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

6280/11
FAC
FEB 0 5 1987

North Carolina Division of
Environmental Management
Attn: Mr. Rick Shiver
7225 Wrightsville Avenue
Wilmington, North Carolina 28403-3969

Re: Progress Report: JP-5 Recovery,
MCAS, New River

Dear Mr. Shiver:

We are forwarding the December progress report for your information and review. We will provide subsequent updates upon receipt from the contractor.

For further information, please contact Mr. Bob Alexander, MCB Environmental Engineer at (919) 451-3034.

Sincerely,

T. J. DALZELL
Colonel, U. S. Marine Corps
Assistant Chief of Staff, Facilities
By direction of the Commanding General

Encl:
(1) Progress Report

Copy to:
CMC (LFL)
LANTNAVFACENGCOM (Code 114)
CO, MCAS, NR

A 1/30

SPECIALIZED MARINE, Inc.

P.O. Box 813 Wrightsville Beach, NC 28480 (919) 256-5780

January 14, 1987

Commander General
U. S. Marine Corps Base
Assistant Chief of Staff-Facility
ATTN: Mr. Bob Alexander
Camp Lejeune, N. C. 28452-5001

Dear Bob:

Attached is our monthly assessment monitoring report for the Union 76 Station, Camp Lejeune, N. C., as prepared by our engineers, Richard Catlin & Associates, Inc. Also enclosed is an extra copy of the monitoring report which should be forwarded by your office to Mr. Rick Shiver, P.G., at the N.C. Division of Environmental Management, 7225 Wrightsville Avenue, Wilmington, N.C. 28403-3696.

Should you have any questions or require further information, please do not hesitate to contact this office. We will keep you informed of significant developments and report to you again next month.

Sincerely,

Burt Lea

Burt Lea, President

Enclosures

ABL/nd

Richard Catlin & Associates, Inc.

CONSULTING ENGINEERS AND HYDROGEOLOGISTS

RC&A

January 13, 1987

Specialized Marine, Inc.
ATTN: Mr. Burt Lea
P. O. Box 813
Wrightsville Beach, N. C. 28480

Dear Mr. Lea:

Attached is our monthly monitoring report concerning the JP-5 clean-up project near the Marine Corps Air Station in Camp Lejeune, N. C.

Figure 1 shows a diagram of the interpolated water table contours. The estimated extent of free floating JP-5 contamination at the site is illustrated on Figure 2. Figure 3 shows the cumulative recovery of JP-5 over time, as it is collected from the separator by J. Gonzales and the U. S. Marine Corps fire training personnel.

If you should have any questions or requests, please do not hesitate to contact our office. We will keep you informed of any significant changes.

Sincerely,

Stephan A. Tyler
Project Geologist

Richard G. Catlin, P.E., P.G.
President

Enclosures

SAT/nd

JOB: JP-5, CAMP LEJEUNE, MCAS COMPUTED BY: SAT DATE: 1/13/87

DESCRIPTION: Monitoring CHECKED BY: RGC DATE: 1/13/87

MONTHLY ASSESSMENT MONITORING REPORT

1) WATER TABLE SURFACE:

A) OBSERVATIONS: During this past month, the water table configuration and flow direction have remained relatively unchanged. There has been a deformation in the cone of depression due to the switching of an ejector pump from well #R-3 to #W-5 (see Figure 1).

2) CONTAMINATION PLUME:

A) OBSERVATIONS: As shown on Figure 2, there has been very little change in the estimated extent of JP-5 contamination at the site. At the time of our visit, monitoring wells #W-4, #W-5, #W-10 and recovery wells #R-1, #R-2 and #R-3 had measureable accumulations of free floating product.

3) RECOVERY SYSTEM:

A) CHANGES SINCE LAST REPORT: The ejector pump from recovery well #R-3 has temporarily been installed in well #W-5.

B) DISCUSSION: The recovery system continues to function successfully. To date, approximately 2,539 gallons of recovered JP-5 have been removed from the separator by J. Gonzales, of Specialized Marine, Inc., and the U.S.M.C.

JOB: JP-5, MCAS, Camp Lejeune COMPUTED BY: SAT DATE: 1/9/87

DESCRIPTION: Monthly Monitoring CHECKED BY: RGC DATE: 1/9/87

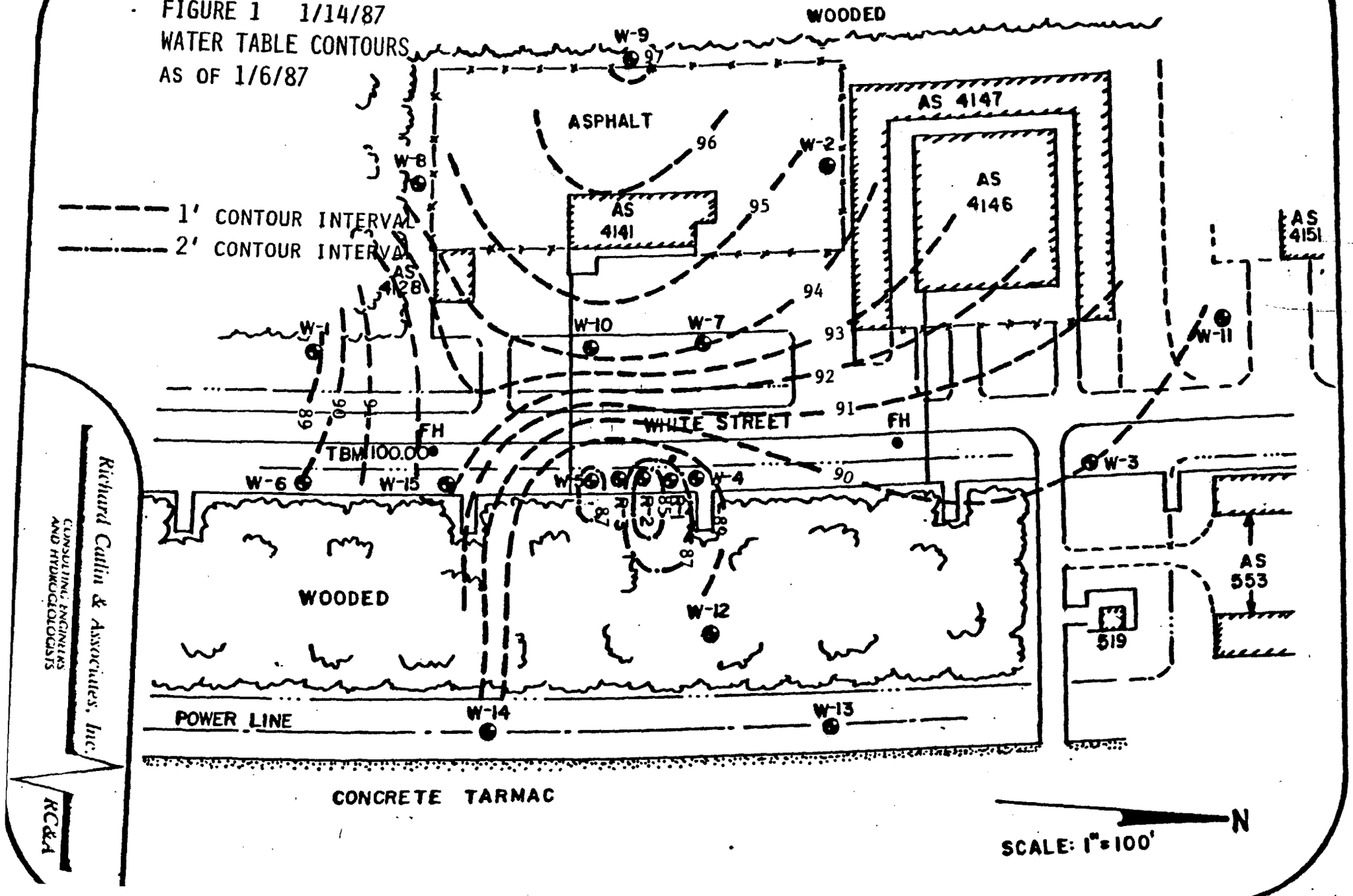
DATA REDUCTION OF MEASUREMENTS TAKEN 1/6/87

WELL #	WATER TABLE ELEVATION*	PRODUCT THICKNESS (IN FEET)
R-1	86.78	6.42'
R-2	83.09	1.41'
R-3	88.19	1.40'
W-1	88.48	-
W-2	94.64	-
W-3	90.02	-
W-4	88.08	10.02'
W-5	86.49	4.61'
W-6	90.00	-
W-7	94.19	-
W-8	94.57	-
W-9	97.27	-
W-10	94.61	0.37'
W-11	89.75	-
W-12	89.93	-
W-13	89.59	-
W-14	89.46	-
W-15	92.48	-

* Adjusted for Specific Gravity Influence of Floating Product.

JP-5 CLEAN-UP MCAS

FIGURE 1 1/14/87
WATER TABLE CONTOURS
AS OF 1/6/87

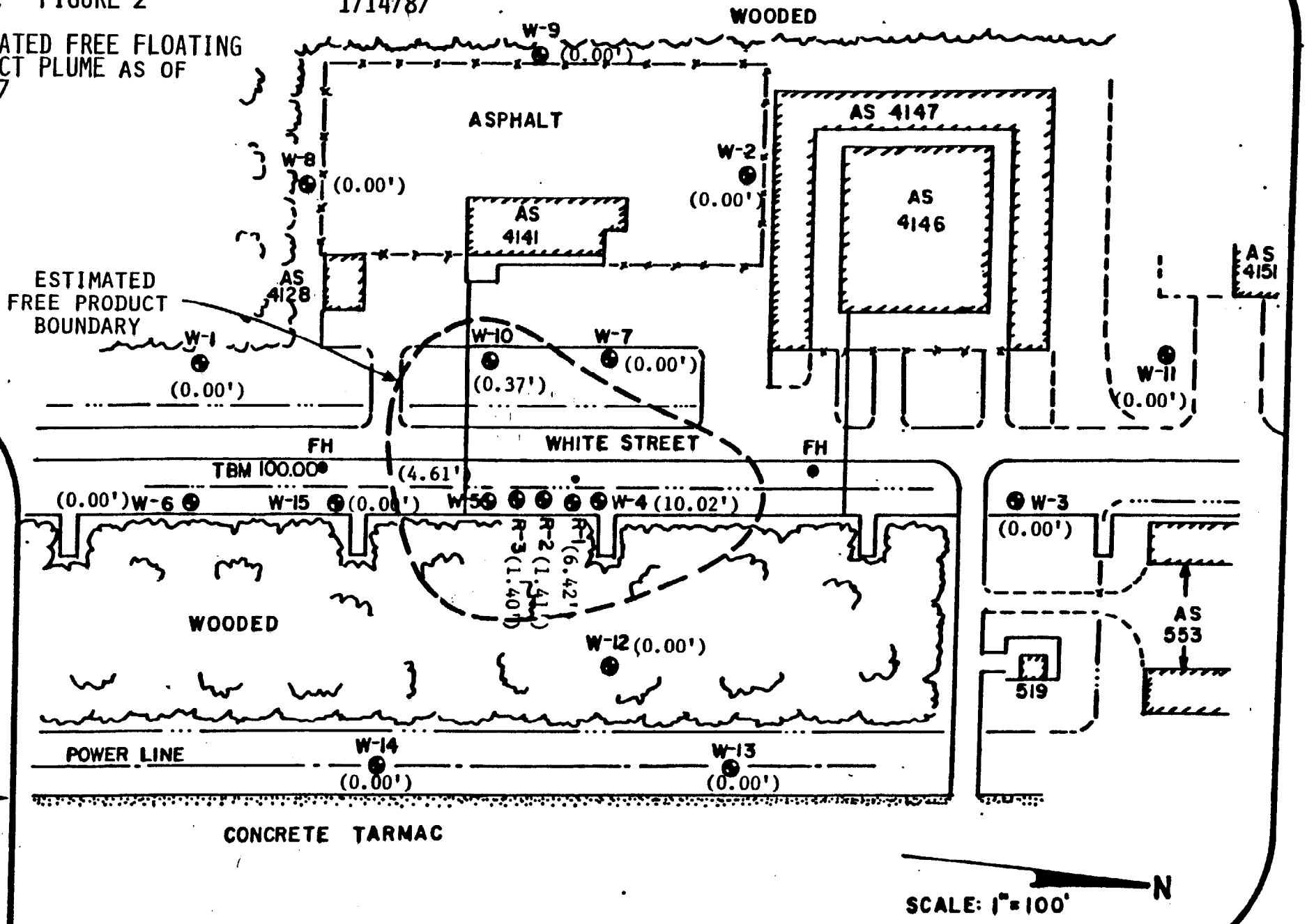


Richard Catlin & Associates, Inc.
CONSULTING ENGINEERS AND HYDROGEOLOGISTS
RC&A

JP-5 CLEAN-UP MCAS

FIGURE 2 1/14/87

ESTIMATED FREE FLOATING PRODUCT PLUME AS OF 1/6/87



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