



Government of Western Australia  
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The Digital Core Atlas for well DMP Harvey 3 provides a detailed view of 1036.40 m of HQ3-sized core (61.1 mm) drilled by the Geological Survey of Western Australia (GSWA) in December 2014. The Core Atlas project is a product of GSWA, which combines core photographs with the raw datasets collected from the well in one fully integrated package. DMP Harvey 3, Perth Basin: Digital Core Atlas was funded by the Australian Commonwealth Government CCS Flagship Program through the Department of Industry, Innovation and Science.

This Digital Core Atlas is presented in an electronic flip-book design with interactive links that enable the user to view the results of multiple datasets in one convenient and user-friendly location. Each core tray has a field photo and HyLogger photo, marked with depths and icons linked to each of the various analyses available for a given depth interval. These linked datasets include: biostratigraphy, inorganic geochemistry, organic geochemistry, petrography and petrophysics. Each page shows the location of the core tray being displayed and contains a link to a detailed stratigraphic log for the interval containing that core tray.

A schematic stratigraphic log is located on each page to indicate the stratigraphic location for the core being displayed.

#### Datasets presented in DMP Harvey 3, Perth Basin: Digital Core Atlas include:

1. Biostratigraphy
  - Palynology
2. Inorganic geochemistry
  - X-ray diffraction (XRD)
3. Organic geochemistry
  - Total organic matter (TOG)
  - Rock-Eval (RE)
4. Petrography
  - Organic matter reflectance (OMR)
  - Scanning electron microscopy (SEM)
  - Sedimentary facies (SF)
  - Thin sections (TS)
5. Petrophysics
  - Mercury injection capillary pressure (MICP)
  - Porosity and permeability (PP)

## DMP Harvey 3, Perth Basin: Digital Core Atlas

Free (online): <<https://wapims.dmp.wa.gov.au/WAPIMS/Search/CoreAtlas>>.

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