

Geological Sample Submission Procedure (Drill Core and Cuttings)

Please read the following instructions prior to submitting drill core samples to the departments drill core facilities.

Arrangements must be made with the relevant core facility manager prior to delivery of any material to the core facilities.

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1 Policy

It is the policy of NTGS to receive into the core facility a selection of cores that:

- Contain important stratigraphic information
- Show representative styles of mineralisation
- Contribute to a representative suite for all major mineral deposits of the Northern Territory
- Suitability intact to provide further geological studies
- Show outstanding examples of important geological features.

2 Instructions to Operator

- Core/cuttings **must** be submitted to the Core Facility nearest to drilling site, either Darwin or Alice Springs.
- Zincalume® metric trays (400 x 1000mm) are preferred for Core submission to the Alice Springs Core Facility, however plastic core trays will be accepted.
- Trays must be labelled using a black Artline 400XF or equivalent paint marker. Labelling must include hole name and core intervals with the start of the cored interval marked with an arrow on the top **Left corner of the tray** (Figure a)
- Core containing radioactive mineralisation, or core from known uranium provinces, should be tested and the measurements recorded in microSv/hr (μSv) above background. Note: Radiation levels of all core will be checked upon receipt at the Core Facility.
- The transportation of core and/or cuttings to the nominated core store, including costs, shall be the sole responsibility of the submitting company.
- Complete one sample submission form for each hole
- Please make contact with the relevant Core Facility Manager prior to submission.
- NTGS will not normally require rotary drilling cuttings (RAB, RC, vacuum, air core) to be referred

2.1 Core Tray Labelling

Once a tray is filled and its contained core measured and marked up, label the **top left lip ('Start')** with the interval start depth (Figure 1a) and the diagonally opposite, painted **bottom right lip with the interval finish depth**, (Figure 1c) so that these are visible when the tray is photographed. The white-painted side of the tray is then permanently labelled with (from left to right) **tray (box) number, location, drillhole name, and start and finish depth**.

Please leave a 75 mm blank space on the far left for rack location numbers to be added later in the Core Library and to leave a gap along the top so that the labels will not be obscured if a lid is added to the tray. Example: [75 mm blank space] 9 (tray number) NTGS VR04DD01 (hole name) 96.5-103.01m (interval)

The start of the tray should be labelled in advance, with start depth recorded on top left corner of lip as indicated. **Figure 1b:** Core is marked with continuous red and black lines using two marking pens taped together; black line is always on the right when the core is stratigraphically oriented, and full and half metres are labelled between the red and black lines. **Figure 1c:** Depth labels on core in a tray with full core recovery should approximately line up diagonally from top left to bottom right (in the illustrated orientation). Note that the driller's block reads from the same side as the core depth labels; the block and all other labels should be legible from eye height when the core tray is on the ground. A specimen label for the white-painted long side of the core tray is shown at bottom of **Figure 1c**.



Figure 1a



Figure 1b



Figure 1c

Figure 1. Correct labelling of core and core trays

2.2 Pallet layout

All core material delivered to the Core Facilities:

- must be delivered on a standard pallet (AS:4068) of good condition
- trays should be stacked in reverse sequential order and clearly labelled (**Figure 2**)
- Lids must be fitted on top trays to prevent loss or damage of samples during transport
- pallets must be strapped with steel strapping 3 straps each side (**Figure 3**)
- pallets should not exceed 1 tonne in weight (approximately 10-15 trays depending on core type and size) and should not exceed 1000mm in height.

PALLET LAYOUT

Box 1	Box 2	Box 3
Box 4	Box 5	Box 6
Box 7	Box 8	Box 9
Box 10	Box 11	Box 12
Box 13	Box 14	Box 15
Box 16	Box 17	Box 18
Box 19	Box 20	Box 21

Figure 2

PALLET STRAPPING (FOR TRANSPORTING)

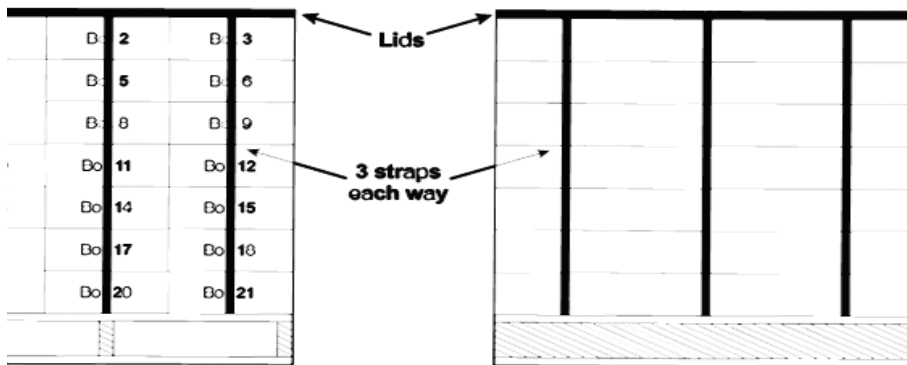


Figure 3