



Government of Western Australia  
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The Digital Core Atlas for well GSWA Harvey 1 provides a detailed view of 217.00 m of HQ-sized core (100 mm) drilled by the Geological Survey of Western Australia (GSWA) in early 2012. The Core Atlas project is a product of the GSWA, which combines core photographs with the raw datasets collected from the well in one fully integrated package. The GSWA Harvey 1, 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 the GSWA Harvey 1, Perth Basin: Digital Core Atlas include:**

1. Biostratigraphy  
Palynology
2. Geochronology  
Laser ablation inductively coupled plasma mass spectrometry (LA-ICP-MS)
3. Inorganic geochemistry  
Quantitative evaluation of minerals by scanning (QEMSCAN)  
X-ray diffraction (XRD)
4. Organic geochemistry  
Gas chromatography flame ionization detector (GC-FID)
5. Petrography  
Organic matter reflectance (OMR)  
Thin sections (TS)
6. Petrophysics  
Core flooding analysis (CFA)  
Microcomputed tomography (MCT)  
Mercury injection capillary pressure (MICP)  
Porosity and permeability (PP)

**GSWA Harvey 1, Perth Basin: Digital Core Atlas**

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

Enquiries to Email: [bookshop@dmirs.wa.gov.au](mailto:bookshop@dmirs.wa.gov.au); Phone: +61 8 9222 3459; Fax: +61 8 9222 3444.