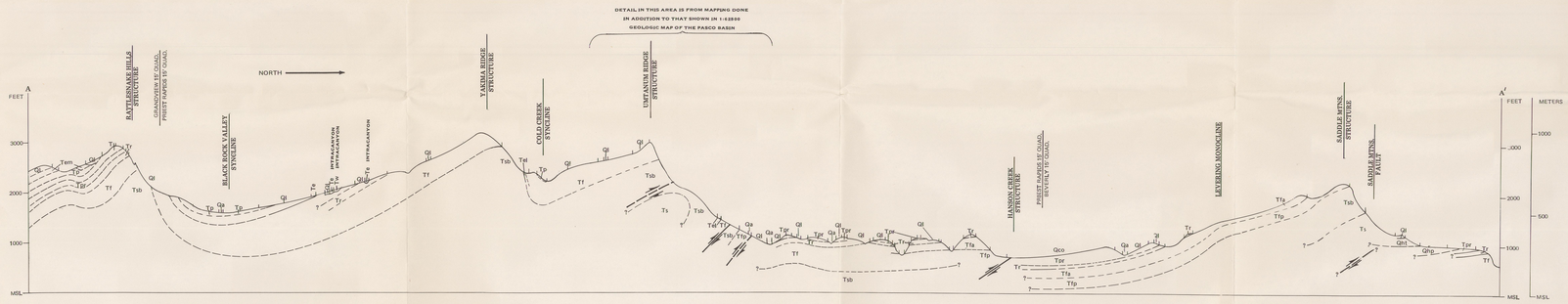
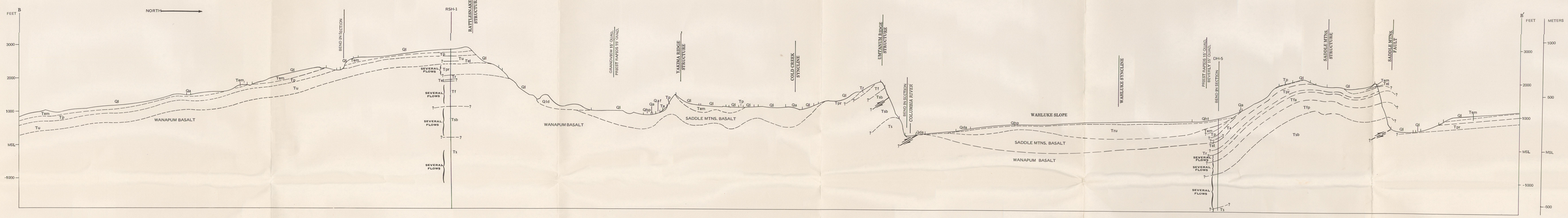
RHO-BWI-ST-4

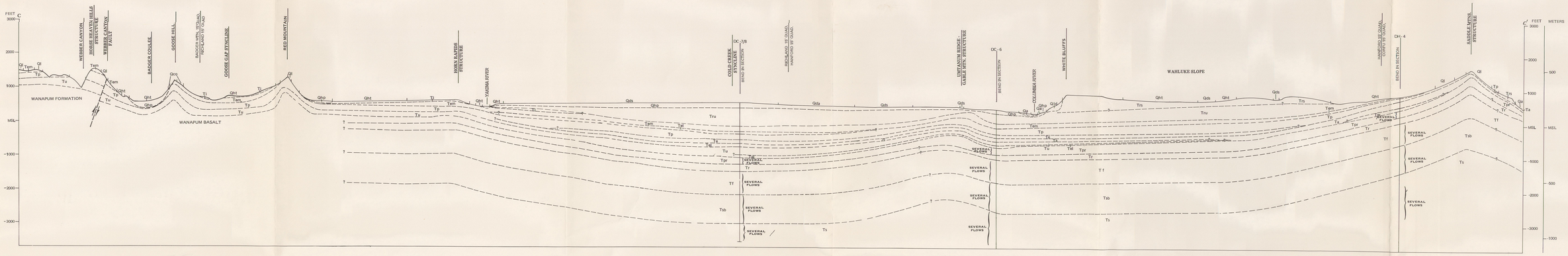
Q00778/
10 of 11

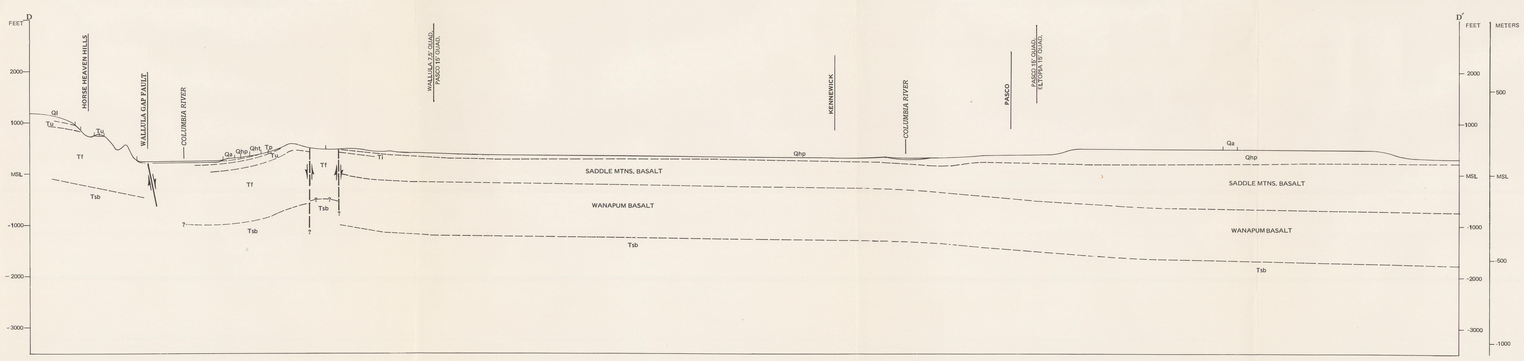
PLATE III-5 (2 SHEETS) STRUCTURE CROSS SECTIONS OF THE PASCO BASIN

Geologic Studies of the
COLUMBIA PLATEAU
A Status Report









EXPLANATION

SURFICIAL QUATERNARY UNITS

Qal - loess
Qda - active sand dunes
Qds - stabilized sand dunes
Qa - alluvium
Qaf - alluvial fan
Qld - landslide
Qco - colluvium

HANFORD FORMATION (Informal name)

Qht - Touchet Beds
Qhp - Pasco Gravels

RINGOLD FORMATION

Tru - Ringold undifferentiated
Trs - Ringold, sand, silt, and clay facies

SADDLE MOUNTAINS BASALT

Tl - Ice Harbor Member: undifferentiated
Tem - Elephant Mountain Member
Tp - Pomona Member
Te - Esquatzel Member
Ta - Asotin Member
Tw - Wilbur Creek Member
Tu - Umatilla Member

WANAPUM BASALT

Tpr - Priest Rapids Member
Tr - Roza Member
Tf - Frenchman Springs Member -
Tfa - aphyric flows
Tfp - phyric flows

GRANDE RONDE BASALT

Tsb - Sentinel Bluffs flows
Ts - Schwana flows

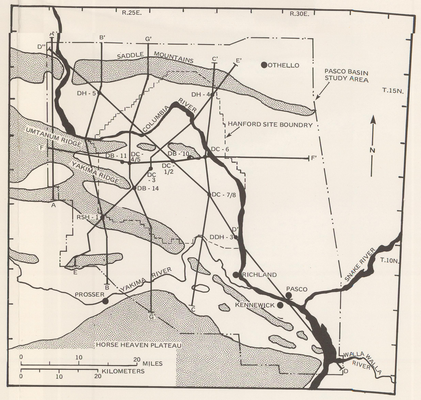
Tel - ELLENSBURG FORMATION

0 1 2 3 MILES
0 1 2 3 KILOMETERS

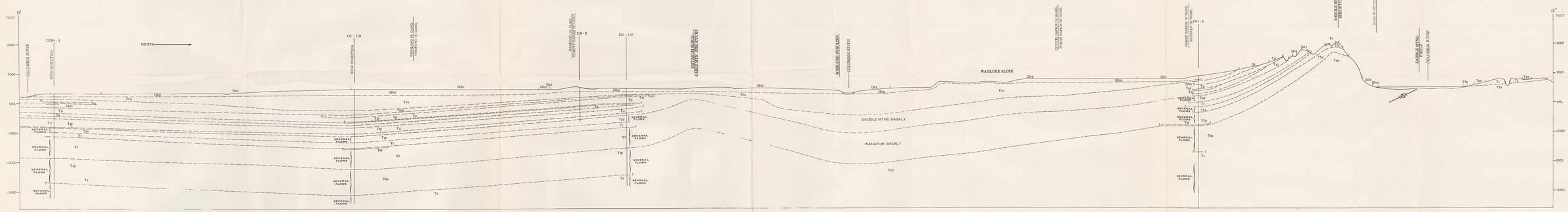
HORIZONTAL SCALE - 1:62500
VERTICAL SCALE - 1 INCH = 1000 FEET
1 INCH = 305 METERS
VERTICAL EXAGGERATION - 5.2X

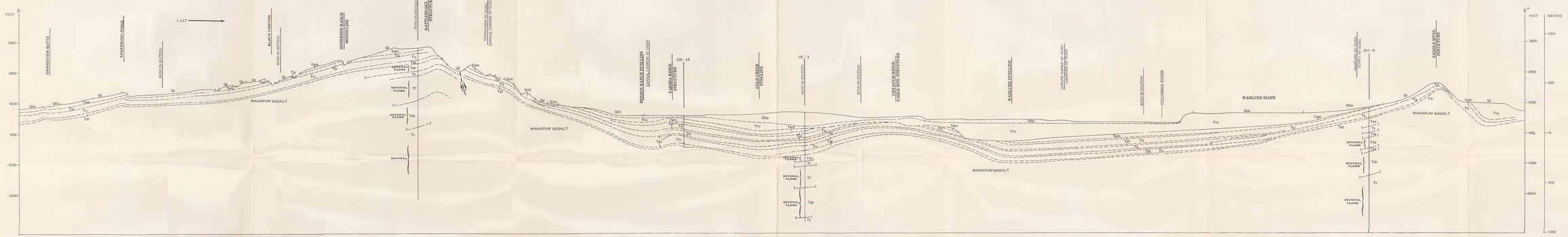
DATA FOR THESE CROSS SECTIONS ARE DRAWN FROM THE FOLLOWING SOURCES.
•COMPILATION GEOLOGIC MAP OF THE PASCO BASIN (PLATE III-1).
•TOP-OF-BASALT CONTOUR MAP (PLATE III-4a).
•TOP-OF-WANAPUM STRUCTURE CONTOUR MAP (PL.4,3Z (U-4a)).
•PRELIMINARY ISOPACH MAPS (in Chapter III)
NOTE: FAULT ATTITUDES INTERPRETIVE.
FOR DETAILED DESCRIPTIONS OF THE UNITS, SEE PLATE III-SHEET 6.

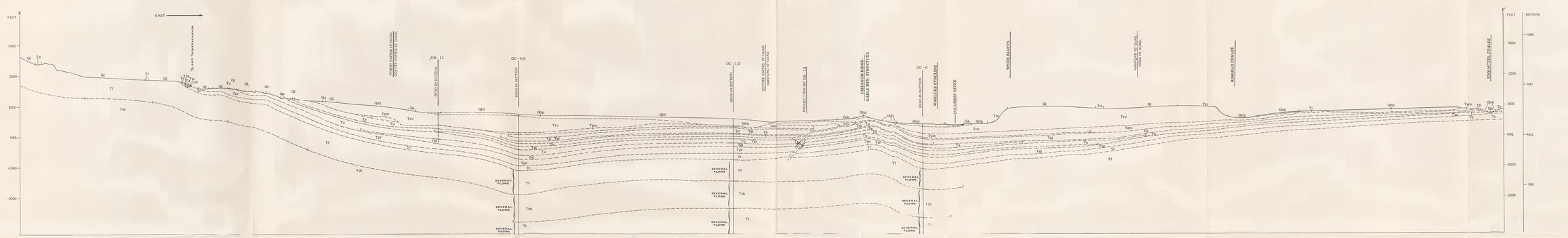
STRUCTURE CROSS SECTIONS OF THE PASCO BASIN

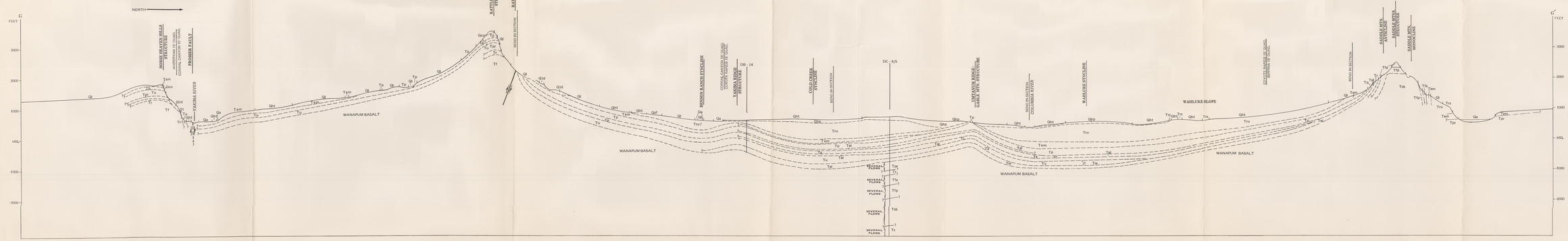


RHO-BWI-ST-4
PLATE III-5
SHEET 1 OF 2



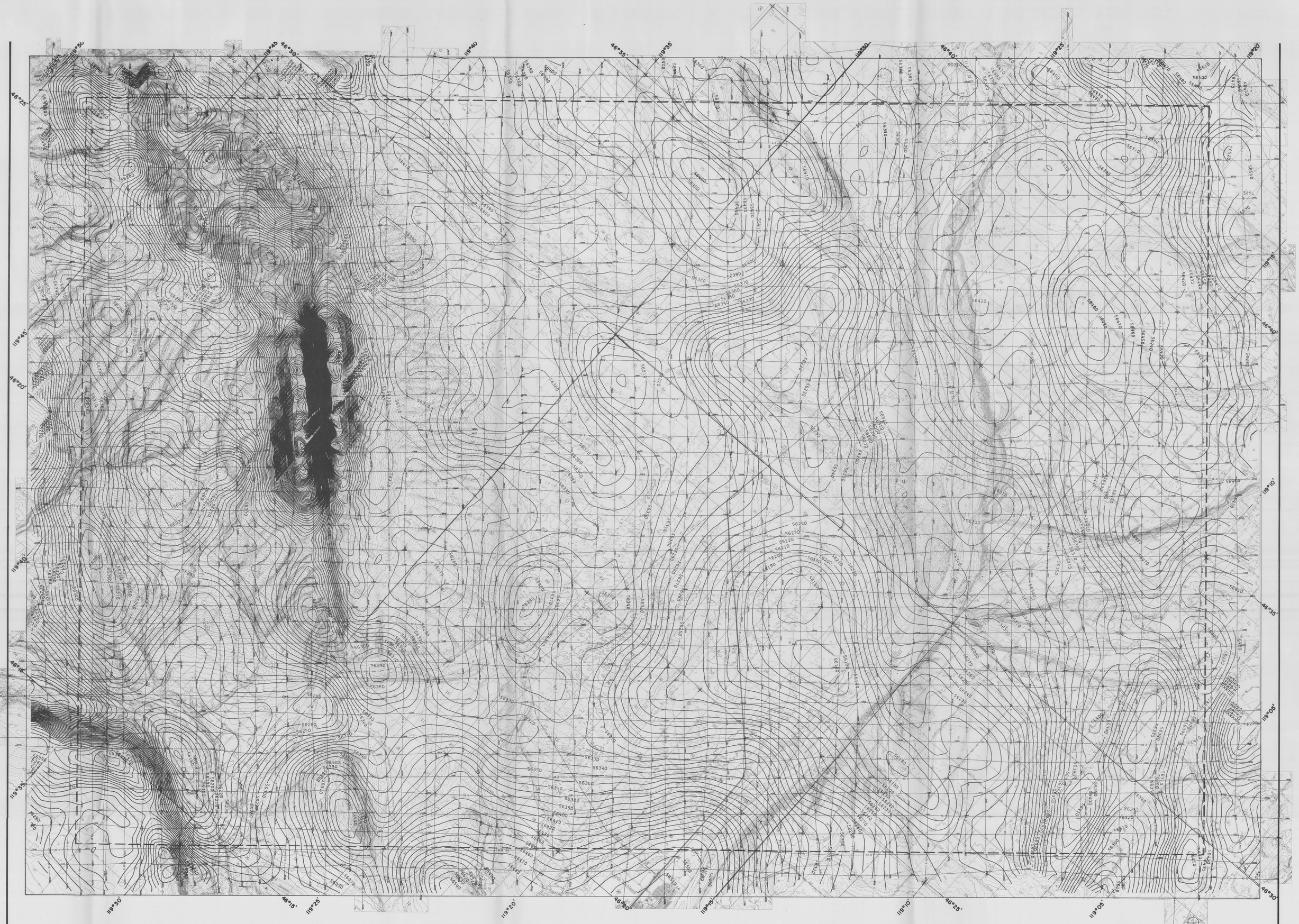






STRUCTURE CROSS SECTIONS OF THE PASCO BASIN

RHO-BWI-ST-4
PLATE III-5



TOTAL MAGNETIC FIELD

1 0 1 2 3
MILES

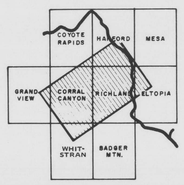
0 1 2 3
KILOMETERS

CONTOUR INTERVAL 10 GAMMAS

SCALE = 1:62,500

FLIGHT LINE SPACING	0.5 MILE(S)
FLIGHT ALTITUDE	4,000 FEET CBA
FLOWN AND COMPILED	1979

PREPARED BY QUIGSON PROSPECTS LTD.



LOCATION INDEX

RHO-BWI-ST-4
PLATE III-6a