

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 LANTNAVFACENCOM & 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	

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Camp Geiger Dump - Heavy Metal, Organic cpds detected  
Tarawa Terrace PX Station - Gasoline Recovery/Re-  
search Site

1530-1600

Return to Building #1

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PACIP STATUS REPORT

01-21-87 (0800-1100)

0820 WELCOME, COLONEL DALZELL

0829 COLMADO BRISLING, MAJ. HERNANDEZ

0850 PACIP PROGRAM: BOB ALEXANDER

A. PACIP ORGANIZATION:

HQ/IC

DAVEACENGC.COM

CL/ICB

ATLANTIC DIV

FACILITIES DEPT

ENVIR SCIENCE & ENG

B. DOD/ΣPA MOU ON CERCLA: 1983

1. DOD FINANCES/CONDUCTS RESPONSE
2. ΣPA PROVIDES TECH ASST

C. PACIP PHASES:

1. INITIAL ASSESSMENT STUDY (04-83)

a. 76 SITES STUDIED

- 1) 54 SITES - NOTHING FOUND
- 2) 22 SITES - NEEDED FURTHER STUDY

b. CONFIRMATION STUDY AT

22 SITES

- 1) 15 SITES - CONTAMINATION VERIFIED

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- 2) 2 SITES - TRACE LEVELS OF DDT-R

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- 3) 2 SITES - NO FUEL CONTAMINATION

HACIP STATUS REPORT

4) 3 SITES - NOTHING FOUND

1A VERIFICATION

DOES CONTAMINATION EXIST?

1B CHARACTERIZATION

NATURE & EXTENT  
RATE OF MIGRATION  
GEO-FACTORS.

2 FEASIBILITY REPORT

ALTERNATIVES FOR COMPLIANCE

3 FUNDING REQUESTS

PROJ DOCUMENT  
COST ESTIMATES

0905 CONFIRMATION STUDIES: BOB GREGORY

A. 22 SITES ARE IN STEP 1A AND ONE (1) SITE (S) IN STEP 1B.

B. "HADDOT POINT - 602" PROJECT; STEP 1B.

1. IDENTIFICATION OF SOURCES:

a. TEN (10) BUILDINGS WERE IDENTIFIED WHERE SOLVENTS HAD BEEN USED IN THE PAST;

b. SOIL GAS SURVEYS WERE CONDUCTED TO CONFIRM PRESENCE TCE IN SUBSURFACE;

c. CONFIRMED SOURCES:

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- 1) BASE MAINTENANCE (HP-1202)
- 2) GRAPHICS SHOP
- 3) MAINTENANCE SHOP (HP-1601, HP-1502 AREAS)

# DEFINITION OF ACRONYMS

NACIP - NAVAL ASSESSMENT AND CONTROL  
OF INSTALLATION POLLUTANTS

HQMC - HEADQUARTERS MARINE CORPS

CLMCR - CAMP LEJUNE MARINE CORPS BASE

NAVEACENG-COM - NAVY FACILITY ENGINEER-  
ING COMMAND

DOD - DEPARTMENT OF DEFENSE

EPA - ENVIRONMENTAL PROTECTION AGENCY

POL - PETROLEUM, OIL, AND LUBRICANTS

TCE - TRICHLOROETHYLENE

DCE - DICHLOROETHYLENE

LADIV - ATLANTIC DIVISION

MOU - MEMORANDUM OF UNDERSTANDING

HP - "HARDOT POINT"

USGS - UNITED STATES GEOLOGICAL SURVEY

DOD IR PROGRAM - DEPT OF DEFENSE  
INSTALLATION RESTORATION PROGRAM

AS - "AIR STATION"

NPL - NATIONAL PRIORITY LIST

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NACIP STATUS REPORT

4) MOTOR POOL DEGREASING  
RACK

5) HP-901, HP-902, AND HP-903  
AREAS - SOLVENTS USE  
AND LAND DISPOSAL  
OF WASTE POL

NOTE: TEN (10) WELLS WERE SHUTDOWN  
DURING 1985: EIGHT (8) AT  
HADDOT POINT AND TWO (2)  
AT TARAWA TERRACE. NOW  
BOB ALEXANDER SAYS WELLS  
AS-106 AND HP-645 WERE  
SHUTDOWN 01-13-87; AS-106  
CONTAINED 5 MG/L OF DCE  
AND HP-645 CONTAINED BENZENE.

695  
H31-106

0944 BREAK

1013 CHERYL BARNETT, CONFIRMATION  
STUDY UPDATE

1020 STATUS REPORT ON USGS GROUND-  
WATER STUDY; DOUG HARDEN

1043 GENERAL DISCUSSIONS

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EPA WILL HAVE OVERSIGHT AT DPL  
SITES; DOD WILL HAVE OVERSIGHT  
AT NON-DPL SITES.

## 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 NRC site. Well drilling at the Camp Lejeune NRC 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 127 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.

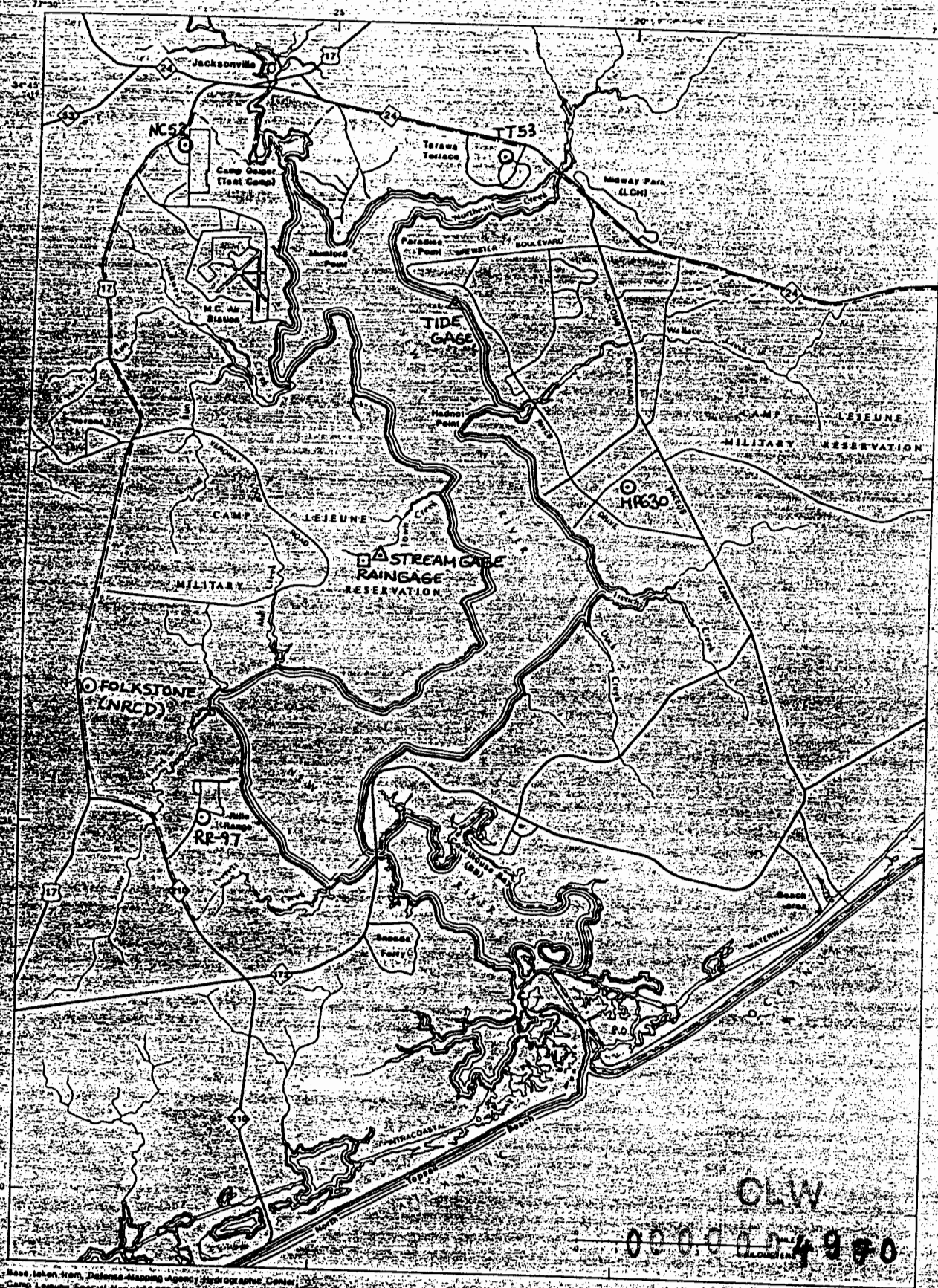
REPORT STATUS: Data collection and analysis for the annual project report is underway.

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 NRC Folkstone station and 16 Gamma-ray log copies sent to Rick Shiver of NRC 1/16/87.

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

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Locations of U.S. Geological Survey water-level recorders (Folkstone, RR-97, HP630, TT53, and NC52), stream gage, tide gage and rain gage