks on the twine outline. Some of the stakes are not as accurate as might be hoped due to below ground stones. All stake points were checked in relation to each other horizontally, longitudinally and diagonally (using Pythagorean theory).

Woo hoo! Lunch soon. Will start excavation tomorrow.

5 Feb 2002, Patrick Dresch

202-8-3

Arrived at site 7:20. Weather is cool, mist, overcast, hopefully not too humid, some rain last night.

Will start excavation of trench 18G that I laid out yesterday.

First unit of excavation is the ^{East} ~~West~~ward most unit of 18G (18G/001). First unit is unit one.

18G/001 0-10cm BGS from SW corner of unit 1.
Workers: Guillermo (shorter), Alvarez (taller).
Alvarez is digging, while Guillermo clears.
Slight miscommunication, ~~as~~ 10cm has been dug at lowest end, while I had planned to measure from highest.
Soil: rich brown, though damp. Very loose, not many stones.

18G/002 ~~at~~ 10-20cm BGS from SW corner of unit 1.
Soil: rich brown, though damp, some roots, a few loose stones, a few grubs.
Obsidian, chert, BJ, ceramics.

18G/003 20-30cm BGS from SW corner of unit 1.
Soil: rich brown. Larger stones ~~as~~ (10cm long) are more frequent.
Lots of ceramics, obsidian, chert, BJ.

18G/004 30-40cm BGS - SW corner unit 1
No obvious ~~break~~ ~~break~~ change in stratigraphy.
Ceramics, obsidian, chert, BJ.

5 Feb 2002, Peabok Ditch

POZ-8-4.

18G/005 40-50 cm - SW corner unit 1

Break at 10:00 for 15 minutes

10:20, back to work

Soil: still rich brown, but harder, some flecks of white stones

Obsidian (grey & green), ceramics, chert, BS

Checked depth & we're shallow (should check more often).

18G/006 30-50 cm BGS - SW corner unit 1

soil: hard, rich brown, rocks are present

6 Feb 2002, Patrick Drach

P'02-8-5

Sky looks clear, should be hot later. Mist in the valley. Still working with Guillem & Alvarez. Started work 7:20

Finishing off 186/006

186/006 30-50cm B675 SW corner of unit 1
soil: hard, rich brown
sherds are lying flat not much sign of erosion.
∴ possibility that this is not a wash deposit.

~~186/006~~ 186/007 50-60cm B675 SW corner of unit 1
Found a large piece of pottery. Time for reassessment.
Talked to Bill. We think we have a midden.
Plan to go slowly, a few cm at a time. Working from West to East to see if the midden occupies the whole unit. Pot sherds seem to be getting larger with depth.
Starting to screen spoil from unit.
Soil: rich brown, clay like, lots of stones
10:40, removed large sherd, and am continuing down another 5cm in this lot.
Some flecks of carbon are showing up. Have managed to save 2 decent pieces.
Found lots of sherds, chert, BS & obsidian

7-Feb 2002, Patrick Drasch

P02-8-6

Starting Work 7:25. Clear sky, some mist.
Should be sunny later, nice we're in shade.
Soil damp from dew

1861/008 60-70cm BGS SW corner of unit 1
Soil: dark rich brown, very hard, especially with
morning dew.
Fewer finds, sherds tend to be smaller.
Chert, obsidian, BS, ceramics

1861/009 70-80cm BGS SW corner of unit 1
Hoping that this will be the last lot of this unit.
Soil: rich brown, very clay lots of clay, flecks of
carbon, small rocks, some large rocks at bottom
of lot

8-Feb-2002, PDR Patrick Dreesch

P02-8-7

Starting work 7:25. No clouds in the sky, cool. Will start on 2nd unit of excavation, which is 2nd most Eastward of 18G next to unit 1. Some rain last night.

18G/010 Taking off surface soil 0-20cm BGS. Judging level of depth of surface soil by looking at section in previous unit.
Soil: Rich brown, loose, some stones & roots, grubs.
Finds: A few sherds, and some Obsidian

18G/011 20-30cm BGS, SW corner of unit 2
Soil: rich brown, loose, some stones, roots.
Found: Bifacial, chert, obsidian, ceramics, BJ, organic nodule.

[Planning on doing only another 2 lots so approach to structure isn't too deep]

More Range of sherd sizes, some large (10cm) but mainly small. Screening began on this lot.

18G/012 30-40cm BGS, SW corner of unit 2
Soil: rich brown, hard.
Lots of sherds, mainly small. Not much BJ.
Also Chert & Obsidian

18G/013 40-50cm BGS, SW corner of unit 2.
Soil: rich brown, stones, hard. Some small bits of carbon.
13:46, starting to rain
Found a nice bit of polychrome with a little glaze on it.
Ceramics, obsidian, chert, BJ

11-Feb-2002, Patrick Drach

P02-8-8

Started work 7:20. Today is Monday, so we need to clean the 4th trench a little. There was some pretty heavy rain over the weekend and the trench is somewhat muddy.

The sky is pretty cloudy at the moment. It will either burn off or rain this afternoon. Cool at the moment but slightly humid. Felt last weeks notes were somewhat lacking & will try to improve.

186/014 ~ 80cm BGS, SW corner of unit 2.

We are leveling out the final lot and cleaning it up after the rain before the next unit. Maximum of 8cm depth, average 2cm. Probably should have included it in the previous lot, but handed those bags of finds into the lab on Friday.

Soil: dark, rich brown, heavy, ^{clay} wet. Pebbles: angular moderately - poorly sorted. 50% inclusions

Shards: quite a few larger pieces, a piece of strap handle, lots of small shards. Also obsidian & chert.

I have decided not to screen this lot as there is too much wet clay in the soil to make it practical.

186/015 0-20cm BGS, Taking off top soil of unit 3.

Unit 3 is 3rd most Easterly of 186

Soil: rich brown, silty clay. Pebbles: sub-rounded, poorly sorted. 15% inclusions.

Large stones at Western end of lot, clearing around them for time being, probably tumble.

Stones taken out: largest 22cm long, 16 wide, 12 deep.

Smaller 14cm long, 9 wide, 5 deep.

seem to be more shards in this topsoil than previous ^{topsoil} lots.

11-Feb-2002, Patrick Dreech

P02-8-9

18G/015 Lots of small sherds. Also some BS, obsidian & chert

18G/016 20-30cm BGS, SW corner of unit 3
Soil: rich brown, sandy clay. Pebbles: sub-angular
poorly sorted, 40% inclusions.
sherds, BS, obsidian, chert
Western face contains large stones, so we are
working on that with trowels not pigajunkie.
A large root has cause a small amount of S. face of
trench to fall in.
Taking out ceramics, BS, obsidian, chert & carbon.
Hope that carbon is deep enough to be usable due
to burning of surface scrub.

18G/017 30-40cm BGS, SW corner of unit 3
Soil: rich brown, sandy clay. Pebbles: sub angular
poorly sorted, 45% inclusions.
Flecks of carbon.
Some sherds have lots of micaceous inclusions
ceramics, BS, Chert, Obsidian

18G/018 40-50cm BGS, SW corner of unit 3
Soil: rich brown, sandy clay. Pebbles: angular,
poorly sorted. 40-50% inclusions
Almost finished, but will have to clear loose and
tidy up tomorrow

12-Feb-2002, Patrick Dreesch

P02-8210

Started work at 7:20. Guiller is shoveling out the loose from yesterday. Somehow both my predictions for yesterday's weather were right. The clouds burned off for afternoon work, then we had a little bit of rain when we got back to the compound.

Today's weather: cool, not too humid. Pretty dense cloud to the North, broken clouds in the South. Valley looks mist free.

I'm feeling a little tired this morning and have a very minor case of jungle tummy.

The final loose of 18G/018 is not being screened due to the wet clay in the soil.

18G/013 40-50 cm BGS, SW corner of unit 3.

Found: Obsidian, chert, BS, ceramics (mid sized pieces ≈ 5 cm long and smaller)

18G/019 0-20 cm BGS, taking off topsoil of unit 4.

Unit 4 is 4th most easterly of 18G.

Large stones on surface suggest feature may appear in this unit.

Soil: rich dark, rich brown, silty clay, very loose.

Pebbles: very few, vary between sub-rounded & rounded poorly sorted, $\leq 7\%$ inclusions.

Taking out tumble: largest 35 cm long 25 cm wide 14 Deep
smaller 22 cm " 7 cm " 7 cm "

Most tumble is smaller ≈ 10 stones taken out

One large one between units 3 & 4 will be taken out in next lot

Found a small part of a matate.

Due to slope SW corner at 40 cm BGS SE @ 20 cm BGS

12-Feb-2002, Patrick Dreesch

P02-8-11

18G/019 Found: ceramics, BS, obsidian, chert (previously mentioned ground stone).

18G/020 40-50 cm BGS, SW corner of unit 4.
Soil: rich brown, silty clay; harder than soil in previous lot.

Pebbles: rounded, poorly sorted, 40% inclusions.
Found a large ish piece of decorated handle, ceramics, BS, obsidian, chert.
Under large stones on W of unit are smaller compacted pebbles & stones.

18G/021 50-60 cm BGS, SW corner of unit 4.
Soil: rich brown, silty clay.
Pebbles: sub-angular, poorly sorted, ~40% inclusions.
Don Eduardo (Ed) suggested naming the feature at this point. Due to lack of inspiration & imagination at this time I will use the greek alphabet for naming. \therefore Feature running roughly N-S along W edge of unit for 4 shall be known as Alpha (α).
Found: ceramics, BS, obsidian, chert

18G/022 Topsoil of unit 5. Unit 5 is 5th most Easterly. Eastern side of unit should show back face of α .
Soil: dark rich brown, silty clay, very loose.
Pebbles: few, vary between sub-angular & rounded poor sorting.
Found white stone that Ed says is rare in this area (some road/rails).
Will finish lot tomorrow.

13-Feb-2002, Patrick Dresch

P02-8-12

Starting work at 7:10. Sky is gray, no ~~break~~ break in clouds. Clouds are low on mountains, but no mist in valley. Cool at the moment, not humid, clouds will probably burn off. Didn't rain yesterday so excavation shouldn't be difficult in that respect.

Finishing 18G/022 from yesterday.

18G/022 Topsoil of unit 5. Appears to be between 50% and to 60% inclusions.

Seem to have uncovered the foundations of a floor ~~Below 022~~

Quite a few rocks in SW corner of this unit
25 cm BGS, SW corner of unit 5.

18G/023 Topsoil of unit 6. Unit 6 is 6^m most Easterly of 18G. Looking to see if ~~if~~ ^{BGS/stones} continues below topsoil of unit 6.

Soil: dark rich brown, silty clay, very loose
Pebbles: few, vary between sub-angular & rounded
poor sorting.

Found odd looking cloud shaped stone 3cm long 2cm wide.
Had planned to go down to floor level in one lot, but have decided to make it 2 as it is rather deep and want to look for levels of wash.

Grader Pulling some large tumble.

Finds: Ceramics, BS, Obsidian, Chert
≈ 60% inclusions

0-20 cm BGS, SW corner unit 6

13-Feb-2002, Patrick Desch

P'02-8-13

18G/024

20-40 cm BGS, SW corner of unit 6
Continuing down in unit to look for ~~stone~~ stones floor.
Soil: Dark rich brown, hard, silty clay
Pebbles: Quite a few sub-angular & rounded
Poor sorting.

Muel seems to have hurt his thumb but hitting it on a rock. Doesn't seem to be serious as he is continuing to trowel with that hand.

Guillmer & Muel are trying to teach me to roll my R's, but I am not meeting with much success.

Sherds coming out are reasonably large.

Working on levelling out the unit.

No continuing sign of a floor, so perhaps stones next to Alpha were only backfill.

Finds: ceramics, obsidian, chert, BS

18G/025

Topsoil of unit 7, 0-30 cm BGS SW corner unit 7
Unit 7 is 7th most Easterly in 18G.

Soil: Dark, rich brown, silty clay, dry & loose
seem to be uncovering another feature on V half of unit 7.

50% of unit is taken up by perceived feature.

Poor sorting among inclusions.

Finding: Ceramics, BS, Obsidian, Chert (very little chert, possibly 2 pieces.)

18G/026

30-40 cm BGS, SW corner unit 7

Soil: Dark, rich brown, silty clay, harder than topsoil.

Looking to uncover base of feature

Finds: Ceramics, BS, Obsidian, Chert

Nothing below feature in terms of foundation.

13-Feb-2002, Patrick Drasch

P02-8-14

186/027 Topsoil of unit 8, 0-10 cm BGS, SW corner of unit 8.
Unit 8 is 8th most Easterly in 186
Soil: lots of ash on surface, plant debris, Dark rich brown
silty clay, dry and loose
A few angular angular pebbles \approx 2% inclusions
Not many finds: a few ceramic sherds and a piece
of chert

186/028 10-20 cm BGS, SW corner of unit 8.
Soil: Dark, rich brown, silty-clay, harder than
topsoil.
Pebbles: angular & sub-angular, 15% inclusions
End of day: will finish this lot tomorrow.

14-Feb - 2002, Patrick Dresch

2002-8-15

Sky is very grey, there was a little rain this morning. Clouds are very low on mountains. Avel thinks it might rain again later.

Feeling pretty good, not as tired as before. Just as I'm getting used to the schedule it changes. We're going off to Copan tomorrow.

Starting today by finishing unit 8. Taking out loose from yesterday and levelling out lot 028.

186/028 Found: sherds, obsidian, chert, BJ.

186/029 Topsoil of unit 9, unit 9 is 9^m most Easterly in 186.
0-20 cm B6S SW corner of unit 9.

Soil: Dark rich brown, silty clay, loose. Ash on surface, lots of roots, no pebbles only possible feature think
Naming feature in unit 7 Beta (B).

~8:00, light spitting rain.

Another possible feature running across unit 9.

Found: a few ceramics, a piece of chert

186/030 Topsoil of unit 10, unit 10 is 10^m most Easterly of 186.
Final planned unit of this trench, but may have to extend the trench further.

0-30 cm B4S SW corner of unit 10.

Soil: Dark rich brown, silty clay, loose. Lots of roots. Some angular pebbles, ~20% inclusions.

9:00, started raining.

named feature on W edge of unit 9: Gamma

Found: Ceramics, chert, Obsidian, BJ

18-Feb-2002, Patrick Dreech

P02-8-16

Sky is grey with a few denser clouds. Will probably burn off by midday. Today is the first day of excavation since Thursday. Seeing Copan was great, but I doubt I'll find a huge, bright red temple in my trench. Perhaps if I tunnelled through the steep slope at the Western of the trench I would have more luck.

Am feeling tired this morning and am starting to look forward to spring break in two weeks time. Starting with tidying up and levelling off the previous lot. It looks like there might be a level of debris in the stratigraphy. Started work 7:20.

186/031 Levelling off at 30cm BGS, SW corner of unit 10. Last Thursday was a half day due to rain, don't know if we had any more. Some spitting rain 7:30.

Soil is dry at the moment, so I guess we didn't have enough rain to make it muddy.

Soil: Dark rich brown, silty clay, fairly loose.

Some angular ~~pep~~ pebbles. 40% inclusions.

Artifacts recovered are probably part of terminal debris layer is thickest at W most end of unit 10.

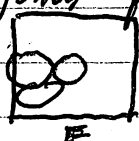
Taking out three large rocks of tumble.

Stones \approx 40cm by 30cm.

Some ~~for~~ ~~pep~~ pieces of ceramic include incision decoration, some are painted. Most shards are small. Just pulled out part of a base of a vessel that looks like it has a complex incision pattern (was under N most of 3 tumble stones).

18-Feb-2002, Patrick Drach

P02-8-17

2001/031 3 bumble stones were in a triangular pattern against the southern face of unit 10: S  N

Finds: Ceramics, BS, Chert, Obsidian

Commented: Interesting base of vessel: 7cm across 4.5cm high

I have probably not described the features in sufficient detail, so while I wait for advice on how to continue, I shall take a brief aside:

Alpha: 40m Runs from 222° S to 42° N.

Right on the boundary between units 5 and 6.

Some smaller stones (20cm long by 10cm high) on top, then a single layer of larger stones (largest 80cm long, 25cm high; others \approx 35cm long by 25cm high). Underneath there are ~~the~~ packed smaller stones.

Total Feature height \approx 65cm.

Beta: Runs parallel to Alpha 222° to 42° N.

Single layer of stones deep.

On Western most edge of unit 7.

\approx 84cm wide. Some white limestone & range of size
Average stone: 25cm ~~cm~~ long, 15cm high.

Gamma: Parallel to Alpha & Beta 222° to 42° N.

On boundary between units 8 and 9

Low feature: 15cm high, possibly 40cm deep.
Stones are small \approx 5cm high, 20cm long.

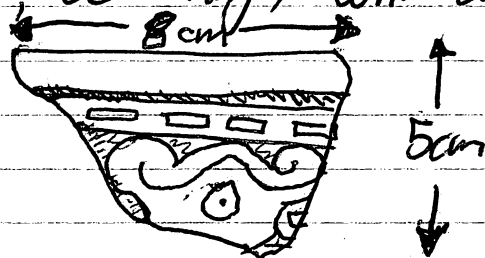
18-Feb-2002, Patrick Dreesch

FO2-8-18
186-8-18

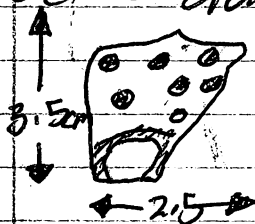
186/032 30-50 cm BGS, SW corner of unit 10.
looking to see if there is a back to Gamma.
Western most edge of unit has much whiter soil than
seen in rest of trench, this soil is hard.
Eastern of 186/032 is still dark rich brown, silty clay,
hard, but looser than whiter silty clay.
Pebbles: Angular & sub angular 20-35% inclusions.
Found a round piece of ceramic with clip in middle
2.5 cm across 1 cm high.
Might be broken off foot of pot. Pat suggested before
and later intentionally smoothed at top.
Bringing this lot into unit 1 in search of back of
Gamma.



Found a piece of dark green chert
Took out row of tumble behind Gamma.
Found rim of vessel 8 cm long, 5 cm high with design
possibly Copan Carved



Found another piece of
possible Copan carved,
does not look flat enough to
be a stamp: 3.5 cm high 2.5 cm wide.



Finding a few sherds and pieces of obsidian
in the soil between the stones of Gamma.
Found: Ceramics, Obsidian, Chert, BS

18-Feb-2002, Patrick Dresch

P02-8-19

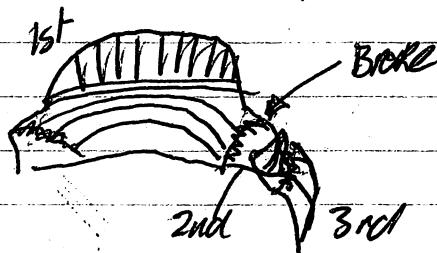
Adding on another unit (11) to 18G. Is situated at W most end of trench. Looking for another wall.

18G/033 Taking off topsoil. ϕ -3 ϕ cm BGS SW corner of unit 11.

Found piece of figurine/oxarina (?)

Broken in excavation into 3 pieces.

largest piece 4cm tall, 5cm wide



2nd piece is 2cm by 2cm includes projecting part
3rd piece is 3cm by 3cm and has some curved lines continuing from piece 1.

Soil: dark rich brown, silty clay, loose.

Pebbles: some large loose & small sub angular pebbles \approx 35% inclusions

Raining harder at lunch break, will have to finish this by tomorrow.

19-Feb-2002 Patrick Drach

P02-8-20

Yesterday the clouds were about to burn off, then during lunch it began to rain and we called it a day.

This morning is very humid and there are clouds very low on the mountains. There is some slight precipitation this morning.

I think everyone is feeling tired, and the grey weather doesn't help. Started work 7:10

186/p33 There are some rocks in the SW corner of unit 11, which I am choosing not to remove at the moment as they may be part of a line that extends South.

Picking up some of the same white soil from 186/p32 on W most edge of unit 11 (186/p33)

Starting to take out rocks in SW corner to try and determine if feature is present.

Removed: 2 small stones from top, nothing underneath, some artifacts.

1 large stone \approx 30cm high, 35cm long 24cm wide and 1 smaller stone lower but not beneath.

No signs of foundations, very few sherds, leaving 4, perhaps 5 stones in the corner.

Will continue down to expose white layer

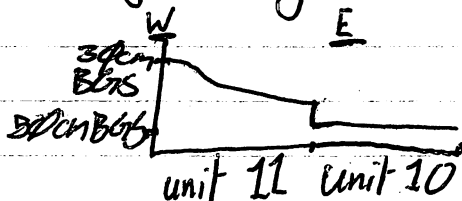
Finds: Ceramics, Chert, obsidian, 5. part of figurine/corina (P02-8-19)

19-Feb-2002. Patrick Dineen

102-8-21

186/034 Taking off layer of bla rich brown, silty clay containing sherds. Attempting to expose layer of white rock (?) underneath.

Expect to find layer to represent:



Soil contains angular and sub-angular pebbles, 20% inclusions.
Finds: Ceramics, Obsidian, Chert, BS

Anticipated section was roughly correct.
Will now go back to units 10 and 9 to continue search for white level.

186/035 This lot extends 1.2 m from Gamma ~~in~~ to W.
Starts at 50cm BGS, SW corner unit 10
Taking out dark, rich brown soil. Silty-clay, very hard
Found a possible sherd of Polychrome
35% inclusions

Pat & Ed have suggested the possibility that I have a staircase cut into the white rock.

Excavated so that deepest point is 50cm W of Gamma
84 cm BGS, SW corner of unit 10

Looks very uneven for steps.

Finds: Ceramics, Obsidian, Chert, BS

20-Feb-2002, Patrick Dresch

P'02-8-22

Starting work at 7:10. Sky is clear, birds are singing and no jaguars have fallen into my trench. Despite worries about rain yesterday, the clouds burnt off just before lunch.

Managed to get a bit more sleep last night and am raring to go.

Have added on another unit to 1867 (12). That lies on the W end of 186 next to 11. I will look for signs of features in this unit and follow the layer of white rock up the slope.

186/036 Taking off topsoil of unit 12, 0-20cm BGS, SW corner of unit 12.

Soil: Dark, rich brown, silty clay. Very loose, lots of plant roots.

Many large stones (≈ 14) averaging ~~25cm~~ 25cm long 20cm wide 20cm deep.

Very few pebbles maybe 1 or 2%

Large stones cover $\approx 50\%$ of unit.

Starting to take out perceived tumble:

1 large stone 45cm long 20cm deep 30cm wide which lies along W-E line, on 1 end next to E side of unit 12.

There are a few pebble underneath and layer of TD seems to lie directly beneath this stone.

Angular pebbles become frequent just above debris layer.

Found: Ceramics, Obsidian, Chert, BS

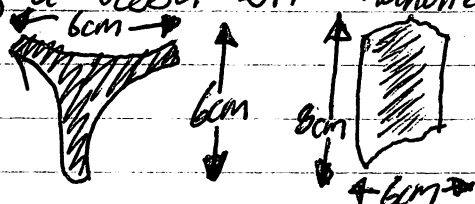
20-Feb-2002, Patrick Dreesch

P02-8-23

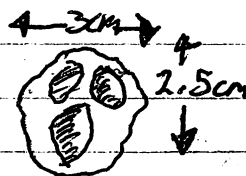
- 186/037 Taking out layer of debris, probably TD possibly midden continuing from unit 1.
20 - cm BGS, SW corner of unit 12.
Soil: Dark rich brown, silty clay, ~~and~~ harder than topsoil.
Some angular pebbles $\approx 10\%$ inclusions.
After removing some tumble, large stones take up $\approx 25\%$ of area.
Checked with Ed, and he ~~does~~ thinks large stones are tumble, so out they go.
Most sherds are small (≈ 3 cm long) but there are also some bigger ones ($\approx 6-8$ cm long).
Found: Ceramics, Obsidian, Chert, BJS.
Found odd white chert blade that looks wet.

Going back to unit 2 to find depth of midden

- 186/038 50-70 cm BGS, SW corner of unit 2.
Soil: Dark rich brown, clay/silty clay. very hard
Pebbles tend to be sub round, high concentration of stones
Total of 40-50% inclusions. 4-5
Sherds tend to be quite large 5-6 cm long 2-3 cm wide
Also large sherds ≈ 8 cm long, 7 cm wide
Guillmer has pulled out an interesting sherd. It is made of dark clay, same color throughout, a few small inclusions. Probably part of a vessel with handle, has a few small scratch marks that probably occurred during manufacture.



Also found a chert ^(ref) flake that looks like the screen:



20-Feb-2002, Patrick Dresh

P02-8-24

186/038 Found a large sherd (11cm by 8cm), all edges are broken, guess it was part of a large vessel.
Ed suggested that dents in piece of Chert that looks like scream marks are pockmarks caused by heating.
Soil is very wet on W side of unit 2 just under the surface of this lot.
Found: Ceramics, Obsidian, Chert B5

186/039 70-90 cm B5s, SW corner of unit 2.
This will make unit 2 level with unit 1
soil: Dark rich brown, clay, very hard.
Some sub angular pebbles, poorly sorted ~ 15% inclusions.
Lots of small pebbles near bottom of lot.
Fewer sherds in this lot, all are fairly small.
This lot is almost done, but will have to clear of the loose soil levelling tomorrow.

21-22 Feb-2002, Patrick Dreech

P'02-8-25

Started work at about 7:15. Guillmer has brought a radio to work today, so I have a chance to achieve some cultural enlightenment in terms of Hawaiian music. I doubt the music will affect their concentration (don't know about my own) and hopefully it will keep them entertained & so the afternoon won't be as slow as usual.

Didn't have any rain yesterday, the sky is clear. For some reason I am writing my notes while facing into the sun, which is low on the horizon, and am somewhat blinded. Today will probably be very hot, but at least we have shade during the morning in units 1 and 2 where we are presently working.

Ed is going to Las Canoas this afternoon, so I won't have any higher authority to question. I discussed my plan for the trench with him, which is:

- Combine units 1 and 2 and then go down in intervals of 10cm.
- Continue this until bottom of midden is satisfactorily reached.
- Plan out sub op running S from 1861 along Alpha.
- This sub op will start out as 3 units long.

So I know what I want to do, and now I just have to wait for the seat of my pants to dry out after sitting in the back of a truck with leaking toilets. Why did Nick and Mara decide to take the seats out of the cabs? We may never know.

1802/09 70-00m Blots, SW corner of unit 2, clearing out loose and finishing levelling. Pulling out a few more birds.

21-Feb-2002, Patrick Dreesch

PDZ-8-26

186/p39

Findings: Ceramics, Obsidian, Chert, BQ
Lots of Obsidian has come out of this lot, however, as with the rest for of 186, there are very few blades. Instead: cores (sometimes completely covered with pearlyite), and small flakes. Some specks of Carbon were visible in soil.

189/p40

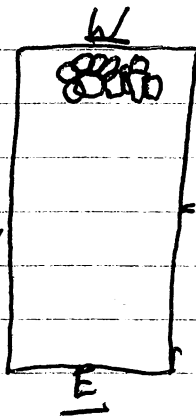
Units 1 and 2 have been combined for this lot.
90-100 cm BGS, SW corner of Unit 2.
Soil: dark rich brown, clay, very hard.
There are some larger stones along W face of Unit 2 (8cm long). There may be also one or two larger stones along the E edge of Unit 1.
I had discussed screening with Pat and Ed yesterday. However, the soil has too much clay to make this plausible, feasible, and someone forgot to pack the screens today. (In other words, I'm not screening.)
Pulling out quite a few large pebbles (8-10cm) from E of Unit 1.

Pebbles vary between Sub-angular and Sub-rounded.

Poorly sorted, roughly 15% inclusions.

There is a group of stones in at the W edge of Unit 2 that are packed together:

These stones are probably humble (though unlikely considering depth within midden), or unrelated to a feature and deposited before the midden.



Unit 2

N

Unit 1

Will take out more soil before making the decision as to whether or not to remove them.

21-Feb-2002, Patrick Dreesch

P02-8-27

186/040 Found a stone that I put in my bag of obsidian because it looks like red and black obsidian. Shards range in size from very small to about 7 or 8 cm long.

One of the larger shards has horizontal scratch marks that may be decoration or manufacture marks.

Have decided stones are not a feature and so am removing them, while levelling of this lot.

During our ~~break~~ ten o'clock break I built a trap of loggers. Then back to work levelling the lot.

Found: Ceramics, Obsidian, Chert, B.J.

Due to large quantity of Obsidian, we will go down a further 10 cm.

New plan for this unit: Measure Guillmer's height by seeing how deep we have to go before he can't see over the edge.

On second thought, maybe not.

186/041 100-110 cm BGS, SW corner of unit 2.

Soil: rich brown, heavy clay.

A few sub angular pebbles, about 5% inclusions ~~starting to hit another~~ Might be hitting another soil pod, lighter colored, grittier and looser.

Since soil has so much clay, it sticks together in big lumps, which makes looking for small pieces of Obsidian difficult.

Found a piece of chert with similar dents to that found in 186/038.

So this soil is very similar to that found in unit 11 before hitting the white rock, so I plan to go a further 10 cm in unit 2.

Found: Ceramics, Obsidian, Chert.

21-Feb-2002, Patrick Duesch

P02-8-28

186/042

110-120 cm B675, SW corner of unit 2.

Loose gritty grey soil to W of unit, heavy clay to E.

Only excavating in unit 2.

Will hopefully reach soft white rock.

After a couple of shovel scrapes on in W edge white rock was uncovered. I have told Crillman and Abel to follow this down, \therefore E side of unit will be deeper than W.

Looks like we may not have found white rock, but just some small pieces, will continue this lot tomorrow

22-Feb-2002, Patrick Dresch

P02-8-29

Started work at 7:25. No rain yesterday. Clouds in the sky this morning, can still see patches of blue, clouds are above the mountain tops.

Feeling rather tired this morning and am not really looking forward to the trip to the banana plantation tomorrow. I'm pretty sure I would prefer to sleep late.

Arrived at site slightly late due to late departure from VJ.

Tensions seem to be rather high all around, especially with Jojo putting her back pack in the truck that everyone has to ride in.

Anyhow, enough complaining, to work. Continuing with 18G/042. Doubt we're going to find the white rock I was hoping for.

18G/042 110-120 cm B65, SW corner of unit 2.
So far we've taken out 2 pieces of obsidian.

A few drops of rain have started to fall

Total of 3 pieces of obsidian found.

looks like white rock may be starting to appear along W edge of unit. Discussed this with Guiller and Avel and they think it might be the same as in units 10, 11 and 12. However, Avel says that since it is deeper in this unit it will be damper and is not quite the same as in the other units. Have decided to go down a further 20cm and if we don't find the white rock we will move on.

18G/043 120-130 cm B65, SW corner of unit 2.

Looking for white layer of white rock. 2 types of soil: heavy brown clay, and griftier grey soil. No sign of inclusions.

22-Feb-2002, Patrick Dreech

P02-8-30

~~18G/04/001~~ Pretty sure the white rock has been found, so will continue in this unit to take away clay above it. Cleared to surface of white rock, much better than earlier units.

Found 1 piece of obsidian.

Now moving on to new sub op: 18N. This runs S along the line of Alpha. It is made of 3 units, each $1m^2$. The line runs from $222^\circ S$ to $42^\circ N$. Unit 1 is closest to Alpha.

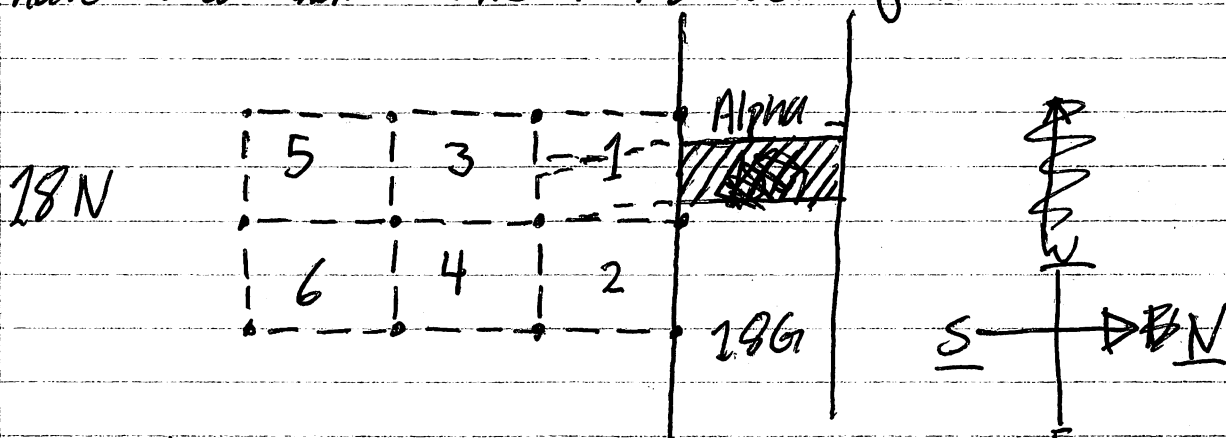
18N/001 0-15 cm BGS, S W corner of unit 1.

Taking off topsoil. Soil: Dark rich brown, very dry and loose, lots of organic material in the soil.

A few angular pebbles ($\approx 2\phi$).

Starting to expose top of Alpha.

It looks like Alpha is slipping down the hill a bit, so I have added another metre to the East of 18N:



Found: Lots of sherds (no larger than 6cm long - most are smaller), obsidian, chert, BS.

18N/002 Taking off topsoil from unit 2, 0-30 cm BGS SW corner of unit 2.

Soil: Dark, rich brown, very dry and loose, Poorly sorted angular

22-Feb-2002, Patrick Dreech

P'02-8-31

18N/002 Pebbles $\approx 5\%$. $\rightarrow 10\%$ with depth

Lots of plant roots.

There is a line of stones running along the border between units 1 and 2. There is a space of roughly 10cm between this line and Alpha. These stones may be tumble from Alpha, however I may wait until unit 3 before deciding what to do with them.

Found: Ceramics, Obsidian, Chert, BS

18N/003 Topsoil of unit 3. \varnothing -15cm Bbs, SW corner of unit 3.

Unit 3 is the 2nd in the W line of 18N, (P'02-8-30).

Soil: Dark, rich brown, dry and loose. Lots of roots and organic material in soil.

Hard to tell if line East of Alpha continues, will have to wait till unit 4.

Found: Ceramics, Obsidian, Chert, BS

18N/004 Topsoil of unit 4 \varnothing -30cm Bbs, SW corner of unit 4.

Unit 4 is the 2nd in the E line of 18N, next to units 2 and 3. (P'02-8-30).

Soil: Dark, rich brown, very dry and loose, poorly sorted angular and sub-rounded pebbles $\approx 10\%$ inclusions.

Will finish this lot on Monday. When I will also have another 2 Workers.

25-Feb-2002, Patrick Dreich

P02-8-32

Started work 7:20. It rained pretty hard on Friday afternoon, and the nights have been pretty cold lately. The soil is damp. The sky has a few clouds, but the sun is shining brightly on the site. A light haze hangs over the mountains.

I'll be getting another two workers later today and I'll see how I work my notes for that. I think I'll have them start a trench running S along Gramma.

Continuing with 18N/004 this morning.

18N/004 Pulling out a lot of sherds. Most are about 3cm long. However there are a few larger sherds ~ 8cm long. Some pieces of strap handle have been found, also sherds with incision or decoration.

Along with many small flakes a large (3cm) obsidian blade has been found.

There are several large chunks of BS.

The line of stones between units 1 and 2 seems to merge into Alpha.

[Have planned out 18Q. It is 3 excavation units long and runs from 218°S to 38°N, along Gramma.]

[Avel has suggested that the three of us go to a bar called Glorietas on Saturday, where they serve beer and tacos. The bar is in Petoc. I said it was a good idea but would have to wait until after Spring break.]

Found: lots of ceramic sherds, obsidian, chert, BS.

25 Feb-2002, Patrick Dreech

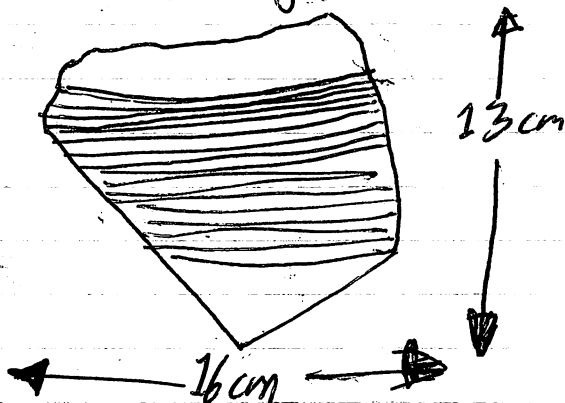
P02-8-33

18N/p05

Taking off topsoil of unit 5. Think that this will be the end of Alpha, ending in a corner.

Immediately removed a large sherd:

16cm wide, 13cm high, 2.5 cm thick. Pattern of incised lines.



Soil: Dark, rich brown silty clay. Dry and loose
Inclusions: Alpha only seems to be along N edge of 18N/p05. Some sub-angular pebbles $\approx 10\%$.

Also roots and plant matter.

Further down in lot there are more pebbles $\approx 20\%$

These pebbles are quite large $\approx 10\text{cm}$, 10cm by 5cm .

Finds: Ceramics, Obsidian, Chert, BJ

0-20cm, BGS, SW corner of unit 5.

18N/p06

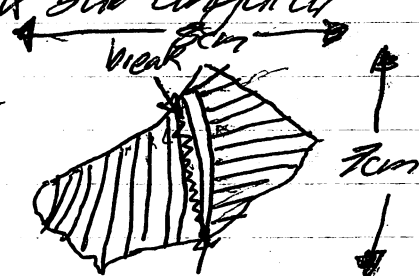
20-40cm BGS, SW corner of unit 5.

Bringing unit 5 down, level with units 2 and 4.

Soil: Dark, rich brown, silty clay, clumper and harder than topsoil.

Inclusions: 20-25%, sub-rounded & sub-circular pebbles.

Found a sherd (broken in 2 when taken out) that has incised cross hatch pattern

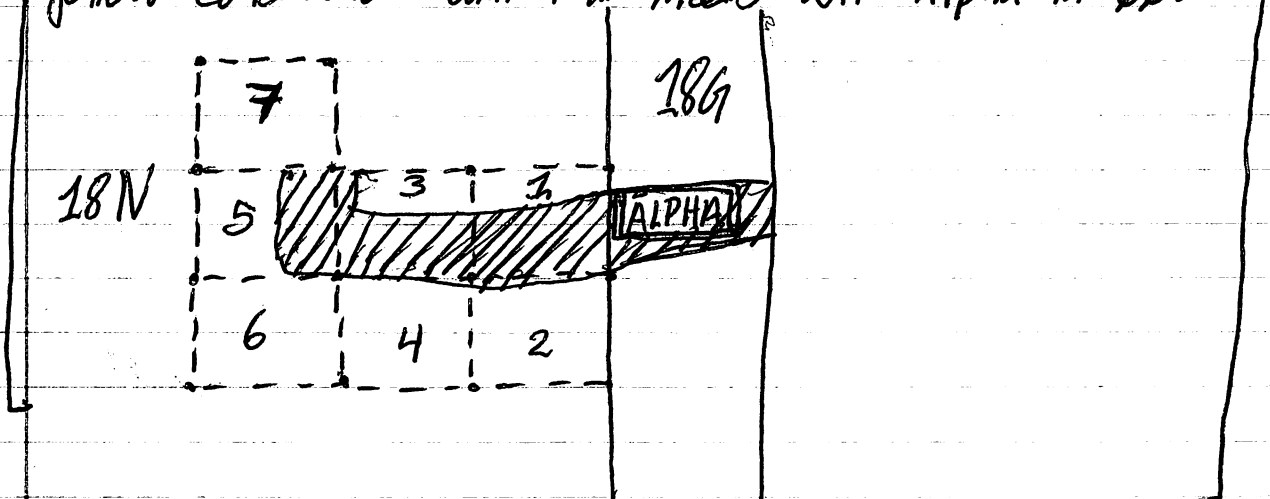


25-Feb-2002, Patrick Dreesch

P'02-834

18N/006 Found a small green obsidian blade (2cm long 1cm wide).
Found a large block of white chert (~12cm across) at
Wedge of 006. No sign of it having been worked.
Haven't

Have plotted out another unit for 18N in order to
follow construction unit that meets with Alpha in 006:



Found: Ceramics, Obsidian, Chert, BS

Tomorrow: Onto unit 6.

Maybe I'll get another 2 workers tomorrow.

26-Feb-2002, Patrick Dreech

T02-8-35

There are a few clouds in the distance, but the sky above the site is clear. Last night wasn't cold, as the previous ones have been. This morning is mild, but it will probably get pretty hot this afternoon.

Started work at 7:15. Started with sweeping up some loose from yesterday. Now moving on to ~~unit~~ 18N/006, unit 6 of 18N.

Got it bit more sleep last night than the night before, so hopefully I won't be as tired today.

18N/007 Taking off topsoil of unit 6. Ø-30cm BGS, SW corner of unit 6.

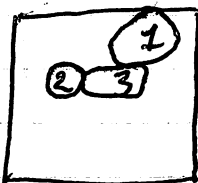
Soil: Dark rich brown, silty clay, dry and loose. Lots of plant roots.

A few angular pebbles $\approx 2\%$

[Pat and Ed are beginning to draw the sections for 18G.]

There is some tumble near the centre of the lot:

Tumble taken out



1: 30cm ^{long} (↔) 22cm wide (↕)

2: 12cm " (↔) 15cm "

3: 29cm " 20cm "

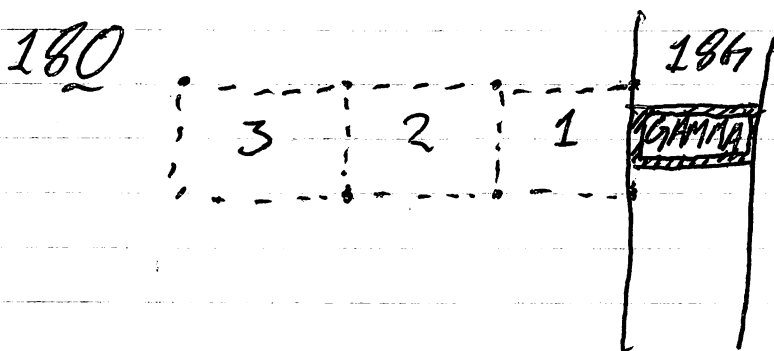
More pebbles after 10cm $\approx 10\%$ angular
Pebbles vary between angular and sub-rounded.

Have just received 2 more workers. Younger is Juano (?), Older is Roberto (?). have started them on 18Q.

26-Feb-2002, Patrick Dreech

P02-8-36

180/001 0-20cm BGS, SW corner of unit 1.
Unit #1 is the first unit of 180 and is at its V most end next to 186.



My 2 new workers do not seem to have had much experience. I have had to explain the concept of staying within the unit when digging, looking through the base for artifacts, the fact that we are looking for sherds, BS, obsidian, chert. I doubt that they will always recognize sherds. Soil: Dark, rich brown, silty clay, loose lots of plant roots.

A few sub-angular pebbles. ~ 2%

[Have given the line of stones in front of Alpha the designation Delta.]

18N/001 A large sherd has been found:



Found: Ceramics, Obsidian, Chert, BS.

26-Feb-2002, Patrick Dreesch

P02-8-38

18N/008 Have cleared the construction unit that heads West from Alpha. It runs from 120° E to 300° W. However, this line is probably not very accurate due to the small section on which it was based. Have labelled this CU. Epsilon.
Found: Ceramics, Obsidian, Chert, BS,

18O/001 Have Tucano and Roberto back working on 18O. Finished the lot.
Found: Ceramics, Obsidian, Chert, BS

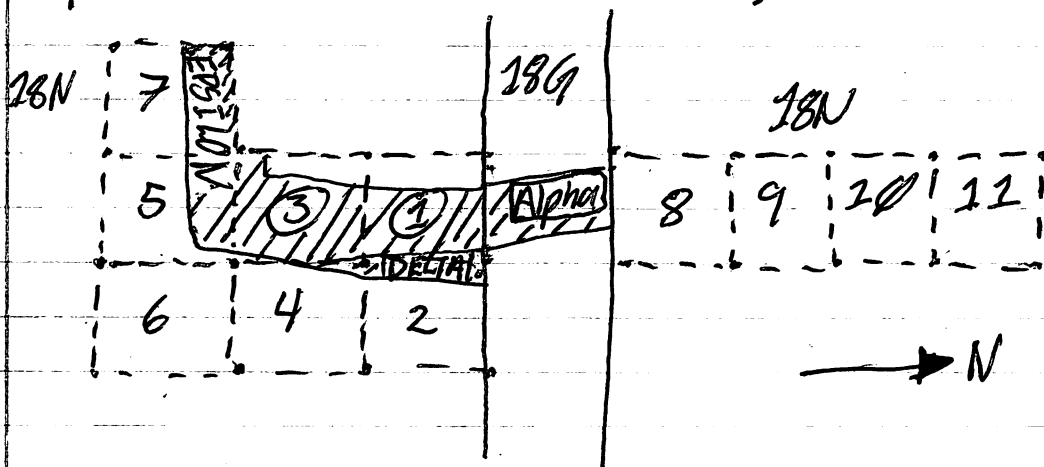
27-Feb-2002, Patrick Dresch

P02-8-39

We went to Las Canoas this morning to see what Miranda and Bryan are doing, and to help us think up topics for projects. It was very hot, humid and dusty over there, although it looked like an interesting site.

Back at El Coyote it is much cooler with grey clouds hanging over the mountains to the East and blue skies to the West. Either it will get very hot, or rain, or maybe both.

Have added on another 4 units to 18N running along Alpha to the North (P02-8-38).



Guilmer and Started work at 9:50.

Guilmer and Axel are working on unit 8 of 18N

Juano and Roberto are working on unit 2 of 18G.

18G/002 Taking off topsoil of unit 2 from around Gamma.

Q - 20 cm BGS, SW corner of unit 2.

Soil: Dark rich brown silty clay, very dry and loose. Some plant roots

Pebbles: a few sub-angular, $\approx 2\%$

Taking out quite a lot of Carbon, hopefully it can still be used despite proximity to surface. Taken from West of Gamma.

27-Feb-2002, Patrick Dreesch

P02-8-40

18N/009

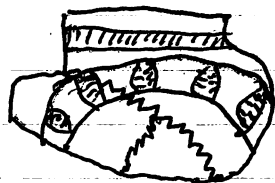
Taking off topsoil of unit 8 from around Alpha.

0-20cm BGIS, SW corner of unit 8

Soil; Dark rich brown silty clay, very dry and loose.

Some angular & sub-rounded pebbles $\approx 5\%$

Found a sherd (broken into 3) that Guiller and Avel describe as "Cara" (?).



The rim of the sherd is
flared out with a line
6.5cm running beneath it.

The curved band has been
added on to the outside
and has a series of round
indentations along its top

18O/002

Found what I think is black, maybe burnt, BJ.

It looks a lot like Carbon, so there may be some of it
wrapped in tin soil.

I have encouraged Juano to work on the edges with a
trowel, since he does not have the precision of Avel with
the Puajante.

[The weather is very humid, and a light spitting rain has started (11:27)]

Finding a lot of BJ right up against the W face of
Guiller.

Found: Ceramics, Obsidian, BJ

no chert in Lithics bag but possible at this stage that
they missed it.

Found a couple of pieces of chert near end of lot

27-Feb-2002, Patrick Dresch

P02-8-41

~~18N/1000~~ Taking topsoil off of unit 9.

0-20 cm BGS, SW corner of unit 9.

Soil: Dark rich brown, silty clay, dry and loose.
Not much in terms of pebbles, maybe 1 or 2% sub
angular

Rained quite hard during lunch, continuing to
drizzle.

Taking out quite a few sherd.

In units 8 and 9 there seems to be rubble in
front of Alpha, but I am waiting to take it out
to make sure it is not part of Delta.

Will have to finish this lot tomorrow.

Wow, somehow Guillermo & Axel finished the lot.
Found: Ceramics, Obsidian, Chert, BS,

Hasta Manana, raining again.

28-Feb-2002, Patrick Dreesch

P02-8-42

Started Work at 7:10. Juana and Roberto are working on unit 3 of 18O. Guillermo and Avel are working on unit 10 of 18N.

After the rain yesterday, the soil is very wet. The bottom of unit 2 of 18G is flooded and part of its W wall has fallen in. There is also some flooding on the W side of Gamma in units 9 and 10 of 18G.

The sky is very grey this morning, although the clouds are above the mountains. This morning is cool but fairly humid. I think the cloud will burn off by lunch, but there is a good chance it will rain this evening.

18O/003 Topsoil of unit 3.

Looking for corner where Gamma meets Epsilon.

Soil: Dark rich brown, damp from rain but still loose.

[At 7:26 the water level in unit 2 of 18G is 3.5cm]

Not much sign of inclusions, maybe 1% sub-angular pebbles.

Picking up Epsilon about halfway across unit.

Found a small piece of Carbon inside corner of Gamma and Epsilon.

18N/011 Taking off topsoil from unit 10 from around Alpha.

0-20cm BG5, SW corner of unit 10

Soil: Dark, rich brown, reasonably loose despite damp.

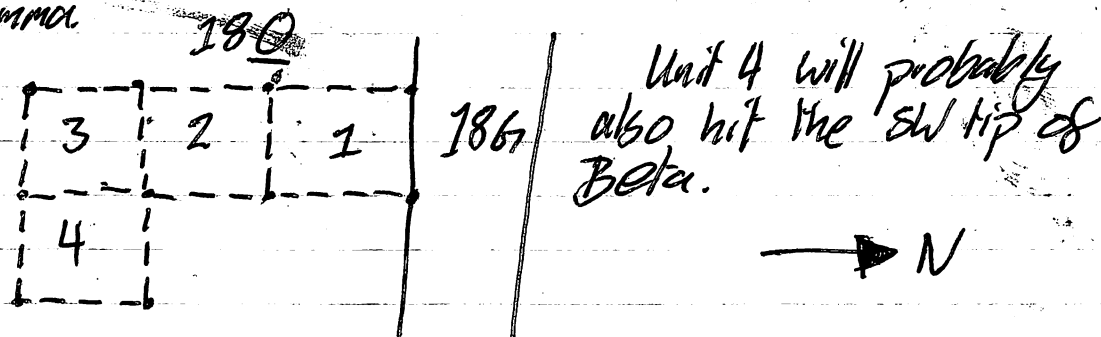
Maybe 1% small angular pebbles.

My next lot in this Sub Op will consist of removing rubble from units 8, 9, and 10.

28-Feb-2002, Patrick Dresch

PØ2-8-43

180/003 Roberto still has a tendency to expand the borders of the unit, he also seems to make the stakes to correspond to the lines he creates.
Have planned out another unit to follow Epsilon from Grammar



Finding more pebbles, $\approx 5\%$ sub-rounded
Found: Ceramics, Obsidian, Chert, BS

18N/p11 Think I'll wait one more unit before removing humble.
Found: Ceramics, Obsidian, Chert BJ.

18N012
Topsoil from unit 11, looking for end of Alpha.
0-20 cm BGS, SW corner of unit 11.
Soil: Dark rich brown, loose silty clay. Damp from rain.
lots of plant roots.
≈ 5-10% angular pebbles
Found some Carbon at wedge of unit 11

It looked like it was going to clear up but now the rain is starting to spit.
Water level in unit 2 of 18G at 9:34 is 3 cm

Taking out some tumble from unit 11
Found: Ceramics, Obsidian, Chert, BS

28-Feb-2002 Patrick Dreesch

PD2-8-44

18N/013

Working along units 8, 9, 10 and 11 removing tumble:

Soil underneath ~~the~~ tumble: Dark rich brown, silty clay
2% sub-angular pebbles.

Finding quite a few larger sherds.

more pebbles with depth $\approx 10\%$

Found a nice sherd from vessel with intact "ear" handle.

180/004

After finishing the last unit for them, I have
moved Roberto and Juana onto unit 4 of 18Q.

This unit follows Epsilon from Gamma and finishes
where Beta meets Epsilon.

Topsoil from unit 4.

Soil: Dark rich brown, loose silty clay. A few plant
roots

[Level of water in unit 2 of 18G at 11:46 is 2.8 cm]

Maybe 5% small angular pebbles

18N/013

Pulled out some tumble near perceived corner between
of Alpha and found some carbon underneath

[Well I guess I was right about the weather as we have
just finished lunch break and the sun is shining
brightly.]

Have decided that we are pulling out so many sherds only
units 9 and 10.

Found: Ceramics, Carbon, Obsidian, Chert, BS

Bottom of lot: 6/1m 865, SW corner unit 9.

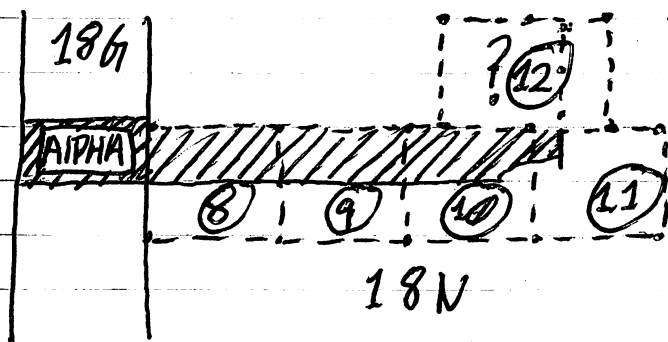
28-Feb-2002, Patrick Dreech

P02-8-45

18N/014

Topsoil of unit 12.

Unit 12 is West of units 10 and 11. It follows the construction unit that meets Alpha



Soil: Dark rich brown, base silty-clay
x 1% small angular pebbles
Have taken out some rubble from this lot.

[At 2:33 the water level in unit 2 of 18G was 2.5cm]

Will have to finish this lot tomorrow

180/014

Managed to finish the lot

Found: Ceramics, Obsidian, Chert, BJ

1 - March
29 Feb - 2002, Patrick Dresch

702-8-46

Started work at 7:10. Guillermo and Avel are finishing off 18N/014. Roberto and Juano are starting a new lot that will connect 18Q and 18N where they meet on Epsilon.

The sky over the site is clear, although there are some clouds hanging low over the mountains to the South. Last day of work before Spring break. Tomorrow is off to Raikan, and a break from this archaeology kirk. Looking forward to starting project after break.

Roberto and Juano are much better than when they arrived, although they (Roberto especially) lack any semblance of a work ethic.

18N/014

Finishing unit 12 from yesterday (edges, levelling, cleaning between stones).

The construction unit that meets Alpha seems to be in reasonable condition. From now on it shall no longer be known as the construction unit that meets with Alpha, but instead Zeta.

From the small section of Zeta exposed, it seems to run from 136°E to 326°W .

From the S edge of the unit Zeta is ~~an~~ 50 cm wide (however width is hard to judge as S side has not been exposed).

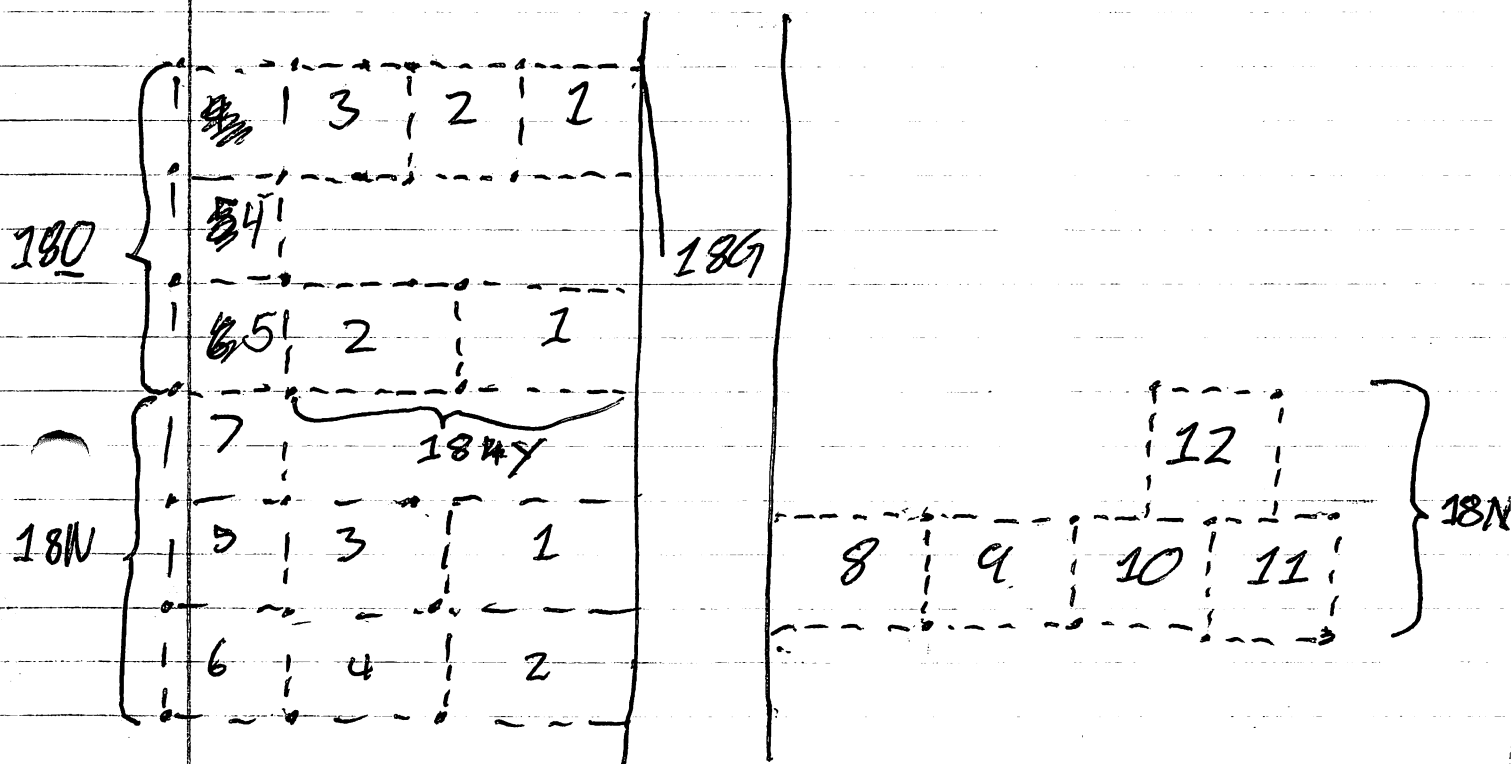
Zeta is 25 cm high from bottom of lot.
Found: Ceramics, Obsidian, Chert, BS.

1-March - 2002, Patrick Dreesch

P02-8-47

Starting new subop (18Y). This runs along Beta in the search for internal walls for the structure.

18Y runs from $222^{\circ}S$ to $42^{\circ}N$.



18Y/001 Topsoil of unit 1. Taking away topsoil from around Beta. 0-10 cm BGS, SW corner of unit 1.
Soil: Dark rich brown, reasonably loose silty clay, lots of plant roots
~ 1% sub-rounded pebbles

18O/005 This is where 18O meets 18N along Epsilon.
Taking out topsoil from around Epsilon. 0-15 cm BGS, SW corner of unit 6.
Soil: Dark rich brown silty clay, some plant roots. ~ 2% sub-rounded pebbles

1-March-2002, Patrick Dresch

P02-8-48

18Y/002 Taking off topsoil from around Beta. 0-10cm BSS, swarming unit 2. This is the final ultimate Southern unit of 18Y, as this is where 18Y meets 180. Soil: Dark rich brown, loose silty clay, ~1% sub-rounded pebbles

[A bee's nest has just been irritated over Charly and Alyson's section. Everyone stops and cowers in our trench as the swarm passes overhead. 4/9/16]

180/005

180/005 Have finished 1st unit 5.

Found: Ceramics, Obsidian, Chert, BJS.

Roberto and Juana are now clearing a pile of dirt so that, 180 and 18Y can be extended.

18Y/002 Finished the lot.

Can now see junction between Beta and Epsilon.

Found: Ceramics, Obsidian, Chert, BJS.

Have to wait for Roberto and Juana before anything else can be done.

[During break, it was explained to me that the bees were Killer bees. Perhaps it was not a good idea to have let them swarm above me while everyone else hid. Also they did not have a nest in the tree, they were just resting there.]

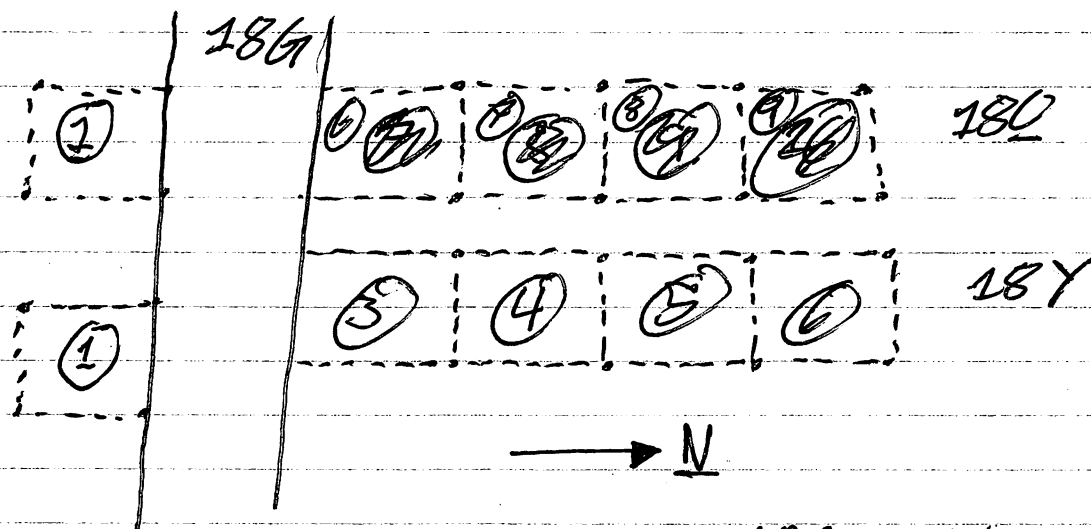
It looks to me as if Beta is a much more solidly built wall than Gamma (similar to Alpha). I put forward the suggestion to Ed, that Alpha and Beta were ~~comprised~~ built first and made up the original structure, while Gamma is a later addition. This is further supported by the fact that Epsilon goes off in a

1-March-2002, Patrick Dreesch

P02-8-49

slightly different direction after hitting Beta. It is difficult to judge, however, if the Western junction between Beta and Gamma is the same as the Eastern. There is the possibility that the Eastern junction is interdigitated, while the West is a flat abutment. At the moment this is mostly speculation, and I will have to look at the North side of the structure for ~~evidence~~ further evidence.

Have plotted extensions to 18Q and 18Y.



Roberto and Juana are continuing with 18Q, while Guillermo and Axel are continuing with 18Y.

18Q/006 Taking off topsoil of unit 6. 0-10cm BGS, SW corner of unit 6.
Soil: Dark rich brown, loose silty clay, lots of plant roots
very few inclusions \approx 1% sub angular pebbles

18Y/003 Taking off topsoil of unit 3. 0-10cm BGS, SW corner of unit 3.
Soil: Dark rich brown silty clay (loose), large root system
at centre of unit.
Pebbles: sub-angular, \approx 5%
Soil under topsoil is very hard packed.

1-March-2002, Patrick Dresch

P'02-8-50

18Y/003 Finished this lot
Found: a few sherds, some obsidian, chert, BS

18Y/004 Clearing topsoil from unit 4, from around Beta.
0-10 cm BGS, SW corner of unit 4.
Soil: Dark rich brown silty clay. Loose, lots of small plant roots.
Inclusions: ~2% 5% small angular pebbles.

180/006 Found: Ceramics, Obsidian, Chert, BS

180/007 Removing topsoil from unit 7. 0-20 cm BGS, SW corner of unit 7.
Soil: Dark rich brown, loose silty clay, some roots.
Inclusions: ~2% small angular pebbles.
About halfway through this lot.

18Y/004 Found: Ceramics, Obsidian, Chert, BS

Hasta Luego.

11-March-2002, Patrick Dresch

P'02-8-51

Well, I'm back from Spring Break and not used to being awake this early in the morning. Starting work at 7:15.

There has been rain light rain the past two nights, and some spitting this morning, but the trench seems to be dry. Sky is grey, and clouds are low on the mountains. Sun looks like it might be starting to break through though.

Bryan informs me that I have been misspelling Gruillmar and Avel's names and that they are in fact Willmar and Abel.

Willmar and Abel are starting unit 5 of unit 18Y. Juana and Roberto are finishing 180/007.

18Y/005 Taking off topsoil from unit 5, clearing around Beta.

Ø - 10cm BGS, SW corner of unit 5.

Soil: Dark rich brown silty clay, loose, lots of small plants.

≈ 10% small angular pebbles, moderately sorted

Found: Ceramics, Obsidian, Chert, BJ.

180/007 Finished this lot.

Found a few pieces of obsidian.

180/008 Taking off topsoil from unit 8, clearing around Gamma.

Ø - 20cm BGS, SW corner of unit 8.

Soil: Dark rich brown silty clay, loose, lots of some roots.

≈ 1% sub angular pebbles

[A deer has just run down from the elite structures pursued by dogs, the workers have caught it and plan to kill it for meat.]

11-March-2002, Patrick Dresch

P'02-8-52

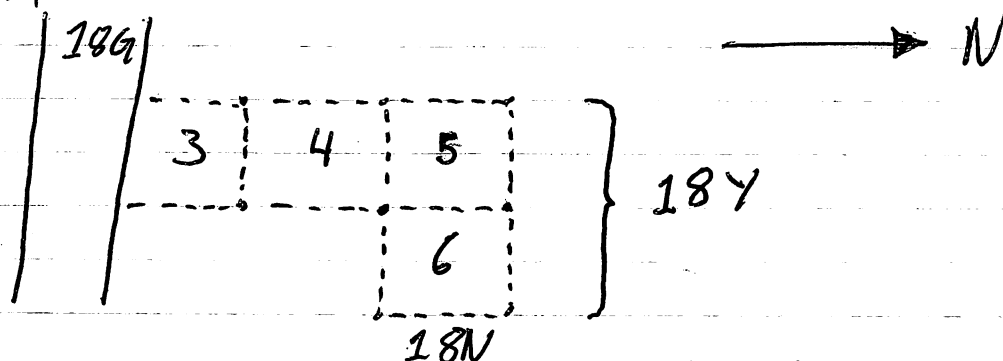
The deer was tied to a tree by the workers who caught it. They made an attempt to keep the dogs away but were not very concerned with them. After most onlookers had left, a worker fetched a large stone and smashed it on the deer's head. A machete was used to make sure it was dead. It was then taken off to Pueblo Nuevo to keep it away from animals.

When they caught the deer, the workers pointed out wounds on its legs and some large insect type parasite on its belly.

My worker Juaro was very excited by the event, while Willmar and Abel treated it with a certain disdain (particularly Abel). They noted that the deer was sick, and as this prompted a discussion about hunting in the United States.

18Y/006

I have decided not to use the unit 6 that I originally planned out because Zeta was clearly reached in unit 5. Unit 6 now follows Zeta and meets up with 18N.



Taking off topsoil from unit 6, 0-10cm 365, SW corner of unit 6. Clearing around Zeta.
Soil: Dark rich brown, silty clay. Loose, & with small plant roots, and a moderately sized plant in the centre.

11-March-2002, Patrick Drach

P02-8-53

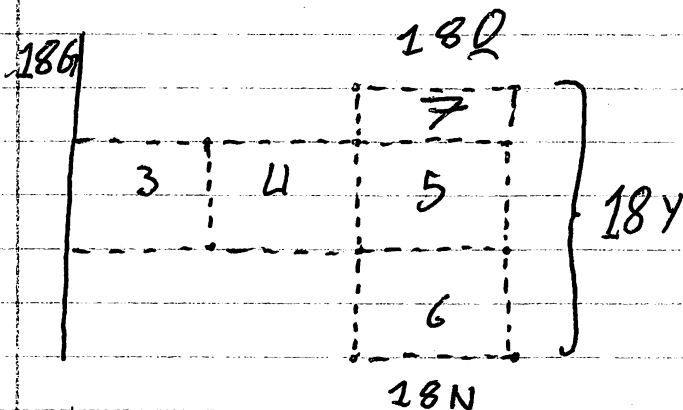
18Y/006 \approx 5% poorly sorted sub rounded pebbles.
Pulling out some large sherds from the N face of Zeta, including what might be a cylindrical handle or part of a complex censer.
A large piece of B5 has also been removed from this area.

180/008 Finished lot
Found: Ceramics, Obsidian, Chert, B5

²
180/009 Removing topsoil from unit 9. Exposing tumble where Gamma and Zeta meet.
0-10cm B5, SW corner corner of unit 9.
Soil: Dark, rich brown silty clay, very dry and loose, some plant roots.
 \approx 5% sub angular pebbles

18Y/006 Found: Ceramics, Obsidian, Chert, B5

18Y/007 Unit 7 is 1m long (N by S) and 40cm wide across (W by E). This unit follows Zeta and joins 18Y to 18Q.



11-March-2002, Patrick Dreesch

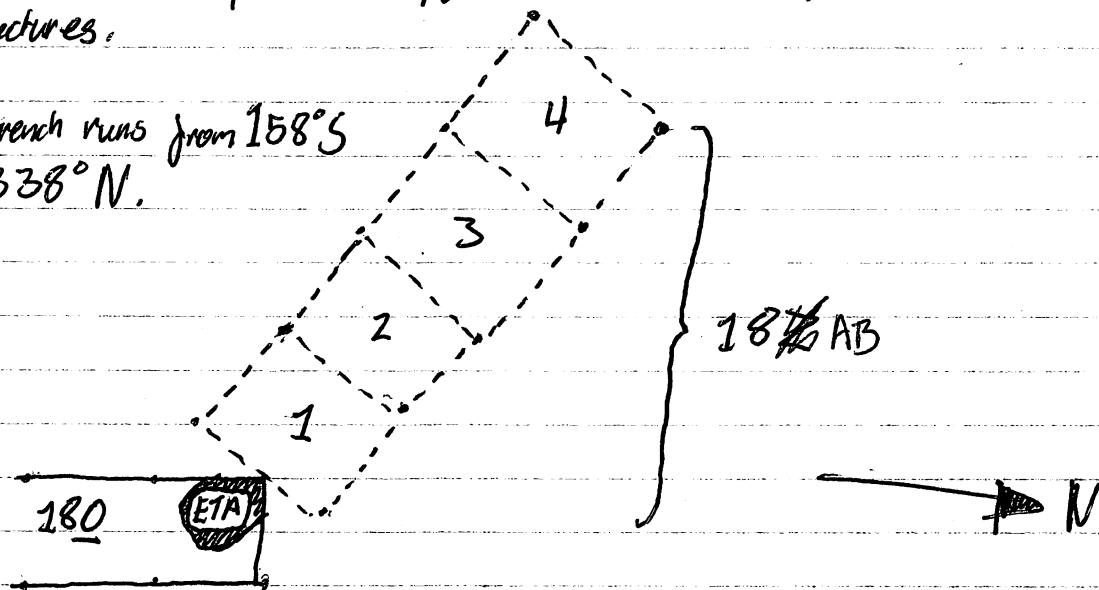
T02-8-54

18Y/007 Topsoil from unit 7, clearing soil from around Gramma.
0-20 cm BGS, SW corner of unit 7.
Soil: Dark rich brown, silty clay, loose and dry, some plant roots.
~ 2% angular pebbles.
Found a piece of what might have been a bird shaped ocarina.
Finished the lot, found: Ceramics, Obsidian, Chert, BJ

18Q/009 Have found another wall (Eta) that runs from NW to SE. I will lay out another sub op (18Z) to follow Eta.
Have finished this lot, and have found: Ceramics, Obsidian, Chert, BJ.

^{AB}
18Z is a sub-op 4 metres long that follows Eta from SE to NW up the slope that leads to the elite residential structures.

This trench runs from 158°S to 338°N.



12-March - 2002, Patrick Dresch

P02-8-55

Started work at 7:30. Juano and Roberto are starting work on 187th, while I have sent Willmar and Abel to the top of the slope that overlooks my structure so that they can start clearing my project site. Today I will be taking pictures of my structure and working on final notes.

Didn't sleep very well, so I'm feeling a bit tired. The sky is completely clear this morning, so it will probably get pretty hot. It is also rather humid.

Pat and Ed are at Las Canoas today, so hopefully I won't find anything I can't cope with.

AB
187/001 Clearing topsoil from unit 1. This is the topsoil that surrounds Eta.

0-20cm BGS, SW corner of unit 1.

Soil: Dark rich brown silty clay, lots of plant roots, loose.
~10% sub rounded, poorly sorted pebbles

Finding lots of Ceramics and Obsidian

Taking out some tumble.

It is hard to define ^{ETA} ~~unit~~ in this unit. This is probably because a large boulder has been incorporated into it and tumble makes the rest hard to define

[Have checked up on Willmar and Abel. They are working hard, and clearing is going well.]

While leveling off Juano and Roberto have ~~gone~~ reached a level of clay and are ~~more~~ moving into a whitish soil like the one that preceded the white rock in 186.

Found a large piece of bayareque with a piece of obsidian included in it.

Found: Ceramics, Obsidian, Chert, BS

12-March-2002, Patrick Dreesch

P02-8-56

AB

187/002

Topsoil of unit 2. 0-10cm BGS, SW corner of unit 2.

looking for continuation of ETA.

Soil: Dark rich brown silty clay, loose.

~10% sub-rounded pebbles, poorly sorted

Found a large piece of base from a shallow dish

More inclusions with depth (~20%) and ↑ size.

Found: Ceramics, Obsidian, Chert B3

13-March-2002, Patrick Dressch

P02-8-57

Started work 7:20. Juano and Roberto are continuing with 18~~AB~~, Wilmar and Abel are clearing my next structure. Took photos yesterday, but couldn't find the digital camera ~~at~~ when it came time for labelling.

There is a haze over the mountains, but no clouds to speak of. It will probably be hot and humid like yesterday.

Hopefully, Juano and Roberto won't take too long on these last two units, then I can start final notes. ETA seems pretty broken up, the only place where it was a definite wall was in the last unit of 18Q. I think, however, that judging by the surface the next two units should be a bit better. Surprised at the quantity of finds from 18~~AB~~ as the units from 186 this far up the slope did not produce that many finds.

AB

18~~AB~~/003

Topsoil unit 3, 0-10cm ~~186~~ E corner of unit 3.

Soil: Dark rich brown silty clay, loose dry, roots, ~2% assorted small, sub angular pebbles.

~20% larger angular pebbles at V end of unit.

Most sherds are small (2-3cm) some are a little larger (5-6cm) and have simple incision decoration.

Found: Ceramics, Obsidian, Chert, BJ

(excavator 43)

[Avon has just informed me that he has taken 18Z ~~second~~ and has done quite a few lots, \therefore I am changing 18Z to 18AB]

18~~AB~~/004 Topsoil unit 4, 0-10cm ~~186~~ SW corner unit 4

Soil: Dark rich brown silty clay, dry loose soil, roots, ~2% sub-angular pebbles

ETA seems to be in much better condition in this unit.

13-March-2002, Patrick Dreech

P'02-8-58

18AB/004 In both units 3 and 4 of 18AB, there is a clear sign of the white bedrock at the W edge.
Seems to be considerably fewer shreds in this unit than in the rest of the sub-op, however there are a few large pieces of BS.

Found: Ceramics, Obsidian, Chert, BS

13 - March - 2002, Patrick Dreesch

P02-8-59

Final Notes : Structure 96

C. Unit Name	Length/m	Width /cm	Height /cm	Alignment /°N	Courses	Top Measure	Bottom Measure
ALPHA	6.2	50-90cm	50cm	38°	2-3	98 cm	154 cm
BETA	6.2	40-70cm	20-30cm	40°	2-3	58	79
GAMMA	6.0	30-40	20-30cm	44°	2	39	60
DELTA	1.6	20-25	35	50°	1	116	150
EPSILON	4.9	40-50	30-40	318°	1-2	56	80
ZETA	4.6	25-50	25-40	308°	2-2	63	85
ETA	5.9	35-55	30	344°	1	3	32

C. Unit Name	Largest Rock (HxWxD)	Smallest Rock (HxWxD) /cm	Modal Size (HxWxD) /cm	Rock Form	Type of Rock
ALPHA	25x47x33	8x12x7	20x27x21	Rounded	95% Basalt 5% White limestone
BETA	14x42x33	7x10x9	12x25x18	Rounded	85% Basalt 15% W. limestone
GAMMA	13x30x26	5x8x6	9x19x19	Sub-Rounded	90% Basalt 10% W. limestone
DELTA	16x26x17	3x9x6	10x15x20	Sub-Angular	Basalt
EPSILON	37x56x52	8x11x8	11x12x18	75% S-Ang. 25% S-Rounded	95% Basalt 5% W. line
ZETA	26x40x35	6x8x6	17x23x20	Sub-Angular	98% Basalt
ETA	26x43x35	9x14x13	22x42x28		2% W. limestone
ETA	26x83x55	9x14x13	22x42x28	Sub-Angular	Basalt

14-March-2002, Patrick Dreesch

P'02-8-60

Final Notes :

Str. 96 is composed of 5 walls (ALPHA, BETA, GAMMA, EPSILON, ZETA) that form a rectangle longitudinally bisected by BETA.

EPSILON and ZETA are the 2 short walls that run upslope. ALPHA, BETA and GAMMA run along the slope with ALPHA being furthest downslope and GAMMA being highest upslope. In addition to these 5 walls there is a 6th small wall DELTA that runs almost parallel to roughly a third of ALPHA, starting at the corner with EPSILON. This wall is lower and narrower than ALPHA, and could perhaps have been a step. A 7th wall (ETA) runs more or less North, diagonally up slope. This wall originates at the corner of ZETA and GAMMA. I did not find the end of this wall due to large amounts of tumble on the slope.

Str. 96 is a terraced structure, built directly into a steep slope that runs up to more elite structures. This structure is built on top of a midden that contains, among other things, some green obsidian and polychrome pottery. This leads me to believe that the midden was deposited during the Early Post Classic. This means that the structure itself would have been built after this period.

The midden is large enough to be a base for the entire structure. Beneath the midden is a layer of clay followed by a layer of soft white bedrock. The layer of clay is practically nonexistent upslope, while being quite thick downslope.

It is possible that this structure was built in two phases. The first phase consists of the rectangle ALPHA, EPSILON, BETA, ZETA. It is possible that GAMMA was a later addition. This is mainly conjecture, however. GAMMA does not seem as robust as

14-March-2002, Patrick Dresch

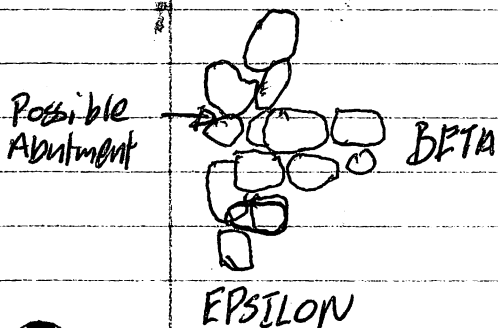
P02-8-61

Final Notes:

ALPHA and BETA. Both EPSILON and ZETA seem to bend slightly southward after meeting BETA. ALPHA and EPSILON seem to be interdigitated, as are BETA and EPSILON. There also seems to be a faint line of abutment between the corner of Beta and EPSILON and the rest of EPSILON running West.

The corner of GAMMA and EPSILON also seems to interdigitate

The only other corner that might interdigitate is that of ALPHA and ZETA. All other junctions are in too bad a condition to be able to tell.



ETA may possibly be part of a terrace, but it looks like it runs from Str. 96 to possibly a terrace upslope.

14-March-2002, Patrick Dresch

P02-8-62

I have finished excavating my initial structure and am now about to start the structure I have chosen for my project.

This structure (no. 85) is situated in the SW of the sitio El Coyote. It is on top of a raised area, and upslope from str. 96, where I was previously excavating. It is possible that this structure is on a small plaza (which if present, is on its NW face). There are several other structures associated with this potential plaza to the NW of str.

Str. 85 appears to be a long structure running along the summit of the slope, with associated terraces at its SW end. These terraces have their own structure no. of 86.

I am starting at this structure with a collection of surface finds. All surface finds will go into the sub op 47A.

I have also laid out two trenches. One runs from the potential plaza up the North face of str. 85. This is sub-op 47B at is laid out 1m wide by 9m long and runs from 138° to 318° N.

The second trench I have planned out (⁴⁷sub C) runs up 86 towards 85. This sub op is 1m wide by 8m long and runs from 65° to 245° .

47A

Surface finds.

Searched surface of structure with Willmar, Abel, Juane and Roberto.

Most finds came from SE face of structure, steepest slope facing Calcalupa.

Found a piece of porous rock, when a piece was broken off there were what looked like quartz crystals surrounded in copper oxide. Taking a small sample to show Ed.

Found: Ground Stone, Ceramics, Obsidian, Chert, B.J.

14 - March - 2002

P02-8-63

47C/p02 0-10cm BGS, NW corner unit 1 (Most SW of 47C)
Juano & Roberto

Soil: Dark rich brown, ~~silt~~ silty clay. some plant roots
some tumble.

Have explained to Juano the not to throw away metates.
Will finish this unit tomorrow

47B/p02 0-10cm BGS, NW corner unit 1 (Most NW of 47B)
Willmar and Abel

~~0-10cm~~ Soil: Dark rich brown, silty clay, base, a few
plant roots, darker than 47C.

No inclusions.

Will finish this unit tomorrow

15-March-2002, Patrick Dresch

P'02-8-64

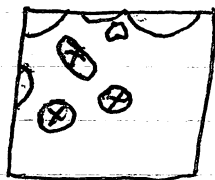
Started work 7:15. First full day at str. 85.
Sky is pretty clear. Haze lies over the mountains. Feels rather humid, will be very hot by this afternoon.

Willmar and Abel are continuing with 47B, Juano and Roberto are working on 47C.

Feeling a bit tired and looking forward to the weekend. If I have a chance, I still want to take a couple of photos of str. 86.

47C/001

Some tumble in this lot



x - hand-drawn definite tumble

47B/001

Finished the lot: Ceramics, Obsidian, Chert

47B/002

10-20cm BGS, NW corner unit 1

Soil: dark, rich brown silty clay

~~~ 20% to 80% sub-rounded pebbles~~

Some pebbles are quite large  $\approx 10$ cm.

Some tumble.

lots of large stones at bottom of lot,

Will add another unit to 47B further N.

Found: Ceramics, Obsidian, BS, Obsidian

47B/003

0-10cm BGS NW corner unit 2

Soil: dark rich brown, silty clay, some roots, dry clumps  
no inclusions

47C/001

Finds: Ground stone, Ceramics, Obsidian, Chert, BS

# 15 - MARCH - 2002, Patrick Ditch

P'02-8-65

- 47C/002 10-20cm BGS, NW corner unit 1.  
Soil: Dark rich brown silty clay  
≈ 20% small angular pebbles
- 47B/003 Found: a single small piece of Obsidian
- 47B/004 10-20cm BGS, NW corner unit 2  
Soil: Dark rich brown, silty clay  
≈ 90% sub-rounded and sub-angular pebbles  
Have found some carbon, probably too close to surface  
but have saved it anyhow  
Bottom of this lot is same as unit 1 (ie. large  
stones and a possible wall) ∴ extending  
47B 1m further N.  
Willmer thinks we have a floor.  
Found: Carbon, Ceramics, Chert, BS
- 47B/005 10-20cm BGS, NW corner unit 3 (3 is N of 2)  
Soil: Dark rich brown, silty clay, some plant roots  
1 large stone ≈ 40cm long by 20cm wide, no other inclusions.  
Nothing found in this lot
- 47B/006 10-20cm BGS, NW corner unit 3.  
Soil: Dark rich brown, silty clay, some plant roots  
some large stones and 100% smaller sub angular  
pebbles.
- 47C/002 Found: Ceramics, Obsidian, Chert, BS
- 47C/003 20-30cm BGS, NW corner unit 1  
Soil: Dark rich brown, silty clay ≈ 20% sub-angular inclusions

15-March-2002, Patrick Tresch

P02-8-66

- 47B/006 Found some carbon, again it may be too near the surface to be of use.  
Finds: Carbon, a couple of sherds, and some ~~clasts~~ obsidian
- 47B/007 0-20cm BGS, NW corner of unit 4. (4 is S of 1)  
Soil: Dark rich brown, silty clay  
a 20% sub-rounded inclusions.
- 47C/003 Found: Ceramics, Obsidian, BS
- 47C/004 0-10cm BGS, NW corner unit 2. Unit 2 is West of unit 1.  
Soil: Dark rich brown, ~~st~~ silty clay.
- 47B/007 After talking with Pat, I have realized that 47B was not perpendicular to str. 85. I have corrected this, and the new heading is from 148°S to 328°N
- 47C/004 Juana and Roberto have found a bone. I have told them to clear away the loose soil before doing anything else.  
We have taken out several teeth of a herbivore, possibly a cow or a horse.
- 47B/007 There seem to be quite a few pebbles of white limestone (a 30%) at the bottom of this lot.  
Found: Ceramics, Obsidian, Chert, BS
- 47B/008 10-20cm BGS, NW corner of unit 4.  
Soil: Dark rich brown, silty clay

15-March-2002, Patrick Dresch

T02-8-67

47B/008  $\approx 90\%$  sub angular pebbles, between 30-50% of  
these pebbles are white limestone.  
found: Ceramics, Chert, BS

47C/004 Found: Bone, Ceramic, BS, Chert



18-March-2002, Patrick Driesch

P02-8-68

Started work 7:25. Juano and Roberto are working on 47C, Willmar and Abel are working on 47B.

The sky is clear and I'm sure we're in for another hot day. We haven't had any rain over the weekend.

Feeling kind of tired this morning, but I tried to stay on the same schedule for the weekend.

47C/005 10-20cm BGS, NW corner unit 2  
Soil: Dark rich brown silty clay.  
25% sub-rounded pebbles

47B/009 0-10cm BGS, NW corner unit 5. (S is SE of 4)  
Soil: Dark rich brown silty clay. some roots  
& No inclusions, some tumble.  
Might be approaching wall at SE of unit.  
Have decided to name floor, uncovered in units 1-4,  
THOR (starting a system of characters from Norse mythology  
with short names).  
Found: Ceramics, Chert

47B/010 10-15cm BGS, NW corner unit 5.  
Removing soil above layer of compacted pebbles  
Soil: Dark rich brown, silty clay, large plant root  
at centre of lot.  
25% sub-angular pebbles  
Tumble and Terminal debris

47C/005 Found: Ceramics, BS

47C/006 20-30cm BGS, NW corner unit 2.  
Soil: Dark rich brown silty clay

1st March - 2002, Patrick Dreesch

702-8-69

Have 2 new workers Rafael & Don Julio, will have them work on 47C and possibly phase out Juana & Roberto.

47C/000 3 25% angular and sub-angular pebbles

47C/007 0-10cm BGS, NW corner unit 3 (3 is W of 2)  
Soil: Dark rich brown silty clay, lots of roots  
± 15% sub-angular pebbles

Have found a piece of bone, possibly a knuckle bone.  
Another possible construction unit W side of unit 3

47B/010 Found: Ceramics, Obsidian, Chert.

47B/011 Topsoil unit 6, 0-5cm BGS, NW corner unit 6.  
(6 is SE of 5)  
Soil: Dark rich brown, silty clay, plant roots  
lots of rubble, possible construction unit.

47C/006 Found: Ceramics, Obsidian, Chert

47C/008 30-40cm BGS, NW corner unit 2  
Soil: Dark rich brown silty clay  
± 40% sub-angular pebbles

47B/012 Found a piece of carbon ± 20cm deep from S side of unit. Also found some pieces of complex center.

47C/007 Found: Bone, Ceramics, Chert, Obsidian, BS

47C/008 Found: Ceramics (especially in NE corner), Obsidian, Chert, BS

18-March-2002, Patrick Dreesch

P02-8-70

47C/009 Topsoil from unit 4. 0-5cm BS, NW corner unit 4.  
(4 is W of 3).

Soil: Dark rich brown, silty clay, a large plant root  
at centre of lot.  $\approx 5\%$  sub-angular pebble

lots of tumble, trying to understand where construction  
units actually are

47B/011 Pulling out tumble

Found: some bone, ceramics, chert, obsidian, BS

47C/009 Found: Ceramics, Obsidian, Chert, BS

47C/010 Removing tumble from unit 3 and cleaning around  
construction units.

Found: Ceramics, Obsidian, Chert

19-March-2002, Patrick Dresch

702-8-71

Started work at 7:30. Willmar and Abel are working on 47B, Rafael and Don Julio are working on 47C. I haven't had much previous experience distinguishing tumble from structure, so it is really helpful to be able to discuss what's what with Don Julio.

The sky is clear again this morning, and I'm just hoping for some wind like yesterday. Yesterday was a good field day, and I'm looking forward to today. Looking at 47C, I realize there is more tumble that can be taken out, so that's what I'm doing. Continuing lot 47C/010.

47B/012 Topsoil unit ~~unit 7B~~ 0-10 cm BGS, NW corner unit 7 (7 is SE of 5)  
Soil: Dark rich brown silty clay, a few, plant roots, tumble  $\approx$  5% moderately sized, sub rounded pebbles  
Have found a piece of ground stone 8cm long 6cm wide, worn at one end and on one side  
Puff looking for face of a wall by carefully taking away what Ed thinks is tumble piled against it.

47C/010 Looking for base of wall ~~interior~~ at border of units 3 & 4, eager carefully removing tumble. Hard soil

47B/012 Found carbon within possible wall  $\approx$  35 cm BGS.  
The wood of the carbon is not fully burnt

47C/010 Found carbon within tumble  $\approx$  40 cm below surface  
Found a piece of ceramic at base of wall probably part of handle with addition decoration (evenly spaced bumps on sides)

19 March - 2/4/72, Patrick Dreesch

P02-8-72

47B/012 Found: Carbon, Ceramics, Chert, BS, Obsidian

47B/013 Topsoil unit 8, 0-10 cm BGS, NW corner of unit 8  
(8 is SE of 7)  
Soil: Dark rich brown, silty clay, loose  
~10% sub-angular pebbles  
Pulling out tumble.

47C/010 Found a small piece of what might be ground stone  
Found: Carbon, Ceramics, Obsidian, Chert, BS

47C/011 Topsoil unit 5, 0-10 cm BGS, NW corner unit 5  
(5 is SE of 4)  
Soil: Dark rich brown silty clay, some plant roots  
tumble & ~5% sub rounded pebbles, 10% small angular  
pebbles.

47B/013 Found: Ceramics, Obsidian, BS

47B/014 Topsoil unit 9, 0-10 cm BGS, NW corner of unit 9.  
(9 is SE of 8)  
Soil: Dark rich brown silty clay, quite a few plant roots  
tumble, ~5% sub-rounded pebbles  
Found: Ceramics, Obsidian, Chert

47C/012 Have bagged an interesting mineral sample that  
contains specks of blue that might be copper.  
Found: Ceramics, Obsidian, Chert, BS, mineral sample

47C/012 Topsoil unit 6, 0-10 cm BGS, NW corner unit 6  
(6 is SE of 5)  
Soil: Dark rich brown silty clay, some plant roots, ~5% sub angular pebbles

20-March-2002, Patrick Dresch

P'02-8-73

Started work at 7:30. Willmar and Abel are working on clearing tumble from 47B, Rafael and Don Julio are clearing topsoil from a terrace. I really must label some construction units, but I like to wait to make sure I'm not labelling tumble.

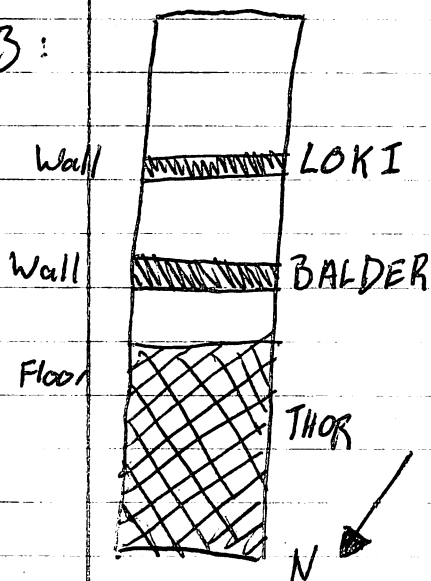
Sky is clear again, hopefully we'll have a breeze so it doesn't get too hot.

A lot fewer people are away at the moment. Joni has just left the project today, Lauren's taking a break in the States, and Pat and Bill are at the SATs.

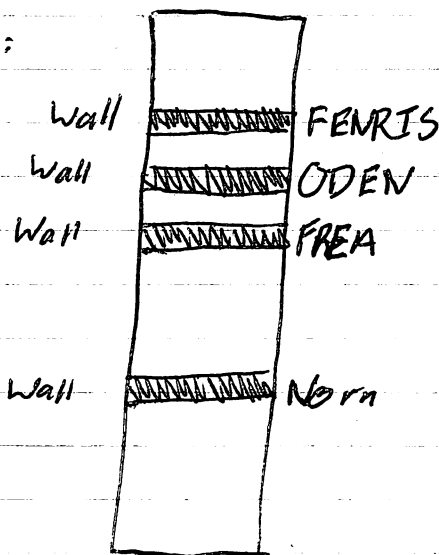
Despite the reduction in numbers, things just seem to be getting busier where I am. There are a lot of workers clearing undergrowth from structures around mine, and Angela and Alison are starting on structures near mine. I fear my Fortress of Solitude is being threatened. Perhaps I will follow Aaron's lead and start building a wall around my structure to repel invaders.

I have just discussed what's been uncovered so far with Ed. I will now attempt to name all my construction units using names from Norse mythology.

47B:



47C:



20-March-2002, Patrick Dresch

P'02-874

47B/015 10-30 cm BGS, NW corner unit 9.  
Soil: Dark rich brown silty clay, harder than topsoil.  
70% tumble.  
Finding large flat stones at bottom of unit.

47C/012 Might be uncovering layer of compacted pebbles with white limestone inclusions, similar to top of THOR.

47B/015 Found: Ceramics, Obsidian, BJ

47B/016 10-50 cm BGS, NW corner unit 8  
Removing tumble to level equal to top of LOKI.  
Soil: Dark rich brown, some small roots.  
≈ 75% tumble  
Have found a green obsidian blade.

47C/012 Found: Ceramics, Obsidian, Chert, BJ

47C/013 10-20 cm BGS, NW corner unit 6.  
Excavating N face of FENRIS, below possible compacted pebble floor, looking for base of wall at N side of unit 6.  
Soil: Dark rich brown silty clay, a few plant roots  
≈ 45% angular pebbles, Found a piece of Carbon

47B/016 Found: Ceramics, Obsidian, Chert, BJ

47B/017 Topsoil unit 10. 0-10 cm BGS, NW corner unit 10.  
(10 is SE of 9)  
Soil: Dark rich brown, silty clay. Some plant roots.  
Tumble, ≈ 10% sub angular pebbles

20-March-2002, Patrick Dreesch

T02-8-75

47B/017 Finding Carbon

47C/013 Found: Carbon, Ceramics, Obsidian, Chert, BS

47C/014 Topsoil unit 7. 0-10 cm BGS, NW corner of unit 7  
(7 is W of 6)  
Soil: Dark rich brown, silty clay some plant roots  
~ 20% sub rounded pebbles

47B/017 Found some polychrome and a shell  
Finds: Carbon, Ceramics, Obsidian, Chert, BS, Shell  
Possibly uncovered face of wall at bottom of lot at SE edge of unit.  
Will try and find this wall by coming down on it in the  
next unit before removing tumble in front of it.

47B/018 Topsoil unit 11. 0-10 cm BGS, NW corner of unit 11.  
(unit 11 is SE of 10)  
Soil: Dark rich brown silty clay, loose, some plant roots  
Tumble, ~ 40% angular pebbles



21-March-2002, Patrick Dreesch

P'02-8-76

Started work 7:30. Continuing lots 47B/018 and 47C/014 from yesterday.

Yet again the sky is blue and there's not a cloud in sight. Yet again I'm hoping for a breeze to keep us cool. We had a ~~slight~~ slight breeze yesterday, but it pretty much died out after lunch when it was hottest.

Woke up a bit earlier today so I've managed to get my preferred gentle start to the morning.

Have added another 2 units to the SE end of ~~unit~~ 47B. Added 4 units to E end of 47C.

47C/014 Found: Ceramics, Obsidian, Chert, BS

47C/015 Topsoil unit 8. 0-10 cm BGS, NW corner unit 8.  
(8 is SE of 7)

Soil: Dark rich brown silty clay, some plant roots & 25% sub angular inclusions.

47B/018 After levelling, this unit has finished 20 cm BGS, NW corner unit 11

Found: Ceramics, Obsidian, Chert, BS

47B/019 Topsoil unit 12. 0-10 cm BGS, NW corner unit 12.  
(12 is SE of 11)

Soil: Dark rich brown silty clay, some plant roots.  
~60% sub-angular pebbles.

Found: Ceramics, Obsidian, Chert, BS

47B/020 Topsoil unit 13. 0-10 cm BGS, NW corner unit 13  
(13 is SE of 12)

Soil: Dark rich brown silty clay, some roots, ~15% sub-angular pebbles.

21-March-2002, Patrick Drasch

P02-8-77

47B/020 Found a small piece of partially burnt bone

47C/015 Found: Ceramics, Obsidian, Chert, BS

47C/016 Topsoil/unit 9. 0-20 cm BS, NW corner unit 9.  
(9 is E of 8)  
Soil: Dark rich brown, silty clay, some roots  
≈ 15% sub-angular pebbles

47B/020 Found: Bone, Ceramics, Obsidian, Chert, BS

47B/021 Removing tumble from units 12 and 13.  
≈ 10-20 cm BS, NW corner unit 12.  
≈ 15% angular pebbles  
Found: Ceramics, Obsidian, Chert, BS

47B/022 Continuing in 12 and 13. 20-40 cm BS, NW corner unit 12.  
Soil: Dark rich brown silty clay  
tumble, ≈ 10% angular pebbles

22-March-2002, Patrick Dresch

P'02-8-78

Started work at 7:25. Continuing the lots from yesterday. We had some rain yesterday straight after lunch, but managed to get in an hour of work afterwards. Today the sky is almost completely grey, although there is some blue in the West. The temperature is cooler, but it's more humid.

Woke up early again and was able to ease into the day.

47B/022 Found: Ceramics, Chert, BS

40-60 cm BGS, NW corner unit 12. (This lot covers units 12 and 13)

Soil: Dark rich brown silty clay, still fairly loose  
Tumble,  $\approx 10\%$  sub-rounded pebbles.

47C/016 Found: Ceramics, Obsidian, Chert, BS

47C/017 10-20 cm BGS, NW corner unit 9.

Soil: Dark rich brown silty clay, some roots.  
Fill and tumble.  $\approx 10\%$  angular pebbles.

47B/023 Finding some shells and some pieces of polychrome

47C/017 Found a piece of metate and a small rounded stone that Don Julio says is for a metate.

47B/023 Found: Shells, Ceramics (including some polychrome), Obsidian, Chert, BS.

22-March-2002, Patrick Deech

P02-8-79

47B/024 Topsoil unit 14.  $\varnothing$ -10 cm BGS, NW corner unit ~~14~~ 14.  
(14 is SE of 13)

Soil: Dark rich brown silty clay, some roots  
 $\approx 10\%$  angular pebbles

Tumble, fill, possible construction unit

Found a small piece of bone.

Found: Bone, ceramics, Obsidian, Chert, BS  
(possibly some polychrome).

47B/025 Topsoil unit 15.  $\varnothing$ -10 cm BGS, NW corner unit 15.  
(15 is SE of 14)

Soil: Dark rich brown silty clay, some roots  
 $\approx 5\%$  sub-angular pebbles.

47C/017 Found: Ground stone, Ceramics, BS, Chert, Obsidian

47C/018 Topsoil unit 10.  $\varnothing$ -10 cm BGS, NW corner unit 10  
(10 is E of 9)

Soil: Dark rich brown silty clay, some roots.  
 $\approx 5\%$  angular pebbles

Tumble, some TD.

47B/023 Found: Ceramics, Obsidian, Chert, BS

47B/026 Removing tumble from 14 and 15. 10-30 cm BGS NW  
corner unit 14.

Soil: Dark rich brown silty clay,  $\approx 5\%$  sub rounded pebbles

Found a piece of bone, and some shells

Found: Bones, shells, Ceramics, Obsidian, Chert, BS

47C/018 Found: Ceramics, Obsidian, BS

25-March-2002, Patrick Dresch

7:02-8:30

Started work at 7:30. There are a few clouds dotted in the sky, but it is pretty much clear sky.

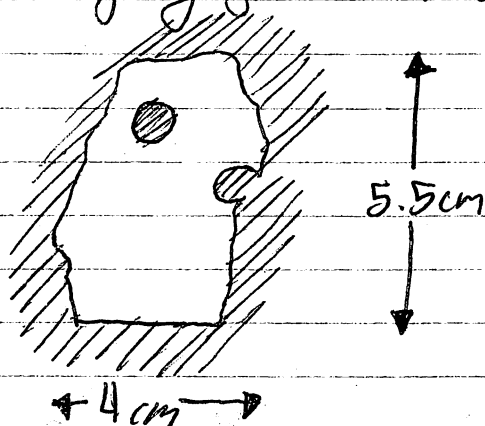
Willmar and Abel are still working ~~of~~ on 47B, while Rafael and Don Julio work on 47C.

Only two days in this week due to Semana Santa. Am looking forward to doing very little indeed.

47C/0189 Removing tumble from unit 10. 10-30 cm BGS, NW corner unit 10. Soil: Dark rich brown silty clay, some roots 90% tumble, probably fill, some TD.

47B/027 Removing tumble from unit 10. Trying to uncover face of wall. 30-40 cm BGS NW corner, unit 10. Soil: dark rich brown silty clay, very fine. Tumble and some TD.

47C/019 Taken a mineral sample of what looks like green chert. Don Julio thinks it might have some copper in it. Found a fairly flat sherd with a couple of holes in it.



47B/027 Finds: Shells, Ceramics, Obsidian, Chert, BS

25-March-2002, Patrick Drasch

P'02-8-81

47B/028 90-100 cm BGS, NW corner unit 10.  
looking for base of wall  
Soil: dark rich brown silty clay, quite hard

[Now have another two workers: Antonio, and  
Raymundo Flores.  
Will have them start a new sub-op perpendicular  
to 47C]

47G/001 This sub op cuts perpendicularly across 47C.  
It runs from  $148^{\circ}S$  to  $328^{\circ}N$ . There are 5 units  
to the south of 47C.

Unit 1 is the most southerly.  
0-10 cm BGS, NW corner of unit 1.  
Soil: Dark rich brown silty clay, base, some roots.  
 $\approx 25\%$  sub angular pebbles.

47B/028 Found: Shells, ceramics, chert, BS

47B/029 Removing tumble from unit 9 to see if there  
is a wall or if stones can be removed from  
unit 10 to make looking for base of wall  
easier.

40-50 cm BGS, NW corner unit 9.  
Soil: Dark rich brown silty clay  
 $\approx 10\%$  angular pebbles

47C/029 Found: Mineral sample, Ceramics, Obsidian, Chert, BS

47C/020 Topsoil unit: 11. 0-10 cm BGS, NW corner unit 11.  
Soil: Dark rich brown silty clay, roots,  $\approx 15\%$  sub angular pebbles.

25-March-2002, Patrick Dreesch

702-8-82

47G/001 May have found a wall cutting diagonally across the unit.

Found: Ceramics, Obsidian, Chert, BS

47G/002 10-20 cm BGS NW corner unit 1.

Only southern corner outside wall.

Soil: Dark rich brown silty clay, some roots  
~15% small angular pebbles

Tumble, TD

Found: Ceramics, Obsidian, BS

47G/003 10-20 cm BGS, NW corner unit 2

(2 is N of 1)

Topsoil, Tumble,

Soil: Dark, rich brown silty clay, roots  
~5% sub-rounded pebbles

47B/024 Found: Obsidian, Ceramics, Shells, Chert, BS, Bone

47B/030 100-120 cm BGS, NW corner unit 10.

Leveling to floor of unit 9.

Soil: Dark rich brown silty clay, hard  
~20% sub-rounded pebbles

Found some carbon between stones in wall a SE side of 10. (60 cm BGS)

Found: Carbon, Ceramics, Obsidian, Chert, BS

47G/004 Found: Ceramics, Obsidian, Chert, BS

47G/003 Found: Ceramics, Obsidian, BS

26-March-2002, Patrick Dresch

P'02-8-83

Started work 7:25. Sky is clear and it will probably get pretty hot today, apparently it reached 21°C yesterday (according to Liesel at the student compound). It feels slightly humid this morning, hopefully that won't last and we'll get a refreshing breeze.

~~Tomorrow~~ Today is the last scheduled day of excavation before Semana Santa. Workers are scheduled to do chopping for a half day tomorrow, which they don't seem to be too thrilled about. Adam and I have asked if we can come into the field tomorrow to save our workers from this terrible fate. Ed said he'd think about it.

Everyone's still working on the same sub-ops they were yesterday.

47C/021 10-30 cm BGS, NW corner unit 11.

Removing tumble, possibly fill.

Soil: Dark rich brown silty clay, some roots.

90% tumble (possibly fill), 25% smaller angular pebbles

47G/004 10-30 cm BGS, NW corner unit 2.

Soil: Dark rich brown silty clay, some roots, 25% angular pebbles  
removing tumble, possible wall in NE corner of unit

47B/031 120-130 cm just along base of BGS, NW corner unit 10.  
Just along base of wall

Soil: Dark rich brown silty clay, hard  
Some tumble

47B/032 I am working on removing tumble from unit 14 and 15.



26-March-2002, Patrick Dressch

P02-8-84

476/004 Found: Bone, Ceramics, Obsidian, Chert, BS

476/005 Removing tumble from S edge of unit 1.  
20-30cm BGS, NW corner unit 1.  
Soil: dark rich brown silty clay

476/032 Found: Bone, Shells, Ceramics, Obsidian, BS

476/033 Removing tumble from unit 7 in front of LOKI.  
10-70cm BGS, NW corner unit 7.  
Soil: Dark rich brown silty clay, some roots  
~5% small angular pebbles,  
quite a lot of tumble, some TD.

476/005 Found: Ceramics, Obsidian

476/006 Topsoil unit 3, 0-30cm BGS, NW corner unit 3.  
(3 is N of 2)  
Soil: Dark rich brown silty clay, roots,  
tumble, possible C.U.  
~2% sub-angular pebbles

476/021 Found: Bone, possible copper sample, ceramics, Obsidian,  
Chert, BS

476/022 Topsoil unit 12. 0-10cm BGS, NW corner unit  
12. (12 is SE of 11)  
Soil: Dark rich brown, silty clay, some roots  
~10% small sub-angular pebbles.

476/033 Found: Ceramics, Chert, BS, Obsidian.

26-MARCH-2002, Patrick Dresch

P02-8-85

47B/034 Checking to see if C.U. in unit ~~38~~ is floor or wall  
30-40 cm BGS, NW corner unit 8.  
Soil: Dark rich brown silty clay.  
Possible pebble floor,  $\approx 80\%$  sub angular pebbles

47B/032 40-60 cm BGS, NW corner 15  
Soil: Dark rich brown silty clay, roots.  
Mainly tumble,  $\approx 10\%$  small angular pebbles  
Found: Ceramics, Obsidian, Chert, BS

47G/006 Found: Ceramics, Obsidian, Chert, BS

47G/007 Topsoil unit 4: 0-10 cm BGS, NW corner unit 4.  
Soil: Dark rich brown silty clay.  
Fill, tumble and TD.  
 $\approx 5\%$  angular pebbles

47B/034 Found: Shells, Ceramics, Obsidian, BS

47B/035 Removing tumble from units 13 and 14.  
40-60 cm BGS, NW corner unit 14.  
Soil: Dark rich brown silty clay, loose, some roots  
Tumble and  $\approx 5\%$  small angular pebbles.  
Found: some bone, Ceramics, Obsidian, Shells, BS

47G/007 Found: Ceramics, Obsidian, Chert.

47C/022 Found: Ceramics, Obsidian, Chert BS.

47C/023 0-10 cm BGS, NW corner unit 13 (13 is SE of 12)  
Soil: Topsoil, Dark rich brown silty clay, tumble, fill, TD

27-March-2002, Patrick Dresch

P02-8-86

Started work at 7:30. Today is the first day of Semana Santa. None of my workers wanted to chop, so I agreed to come out to the field so that they can excavate instead.

There are quite a few clouds but probably 50% blue sky. It is already hot and pretty humid. Good thing it's only a half day. At least we don't have to deal with the haggies out at site.

Willmar and Abel are finishing 47B. Rafael and Don Julio are finishing 47B. Mario and Raymond Flores are now working up the other side of structure 86 (they are continuing with 47G but now working from N to S).

I plan to name some more C.U.s today.

47G/p028 Topsoil unit 5, 0-10 cm BGS NW corner unit 5.

(5 is most northerly of 47G).

Soil: Dark rich brown silty clay

~5% sub-angular pebbles

Found: Ceramics BS

47B/p36 Removing tumble from on top of BALDER and at base of LOKI.

10-30 cm BGS, NW corner unit 5.

Soil: Dark rich brown silty clay, ~10% subangular pebbles,

Tumble, Fill, TD

47G/p029 10-20 cm BGS, NW corner unit 5

Soil: Dark rich brown silty clay, hard.

~5% angular pebbles. some large stones possible floor (THK)

27 March 2002, Patrick Driesch

PJ2-8-87

- 47C/023 Found some carbon ( $\approx 20$  cm BGS) and in tumble/top of fill
- 47B/036 Found: Ceramics, Obsidian, Chert, BS
- 47G/004 Found: Ceramics, Obsidian, Chert, BS
- 47G/010 Adding another unit to N of 47G to see if C.U. in unit 5 is wall or floor.  
0-40 cm BGS, NW corner unit 6.  
Soil: Dark rich brown silty clay, roots  
 $\approx 10\%$  angular pebbles.
- 47B/037 Removing tumble unit 11. Looking for wall.  
20-80 cm BGS, NW corner unit 11  
Soil: Dark rich brown silty clay, 1 large root and some smaller roots.  
Tumble,  $\approx 15\%$  angular pebbles.
- 47C/023 Found some more carbon and a shell (50 cm BGS)
- 47G/040 Found: Ceramics, Obsidian, Chert
- 47G/014 20-20 cm BGS, NW corner unit 6.  
Soil: Dark rich brown <sup>hard</sup> silty clay, some roots.  
 $\approx 20\%$  angular pebbles.
- 47C/023 Found: Carbon, Shell, Ceramics, Obsidian, Chert, BS  
Mineral Copper sample

47G

27-March-2002, Patrick Dresch

P02-8-88

476/011 Found: Ceramics, Obsidian, Chert, BS

476/012 0-10 cm BGS, NW corner unit 7. (7 is S of 5)  
Topsoil: Dark rich brown, silty clay, roots.  
Some tumble ~ 2% angular pebbles.

476/024 Removing tumble around NORN,  
20-40 cm BGS, NW corner unit 3  
Soil: Dark rich brown, silty clay  
Tumble, ~ 15% sub-angular pebbles

476/012 Found: Carbon

476/013 10-20 cm BGS, NW corner unit 7  
Soil: Dark rich brown, silty clay hard, roots  
Tumble, ~ 15% angular pebbles

476/037 Found some bone

476/024 Found: Ceramics, Obsidian, BS, Copper

476/015 Found: Ceramics, Obsidian, Chert, BS

476/037 Found: Bone, Shells, Ceramics, Obsidian, Chert, BS

1-April-2002, Patrick Dreesch

702-8-89

Started work at 7:25.  $\approx 25\%$  cloud cover. Will probably get pretty hot. Slightly humid.

Semana Santa was a nice break and there was some interesting stuff to see. For some reason though, I am feeling slightly depressed. Hopefully getting back to work will help with that.

Ed says that he wants to do the section for 47B today so I'm having Willmar and Abel clean it. Rafael and Don Julio are finishing off 47C, and I'd like to discuss with Ed what to do next. This is because there was some doubt as to the nature of Norn last time in the field. As a result we took out half of it and revealed another wall running perpendicular to it.

47G/014 20-30cm BGS, NW corner unit 7  
Soil: Dark rich brown, silty clay hard  
Tumble, TD, possible Construction unit.  
 $\approx 15\%$  sub-angular pebbles.

47C/025 Cleaning around NDRN and possible Construction Unit.  
40-50cm BGS, NW corner unit 3 (this lot incorporates units 3 and 4)  
Soil: Dark rich brown silty clay  
 $\approx 20\% \approx 50\%$  sub-angular pebbles.

47G/014 Found: Ceramics, Obsidian, Chert, BS

47G/014 0-10cm BGS, NW corner unit 8. (8 is S of 7)  
Soil: Dark rich brown silty clay, roots.  
Tumble, possible C.U.  
 $\approx 2\%$  sub-rounded pebbles

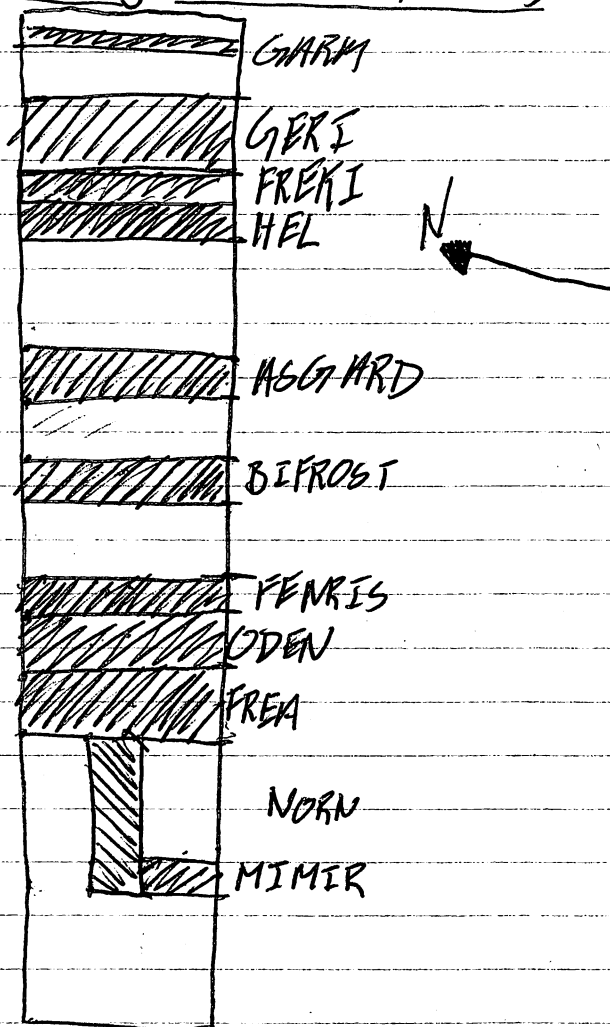
1-April-2002, Patrick Dresch

P'02-8-90

47C/025 Found: Ceramics, Obsidian, BS, possible Copper  
Finished 47C

47H/001 47H runs perpendicular to 47C, along <sup>MIMIR</sup> ~~Return~~ from N to S.  
It is 5 units long ( $334^{\circ}$  to  $154^{\circ}$ )  
0-10cm BS, NW corner unit 1. (unit 1 is 1m away  
from 47C so as to preserve section for drawing)  
Soil: Dark rich brown silty clay, rocks  
 $\approx 2\%$  sub-angular pebbles

47C: Names of Construction Units



1-APRIL-2002, Patrick Dreesch

P02-8-91

47G/015 Found: Ceramics, Obsidian, BS

47G/016 10-30 cm BGS, NW corner unit 8.  
Soil: Dark rich brown silty clay, roots?  
Tumble, possible C.U.

47H/001 Found: Ceramics, Obsidian, Chert, BS

47H/002 10-20 cm BGS, NW corner unit 1  
Soil: Dark rich brown silty clay.  
Tumble,  $\approx 25\%$  sub-angular pebbles

47I/001 47I runs perpendicular to 47B along BALDER.  
Runs roughly W to E ( $46^\circ$  to  $226^\circ$ ). Starts 50 cm in from  
47B to retain side for section and continues for 10m.  
0-20 cm BGS, NW corner unit 1.  
Soil: Dark rich brown silty clay, some roots.  
Tumble,  $\approx 2\%$  angular pebbles

47G/016 Found some possible copper

47I/001 Found some large obsidian blades together at  
Balder. They will be assigned their own lot.

47I/002 OBSIDIAN Blades. 4 cm. BGS.  
Area around blades is being cleaned so that blades  
can be photographed in situ.  
Found: 10 obsidian blades

47I/002 Found some Carbon



1-April - 2002, Patrick Drach

P02-8-92

47G/016 Found: Ceramics, Obsidian, Chert, BS, Copper

47G/017 Topsoil unit 9. 0-10cm BGS, NW corner unit 9.  
(9 is S of 8) Tumble, possible, CU -  $\approx$  5% angular pebbles.  
Soil: Dark rich brown, silty clay, loose, roots

47H/002 Found: Ceramics, Obsidian, Chert, BS

47H/003 20-30cm BGS, NW corner unit 1.  
Soil: Rich brown, silty clay, some roots.  
 $\approx$  15% sub-angular pebbles

47I/001 Found: Carbon; <sup>Carbon may be too shallow to use.</sup> Ceramics, Obsidian, Chert, BS

47I/003 Topsoil unit 2, 0-10cm BGS, NW corner unit 2.  
(2 is E of 1)  
Soil: Dark rich brown silty clay, loose, roots  
Tumble, TD,

47H/003 Found: Ceramics, Obsidian, Chert, BS, Copper, Carbon

47I/003 Found: Ceramics, Obsidian, Chert, BS

47G/017 Found: Ceramics, Obsidian, Chert, BS, Green glass

2-April-2002, Patrick Dresch

P02-8-923

Started work 7:20. A few clouds in the sky, but pretty clear. Cool but humid at the moment, will probably be hot and humid later on.

I'm not sure whether or not Pat and Ed finished drawing the section for 47B yesterday. If they have, I should probably try and find it to write down soil descriptions.

I remembered to bring a book to read during break today. I have started Lord Jim by Joseph Conrad. So far I am really enjoying it, and it is easy to get lost in the language.

Depending on how I feel, I may try and teach my Workers Cricket. Due to a lack of a bat, however, I may have to put this project off till after I have manufactured one.

47H/004 30-50cm BGS, NW corner unit 1.  
Soil: Dark rich brown silty clay, base. a few roots.  
Poorly sorted inclusions, 15% sub-angular, 10% sub rounded.  
Found some Bone.

47G/019 10-20cm BGS, NW corner unit 9.  
Removing lumbie.  
Soil: Dark rich brown silty clay  
A lot of lumbie, looking for C-U.  
~ 5% angular pebbles

47I/004 0-10cm BGS, NW corner unit 3. (3 is E of 2)  
Soil: Dark rich brown silty clay, base, lots of roots  
~ 2% angular pebbles.

47G/019 found some bone.

2-April-2002, Patrick Dreech

P02-8-94

- 476/018 Found a broken pot under a rock. Taking a picture of it before taking it out.  
looks like we found pieces of several pots, and some BS  
Due to quantity of sherds in small area I am giving this a new lot number  
These sherds were all on the border between units 8 and 9.
- 35-45 cm<sup>4</sup> BGS, area from which sherds were removed  $\approx 20\text{m}^2$   
Found: Ceramics, BS
- 476/018 Found: Ceramics, Obsidian, Chert, BS, Bone
- 476/020 40-60 cm BGS, NW corner unit 9.  
Soil: Dark rich brown silty clay/clay, v. heavy  
Tumble,  $\approx 30\%$  angular pebbles  
Found some copper
- 476/024 Pulling out more bone. Shells, copper, something white that looks a bit like porcelain but might be shell.  
Found Mirror.
- 476/024 Found: Ceramics, Obsidian, Chert, BS, copper
- 476/022 Topsoil unit 10. 0-10 cm BGS, NW corner unit 10.  
(10 is S of 9).  
Soil: Dark rich brown silty clay, loose, roots  
Tumble,  $\approx 15\%$  angular pebbles.
- 476/024 Found: Ceramics, Obsidian, Chert, BS

2-April-2000 Patrick Dineen

P02-8-95

47I/005 BLADE is becoming harder to follow as we move away from 47B.

Topsoil unit 4. 0-10 cm BGS, NW corner unit 4. (4 is E of 3)  
Soil: Dark rich brown, silty clay, base, quite a few roots.  
~ 15% sub-angular pebbles.

47H/005 Found 3, maybe more, separate bones in NW corner of unit 1. ~ 4 cm BGS  
Removed bones and placed in paper bag. Did not try to remove much soil from bones. Collected surrounding soil and placed in plastic bag.

47G/022 Found: Ceramics, Obsidian, Chert, BS

47G/023 10-20 cm BGS, NW corner unit 1.  
Soil: Dark rich brown, silty clay, hard.  
Tumble, ~ 10% angular pebbles

47H/024 Found: Bone, Ceramics, Obsidian, Chert, BS, Shells, Copper white stuff

47H/026 Topsoil Unit 2. Unit 2 is the bank between unit 1 and 47C. (2 is N of 1)  
0-10 cm BGS, NW corner unit 2.  
Soil: Dark, rich brown, silty clay, loose, some roots  
Tumble, ~ 10% sub-angular pebbles

47I/005 Found: Ceramics, Obsidian, Chert, 1 possible BS  
Possible ground stone

47n

2-April-2002, Patrick Drach

P02-8-96

47I/006

0-10 cm BGS, NW corner unit 5.

Soil: Dark rich brown, silty clay, loose, roots.

~ 5% sub-angular pebbles

Found a piece of stone that has a surface that was definitely been ground smooth.

47H/006

Found: Ceramics, Obsidian, Chert, BS

47H/007

10-20 cm BGS, NW corner unit 2

Turnble, ~ 20% sub-rounded pebbles

Soil: Dark rich brown, silty clay, fairly loose

Found: Ceramics, Obsidian, Chert, BS

47H/023

Found: Ceramics, Obsidian, Chert, BS

47I/006

Found: Ceramics, Obsidian, Chert, BS

3-April-2002, Patrick Driesch

702-8-97

Started work 7:25. Everyone's continuing with what they were doing yesterday. Nothing special, same old same old.

Sky is clear, rather humid. Will probably be really hot by this afternoon.

Not in a good mood this morning. Woke up cold. Miranda didn't give me the tomboos for las Canoas to be filled until 10 minutes before we were meant to leave. Then I was told that Jorge needed passports to be renewed, so further delay there. Ended up getting the late ride in and sitting next to Jojo while she was her obnoxious self. It's days like this that I'm glad I've isolated myself on top of my structure.

476/004 30-70<sup>BGS</sup> cm NW corner unit 9, trying to remove tumble to find C.U.

Soil: Dark rich brown, silty clay (A clay), hard  
Tumble  $\approx 20\%$  sub-angular pebbles

474/008 20-50<sup>BGS</sup> cm NW corner unit 2. Bringing unit down to top of MIMIR.

Soil: Dark rich brown, silty clay, hard  
+ ID. similar to midden.

Some tumble,  $\approx 15\%$  sub-angular pebbles.

471/007 0-10 cm BGS, NW corner unit 6.

Soil: Dark rich brown silty clay, some roots, fairly loose.

Some tumble,  $\approx 20\%$  sub-rounded pebbles.

Last unit in this direction before going back and trying to find BALDER further up slope.

476/024 Found some Carbon.

3-April-2002, Patrick Dreesch

702-8-98

474/008 Found some Carbon and bone. One of the pieces of bone may have some cut marks, or they may be marks left by roots in the soil.

475/007 Found: Ceramics, Obsidian, Chert, ~~stone~~

475/008 20-25 cm ~~thick~~ BGS, NW corner unit 7. Looking for floor of each crushed white rock at base of **BALDER**

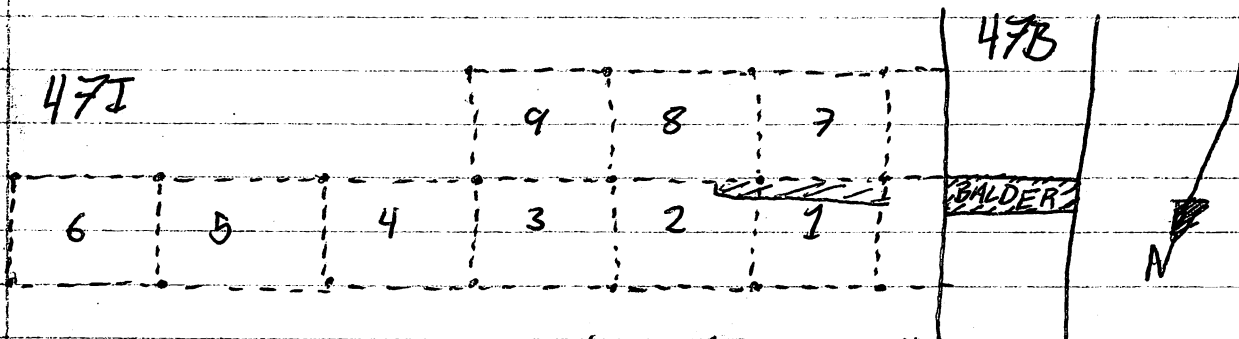
Soil: Dark rich brown silty clay, hard.  
Tumble:  $\approx 45\%$  sub-rounded and sub-angular pebbles

474/008 Found a shell, some copper.

476/024 Found a nice piece of bone.

475/008 Found: Ceramics, Obsidian, Chert

475/001 Since Balder becomes lost as we go East I am moving further upslope in the hope of finding **BALDER**.



0-10 cm BGS, NW corner unit 7. (7 is S of 1)  
Topsoil: Dark rich brown silty clay, loose, roots.  
Tumble:  $\approx 20\%$  angular pebbles

3-April-2002, Patrick Drach

P02-8-99

47H/008 Found: Carbon, bone, shells, copper, ceramics, chert, BS

47H/009 Topsoil unit 3, 0-20 cm BGS, NW corner unit 3 (3 is S of 5).  
Soil: Dark rich brown silty clay, loose, some roots  
Tumble, ~40% poorly sorted sub-rounded pebbles

47G/024 Found: Carbon, bone, ceramics, Obsidian, Chert, BS

47G/025 20-60 cm BGS, NW corner unit 20.  
Bringing this unit down to the top of the C.U. uncovered in unit 9.  
Soil: Dark rich brown, silty clay, quite hard  
Tumble, TD, ~20% sub-angular pebbles.

47H/009 Found: Ceramics, Obsidian, Chert, BS

47H/010 20-40 cm BGS, NW corner unit 3  
Soil: Dark rich brown, silty clay, a few roots  
some tumble, ~30% small angular pebbles  
[Found a scorpion, which Rafael killed]  
Found some carbon and some copper

47I/009 Found: Ceramics, Obsidian, Chert, BS

47I/010 0-20 cm BGS, NW corner unit 8. (8 is S of 2 and E of 7)  
Topsoil: Dark rich brown, silty clay, loose, quite a few roots.  
Tumble: ~20% sub-angular pebbles.



3-April-2002, Patrick Dineen

P02-8-100

474/010 Found: Copper, Bone, Carbon, Ceramics, Obsidian, Chert, BS

474/011 40-50cm BGS, NW corner unit 3  
Soil: Dark rich brown, silty clay, hard,  
Tumble, ~~20%~~ sub-angular pebbles

476/025 Found: Bone, Ceramics, Obsidian, Chert, BS

476/026 0-10cm BGS, NW corner unit 11.  
Soil: Dark rich brown silty clay, loose, rooters  
Tumble, 25% angular pebbles

474/011 Found: ~~some~~ Bone, Ceramics, Obsidian, Chert, BS

476/026 Will finish this lot tomorrow

474/011 Will finish this lot tomorrow. Didn't find any finds.

4-April-2002, Patrick Dreesch

702-8-101

Started work 7:25, Sky is clear, but there are clouds to the South. Managed to catch up on lot cards last night. Had a really bad night's sleep and am not feeling quite with it this morning.

All my workers are continuing with the trenches they were working on yesterday.

47H/012 ~~30-50 cm B6S~~, NW corner unit 3.

(removing tumble from S edge of 3)

Soil: Dark rich brown silty clay, hard.

Tumble, 10% sub-angular pebbles

47I/011 20-30 cm B6S, NW corner unit 8

Soil: Dark rich brown, silty clay, harder than topsoil.

Tumble, ~20% sub-angular pebbles

47G/026 Found a piece of Carbon

47H/012 Found a large sherd of redware that Ed seemed impressed by. Also found a piece of bone.

47I/011 Found: Ceramics, Obsidian, Chert, BS

47I/012 30-40 cm B6S, NW corner unit 8.

Have found a large stone that might be related to BALDER

Soil: Dark rich brown, silty clay, hard

Tumble, ~25% sub-angular pebbles

47G/026 Found: Carbon, Ceramics, Obsidian, Chert, BS

4-April-2002

702-8102

- 47G/0207 0-10 cm BGS, NW corner unit 12  
Topsoil: Dark rich brown silty clay, loose, roots  
Tumble,  $\approx 30\%$  angular pebbles
- 47I/012 Found: Ceramics, Obsidian, Chert
- 47I/013 0-10 cm BGS, NW corner unit ~~11~~ 9. (9 is S of 3 and E of 8)  
Soil: Dark rich brown silty clay, loose, lots of roots  
Tumble,  $\approx 5\%$  sub-angular pebbles
- 47A/002 Found a piece of metatē on the surface, up slope from 47I and roughly level with BCR.
- 47H/012 Found: Bone, Shells, Obsidian, Chert, BS
- 47H/012 0-50 cm BGS NW corner unit 3.  
Clearing tumble from S edge of 3  
Soil: Dark rich brown silty clay, harder with depth  
Tumble at top,  $\approx 20\%$  sub-angular pebbles
- 47I/013 No Finds
- ~~47I/014~~ 47I/014 10-30 cm BGS, NW corner unit 9.6  
Soil: Dark rich brown silty clay, lots of roots  
Lots of tumble,  $\approx 5\%$  sub-angular pebbles.  
Found a piece of metatē.
- 47G/0207 Found: Ceramics, Obsidian, Chert, BS

4-April-2002, Patrick Dresch

P02-8-103

476/028 0-10 cm BBS, NW corner unit 13.  
13 is between 12 and 47C.  
Soil: Dark rich brown silty clay, loose, roots  
Tumble, ~2% angular pebbles

475/001 Have 2 more workers, Milton and Bertrand. They are new workers without previous experience.  
Set out a new trench between 47B and 47G that runs up the slope. It is 8m long and runs from 322° to 142°.  
I hope to pick up Thor in the first few units.  
I may be able to clear between 475 and 47G so that I can see how structures 85 and 86 join together.

0-10 cm unit 1 BBS, NW corner unit 1.  
Unit 1 is most northerly of 475.  
Soil: Dark rich brown, dry loose clumps, some roots  
~2% rounded pebbles

474/014 Found a mano

474/47H/022 Found a large piece of metal in SW corner of unit 3. Half in wall of trench, will leave it in place for time being. It is propped up against a wall parallel to MIMER.

471/014 Found: Ground stone, Ceramics, Obsidian, Chert, BS

471/015 30-50 cm BBS, NW corner unit 9.  
Soil: Dark rich brown silty clay, reasonably loose, roots  
Tumble, ~15% sub rounded pebbles.

4-April-2002, Pentrick Dresch

P02-8104

- 471/025 Abel has just pointed out to me that the reason we are failing to find BALDER is that we reached its corner in unit 1. It looks like there may be a wall running from N to S from Balder to LOKI. This will be explored in the next lot.
- 474/028 Found: Ceramics, Obsidian, Chert, BS
- 476/029 10-30 cm BGS, NW corner unit 13.  
removing tumble / fill from next to ASGAR.  
Soil: Dark rich brown silty clay.
- 478/012 Have removed the metate
- 475/001 Found: Ceramics, Obsidian, Chert
- 473/002 10-20 cm BGS, NW corner unit 1  
Soil: Dark rich brown silty clay, hard, a few roots  
some tumble,  $\approx 10\%$  angular pebbles
- 471/015 Uncovered a white floor.  
Found: ~~bone~~ bone, shells, Ceramics, Obsidian (including a bifacial), Chert, BS
- 471/016 30-50 cm BGS, NW corner unit 9.  
looking for white floor and wall running from BALDER to LOKI.  
Soil: Dark rich brown silty clay, hard, ~~roots~~  
tumble,  $\approx 25\%$  angular pebbles
- 474/012 Found: Bone, Ground stone, Ceramics, <sup>some polychrome</sup> Obsidian, Chert, BS

4-APRIL-2002, Patrick Dreesch

P02-8-05

47H/013 0-20 cm BGS, NW corner unit 4. (4 is S of 3)  
Taking out tumble to find top of wall  
Soil: Dark rich brown silty clay, dry, loose, roots  
~25% sub-angular pebbles

47I/016 Found a couple of pieces of mortar.

47J/002 ~90% sub angular pebbles @ ~200 cm BGS. Might  
be about to hit THOR.

47G/029 Found: Ceramics, Obsidian, BS

47J/002 Found: Ceramics, Obsidian, Chert, BS

47G/030 0-10 cm BGS, NW corner unit 14. (14 is S of 47C)  
Soil: Dark rich brown silty clay, loose, roots  
Tumble, ~5% angular pebbles

47J/003 0-10 cm BGS, NW corner unit 2. (2 is S of 1)  
Soil: Dark rich brown silty clay, loose, roots  
\* Topsoil: ~5% sub-angular pebbles

~~47H/02~~ 47I/016 Found: Bone, Shells, Ground stone, Ceramics, Obsidian  
Chert, BS

47I/017 Taking out bank between 47I and 47B  
0-10 cm BGS, NW corner unit 10.  
Topsoil: Dark rich brown silty clay, loose, bits of roots  
Tumble, ~15% sub-angular pebbles

47H/013 Found: Ceramics, Obsidian, Chert, BS

5-April-2002, Patrick Driesch

702-8-106

Started work 7:20. Another night of bad sleep is taking its toll. In 5 minutes I managed to knock loose an extracted boulder that almost hit Abel, after which I discussed with Rafael and Don Julio what to do next and when I checked back they had started work on a different unit. Also as I look back on what I have just written, the words "literary genius" don't exactly spring to mind. Oh well, either I'll wake up soon or maim someone in trying. Adam and I agree that someone has been messing with the Feng Shui in our room, and that vital energies are being sucked out. None of us have slept well recently, but at least Aaron has the excuse of being sick, possibly malaria or dengue fever. He gets his blood tests today.

There are some clouds to the south. Hopefully they'll drift this way and we'll get some shade and some wind.

My workers are working away. Willmar and Abel are finishing a lot from yesterday, as are Antonio and Raymundo and Milton and Bertrand. I've got a good idea about needs to be done, so I don't think I'll need to consult with Pat or Ed today. This is a lucky coincidence as they are currently in San Pedro Sula.

47H/0134 20-40 cm BGS, NW corner unit 4.

Removing tumble from on top of wall and hoping to expose face of step

Soil: Dark rich brown silty clay, fairly loose, some roots.  
Lots of tumble, ~10% angular pebbles

475/003 Found: 1 ambiguous shell.

[Have another 2 workers because David isn't here. I'm using them to clear piles of loose stones and soil to make room for more trench.]

5-April-2002, Patrick Dresch

702-8-107

- 476/030 Have found a stone plug that looks rather like a cork.
- 473/004 10-20cm BGS, NW corner unit 2.  
Soil: Dark rich brown silty clay, roots, hard.  
≈ 15% angular pebbles
- ~~474/016~~ 471/016 Found: Ceramics, Obsidian, Chert.
- 471/018 0-40cm BGS, NW corner unit 11. (11 is bank S of 10)  
Soil: Dark rich brown silty clay, roots, loose  
lots of tumble, ≈ 2% sub-angular pebbles
- 476/030 Found: Stone plug, Ceramics, Obsidian, Chert, BS
- 476/031 10-20cm BGS, NW corner unit 14.  
Removing Tumble/Fill from face of Asgard.  
Soil: Dark rich brown silty clay, hard, roots  
≈ 25% angular pebbles
- 474/014 Found: Ceramics, Obsidian, Chert, BS.
- 474/015 0-10cm BGS, NW corner unit 5. (5 is E of 3)  
Topsoil: Dark rich brown silty clay, loose clumps, roots  
Tumble, 5% angular pebbles.
- 471/018 Found: Ceramics, Obsidian, BS
- 471/019 Bringing 471 further up slope to find face of LOKI.  
0-10cm BGS, NW corner unit 12 (12 is S of 11 and 7)  
Soil: Dark rich brown silty clay, loose, some roots  
Tumble, ≈ 5% sub-angular pebbles



5-April-2002, Patrick Dresch

P02-8-108

47J/004 Found: Ceramics, Obsidian, Chert, BS

47J/005 0-20 cm BGS, NW corner unit 3. (3.38 of 2)  
The soil seems to be constant to this depth in the other 2 units.

Topsoil: Dark rich brown, silty clay, dense, roots.  
~15% sub-angular pebbles

47I/019 Found: Ceramics, Obsidian, Chert, BS

47I/020 Removing tumble from in front of LOKI.  
10-60 cm BGS, NW corner unit 12.

Soil: Dark rich brown silty clay, very loose, some roots.  
Tumble & ~2% sub-angular pebbles

47G/031 Found: Ceramics, Obsidian, Chert, BS  
Finished with this sub op for the time being, but will probably come, come back to tidy a few things up after consulting with Pat and Ed.

47K/001 47K is perpendicular to 47G, and follows VANIR (1st wall picked up in 47G). It runs from 236° to 76°.

Unit 1 is to the E of 47G, there is a bank of 50 cm between 47G and 47K.

0-20 cm BGS, NW corner unit 1.

Topsoil: Dark rich brown silty clay, fairly hard, roots.  
~2% angular pebbles

47H/015 Found: Ceramics, Obsidian, Chert, BS

5 April 2002, Patrick Dresch

P02-8-109

47V/016 20<sup>3</sup>/<sub>4</sub> cm BGS, NW corner unit 5  
Soil: Dark rich brown silty clay, hard, some roots.  
Tumble, Top of FREA,  $\approx$  20% poorly sorted sub-angular pebbles.  
Finding some small bones.

47I/020 Found: Ceramics, Obsidian, Chert, BS

47I/021 0-20 cm BGS, NW corner unit 13. (13 is E of 12)  
Topsoil: Dark rich brown silty clay, loose, roots  
Tumble,  $\approx$  2% sub angular pebbles

47J/025 Found: Ceramics, Obsidian, Chert, BS

47J/006 0-<sup>2</sup>/<sub>2</sub> cm BGS, NW corner unit 4. (4 is S of 3)  
Soil: Dark rich brown silty clay, hard underneath 5 cm of loose, roots.  
Tumble,  $\approx$  5% angular pebbles

47K/004 Found: Ceramics, Obsidian, Chert, BS

47K/002 0-20 cm BGS, NW corner unit 2 (2 is E of 1)  
Topsoil: Dark rich brown silty clay, hard.  
 $\approx$  2% sub-angular pebbles, VANTIR may finish in this unit.

47H/016 Found: Ceramics, Obsidian, Chert, BS, Bone, Carbon

47I/021 Found: Ceramics, Obsidian, Chert, BS

8-April-2002, Patrick Dresch

P02-8-110

Started work 7:25. I have discussed with Ed how I want to finish off 47G, so now I know what to do I'll go back to it after finishing the Eastern section of 47K. Willmar and Abel are still following LOKI. Rafael and Don Julio are working on exposing FREA in 47H. I think Antonio and Raymundo Flores have reached the East end of VALL, but I plan to go deeper to see if I can find THOR. Milton and Bertrand are continuing with 47S, and I think they may be starting to hit significant structure tumble, construction units probably won't be far behind.

The sky is clear, not a cloud in sight. There is, however, a dirty haze hanging over the mountains will probably get bloody hot today.

Personal moral seems to be looking up. Made a purchase of a "lupper-ware" container over the weekend. I'm pretty excited about this because now I can keep my sandwich in my backpack without it getting crushed. I can even pack leftovers from dinner for lunch, the possibilities are truly endless.

On Saturday I was on the same bus as Willmar into San Pedro Sula. The steering on this bus happened to break and it ended up in a ditch, so a bit of excitement there.

47H/017

30-50cm BGS, NW corner unit 5.

Removing tumble from face of FREA and wall perpendicular to it.

Soil: Dark rich brown, silty clay, hard, roots  
Tumble, ~50% sub-rounded pebbles  
Found some bone.

8-April-2002, Patrick Dresch

702-8-111

47I/022 10-60 cm BGS, NW corner unit 13.  
Removing tumble from face of LOKI.  
Soil: Dark rich brown silty clay, slightly clumpy but pretty loose, some roots  
~ 20% sub-angular pebbles, poorly sorted.

47K/002 Found: Ceramics, Obsidian, BS

47K/003 20-30 cm BGS, NW corner unit 2.  
Going deeper to look for THOR.  
Soil: Dark rich brown, silty clay, very hard  
~ 10% sub-rounded pebbles.

[The N most part of Frea in 47C seems to have fallen down over the weekend]

47I/022 Found: Ceramics, Obsidian, Chert, BS, Groundstone

47I/023 60-70 cm BGS, NW corner unit 13  
Clearing soil in front of LOKI to THOR and base of BALDER.  
Soil: Dark rich brown silty clay, hard.  
White limestone inclusions ~ 10%.

47H/017 Found: Bone, Ceramics, Obsidian, Chert, BS

47H/018 50-70 cm BGS, NW corner unit 3.  
Soil: Dark rich brown silty clay, hard  
Tumble, ~ 20% poorly sorted sub-angular pebbles.

47I/023 Found: Ceramics.

8-April-2002, Patrick Dreesch

P02-8-112

47I/024 0-10 cm BGS, NW corner unit 14 (14 is E of 13)  
14 is 1.5 m wide to bring its E edge level with unit 9.  
The E edge of unit 9.  
Soil: Dark rich brown silty clay, loose, roots,  
tumble,  $\approx 15\%$  sub-rounded pebbles

47J/006 Eon Found; Ceramics, Obsidian, Chert, BS

47S/004 0-10 cm BGS, NW corner unit 5. (5 is E of 4)  
Topsoil: Dark rich brown silty clay, loose, roots  
Tumble;  $\approx 5\%$  sub rounded pebbles

47K/003 Found: Ceramics, Obsidian, Chert, BS

47K/004 30-40 cm BGS, NW corner unit 2.  
Soil: Dark rich brown clay, hard.  
 $\approx 2\%$  large sub-rounded pebbles  
Found some carbon

47H/018 Found: Ceramics, Obsidian, Chert, BS

47H/019 0-20 cm BGS, NW corner unit 6 (6 is N of 5)  
Exposing Face of R. FREA.  
Topsoil: Dark rich brown silty clay, loose, a few roots.  
Tumble,  $\approx 5\%$  sub-angular pebbles

47I/024 Nothing from first 10 cm

47I/025 10-80 cm BGS, NW corner unit 24.  
Soil: Dark rich brown silty clay, fairly loose, roots,  
Tumble,  $\approx 15\%$  sub rounded pebbles.

8-April-2004 Patrick Dresch

P02-8-113

47K/004 Found: Carbon, ~~Ceramics~~ Ceramics, Obsidian, Chert, BS

47K/005 40-50cm BGS, NW corner unit 2.  
Soil: Rich brown, clay.  
Tumble, ~2% sub-angular pebbles

47J/007 Found: Ceramics, Obsidian, BS

47J/008 10-30cm BGS, NW corner unit 5.  
Soil: Dark rich brown silty clay, roots,  
Tumble, ~5% angular pebbles

47H/019 Found: Ceramics, Obsidian, BS

47H/020 20-40cm BGS, NW corner unit 6.  
Soil: Dark Rich brown, silty clay, hard, a few roots  
Tumble, ~50% angular pebbles  
Found carbon

47K/005 Found: Carbon, Ceramics, Obsidian, Chert, BS

47G/032 10-20cm BGS, NW corner unit 3.  
Taking out tumble to find face of wall.  
Soil: Dark rich brown silty clay, hard, roots  
Tumble, ~15% angular pebbles  
Found: Ceramics, Obsidian, BS

47G/033 10-20cm BGS, NW corner unit 4.  
Removing tumble to find face of wall  
Soil: Dark rich brown silty clay, roots  
~60% sub-angular pebbles

8-April-2002, Patrick Dreesch

P02-8-114

474/020 Found: Ceramics, Obsidian, Chert, BS, Carbon

474/021 40-50 cm BS, NW corner unit /  
Bringing down to level of floor, soil too chunky to screen  
Soil: Dark rich brown silty clay, hard  
Tumble, & 10% sub-angular pebbles.  
Found: Bone, Carbon

475/020 Found: Carbon, Shells, Ceramics, Obsidian, Chert, BS

476/033 Found: Ceramics, Obsidian, Chert, BS

477/021 Found: Carbon, Bone, Ceramics, Obsidian, BS

478/008 Found: Ceramics, Obsidian, Chert, BS

9-April-2002, Patrick Dieck

P02-8-1145

Started work 7:25. Gave Ed a site tour and discussed what needs to be done. He is planning on drawing the section for 47G.

Sky is clear, slight haze over the mountains. Feels rather humid at the moment.

Aaron is in the hospital today. Apparently they're going to redo his blood ~~ex~~ tests and do a fat scan of his chest. There's a possibility that he may have to return to the States, which ~~which~~ he is not looking forward to. Hoping for a miraculous recovery.

Jon Julio is not here today, so I've got Orlando replacing him.

47H/022 0-20 cm BGS, NW corner unit 7. (7 is N of 6)

Exposing face of FREA. Topsoil

Soil: Dark rich brown silty clay, loose, roots  
Tumble,  $\approx 5\%$  angular pebbles.

47I/026 0-10 cm BGS, NW corner unit 15 (15 is S of 4 and E of 9) Topsoil

Soil: Dark rich brown silty clay, fairly loose, roots  
Tumble,  $\approx 2\%$  sub-angular pebbles

47J/024 0-20 cm BGS, NW corner unit 6 (6 is S of 5)

Topsoil: Dark rich brown silty clay, loose, roots,  
Tumble, looking for LOKI,  $\approx 5\%$  sub angular pebbles

47K/026 0-20 cm BGS, NW corner unit 3 (3 is S of 2)

Looking for wall running S from VANIR to indicate corner  
Top Soil: Dark rich brown silty clay, top ~~to~~ 5 cm is loose  
then harder soil, roots



9-April-2002, Patrick Dresch

P02-8-116

47K/006 Some tumble,  $\approx 10\%$  angular pebbles.

47I/026 Found: Ceramics

47I/027 10-30cm BGS, NW corner unit 15.

Removing Tumble to level of THOR.

Soil: Dark rich brown silty clay, fairly loose, roots  
 $\approx 70\%$  tumble,  $10\%$  angular pebbles

47H/022 Found: Ceramics, Obsidian, Chert, BS

47H/023 20-50cm BGS, NW corner unit 7.

Clearing face of FREA and bring down level with MIMIR.

Soil: Dark rich brown silty clay, chunky, a few roots  
Some tumble,  $\approx 25\%$  sub-rounded pebbles, some carbon

47K/006 No sign of wall reaching 6.  
Found: Ceramics, Obsidian, BS

47K/007 0-20cm BGS, NW corner unit 4. (4 is W of 47G  
with a bank of 50cm between the 2).

Soil: Dark rich brown silty clay, hard, some roots  
looking for VANIR  
Some tumble,  $\approx 2\%$  sub-angular pebbles

47I/027 Finding some bone at level of white surface of THOR.  
Ed thinks there's a possibility it could be human.

47J/009 Found: Ceramics, Obsidian, Chert, BS

9-April-2002, Patrick Dresson

P02-8-117

475/010

20-40cm BGS, NW corner unit 6

Soil: Dark rich brown silty clay, slightly hard, no roots  
Tumble; ~15% sub-angular pebbles.

Found: Bone, Ceramics, Chert, BS, Oxidized

Have uncovered line of stones, may be top of LOKI

475/011

40-90cm BGS, NW corner unit 6

Removing soil and tumble in front of line of stones in hope  
of finding LOKI.

Soil: Dark rich brown silty clay, hard, a few roots  
Tumble, ~10% angular pebbles.

475/012

Removing bone. Part of it looks like it may have been  
cut. (~60cm BGS) More likely just very clean  
break.

47K/007

Found: Ceramics, Oxidized, Chert, BS

47K/008

0-20cm BGS, NW corner unit 5. (5 is V of 4)

Soil: Dark rich brown silty clay, hard, roots  
Tumble. ~2% sub-angular pebbles

47K/009

Found: Bone, Carbon, Ceramics, Oxidized, Chert, BS

47K/010

40-70cm BGS, NW corner unit 5.

Removing tumble I thought was a C.U.

Soil: Dark rich brown silty clay, clumps, a few roots  
Tumble ~10% sub-angular pebbles

47I/027

Found: Bone, Ceramics, Oxidized, Chert, BS

9-April-2002, Patrick Drench

P00-8-118

47I/028 0-30 cm BGS, NW corner unit 16 (16 is 15 & 15)  
Topsoil above LOKI  
Soil: Dark rich brown silty clay, hard, roots  
Tumble, ~10% angular pebbles  
Found: Ceramics, Obsidian, Chert, BS

47I/029 10-80 cm BGS, NW corner unit 16  
Clearing tumble from LOKI.  
Soil: Dark rich brown silty, hard  
Tumble, ~15% sub-angular pebbles.

47K/028 Found: Ceramics, Obsidian, Chert, BS

47K/029 0-20 cm BGS, NW corner unit 6 (6 is 15 & 15)  
Topsoil: Dark rich brown silty clay, hard, roots  
& minimal tumble, 2% angular pebbles  
Following VANIR

47H/024 Found: Ceramics, Obsidian, BS, Shell

47H/025 80-90 cm BGS, NW corner unit 5.  
Looking for wall running from FFA FREA to MIMIR  
as indicated by abrupt finish of plaster floor  
Soil: Grayish brown silty clay, hard  
Tumble/fill, ~20% angular pebbles.  
Finding a lot of fill stones, possible floor, clearing  
off at this level.

47I/029 Finding more Motaté, bone & shells.  
Found: Ceramics, Obsidian, Chert, BS, Ground stone,  
bone, shells, Clearing a large piece of bone sticking out of LOKI

4-April-2002, Patrick Dreech

P02-8119

47H/025 No finds

47J/041 Found: Ceram Ceramics, Obsidian, Chert, BS

47J/052 0-10 cm BGS, NW corner unit 7 (7 is 5 of 6)  
Continuing upslope with axial trench  
Topsoil: Dark rich brown silty clay, loose, roots  
lots of tumble, a 10% sub-angular pebbles

47I/030 0-10 cm BGS, NW corner unit 17 (17 is E of 15)  
Topsoil: Dark rich brown silty clay, loose, roots  
lots of tumble, a 10% sub-angular pebbles.  
No Finds

47K/004 Found Ceramics, Obsidian, Chert, BS

10-April-2002, Patrick Dresch

2002-8-120

Started work 7:20. Have laid out more units of 47 ft extending N from 47C to 47K, hopefully along MIMIR.

There are a few clouds to the West, but mainly it's just blue sky with a dirty haze over the mountains.

Feeling a bit tired this morning, hopefully I'll wake up as the day progresses. Hopefully we'll have a nice bit of wind as the day progresses, otherwise it will just be uncomfortably hot.

Aaron returned to the United States yesterday. He'll be in hospital in Austin, where hopefully they'll find out what's wrong with him. If it's histoplasmosis he may require an "invasive procedure" on his lungs. In which case the likelihood of him returning for the rest of the semester is pretty slim.

47I/001 10-30 cm BGS, NW corner unit 17  
Soil: Dark rich brown silty clay, reasonably loose  
Tumble,  $\approx$  20% sub-angular pebbles.

47K/010 20-30 cm BGS, NW corner unit 6.  
Looking for base of VANIR.  
Soil: Dark rich brown silty clay, hard.  
 $\approx$  5% sub-angular pebbles

[I have just been informed by Lauren that Bryan wants to take Willmar and Abel away to do test pits in caves. It looks like progress in 47I will be delayed.]

10-April-2002, Patrick Dresch

P02-8-121

0-10

47H/026

10-20 cm BGS, NW corner unit 8. (8 is N of 47C)

Following MIMIR to the N to see if it joins up with VANIR.

Topsoil: Dark rich brown silty clay, loose, roots.

Tumble,  $\approx 30\%$  sub-angular pebbles.

Found: Ceramics, Obsidian, Chert, BS

47H/027

10-20 cm BGS, NW corner unit 8.

Bringing down to height of NORN, looking for MIMIR

Soil: Dark rich brown silty clay, hard clumps, roots  
Tumble,  $\approx 30\%$  poorly sorted sub angular pebbles.

47I/031 Found: Bone, Ceramics, Obsidian, Chert, BS, roté and other shaped stone.

47J/012

Found: Ceramics, Obsidian, Chert, BS

47J/013

10-30 cm BGS, NW corner unit 7.

Bringing unit down to top of ZORI.

Soil: Dark rich brown, silty clay, loose, roots.

Tumble,  $\approx 15\%$  poorly sorted sub-angular pebbles.

Found what might be part of an animal skull.

47K/014

Found: Ceramics, Obsidian, Chert, BS

47K/011

0-20 cm BGS, NW corner unit 7. (7 is N of 6 and is

50 cm wide to pick up edge of VANIR)

Soil: Dark rich brown silty clay, hard.  
 $\approx 2\%$  sub-angular pebbles

10-April-2002, Patrick Dresch

P02-8-122

47H/027 Found: Ceramics, Obsidian, Chert, BS

47H/028 20-30cm BGS, NW corner unit 8  
Trying to clear around MIMIR.  
Soil: Dark rich brown silty clay, hard.  
Tumble, C.U., ~5% sub-rounded pebbles

47K/021 Found: Ceramics, Obsidian, Chert, BS

47K/022 0-20cm BGS, NW corner unit 8 (8 is S of 6)  
Corner that meets VANIR then meets 47H.)  
Soil: Topsoil, dark rich brown silty clay  
~2% sub-angular pebbles.  
Found: Ceramics, Obsidian, Chert, BS

47K/023 20-30cm BGS, NW corner unit 8.  
Leveling off to base of wall.  
Soil: Dark rich brown, silty clay, hard.  
~10% sub angular pebbles

47H/028 Ceramics, Obsidian, Chert, BS (little sign of MIMIR)

47H/029 0-10cm BGS, NW corner unit 9 (9 is N of 8)  
Topsoil: Dark rich brown silty clay, loose, roots.  
Tumble, ~20% angular pebbles.

47J/023 Found: Ceramics, Obsidian, Chert, BS

47J/024 30-40cm BGS, NW corner unit 7.  
Soil: Dark rich brown, silty clay, loose  
Tumble, 25% sub-angular pebbles.

10-April-2002, Patrick Dreesch

P02-8-123

475/034 Finding some polychrome

47A/013 Found: Ceramics, Obsidian, Chert, BS

47K/014 0-20 cm BGS NW corner unit 9 (9 is bank between 47G and unit 1)

Soil: Dark rich brown silty clay, hard, roots & 1% sub-angular pebbles, ~~MINER~~ VANK.

475/034 Found: Ceramics, BS, ~~the~~ shells

475/015 40-60 cm BGS. Taking out NW corner unit 7. Taking out tumble looking for CU.  
Soil: Dark rich brown silty clay, loose, a few roots  
Tumble, ~ 5% sub-rounded pebbles.

47H/029 Found: Ceramics, Obsidian, Chert, BS

47H/030 ~~40-30~~ cm BGS, NW corner unit 9.  
Removing tumble, looking for MINER.  
Soil: Dark rich brown silty clay, hard  
Tumble, ~ 10% sub-angular pebbles.

47K/014 Found: Ceramics, Obsidian, BS

47K/015 0-20 cm BGS NW corner unit 10 (10 is bank between 47C and unit 4)  
Soil: Dark rich brown silty clay, hard, roots  
Minimal tumble, ~ 2% sub-angular pebbles.

470/015 Found: Ceramics, Obsidian, BS, Shells



10-April-2002, Patrick Dresch

P02-8-124

47J/P16 0-10cm B65, NW corner unit 8. (8 is 5 of 7)  
last unit of this trench as there is a tree stump in next  
metre.

Topsoil: Dark rich brown silty clay, loose, roots.  
Tumble, ~ 15% sub-angular pebbles.

47K/P15 Found: Ceramics, Obsidian, Chert, BS  
End of Sub-Op.

47M/P01 This is a 2m long sub-op that heads W from unit 3  
of 47G. The purpose of this sub-op is to identify  
whether or not there is a C.U. in unit 3 of 47G or if  
it is tumble.

0-10cm B65, NW corner unit 1.

Topsoil, dark rich brown silty clay, fairly hard

47N/P30 Found: Ceramics, Obsidian, Chert, BS  
[Asked Rafael why "Don Julio" isn't here, was told he went  
to San Pedro because his father died]

47M/P01 Found: Ceramics

# 12 - April 2002, Patrick Dresch

702-8-1225

Started work 7:25. Yesterday was pretty cloudy but I don't think there was any rain. Today there are some clouds dotted around the mountains, but the sky is predominantly blue.

We were given a personal day yesterday, so a chance to catch up on some sleep. Managed to finish reading Lord Jim yesterday. Also phoned Aaron in the United States. He seems to be doing well and is being treated for hysto plasmosis. He hopes to be back in Honduras in a couple of weeks. Also picked up my dad from the airport and had dinner in San Pedro, which was a nice change of pace.

47H/031 0-10cm BGS, NW corner unit 10. (10 is N of 9)

Continuing to follow MIMIR.

Soil: Dark rich brown silty clay, reasonably loose, some roots.

Tumble, \* 15% sub-angular pebbles.

47I/032 0-10cm BGS, NW corner unit 18. (18 is S of 17)

Taking away soil from on top of LOKI.

Topsoil: Dark rich brown silty clay, loose, roots.

Tumble;  $\approx$  10% sub-angular pebbles.

47M/002 10-20cm BGS, NW corner unit 1.

Bringing down to base level of 47G.

Soil, dark rich brown silty clay, hard, roots.

Some tumble, possible C.U.,  $\approx$  5% sub-angular pebbles.

47H/001 Found: Ceramics, Obsidian

12-April-2002, Patrick Dresch

P'02-8-126

47H/032 10-30 cm BGS, NW corner unit 10  
Bringing down to base of unit 9, looking for MIMIR.  
Soil: Dark rich brown silty clay, somewhat loose, roots.  
~80% tumble, ~5% sub-angular pebbles

47S/016 Found: Ceramics, Obsidian, Chert

47S/017 10-30 cm BGS, NW corner unit 8.  
Removing soil and tumble, hoping to find C.U.  
Soil: Dark rich brown silty clay, hard, a few roots.  
Tumble, ~5% sub-angular pebbles

47I/032 Found: Ceramics, Obsidian, Chert, BS

47I/033 10-90 cm BGS, NW corner unit 18.  
Removing soil and tumble from face of LOKI  
Soil: Dark rich brown silty clay, reasonably loose, roots  
Tumble, ~20% sub-angular pebbles.  
Finding some bone @ ~40 cm BGS.  
Found: Bone, Ceramics, Obsidian, Chert, BS

47M/000 Found: Ceramics, Obsidian, Chert, BS.  
Looks like possible feature is tumble, not C.U.

47P/001 Sub of P follows box like C.U. East from 47G to  
find its limit. Strating P as a single unit-long, will  
see if it needs to be added to.  
0-10 cm BGS, NW corner unit 1.  
Topsoil: Dark, rich brown silty clay, fairly loose, some roots.  
Tumble, ~1 to sub-angular pebbles.

12-April-2002, Patrick Dresch

P02-8-127

- 471/034 0-10 cm BGS, NW corner unit 19. (19 is E of 17)  
Soil: Dark rich brown silty clay, fairly loose, roots  
Tumble,  $\approx 2\%$  sub-angular pebbles
- 471/001 Found: 1 piece of Obsidian
- 471/002 10-20 cm BGS, NW corner unit 1.  
Possible line at S edge, bringing down to top of box  
in units 476.  
Soil: Dark rich brown silty clay, fairly loose, roots  
Tumble,  $\approx 5\%$  sub-angular pebbles.  
Found some Carbon
- 471/034 Found: Nothing
- 471/035 10-40 cm BGS, NW corner unit 19.  
Soil: Dark rich brown silty clay, looser, roots  
Tumble,  $\approx 15\%$  sub-angular pebbles  
Faintly pot smash 24 cm BGS, 55 cm from S  
edge, 60 cm from E edge  
Bone  $\approx 30$  cm BGS.
- 473/017 Found: Ceramics, Obsidian, Chert, BS
- 473/018 30-40 cm BGS, NW corner unit 8.  
Soil: Dark rich brown silty clay, clumpy, roots  
Tumble,  $\approx 20\%$  sub-rounded pebbles
- 473/012 Found: 2 sherds, Carbon

12-April-2002, Patrick Dresch

702-8-128

- 478/003 20-30 cm BGS, NW corner unit 1  
Bringing down to base of 476, trying to discern box.  
Soil: Dark rich brown silty clay, clumps, roots  
Tumble,  $\approx 10\%$  angular pebbles
- 471/035 Found: Bone, Ceramics, Chert, BS, Obsidian
- 471/036 0-10 cm BGS, NW corner unit 20 (20 is S of 19)  
Topsoil: Dark rich brown silty clay, loose, roots,  
Tumble,  $\approx 10\%$  sub-angular pebbles
- 471/032 Found: Ceramics, Obsidian, Chert, BS
- 471/034 0-10 cm BGS, NW corner unit 11 (11 is N of 10)  
Topsoil: Dark rich brown silty clay, very loose, roots  
Tumble,  $\approx 25\%$  small angular pebbles
- 477/003 Found: Ceramics, Obsidian, BS, Coppe.
- 477/004 0-20 cm BGS, SE corner unit 1.  
Removing tumble from S edge of unit on top of C.U.  
Soil: Dark rich brown silty clay.  
Tumble,  $\approx 15\%$  5% sub-angular pebbles.
- 475/018 Found: Ceramics, Obsidian
- 475/019 40-60 cm BGS, NW corner unit 8  
looking for face of wall.  
Soil: Dark rich brown silty clay, hard,  
Tumble,  $\approx 20\%$  sub-angular pebbles

12-April-2002, Patrick Dreesch

P02-8-129

471/036 Found: Ceramics, Obsidian, BS, Chert

471/037 10-90cm BGS, NW corner unit 20  
Removing soil and tumble from face of LOKI.  
Soil: Dark rich brown silty clay, fairly loose, roots  
Tumble,  $\approx 10\%$  sub-angular pebbles.  
Found: Ceramics, Obsidian, Chert, BS

471/038 10-10cm BGS, NW corner unit 21 (21 is E of 19)  
Top Soil: Dark rich brown silty clay, loose, lots of roots  
Tumble,  $\approx 10\%$  sub-angular pebbles  
No Finds

474/033 Found: Ceramics, Obsidian, Chert, BS

475/019 Found: Shell, Ceramics, Obsidian, Chert, BS

477/004 Found: Ceramics, Obsidian, Chert, BS

15-April-2002, Patrick Dresch

P02-8-130

Started work at 7:25. It's cool but humid this morning. The sky is almost entirely grey, except for a small patch of blue sky straight above us.

Started off the day by talking over my structure with Ed. I've got a lot to do in the next few weeks.

For some reason the alarm didn't go off this morning, so Adam and I were about 20 minutes later than usual. Luckily we usually get up early enough that it wasn't a problem.

Even I think today may be called short by rain. Although it would be nice to have a bit more time off, I feel I have a lot to be done in a short time. Also with a personal day last week, and site tours tomorrow and Thursday, I feel I'm not getting much done at the moment. It would also be fun to take a day to do caves with Bryan.

47A/034

10-20 cm BGS, NW corner of unit 20.

Removing tumble.

Soil: Dark rich brown silty clay, hard.

Tumble,  $\approx 20\%$  sub-angular pebbles

47B/035

47I/039

20-30 cm BGS, NW corner of unit 21.

Levelling off, even with base of 19.

Soil: Dark rich brown silty clay, fairly loose, some roots.

Tumble,  $\approx 15\%$  sub-angular pebbles.

47C/040 60-70 cm BGS, NW corner unit 8.

A layer of possible plaster has appeared in S face of unit 8. Removing soil on top of fill that has no soil between stones.

15-April-2002, Patrick Dresch

P02-8-131

478/020 Soil: Rich brown clay, hard.  
Tumble,  $\approx 10\%$  sub-angular pebbles

47P/005 0-10 cm BGS, NW corner of unit 2. (2 is E of 1)  
Continuing 47P E to get better sense of tumble in unit 1.  
This sub-op will connect 47G to 475 and will act as  
a base for room to clear the rest of str. 86, and see  
how it connects to str. 85.  
Topsoil: Dark rich brown silty clay, hard, roots.  
Minimal tumble,  $\approx 2\%$  sub-angular pebbles

475/020 Found: Bone, Shells, Ceramics, Obsidian, BS

47I/039 found bone at 40 cm BGS (SE corner unit 21)

475/021 70-80 cm BGS NW corner unit 8.  
Soil: Dark rich brown silty clay, hard,  
Tumble,  $\approx 10\%$  angular pebbles

47H/034 Found: Ceramics, Obsidian, BS.

475/021 Found some Carbon at  $\approx 90$  cm BGS. Possibly too little  
to test

47I/034 Found: Bone, Ceramics, Obsidian, Chert, BS

47I/040 0-10 cm BGS, NW corner unit 22 (22 is S of 21)  
Soil: Dark rich brown silty clay, loose, small tree  
stump, other roots  
Tumble,  $\approx 5\%$  angular pebbles



15-April-2002, Patrick Dreesch

PCR-8-132

475/021 The little bit of Carbon has turned into a whole lot of carbon. The soil is considerably blacker in this area ( $\approx 10$ cm across) all ceramics have been found within 20cm of this deposit

Found: Carbon, Shells, Ceramics, Obsidian, BS

477/005 Pulling out some carbon, only  $\approx 20$ cm BS

475/022 80-100cm BS, NW corner unit 8  
Taking out tumble easily distinguished from fill.  
Soil: Rich brown silty clay, ~~loose~~ v. loose.  
Tumble,  $\approx 2\%$  sub-angular pebbles.

471/040 Found: Ceramics, Obsidian, Chert, BS

471/041 10-80cm BS, NW corner unit 22.  
Removing soil and tumble from where face of LORI should be.  
Soil: Dark rich brown silty clay, loose, roots  
Tumble,  $\approx 10\%$  sub-angular pebbles

474/035 0-10cm BS, NW corner unit 21 (21 is N of 20)  
Topsoil: Dark rich brown silty clay, hard, roots  
Tumble,  $\approx 10\%$  sub-angular pebbles

479/005 Found: some copper, carbon, Ceramics, Obsidian

472/006 0-10cm BS, NW corner unit 3 (3 is E of 2)  
Topsoil: Dark rich brown silty clay, fairly loose, roots  
Tumble,  $\approx 5\%$  sub-angular pebbles

15-April-2002, Patrick Desch

702-8-133

475/022 Shells, Ceramics, BS

475/023 10-70 cm BGS, NW corner unit 6  
Straightening sides of the unit.  
Soil: Dark rich brown silty clay.  
Tumble,  $\approx 5\%$  sub-angular pebbles

474/035 Found: Ceramics, Obsidian, Chert, BS

474/036 0-40 cm BGS, NW corner unit 22 (22.3 N of 2.1)  
Picking up edge of VANIK patio.  
Topsoil: Dark rich brown silty clay, rather hard, roots  
Possible C.U., some tumble,  $\approx 2\%$  sub-angular pebbles

474/041 Found: Bone, Groundstone, Ceramics, Obsidian, Chert, BS  
Have picked up LOKI a bit further S in unit than  
expected, will go back to unit 20 to see if  
LOKI can be found further S.

474/042 50-80 cm BGS, NW corner unit 20.  
Removing soil and tumble in search of face of LOKI.  
Soil: Dark Rich Brown silty clay, some roots  
Tumble:  $\approx 10\%$  sub-angular pebbles

475/023 Found: Ceramics, Obsidian, Chert, BS.  
End of 475

475/042 Found: Ceramics, Obsidian, Chert, BS  
Exposed face of LOKI

15-April-2002, Patrick Dreesch

PD2-8-134

47I/043 0-20 cm BGS, NW corner unit 23 (23 is E of 21)  
Topsoil: Dark rich brown silty clay, loose, roots  
Tumble,  $\approx 5/6$  sub-angular pebbles

47P/006 Found: Ceramics, Obsidian, Ground stone

47P/007 20-30 cm BGS, NW corner unit 3  
Removing tumble  
Soil: Dark rich brown silty clay, clumps, roots  
Tumble,  $\approx 10/6$  sub-rounded pebbles

47H/036 ~~Found~~ Found: Ceramics, Obsidian, Chert, BS

47I/007 Straightening W edge of units 16 and 17.  
Checking to see if flat stones are floor or MIMR.  
0-30 cm BGS, NW corner of 16.  
Soil: Dark rich brown, silty clay, base, a few roots  
Tumble,  $\approx 2/6$  sub-angular pebbles

47Q/001 47Q runs from the S end of 47G to the S end of 47H along a wall, which meets at a corner with PREA. This sub-op is 4 units long, with the final unit being  $\approx 60$  cm long. This sub-op runs from  $82^\circ$  E to  $242^\circ$  W.

0-10 cm BGS, NW corner unit 1 (1 is next to 47G)  
Topsoil: Dark rich brown silty clay, hard clumps, roots  
Semi tumble,  $\approx 20/6$  sub-angular pebbles

47H/037 Found Ceramics, Obsidian, Chert, BS

47J/043 Found: Ceramics, Obsidian, Chert, BS, Bone

16 April - 2002, Patrick Dresch

P02-8-135

Started work at 7:25. It's quite warm today and will probably only get hotter. There are some quite dense clouds to the South, but I doubt they'll provide much shade.

Today is basically a half-day as there is a site tour of Las Canoas in the afternoon.

Feeling rather tired today. Stayed up about an hour later than usual and had considerable difficulty getting up this morning. ~~At~~

All my workers are working away.

47H/038 30-40 cm BGS, NW corner unit 16.  
Straightening edge of unit and looking for MIMIR a bit deeper.  
Soil: Dark brown silty clay, hard.  
Some tumble, ~15% sub angular pebbles.

47I/044 0-10 cm BGS, NW corner unit ~~24~~ 24. (24 is S of 23).  
Topsoil above LOKI.  
Topsoil: Dark rich brown silty clay, quite loose, small tree at E edge of unit.  
Tumble, ~10% sub-angular pebbles.  
Found piece of matafe

47P/007 Found: Ceramics, Obsidian, Chert, BS

47P/008 10-20 cm BGS, NW corner unit 2.  
Removing tumble.  
Soil: Dark rich brown, silty clay, hard, a few roots  
Tumble, ~15% sub-rounded pebbles

47J/044 Found: Ceramics, Obsidian, Chert, BS

16 April - 2002, Patrick Dresch

P02-8-136

47I/045

10-40cm BGS, NW corner unit 24.

Removing soil and tumble from face of LOKI.

Soil: Dark rich brown silty clay, fairly loose, roots, tumble,  $\approx 20\%$  sub-angular pebbles.

47Q/001

Found: Ceramics, Obsidian, Chert, BS

47Q/002

10-20cm BGS, NW corner unit 2

Soil: Dark rich brown silty clay, hard, roots  
Tumble,  $\approx 40\%$  angular pebbles

47H/038

Found: Bone, Ceramics, Obsidian, Chert, BS

47H/039

0-10cm BGS, NW corner unit 23 (23 is V of 17)

Checking to see if wall comes in from W to meet HOKI.

Soil: Dark rich brown silty clay, hard, roots  
Tumble,  $\approx 15\%$  sub-angular pebbles

47P/008

Found a large Obsidian point that is either a crude biface, or a blade that has had its edge resharpened.

Found: Ceramics, Obsidian, Chert, BS, Carbon

47P/004

0-10cm BGS, NW corner unit 4 (4 is E of 3)

Topsoil: Dark rich brown silty clay, loose, roots, small tree at E edge of unit

Tumble,  $\approx 5\%$  sub-angular pebbles

47I/045

Found: Ceramics, Obsidian, Chert, BS

47I/046

0-10cm BGS NW corner unit 25. (25 is E of 23)

Topsoil: Dark rich brown silty clay, loose, roots

4-16-April-2002, Patrick Dresch

702-8-137

47I/046 Tumble, ~15% sub-angular pebbles

47Q/002 Found a large clay bead.  
Found: Ceramics, Obsidian, Chert, BS

47Q/003 0-10 cm BGS, NW corner unit 2 (2 is V of 2)  
Exposing wall.  
Topsoil: Dark rich brown silty clay, hard, roots  
Tumble, ~15% angular pebbles

47H/039 Found: 1 small piece of Obsidian

47H/040 10-30 cm BGS, NW corner unit 23.  
Soil: Dark rich brown silty clay, clumpy.  
Tumble, ~15% sub-angular pebbles.

47I/046 No finds

47I/047 10-20 cm BGS, NW corner unit 25.  
Soil: Dark rich brown silty clay, fairly loose, some roots  
Tumble, ~20% sub-angular pebbles.  
Found a bifacial Obsidian blade.  
Found: Ceramics, Obsidian, Chert, BS

47I/048 0-10 cm BGS, NW corner unit 26 (26 is S of 25)  
Topsoil above LOKI  
Topsoil: Dark rich brown, silty clay, loose, roots, small tree  
Turn a wedge of unit.  
Tumble, ~15% sub-angular pebbles

47Q/003 Found: Ceramics, Obsidian, Chert, BS

16-April-2002, Patrick Dwyer

702-8-732

47H/040 Found: Ceramics, Obsidian, Chert, BS

47H/041 Found: Ceramics, Obsidian, Chert, BS

47H/048 Found: Ground stone, Ceramics, Obsidian, Chert, BS

17-April-2002, Patrick Drasch

702-8-139

Started work 7:25. Clear Sky is grey, it's cool but quite humid.

Abel is away today. Willmar says he is sick from bad water. At least I think that's what he said. So far do not have anyone to replace him.

Still feeling tired, will try and catch up on sleep tonight. Looking forward to weekend.

47H/041

0-10cm BGS, NW corner of unit 24. (24 is E of 16)  
taking off topsoil above FREA.

Topsoil: Dark rich brown silty clay, fairly loose, roots.  
Tumble, ~10% sub-angular pebbles.

47H/049

10-50cm BGS, NW corner unit 26.

Removing soil and tumble from face of LOKI.

Soil: Dark rich brown silty clay, clumps, roots, hard.  
Tumble, ~5% angular pebbles

47H/010

10-20cm BGS, NW corner unit 4.

Removing tumble

Soil: Grey brown hard clay and silty-clay, hard, a few roots  
Tumble ~10% angular pebbles, 20% sub-angular  
finding some carbon.

47Q/004

10-20cm BGS, NW corner unit 2.

Soil: Dark rich brown silty clay, hard.

Tumble, ~5% sub-angular pebbles

Construction unit

47I/049

Ceramics, Obsidian



17-April-2002, Patrick Dresch

P'02-8-140

- 47I/050 0-10 cm BGS, NW corner unit 27 (27 is E of 25)  
Topsoil: Dark rich brown, silty clay, quite loose, roots  
Tumble,  $\approx 5\%$  sub-angular pebbles
- 47Q/004 Found a piece of red & yellow chert with very large ripples.
- 47R/010 Found: Carbon, Ceramics, Obsidian, BS
- 47R/011 0-10 cm BGS, NW corner unit 0 (0 is E of 4)  
Topsoil: Dark rich brown silty clay, small tree a W edge  
of unit.  
Tumble,  $\approx 10\%$  sub-angular pebbles
- 47Q/004 Found: Ceramics, Obsidian, Chert, BS (possible E.U. extending to 5)
- 47Q/005 0-20 cm BGS, NW corner unit 3 (3 is W of 2)  
Topsoil: Dark rich brown silty clay, fairly loose, roots  
C.U., Tumble,  $\approx 10\%$  sub-angular pebbles
- 47I/050 Nothing
- 47I/051 10-20 cm BGS, NW corner unit 27.  
Soil: Dark rich brown silty clay, clumps, roots,  
Tumble,  $\approx 40\%$  sub-angular pebbles, poorly sorted.
- 47H/041 Found: Ceramics, Obsidian, Chert, BS (exposed OPEN)
- 47H/042 10-20 cm BGS, NW corner unit 24.  
Remaining Tumble and soil to find top and base of FREA.  
Soil: Dark rich brown silty-clay, loose, some roots.  
Tumble,  $\approx 15\%$  sub-angular pebbles

17 April 2002, Patrick Dreesch

P02-8-140B

47I/051 Found: Bone, Ceramics, Obsidian, Chert, BS

47I/052 0-10cm BGS, NW corner unit 28 (28 is S of 27)  
Topsoil: Dark rich brown silty clay, loose, roots  
Tumble, a 5% sub-angular pebbles

47H/042 Found: Ceramics, Obsidian, Chert, BS

47H/043 20-50cm BGS, NW corner unit 24  
Removing ~~soil~~ soil and tumble from face of FREA  
Soil: Dark rich brown silty clay, loose, some roots  
Tumble,  $\approx$  15% sub-angular pebbles.

47Q/005 Found: Ceramics, Obsidian, Chert, BS

47Q/006 10-20cm BGS, NW corner unit 3.  
Soil: Dark rich brown silty clay, hard, a few roots  
Multiple C.U.s: CU. I started following with 47Q (VALKYRIE)  
C.U. running parallel (that may be wall or bench)  
along S side of unit  
with floor at level of base of wall running N  
NS from VALKYRIE, VALHALLA.  
Tumble,  $\approx$  40% sub-angular pebbles.

47I/052 Nothing

47J/053 10-30cm BGS, NW corner unit 28  
May have reached end of LOKI. Removing tumble, will probably  
continue trench 1m more so there is more room to follow corner, and  
in case it is inset.  
Soil: Dark rich brown silty clay, reasonably loose, roots.

17-April-2002, Patrick Dreesch

P02-8-141

- 47J/053 Tumble,  $\approx 20\%$  rounded pebbles,  $20\%$  angular,  $10\%$  sub-angular.
- 47P/011 Found: Ceramics, Obsidian, BS, Ground stone.
- 47P/012 0-10 cm BGS, NW corner unit 6 (6 is bank between 47J and 47P).  
Topsoil: Dark rich brown silty clay, loose, roots  
Tumble,  $\approx 20\%$  sub-angular pebbles
- 47L/053 Found: Ceramics, Obsidian, Chert, BS
- 47I/051 0-20 cm BGS, NW corner unit 29 (29 is E of 27)  
Topsoil: Dark rich brown silty clay, roots, loose  
Some Tumble,  $\approx 10\%$  sub-angular pebbles
- 47H/043 Found: Ceramics, Obsidian, Chert, BS
- 47H/044 0-10 cm BGS, NW corner unit 25 (25 is N of 24)  
Uncovering tops of ODEN and FREA.  
Topsoil: Dark rich brown silty clay, loose, roots  
Tumble,  $\approx 15\%$  angular pebbles
- 47P/012 Found: Ceramics, Obsidian, Chert
- 47Q/006 Found: Ceramics, Obsidian, Chert, BS
- 47P/013 0-10 cm BGS, NW corner unit 7 (7 is S of 6)  
Topsoil: unit 7: Dark rich brown silty clay, loose, roots  
Tumble,  $\approx 10\%$  sub-angular pebbles

17-April-2002, Patrick Driesch

P'02-8-142

47Q/007 0-20 cm BGS, NW corner unit 4 (4 is W of 3 and E of 47H)  
Soil: Dark rich brown silty clay, loose, roots.  
C.U., tumble,  $\approx 15\%$  sub-angular pebbles.

47I/054 Found: Ceramics, Obsidian, Chert

47I/055 0-20 cm BGS, NW corner unit 30 (30 is E of 28)  
Taking out tumble near corner of LOKI.  
Soil: Dark rich brown silty clay, loose, roots, stump in middle of unit.  
Tumble,  $\approx 25\%$  sub-angular pebbles.

Have 2 of Anya's workers. Starting sub-op 47R which heads S from unit 2 of 47Q along VALHALLA

47R/001 0-10 cm BGS, NW corner unit 1 (1 is at N end of 47R next to 47Q)  
Have just noticed that VALHALLA seems to line up with BIFROST, may be same C.U.  
Top Soil: Dark rich brown silty clay, very loose, a few roots  
VALHALLA, 1 piece tumble,  $\approx 2\%$  small angular pebbles

[Brown splodges on this page are probably beetle shit. Since Anya went home early, Lauren thought we should do something fun. Since she forgot her kite, I ended up capturing 10 beetles and putting them on leashes. The workers seemed to enjoy this immensely.]

17-April-2002, Patrick Dresch

P02-8-113

47Q/007 Found: Ceramics, Obsidian, Chert, BS

47P/013 Found: Ceramics, Obsidian, Chert, BS

47H/041 Found: Ceramics, Obsidian, Chert, BS

47B/001 Found: Ceramics, Obsidian, Chert, BS

47I/005 Found: Ceramics, Obsidian, Chert.

18-April-2002, Patrick Dresch

P02-8-144

Started work 7:25. The sky is clearer today but there is a fair amount of cloud to the south. Feels rather humid. Hopefully the humidity won't last long, but the sun will probably get pretty strong.

Abel is back at work today. He was off fixing the water for Petoa, as I found out when I asked Willmar for the 2nd time yesterday. Willmar finished the last 4 units of 47I by himself yesterday. Now they've started 47T, which heads S from 47I and should expose the corner of LOKI.

Still feeling very tired. Got an earlier night last night, but was woken several times by a dog barking. I now feel like everything I do is in slow-motion. I really want to sleep.

We have a site tour this afternoon. I am determined to do a better job than the people at Las Canoas. Hopefully this shouldn't be too hard, however I will be near the end of the tour, by which point the novelty probably will have worn off. Definitely should have hired lasers and a smoke machine for my presentation. Almost everyone is getting rather tired of hearing about Las Canoas. Hopefully the fact that we don't talk about our site as much will make people more interested.

47H/045 0-10 cm BGS, NW corner unit 26 (26 is N of 25)  
Topsoil, clearing ODEN and top of FREA.  
Soil: Dark rich brown silty clay, loose, a few roots  
Tumble, ~ 15% small sub-angular pebbles

47P/014 10-60 cm BGS, NW corner unit 8 (8 is W of 7)  
Removing tumble from face of LOKI  
Soil: Dark rich brown silty clay, hard, roots  
Tumble, ~ 10% sub-angular pebbles  
Found a vertebra, probably a smaller than human mammal.

18-April-2002, Patrick Dresch

P02-8-145

- 47R/002 10-20 cm BGS, NW corner unit 1.  
Clearing around VALHALLA.  
Soil: Dark rich brown silty clay, loose, roots.  
1 or 2 tumble stones,  $\approx 5\%$  angular pebbles.
- 47T/001 47T heads S from 47I. It is 2m wide by 8m long, it may become 3m wide. It heads from  $318^\circ$  to  $118^\circ$ .  
Looking for corner with LOKI in order to find basal line.  
Topsoil: Dark rich brown silty clay, very loose, roots.  
lots of tumble,  $\approx 2\%$  angular pebbles. 0-20 cm BGS, NW corner unit 1.
- 47R/002 Found: Ceramics, Obsidian, Chert, BS
- 47R/003 0-20 cm BGS, NW corner unit 2, (2 is S of 1)  
Clearing topsoil from around VALHALLA.  
Topsoil: Dark rich brown, silty clay, loose, a few roots  
 $\approx 2\%$  angular pebbles.
- 47H/005 Found: Ceramics, Obsidian, Chert, BS
- 47H/006 10-40 cm BGS, NW corner unit 26  
Removing tumble, hoping to find face of FREA.  
Soil: Dark rich brown, silty clay, hard, roots  
Tumble,  $\approx 5\%$  angular pebbles.
- 47R/003 Found: Ceramics, Obsidian, Chert
- 47R/004 0-10 cm BGS, NW corner unit 3 (3 is S of 2)  
Looking for corner of VALHALLA.  
Topsoil: Dark rich brown, silty clay, loose, roots  
Tumble,  $\approx 10\%$  sub-angular pebbles.

18-April-2002, Patrick Dresch

T02-B-146

47H/046 Found: Ceramics, BS

47H/047 0-10 cm BGS, NW corner unit 27. (27 is N of 26)  
Topsoil from atop of ODEN and FREA  
Topsoil: Dark rich brown silty clay, loose, roots  
Some tumble, & 15% sub-angular pebbles

47R/044 Found: Ceramics, Obsidian, Chert, BS

47R/045 0-~~2~~<sup>1</sup> cm BGS, NW corner unit 4. (4 is E of 1)  
looking for edge of floor area under VALHALLA.  
Topsoil: ~~dark~~ rich brown silty clay, loose, roots  
Some tumble, & 10% sub-angular pebbles.

47H/047 Found: Ceramics

47H/048 30-40 cm BGS, NW corner unit 27 (27 is N of 26)  
Looking for corner between LOKI and FREA.  
Removing tumble from corner  
Soil: Dark rich brown silty clay, loose, roots  
Tumble, & 10% sub-angular pebbles

47P/044 Found: Bone, Carbon, Shells, Ceramics, Obsidian, Chert, BS

47P/042 Found: Groundstones, Ceramics, Obsidian, Chert, BS

47P/048 Found: Ceramics, Obsidian, Chert, BS

47R/045 Found: Ceramics, Obsidian, Chert, BS



19-April-2002, Patrick Dresch

P02-8-147

Started work at 7:20. Yet again the sky is blue, but there are clouds clustering to the south. Hopefully this means we'll get a bit more shade this afternoon, and a breeze. It got pretty windy yesterday afternoon during the site tour. By the time the tour reached my structure, everyone had pretty much lost interest, so I tried to keep my description short but energetic. We also had a short spell of light rain.

My dad is returning to England this morning. I think he had a fun time, he has a better understanding of what I'm doing here. He left \$50 for Ed to buy beer with.

All my workers are working away. I'm rather worried that I'm not going to be able to finish this excavation in the next couple of weeks.

47H/0489 10-20 cm BGS, NW corner unit 28 (28 is N of 27)  
Removing tumble to have more room to follow corner of LOKI and FREA.

Topsoil: Dark rich brown silty clay, loose, roots,  
Tumble,  $\approx 20\%$  sub-angular pebbles

47P/015 0-40 cm BGS, NW corner unit 9 (9 is W of 8)  
Removing tumble and topsoil to level of top of LOKI.  
Soil: Dark rich brown silty clay, loose, roots  
Tumble,  $\approx 5\%$  sub-angular pebbles

47R/006 10-20 cm BGS, NW corner unit 4.  
Levelling off to base of 47Q.  
Soil: Dark rich brown silty clay, hard.  
Minimal tumble,  $\approx 10\%$ -15% sub-angular pebbles.

19-April-2002, Patrick Dresch

T'02-8-148

47T/002 ~~Re~~ 0-20 cm BGS, NW corner unit 2 (2 is W of 1)  
Removing topsoil from unit 2.  
Topsoil: Dark rich brown, silty clay, v. loose, roots.  
Tumble,  $\approx 2\%$  angular pebbles

47R/006 Found a nice piece of either bichrome or red on natural  
 $\approx 12$  cm across and 10 cm high  
Found: Ceramics, Obsidian, Chert, BS

47R/004 0-20 cm BGS, NW corner unit 5. (Sis of 4)  
Exposing cobbled floor area  
Topsoil: Dark rich brown silty clay, loose, a few roots  
Minimal tumble,  $\approx 10\%$  angular pebbles

47T/002 Found: Ceramics, Obsidian, Chert, BS

47T/003 20-30 cm BGS, NW corner unit 2  
Removing tumble, looking for corner of LOKI.  
Soil: Dark rich brown silty clay, v. loose, largeish slump,  
many roots.  
Tumble,  $\approx 5\%$  sub-angular pebbles.

47R/005 Found: Ceramics, Obsidian, Chert

47R/006 40-90 cm BGS, NW corner unit 9  
Removing tumble from face of LOKI.  
Soil: Dark rich brown silty clay, hard, some roots  
Tumble,  $\approx 10\%$  sub-angular pebbles

47R/007 Found: Ceramics, Obsidian, BS  
Some circles of rock, possibly base for post. (also in unit 4)

19-April-2002, Patrick Driesch

P02-8-144

47R/003 0-20 cm BGS, NW corner unit 6 (6 is W of 1)  
Clearing W side of VALHALLA.  
Topsoil: Dark rich brown silty clay, a few roots, fairly loose  
~ 2% sub-angular pebbles

~~47H/049~~ Found: <sup>Bone</sup> Ceramics, Obsidian, Chert, BS (Found possible corner.)

47H/050 20-40 cm BGS, NW corner unit 27 &  
Removing tumble, looking for corner of FREA, may  
have found corner of ODEN in unit 28.  
Soil: Dark rich brown, silty clay, mud, some roots  
Tumble, ~ 30% sub-rounded stones

47R/008 Found: Ceramics, Obsidian, Chert, BS

47R/004 0-20 cm BGS, NW corner unit 7 (7 is S of 6 and U  
of 2).

Clearing area to W of Valhalla.

Topsoil: Dark rich brown silty clay, fairly base, some roots  
Fills some little tumble, maybe fill, ~ 10% sub-angular pebbles

[Have 2 of JoJo's workers for the afternoon. Have laid  
out sub-op 47U.]

47U/001 47U follows BOR. It heads off to the West from  
47B. The units are 1.5m wide to make excavating  
BOR easier on this slope

0-10 cm BGS; NW corner unit 1 (Unit 1 is closest to  
47B).

Soil: Dark rich brown silty clay, loose, roots  
Tumble, ~ 10% sub-angular pebbles

19-April-2002, Patrick Dieck

702-8-150

Ground slo re

47P/016 Found: Bone, Carbon, Shells, Ceramics, Obsidian, Chert, BS

47P/017 0-30cm BGS, NW corner unit 70 (10 is W of 9)  
Topsoil: Dark mch brown silty clay, 100SC, plant roots  
Tumble,  $\approx 15\%$  sub-angular pebbles.

47T/003 Found: Bone, Shells, Carbon Ceramics, Obsidian, Chert, BS

47P/017 Antonio and Raymundo have started clearing face of LOKI. Found some bone (possibly human skull) just below upper edge of LOKI at 40cm BGS. The fragments were resting on what looks like the flat surface of a stone that has been painted orange. I am saving the stone to see if it is paint or natural.  
Will finish this lot at 40cm BGS, clearing face of LOKI to this level.

47H/050 Found: Ceramics, Obsidian, Chert, BS.

47R/004 Found: Ceramics, Obsidian, BS

47P/057 Found: Bone, painted stone?, Ceramics, Obsidian, Chert, BS

47V/001 Found: Ceramics, Obsidian, Chert, BS

22-April-2002, Patrick Dresch

P02-8-151

Started work at 7:30. There are clouds above but scattered patches of blue. Definitely have a case of jungle tummy after eating the conch soup in Omac on Saturday. Charlie had the same dish, but I think he got a worse case than I, as he isn't going to Las Canoas today. My upper back has been hurting since ~~last~~ Saturday morning. I've tried stretching, and it doesn't hurt as much as it first did.

Adam is staying in today with a cold, possibly a fever. Liesel cut her foot at the beach on Saturday, ~~on~~ possibly on a sting ray spine. Since she's doing cultural I'm sure this will just give her added opportunity to catch up on her notes.

Lauren has finished excavating her structure here, and now just has to work on notes. Once she's finished, she'll go back to working on her other structure in a different complex. Well the season is almost over & so it will just be a couple of weeks with Anya and Alison.

47H/050 0-20cm BGS, NW corner of unit 29 (29 is E of 28)

Looking for LOKI.

Top Soil: Dark rich brown silty clay, loose, roots.

Tumble, ~ 15% sub-angular pebbles

47P/018 40-90cm BGS, NW corner unit 10.

Clearing soil and tumble to base of LOKI.

Soil: rich brown clay, hard

Tumble, ~ 15% sub-angular pebbles

22 April 2002, Patrick Drach

P02-8-1252

47R/010 0-20cm BGS, NW corner unit 8 (8 is S of 7)  
Exposing area W of VALHALLA, possibly more C.U.s.  
Topsoil: Dark rich brown silty clay, somewhat hard, some roots.  
~ 5% angular pebbles

47T/004 0-50cm BGS, NW corner unit 3 (3 is S of 1)  
Clearing soil and tumble, will expose floor running up to wall the meets LOKI.  
Soil: Dark rich brown, silty clay, ~~too~~ fairly loose, roots  
lots of tumble, ~ 20% sub-angular pebbles.  
Have pulled out a very large piece of BS. (~ 25cm long, 19cm wide)  
Found: Ground stone, Ceramics, Obsidian, Chert, BS

47T/005 50-80cm BGS, NW corner unit 3 &  
Soil: Dark rich brown silty clay, hard, roots  
Tumble, 20% sub-angular pebbles.

47R/010 Found: Ceramics, Obsidian, Chert, BS

47R/011 0-20cm BGS, NW corner unit 9 (9 is W of 6)  
Topsoil: Dark rich brown, silty clay, loose.  
~ 15% sub-angular pebbles

47R/018 Found: Bone, Carbon, Ceramics, Obsidian, Chert, BS, Shells

47R/014 0-80cm BGS, NW corner unit 11 (11 is W of 10)  
Topsoil above LOKI.  
Topsoil: Dark rich brown silty clay, loose, roots  
Tumble; ~ 15% sub-angular pebbles

22-April-2002, Patrick Dresch

P02-8.53

- 471/005 When checking up with everyone after break, Willcox told me that he and Abel had found a Maya. I was rather puzzled by this until he showed me a piece of Ocarena depicting a person's nose and mouth. (sherd:  $\approx 5\text{cm}$  tall  $\approx 3.5\text{cm}$  wide).
- 474/050 Found: Ceramics, Obsidian, Chert, BS
- 474/051 20-60cm BGS, NW corner unit 29.  
Looking for LOKI.  
Soil: Dark rich brown silty clay, hard, roots  
Tumble,  $\approx 15-20\%$  sub-angular pebbles
- 474/051 Found: Ceramics, Obsidian, Chert, BS
- 471/005 Found: Bone, Shells, Obsidian, Chert, BS, Ceramics (incl. figurine/Ocarena)
- 471/006 0-100cm BGS, NW corner unit 4 (4 is W of 3)  
Removing layer of looser soil above layer of harder clay.  
Exposing C.U. face.  
Soil: Dark rich brown silty clay, ~~dark rich brown, silty clay~~, loose, roots.  
Tumble:  $\approx 10\%$  sub-angular pebbles.
- 474/012 0-20cm BGS, NW corner unit 10 (10 is S of 9)  
Topsoil: Dark rich brown silty clay, fairly loose, roots  
 $\approx 10\%$  sub-angular pebbles  
black shiny stone (not obsidian) Ground stone
- 474/011 Found: Ceramics (possibly some Ocarena), bone, carbon, ~~ceramic~~ shell, Obsidian, chert, BS (Found some blocks of ash, layer on top of glass)

22-April-2002, Patrick Dreyh

PQ2-6-254

47H/051 Found: Ceramics, Obsidian, Chert, BS

47H/052 Found: Ceramics, Obsidian chert, BS, Ground  
stone

47H/053 Found: Ceramics, Obsidian, shells, chert, BS



23 April 2002, Patrick Drexh

Tue - 8:15

Started work 7:25. Weather is cool, overcast. Hoping it stays like this all day without ~~the~~ rain. Quite a few people aren't in the field today, so I have four more workers. 2 are clearing spoil near 47R and another 2 are continuing with 47U.

I remembered to get trash bags today, so I'm working on covering surfaces. I'm going to try and take some photos while we still have this overcast light.

Had a cup of tea at breakfast this morning, and I feel more awake than I have in a while. Still suffering slightly from jungle tummy, but I haven't had any problems controlling it.

47H/052 60-70 cm BGS, NW corner unit 29.  
Soil: Reddish brown clay, hard  
some tumble, ~5% sub-angular pebbles  
Looking for edge of LOKI, will probably have to go 1m further S, to pick up a more substantial wall

47R/020 80-85 cm BGS, NW corner unit 11.  
Cleaning up, trying to expose a bit more of ash layer. Layer of white pebbles in section similar to floor. Cleaning for photo  
Soil: Dark rich brown clay, hard  
Clay level has no inclusions, only layer of ash beneath  
Possibly some plaster in corner

47R/013 0-20 cm BGS, NW corner unit 11 (11 is S of 10)  
Topsoil: Dark rich brown silty clay, roots, loose  
Tumble, possible C.U., ~5% sub-angular pebbles

23-April-2002, Patrick Drach

P02-8-56

47T/007 100-120cm BGS, NW corner unit 4.

Clearing to plaster floor

Soil: Grey brown clay, very hard,  
Tumble,  $\approx 15\%$  sub-angular pebbles

47U/002 ~~460~~ 10-70cm BGS, NW corner unit 1

Exposing face of BOR.

Soil: Dark rich brown, silty clay, fairly loose,  
some roots.

Lots of tumble,  $\approx 20\%$  sub-rounded pebbles

47H/052 Found: Ceramics, Obsidian, Chert, BS, Burnt Bone

47H/053 0-20cm BGS, NW corner unit 30 (30 is  
E of 29)

Joining 47G to 47H.

Topsoil: Dark rich brown silty clay, hard clumps,  
some roots.

Tumble:  $\approx 10\%$  sub-angular pebbles.

47P/020 Took 2 photos of corner, labels will have to be put  
on pictures due to lack of photo band.

Found: Ceramics, Obsidian, BS, Shells

47P/021 0-20cm BGS, NW corner unit 12 (12 is N of 11)

Topsoil above LOKI.

Soil: Dark rich brown silty clay, hard clumps, roots,  
some tumble,  $\approx 15\%$  sub-angular pebbles

47R/013 Found: Ground stone, Ceramics, Obsidian, Chert, BS

23-April-2002, Patrick Dreesch

P02-8-57

Taking photos of circles of stones in 478 units 4 and 5. 1st best preserved one at border with 47Q unit 4, then a not so well preserved one in unit 5. Then both together. No photo board

47I/007 Found: Bone, Carbon, Shells, Ceramics, Obsidian, Chert, BS

47I/008 Ø-50cm BGS, NW corner unit 5 (5 is 6 of 3)  
Topsoil: Dark rich brown, silty clay, loose, roots  
Tumble,  $\approx 20\%$  sub-angular pebbles

47P/021 Found: Ceramics, Obsidian, BS

~~47P/022~~  
47U/002 Found: Ceramics, Obsidian, Chert, BS

47N/003 Found: Ceramics, Obsidian, Chert

47P/022 20-100cm BGS, NW corner unit 12.  
Looking for face of LOKI.  
Soil: Rich brown clay, hard, a few roots  
Tumble,  $\approx 20\%$  sub-angular pebbles.

47H/053B 20-70cm BGS, NW corner unit 12.  
Looking for face of LOKI  
Soil: Rich grey brown clay, hard, roots  
Tumble,  $\approx 15\%$  sub-angular pebbles

47U/003 Ø-10cm BGS, NW corner unit 2 (2 is 2 of 1)  
Topsoil: Dark rich brown, silty clay, loose, roots  
Tumble,  $\approx 5\%$  sub-angular pebbles

23-April-2002, Patrick Dresch

T02-8-158

- 47P/002 Found the lower jaw of a carnivore, probably dog  
(25 cm BGS)
- 47R/014 0-20 cm BGS, NW corner unit 12, (12 is 50 ft)  
Looking for Southern Wall  
Topsoil: Dark Rich Brown silty clay, loose,  
25% sub-angular pebbles
- 47R/015 0-20 cm TGS, NW corner unit 13 (13 is 50 ft)  
Looking for Southern Wall.  
Topsoil: Dark rich Brown silty clay, loose  
25% angular pebbles
- 47R/016 Found: Ceramics, Obsidian, <sup>shells</sup> ~~Chert~~ BS
- 47T/001 50-100 cm BGS, NW corner unit 5.  
Down to level of plaster floor.  
Soil: Dark rich brown clay, hard, a few roots  
Tumble, 30% sub-angular pebbles
- 47R/022 ~~Bones~~ Found: Bone, Ceramics, Shells, Obsidian, Chert, BS,  
Ash
- 47H/053 Found: Bone, Copper, Ceramics, Obsidian, Chert, BS
- 47R/013 Found: Shell, Ceramics, Obsidian, Chert, BS
- 47R/015 Found: Ceramics, Obsidian, Chert, BS
- 47R/014 Found: Ground stone, Ceramics, Obsidian, BS
- 47T/001 Found: Bone, Ceramics, Chert, Obsidian, Shells, BS

24-April-2002, Patrick Dresch

P02-8-159

Started Work 7:30. Ed stopped by and I showed him what has been done since he last came by. We decided that I ~~don't~~ don't have to continue uncovering all of the wall in 47T. I have therefore skipped 3.25 m and have set up a 2 by 2 square of 4 units hoping to find the SE corner of the structure. I will continue calling this 47T as I am still focusing on the same C.U.

I think I've found the S wall perpendicular to VALHALLA in 47R. laid out a trench to follow this, 47V. 47V is 5m long and I'm hoping to pick up the corner with the ~~B~~ W west wall.

Today is pretty overcast, but there is some blue breaking through. At the moment it's pretty cool, and I hope it stays like this for the rest of the day.

47H/054

20-70 cm BBs, NW corner unit 12

Cleaning clay and tumble, looking for LOKI a bit further S in unit.

Soil: Brownish clay, hard  
some tumble, ~~10%~~ 10% sub-angular pebbles.

47P/020<sup>3</sup>

20-20cm BBs, NW corner unit 13 (13 is W of 12<sup>3</sup>, next to 47G)

Topsoil of final unit of 47P

Topsoil: Dark rich brown silty clay, hard clumps, roots.

tumble,  $\approx$  15% sub-angular pebbles

47R/016

20-30cm BBs, NW corner unit 12

Looking for base of C.U.

24-April-2002, Patrick Dresch

T02-8-60

47R/016 Soil: Reddish brown clay, dry hard,  
a 2% angular to sub-angular pebbles

47I/010 0-20 cm BGS NW corner unit 6 (6 is  
3.25 m S of 5)  
Topsoil: Dark rich brown silty clay, loose, roots  
tumble, a 2% sub-angular pebbles.

<sup>3</sup>  
47D/023 Found: Ceramics, Obsidian, BS

<sup>4</sup>  
47P/024 20-100 cm BGS NW corner unit 13.  
Looking for LOKI.

Soil: Dark brown clay, a few roots, hard  
Tumble a 5% angular pebbles, 20% sub-angular

47H/034 Found: Can Bone, Copper, Ceramics, Obsidian, Chert,  
BS

47H/055 50-60 cm BGS, NW corner unit 8.  
Looking for trace of base of FREA.  
Soil: Grey brown, silty clay, hard.  
Tumble, a 15% angular pebbles

47R/016 Found: Ceramics, Obsidian

47V/001 0-20 cm BGS, NW corner unit 1 (1 is W of unit 12  
of 47R)  
47V runs from 58° to 238°.  
Following S wall  
Topsoil: Dark rich brown silty clay, loose, lots of roots  
a 25% sub-angular pebbles.

24-April-2002, Patrick Desch

P02-8-161

47V/010 Found: Ground stone, ceramics, Obsidian, Chert, BS

47V/011 20-80 cm BS, NW corner unit 6.  
Bringing down to floor level  
Soil: Dark rich brown, silty clay, hard  
Tumble,  $\approx 15\%$  sub-angular pebbles

47V/001 Found: Copper, ceramics, Obsidian, Chert, BS

47V/002 0-20 cm BS, NW corner unit 2 (2 is W of 1)  
Topsoil around C.U.  
Topsoil: Dark rich brown silty clay, loose  
 $\approx 20\%$  sub-angular pebbles

[Ayaya isn't feeling well so I'm going to try  
and make room for her & workers. 6-7 on  
47U and 2 on 47T.]

47V/012 0-40 cm BS, NW corner unit 7. (7 is S of 6)  
Topsoil: Dark rich brown silty clay, loose, roots  
Tumble,  $\approx 10\%$  sub angular pebbles

47U/004 20-120 cm BS, NW corner unit 2.  
Clearing face of BOK  
Soil: Dark rich brown silty clay, loose, roots  
Tumble,  $\approx 20\%$  sub-angular pebbles

47U/005 0-20 cm BS, NW corner unit 3. (3 is W of 2)  
Topsoil, Dark rich brown silty clay, loose, roots.  
Tumble,  $\approx 10\%$  angular pebbles

24-April-2002, Patrick Dreesch

POZ-8-162

47U/000 0-20 cm BGS, NW corner unit <sup>4</sup>~~2~~ (<sup>4</sup>3 is W of <sup>3</sup>2)  
Topsoil, Dark rich brown silty clay, loose, roots  
Tumble, ~10% angular pebbles

47U/013 50-120 cm BGS, NW corner unit 5.  
Edges of unit 5, clearing up.  
Soil, grey brown clay, hard  
Tumble ~20% sub-angular pebbles

47U/055 Found a piece of bone with small rounded pebble  
resting on it



pebble looks like it may  
be quartz.

Found at ~40 cm BGS

47U/011 Found: Ceramics, Obsidian, Chert, BS

47U/014 0-60 cm BGS, NW corner unit 8 (8 is W of 6)  
Looking for C.U. that meets LOKI.  
Soil: Dark rich brown silty clay, loose, roots  
Tumble, ~25% angular pebbles

47U/012 Found: Ceramics, Obsidian, BS

47U/013 0-20 cm BGS, NW corner unit 3 (3 is W of 2)  
Following C.U.  
Topsoil: Dark rich brown silty clay, loose, a few roots  
Possible tumble, ~30% sub-angular pebbles  
2% angular.



24-April-2002, Patrick Dresch

P02-8-163

<sup>4</sup>  
477/02425 Found: Bone, Carbon, Shells, Ceramics, Obsidian, Chert, BS,  
Copper

474/055 Bone, Copper, Ceramics, BS, Obsidian, Chert,  
small ~~in~~ white round stone

470/006 Ceramics, Obsidian, Chert, BS

474/006 Ground Stone, Ceramics, Obsidian, Chert, BS

471/013 Ceramics, Obsidian, Chert, BS

~~471~~ 471/012 Ceramics, Obsidian, Chert, BS

474/004 Ceramics, Obsidian, Chert, BS

25 April 2002, Patrick Dresch

702-8164

Started work 7:25. 15 workers was definitely too many yesterday afternoon. Good thing it was only for two hours and I stayed an hour ~~to~~ or so longer to finish off bag tags and notes. Anya is sick again today, but I have learnt my lesson. Today I've taken two of her workers to continue on 47U.

Quite tired this morning, despite two cups of tea. Didn't get to sleep until past midnight. Then between 4 and 5 there ~~was~~ was a series of 6 loud bangs that were either gunshots, or more probably fireworks as flashes could be seen at both the student compound and the lab house.

The weather is fairly cool at the moment, but there are a fair few patches of blue sky to be seen. Probably ~55% cloud cover.

Supplies of bag tags and lot cards are running low. I may have to organize a raiding party later in the day in order to procure the much needed items. My workers are calm at the moment, I think I've managed to hide how close I am to falling behind with notes. I fear there may be an open revolt should anyone let slip how few bag tags there actually are. May God have mercy on our souls.

47H/056 50-80 cm BGS, NW corner unit 11.  
Cleaning and checking NW corner of LOKI.  
Soil: R Greyish brown, clay, hard,  
~ 2% sub-angular pebbles.

110  
47R/025 50-~~100~~ cm BGS, NW corner unit 13  
Tidying face of LOKI in units 12 and 13  
Soil: Rich brown silty clay, hard, minimal roots.

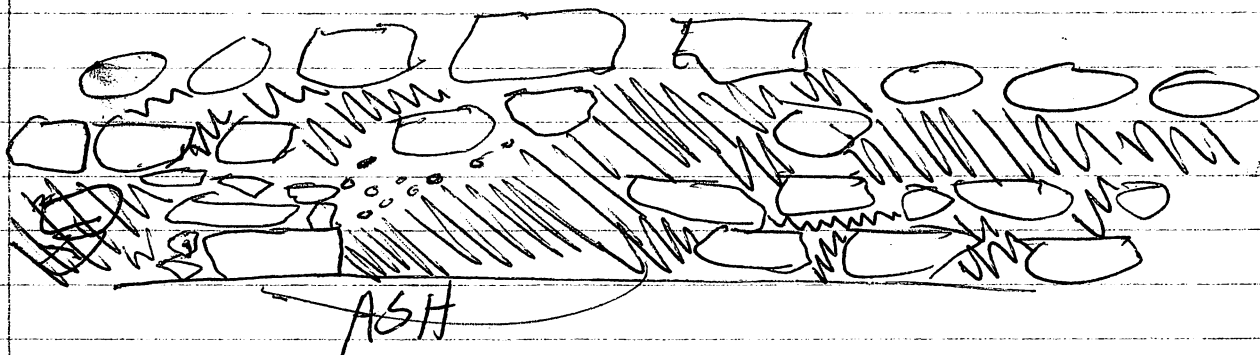
25-April-2002, Patrick Drusch

P02-8-165

47P/025 some tumble, ~ 15% sub-angular pebbles  
bone at ~ 100cm BGS (don't you just used last paper-  
bag, revolt imminent!). Going to 110cm BGS, looking for base of wall.

47U/007 120-140cm BGS, NW corner unit 2.  
Leveling off bottom to level of FRIGGS  
Soil: Greyish brown silty clay, slightly hard, a few roots.  
Some tumble, ~ 10% sub-rounded pebbles.

47P/025 There seems to be a break in LOKI between units  
11 and 12. Trying to clear this area to see  
what happens to LOKI. Is this where 85 and 86  
join? Stay tuned to find out (hopefully).  
There seems to be a line of stones above break.



Once cleaned up I think I'll take a photo

47V/003 Found: Ceramics, Obsidian, Chert, BS

47V/004 ~ 30cm BGS, NW corner unit 4 (4 is W of 3)  
Continuing to follow C.U.  
Soil: Dark rich brown silty clay, reasonably loose, roots  
Some tumble, ~ 10% angular pebbles

25-April-2002, Patrick Dresch

700-8-166

47U/007 Found some bone at 120cm BGS.

47P/025 Area of Ash seems to line up with area of only clay. Is this of ritual significance? Probably not, but I've been wanting to refer to something as ritually significant for a while.  
Took 2 photos, no photo board or arrow so used folding rule and chaining pin.  
Found: Bone, Shells, Obsidian, Chert, Ceramics, BS

47P/026 110-120 cm BGS NW corner unit 13.  
Looking for base of wall.  
Soil: Dark rich brown silty clay, hard  
≈ 2% sub-angular pebbles.

47H/056 Found: Ceramics, Obsidian, BS

47I/057 Returning to 47I to look for base of LOKI  
130-140 cm BGS, NW corner unit  
≈ 3m from W of corner of LOKI.  
Soil: ≈ Dark rich brown silty clay, loose  
looked for area of least well preserved floor  
≈ 80% fill, ≈ 10% sub-angular pebbles  
After first few centimetres floor is found to be in better condition than anticipated, but only for a width of about 10cm closest to LOKI.  
Will decide what to do after break.  
Have discussed with Alison, and I have decided to clean up the area, take a photo, then continue masakajo.

47I/014 Found: Ceramics, Obsidian, Chert, BS

25-April-2002, Patrick Drasch

P02-8-167

47T/015 60-130 cm BGS, NW corner unit 8.  
Looking for SE corner, face of CU.  
Soil: Grey brown, silty clay, hard, a few roots  
Tumble,  $\approx 5\%$  sub-angular pebbles.

47R/026 Found: Shells, Ceramics, Obsidian, Chert, BS

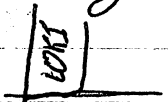
47H/057 0-30 cm BGS, NW corner unit 12 (12 is S of 11)  
Looking for CU. S of LOKI  
Soil: Dark rich brown silty clay, fairly loose, roots  
Tumble,  $\approx 20\%$  sub-angular pebbles

47J/057 Took photo, continuing down is least well preserved section

47V/024 Found: Ceramics, Obsidian, BS

47V/005 0-30 cm BGS, NW corner unit 5 (5 is W of 4)  
Continuing to Chase C.U.  
Topsoil: Dark rich brown silty clay, fairly loose, roots  
Tumble,  $\approx 15\%$  sub-angular pebbles.

47I/057 The plaster floor seems to go under LOKI instead of abutting it as I had previously presumed



Plaster  
Stone floor beneath plaster

No finds, taking another photo

47H/058 0-20 cm BGS, NW corner 13 (13 is W of 12)  
Looking for corners of FENRIS and BIFROST

25-April-2002, Patrick Driesch

P02-8-168

47N/05 Found: Ground stone, Ceramics, Obsidian

47H/057 Found: Ceramics, Obsidian, Chert, BS

47H/058 Topsoil: Dark rich brown silty clay, reasonably loose,  
rocks,  
tumble,  $\approx 5\%$  angular,  $15\%$  sub-angular

47W/057 Found: Bone, Shells, Ceramics, Obsidian, BS

47T/05 Found: Ceramics, Obsidian, Chert, BS, Shells

26 April - 2002, Patrick Dresch

P'02-8-169

Started work 7:25. Spent some time last night repairing my trousers. Some of my stitches are surprisingly neat, and others less so.

I visited Willmar at his house before dinner ~~last~~ yesterday. He showed me photos he has from last season. I told him I'd take more pictures around site for his album.

It's fairly cool at the moment. There's about 50% cloud cover, but the sun is shining pretty brightly on ~~the~~ the site.

Things are starting to feel rather climactic. I think that I would like to stay over the summer instead of going home. Unfortunately there are some things I have to do back in Britain, including getting a job.

47H/059 30-80cm BGS, NW corner unit 12.

Removing tumble, looking for corner of ASGARÐ.

Soil: Rich brown, silty clay (lots of clay), hard, roots  
Tumble, ~10% angular pebbles ~2% sub-rounded, ~10% sub-angular

47T/015 0-60cm BGS, NW corner unit 8, 9 (9 is V of 8)

Continuing W in search of C.U.

Soil: Dark rich brown silty clay, fairly loose, roots  
Tumble, ~20% sub-angular pebbles

47U/008 20-110cm BGS, NW corner unit 3.

Clearing tumble from face of BOR.

Soil: Rich grey brown clay, hard.

Tumble, ~25% sub-angular pebbles

26-April-2002, Patrick Driesch

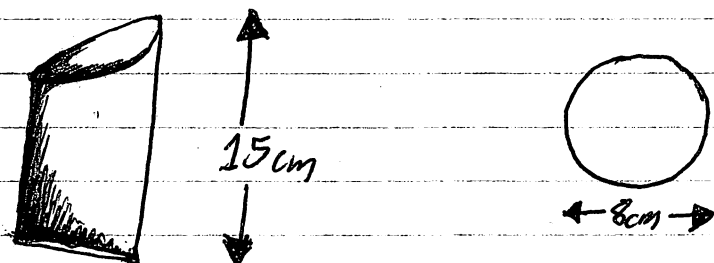
702-8-170.

47V/006 0-30cm B6S, NW corner unit 6 (6 is N of 4)

Looking for corner.

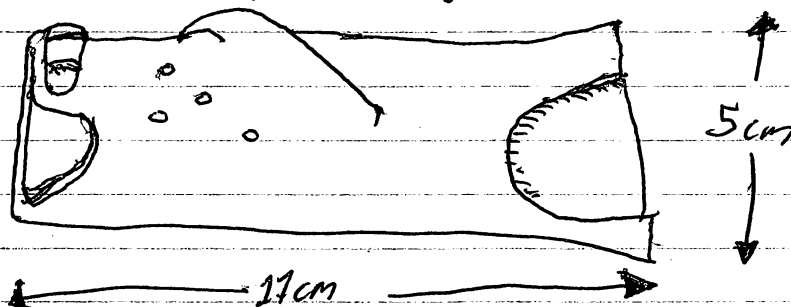
Topsoil: Dark rich brown silty clay, fairly loose, roots  
Tumble, ~15% sub-angular pebbles.

47H/015 Found a cylindrical piece of shaped stone



No sign of particularly flat areas as might be expected of a mataté.

47H/058 Found a piece of decorated handle



Looks like it's hollow, currently filled with soil.

47V/006 Found: Ceramics, Obsidian, BS

47V/007 0-30cm B6S, NW corner unit 7 (7 is W of 6)

Looking for C.U.

Topsoil: Dark rich brown silty clay, loose fill, roots  
~15% ~5% small angular pebbles



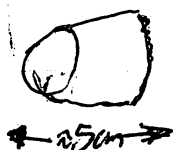
26-April-2002, Patrick Dresch

P'02-8-171

47I/015 Found: Shaped stone, Ceramics, Obsidian, Chert, BS, Shells

47I/016 60-150 cm BGS, NW corner unit 9.  
Taking out layer of greyish clay, looking for CU.  
Soil: Dark greyish clay, hard, some roots  
Tumble  $\approx 25\%$  sub-angular pebbles

47I/059 Found a piece of what is probably ground stone axe head, hafted end.



47V/007 Found: Ceramics, BS

47V/008 0-20 cm BGS, NW corner unit 8 (8 is V of 3)  
looking for corner  
Soil: Dark rich brown silty clay, hard, clumps but loose, roots  
Fill? Tumble,  $\approx 10\%$  sub-angular pebbles

47I/059 Found: Ground stone, ceramics, Obsidian, Chert, BS

47I/060 0-20 cm BGS, NW corner unit 14 (14 is S of 73)  
Clearing  $\approx$  FEMURS.  
Topsoil: Dark rich brown silty clay, loose, roots  
 $\approx 10\%$  sub angular pebbles.

47I/066 Found: Ceramics, Obsidian, BS

26-April 2002, Patrick Dreesch

702-8-17

47H/017 0-40cm BGS, NW corner unit 10 (10 is 5 of 8)

Exposing C.U.

Soil: Dark rich brown silty clay, loose, roots  
Tumble,  $\approx 20\%$  sub-angular pebbles.

47V/008 Found: Ceramics, Obsidian

47V/009 0-20cm BGS, NW corner unit 9 (9 is 1 of 8)  
Topsoil: Dark rich brown silty clay, loose, roots  
Fill,  $\approx 5\%$  angular pebbles

47U/008 Found: Bone, Shells, Ceramics, Obsidian, Chert, BS

47H/056 Found: Ceramics, Obsidian, Shells, Chert, BS

47H/060 Found: Ceramics, Obsidian, Chert, BS

47V/009 Ceramics, BS

29-April-2002, Patrick Dresch

27

P02-6-173

Started work at 7:30. There are quite thick clouds to the south, but the sky is pretty clear overhead at the moment. Went to see a traditional games fair in San Marcos on Sunday. The games weren't that impressive, but it reminded me of St. Giles fair in Oxford.

Aaron has returned from the United States. He seems to be doing a lot better, but he seems rather shocked by just how hot it is here compared to the U.S. It will take him a while to reacclimatize, but he doesn't have much time left to gather data.

Saw Rollerball on Saturday, highly motivational I must say. We all enjoyed it when the explanation for a character's disappearance was that: "he has contracted a severe case of malaria on an archaeological dig in the tropics."

Have about a week of excavation left. I think I'll manage to get everything I want to do done. Then it's just a case of writing up notes. This will take a lot of time, especially as I have left out description of C.U.s ~~from~~ my notes so far. This has been intentional because I want to try and understand as much as possible before drawing any conclusions. I hope I made the right choice, but there is definitely some doubt lurking at the back of my mind.

Starting a 2 unit trench on summit of structure under tree, looking for some sign of summit construction. The rest of the summit just seems to be fill & comprised of large stones. Just, need to check with Alison before giving this trench a number.

29-April-2002, Patrick Dresch

702-8-174

[I am writing these notes while sitting on a large comfortable stone in 47B. I have just taken a closer look at BOR, which I am sitting next to. ~~There are~~ The stones are 95% basalt and a few white limestone. Some of these ~~stones~~ basalt stones are quite white. I had thought that this was caused by decaying roots, but I have just noticed that one of the stones almost definitely has plaster on it. I can also see shells between the stones in the wall. I think I will take a picture]

47H/061

20-25 cm BGS, NW corner unit 14 cleaning around stones of FENRIS.

Soil: Dark rich brown silty clay, loose, roots & 10% angular pebbles some tumble

Found: Ceramics, Obsidian, chert, BS

47H/017

20-30 cm BGS, NW corner unit 3.

Removing tumble to try and see corner

Soil: Grey brown, silty clay, hard

tumble, & 10% sub-angular pebbles

47W/001

0-20 cm BGS, NW corner unit 1 (1 is to E of 47B)

Soil: Dark rich brown, silty clay, loose, roots fill, & 5% angular pebbles

47P/027

0-90 cm BGS, NW corner units 11 (Digging LOOKI in 11 and 12.

Soil: Dark rich brown, silty clay, fairly loose, some tumble, LOOKI, & 15% sub-angular pebbles

29-April-2002, Patrick Desch

P02-8-1745

47T/027

Area that has been exposed looks very interesting  
I think this is where 85 and 86 join  
together.



Will have  
to remove tumble  
above corner  
to try and find  
out what's  
happening.

corner

possible break between  
C.U.s

Found: Ceramics, Obsidian, Chert, BS, Shells

47T/028

20-50cm BGS, NW corner unit 11.

Clearing soil above corner

Soil: Dark rich brown silty clay, hard  
Tumble,  $\approx 5\%$  sub-angular pebbles

47T/017

Found: Bone, Ceramics, Obsidian, Chert, BS

47T/018

40-80cm BGS, NW corner unit 10

Soil: Brown clay, hard.

Tumble,  $\approx 20\%$  sub-angular pebbles

~~47T/017~~

Found: Ceramics, Obsidian, BS

47T/058

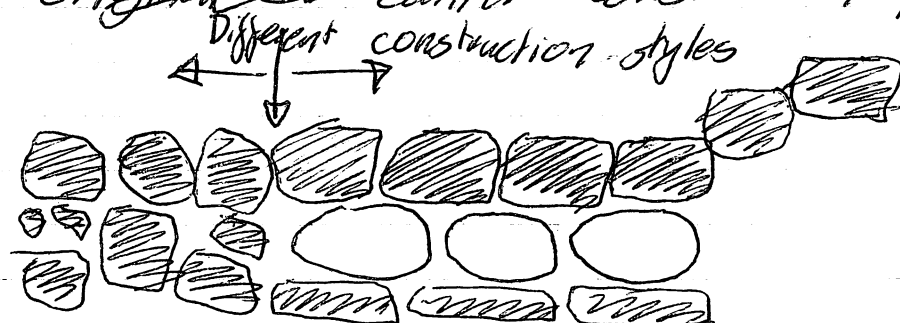
20-50-90cm BGS, NW corner unit 14

29-April-2002, Patrick Dresch

702-8-176

47I/058

Looking to see if change in LOKI indicate corner of original ~~site~~ earlier construction phase



Soil: Dark rich brown silty clay, fairly loose.  
Minimal tumble, ~ 5% sub-angular pebbles

47W/001

Found: Ceramics, Obsidian, Chert, BS, Lappe.

47W/002

0-20 cm BGS, NW corner unit 2 (2 is SE of 1)

Soil: Dark rich brown silty clay, loose, roots (tree)

Fill, tumble, ~ 15% sub-angular pebbles

47R/028

Found: Ceramics, Obsidian, Ground, stone

47U/004

20-110 cm BGS NW corner unit 4.

Removing tumble from SUE of BOER, looking for corner.

Soil: Dark rich brown silty clay, loose, roots  
Tumble, ~ 20% sub-angular pebbles

47W/002

Found: Ceramics, Obsidian, Chert, BS

47W/003

0-20 cm BGS, NW corner unit 3 (3 is N of 2)

Possible C.U., Soil: Dark rich brown silty clay, loose, roots

29-APRIL-2002, Patrick Dresch

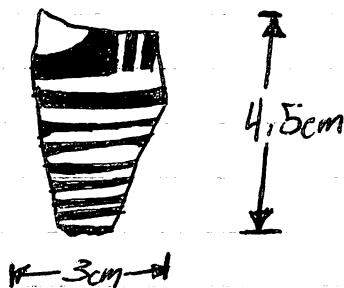
P'02-B-177

47W/003

Tumble, ~ 30% small angular pebbles

47T/018

Found a piece of black and red glazed ceramic.



47I/058

Found: Shells, Ceramics, Obsidian, Chert, BS

47I/059

50-90 cm Bldg, NW corner unit 18

Taking off soil above LOKI at another point where construction style seems to change.

Soil: Dark rich brown, silty clay, hard, roots

Tumble, ~ 10% sub-angular pebbles.

47W/003

Found: Ceramics, Obsidian, Chert, BS

47U/004

Found: Ceramics, Obsidian, Chert, BS

47T/018

Found: Shells, Ceramics, Obsidian, Chert, BS

30 April 2002, Patrick Driesch

2002-8-178

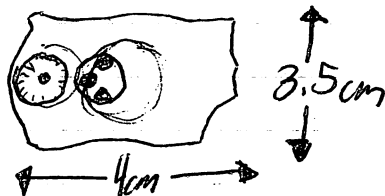
Started work 7:30. The sky is pretty grey today, feels somewhat humid. Today is only a half day, this afternoon we are going off to watch Kristen burn her bajareque houses. Only have a couple of days of excavation left, no workers on Friday due to labor day.

Had my hair cut last night. No water last night, so haven't had a chance to shower and rinse off the cut hairs. Hopefully the ~~then~~ itchiness will keep me alert, more likely it will just be annoying.

47I/019 10-100cm BGS, NW corner unit <sup>11</sup>12, (<sup>11</sup>12 is S of 11)  
Looking for SE corner of str. 85.  
Soil: Dark rich brown silty clay, fairly loose, roots  
Tumble,  $\approx 10\%$  angular pebbles,  $\approx 20\%$  sub-angular

47U/010 20-110cm BGS, NW corner unit 4.  
Cleaning up face of BOR, looking for corner of BOR.  
Soil: Dark rich brown, silty clay, reasonably loose, some roots.  
Tumble,  $\approx 25\%$  sub-angular pebbles

47W/004 10-20cm BGS, NW corner unit 4 (4 is N of 3)  
Following CU, looking for corner.  
Topsoil, Dark rich brown, silty clay, loose, roots  
 $\approx 15\%$  sub-angular,  $\approx 5\%$  angular pebbles.  
Found an odd sherd, probably rim.



Two rocks cover most of sherd

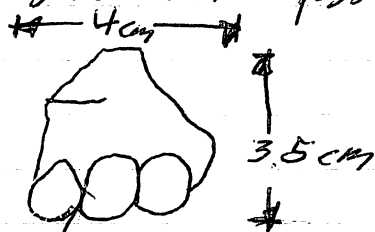


30-April-2002, Patrick DRESCH

P02-8-179

47I/059 Found: Shells, Ceramics, Obsidian, Chert, BS, Bone

47I/019 Found a shard with possible "toes" of an incense



some sort of red paint between toes.

47H/062 25-55 cm BGS, NW corner unit 13.

Digging down into soil fill of structure, looking at stratigraphy looking for more stone CUs.

Soil: Greyish brown, clay, hard  
looks like fill, similar to midden, ~ 15% sub-angular pebbles

47U/010 Found a pot smash @ 10 cm BGS. 60 cm N of S edge of unit 4, 60 cm E of W edge of unit 4. Several different pots including polychrome. Attempting to bag sherds from same vessels together.

Decided to give pot-smash own lot due to quantity

47U/010 Found: Ceramics, Obsidian, BS, shells

47U/011 Sherds seem to be spread throughout unit.  
Also finding a few pieces of obsidian and shell.

47I/019 Found: Ground stone, shell, ceramics, Obsidian, Chert, BS

47I/019 0-50 cm BGS, NW corner unit <sup>12</sup> ~~13~~ <sup>12</sup> ~~13~~ (is S of <sup>13</sup> ~~12~~)  
Still looking for corner, this will have to be last unit S

30-April-2002, Patrick Drasch

702-8-180

471/020 as slope becomes very steep and anything going down it will probably have fallen away.  
Soil: Dark rich brown silty clay, loose, roots  
Jumble, ~25% sub-angular pebbles

47W/004 Found: Ceramics, Obsidian, Chert, BS, possible shaped stone

47U/011 Found: Ceramics, Obsidian, Shells, Carbon

47A/002 Found: Ceramics, Obsidian, Chert, BS

47W/005 0-20 cm BGS, NW corner unit 5 (Sis No 4)  
Topsoil: Dark rich brown silty clay, loose, roots  
trade in all of sub-op there is unconsolidated fill  
below topsoil  
C.U., Fill, ~25% sub-angular pebbles

47U/011 110-120 cm BGS, NW corner unit 3.  
Greyish brown, clay, hard  
C.U., ~10% sub-angular pebbles

471/020 Found: Ceramics, Obsidian, BS

47U/012 Found: Shells, Ceramics, Obsidian, Chert, BS

47U/005 Found a piece of shaped stone in the first 5 cm of unit 4

47W/005 Found: Ceramics, Obsidian, BS

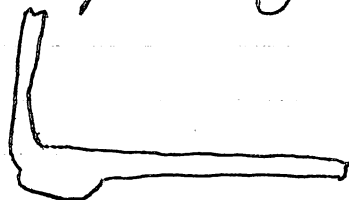
1-May-2002, Patrick Dresch

P02-8-181

Started work 7:25. The sky is blue and the crickets are chirping. Today will probably get quite hot.

I think I've almost finished what I set out to do. I'm still continuing to follow BOR to the West, and hoping to find some sort of corner or change in construction. I think I may have reached the South East corner of str. 85 in 47T. I'm going to try and tidy that up today and see what happens. On the summit, there are definitely C.U.s around the tree. I think I may have found a corner and am working on exposing this area. In 47H I'm working through the sherd and clay fill and following FENRIS down. I took out the soil above the sherd fill yesterday, so with all the fill is basically the same, we'll see how deep it goes.

Feeling a little tired today, not really sure why. Worked on washing the sherds from the pet-smash last night. Found that several pieces of the polychrome fit together forming a large piece of base for the pot:



Also found quite a lot of red on natural sherds. I plan on photographing these and the polychrome and showing them to Pat. I have also realized that I probably have to wash everything as many different sherds are mixed together.

47H/063 55-85cm BOR, NW corner unit 13.  
Soil: Greyish brown clay, hard, lots of sherds  
C.U., ~5% sub-angular pebbles

1-May-2002, Patrick Diech

700-8-182

47U/021

0-50 cm BGS, NW corner unit 13 (13 is W of 11)  
Soil: Dark rich brown silty clay, loose, roots  
Tumble, ~30% sub angular pebbles  
looking for SE corner

47U/013

0-20 cm BGS, NW corner unit 5 (5 is W of 4)  
topsoil: Dark rich brown silty clay, loose, roots.  
Tumble, ~10% sub-angular ~~sub~~ pebbles  
continuing to follow BOR.

47U/002

0-20 cm BGS, NW corner unit 6 (6 is E of 5)  
trying to follow corner and CU heading E.  
Topsoil: Dark rich brown silty clay, loose, roots  
C.U. Fill, tumble, ~15% sub-rounded pebbles

47U/013

Found: Ceramics, Obsidian, BS

47U/014

20-140 cm BGS, NW corner unit 5.  
Removing tumble, looking for face of BOR.  
Soil: Dark rich brown silty clay, loose, roots  
~75% tumble, ~5% sub angular pebbles.

47H/063

Found: Ceramics, Obsidian, BS, Shells

47H/064

85-110 cm BGS, NW corner unit 13.  
Will take out stones at 85 cm BGS, probably fill, and  
will continue down, not sure if base of FENRIS has  
been reached yet  
Soil: Reddish brown, silty clay, ~~thin~~ hard.  
Fill, ~2% sub-angular pebbles

1-May-2002, Patrick Dresch

702-8-183

47W/006 Found: Bone, Ground stone, ceramics, Obsidian, ~~BS~~ BS

47W/007 0-20cm BS, NW corner unit 4 (47 is E of 6)  
Topsoil: Dark rich brown silty clay, loose, roots  
C.U., Tumble, fill, & 10% sub-angular pebbles.

47I/021 Found: Shells, Ceramics, Obsidian, Chert, BS

47I/022 100-110cm BS, NW corner unit 6.  
Soil: Grey brown clay, hard.  
Tumble, C.U., & 15% sub-angular pebbles.

47U/015 Finding a lot of sherds at same level of pot-frag  
in unit 4. Including some nice polychrome.  
Giving these sherds their own lot at 110-120cm  
BS, NW corner unit 5.  
Soil: Dark rich brown silty clay. fairly loose, a few  
roots  
possible fill, right up against BCR.

47U/014 Found: Ceramics, Obsidian, BS

47I/064 Pulling out a lot of BS, Found: Ceramics, Obsidian, Chert, BS, Shells

47W/015 Found: Ceramics, Obsidian, Shells, BS

47W/007 Found: Ceramics, Obsidian, BS

47I/022 Found: Ceramics, Obsidian, Chert, BS

Mon 2-May-2002, Patrick Dresch

P02-8-184

Started work at 7:25. The sky is blue, but there is a definite dirty haze over the mountains. Reasonably cool at the moment, but will probably get pretty hot.

Discussed what still needs to be done with Pat and Ed this morning. This involves

1. Finishing cleaning steps in 477 unit 6.
2. Take out tumble in 47T to clean up SE corner
3. Take out baulk between 47U and 47G to see if there is a corner to BOR.
4. Continue to follow badly preserved summit architecture
5. Continue down through soil fill to expose base of FEVRIS.
6. Draw section of unit exposing FEVRIS to show FEVRIS on right and soil stratigraphy against it. (will probably do this tomorrow)
7. Draw map of structure to show so that points can be shot. This needs to be done for tomorrow.

In other news, I received two bug bites this morning. One of these was on my wrist, and it has swollen up and now most of my wrist is red. I can now watch my pulse on this wrist, but am unable to on the other.

47H/065

110-120 cm BGS, NW corner unit 13.

Looking for base of FEVRIS.

Soil, rich brown silty clay, fine but hard.

Minimal ~~tumble~~ tumble/fill,  $\approx 1\%$  sub-angular rebbles

2-May-2002, Patrick Driesch

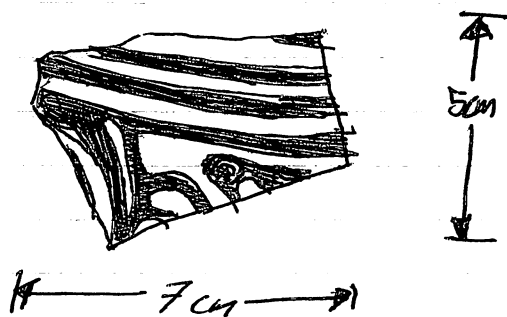
P02-8-185

47T/022 110-120 cm BGS, NW corner unit 6.  
Looking for base of C.U.  
Soil: Grey brown clay, hard  
≈ 5% sub-angular pebbles

47U/0416 0-80 cm BGS, NW corner unit 6 (unit 6 is W of 5, 50 cm  
bank between 47U and 47E ~~0416~~ 475)  
Soil: Dark rich brown silty clay, loose, roots.  
Tumble, ≈ 20% sub-angular pebbles

47W/008 0-20 cm BGS, NW corner unit 8 (8 is E of 7)  
Soil: Dark rich brown, silty clay, loose, roots  
C.U., fill, tumble, ≈ 10% sub-angular pebbles.

47T/022 Found a small piece of very intense blue mineral.  
lots of shreds, includ. red on natural



47W/008 Found: Ceramics, Obsidian, Chert, BS

47W/009 0-20 cm BGS, NW corner unit 9 (9 is E of 8)  
Topsoil: Dark rich brown silty clay, very loose, roots  
Tumble, fill, C.U., ≈ 15% sub-angular pebbles

47U/016 Found: Ceramics, Obsidian, Chert, BS, shells

2-May-2002, Patrick Dreesch

P02-8-186

47U/057 80-100 cm BGS, NW corner unit 6.  
Soil: Grey brown clay, hard  
Tumble,  $\approx 15\%$  sub-angular pebbles

47H/065 Found: Ceramics, Obsidian, Chert, BS, Shells

47H/066 120-130 cm BGS, NW corner unit 13.  
Soil: Rich brown, silty clay, hard  
stones at bottom of unit, possibly fill  
 $\approx 2\%$  sub-angular pebbles

47I/022 Found: Ceramics, Obsidian, Chert, BS, Shells, Copper

47I/023 120-130 cm BGS, NW corner unit 6  
Soil: Grey brown clay, hard  
possible tumble,  $\approx 10\%$  sub-angular pebbles

47W/004 Found: Ceramics, Obsidian, Chert, BS

47W/040 0-20 cm BGS, NW corner unit 10 (10 is S of 9)  
Topsoil: Dark rich brown silty clay, loose, roots  
Looking for corner  
possible CU, tumble, fill,  $\approx 15\%$  sub-angular pebbles

47U/017 Found: Ground stone, Ceramics, Obsidian, Chert, BS, Shells

47S/022 Cleaned base of BOR in unit 8.  
Found: Ceramics



2-May-2002, Patrick Dreech

702-8-187

47T/024 0-50 cm BGS NW corner unit 13  
Trying to remove tumble / fill to try find SE corner  
Soil: ~~Dark~~ <sup>Rich</sup> brown silty clay, hard  
Tumble,  $\approx 20\%$  sub-angular pebbles.

47T/023 Found: Bone, Ceramics, Obsidian, Chert, BS, Shells

47T/025 130-140 cm BGS, NW corner unit 6.  
Looking for base of C.U.  
Soil: Rich brown clay, hard  
Tumble,  $\approx 80\%$  sub-angular pebbles

47W/066 Found: Ceramics, Obsidian, Chert, BS Shells

47W/011 0-20 cm BGS, NW corner unit 11 (11 is E of 2)  
Topsoil: Dark rich brown silty clay, loose, rocks  
Some hard tumble,  $\approx 10\%$  angular pebbles

47W/010 Found: Ceramics, Obsidian, chert, BS, Shells

47T/024 Found: Ceramics, Obsidian, Chert, Shells

47T/025 Found: Ceramics, Obsidian, Chert, BS, Shells

6-May-2002, Patrick Dresch

702-8-188

Started work at 7:20. Today should be the last day of excavation. About 25% cloud cover, dense to the south. We didn't bring a camera out to the site today, so I'll probably be running back and forth a lot borrowing Hansen's.

Feeling a little tired and worn out today. I think my workers feel similarly as they are quite quiet today. It may also be because Alison sent her workers off to backfill today. I'll probably need my workers for one more day to clean up the trenches for pictures.

47I/060

Going through fill of platform of BALDER to see if plaster continues underneath it. I am expecting that it will as it did for a section of LOKI.  
Soil: Dark grey brown silty clay hard, a few rocks.  
Unit 7.

47I/026

140 - 160 cm BGS, NW corner unit 6.

Looking for bases of AUDHUMBLA and BRAGI.

Soil: ~~rich brown clay~~ hard grey silty clay, red but fine.

~ 20% sub-angular pebbles.

47W/012

20-25 cm BGS, NW corner unit 10.

Cleaning unit.

Soil: Dark rich brown silty clay loose, roots.  
Found: Ceramics

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P02-8-189

~~47W/011~~ Found: Ceramics, Obsidian, Chert, Shells.

47W/013 0-20 cm BGS, NW corner unit 12 (12 is E of 11)

Following ~~Bas~~ BESTU

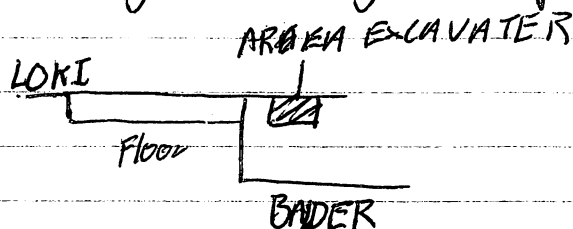
Topsoil: Dark rich brown silty clay, loose, roots  
Tumble, fill, C.H.,  $\approx 30\%$  sub-rounded pebbles

47W/014 0-20 cm BGS, NW corner unit 13 (13 is S of 10)

Topsoil: Dark rich brown silty clay, loose, roots  
Tumble, fill,  $\approx 20\%$  sub-angular pebbles

47I/060 Found a piece of something shiny, looks a bit like mother of pearl.

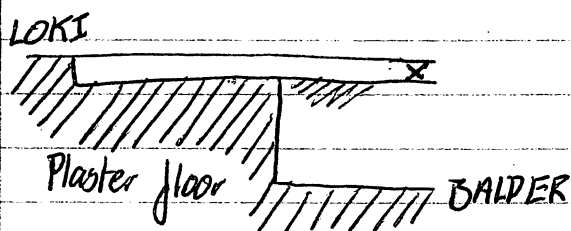
Have gone through platform.



From this I can see that the line is front of LOKI continues through the platform and that the plaster floor continues under the platform but not under the line.

Continuing to expose rest of line. Photos have been taken.

Shiny was found on top of line at X.



The "palabra sur la calle" is that the shiny may be a type of mica, possibly something that some like muscovite.

Found: Ceramics, Obsidian, Chert, BS, Copper, Shells, Shiny

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702-8-190

47T/026 Ceramics, Obsidian, Chert, BS, Shells

47W/013 Found: Ceramics, Obsidian, Chert, BS

47W/015 0-20 cm BGS, NW corner unit 14 (14 is E of 12)  
Topsoil: Dark rich brown, silty clay, loose, roots  
Tumble, fill, BESTLU,  $\approx 40\%$  sub-angular pebbles

47W/016 0-20 cm BGS, NW corner unit 15 (15 is E of 14)  
Topsoil: Dark rich brown, silty clay, loose, roots  
Tumble, fill, BESTLU,  $\approx 40\%$  sub-angular pebbles

47W/014 Found: Ceramics, Obsidian, Chert, BS, Leppe

47W/017 0-20 cm BGS, NW corner unit 16 (16 is S of 13)  
Topsoil: Dark rich brown silty clay, loose, roots  
Tumble, fill,  $\approx 35\%$  sub-angular pebbles

47W/016 Found: Ceramics Obsidian, Chert, BS

47W/017 Found: Ceramics, Obsidian, BS, Shells

47W/015 Found: Ceramics, Obsidian, Chert, BS, Shells

8-May-2002, Patrick Driesch

T02-8-191

Finished excavation on Monday the 8th. Yesterday I caught up on notes and had my workers clean my structure.

Today I just have Willmer and Abel who are cleaning the plaster floors before I take photos. I plan to take all my photos today and start final notes. I will probably have to work into next week to finish my notes.

It's rather overcast at the moment, great for photos. I just hope Anya finishes with the camera before the sun breaks through.

### Photos:

Base of FENRIS x 3

MITTELHEIM x 1

VALHALLA x 1

MISOLNIR (with Hugin and Munin)

PELAFNIR x 1

VALKYRIE x 1

47G x 1

ANNAR x 1

ANNAR, GYMIR, MIMIR, FREA x 1

Njord, Vanir x 1

GYMIR, MIMIR, FREA x 1

47C x 1

FREA x 1

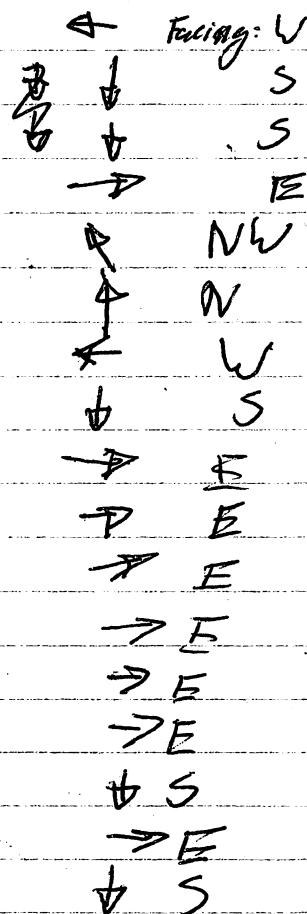
NORIN, MIMIR, FREA x 1

FREA, Cut blocks x 1

47G x 1

AEGIR x 1

47J x 1



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Photos

LOKI, VE x1  
 VE x1  
 VIDAR x 1  
 AESIR x 1  
 Base of VE x 1  
 IDUNN & ASGARD x 1  
 ASGARD x 1  
 GERI, FREKI, WEL x 1  
 GARM, GERI x 1  
 LOKI, OD, VE x 1  
 YGGDRASIL x 1  
 SIF, BOR x 1  
 47B x 1  
 BESTLI x 1  
 BOR x 1  
 FRIGA x 1  
 47B x 1  
 LOKI x3 from W to E  
 HEIMDALL, VALI, LOKI x1  
 N. HEIMDALL x1  
 GEDDA x1  
 SE corner, HEIMDALL x1  
 Looked structure, from 862 25 x1  
 Summit of looked structure x1  
 AUDHUMBLA, JORMUNGAND, HEIMDALL x1  
 W AUDHUMBLA, FORSETI, BRAGI x1

↓ S  
 ↓ S  
 ↗ V  
 → E  
 ↓ S  
 ↗ E  
 ↗ E  
 ↘ SE  
 → E  
 → E  
 ↑ N  
 ↑ N  
 → E  
 → E  
 ↓ S  
 ↓ S  
 ↘ SW  
 ↗ W  
 ↓ S  
 ↗ NW  
 ↑ N  
 ↗ W  
 ↗ W  
 ↗ N

8-May-2002, Patrick Dresch

702-8-193

# Final Notes

| Datum 1<br>@ 225 cm<br>above ground<br>surface.   | Unit Name  | Length<br>/cm                                      | Width<br>/cm | Alignment<br>Height/cm | Alignment | Courses | Top<br>measure/cm | Bottom<br>measure/cm |
|---------------------------------------------------|------------|----------------------------------------------------|--------------|------------------------|-----------|---------|-------------------|----------------------|
|                                                   | LOKI       | 1060<br>Probably<br>extends<br>a further<br>1000 W | 30-41        | 40-104                 | 230°      | 2-5     | 212               | 321                  |
|                                                   | BALDER     | 260                                                | 14-31        | 16                     | 230°      | 1       | 295               | 310                  |
|                                                   | ULL        | 50                                                 | 34           | 26                     | 220°      | 1       | 179               | 205                  |
|                                                   | FRIGG      | 380                                                | 85           | 8                      | 220°      | 1       | 202               | 212                  |
|                                                   | BOR        | 750                                                | 60           | 50-110                 | 230°      | 7       | 116               | 232                  |
|                                                   | SIF        | 93                                                 | 20-27        | 16                     | 230°      | 1-2     | 123               | 135                  |
|                                                   | YGGDRASIL  | 380                                                | 50           | 82.5                   | 145°      | 1-2     | 24                | 64                   |
|                                                   | BESTLA     | 430                                                | 30           | 45                     | 235°      | 2       | 16                | 68                   |
|                                                   | RAGNORM    | 240                                                | 26-30        | 20                     | 225°      | 1       | 82                | 98                   |
|                                                   | VALI       | 72                                                 | 17           | 42                     | 105°      | 2       | 228               | 271                  |
|                                                   | HEIMDALL   | 270<br>May extend<br>a further<br>690 S            | 30           | 27-96                  | 150°      | 2-9     | 218               | 316                  |
| JORMUNGAND                                        | JORMUNGAND | 150                                                | 50           | 23                     | 140°      | 1       | 315               | 338                  |
|                                                   | AUDHUMBLA  | 100                                                | 115          | 52-70                  | 145°      | 4       | 344               | 417                  |
| Datum 2 is<br>at 225 cm from<br>below Datum<br>1. | FORSETI    | 74                                                 | 16           | 26                     | 230°      | 2       | 344               | 372                  |
|                                                   | BRAGI      | 83                                                 | 36           | 18                     | 230°      | 1       | 354               | 363                  |
|                                                   | GERDA      | 195                                                | 15-37        | 11                     | 130°      | 1       | 351               | 366                  |
|                                                   | OD         | 29                                                 | 12           | 64                     | 150°      | 7       | 202               | 279                  |
|                                                   | VE         | 630                                                | 80           | 17-94<br>112           | 240°      | 7       | 143               | 260                  |
|                                                   | IDUNN      | 170                                                | 145          | 77                     | 235°      | 6       | 81                | 172                  |
|                                                   | AESIR      | 109                                                | 53           | 26                     | 230°      | 1       | 200               | 235                  |

DATUM 1

DATUM 2

9-May-2002, Patrick Drelich

702-8-194

| Unit Name  | Length<br>/cm | Width<br>/cm | Height<br>/cm | Alignment | Courses | Top<br>measure/cm | Bottom<br>measure/cm |
|------------|---------------|--------------|---------------|-----------|---------|-------------------|----------------------|
| VIDAR      | 160           | 54           | 18mm          | 235°      | 1       | 231               | 292                  |
| VANIR      | 610           | 24-44        | 12            | 245°      | 1       | 382               | 381                  |
| AEGIR      | 92            | 27-38        | 9             | 175°      | 1       | 367               | 378                  |
| NSORD      | 198           | 26-43        | 23            | 150°      | 1       | 348               | 381                  |
| GARM       | 104           | 55           | 22-36         | 185°      | 2       | 39                | 66                   |
| GERI       | 102           | 64           | 47            | 100°      | 4       | 20                | 61                   |
| FREKI      | 104           | 26           | 35            | 185°      | 3       | 61                | 87                   |
| HEL        | 117           | 69           | 42            | 160°      | 3       | 76                | 106                  |
| NORIN      | 176           | 20-32        | 9-113         | 235°      | 1       | 193               | 211                  |
| ANNAR      | 120           | 30           | 52            | 240°      | 4       | 164               | 219                  |
| MIMIR      | 700           | 30           | 15            | 155°      | 1       | 201               | 224                  |
| GYMIR      | 133           | 21           | 13            | 240°      | 1       | 192               | 214                  |
| FREA       | 700           | 31           | 19-66         | 145°      | 1-5     | 138               | 200                  |
| ODEN       | 490           | 52           | 15-26         | 150°      | 2       | 102               | 133                  |
| FENRIS     | 450           | 72           | 23-158        | 145°      | 2-10    | 76                | 221                  |
| BIFROST    | 118           | 55           | 20-37         | 150°      | 1-2     | 95                | 1263                 |
| ASGARD     | 600           | 124          | 35-41         | 145°      | 1-3     | 60                | 1206                 |
| VALKYRIE   | 510           | 26           | 17-40         | 240°      | 1-3     | 104               | 148                  |
| GIALLAR    | 112           | 25           | 18-24         | 245°      | 1       | 117               | 141                  |
| PILAFNIR   | 126           | 27           | 11-26         | 115°      | 1-2     | 120               | 142                  |
| MIJOLNIR   | 390           | 34           | 10            | 155°      | 1       | 125               | 158                  |
| VALHALLA   | 355           | 19-34        | 24            | 145°      | 2       | 119               | 132                  |
| METTELHEIM | 870           | 32           | 10-43         | 245°      | 1-2     | 96                | 174                  |



Alignment follows length

Circular C. U's

| Unit Name | Inner diameter<br>/cm | Outer<br>Diameter/cm | Height<br>/cm | Courses | Top<br>Measure/cm | Bottom<br>Measure/cm |
|-----------|-----------------------|----------------------|---------------|---------|-------------------|----------------------|
| HUGIN     | 14                    | 52                   | 12            | 1       | 130               | 148                  |
| MUNIN     | 24                    | 51                   | 11            | 1       | 129               | 152                  |



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P02-8-195

| Unit Name       | Largest Rock<br>HxWxD (cm) | Smallest Rock<br>HxWxD (cm) | Modal Size<br>HxWxD (cm) | Rock<br>Form                       | Material/kind<br>of Rock  |
|-----------------|----------------------------|-----------------------------|--------------------------|------------------------------------|---------------------------|
| LOKI            | 14x37x41                   | 4x3x2                       | 13x21x16                 | Sub- <del>rounded</del><br>rounded | 90% Basalt<br>10% W. lime |
| BALDER          | 13x30x34                   | 8x15x18                     | 9x26x24                  | Sub-<br>rounded                    | 90% Basalt<br>10% W. lime |
| 2 stones<br>ULL | 14x26x33                   | 12x25x32                    | 12x25x32                 | Sub-<br>rounded                    | 50% Basalt<br>50% W. lime |
| FRIGG           | 7x36x27                    | 3x20x14                     | 6x18x28                  | Sub-<br>rounded                    | 79% Basalt<br>25% W. lime |
| BOR             | 20x30x35                   | 2x6x5                       | 15x18x14                 | Sub-<br>rounded                    | 98% Basalt<br>2% W. lime  |
| SIF             | 11x20x28                   | 4x25x18                     | 10x14x12                 | Sub-<br>rounded                    | Basalt                    |
| YGGDRASIL       | 18x28x26                   | 7x16x15                     | 10x18x22                 | Sub-<br>rounded                    | 95% Basalt<br>5% W. lime  |
| BESTLA          | 15x41x28                   | 12x16x25                    | 14x31x27                 | Sub-<br>rounded                    | 80% Basalt<br>20% W. lime |
| RAGNORAK        | 12x27x29                   | 11x21x25                    | 10x20x26                 | Sub-<br>rounded                    | 95% Basalt<br>5% W. lime  |
| VALI            | 13x24x13                   | 5x8x10                      | 8x16x16                  | Sub-<br>rounded                    | 80% Basalt<br>20% W. lime |
| HEIMDALL        | 17x27x23                   | 3x6x4                       | 14x17x18                 | Sub-<br>rounded                    | 95% Basalt<br>5% W. lime  |
| ORMUNGAND       | 24x26x26                   | 11x12x26                    | 19x25x25                 | Sub-<br>rounded                    | Basalt                    |
| AUDHUMBLA       | 24x28x33                   | 3x5x6                       | 11x19x20                 | Sub-<br>rounded                    | 70% Basalt<br>30% W. lime |
| FORSETI         | 14x26x18                   | 3x6x8                       | 11x23x16                 | Sub-<br>rounded                    | 60% Basalt<br>40% W. lime |

10-May-2002, Patrick Driesch

P02-8-196

| Unit Name | Largest Rock<br>HxWxD (cm) | Smallest Rock<br>HxWxD (cm) | Modal Size<br>HxWxD (cm) | Rock<br>Form               | Material                  |
|-----------|----------------------------|-----------------------------|--------------------------|----------------------------|---------------------------|
| BRAGI     | 17x26x35                   | 14x15x32                    | 10x22x34                 | Sub-<br>rounded            | Basalt                    |
| GERDA     | 11x35x36                   | 2x12x16                     | 5x25x23                  | Sub-<br>rounded            | 80% Basalt<br>20% W. lime |
| OD        | 12x27x29                   | 3x4x3                       | 5x20x22                  | Sub-<br>rounded            | 85% Basalt<br>15% W. lime |
| VE        | 14x45x21                   | 4x8x5                       | 18x23x14                 | Sub-<br>rounded            | 95% Basalt<br>5% W. lime  |
| IDUNN     | 15x41x24                   | 9x13x15                     | 13x31x21                 | Sub-<br>rounded            | 99% Basalt<br>1% W. lime  |
| AESIR     | 12x37x24                   | 7x16x9                      | 9x19x16                  | Sub-<br>rounded            | 98% Basalt<br>2% W. lime  |
| VIDAR     | 15x34x21                   | 6x13x14                     | 7x25x16                  | Sub-<br>rounded            | 99% Basalt<br>1% W. lime  |
| VANIR     | 8x45x32                    | 7x26x23                     | 10x27x26                 | Sub-<br>rounded            | Basalt                    |
| AEGIR     | 10x30x34                   | 9x22x25                     | 8x27x26                  | Sub-<br>rounded            | Basalt                    |
| NEORD     | 21x28x43                   | 17x15x26                    | 21x29x23                 | Sub-<br>rounded            | Basalt                    |
| GARM      | 10x27x27                   | 6x13x12                     | 16x13x25                 | Sub-<br>rounded            | Basalt                    |
| GIERI     | 22x30x26                   | 5x6x10                      | 8x19x25                  | 95% S. round<br>5% S. ang. | Basalt                    |
| FREKI     | 12x26x27                   | 8x13xD                      | 7x19x24                  | Sub-<br>rounded            | Basalt                    |
| HEL       | 14x25x22                   | 12x11x20                    | 13x20x18                 | Sub-<br>rounded            | Basalt                    |

12-May-2002, Patrick Dineen

P02-8-197

| Unit Name | Largest Rock<br>HxWxD (cm) | Smallest Rock<br>HxWxD (cm) | Modal Size<br>HxWxD (cm) | Rock<br>Form            | Material                  |
|-----------|----------------------------|-----------------------------|--------------------------|-------------------------|---------------------------|
| NORDEN    | 14x42x26                   | 4x13x14                     | 12x19x28                 | Sub-<br>rounded         | Basalt                    |
| ANNAR     | 9x31x29                    | 4x6xD                       | 10x22xD                  | Sub-<br>rounded         | 90% Basalt<br>10% W. lime |
| MIMIR     | 12x45x31                   | 6x21x25                     | 9x35x21                  | Sub-<br>rounded         | Basalt                    |
| GYMIR     | 10x28x26                   | 11x19x26                    | 11x25x22                 | Sub-<br>rounded         | Basalt                    |
| FREA      | 8x33x34                    | 9x13x12                     | 9x19x30                  | 99% round<br>1% cut     | 98% Basalt<br>2% W. lime  |
| ODIN      | 9x33x39                    | 9x14x21                     | 10x25x33                 | Sub-<br>rounded         | 90% Basalt<br>10% W. lime |
| FENRIS    | 10x33x38                   | 7x7x24                      | 9x21x33                  | Sub-<br>rounded         | 99% Basalt<br>1% W. lime  |
| BIFROST   | 22x27x23                   | 10x16x23                    | 14x21x23                 | Sub-<br>rounded         | Basalt                    |
| ASGARD    | 21x22x24                   | 8x10x14                     | 7x22x23                  | 99% round<br>1% s. ang. | 98% Basalt<br>2% W. lime  |
| VALKYRIE  | 10x36x19                   | 12x5x10                     | 10x23x21                 | Sub-<br>rounded         | 98% Basalt<br>2% W. lime  |
| GIALLAR   | 12x32x23                   | 11x20x25                    | 12x26x21                 | Sub-<br>rounded         | Basalt                    |
| PFLAFNIR  | 8x22x21                    | 4x9x12                      | 14x15x11                 | Sub-<br>rounded         | 80% Basalt<br>20% W. lime |
| MJOLNIR   | 14x40x38                   | 5x9x10                      | 7x26x24                  | Sub-<br>rounded         | 98% Basalt<br>2% W. lime  |
| VALHALLA  | 16x41x23                   | 5x6x13                      | 17x27x25                 | Sub-<br>rounded         | 95% Basalt<br>5% W. lime  |

12-May-2002, Patrick Dresch

702-8-198

| Unit Name  | Largest Rock<br>HxWxD (cm) | Smallest Rock<br>HxWxD (cm) | Modal Size<br>HxWxD (cm) | Rock<br>Form    | Material                  |
|------------|----------------------------|-----------------------------|--------------------------|-----------------|---------------------------|
| MITTELHEIM | 23x28x22                   | 6x10x12                     | 13x21x29                 | Sub-<br>rounded | Basalt                    |
| HUGIN      | 11x17x16                   | 5x10x4                      | 10x13x14                 | Sub-<br>rounded | 85% Basalt<br>15% W. lime |
| MUNIN      | 9x16x23                    | 8x7x9                       | 8x14x12                  | Sub-<br>rounded | Basalt                    |

### Final Notes:

BALDER: is a C.U. on the N face of structure 85. It is the Northern face of a low platform projecting N from 85. <sup>The platform associated with BALDER</sup> BALDER abuts LOKI, and earthen rests upon the plaster floor of THOR. The exposed area of the platform is 260cm by 145cm.

THOR: Is a floor associated with structure 85. It is best preserved at the base of LOKI, where a plaster surface can still be seen. THOR runs under BALDER and the E end of LOKI. The plaster does not run under LOKI directly S of BALDER. It extends about 5m N from BALDER into a plaza.

LOKI: is the main basal wall on the N of str. 85. ~~It was~~ It was built in several different phases of construction. There is a line of stones incorporated into the base of LOKI, onto which the BALDER platform is added on. This line extends 134cm E from the edge of the platform and is more integrated into LOKI in the E than in the W. The section of LOKI immediately S of BALDER is about 40cm higher.

13-May-2002, Patrick Drees

P02-8-199

LOKI: From the section of LOKI immediately E of the platform. The 134 cm of LOKI E of the platform has a very distinct appearance from the rest of the C.U.. Here the line of basalt rocks can be seen jutting from the base of LOKI for a distance of 4 rocks. Above these is a single course of 3 large white limestone rocks, sandwiched under another single course of 4 basalt rocks. Hoping to find evidence of a change of phase of construction, I removed the soil above LOKI at the end of this 134 cm, but did not find any evidence of a corner.

Another 138 cm E the appears to be another change in the style of construction, with a move to somewhat smaller basalt rocks. Again, though, there is no obvious sign of a corner having existed at this point in LOKI when looking for down.

Having excavated through THOR 250 cm at the base of LOKI, (250-330 cm W of the NE corner of Str. 85), it can be seen that THOR runs under this section of LOKI and must therefore predate it. Having also removed a stone from the line at the base of LOKI, it can be seen that the plaster of THOR abuts this line.

The section of LOKI exposed W of 475 is different to that E of 475. Here the stones used tend to be smaller. There are one or two points on the wall where there are predominantly smaller stones with larger ones above them. The W limit of LOKI is about 420 cm W of the E edge of 475. I take this to indicate the western limit of Str. 85. At this point Str. 85 and 86 meet. Due to their slightly different alignment, LOKI is slightly further N than V.E. The end of LOKI, perpendicular to V.E., has been named OD. At this

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P02-8-200

LOKI: point it can be seen that VE runs behind LOKI, indicating that this phase of LOKI postdates VE.

The W section of LOKI seems to be slipping forward more than the E section.

In sub-op 47B, the next con C.U. unit (ULL) is 78cm S of LOKI (measured from N face to N face).

ULL: is the next construction unit (N to S) is 47B.

It is a single course of stones high, and the section uncovered is only 2 stones long (perhaps giving some leeway as to its interpretation as a C.U.). ULL runs parallel to LOKI. The ULL is about 20cm higher than the top of FRIGG (254cm S of ULL, N face to N face) and may have been a later addition to help define FRIGG.

FRIGG: seems to be a fairly defined floor area at the base of BOR. There is a section of plaster ~~surviving~~ surviving in the S most unit of 47B. This section of plaster is 130cm long, 16cm wide at its widest 5cm at its narrowest, and about 10cm deep. In 47B, FRIGG extends 133cm N from the base of BOR.

BOR: is the next C.U. (N to S) in 47B. BOR is a quite substantial wall and indicates the second level of str. 85. The style of construction of BOR is quite different to that of LOKI, being comprised of a range of sub-rounded cobbles of a wide range of sizes instead of the more constant stones used in LOKI. There seems to be some traces of plaster on BOR, which may indicate that the whole C.U. was once plastered over. This may also explain the inconsistency in size of the stones used.

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P02-8-201

SIF: runs parallel to BOR and lies 66 cm S of BOR (W face to N face). The N edge of SIF may indicate the ~~begin~~ beginning of a summit floor on str. 85. Unfortunately it is lost under unconsolidated fill and ~~it~~ was not picked up on the S side of the summit.

YGGDRASIL: is the W limit of a possible summit construction. Due to the unconsolidated fill on the summit of the structure it is difficult to pick out C.U.s. A tree is growing in the SW corner of this possible summit construction. YGGDRASIL may be interdigitated with both BESTLA and RAGNORAK.

BESTLA: is the S limit of the possible summit construction. It runs perpendicular to YGGDRASIL and has also been affected by the roots ~~of~~ of the tree.

RAGNORAK: is the N limit of the possible summit construction. It runs perpendicular to YGGDRASIL and parallel to BESTLA. Unfortunately, most of this C.U. has slipped down the N face of str. 85.

VALI: is part of the NE corner of str. 85. Vali is a line of stones running diagonally across the corner, between HEIMDALL and LOKI. There is no clear evidence of interdigitation, but this may be due to poor preservation. VALI could possibly be a stylistic feature designed into the corner, or perhaps an easy way of repairing a damaged corner.

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HEIMDALL: is the E basal wall of str. 85. It seems to slip N somewhat at the corner with LOKI. It is possible that HEIMDALL and LOKI interdigitate but it is impossible to say for certain. The section of HEIMDALL to the N is ~~comprised~~ comprised of more smaller stones than the section to the S. The SE corner of 85 was collapsed, exposing the unconsolidated fill within.

BRAGI: runs parallel to FORSETI and perpendicular to AUDHUMBLA. It may be a step associated with the SE corner of str. 85. It seems to abut AUDHUMBLA.

FORSETI: runs parallel to BRAGI and abuts AUDHUMBLA. Its top is level with that of AUDHUMBLA.

AUDHUMBLA: runs parallel to JORMUNGAND and HEIMDALL. It may be a part of a set of steps leading up to HEIMDALL. It is abutted by FORSETI.

JORMUNGAND: is situated at the base of HEIMDALL and runs parallel to it. It may be a step associated with HEIMDALL.

GERDA: is a line of stones running S from the SE corner of HEIMDALL. It is one course high and I don't know what its function might be.

AEGIR: runs roughly perpendicular to VANIR at a level of about 20cm below it. This C.U. was only exposed in one EU, and not followed.



13-~~Apr~~ May 2002, Patrick Drasch

P02-8-2013

VANIR : is the North wall of a platform projecting N from str. 86. This line is a single course high and would seem to abut NSORD. There does not seem to be a substantial amount of fill associated with this platform, unlike the BALDER Platform. This platform only has only 2 boundaries VANIR and NSORD. There is no E boundary.

NSORD : is the W boundary of the platform. It is a single course high and is roughly level with FREA.

VIDAR : is within the boundaries of the platform. This possible C.U. would have been a very late phase construction, possibly well after the peak of str. 85 and 86. There is no direct association with any other C.U.s.

AESIR : is a box like C.U. roughly parallel to VE. It does not seem to have any direct association with any other C.U.s. A large number of sherds were found within this C.U.

OD : is the W end of LOKI perpendicular to VE. It is not, strictly speaking, its own construction unit as it is still part of LOKI.

VE : is the N basal wall of str. 86. At the point where str. 85 and 86 meet VE goes behind LOKI. The style of construction in the final eastern metre of VE is different from the rest of the C.U. A distinct line can be seen here where once the 2 str. were probably separate.

13-May-2002, Patrick Dreech

PDZ-8-204

MIMIR: is the ~~the~~ boundary in W boundary to str. 86.

It is the W line of a platform that comes off the W end of 86. At its S half it defines the limits of a fairly well preserved plaster floor that probably abuts FREA. MIMIR passes under NORN and seems to abut GYMIR (the S boundary to the plaster floor)

NORN: Runs perpendicular to FREA and bisects MIMIR.

NORN seems to be the N boundary to the plaster floor.  
NORN abuts FREA.

GYMIR: is the S boundary of the plaster floor. It seems to abut FREA and is abutted by MIMIR. There is cobble fill to the S of GYMIR, which seems to be a late phase extension of the platform coming away from the base of FREA.

FREA: is the W basal wall of str. 86. Its corner with VE is not very well preserved, but I think they interdigitate. There may be some steps leading up to FREA, in line with the cut stone blocks near its N end. There is plaster preserved going up the face of FREA level with the plaster floor.

ODEN: runs parallel to FREA. There is a break in ODEN at the cut stone blocks of FREA

FENRIS: runs parallel to ODEN. Soil fill to E of FENRIS followed FENRIS down through fill to find its base. There is a space of 57 cm between FENRIS and BIFROST

13 May - 2002, Patrick Dresch

P02-8-205

BIFROST: runs parallel to FENRIS. Unlike FENRIS, it seems to sit on top of the soil fill instead of continuing down through it.

ASGARD: runs parallel to BIFROST. It seems to have interdigitating corners with both IDUNN and VALKYRIE.

IDUNN: runs parallel to VE and has an interdigitating corner with ASGARD. IDUNN stops at ASGARD and does not meet BIFROST or FENRIS.

HEL: is roughly even with the E end of str. 85. It is parallel to ASGARD and FREKI.

FREKI: is located at the base of GREI. It is parallel with HEL and GREI. It is roughly even with the W limit of str. 85.

GREI: is parallel to FREKI and GARM. It is roughly even with the W limit of str. 85.

GARM: is parallel with GREI. Surrounded by unconsolidated fill.

PFLAFNIR: is a semi circular wall that bends off to the SE and abuts VALKYRIE.

VALKYRIE: is the S boundary to str. 86. It is parallel to VE and abutted by PFLAFNIR, MISOLNIR, and VALHALLA. It interdigitates with ASGARD, and possibly FREA.

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P02-8-2006

ANVAR ANVAR: is a N facing wall roughly in line with ~~VAB~~ GIALLAR, and perpendicular to MIMIR. This may be part of another structure to the W. There is a 2nd line 73cm S of ANVAR.

MISOLNIR: is a low cobbled terrace ~~that~~ to the E of VALHALLA, and abuts VALKYRIE. HUGIN and MUNIN are set into MISOLNIR

VALHALLA: runs perpendicular to, and abuts with VALKYRIE. VALHALLA probably interdigitates with MITTELHEIM and is abutted by GIALLAR. VALHALLA is probably the E most boundary of a structure extending to the W.

GIALLAR: is a line of 3 stones extending W from VALHALLA, which it abuts.

HUGIN: is a ring of stones set in MISOLNIR. HUGIN is S of MUNIN. It was probably used as the setting for a post.

MUNIN: is a ring of stones set in MISOLNIR. MUNIN is N of HUGIN. It was probably used as the setting for a post.

MITTELHEIM: is a Cu. extending W from VALHALLA right on the edge of the slope overlooking the SE complex. This line is fairly well preserved but becomes obscured to the W by fill. Probably the S boundary to str. extending to W.

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P02-8-207

### Structures 85 and 86:

Before excavation, my structure was given two designations. 85 appeared, from the surface, to be a longer range structure with 86, a lower terrace, added on to the West end of 85.

This structure is atop a steep slope that overlooks the South East complex below (although this is only ~~apparent~~ descriptive of its current state). 85 and 86 seem to be most closely associated with an elite residential plaza to the North of the structure. Close by to the NW can be found a ballcourt and associated structures. Due to alignment and apparent removal from the ballcourt, however, 85 and 86 are unlikely to have had any direct association with the ballcourt.

There are 3 structures that could possibly be considered to be associated with 85 and 86, and might be considered for later excavation. To the West of 86 there seems to be another range structure, the Eastern end of which I began to clear and seems to have been connected to 86.

There is a 2nd structure North of 85 on the far side of the plaza, with a similar alignment to 85. ~~Unfortunately~~ Unfortunately this structure has been looted. To the East of 85 there is a small mound structure that may be associated with 85, and may be interesting to excavate considering the possible steps associated with the East end of 86 (BRAGI, FORSETI, JORMUNGAND, AUDHUMBLA: P02-8-202).

Through the course of excavation I have learnt several interesting things about structures 85 and 86. For one thing, they seem to have originally been two separate structures, joined together at a later date (P02-8-207).

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P02-8-208

Excavation has also allowed me to see different phases of construction in the structures. This is particularly the case for structure 85 and the different stages of construction for LOKI (P02-8-199).

### Structure 85:

Alignment:  $230^\circ$   
Length:  $\approx 20\text{m}$   
Width:  $\approx 10\text{m}$   
Height:  $3.2\text{m}$

Structure 85 is comprised of two terraces. defined. The bottom terrace is defined by LOKI and HEIMDALL, while the upper is defined by BOR (no North-South C.U.s were uncovered for the upper terrace). Surrounding the Around the north the North East is the floor THOR, with preserved plaster at the bases of LOKI and HEIMDALL.

Possible steps at East end of structure. Platform / low terrace extending North from LOKI to BALDER (P02-8-198). Structure seems to be primarily unconsolidated fill enclosed by walls.

### Finds:

Large numbers of partial marbles.

Pottery at base of BOR including polychrome and red on natural.

Red on natural ceramics associated with AUDHUMBLA, FORSETI, and BRAGI.

CACHE of Obsidian blades at base of LOKI (E)

Fr 13-May-2002, Patrick Dreech

P02-8-209

### Structure 86

Alignment:  $240^\circ$

Length:  $\approx 6.3$  m

Width:  $\approx 7$  m

Height:  $\approx 2$  m

Structure 86 is defined by VE to the North, FREA to the West, and VALKYRIE to the South. There is a low platform/terrace extending West from FREA. ~~With~~ This terrace has been plastered as has some of FREA.

Fill between FENRIS and ASGAR is comprised of soil. FENRIS to FREA is probably all ~~of~~ rock fill.

Area ~~between~~ East of ASGAR is unconsolidated fill, as is area South of VALKYRIE.

Possible steps associated with ~~R~~ FREA. Large number of parallel walls ~~running~~ between FREA and GARM, running between VE and VALKYRIE. Third structure seems to be joined onto 86 (where VALHALLA meets VALKYRIE).

Ash in soil at join between VE and LOKI.

Low platform/terrace defined by VANIR and NJORD extending North from VE.

### Finds:

Mabile fragments.

Ceramics, Obsidian, Chert.

Lots of vajareque at base of FENRIS.

Lots of copper samples from both ~~a~~ 85 and 86.

