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II

**APPLICATION OF LANDSAT SYSTEM FOR IMPROVING METHODOLOGY FOR
INVENTORY AND CLASSIFICATION OF WETLANDS**

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**Dr. David S. Gilmer
U.S. Fish and Wildlife Service
Northern Prairie Wildlife Research Center
Jamestown, North Dakota 58401**

4 October 1975

**Type II Progress Report for Periods 4 April - 3 July and 4 July -
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**Prepared for:
National Aeronautics and Space Administration
Goddard Space Flight Center
Greenbelt, Maryland 20771**

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**Type II Progress Report
LANDSAT-2**

(Cover Sheet)

(Technical Report Standard Title Page)

**Title: Application of LANDSAT system for improving methodology
for inventory and classification of wetlands**

LANDSAT Proposal No.: 23000

GSFC ID No. of P.I.: 300

A. Problems

Formalization of a contractual agreement between the FWS and ERIM has been delayed due to unanticipated administrative problems. We are hopeful the contract will be finalized within the next few weeks.

B. Accomplishments

Aircraft missions in support of this investigation were flown on 15-16 May and 18-19 July 1975 by NASA's NP-3A. Appropriate ground truth data were collected during aircraft and satellite overflights. Certain aircraft data products have been received and are being evaluated. Selected satellite imagery has been ordered and many of these items have already been received. Service from EROS Data Center has been good. We have been receiving products about 30 days after placing an order. Our May request for LANDSAT-1 imagery was granted by NASA and implemented by EROS Data Center in July.

C. Significant Results

None

D. Publications

None

E. Recommendations

We have had some delay in reviewing the screening photography because of the difficulty in obtaining a viewer capable of handling the 16 mm magazines. It would be helpful to place this type of data on 35 mm open reels in the future. Scanner oscillograph rolls were printed backwards causing serious difficulties in orientation

and assessment of this data. Scanner preview data should be printed to facilitate orientation. Transparencies would provide the best format where a large amount of scanner data are involved.

F. Funds Expended

No funds other than those itemized below have been expended.

G. Data Use

	<u>Value of data allowed</u>	<u>Value of data ordered</u>	<u>Value of data received</u>
Imagery (#G23000)	\$6800.00	\$2906.00	\$2690.00
CCT (#GB30000)	\$3600.00	0.0	0.0
Aircraft (#GW3000)	\$7920.00	0.0	0.0

H. Aircraft Data

Aircraft screening photography and oscillograph reproduction of scanner data have been received. We have begun the evaluation of these products.