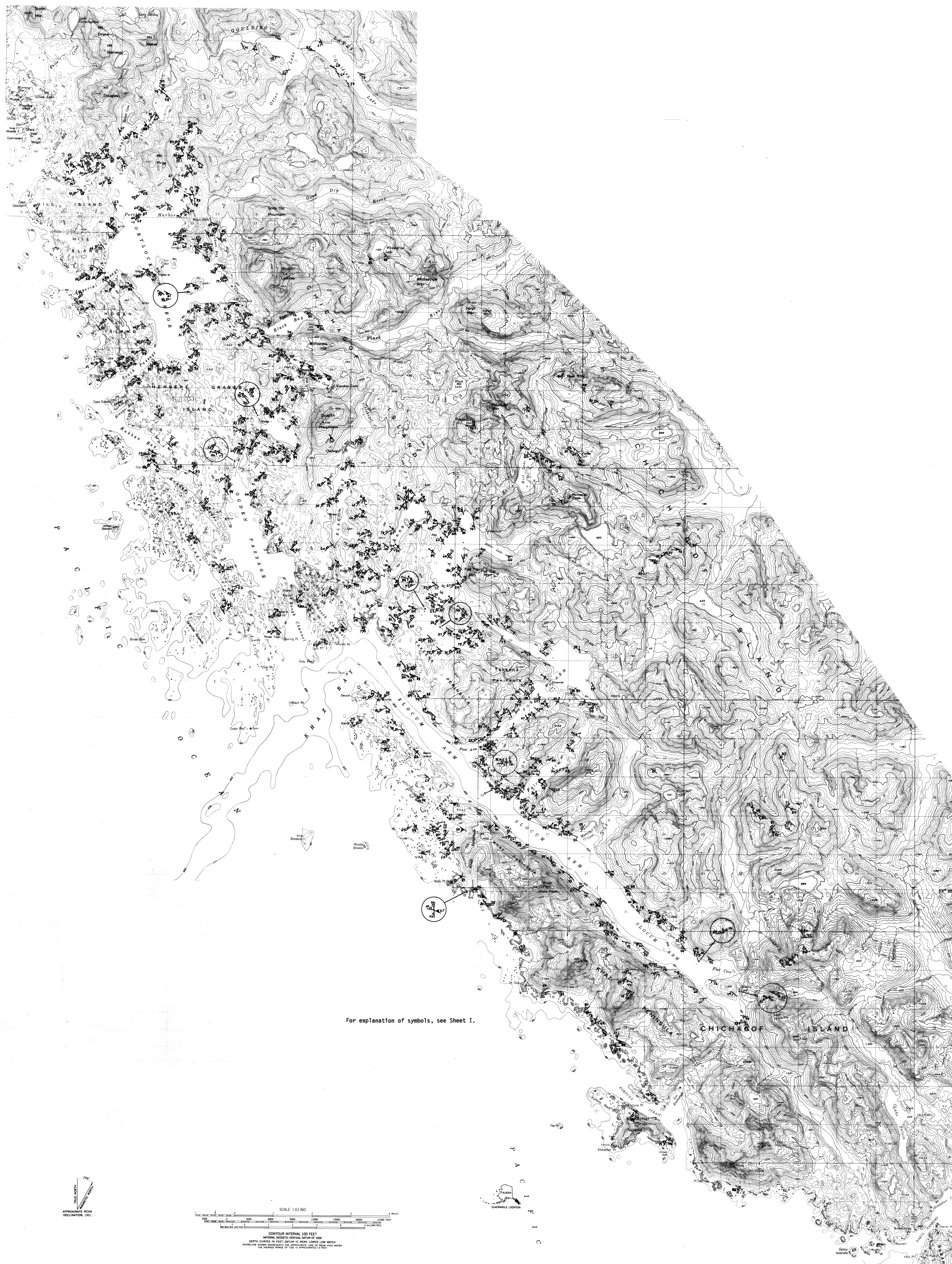
DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

OPEN-FILE REPORT
80-150
SHEET 2 OF 2



For explanation of symbols, see Sheet I.

# STRUCTURAL DATA TO ACCOMPANY GEOLOGIC MAP OF WESTERN CHICHAGOF ISLAND, SOUTHEASTERN ALASKA

BY JOHN DECKER

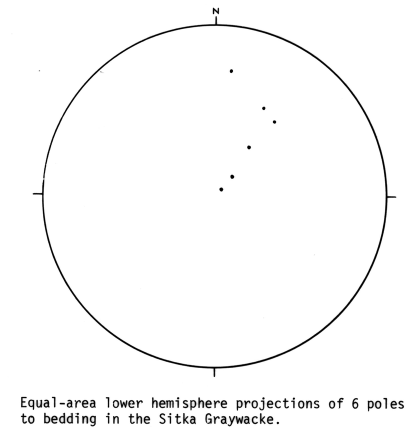
1980

Base maps by U.S. Geological Survey
Sitka (B-6, C-6, C-7, D-7), 1951.

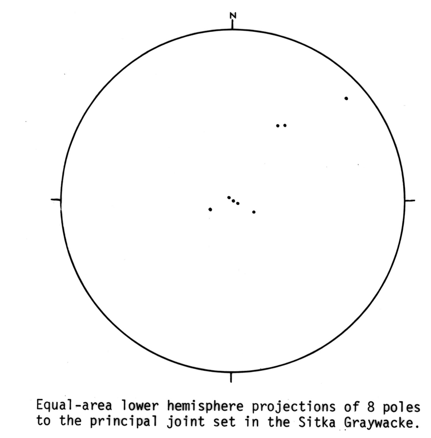
# SUMMARY OF STRUCTURAL DATA

Columns: BEDDING — FRACTURE FOLIATION — METAMORPHIC MINERAL FOLIATION — PRINCIPAL JOINT SET — CLEAVAGE — FOLD AXES

## SITKA GRAYWACKE

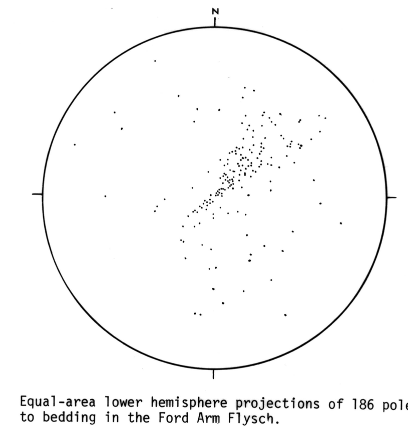


Equal-area lower hemisphere projections of 6 poles to bedding in the Sitka Graywacke.

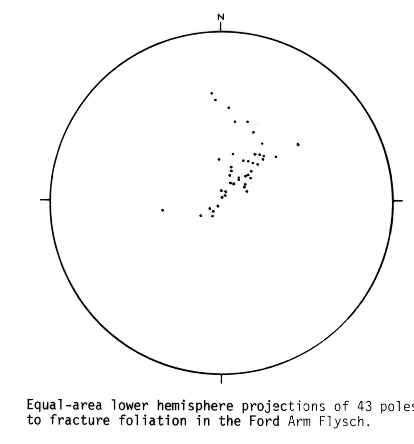


Equal-area lower hemisphere projections of 8 poles to the principal joint set in the Sitka Graywacke.

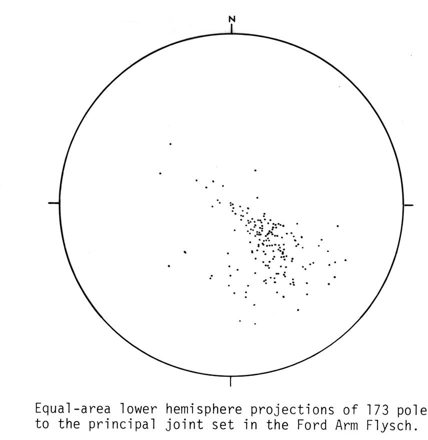
## FORD ARM FLYSCH



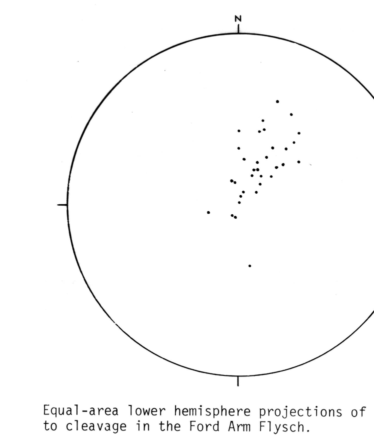
Equal-area lower hemisphere projections of 186 poles to bedding in the Ford Arm Flysch.



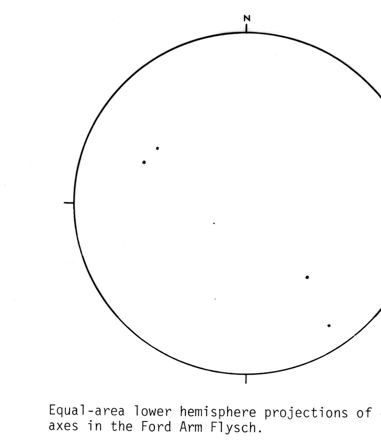
Equal-area lower hemisphere projections of 43 poles to fracture foliation in the Ford Arm Flysch.



Equal-area lower hemisphere projections of 173 poles to the principal joint set in the Ford Arm Flysch.

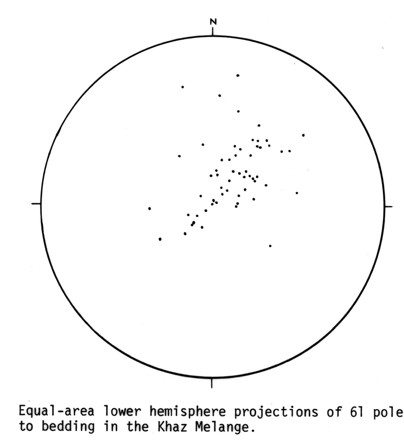


Equal-area lower hemisphere projections of 34 poles to cleavage in the Ford Arm Flysch.

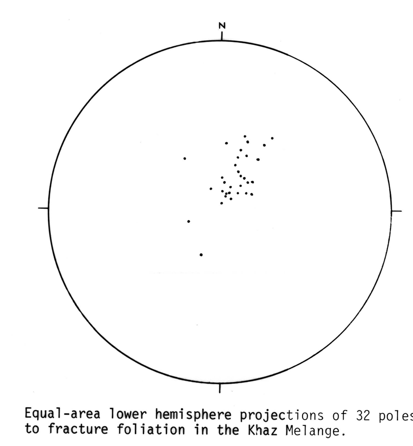


Equal-area lower hemisphere projections of 4 $F_1$ fold axes in the Ford Arm Flysch.

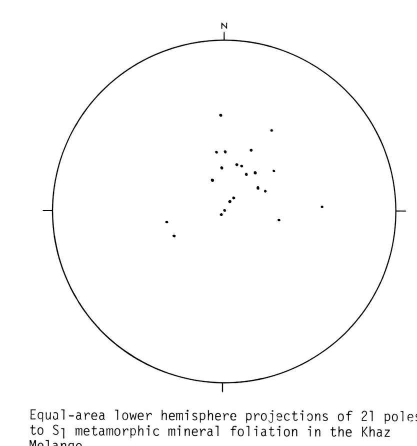
## KHAZ MELANGE



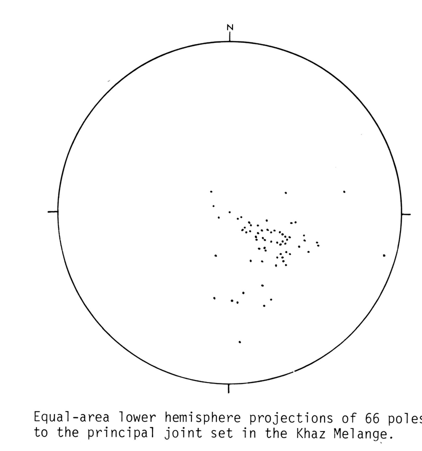
Equal-area lower hemisphere projections of 61 poles to bedding in the Khaz Melange.



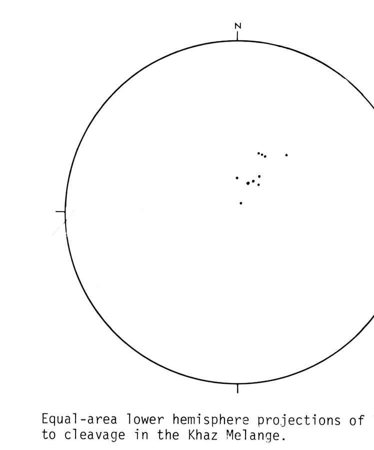
Equal-area lower hemisphere projections of 32 poles to fracture foliation in the Khaz Melange.



Equal-area lower hemisphere projections of 21 poles to $S_1$ metamorphic mineral foliation in the Khaz Melange.

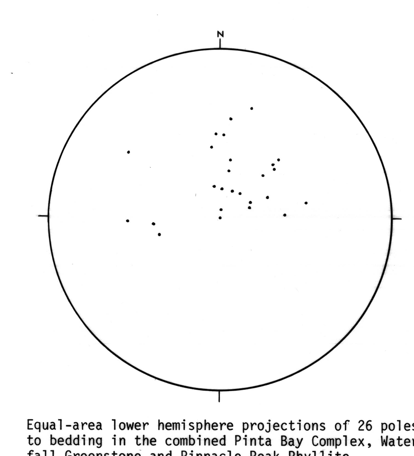


Equal-area lower hemisphere projections of 66 poles to the principal joint set in the Khaz Melange.

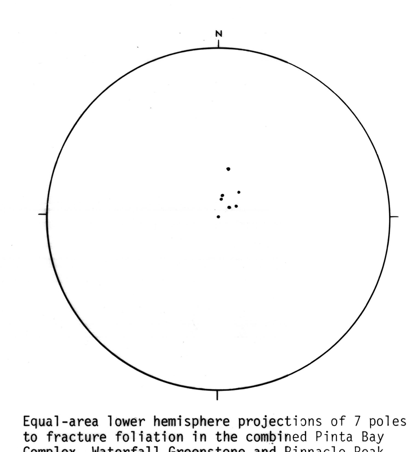


Equal-area lower hemisphere projections of 10 poles to cleavage in the Khaz Melange.

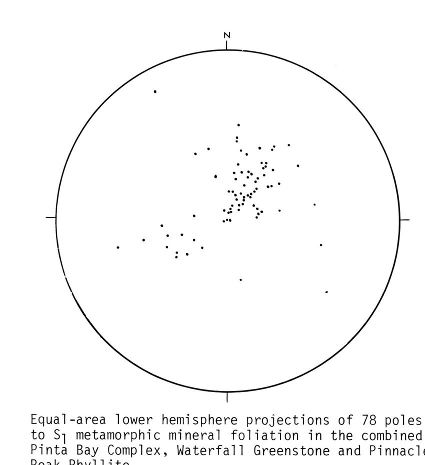
## PINTA BAY COMPLEX / WATERFALL GREENSTONE / PINNACLE PEAK PHYLLITE



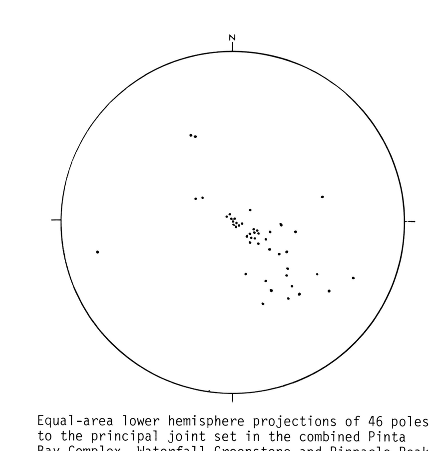
Equal-area lower hemisphere projections of 26 poles to bedding in the combined Pinta Bay Complex, Waterfall Greenstone and Pinnacle Peak Phyllite.



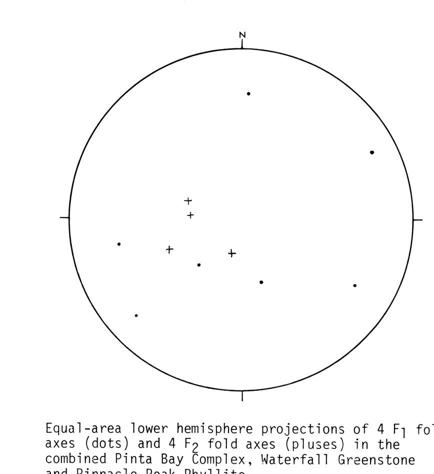
Equal-area lower hemisphere projections of 7 poles to fracture foliation in the combined Pinta Bay Complex, Waterfall Greenstone and Pinnacle Peak Phyllite.



Equal-area lower hemisphere projections of 78 poles to $S_1$ metamorphic mineral foliation in the combined Pinta Bay Complex, Waterfall Greenstone and Pinnacle Peak Phyllite.

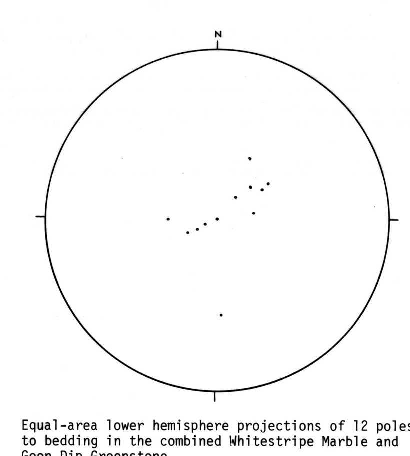


Equal-area lower hemisphere projections of 46 poles to the principal joint set in the combined Pinta Bay Complex, Waterfall Greenstone and Pinnacle Peak Phyllite.

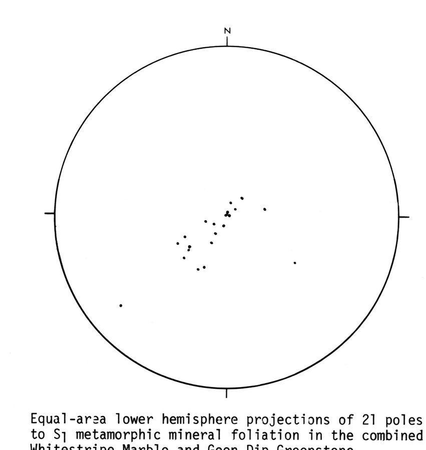


Equal-area lower hemisphere projections of 4 $F_1$ fold axes (dots) and 4 $F_2$ fold axes (pluses) in the combined Pinta Bay Complex, Waterfall Greenstone and Pinnacle Peak Phyllite.

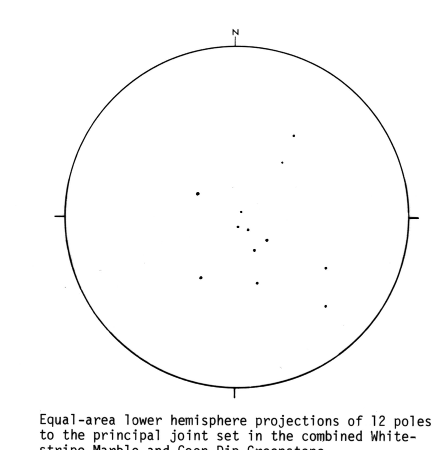
## WHITESTRIPE MARBLE / GOON DIP GREENSTONE



Equal-area lower hemisphere projections of 12 poles to bedding in the combined Whitestripe Marble and Goon Dip Greenstone.

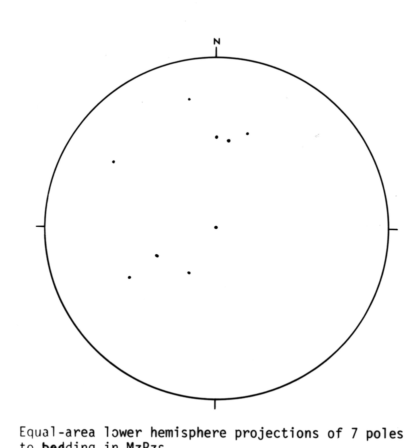


Equal-area lower hemisphere projections of 21 poles to $S_1$ metamorphic mineral foliation in the combined Whitestripe Marble and Goon Dip Greenstone.

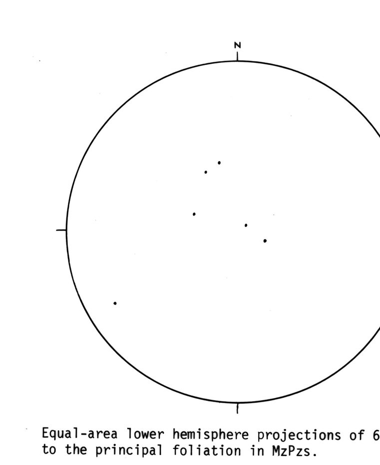


Equal-area lower hemisphere projections of 12 poles to the principal joint set in the combined Whitestripe Marble and Goon Dip Greenstone.

## MZPZS



Equal-area lower hemisphere projections of 7 poles to bedding in MzPzs.



Equal-area lower hemisphere projections of 6 poles to the principal foliation in MzPzs.

This report is preliminary and has not been edited or reviewed for conformity with Geological Survey standards and nomenclature.