

PERTH CORE LIBRARY

The Perth Core Library at Carlisle was established in 2002 as a secure, purpose-built facility to store Western Australian petroleum and mineral core. Companies and researchers can view extensive collections of core, cuttings and sidewall cores representing 60 years of onshore and offshore mineral and petroleum exploration (dating back to the first petroleum well drilled at Rough Range in 1953).

National Offshore Petroleum Data and Core Repository (NOPDCR)

Since the formation of National Offshore Petroleum Titles Administrator (NOPTA), the Perth Core Library has continued to house petroleum core and cuttings from exploration in offshore Commonwealth-controlled waters. It is now also the western hub of the National Offshore Petroleum Data and Core Repository (NOPDCR).The Department of Mines, Industry Regulation and Safety (DMIRS) continues to facilitate the storage, viewing and sampling of such core and cuttings under service-level agreements with NOPTA and Geoscience Australia.

Key features of the agreements

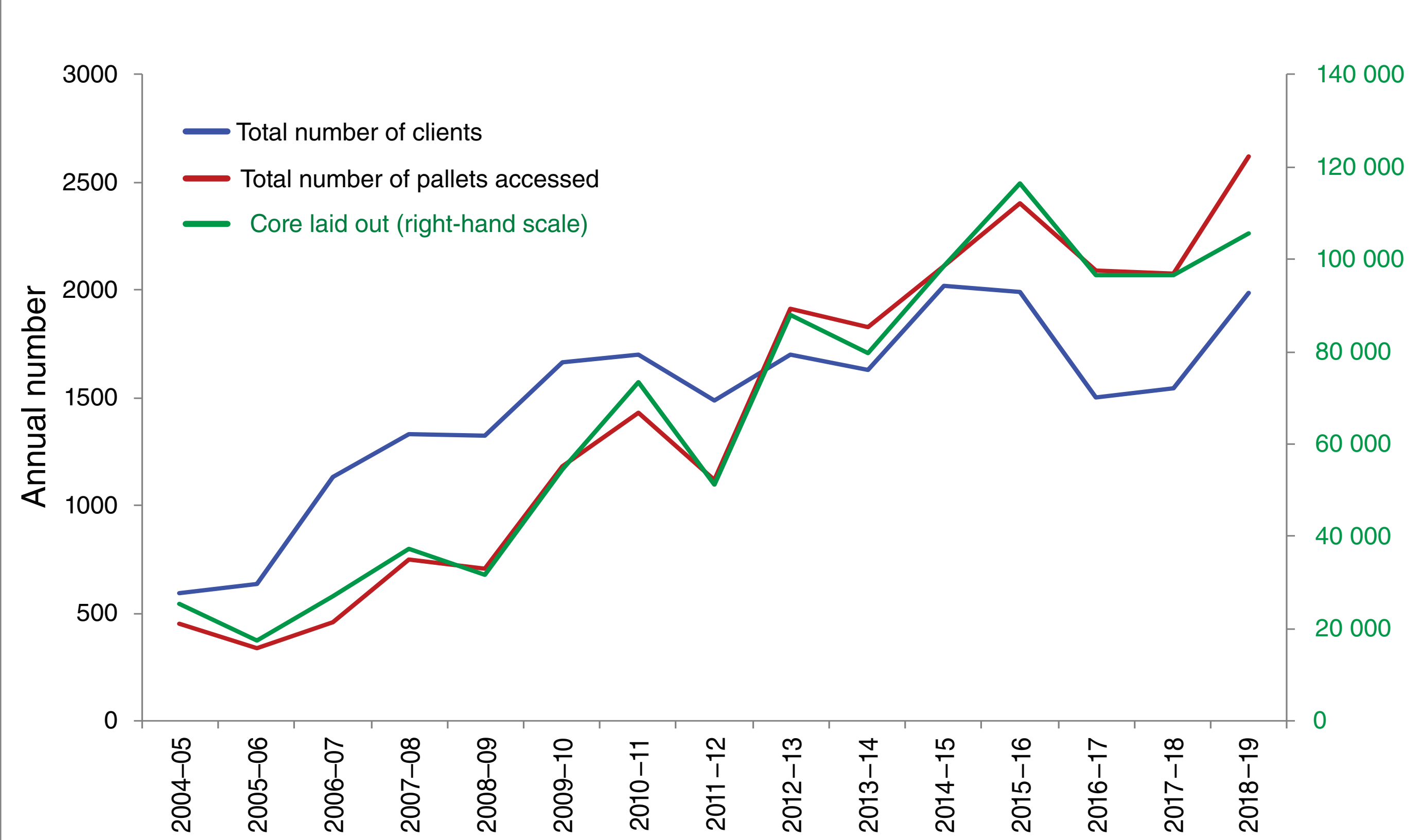
- The Perth Core Library is the repository of samples generated from historical offshore petroleum exploration off other states and territories, and will handle core and cuttings from future offshore exploration
- Such historical material has been moved to Perth, with core drilled offshore from the Northern Territory, South Australia, Queensland, Victoria and Tasmania already received
- The Perth Core Library will store two-thirds of each core plus all ditch cuttings and side-wall cores from Commonwealth-managed offshore petroleum drilling around Australia
- Viewing and sampling of open-file offshore petroleum core and cuttings is subject to approval by Geoscience Australia
- Viewing and sampling of confidential offshore petroleum core and cuttings is subject to approval by NOPTA
- Actual viewing and sampling are subject to DMIRS scheduling and conditions

Summary of Perth Core Library activities — 2018–19

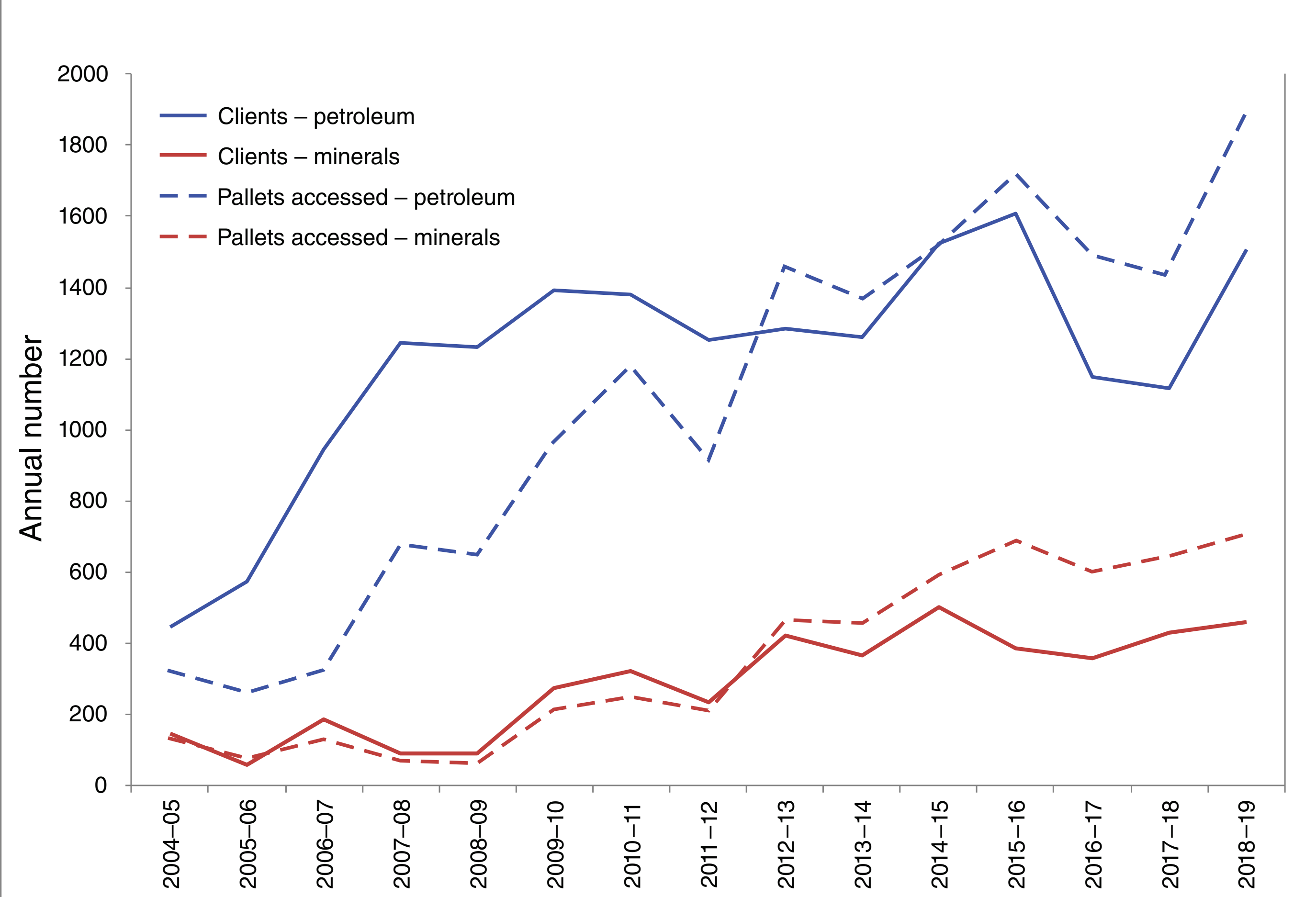
		Clients		Recent drilling core received		Core donations received	
		Number	%	m	%	m	%
Petroleum	Commonwealth	1019	52	53	0.5	765	6
	State	490	25	241	1.5	0	0
Minerals		460	23	15 573	98	12 646	94
Totals		1969		15 867		13 411	

This has involved accessing 2299 pallets and 309 boxes of ditch cuttings. A total of 105 560 metres of core was laid out for customers in 2018–19

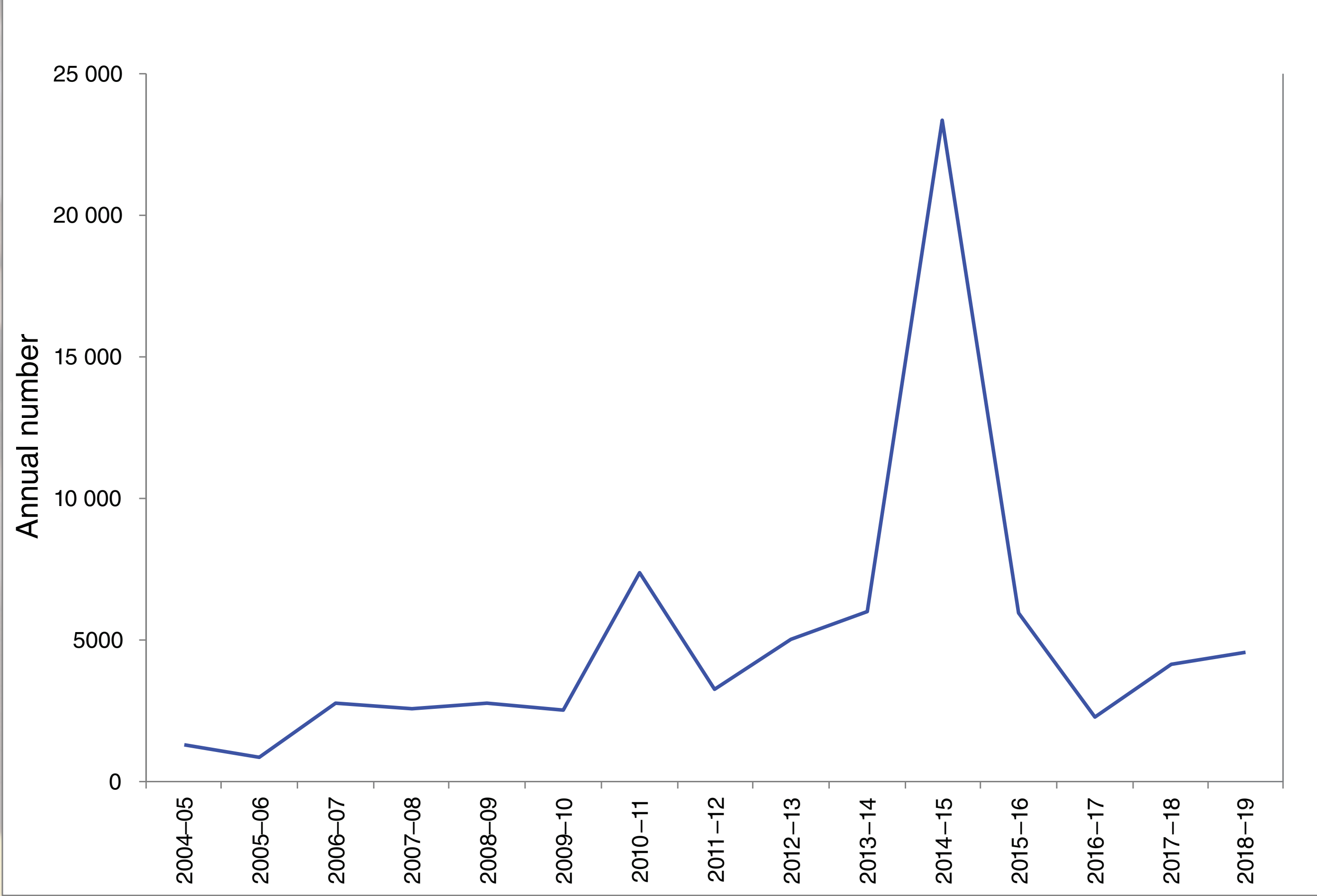
Minerals and petroleum usage statistics — the upturn (2018–19)



Usage statistics — petroleum vs mineral clients



Usage statistics — samples taken



Time-lapse video of library expansion works
To view the video, go to the QR code app on your phone and hover over the QR code image. You will then be directed to the video.



Expansion of the Perth Core Library

- The \$7.3 million expansion of the Perth Core Library officially opened on 2 November 2016. The racking capacity has been almost doubled to 15 400 pallets, sufficient to store the forecast delivery of core and cuttings until about 2033
- As part of the expansion, the original outdoor viewing area has been completely covered, and includes a dedicated room to house the HyLogger spectral scanner
- Funding covered the purchase of a second high-rise turret truck and a new forklift, thus ensuring improved operational continuity
- Funding of \$4.8 million for expansion of the core storage area was approved in the May 2014 State Budget. The additional \$2.5 million required to enclose the external viewing area included \$1.2 million provided by NOPTA



Accessing mineral and petroleum core cuttings

Viewing and sampling of mineral or petroleum core or cuttings must be approved and scheduled in advance, to ensure access at the client's preferred time/date.

For mineral core, contact the Core Librarian
Phone: 08 9470 0305 Email: corelibrary.requests@dmirs.wa.gov.au

For open-file or confidential petroleum core and cuttings from Western Australia onshore or State-controlled offshore waters, contact DMIRS (Western Australia)
Email: corelibrary.requests@dmirs.wa.gov.au

For open-file offshore petroleum core and cuttings, contact Geoscience Australia
Email: ausgeodata@ga.gov.au

For confidential offshore petroleum core and cuttings, contact NOPTA
Email: data@nopta.gov.au

Searching for Core Library assets

All mineral and petroleum core and cuttings stored in the Perth Core Library are catalogued, and searches can now be done via the Western Australian Petroleum and Geothermal Information Management System (WAPIMS).

