

ARTIFACTS

The geological properties of the hundreds of artefacts examined for the Deep Time project are valuable parts of the story that Deep Time has sought to unearth. Importantly, identifying the makeup of each tool can perhaps grant them a sense of original place that cannot be easily determined from their final resting place alone. Each artefact was observed under hand lens magnification, with characteristics such as mineral composition, grain size, and fracture geometry indicating the type of rock from which it was composed. This process was completed over several weeks with contributions by Maxine Park, a fellow graduate geologist from the University of Newcastle.

Most prominent among our findings was the prevalence of Nobby's Tuff, which aligns with our expectations of the Newcastle area once being a key centre of tool manufacturing in the region. Nobby's Tuff is fortunately quite distinctive, bearing chemical alterations that make it similar to chert or flint – ideal for toolmaking. Other rock types are far more difficult to place geographically with any degree of certainty, but do indicate a wise use of different materials for their most suitable purposes. Unfortunately, the hypothesis that some rock types indicate trade with other Indigenous nations would likely require confirmation via thin section analysis – a procedure that would damage the artefacts and disrespect the living memory they represent.

BOX PR09 A: Spit 1-3

PR09 SQA1 Spit 1 (14/8/09): Nobbys tuff. Smaller tools are chert-like ("Merewether Chert" – a chemically altered part of Nobbys Tuff).

PR09 SQA1 Spit 1-1 (14/8/09): Shaped glass fragment. Probably originally from bottle, given curvature.

PR09 SQA1 Spit 1 (14/8/09):

- #1: The tuff used to manufacture this tool contains vesicles, which may be useful for indicating its place within the overall stratigraphy.
- #2: Nobbys Tuff. Appears to be somewhat cherty.

PR09 SQA1 Spit 3 (14/8/09):

- 1/2: Nobbys Tuff.
- 2/2: Nobbys Tuff, pink discolouration perhaps caused by fluid transport

PR09 SQA2 Spit 1-1 (14/8/09): Nobbys Tuff

PR09 SQA2 Spit 1-2 (14/8/09): White and grey fragments are Nobbys Tuff. Green fragments are olive green mudstone (possibly Devonian Barraba Mudstone facies).

PR09 SQA2 Spit 3 (14/8/09): Nobbys Tuff (light grey) and what appears to be charcoal fragments.

PR09 SQA3 Spit 1 (13/8/09): Most tools definitely Nobbys Tuff. Small reddish tools probably just tuff stained by processes of weathering.

PR09 SQA3 Spit 2 (13/8/09): Nobbys Tuff

PR09 SQA4 Spit 1 (13/8/09): Fascinating tool marks. Extremely fine grain size and obvious ashy matrix indicate Nobbys Tuff.

PR09 SQA4 Spit 2 (13/8/09): Nobbys Tuff

PR09 SQA4 Spit 3 (13/8/09):

Archive Notes & Observations

- 1/3: Ferrous siltstone
- 2/3: Pumice.
- 3/3: Pumice.

PR09 SQA5 Spit 1 Stone (13/8/09): Bright red, oxidised iron coating. Nobbys Tuff that has been chemically altered and has sub-conchoidal fractures.

PR09 SQA5 Spit 3 (13/8/09): Appears to be a heavily oxidised piece of iron. Is quite dense.

PR09 SQA6 Spit 2 (13/8/09): Nobby's tuff. Fine curvature manufactured, not naturally conchoidal.

PR09 SQA6 Spit 3 (13/8/09): Classic example of Nobbys Tuff. Pale golden-grey ash deposit.

PR09 SQA7 Spit 1 (12/8/09): Nobbys Tuff. Larger tool is grey with interesting serrated edge and rounded back. Smaller, more acicular tool is reddish and clearly shows laminations from a cyclical deposition.

PR09 SQA8 Spit 1 (12/8/09):

- A8: Several different tools varying in size. Smaller blade-like tools are conchoidal fragments of a larger cherty material, while larger tools are tuff.
- A8-01: Large reddish cherty tool with substantial rounding and possible (?) conchoidal fracturing ("Merewether Chert")
- A8-02: Medium light grey tool with areas of golden staining. Tuff with weathered fractures.

PR09 SQA8 Spit 3 (12/8/09): Nobbys Tuff.

PR09 SQA9 Spit 1 (Shatter not Artifact) (19/8/09): Nobbys Tuff.

PR09 SQA9 Spit 1 (Pipe) (19/8/09): Concrete piping – clear curvature.

PR09 SQA9 Spit 2 (Shatter Conjoin 5): Shattered modern material.

PR09 SQA9 Spit 2 (Shatter): Shattered modern material.

PR09 SQA9 Spit 3 (20/8/09): Many small to medium fragments of Nobbys Tuff.

PR09 SQA10 Spit 3 (21/8/09): Many small to medium fragments of Nobbys Tuff. Some demonstrate fine serrated edge.

PR09 SQA11 Spit 1 (H Shatter) (24/8/09): Shattered object (Ceramic? Concrete?)

PR09 SQA11 Spit 1 (24/8/09): Most likely Nobbys Tuff

PR09 SQA11 Spit 2 (24/8/09):

- Main Bag: Dark grey. Possibly Nobbys Tuff. No conchoidal fracturing.
- "NA": Nobbys Tuff

PR09 SQA11 Spit 2 (24/8/09):

- 2/4: Probably Nobbys Tuff. Medium grey colour is uncommon, but fracturing is representative.
- 3/4: Broken Hammer Stone. Igneous texture. Presence of crystallised greenish minerals confirms this origin (need hand lens examination). Density feels higher than Nobbys Tuff. Medium-grey and mottled in appearance.

Archive Notes & Observations

- 4/4: Nobby's tuff – quintessential texture and fracturing.

PR09 SQA12 Spit 1 (25/8/09): Low-density rock with mottled grains (or possibly dirt? Unclear). Probably Nobbys Tuff.

PR09 SQA12 Spit 2 (25/8/09):

- 1/2: Smaller tools all clearly Nobbys Tuff. Larger tool also possibly Nobbys Tuff, but feels denser and has a very red discolouration – both may be due to penetration and oxidising of ferric iron solution.
- 2/2: Nobbys Tuff. Possibly also contains concrete fragments.

PR09 SQA12 Spit 3 (24/08/09): Nobbys Tuff.

PR09 SQA13 Spit 2 (26/8/09): Mottled appearance is unusual for tuff (possibly concrete?).

PR09 SQA14 Spit 2 (27/8/09): Nobbys Tuff. Very clear oxidised iron lamination in one tool fragment.

PR09 SQA14 Spit 3 (28/8/09): Nobbys Tuff.

PR09 A14 Spit 3 (28/08/09):

- 1/3: Nobbys Tuff.
- 2/3: Nobbys Tuff.
- 3/3: Hammer tool. Medium-coarse grained sandstone. Probably Waratah Sandstone, but need sample for comparison.

PR09 SQA15 Spit 2: Plant matter (bark or part of large leaf).

PR09 SQA15 Spit 2 (28/8/09):

- 2/2: Nobbys Tuff. Some fragments display fine laminations, showing changes in ash deposition.

PR09 SQA15 Spit 3 (28/8/09):

- 1/2: Nobbys Tuff.
- 2/2: Nobbys Tuff.

PR09 SQA16 Spit 1 (25/08/09): Nobbys Tuff. Pyramidal tool has incredibly fine serrated edge.

PR09 SQA16 Spit 2 (26/8/09): Nobbys Tuff.

PR09 SQA16 Spit 3 (26/8/09): Nobbys Tuff. Beautiful small fragment that accentuates lamination.

PR09 SQA1 Spit 2 (14/8/09): Nobbys Tuff.

SMALLER TOOLS PR09 A SPIT 1-3

PR09 SQABC12 Surface (26/8/09): Nobbys Tuff. Acicular, fracture edges weathering.

PR09 SQA2 Spit 3: Nobbys Tuff. Classic colour, texture and fracturing.

PR09 SQA6 Spit 3 (13/8/09) core: Nobbys Tuff.

PR09 SQA8 Spit 3:

- 1/2: Nobbys Tuff.
- 2/2: Single Bondi Point. Nobbys Tuff.

Archive Notes & Observations

PR09 SQA9 Spit 3: Large Bondi Point. Nobbys Tuff.

PR09 SQA10 Spit 2 (21/8/09): Nobbys Tuff.

PR09 SQA11 Spit 2: Nobbys Tuff, demonstrates conchoidal fracturing.

PR09 SQA11 Spit 3:

- 1: Nobbys Tuff.
- 2 (“not recorded”): Red conglomerate + Nobbys Tuff.
- 3: Nobbys Tuff.

PR09 SQA11 Spit 3 (Shattered Artifacts): Nobbys Tuff.

PR09 SQA12 Spit 2: Nobbys Tuff

PR09 SQA12 Spit 3: Nobbys Tuff.

PR09 SQA12 Spit 3 (25/8/09):

- 1: Nobbys Tuff.
- 2: Nobbys Tuff.

PR09 SQA13 Spit 2: Nobbys Tuff.

PR09 SQA14 Spit 2: Nobbys Tuff.

PR09 SQA14 Spit 3:

- 1: Nobbys Tuff.
- 2: Nobbys Tuff – larger bladed tool. Weathered.

PR09 SQA15 Spit 2 (28/8/09):

- 1: Nobbys Tuff.
- 2: Nobbys Tuff.

PR09 SQA13 Spit 3: Nobbys Tuff.

PR09 SQA16 Spit 2: Nobbys Tuff.

BOX PR09 A: SPIT 4-6

PR09 A1 Spit 4 (Conjoin 3, #278/279): Nobbys Tuff – obvious from texture and fracture.

PR09 A1 Spit 4 (CF, 253): Red colour with yellow mottling. Conchoidal fracturing. Nobbys Tuff.

PR09 A1 Spit 6 (18/8/09): Nobbys Tuff

PR09 A3 Spit 6 (18/8/09):

- 1/2: Conchoidal fracture is evident despite small size of some artifacts. Nobbys Tuff.
- 2/2 “Manutuff”: Serrated surfaces and fracturing indicate Nobbys Tuff

PR09 A2 Spit 5 (17/8/09): Entire bag has characteristics of sandstone. Requires closer examination.

- 1/2: Nobbys Tuff. Unusual presence of vesicles.
- 2/2: All 3 samples demonstrate the fractures of tuff. Nobbys Tuff.

PR09 A3 Spit 5 (14/8/09): Conchoidal fracturing is fantastic in these samples – the entire concavity can be observed. Nobbys Tuff.

PR09 A4 Spit 5 (17/8/09): Despite variations in colour, uniform fracture patterns across all tool samples points to Nobbys Tuff.

PR09 A4 Spit 6 (18/8/09):

- 1/3: Large stone appears at first glance to be a hammer stone, but is of very low density – perhaps too low for such a purpose. Possibly a volcanic bomb - an eroded sample of unusually airtight pumice, perhaps.
- 2/3: Nobbys Tuff.
- 3/3 (“Ochre?”): Earthy fracture indicates a sandstone/claystone. Likely a claystone from the Tomago Coal Measures.
- 4 (Weathered Tuff): Eroded pieces that are still recognisably Nobbys Tuff.
- 5: Larger pieces virtually identical to 4.

PR09 A5 Spit 5 (14/8/09): Heavily dirt-encrusted and eroded, but clear convex shapes demonstrate conchoidal fracture of Nobbys Tuff.

PR09 A5 Spit 6 (17/8/09): Nobbys Tuff. Characteristic fracturing has been used to produce sickle-shaped tools.

PR09 A6 Spit 4 (13/8/09): Conchoidal fracturing – tuff. Vesicles present in larger tool.

PR09 A6 Spit 6 (17/8/09):

- 1/2: Conchoidal fracture clear in 2 smaller tools, but less clear in larger one – possibly due to erosion. Tools are heavily dirt-encrusted, preventing examination of texture. Most likely Nobbys Tuff.
- 2/2 (“Mantuff”): heavily eroded Nobbys Tuff

PR09 A7 Spit 5 (14/8/09): Serrated. Very likely dirt-encrusted Nobbys Tuff.

PR09 A8 Spit 4: Several different objects, so have split into sub-bags.

- (Rusted object): possibly a nail, based upon shape.
- (Nobbys Tuff): shaped tools that are clearly Nobbys Tuff due to texture and fracture.
- (Tomago Claystone): earth fracture, ochre colour.

Archive Notes & Observations

PR09 A9 Spit 4 (20/8/09):

- 1/11: These tools not only display conchoidal fracturing, but also clear tool marks from the manufacturing process. Nobbys Tuff. **Artifact Bagged Separately within 1/11.**
- 2/11: Very obvious conchoidal fracturing and characteristic cutting edge. Nobbys Tuff.
- 3/11: Nobbys Tuff
- 4/11: Nobbys Tuff – very obvious conchoidal fracturing.
- 5/11: Vibrant red colour with mottled yellow sections. Still demonstrates subconchoidal fracturing. Can see mineral grains with naked eye. Probably a conglomerate.
- 6/11: Conchoidal fracture. Ashy composition. Nobbys Tuff.
- 7/11: Similar to contents of 6/11. Nobbys Tuff.
- 8/11: Displays both conchoidal and uneven fracturing. Most likely Nobbys Tuff.
- 9/11: Single artefact – acicular piece of blade. Main edge is a conchoidal fracture. Non-cutting edges show uneven fracturing. Nobbys Tuff.
- 10/11: Similar to 9/11, but smaller. All 3 edges are conchoidal and sharpened. Bondi point? Nobbys Tuff.
- 11/11: Similar to 5/11. Conglomerate.

PR09 A10 Spit 4 (21/8/09): Conchoidal fracture very obvious in some tools. Beddings/laminations clearly visible in several larger tools. Nobbys Tuff.

- Conglomerate

PR09 A10 Spit 4 Coigoia (21/8/09): Conchoidal fracture evident in blade edges. Bondi point? Nobbys Tuff.

PR09 A10 Spit 6 (21/8/09): Extremely fine tool edges. Shape demonstrates conchoidal fracture very well. Nobbys Tuff.

PR09 A11 Spit 6 (24/8/09): Clear subconchoidal to conchoidal fracturing. Nobbys Tuff.

PR09 A12 Spit 4 (25/8/09):

- 1 (Ang Frag): Nobbys Tuff – clear from conchoidal cutting edge.
- 2: Nobbys Tuff. Larger pieces appear to show an uneven, almost earthy fracture, which perhaps indicates mixing at the boundary of a sandstone bedding, or reduced chemical weathering.
- 3 (Heat Shatter): Nobbys Tuff – conchoidal fracture.
- 4: Nobbys Tuff – conchoidal fracture so distinct that tools are similar to shark teeth in appearance.
- 5 (Conglomerate): Red conglomerate.

PR09 A13 Spit 4 (27/8/09): Characteristics of tuff most evident in 2 smaller pieces, but all 3 are Nobbys Tuff.

PR09 A14 Spit 4 (28/8/09): Given subconchoidal to conchoidal fracturing, low density and ashy grains, most likely Nobbys Tuff.

PR09 A15 (28/8/09):

- 1/2 (Spit 6) 28/8/09: Nobbys Tuff.
- 2/2 (Spit 5) 14/8/09: Nobbys Tuff.

Archive Notes & Observations

THE BIG BAG

PR09 A1 Spit 5: Nobbys Tuff

PR09 A1 Spit 4 Conjoin 4 #200/281: Nobbys Tuff

PR09 A1 Spit 6 (18/8/09):

- 1/2: Shell
- 2/2: Nobbys Tuff

PR09 A2 Spit 6 (18/8/09): Nobbys Tuff

PR09 A2 Spit 4 (17/8/09): Nobbys Tuff

PR09 A3 Spit 5: Nobbys Tuff

PR09 A3 spit 4 (14/8/09): Nobbys Tuff

PR09 A5 Spit 5 Tool: Nobbys Tuff

PR09 A4 Spit 4: Nobbys Tuff

PR09 A5 Spit 4 (14/8/09): Nobbys Tuff

PR09 A5 Spit 5 (13/8/09): Mudstone (?) with ferric weathering.

PR09 A6 Spit 6 (18/8/09): Nobbys Tuff

PR09 A7 Spit 6 (17/8/09): Bird Claw(?)

PR09 A7 Spit 6 (17/8/09):

- 1: Nobbys Tuff
- 2: Nobbys Tuff

PR09 A8 Spit 5 (17/8/09): Nobbys Tuff

PR09 A8 Spit 6 (17/8/09): Nobbys Tuff

PR09 A9 Spit 4 (20/8/09): Nobbys Tuff

PR09 A9 Spit 4 Ex Water – Rough Water #3273: Nobbys Tuff

PR09 A9 Spit 4 Camp Tool #3304: Nobbys Tuff

PR09 A9 Spit 4 Camp Tool #3442: Nobbys Tuff

PR09 A9 Spit 4 Conjoin #3257: Nobbys Tuff

PR09 A9 Spit 6 (20/8/09): Nobbys Tuff

PR09 A9 Spit 6 (20/8/09): Nobbys Tuff

PR09 A9 Spit 4 P..x Tool #3443: Nobbys Tuff

PR09 A9 Spit 4 Camp Tool #3304: Nobbys Tuff

PR09 A9 Spit 4 Tuff 1 Sample: Nobbys Tuff

PR09 A10 Spit 4 Tools (21/8/09): Nobbys Tuff

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PR09 A10 Spit 5 (21/8/09): Nobbys Tuff

Pr09 A11 Spit 4 (24/8/09): Nobbys Tuff

PR09 A11 Spit 4 BT 889 (24/8/09): Nobbys Tuff

PR09 A11 Spit 4 CT: Nobbys Tuff

PR09 A13 Spit 6 (27/8/09): Nobbys Tuff

BOX PR09 A: SPIT 7-11

PR09 A2 Spit 8 (18/8/09): Nobbys Tuff encrusted with dirt

PR09 A2 Spit 9 (19/8/09): Nobbys Tuff. Incredibly fine arrowhead shape.

PR09 A2 Spit 10 (19/8/09): Nobbys Tuff

PR09 A3 Spit 7 (18/8/09): Nobbys Tuff

PR09 A3 Spit 8 (18/8/09): Nobbys Tuff

PR09 A3 Spit 10: Nobbys Tuff

PR09 A4 Spit 7:

- 1/2: Nobbys Tuff
- 2/2: Nobbys Tuff

PR09 A5 Spit 8 (18/8/09): Nobbys Tuff

PR09 A5 Spit 10 (19/8/09): Ferrous Claystone/Siltstone

PR09 A7 Spit 7 (18/8/09): Nobbys Tuff encrusted with dirt

PR09 A7 Spit 9 (19/8/09): Nobbys Tuff

PR09 A7 Spit 7 ("Ore?"): Nobbys Tuff

PR09 A8 SPITL (17/8/09): Nobbys Tuff

PR09 A8 Spit 7 (17/8/09): Nobbys Tuff – extremely tooth-like. Darker grey tone.

PR09 A8 Spit 8 (19/8/09): Nobbys Tuff

PR09 A8 Spit 9 (19/8/09): Nobbys Tuff

PR09 A9 Spit 7 (20/8/09): Nobbys Tuff

PR09 A9 Spit 8 (20/8/09):

- 1/2: Smaller pieces all Nobbys Tuff. Larger piece Nobbys Tuff with distinct banding and dirt encrustment. Reverse Butt.
- 2/2: Nobbys Tuff

PR09 A9 Spit 9 (20/8/09): Nobbys Tuff

PR09 A9 Spit 11 (21/8/09): Nobbys Tuff

PR09 A10 Spit 9 (21/8/09): Nobbys Tuff

PR09 A10 Spit 10 (24/8/09): Nobbys Tuff

PR09 A11 Spit 7 "Biggsy" (24/8/09): Nobbys Tuff

PR09 A12 Spit 10 (26/8/09): Nobbys Tuff

PR09 A12 Spit 11 (26/8/09): Nobbys Tuff

PR09 A13 Spit 8 (27/8/09): Nobbys Tuff

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PR09 A13 Spit 9 (27/8/09): Nobbys Tuff
PR09 A13 Spit 11 (27/08/09): Nobbys Tuff
PR09 A14 Spit 10 (28/8/09): Nobbys Tuff
PR09 A15 Spit 8 (29/8/09): Nobbys Tuff
PR09 A16 Spit 7 (29/8/09): Nobbys Tuff
PR09 A16 Spit 9 (29/8/09): Nobbys Tuff
PR09 A16 Spit 11 (29/8/09): Nobbys Tuff

THE BIG BAG

PR09 A1 Spit 8 (18/8/09): Nobbys Tuff
PR09 A5 Spit 7 (18/8/09): Nobbys Tuff – encrusted in dirt
PR09 A6 Spit 7 (17/8/09): Nobbys Tuff – some encrusted in dirt
PR09 A10 Spit 7 (21/8/09): Nobbys Tuff
PR09 A10 Spit 9 (21/8/09): Nobbys Tuff
PR09 A10 Spit 10 (27/8/09): Nobbys Tuff
PR09 A10 Spit 10 (24/8/09): Nobbys Tuff
PR09 A14 Spit 11 (28/8/09): Nobbys Tuff
PR09 A15 Spit 9 (29/8/09): Nobbys Tuff
PR09 A15 Spit 10 (29/8/09): Nobbys Tuff
PR09 A16 Spit 10 (29/8/09): Nobbys Tuff

SMALL TOOLS

PR09 A9 Spit 9 tool: Nobbys Tuff
PR09 A9 Spit 10 (20/8/09) #3662: Nobbys Tuff
PR09 A11 Spit 11 (25/8/09) #4254: Nobbys Tuff
PR09 A12 Spit 11 tool: Nobbys Tuff
PR09 A16 Spit 10 tool: Nobbys Tuff

BOX PR09 B – SPIT 1-2

PR09 B1 Spit 1 Core #3802 (10/8/09): Nobbys Tuff

PR09 B1 Spit 1 Core #4198 (10/8/09): Nobbys Tuff

PR09 Spit 1 before fill (11/8/09): Probably a granite

PR09 B1-8 (out of bucket) (12/8/09):

- 1 (large bag): Nobbys Tuff (3 artifacts)
- 2 (small bag): Iron-rich claystone

PR09 B2 Spit 1 (11/8/09):

- 1 (large bag): Nobbys Tuff
- 2 (medium bag labelled “manutuff 1/3”): Nobbys Tuff, with interesting laminations and weathering
- 3 (small bag): Nobbys Tuff – larger artefact is arrowhead-like.

PR09 B2 Spit 1 CF #476: Nobbys Tuff – there is a pure white fine lamination visible, giving some sense of original orientation.

PR09 B3 Spit 1 (10/8/09): Nobbys Tuff

PR09 B3 Spit 2 (10/8/09): Nobbys Tuff (larger artefact); Very red colouration leads me to believe that it is either actually a chert or is a particularly altered piece of Nobbys Tuff.

PR09 B3 Spit 2 (n.d.): Alternate layers of Nobbys Tuff and pumice

PR09 B3 Spit 2 #514: Nobbys Tuff. Perfect example of the conchoidal fracturing that is characteristic of this rock type.

PR09 B3 Spit 2 Core #515 (Special Find): Nobbys Tuff.

PR09 B4 Spit 1 Core #3997 (Special Find) (11/8/09): Nobbys Tuff - weathered

PR09 B5 Spit 2 Core #85: Nobbys Tuff – a relatively unaltered piece with only subconchoidal fracturing (and some uneven).

PR09 B5 Spit 2 Ground/grinding implement #90: Larger section is Nobbys Tuff, smaller section is probably a mudstone.

PR09 B5 Spit 2 “1x Box stone + ochrous material” (10/8/09): Weathered tuff.

PR09 B5 Spit 2 #1 (10/8/09): Contains different layers of rock with different toughness values, evidenced by different rates of weathering on the artifact.

PR09 B5 Spit 2 #2 (10/8/09): Nobbys Tuff

PR09 B5 Spit 1 #3 (10/8/09): Nobbys Tuff

PR09 B5 Spit 1 #4 (10/8/09): Nobbys Tuff – this sample has substantial lithic variation and clear laminations.

PR09 B5 Spit 1 #5 (10/8/09): Nobbys Tuff

PR09 B5 Spit 1 #6 #7 (10/8/09): Smallest artefact is Nobbys Tuff, middle artefact are likely also Nobbys Tuff given their texture (but has not undergone the same degree of alteration as most samples).

Archive Notes & Observations

PR09 B6 Spit 1 #1 (11/8/09): Nobbys Tuff

PR09 B6 Spit 1 #2 (11/8/09): Nobbys Tuff – conchoidal fracturing is clear.

PR09 B6 Spit 1 #3 (11/8/09): Nobbys Tuff

PR09 B6 Spit 1 #4 (11/8/09): Nobbys Tuff – red-coloured one is the result of iron-rich fluid transport through the rock.

PR09 B6 Spit 2 (11/8/09): Nobbys Tuff

PR09 B7 Spit 1 (10/8/09): Nobbys Tuff; the largest tool is mainly Nobbys Tuff, but appears to have a pumice layer.

PR09 B7 Spit 2 (Special finds manutuff samples to thin section

- #1: Nobbys Tuff
- #2: Probably also Nobbys Tuff. Hard to tell given colouration and weathering.

PR09 B7 Spit 2 Core (Special Finds) #80): Nobbys Tuff. Green colour is comparable to other unidentified rock type, adding circumstantial evidence to it also being Nobbys Tuff.

PR09 B8 Spit 1 #210 (11/8/09): Possibly altered sandstone

PR09 B8 Spit 1 Bag 2 (n.d.): Nobbys Tuff – largest artefact demonstrates prominent conchoidal fracturing.

PR09 B9 Spit 1 (19/8/09): Possibly a carbonaceous siltstone

PR09 B9 Spit 1 #1107 (19/8/09): Nobbys Tuff

PR09 B9 Spit 1 #1108 (19/8/09): Nobbys Tuff

PR09 B10 Spit 1 (21/8/09): Nobbys Tuff

PR09 B10 Spit 2 (21/8/09): Nobbys Tuff

PR09 B11 Spit 1 (24/8/09): Nobbys Tuff

PR09 B11 Spit 2 (24/8/09):

- 1 (main bag): Nobbys Tuff
- 2 (CFS): Nobbys Tuff
- 3 (“stone + ochrous material”): Nobbys Tuff shaped into blade. “Ochrous material” actually weathered tuff.

PR09 B12 Spit 2 (25/8/09):

- 1 (large bag): Nobbys Tuff
- 2 (medium bag): Nobbys Tuff
- 3 (small bag): Nobbys Tuff

PR09 B14xC14 N Section Collapse (Spit 1-9):

- 1 (main bag): Nobbys Tuff
- 2: Nobbys Tuff
- 3: Nobbys Tuff – larger artifact demonstrates conchoidal fracture on main surfaces.

PR09 B14xC14 N Section Collapse Core (Spit 1-9): Nobbys Tuff

Archive Notes & Observations

PR09 B14 Spit 2 (28/8/09):

- 1 (main bag): Nobbys Tuff
- 2: Nobbys Tuff – Pale, almost white artefact is a good example of how the edge of a conchoidal fracture can be used as a blade.

PR09 B16 Spit 2 (27/8/09): Nobbys Tuff

PR09 B16 op2 Insitu core Bidirectional #2777 (27/8/09): Nobbys Tuff with clear characteristic fracturing and fine laminations.

PR09 Surface + Wall Collapse Core: Nobbys Tuff

Small Artifacts Box

PR09 Out of Context Tuff3 Sample = 2Tuff: Nobbys Tuff

PR09 B1 Spit 1 (10/8/09): Nobbys Tuff

PR09 B2 Spit 1 #359 Conjoin 7: Nobbys Tuff – purple colouration indicates manganese-rich fluid transport occurred.

PR09 B5 Spit 1 (10/8/09): Probably Nobbys Tuff. It has the textural and fracture characteristics of tuff, and its bright red colouration is probably the result of iron-rich fluid transport.

PR09 B7/8 Collapse Core: Nobbys Tuff

PR09 B13 Spit 2 #78 Broken Tool Fragile Tool: Nobbys Tuff

PR09 B13 Spit 2 #719: Nobbys Tuff

PR09 B14 Spit 2 #2605: Nobbys Tuff

PR09 B14 Spit 2 #2606: Nobbys Tuff

PR09 B14xC14 N Section Collapse Spit 1-9: Nobbys Tuff

BOX PR09 B – SPIT 3-4

PR09 B1 Spit 3 Core Tool #3902 (10/8/09): Nobbys Tuff

PR09 B1 Spit 4 (10/8/09): Nobbys Tuff – purple colouration probably from manganese-rich fluid transport.

PR09 B3 Spit 3 Bag 2/2:

- #1: Nobbys Tuff
- #2: Nobbys Tuff
- #3: Tuff – probably Nobbys, but has much more unaltered texture.
- #4: Nobbys Tuff – large concavities indicate conchoidal fracturing.
- #5: Nobbys Tuff, possibly mixed with a siltstone bed.
- #6: Nobbys Tuff
- #7: Small glimpse of what is possibly a fresh surface indicates that this is a weathered claystone.
- #8: Some surfaces show tuff-like texture and what could be fracturing or weathering. Either a chert or Nobbys Tuff.
- #9: Possibly chalcedony or other silica-rich mineral matter. Has a waxy/opaline lustre and a marbled brown appearance.
- #10: Nobbys Tuff
- #11: Nobbys Tuff
- #12: Nobbys Tuff

PR09 B3 Spit 4 (10/8/09):

- 1 (main bag): Nobbys Tuff
- 2 (heat shatter): Nobbys Tuff
- 3 (Ang Frags): Nobbys Tuff
- 4 (CFS + Comp Splits): Nobbys Tuff

PR09 B5 Spit 3 Core (10/8/09): Nobbys Tuff – very clear beddings apparent. Texture and hardness differs very slightly between them, which can be seen in the conchoidal fracture pattern.

PR09 B5 Spit 3 (10/8/09): Nobbys Tuff

PR09 B5 Spit 4: Nobbys Tuff

PR09 B6 Spit 3 Bag 2: Nobbys Tuff

PR09 B6 Spit 4 (11/8/09): Nobbys Tuff. The reddish artefact is very weathered and dirt-encrusted, but fractures in a characteristic manner.

PR09 B7 Spit 3 (10/8/9): Nobbys Tuff

PR09 B7 Spit 3 AW (10/8/09): Nobbys Tuff

PR09 B7 Spit 4 Core (10/8/09): Nobbys Tuff

PR09 B7 Spit 4 Conjoin 8 (10/8/09): Quartz-rich sandstone.

PR09 B7 Spit 4 Bag 2/2 (10/8/09): Nobbys Tuff

PR09 B8 Spit 4 A1 (11/8/09): Nobbys Tuff – badly weathered.

PR09 B9 Spit 4 (20/8/09): Nobbys Tuff – manganese purple.

Archive Notes & Observations

PR09 B10 Spit 4 (21/8/09):

- 1 (main bag): Nobbys Tuff
- 2 (BFS): Nobbys Tuff
- 3 (CFS): Nobbys Tuff

PR09 B11 Spit 3 (24/8/9):

- #1: Nobbys Tuff
- #2: Nobbys Tuff
- #3: Nobbys Tuff
- #4: Nobbys Tuff
- #5: Covered in elongated vesicles. Possibly a highly aerated tuff – fracturing is indicative of this.

PR09 B11 Spit 4 (24/8/09):

- 1 (BFS): Nobbys Tuff
- 2 (Heat shatter): Nobbys Tuff
- 3 (CFS): Nobbys Tuff
- 4 (Ang Frags): Nobbys Tuff

PR09 B11 Spit 4 (24/8/09) – Big bag #2:

- 1 (main bag): Nobbys Tuff
- 2 (CFS): Nobbys Tuff
- 3 (BFS): Nobbys Tuff

PR09 B12 Spit 3 (25/8/09):

- 1 (Prox, dist + brok flakes): Nobbys Tuff
- 2 (“No information on this bag”): Nobbys Tuff
- 3 (CFS): Nobbys Tuff
- 4: Nobbys Tuff

PR09 B12 Spit 3 (24/8/09):

- 1 (main bag): Nobbys Tuff
- 2 (CFS): Predominantly Nobbys Tuff; one small artefact of red conglomerate(?)
- 3 (BFS): Nobbys Tuff

PR09 B12 Spit 4 (25/8/09):

- 1 (BF): Nobbys Tuff
- 2 (Ang Frags + Heat Shatter): Nobbys Tuff

PR09 B12 Spit 4 CFS: Nobbys Tuff

PR09 B12 Spit 4 Artefact below hearth #3444 (25/8/09): Nobbys Tuff

PR09 B13 Spit 3 (26/8/09): Nobbys Tuff

PR09 B13 Spit 3 Scalar Retouch (27/8/09): Texture typical of unaltered tuff.

PR09 B13 Spit 4 (27/8/09): Nobbys Tuff

PR09 B14 Spit 3 (28/8/09): Nobbys Tuff

Archive Notes & Observations

- 1 (Heat fracture): Nobbys Tuff
- 2 (BFS): Nobbys Tuff
- 3 (CFS): Nobbys Tuff

PR09 B16 Spit 3 (27/8/09): Nobbys Tuff

PR09 B16 Spit 4 (27/8/09): Nobbys Tuff

FRAGILE SMALL ARTEFACTS BOX

PR09 B1 Spit 3 Core (26/8/09): Nobbys Tuff

PR09 B2 Spit 3 Conjoin (1A/B): Nobbys Tuff

PR09 B2 Spit 3 Conjoin 2 (A/B): Nobbys Tuff

PR09 B3 Spit 4 Conjoin 9 450+451: Nobbys Tuff

PR09 B6 Spit 3 (2/255): Nobbys Tuff

PR09 B7 Spit 4 #4265: Nobbys Tuff

PR09 B9 Spit 3 (1411) CT: Nobbys Tuff

PR09 B9 Spit (1412) CT: Nobbys Tuff

PR09 B9 Spit 3 1414, 1415 (BT) Conjoin 17: Nobbys Tuff

PR09 B9 Spit 3 Conjoin 16 Heat Shatter: Nobbys Tuff

PR09 B9 Spit 3 BT (1413): Nobbys Tuff

PR09 B9 Spit 4 (v. small CFS): Nobbys Tuff

PR09 B10 Spit 3 1449 BT: Nobbys Tuff

PR09 B10 Spit 3 Conjoin 18 1416+1417: Nobbys Tuff

PR09 B10 Spit 3 Conjoin 19 (1422) Conjoins to 16: Nobbys Tuff

PR09 B10 Spit 3 1448 BT: Nobbys Tuff

PR09 B10 Spit 4 Broktool 1321: Nobbys Tuff

PR09 B10 Spit 4 BF: Nobbys Tuff

PR09 B10 Spit 4 BT (1320): Nobbys Tuff

PR09 B11 Spit 3 (27/8/09) CT (1822): Nobbys Tuff

PR09 B11 Spit 3 (24/8/09): Nobbys Tuff – less altered than most

PR09 B11 Spit 4 Conjoin 20 (1857, 1858): Orange (iron rich?) fine-grained conglomerate.

PR09 B11 Spit 4 (2440): Nobbys Tuff

PR09 B11 Spit 4 (2441): Nobbys Tuff

PR09 B11 Spit 4 (2087): Nobbys Tuff

PR09 B11 Spit 4 (2088): Nobbys Tuff

Archive Notes & Observations

PR09 B12 Spit 3 CT (770): Nobbys Tuff

PR09 B12 Spit 3 CT (771): Nobbys Tuff

PR09 B12 Spit 3 CT (768): Nobbys Tuff

PR09 B12 Spit 3 CT (769): Nobbys Tuff

PR09 B12 Spit 3 (774): Nobbys Tuff

PR09 B12 Spit 3 (772): Nobbys Tuff

PR09 B12 Spit 3 (773) BT: Nobbys Tuff

PR09 B13 Spit 3 #4262: Nobbys Tuff

PR09 B13 Spit 3 #4261: Nobbys Tuff – red colouration noteworthy, plus marbled appearance is similar to a chert or chalcedony, indicating a high degree of alteration.

PR09 B14 Spit 3 2865, 2868: Nobbys Tuff

PR09 B14 Spit 3 Camp tool (2887): Nobbys Tuff

PR09 B14 Spit 3 (2888): Nobbys Tuff

PR09 B14 Spit 3 (2889): Nobbys Tuff

PR09 B14 Spit 3 (2886): Nobbys Tuff

BOX PR09 B – SPIT 5-9**Spit 5:**

PR09 B1 Spit 5 (10/8/09):

- 1 (main bag): Nobbys Tuff
- 2 (in situ afs not sieved): Nobbys Tuff
- 3 (CFS): Nobbys Tuff, some purple colouration from manganese-rich fluid transport

PR09 B2 Spit 5 (11/8/09): Nobbys Tuff with weathering

PR09 B2 Spit 5 (11/8/09): Nobbys Tuff

PR09 B2 Spit 5 “OCRE” (11/8/09): Ferrous claystone

PR09 B3 Spit 5 (10/8/09): Nobbys Tuff

PR09 B3 Spit 5 (10/8/09):

- 1 (main bag): Nobbys Tuff
- 2 (CFS): Nobbys Tuff
- 3 (BFS): Nobbys Tuff

PR09 B5 Spit 5 (n.d.): Nobbys Tuff with weathering

PR09 B5 Spit 5 (10/8/09): Nobbys Tuff; some fragments show prominent laminations and flame structures.

PR09 B6 Spit 5 (11/8/09): Nobbys Tuff with weathering

PR09 B10 Spit 5 (21/8/09):

- 1 (main bag): Nobbys Tuff
- 2: Red conglomerate, extremely fine grains

PR09 B11 Spit 5 (24/8/09):

- 1 (main bag): Nobbys Tuff
- 2 (CFS + BFS): Nobbys Tuff

PR09 B12 Spit 5 (25/8/09): Nobbys Tuff

PR09 B13 Spit 5 (27/8/09): Nobbys Tuff

Spit 6:

PR09 B1 Spit 6 (11/8/09):

- 1 (Main bag): Nobbys Tuff
- 2 (Ang Frag): Nobbys Tuff with laminations
- 3 (CFS): Nobbys Tuff

PR09 B1 Spit 6 Square (18/8/09): Nobbys Tuff

PR09 B1 Spit 6 (378) “Pebble Tool”: Probably a granite; shows granitic weathering and has what are probably biotite grains.

PR09 B2 Spit 6 (11/8/09):

Archive Notes & Observations

- 1 (main bag): Nobbys Tuff
- 2 ("mantuff"): Nobbys Tuff with significant weathering

PR09 B3 Spit 6 (10/8/09)

- 1 (main bag): Nobbys Tuff
- 2 (CFS): Nobbys Tuff
- 3 (n.d.): Nobbys Tuff

PR09 B4 Spit 6 "Ochre" (12/8/09): Ferrous claystone

PR09 B5 Spit 6 (10/8/09):

- 1 (main bag): Nobbys Tuff; largest tool shows prominent laminations.
- 2 (#1): Nobbys Tuff

PR09 B7 Spit 6 (10/8/09): Nobbys Tuff showing characteristic fracturing

PR09 B8 Spit 6 (11/8/09): Mainly Nobbys Tuff, with some pieces of ferrous claystone

PR09 B9 Spit 6 (20/8/09): Nobbys Tuff

PR09 B11 Spit 6 (24/8/09): Nobbys Tuff

PR09 B12 Spit 6 (26/8/09): Nobbys Tuff

SPIT 7:

PR09 B1 Spit 7 (11/8/09):

- 1 (main bag): Nobbys Tuff; purple discolouration from manganese-rich fluid transport
- 2 (CFS): Nobbys Tuff with prominent conchoidal fracture

PR09 B3 Spit 7 (11/8/09):

- Bag 1/2: Nobbys Tuff
- Bag 2/2: Nobbys Tuff

PR09 B5 Spit 7 (11/8/09): Largest tool is ferrous claystone; other tools are Nobbys Tuff.

PR09 B6 Spit 7 "manutuff samples to thin section" (12/8/09): Nobbys Tuff

PR09 B8 Spit 7 (11/8/09) Bag 2:

- #1: Nobbys Tuff
- #2: Nobbys Tuff
- #3: Nobbys Tuff
- #4: Nobbys Tuff
- #5: Nobbys Tuff

PR09 B9 Spit 7 (20/8/09): Nobbys Tuff with weathering

PR09 B10 Spit 7 (21/8/09): Nobbys Tuff. Light grey acicular tool shows absence of weathering

PR09 B11 Spit 7 (24/8/09): Nobbys Tuff

PR09 B12 Spit 7 (26/8/09): Nobbys Tuff

PR09 B16 Spit 7 (29/8/09): Nobbys Tuff with prominent conchoidal fracture

Archive Notes & Observations

SPIT 8:

PR09 B1 Spit 8 (11/8/09): Nobbys Tuff

PR09 B3 Spit 8 (11/8/09): Nobbys Tuff

PR09 B7 Spit 8 "Redbank A?" #97: Nobbys Tuff

PR09 B7 Spit 8 #91: Nobbys Tuff

PR09 B10 Spit 8 (21/8/09): Nobbys Tuff

PR09 B11 Spit 8 (24/8/09): Nobbys Tuff

PR09 B12 Spit 8 (26/8/09):

- 1 (main bag): Nobbys Tuff
- 2: Seashell fragment?

SPIT 9:

PR09 B1 Spit 9 (11/8/09): Nobbys Tuff

PR09 B3 Spit 9 (11/8/09): Nobbys Tuff

PR09 B5 Spit 9 (11/8/09): Nobbys Tuff

PR09 B5 Spit 9 "Ochre": Ferrous claystone

PR09 B7 Spit 9 (11/8/09): Nobbys Tuff with weathering

PR09 B7 Spit 9 (11/8/09):

- 1 (main bag): Nobbys Tuff with weathering
- 2 (CFS + BFS): Nobbys Tuff with weathering

PR09 B9 Spit 9 (20/8/09):

- 1 (main bag): Nobbys Tuff
- 2 (CFS + BFS): Nobbys Tuff

PR09 B10 Spit 9 (21/8/09):

- 1 (main bag): Nobbys Tuff
- 2 (CFS + BFS): Nobbys Tuff

PR09 B11 Spit 9 (25/8/09): Nobbys Tuff

PR09 B12 Spit 9 (26/8/09): Relatively unaltered Nobbys Tuff

PR09 B13 Spit 9 (27/8/09): Nobbys Tuff

PR09 B15 Spit 9 (29/8/09): Nobbys Tuff with weathering

FRAGILE TOOLS

PR09 B1 Spit 8 (630/631): Nobbys Tuff with purple colouration from manganese-rich fluid transport

PR09 B1 Spit 9 #465: Nobbys Tuff with purple colouration from manganese-rich fluid transport

PR09 B2 Spit 7 Glass: Glass

Archive Notes & Observations

PR09 B3 Spit 7 CT Scraper #172: Nobbys Tuff

PR09 B3 Spit 8 (11/8/09): Nobbys Tuff

PR09 B4 Spit 5 "Tuff 4 Sample": Nobbys Tuff

PR09 B7 Spit 8 "Camp tool" #93: Nobbys Tuff with weathering

PR09 B8 Spit 6 "CT Scraper": Nobbys Tuff

PR09 B8 Spit 9 #3823: Probably Nobbys Tuff, but possibly an iron-rich chert (needs to be cleaned and re-examined)

PR09 B9 Spit 9 #2128: Nobbys Tuff

PR09 B12 Spit 9 #2574: Nobbys Tuff

BOX PR09 B SPIT 10-20**SPIT 10**

PR09 B1 Spit 10: Nobbys Tuff

PR09 B3 Spit 10 "Ochre" – Ferrous claystone

PR09 B3 Spit 10: Nobbys Tuff

PR09 B5 Spit 10: Nobbys Tuff

PR09 B6 Spit 10: Nobbys Tuff

PR09 B8 Spit 10:

- 1: (main bag): Nobbys Tuff
- 2: (manutuff): Nobbys Tuff
- 3: Ferrous Claystone

PR09 B9 Spit 10: Nobbys Tuff

PR09 B9 Spit 10 (Shane): Nobbys Tuff

PR09 B10 Spit 10: Nobbys Tuff

PR09 B10 Spit 10 (CFS + BFS): Nobbys Tuff

PR09 B11 Spit 10: Nobbys Tuff

PR09 B12 Spit 10: Nobbys Tuff

PR09 B13 Spit 10: Nobbys Tuff

PP09 B14 Spit 10: Nobbys Tuff

PR09 B16 Spit 10:

- 1 (main bag): Nobbys Tuff
- 2 (CFS + BFS): Nobbys Tuff

SPIT 11

PR09 B7 Spit 11:

- 1 (main bag); Nobbys Tuff
- 2 (CFS): Nobbys Tuff

PR09 B9 Spit 11 #2915: Nobbys Tuff

PR09 B9 Spit 11:

- 1 (main bag): Nobbys Tuff
- 2 (BFS + CFS): Nobbys Tuff

PR09 B10 Spit 11:

- 1 (main bag): Nobbys Tuff
- 2 (CFS + BFS): Nobbys Tuff

Archive Notes & Observations

PR09 B11 Spit 11:

- 1 (BFS): Nobbys Tuff
- 2 (CFS): Nobbys Tuff
- 3 (Ang Frags): Nobbys Tuff

PR09 B12 Spit 11: Nobbys Tuff

PR09 B13 Spit 11 SAMPLE POINT: Nobbys Tuff

PR09 B13 Spit 11:

- 1 (main bag): Nobbys Tuff
- 2 (CFS + BFS): Nobbys Tuff

PR09 B14 Spit 11: Nobbys Tuff

PR09 B15 Spit 11: Nobbys Tuff

SPIT 12

PR09 B9 Spit 12:

- 1 (main bag): Nobbys Tuff
- 2 (#3469): Nobbys Tuff
- 3 (#3475): Nobbys Tuff

PR09 B12 Spit 12:

- 1 (main bag): Nobbys Tuff
- 2 (CFS): Nobbys Tuff
- 3 (BFS): Nobbys Tuff
- 4 (Ang frags): Nobbys Tuff

SPIT 13

PR09 B3 Spit 13: Nobbys Tuff

PR09 B9 Spit 13: Nobbys Tuff

PR09 B12 Spit 13:

- 1 (main bag): Nobbys Tuff
- 2 (CFS): Nobbys Tuff
- 3 (BFS): Nobbys Tuff

SPIT 14

PR09 B6 Spit 14: Nobbys Tuff

PR09 B12 Spit 14:

- 1 (main bag): Nobbys Tuff
- 2 (BFS): Nobbys Tuff
- 3 (CFS): Nobbys Tuff

SPIT 15

PR09 B3 Spit 15: Nobbys Tuff

Archive Notes & Observations

PR09 B9 Spit 15: Nobbys Tuff

PR09 B12 Spit 15:

- 1 (main bag): Nobbys Tuff
- 2 (BFS): Nobbys Tuff

SPIT 16

PR09 B3 Spit 16: Nobbys Tuff

PR09 B6 Spit 16: Nobbys Tuff

PR09 B6 Spit 16 "Coffee Rock":

- 1 (main bag): Green chert and Tuff
- 2 (BFS): Nobbys Tuff
- 3 (CFS): Nobbys Tuff

PR09 B9 Spit 16: Nobbys Tuff

PR09 B12 Spit 16: Nobbys Tuff

SPIT 17

PR09 B3 Spit 17: Nobbys Tuff

PR09 B6 Spit 17:

- 1 (main bag): Nobbys Tuff
- 2 (CFS + BFS): Nobbys Tuff

PR09 B9 Spit 17: Nobbys Tuff

PR09 B12 Spit 17: Nobbys Tuff

SPIT 18

PR09 B3 Spit 18 #2820: Nobbys Tuff, red colouration from iron-rich fluid transport

PR09 B3 Spit 18:

- 1 (main bag): Nobbys Tuff
- 2 (BFS): Nobbys Tuff

PR09 B6 Spit 18 #2205: Nobbys Tuff

PR09 B6 Spit 18:

- 1 (main bag): Nobbys Tuff
- 2 (CFS + BFS): Nobbys Tuff

PR09 B9 Spit 18:

- 1 (main bag): Nobbys Tuff
- 2 (CFS + BFS): Nobbys Tuff

PR09 B12 Spit 18: Nobbys Tuff

Archive Notes & Observations

SPIT 19

PR09 B3 Spit 19:

- 1 (main bag): Nobbys Tuff
- 2 (CFS + BFS): Nobbys Tuff

PR09 B6 Spit 19:

- 1 (main bag): Nobbys Tuff
- 2 (BFS): Nobbys Tuff
- 3 (CFS): Nobbys Tuff

SPIT 20

PR09 B3 Spit 20:

- 1 (main bag): Nobbys Tuff
- 2 (CFS + BFS): Nobbys Tuff

PR09 B6 End Scraper: Nobbys Tuff

PR09 B6 Spit 20:

- 1 (Ang frags): Nobbys Tuff
- 2 (unaltered tuff): Unaltered Tuff

PR09 B6 Spit 20 SIM: Nobbys Tuff

PR09 B6 Spit 20:

- 1 (BFS): Nobbys Tuff
- 2 (2809): Nobbys Tuff
- 3 (2811): Nobbys Tuff
- 4 (2799): Claystone?

PR09 B6 Spit 20 SIM CF:

- 1 (main bag): Nobbys Tuff
- 2 Nobbys Tuff

PR09 B9 Spit 20 Core Fragment #4123: Nobbys Tuff

FRAGILE TOOLS

ALL ARE NOBBYS TUFF

BOX PR09 C – SPIT 1-11

PR09 C1 Spit 3 (14/8/09) #1770: Nobbys Tuff

PR09 C3 Spit 1 (13/8/09) #1163: Nobbys Tuff

PR09 C3 Spit 1 (13/8/09) #1162: Nobbys Tuff

PR09 C5 Spit 2 (13/8/09) #3980: Nobbys Tuff, relatively unaltered

PR09 C5 Spit 10 (17/8/09): Nobbys Tuff

PR09 C6 Spit 1 (13/8/09) #2585: Nobbys Tuff

PR09 C6/7 Collapse #100: Red chert

PR09 C6/7 Collapse #1161: Nobbys Tuff

PR09 C6/7 Collapse: Nobbys Tuff

PR09 C8 Spit 3 (13/8/09) #3607: Nobbys Tuff

PR09 C9 Spit 2 (19/8/09) #3096: Nobbys Tuff

PR09 C9 Spit 8 (20/8/09): Nobbys Tuff

PR09 C9 Spit 9 (21/8/09) - ochre: Ferrous claystone

PR09 C9 Spit 9 (21/8/09): Nobbys Tuff

PR09 C9 Spit 10 (21/8/09):

- 1 (main bag): Nobbys Tuff
- 2 (manutuff): Nobbys Tuff
- 3: Ferrous claystone

PR09 C10 Spit 10 (29/8/09): Nobbys Tuff

PR09 C10 Spit 9 (21/8/09): Ferrous claystone

PR09 C10 Spit 7 (21/8/09): Nobbys Tuff

PR09 C10 Spit 5 (21/8/09): Nobbys Tuff

PR09 C11 Spit 3 (13/8/09) #2280: Nobbys Tuff

PR09 C11 Spit 5 (27/8/09): Nobbys Tuff

PR09 C11 Post Hole: Glass

PR09 C12 Spit 1 (25/8/09):

- 1 (main bag): Nobbys Tuff
- 2: Glass and possibly a granite

PR09 C12 Spit 5 (25/8/09) #3919: Nobbys Tuff; relatively unaltered

PR09 C12 Spit 8 (26/8/09): Nobbys Tuff

PR09 C12 Spit 11 (25/8/09): Nobbys Tuff

Archive Notes & Observations

PR09 C13 Spit 4 (27/8/09): Nobbys Tuff

PR09 C14 Spit 2 (28/8/09): Nobbys Tuff

PR09 C14 #1782: Probably Nobbys Tuff, given texture of rock.

PR09 C14 Spit 3 (28/8/09) #3082: Nobbys Tuff

PR09 C14 Spit 3 (28/8/09) #3083: Nobbys Tuff

PR09 C16 Spit 4 (28/8/09) #3547: Nobbys Tuff

“Manutuff”:

- 1 (main bag): Nobbys Tuff with weathering
- 2: Nobbys Tuff with weathering

PR09 A, B, C Surface Finds: Nobbys Tuff

FRAGILE TOOLS PR09 C 1-11

PR09 C1 Spit 5 #1226: Nobbys Tuff

PR09 C2 Spit 3 #1767: Nobbys Tuff

PR09 C3 Spit 4 #1197: Nobbys Tuff

PR09 C8 Spit 1 #4257: Nobbys Tuff

PR09 C9 Spit 3 #2655: Nobbys Tuff

PR09 C9 Spit 3 #2656: Nobbys Tuff

PR09 C9 Spit 4 #2682: Nobbys Tuff

PR09 C10 Spit 4 #2741: Nobbys Tuff

PR09 C10 Spit 11 #3116: Nobbys Tuff

PR09 C11 Spit 11 BT #1709: Nobbys Tuff

PR09 C11 Spit 11 BT #1708: Nobbys Tuff

PR09 C11 Spit 4 #3140: Nobbys Tuff

PR09 C11 Spit 11 BT Scraper #1707: Nobbys Tuff

PR09 C12 Spit 1 tool: Nobbys Tuff

PR09 C12 Spit 2 #3619: Nobbys Tuff

PR09 C12 Spit 2 #4266: Nobbys Tuff

PR09 C12 Spit 3 #892 + #921: Nobbys Tuff

PR09 C12 Spit 3 #922 + #923: Nobbys Tuff

PR09 C12 Spit 3 #924 + #925: Nobbys Tuff

PR09 C12 Spit 3 #926 + #927: Nobbys Tuff

PR09 C12 Spit 3 #929 + 930: Nobbys Tuff

Archive Notes & Observations

PR09 C12 Spit 3 #971: Nobbys Tuff
PR09 C12 Spit 3 #997: Red conglomerate
PR09 C12 Spit 3 #1003: Nobbys Tuff
PR09 C12 Spit 3 #1004: Nobbys Tuff
PR09 C12 Spit 4 #1088: Nobbys Tuff
PR09 C12 Spit 4 #1089: Nobbys Tuff
PR09 C12 Spit 4 #1090: Nobbys Tuff
PR09 C12 Spit 4 #1068: Nobbys Tuff
PR09 C13 Spit 3 #1269: Nobbys Tuff
PR09 C13 Spit 3 #1270: Nobbys Tuff
PR09 C13 Spit 11 (27/8/09) #2673: Nobbys Tuff
PR09 C14 Spit 3 #3084: Nobbys Tuff
PR09 C14 Spit 3 #3085: Nobbys Tuff
PR09 C14 Spit 3 #3086: Nobbys Tuff
PR09 C14 Spit 3 #3087: Nobbys Tuff
PR09 C14 Spit 2 #4267: Nobbys Tuff
PR09 C14 Spit 11 (28/8/09) #2691: Nobbys Tuff
PR09 C14 Spit 11 (28/8/09) #2690: Nobbys Tuff
PR09 C15 Spit 4 #1612: Nobbys Tuff

Compiled in 2017 by Sebastian Meredith for Cultural Collections, UON Library.

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