

Redbank Exploration Project NT
25k Geological Map Series
WGP-Wollogorang Prospect
Geographic Information Systems

A geographic information system (GIS) is a computer system for capturing, storing, checking, and displaying data related to positions on Earth's surface.

WGP-Wollogorang Prospect 1,091.00 km²

Geological mapping is fundamental to any exploration project.

Effective mineral exploration requires an in-depth understanding of the lithological and structural controls of mineralisation.

These insights must be gained through geological mapping at the early stages of the exploration program. Mapping is a cost-effective exploration tool and a project-generative process that delivers tangible benefits to all exploration programs.

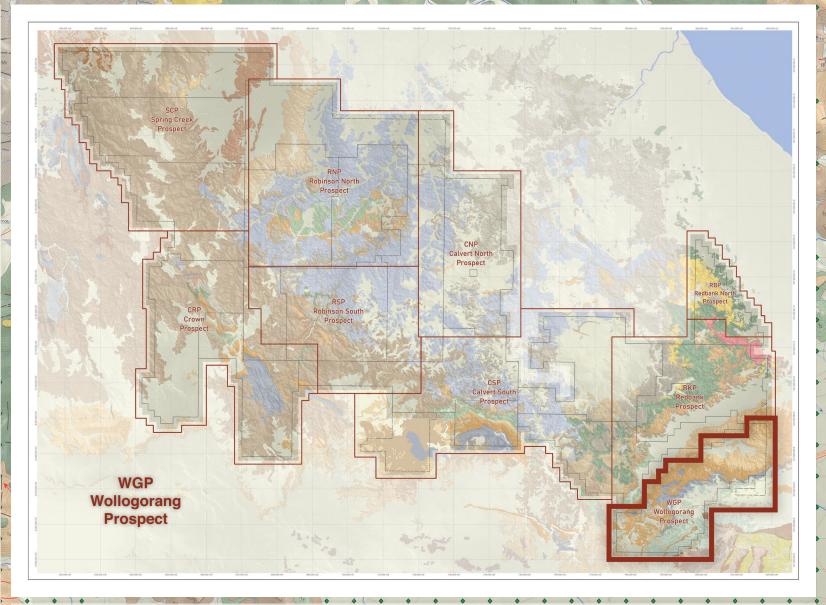
A good geological map not only provides focus to an exploration program, it also clearly communicates the economic potential of a project to stake holders.

Geologists strive to know the composition and structure of Earth matter and depict information in GIS format.

This provides basis for comparisons and facilitates analysis to offer results that can benefit our future.

The Redbank GIS team are currently focused around the area of Digital Mapping.

We understand that at the heart of any Geographical Information System (GIS) is the map database. The efficiency of the GIS is therefore related to the accuracy and reliability of the related map data.









Redbank Exploration Project NT
25k Geological Map Series
WGP-Wollogorang Prospect
Contents-GIS Layers & Images

- 1. WGP-Wollogorang Prospect Regional location
- WGP-Wollogorang Prospect 1,091.00km2
- 2. Contents
 - WGP-Wollogorang Prospect Map Book content.
- 3. Exploration Licences
 - The WGP-Wollogorang Prospect covers several exploration licences, the mapping has included a 2km buffer zone around the WGP-Exploration Licence area
- 4. Geological Map
 - WGP-Wollogorang Prospect digitisation and attribution of Geological layers available in the exploration folder
- 5. Hydrocarbons Map
 - Hydrocarbon classifications have been completed by John Beeson, these layers are fully attributed and available on our server for further investigations.
- 6. Satellite Imagery
 - The highest quality satellite imagery for the WGP, pix50cm World Imagery tiles have merged and then clipped to the WGP prospect boundary
- Digital Elevation Model (DEM)
- This DEM is available in the workspace, there has been a contour layer extracted at 5m intervals, this DEM is also available for the "Discover 3D" module within MapInfo.
- 8. Hydrology Layers
- Detailed hydrology, Rivers, Creeks and Catchment layers are fully attributed and these layers have been supplied as individual catchment areas, as well as a combined hydrology layer..
- 9. 2021-Soils Samples
 - 688 Soil sample points in the WGP, A MapInfo Heatmap Cu-ppm layer has been extracted for the layer.
- 10. 2021-Rock Samples
 - 30 Rock sample points in the WGP, A MapInfo Heatmap Cu-ppm layer has been extracted for the layer.
- 11. NTGS-Stream Sediments (Heat Map)
 - 150 Stream Sediment sample points in the WGP that have 90+ppm of Cu., A MapInfo Heatmap layer has been extracted for the 90+ppm layer
- 12. Drillholes (Historical)
 - There are 34 historical drillholes in the WGP Prospect area
- 13. Geophysics Image (TMIRTP-Tilt)
 - Total magnetic intensity (TMI) -reduced to pole Tilt filter
- 14. Geophysics Image (TMIRTP)
 - Total magnetic intensity (TMI) -reduced to pole
- 15. Geophysics Image (TMIRTP-1VD)
 - Total magnetic intensity (TMI) -reduced to pole First vertical derivative.
- 16. Geophysics Image (KThUr-Ternary)
 - Ternary radioelement potassium(K)-thorium(Th)-uranium(U) channel data. The image is a red-green-blue (RGB) composite using a histogram-equalised colour-stretch for each of the three channels...
- 17 Areas of Interest
 - Detailed Areas of Interest from John Beeson, Mat Cooper, NTGS and the digitising process (David Hantke).
- 18. Areas of Interest (AEM-ET)
 - Regional Government and Historical Open File Airborne Electromagnetic (AEM) Early Time Channel AEM Composite (ET) Time Domain Surveys Only
- 19. Areas of Interest (AEM-MT)
 - Regional Government and Historical Open File Airborne Electromagnetic (AEM) Middle Time Channel AEM Composite (MT) Time Domain Surveys Only
- 20. Areas of Interest (AEM-LT)
 - Regional Government and Historical Open File Airborne Electromagnetic (AEM) Late Time Channel AEM Composite (LT) Time Domain Surveys Only
- 21. MapInfo Workspace
 - The WGP MapInfo Workspace has been set-up and available in the RBK-Exploration Folder, this workspace is our Exploration Database Master for the Wollogorang Prospect



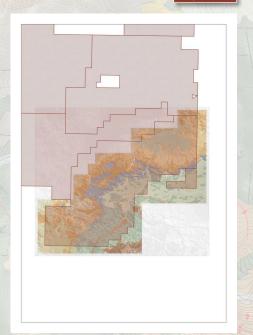




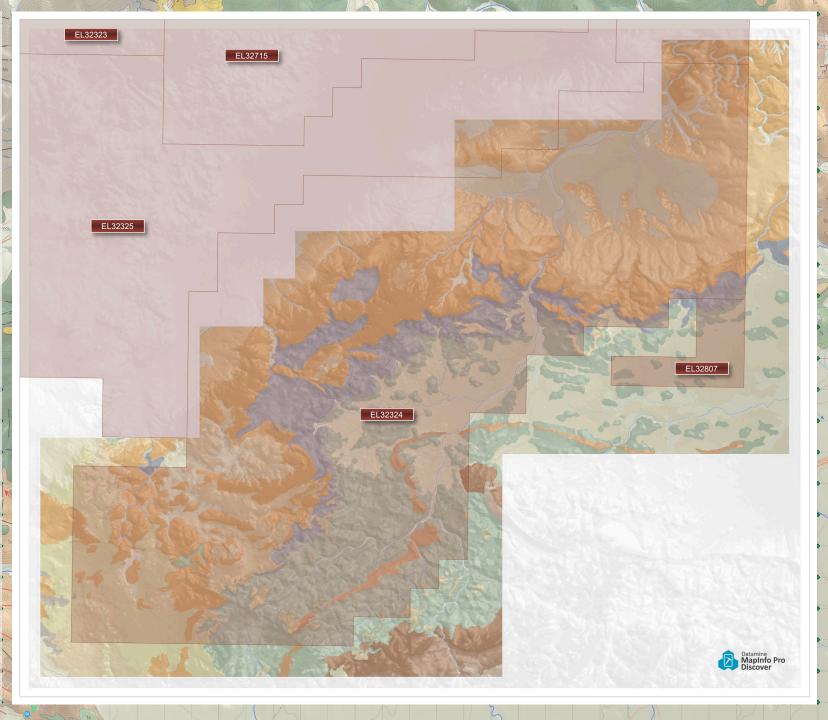
Redbank Exploration Project NT
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WGP-Wollogorang Prospect
Exploration Licences

The WGP-Wollogorang Prospect covers several exploration licences, the mapping has included a 2km buffer zone around the WGP-Exploration Licence area

Granted









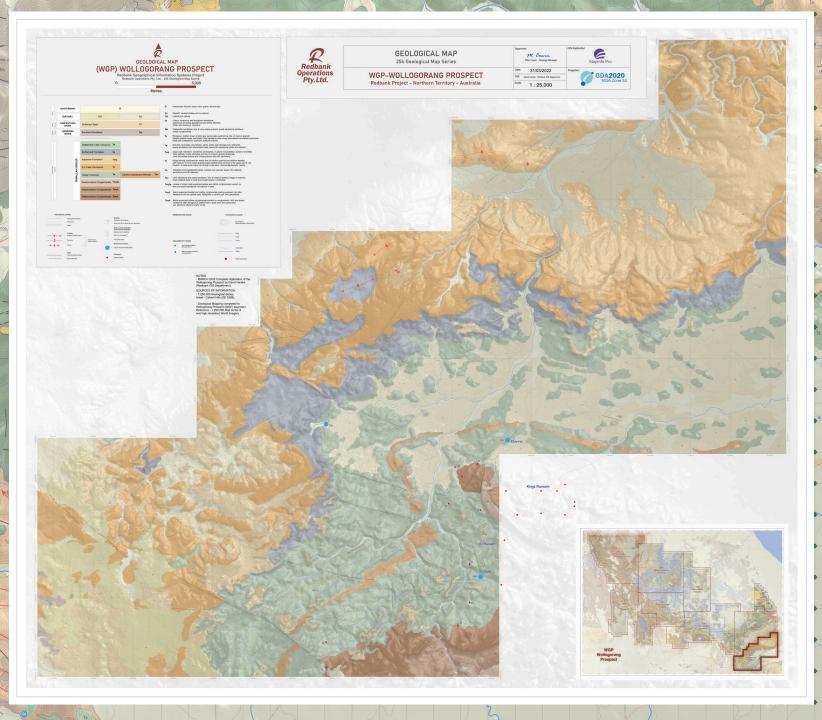
The WGP-Wollogorang Prospect has now been totally digitised and has been placed on our server. This map has a very high level of detail including Geology, Geo Physics, Satellite Imagery, Hydrology, Topography and DEM.



Geological units have been fully attributed in all individual layers, there is also a combined Geology layer with our Redbank codes and hydrocarbon classifications

Contact boundaries are approximate and will be updated as field data becomes available.

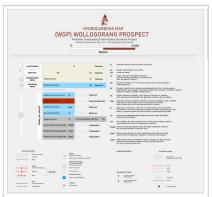






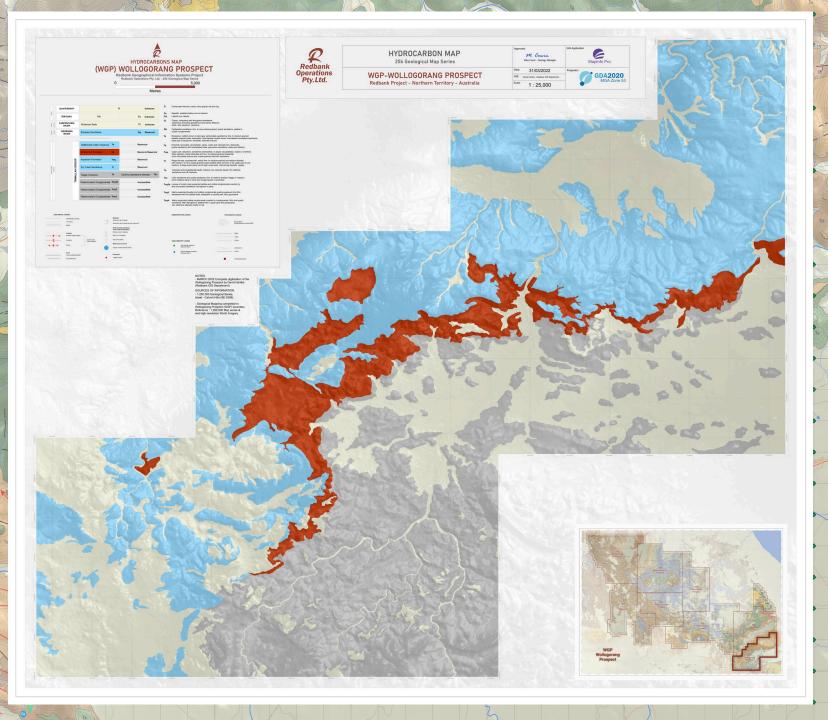
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Hydrocarbons Map

Hydrocarbon classifications have been completed by John Beeson, these layers are fully attributed and available on our server for further investigations.



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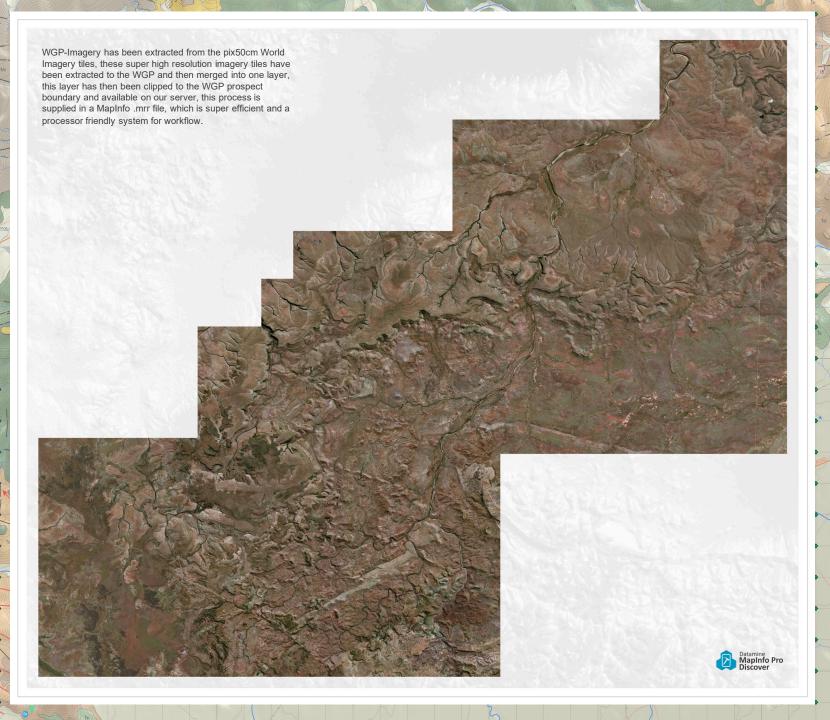




The highest quality satellite imagery has been clipped to WGP boundary and available on our server.



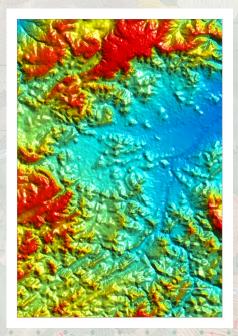




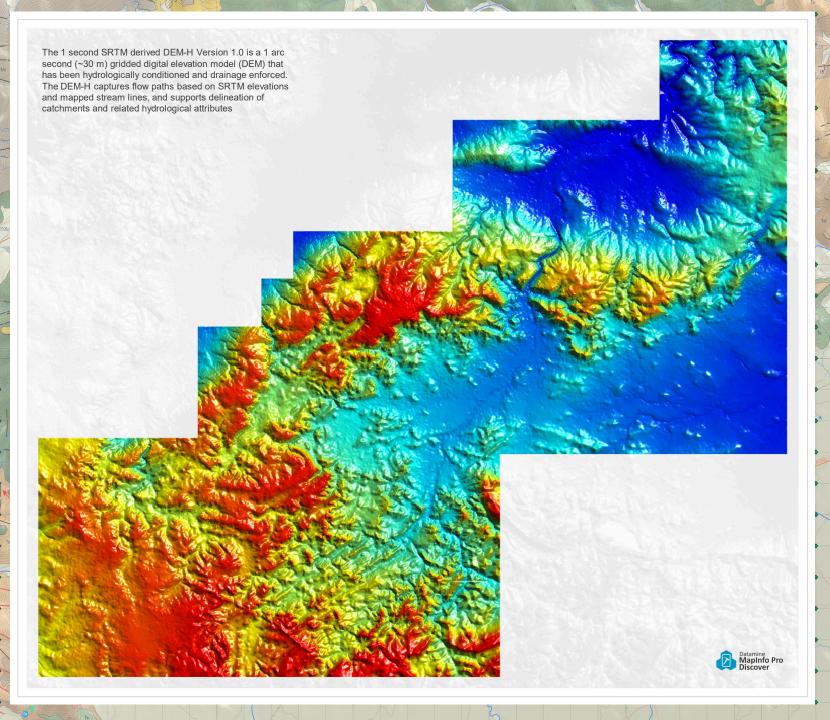


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Digital Elevation Model

This DEM is available in the workspace, there has been a contour layer extracted at 5m intervals, this DEM is also available for the "Discover 3D" module within MapInfo.









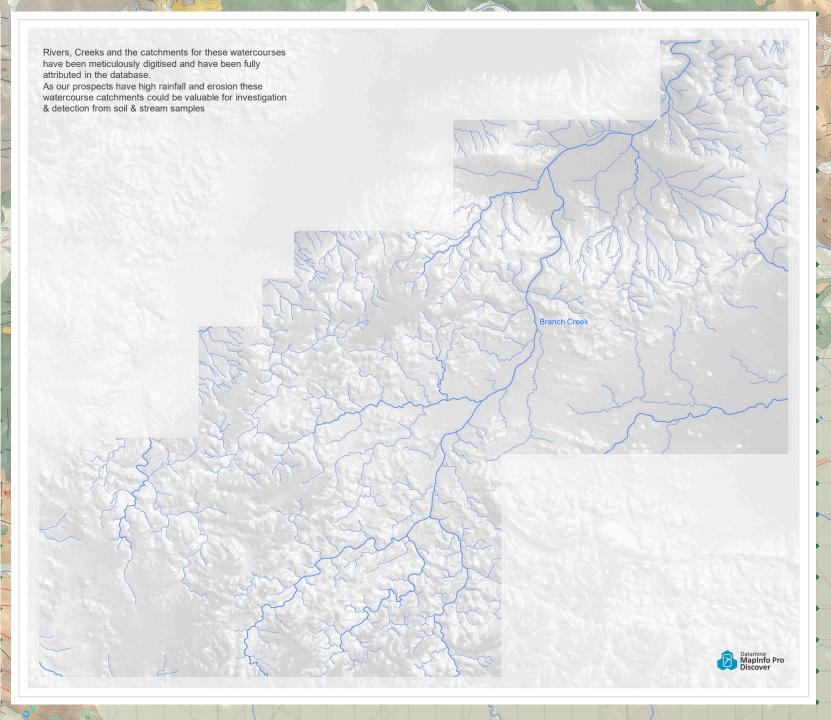
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25k Geological Map Series
WGP-Wollogorang Prospect
Hydrology

Detailed hydrology layers are available in the workspace.

Rivers, Creeks and Catchment layers are fully attributed and these layers have been supplied as individual catchment areas, as well as a combined hydrology layer.



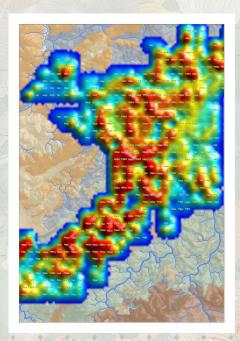




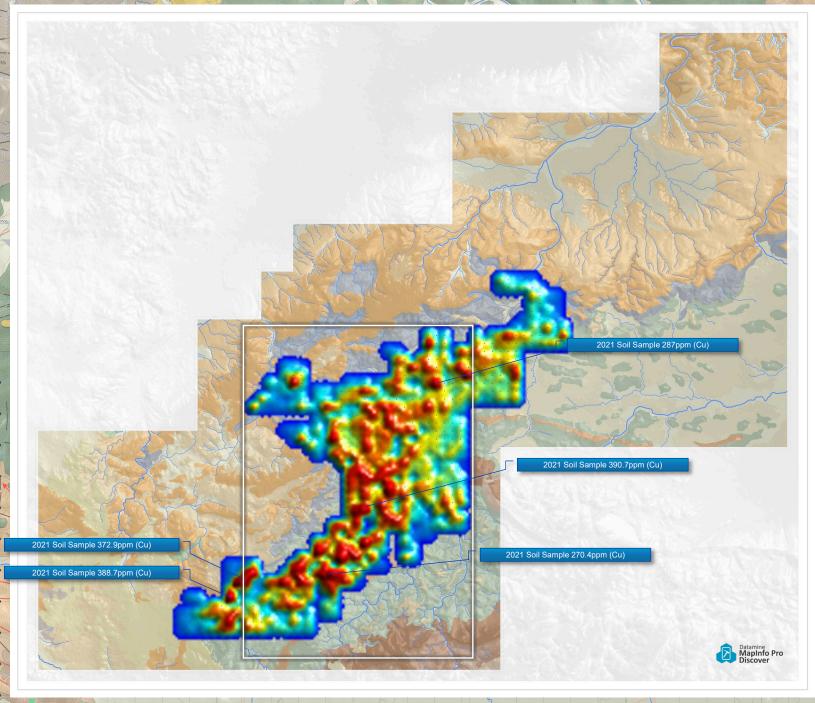


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2021-Soil Samples

Heatmap created showing 688 soil sample locations with the highest @ 390.7 Cu-ppm



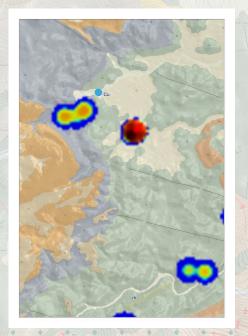




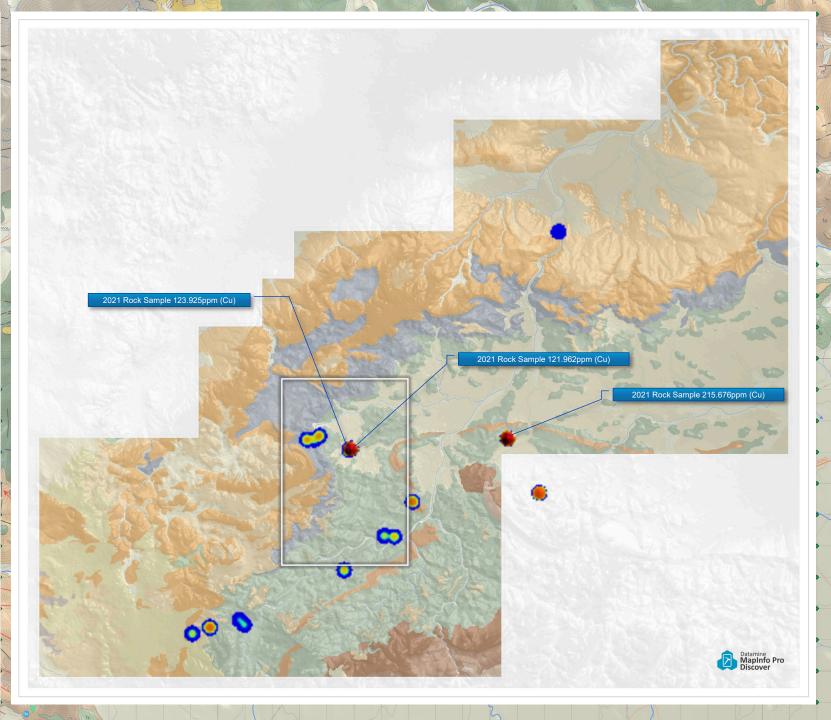


Redbank Exploration Project NT
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WGP-Wollogorang Prospect
2021-Rock Samples

Heatmap created showing 30 sample locations



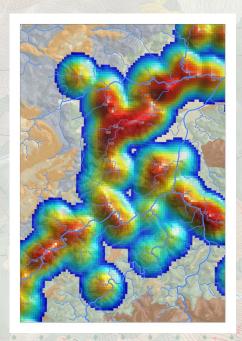




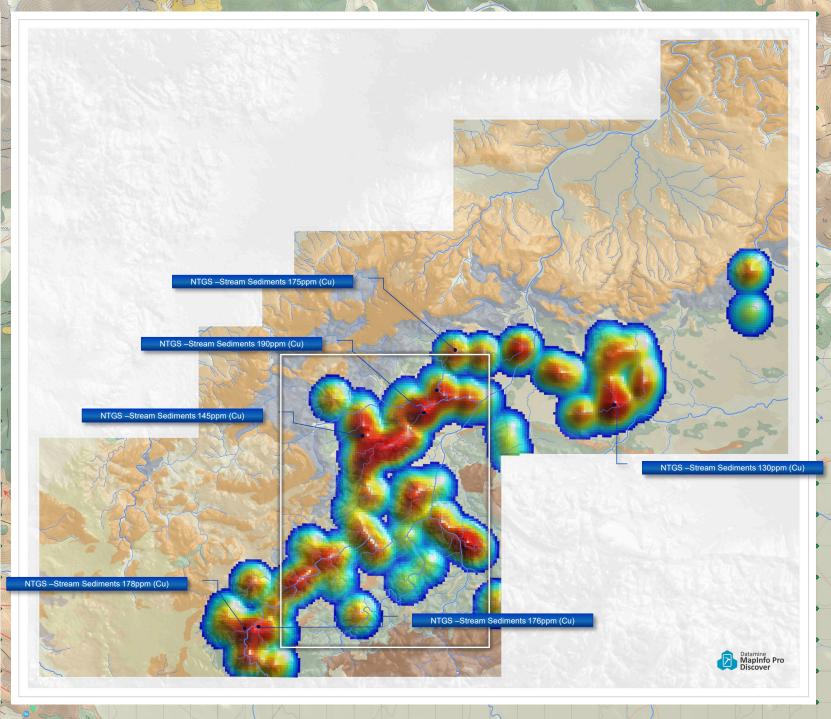


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NTGS-Stream Sediments
90+ppm-Cu Heatmap

There are 150 Stream Sediment sample points in the WGP that have 90+ppm of Cu





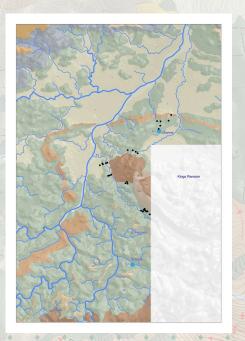




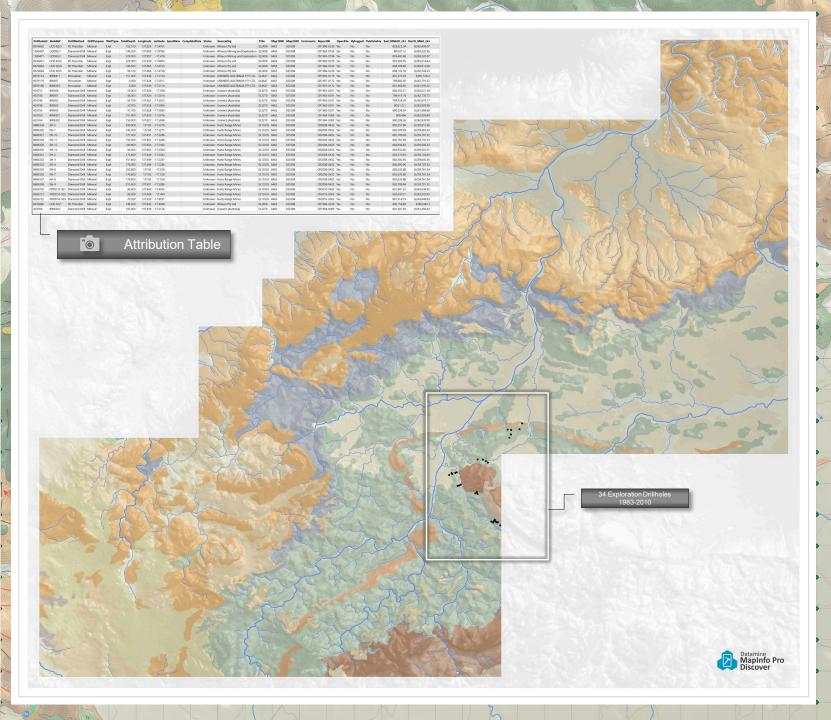
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Drillholes (Historical)

There are 34 historical drillholes in the WGP Prospect area

(Please see table contents for details)





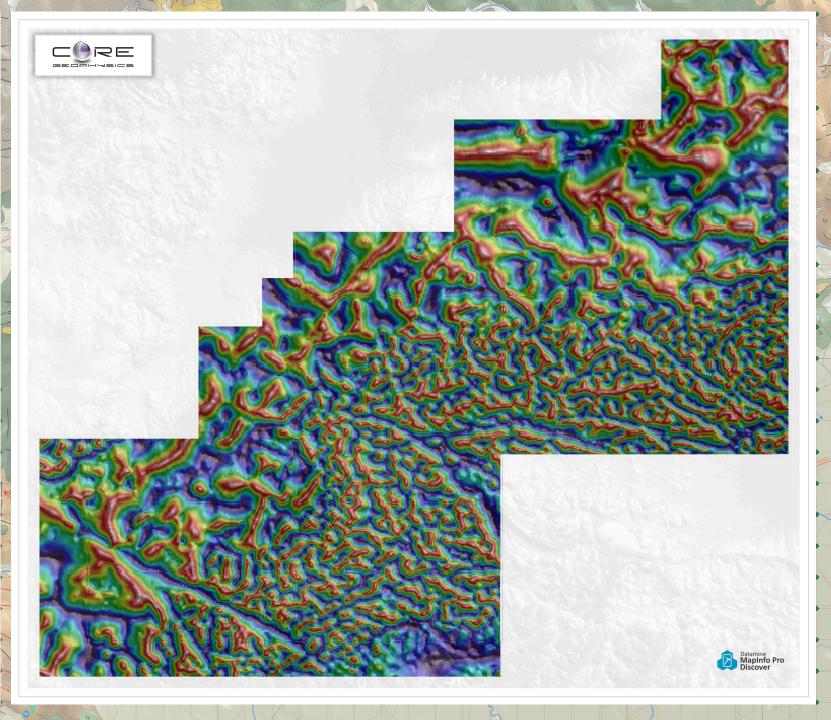




Derived from NTGS Government Aeromagnetic Surveys Total magnetic intensity (TMI) - reduced to pole Tilt filter

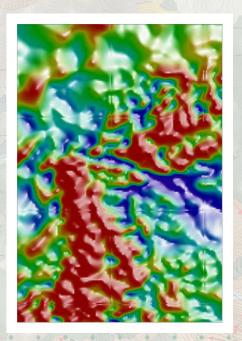




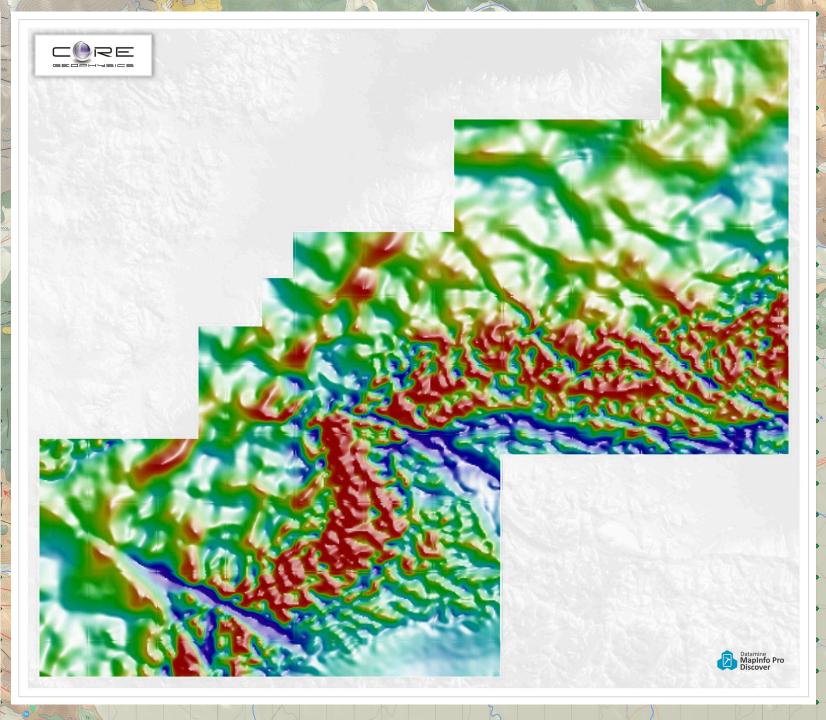




Derived from NTGS Government Aeromagnetic Surveys Total magnetic intensity (TMI) - reduced to pole









Derived from NTGS Government Aeromagnetic Surveys Total magnetic intensity (TMI) - reduced to pole First vertical derivative

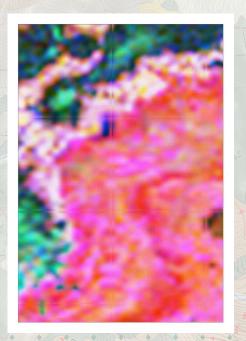




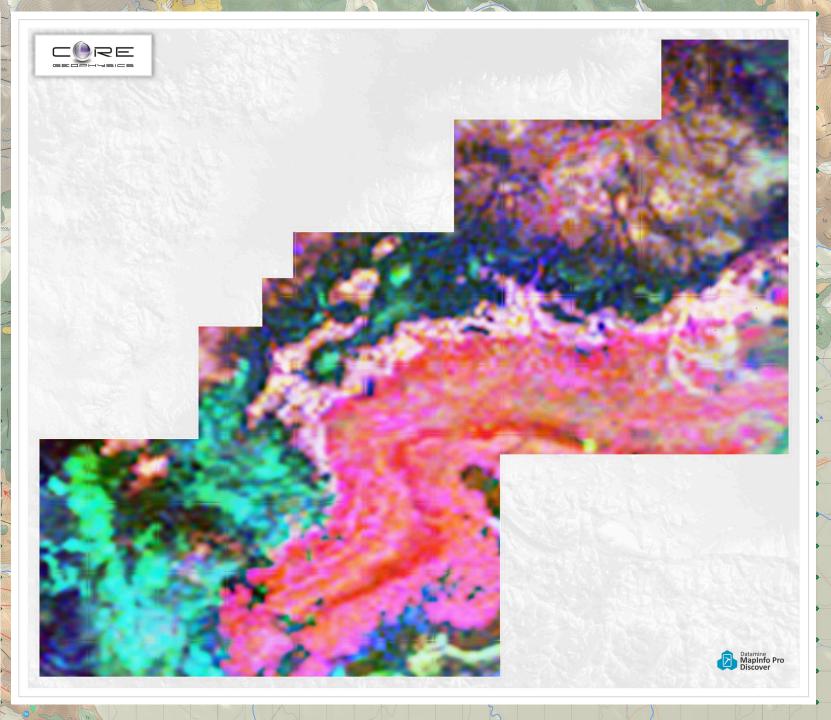


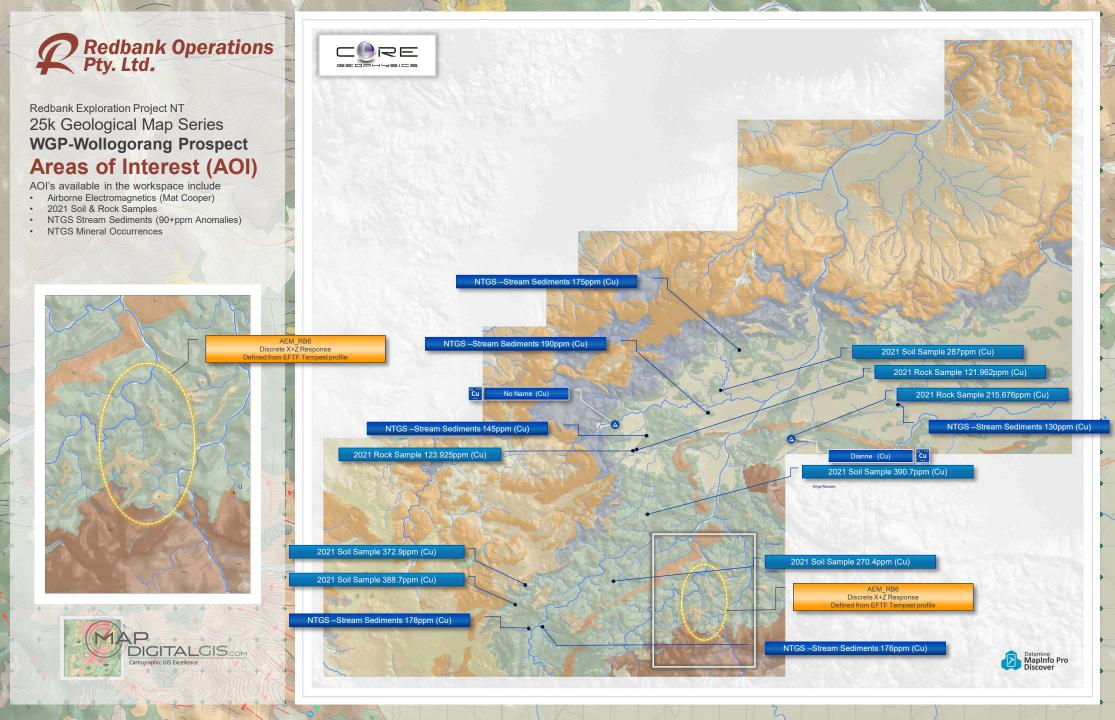


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Ternary radioelement potassium(K)-thorium(Th)-uranium(U)
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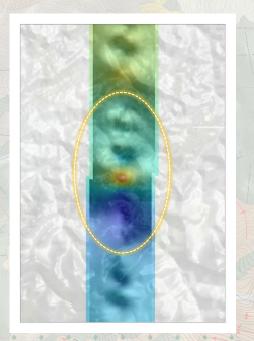




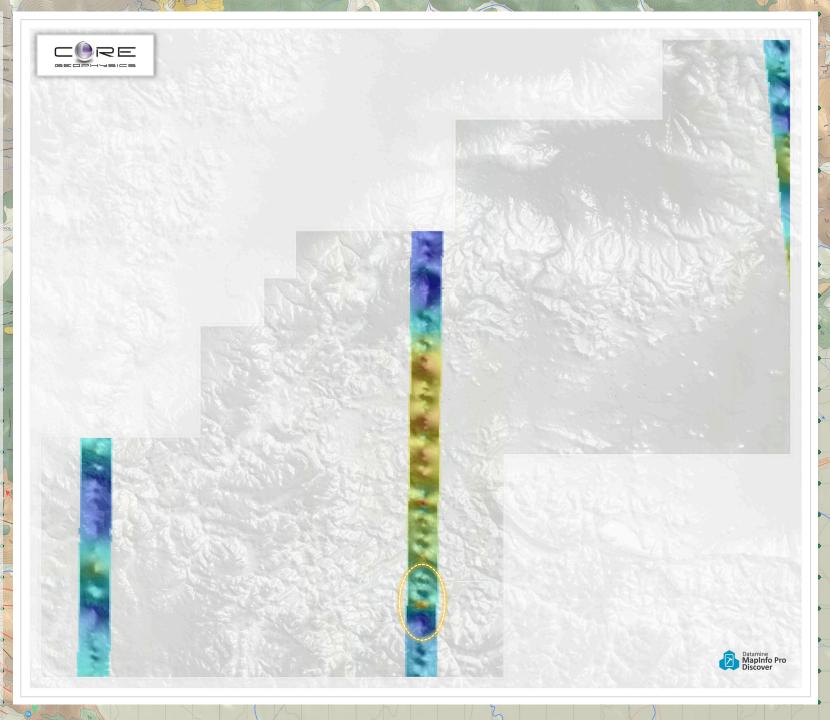


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Areas of Interest (AOI)

Regional Government and Historical Open File Airborne Electromagnetic (AEM) Early Time Channel AEM Composite (ET) Time Domain Surveys Only



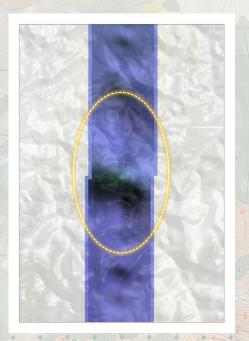




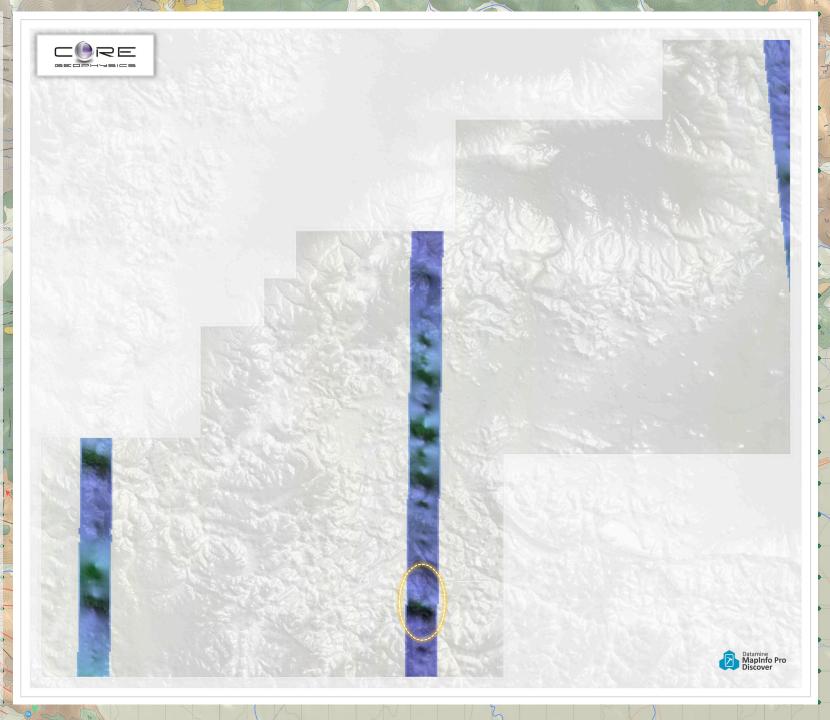


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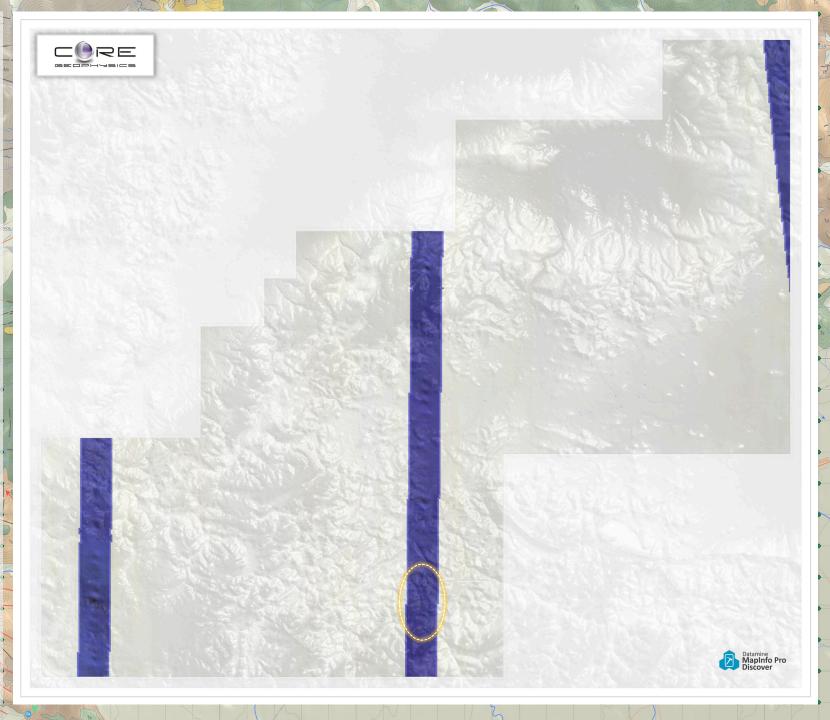


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MapInfo Workspace

The WGP MapInfo Workspace has been set-up and available in the **RBK-Exploration** Folder, this workspace is our base dataset for the WGP

