

1500 So. Union Avenue
 Bakersfield, California 93307
 Phone: (805) 835-7700
 FAX: (805) 835-7717

August 26, 1993

Scott Seery
 Alameda County Department
 of Environmental Health
 80 Swan Way, Rm. 200
 Oakland, CA 94621

Re: Scotsman Corp., 6055 Scarlett Ct. Dublin
 Site Closure Report Addendum

Dear Mr. Seery:

This letter is an addendum to the Site Closure Report, July 20, 1993 for the Scotsman Corporation facility, 6055 Scarlett Ct., Dublin. On August 19, 1993, RESNA collected an additional series of groundwater samples from the wells nearest the former groundwater plume location (Plate 1). These samples were collected for the purpose of verifying the completeness of the groundwater remediation at the site. Table 1 shows the concentrations reported for these samples along with the results from May and July 1993. All samples were analyzed for BTEX and TPH (gasoline). The analytical report is enclosed.

TABLE 1
Analytical Results for May 27, July 2, August 19, 1993
(ppb)

DATE	MW-5	MW-7	RW-1	RW-3
5/27/93				
B	ND	ND	ND	0.6
T	ND	ND	ND	ND
E	0.5	0.9	ND	ND
X	ND	ND	ND	ND
TPH (gasoline)	ND	ND	ND	ND
7/2/93				
B	ND	ND	ND	ND
T	ND	ND	ND	ND
E	ND	ND	1.6	2.8
X	ND	ND	ND	ND
TPH (gasoline)	ND	ND	ND	83
8/19/93				
B	ND	ND	ND	ND
T	ND	ND	ND	ND
E	ND	ND	ND	0.65
X	ND	ND	ND	ND
TPH (gasoline)	ND	ND	ND	ND

ND = No Detection

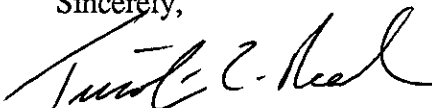
Scott Seery
Alameda County Department
of Environmental Health
August 26, 1993
Page Two

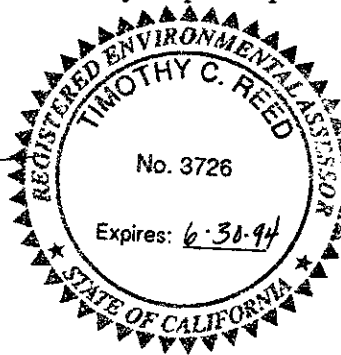
Depth to groundwater measurements were recorded on August 19, 1993 and calculated to Mean Sea Level. The groundwater elevation contour map presented on Plate 2 shows that the flow direction continues to trend to the southwest with a gradient of 0.30 feet per 100 feet.


As shown in the analytical results presented in Table 1, the groundwater at the site continues to show BTEX concentrations below California Drinking Water Standards and in most cases, below detection. TPH concentrations since May 1993 have been below 100 ppb. This data supports the conclusions made in the July 20, 1993 Site Closure Report stating that the plume has been remediated past the point to where it is no longer considered a threat to the beneficial use of the groundwater.

Due to the fact that any delay in closing the site will impose an extreme economic impact on the disposition of the property, RESNA recommends that steps be taken immediately by Alameda County to have the site removed from the Regional Water Quality Control Board list of contaminated sites. If I can be of any help in expediting the closure of the site please call me at (805) 835-7700.

Sincerely,


Timothy C. Reed REA #3726
Project Geologist

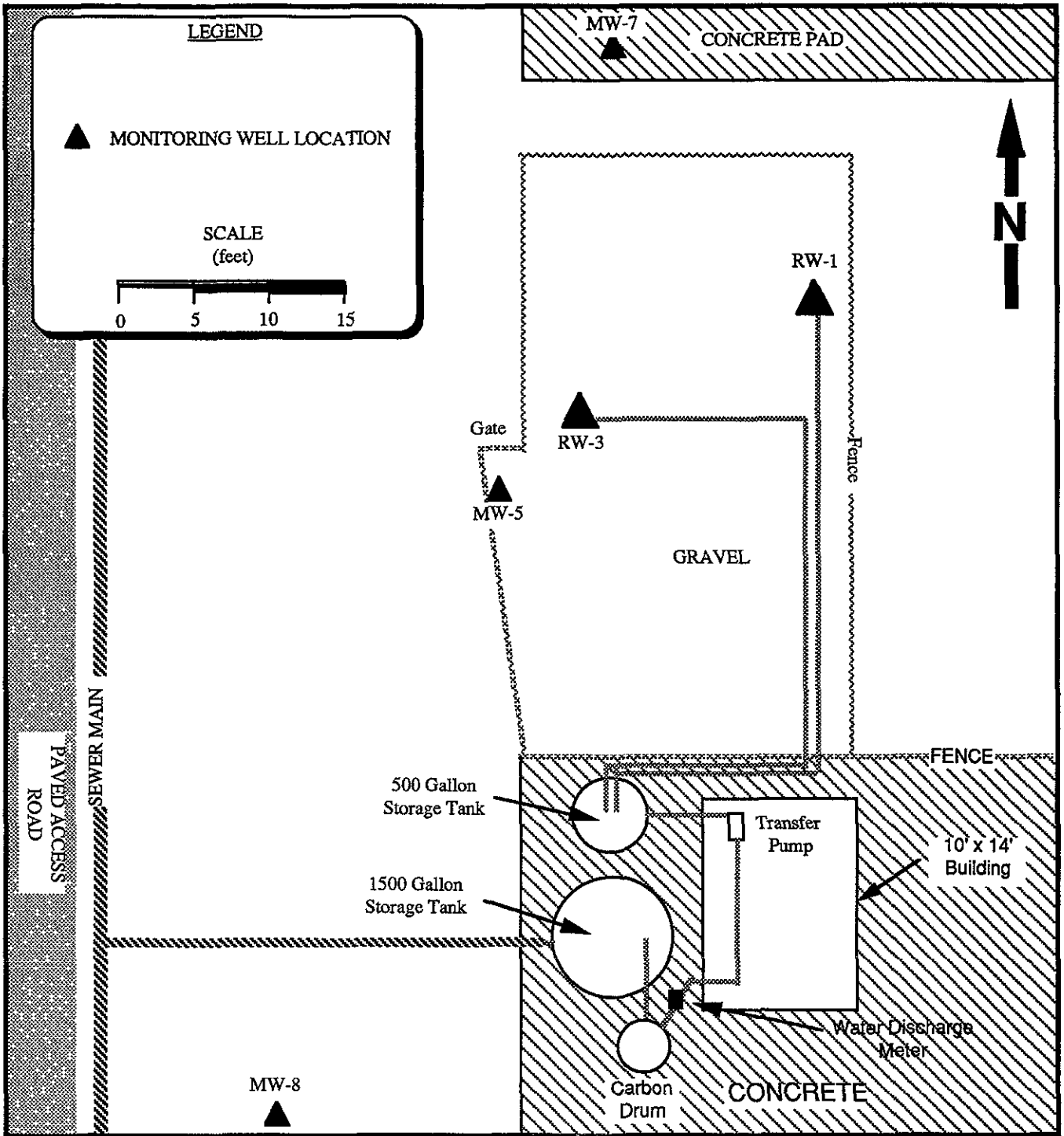



Rex J. Young RG #720
State Registered Geologist

Encl. Plot Plan
Groundwater Contour Map
Laboratory Analysis

cc: Tom Peacock, Alameda County Health Agency
Rich Hiatt, RWQCB
Pete Fagrell, First Interstate Bank
Tomilee Gill, First Interstate Bank





RESNA
Working to Restore Nature

Project Number: B7172.42

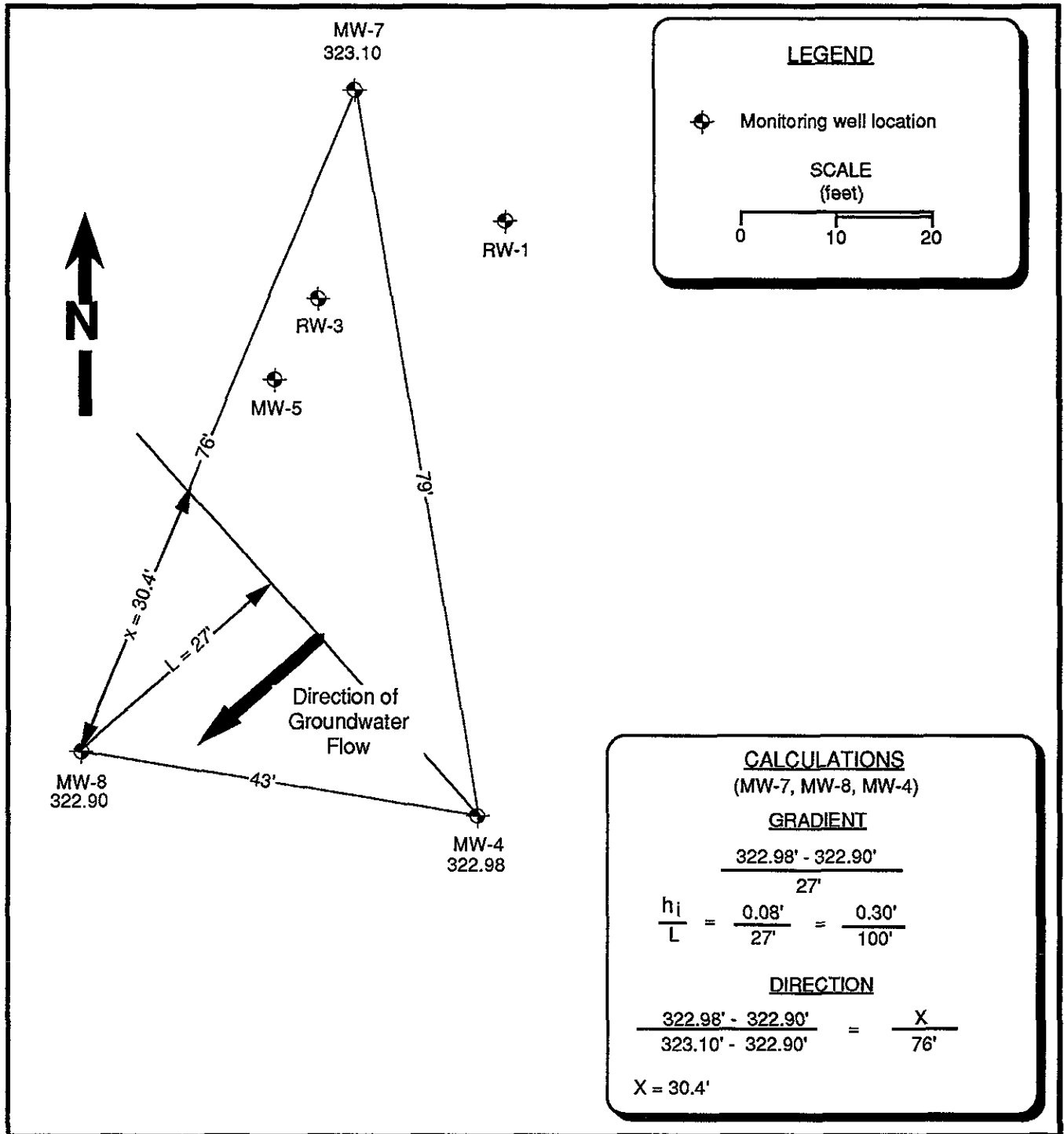
6-4-91

SCOTSMAN CORP.
DUBLIN, CA.


**DETAIL OF WELLS AND
REMEDATION EQUIPMENT
LOCATIONS**

PLATE

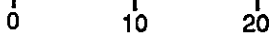
1



LEGEND

 Monitoring well location

SCALE
 (feet)



CALCULATIONS
(MW-7, MW-8, MW-4)


GRADIENT

$$\frac{h_i}{L} = \frac{322.98' - 322.90'}{27'} = \frac{0.08'}{27'} = \frac{0.30'}{100'}$$

DIRECTION

$$\frac{322.98' - 322.90'}{323.10' - 322.90'} = \frac{X}{76'}$$

X = 30.4'


RESNA
Working to Restore Nature

Project Number: B7172.42

8-26-93

SCOTSMAN CORP.
DUBLIN, CA.

SHALLOW GROUNDWATER
GRADIENT MAP
(August 19, 1993)

PLATE

2



Purgeable Aromatics

RESNA
1500 S. UNION AVENUE
BAKERSFIELD, CA 93307
Attn.: TIM REED 805-835-7700

Date of
Report: 08/24/93
Lab #: 93-08455-1

Sample Description: B7172.42 SCOTSMAN: MW-5 (WATER) 08-29-93 @ 2:50PM SAMPLED BY MARK G. VORIS

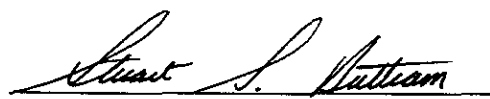
TEST METHOD: TPH by D.O.H.S. / L.U.F.T. Manual Method - Modified EPA 8015
Individual constituents by EPA Method 5030/8020.

Sample Matrix: Water

Date Sample Collected: 08/19/93
Date Sample Received @ Lab: 08/20/93
Date Analysis Completed: 08/23/93

<u>Constituents</u>	<u>Analysis Results</u>	<u>Reporting Units</u>	<u>Minimum Reporting Level</u>
Benzene	None Detected	µg/L	0.5
Toluene	None Detected	µg/L	0.5
Ethyl Benzene	None Detected	µg/L	0.5
Total Xylenes	None Detected	µg/L	1.
Total Petroleum Hydrocarbons (gas)	None Detected	µg/L	50.

California D.O.H.S. Cert. #1186


Department Supervisor



Purgeable Aromatics

RESNA
1500 S. UNION AVENUE
BAKERSFIELD, CA 93307
Attn.: TIM REED 805-835-7700

Date of
Report: 08/24/93
Lab #: 93-08455-2

Sample Description: B7172.42 SCOTSMAN: MW-7 (WATER) 08-29-93 @ 3:15PM SAMPLED BY MARK G. VORIS

TEST METHOD: TPH by D.O.H.S. / L.U.F.T. Manual Method - Modified EPA 8015
Individual constituents by EPA Method 5030/8020.

Sample Matrix: Water

Date Sample Collected: 08/19/93
Date Sample Received @ Lab: 08/20/93
Date Analysis Completed: 08/23/93

<u>Constituents</u>	<u>Analysis Results</u>	<u>Reporting Units</u>	<u>Minimum Reporting Level</u>
Benzene	None Detected	µg/L	0.5
Toluene	None Detected	µg/L	0.5
Ethyl Benzene	None Detected	µg/L	0.5
Total Xylenes	None Detected	µg/L	1.
Total Petroleum Hydrocarbons (gas)	None Detected	µg/L	50.

California D.O.H.S. Cert. #1186

Department Supervisor



Purgeable Aromatics

RESNA
1500 S. UNION AVENUE
BAKERSFIELD, CA 93307
Attn.: TIM REED 805-835-7700

Date of
Report: 08/24/93
Lab #: 93-08455-3

Sample Description: B7172.42 SCOTSMAN: RW-1 (WATER) 08-29-93 @ 3:20PM SAMPLED BY MARK G. VORIS

TEST METHOD: TPH by D.O.H.S. / L.U.F.T. Manual Method - Modified EPA 8015
Individual constituents by EPA Method 5030/8020.

Sample Matrix: Water

Date Sample Collected: 08/19/93
Date Sample Received @ Lab: 08/20/93
Date Analysis Completed: 08/23/93

<u>Constituents</u>	<u>Analysis Results</u>	<u>Reporting Units</u>	<u>Minimum Reporting Level</u>
Benzene	None Detected	µg/L	0.5
Toluene	None Detected	µg/L	0.5
Ethyl Benzene	None Detected	µg/L	0.5
Total Xylenes	None Detected	µg/L	1.
Total Petroleum Hydrocarbons (gas)	None Detected	µg/L	50.

California D.O.H.S. Cert. #1186

Stuart S. Nuttman
Department Supervisor



Purgeable Aromatics

RESNA
1500 S. UNION AVENUE
BAKERSFIELD, CA 93307
Attn.: TIM REED 805-835-7700

Date of
Report: 08/24/93
Lab #: 93-08455-4

Sample Description: B7172.42 SCOTSMAN: RW-3 (WATER) 08-29-93 @ 2:50PM SAMPLED BY MARK G. VORIS

TEST METHOD: TPH by D.O.H.S. / L.U.F.T. Manual Method - Modified EPA 8015
Individual constituents by EPA Method 5030/8020.

Sample Matrix: Water

Date Sample Collected: 08/19/93
Date Sample Received @ Lab: 08/20/93
Date Analysis Completed: 08/23/93

<u>Constituents</u>	<u>Analysis Results</u>	<u>Reporting Units</u>	<u>Minimum Reporting Level</u>
Benzene	None Detected	µg/L	0.5
Toluene	None Detected	µg/L	0.5
Ethyl Benzene	0.65	µg/L	0.5
Total Xylenes	None Detected	µg/L	1.
Total Petroleum Hydrocarbons (gas)	None Detected	µg/L	50.

California D.O.H.S. Cert. #1186


Department Supervisor



Purgeable Aromatics

RESNA
1500 S. UNION AVENUE
BAKERSFIELD, CA 93307
Attn.: TIM REED 805-835-7700

Date of
Report: 08/24/93
Lab #: 93-08455-TB

Sample Description: B7172.42 SCOTSMAN: TRIP BLANK

TEST METHOD: TPH by D.O.H.S. / L.U.F.T. Manual Method - Modified EPA 8015
Individual constituents by EPA Method 5030/8020.

Sample Matrix: Water

Date Sample Collected: Date Sample Received @ Lab: Date Analysis Completed:
08/20/93 08/23/93

<u>Constituents</u>	<u>Analysis Results</u>	<u>Reporting Units</u>	<u>Minimum Reporting Level</u>
Benzene	None Detected	µg/L	0.5
Toluene	None Detected	µg/L	0.5
Ethyl Benzene	None Detected	µg/L	0.5
Total Xylenes	None Detected	µg/L	1.
Total Petroleum Hydrocarbons (gas)	None Detected	µg/L	50.

California D.O.H.S. Cert. #1186


Department Supervisor

PROJECT NO. <i>B7172.42</i>		PROJECT NAME/SITE <i>SCOTSMAN</i>						ANALYSIS REQUESTED												P.O. # <i>A7655</i>																					
SAMPLERS (SIGN) <i>Mark G. Voris</i>							NO. CONTAINERS	SAMPLE TYPE	/												REMARKS																				
SAMPLERS (PRINT) <i>MARK G. VORIS</i>									/																																
SAMPLE IDENTIFICATION	DATE	TIME	COMP	GRAB	PRES. USED	ICED			BTEX (602/8020)	TPHg (8015)	TPHd (8015)	TOG 418 1/5520	601/8010	624/8240	625/8270																										
<i>-1 MW-5</i>	<i>8-19-93</i>	<i>2:50</i>		X	<i>HCl</i>	Y	<i>2</i>	<i>W</i>	X	X																															
<i>-2 MW-7</i>	<i> </i>	<i>3:15</i>		X			<i>2</i>	<i> </i>	<i> </i>	<i> </i>																															
<i>-3 RW-1</i>	<i> </i>	<i>3:20</i>		X			<i>2</i>	<i> </i>	<i> </i>	<i> </i>																															
<i>-4 RW-3</i>	<i> </i>	<i>2:50</i>		X			<i>2</i>	<i> </i>	<i> </i>	<i> </i>																															
<i>-10 TRAVEL BLANK</i>							<i>1</i>	<i> </i>	<i> </i>	<i> </i>																															
RELINQUISHED BY: <i>Mark G. Voris</i>		DATE <i>8/20/93</i>	TIME <i>4:17</i>	RECEIVED BY:		LABORATORY: <i>BC LABS</i>			PLEASE SEND RESULTS TO <i>RESNA - BAKERSFIELD</i>																																
RELINQUISHED BY:		DATE	TIME	RECEIVED BY:		REQUESTED TURNAROUND TIME: <i>1-WK 8-27-93 AM</i>			PROJECT MANAGER: <i>TIM REED</i>																																
RELINQUISHED BY:		DATE <i>8/20/93</i>	TIME <i>4:17 pm</i>	<i>Joann M. [unclear]</i>		<i>Cold & wet</i>																																			