

SUPPORT AGREEMENT
between
THE UNITED STATES DEPARTMENT OF DEFENSE
DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
COLD REGIONS RESEARCH AND ENGINEERING LABORATORY
and
THE UNITED STATES DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE
OFFICE OF HYDROLOGY

3/88

Re: CRREL → NOAA

Relative to: Cooperative support of Remote Sensing Hydrology Program

This agreement is entered into on behalf of the Corps of Engineers' laboratory community by the U.S. Army Cold Regions Research and Engineering Laboratory (USACRREL), Hanover, New Hampshire and National Oceanic and Atmospheric Administration (NOAA), National Weather Service, Office of Hydrology, Silver Spring, Maryland. The purpose of this agreement is to support the cooperative program to provide operational, remotely sensed hydrology products to the major Federal hydrology agencies for use in various operation and research hydrology programs. CRREL, as the Remote Sensing Program Manager for the Corps of Engineers, by this agreement intends to support this multi-agency, operational Remote Sensing Hydrology Program, subject to availability of funds. The data generated by NOAA will be used by the Corps to evaluate various hydrology models presently being used by the Corps of Engineers.

General Provisions

1. NOAA will provide the Corps of Engineers remotely sensed hydrology products for real-time use in both operational and research hydrology programs. During the course of the multi-agency program, NOAA will be establishing and maintaining techniques and procedures necessary to generate real-time, operational satellite hydrology products.
2. The level of support that CRREL will provide to NOAA, subject to availability of funds, is approximately \$60K-\$90K per fiscal year, FY88-92.

6 Encl # 2

<u>FY88</u>	<u>FY89</u>	<u>FY90</u>	<u>FY91</u>	<u>FY92</u>
\$90.0	\$89.7	\$64.2	\$69.0	\$59.8

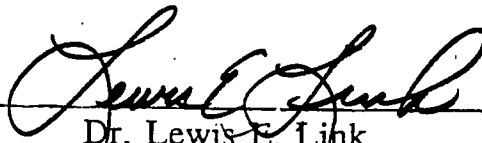
3. Services under this agreement may be terminated by either party. Notification of intent to terminate the agreement will be given as soon as possible. However, written notice must be provided not less than thirty (30) days in advance of the effective date of termination.

4. Points of contact with regard to this agreement are Dr. Harlan L. McKim (CRREL-RD) and Thomas Carroll (NOAA NWS).

UNITED STATES DEPARTMENT OF DEFENSE
DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
COLD REGIONS RESEARCH AND ENGINEERING LABORATORY

3-21-88

Date

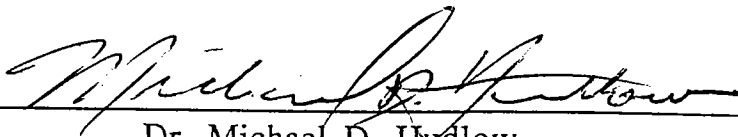


Dr. Lewis E. Link
Technical Director, CRREL

UNITED STATES DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE
OFFICE OF HYDROLOGY

3/30/88

Date



Dr. Michael D. Hudlow
Director, Office of Hydrology

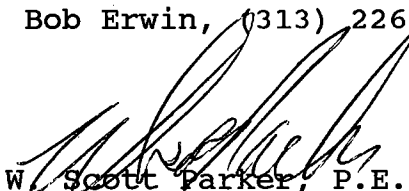
NOAA
Reimb 9/95

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MEMORANDUM FOR Commander, North Central Division, ATTN:
CENCD-PE-ED (J. Miller), River Central
Building, 14th Floor, 111 North Canal Street,
Chicago, Illinois 60606-7205

SUBJECT: Support for Others; Reimbursable Work, U.S. Department
of Commerce National Oceanic & Atmospheric Administration, Great
Lakes Environmental Research Laboratory, Muskegon Harbor,
Michigan, Shoreline Erosion Control

1. Reference: CENCD-PE-PP, dated 31 Aug 1995, 1st Endorsement,
Subject as above.
2. Enclosed is a copy of the executed Interagency Agreement
between the Detroit District, Corps of Engineers and the U.S.
Department of Commerce, National Oceanic & Atmospheric
Administration. As requested, we are forwarding a copy of the
agreement to CECW-I.
3. The POC for this matter is Mr. Bob Erwin, (313) 226-6863.


W. Scott Parker, P.E., Chief,
Chief, Programs & Project
Management Division

Enclosure

cf: CECW-I ✓