Improving access to geoscience information: Recent highlights







Topics







Industry drilling and geochemical data

Capture of legacy drilling and geochemical data on ceased titles

- Approximately 12,100 reports across the NT
- Reports identified using MEX keywords
- Large volumes of data, duplication, mixture of hard copy and digital, repeats complexity
- Phase 1 capture of data from reports that have no data already entered in the database
- Initial focus on the Tennant Creek and Barkly Regions to the Queensland border – approximately 2900 reports



mpany Reports

Before 2000





Geochemistry and drilling – Tennant Creek – Barkly Region

DRILL HOLES







SURFACE SAMPLES

Geochemistry and drilling – 2020-21 data releases

Data Type	DIP 001 March 2020	DIP 001 April 2021	2020-2021 Release
Drill hole collars	161,800	220,300	58,500
Drill samples	783,200	1,418,700	635,500
Surface samples	296,700	358,300	61,600
Note: figures rounded to neare	st hundred		

 Includes legacy and routinely open filed data

Legacy data captured from:

- Flynn, Tennant Creek, Kelly, Barkly and Gosse River 100k map sheets completed (475 reports)
- Alroy, Ranken, Mount Drummond, Brunette Downs and Calvert Hills 250k map sheets (557 reports) – completed
- Walhallow 250k map sheet (235 reports) in progress





Geochemistry and drilling – Data distribution

As at 14 April 2021







STRIKE – strike.nt.gov.au

DEPARTMENT OF INDUSTRY, TOURISM AND TRADE Feedback | DITT Home | Help Quick Search: Quick search P× 能 Mineral Titles Exploration Licence - Applicatio Layers 🛗 Search E Legend 🔉 Map Data 🔲 Title Summary Report Down User Guide × 🖶 Upload 🛛 🏠 🔍 🔍 🗛 💥 🧮 🐻 🔎 Print+ Q 5 0 A 🗌 - 🐚 B V Selection 🛛 🔲 Titles Register 🔒 📃 Mineral Titles Petroleum and Pipeline Titles 🗄 📃 Geothermal Titles B Drilling Diamond Exploration Geochronology B Geology B Ceophysics Hineral Deposits and Mines B Indexes B Industry Reports Administrative Boundaries Graticules and Blocks Land Information SEEBASE V SeeBase Image ophysical I ASTER Imagery B V Aerial Photography Tennant Cree 138.21380. -16.0805 Scale 1: 3,754,195 ✓ Map ⊂ Active Geophysical Imagery Aerial Photography: (-) 100 150kn Selection Size: 0 0 50

TENURE AND GEOSCIENCE INFORMATION

- New NT SEEBASE
 image
- Updated to secure website
- https://strike.nt.gov.au

Coming soon.... User guide tab

- improved access
- updated





POINT - Petroleum Onshore Information Northern Territory

- Released 17 February 2021
- Provides information on proposed and approved activities, including:
 - environmental approvals
 - environment management plans
 - monitoring data
 - compliance reporting

And relating to:

- Our regulatory framework
- Industry codes of practice and guidelines
- Geological basins and sub-basins
- Petroleum titles
- Petroleum wells
- Companies with petroleum interests





POINT – Data Catalogue

Focussed on environmental data and reports, including environmental management plans, well integrity, water bore data

Navigate data catalogue by mode:

- NT wide/general
- Basins and sub-basins
- Titles
- Wells
- Monitoring (water)
- Companies
- Well reports
 - Links to GEMIS for well completion reports









resourcingtheterritory.nt.gov.au

Resourcing the Territory

- News and events
 - latest news on home page
 - **Exploration News** • - improved results display
- Data and Publications recent releases

News

AGES

Events and

Latest industry news from the Territory

The Northern Territory Geological Survey (NTGS) collates news on mineral and petroleum exploration in the Northern Territory sourced directly from:

- stock exchange announcements; and

View a summary of the most recent exploration news 27.

Disclaimer: The exploration news database may not comprehensively contain all publicly available information from companies operating in the Northern Territory. The information in the exploration news database is compiled from public sources and is not

15/04/2021 Exploration News content is sourced from industry journals, media releases. stock exchange announcements and company websites News from the last 30 days is listed below. For older news see the Exploration News Database Molyhil Project - Mineral Resource Estimate Updated News and Eve Thor Mining, Announcement, 8 April 2021 https://www.thormining.com/

Battery Grade Lithium Hydroxide produced from Finniss Project Concentrate presentations Core Lithium Ltd, Announcement, 6 April 2021

https://corelithium.com.au/announcement Exploration news

Alligator Projects and Market Update - Positive Samphire geophysics and grant of tenements in West Arnhem Alligator Energy Ltd, Announcement, 6 April 2021 http://www.alligatorenergy.com.au/

LATEST EXPLORATION NEWS

Inca Doubles its Exploration Footprint in the East Tennant Region of the Northern Territory to 4,736KM2 Inca Minerals Ltd, Announcement, 6 April 2021 https://www.incaminerals.com.au/







NTGS Monthly Alert

- NTGS Update has been refreshed and integrated with our Resourcing the Territory mailout
- The NTGS Monthly Alert brings the latest news from NTGS including updates on events and new releases from the Resourcing the Territory initiative.
- First issue of NTGS Monthly Alert October 2020
- Receive notifications of news, upcoming events and product releases from us subscribe online







Industry reports

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PEX

Commenced digitising hard copy well logs and seismic sections

- Digitised various logs of 20 wells in McArthur Basin / Beetaloo Sub-basin, Amadeus Basin and Georgina Basin
- Vectorised 10 lines of Kilgour 2D SS 1992 in McArthur Basin (EP25)

MEX - Last 12 months

- Reports received 2013 to 2014 have been released under the five year sunset clause of the *Mineral Titles Act*
- ~ 1200 reports were open filed in 2020
- 1220 MEX records have had geophysical datasets added for download over the last 3 years (478 March to October 2020) – 2043 CRs with data in GEMIS







New NTGS Products

- NT wide magnetic, radiometric and gravity grids, images and maps (2020)
- West Amadeus Basin 500k map, explanatory notes and GIS
- 4 revised 250k GIS datasets and 3 new 100k GIS datasets
- 9 new DIPs including 2 x NT SEEBASE, 6 x Warramunga Province mineral deposit series
- 20 HyLogger Data Packages
- 14 new Records

Just released

- AGES 2021 Proceedings
- Metallogenic Map of the NT (2021)
- Updates to DIP001, DIP003, DIP008, DIP013, DIP014
- 3 new DIPs 2 x Tanami aeromagnetic interpretation (NTGS and CSIRO) and compilation of industry geophysical data over Tennant Creek and Rover mineral fields









GIS 250k map datasets

- Review of datasets identified varying quality issues in 2019
- Revisions and re-release of datasets, including ESRI shape format in progress
- Since 2019, 31 datasets re-released
- Calvert Hills, Beetaloo, Alroy, Pine Creek completed in last 12 months
- Darwin, Alice Springs coming soon
- Huckitta, Illogwa Creek, Green Swamp Well and Lander River next....





Feedback and Requests



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