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[Redacted]

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15 April 1974

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MEMORANDUM FOR: [Redacted] U.S. Army Corp of Engineers

THROUGH : [Redacted], Deputy Chief, Programs Analysis Division, TSG  
 Chief, Imagery Exploitation Group, NPIC

SUBJECT : Review of KH Coverage of Great Lakes Shoreline.

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1. As requested at our meeting in late February, we have reviewed the KH coverage available over the sites you selected for your Great Lakes shoreline erosion project. Only one site, Eastlake, Ohio has multiple KH coverage that would permit comparative analysis. Several other sites have one-time only KH coverage that may provide a base year for the study.

2. Our evaluation of the Eastlake site is that analysis of the Lake Erie shoreline several miles either side of Eastlake, Ohio based on 1966, 1969, and 1972 KH photography appears feasible even though the 1966 photography may be of marginal value due to obliquity. The 1969 and 1972 photography are good enough for comparative analysis. The November 1966 coverage is oblique, clear photography of fair quality. Useable stereo coverage of the Lake Erie shoreline extends from Madison, westward to Willowick, Ohio. The December 1969 coverage is clear photography of fairly good quality and includes stereo coverage of the Lake Erie shoreline from Conneaut to Sandusky, Ohio. The July 1972 coverage is clear photography of good quality. Stereo coverage of the Lake Erie shoreline extends from a point just west of Fairport Harbor to Lorain, Ohio. (Mono coverage from the aft camera extends the shoreline coverage eastward almost to Madison, Ohio).

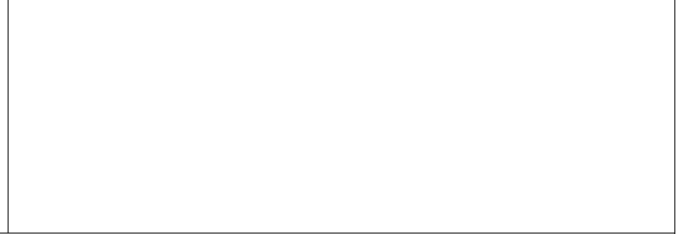
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WARNING NOTICE  
 SENSITIVE INTELLIGENCE SOURCES  
 AND METHODS INVOLVED

SUBJECT: Review of KH Coverage of Great Lakes Shoreline

PHOTO REFERENCES: EASTLAKE OHIO - 41-40N/081-26W

<u>SYSTEM</u>	<u>MISSION</u>
a. KH-4	1037-2
b. KH-4b	1108-1



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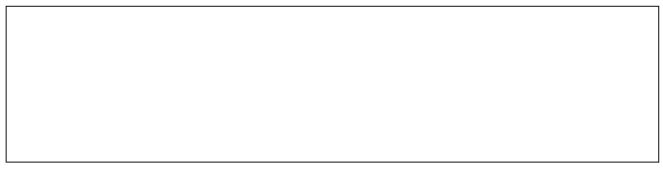
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3. March 1968 photography of the Lake Michigan shoreline from White Lake, Southward to St. Joseph, Michigan is available on one clear stereo coverage of fair quality. This coverage includes all four sites along the east shore of Lake Michigan (White Lake, Port Sheldon, Glenn and St. Joseph). The shoreline around the White Lake area is ice-free but ice is present at the shoreline at the other three sites. Also available is December 1969 coverage of Lexington, Michigan on hazy stereo photography of fair quality. Cloud cover precludes study of the shoreline south of Lexington.

PHOTO REFERENCES: LAKE MICHIGAN SITES

- White Lake - 43-21N/086-25W
- Port Sheldon - 42-50N/086-12W
- Glenn - 42-31N/086-15W
- St. Joseph - 42-02N/086-31W

<u>SYSTEM</u>	<u>MISSION</u>
KH-4	1046-1



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PHOTO REFERENCES: LEXINGTON, MICHIGAN - 43-16N/082-31W

<u>SYSTEM</u>	<u>MISSION</u>
KH-4b	1108-1



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TOP SECRET RUFF

SUBJECT: Review of KH Coverage of Great Lakes Shoreline

4. We have requested coverage of the above areas during the current [redacted] This coverage should be available in the next several weeks. Any questions regarding this project should be directed to [redacted] NPIC/IEG, phone number [redacted]

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Chief, New Applications Branch, IEG  
NPIC

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