

Lori Dueck 1988

Pseudo-2  
neck 1 1/2  
rim 1 1/11  
body

coverings  
flakes

bone frags brittle with

mandible  
teeth  
rib  
metapodial  
patella

mainly horizontal plate

coronoid process  
 distal end of mandible  
 " " " radius  
 olecranon  
 distal end of metapodial  
 metacarpal  
 tarsal (deep groove)  
 2nd/3rd carpal  
 or tarsal

LOUSTROM SITE: DJLx-1 Block E - Unit 124 - Lori D.

①

June 8/88 - Wed.

1<sup>st</sup> day in the site excavating, at Block E. Four <sup>UNITS</sup> pits opened. Digging in 5cm. levels + working in quads. ~~is~~ <sup>is</sup> ~~fast~~ less time consuming in ~~total~~ recording artifacts. Found bone frag + 2 flakes in the NE + SE quads. Began SW quad. Uncomplete. Beautiful day, cool breeze. Not hot.

June 9/88 - Thurs.

Completed Level 1, after aft. break. Found small bone frags, a couple were burnt, and 6 flakes (one is KFA). A bone appearing in NW quad - perhaps identifiable. The unit has a "small hill" or upward slant in it. Starting level 2 - shovel shave. The soil is sandy loam.

June 10

2 quads began - SE + SW. Bone fragments, 2 flakes and 1 body sherd (in SW quad) were found. The soil is easier to work in, less hard packed.

②

June 13 - Monday.

Cool, breezy, clear day. My pit was covered by a plastic  $\therefore$  no damage done over weekend. Continued work in SW quad - a mandibular molar appears at bottom of level. A couple tooth frags found, many small bone frags, some burnt. Moved up to NE quad, more bone frags, a tooth frag, and a flake. A large FCR(?) appeared, with a large mandibular bone, lying horizontal. A soil colour change appears (~~redish~~ it could be a feature: dark brown soil inside feature & a medium brown soil colour outside. The adjacent unit 117 (Shannon) continues the feature with several FCR(?), more large bone horizontal position. Unit 117 is in a dip, while Unit 124 is on a uprise which could show a boiling pit in the dip. Soil sample taken from unit 117. (the dark brown soil). Left the NE quad without levelling it off to Ucom. Working on the NW quad now.

June 14 - Tuesday.

Raining. Went to surveying in the morning, then to the lab. Surveyed  $\approx$  about 5km S. of farmhouse along the river, in a couple fields + pasture. Found artifacts that suggest an archaic group: lithics, flakes

projectile pt. core frags. No pottery. Some bone.  
In lab, washed artifacts from last year fieldwork  
- mostly Block C.

June 15 - Wednesday.

Wet morning. Didn't go to the site but back to the lab.  
Continued work on washing bones + artifacts. Jamie  
worked on forms for the 2 areas we started surveyed  
yesterday - no names yet. Jamie will not be continuing  
at Levensham. (poison ivy!)

June 16 - Thursday.

Back at site finally. Units are damp. I continued on  
NW QUAD. until it was flush with other NE QUAD  
at 8 cm BS because this may be a feature, floor  
was not levelled to 10 cm BS. 5 possible FCR appeared.  
But small. Only one "large" FCR bordering N/S wall  
of Units 124 + 117. One or two larger bone pieces  
appearing. One sesamoid + one phalanx present. Bone  
fragments total of Level 2 is 318, lithics is 16  
including KRF flakes, small body sherds totalling 10.  
The NW QUAD + SW QUAD yield the highest number  
of bone + artifacts, while NE + SE QUADS ~~are~~ have  
a few bone frags, no ceramic + only 1 ~~each~~ flake each.

(4)

June 17/88 - Friday.

Started Unit 135 ~~east~~ west of Unit 124. Opened it to see what continues in feature (Unit 117 + 124). Many bone frags - larger than in Unit 124). One phalanx. About 4 flakes found. (3 KRF). A large body sherd in SE Quad. Non-decorated. Appears to be the same type of body sherds that I'm finding. The colour is similar - light tan/brown. A core frag. present in SW quad. Seems as though the tree roots gather up a lot of the bone & artifacts. The tree is located in the west wall, center.

Hot day & the pits are drying out from the last couple rainy days.

June 20 - Monday.

Cool, sunny, ~~more~~ day. A bit of rain over weekend, but pits aren't too wet. Finished SW Quad - one flake, many bone frags, & five small body sherds, and 1 core frag.

Completed Level 1 - no feature form, soil colour uniform, no FCR or large bone. Found a projectile pt. in NW Quad. Material appears similar to core frag. material found in SW Quad. Few flakes, (KRF + core frag. material. quartz?) NW Quad has

a lot of tree root disturbance ∴ provenience on proj. pt. may ~~also be disturbed~~ not be in situ. Total of

- artifacts found: LITHIC - 11
- CERAMIC - 12
- BONE - 375.

~~The largest~~

A bit of root burn in NE QUAD.

June 21/88 - Tuesday.

Hot day. Little breeze. Completed SE/SW/NW QUADS. FCR appeared, but only one is of a large size in SE QUAD. Larger bone appeared at this level, such as an ilium (part of one), 2<sup>nd</sup> + 4<sup>th</sup> phalanx (perhaps), rib fragment, 3 tooth frags. ~~Very little~~ Few flakes, + body sherds. One possible ~~neck~~ <sup>neck</sup> sherd. A tip of a uniface located in SE QUAD - nice chert. In regards to the feature, may still be a possibility. But the FCR ~~is~~ are small and not in a definite pattern.

2 other larger bones in NE QUAD. Most of large bones are in a horizontal position, one in a dipped position, + another in a vertical plane.

June 22/88. Wed.

Worked on last Quad NE in Unit 135. Larger bone appeared. Kato & Sylvia came by, with Bev Kato named all the bones. When Shannon was completed her level 2, took picture of 4 units 135, 136, 117, 124 as Feature #1. The FCR is "kicked around" or is not really defined in Unit 135. Could be a boiling pit, but no definite color change.

Opened up adjacent units 137 & 134. Neighbor farmer came by to see what we were going on.

June 23/88 Thursday.

Started & completed Level 1 in Unit 134. Quite a few ceramic pieces (small, broken up) in SW Quad. Also a rim sherd. But not as many body sherds in other 3 Quads. Some bone fragments, - have not counted them yet but does not appear to be over 100 in each quad. A cow frag & a few plates also appeared. There is a root running thru unit W  $\leftrightarrow$  E  $\therefore$  root disturbance



perhaps. The soil in top 5cm. is very rich + full of ~~the~~ small roots.

June 24/88 Friday.

Raining slightly in morning. Went to site, cleaned up area (to be 'pronto' for the prez.) Still rainy, so went to small cabin + did notes

Level 1 in Unit 134 yield: 13 lithics (total), 18 ceramic pieces and 410 bone fragments. The NE + SW Quad yield highest # of artifacts. Note the bone fragments they, I find that while I shovel shove, ~~the~~ bone fragments do break, therefore ~~increases~~ number.

June 27 - Monday.

Worked on SW, SE + NW quads. Lots of bone frags. In SW Quad there is 249 bone frags! SE has 200+ plus. Arrowhead in 7cm BS - cord wrapped, perhaps decor. inside. Looks like Blackduck pottery. Again, indicates a multi-occupational site. A mandible is being exposed. BU (who came by with Philip + another field student) figured the bison was a young one. Not much wear on the tooth. A ~~shovel~~ shovel 9cm BS appeared. No idea what it is. In SW Quad there

is a dead root disturbance.

Spent some time this morning, pulling up the "big blue tarp". Bev thought it looked like a BINAO hall!

June 28/88 - Tuesday.

Completed Level 2 in Unit 134. Not much there but many bone frags: example → 255 frags SW quad; 201 in SE quad + 193 in NW quad. 25 body sherds (quite broken up tho) 2 rim sherds + 1 neck sherd. The soil is uniform medium brown. There is one FCR in NE Quad which could be part of feature #1.

Shannon + I brushed the 4 units of Feature #1. Sprayed them (takes forever plus lots of H<sub>2</sub>O). Tried "peeling" them back off the top to see if there is any color change. Shannon's ~~2~~ units there appeared to be 2 colors - reddish-brown and brown. Patchy. She tried to follow it and mark the change.

I began to "trim" the hump. Larger bone appeared which fits the feature. We are separating the 2 levels, or making an arbitrary line between "the feature level"

and the level above it. Therefore bone frags found above the larger bone will ~~be~~ not as be as part of the feature - for analysis purpose. I haven't discovered any soil colour change in Unit 124. But the soil substance feels different at times while travelling. Is it actual different soil or root decay - since there ~~is~~ was a tree & many roots in this unit, or is it the drying out / moist areas?

Still trying to figure out if this is a surface / horizontal feature or if it goes down deeper, such as a pit feature.

June 29/88 - Wednesday.

Cool day. Finished trimming the "hump" in Unit 124. Not much in it but a few larger ~~to~~ bones, bone frags, ceramic & lithic material. The soil does feel different. Inside the "hump" it is hard-packed & clayey. Outside towards ~~the~~ wall, it is easier to travel. Softer soil but could be due to stepping on it, moisture loss, root decay etc. Shannen excavated

in her SW quad, to see if there was any soil colour change in the SW wall profile. And to see how deep the feature goes. Appears that it is a shallow / surface feature and not much depth. ~~Jan wants to leave the feature units to be excavated at some~~  
~~Not sure what to~~

I excavated some in Ian's unit 120 as he drew in the feature on the drafting board. I don't like digging in someone else's unit. It's not possessiveness, but it's the ~~initial~~ initial unfamiliarity.

Then Ian & I plotted the FCR elevation members on map.

Then I excavated level 3 in Unit 134. What a wonderful feeling to be digging further than level 2!

In NW quad, uncovering larger bare. The field school gang has arrived. Brought the privy.

June 30/88. Thursday.

Cloudy, cool day. Sprinkled rain in late morning & afternoon. Took down pedestals in NW Quad of Unit 134. Bagged bone & FEL for both levels 2+3. Started NE Quad. Uncovered a ~~to~~ complete rib bone. Never seen an intact rib ~~in~~ while excavating before. At bottom of level 3, an FEL somewhat large is appearing. Could fit with the other FEL in Feature units, but why is it at 15cmBS instead of 5-10cmBS? Could the ground level at the time be on a slant? Is the tree presently growing moving the earth upwards in some places & downwards in other places? This unit does have a number of large bone. Interesting to see what else level 3 has.

The tarp works well for the light drizzle.

July 1<sup>st</sup>, 1988.

I am putting in a 1/2 day work today. Can just dropped me off at 12:10 pm. I'll work till 4:00 pm. In Unit 134, NW Quad is wet from last ~~at~~ night's rain. Good thing I'm finished level 3 in that quad.

Completed NE Quad - lots of bones nearly intact ribs about 30 cm! other ribs frags, FCR. In SE Quad there is also much bone.

4 hours goes quickly!

July 4 - Monday.

Worked on SE + SW Quads. Still lots of bone coming up. + small FCR. The soil is dry + easy to handle. There are areas which are hard but it may be due to the drying out process. Uncovered a small bone which does not appear to be lion. Also a neck shield (screen find).

Ben came by in apt. Revisiting Feature #1. Possible that we are digging outside of the Feature + the inside was dug last year: Mike, Lynne...

July 5 - Tues.

What a day! Feels like I've wasted it! I just spent from morning coffeebreak → afternoon coffeebreak provisioning, cataloguing + recording the bone + FCR in Level 3. Takes so long! Feel like I should have been finished in 1/2 that time.

Morning was a slow start. Since we had a fantastic

thunder + lightning storm last nite, we waited until 8:00 am to get out on the site. Spent the one hour doing lithic + ceramic densities. Shannon, Ellen + I finished the lithic densities.

level 3 ~~not~~ uncovered; 20 lithic (flakes), 28 ceramic shreds including a couple neck + pseudo-slip, and 934 bone frags (large + small).

that → is A LOT of counting! WOW TRUE!

It may be possible that this level is contemporaneous with level 2 in Units 135 + 129, 117 + 136 (Feature units?). The bone is usually in a horizontal position, rather than vertical or dipped position which would indicate a "pile" of bones, unnatural occurrence. Horizontal indicates the bones were scattered.

~~###~~ Continuing on level 4.

July 6 - Wed.

Day went quickly. Completed NE QUAD. 3 large bone present (teeth + mandible; and some others I don't know what they are). The large FCB hit bottom at this level. 2 other smaller ones appeared. Less number of bone frags. More number of

ceramic body shreds.

In SE Quad - more large bone appearing.  
Soil is clayey - in NE Quad. ~~It is~~ <sup>the</sup> ~~the~~ <sup>HATTING</sup>  
the same clay as other units at this level.  
It was patchy clay & patchy sandy soil.  
- What a HORRIFIC NITE - thunder, lightning  
& RAIN. Tents didn't hold up. So it was a  
short nite for Philipp, Ian & I and that's  
why these notes may be scribbly.

July 7/88 - THURSDAY.

~~It~~ Rained VERY HARD last nite. Another  
horrific storm. Our pets are all quite well.  
Easy travelling, but screening difficult as the  
bone is very soft & ~~too~~ easy to break or  
scratch. Continued on SE Quad. less major  
bone - only 3. No large FER. Only a small "iffy" FER  
Quite a few body shreds. The bone frag. count  
is also down. In SW Quad, only one major bone  
(identifiable) appeared. bone frag. & count down.  
Ceramic as well. Again one ~~of~~ small FER  
In NW Quad - seems to be more bone frags.  
Not completed. A phalanx appeared.



The soil is patchy with clay & silt. Meaning "the end" of the silty stuff. May only have to go down one more level, to be flush with adjacent unit.

July 11/88 - Monday

Units finally dried out. Improved "safe" trowelling. Finished level 4 - bone frag. ~~count~~ count decreased but still relatively high (515 frags). 24 body sherds found. No rim or neck sherds. ~~Only~~ 12 flakes found. The soil is patchy, maybe bone disappearing.

Continuing in level 5 (20-25cm BS), the clay patches increase. Bone frags drastically reduced. For ex., in NE only 49 fragments found, including a phalanx. In SE Quad, 52 frags. found. "Large" FER seem to be appearing.

In NE Quad, 4 ceramic body sherds were located in a cluster. Three fit together perfectly, and one may fit. It's the thick type of pottery.

July 12 - Tuesday

Good day. Perfect for excavation. (Continued shovel shawing at level 5. Bone frag. count only 155 in the total level. Will probably take it down another level

→ \*also spent the morning going thru the Master Catalogue sheet + unit bags. Takes time if mistakes. RIGHT!

because artifact count is relatively higher in comparison to other units. The clay is increasing, some FCR are appearing.

Ben came for a visit. Showed off our goodies. The bone frags in level 3 (over 900) were looked at. Some weathering has broken them down but also looks as though they have been cut. One frag. had deep cuts - in a jagged fashion. It remains a question... why?

Began level 6 (25-30 cm). In SE QUARTS, large rock appearing - at least 4 large stones. The clay is hard, some dark brown patches in middle of QUAS.

July 13 / wed.

Completed Level 6. Mostly clay, with patches of ~~the~~ medium-brown soil. Only 29 bone frags - very small, well recovered. 2 body sherds - small + thin-walled. One piece looked as though it was broken off of length-wise from a wall of a vessel is an interior side of a vessel with the outer side broken off. No lithics found. This level is also has 14 rocks at the

bottom, including some just appearing. Could be cultural or natural. Some rock does ~~as~~ look like FCR. Ian is going to check them all before deciding whether to dig further, or map them in with other level 7 in other units such as Philip's, May's etc. My level 6 could be contemporaneous with level 7 ~~is~~ on the other side of the block. This could be on a slope.

Doing soil profile on all 3 walls.  
 Block D is opened, with Laura, Ellen + Margaret.

July 14 / wed.

Spent almost half the morning fiddly around with the tap with Philip + Ian. Finally got it together and the tap is "working efficiently" now. I finished off the 3 soil profiles - 3 horizons (churns, sandy loam, clay) + started Felt great to finish unit! Started level 3 in Unit 135 - the feature #1 level. So far there is ceramic body sherds, flint CRP and many bone frags coming out of SE corner. Part of the afternoon was spent helping Ian, with Shannon.

with the transit. ~~For~~ Discovered that the units are not altogether corresponding to each other. The grid is on angles everywhere.

Another Block is being ready to open

July 15/88 - CORINNE'S BIRTHDAY!

Continued level 3 in Unit 135. There ~~is~~ are ~~about~~ 6 lithic material in each Squad, including one core frag. Around the tree root is where most of the stuff is being recovered. Ribs & other identifiable bone are appearing.

The bottom level 3 in the Squad, however, few bone pedestals (3) which is much less than what adjacent Unit 134 had at level 3. Why? It appears that " " goes deeper with cultural material while this Unit 135 finishes earlier. If this is a pattern, it is very shallow. No FCR coming up. In "kitty corner" unit 117, the same happened where bone was a lot in level 3 & ~~is~~ not much in level 4. Bone frags in this Unit are still quite small (less than 5cm). Perhaps the bone was culturally broken up as in Unit 134 which makes sense.

July 18 - Monday

No rain on weekend. ? units finally not in the "mud category".

In NW Quad, patches of clay appeared. There was also a rodent burrow disturbance in SE part of NW Quad. The tree roots extend well in the QUAD. Most of the bone fragments are found among the roots.

In NE Quad, the clay patches are more apparent. This ~~area~~ corresponds to Unit 117 where clay appeared as well at bottom of level 3.

But large, identifiable bone are not as abundant ~~in~~ as in Unit 134 (adjacent). Perhaps this is due to a slope?

3 FCR in NE Quad join together, but 2 of them border ~~the~~ with Unit 124 and these will be included with Unit 124 instead of Unit 135. A note of this has been made in level catalogue & on the bag.

This day went by quickly. There were homemade chocolate chip oatmeal cookies for lunch! What a taste.

July 19 - Tuesday.

Finished off paperwork & photo for level 3, Unit 135. Still recovering 100's of small bone frags - for ex 695 in the level. Most coming out of SE Quad (236 frags). This is strange because it doesn't correspond accordly to adjacent quad in Unit 134 which is the NE Quad. This recovered the lowest number of bone frags (166 frags) at level 3. I would have thought ~~that~~ the number of frags would have been higher. The frags are still very small - therefore possible cultural butchering techniques. 29 ceramic body sherds including one possible rim sherd. The ceramic is the thin type.

One more note about bone frags. The SE Quad. # does correspond to the highest # of frags in level 2 in the same quad.

20 flakes flakes, most of KRF, with one core frag.

Seemed to be a rodent disturbance in N half of unit - especially in NW Quad. - running N $\rightarrow$ S. It disappeared at bottom of Level 3.\*

Clay starts appearing already in NE Quad. In Unit 134. it only started appearing later

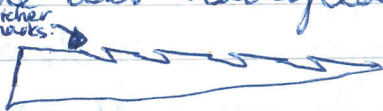
\*Also a rodent disturbance in SW Quad bottom.

on in level 4. But in Unit 117, clay also started appearing in level 3. So perhaps due to sloping reasons of this entire block, different soil types appear at different levels.

The major bone disappears at this level. - similar to 117, but not for adjacent 134 where bone was still appearing at lev. 4.

One note about a rib frag. which I have found in Block D. It was butchered radically. I figured it was similar to a "14b"? (I think it is a different bone) in Unit 134 at Level 3 (I think). This bone also had great butchery marks on it.

Kind of like this diagram:



The bone is in the bone frag. bag at level 3. I believe. Have forgotten which Quad.

Began level 4, SW Quad. Found a core frag, one body shud, some bone frags & FCR(?) ~~but it do~~  
The soil is still the medium brown sandy loam.  
But then I somehow wrenched my back out & due to the "pain & limited freedom of movement"

ended up ~~completing~~ doing soil profiles for Units 137 & 116. Interesting to see how the other units are stratified. The clay appears at a higher level, than the unit 134 I was working in.

July 20 - Wed.

Had a wonderful massage on my back last night by Ian. My back does feel better but still tight & not relaxed. Took it easy this morning by going over the Master Catalogue sheets with Laura. Some problems with one excavator. Organized the field boxes. (may only last one week) Did soil profiles of S & W walls for 117 (Shannon's) On the W-wall, the clay appears at a lower level underneath the Feature #1 with the reddish soil. But it appears higher also, below the reddish soil. therefore I'm not sure what it means.

I made alterations & additions on ~~my~~ S17 profiles of Units 134, 137 & 116.

Checked the Master Cat. list for Ian & Philip's units. Then I began going through all the completed units level sheets and making a list of ceramic rim sherds & other sherds which

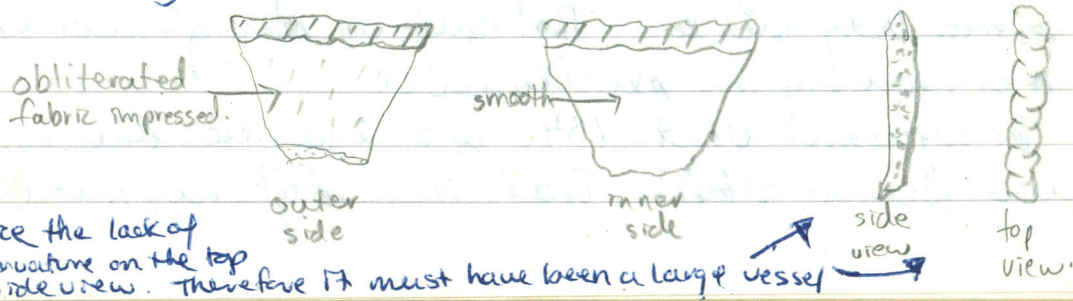


have a prominence on them. In this way, the lab personnel will be able to "pull them" if needed for analysis in a quick & efficient way.

2grenshots heard today - the neighbouring farmer

July 21<sup>st</sup>, 1988 - my birthday. I'm a 1/4 of a century old! Took it easy again today although my back is feeling much better. I checked through all the completed units, in BLOCKE, and made 3 more lists of PROJECTILE PTS, "KINKY STUFF" or shall I say different / exceptional artifacts, and a list for ~~the~~ diagnostic lithics such as scrapers, bifaces, unifaces, blades etc. It's a good way to have an overall view of everything.

I began excavating a little (until Ian dragged me away to do more formwork) while I was excavating, uncovered a beautiful rim sherd. 3 x ~~2~~ cm. Nice rim "trimming"



Died soil profiles on Unit 144 in Block F, (Philip's). Had to do the 4 walls. Not much clay appeared at the bottom of level 5, 25cm BS. That date correspond in my Unit 134, but for North ~~side~~ units of Block E (137, 116, 117...) the clay appeared earlier at 15cm - 20cm.

In Unit 136, Shannon found a biface, KRF. Nice one! It's interesting taking down these 4 units, labelled as Feature #1, to see what other cultural material exists.

( July 22/88.

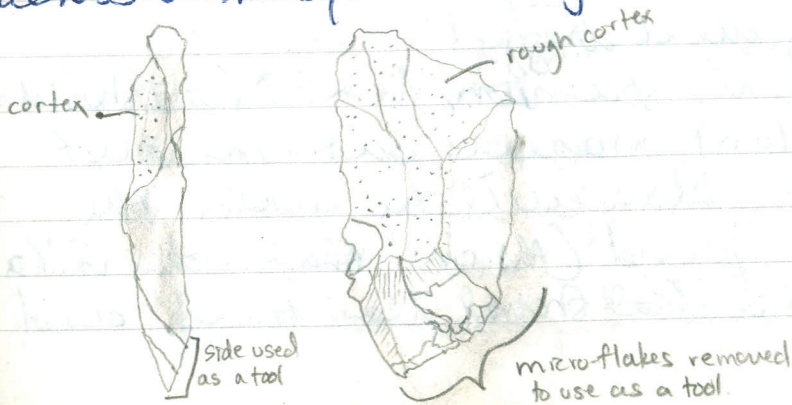
Completed Level 4 (15-20cm BS). Felt great to be able to dig again. As well as completing a level in one day. Not much came out of the level. One plate, 2 other identifiable bone, and only 178 bone frags! That's a drastic drop from level 3 of 695! One core frag found plus 3 flakes of KRF. A iron shield (diagram on previous pg.) and 6 other ceramic body sherds. The soil is now greyed clay & is nearing the sterile level.

In adjacent unit 134, 104 ceramic sherds were found (total)! That is a high number

compared with the other units. A new unit may be opened west of Unit 134 for that season of multi-chamber pieces.

July 25/88 - MONDAY.

A hot day. But I had energy. Finished Level 5 (Cyahos, one level in one day.) Didn't find much at all. Haven't counted the bone frags yet, but drastically reduced from previous level. Underneath the tree roots there were 2 body sheds (quite thick walled & curl-like). The bone frags were mostly found among the roots as well. One molar in SE quad was the only identifiable bone. Also in SE quad was a retouched flake about 5 cm long & looked as tho' it had been used as a tool in some way - scraping across a surface. Diagram #2:



The soil is extremely hard packed & is definitely clay. The quad I found the most difficult to dig in was the NW Quad due to the tree existing there. Tough excavating around those roots!

In adjacent Unit 134, the ~~13~~<sup>13</sup> rocks were bagged (one is  $\frac{1}{2}$  in the west wall) Two of them have been given a prominence because they fit together to form a flat surface. Ian & Bev both looked at it and agree that it could have been used as a milling stone. Bev mentioned that there have been other rocks found that have the same function (milling stone) as well as being used for a hearth, or boiling stones. Multi-purpose.

The other rocks may ~~be~~<sup>be</sup> cultural therefore they were bagged.

This afternoon, Shannon, Ian & I (or I should say Sr. & I helped Ian) measure out the next 2 blocks. One block will be where the scapula was found (the one that looks in  $\frac{1}{2}$  while Ian put a ~~13~~ shovel that they) and

The other block will be between Block D + E northwards in a clearing. Hopefully BKE will be completed this week to start the new units.

July 26/88 - Tuesday

Another hot day! Went down to level 6 in only one quad - SE QUA. Recovered one small bone frag. The general clay is hard packed. Due to time pressure, and the looks of sterile level, only one quad was excavated. Did soil profiles at E/W walls. The clay appears at level 3~~2~~ - 10-15 cm already except for east wall on the south heap, where the clay only appears at 20-25 cm. Level 5 This may correspond to adjacent Unit 124 which had a large rise in it. Perhaps the greater degree of sandy loam is due to this heap.


Disturbance for the Unit is the large tree & major root system extending ~~into the~~ mainly into the west 1/2 of Unit. Bone frags were found in amongst these roots.

Summary of recoveries are as follows:  
 1 proj. pt, 1 uniface tip, 1 retouched flake possibly  
 used as a tool, 3 core frags, 1 rim sherd,  
 a possible rim sherd, body sherds, flakes,  
 WD bone - especially in levels 2+3. These  
 2 levels (2+3) are also classified as the  
 Feature #1 with the Units 136, 117 & 124.  
 There was Fck forming a circle but in  
 this unit, the Fck was "kicked out" from  
 the circle & somewhat scattered in level 2+3.

Both Units 135 & 134 had the highest  
 count of bone frags in level 3. They both  
 dropped 500-400 bone frags each in level 4.  
 Although level 4 in Unit 134 still had many  
 WD bone, while level 4 in Unit 135 did not - was  
 present in level 3.

The aft. was spent helping Ian (Shannon R.) get  
 elevations surrounding the 5 blocks (D, E, F, G, H)  
 Hopefully 2 new blocks will be started this  
 week. I will be starting Unit 124 tomorrow.  
 Have to complete it by Friday. We shall see.  
 I feel like I've bathed in poison ivy because of  
 obtaining elevations. Knee-high plants! *of*

July 27/88 - Wed.

Another hot day! (redundant yes) Finally I began Unit 124. (It's been <sup>over</sup> a month (June 8<sup>th</sup>) when I started it. My how time flies!! Began SE Quad. Uncovered LOTS of stuff: 256 bone frags + 1D bone (rib end, long bone frag possibly humerus, 2<sup>nd</sup> phalanx, rib frag, molar, mandible frag, + perhaps a scapula frag or rib frag) 2 bone frags were not brown but very small "other animal". A retouched flake (a beaut. I think) a tip of a projectile pt. And the interesting ~~the~~ point is the body shard (about 3cm/4cm) is one that Bev has not seen around here. The design on it is ~~about~~ ~~there~~ stamped by use of a stick/paddle. Almost like a "chevron" design. . Once After Bev looked at it, I remembered there was another body shard similar to that. Saw ~~it~~ enough it was similar. No idea of where it comes from (the south?)

A lot of F&C coming up. (9 m SE Quad). Also began NE Quad. & (immediately a scapula appeared on East side of Quad. Quite complete, big + quite ~~but~~ hacked up on one edge. Haven't totally uncovered it. Took 4 photos (2 B/W, 2 color).

Also uncovered a small tooth which is not brown. Perhaps associated with non-brown bone?

Bev + Dan waited. Dan wants a story on this site.

July 28/88 - Thursday.

Woke up to a slight sprinkle of rain. Cleared right up to create a hot humid day. Continued on NE Quad.

Because it is a "Feature Level" ~~the~~ it does not begin at 10 combs, but some areas are higher than that such as 7 combs. This is what is meant by noting on my field catalogue ~~Best~~ Feature Lev. 3. This is a "new" cultural area. Lots of 10 bone & 250 bone frags.

A scapula, nearly complete one side of a mandible, teeth, molars, rib frags, phalany, long bone frags. Found a large body sherd - beautiful piece (diagram next wk). Bev thinks it may fit with Philip's rimsherd in Unit 114(?) or 113(?). Lots of Fch appearing. So far I can't detect any pattern of Fch. Acute a few flakes 15. 13 of them were KRF. One rodent burrow in SE ~~part~~ area of NE Quad. Getting general day ~~is~~ already in north part of quad. That didn't happen in SE Quad.

Bev & Scott Hamelton came by. Took away Ian; to do work at Mullet site.

I'm the only one left at Block B.

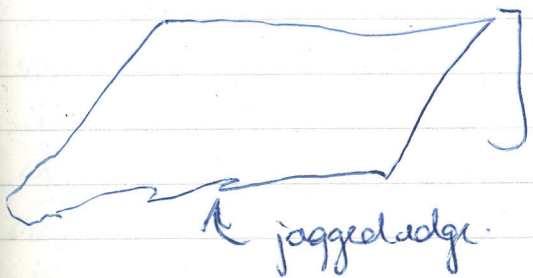


July 29 - Friday.

Wet morning but cleared up to a beautiful day. Netted. Worked on level 3 in NW Quad. <sup>and SW Quad</sup> Lots of bone once again - 241<sup>in NW Quad</sup> including 10 bone such as ribs, long bone frags, humerus frag, mandible/skull frag, molar. Not many flakes, only 3, body sherds, one neck sherd & one fragmented rim sherd (looks like Blackduck - highly decorated - cord-impressed & wrapped (?)) Quite a few FCR. One has 2 flat sides with one being more smooth than the other side. Perhaps used as ~~as a~~ a milling stone or an anvil, as well as a boiling stone.

Some charcoal spots in the soil, including a couple chunks (small) of burnt wood. Perhaps root burn because there is decaying wood & tree next in the Unit or perhaps it is associated with the FCR. #53

One bone frag ~~#16~~ has a strange shape that may be created ~~from~~ by a human.



this end looks shaped for a foot use as perforation.

This is found in SW Quad, STYL excavating in " "

August 2/88 - Tuesday

Continued on Level 3, SW Quad. More bone plus a fragment of a projectile pt, with the sick breakoff. (Quartzite). Finished (FINALLY) level 3.

Summary: 1 projectile point, 1 proj. pt. tip, 1 attached flake, 1 iron shield, 2 neck sherds, 1 cone frag, (2 or 3 body sherds that have a different pattern on them that Bev. hasn't seen around). Other body sherds & flakes. Lots of 10 bone (mandible, molar, scapula, rib frags, phalange, fibra (humerus) Also FCR.

~~then~~

Started level 4 - SE Quad. - 8 Lithic, 9 Ceramic (body sherds) & ~~at~~ 225 bone & frags. (phalange, mandible frag & non-bison bone frags) & 1 "large" FCR. The soil is still med.-brown & sandy-like with patches of clay. Difficult to get "even floor" because the soil comes out in lumps. Disturbed? Cicada holes?

August 3<sup>rd</sup>, 1988, Wednesday.

Cool, breezy day. Did NE + NW Quads today. Amazing how artifacts + bone count have dropped!

NE - 2 Lithic, 3 Ceramic, 54 bone frags

NW - 1 Lithic, 1 Ceramic, 58 " "

How strange that these 2 Quads differ drastically from SE Quad with 225 bone frags. Bev, who came by (details later) said that it's a good possibility that the SE Quad which had that hump was an ant-hill (an old one) Makes good sense. Also explains why that Quad is giving a higher count of artifacts than the NE.

Another mandible frag + 2 teeth uncovered. There were also many small fragments that I think are mandible that ~~we~~ were uncovered in ~~SE~~ SE area of NE Quad. A rodent disturbance was also there. 2 new FEL in NE Quad. but looks like things are winding down.

New the exciting news; CKX (Dorrie Duke) came & gave us all a thrill. Pictures & mini interviews. Bev & I were interviewed at a lengthier time. Then ~~we~~ we were on the 6:00 evening news. Shall also be on faith at 11:00.

Just got a copy of Echo. made news again. Photo  
EE!

Aug. 4/88

Finished level 4 - Unit 124. (15-20cm BS)

Lithic - 14

Ceramic - 21

Bone Frogs - 504

The SE Quad was the highest count, as well as SW Quads. Probably due to "the humps" being an ant disturbance & bringing up the bone. Also 2 rodent disturbances in SE Quad. which may also add to the high count.

NE Quad has a rodent disturbance as well. The soil in SE Quad is really clumpy. (comes out in humps. It's actually quite an ugly floor).

Started level 5- in SE & NE Quads. SE still has a loose & clumpy soil texture. Dead roots, dead bones, rodent disturbance, ant disturbance etc. gravel stones. One core frog furch. 3 body sheds, 91 bone frogs with one ID bone.

NE Quad has 21 CB - only 8 small bone frogs.

The bone in this quad looks very weathered. Different than above bone. Possibly due to a previous earlier occupation.

Aug. 5/88

Hot but breezy day. This IS A DAY TO REMEMBER, for me... I'm leaving BLOCK E Area! Finished up levels 5 & 6 in ~~the~~ infamous unit 124. Very much rodent & ant disturbance, especially in SE & SW Quads. & NE Quad. The soil is a mixture of glacial clay, sandy loam & gravel stones. In level 5 summary: one cow frag (SE Quad), 4 body sheds, 131 bone frags including one identifiable bone. In level 6, only excavated S $\frac{1}{2}$  (SE & SW Quads.) Uncovered 2 body sheds & 35 bone frags. Due to the little amount found, time pressure & more "new" area to excavate, Unit 124 is terminated. Ian helped dig (shovel) SW Quad to make time. No soil profiles for Unit 124.

Moved to BLOCK H! Working in Unit 181. Ian is in Unit 180. He's starting Level 2 (5-10cm). I only began NW Quad (nearly finished it by the time 3:00 came round). Found a few bone frags, & a rib frag. 4 body sheds so far.

Ian says this area "smells good" So let's hope Feature #1 appears!

A very hot day.

Aug. 10/1888.

On Mon + Tues. whole crew drove out to Estevan to visit the Sanderson site. Got a tour of the extensive area that they're digging. Stayed overnight. Looked at ~~sites~~ rocks & would use surface collected a field on the way home. Worthwhile trip, but the archaeological site is not very clear to my understanding.

Today I finished up level 1 in Unit 181. Discovered 4 lithic including a biface. 19 ceramics including 2 rim sherds - and 228 bone frags - majority of them unidentifiable. Some bits of charcoal, the soil is reddish in some areas (SE Quad). In adjacent unit 180, I ~~found~~ found a seed which was burnt. Possibly a recent burning or perhaps associated with his FCR & bone. I also found a shell ~~bits~~ of a seed burnt. I figured it was a recent burning.

In level 2, some FCR are appearing, and larger bone.

See Page 30 for diagrams of 2 rim sherds & the biface.

Aug. 11/88 - Thursday

Continued on level 2 in NW Quad. FEL & A bone appearing. (skull frags) One "rock" turns out to be a hammerstone with the groove ~~down~~ around the center.

Apparently only one other one <sup>was</sup> found in situ, at the Stott Site, in southern Manitoka. That's exciting!  
It goes down to level 3. Found a rim sherd in NW Quad which fits together with a RS in SW Quad! Diagonal impressions on top of rim. \*

There is a dead root in NW Quad which softens the near surrounding soil. In SW Quad, soft soil is also present. Strange. Is this due to the dead root system? Culturally? I think it has something to do with the roots. There were a few smaller roots in SW Quad which give the surrounding area softer soil as well.

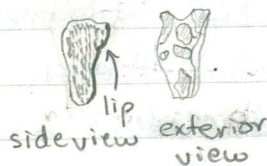
In NE Quad, more bone coming up. Soil is sandy loam. Lots of small ceramic body sherds.

There is a slight central rise in the unit, most likely due to the tree (dead).

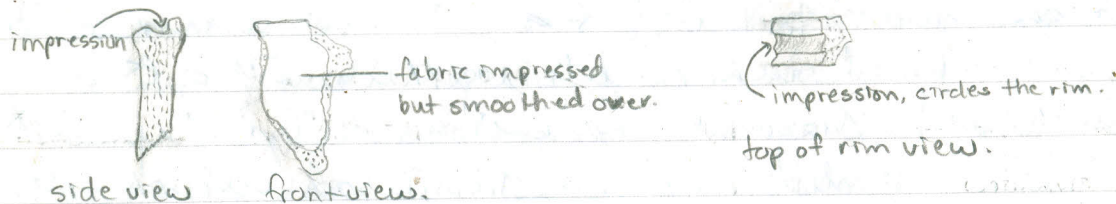
Laura uncovered a major bone bed with a skull complete with horns.

\* see page 39 for diagrams of rim sherds.

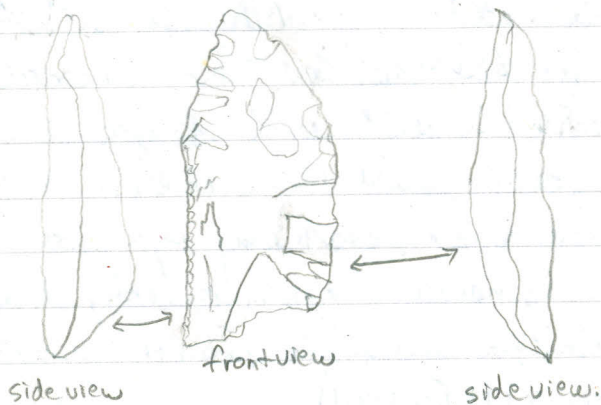
Rim sherd - NE Quad, Level 1, screen find Bag #8. Unit 181



Rim sherd - NE Quad, Level 1, screen find Bag #9 Unit 181.



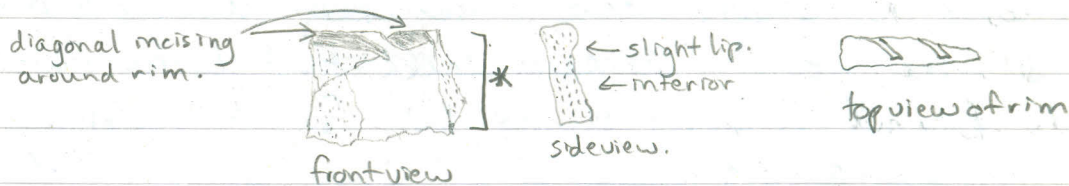
Biface - SW Quad, Level 1 Bag #10 Unit 181



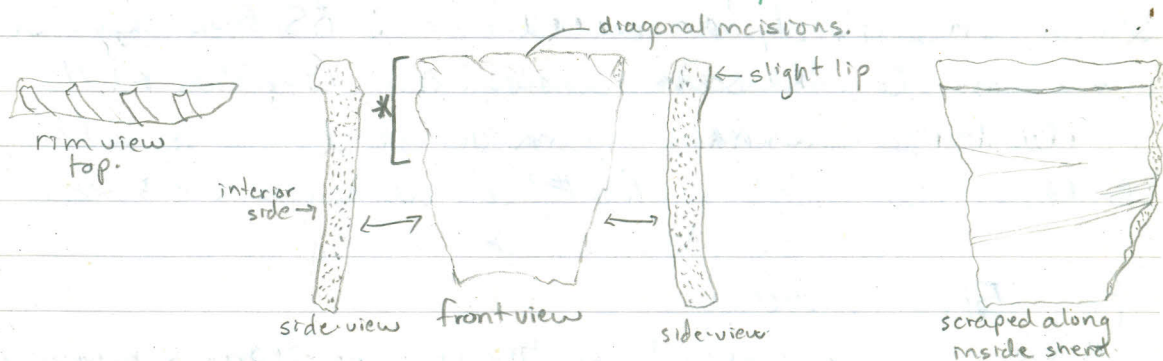
- well worn biface
- originally much larger and gradually retouched to this small size.
- lunate biface.



Rim sherd - NW Quad, Level 2 Unit 181 Bag #2.



Rim sherd - SW Quad - 8cm BS. Bag #11.



\* these 2 sides piece together.

40. (~~Box 1~~ ~~Box 2~~ ~~Box 3~~ ~~Box 4~~)

Aug. 12/88.

Finished NE Quad. Basic mammals BS, lithic & bone frags were found. A seed shell that looks burnt can found a seed burnt too. So these may be recent or not.

In SE Quad, more bone appearing. A large humerus coming up, more BS. A possible neck shield uncovered, as well as 2 BS that appear similar to the same vessel as Bag #2 & #11.

In Unit 180, another non shield looks similar to these as well. BS #1 in level 3, Unit 180

Aug. 15/88 - Monday

A sleepy/warm day. Need to catch up from the week-end. Finished Level 2 (5-10) in Unit 181. Took a flotation

sample from SE Quad because of the appearance of charcoal bits. Spent about 1 hour doing the float.

Sample. So far, no "large" pieces of charcoal. Need to wait for the soil dries. 10 bone recovered:

humerus, rib frags, mandible frag, skull frag, 2 phalanges, one scapula frag, and many small unidentifiable bone frags. A lot of charcoal,

especially BS, came up. 2 rim sherds, (which fit together) a possible neck shield, a small can

Took a  
C14 sample  
from level 2  
using a hammering  
frog.

41.

frogs & using ~~the~~ few flakes found. The small  
FCK does not ~~seem~~ have a pattern so far in this  
unit.

Started level 3, NW Quad. Hammerstone  
will be able to be removed in this level. It's  
broken on one ~~left~~ side. An incisor  
is appearing as well as another part of the  
pelvic area. A couple teeth were removed.  
Neither is almost all in this quad at this  
level. One flake so far which <sup>is not</sup> be cultured.  
The soil is still the sandy loam.

August 16/88.

Cool, breezy day. Continued in NW Quad at level 3.  
FCK in both SW & NW Quads. 2 major bone pieces are  
appearing. Somewhere in the pelvic region -  
perhaps as thoracic or lumbar vertebrae, or a  
pelvic bone (ilium?) Tentative when I go to the lab.  
I hope to find out by the comparative collection.  
No major bone in SW Quad. 3 frogs are in a  
vertical position. Bits of charcoal here & there.  
Burnt wood, as well as ~~the~~ bone ~~pieces~~ are appearing  
occasionally. In adjacent unit 180, Tan found

a patch of ash in southern part of unit (SE Quad)

Still working on NE Quad. Another long bone appearing. Also body sherds found thru-out level. But doesn't seem to be as numerous as previous level 2.

August 17/88 - Wed.

Completed Level 3 (10-15 cm BS) in unit 181. The soil is the sandy loam / med-brown with slight patches of clay. There are also small patches of grey ash y stuff. Very shallow (~5 cm) The areas are in the SE & NE quads. There are several bits of charcoal chunks thru-out level. About 20 in total I'd say, and about .5-1 cm square.

Also found a little piece of red ochre + 2 specks of that red colour in the level.

Artifacts recovered: hammerstone (broken on one side) a few flakes (12 total) lots of ceramic body sherds (67 in total) including a neck sherd. The bone frags here more or less stayed the same in number as level 2 - averaging 150 in each quad.

Took another C<sub>14</sub> sample ~~in~~ with a humerus

frag. large vertebrae are still in situ going into level 4. - cervical, atlas(?), lumbar perhaps or thoracic. Other ID bone such as rib frags, mandible frags, teeth, skull or scapula frags. Some bone is calcinated/burnt.

Jan's Unit 180 has the ash layer going thru level 4 in SW Quad. He also found few bone frags & a burnt seed in that area which ~~suggests~~ is further evidence of a hearth.

August 18/88 - Thursday.

Cool great day for excavation. Began the ~~day~~ day by finishing off sifting thru the flotation sample. Found small ~~bits~~ bits of charcoal/carbon, as well as ceramic BS, small bone frags & small flakes. Some soil is left unsifted & will be (hopefully) processed in the lab.

Started level 4 (15-20cm BS) in Unit 181. The bone count & ceramic count has dropped. The major ID bone ~~is~~ is going out in this level. The ID bone is vertebrae of some sort.

Found a non shield - similar diagonal incisions as other BS. we've been finding (180, 182, 185).  
Units:

This level appears to be becoming sterile. Unit 180 (Clan) is hitting sterile, the clay is coming up. Charcoal bits are still appearing. Speck's 'ot red ochre appeared in SE Quad.

Aug. 19/88 - FRIDAY.

Cool day. Warmed up in aft. Finished level 4 (15-20) in Unit 181. The soil bottomed out to tan glacial clay. A large FCR just beginning to appear in NW Quad. Removed all the large ID bone - axis, cervical, atlas, mandible frags. Looks like they are all associated. Perhaps <sup>the</sup> skull of the bison is near here too. The cervical - axis - atlas were in that order, at the same depth (16-17cm BS) in a line from the NE Quad → NW Quad. therefore, the skull may be in the adjacent unopened unit to the west. Who knows?

Also found a cervical vertebrae that looked non-bison-like a canine vertebrae. In level 3, there was a mandible frag. that also appears as a non-bison - perhaps canine. therefore these 2 bones may be associated. In adjacent unit 182, Margaret found a vertebrae which

~~Unit 181~~

again doctored non-bison (small). So may be associated with the other two. The found their ultimate in level 3 in NE Quad. My mandible was in lev. 3 as well in NE Quad, but the rest was in level 4, also in "

Found another RS which looks like it's from the same vessel as #2 + #11 in level 2.

Several specks of red ochre still were apparent in the level, as well as small chunks of charcoal.

The bone count, ceramic count & lithic count all decreased from previous level.

lithic: 3

In level 3 lithic: 12

ceramic: 20

ceramic: 67

bone: 376.

bone: 617.

I will open up 2 more quads - NW & SE Quads to verify the stratigraphy of this Unit.

Aug. 22/88

Finished off Unit 181 - Didn't excavate SE Quad at level 5, just NW. Revealed 10 bone frags.

Completed level Summary: \* 5 RS, 2 NS, body sherd. 1 core frag, 1 biface, 1 hammerstone, flakes,

small unidentifiable bone frags + some identifiable bone (vertebrae, rib, humerus, mandible, phalanx, sesamoid teeth, ...)

In the soil profile, a dark-brown band stretching 40 cm across at approx. 5 cm depth appears. Could this be the leeching out of the humus layer?

In the NW Quad, a large rock appears extending a little ways into the NE Quad.

Opened up a new unit, 177, adjacent to 181. There's a rise in the SW Quad. The soil is also a different consistency - more hard-packed like clay. Comes out in chunks. Perhaps what? an old ant hill? There ~~is~~ <sup>are</sup> also very little bone frags in that quad + no ceramics or lithics, in level 1. Total count in level 1: lithic 0, ceramic 15, bone frags 17. One rim sherd, with "fluted edge".

In level 2, finished NE Quad + began SE Quad. Bone frags + ceramics have increased so far. FCL appearing in ~~SE Quad~~.



Aug: 23/88 - Tuesday

Cool, breezy but sunny day. Started off overcast & gloomy. Completed level 2 (5-10cm) in Unit 177.

Total count of lithics: 5

ceramics: 35

bone: 282

What a difference from Unit 181 in same level. (ceramic 91, bone 587 + lithic 1) Phelps in adjacent Unit 178 also found comparatively the same number of ceramic & bone as Unit 177.

Jan, Unit 176, also is finding less ceramics. So it appears that these 3 units may be showing the limits of whatever was in the units 181, 182, 185 - ~~etc~~

The soil in SW Quad is more sandy than other 3 quads, also more grass roots. This must be some kind of disturbance although there is very few artifacts & bone coming out. A disturbance would usually have more artifacts/bone, rather than a less amount.

Began level 3 (10-15cm) The soil is still sandy loam. A little strange because in Unit 181 there were clay patches appearing already in lev. 3.

48.

Ceramics are still high in number in NE Quad with 19, but drops to 2 in SE. Bone count down to 73 + 60 (NE + SE). Withers are still few (1 + 2).

Perhaps the soil is still sandy & no patches of clay because of the slope / slant. Black it is located in.

August 24/88.

Cool, sunny day. Warmup in aft. Completed level 3 (10-15) in Unit 177. Philip do well. We are "neck in neck" with excavating. Actually it works really well, when adjacent units are being excavated simultaneously. One can see the natural layout in a wider scope.

Not much revealed in this level - 10 bone were 3 phalange, rib frag, metapodial frag and a horn & skull frag is appearing bounding 177 + 178. One rim sherd found - fluted edge, and 29 body sherds. Decreasing from previous level. This also happened in Unit 181 where the highest count was found in level 2.

In Philip's 178, he also has a decreased number of ceramics from previous level, although he

also has more ID bone in Lev. 3. than Lev. 2.  
Took a couple colour pictures of the horn  
in situ.

Began level 4. Completed East  $\frac{1}{2}$ . The bone  
count & ceramic count fluctuate. The bone  
count is decreasing only a little (73/63 NE/SE  
to 60/61 NE/SE) from lev. 3. lev. 4 the ceramics  
decreased in NE Quad from 19 to 4 but increased  
in SE Quad from 2 to 7. There doesn't seem  
to be ~~much~~ a lot of ID bone. The soil is  
definitely clay in this level.

A small area of light grey colour / ashy  
appears on floor in NE. Redent? Diff. clay  
type? Burn mark?

Also I have been finding small charcoal  
specks & a couple charcoal chunks. Similar  
to Mar 191.

August 25/88.

Cool day, warmed up by noon. Completed lev. 4  
in Unit 177. Took a little while due to the pair  
of horns & skull in NW Quad. Appears that there  
is a left & right to the horns. The top part of the

skull & horn was facing up in horn B#25 while B#26 the top of skull was facing down. Can think B#25 is the left horn while B#26 is the right. Philip thought differently and I don't know. Margaret in Unit 182 found a horn frag in level 5. Could fit onto B#26 since B#26 is broken. Both horn tips are broken off. Margaret, Philip & myself have been finding skull frags in Units 182, 178 & 177 respectively. Same bison - with a pair of horns & smashed skull? Probably.

I also had a non-bison long bone frag - looked canine. ~~interesting~~ May be associated with a non-bison mandible & vertebrae in Unit 177 & ~~canine~~ non-bison long bones in Unit 185 (Shannon's) & May's 182 had a non-bison vertebrae. All could be same animal such as a canine. (dog? or wolf?)

The SW Quad appears as a disturbance - an old ant hill. There are holes & puck marks at level floor. Similar appearance as Block E - Unit 124 with ant hill. That

could explain why the bone & ceramic count increased ~~to~~ at later levels (3 & 4) as compared to rest of unit. There is still major ID bone in floor in SW Quad.

August 26/88 - FRIDAY.

Cool day. Overcast. Completed Unit 177. Went down to level 6 in West 1/2. Sterile except for 14 bone frags. Level 5 yield:

3 lithic

5 ceramic

170 bone frags.

The SW Quad still shows any hill disturbance. The soil is full of holes. Clay begins to appear here at approx. 30 cm. depth. A red dirt disturbance also appears in middle of South 1/2 of Unit, at level 5-6.

I guess the "ashy patch" in NE Quad at lev. # 4 & 5 was the glacial clay appearing.

Still a few specks of red ~~and~~ ochre in lev. 5. present.

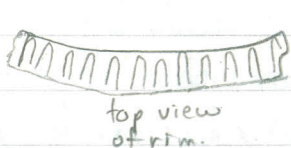
Philop's unit 178 is also sterile at lev. 6.

He's opening another unit. Level too probably.

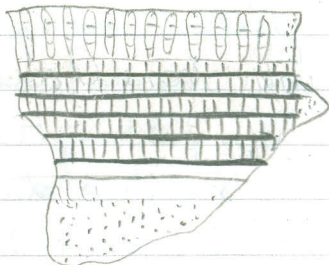
August 29/88 Monday.

COLD morning & humid level. Warmed up in afternoon. Our crew has dwindled to only 3 Shannon, Ian & myself. The rest are in the lab. So we have to finish up here. I'm in Margaret's unit 145 in BLOCK F. Some confusion in the beginning - The level were in 10cm. rather than 5cm. So had to change that to 5cm levels. But levels 1-2 are catalogued together & can't be 'undone' as well as @ NW Quad which has been catalogued combining levels 3+4. I began level 3 for the other 3 quads (NE/SE/SW) & level 4. Not finding a whole lot. For level 3, averaging about 75 bone frags for each quad, 1 flake per quad & ceramics so are ~~tot~~ between 0-5 body-shards. There was a heat. of a rim shard in level 4 in NW Quad. Cord-wrapped with vertical lines on the tip of rim. Some ID bone (caval, skull frags, long bone frags.) The soil is different here than in BLOCK E or H. There is a lot more gravel here. It's quite loose soil, lots of dead tree roots & gravel.

I'm actually on a search for the hidden scapula. Part of a scapula was found in the N wall - and the rest is to be found!



top view  
of rim.



side-view.

Bag #16

Unit 145 - level 4.

August 30/88 - Tuesday.

Cool day in morning, but quickly warmed up. This weather is great for excavating. Continued on level 4 in Unit 145. The soil is really gravelly. Some (pseudo?) FCR appeared in NW quad. A rodent disturbance in center of South wall, but doesn't extend very much into unit. I also disturbed a whole colony of small rodents in the SE quad. Poor fellows. Have no idea where they disappeared to. Didn't find much in this level either: lithics - 2 flakes

ceramic - 1 BS.

bone - 148 including

ID bone such as a sesamoid. tooth frag, a non-bison

(possibly rodent) mandible frag, & either a skull or mandible frag too.

Completed level 5 (20-25cm) No ceramics or lithics. The bone frags. count was down to 117 with ~~most~~ 53 frags coming from SW Quad. 2 other identifiable bone frags coming up here too. Because of this, I'm going down another level in the SW Quad only. The soil remains the same loose, gravelly stuff with patches of lighter soil. This lighter soil is apparently what Block F bottoms out to.

Excavated SW Quad to level 6 (25-30cm BS). Nothing in it except 11 bone frags & 2 ID bone (axis and long bone end). The soil is still that strange loose, light brown gravelly stuff. Dead tree roots at bottom. \* The axis ~~was~~ bone was embedded in the west wall, so it was "poked out".

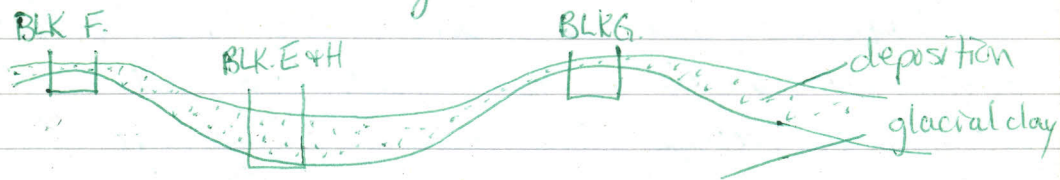
Glad this Unit 145 is done. Just have to do profile & summary tomorrow. No time today.



August 31/88 - WEDNESDAY -

Finished up Unit 145, BLOCK F, Did the summary & South wall profile. The humus layer is approx. 1-3 cm. thick, then there's a 20 cm. ledge of sandy-loose, gravelly medium-brown soil. Don't know if this soil is same stuff as in BLOCK E or H. It's not the same ~~exact~~ consistency as E or H but maybe the cultural stuff (bones & artifacts) are contemporaneous. Then there's lighter <sup>brown</sup> gravelly soil coming up at approx. 20 cm BS. This is different than the tan, glacial clay. Ian was describing this as: BLOCK F & G are on higher plateaus while BLK E & H are in the lower valley. The glacial till makes high/low areas. ~~So the glacial~~ ~~stones~~ As the glacial runoff flows down into the lower areas, the gravel stones & larger pebbles remain on the upper levels while the apt, sandy, fine granular soil is sifted down to the lower levels. Therefore E & H receive this fine soil and less gravel, while Blk. F & G remain with the gravel. But what is the glacial runoff? Is this during the ice age & the

run-off is the melting ice? Or is <sup>the</sup> run-off from snow, rain & ~~moisture~~ moisture from the air? Not sure if I entirely grasp this idea. Here's a diagram:



Well, Ian doesn't really know either. (and he doesn't care - quote from him.)

~~Blacked~~ Took down the bulk in BLK F. Just bone frags & 1 lithic (flake). Then moved to BLK E & took down 2 more bulks. **HARD CLAY!!**  
 Found bone, an ID bone (skull frag)             
 and a tooth, and body shreds, some flakes. In the bulk I'm presently working on now there was a large preform/blade in Unit 13. at 3 cm BS. Possibly a rodent came along & moved it upward. Bev came by this aft. Toured the site.

114	↑	113
119		120

September 1, 1988 - Thursday.

What a warm day! Pretty lathargic. I was working on the bulks, but felt so drabby. But we're done!

Shannon just has 2 more levels, maybe 3, top.

There's not a whole lot in them - bone frags,

2 or three BS at the most, one or 2 flakes

lan was digging out gopher holes.

Now we will have a whole day of backfilling tomorrow! Fun - fun.

Ben was out here, with Mr. Robinson. Looked at the site, had lunch with us, & left.

Things are coming to an end.

Bulks - BLOCK F -

BLOCK E -

Aug. 31

"

Sept. 1

pg. 56

"

pg. 57.

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