

NTGS_DIP001_Release Notes

Northern Territory Geochemistry and Drilling Data Package

Digital Information Package 001 (DIP001)

Version: November 2024

Digital Information Package 001 (DIP001) is a compilation of drilling and geochemical sampling data managed by the Northern Territory Geological Survey (NTGS). DIP001 data is sourced from industry statutory reports and NTGS projects. Datasets include:

1. Drillhole collars
2. Drillhole downhole surveys
3. Drillhole sample assays and maximum assays
4. Rocks (rockchips and whole rocks)
5. Soils
6. Stream sediments

Updates are released bi-annually and include both additional legacy data and newly released data. All data, except drillhole sample assays, raw geochemistry, laboratory metadata and downhole survey data can also be downloaded from [STRIKE¹](#).

Data package summary:

DIP001 November 2024	Total number of records	Raw geochem files (csv)	Lab metadata records (csv)
Drillhole collars	292,120		-
Downhole survey	148,044		-
Drillhole sample assays	1,963,537	1,655	39,839
Drillhole maximum assays	168,568	-	-
Rocks	106,343	1,775	57,985
Soils	387,340	1,296	35,676
Stream sediments	135,215	941	23,646

¹ STRIKE not yet updated to reflect the reformatted geochemistry parameters available in this November 2024 release of DIP001.

Folder Structure

01_Metadata	data licencing and dictionary
02_CSV_Files	geochemistry and drilling csv files, raw geochemistry folders and laboratory metadata
03_GIS_ESRI_Files	geochemistry and drilling ESRI shape and geodatabase layers
04_GIS_MapInfo_Files	geochemistry and drilling MapInfo layers

New data in this release:

- Geochemistry reformatted to common units and revised lists of elements/analytes, based on sample type. There are 94 element/unit combinations (without repeats) for rocks and drill samples, and 70 element/unit combinations (without repeats) for soils and stream sediment samples (refer to tables 1 & 2).
- All raw geochemistry from the NTGS database (including repeats, extra elements etc.) exported as csv files for each sample type, separated based on report number.
- Accompanying laboratory metadata csv files for raw geochemistry, according to sample type.
- Drillhole maximum assays – the highest assay result recorded for all down-hole samples in a hole for each element/analyte (table 1), recorded at the collar location of the hole.²

Table 1. Rock and drill sample elements/analytes and units

Ag ppm	FeO pct	Pt ppb	Yb ppm
Al pct	Ga ppm	Rb ppm	Zn ppm
Al2O3 pct	Gd ppm	Re ppm	Zr ppm
As ppm	Ge ppm	Rh ppb	ZrO2 pct
As2O3 pct	Hf ppm	Ru ppm	
Au ppm	Hg ppm	S pct	
B ppm	Ho ppm	Sb ppm	
Ba ppm	In ppm	Sc ppm	
BaO pct	Ir ppm	Se ppm	
Be ppm	K pct	Si pct	
Bi ppm	K2O pct	SiO2 pct	
Br ppm	La ppm	Sm ppm	
C pct	Li ppm	Sn ppm	
Ca pct	Lu ppm	SO3 pct	
CaO pct	Mg pct	Sr ppm	
Cd ppm	MgO pct	SrO pct	
Ce ppm	Mn ppm	Ta ppm	
Cl pct	MnO pct	Tb ppm	
Co ppm	Mo ppm	Te ppm	
Cr ppm	Na pct	Th ppm	
Cr2O3 pct	Na2O pct	Ti pct	
Cs ppm	Nb ppm	TiO2 pct	
Cu ppm	Nd ppm	Tl ppm	
CuO pct	Ni ppm	Tm ppm	
Dy ppm	Os ppb	U ppm	
Er ppm	P pct	U3O8 ppm	
Eu ppm	P2O5 pct	V ppm	
F ppm	Pb ppm	V2O5 pct	
Fe pct	Pd ppb	W ppm	
Fe2O3 pct	Pr ppm	Y ppm	

Table 2. Soil and stream sediment sample elements/analytes and units

Ag ppm	Lu ppm	Ti ppm
Al ppm	Mg ppm	Tl ppm
As ppm	Mn ppm	Tm ppm
Au ppb	Mo ppm	U ppm
Ba ppm	Na pct	V ppm
Be ppm	Nb ppm	W ppm
Bi ppm	Nd ppm	Y ppm
Ca ppm	Ni ppm	Yb ppm
Cd ppm	Os ppb	Zn ppm
Ce ppm	P ppm	Zr ppm
Co ppm	Pb ppm	
Cr ppm	Pd ppb	
Cs ppm	Pr ppm	
Cu ppm	Pt ppb	
Dy ppm	Rb ppm	
Er ppm	Re ppm	
Eu ppm	Rh ppb	
Fe pct	Ru ppb	
Fe2O3 pct	S pct	
Ga ppm	Sb ppm	
Gd ppm	Sc ppm	
Ge ppm	Se ppm	
Hf ppm	SiO2 pct	
Hg ppm	Sm ppm	
Ho ppm	Sn ppm	
In ppm	Sr ppm	
Ir ppm	Ta ppm	
K ppm	Tb ppm	
La ppm	Te ppm	
Li ppm	Th ppm	

² This will be added to STRIKE as a new geochemistry layer in the coming months.

Please refer to the 01_Metadata folder for information on individual datasets, including data dictionaries. Where available the layers are accompanied by ANZLIC standard metadata in html format. The metadata details the lineage, accuracy, consistency, datum, projection and other information relating to the data.

Please refer any data quality, integrity or accessibility issues to:

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Access Constraint

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