[illegible]

Potassium (K^{41}) 1370–1570 keV
Lithium (Li^{7}) 1680–1850 keV
Uranium (U^{238}) 2140–2610 keV

Corrected data were filtered and interpolated to a 100m grid for the 1:250 000 scale maps and to a 5km grid for the 1:50 000 scale maps. The results of an airborne gamma-ray spectrometer survey represent the average surface concentrations that are influenced by a small number of potassium, uranium and thorium, using factors determined from flights over a calibration range near Ottawa.

Potassium	100.1 cps%
Uranium	15.0 cps/gpm
Thorium	6.1 cps/gpm

The total air measured dose rates at panotopes per hour were calculated from measured counts and the measured concentrations as usually over from the actual bedrock concentrations. The total air measured dose rates at panotopes per hour were calculated from measured counts and the measured concentrations as usually over from the actual bedrock concentrations.

The total air absorbed dose rate in nanograys per hour was produced from measured concentrations between 400 and 2810 keV.

Magnetic Data

The Cessna Caravan aircraft was equipped with a Sairitex CS-2 medium vapour magnetic fluxgate magnetometer mounted in a stinger to the rear of the aircraft. The system recorded readings every 0.1 s, averaged around a 10 s period, with a resolution of less than 0.01 nT. Magnetic interferences caused by aircraft systems were compensated with a noise level of less than 0.01 nT. Magnetic interferences caused by aircraft systems were compensated using a KSDAS Magnetic compensator. Disturbances with a noise level of less than 0.01 nT were also compensated using a KSDAS Magnetic compensator. Disturbances with a noise level of less than 0.01 nT were also compensated using a KSDAS Magnetic compensator. Disturbances with a noise level of less than 0.01 nT were also compensated using a KSDAS Magnetic compensator.

seconds with a noise level of less than 0.05 nT. Magnetic interferences caused by air conditioning units and other electrical devices were removed by a 1000-point FFT-based frequency domain filtering algorithm. The corrected magnetic data were then detrended using a 1000-point FFT-based frequency domain filtering algorithm. The first vertical derivative and was calculated from the corrected local magnetic intensity using a 1000-point FFT-based frequency domain filtering algorithm.

Positional Data

The 400 m spaced survey lines were oriented VNW – ESE and 4000 m spaced control lines were oriented NNE – SSW. Survey and control line positions and elevations were pre-determined using Fugro Airborne Systems Smooth Drapage software. Positional data were recorded using a Novatel ProPak N980101. GPS ground station data were combined with airborne GPS data to produce differential positional data with an accuracy of 2 to 5 m.

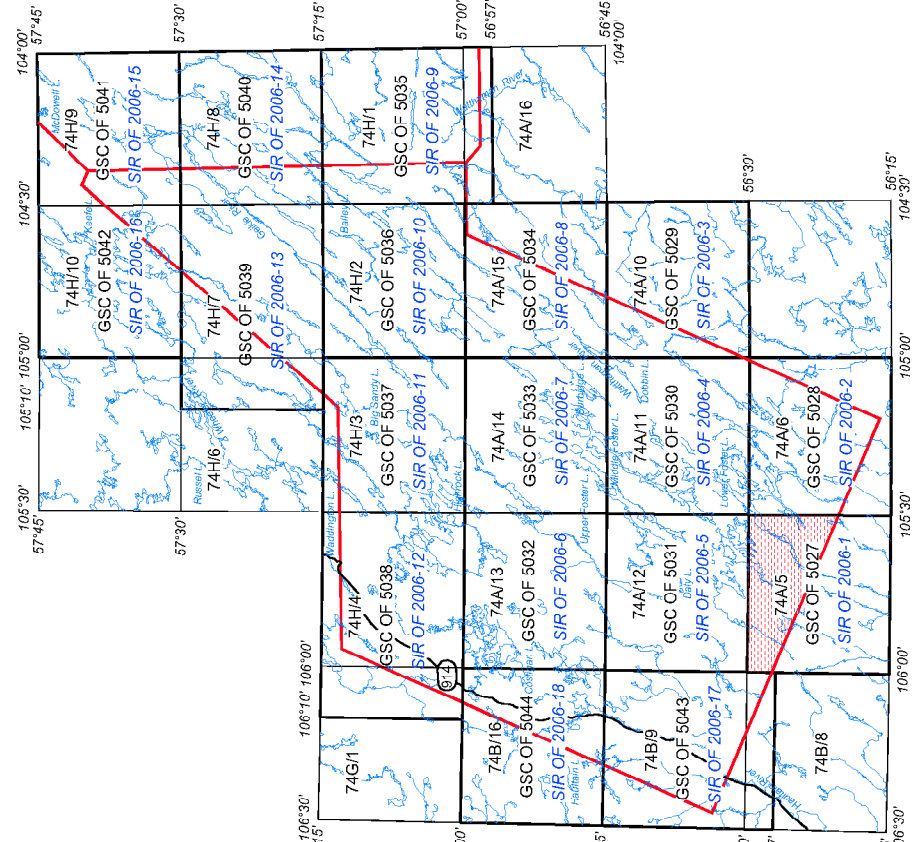
Date Presentation

Data Presentation

Colour levels and contours were calculated for each grid and combined with map surrounding information to create a nodalnet plot file, which was used to plot using Euclidean Decision

Data Presentation

Colour levels and contours were calculated for each grid and combined with map surrounding information to create a postscript plot files, which were plotted using Fugro's HP Design colour plotters.



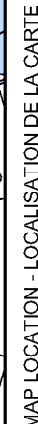
NATIONAL TOPOGRAPHICAL SYSTEM REFERENCE AND GEOPHYSICAL MAP INDEX

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NATURAL AIR ABSORBED DOSE RATE MAP

**PYLYPOW LAKE
SASKATCHEWAN**

NTS 74A/5



The Government of Saskatchewan's Mineral Exploration Incentive Program