

EXPLANATION



Square: Grid North
Star: True North
Arrow: Magnetic North

Angles presented were calculated at 37° 45' N
Latitude and 122° 15' W Longitude at an
altitude of 310 m.
Use diagram for reference only

Grid North-True North: -0° 18' 0"
Grid North-Magnetic North: 15° 20' 24"

Inclination 61° 31' 48"

Declination rate of change -0° 2' 24"
Inclination rate of change -0° 1' 12"
per year from 1995.25

FLIGHT PATH

Navigation and flight path recovery
were conducted using a Global Positioning
System (GPS) satellite navigation system.

Traverse lines were flown at an azimuth of
45°-225° with an average line spacing of 540 m.

Lines have an average aircraft terrain clearance
of 270 m. Terrain clearance was monitored by
radar and barometric altimeters.

Flight line identification numbers are shown along
southwest edge of map area and at a limited number
of locations interior to the map. Tie line identification
numbers are shown along the north edge of the
map area.

TOTAL FIELD MAGNETIC DATA

Total field magnetic intensity data were measured
by a tail stinger mounted Scintrex H8 optically pumped
cesium vapour magnetometer with RMS
AADCO4 compensator.

Data have been corrected for diurnal variations
using a magnetic base station and tie lines.

Residual magnetic data shown by contours
represent corrected total field magnetic intensity
minus the International Geomagnetic Reference Field (IGRF).

The total intensity magnetic value at 18:52:00 on March
12, 1995 (37° 57' 36.6" Latitude, 122° 26' 14.2" Longitude)
is 50248.2 nT less than before the IGRF removal.

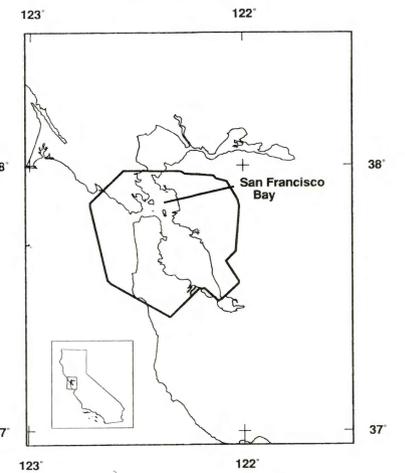
Gridding interval is 100m X 100m
and gridding direction is 135°.

Map contours are in nanoTeslas (nT),
and are multiples of those listed below:

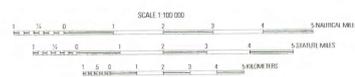
- 1 nT
- 5 nT
- 25 nT
- 125 nT
- 500 nT
- H Magnetic high
- L Magnetic low

Projection: UTM 1983 North American datum
Central meridian: 123° West
Survey flown March, 1995

Flown and compiled by AERODAT, Inc.,
Mississauga, Ontario, Canada



SURVEY LOCATION



**AEROMAGNETIC MAP OF THE CENTRAL SAN FRANCISCO
BAY AREA, CALIFORNIA**

BY
U.S. GEOLOGICAL SURVEY
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Survey editorial standards or with the North American Stratigraphic Code. Any use of trade
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the U.S. Government.