## GRAVITY ANOMALY

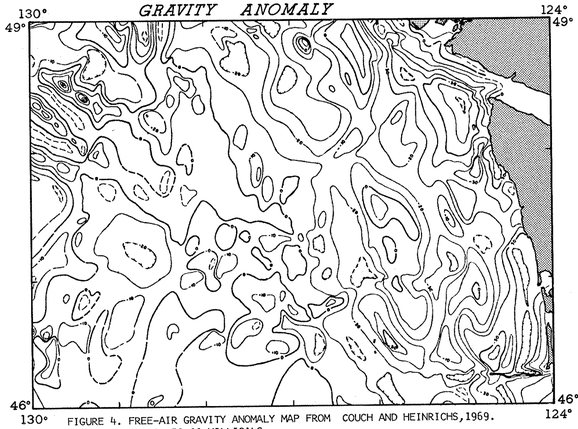



FIGURE 4. FREE-AIR GRAVITY ANOMALY MAP FROM COUCH AND HEINRICHS, 1969. CONTOUR INTERVAL IS 10 MILLIGALS.

## MAGNETIC LINEATIONS

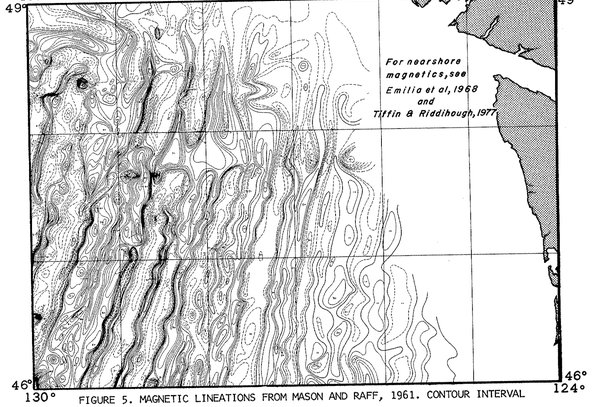



FIGURE 5. MAGNETIC LINEATIONS FROM MASON AND RAFF, 1961. CONTOUR INTERVAL IS 50 GAMMAS.

## SEISMIC REFLECTION & REFRACTION

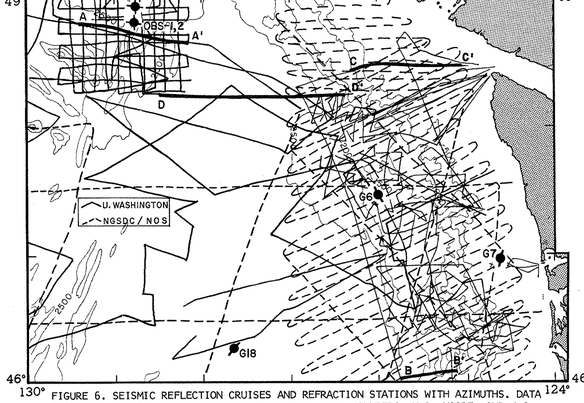



FIGURE 6. SEISMIC REFLECTION CRUISES AND REFRACTION STATIONS WITH AZIMUTHS. DATA FROM M.L. HOLMES, UNIVERSITY OF WASHINGTON, N.F. HOLMBERG, M.B. MOORE, AND J.S. SPENCER, NGSDC/NOAA. SELECTED PROFILES SHOWN BELOW. SEE FIGURE 8 FOR INFORMATION ABOUT THESE CRUISES.

## COASTAL REFLECTION SURVEYS

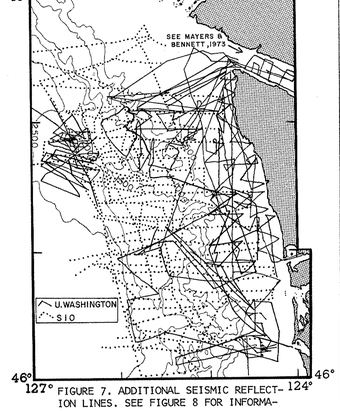



FIGURE 7. ADDITIONAL SEISMIC REFLECTION LINES. SEE FIGURE 8 FOR INFORMATION.

FOR INFORMATION ABOUT THE SEISMIC REFLECTION CRUISES SHOWN, CONTACT THE FOLLOWING: UNIVERSITY OF WASHINGTON-M.L. HOLMES; SCRIPPS INSTITUTION OF OCEANOGRAPHY-SIO GEOLOGIC DATA CENTER; NATIONAL OCEAN SURVEY-M.B. MOORE OR J.S. SPENCER, NATIONAL GEOPHYSICAL AND SOLAR-TERRESTRIAL DATA CENTER, BOULDER, COLORADO.

UNIVERSITY OF WASHINGTON

| NAME | YEAR | SCIENTIST-IN-CHARGE |
|---|---|---|
| OCEANEER-2,4 | 1966 | L.C. BENNETT JR. |
| T.G. THOMPSON-8 | 1966 | L.C. BENNETT JR. |
| T.G. THOMPSON-13,24 | 1967 | L.C. BENNETT JR. |
| T.G. THOMPSON-21 | 1967 | M.L. HOLMES |
| OCEANEER-10 | 1967 | L.C. BENNETT JR. |
| T.G. THOMPSON-29 | 1968 | D.A. MC MANUS |
| ONAR-240,242 | 1968 | L.C. BENNETT JR. |
| T.G. THOMPSON-048 | 1970 | B. CARSON |
| T.G. THOMPSON-053 | 1970 | D.A. MC MANUS |
| T.G. THOMPSON-063 | 1971 | M.L. HOLMES |
| OCEANOGRAPHER | 1971 | C.R.B. LISTER |
| T.G. THOMPSON-068 | 1972 | D.A. MC MANUS |
| T.G. THOMPSON-079 | 1973 | B. CARSON |

SCRIPPS INSTITUTION OF OCEANOGRAPHY

| | | |
|---|---|---|
| SEVEN TOW-9A | 1970 | E.A. SILVER |

NATIONAL OCEAN SURVEY

| | | |
|---|---|---|
| NOS IDOE (OSS SURVEYOR) | 1971 | |
| WEST COAST CON MARGIN | 1972 | |

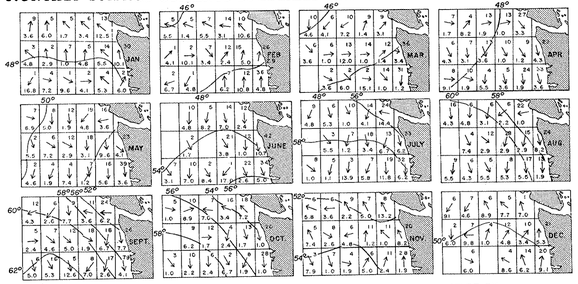
SEISMIC REFRACTION SURVEYS

| NAME | AZIMUTH | MOHO DEPTH |
|---|---|---|
| G-6 (SIO) | 173° | 10.81 KM. |
| G-7 (SIO) | 004° | 18.40 KM. |
| G-18 (SIO) | 064° | 8.70 KM. |
| OBS-1 (U. WASH.) | 180° | 11.38 KM. |
| OBS-2 (U. WASH.) | 280° | 10.20 KM. |

FOR INFORMATION ABOUT THESE SURVEYS, CONTACT D. MC GOWAN, SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA, CALIFORNIA OR C.R.B. LISTER, UNIVERSITY OF WASHINGTON, SEATTLE, WASHINGTON.

FIGURE 8. LISTS OF CRUISES AND SURVEYS SHOWN IN FIGURES 6 AND 7.

## MONTHLY SURFACE CURRENTS BY DEGREES AND SEA SURFACE TEMPERATURES




NO OF OBSERVATIONS
AZIMUTH OF DRIFT DIRECTION
7.2 DRIFT IN MILES PER DAY

FIGURE 9. CURRENTS AND SEA SURFACE TEMPERATURE BY MONTHLY MEANS. CURRENT DATA FROM H.O. PUB.570. SEA SURFACE TEMPERATURES FROM J. RENNER, NATIONAL MARINE FISHERIES SERVICE, AND ARE IN DEGREES FAHRENHEIT.

## T-S DIAGRAM

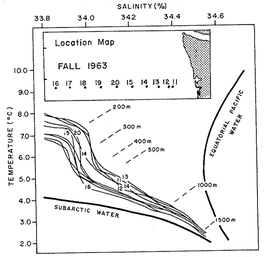
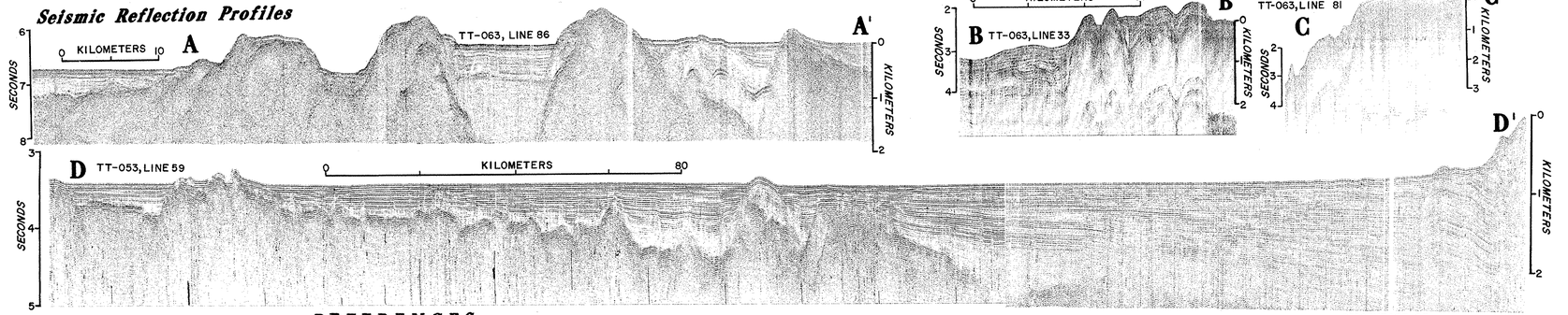



FIGURE 10. TEMPERATURE VS. SALINITY. FROM INGRAHAM, 1967. STATIONS SHOWN ON LOCATION MAP.

## Seismic Reflection Profiles

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