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UNITED STATES MARINE CORPS
Marine Corps Base
Camp Lejeune, North Carolina 28542-5001

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FAC
JAN 0 8 1987

From: Commanding General, Marine Corps Base, Camp Lejeune
To: Commandant of the Marine Corps (LFL)

Subj: IN-PROGRESS REVIEW OF N.A.C.I.P. PROGRAM WITH STATE OFFICIALS

Encl: (1) Proposed Agenda

1. We request your attendance and participation in the subject review, 21 January 1987. Representatives are invited from State hazardous waste, CERCLA (Superfund) water supply, groundwater protection and coastal management offices. A similar briefing was given to USEPA Region IV officials in July 86.

2. The purpose of this review is to describe extensive efforts of the Navy/Marine Corps in CERCLA and RCRA compliance as described in the enclosure. This presentation should expedite State review and approval of FY 88-89 NACIP project results by keeping them informed along the way.

3. Please advise Mr. Bob Alexander, AV 484-3034 of any additional details you may desire.

T. J. DALZELL
By direction

Copy to:
CMC (LFF)
LantDiv (Code 114)
CO, MCAS, NR
(Attn: Ground Safety Mgr)
Env Science & Eng, Inc.

AGENDA

REVIEW OF N.A.C.I.P. PROGRAM

MARINE CORPS BASE
CAMP LEJEUNE

BUILDING 425

21 JANUARY 1987

0800-0810	Welcome & Introductions	Col T. J. Dalzell Asst Chief of Staff, Facilities
0810-0830	Command Brief	Asst Chief of Staff, Training & Operations
0830-0845	NACIP Program Introduction	Mr. Bob Alexander MCB Environmental Engineer
0845-0930	Confirmation Study Update	Mrs. Cheryl Barnette LANTNAVFACENGCOM & Mr. Bob Gregory Envir. Science & Energy, Inc.
0930-1000	USGS Groundwater Study	Mr. Doug Harned USGS
1000-1130	N.C. Agency Questions and Comments	State Staff
1130-1230	Lunch, No Host	
1230-1530	Tour of NACIP Sites	MCB Staff
	Hadnot Point Industrial Area -	TCE Groundwater Contamination
	Hadnot Point Burn Dump Site -	Heavy Metals, Organic Compounds detected
	French Creek Liquids Disposal -	Solvents detected
	Lot 201/203 -	Solvents, Pesticides detected
	MCAS, New River Fuel Farm -	JP-5 Fuel Tank Spill & Recovery System

Enclosure (1)

Camp Geiger Dump - Heavy Metal, Organic cpds detected

Tarawa Terrace PX Station - Gasoline Recovery/Research Site

1530-1600 Return to Building #1

CAMP LEJEUNE

NAVY ASSESSMENT & CONTROL OF INSTALLATION POLLUTANTS

21 JAN 87

NAME	REPRESENTING	PHONE
J. FRED HILL	NC DHS - Water Supply Gnrl	756-1343
W.E. (Wally) Venrick	NC DHS WATER SUPPLY	919-733-2321
[illegible]	NC Div. of Health Serv. [illegible]	733-2321
MICHAEL BELL	Greenville	756-1343
PERRY NELSON	N.C. DIV. ENV. MGMT.	919 733 3221
RICK SHIVER	N.C. D.E.M.	919 256-4161
BOB ALEXANDER	MCB FACILITIES DEPT	919-451-3034
Cheryl Barnett	Atlantic Division Naval Facilities Engineering Command	(804) 445-1819
BOB GREGORY	[illegible] (ESE)	(904) 332 3316
O. BRUCE LLOYD JR.	US Geological Survey Water Resources Division	(919) 856-4791
WANDA MEEKS	"	919-856-4510
DOUGLAS HARNED	"	919-856-4791
RONALD COBLE	"	"
MARY WHEAT	MCAS, NEW RIVER	919-451-6518
LEE CROSBY	NC DHR Solid + Haz Waste	733-2801
James Carter	NC DHR Solid + Hazardous Waste	919/733-2178
Paul Laymon	NC, DHR, Solid + Haz. Waste Manag.	919/733-2178
LT COL J. A. Wellington	OSJA, MCB	5177
ELIZABETH A. BETZ	NREAD, MCB	919/451-5977

DHS - potable water quality at point of distribution (MCLs)

DEM - groundwater / surface water quality in situ (ACLs)

DHR Solid + HW Mgmt. - they believe our work will fall under RCRA corrective action; they anticipate authorization soon

CERCLA - NC does not conduct Superfund responses; branch exists primarily to complement fed. efforts

Project Report - April 1986 - January 1987

INVESTIGATION NC 00-084: An appraisal of the ground-water resources of Camp Lejeune Marine Corps Base, N.C.

PERIOD OF INVESTIGATION: 1986-89

INVESTIGATION CHIEF: Douglas A. Harned, U.S. Geological Survey, Box 2857, Raleigh, N.C., 27602, FTS 672-4791, 919-856-4791

COOPERATOR: Federal

OBJECTIVE: The objectives of this study are: to describe the ground-water resources of the Base and environs and to construct an appropriate ground-water flow model that will be used to evaluate alternative ground-water use and management practices. This is a three-phased study: the first phase is examination of available data, the second phase is collection of additional data and construction of new observation wells, and the third phase is modelling.

SIGNIFICANT FINDINGS AND PROGRESS: A stream-gaging station, and a rain gage were installed in the Town Creek basin to provide data on ground-water recharge. Water-level recorders were installed at HP-630, TT-53, RR-97, and at the Folkstone NRCD site. Well drilling at the Camp Lejeune NRCD site began in September. Water-use and well-file data were obtained. A well inventory was made in preparation for the well logging and water-level surveys run in October. A tide gage and a barometer were installed. In the water level survey 107 wells were checked and water levels were obtained at 76 of those wells. Geophysical logs were run in November for the 16 open wells identified in the well survey. Data obtained from Camp Lejeune files on static water levels, pumping levels, and drawdown were entered into a SAS dataset.

PLANS FOR NEXT QUARTER: Continue examination of existing water use and well data. Install one additional water-level recorder. Analyze the water-level data and develop a preliminary water-level map. Establish elevations of the 76 wells where water levels were obtained. Examine geophysical log data, and make a preliminary geohydrologic framework. Obtain geophysical logs of new observation wells being drilled by ESE. Make a second water-level survey in March. Write the annual project report.

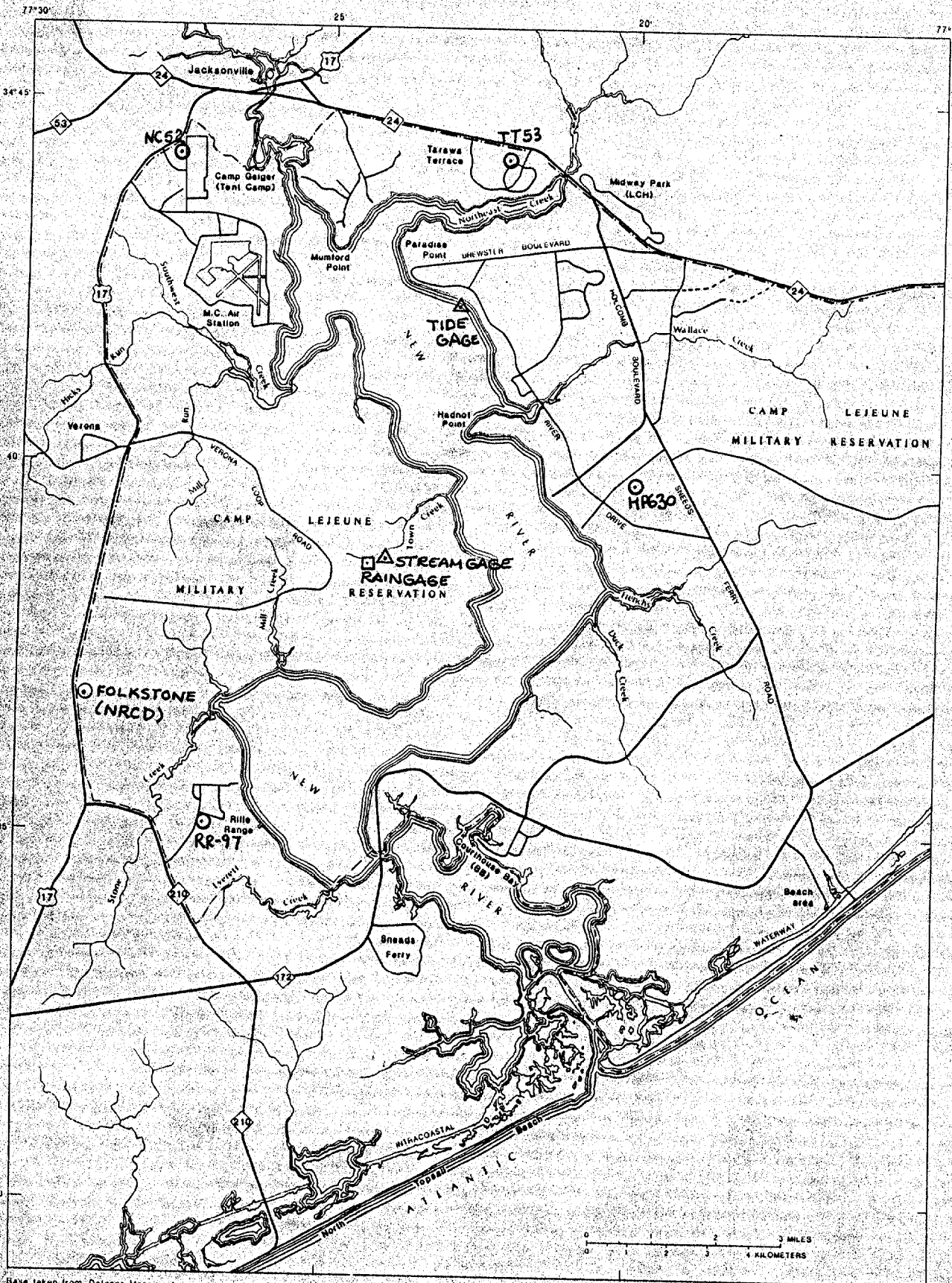
REPORT STATUS: Data collection and analysis for the annual project report is underway.

PROJECT HIGHLIGHTS:

A. Project stage: Phase I: review of existing data and preliminary description of the geohydrologic framework.

B. Cooperator Contacts: Periodic contact with Mr. Price and Mack Frazelle of Utilities, periodic meetings with Bob Alexander of Facilities, and a meeting with Mike Geden of ESE.

C. Changes affecting project elements: None.
D. Problems associated with project: None.
E. Hydrologic data released: Water level data for the NRCD Folkstone station and 16 Gamma-ray log copies sent to Rick Shiver of NRCD 1/16/87.



Base taken from Defense Mapping Agency Hydrographic Center, Camp Lejeune Special Map, 1:50,000

Locations of U.S. Geological Survey water-level recorders (Folkstone, RR-97, HP630, TT53, and NC52), streamgage, tidegage and raingage.