

01.02-05/15/87-02082



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

6280/11  
FAC  
MAY 15 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 April progress report for your information and review. We will provide subsequent updates upon receipt from the contractor.

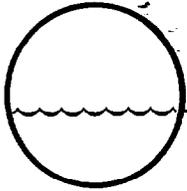
For further information, please contact Mr. Bob Alexander, MCB Environmental Engineer at (919) 451-3034.

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



# SPECIALIZED MARINE, Inc.

P.O. Box 813

Wrightsville Beach, NC 28480

(919) 256-5780

A 5/12

May 6, 1987

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

RE: Jet Fuel Clean-Up  
White Street, MCAS  
Camp Lejeune, N. C.

Dear Bob:

Attached is our monthly monitoring report for the JP-5 clean-up at Camp Lejeune, N. C. An additional copy is also attached for you to forward to Mr. Rick Shiver, P.G., of the N. C. Division of Environmental Management, 7225 Wrightsville Avenue, Wilmington, N. C. 28403-3696.

We will continue to closely monitor this project and will report to you again next month. Please feel free to contact this office if you have any questions or requests.

Sincerely,

Burt Lea, President  
Specialized Marine, Inc.

Enclosures

ABL/nd

*Richard Catlin & Associates, Inc.*

CONSULTING ENGINEERS AND HYDROGEOLOGISTS

RC&A

April 30, 1987

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

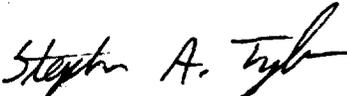
Dear Mr. Lea:

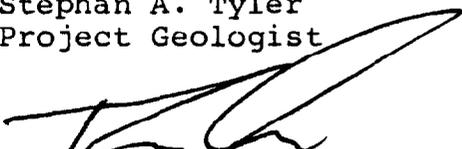
Attached is our monthly monitoring report concerning the JP-5 clean-up project near the Marine Corps Air Station in Camp Lejeune, N. C. An additional copy is attached for you to forward to Mr. Rick Shiver, Division of Environmental Management, 7225 Wrightsville Avenue, Wilmington, N.C. 28403-3696.

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. Gonzalez, of Specialized Marine, Inc., and the United States 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

MONTHLY MONITORING REPORT

SITE: JP-5 FUEL OIL RECOVERY, CAMP LEJEUNE, NC

RC&A PROJECT #: 8636

DATE OF LAST REPORT: 3/30/87

MONITORING INTERVAL: MONTHLY

1) WATER TABLE SURFACE:

OBSERVATIONS: Interpolation of our latest data shows a ground water surface relatively the same as that observed in previous visits to this site. As shown on Figure 1, a well-defined cone of depression was noted around the recovery wells.

2) CONTAMINATION FLUME:

A) OBSERVATIONS: Compared to the figures in our last report, our latest observations show that free floating product levels have increased in recovery wells R-1, R-2, R-3 and monitoring well W-5. Free product levels found in monitoring wells W-4 and W-10 have remained relatively unchanged in the past month.

B) DISCUSSION: Continued successful operation of the recovery wells R-1, R-2 and R-3 has apparently accumulated increased levels of free floating product.

3) RECOVERY PROGRESS:

OBSERVATIONS: During this past month, the recovery system has been functioning properly. Although no additional recovered JP-5 has been removed from the separator since our last report, successful recovery of free floating product has continued.

CALCULATED BY: SAT  
DATE: 4/29/87

CHECKED BY: RGC  
DATE: 5/1/87

Sheet 1 of 2

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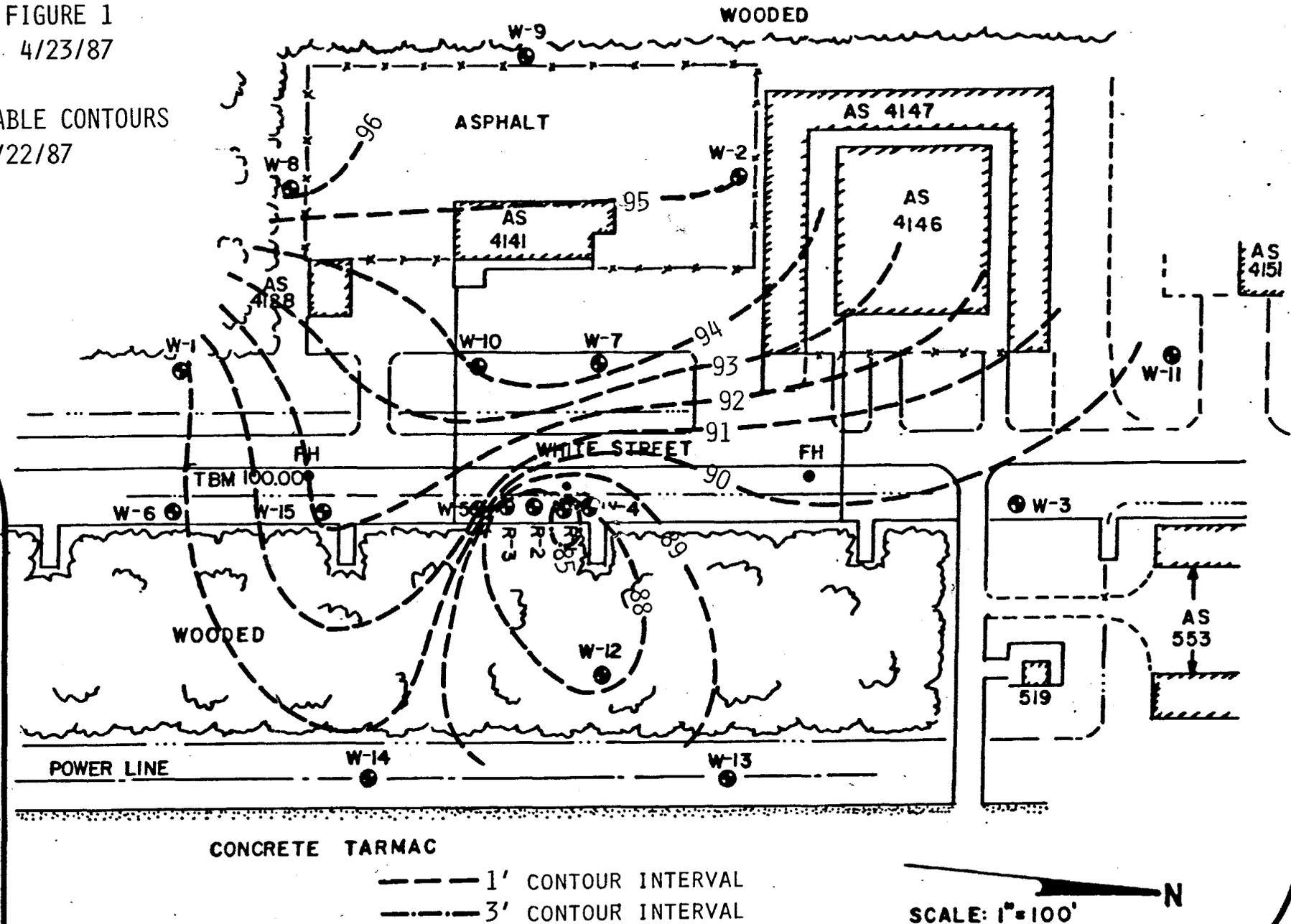
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# JP-5 CLEAN-UP MCAS

FIGURE 1  
4/23/87

WATER TABLE CONTOURS  
AS OF 4/22/87



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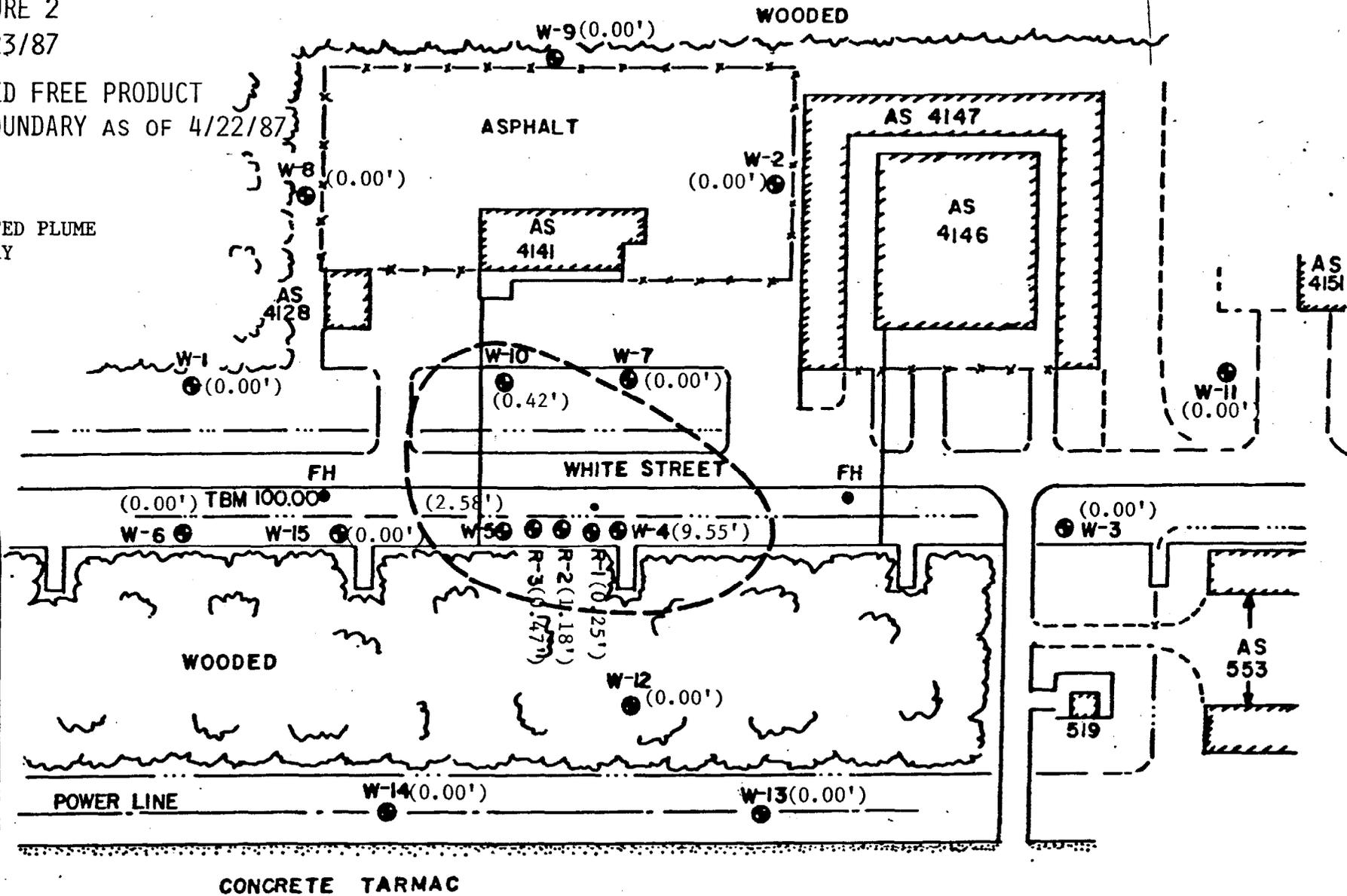
# JP-5 CLEAN-UP MCAS

FIGURE 2

4/23/87

ESTIMATED FREE PRODUCT  
PLUME BOUNDARY AS OF 4/22/87

ESTIMATED PLUME  
BOUNDARY



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SCALE: 1" = 100' N

JOB: M.C.A.S New River, JP-5 COMPUTED BY: SAT DATE: 4/29/87

DESCRIPTION: Monthly Monitoring CHECKED BY: RGC DATE: 4/29/87

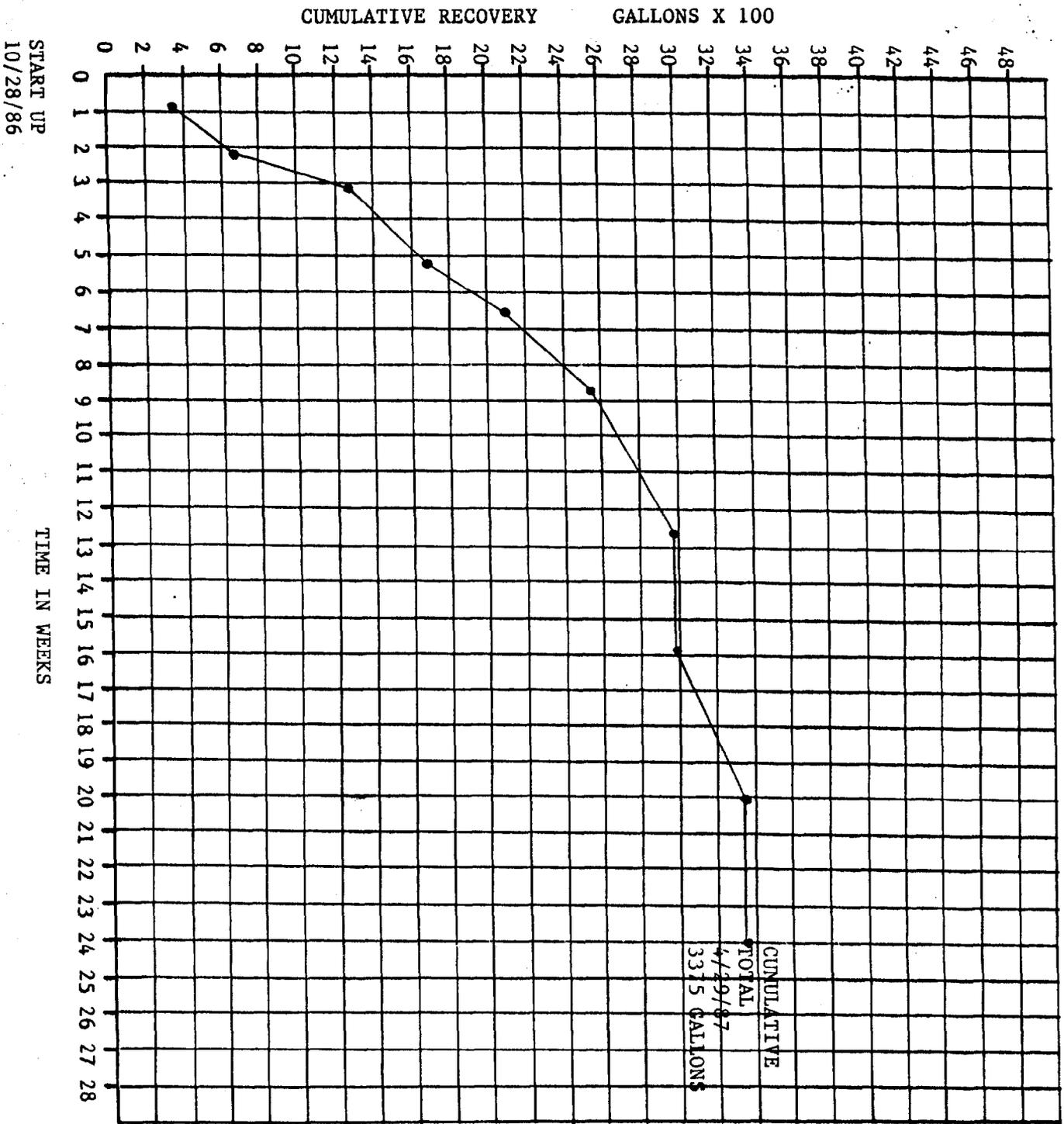


FIGURE 3  
CUMULATIVE RECOVERY

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AND HYDROGEOLOGISTS

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JOB: JP-5, MCAS, Camp Lejeune      COMPUTED BY: SAT      DATE: 5/1/87  
DESCRIPTION: Monthly Monitoring      CHECKED BY: RGC      DATE: 5/1/87

DATA REDUCTION OF MEASUREMENTS TAKEN 4/22/87

| WELL # | WATER TABLE ELEVATION* | PRODUCT THICKNESS (IN FEET) |
|--------|------------------------|-----------------------------|
| R-1    | 84.87                  | 0.25'                       |
| R-2    | 85.36                  | 1.18'                       |
| R-3    | 85.42                  | 0.47'                       |
| W-1    | 89.88                  | -                           |
| W-2    | 95.06                  | -                           |
| W-3    | 89.89                  | -                           |
| W-4    | 88.95                  | 9.55'                       |
| W-5    | 91.26                  | 2.58'                       |
| W-6    | 89.89                  | -                           |
| W-7    | 94.35                  | -                           |
| W-8    | 96.09                  | -                           |
| W-9    | 95.76                  | -                           |
| W-10   | 94.24                  | 0.42'                       |
| W-11   | 89.68                  | -                           |
| W-12   | 87.78                  | -                           |
| W-13   | 89.58                  | -                           |
| W-14   | 89.50                  | -                           |
| W-15   | 92.19                  | -                           |

\* Adjusted for Specific Gravity Influence of Floating Product.

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