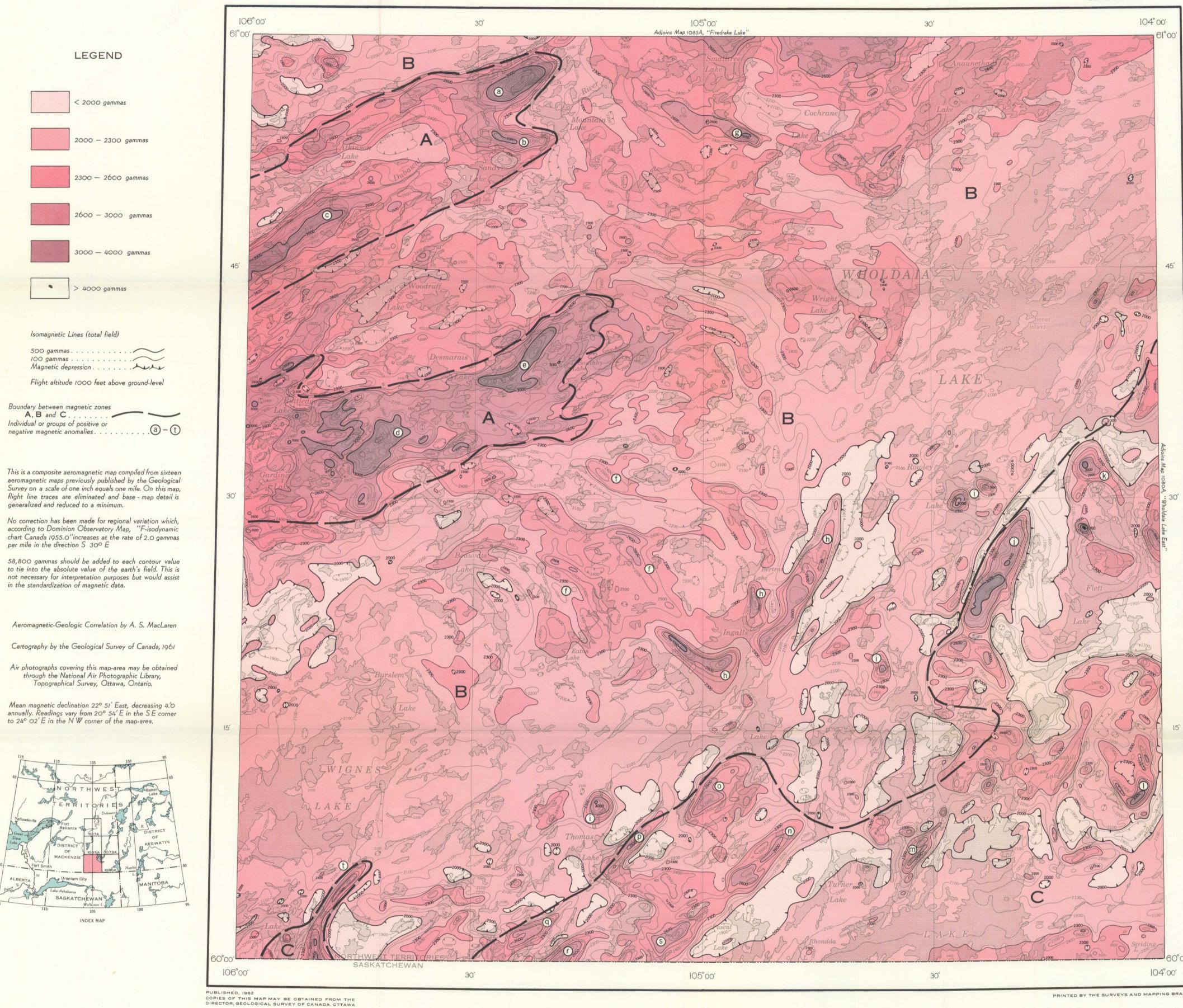
SHEET 75 A



DESCRIPTIVE NOTES

Previous geological work in this area was done by Taylor (Wholdaia Lake West; Geol. Surv., Canada, Map 9-1959, 1959).

MAIN MAGNETIC FEATURES

Without reference to geology, the area may be divided into three zones — A, B, and C — each with a distinct magnetic pattern or character. Each zone may consist of one or more parts.

Zones A are chiefly higher than 2,500 gammas in magnetic intensity. They contain small to medium-sized anomalies ranging in intensity from 100 to 1,800 gammas higher than that over adjacent areas. Interspersed among these positive anomalies are small negative areas of low intensity. Lineation of the magnetic data in the two A-zones is northeast. Rocks in these two areas are chiefly basic gnelsses and granitic anglesses. two areas are chiefly basic gneisses and granitic gneisses.

Zone B has a general magnetic intensity of less than 2,500 gammas. Areas lettered f, g, h, i, and t protrude through the low-intensity background and their intensity ranges from 100 to 1,000 gammas higher. Trends of anomalies are in northeasterly, porthypotorly, and controlly directions. 1,000 gammas higher. Trends of anomalies are in northeasterly, northwesterly, and easterly directions. A prominent feature in this zone is the extensive area of low intensity surrounding the larger area (h) southwest of Rowley Lake. This area is attributed to non-ferromagnetic granite and metasedimentary rocks.

Zone C comprises several positive anomalies of large extent oriented in a northeasterly direction in a background of smaller negative and positive anomalies of divergent orientation. The magnetic intensity of the larger anomalies is 300 to 1,000 gammas higher than that of adjacent areas. This zone corresponds chiefly to areas of paragneiss with minor gabbro, quartzite, and gneissic and massive granite and granodiorite.

MINOR MAGNETIC FEATURES

ANOMALY	INTENSITY ABOVE BACKGROUND (GAMMAS)	ROCK TYPE INTERPRETED
a	600 to 1,000	basic phase of granite
b	600 to 1,000	basic phase of granite
c	500 to 800	basic paragneiss
d	500 to 600	basic paragneiss or para- gneiss inclusion in granite and granodiorite
e		basic paragneiss
f		basic phase of gneiss
g	500	small basic plug
h	500 to 1,000	hornblende-biotite- plagioclase gneiss
1	300 to 800	intermediate to basic intrusive rocks
j and k	. 1,000 to 1,200	basic intrusive rocks
1	300 to 600	hornblende gneiss in massive granite and granodiorite
m	500 to 900	hornblende-biotite gneisses
n, o, p, q, r and s	300 to 600	biotite and hornblende- biotite gneisses; may in part be orthogneiss
t	900 to 1,000	basic paragneiss

Geological Survey of Canada

JUN 13 1982 MAP 1126A

WHOLDAIA LAKE WEST

DISTRICT OF MACKENZIE NORTHWEST TERRITORIES

AEROMAGNETIC MAP

Scale: One Inch to Four Miles = $\frac{1}{253,440}$

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