DEPARTMENT OF THE INTERIOR
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ATLAS OF MERCURY
1:5,000,000 GEOLOGIC SERIES
DISCOVERY QUADRANGLE
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## CORRELATION OF MAP UNITS

## DESCRIPTION OF MAP UNITS

### PLAINS MATERIALS

**VERY SMOOTH PLAINS MATERIAL**

**SMOOTH PLAINS MATERIAL**

**INTERMEDIATE PLAINS MATERIAL**

**INTERCRATER PLAINS MATERIAL**

### RELIEF-FORMING MATERIALS

**HILLY AND LINEATED MATERIAL**

**HUMMOCKY PLAINS MATERIAL**

### CRATER AND BASIN MATERIALS

## INTRODUCTION

## STRATIGRAPHY

### CRATER AND BASIN MATERIALS

### PLAINS MATERIALS

### RELIEF-FORMING MATERIALS

### STRUCTURE

### GEOLOGIC HISTORY

### REFERENCES CITED

North

West

East

South

AREA IN DARKNESS

INDEX TO MARINER 10 PICTURES

SUPPLEMENTAL SOURCE INDEX

SCALE 1:4823000 AT –22.5° LATITUDE
LAMBERT CONFORMAL PROJECTION

ARRANGEMENT OF MAP SHEETS ON MERCURY

CONTACT

FAULT—Bar and ball on downthrown side

RIDGE—Barbs point downdip

SCARP—Line at base of slope; barb points downdip

FISSURE OR DEPRESSION OF STRUCTURAL ORIGIN—
Found only in hilly and lineated material (unit hl)

LINEAMENT—Trough, ridge, or scarp with low relative relief

CRATER RIM CREST

CRATER RIM CREST, GREATLY SUBDUED OR
BURIED

AREA OF BRIGHT CRATER-RAY MATERIAL

AREA OF ANOMALOUSLY LOW ALBEDO

# GEOLOGIC MAP OF THE DISCOVERY QUADRANGLE OF MERCURY

By

Newell J. Trask and Daniel Dzurisin

1984