Annual Report Release Policy (ARRP) Data Digitisation Project – a wealth of new data unlocked from DiGS

SMEDG 28 November 2024 **Erin Holmes** Manager Mining and Exploration Assessment



NSW Resources



Agenda

Topic

1. Annual Report Release Policy – Background

2. New reports and data available

NSW Resources



Annual Report Release Policy and Data Digitisation Background

Annual Report Release Policy (ARRP)



Background

2016 changes to the Mining Regulation implemented a 'Sunset Clause'

- Allows for the release of annual reports 5 years after lodgement
- Meets NSW Minerals Strategy (2019) commitment

Action	Description	Benefits	Completion timeframe
1.1 Contribute \$16 million to the development of future deep exploration technologies and unlock new greenfield exploration through participation in MinEx CRC	The Mineral Exploration Cooperative Research Centre (MinEx CRC) is the world's largest mineral exploration geoscience collaboration, bringing together industry, government and research organisations. It will focus on unlocking covered terranes for mineral exploration. The NSW Government has committed \$16 million to the centre over the next 10 years and will work with explorers to ensure NSW leverages the best possible return from this investment.	Unlock new mineral resources across areas of NSW that are under cover and provide data on potential areas for exploration.	End 2028
1.2 Review the work program of GSNSW	The work program of the GSNSW will be reviewed to maximise its effectiveness. The review will identify further opportunities to partner with industry and institutions in the collection, analysis and dissemination of geoscientific data.	Ensure that potential investors in minerals exploration and other stakeholders have access to the geoscientific information they need as efficiently as possible.	December 2019
1.3 Make historical exploration data easily available	A significant amount of historic exploration data will become publicly available in June 2021. This will be validated, digitised, organised and made available in a readily accessible format.	Enable explorers to better target their efforts by providing easy access to historical exploration data.	June 2021
1.4	The high-tech metal resources of NSW	Raise community	February

ARRP-staged implementation



Stage 1

- Published 1 October 2021
- Included release of reports and data for exploration licences and assessment leases for mineral groups 1-6 and 10

Stage 2

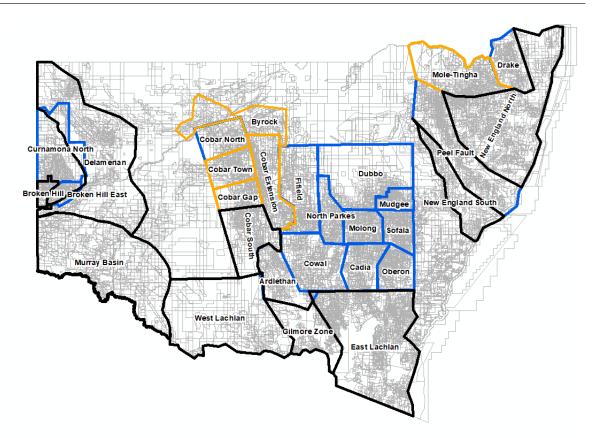
- Published 28 March 2024
- Includes release of reports and data for exploration licences and assessment leases for all remaining mineral groups excluding Group 7 (Opal)

ARRP-Data Digitisation Project



4 year project to digitally capture and validate pre-2000 company exploration data

- Funding made available from the NSW Minerals Strategy
- Data mined and digitised from DIGS scanned documents
 - Drillhole collars
 - Lithology at bottom of drillholes (no downhole lithology captured)
 - Downhole surveys
 - Downhole geochemistry
 - Surface geochemistry
 - Report metadata summarising all other data available
- Priority areas-Areas highly prized by mineral explorers and host to many of NSW's critical mineral occurrences



Blue: Complete, Orange: To be complete by end 2024, Black: Reports reviewed but not data mined **NSW Resources**



Annual Report Release Policy and Data Digitisation

New reports and data available



ARRP-New mineral reports released



Reports released (total)

2022 – 2,860 reports released

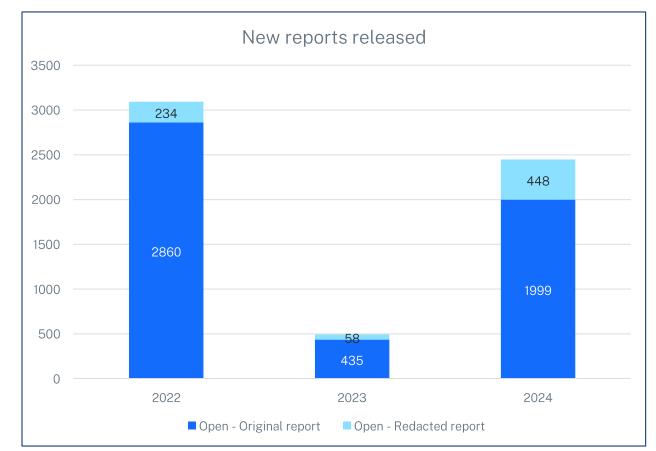
- 2023 435 reports released
- **2024**–1,999 reports eligible (release in progress, to be complete by April 2025)

Reports redacted prior to release

2022 - 234 (8%)

2023-58 (13%)

2024-448 requests. Redactions pending (22%)

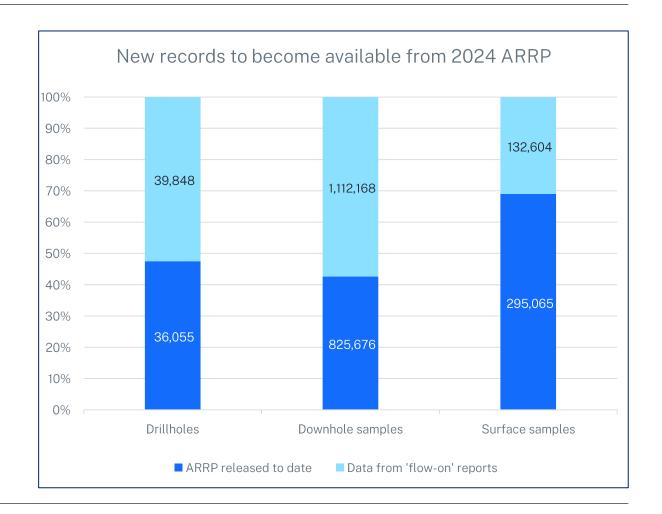


Release of flow-on reports for Groups 1-6 & 10



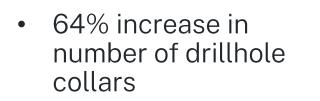
New data that will become available for release under revised ARRP (2024)

- 39,000 new drillholes
- 1,100,000 new drillhole geochemistry samples
- 132,000 new surface samples
- 120 new airborne geophysical surveys
- 364 new ground geophysical surveys

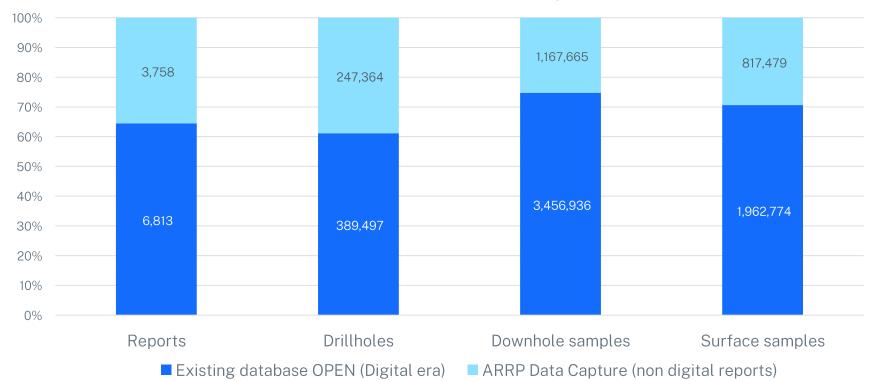


ARRP Data Digitisation – Significant growth of mineral exploration datasets





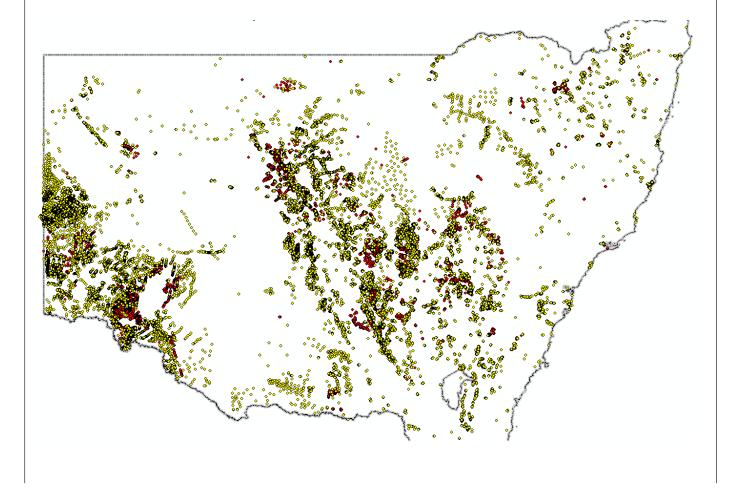
- 34% increase in number of downhole samples
- 42% increase in number of surface samples

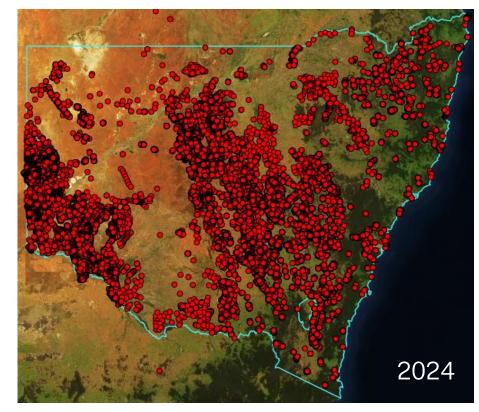


Total Drillhole & Geochemistry dataset



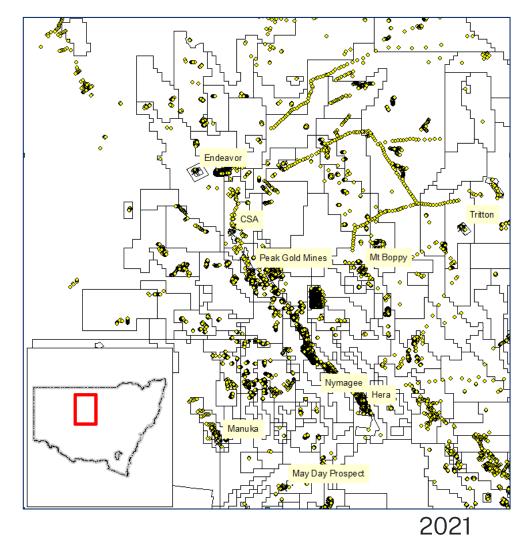
New data available

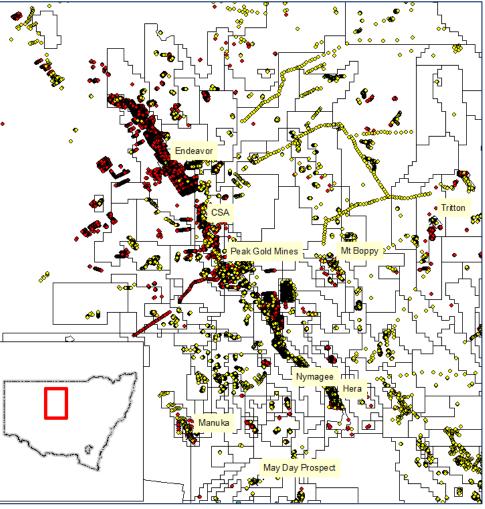






New data available – Example





Yellow = previously available Red = new data available

2024

All data is available from MinView

149.771

-32.666 149.772

-32.666

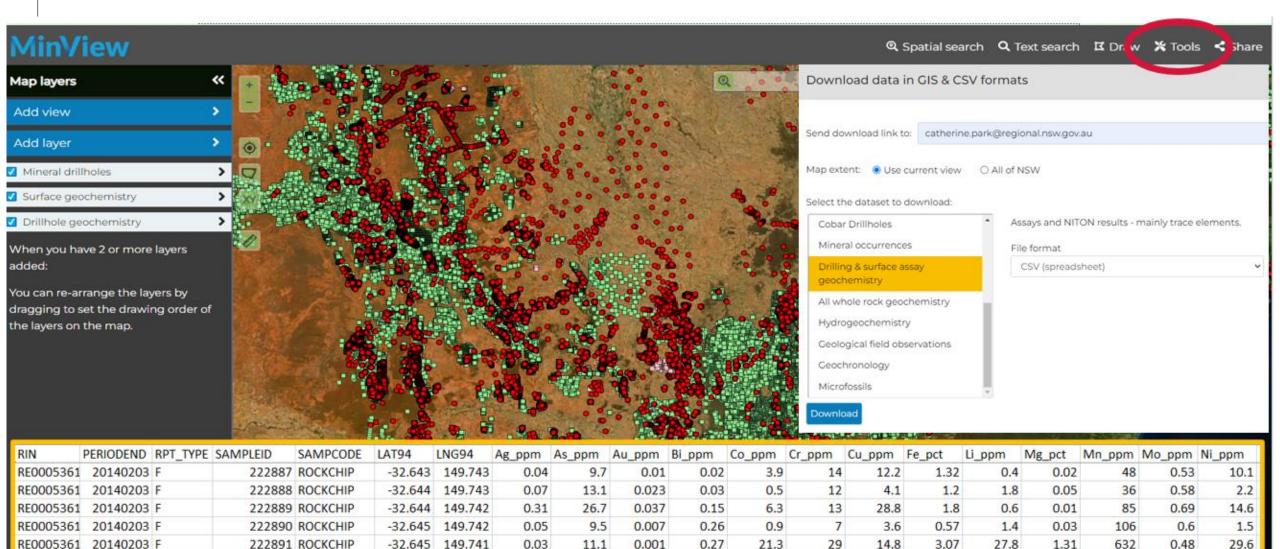
RE0005361 20140203 F

RE0005361 20140203 F

222901 SOIL

222902 SOIL





27.3

24.7

0.11

0.32

-0.001

0.017

0.18

0.12

17.7

22.9

59

85

17.8

23.6

2.38

3.27

14.8

33.2

1.03

2.06

832

1020

0.88

0.52

32.9

41.5

