











## ESSENTIAL STATISTICAL ASSETS FOR AUSTRALIA

# ESA – 112 PETROLEUM AND MINERAL RESOURCES STATISTICS

### Summary of Quality Assessment Results

Overall ESA Assessment	Institutional Environment	Relevance	Timeliness	Accuracy	Coherence	Interpretability	Accessibility
 Green	 Green	 Green	 Green	 Green	 Green	 Green	 Green

### List of Contributing Datasets and Custodians

- Mineral and Petroleum Exploration dataset (ABS)
- Minerals Resources Database (GA)
- Petroleum Reserves and Resources (GA)

### ESA Elements

Pillar	Dimension	Description	Critical Frequency	Critical Spatial	Critical Disaggregation
Economy; Environment	National Wealth; Land	Includes economic demonstrated resources, sub-economic demonstrated resources, extraction rates, and discoveries.	Annually	State/Territory	Resource

### Overall ESA Assessment

The quality of ESA – 112 Petroleum and Mineral Resources Statistics was assessed as a green traffic light for the purpose of ESA. The overall quality of this statistic met an acceptable standard for the quality indicators selected and the appropriate quality practices and processes were in place. This statistic quality assessment was based on quality information about the contributing datasets. Data custodians can be contacted for further information about the quality of the datasets which contributed to the statistic.

*For more detailed quality information about each dimension, see over page*





## ESA – 112 PETROLEUM AND MINERAL RESOURCES STATISTICS

### Institutional Environment

The statistic scored a green traffic light for institutional environment. There were sufficient quality and risk management processes in place, protections for confidentiality and archiving processes. Staff were trained in data collation and the statistical purpose of the administrative records. There were procedures for identifying errors however methods for acknowledging corrected errors in publically released data were not always in place.

### Relevance

The statistic scored a green traffic light for relevance. All key information identified in the description of the statistic was available. The critical spatial levels and critical disaggregations identified for the statistic were also available.

### Timeliness

The statistic scored a green traffic light for timeliness. The critical frequency for the statistic was met. The duration between collection and release of data was timely. Users were generally able to access the release of new data when expected, with some delays.

### Accuracy

The statistic scored a green traffic light for accuracy. There were no known under or overcounts or under or overrepresentation in the statistic and there were sufficient measures in place to adjust for missing values and non-response. Some of the target population was not sufficiently represented in the statistic, such as discoveries in exploration permits and vacant acreage not reported.

### Coherence

The statistic scored a green traffic light for coherence. Information for the statistic was able to be compared over time as there were no changes to collection procedures and population and characteristic definitions remained consistent. Information compiled from multiple administrative sources was coherent. There were not always external sources available for data confrontation.

### Interpretability

The statistic scored a green traffic light for interpretability. Data quality statements were available and users were able to access additional support if needed. Information for users to better understand the data and descriptions of conceptual limitations were not available in all cases.

### Accessibility

The statistic scored a green traffic light for accessibility. The key information, including visualisations such as graphs or maps, was publicly available and users could access all data in Excel and other formats such as html. Some data was available to users in a machine readable format. The key information was accessible for free with customised data available at a cost in some cases.

### Areas for Improvement

- There were some delays which meant that users were not always able to access the release of new data when expected.
- Some of the target population was not sufficiently represented in the statistic, such as discoveries in exploration permits and vacant acreage not reported.
- Information for users to better understand the data and descriptions of conceptual limitations were not available in all cases.