

UNITED STATES NAVAL INTELLIGENCE DIVISION  
SPECIAL TASK FORCE 079 - NEREUS DIVISION  
CONFIDENTIAL REPORT - INTERNAL USE ONLY  
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MEMORANDUM FOR RECORD

SUBJECT: Preliminary Assessment of Civilian Observations of  
Littoral Marine Disruptions ("Red Tide") in Proximity  
to UBP-079

I. BACKGROUND

Commencing in late spring of 1909, personnel of the Marine Biological Association of San Diego (MBA) in La Jolla, California, recorded a series of unusual marine environmental events localized approximately two to three nautical miles offshore, along the margin of La Jolla Submarine Canyon. These observations predate the 19 September 1909 fatal incident involving MBA diver personnel and the initial federal investigation into the anomaly, designated UBP-079.

Contemporaneous MBA field reports (Ref: MBA/OBS/1909-06 to MBA/OBS/1909-08) describe a recurring phenomenon characterized by significant marine discoloration, photic emission during nocturnal hours, and pronounced disruptions to local marine life behaviors, colloquially termed by civilian personnel as "red tide."

II. OBSERVATIONS (MBA FIELD LOGS)

- Subsurface Phenomena: Discoloration of sea surface waters, ranging from ruddy brown to deep crimson hues, forming a visible slick extending radially from presumed anomaly source point. Estimated affected area varied seasonally between 1.5 and 3.2 nautical miles in diameter.
- Photoluminescence: During nighttime observation periods, MBA observers documented faint yet discernible blue photic emissions emanating from the discolored water masses. Phenomenon appeared to intensify under conditions of elevated surf and during lunar perigee intervals.

- Marine Life Abnormalities: Civilian researchers observed mass disorientation events among fish species, uncharacteristic surfacings and strandings of pelagic mammals, and episodic mortality events among benthic invertebrates. Several instances recorded complete ecosystem disruption within defined littoral sectors.
- Temporal Correlation: Red tide phenomena demonstrated a quasi-periodic recurrence, frequently aligning with specific lunatidal syzygies, suggesting tidal modulation of underlying anomaly activity.

### III. INTERPRETATION AND THREAT ANALYSIS

Upon review of both MBA civilian records and classified NEREUS Project experimental data (Ref: STF079-LOG-020810), it is assessed with high confidence that the observed "red tide" occurrences are a direct external manifestation of the influence exerted by UEP-079 upon the marine environment.

Preliminary studies indicate that the bioluminescent properties observed are not characteristic of known dinoflagellate or algal bloom mechanisms, but rather correspond to particulate anomalies found in containment samples collected during the 2 August 1910 retrieval mission (Ref: NR/079-RR/1910-08). Particulate specimens exhibit persistent phosphorescence under laboratory conditions absent known biological activity.

At present, the spatial distance of the anomaly's effects from the populated shoreline (~2 nautical miles) mitigates direct threat to civilian populations engaging in normal coastal activities. Secondary effects upon local fisheries and marine commerce may become significant if unmonitored.

### IV. RECOMMENDATIONS

#### a. Public Communication Strategy

- Official civilian explanation to attribute "red tide" events to natural Harmful Algal Blooms (HABs), utilizing existing early hypotheses posited by MBA researchers.

- Public advisories to avoid waterborne activities during observed discoloration periods to be issued through standard coastal health channels. Messaging must emphasize the transient and natural character of the phenomenon.

b. Monitoring and Surveillance

- Establishment of continuous offshore surveillance units to monitor photoluminescent emissions, water chemistry, and marine behavioral anomalies.
- Immediate notification protocols to be developed for elevated activity detections.

c. Security and Secrecy Measures

- Strict compartmentalization of all knowledge pertaining to UBP-079 and associated phenomena.
- Civilian research to be redirected away from La Jolla Canyon through control of grants, permits, and publication access where feasible.

V. OPERATIONAL NOTES

Given the intersection of anomalous marine activity with increasing civilian scientific attention, the utmost discretion must be observed in all operations conducted within or near the affected sector. Routine reviews of civilian research outputs are to be implemented under KRYPTOS oversight.

VI. REFERENCE MATERIALS

- Full MBA civilian observation reports archived under STF079/MBA/ARCH/RT.
- NEREUS experimental logs correlating particulate bioluminescence phenomena under STF079-LOG-020810.
- Full retrieval and analysis report available under STF079-NR/079-RR/1910-08.