

Slide images from the **Walter Munk Papers. SMC 17. Special Collections & Archives, UC San Diego.**

Slide groupings were determined by the original order of Walter Munk's slide collection, and a corresponding inventory. Titles and descriptions were transcribed from Munk's labels and the inventory, with some editing for consistency and clarity.

Refraction

1. Cliffs by coastline, waves
2. Aerial photo of coastline
3. Aerial photo of coastline
4. Aerial photo of coastline, 1946 April 2
5. Aerial photo of coastline
6. Waves along coast of small island
7. Waves, "deep channel, waves breaking up in to multiple crests, shallow channel"
8. Aerial photo of coastline
9. Aerial photo of coastline
10. Aerial photo of coastline
11. Aerial photo of coastline
12. Aerial photo of waves with small rock island
13. Waves diagram, La Jolla
14. Direction of wave travel against shoreline
15. Direction of wave travel against shoreline
16. Swell from WNW, diagram of waves against coastline

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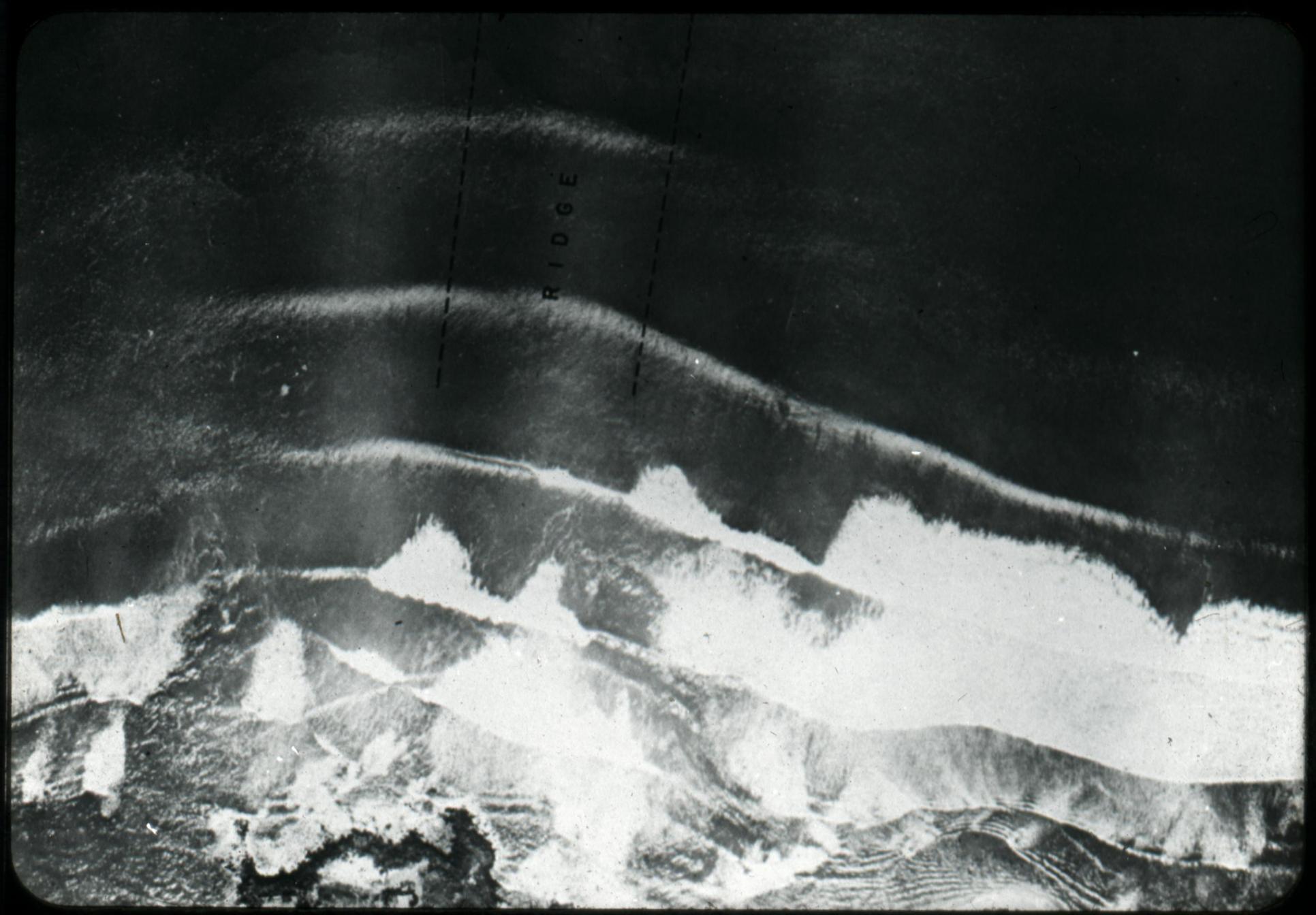


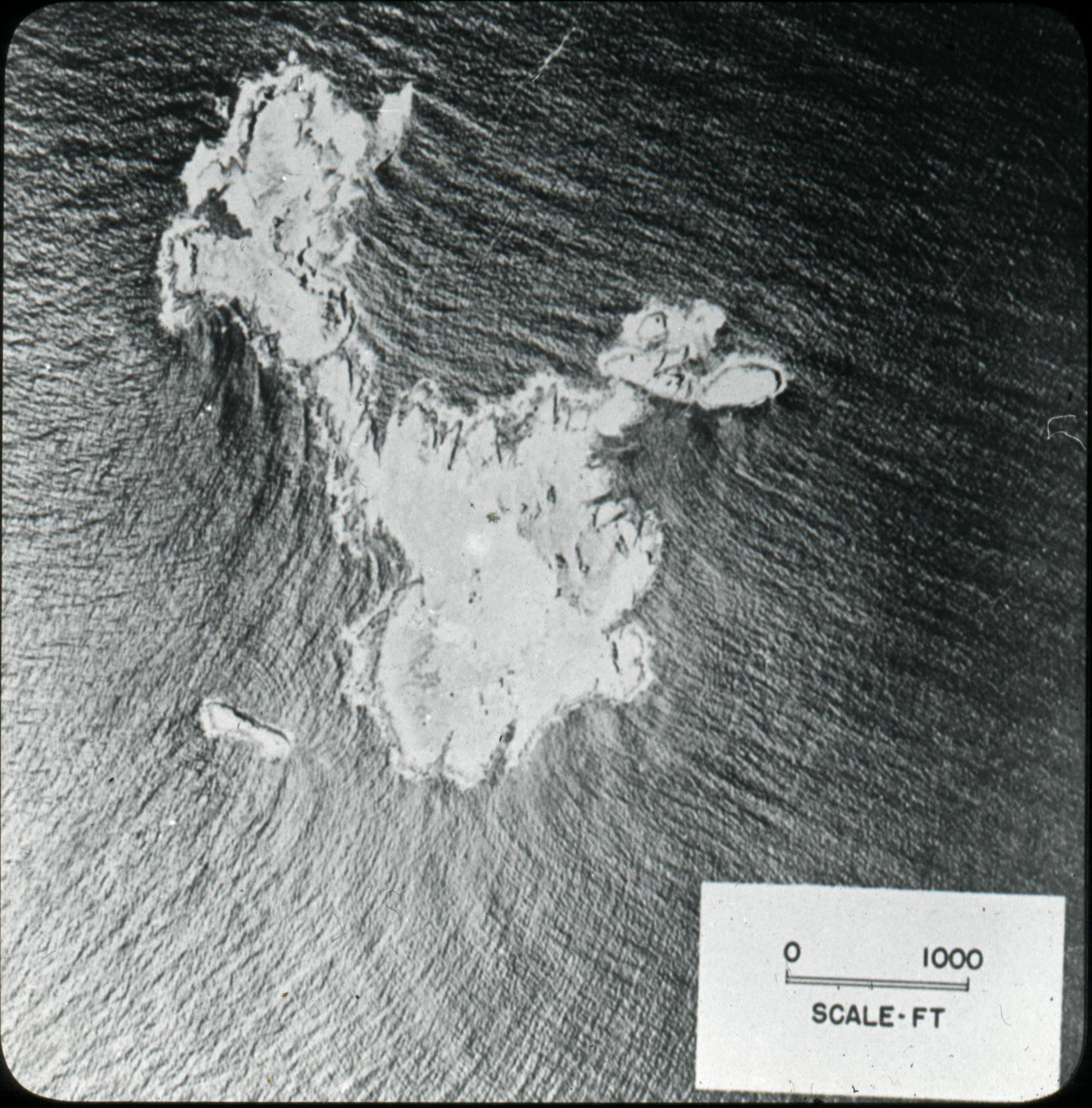




ve Sortie #2-46 VJ-9 4/2/46 Heading, 025° Alt: 1640' Lens: 6" Agst Village Area, GUAD

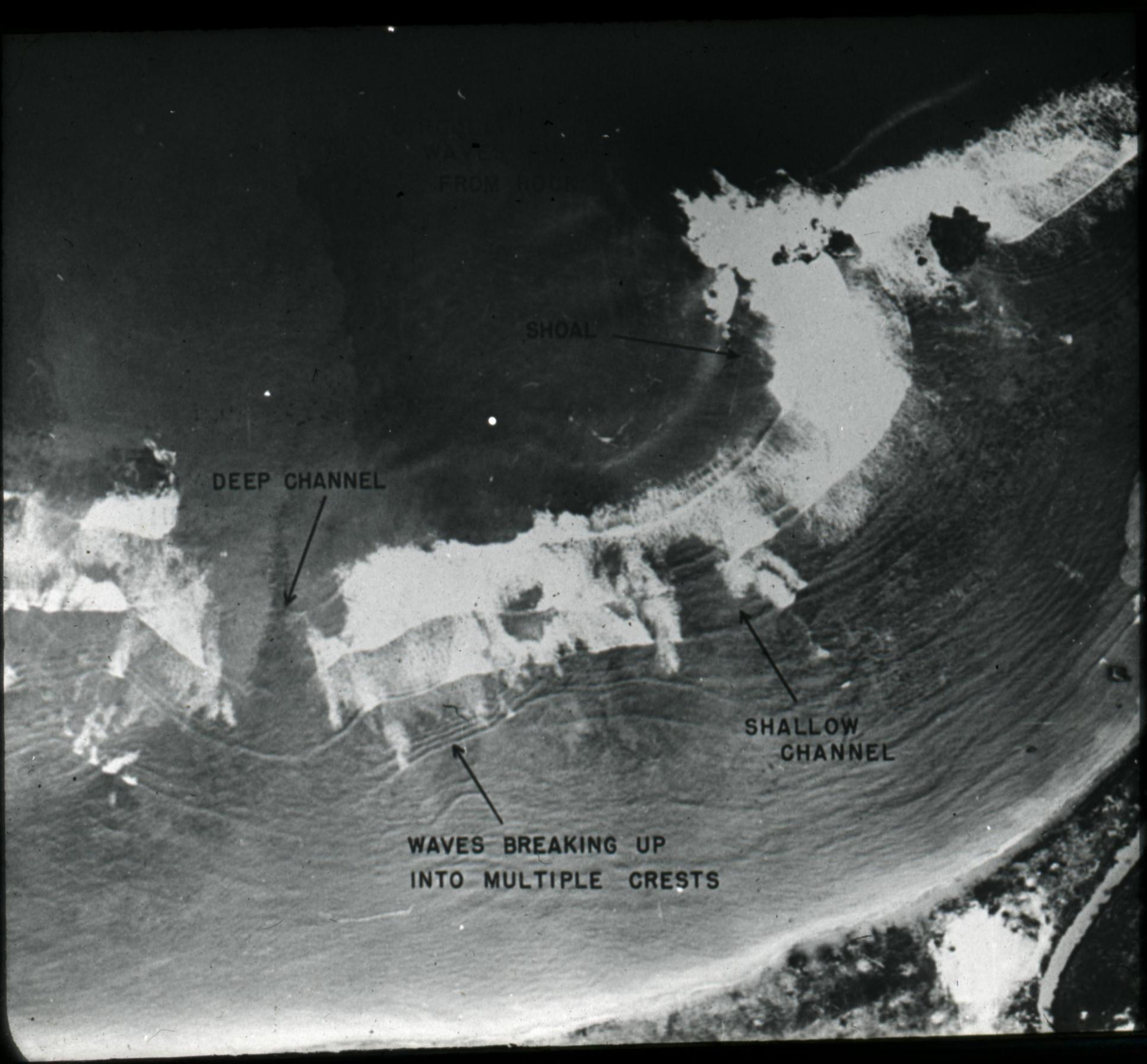
RIDGE





0 1000

SCALE - FT



FROM

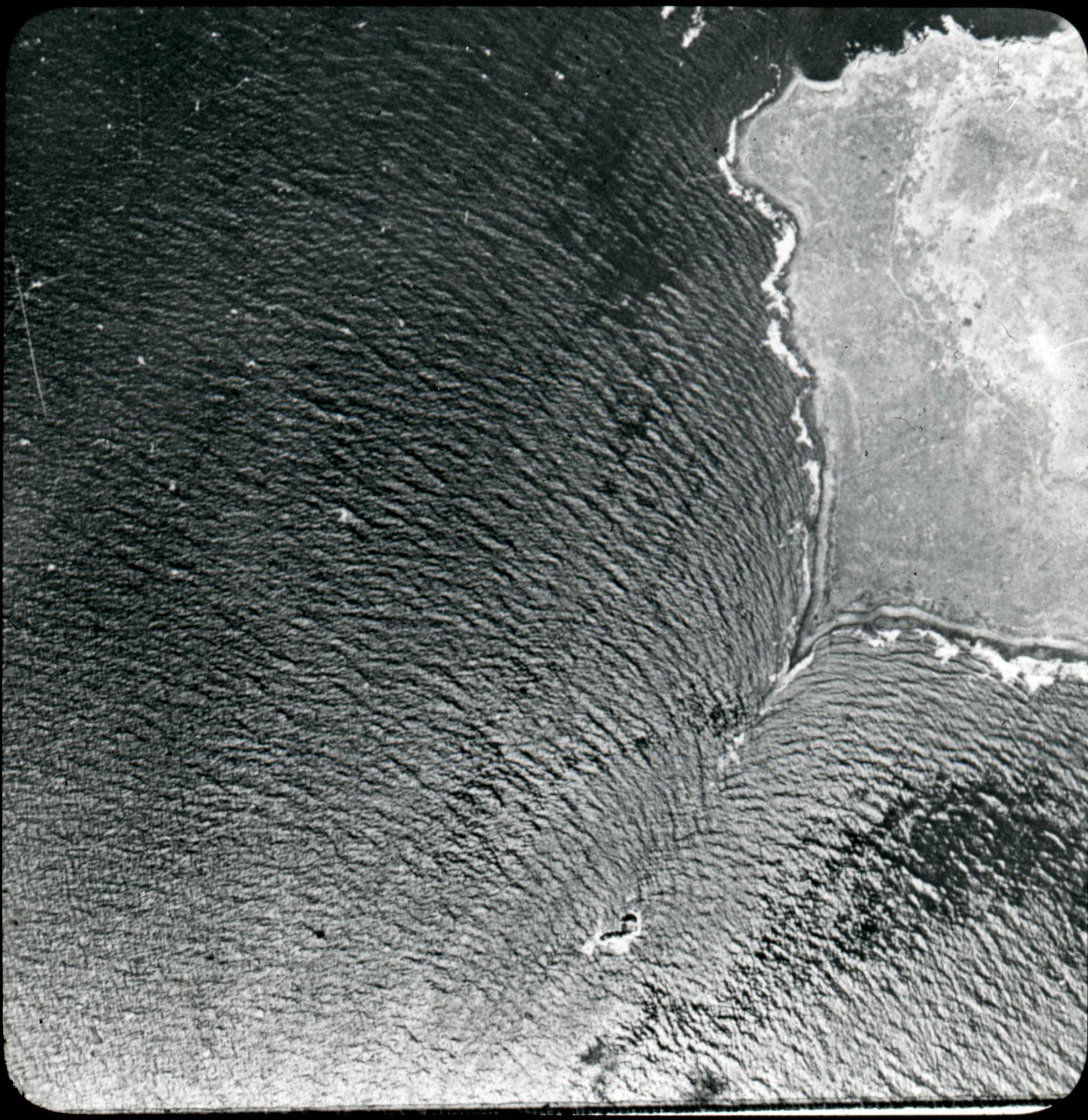
SHOAL

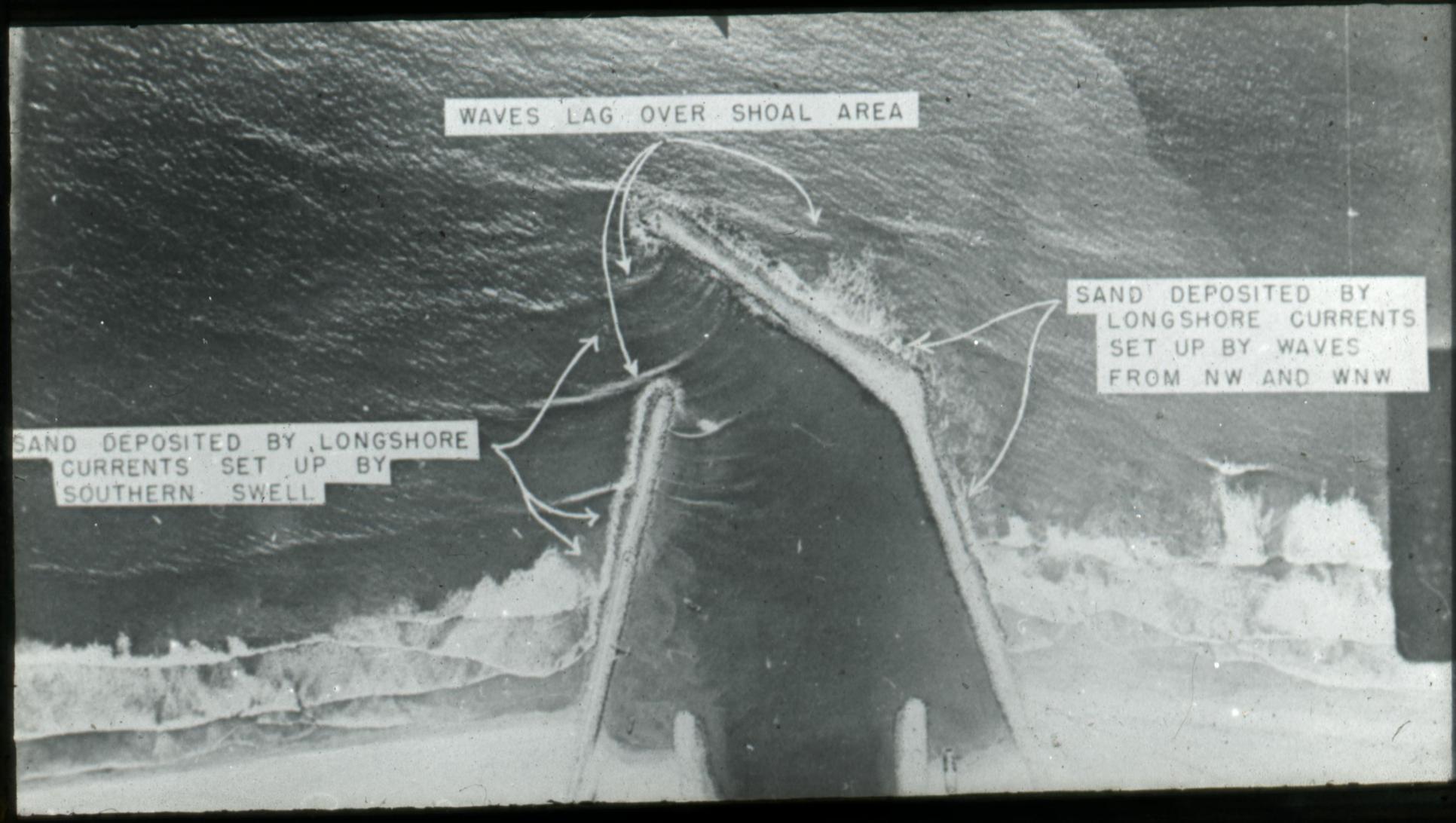
DEEP CHANNEL

SHALLOW
CHANNEL

WAVES BREAKING UP
INTO MULTIPLE CRESTS



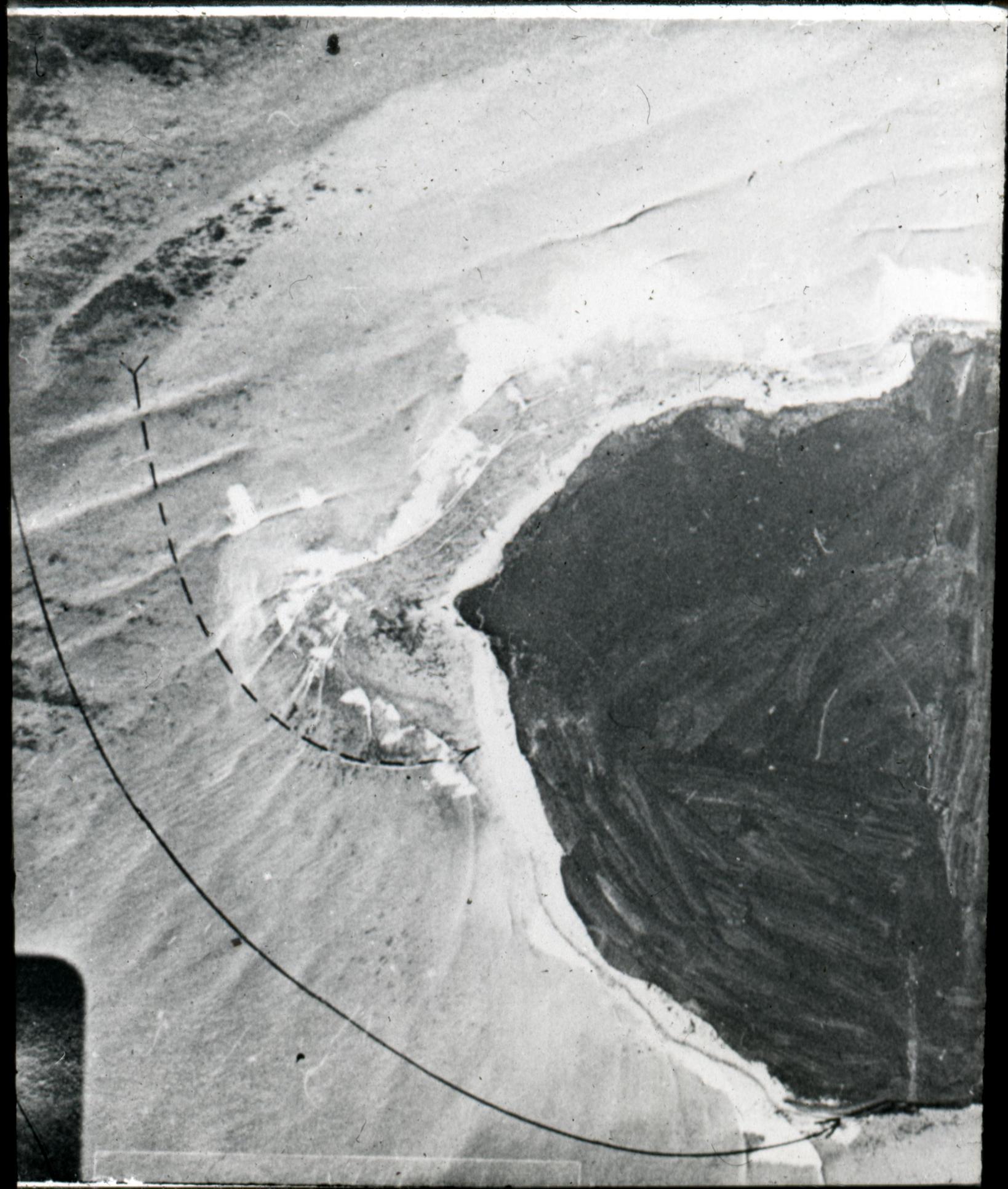


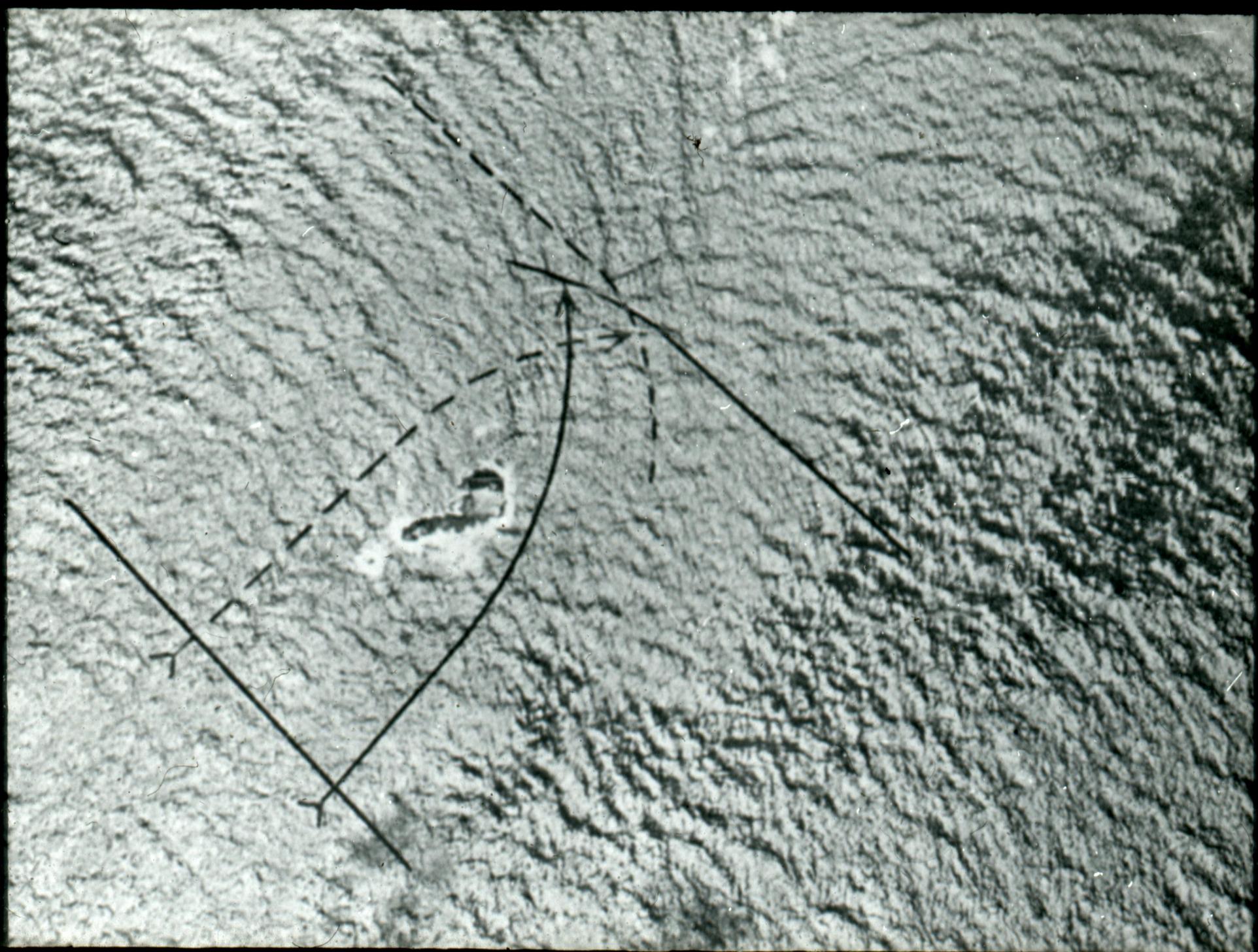
An aerial photograph of a coastal inlet or bay. The water is dark, and the surrounding land is light-colored. Three long, narrow sandbars or ridges extend from the shore into the water, forming a V-shape. White arrows point from text labels to specific features: one points to a curved area at the top of the V, another to a sandbar on the left, and a third to a sandbar on the right. The labels describe wave lags, sand deposition by longshore currents, and sand deposition by waves from the northwest and west-northwest.

WAVES LAG OVER SHOAL AREA

SAND DEPOSITED BY
LONGSHORE CURRENTS
SET UP BY WAVES
FROM NW AND WNW

SAND DEPOSITED BY LONGSHORE
CURRENTS SET UP BY
SOUTHERN SWELL



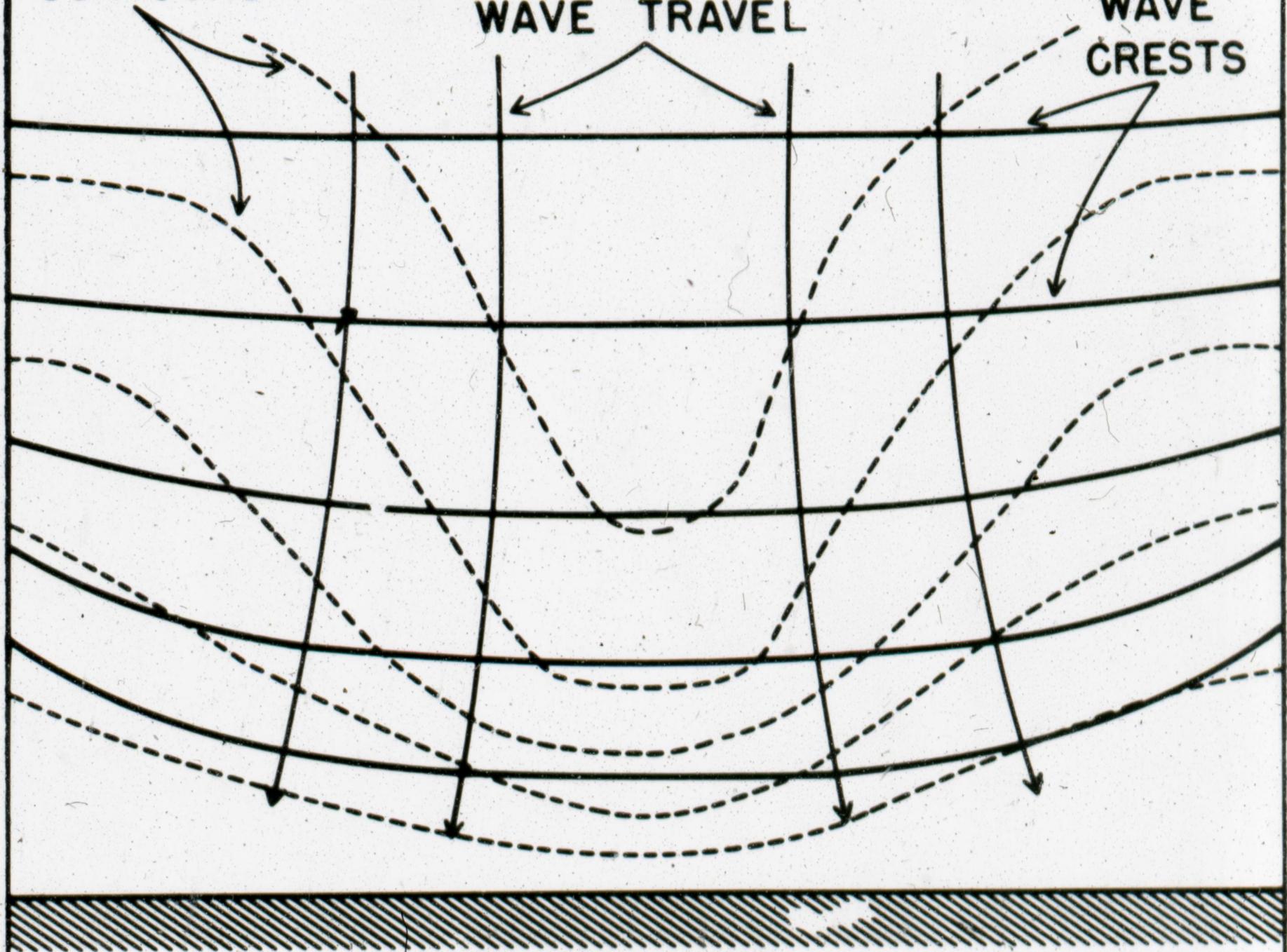




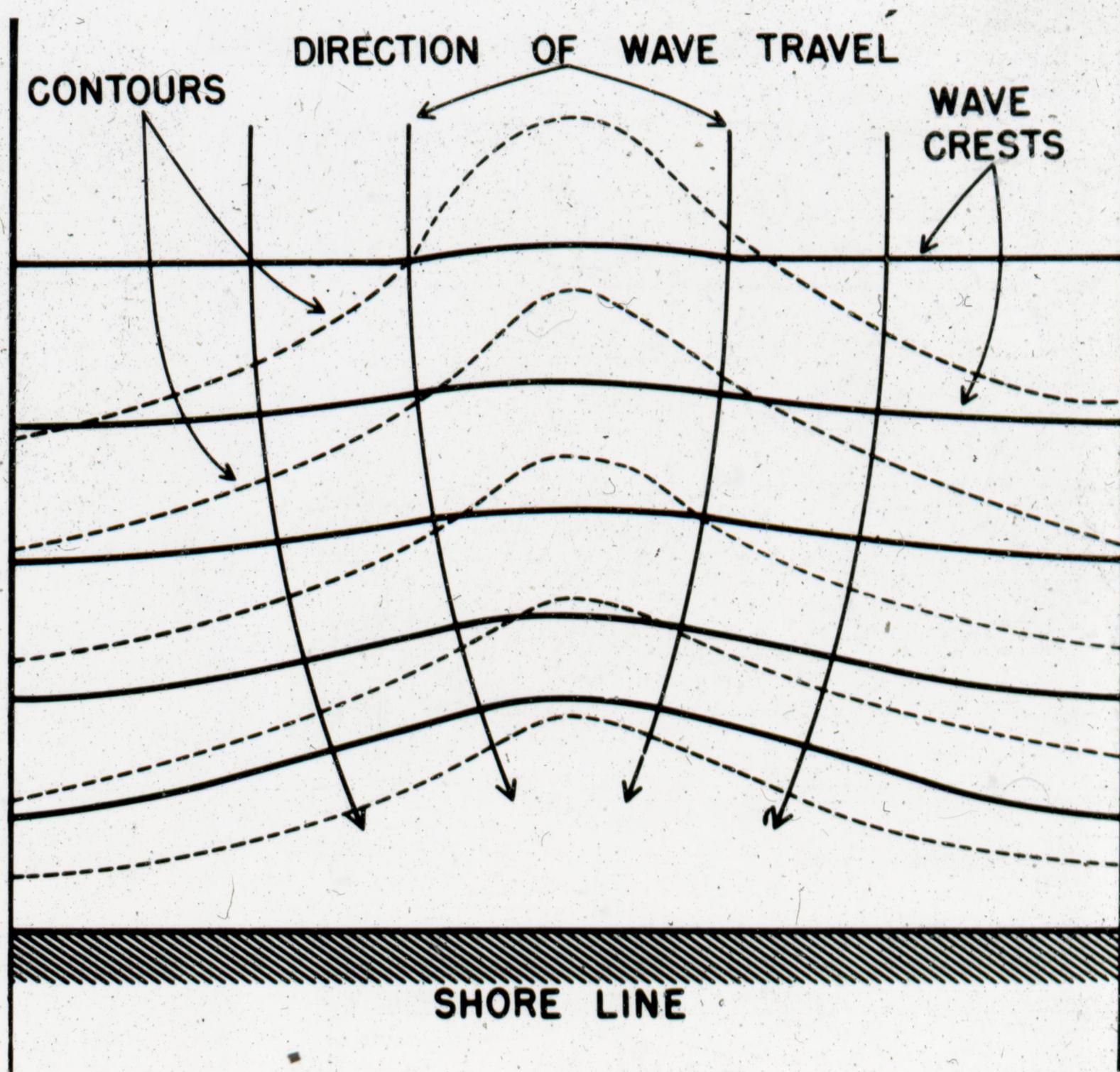
CONTOURS

DIRECTION OF
WAVE TRAVEL

WAVE
CRESTS



SHORE LINE



SWELL FROM WNW

PERIOD - 14 SECONDS

CREST INTERVAL - 1

REFRACTION
FACTOR

WIDTH OF LINE DESIGNATING
WAVE CRESTS

K = 0.1

K = 0.5

K = 1.0

K = 2.0

DEPTH

100 TO 500 FT.

> 500 FT.



PHOTOGRAPH SHOWN
IN FRAME 25 WAS TAKEN
HERE FROM CLIFFS, 200
FEET ABOVE SEA LEVEL