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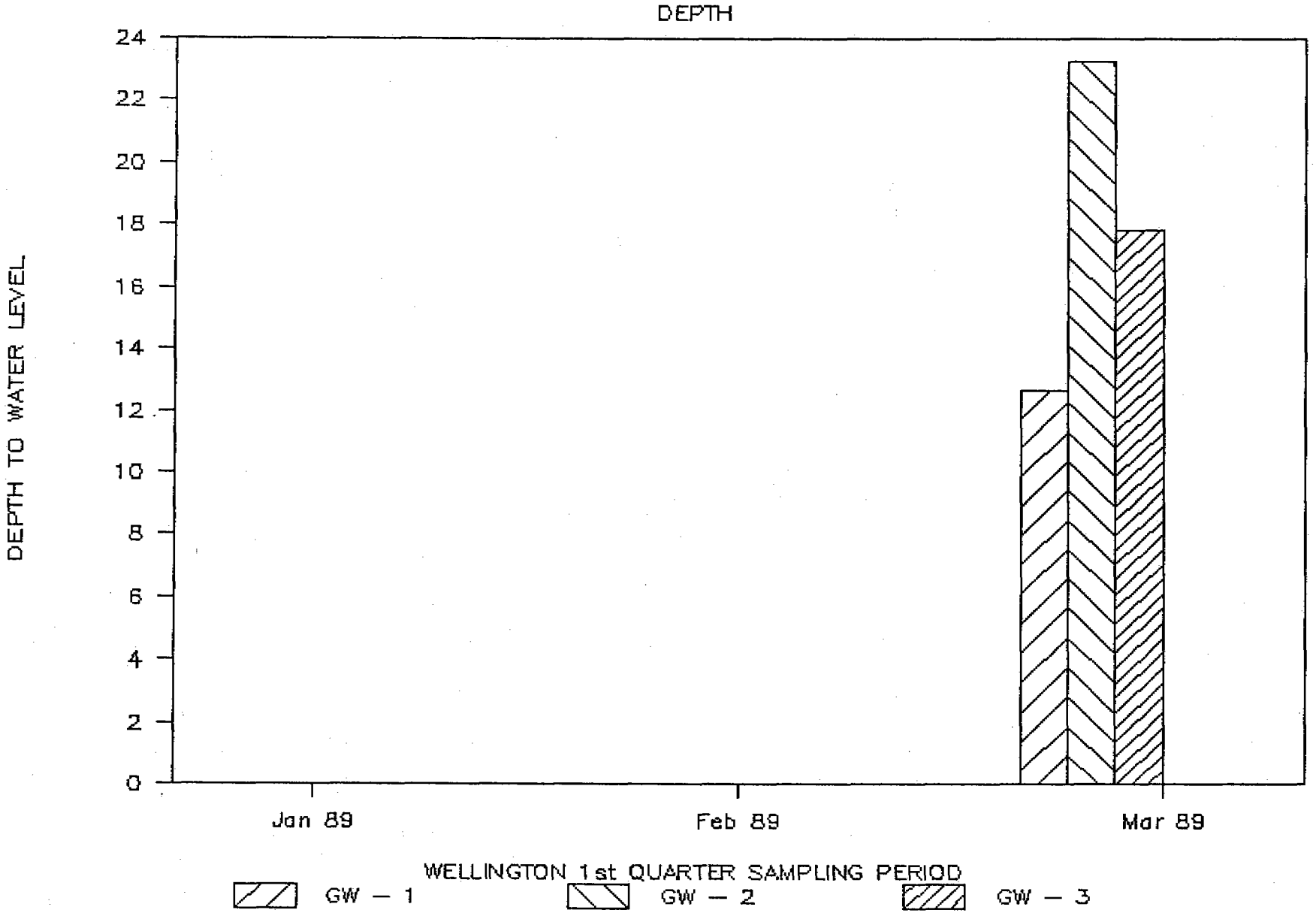

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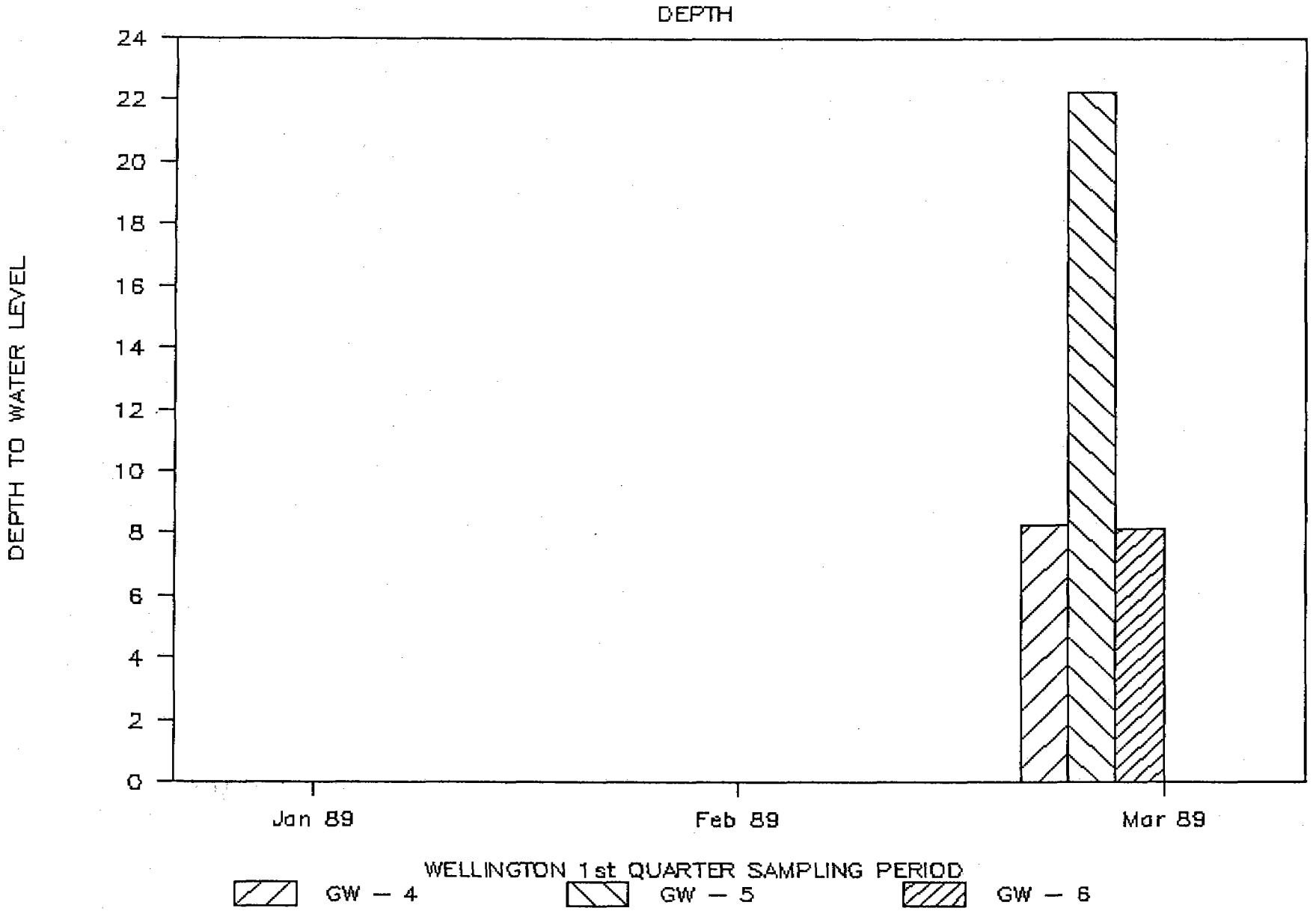

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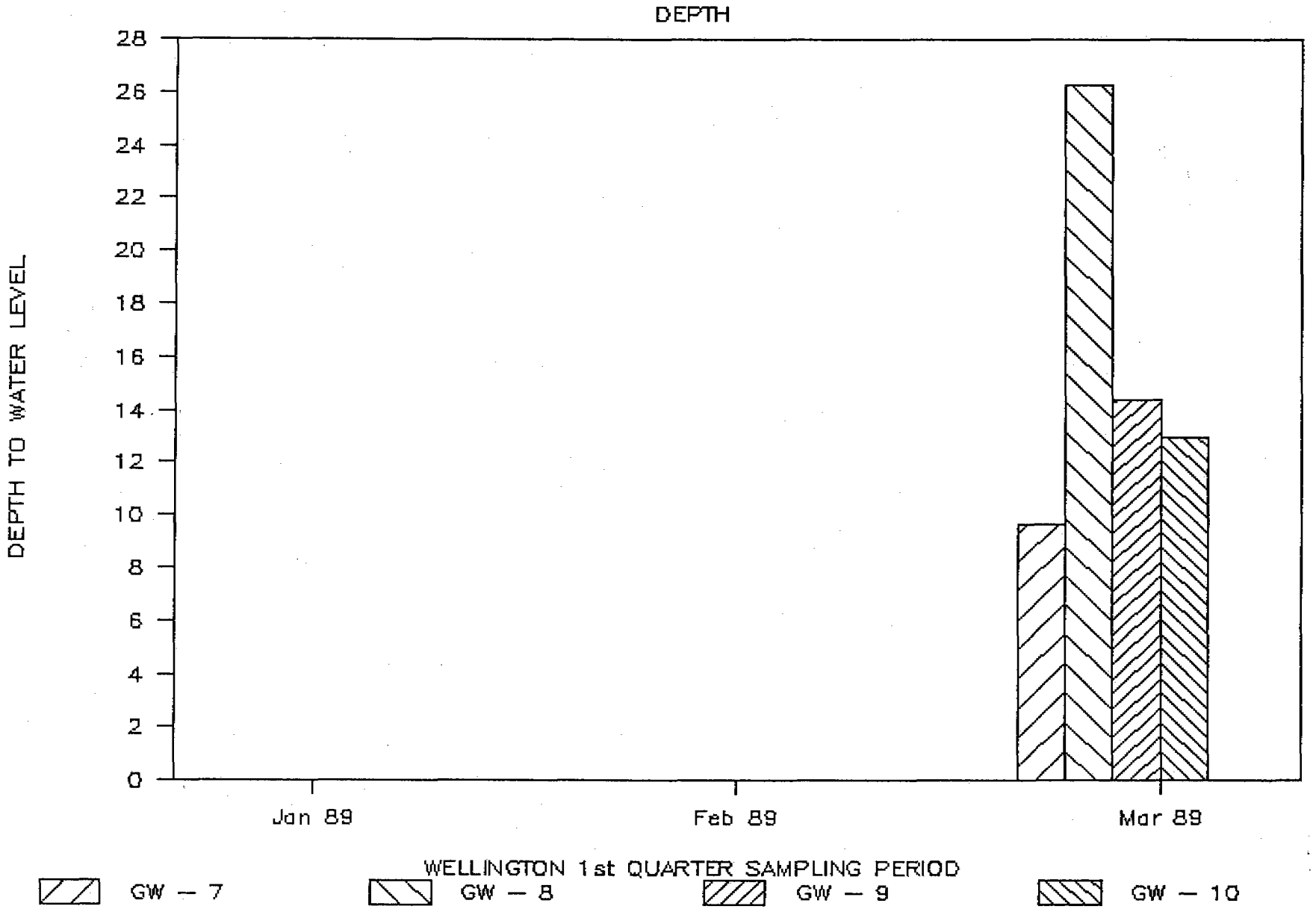

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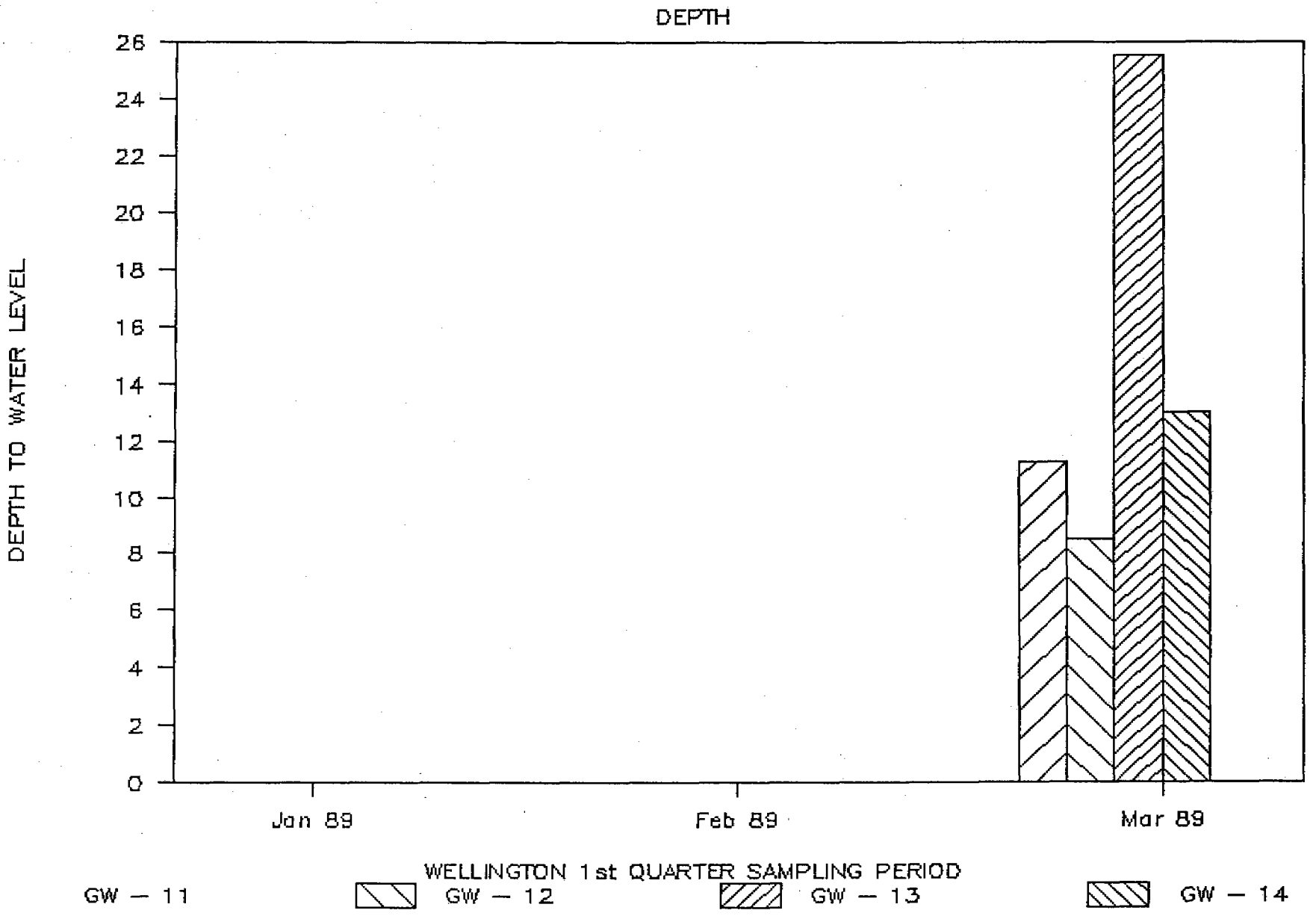

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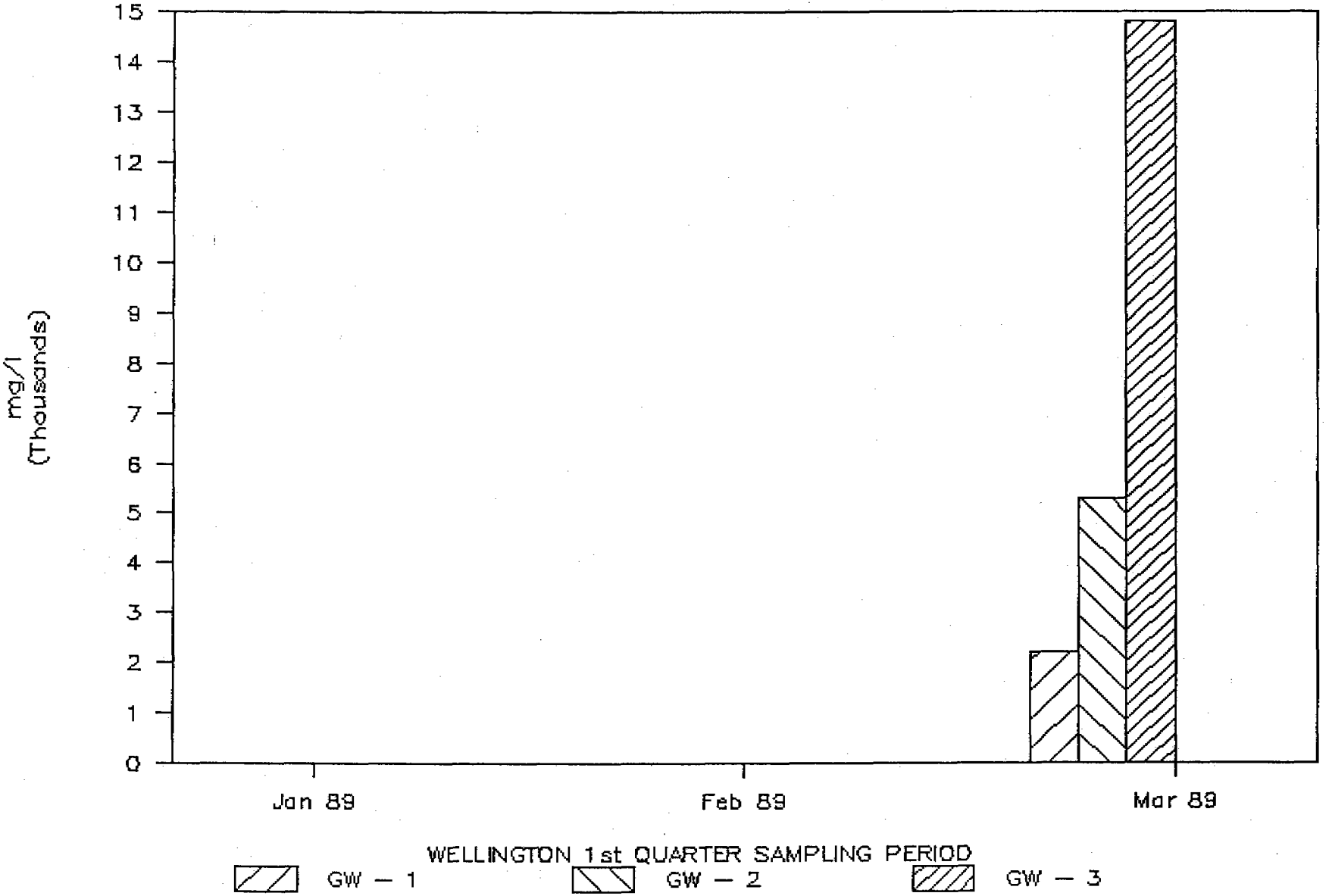
HARDNESS



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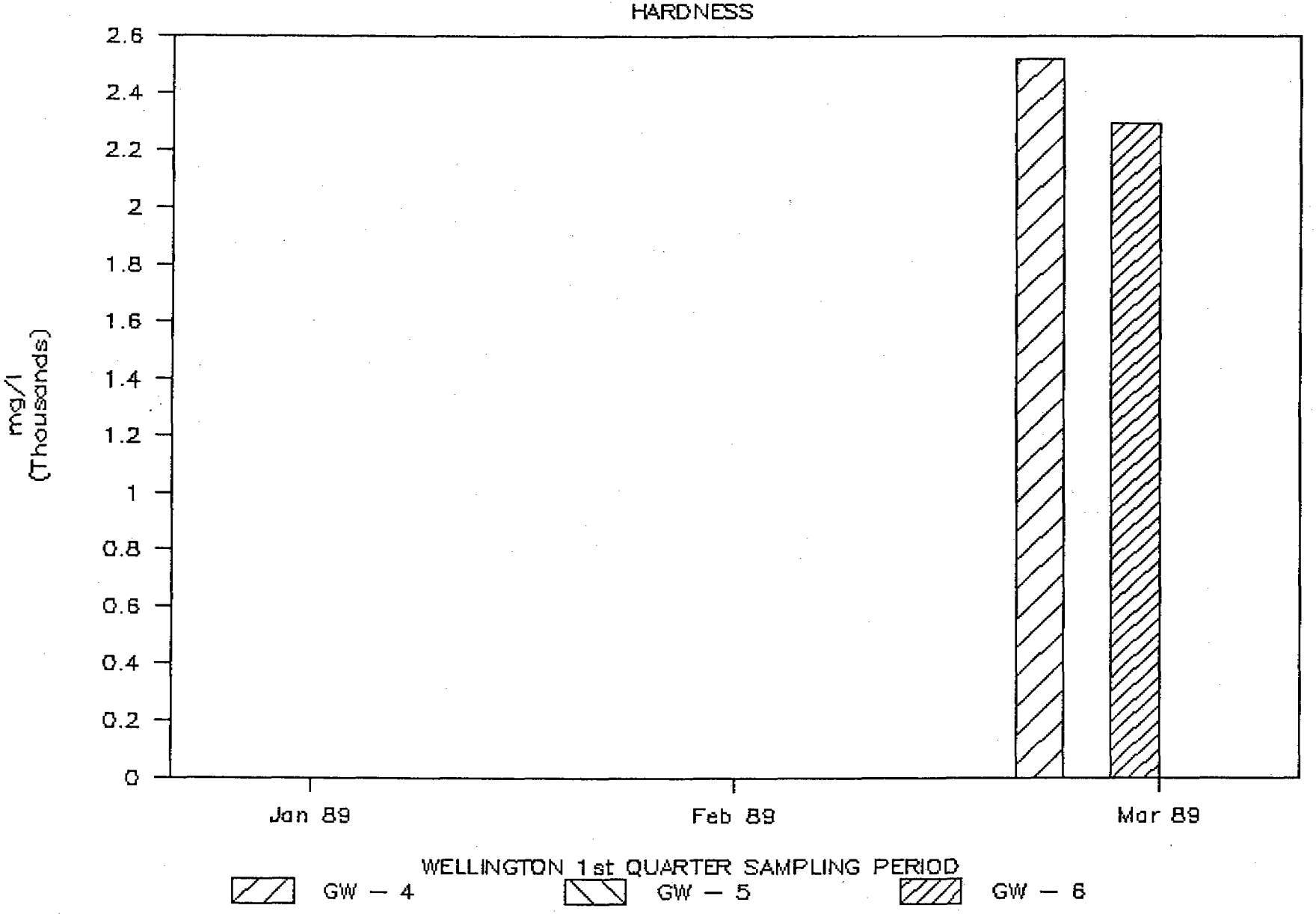

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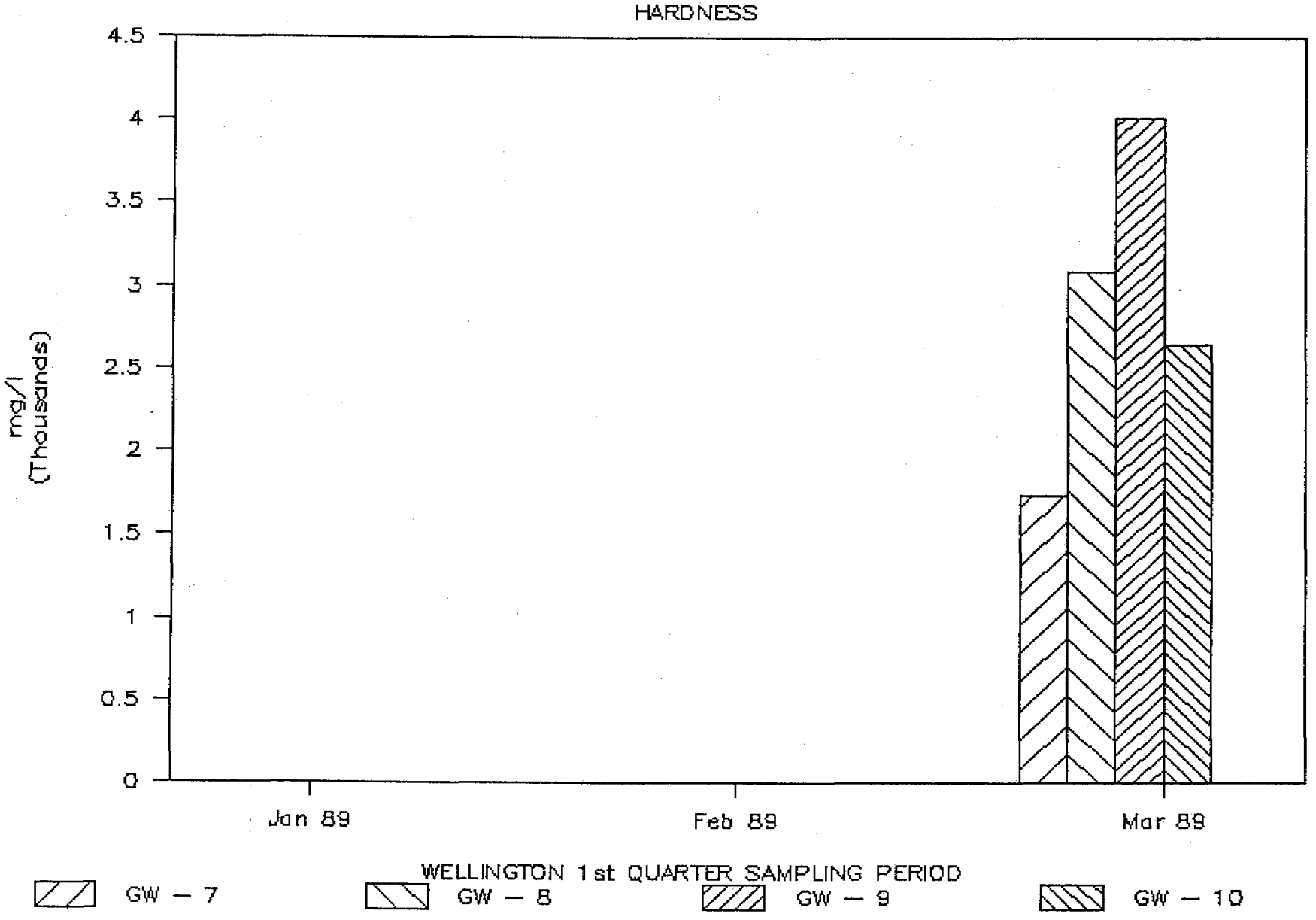

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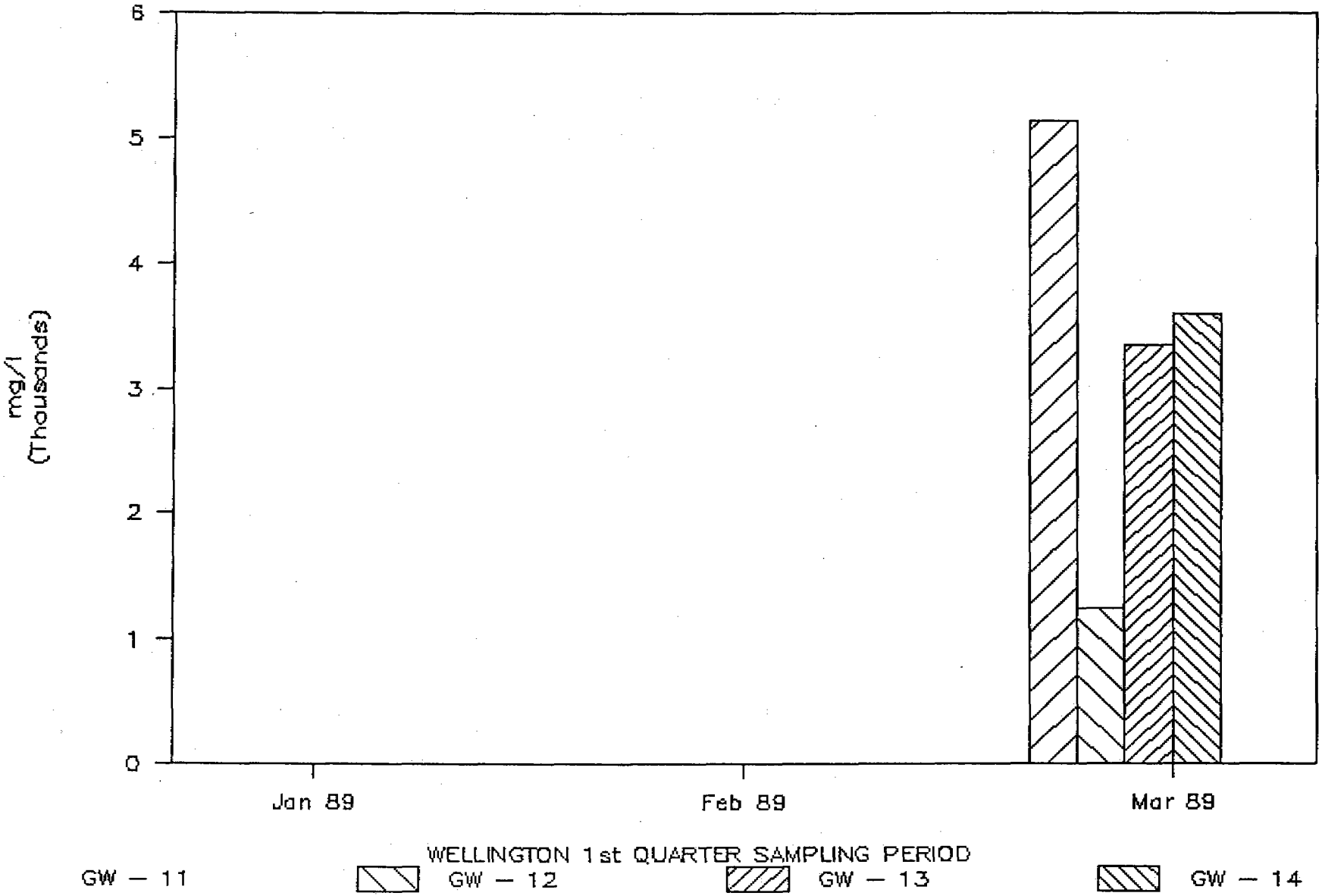
HARDNESS



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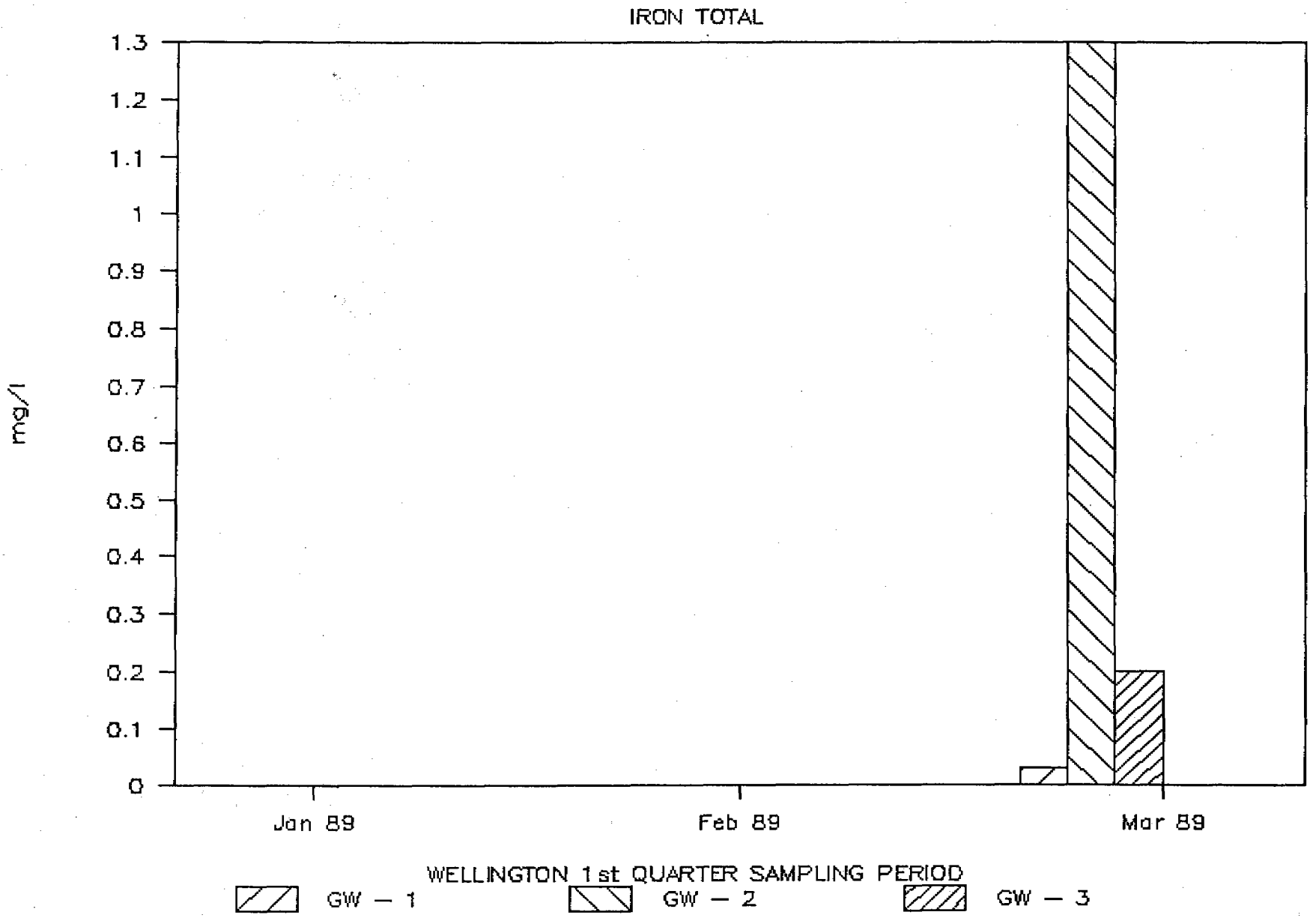

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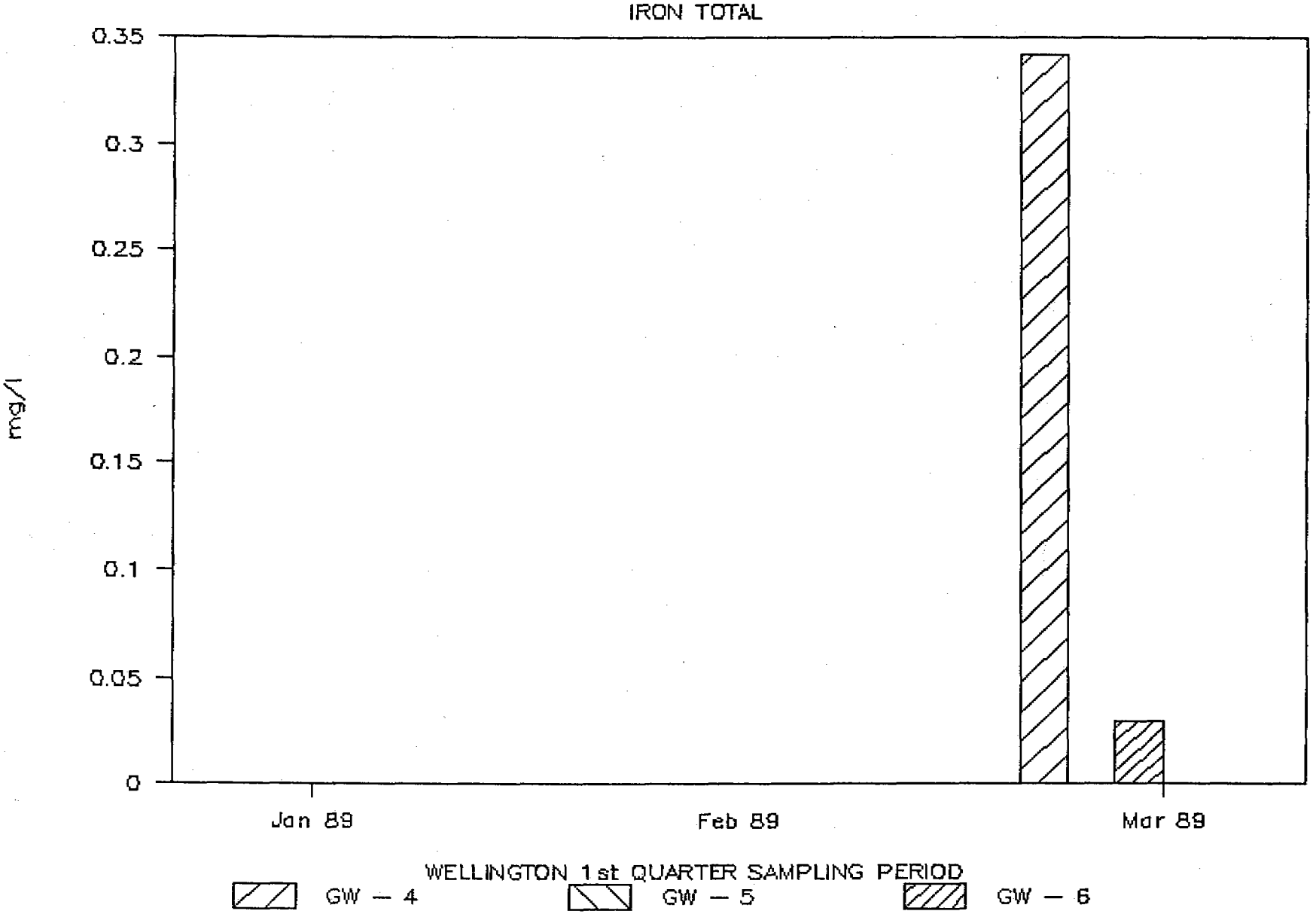

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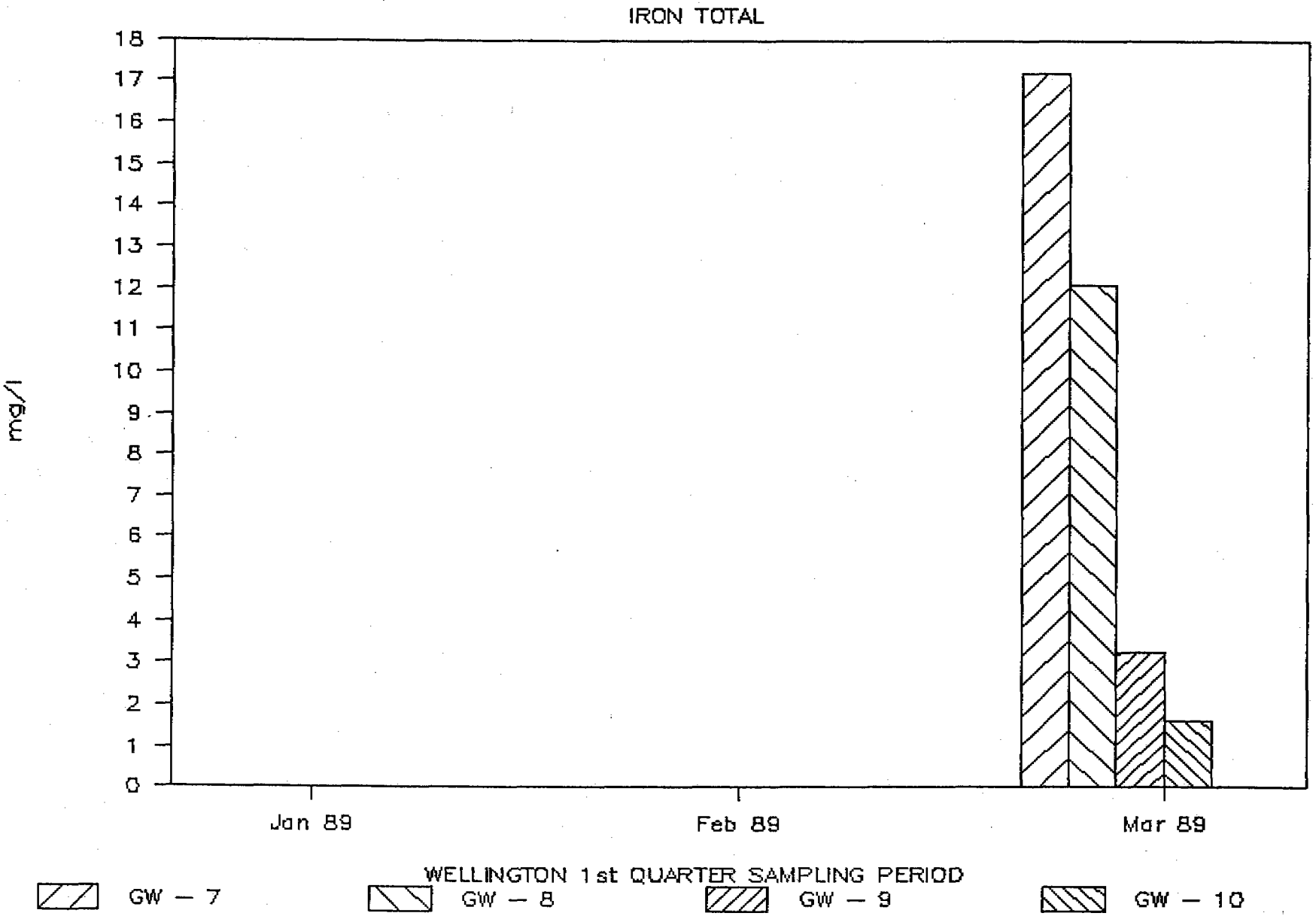
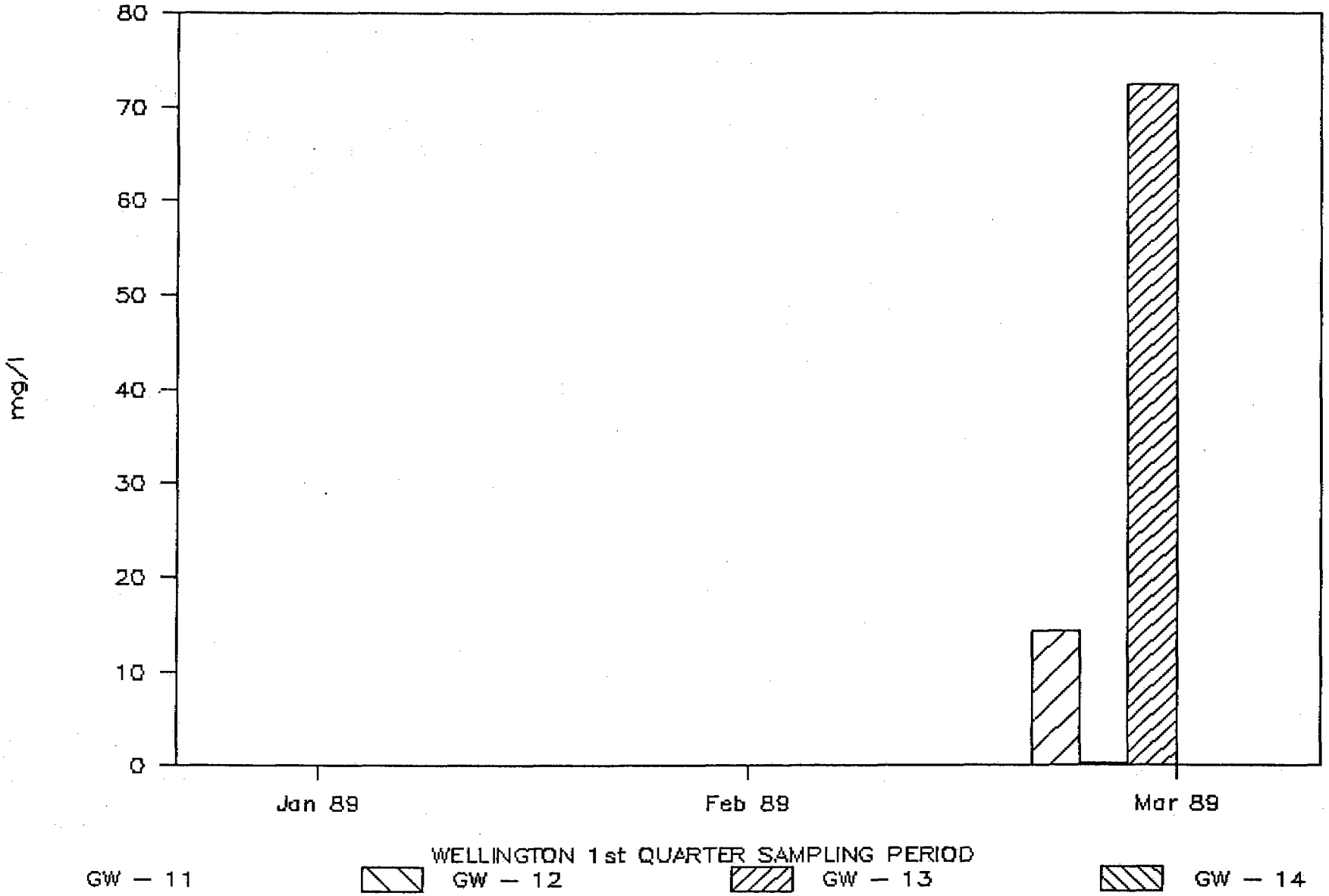


KAISER COAL CORPORATION

IRON TOTAL



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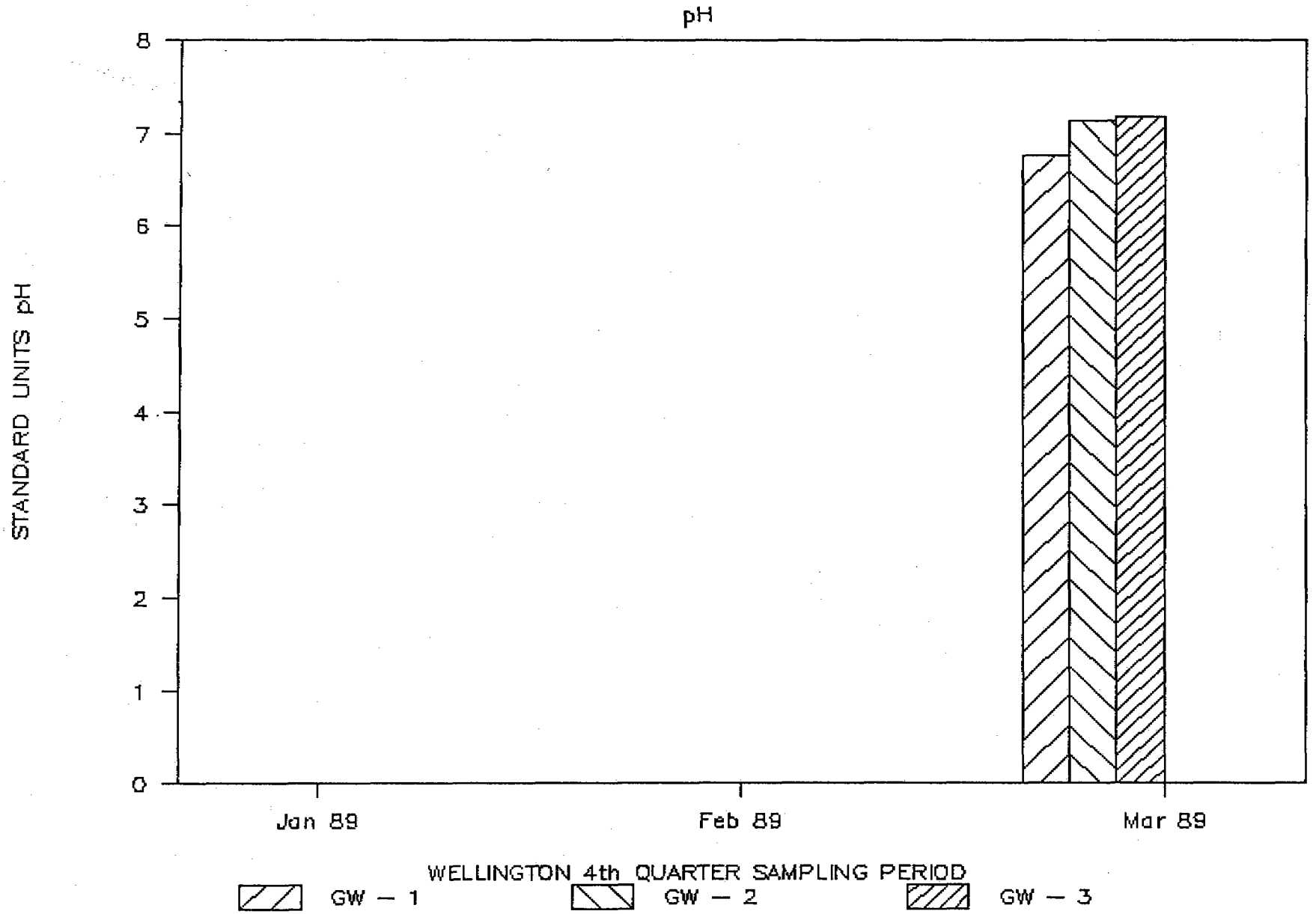

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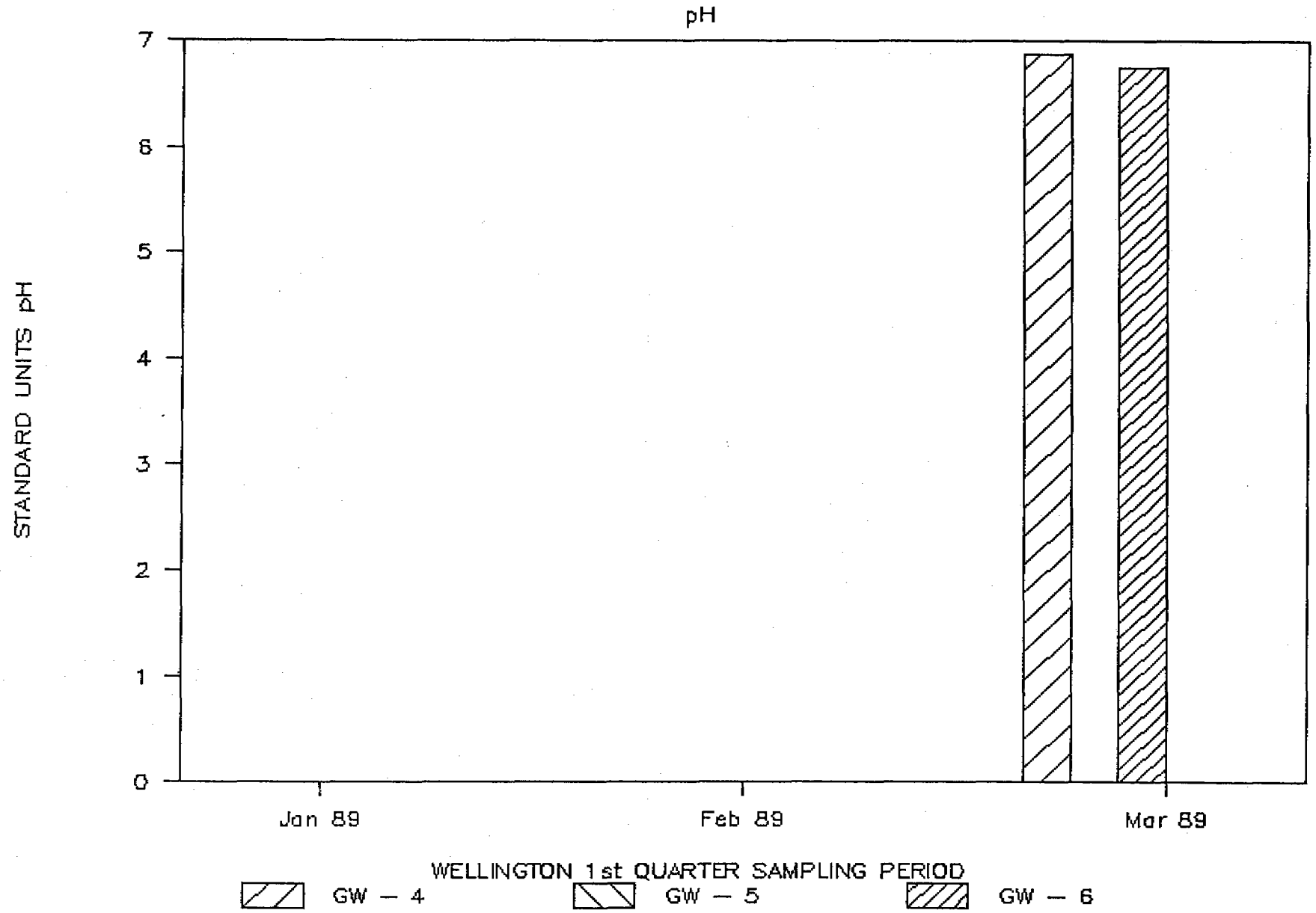

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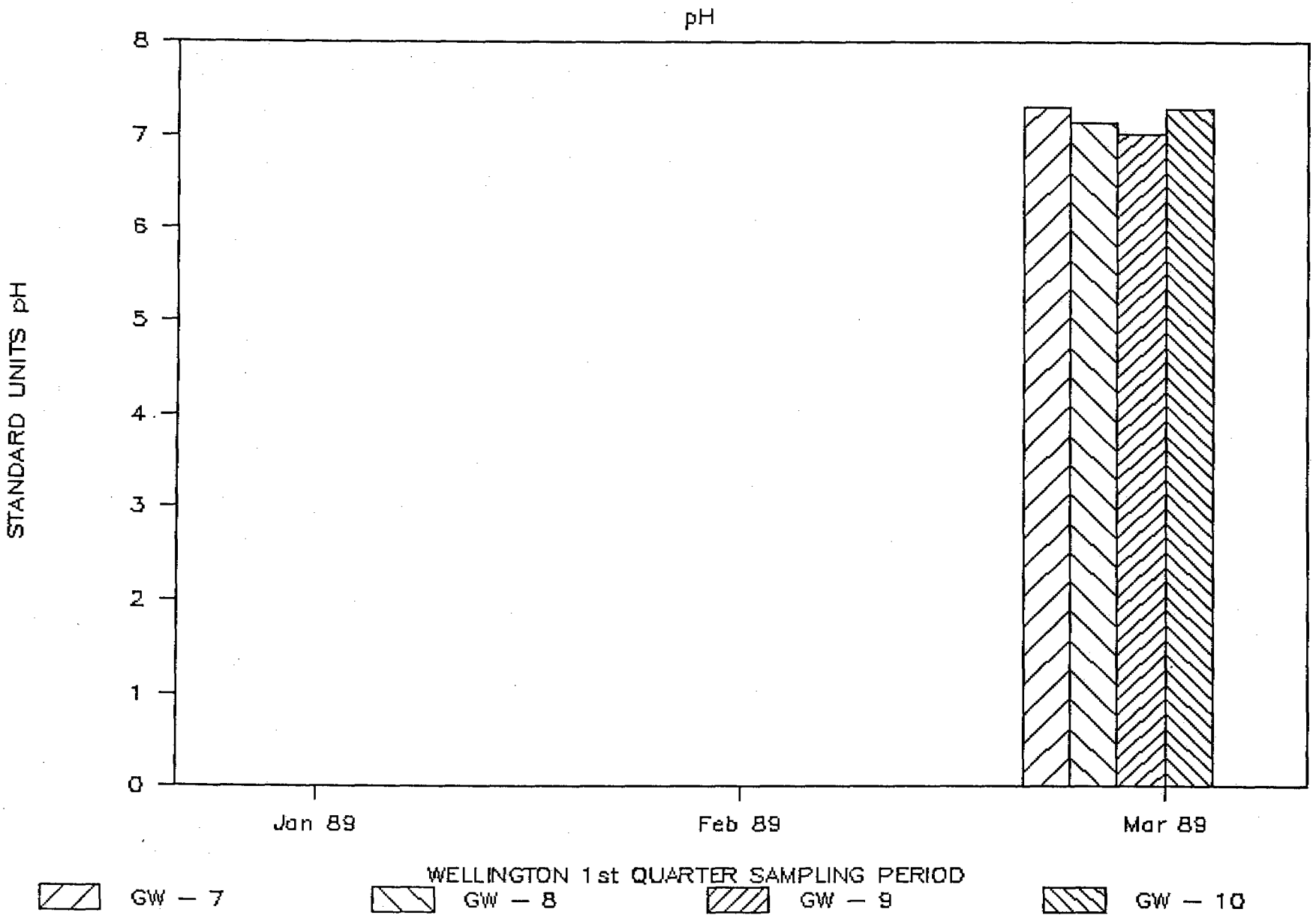

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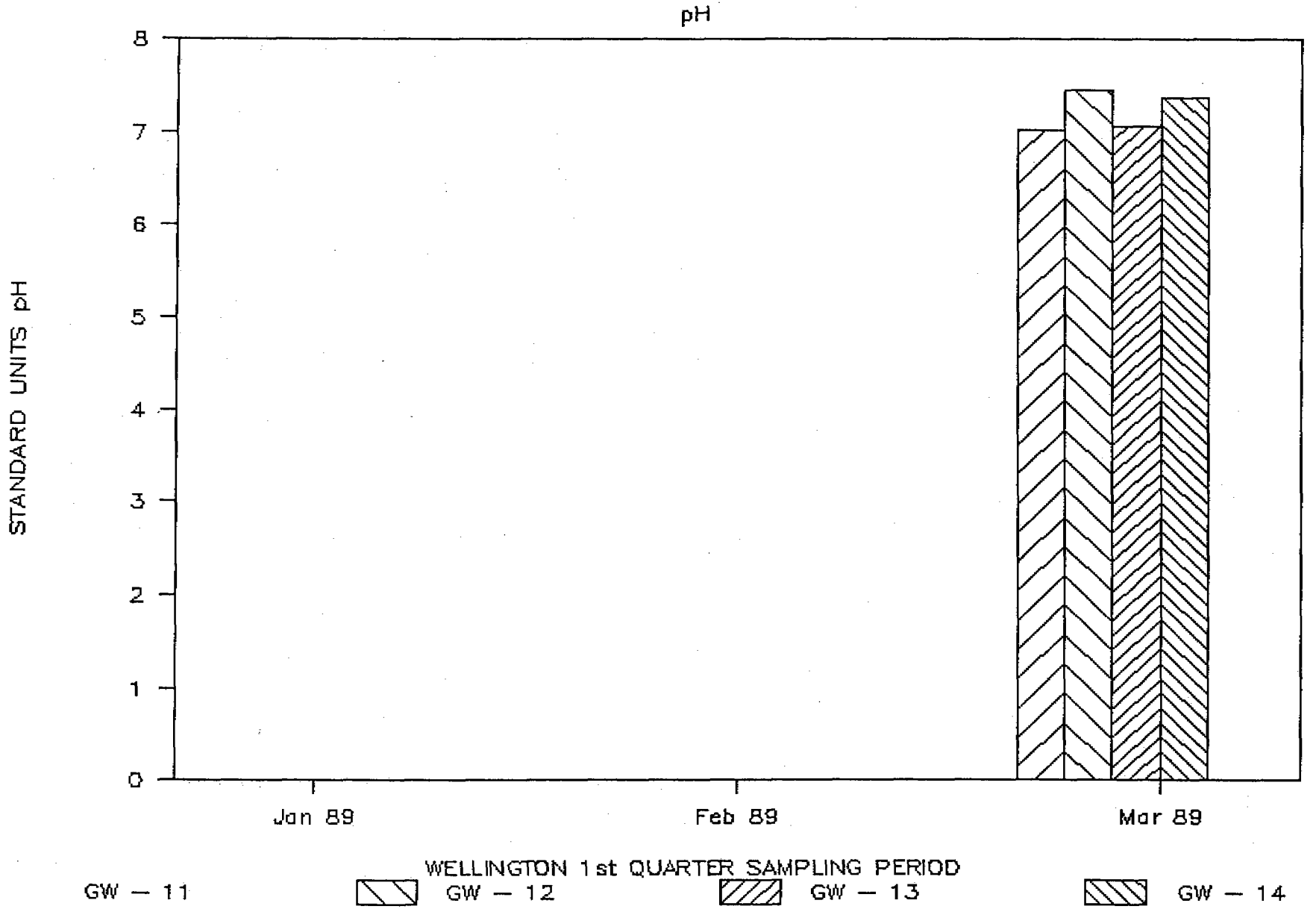

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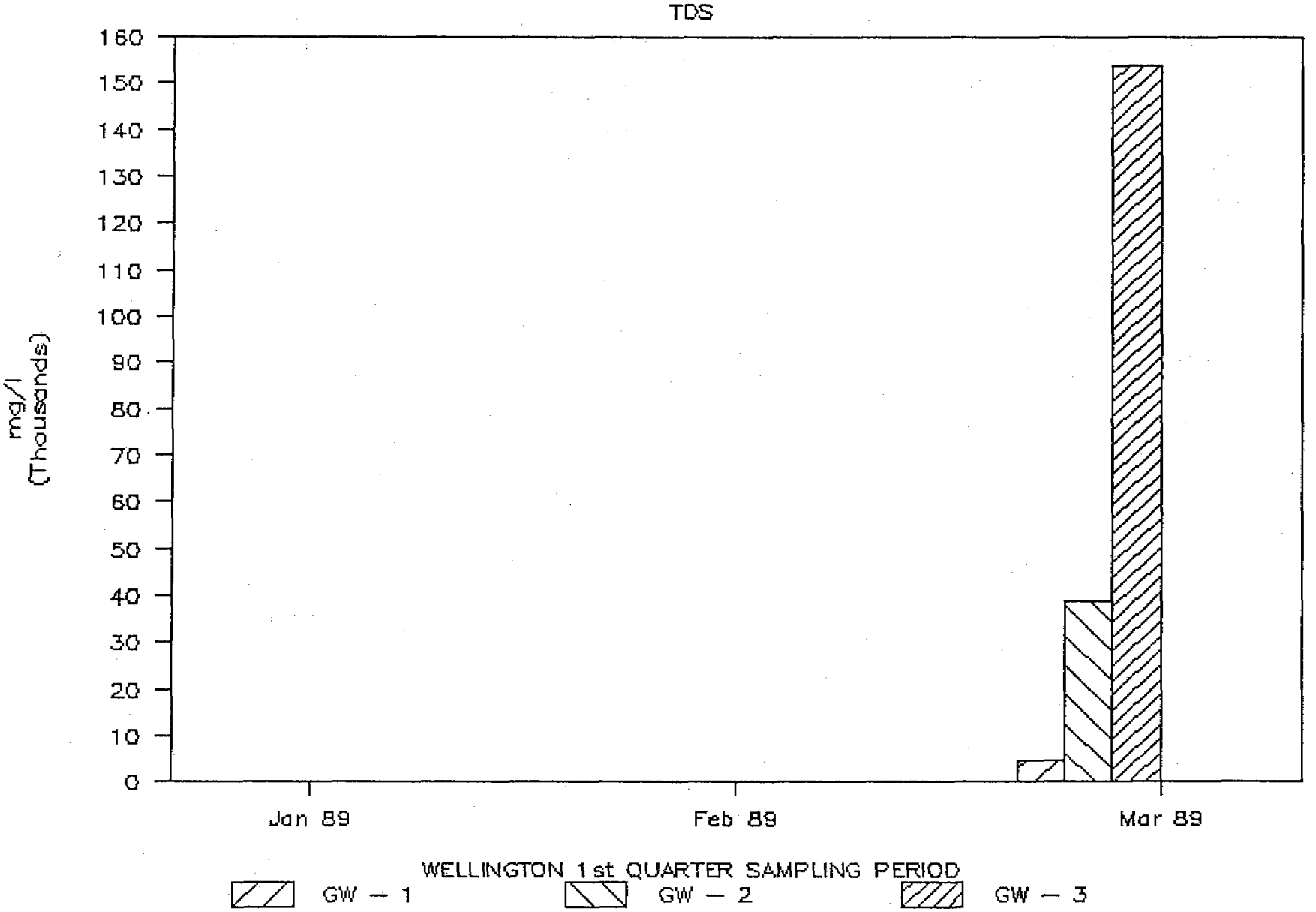

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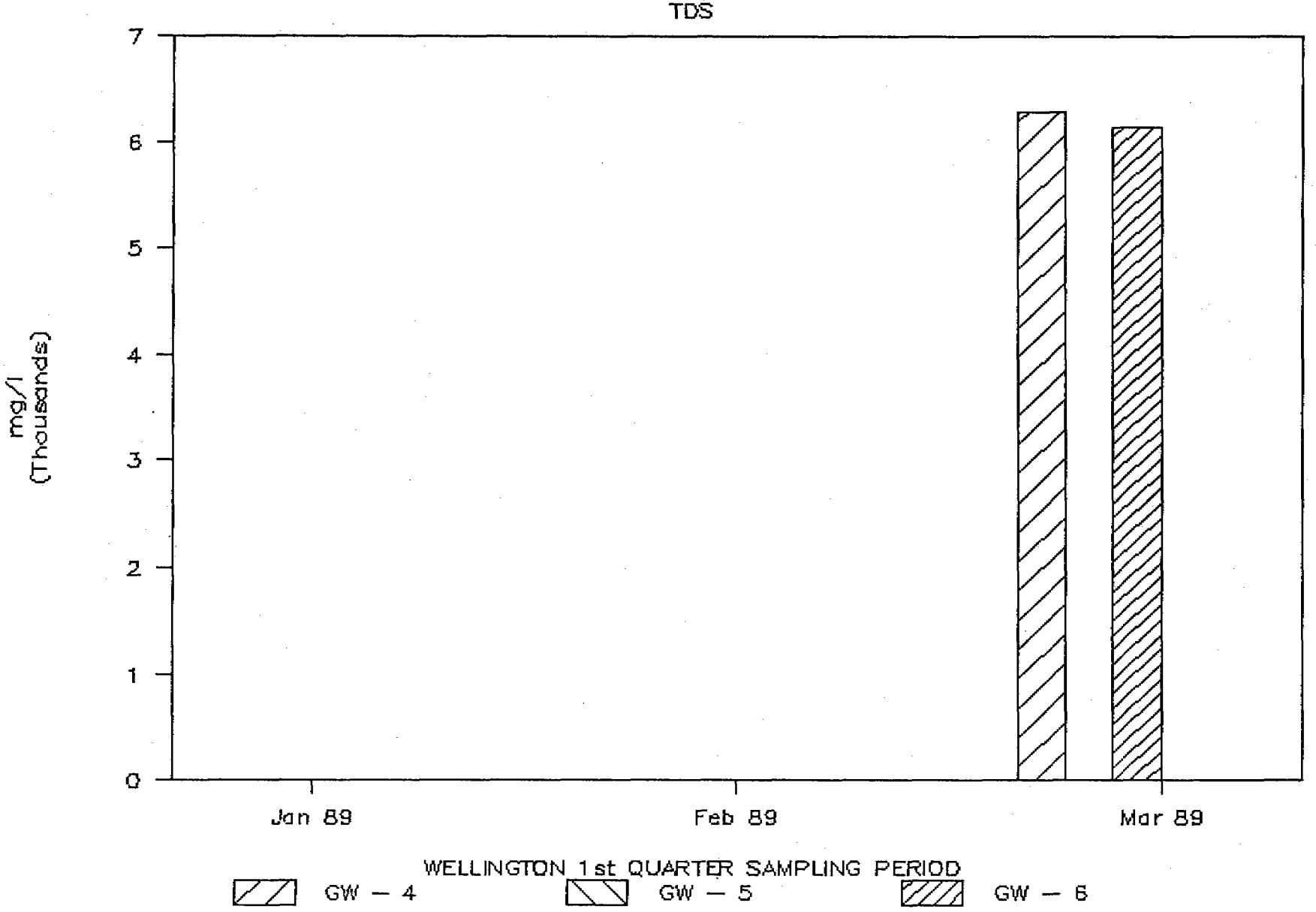

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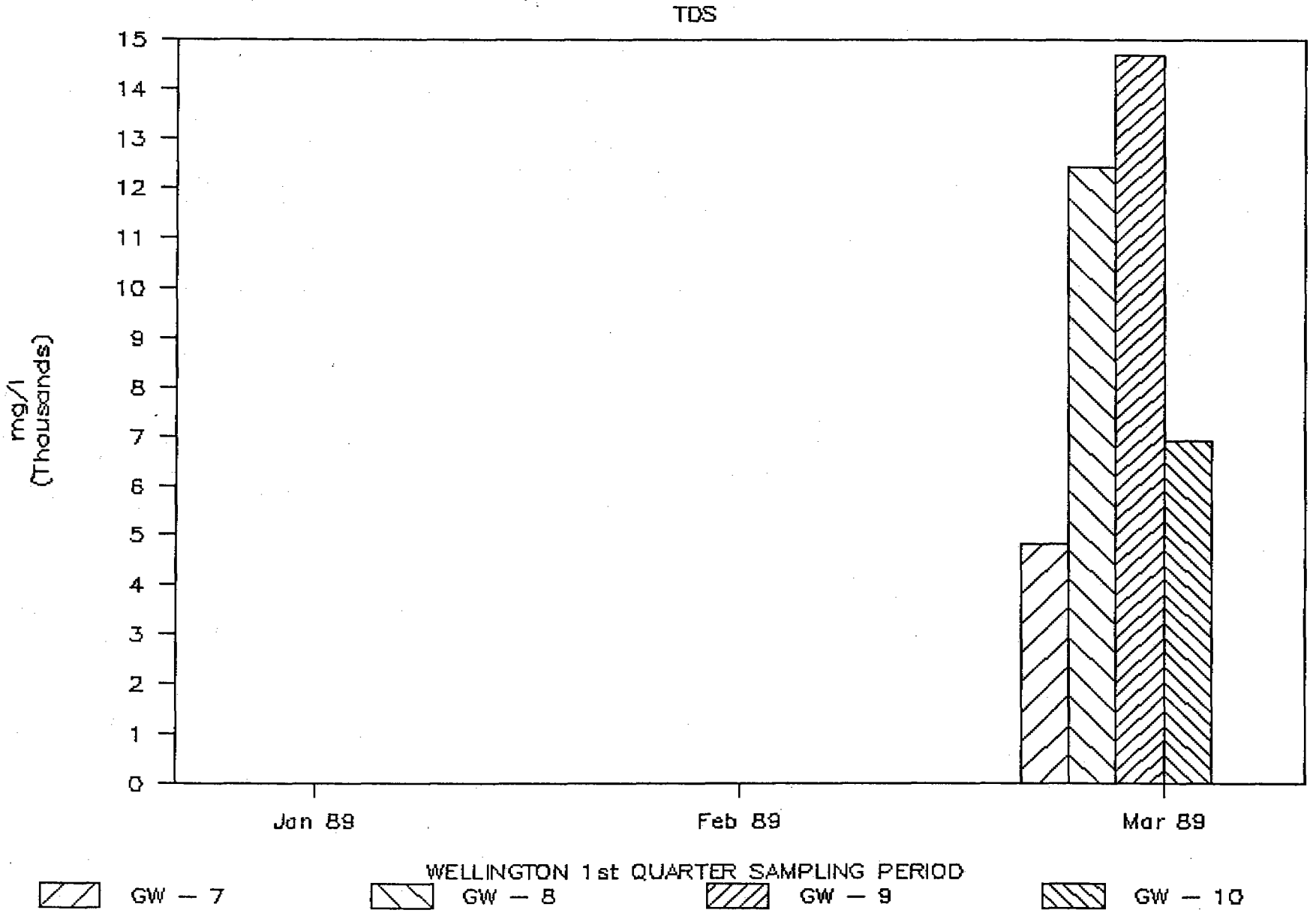

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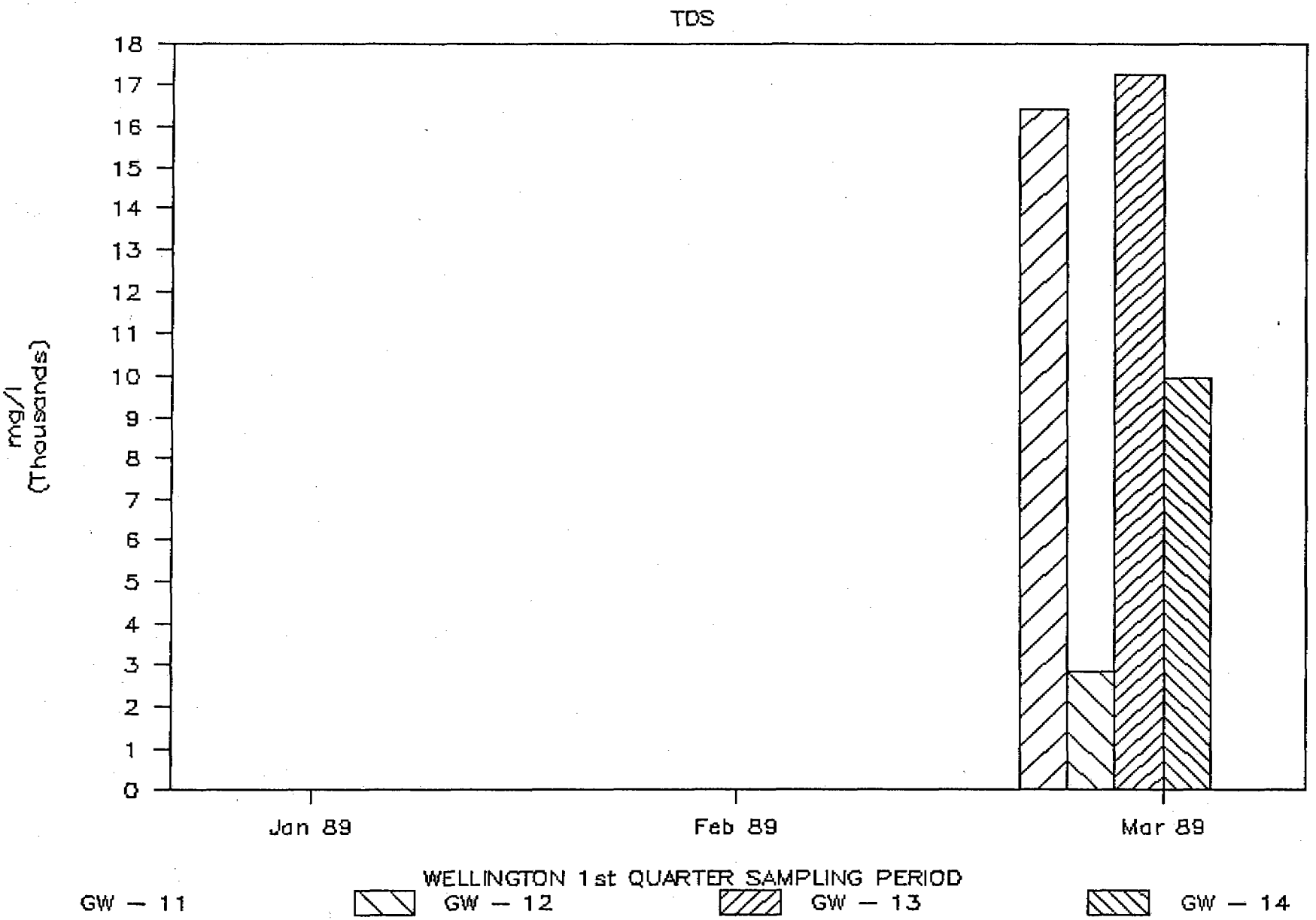
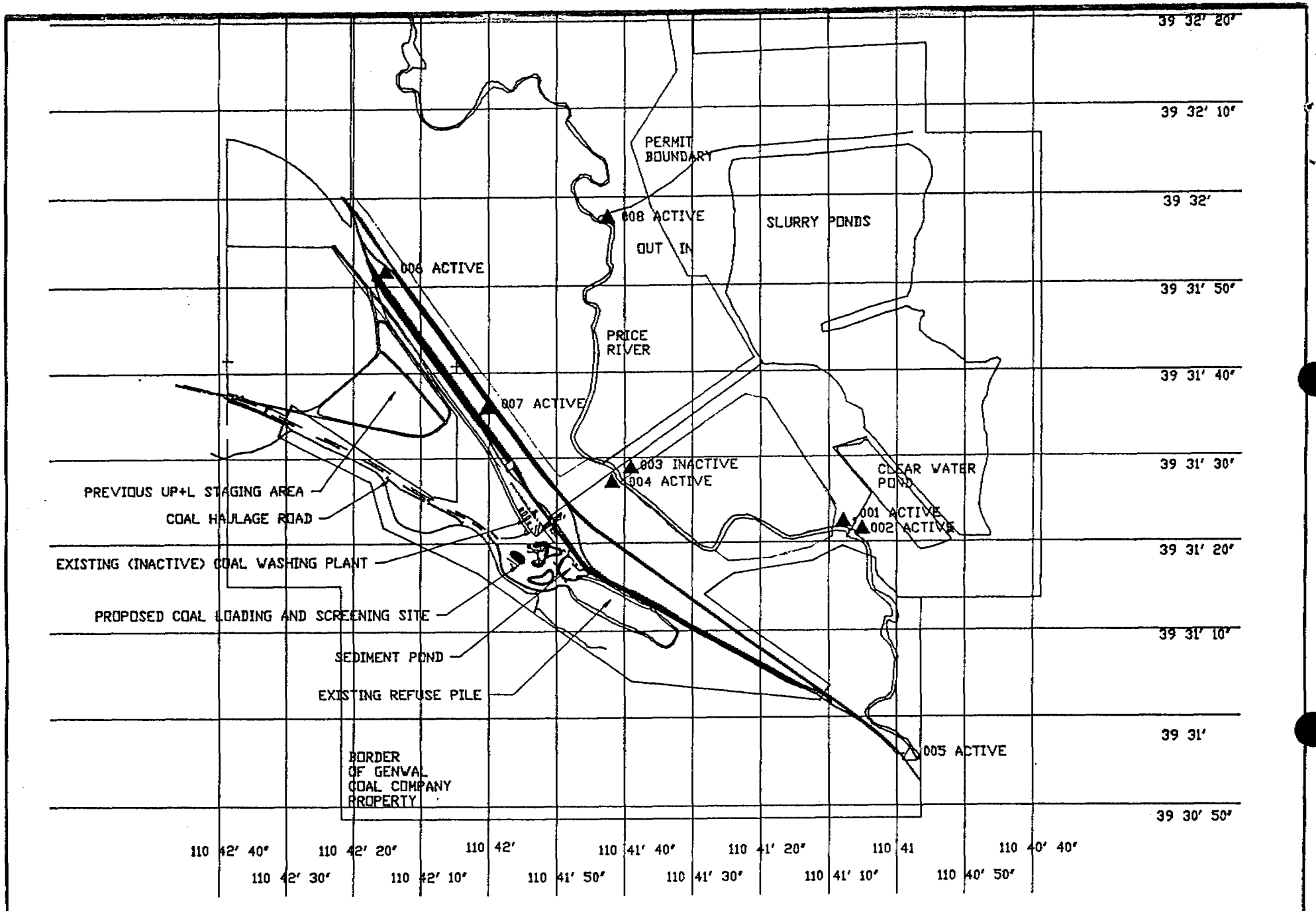
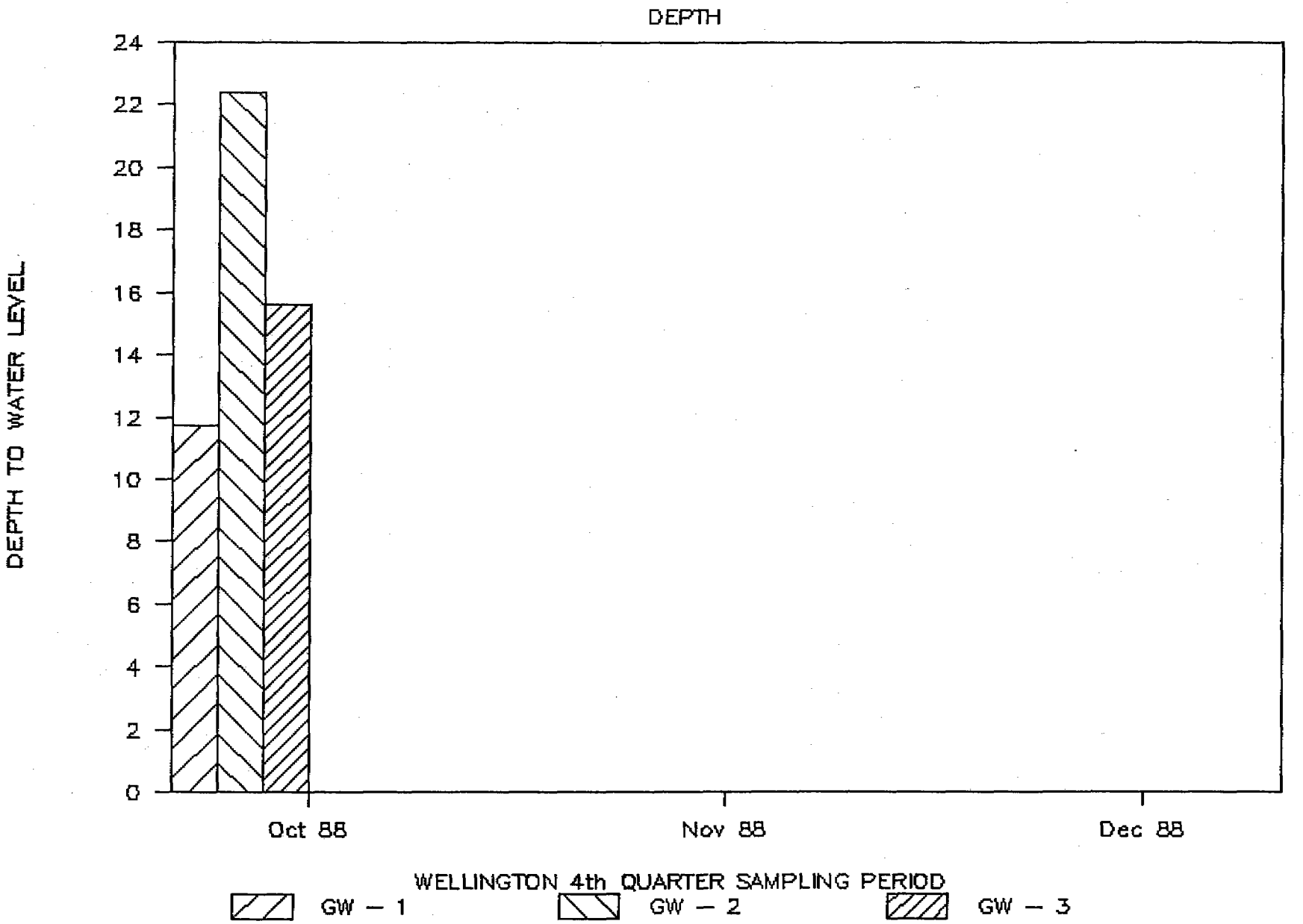




COAL SYSTEMS, Inc. SALT LAKE CITY, UTAH 801-261-4500	GENWAL COAL COMPANY, P.O. BOX 766 WELLINGTON, UT. 84542	WELLINGTON COAL SCREENING AND LOADING FACILITY	CHECKED BY LL APPROVED BY L.G.M. DRAWN BY: AUTOCAD	DIRECTED BY L.G.M. DATE: AUG. 14, 1989 OPERATOR: B. C. PAUL	SCALE: 1 INCH = 1,300 FEET JOB NO. 4087-8 DWG. NO. 404
	LOCATION OF PRESENT AND FUTURE DISCHARGE POINTS UPDES PERMIT APPLICATION UT-0025000				

KAISER COAL CORPORATION



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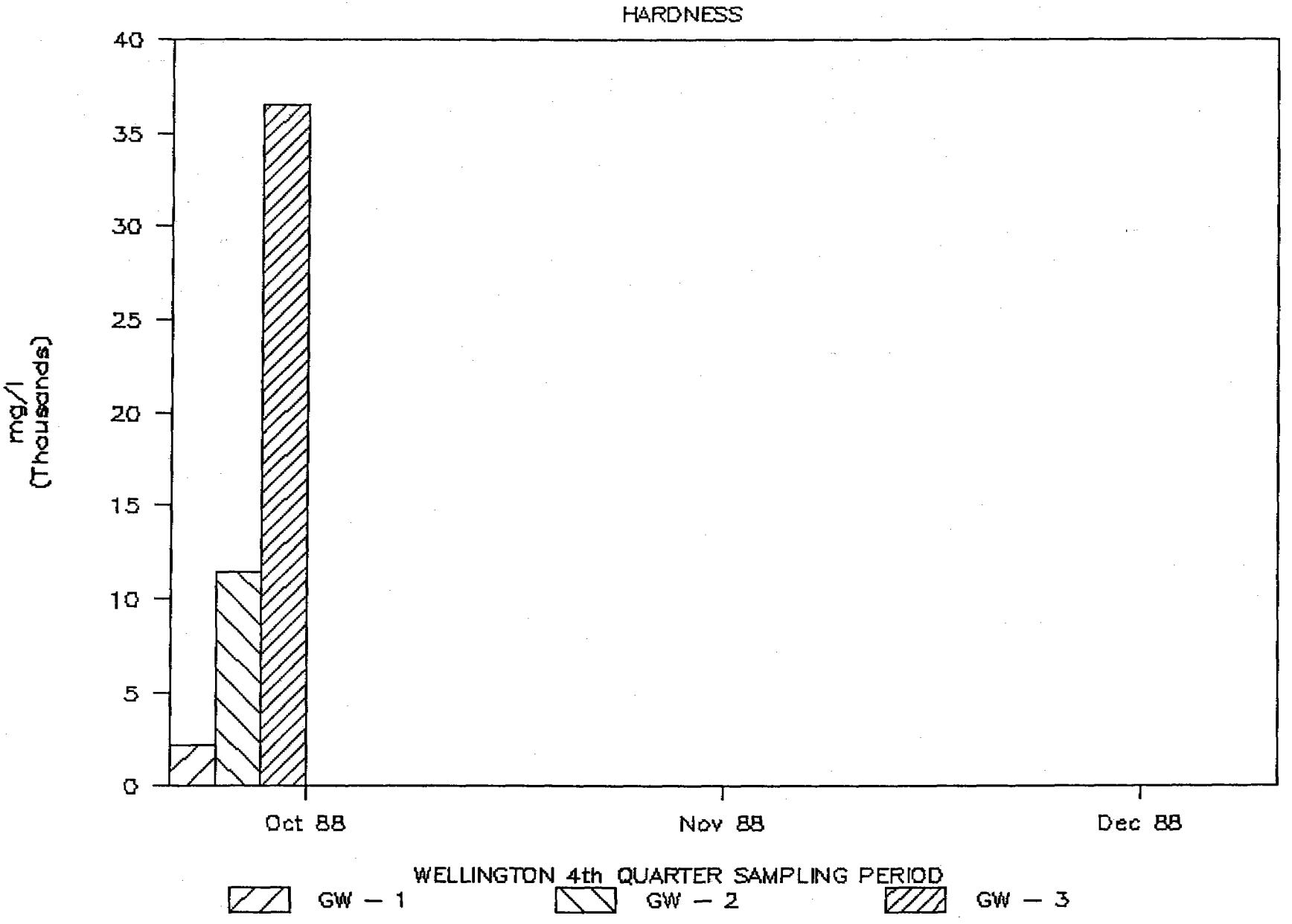
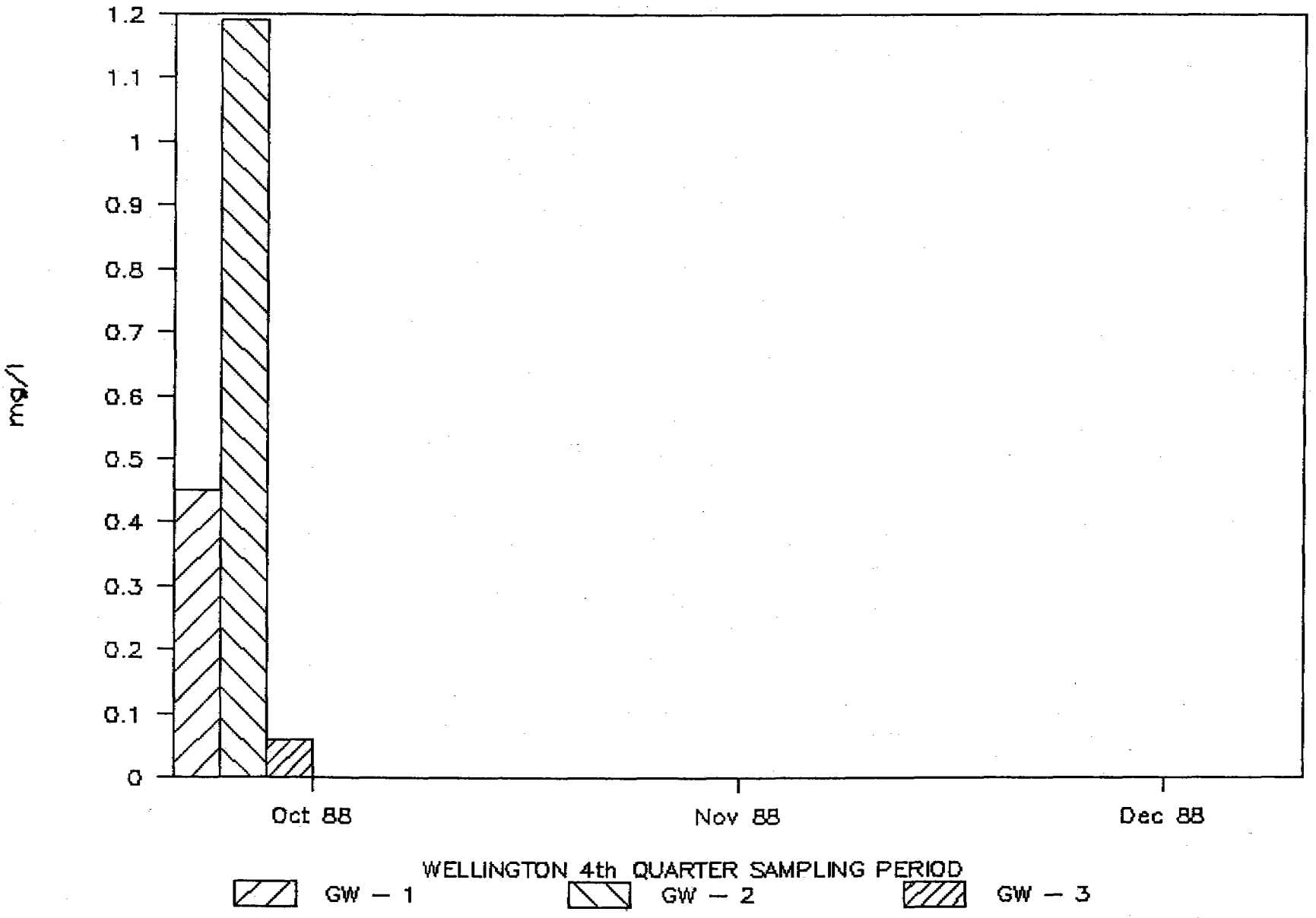


KAISER COAL CORPORATION

IRON TOTAL



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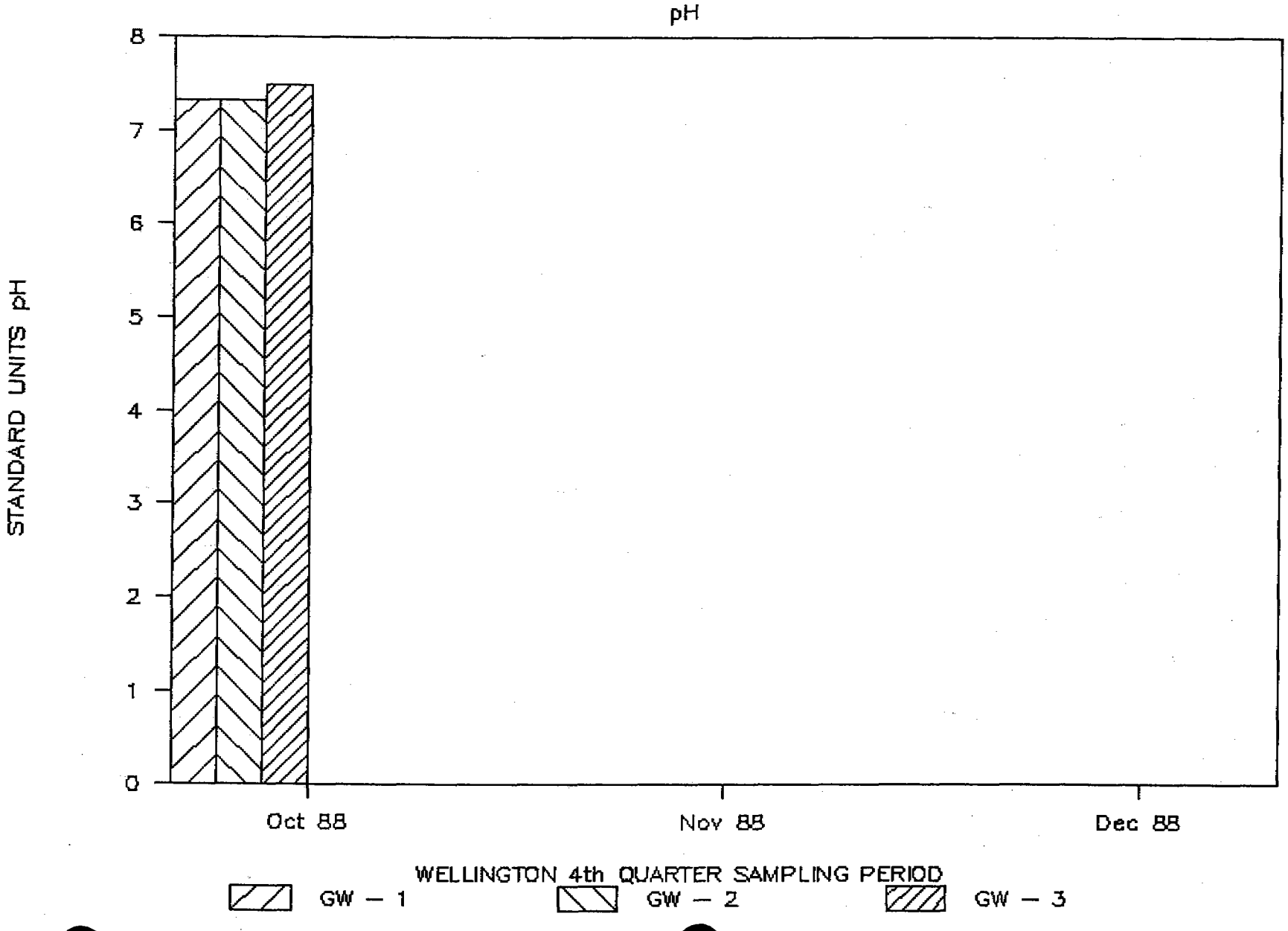

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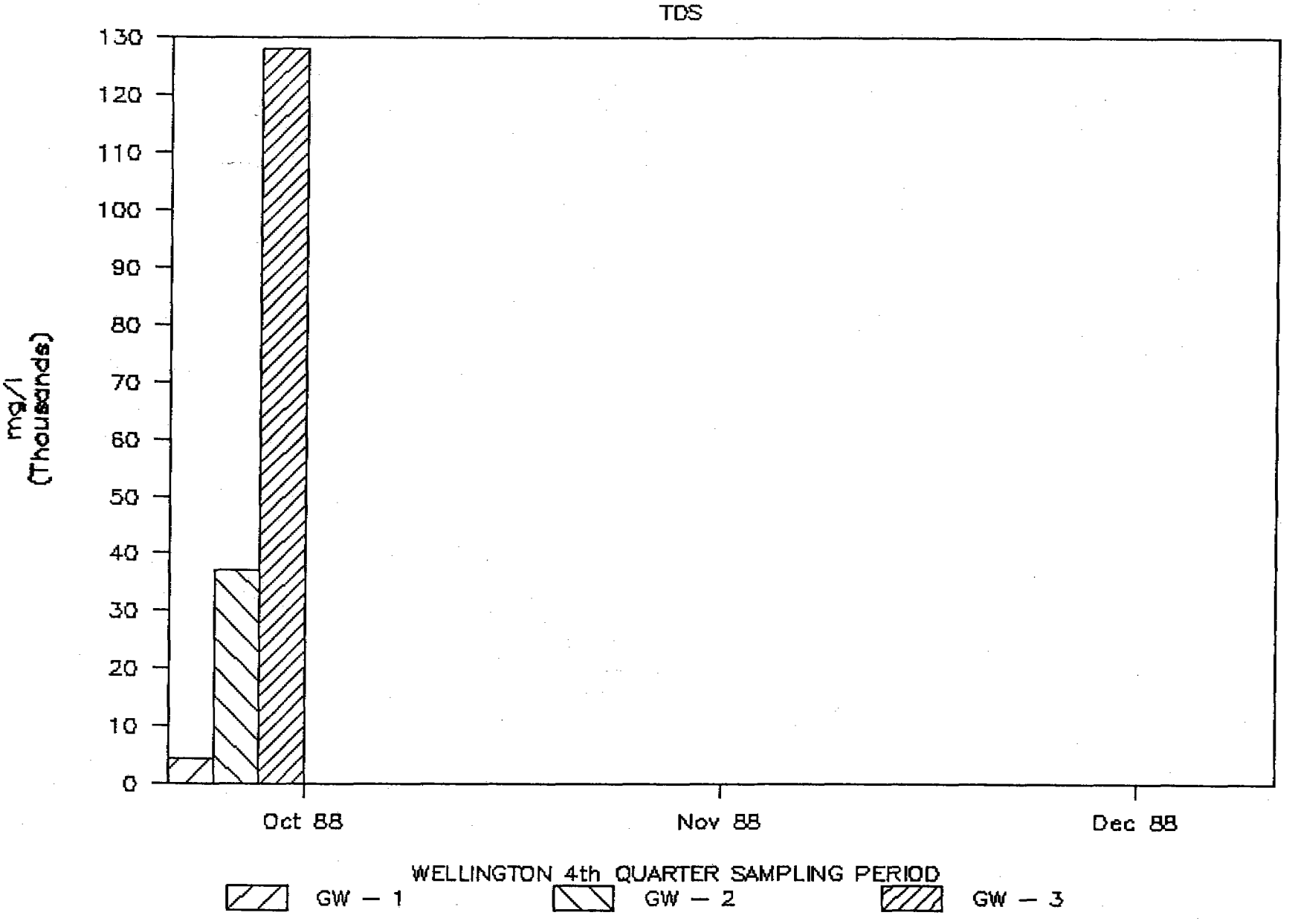
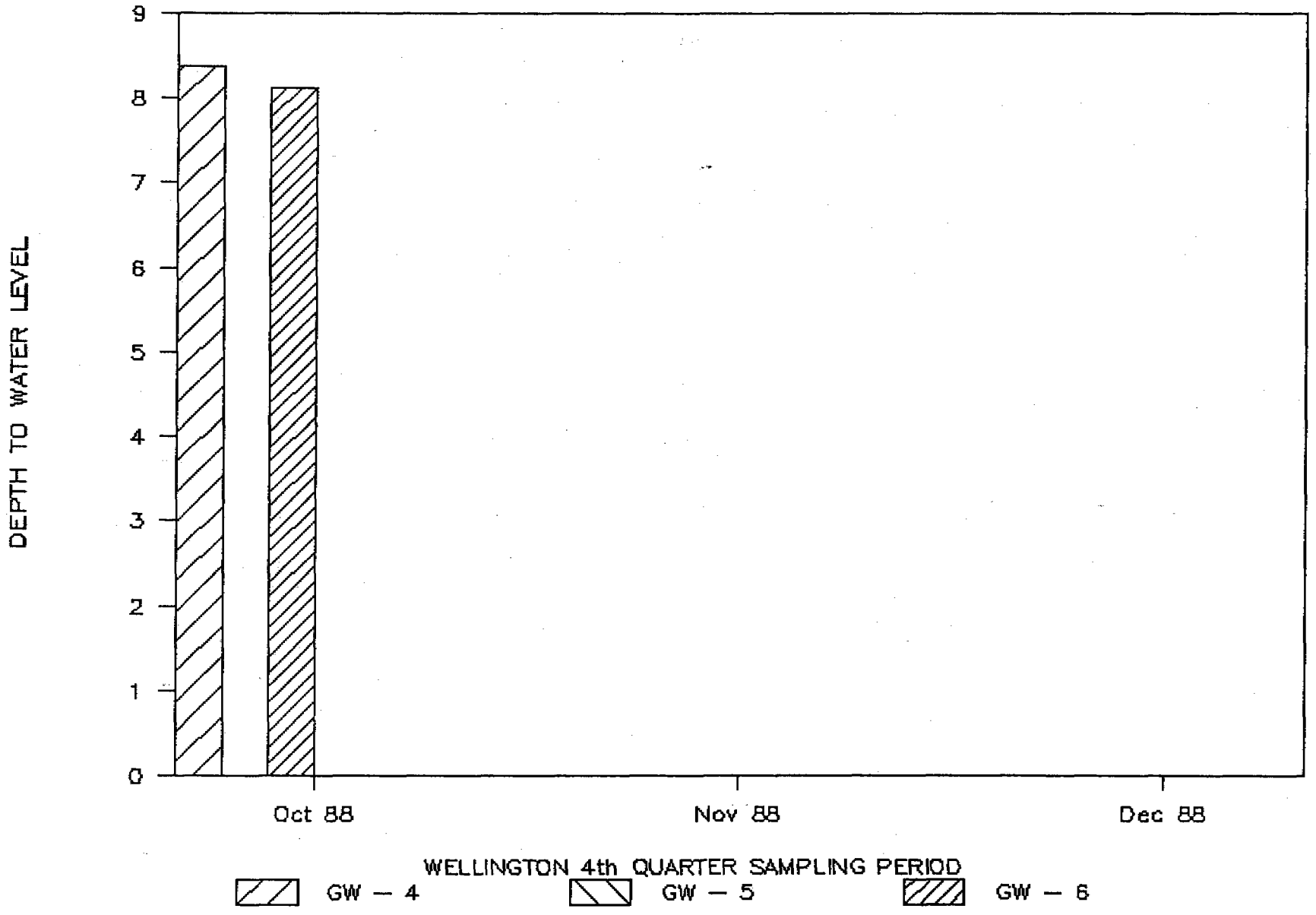


KAISER COAL CORPORATION

DEPTH



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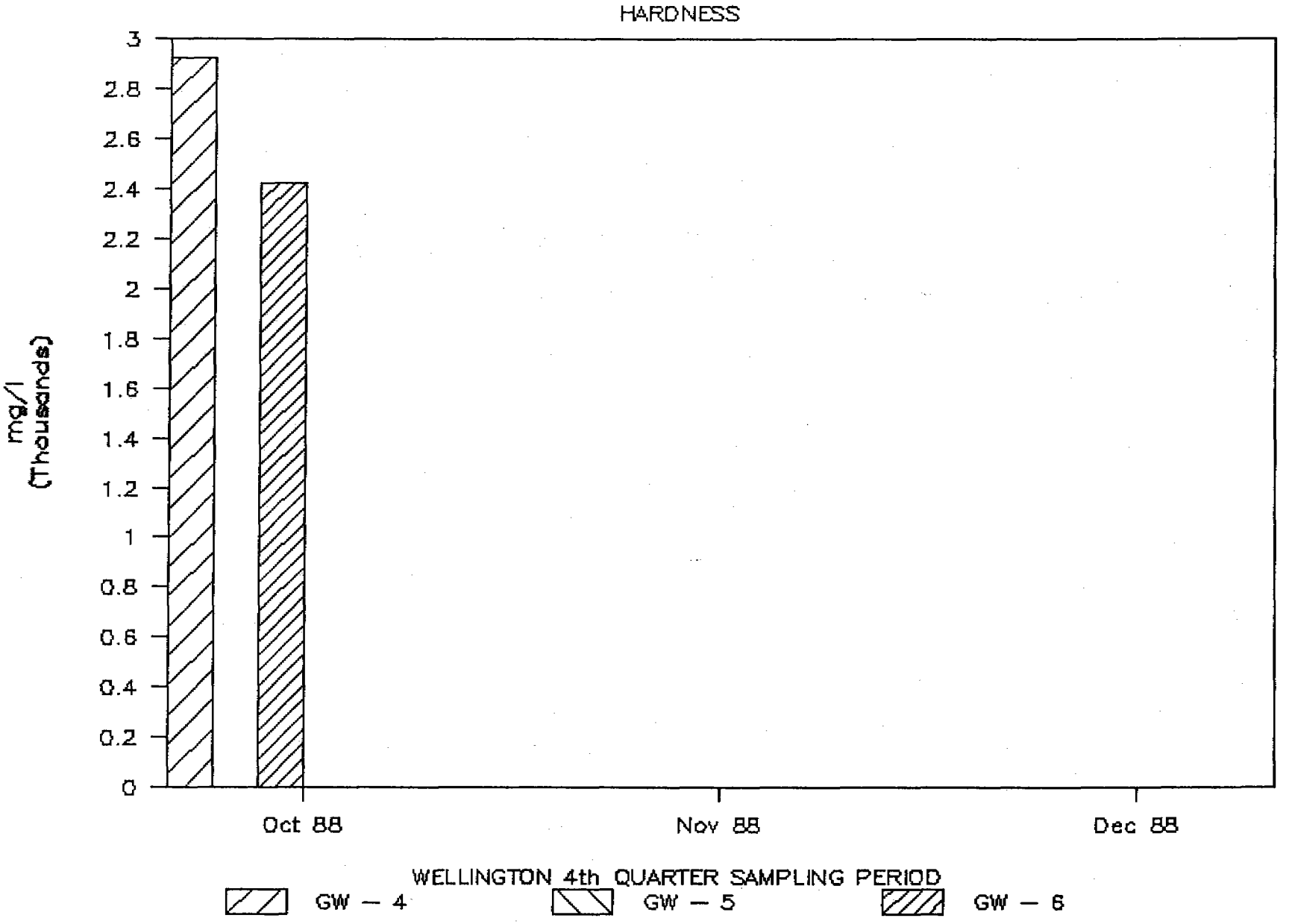

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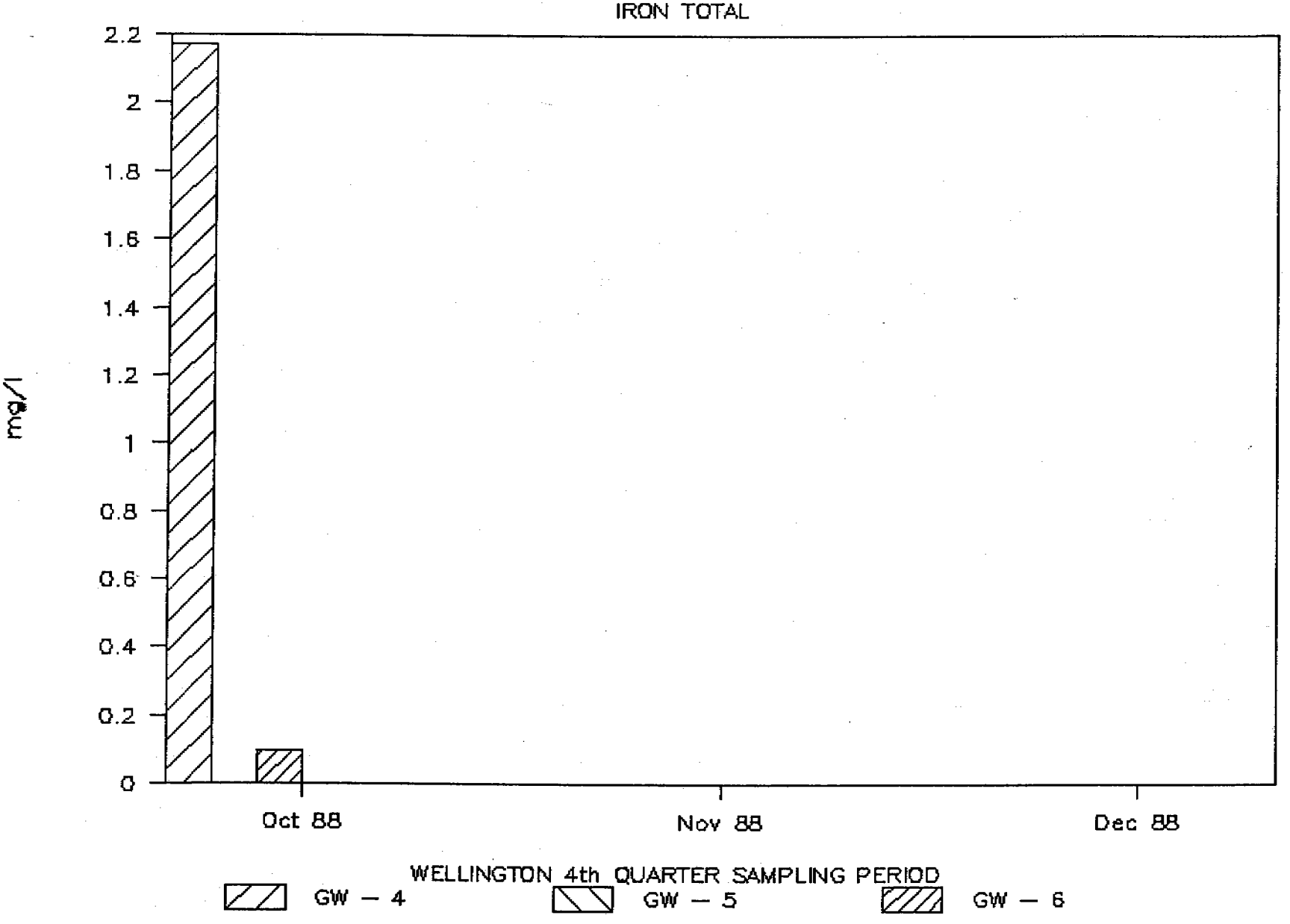

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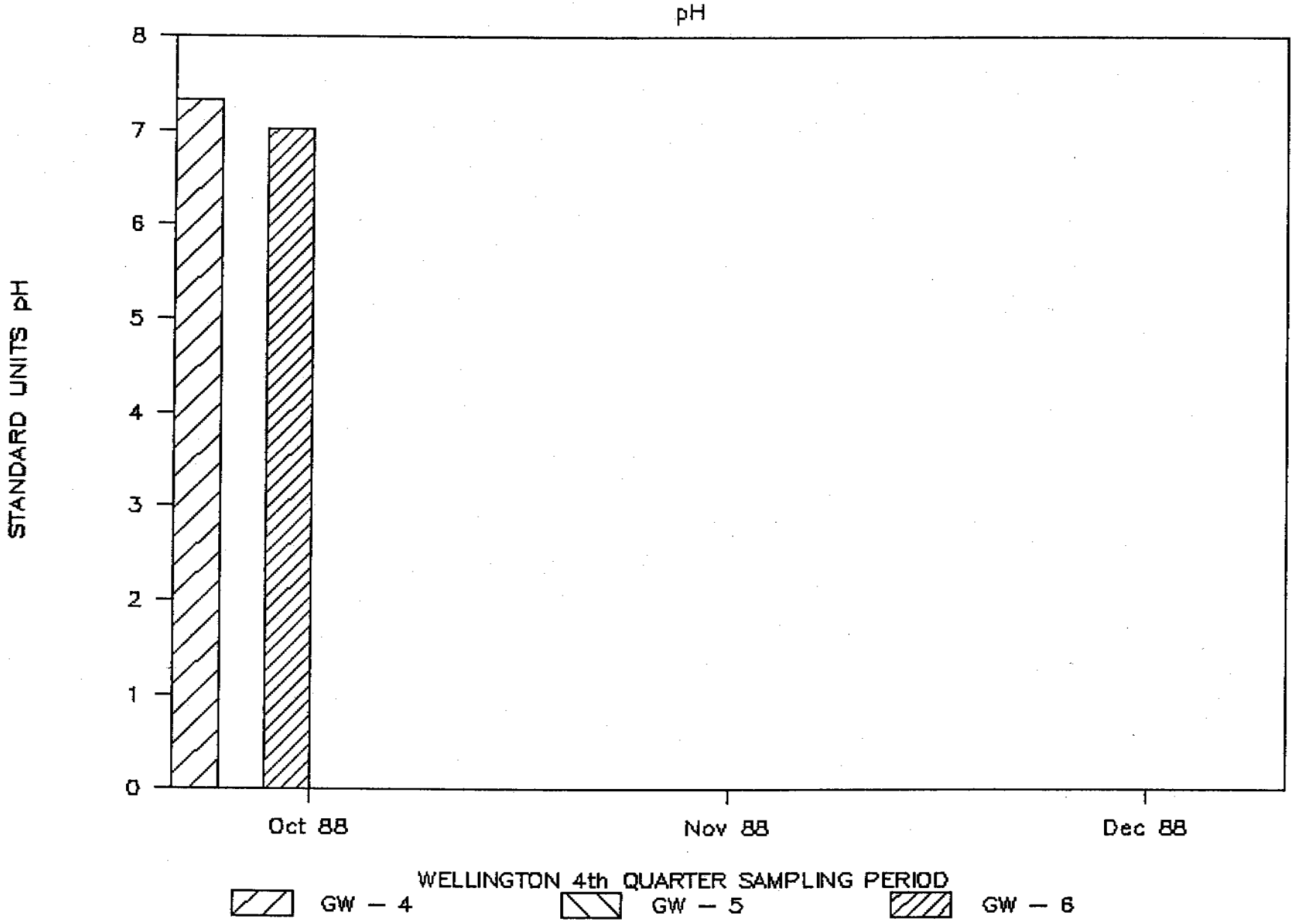

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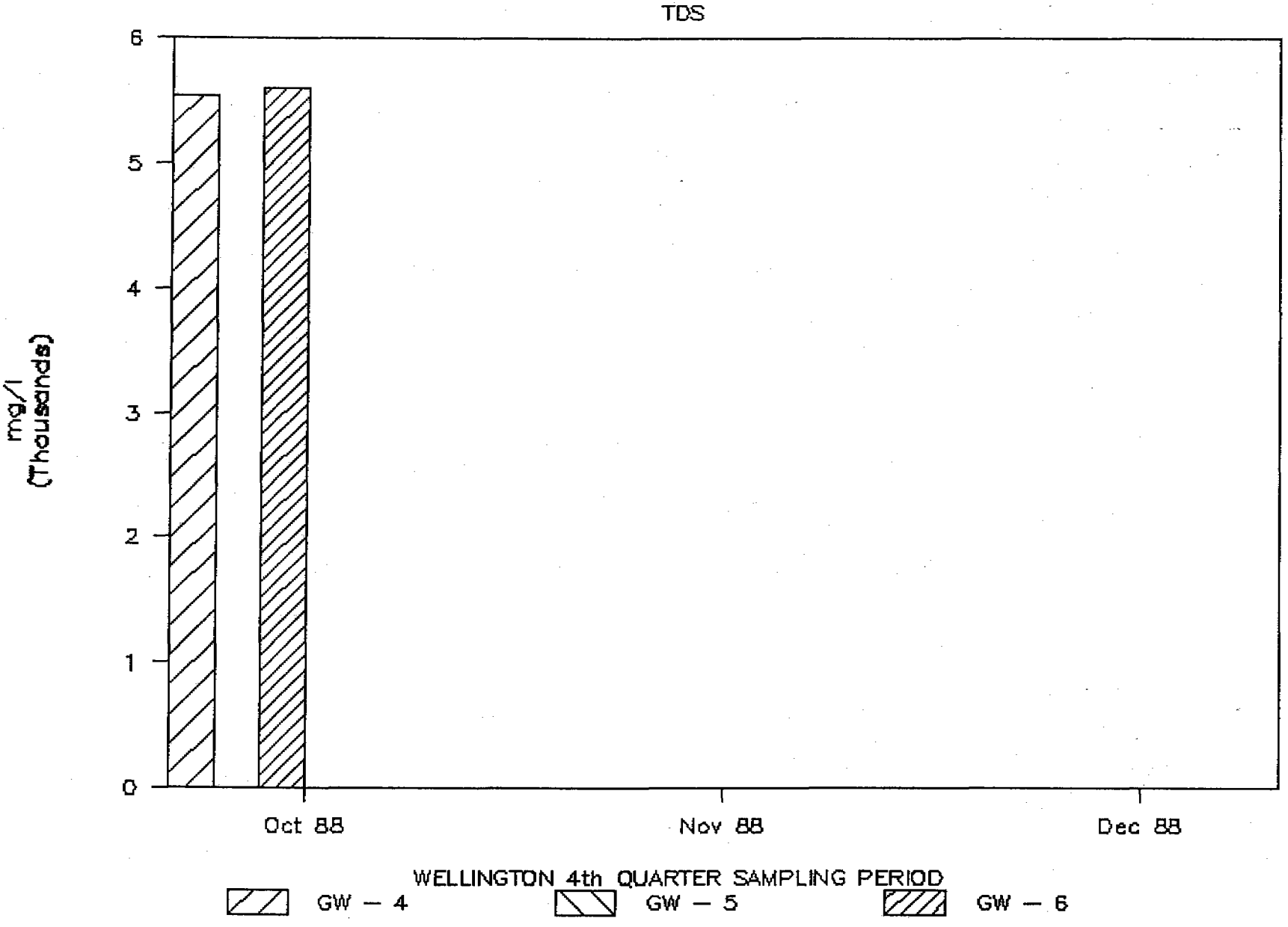

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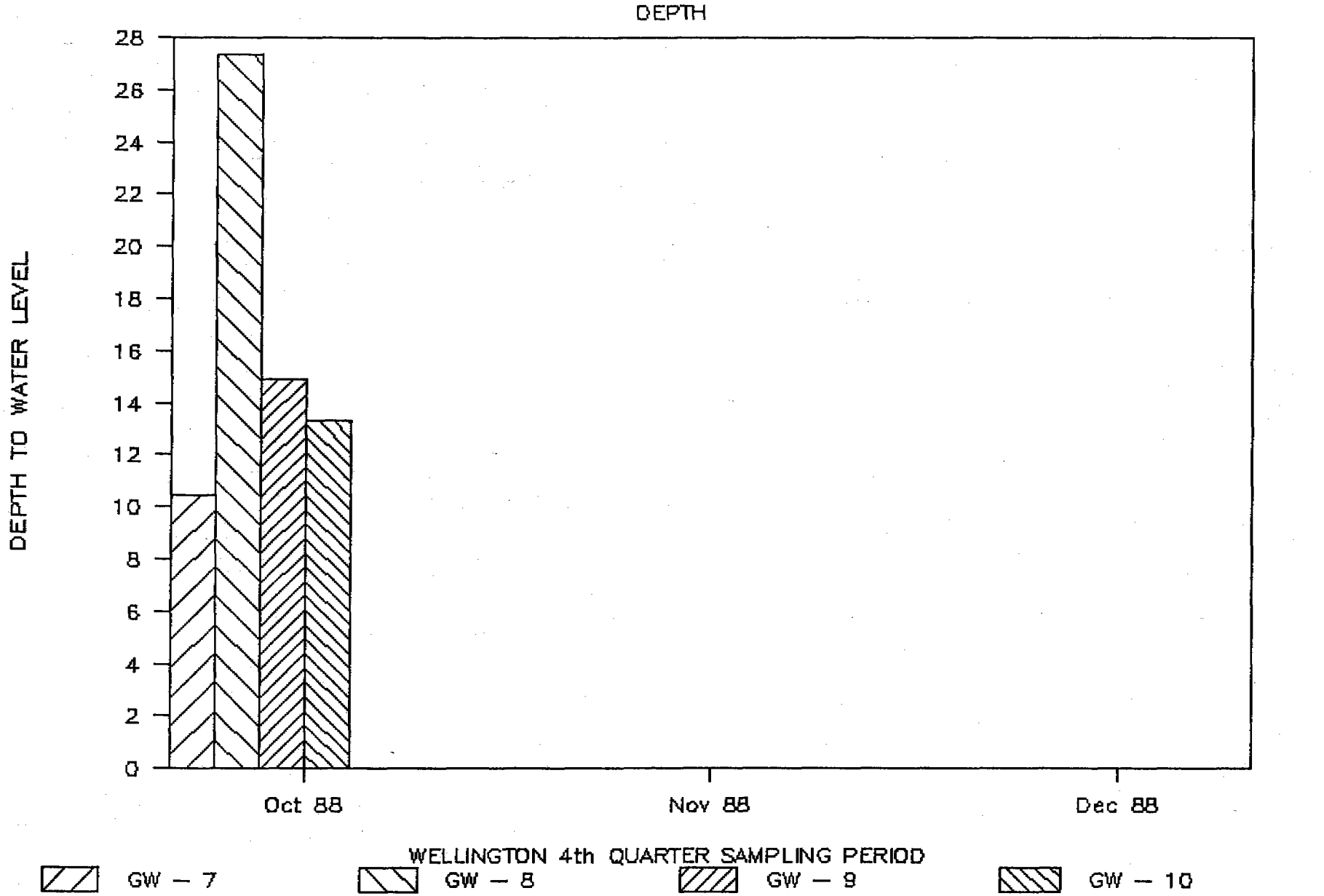

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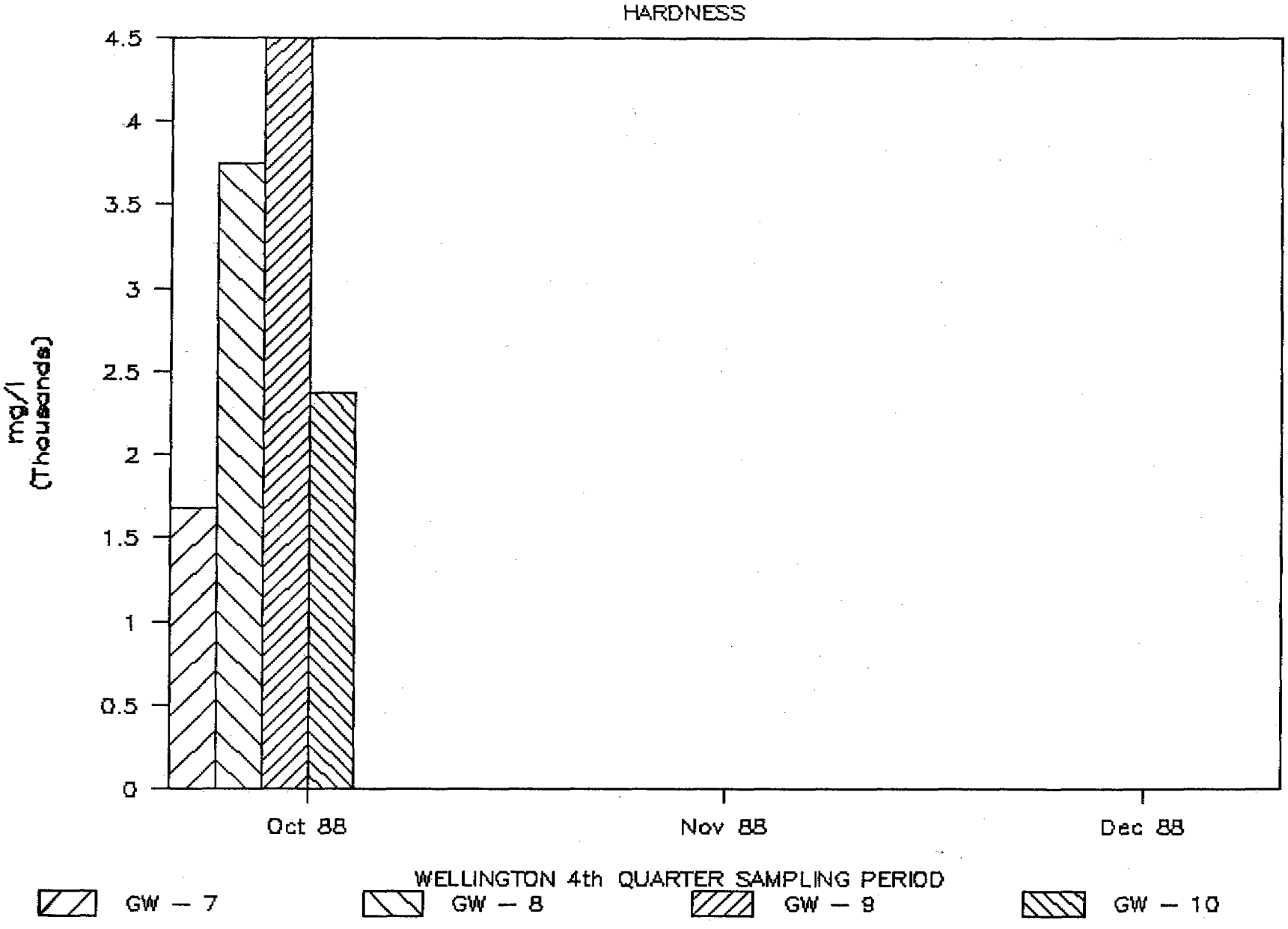
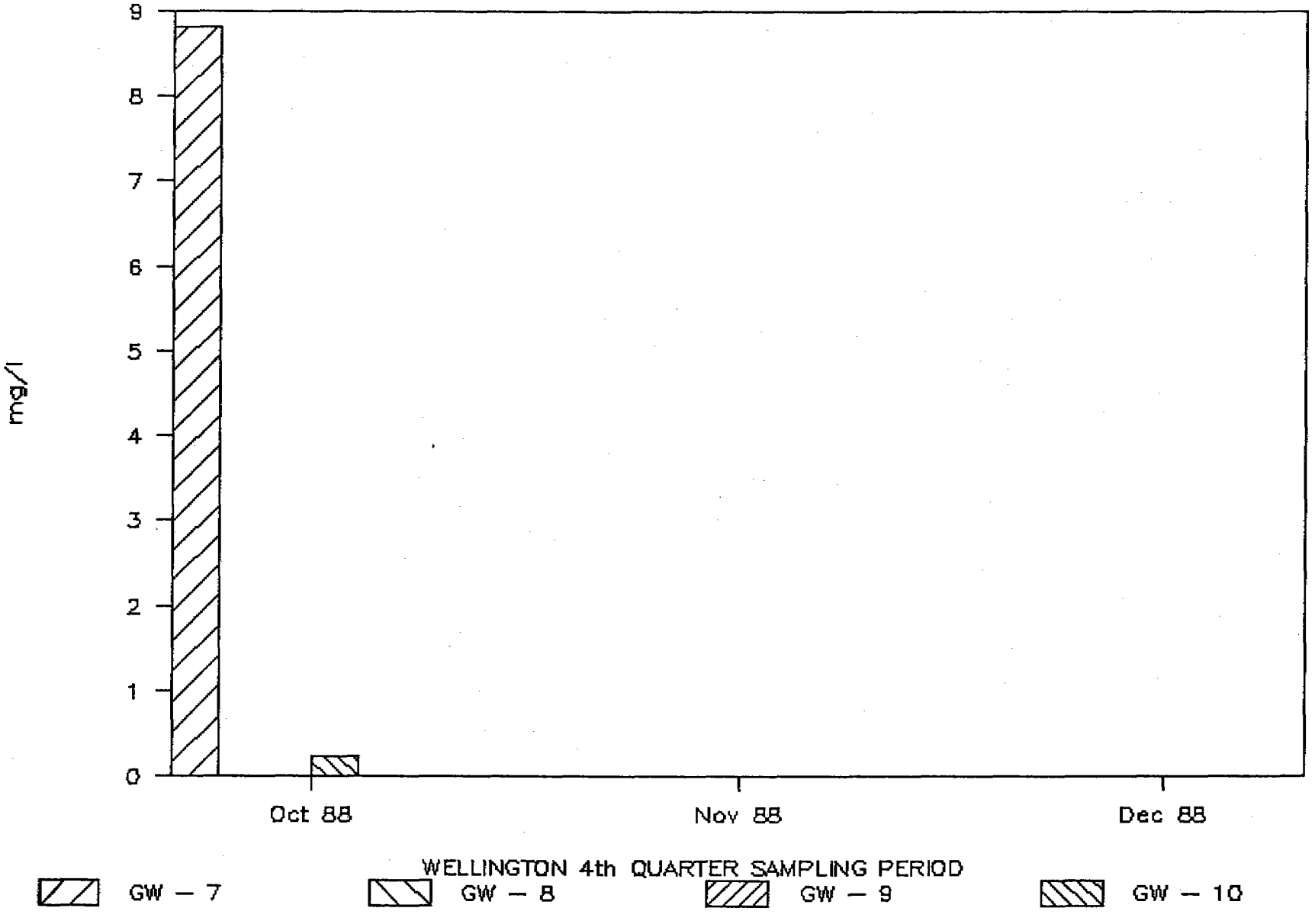


KAISER COAL CORPORATION

IRON TOTAL



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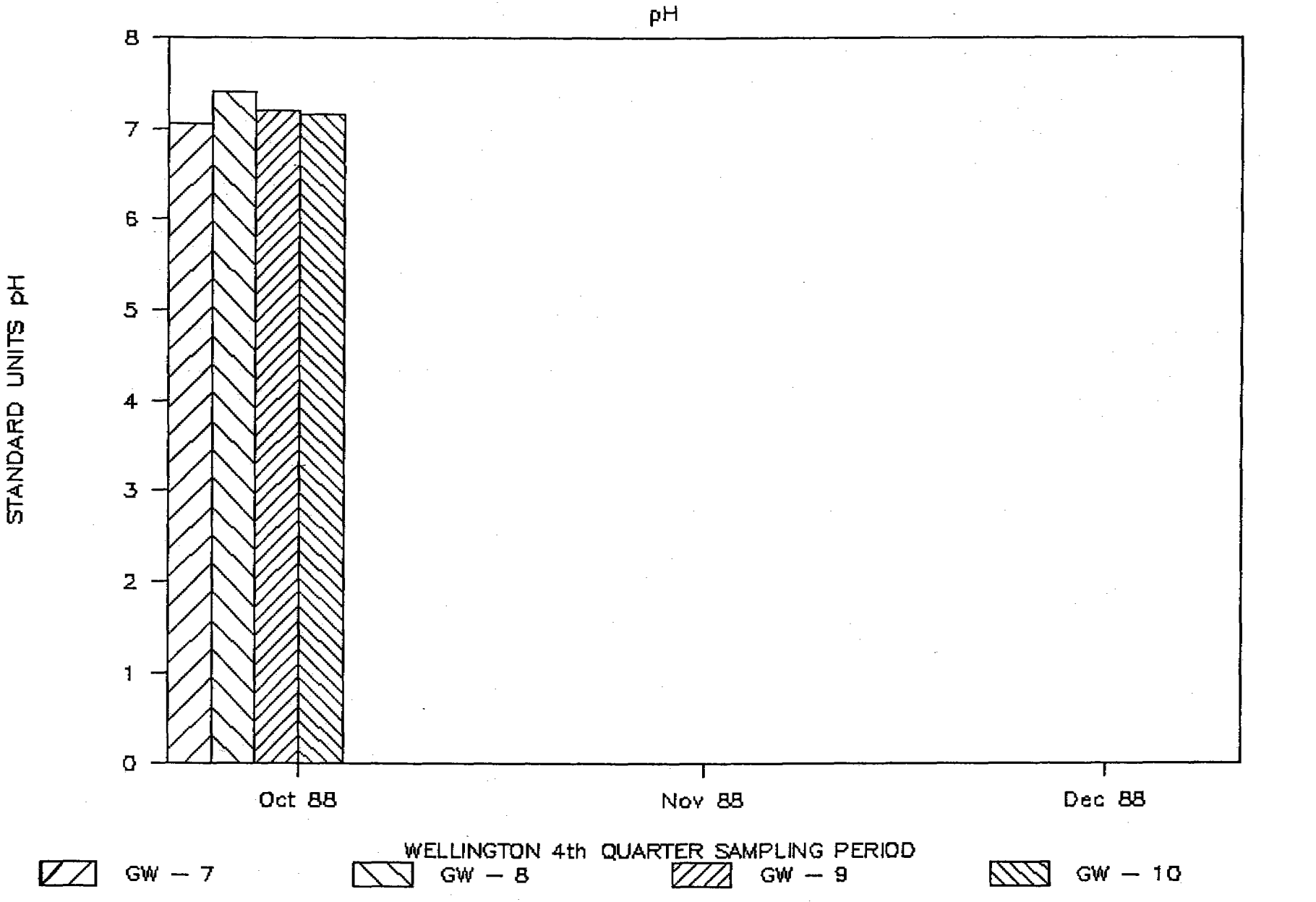

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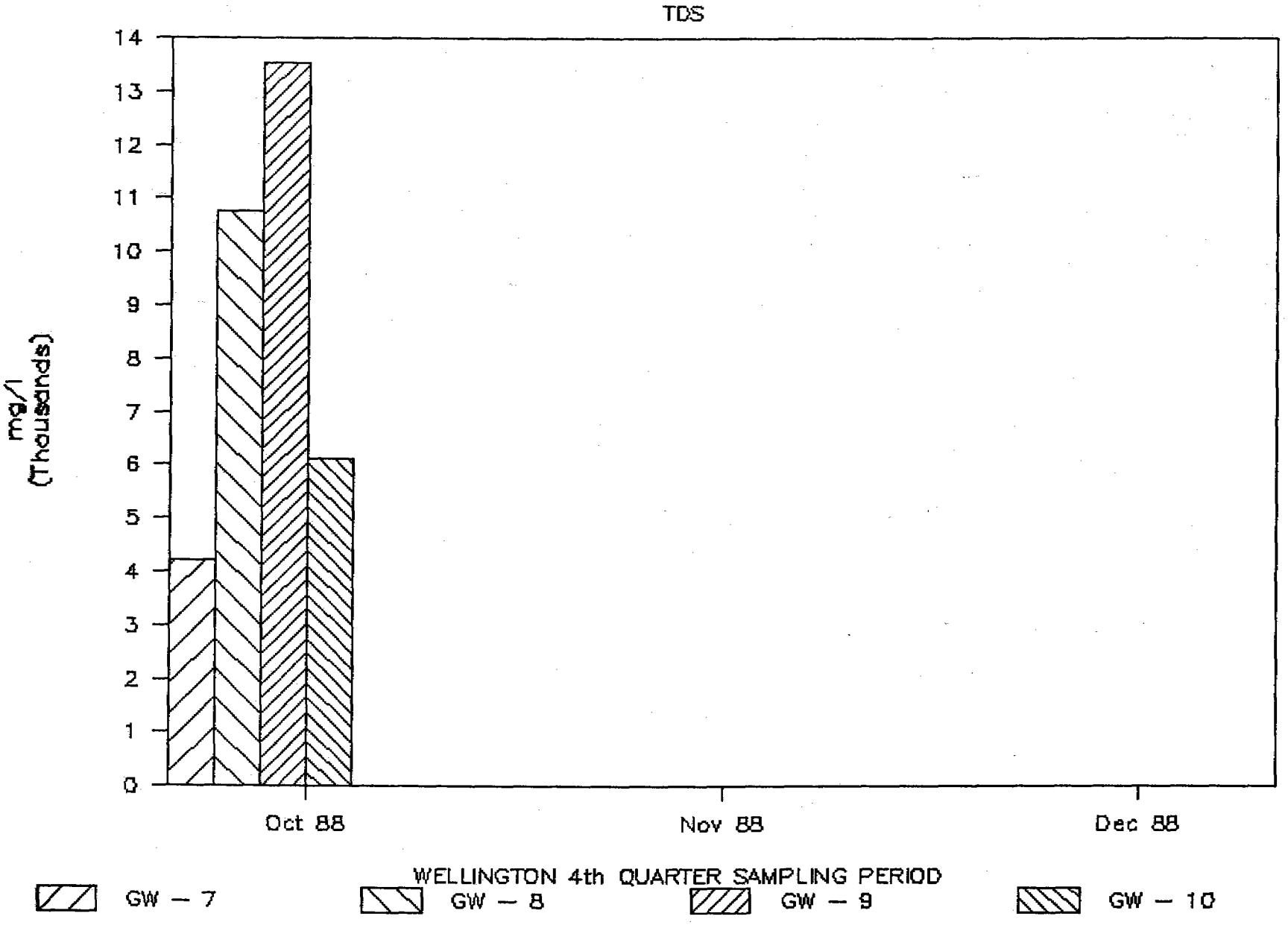

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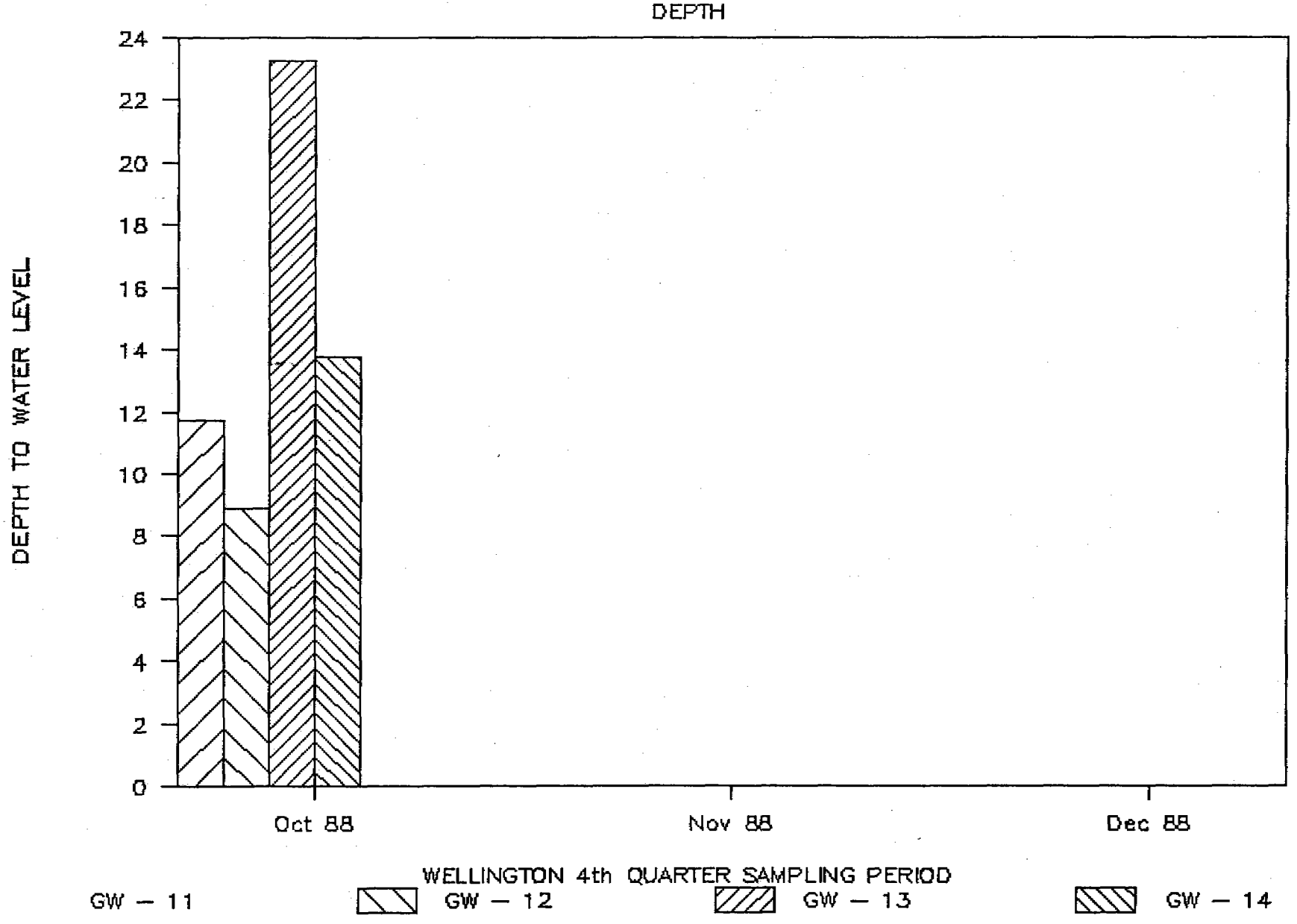

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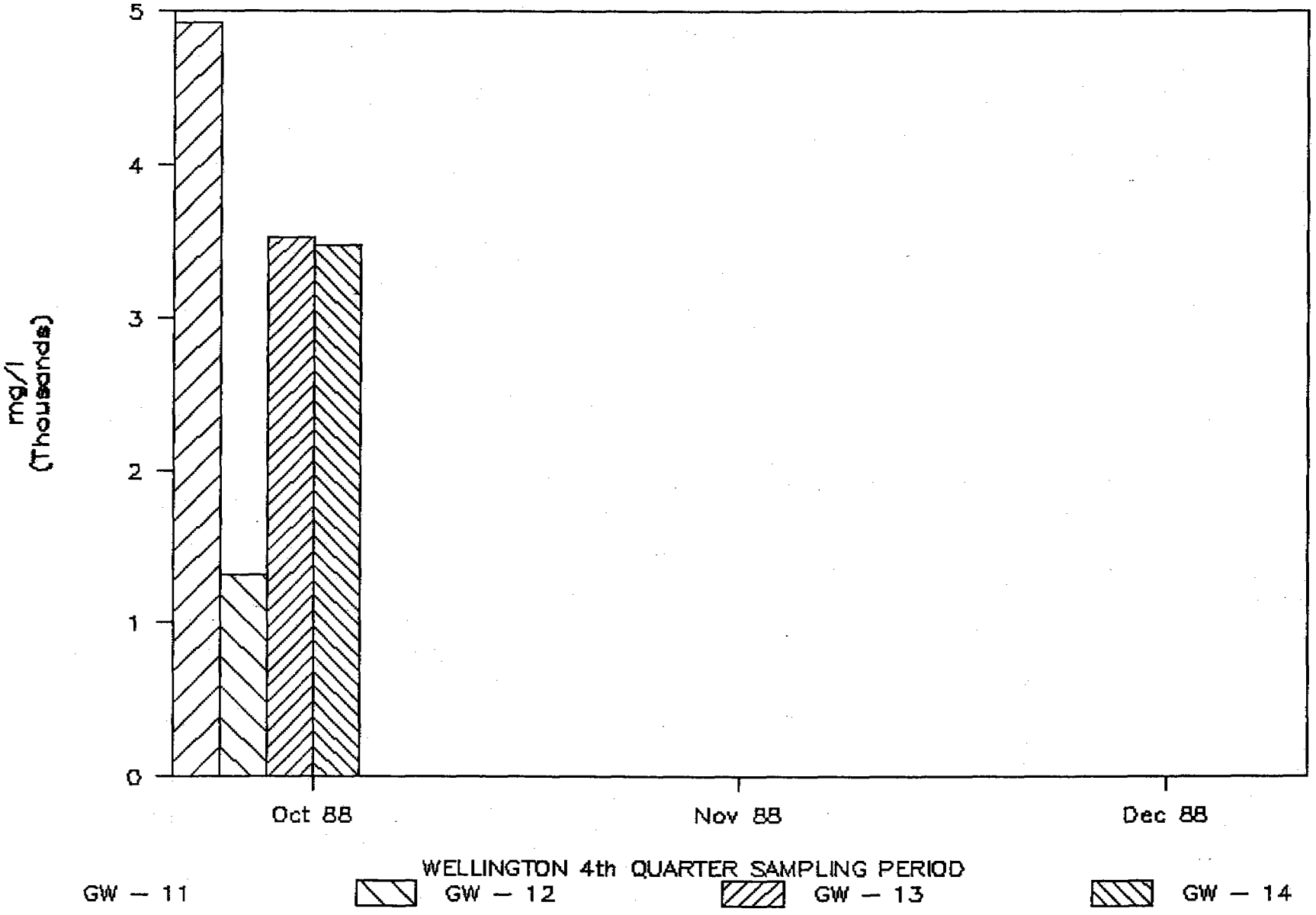
HARDNESS



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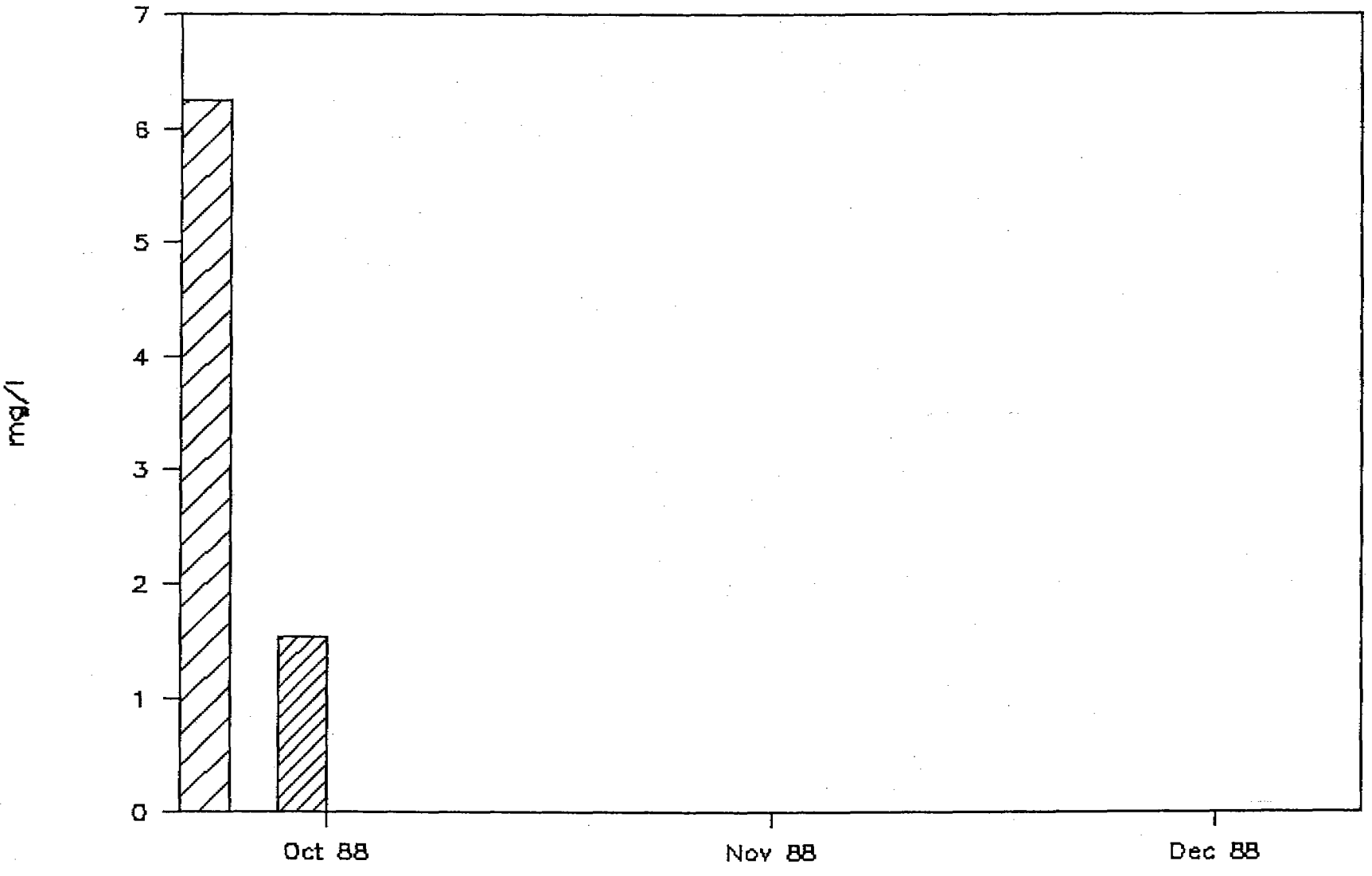
IRON TOTAL



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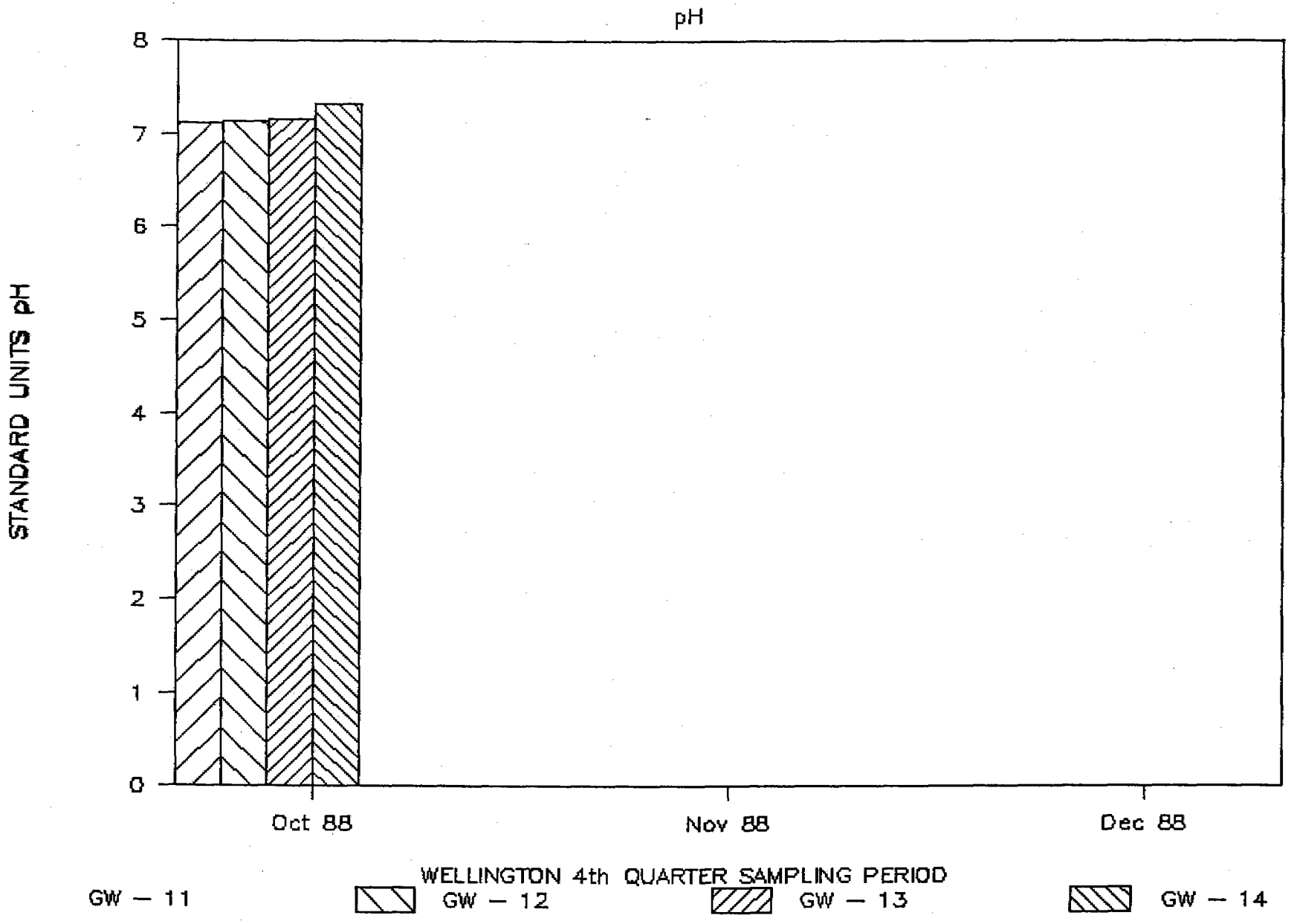

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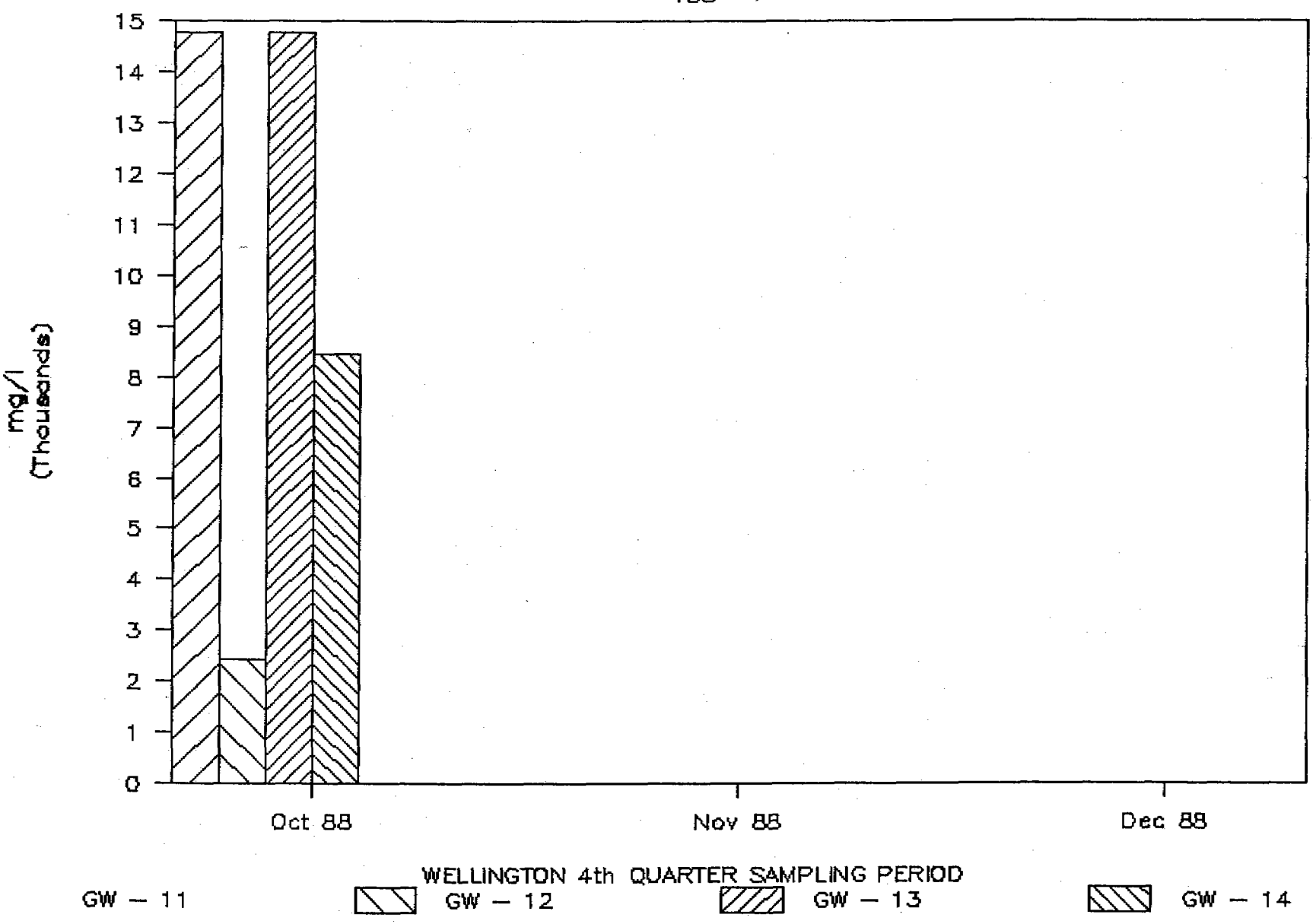

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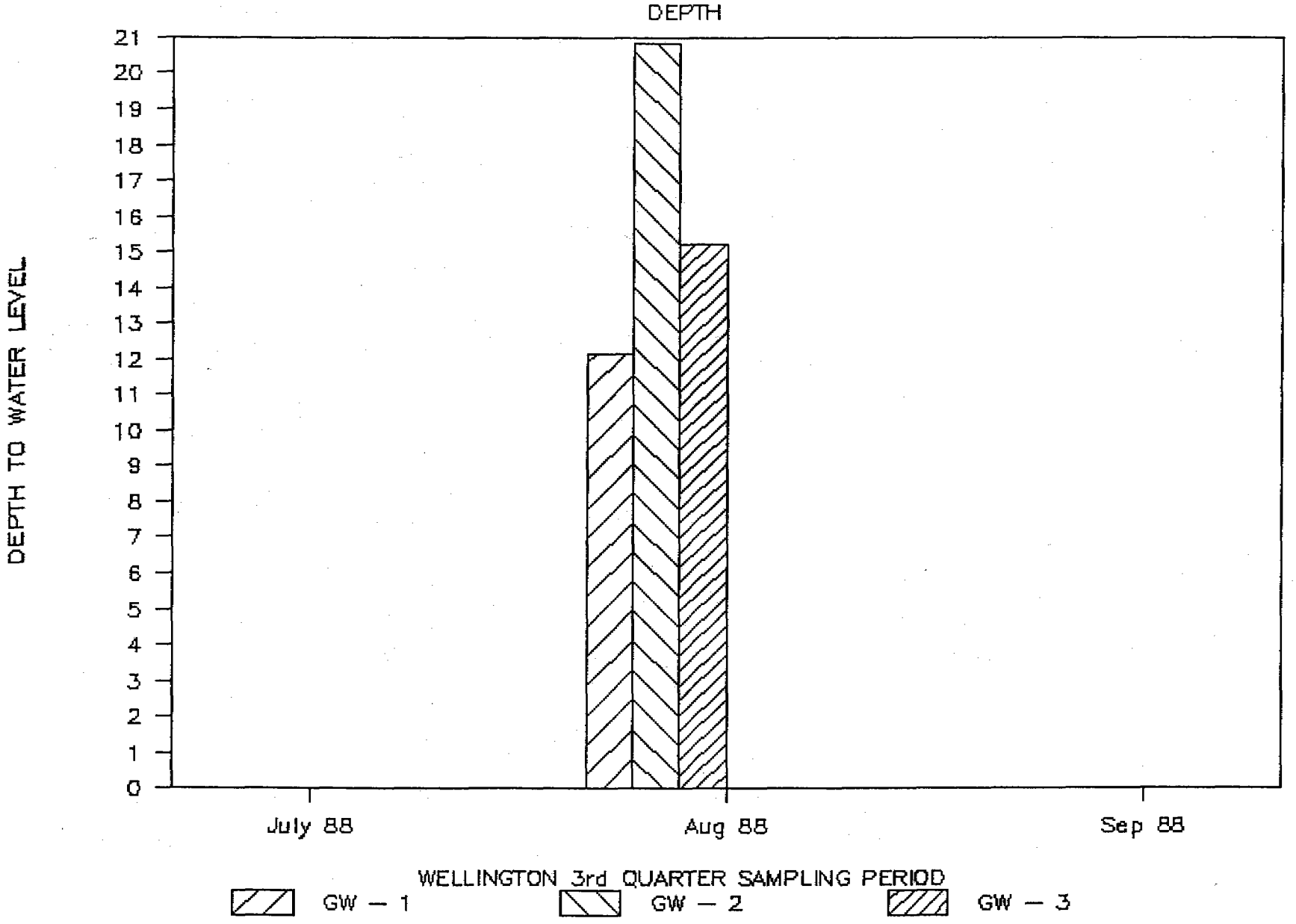

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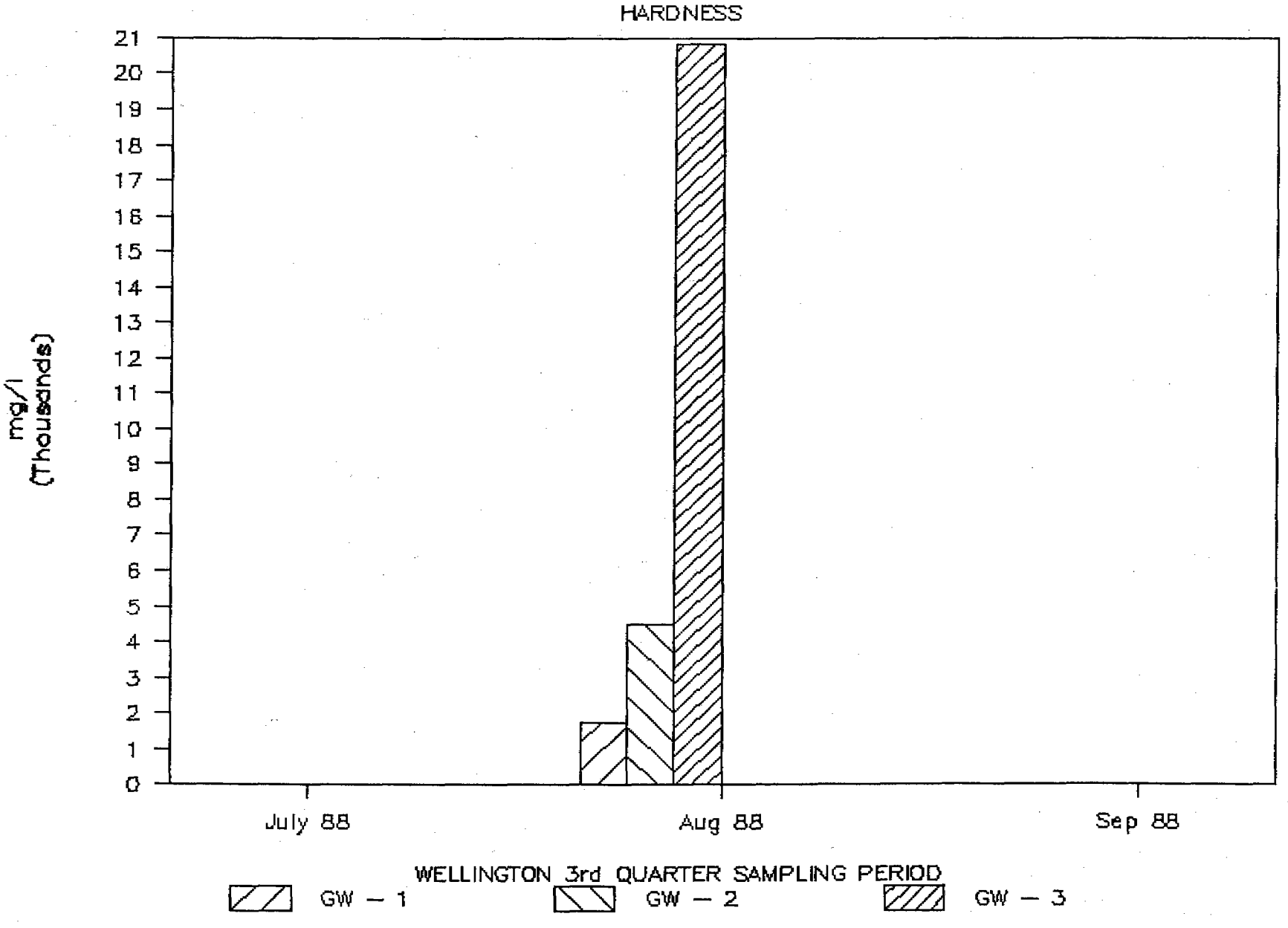

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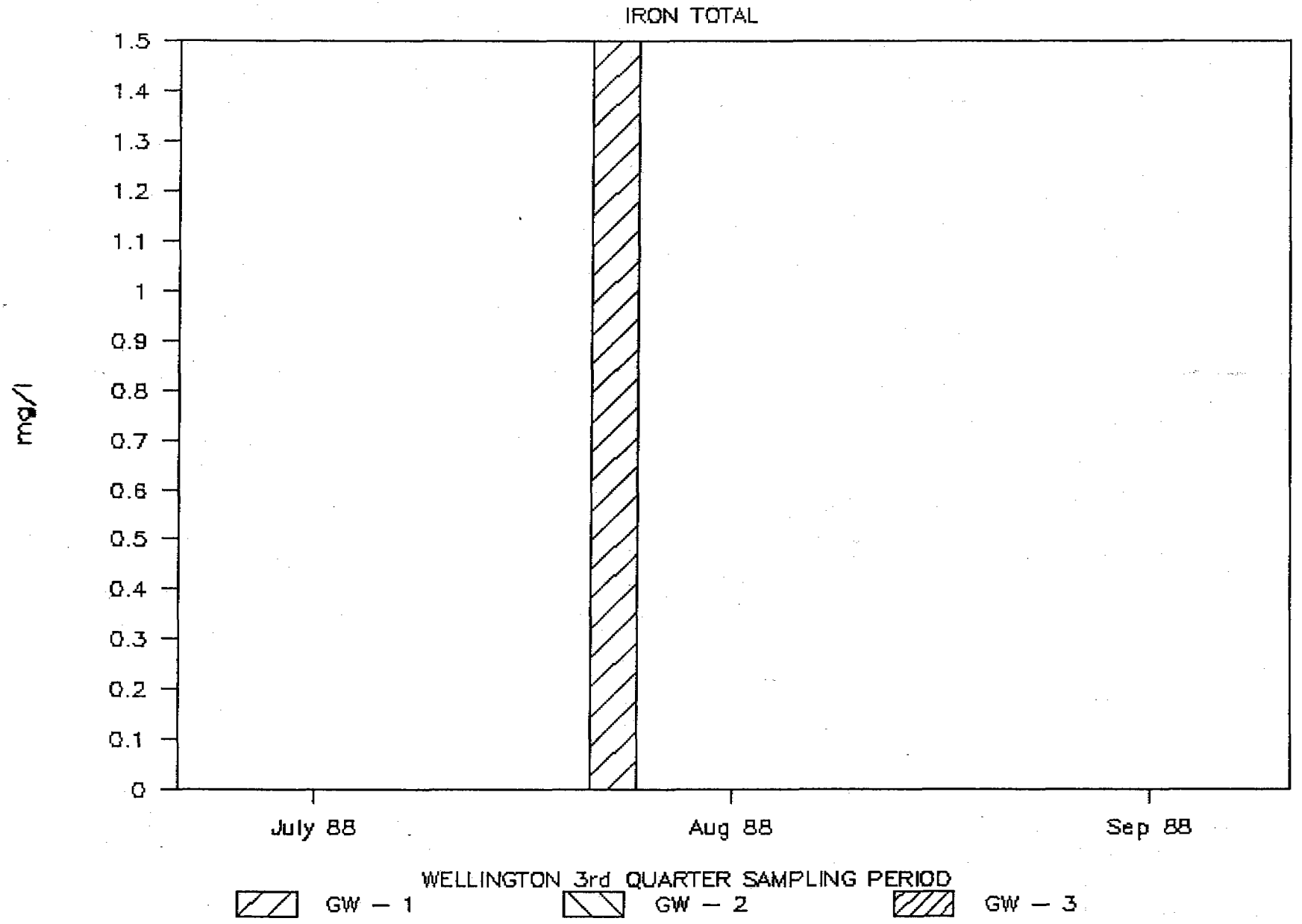

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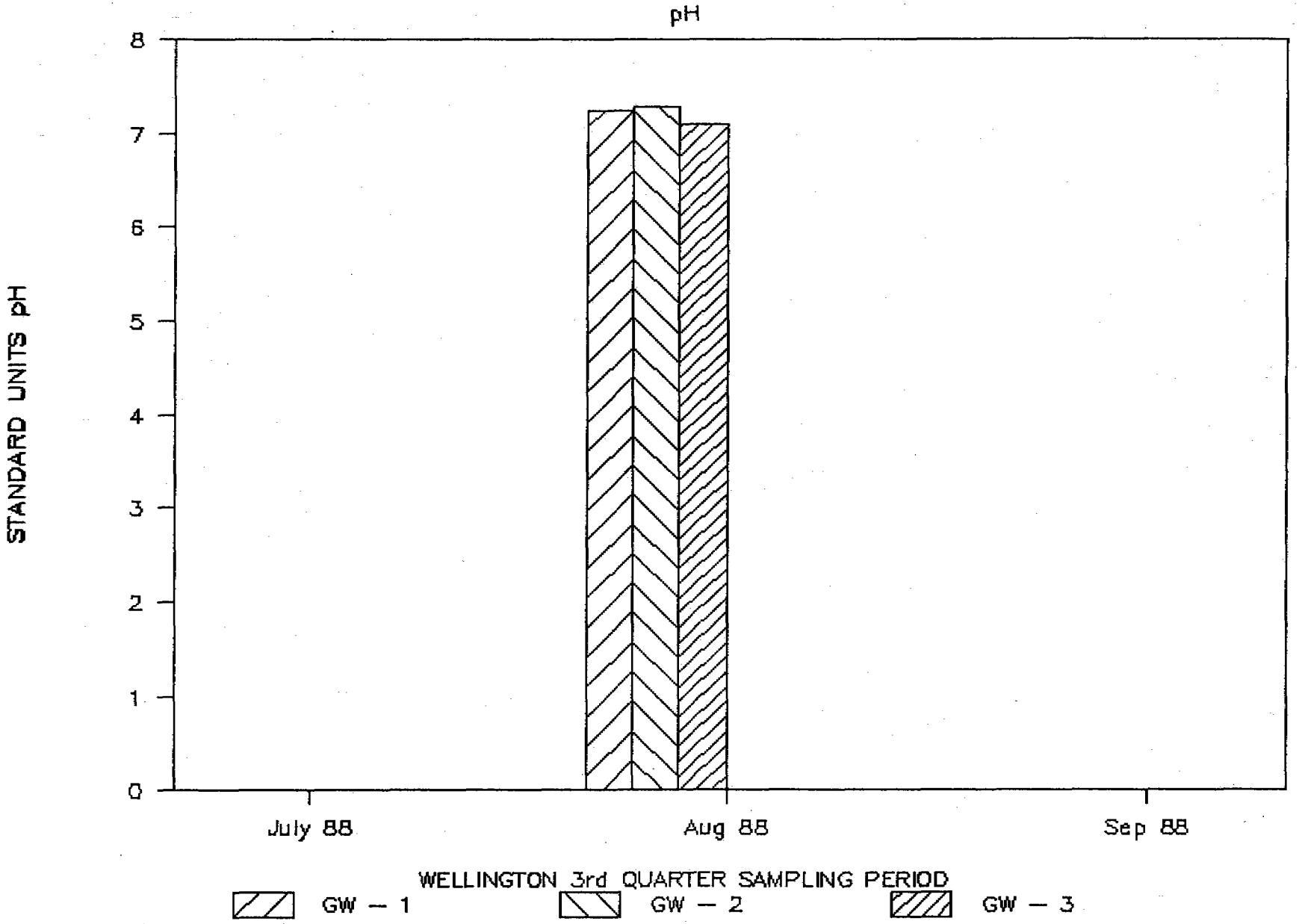

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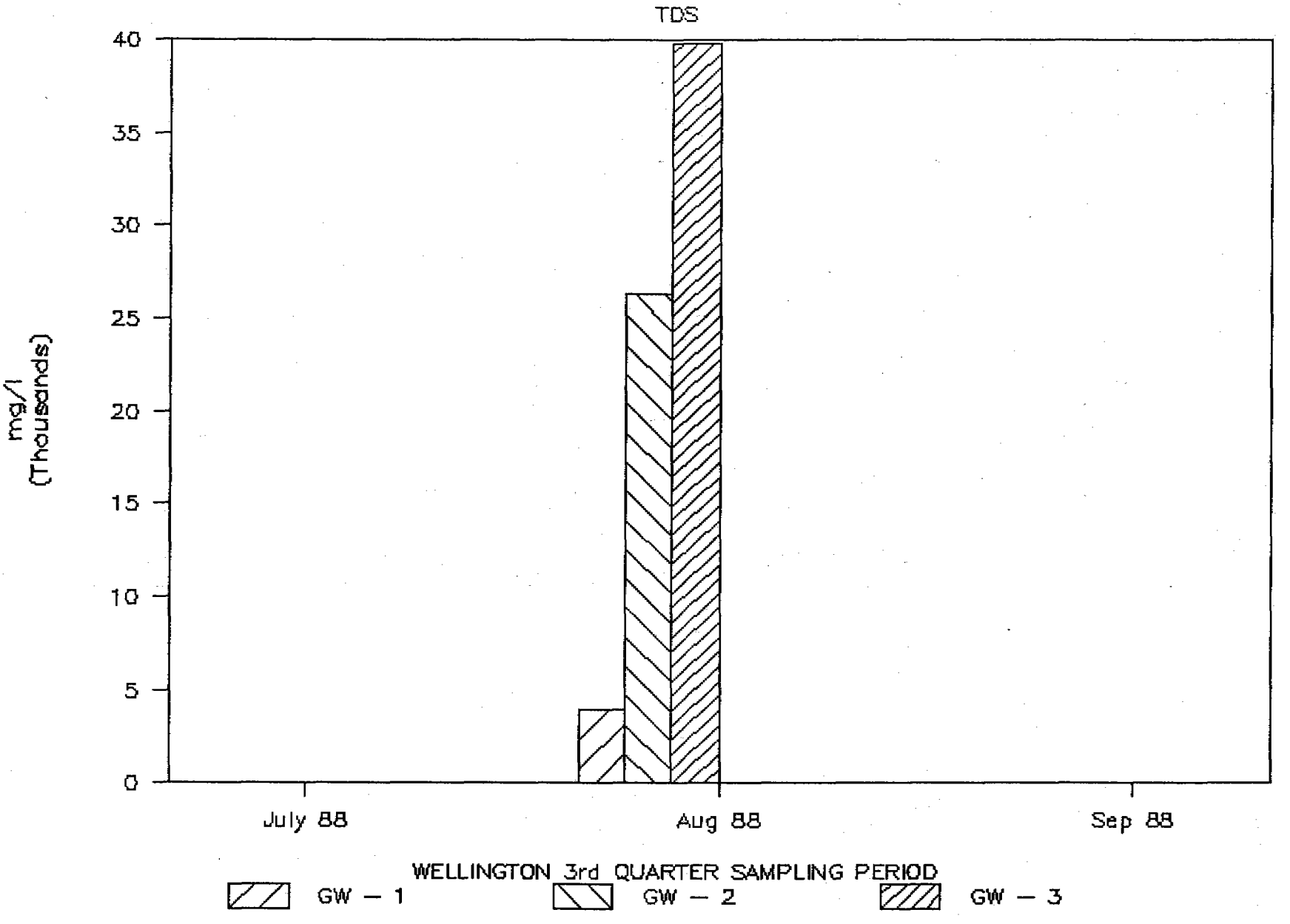

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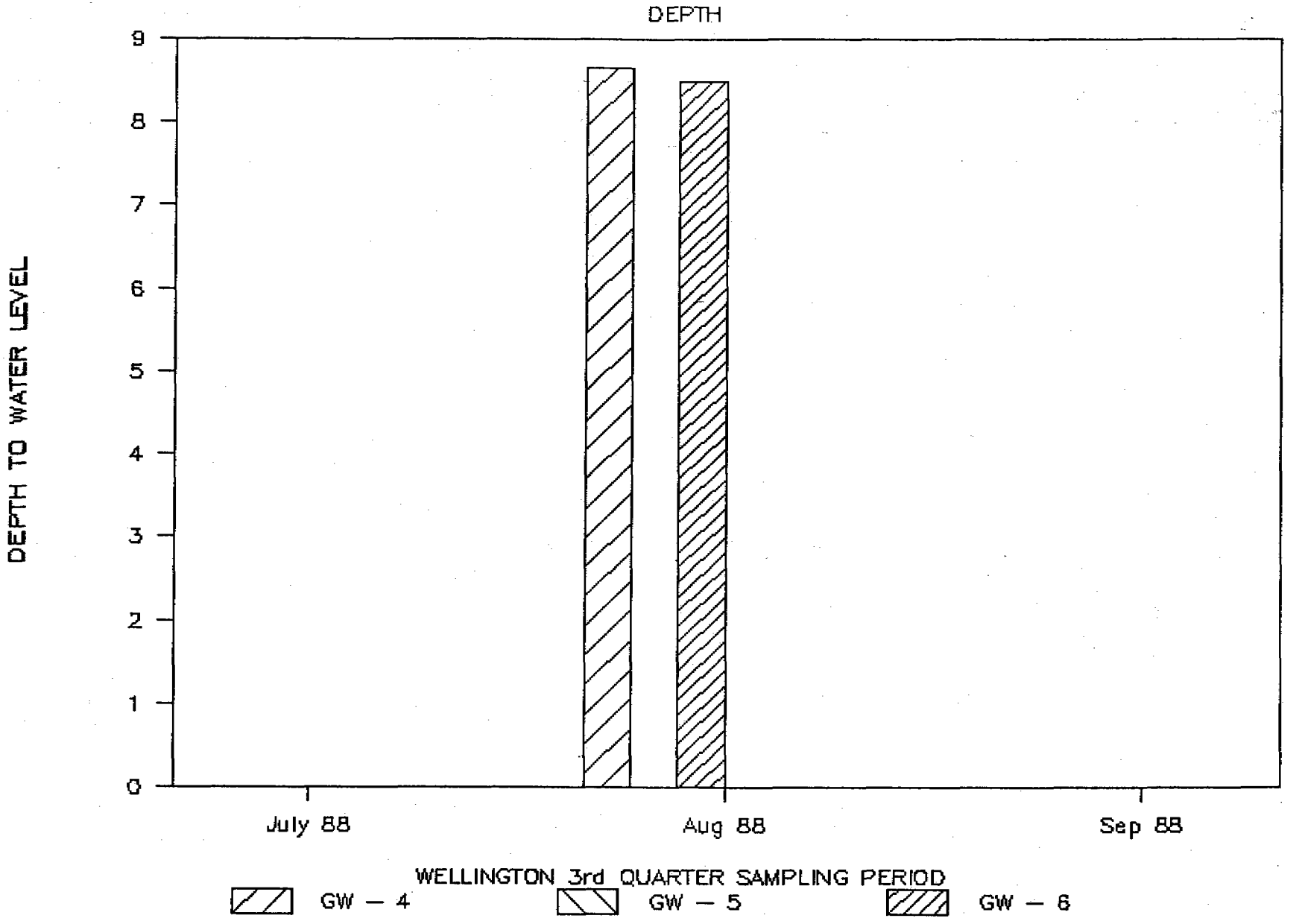

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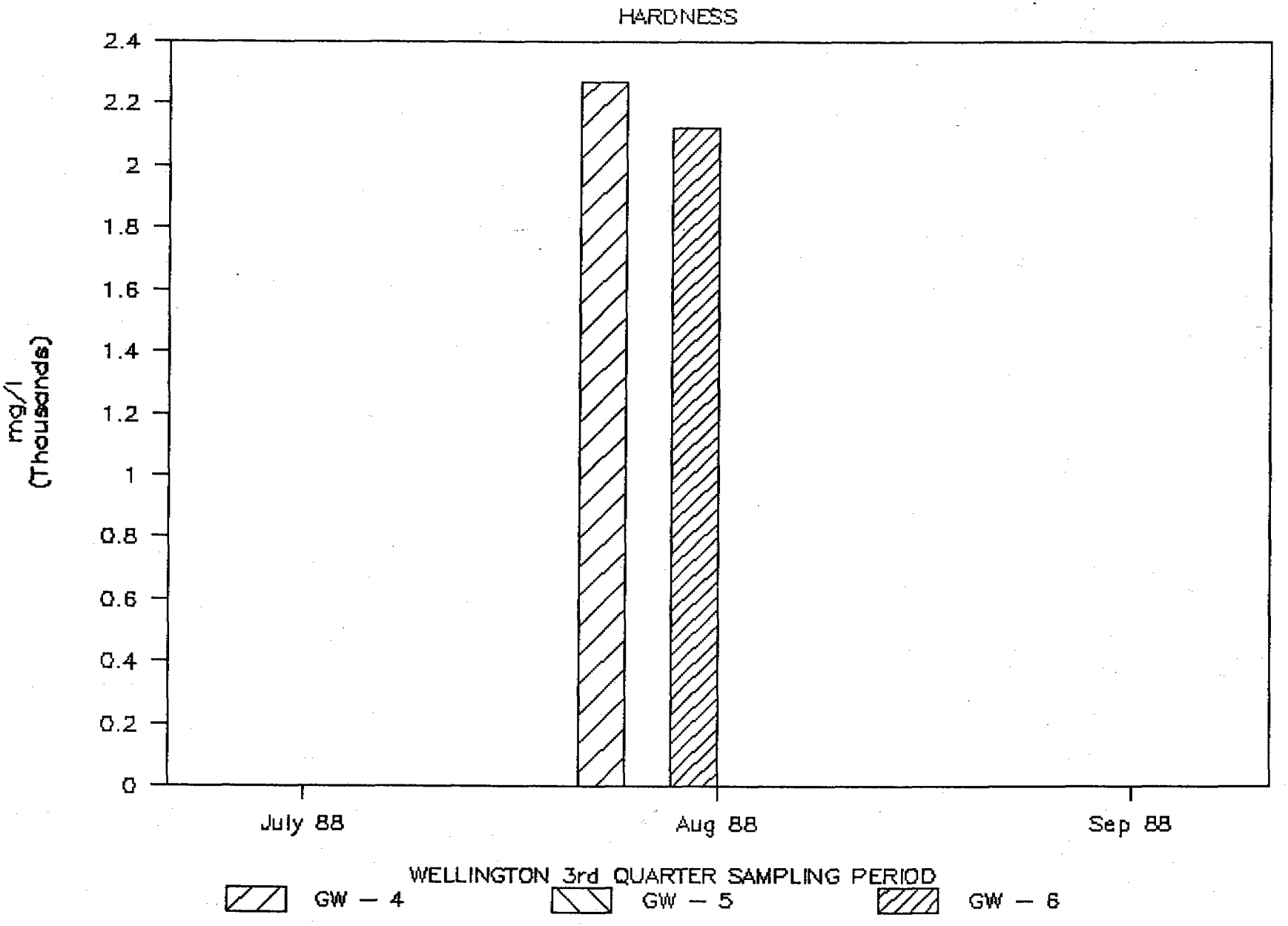

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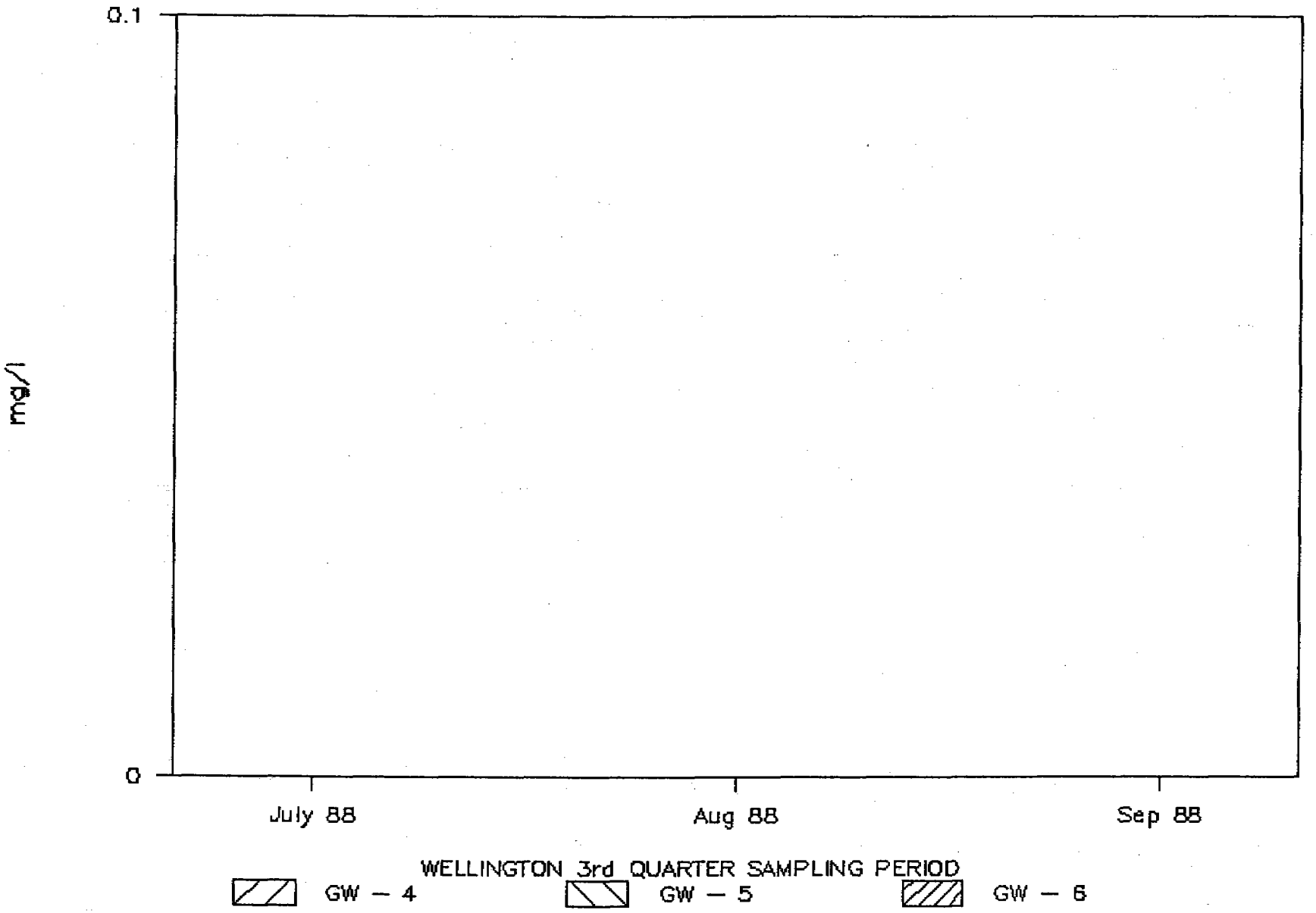

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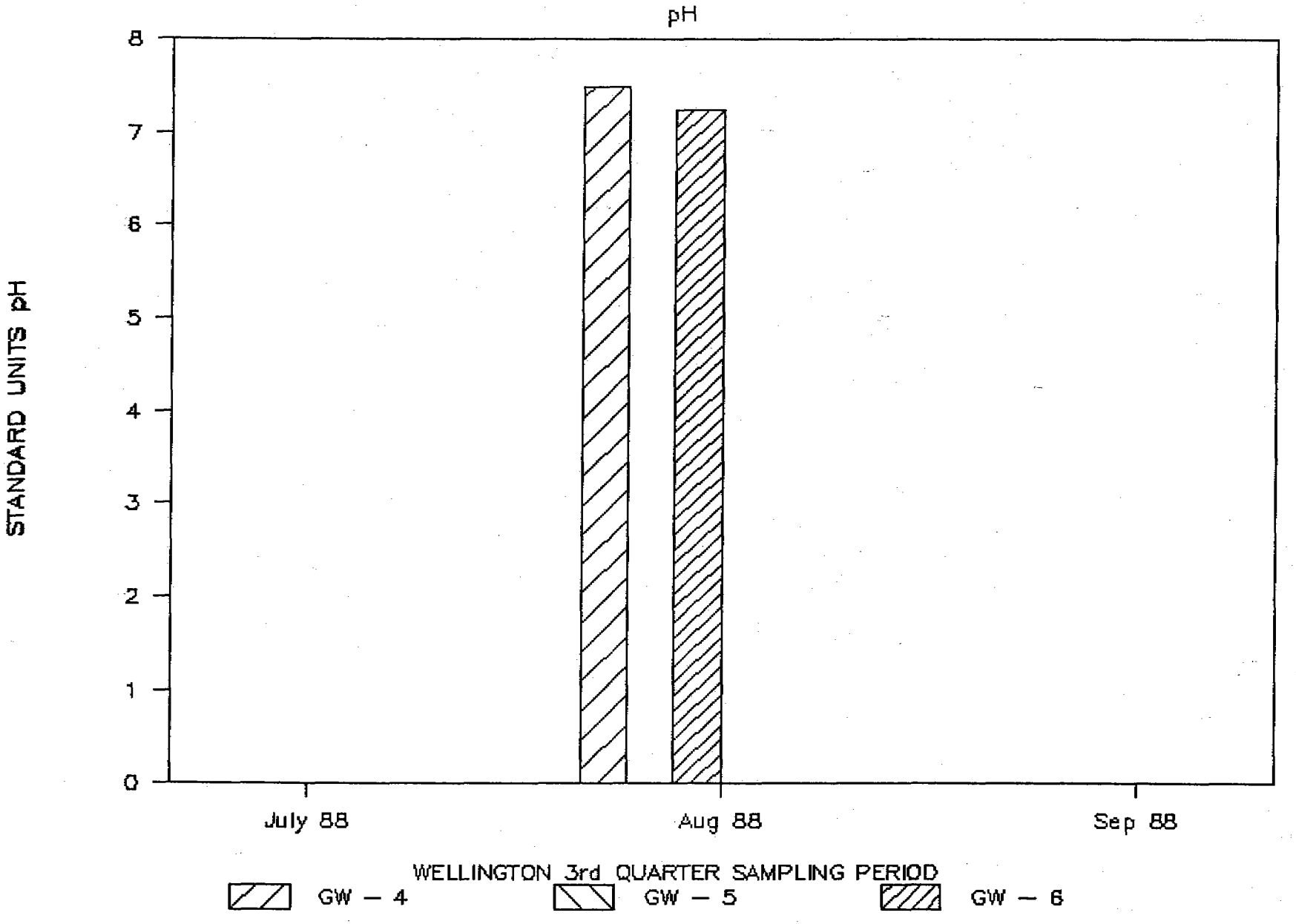

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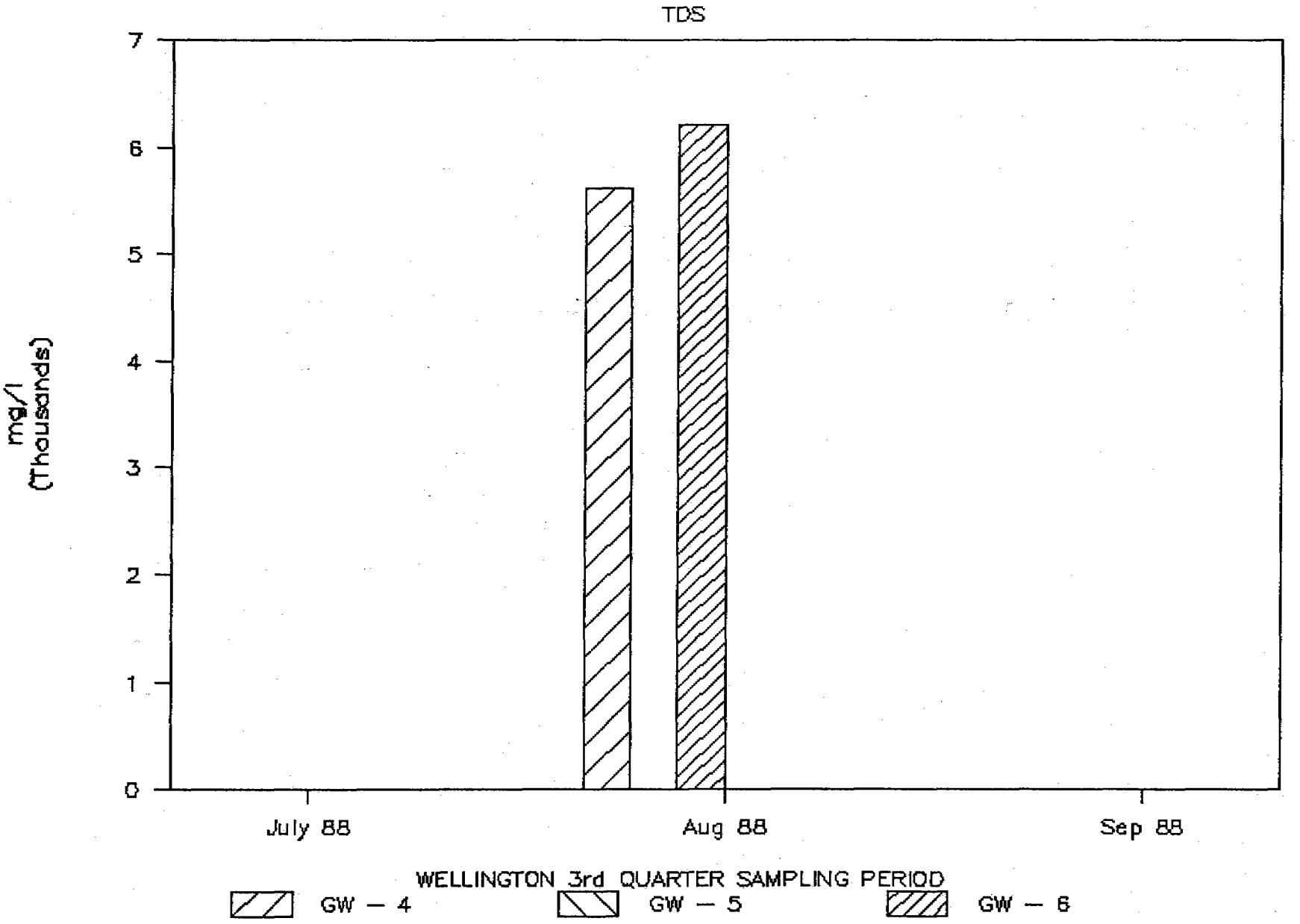

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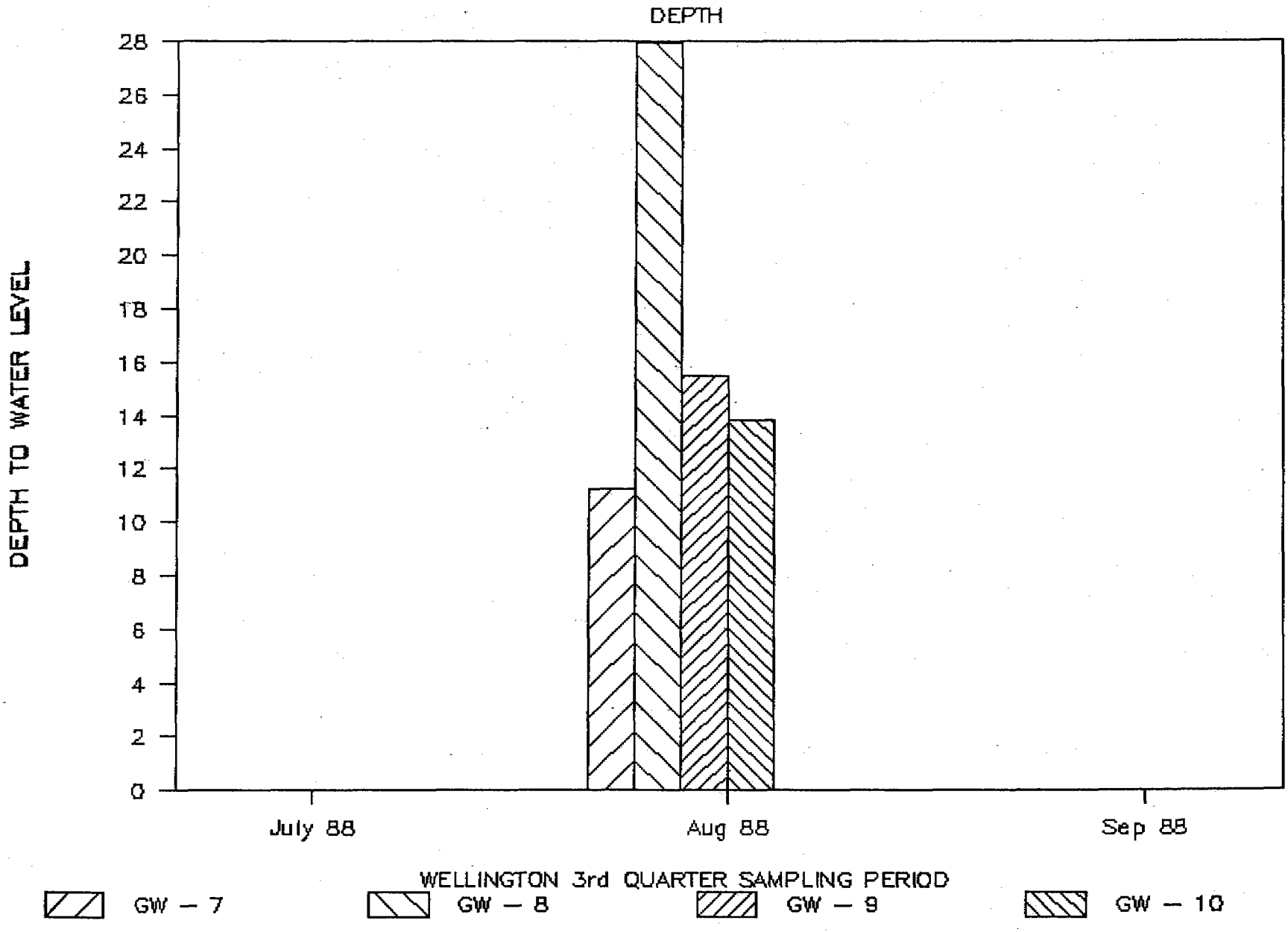

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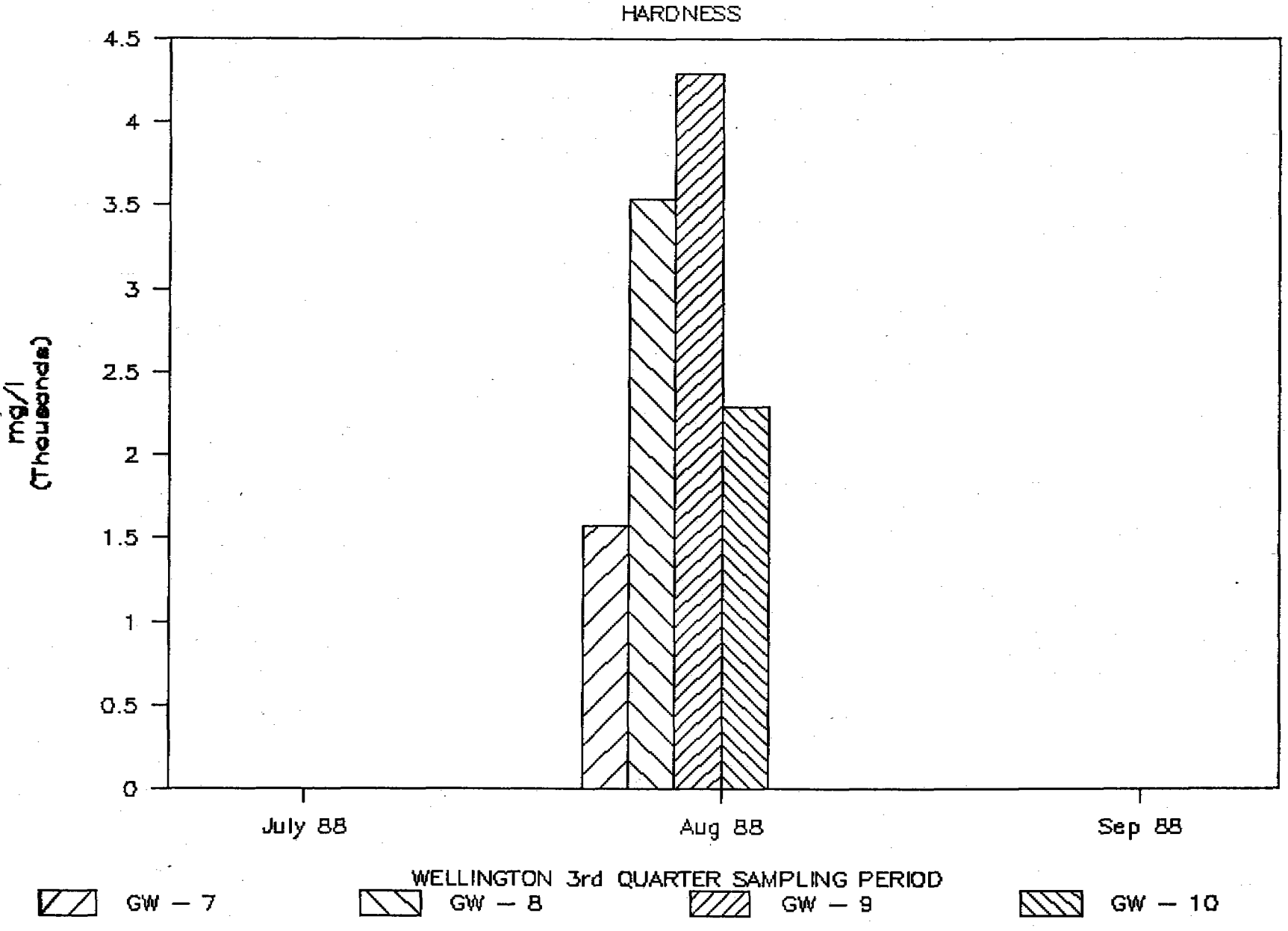
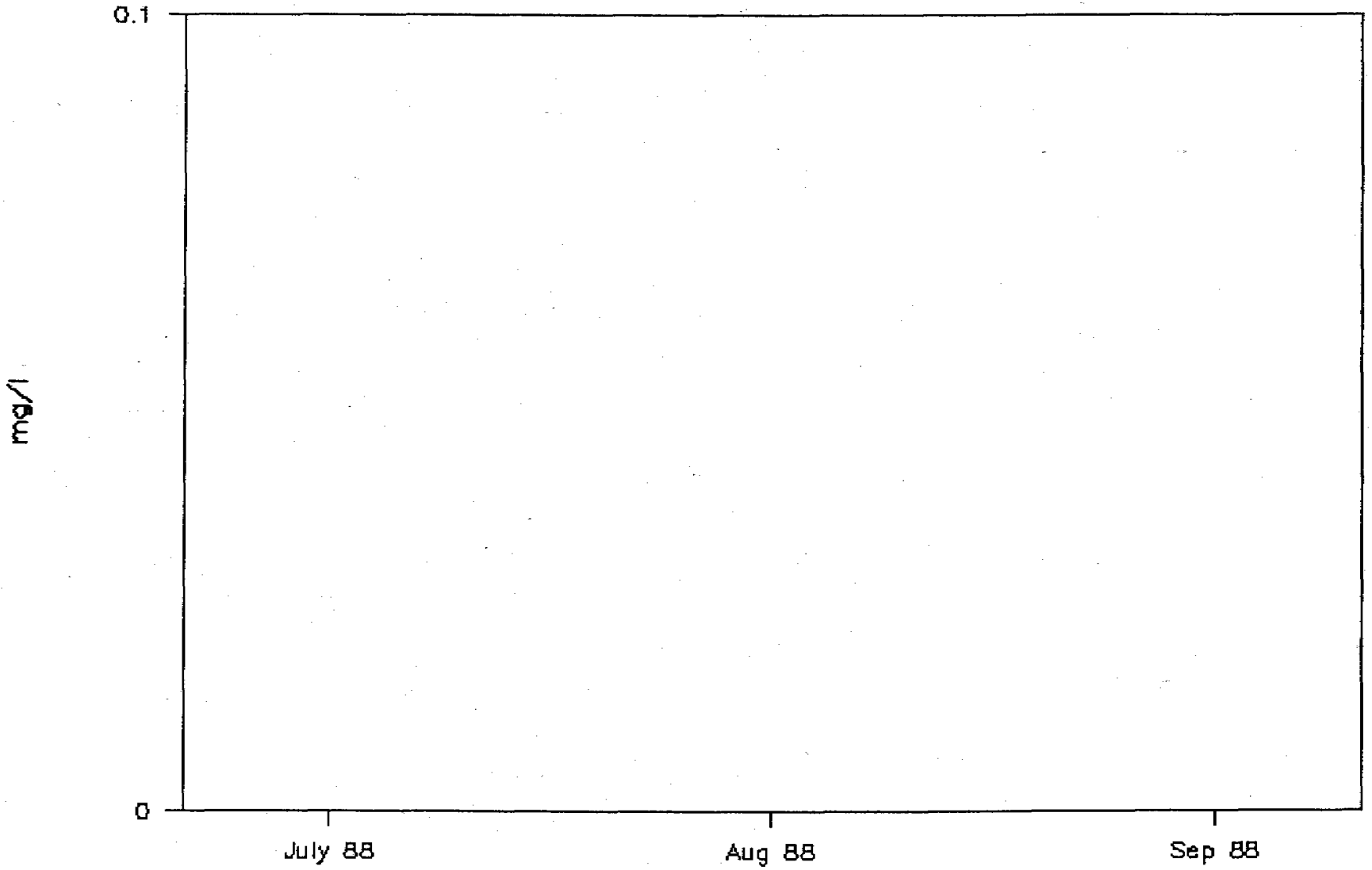


KAISER COAL CORPORATION

IRON TOTAL



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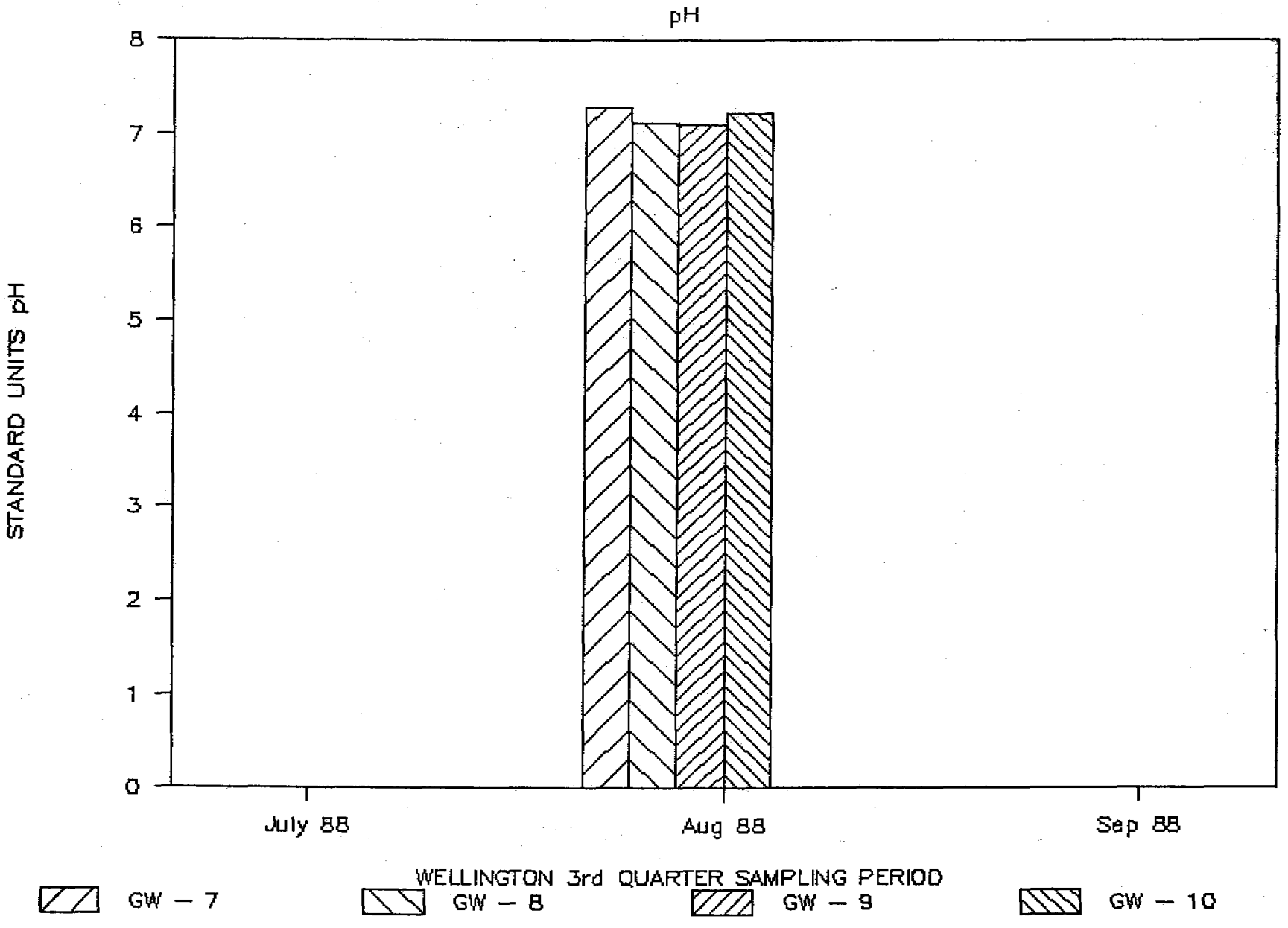

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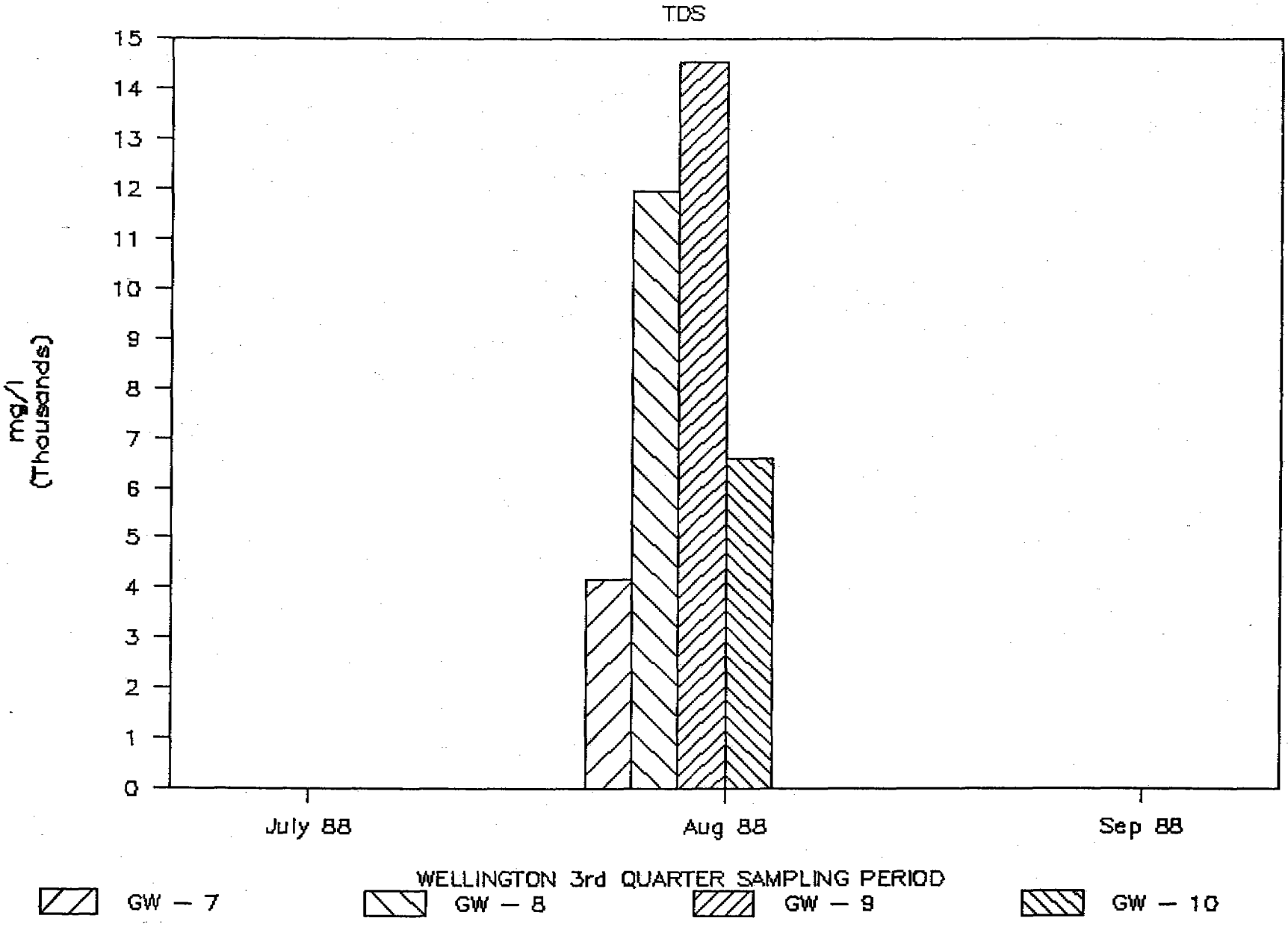

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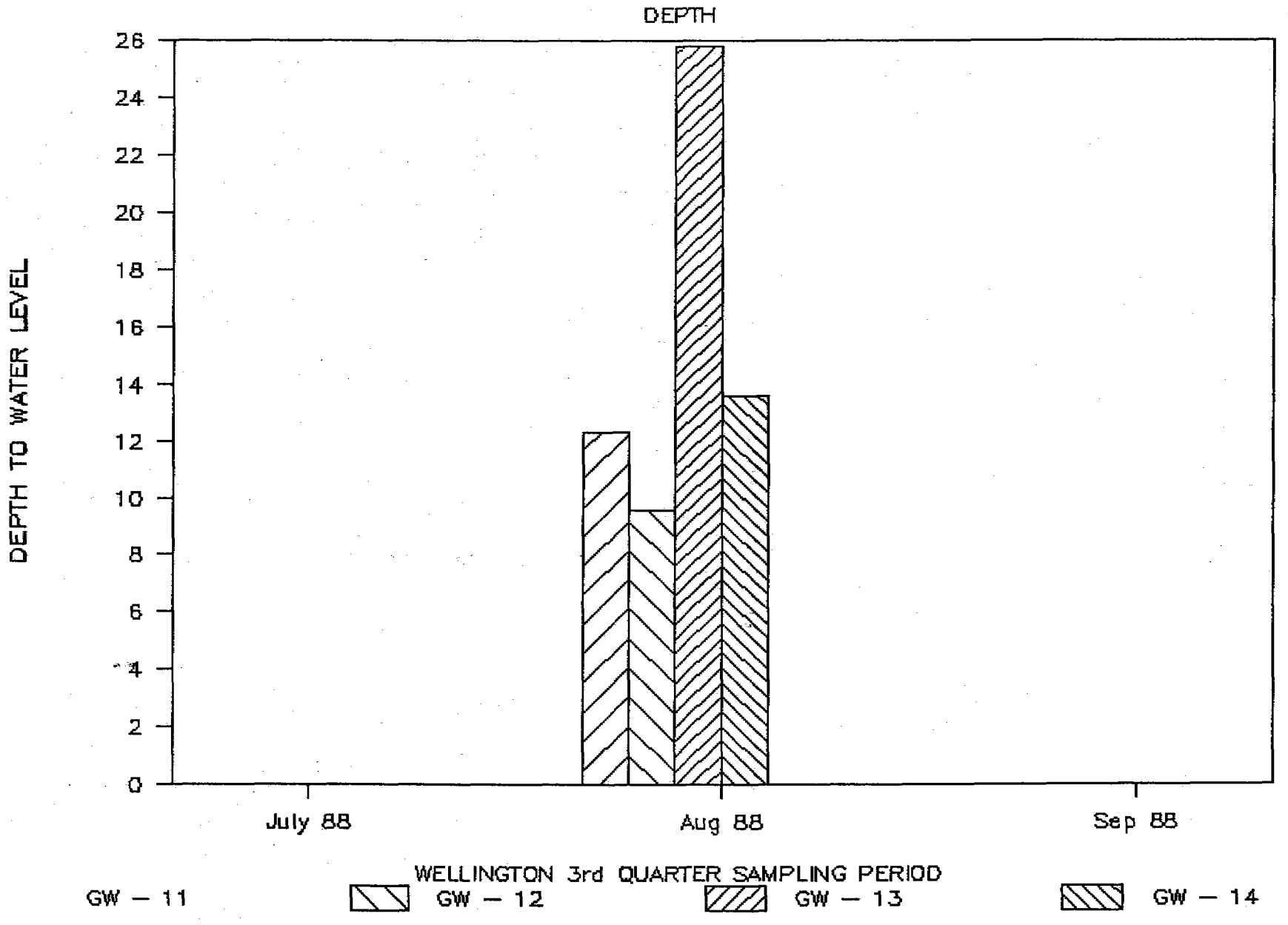

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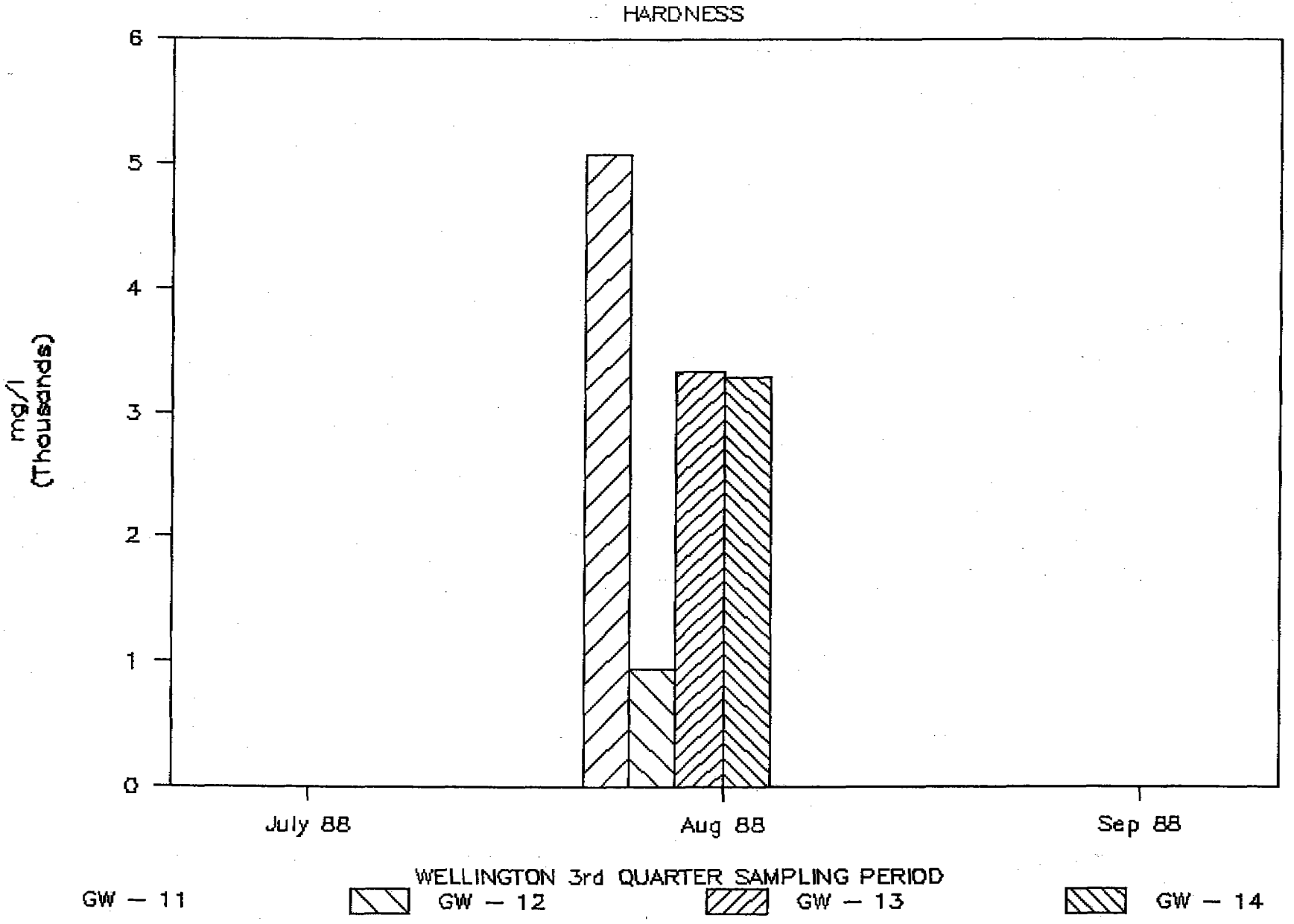
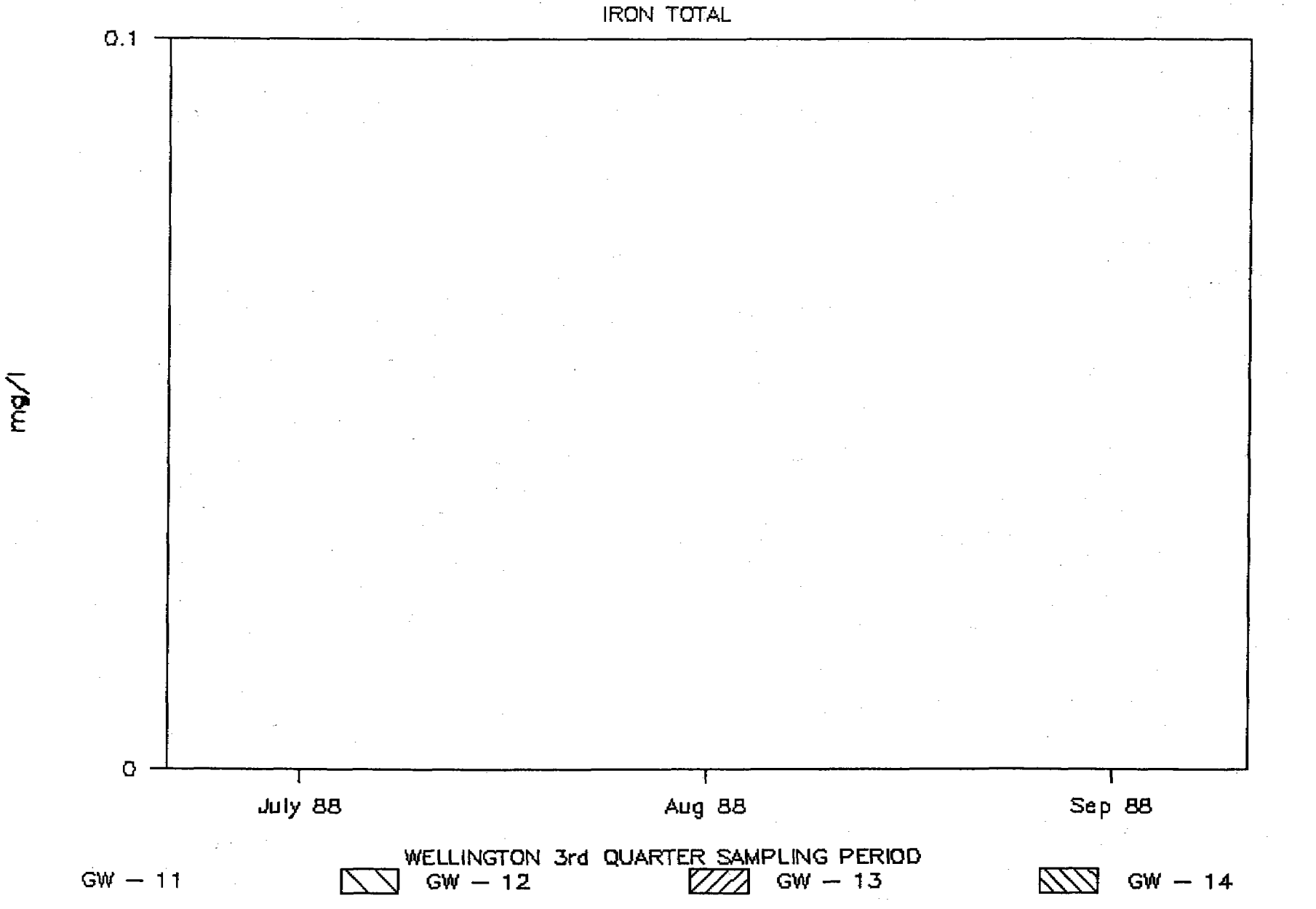


KAISER COAL CORPORATION



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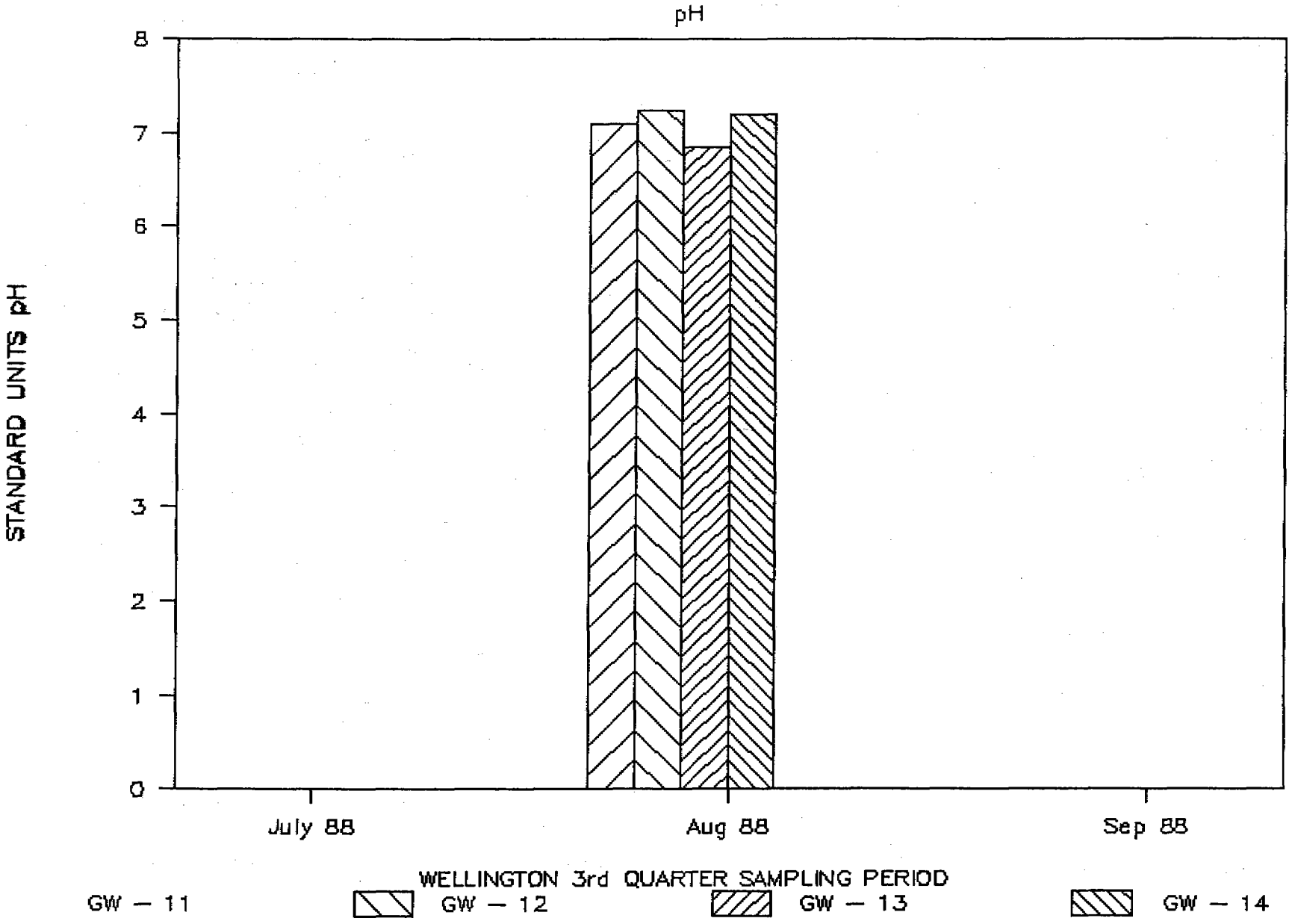

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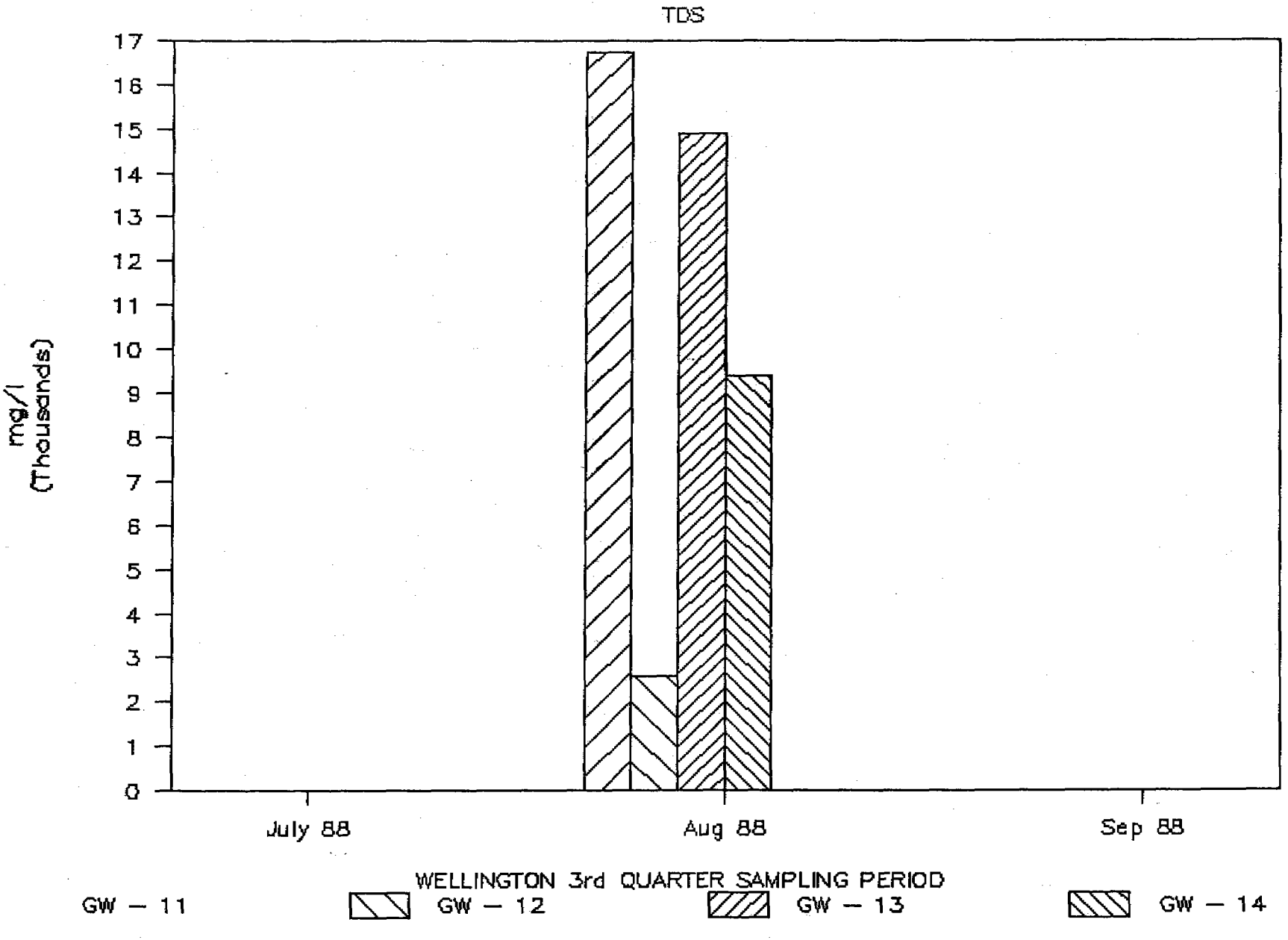

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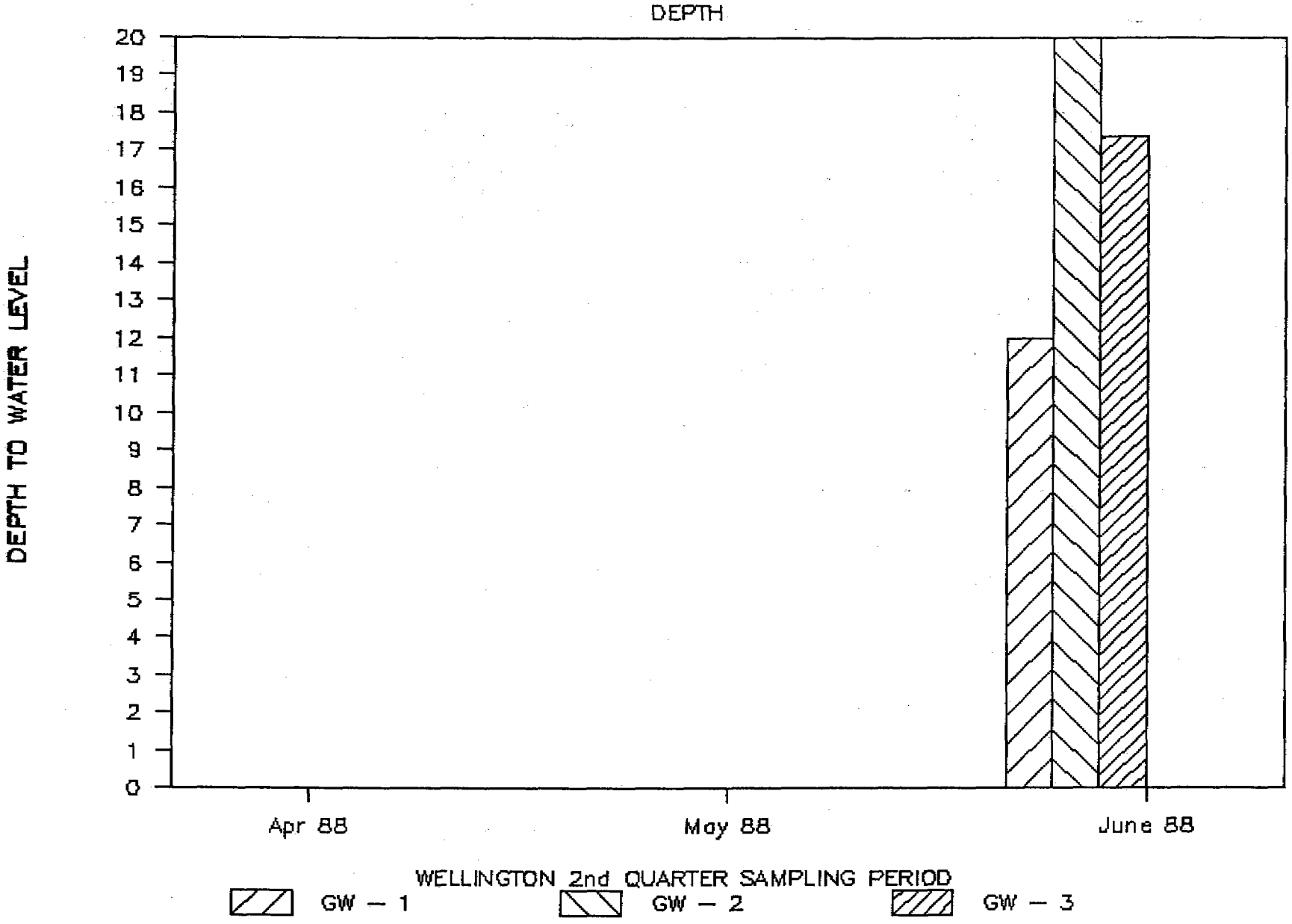

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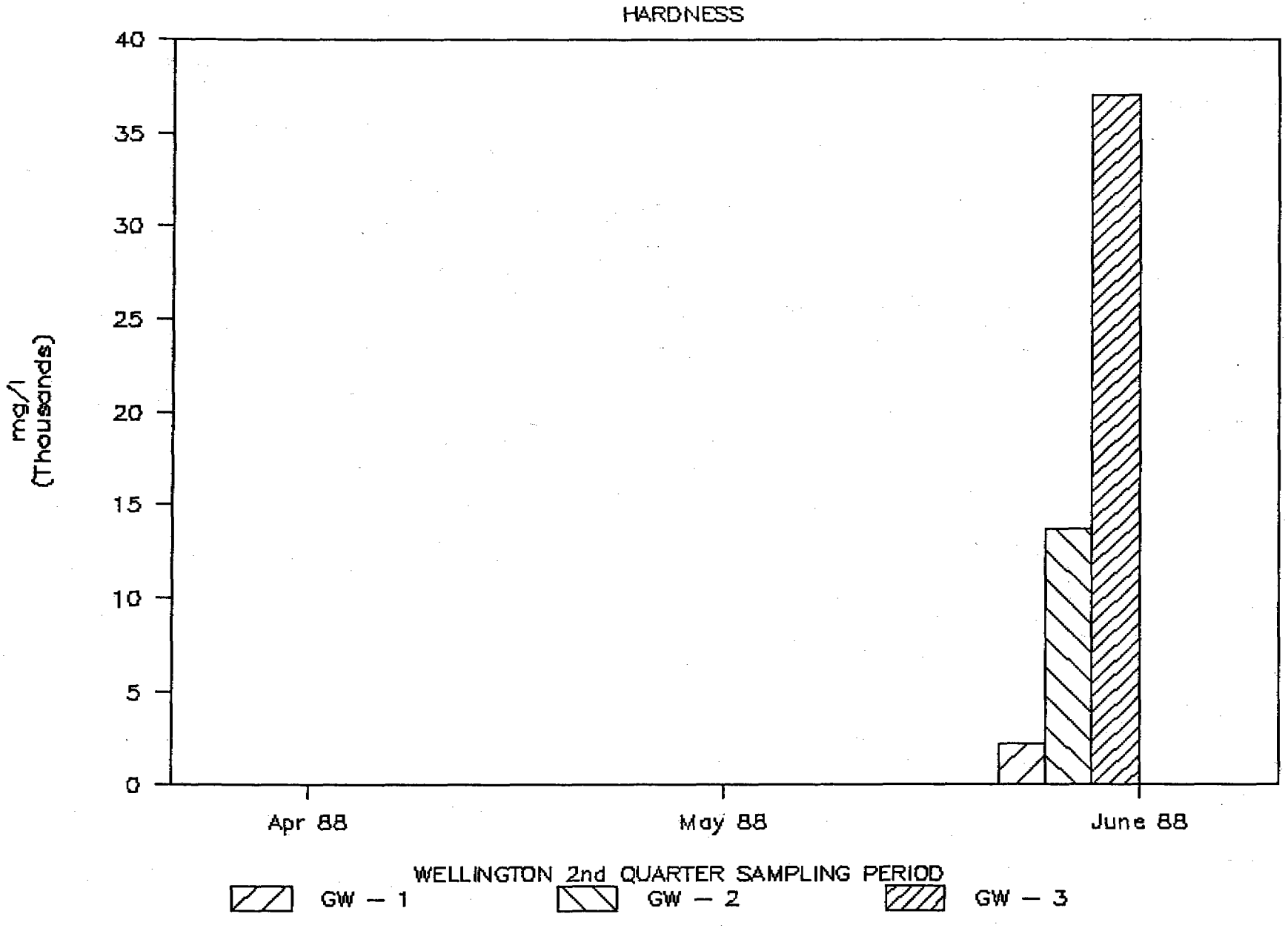

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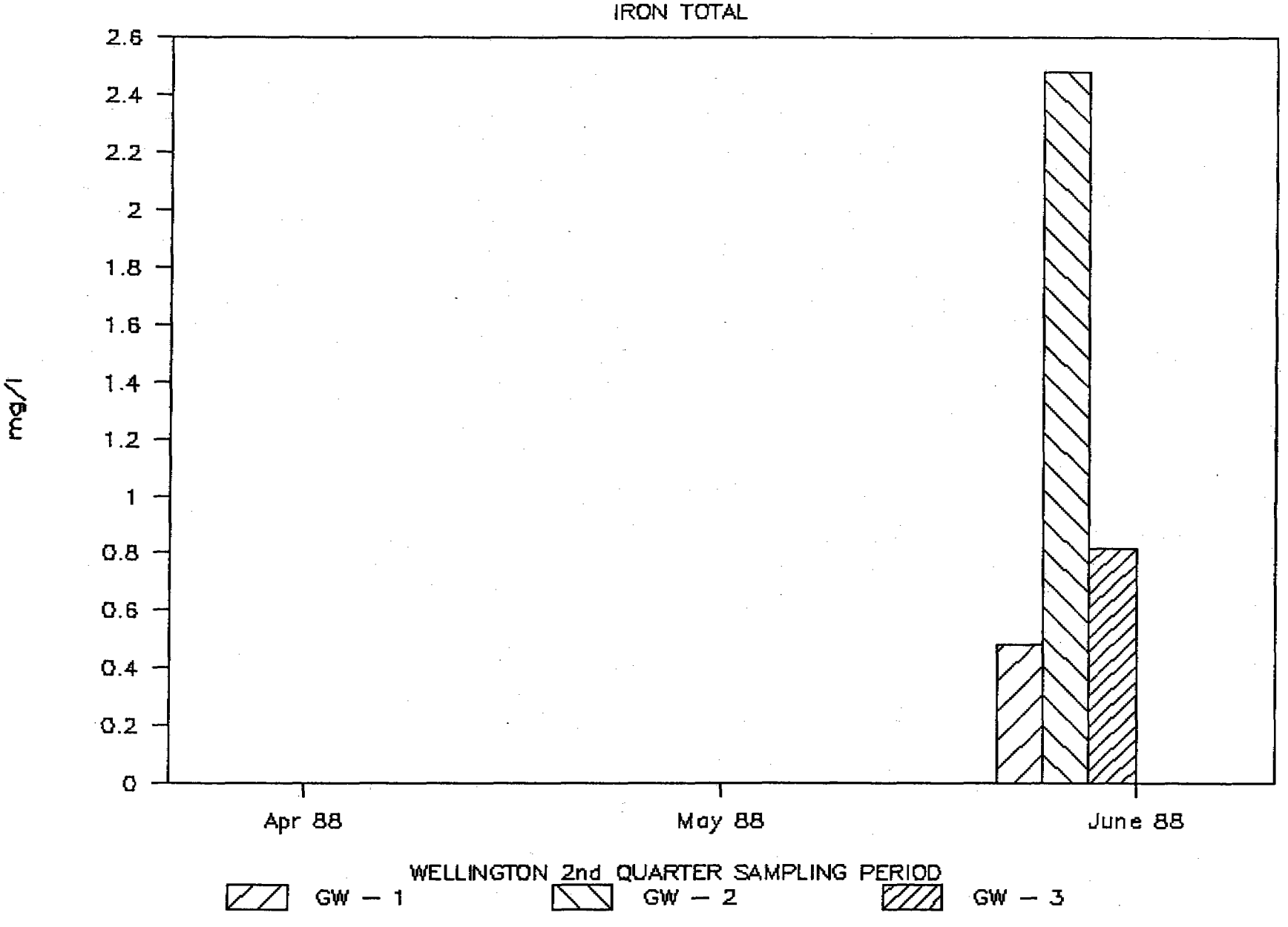

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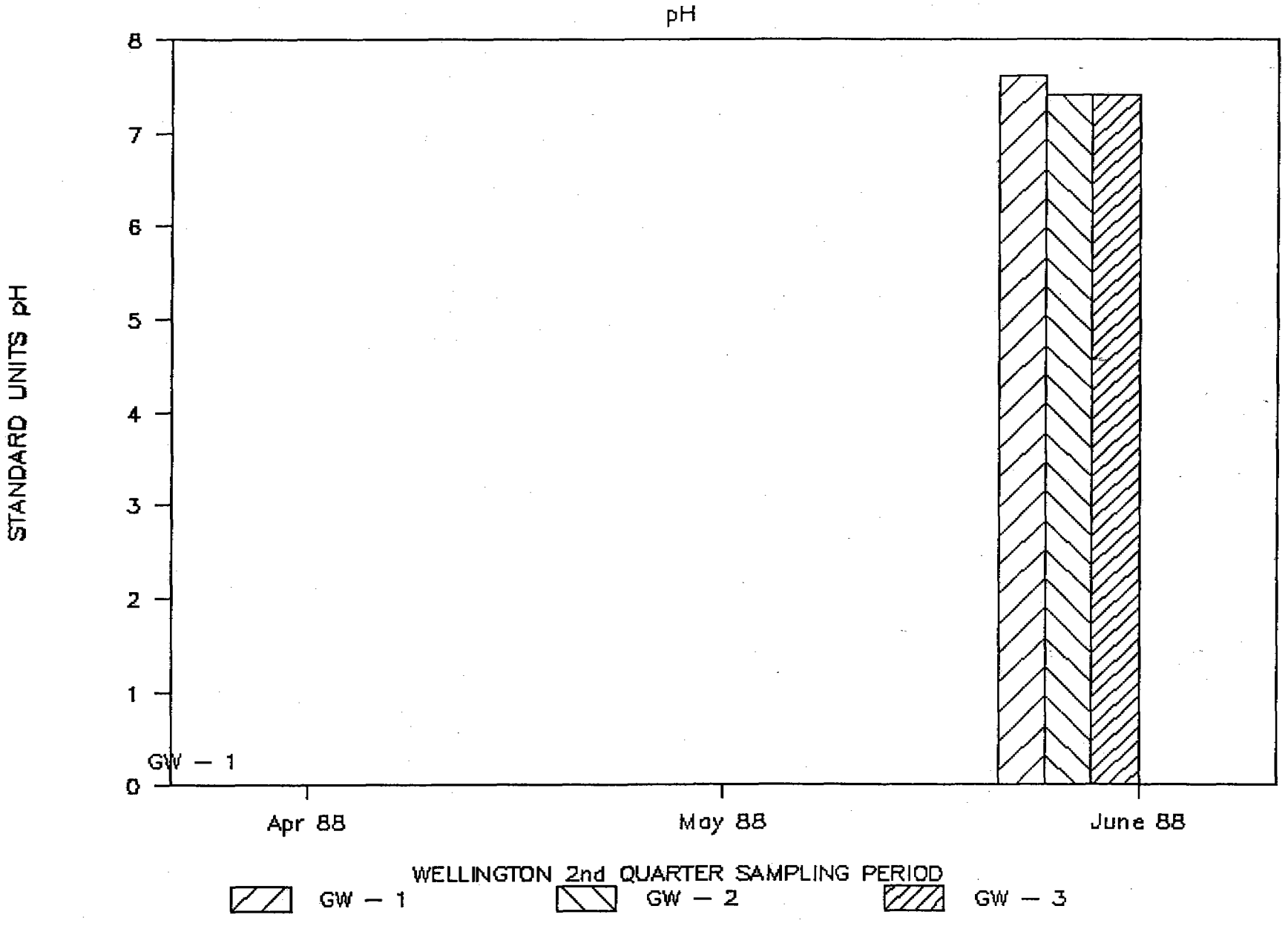

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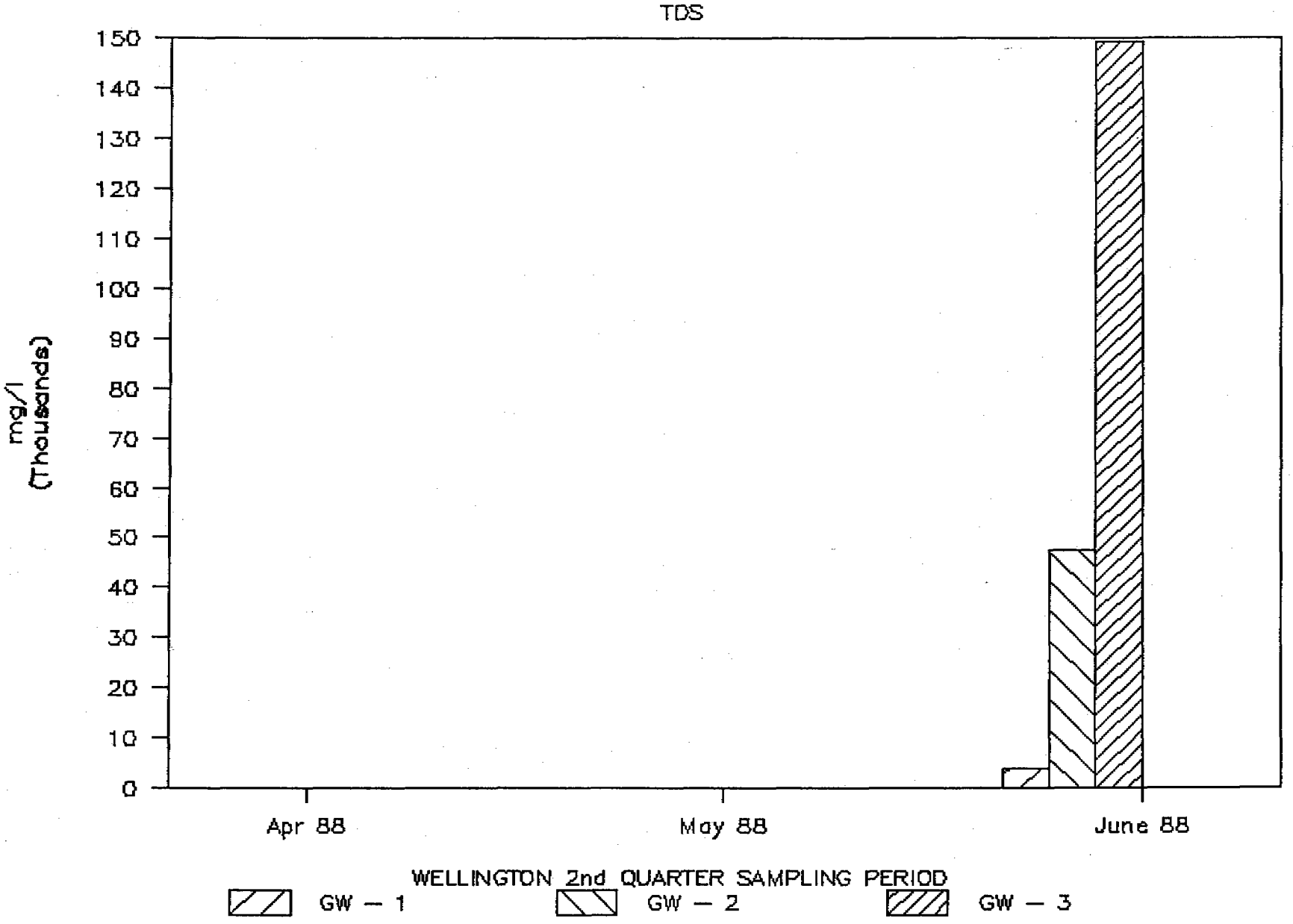

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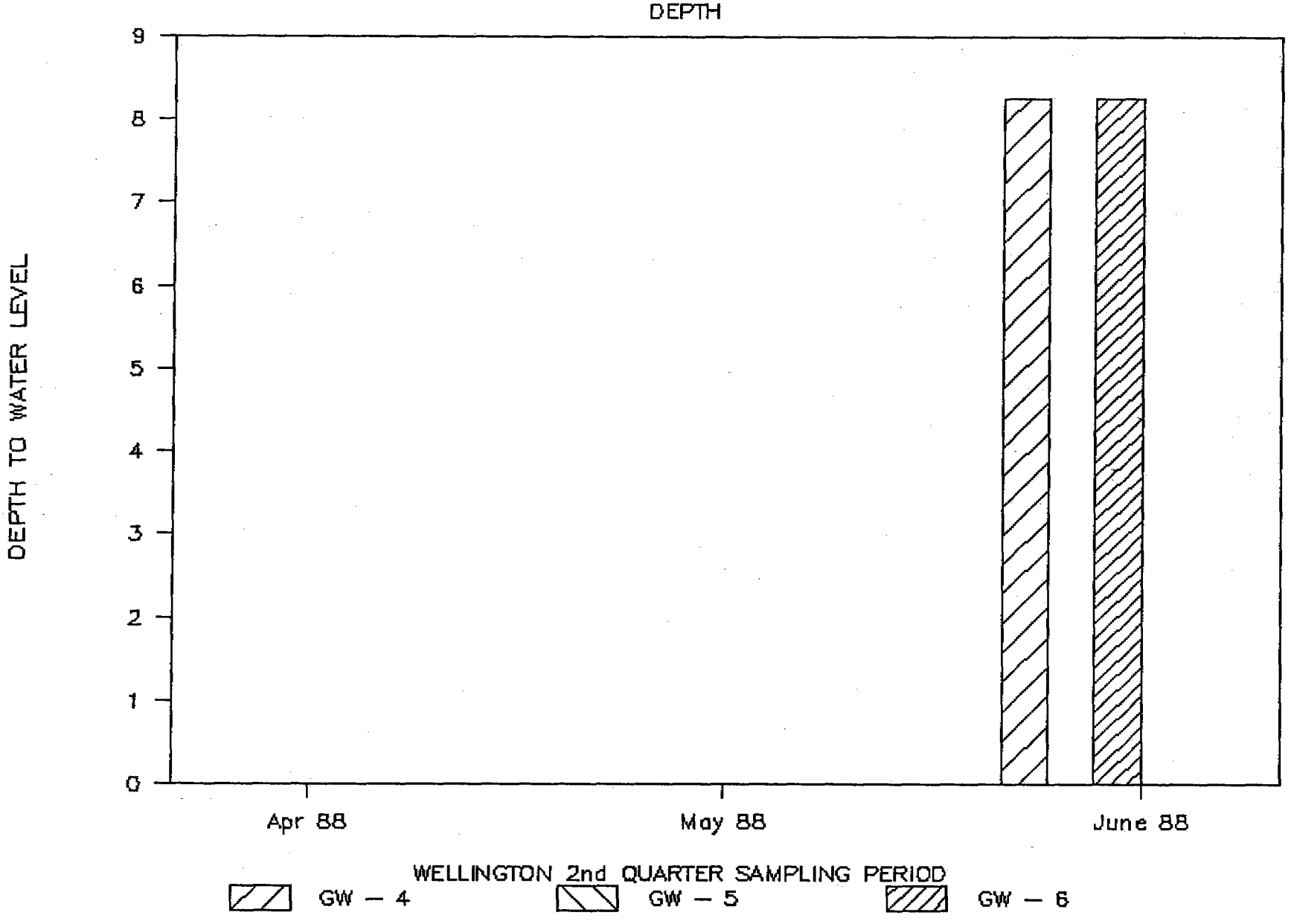

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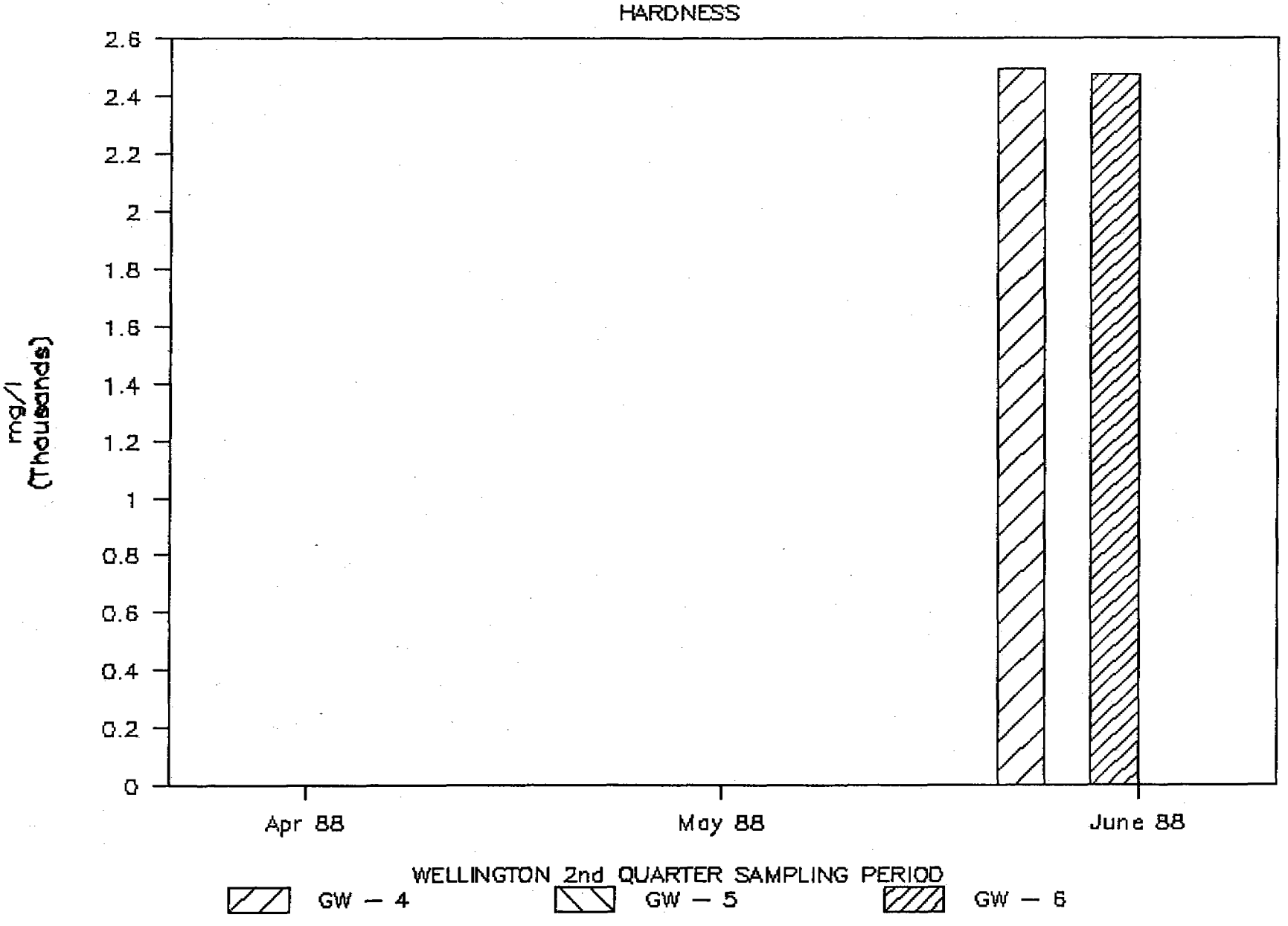
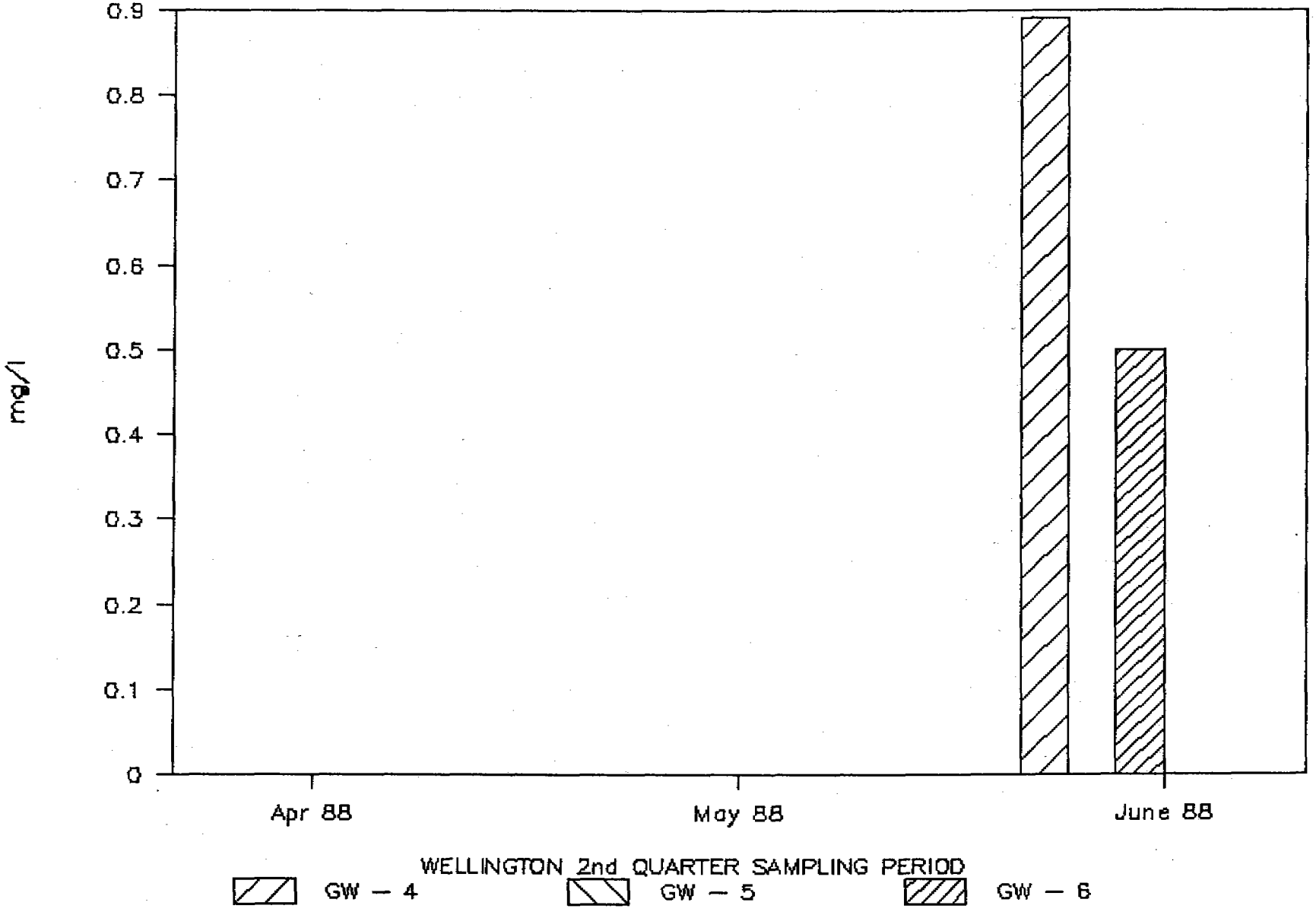


KAISER COAL CORPORATION

IRON TOTAL



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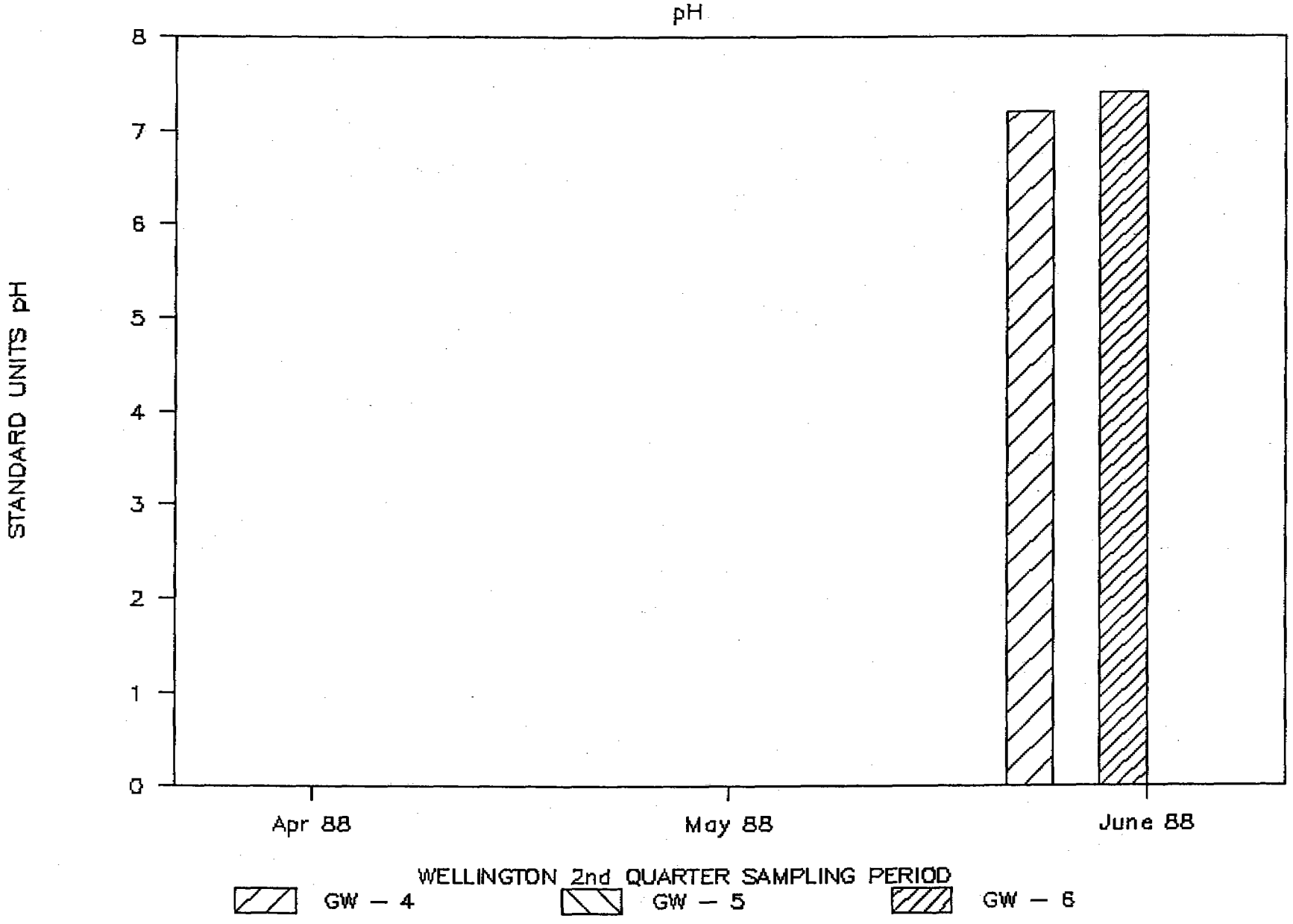

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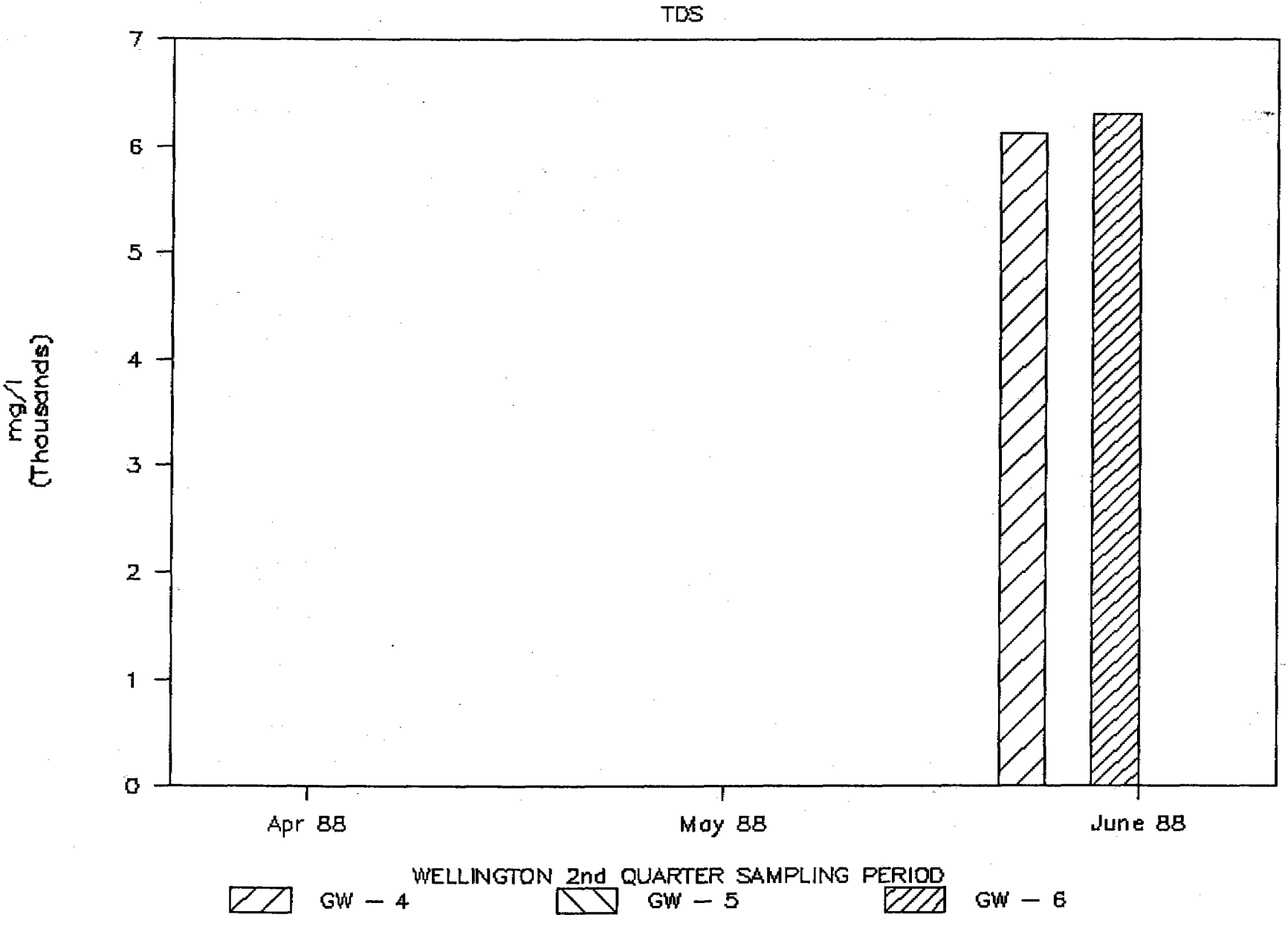

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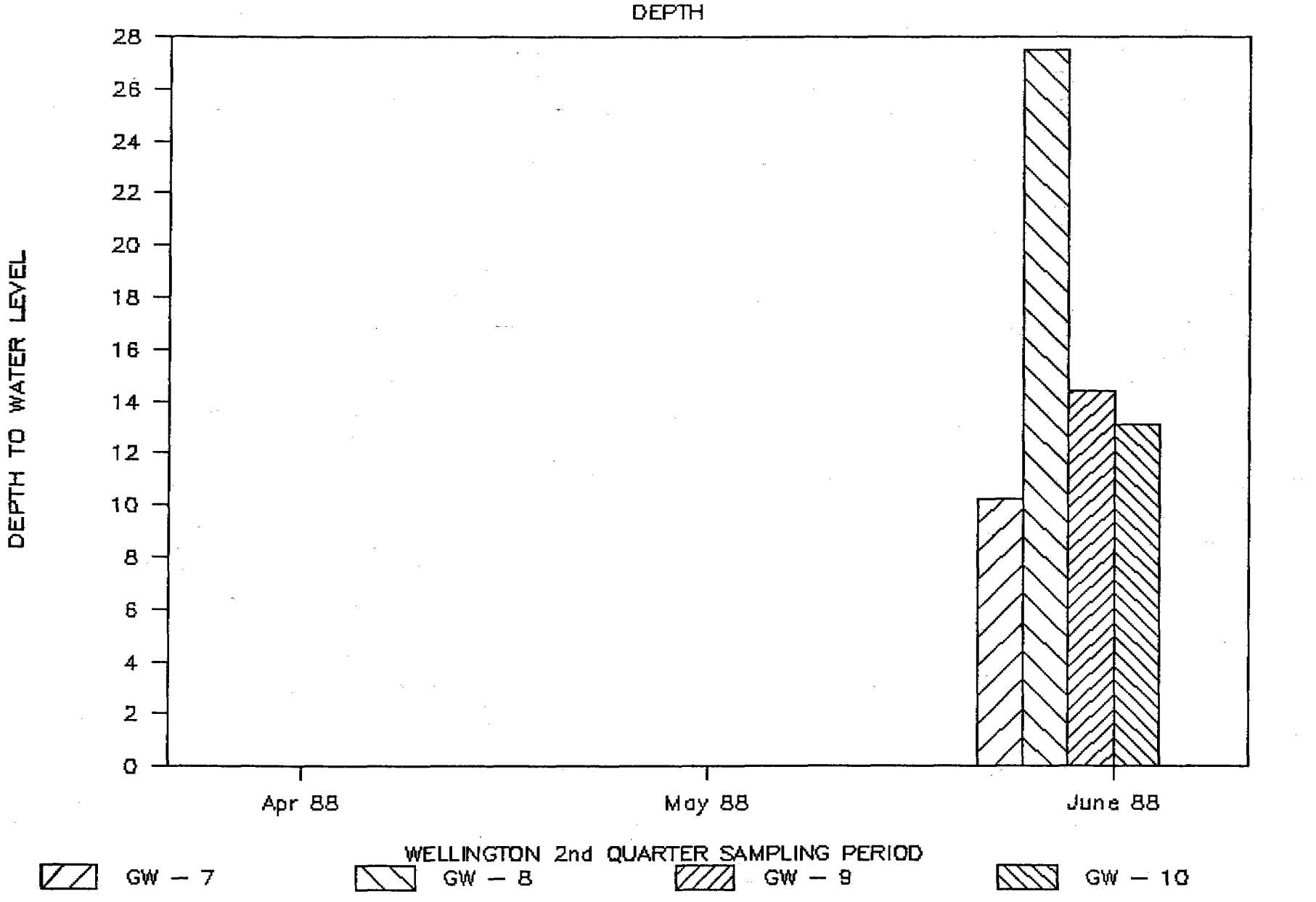
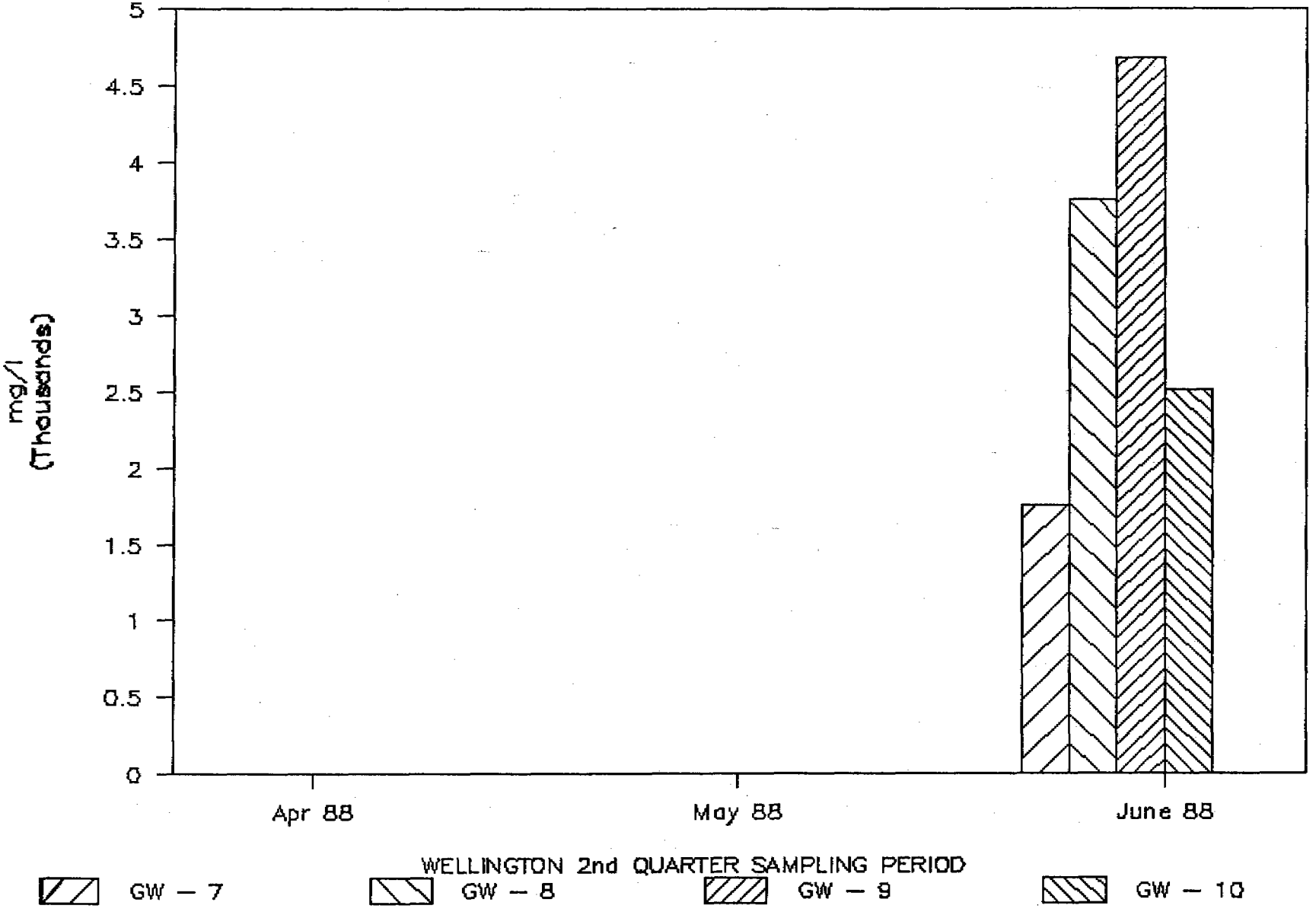
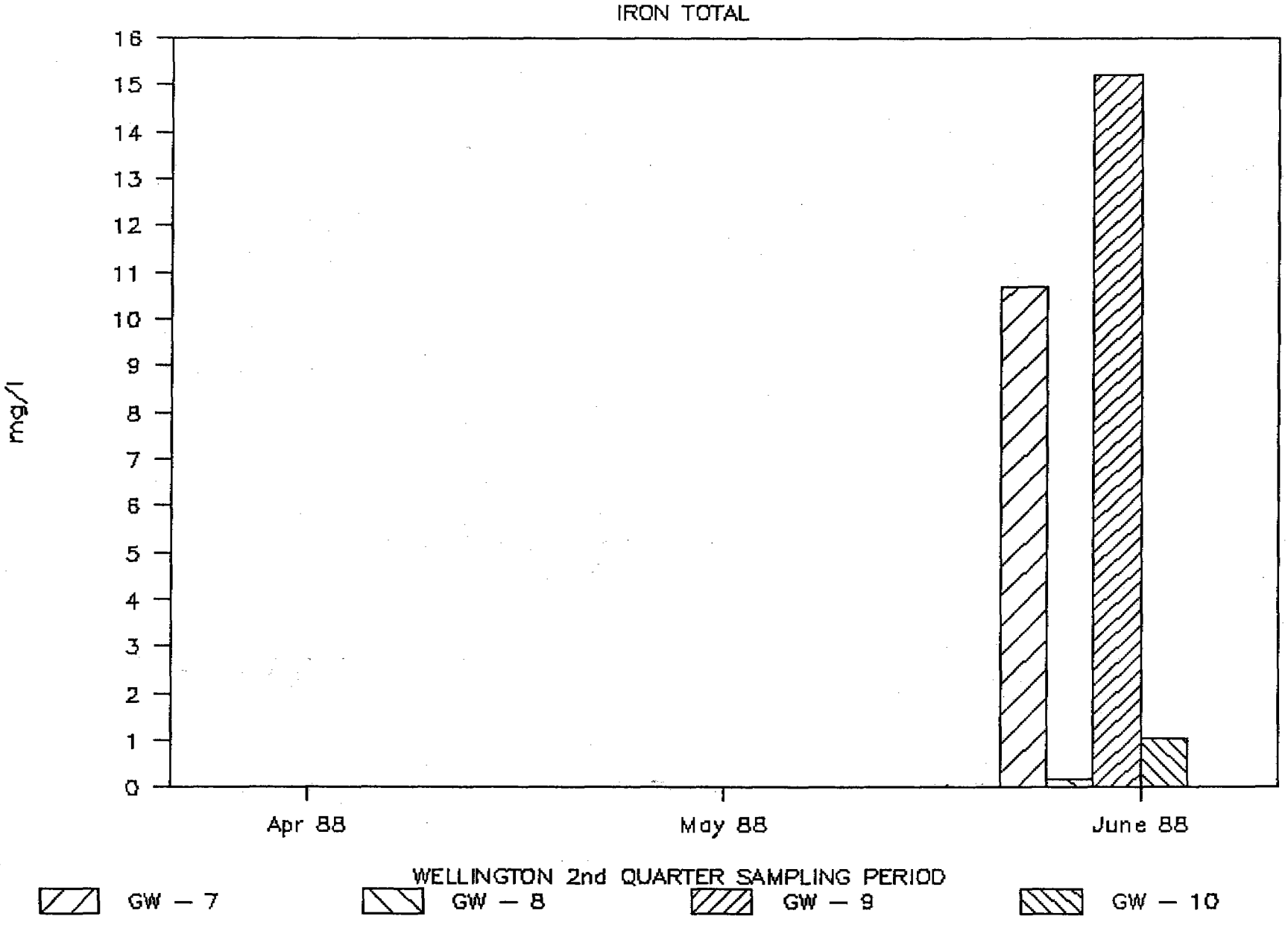


KAISER COAL CORPORATION

HARDNESS



KAISER COAL CORPORATION



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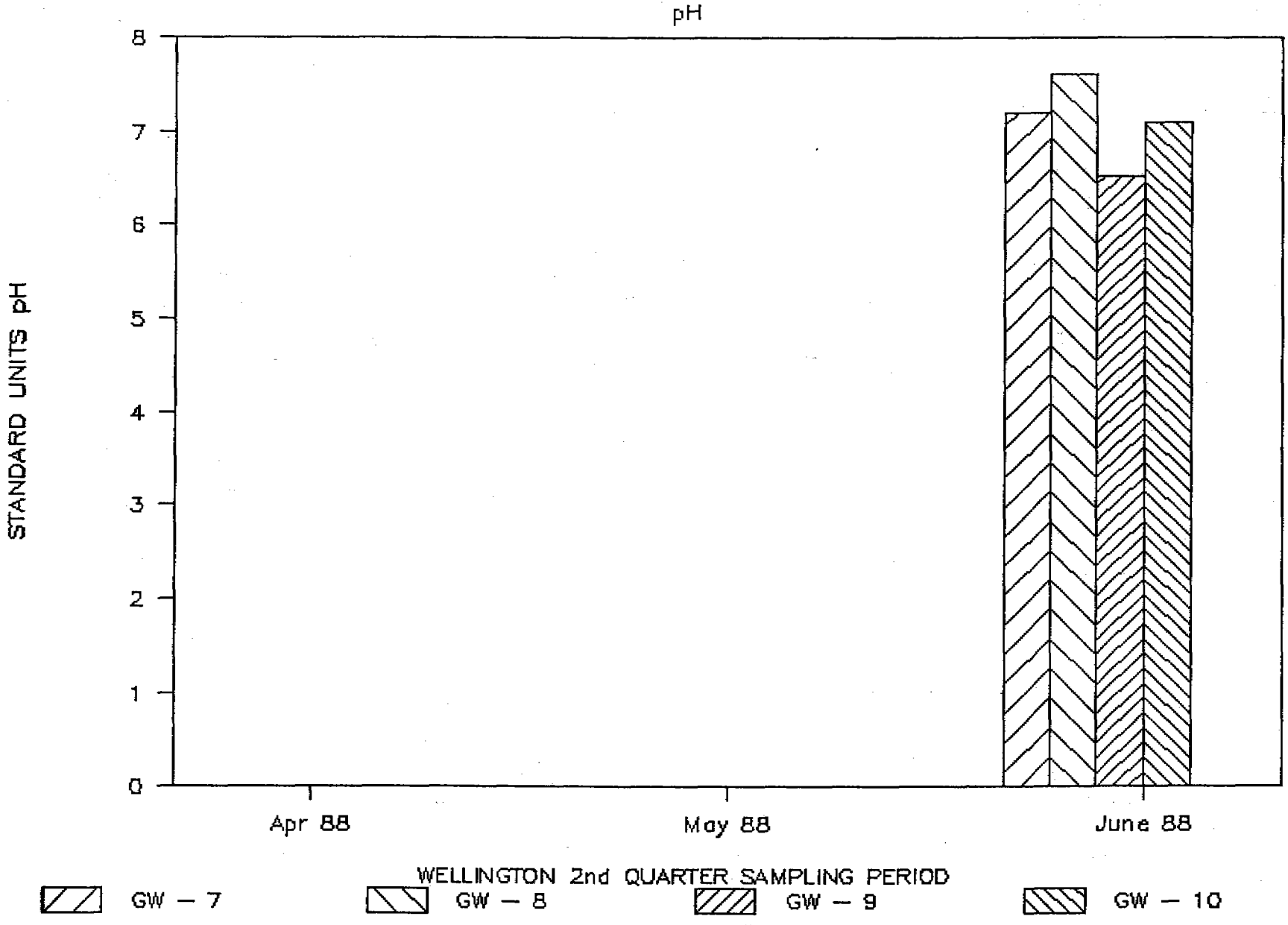

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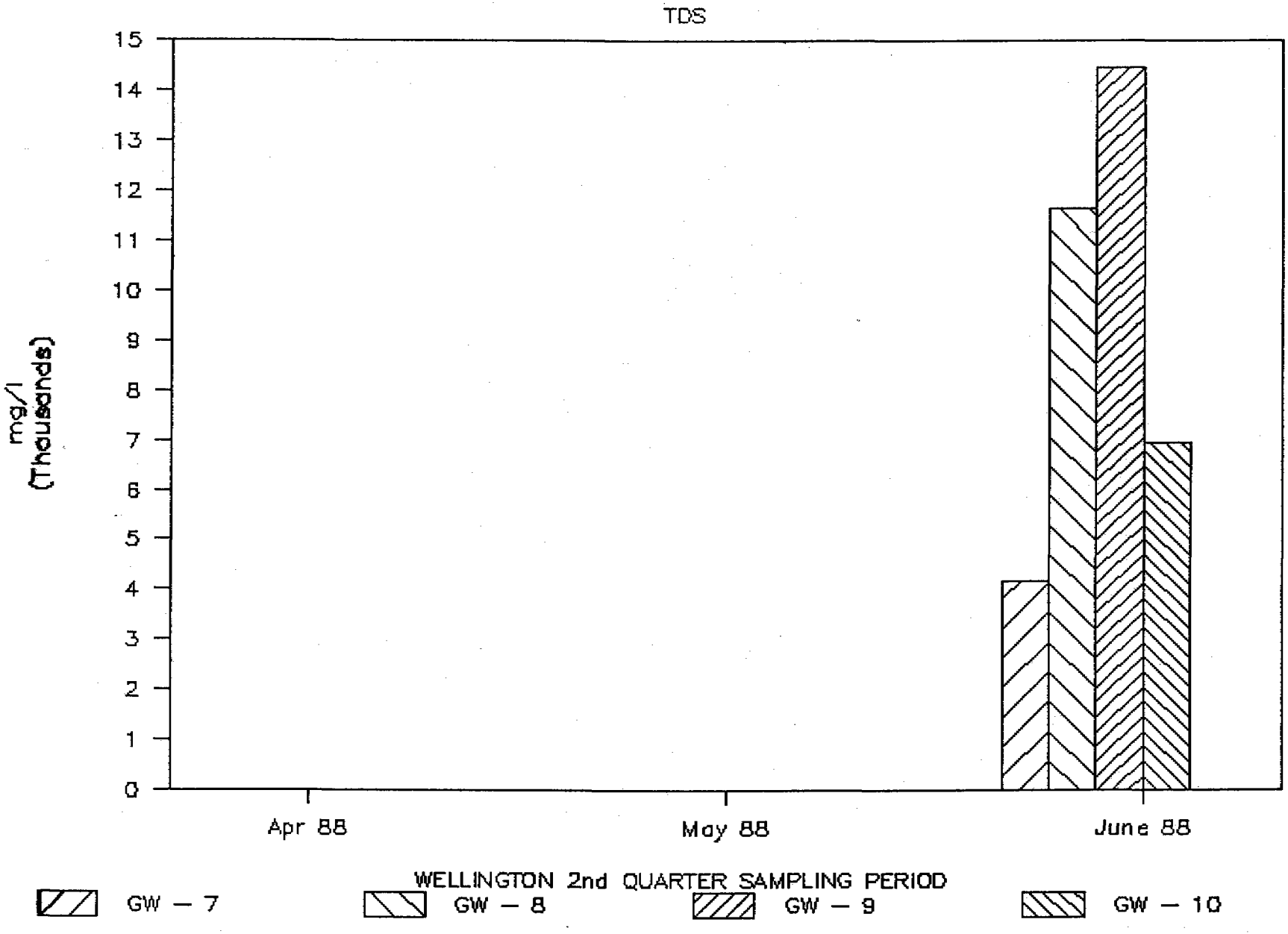

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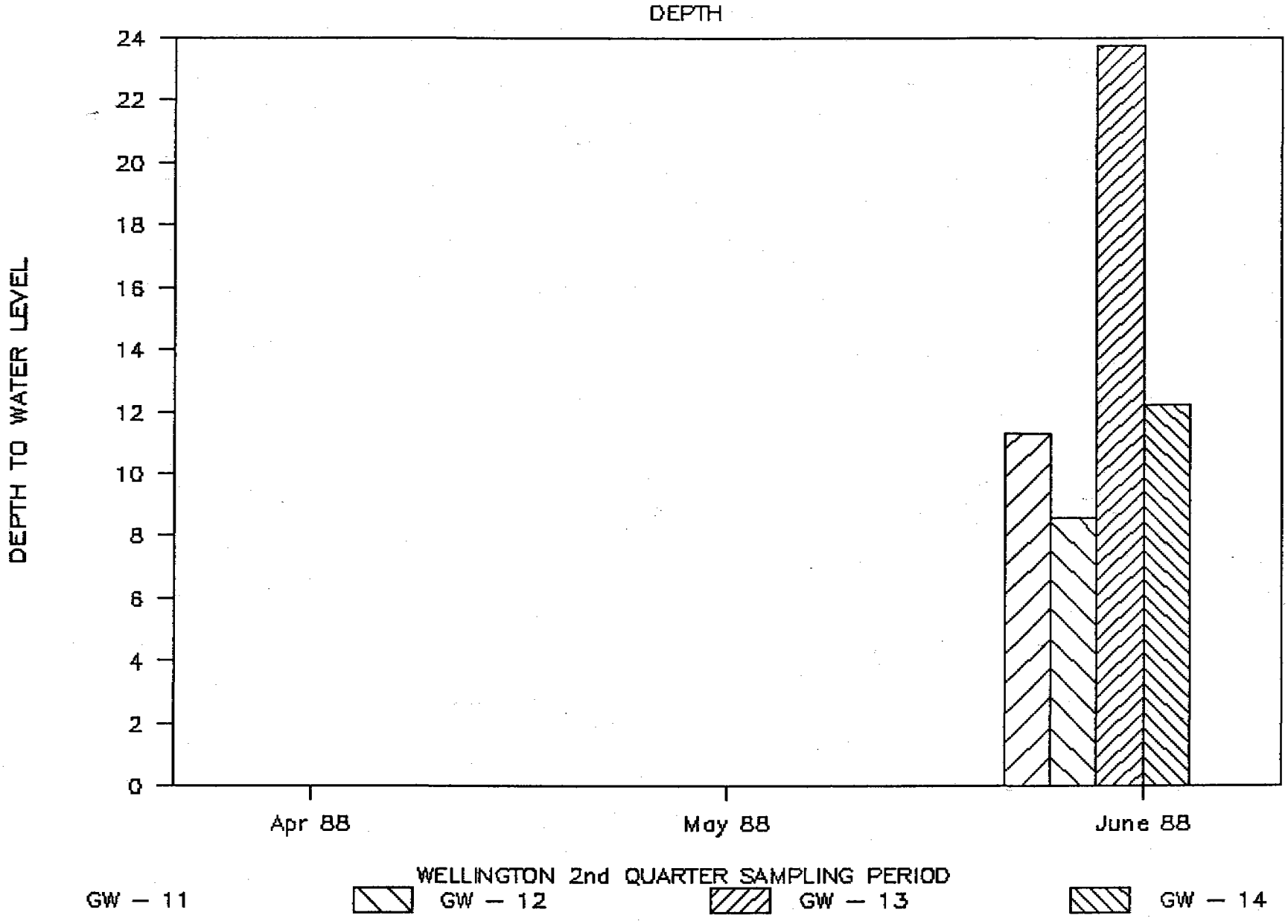

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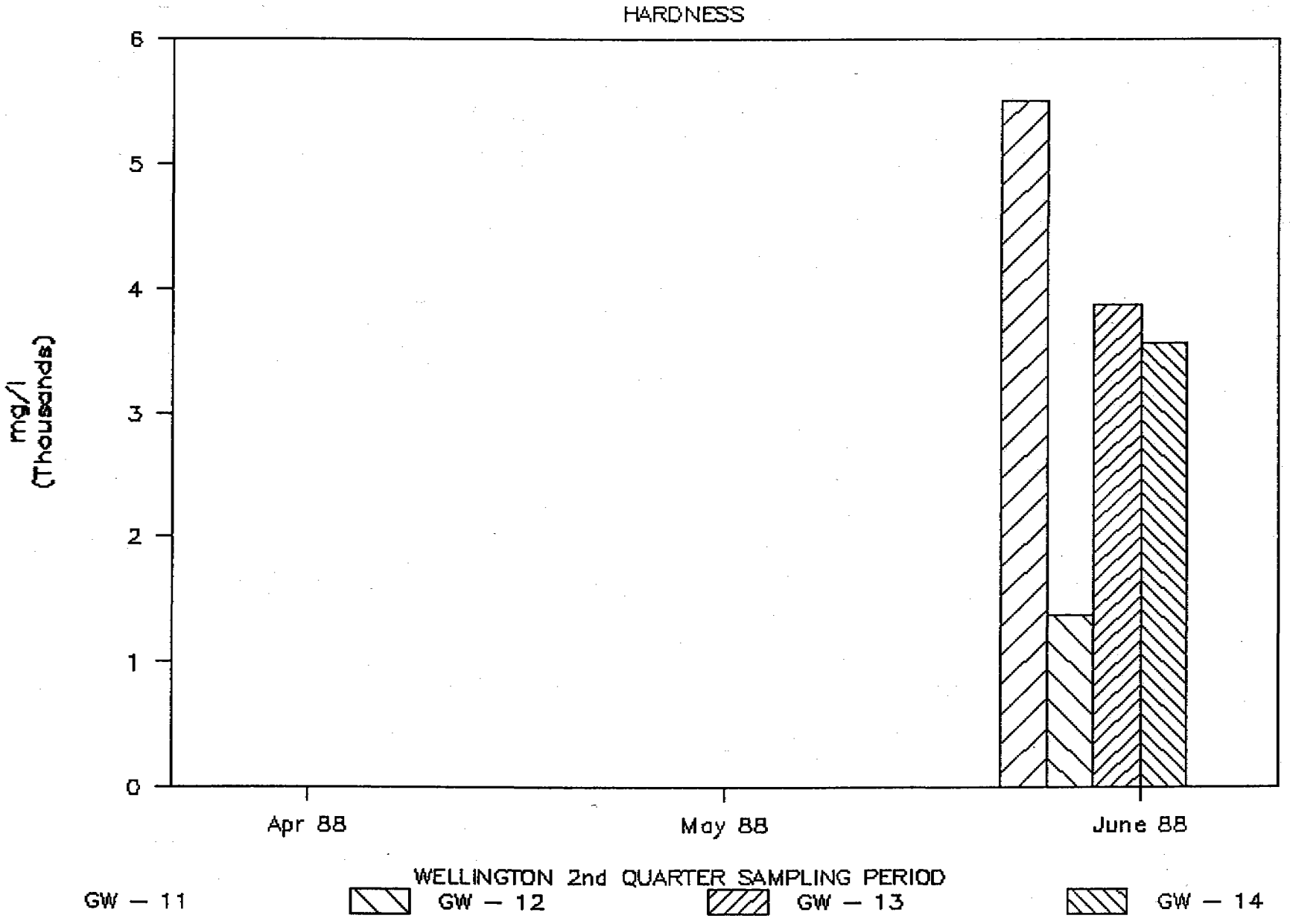
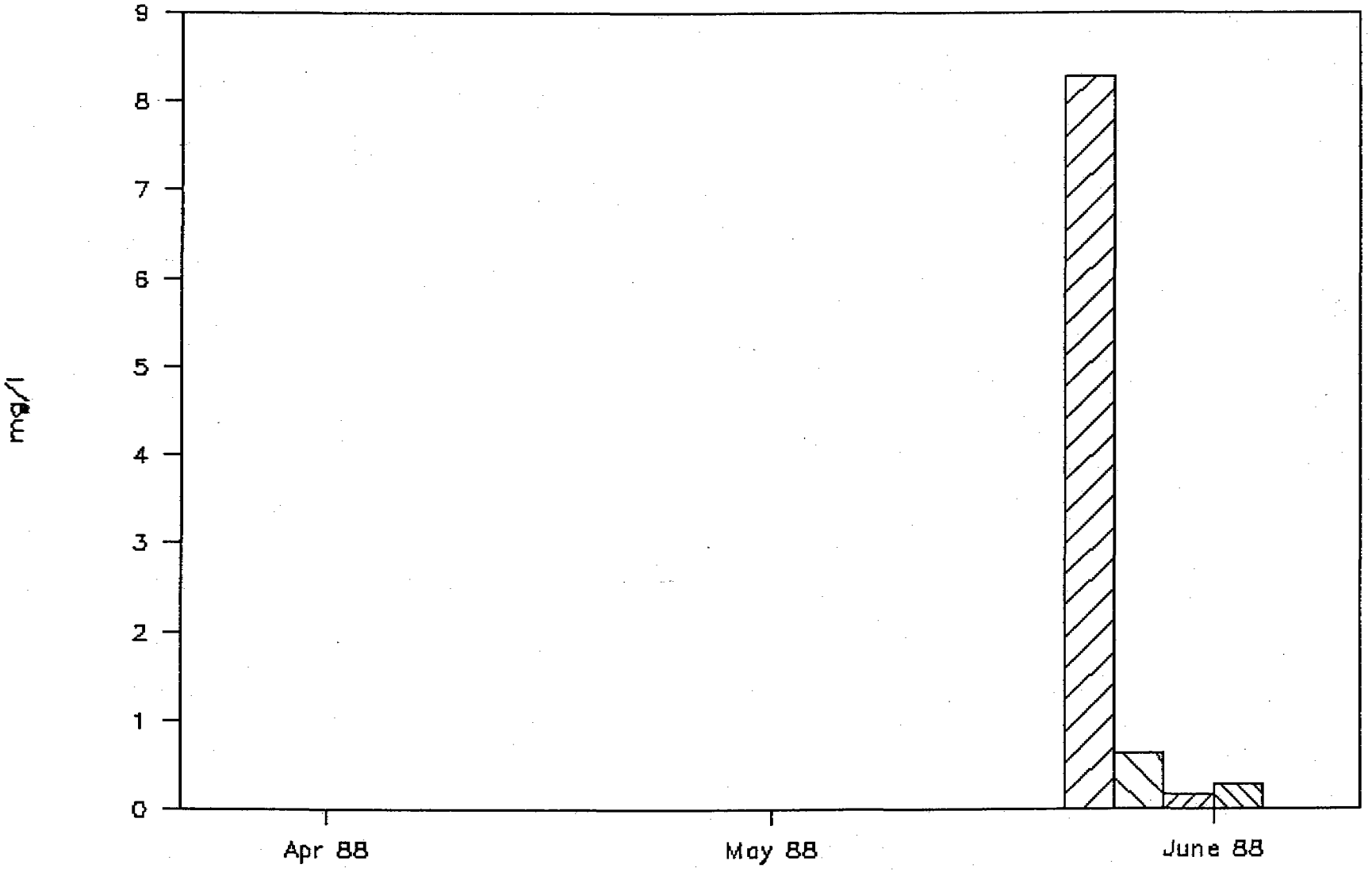


KAISER COAL CORPORATION

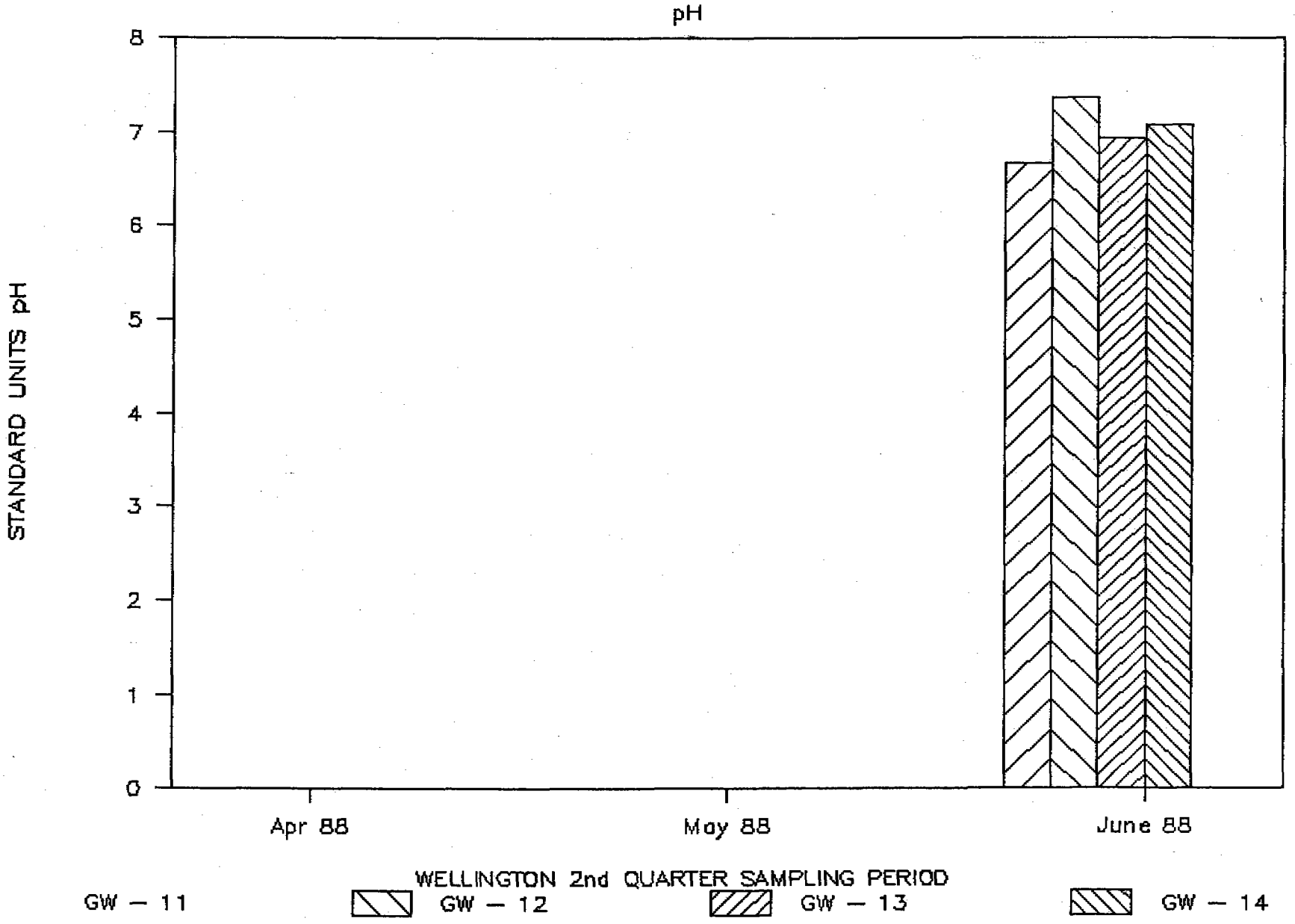
IRON TOTAL



WELLINGTON 2nd QUARTER SAMPLING PERIOD

GW — 11 GW — 12 GW — 13 GW — 14

KAISER COAL CORPORATION



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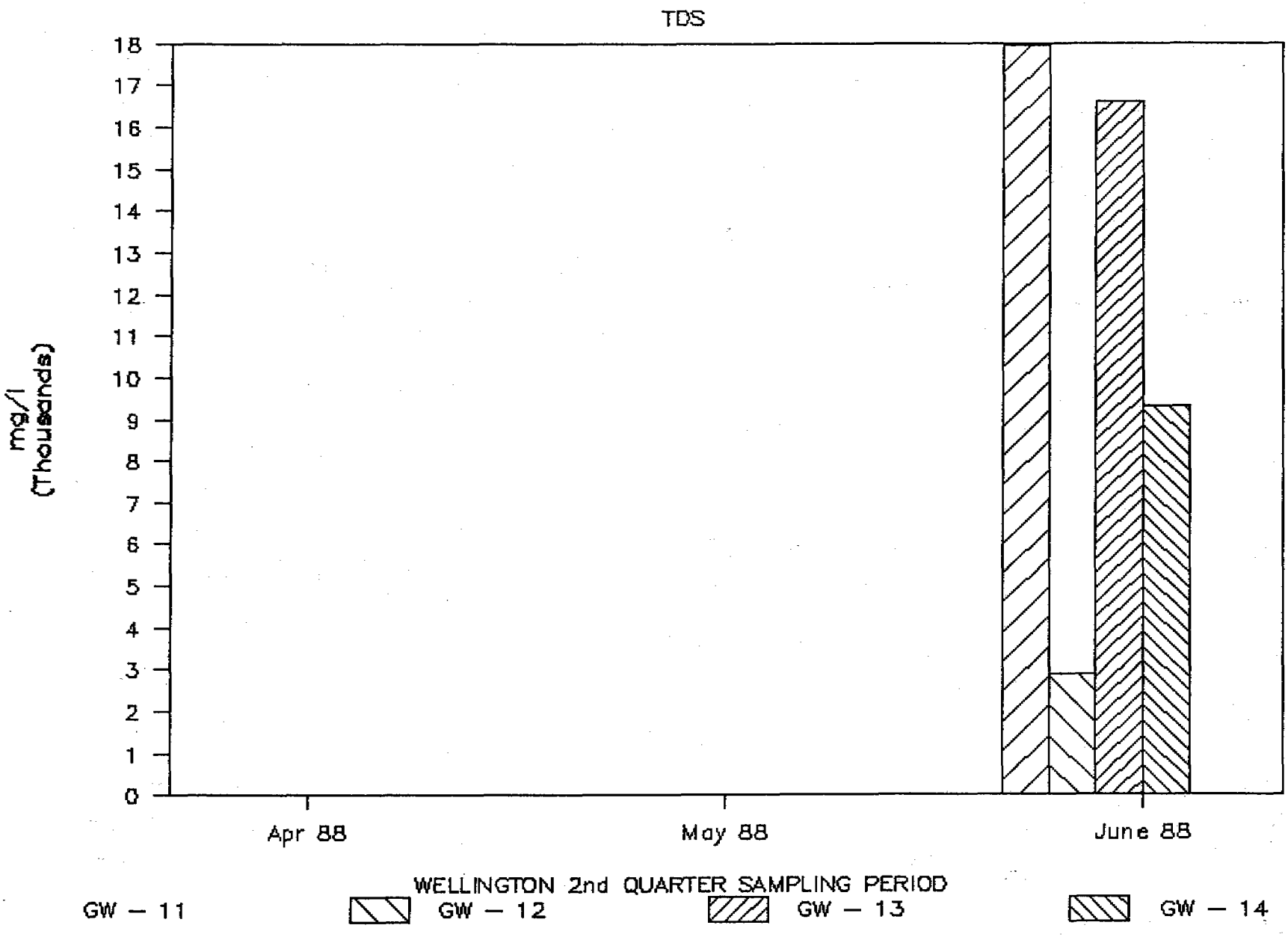
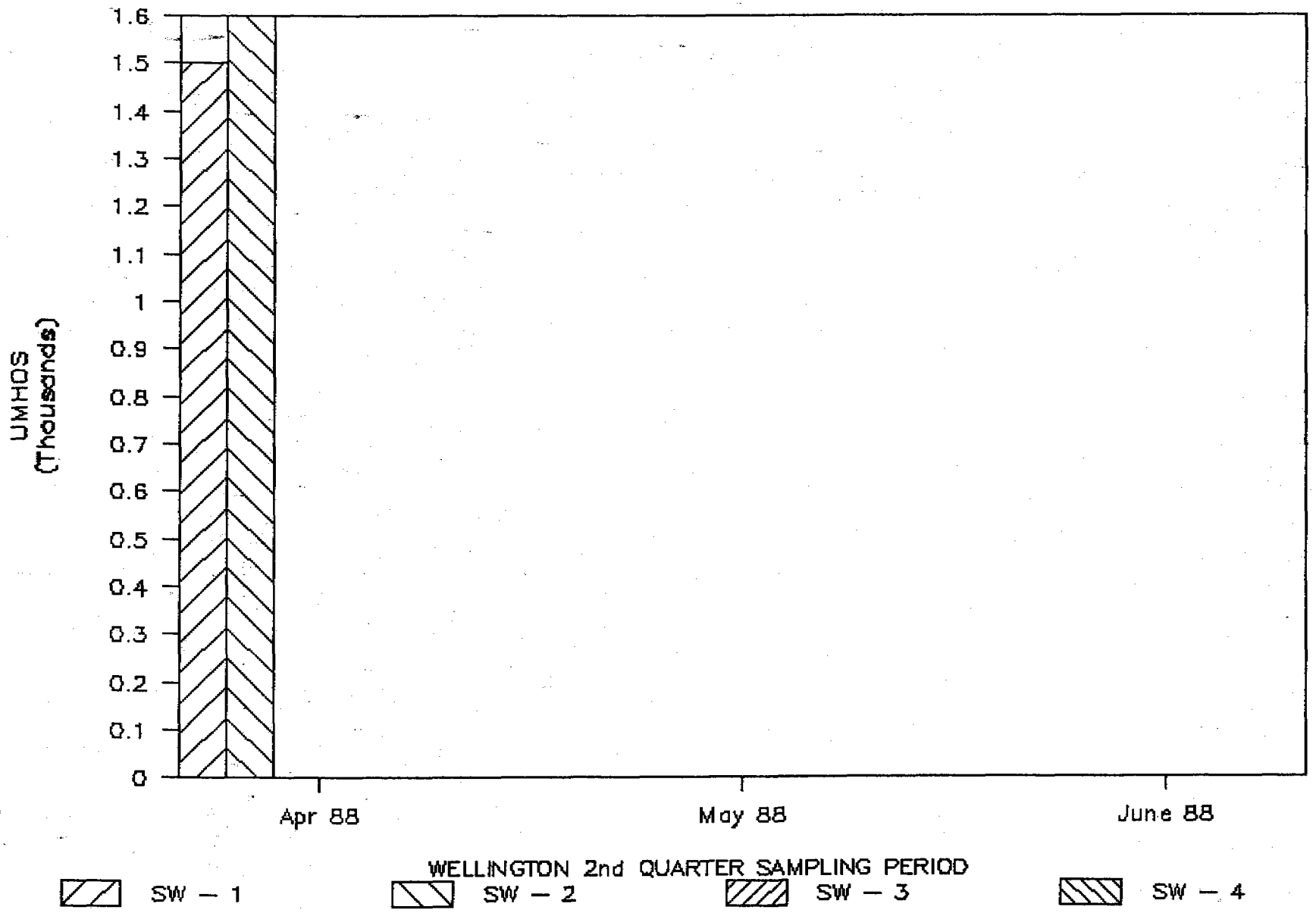


KAISER COAL CORPORATION

CONDUCTIVITY



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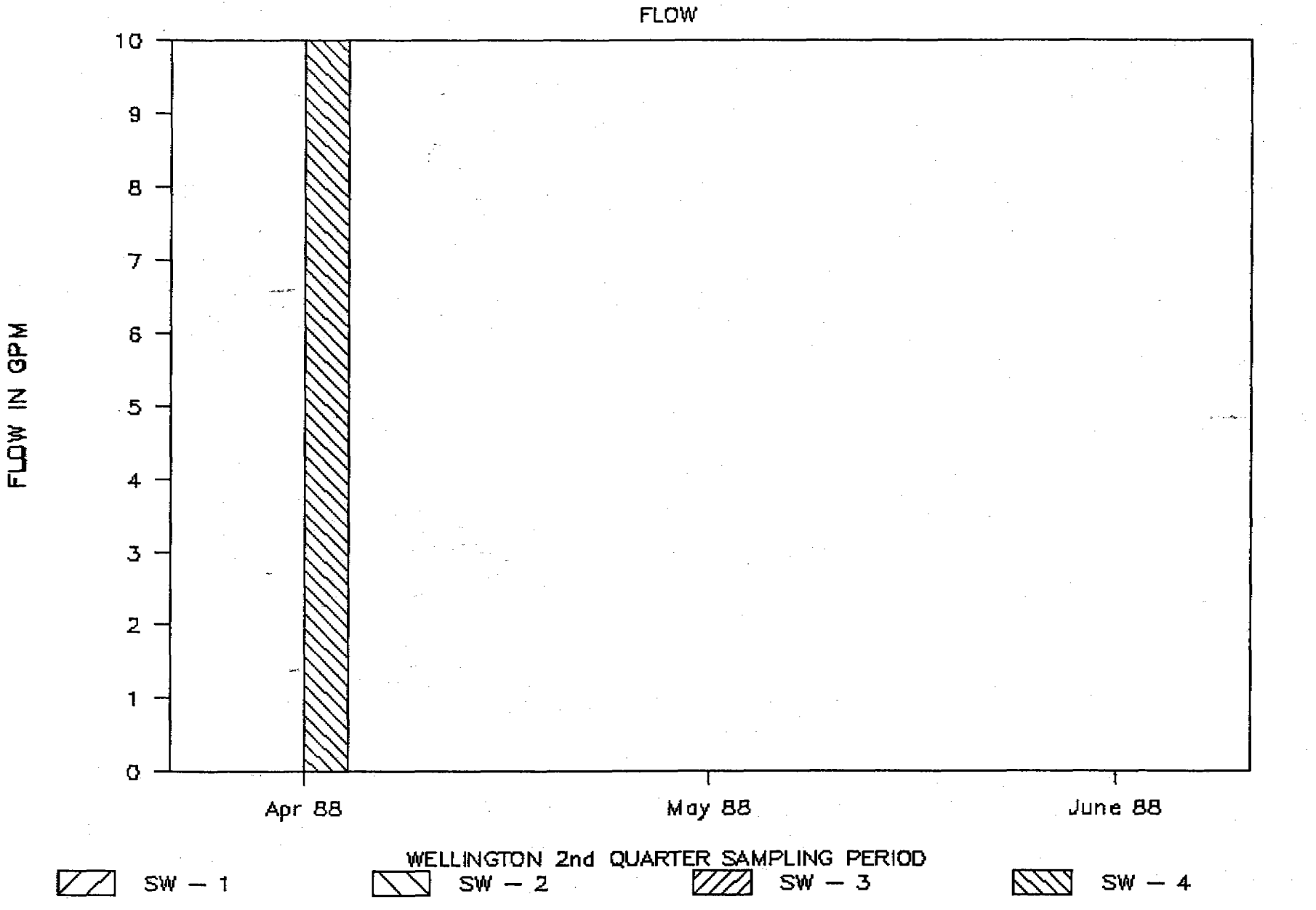

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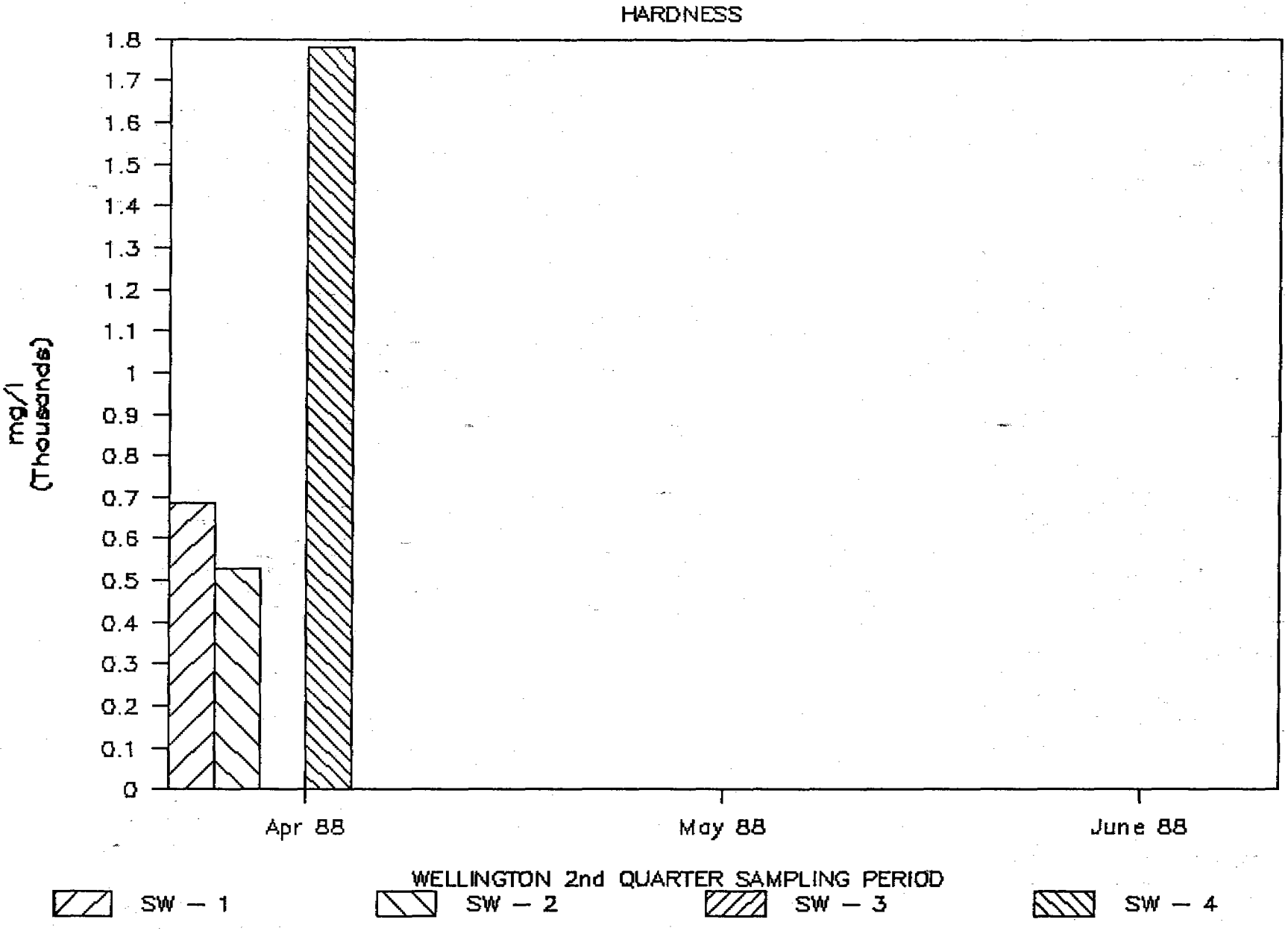

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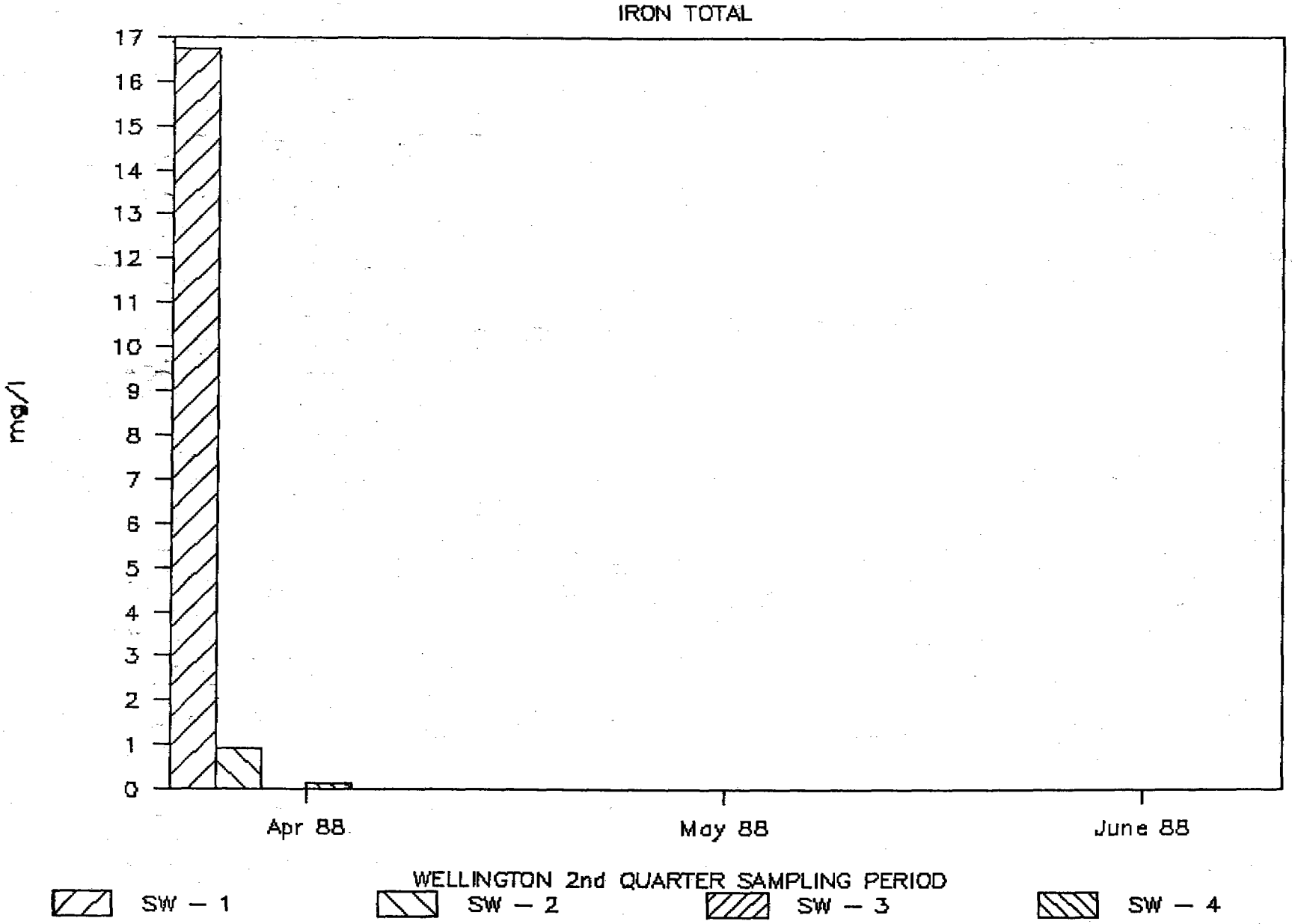

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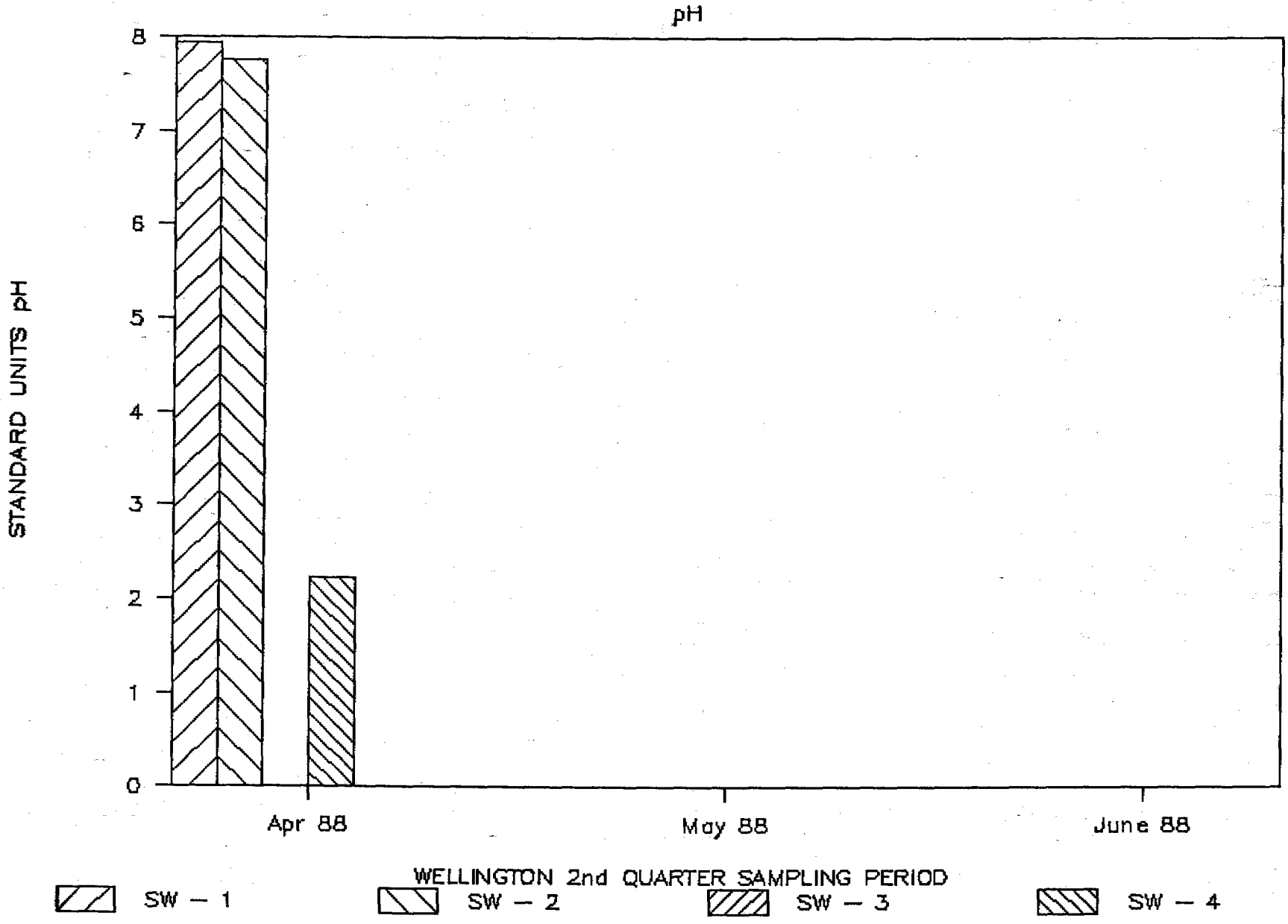

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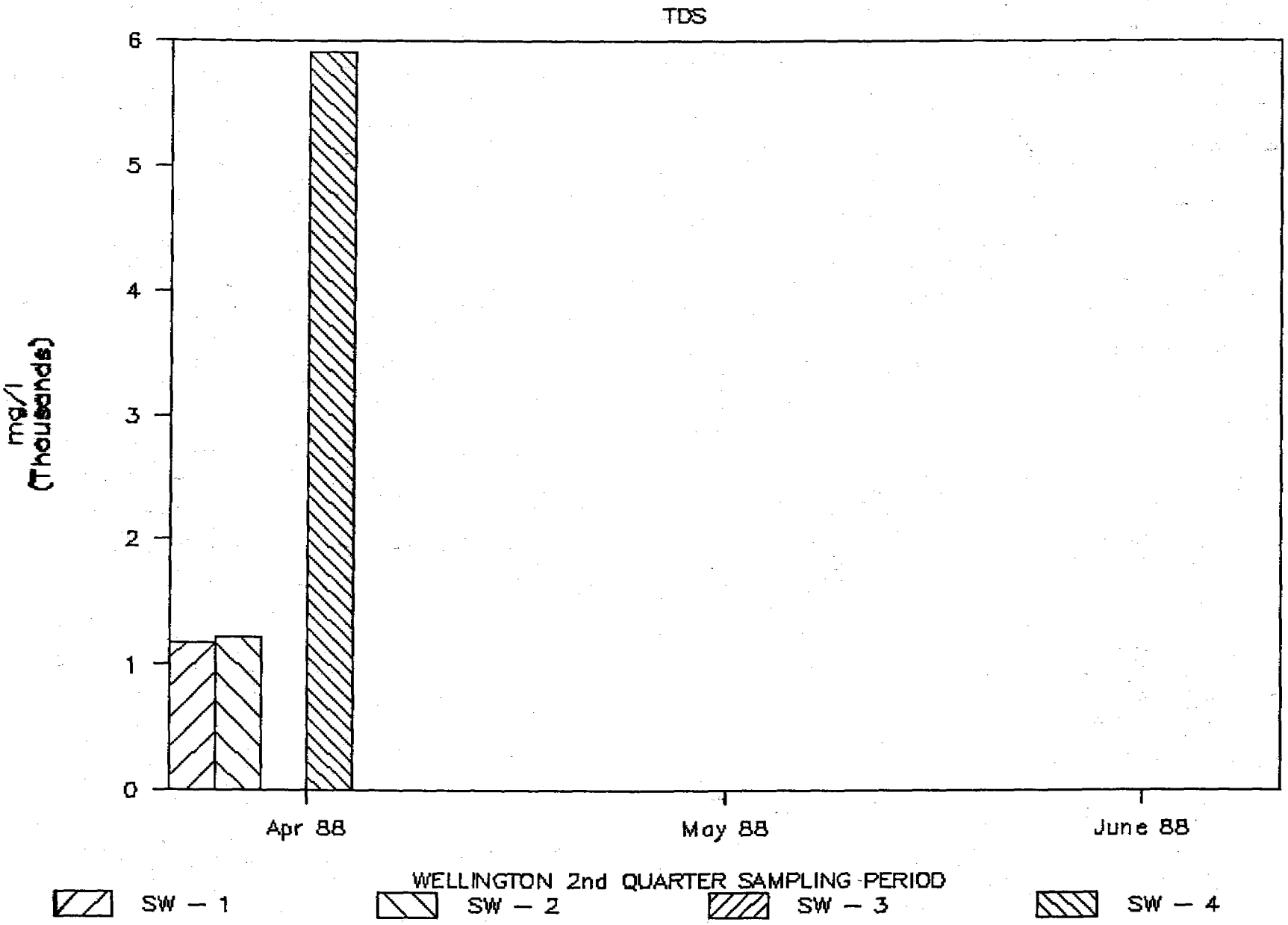

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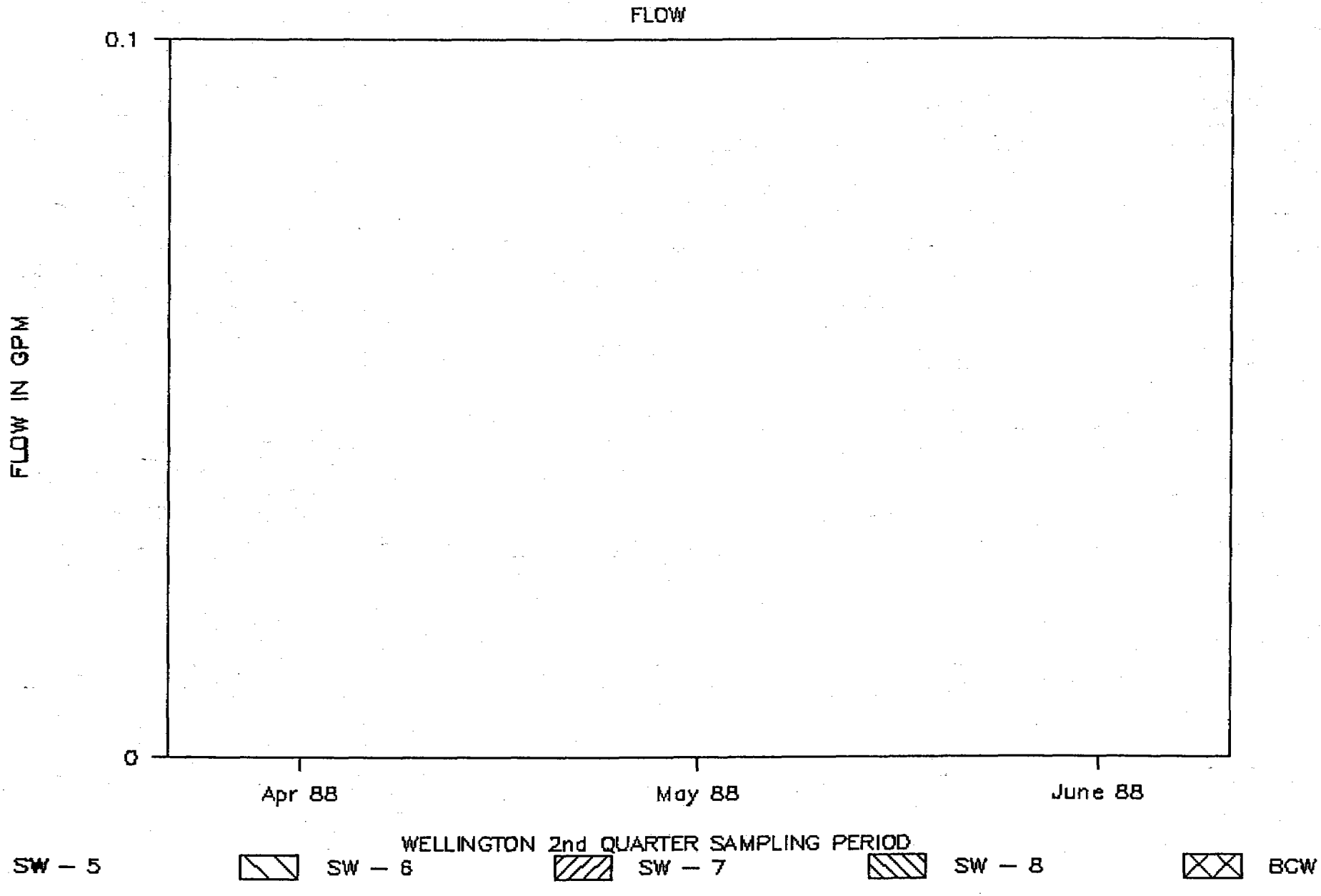

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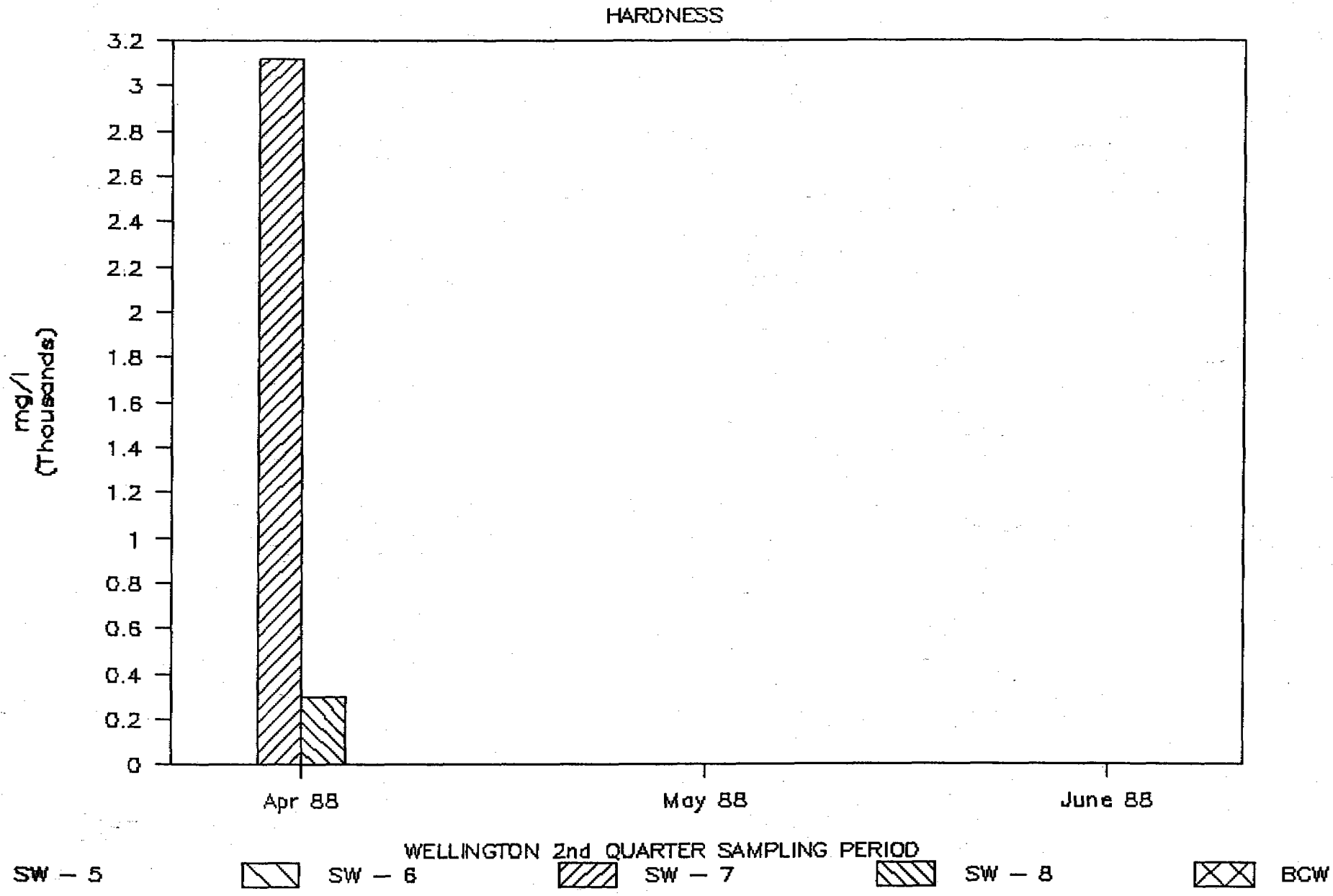

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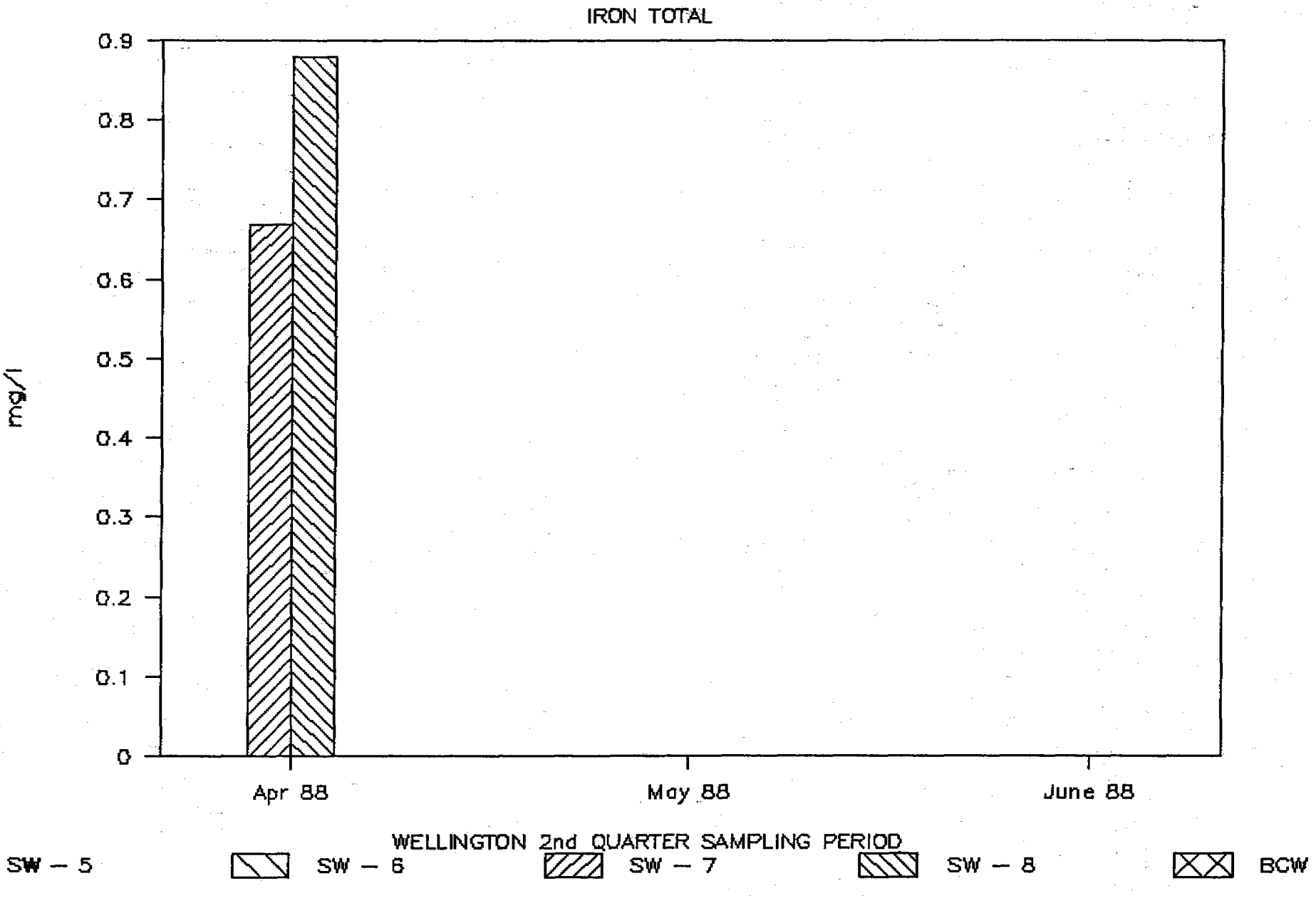

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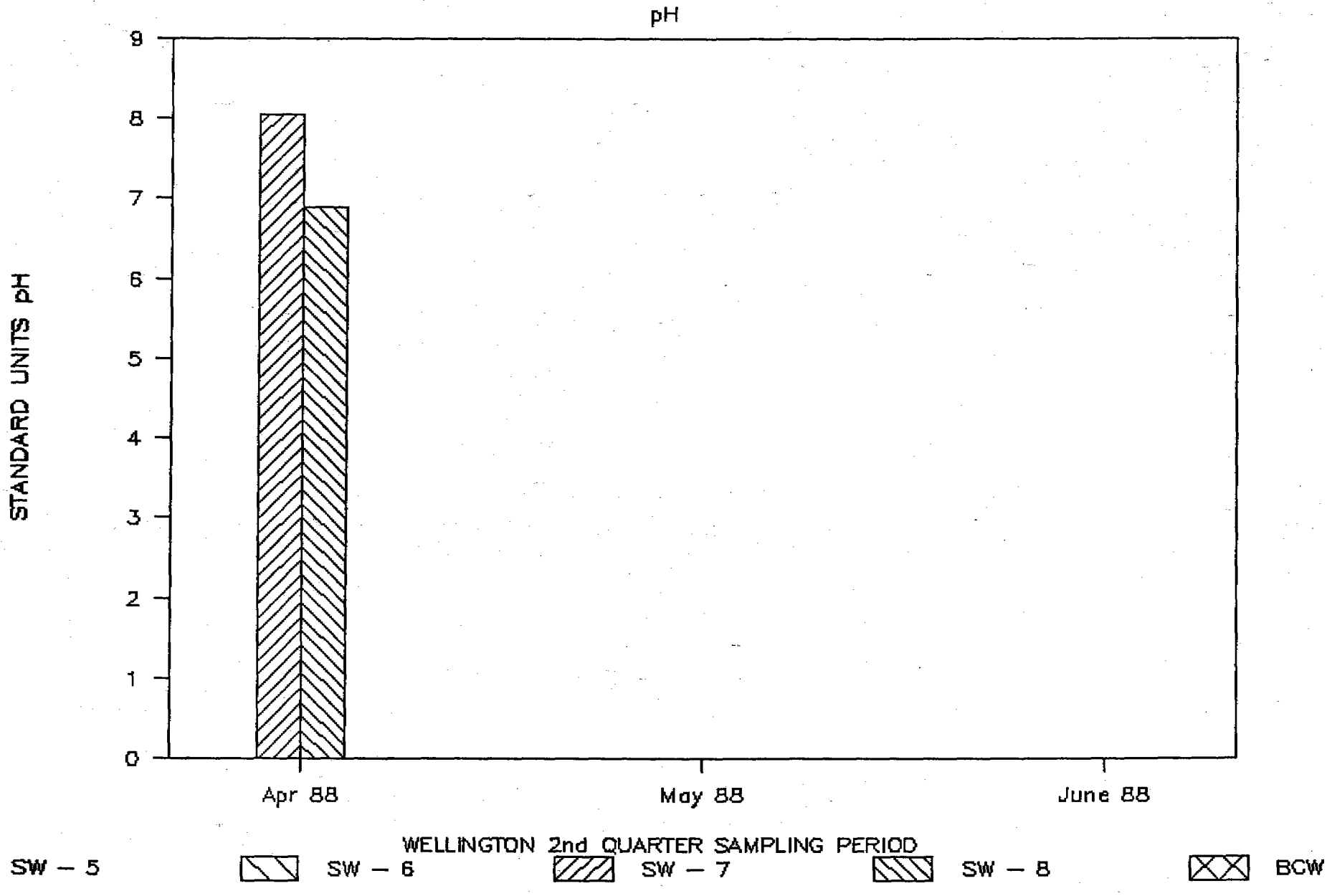

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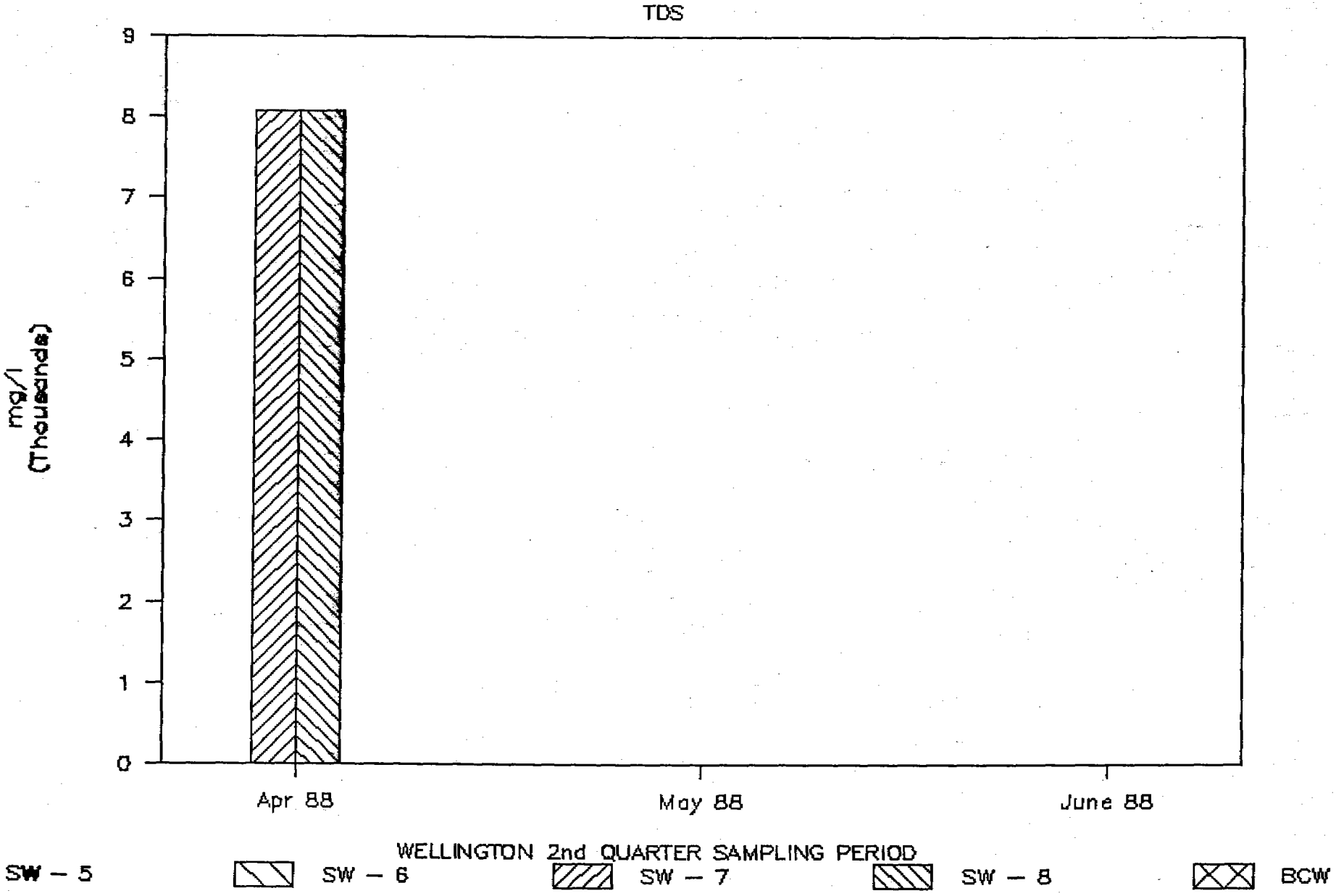


Inter·Mountain Laboratories, Inc.

2506 W. Main Street
Farmington, New Mexico 87401

CASE NARRATIVE

Date: April 6, 1998

Client: EARTHCO

Project: Wellington Loadout Site
Samples: 17

Sample No. 0398W01230-46

Dear Client:

The sample or samples were received for analysis at Inter-Mountain Laboratories (IML), Farmington, New Mexico. Enclosed are the results of these analyses.

The major cations and anions for samples #1241 and 1245 were re-analyzed in an attempt to obtain the recommended acceptable Cation/Anion Balance of 5%, but due to the nature of the sample matrix this re-analysis had no affect.

Analytical results were obtained by approved methods. Practical quantitation limits (PQL) were determined for each parameter for various matrices, and standard preparation dilutions. Quantitative results are reported on an "as received" basis for non-aqueous matrices.

If you have any question, please call me at our toll free number 1 (800) 828-1409.

John Green
Water Lab Supervisor
IML-Farmington, NM

Inter·Mountain Laboratories, Inc.

2506 W. Main Street
Farmington, New Mexico 87401

EARTHCO

Case Narrative

On March 17, 1998, four water samples were submitted to Inter-Mountain Laboratories - Farmington for analysis. The samples were received cool and intact. Analysis for Oil and Grease were performed on the samples as per the accompanying Chain of Custody document..

The samples were extracted by Method 3510, "Separatory Funnel Liquid-Liquid Extraction", with 1,1,2-trichloro 1,2,2-trifluoroethane (Freon) as the extraction solvent. Analysis was by Method 413.2, "Total Oil and Grease", using a Buck Scientific Total Hydrocarbon Analyzer.

It is the policy of this laboratory to employ, whenever possible, preparatory and analytical methods which have been approved by regulatory agencies. The method used in the analysis of the samples reported herein are found in Test Methods for Evaluation of Solid Waste, SW-846, USEPA, 1986 and Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, USEPA, 1983.

Sincerely,

Sharon Williams

Sharon Williams
Organics Lab Supervisor

Inter-Mountain Laboratories, Inc.

2506 W. Main Street
Farmington, New Mexico 87401

CASE NARRATIVE

Date: January 3, 1998

Client: Earthco

Project: Castle Valley Resources GW Sample No. 0397W02847-58
Samples: 12

Dear Client:

The sample or samples were received for analysis at Inter-Mountain Laboratories (IML), Farmington, New Mexico. Enclosed are the results of these analyses.

The major cations and anions for samples #2851 and 2853 were re-analyzed in an attempt to obtain the recommended acceptable Cation/Anion Balance of 5%, but due to the nature of the sample matrix this re-analysis had no affect.

Total and Dissolved Metals for samples #2848, 2850, 2852 and 2854 were re-analyzed in an attempt to obtain Total results higher than Dissolved, but this re-analysis had no affect.

Analytical results were obtained by approved methods. Practical quantitation limits (PQL) were determined for each parameter for various matrices, and standard preparation dilutions. Quantitative results are reported on an "as received" basis for non-aqueous matrices.

If you have any question, please call me at our toll free number 1 (800) 828-1409.

John Green
Water Lab Supervisor
IML-Farmington, NM

Inter-Mountain Laboratories, Inc.

2506 W. Main Street
Farmington, New Mexico 87401

CASE NARRATIVE

Date: January 3, 1998

Client: Earthco

Project: Castle Valley Resources SW
Samples: 4

Sample No. 0397W02843-46

Dear Client:

The sample or samples were received for analysis at Inter-Mountain Laboratories (IML), Farmington, New Mexico. Enclosed are the results of these analyses.

The Oil and Grease sample bottle for #2846 was broken.

Analytical results were obtained by approved methods. Practical quantitation limits (PQL) were determined for each parameter for various matrices, and standard preparation dilutions. Quantitative results are reported on an "as received" basis for non-aqueous matrices.

If you have any question, please call me at our toll free number 1 (800) 828-1409.

John Green
Water Lab Supervisor
IML-Farmington, NM

Inter-Mountain Laboratories, Inc.

2506 W. Main Street
Farmington, New Mexico 87401

CASE NARRATIVE

Date: February 17, 1998

Client: Earthco

Project: Castle Valley Resources GW
Samples: 1

Sample No. 0397W02847

Dear Client:

The sample or samples were received for analysis at Inter-Mountain Laboratories (IML), Farmington, New Mexico. Enclosed are the results of these analyses.

The pH for this sample was reported in error. The report has been amended to reflect the correct result.

Analytical results were obtained by approved methods. Practical quantitation limits (PQL) were determined for each parameter for various matrices, and standard preparation dilutions. Quantitative results are reported on an "as received" basis for non-aqueous matrices.

If you have any question, please call me at our toll free number 1 (800) 828-1409.

John Green
Water Lab Supervisor
IML-Farmington, NM

Inter-Mountain Laboratories, Inc.

2506 W. Main Street
Farmington, New Mexico 87401

Wellington

RECEIVED
FEB 23 1998
DIV. OF OIL, GAS & MINING

Client: EARTHCO
Project: Castle Valley Resources GW
Sample ID: GW-1
Lab ID: 0397W02847
Matrix: Water
Condition: Cool/Intact

Date Received: 12/05/97
Date Reported: 02/17/98
Date Sampled: 12/02/97
Time Sampled: 0904

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
GENERAL PARAMETERS									
pH	7.1	s.u.			0.1	EPA 150.1	12/05/97	1600	AP
Electrical Conductivity	7,550	µmhos/cm			10	EPA 120.1	12/05/97	1600	AP
Solids - Total Dissolved	5,260	mg/L			10	EPA 160.1	12/09/97	0910	BJ
Alkalinity	423	mg/L			1	EPA 310.1	12/16/97	0851	BJ
Hardness	2,590	mg/L			1	Calculation	12/22/97	1400	JG
MAJOR ANIONS									
Bicarbonate (HCO3)	516	mg/L	8.46	meq/L	1	EPA 310.1	12/16/97	0851	BJ
Carbonate (CO3)	<1	mg/L	<0.01	meq/L	1	EPA 310.1	12/16/97	0851	BJ
Hydroxide (OH)	<1	mg/L	<0.01	meq/L	1	EPA 310.1	12/16/97	0851	BJ
Chloride	84	mg/L	2.36	meq/L	1	EPA 300.0	12/10/97	1400	AP
Sulfate	3,050	mg/L	63.5	meq/L	5	EPA 300.0	12/10/97	1400	AP
MAJOR CATIONS									
Calcium	525	mg/L	26.2	meq/L	0.2	EPA 200.7	12/08/97	1300	ST
Magnesium	310	mg/L	25.5	meq/L	0.2	EPA 200.7	12/08/97	1300	ST
Potassium	5.6	mg/L	0.14	meq/L	0.2	EPA 200.7	12/08/97	1300	ST
Sodium	627	mg/L	27.3	meq/L	0.2	EPA 200.7	12/08/97	1300	ST
CATION / ANION BALANCE QC INFORMATION									
Cation Sum			79.1	meq/L	N/A	Calculation	12/22/97	1400	JG
Anion Sum			74.3	meq/L	N/A	Calculation	12/22/97	1400	JG
Cation/Anion Balance			3.13	%	N/A	Calculation	12/22/97	1400	JG
DISSOLVED METALS									
Boron	0.81	mg/L			0.05	EPA 200.7	12/08/97	1525	ST
Iron	0.04	mg/L			0.02	EPA 200.7	12/08/97	1525	ST
Lead	<0.005	mg/L			0.005	EPA 200.9	12/08/97	1340	AL
Manganese	0.120	mg/L			0.005	EPA 200.7	12/08/97	1525	ST
Selenium	<0.005	mg/L			0.005	SM 3114 B	12/09/97	1515	AL
TOTAL METALS									
Boron	0.76	mg/L			0.05	EPA 200.7	12/17/97	1621	ST
Iron	0.48	mg/L			0.02	EPA 200.7	12/17/97	1621	ST
Manganese	0.248	mg/L			0.005	EPA 200.7	12/17/97	1621	ST
Selenium	0.016	mg/L			0.005	SM 3114 B	12/15/97	1242	AL

Reference: EPA - "Methods for Chemical Analysis of Water and Wastes", United States Environmental Protection Agency, EPA 600/4-79-020, Revised March, 1983.
EPA - "Methods for the Determination of Inorganic Substances in Environmental Samples", United States Environmental Protection Agency, EPA 600/R-93/100 August, 1983.

Reviewed By: _____

John Green, Water Lab Supervisor

Inter-Mountain Laboratories, Inc.

2506 W. Main Street
Farmington, New Mexico 87401

CASE NARRATIVE

Date: December 30, 1997

Client: Earthco

Project: CVR Property Sample No. 0397W03056
#Samples: 1

Dear Client:

The sample or samples were received for analysis at Inter-Mountain Laboratories (IML), Farmington, New Mexico. Enclosed are the results of these analyses.

Analytical results were obtained by approved methods. Practical quantitation limits (PQL) were determined for each parameter for various matrices, and standard preparation dilutions. Quantitative results are reported on an "as received" basis for non-aqueous matrices.

If you have any question, please call me at our toll free number 1 (800) 828-1409.

Wes Harvey
Laboratory Manager
IML-Farmington, NM

ENVIRONMENTAL INDUSTRIAL SERVICES
435-472-3814 • 800-641-2927 • FAX 435-472-8780 • EIS@CASTLENET.COM • 31 NORTH MAIN STREET HELPER, UTAH 84526

August 19, 1997

RE: NPDES DISCHARGE POINTS

The NPDES discharge points for NEICO's Wellington Preparation Plant property were checked on August 19, 1997. There was no discharge at any of the points.

Sincerely,

Mike Hubbard

Mike Hubbard
Environmental Consultant

UPDES UTG040010

Data entered from DMR reports.

UPDES - "???"
UPDES - 003
- 004
- 005
- 006
- 007
- 008

ENVIRONMENTAL INDUSTRIAL SERVICES
4855 N. Spring Glen Rd., Spring Glen, UT 84526 - Telephone (801) 472-3814 - FAX (801) 472-8780

May 14, 1997 DC MB 12-3-97

RE: NPDES DISCHARGE POINTS

The NPDES discharge points for NEICO's Wellington Preparation Plant property were checked on May 14, 1997. There was no discharge at any of the points.

Sincerely,

Mike Hubbard

Mike Hubbard
Environmental Consultant

UPDES UTG040010

UPDES- "???" (SW-8) (AUXILLIARY POND IN FRONT OF OFFICE)

UPDES - 003 Entered from ~~Mike~~ DMR report 5-15-97

UPDES - 004 " 8-15-97

UPDES - 005 "

UPDES - 006 "

UPDES - 007 "

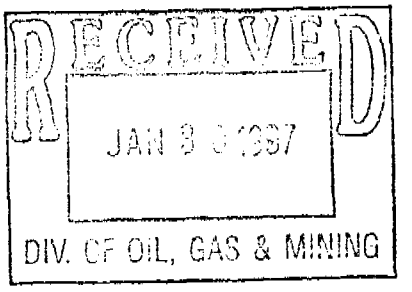
UPDES - 008 "

WELLINGTON PREP PLANT 007/012 cc's Paul

ENVIRONMENTAL INDUSTRIAL SERVICES

4855 N. Spring Glen Rd., Spring Glen, UT 84526 - Telephone (801) 472-3814 - FAX (801) 472-8780

Data to Nina then File.



January 28, 1997

UTAH DIVISION OF OIL, GAS & MINING
MR. DARRIN HADDOCK
1594 WEST NORTH TEMPLE
SALT LAKE CITY, UTAH 84114-5801

RE: 4th QUARTER 1996 WATER DATA
CASTLE VALLEY RESOURCES - EARTHCO

DEAR MR. HADDOCK:

Please find enclosed Castle Valley Resources Water Data. UNPDES monitoring reports indicated a "No Discharge for the 4th quarter of 1996.

If you have any questions, please feel free to call me.

Sincerely,

Tammy Markosek

Tammy Markosek

WELLINGTON PREP PLANT
007/012

Tammy will send them
MB 4-29-97

ENVIRONMENTAL INDUSTRIAL SERVICES
4855 N. Spring Glen Rd., Spring Glen, UT 84526 - Telephone (801) 472-3814 - FAX (801) 472-8780

APRIL 30, 1997

UTAH DIVISION OF OIL, GAS & MINING
MR. DARRIN HADDOCK
1594 WEST NORTH TEMPLE
SALT LAKE CITY, UTAH 84114-5801

RE: 1st QUARTER 1997 WATER DATA
CASTLE VALLEY RESOURCES - EARTHCO

DEAR MR. HADDOCK:

Please find enclosed Castle Valley Resources Water Data. UNPDES monitoring reports indicated a "No Discharge" for the 1st quarter of 1997.

If you have any questions, please feel free to call me.

Sincerely,

Tammy Markosek

ACT/007/012 #7

Tammy Markosek

Inter·Mountain Laboratories, Inc.

2506 W. Main Street
Farmington, New Mexico 87401

April 11, 1997

Steve Traweek
EARTHCO
6000 Wash Plant Road
Wellington, UT 84542

Dear Mr. Traweek:

Enclosed are the analytical results for the samples submitted for analyses to Inter-Mountain Labs - Farmington, New Mexico, on March 27, 1997. The samples were analyzed for EARTHCO Ground Water and Surface Water Parameters, as indicated on the accompanying Chain of Custody documents #46338 and 46339. You will notice several of the samples have greater dissolved metal values than total metal values. We reanalyzed these and the results did not change significantly, indicating some type of matrix interference.

Tests were performed in accordance with 40 CFR 136, "Guidelines Establishing Test Procedures for Analysis, " as amended.

Please call me if you have any questions or comments concerning the analyses.

Sincerely,

W. Manley

Wanda Manley
Water Lab Supervisor
IML - Farmington

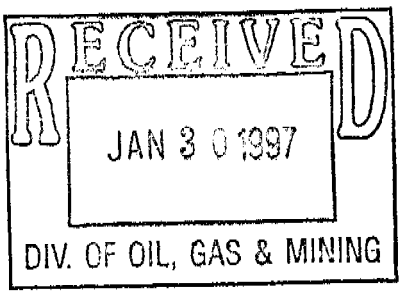
Enclosure: Analytical Report

007/012 #2
cc's Paul

ENVIRONMENTAL INDUSTRIAL SERVICES

4855 N. Spring Glen Rd., Spring Glen, UT 84526 - Telephone (801) 472-3814 - FAX (801) 472-8780

Date to Mine Haus File



January 28, 1997

UTAH DIVISION OF OIL, GAS & MINING
MR. DARRIN HADDOCK
1594 WEST NORTH TEMPLE
SALT LAKE CITY, UTAH 84114-5801

RE: 4th QUARTER 1996 WATER DATA
CASTLE VALLEY RESOURCES - EARTHCO

DEAR MR. HADDOCK:

Please find enclosed Castle Valley Resources Water Data. UNPDES monitoring reports indicated a "No Discharge for the 4th quarter of 1996.

If you have any questions, please feel free to call me.

Sincerely,

Tammy Markosek

Tammy Markosek

HYDROLOGICAL & RECLAMATION REPORT
1ST QUARTER (1996)
FOR THE
WELLINGTON COAL PREPARATION PLANT

Route to Jk, Daron, Ken
Jrew file
ACT/007/012
#7

for

NEVADA ELECTRIC INVESTMENT COMPANY
6226 West Sahara
P.O. Box 230
Las Vegas, Nevada 89102

by

MT. NEBO SCIENTIFIC, INC.
330 East 400 South, Suite 6
P.O. Box 337
Springville, Utah 84663

April 29, 1996

CONTENTS

330 East 400 South, Ste. 6, P.O. Box 337, Springville, Utah 84663
(801) 489-6937, (fax) 489-6779

MT NEBO SCIENTIFIC, INC.
research & consulting

April 29, 1996

Pamela Grubaugh-Littig
STATE OF UTAH
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180

RE: 1st Quarter (1996) Hydrological & Reclamation Report for the Wellington Preparation Plant (ACT/007/012)

Dear Ms. Grubaugh-Littig:

Enclosed please find NEICO's 1st Quarter Hydrological & Reclamation Report which is hereby submitted in accordance with the Mining & Reclamation Plan.

Please call with any questions or comments.

Sincerely,

Patrick D. Collins

Patrick D. Collins, Ph.D.
Resident Agent for NEICO

Enclosures

cc: Nevada Electric Investment Co.
Utah Division of Water Quality (UPDES reports only)
U.S. Environmental Protection Agency (UPDES reports only)

330 East 400 South, Ste. 6, P.O. Box 337, Springville, Utah 84663
(801) 489-6937, (fax) 489-6779

QUARTERLY REFUSE PILE INSPECTIONS

330 East 400 South, Ste. 6, P.O. Box 337, Springville, Utah 84663
(801) 489-6937, (fax) 489-6779

Nevada Electric Investment Company
Wellington Loadout Site

MSHA I.D. # 42-00099

1st Quarter 1996 *Coal Refuse Piles - Quarterly Report*

Site Name: *Wellington Loadout Site*

Refuse Pile:	*Pile I.D. #:*
Pond Refuse Pile	*1211-UT-09-00099-05*
Plant Refuse Pile	*1211-UT-09-00099-01*

Water impounding against toe: None

Fires on piles: None

Seepage, cracks, erosion problems or any other comments pertaining to the stability of the pile: Pond Refuse Pile - Erosion on Pond Side.
Plant Refuse Pile - Sign Down.
(Inactive Piles)

I have performed the above inspection on these refuse piles and do hereby certify it to be a true and accurate representation of the piles at this time.

REGISTERED PROFESSIONAL ENGINEER
DAN W. GUY
No. 166[illegible]
STATE OF UTAH

Dan W. Guy

3/21/96

Dan W. Guy, P.E. *Date*
President
Blackhawk Engineering, Co.

MT NEBO SCIENTIFIC, INC.
research & consulting

April 28, 1995

Pamela Grubaugh-Littig
STATE OF UTAH
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180

RE: 1st Quarter (1995) Hydrological & Reclamation Report for the Wellington Preparation Plant (ACT/007/012)

Route to Ken, Pam file

Dear Ms. Grubaugh-Littig:

Enclosed please find NEICO's 1st Quarter Hydrological & Reclamation Report which is hereby submitted in accordance with the Mining & Reclamation Plan.

ACT/007/012 #7

Please call with any questions or comments.

Sincerely,

Patrick D. Collins

Patrick D. Collins, Ph.D.
Resident Agent for NEICO

Enclosures

cc: Richard Hinckley

330 East 400 South, Ste. 6, P.O. Box 337, Springville, Utah 84663
(801) 489-6937, (fax) 489-6779

HYDROLOGICAL & RECLAMATION REPORT
1st QUARTER (1995)
FOR THE
WELLINGTON COAL PREPARATION PLANT

for

NEVADA ELECTIC INVESTMENT COMPANY
6226 West Sahara
P.O. Box 230
Las Vegas, Nevada 89102

by

MT. NEBO SCIENTIFIC, INC.
330 East 400 South, Suite 6
P.O. Box 337
Springville, Utah 84663

April 1995

MT NEBO SCIENTIFIC, INC.
research & consulting

January 25, 1996

Pamela Grubaugh-Littig
STATE OF UTAH
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180

Ken, Item file
ACT/007/012 #17

RE: 4th Quarter (1995) Hydrological & Reclamation Report for the Wellington Preparation Plant (ACT/007/012)

Dear Ms. Grubaugh-Littig:

Enclosed please find NEICO's 4th Quarter Hydrological & Reclamation Report which is hereby submitted in accordance with the Mining & Reclamation Plan.

Please call with any questions or comments.

Sincerely,

Patrick D. Collins

Patrick D. Collins, Ph.D.
Resident Agent for NEICO

Enclosures

cc: Nevada Electric Investment Co.
Utah Division of Water Quality (UPDES reports only)
U.S. Environmental Protection Agency (UPDES reports only)

330 East 400 South, Ste. 6, P.O. Box 337, Springville, Utah 84663
(801) 489-6937, (fax) 489-6779

MT NEBO SCIENTIFIC, INC.
research & consulting

January 25, 1996

U.S. ENVIRONMENTAL PROTECTION AGENCY
Water Management Division
Compliance Branch (8WM-C)
One Denver Place
999 18th Street, Suite 1300
Denver, CO 80202-2413

RE: Copy of: 4th Quarter (1995) UPDES Monitoring Reports for the Wellington Plant for NEICO (formerly Castle Valley Resources)

Dear EPA Compliance Representative:

The following is a summary to the best of my knowledge of monitoring for the UPDES stations for Permit No. UTGO40010 (the site is currently inactive).

NEICO (owner/operator)
6226 West Sahara Ave.
Las Vegas, Nevada 89102

Discharge Numbers

003 A - (no discharge)
004 A - (no discharge)
005 A - (no discharge)
006 A - (no discharge)
007 A - (no discharge)
008 A - (no discharge)

If you have additional questions or comments please contact me.

Sincerely,

Patrick D. Collins

Patrick D. Collins, Ph.D.
Resident Agent

cc: Richard Hinckley

330 East 400 South, Ste. 6, P.O. Box 337, Springville, Utah 84663
(801) 489-6937, (fax) 489-6779

MT NEBO SCIENTIFIC, INC.
research & consulting

January 25, 1996

Mike Herkimer
UTAH DEPARTMENT OF ENVIRONMENTAL QUALITY
Division of Water Quality
288 No. 1460 West
P.O. Box 144870
Salt Lake City, UT 84114-4870

RE: Copy of: 4th Quarter (1995) UPDES Monitoring Reports for the Wellington Plant for NEICO (formerly Castle Valley Resources)

Dear Mr. Herkimer:

The following is a summary to the best of my knowledge of monitoring for the UPDES stations for Permit No. UTGO40010 (the site is currently inactive).

NEICO (owner/operator)
6226 West Sahara Ave.
Las Vegas, Nevada 89102

Discharge Numbers

003 A - (no discharge)
004 A - (no discharge)
005 A - (no discharge)
006 A - (no discharge)
007 A - (no discharge)
008 A - (no discharge)

If you have additional questions or comments please contact me.

Sincerely,

Patrick D. Collins

Patrick D. Collins, Ph.D.
Resident Agent

330 East 400 South, Ste. 6, P.O. Box 337, Springville, Utah 84663
(801) 489-6937, (fax) 489-6779

E I S
ENVIRONMENTAL INDUSTRIAL SERVICES
4855 N. Spring Glen Rd., Spring Glen, UT 84526 - Telephone (801) 472-3814 - FAX (801) 472-8780

October 27, 1995

Mr. Lowell Braxton
Utah Division of Oil, Gas & Mining
355 West North Temple
#3 Triad Center Suite 350
Salt Lake City, Utah 84180-1203

Re: 3rd Quarter Water Data
Castle Valley Resources
NEICO

Dear Mr. Braxton:

Please find enclosed 3rd Quarter, 1995 Water Data for Castle Valley Resources.

If you have any questions, please feel free to call me

Sincerely,

Melvin A. Coonrod

April 5, 1995

EarthFax

EarthFax
Engineering Inc.
Engineers/Scientists
7324 So. Union Park Ave.
Suite 100
Midvale, Utah 84047
Telephone 801-561-1555
Fax 801-561-1861

Ms. Pamela Grubaugh-Littig
Permit Coordinator
Division of Oil, Gas, and Mining
Department of Natural Resources
State of Utah
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

(Final pdf of cover letter in file

Route to Dixon, Joe, Susan, Paul, Henry

B. C then file ACT/007/012 #7

RE: 1994 Erosion Monitoring Report for the IPA Horse Canyon Mine

Dear Ms. Grubaugh-Littig:

Please find enclosed with this letter the erosion monitoring data collected during 1994 at the IPA Horse Canyon Mine. The data include copies of Mr. Paul P. Clark's field notes and photographs of selected sites. This year-end erosion monitoring report is to be included with the Horse Canyon Annual Report, Category A - Summarized Water Monitoring Data. The 14 sites that were monitored in 1994 are the same sites monitored and described in the 1993 Erosion Monitoring Report. No additional monitoring locations were added to the program in 1994.

Significant erosion was not observed at monitoring locations 1 through 4 and 7 through 13. The slide area south of the existing buildings and below Ditch 21 has been monitored throughout the year and no additional movement of material has been observed.

Runoff from a September 3, 1994 storm event caused a breach in the walls of Ditch 3 which resulted in rock and soil being deposited in the area of monitoring location 5. This same storm event resulted in the deepening of a rill at monitoring location 6. Both areas were repaired by Mr. Clark on or before September 13, 1994 and reseeded before October 22, 1994. Photographs of these two locations illustrating the condition of the areas prior to repair have been included with this report.

If you have any questions regarding this submittal, please call Mr. William W. Engels at (213) 367-0289 or me at (801) 561-1555.

Sincerely,

Chris D. Hansen
Project Manager

enclosures

c: William W. Engels, IPA

ACT/007/012

GENWAL COAL COMPANY

Wellington Prep Plant (NIECO)

January 31, 1995

Mr.Daron Haddock
Division of Oil, Gas & Mining
3 Triad Center, Suite 350
355 West North Temple
Salt Lake City, Utah 84810-1203

Dear Mr. Haddock:

Enclosed please find Castle Valley Resources's 1994 4th Quarter Hydrological & Reclamation Report which is being submitted in accordance to our Mining and Reclamation Plan.

If you have any questions, please call me at 801-687-9813.

Sincerely,

Randy Gainer
Environmental Engineer

P.O. Box 1420 • Huntington, Utah 84528 • Telephone (801) 687-9813 • FAX (801) 687-9784

AFFIDAVIT OF PUBLICATION

STATE OF UTAH)

ss.

County of Carbon,)

I, Kevin Ashby, on oath, say that I am the Publisher of the Sun Advocate, a twice-weekly newspaper of general circulation, published at Price, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue of such newspaper for 4 (Four) consecutive issues, and that the first publication was on the 18th day of October, 1994 and that the last publication of such notice was in the issue of such newspaper dated the 8th day of November, 1994.

Kevin Ashby

Kevin Ashby - Publisher

Subscribed and sworn to before me this 8th day of November, 1994

Linda Thayn

Notary Public My commission expires January 10, 1995 Residing at Price, Utah

Publication fee, $145.60

NOTARY PUBLIC
LINDA THAYN
611 NORTH 10TH EAST
PRICE, UT 84501
My Commission Expires Jan. 10, 1995
State of Utah

NOTICE

Notice is hereby given that Nevada Electric Investment Company ("NEICO"), operator of the Wellington Preparation Plant (Permit No. ACT/007/012), has submitted an application to the State of Utah, Division of Oil, Gas & Mining for a five-year permit renewal. The address for NEICO is P.O. Box 230, Las Vegas, Nevada 89102. The permit area is located in Carbon County, Utah. The boundaries have not changed from the previous permit and are described as follows:

Township 15 South, Range 11 East, SLBM
Section 8: SE¼ NE¼ , E½ SE¼ , W½ SE¼ except portion north of the railroad tracks
Section 9: S½ , portions of S½ N½
Section 10: W½ , SW¼
Section 15: W½ NW¼
Section 16: All
Section 17: E½ SE¼ , NE¼

The location of the application and pertinent comments from anyone affected by this proposal can be submitted to:

State of Utah, Dept. of Natural Resources
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

Published in the Sun Advocate October 18 and 25 and November 1 and 8, 1994.

GENWAL COAL COMPANY
CASTLE VALLEY RESOURCES
COAL MINING HYDROLOGICAL & RECLAMATION
4TH QUARTER, 1994

SUBMITTED BY:

CASTLE VALLEY RESOURCES
GENWAL COAL COMPANY
P.O. BOX 1201
HUNTINGTON, UTAH 84528

SUBMITTED TO:

DIVISION OF OIL, GAS & MINING
3 TRIAD CENTER, SUITE 350
355 WEST NORTH TEMPLE
SALT LAKE CITY, UTAH 84180-1203

C:QTRINSPE

E I S
ENVIRONMENTAL INDUSTRIAL SERVICES
4855 N. Spring Glen Rd., Spring Glen, UT 84526 - Telephone (801) 472-3814 - FAX (801) 472-8780

January 9, 1995

Genwal Coal Company
Mr. Randy Gainer
195 N. 100 W.
P.O. Box 1420

Re: Response to Information on NOV's.

Dear Randy:

On August 12, 1994, two of E.I.S. employees attempted to collect water samples at CVR. Heavy rain had made all roads inaccessible (severe rutting). The area was ruled "Not Accessible". On September 20, 1994, a second attempt was made with similar results. Jessy requested that the roads not be driven on due to excessive standing water and mud. Again, the area was ruled "Not Accessible". To compensate for the sample period of August, September samples were collected on 10/12/94 and again 11/29/94 for the fourth quarter.

On December 19, 1994, I inspected all MSHA Ponds at CVR in route to Washington for our Christmas vacation. I did not have my keys so noted the inspection in my daily log. The book was brought current upon my return.

I hope the preceding account will satisfy DOGM. If you or they have any questions, please feel free to call me.

Sincerely,

Melvin A. Coonrod

Nevada Electric Investment Company
Genwal Coal Company
P.O. Box 1420
Huntington, Utah 84528

MSHA I.D. #42-00099

Coal Refuse Piles

Quarterly Report

SITE NAME: Wellington Loadout Site

Refuse Pile	**Pile ID#**
Pond Refuse Pile	1211-UT-09-00099-05
Plant Refuse Pile	1211-UT-09-00099-01

Water impounding against toe: None

Fires on piles: None

Seepage, cracks, erosion problems or any other comments pertaining to the stability of the pile: No significant erosion problems noted at this time. Facilities appear to be stable.

I do hereby certify that all work and maintenance performed on the above refuse piles were done according to the approved design and plans.

R. J. Marshall No. 7933 STATE OF UTAH REGISTERED PROFESSIONAL ENGINEER

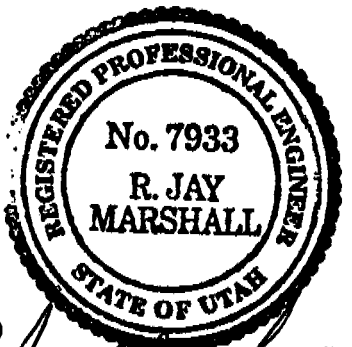
R.J. Marshall
Chief Engineer
Genwal Coal Company

30 Dec 94
Date

cc: Randy Gainer

Structural Stability Inspection:

POND	COMMENT
Sediment	All Ponds were dry and in good order. No significant erosion or structural failure indications are apparent on any of the pond embankments. Upper and lower Refuse and Clear Water Ponds have been inactive since 1985.
Roadside	
Auxiliary	
Dryer	
Pipeline Slurry	
Upper Refuse	
Lower Refuse	
Clear Water	



R J Marshall
Chief Engineer
Genwal Coal Company

30 Dec 94
Date

cc: Randy Gainer

WELLINGTON PREP

ACT/007/012

GENWAL COAL COMPANY

July 27, 1994

Mr. Daron Haddock
Division of Oil, Gas & Mining
3 Triad Center, Suite 350
355 West North Temple
Salt Lake City, UT 84180-1203

RE: Permit # ACT 007-012 #7
Nevada Electric Investment Co.
(Formerly Castle Valley Resources)
1994 2nd Quarter Coal Mining Hydrological
& Reclamation Report

Dear Mr. Haddock:

Enclosed please find Genwal Coal Company's 1994 2nd Quarter Hydrological & Reclamation Report which is being submitted in accordance to our Mining and Reclamation Plan.

Should you have any questions or need additional information, please feel free to contact me at 687-9813.

Sincerely,

GENWAL COAL COMPANY

R. Jay Marshall

R. J. Marshall
Chief Engineer

Pat Collins
801-489-6937

P.O. Box 1201 • Huntington, Utah 84528 • Telephone (801) 687-9813 • FAX (801) 687-9784

Nevada Electric Investment Company
Genwal Coal Company
P.O. Box 1420
Huntington, Utah 84528

MSHA I.D. #42-00099

Coal Refuse Piles

Quarterly Report

SITE NAME: Wellington Loadout Site

Refuse Pile	**Pile ID#**
Pond Refuse Pile	1211-UT-09-00099-05
Plant Refuse Pile	1211-UT-09-00099-01

Water impounding against toe: None

Fires on piles: None

Seepage, cracks, erosion problems or any other comments pertaining to the stability of the pile: No significant erosion problems noted at this time. Facilities appear to be stable.

I do hereby certify that all work and maintenance performed on the above refuse piles were done according to the approved design and plans.

REGISTERED PROFESSIONAL ENGINEER No. 7933 R. JAY MARSHALL

R. Jay Marshall

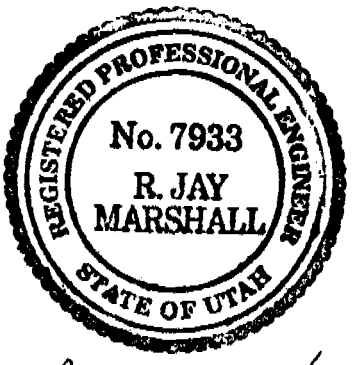
R.J. Marshall
Chief Engineer
Genwal Coal Company

25 May 94
Date

cc: L.W. Johnson

Structural Stability Inspection:

POND	COMMENT
Sediment	All Ponds were dry and in good order. No significant erosion or structural failure indications are apparent on any of the pond embankments. Upper and lower Refuse and Clear Water Ponds have been inactive since 1985.
Roadside	
Auxiliary	
Dryer	
Pipeline Slurry	
Upper Refuse	
Lower Refuse	
Clear Water	



R. Jay Marshall — 25 May 94

R.J. Marshall
Chief Engineer
Genwal Coal Company

Date

cc: L.W. Johnson

Nevada Electric Investment Company
Wellington Loadout Site

MSHA I.D. #42-00099

Quarterly Pond Report

This report addresses the following ponds:

POND	CAPACITY (cubic feet)	INSTRUMENTATION
Sediment #1	74,592	3 Depth Poles
Roadside	24,603	None
Auxiliary	34,265	None
Dryer	9,747	None
Pipeline Slurry	47,044	None
Upper Refuse	Unknown	None
Lower Refuse	52,272,000	None
Clear Water	8,058,600	None

PONDS	**SEDIMENT** (cubic feet)	**WATER** (cubic feet)	**EXISTING STORAGE CAPACITY** (%)
Sediment	None	Dry	100
Roadside	144	Dry	99
Auxiliary	464	Dry	99
Dryer	26	Dry	100
Pipeline Slurry	70	Dry	100
Upper Refuse	Unknown	Dry	Unknown
Lower Refuse	43,560,000	Dry	17
Clear Water	Unknown	Dry	N/A

1 Estimated

Fires in Impoundments: No evidence of fires or heat was noted.

GENWAL COAL COMPANY

April 27, 1994

Mr. Daron Haddock
Division of Oil, Gas & Mining
3 Triad Center, Suite 350
355 West North Temple
Salt Lake City, UT 84180-1203

RE: Permit # ACT 007-012
Castle Valley Resources
1994 1st Quarter Coal Mining Hydrological
& Reclamation Report

Route to Ken #7
File ACT/007/012 #12

Dear Mr. Haddock:

Enclosed please find Genwal Coal Company's 1994 1st Quarter Hydrological & Reclamation Report which is ~~being submitted~~ in accordance to our Mining and Reclamation Plan.

Should you have any questions or need additional information, please feel free to contact me at 687-9813.

Sincerely,

GENWAL COAL COMPANY

Larry W. Johnson
Genwal Coal Company

P.O. Box 1201 • Huntington, Utah 84528 • Telephone (801) 687-9813 • FAX (801) 687-9784

Daron
Route To ~~Al~~, then
file ACT/007/012 #40

MT NEBO SCIENTIFIC, INC.
research & consulting

Daron Haddock, Permit Supervisor
STATE OF UTAH, Department of Natural Resources
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180

→ Nov., Dec., Jan., Feb., + March

RE: MONTHLY FINES REPORT AT WELLINGTON

Dear Mr. Haddock:

Please find enclosed the "Monthly Reports for the Wellington Fines Removal Study" for *CASTLE VALLEY RESOURCES*.

Sincerely,

Patrick D. Collins

Patrick D. Collins, Ph.D.
Environmental Consultant

Enclosure

cc: Larry Johnson

330 East 400 South, Ste. 6, P.O. Box 337, Springville, Utah 84663
(801) 489-6937, (fax) 489-6779

GENWAL COAL COMPANY
CASTLE VALLEY RESOURCES
COAL MINING HYDROLOGICAL & RECLAMATION
1ST QUARTER, 1994

SUBMITTED BY:

CASTLE VALLEY RESOURCES
GENWAL COAL COMPANY
P.O. BOX 1201
HUNTINGTON, UTAH 84528

SUBMITTED TO:

DIVISION OF OIL, GAS & MINING
3 TRIAD CENTER, SUITE 350
355 WEST NORTH TEMPLE
SALT LAKE CITY, UTAH 84180-1203

Castle Valley Resources, Inc.
Wellington Preparation Plant

MSHA I.D. #42-00099

Quarterly Pond Report

This report addresses the following ponds:

POND	CAPACITY (cubic feet)	INSTRUMENTATION
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Pipeline Slurry	47,044	None
Upper Refuse	Unknown	None
Lower Refuse	52,272,000	None
Clear Water	8,058,600	None

PONDS	SEDIMENT (cubic feet)	WATER (cubic feet)	EXISTING STORAGE CAPACITY (%)
Sediment	None	Dry	100
Roadside	144	Dry	99
Auxiliary	464	Dry	99
Dryer	26	Dry	100
Pipeline Slurry	70	Dry	100
Upper Refuse	Unknown	Dry	Unknown
Lower Refuse	43,560,000	Dry	17
Clear Water	Unknown	Dry	N/A

1 Estimated

Fires in Impoundments: No evidence of fires or heat was noted.

Structural Stability Inspection:

POND	COMMENT
Sediment	All Ponds were dry and in good order. No significant erosion or structural failure indications are apparent on any of the pond embankments. Upper and lower Refuse and Clear Water Ponds have been inactive since 1985.
Roadside	
Auxiliary	
Dryer	
Pipeline Slurry	
Upper Refuse	
Lower Refuse	
Clear Water	

R.J. Marshall
Chief Engineer
Genwal Coal Company

3/17/94
Date

cc: L.W. Johnson

Castle Valley Resources, Inc.
P.O. Box 1282
Huntington, Utah 84528

MSHA I.D. #42-00099

Coal Refuse Piles

Quarterly Report

SITE NAME: Wellington Preparation Plant

Refuse Pile	Pile ID#
Pond Refuse Pile	1211-UT-09-00099-05
Plant Refuse Pile	1211-UT-09-00099-01

Water impounding against toe: None

Fires on piles: None

Seepage, cracks, erosion problems or any other comments pertaining to the stability of the pile: No significant erosion problems noted at this time. Facilities appear to be stable.

I do hereby certify that all work and maintenance performed on the above refuse piles were done according to the approved design and plans.

REGISTERED PROFESSIONAL ENGINEER No. 7933 R. J. MARSHALL STATE OF UTAH

R.J. Marshall
Chief Engineer
Genwal Coal Company

3/17/94
Date

cc: L.W. Johnson

MONTHLY REPORT
FOR THE
WELLINGTON FINES REMOVAL STUDY

to

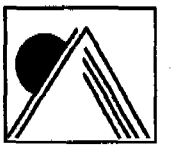
STATE OF UTAH
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180

for

CASTLE VALLEY RESOURCES, INC.
P.O. Box 1282
Huntington, Utah 84528

by

MT. NEBO SCIENTIFIC
P.O. Box 337
Springville, Utah 84663



March 18, 1994

MONTHLY REPORT
FOR THE
WELLINGTON FINES REMOVAL STUDY

Current Month - February 1994
Subsequent Month - March 1994

INTRODUCTION

As outlined in previous monthly reports, CASTLE VALLEY RESOURCES was granted authorization by the State of Utah, Division of Oil, Gas & Mining (DOGM) to conduct a pilot study to remove coal slurry fines from the pond areas at the Wellington site. Prior to DOGM approval (August 23, 1991), an application was submitted as an permit amendment (April 25, 1991) and deficiencies subsequently addressed (July 15, 1991). Refer to Appendix M of the MRP for these documents.

Primary purpose of the pilot study is to compare methodologies and costs for fines removal for reclamation and/or marketability.

Monthly Reports

With the authorization from DOGM, CASTLE VALLEY RESOURCES agreed to comply with several environmental and engineering provisions previously outlined in the submittal dated July 15, 1991. One of the stipulations was to present monthly reports to

DOGM summarizing the past month's activities, plus an outline of activities planned for the following month. This report will attempt to comply with these provisions.

CURRENT MONTH ACTIVITIES (February 1994)

The activities for the month of February will virtually the same as the previous months. CASTLE VALLEY RESOURCES is continuing to collaborate with engineering firms in feasibility studies for the future of the slurry fines. Progress has been made in this process and feasibility will continue to be explored.

As before, work will be conducted to pursue the possibility of using the pond area for future water storage for an industrial park.

SUBSEQUENT MONTH ACTIVITIES (March 1994)

Work will continue in March to explore the possibility of using the fines or selling them to potential customers. No significant changes in the plans are anticipated.

Work will also be conducted to pursue the possibility of using the pond area for future water storage for an industrial park and/or irrigation.

MONTHLY REPORT
FOR THE
WELLINGTON FINES REMOVAL STUDY

to

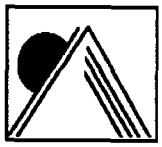
STATE OF UTAH
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180

for

CASTLE VALLEY RESOURCES, INC.
P.O. Box 1282
Huntington, Utah 84528

by

MT. NEBO SCIENTIFIC
P.O. Box 337
Springville, Utah 84663



February 11, 1994

MONTHLY REPORT
FOR THE
WELLINGTON FINES REMOVAL STUDY

Current Month - January 1994
Subsequent Month - February 1994

INTRODUCTION

As outlined in previous monthly reports, CASTLE VALLEY RESOURCES was granted authorization by the State of Utah, Division of Oil, Gas & Mining (DOGM) to conduct a pilot study to remove coal slurry fines from the pond areas at the Wellington site. Prior to DOGM approval (August 23, 1991), an application was submitted as an permit amendment (April 25, 1991) and deficiencies subsequently addressed (July 15, 1991). Refer to Appendix M of the MRP for these documents.

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DOGM summarizing the past month's activities, plus an outline of activities planned for the following month. This report will attempt to comply with these provisions.

CURRENT MONTH ACTIVITIES (January 1994)

The activities for the month of January will virtually the same as the previous months. CASTLE VALLEY RESOURCES is continuing to collaborate with engineering firms in feasibility studies for the future of the slurry fines. Progress has been made in this process and feasibility will continue to be explored.

As before, work will be conducted to pursue the possibility of using the pond area for future water storage for an industrial park.

SUBSEQUENT MONTH ACTIVITIES (February 1994)

Work will continue in February to explore the possibility of using the fines or selling them to potential customers. No significant changes in the plans are anticipated.

Work will also be conducted to pursue the possibility of using the pond area for future water storage for an industrial park and/or irrigation.

007/012 #6

GENWAL COAL COMPANY

January 17, 1994

Mr. Daron Haddock
Division of Oil, Gas & Mining
3 Triad Center, Suite 350
355 West North Temple
Salt Lake City, UT 84180-1203

RE: Permit # ACT 007-012
Castle Valley Resources
1993 4th Quarter Coal Mining Hydrological
& Reclamation Report

Dear Mr. Haddock:

Enclosed please find Genwal Coal Company's 1993 4thQuarter Hydrological & Reclamation Report which is being submitted in accordance to our Mining and Reclamation Plan.

Should you have any questions or need additional information, please feel free to contact me at 687-9813.

Sincerely,

GENWAL COAL COMPANY

Larry W. Johnson
Engineer
Genwal Coal Company

P.O. Box 1201 • Huntington, Utah 84528 • Telephone (801) 687-9813 • FAX (801) 687-9784

MONTHLY REPORT
FOR THE
WELLINGTON FINES REMOVAL STUDY

to

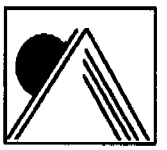
STATE OF UTAH
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180

for

CASTLE VALLEY RESOURCES, INC.
P.O. Box 1282
Huntington, Utah 84528

by

MT. NEBO SCIENTIFIC
P.O. Box 337
Springville, Utah 84663



January 10, 1994

MONTHLY REPORT
FOR THE
WELLINGTON FINES REMOVAL STUDY

Current Month - December 1993
Subsequent Month - January 1994

INTRODUCTION

As outlined in previous monthly reports, CASTLE VALLEY RESOURCES was granted authorization by the State of Utah, Division of Oil, Gas & Mining (DOGM) to conduct a pilot study to remove coal slurry fines from the pond areas at the Wellington site. Prior to DOGM approval (August 23, 1991), an application was submitted as an permit amendment (April 25, 1991) and deficiencies subsequently addressed (July 15, 1991). Refer to Appendix M of the MRP for these documents.

Primary purpose of the pilot study is to compare methodologies and costs for fines removal for reclamation and/or marketability.

Monthly Reports

With the authorization from DOGM, CASTLE VALLEY RESOURCES agreed to comply with several environmental and engineering provisions previously outlined in the submittal dated July 15, 1991. One of the stipulations was to present monthly reports to

DOGM summarizing the past month's activities, plus an outline of activities planned for the following month. This report will attempt to comply with these provisions.

CURRENT MONTH ACTIVITIES (December 1993)

The activities for the month of December will virtually the same as the previous months. CASTLE VALLEY RESOURCES is continuing to collaborate with engineering firms in feasibility studies for the future of the slurry fines. Progress has been made in this process and feasibility will continue to be explored.

As before, work will be conducted to pursue the possibility of using the pond area for future water storage for an industrial park.

SUBSEQUENT MONTH ACTIVITIES (January 1994)

Work will continue in January to explore the possibility of using the fines or selling them to potential customers. No significant changes in the plans are anticipated.

Work will also be conducted to pursue the possibility of using the pond area for future water storage for an industrial park and/or irrigation.

MONTHLY REPORT
FOR THE
WELLINGTON FINES REMOVAL STUDY

to

STATE OF UTAH
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180

for

CASTLE VALLEY RESOURCES, INC.
P.O. Box 1282
Huntington, Utah 84528

by

MT. NEBO SCIENTIFIC
P.O. Box 337
Springville, Utah 84663

December 13, 1993

MONTHLY REPORT
FOR THE
WELLINGTON FINES REMOVAL STUDY

Current Month - November 1993
Subsequent Month - December 1993

INTRODUCTION

As outlined in previous monthly reports, CASTLE VALLEY RESOURCES was granted authorization by the State of Utah, Division of Oil, Gas & Mining (DOGM) to conduct a pilot study to remove coal slurry fines from the pond areas at the Wellington site. Prior to DOGM approval (August 23, 1991), an application was submitted as an permit amendment (April 25, 1991) and deficiencies subsequently addressed (July 15, 1991). Refer to Appendix M of the MRP for these documents.

Primary purpose of the pilot study is to compare methodologies and costs for fines removal for reclamation and/or marketability.

Monthly Reports

With the authorization from DOGM, CASTLE VALLEY RESOURCES agreed to comply with several environmental and engineering provisions previously outlined in the submittal dated July 15, 1991. One of the stipulations was to present monthly reports to

DOGM summarizing the past month's activities, plus an outline of activities planned for the following month. This report will attempt to comply with these provisions.

CURRENT MONTH ACTIVITIES (November 1993)

The activities for the month of November will virtually the same as the previous months. CASTLE VALLEY RESOURCES is continuing to collaborate with engineering firms in feasibility studies for the future of the slurry fines. Progress has been made in this process and feasibility will continue to be explored.

As before, work will be conducted to pursue the possibility of using the pond area for future water storage for an industrial park.

SUBSEQUENT MONTH ACTIVITIES (December 1993)

Work will continue in December to explore the possibility of using the fines or selling them to potential customers. No significant changes in the plans are anticipated.

Work will also be conducted to pursue the possibility of using the pond area for future water storage for an industrial park and/or irrigation.

GENWAL COAL COMPANY
CASTLE VALLEY RESOURCES
COAL MINING HYDROLOGICAL & RECLAMATION
4TH QUARTER, 1993

SUBMITTED BY:

CASTLE VALLEY RESOURCES
GENWAL COAL COMPANY
P.O. BOX 1282
HUNTINGTON, UTAH 84528

SUBMITTED TO:

DIVISION OF OIL, GAS & MINING
3 TRIAD CENTER, SUITE 350
355 WEST NORTH TEMPLE
SALT LAKE CITY, UTAH 84180-1203

Castle Valley Resources, Inc.
Wellington Preparation Plant

MSHA I.D. #42-00099

Quarterly Pond Report

This report addresses the following ponds:

POND	CAPACITY (cubic feet)	INSTRUMENTATION
Sediment #1	74,592	3 Depth Poles
Roadside	24,603	None
Auxiliary	34,265	None
Dryer	9,747	None
Pipeline Slurry	47,044	None
Upper Refuse	Unknown	None
Lower Refuse	52,272,000	None
Clear Water	8,058,600	None

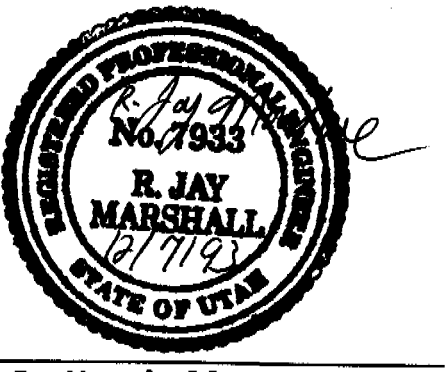
PONDS	SEDIMENT (cubic feet)	WATER (cubic feet)	EXISTING STORAGE CAPACITY (%)
Sediment	None	Dry	100
Roadside	144	Dry	99
Auxiliary	464	Dry	99
Dryer	26	Dry	100
Pipeline Slurry	70	Dry	100
Upper Refuse	Unknown	Dry	Unknown
Lower Refuse	43,560,000	Dry	17
Clear Water	Unknown	Dry	N/A

1 Estimated

Fires in Impoundments: No evidence of fires or heat was noted.

Structural Stability Inspection:

POND	COMMENT
Sediment	All Ponds were dry and in good order. No significant erosion or structural failure indications are apparent on any of the pond embankments. Upper and lower Refuse and Clear Water Ponds have been inactive since 1985.
Roadside	
Auxiliary	
Dryer	
Pipeline Slurry	
Upper Refuse	
Lower Refuse	
Clear Water	



R.J. Marshall
Chief Engineer
Genwal Coal Company

12/7/93
Date

cc: L.W. Johnson

Castle Valley Resources, Inc.
P.O. Box 1282
Huntington, Utah 84528

MSHA I.D. #42-00099

Coal Refuse Piles

Quarterly Report

SITE NAME: Wellington Preparation Plant

Refuse Pile	Pile ID#
Pond Refuse Pile	1211-UT-09-00099-05
Plant Refuse Pile	1211-UT-09-00099-01

Water impounding against toe: None

Fires on piles: None

Seepage, cracks, erosion problems or any other comments pertaining to the stability of the pile: No significant erosion problems noted at this time. Facilities appear to be stable.

I do hereby certify that all work and maintenance performed on the above refuse piles were done according to the approved design and plans.

REGISTERED PROFESSIONAL ENGINEER No. 7933 R. JAY MARSHALL STATE OF UTAH

R. Jay Marshall
Chief Engineer
General Coal Company

12/7/93
Date

cc: L.W. Johnson

MONTHLY REPORT
FOR THE
WELLINGTON FINES REMOVAL STUDY

to

STATE OF UTAH
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180

for

CASTLE VALLEY RESOURCES, INC.
P.O. Box 1282
Huntington, Utah 84528

by

MT. NEBO SCIENTIFIC
P.O. Box 337
Springville, Utah 84663

November 12, 1993

MONTHLY REPORT
FOR THE
WELLINGTON FINES REMOVAL STUDY

Current Month - October 1993
Subsequent Month - November 1993

INTRODUCTION

As outlined in previous monthly reports, CASTLE VALLEY RESOURCES was granted authorization by the State of Utah, Division of Oil, Gas & Mining (DOGM) to conduct a pilot study to remove coal slurry fines from the pond areas at the Wellington site. Prior to DOGM approval (August 23, 1991), an application was submitted as an permit amendment (April 25, 1991) and deficiencies subsequently addressed (July 15, 1991). Refer to Appendix M of the MRP for these documents.

Primary purpose of the pilot study is to compare methodologies and costs for fines removal for reclamation and/or marketability.

Monthly Reports

With the authorization from DOGM, CASTLE VALLEY RESOURCES agreed to comply with several environmental and engineering provisions previously outlined in the submittal dated July 15, 1991. One of the stipulations was to present monthly reports to DOGM summarizing the past month's activities, plus an outline of activities planned for the following month. This report will attempt to comply with these provisions.

CURRENT MONTH ACTIVITIES (October 1993)

The activities for the month of October will virtually the same as the previous months. CASTLE VALLEY RESOURCES is continuing to collaborate with engineering firms in feasibility studies for the future of the slurry fines. Progress has been made in this process and feasibility will continue to be explored.

As before, work will be conducted to pursue the possibility of using the pond area for future water storage for an industrial park.

SUBSEQUENT MONTH ACTIVITIES (November 1993)

Work will continue in November to explore the possibility of using the fines or selling them to potential customers. No significant changes in the plans are anticipated.

Work will also be conducted to pursue the possibility of using the pond area for future water storage for an industrial park and/or irrigation.

ACT/007/012

CASTLE VALLEY RESOURCES, INC.

MARKETING FOR
GENWAL COAL PRODUCTION

PRIDE & PERFORMANCE

P.O. BOX 1282 • HUNTINGTON, UTAH 84528 • (801) 687-9813 • FAX (801) 687-9784

October 28,1993

Mr. Daron Haddock
Division of Oil, Gas & Mining
3 Triad Center, Suite 350
355 West North Temple
Salt Lake City, UT 84180-1203

RE: Permit # ACT 007-012
Castle Valley Resources
1993 3rd Quarter Coal Mining Hydrological
& Reclamation Report

Dear Mr. Haddock:

Enclosed please find Genwal Coal Company's 3rd Quarter Hydrological & Reclamation Report which is being submitted in accordance to our Mining and Reclamation Plan.

Should you have any questions or need additional information, please feel free to contact me at 687-9813.

Sincerely,

GENWAL COAL COMPANY

Larry W. Johnson
Engineer
Genwal Coal Company

CASTLE VALLEY RESOURCES, INC.
MARKETING FOR
GENWAL COAL PRODUCTION
PRIDE & PERFORMANCE

P.O. BOX 1282 • HUNTINGTON, UTAH 84528 • (801) 687-9813 • FAX (801) 687-9784

GENWAL COAL COMPANY
CASTLE VALLEY RESOURCES
COAL MINING HYDROLOGICAL & RECLAMATION
3RD QUARTER, 1993

SUBMITTED BY:

CASTLE VALLEY RESOURCES
GENWAL COAL COMPANY
P.O. BOX 1282
HUNTINGTON, UTAH 84528

SUBMITTED TO:

DIVISION OF OIL, GAS & MINING
3 TRIAD CENTER, SUITE 350
355 WEST NORTH TEMPLE
SALT LAKE CITY, UTAH 84180-1203

Castle Valley Resources, Inc.
Wellington Preparation Plant

MSHA I.D. #42-00099

Quarterly Pond Report

This report addresses the following ponds:

POND	CAPACITY (cubic feet)	INSTRUMENTATION
Sediment #1	74,592	3 Depth Poles
Roadside	24,603	None
Auxiliary	34,265	None
Dryer	9,747	None
Pipeline Slurry	47,044	None
Upper Refuse	Unknown	None
Lower Refuse	52,272,000	None
Clear Water	8,058,600	None

PONDS	SEDIMENT (cubic feet)	WATER (cubic feet)	EXISTING STORAGE CAPACITY (%)
Sediment	None	Dry	100
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Auxiliary	464	Dry	99
Dryer	26	Dry	100
Pipeline Slurry	70	Dry	100
Upper Refuse	Unknown	Dry	Unknown
Lower Refuse	43,560,000	Dry	17
Clear Water	~~Unknown~~ N.A.	Dry	~~Unknown~~ N.A.

1 Estimated

Fires in Impoundments: No evidence of fires or heat was noted.

Structural Stability Inspection:

POND	COMMENT
Sediment	All Ponds were dry and in good order. No significant erosion or structural failure indications are apparent on any of the pond embankments. Upper and lower Refuse and Clear Water Ponds have been inactive since 1985.
Roadside	
Auxiliary	
Dryer	
Pipeline Slurry	
Upper Refuse	
Lower Refuse	
Clear Water	

R.B. Marshall
Chief Engineer
Genwal Coal Company

9/30/93
Date

cc: L.W. Johnson

Castle Valley Resources, Inc.
P.O. Box 1282
Huntington, Utah 84528

MSHA I.D. #42-00099

Coal Refuse Piles

Quarterly Report

SITE NAME: Wellington Preparation Plant

Refuse Pile	Pile ID#
Pond Refuse Pile	1211-UT-09-00099-05
Plant Refuse Pile	1211-UT-09-00099-01

Water impounding against toe: None

Fires on piles: None

Seepage, cracks, erosion problems or any other comments pertaining to the stability of the pile: No significant erosion problems noted at this time. Facilities appear to be stable.

I do hereby certify that all work and maintenance performed on the above refuse piles were done according to the approved design and plans.

REGISTERED PROFESSIONAL ENGINEER #7933 R. J. MARSHALL STATE OF UTAH

R.J. Marshall
Chief Engineer
Genwal Coal Company

9/30/93
Date

cc: L.W. Johnson

007/012 #16

CASTLE VALLEY RESOURCES, INC.

MARKETING FOR
GENWAL COAL PRODUCTION

PRIDE & PERFORMANCE

P.O. BOX 1282 • HUNTINGTON, UTAH 84528 • (801) 687-9813 • FAX (801) 687-9784

July 12,1993

Mr. Daron Haddock
Division of Oil, Gas & Mining
3 Triad Center, Suite 350
355 West North Temple
Salt Lake City, UT 84180-1203

RE: Permit # ACT 007-012
Castle Valley Resources
1993 2nd Quarter Coal Mining Hydrological
& Reclamation Report

Dear Mr. Haddock:

Enclosed please find Genwal Coal Company's 2nd Quarter Hydrological & Reclamation Report which is being submitted in accordance to our Mining and Reclamation Plan.

Should you have any questions or need additional information, please feel free to contact me at 687-9813.

Sincerely,

GENWAL COAL COMPANY

Larry W. Johnson
Engineer
Genwal Coal Company

CASTLE VALLEY RESOURCES, INC.

PRIDE & PERFORMANCE

P.O. BOX 766 · WELLINGTON, UTAH 84542 · (801) 637-2342 · FAX (801) 637-9712

GENWAL COAL COMPANY
CASTLE VALLEY RESOURCES
COAL MINING HYDROLOGICAL & RECLAMATION
2ND QUARTER, 1993

SUBMITTED BY:

CASTLE VALLEY RESOURCES
GENWAL COAL COMPANY
P.O. BOX 1282
HUNTINGTON, UTAH 84528

SUBMITTED TO:

DIVISION OF OIL, GAS & MINING
3 TRIAD CENTER, SUITE 350
355 WEST NORTH TEMPLE
SALT LAKE CITY, UTAH 84180-1203

RECEIVED
JUL 14 1993
DIVISION OF
OIL GAS & MINING

Castle Valley Resources, Inc.
Wellington Preparation Plant

MSHA I.D. #42-00099

Quarterly Pond Report

This report addresses the following ponds:

POND	CAPACITY (cubic feet)	INSTRUMENTATION
Sediment #1	74,592	3 Depth Poles
Roadside	24,603	None
Auxiliary	34,265	None
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1 Estimated

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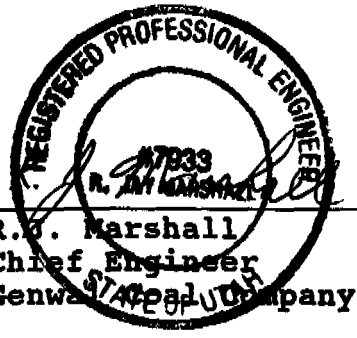
Lower Refuse	
Clear Water	



R.J. Marshall
Chief Engineer
Genwal Coal Company

6/30/93
Date

cc: L.W. Johnson

Castle Valley Resources, Inc.
P.O. Box 1282
Huntington, Utah 84528

MSHA I.D. #42-00099

Coal Refuse Piles

Quarterly Report

SITE NAME: Wellington Preparation Plant

Refuse Pile	Pile ID#
Pond Refuse Pile	1211-UT-09-00099-05
Plant Refuse Pile	1211-UT-09-00099-01

Water impounding against toe: None

Fires on piles: None

Seepage, cracks, erosion problems or any other comments pertaining to the stability of the pile: No significant erosion problems noted at this time. Facilities appear to be stable.

I do hereby certify that all work and maintenance performed on the above refuse piles were done according to the approved design and plans.

REGISTERED PROFESSIONAL ENGINEER 17933 STATE OF UTAH

R.J. Marshall
Chief Engineer
Genwal Coal Company

6/30/93
Date

cc: L.W. Johnson

007/012 #7
CC: Steve D.

State of Utah
DEPARTMENT OF ENVIRONMENTAL QUALITY
DIVISION OF WATER QUALITY

Michael O. Leavitt
Governor
Dianne R. Nielson, Ph.D.
Executive Director
Don A. Ostler, P.E.
Director

288 North 1460 West
P.O. Box 144870
Salt Lake City, Utah 84114-4870
(801) 538-6146
(801) 538-6016 Fax
(801) 536-4414 T.D.D.

June 29, 1993

CERTIFIED MAIL
(Return Receipt Requested)

Mr. Candy Manzanares
Castle Valley Resources
P.O. Box 766
Wellington, Utah 84542

Re: General Permit No. UTG040010--Coal Mining, Castle Valley Resources

Dear Mr. Manzanares:

Enclosed is your copy of the signed general permit. Coverage shall begin on July 1, 1993 and all the requirements and conditions of the permit will be in effect at that time. Preprinted Discharge Monitoring Report Forms (EPA Form 3320-1), for self-monitoring and reporting requirements as specified in the permit, will be sent to you as soon as they are printed.

A fee schedule was included in the Utah Department of Environmental Quality budget appropriation request at the direction of the Legislature and in accordance with Utah Code Annotated 19-1-201. The fee schedule, as approved by the Legislature, includes a charge for the issuance of a UPDES permit. Please remit $1,800.00 within 30 days of receipt of this letter to:

Department of Environmental Quality
Division of Water Quality
288 North 1460 West
P.O. Box 144870
Salt Lake City, Utah 84114-4870

If you have any questions, please contact Mike Herkimer at (801) 538-6146.

Sincerely,

Donald A. Hilden, Ph.D., Manager
Permits and Compliance Section

KC/kc
Enclosure
cc: Division of Oil, Gas & Mining w/encl.
Claron D. Bjork, Southeastern Utah District Health Dept. w/encl.
Dave Ariotti, District Engineer w/encl.

STATE OF UTAH
DIVISION OF WATER QUALITY
DEPARTMENT OF ENVIRONMENTAL QUALITY
SALT LAKE CITY, UTAH

AUTHORIZATION TO DISCHARGE UNDER THE

UTAH POLLUTANT DISCHARGE ELIMINATION SYSTEM (UPDES)

GENERAL PERMIT FOR COAL MINING

In compliance with provisions of the Utah *Water Quality Act, Title 19, Chapter 5, Utah Code Annotated ("UCA") 1953, as amended* (the *"Act"*),

Castle Valley Resources, Wellington Preparation Plant, located at 600 Washplant Road in Wellington Utah, as identified in the Notice of Intent, application UTG040010, is authorized to discharge to the Price River, in accordance with discharge point(s), effluent limitations, monitoring requirements and other conditions set forth herein.

This permit shall become effective on July 1, 1993.

This general permit and the authorization to discharge shall expire at midnight, April 30, 1998.

Signed this 29th day of June, 1993.

Authorized Permitting Official
Executive Secretary
Utah Water Quality Board

TABLE OF CONTENTS

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

A. Definitions.

1. The "30-day (and monthly) average" is the arithmetic average of all samples collected during a consecutive 30-day period or calendar month, whichever is applicable. The calendar month shall be used for purposes of reporting self-monitoring data on discharge monitoring report forms.

2. The "7-day (and weekly) average" is the arithmetic average of all samples collected during a consecutive 7-day period or calendar week, whichever is applicable. The 7-day and weekly averages are applicable only to those effluent characteristics for which there are 7-day average effluent limitations. The calendar week which begins on Sunday and ends on Saturday, shall be used for purposes of reporting self- monitoring data on discharge monitoring report forms. Weekly averages shall be calculated for all calendar weeks with Saturdays in the month. If a calendar week overlaps two months (i.e., the Sunday is in one month and the Saturday in the following month), the weekly average calculated for that calendar week shall be included in the data for the month that contains the Saturday.

3. "Daily Maximum" ("Daily Max.") is the maximum value allowable in any single sample or instantaneous measurement.

4. "Composite samples" shall be flow proportioned. The composite sample shall, as a minimum, contain at least four (4) samples collected over the composite sample period. Unless otherwise specified, the time between the collection of the first sample and the last sample shall not be less than six (6) hours nor more than 24 hours. Acceptable methods for preparation of composite samples are as follows:

   a. Constant time interval between samples, sample volume proportional to flow rate at time of sampling;

   b. Constant time interval between samples, sample volume proportional to total flow (volume) since last sample. For the first sample, the flow rate at the time the sample was collected may be used;

   c. Constant sample volume, time interval between samples proportional to flow (i.e., sample taken every "X" gallons of flow); and,

   d. Continuous collection of sample, with sample collection rate proportional to flow rate.

5. A "grab" sample, for monitoring requirements, is defined as a single "dip and take" sample collected at a representative point in the discharge stream.

6. "Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology-based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

7. "Bypass" means the intentional diversion of waste streams from any portion of a treatment facility.

8. "Severe property damage" means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

9. "Executive Secretary" means Executive Secretary of the Utah Water Quality Board.

10. "EPA" means the United States Environmental Protection Agency.

11. "Act" means the "*Utah Water Quality Act*".

12. "Best Management Practices" ("*BMPs*") means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of waters of the State. *BMPs* also include treatment requirements, operating procedures, and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.

13. "*CWA*" means *Federal Water Pollution Control Act*, as amended, by *The Clean Water Act of 1987.*

14. "Point Source" means any discernible, confined, and discrete conveyance, including but not limited to, any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, landfill leachate collection system, vessel or other floating craft from which pollutants are or may be discharges.

15. "Significant spills" includes, but is not limited to: releases of oil or hazardous substances in excess of reportable quantities under *Section 311* of the *Clean Water Act* (see *40 CFR 110.10* and *40 CFR 117.21*) or *Section 102* of *CERCLA* (see *40 CFR 302.4*).

16. "Storm water" means storm water runoff, snow melt runoff, and surface runoff and drainage.

17. "Waste pile" means any noncontainerized accumulation of solid, nonflowing waste that is used for treatment or storage.

18. "10-year, 24-hour precipitation event" means the maximum 24-hour precipitation event with a probable reoccurrence interval of once in 10 years. This information is available in *Weather Bureau Technical Paper No. 40*, May 1961 and *NOAA Atlas 2*, 1973 for the 11 Western States, and may be obtained from the National Climatic Center of the Environmental Data Service, National Oceanic and Atmospheric Administration, U.S. Department of Commerce.

19. The term "coal preparation plant" means a facility where coal is crushed, screened, sized, cleaned, dried, or otherwise prepared and loaded for transit to a consuming facility.

20. The term "coal preparation plant associated areas" means the coal preparation plant yards, immediate access roads, coal refuse piles, and coal storage piles and facilities.

21. "Alkaline mine drainage" means mine drainage which before any treatment has a pH equal to or greater than 6.0 and total iron concentration less than 10 mg/l.

22. The term "settleable solids" is that matter measured by the volumetric method specified below:

Fill an Imhoff cone to the one-liter mark with a thoroughly mixed sample. Allow to settle undisturbed for 45 minutes. Gently stir along the inside surface of the cone with a stirring rod. Allow to settle undisturbed for 15 minutes longer. Record the volume of settled material in the cone as milliliters per liter. Where a separation of settleable and floating material occurs, do not include the floating material in the reading.

B. Criteria for Inclusion in the General Permit for Coal Mining

This General permit shall apply only to the discharge of treated wastewater from:

Coal mining operations either new or existing in Utah which include or will include in part or in a whole alkaline mine water drainage, storm water runoff from coal preparation plant associated areas, active mining areas, and post mining areas until the performance bond is released. The total amount of total dissolved solids discharged from all mine water and decant operations is limited to one ton per day.

C. Notice of Intent for a General Permit for Coal Mining

Any facility which desires a general permit for coal mining and meets the requirements of Part I.B. can be issued a general permit by submitting a notice of intent (NOI) to the Division of Water Quality and EPA at the addresses listed on page 10 of this permit.

The NOI shall include:

a. A completed Environmental Protection Agency Application (EPA Form 3510-1) or equivalent information.

b. Location and identification number (such as 001, 002, etc.) of each existing discharge and/or proposed discharge point(s). This includes the latitude and longitude to the nearest 15 seconds and the name of the receiving water(s).

c. A description of the source of the wastewater for each discharge point.

d. A description of the treatment given or proposed for the wastewater at each discharge point and if necessary a justification of why no treatment is required.

e. Flow characteristics for each discharge point such as whether flow is or will be continuous or intermittent and indicate projected and/or actual average and maximum flows in gpd.

f. Data for each discharge point for the following parameters:

1) Biochemical oxygen demand (BOD_5)
2) Chemical oxygen demand (COD)
3) Total organic carbon (TOC)
4) Total suspended solids (TSS)
5) Flow
6) Ammonia (as N)

7) Oil and grease
8) Temperature
9) pH
10) Total dissolved solids (TDS)
11) Total iron and metals, cyanide, phenols located in Table III UAC R317-8-3.12
12) Date and time of sampling for each parameter
13) Date and time of analysis for each parameter
14) Utah certified laboratory which has completed the analysis for each parameter

If no data is available, indicate why the data is not available.
The Executive Secretary may waive the reporting requirements for any of these pollutants and parameters if the applicant submits a request for such a waiver before or with the NOI which demonstrates that information adequate to support issuance of the permit can be obtained through less stringent reporting requirements.

g. For each discharge point the presence or absence of any toxic and/or priority pollutants as listed by EPA in *40 CFR Part 403.*

h. Best management practice plan or sediment runoff control plan approved by the Division of Oil, Gas and Mining.

D Description of Discharge Point(s).

The authorization to discharge provided under this permit is limited to those outfalls specifically designated below as discharge locations. Discharges at any location not authorized under a UPDES permit is a violation of the *Act* and may be subject to penalties under the *Act.* Knowingly discharging from an unauthorized location or failing to report an unauthorized discharge may be subject to criminal penalties as provided under the *Act.*

Outfall Number	Location of Discharge Point(s)
003	Slurry pipeline pond Latitude 39° 31' 28" and Longitude 110° 41' 41"
004	Heat dryer pond Latitude 39° 31' 27" and Longitude 110° 41' 42"
005	Lower track near bend Latitude 39° 30' 56" and Longitude 110° 40' 58"
006	Upper track near main line Latitude 39° 31' 52" and Longitude 110° 42' 15"
007	Above track hopper near main line Latitude 39° 31' 35" and Longitude 110° 42' 00"
008	Big ditch along Price River, along top soil pile Latitude 39° 31' 56" and Longitude 110° 41' 43"

E. Narrative Standard.

It shall be unlawful, and a violation of this permit, for the permittee to discharge or place any waste or other substance in such a way as will be or may become offensive such as unnatural deposits, floating debris, oil, scum or other nuisances such as color, odor or taste, or conditions which produce undesirable aquatic life or which produces objectionable tastes in edible aquatic organisms; or concentrations or combinations of substances which produce undesirable physiological responses in desirable resident fish, or other desirable aquatic life, or undesirable human health effects, as determined by bioassay or other tests performed in accordance with standard procedures.

F. Specific Limitations and Self-monitoring Requirements.

1. Effective immediately and lasting the duration of this permit, the permittee is authorized to discharge from Outfall __. Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristics	Discharge Limitations a/ Average 30-Day	Average 7-Day	Daily Maximum	Monitoring Requirements Measurement Frequency	Sample Type
Flow, gpd	NA	NA	NA	Monthly	Measured b/
Oil & Grease, mg/L	NA	NA	10	Monthly	Grab
Total Suspended Solids, mg/L	25	35	70	Monthly	Grab e/
Total Iron, mg/l	NA	NA	1.0 c/	Monthly	Grab e/
Total Dissolved Solids lbs/day	NA	NA	d/	Monthly	Grab e/

The pH shall not be less than 6.5 standard units nor greater than 9.0 standard units in any sample and shall be monitored monthly by a grab sample.

There shall be no visible sheen or floating solids or visible foam in other than trace amounts.

There shall be no discharge of sanitary wastes or any process water from coal preparation plants.

N.A. - Not Applicable.

a/ See Definitions, *Part I.A* for definition of terms.

b/ For intermittent discharge, the duration of the discharge shall be reported along with the flow.

c/ Values up to 2 mg/l may be approved where the permittee provides sufficient information that water quality standards will not be violated.

d/ The total amount of total dissolved solids (TDS) discharged from all mine water and decant operations is limited to one ton (2000 pounds) per day.

e/ These samples may also be a composite sample.

2. Samples taken in compliance with the monitoring requirements specified above shall be taken from the effluent before mixing with any receiving water.

3. Any overflow, increase in volume of a discharge or discharge from a bypass system caused by precipitation within any 24-hour period less than or equal to the 10-year, 24-hour precipitation event (or snowmelt of equivalent volume) at all surface runoff pond (outfalls) may comply with the following limitation instead of the total suspended solids limitations contained in Part I.F.1:

Effluent Characteristics	Daily Maximum
Settleable Solids	0.5 mL/L

In addition to the monitoring requirements specified under Part I.F.1, all effluent samples collected during storm water discharge events shall also be analyzed for settleable solids. Such analyses shall be conducted on either grab or composite samples.

4. Any overflow, increase in volume of a discharge or discharge from a bypass system caused by precipitation within any 24-hour period greater than the 10-year, 24-hour precipitation event (or snowmelt of equivalent volume) at all surface runoff pond outfalls may comply with the following limitations instead of the otherwise applicable limitations:

The pH shall not be less than 6.5 standard units nor greater than 9.0 standard units. However, as stated under Part I.F.3, all effluent samples collected at all surface runoff pond outfalls during storm water discharge events shall be analyzed for settleable solids and the parameters identified under Part I.F.1.

5. The operator shall have the burden of proof that the discharge or increase in discharge was caused by the applicable precipitation event described in Parts I.F.3. and F.4. The alternate limitation in Parts I.F.4. and F.5. shall not apply to treatment systems that treat underground mine water only.

6. Best Management Practices.

a. The company shall implement and maintain best management practices for the control of road salt storage for areas discharging to waters of the State. This shall include enclosure or coverage to prevent exposure to precipitation, except exposure resulting from adding or removing materials from the pile. Dischargers shall demonstrate compliance with the enclosure provision as expeditiously as practicable, but in no event later than October 1, 1995.

b. The facility must minimize the discharge of salt by using the largest practicable amount of saline water for process and dust control. After April 30, 1994 there shall be no use of gypsum for rock dusting unless the permittee provides sufficient information to the Executive Secretary such that approval is granted based upon the Colorado River Basin Salinity Control Forum Policies and the fact that it will not significantly increase total dissolved solids concentrations.

c. Sediment and Erosion Control. Within six months of permit issuance, the permittee shall develop a stormwater pollution prevention plan which identifies areas which, due to topography, road construction with waste materials, other activities, or other factors, have a high potential for significant soil erosion, and identify structural, vegetative, and/or stabilization measures to limit erosion. (The general permit for storm water discharges associated with industrial activity contains information for developing a satisfactory plan).

d. Management of Runoff. The stormwater pollution prevention plan shall be implemented as soon as practical but no later than one year after permit issuance. Appropriate measures for small areas may include: silt fences, sediment traps, vegetative swales and practices, reuse of collected storm water (such as for a process or as an irrigation source), inlet controls (such as oil/water separators), snow management activities, infiltration deicers, and wet detention/retention devices.

e. Comprehensive Site Compliance Evaluation. Qualified personnel shall conduct site compliance evaluations at appropriate intervals specified in the stormwater pollution prevention plan, but in no case less than once a year. Such evaluations shall provide:

(1) Areas contributing to a storm water discharge associated with industrial activity shall be visually inspected for evidence of, or the potential for, pollutants entering the drainage system. Measures to reduce pollutant loadings shall be evaluated to determine whether they are adequate and properly implemented in accordance with the terms of the permit or whether additional control measures are needed.

(2) Based on the results of the inspection, the description of potential pollutant sources identified in the plan and pollution prevention measures and controls identified in the plan shall be revised as appropriate within two weeks of such inspection and shall provide for implementation of any changes to the plan in a timely manner, but in no case more than twelve weeks after the inspection.

(3) A report summarizing the scope of the inspection, personnel making the inspection, the date(s) of the inspection, major observations relating to the implementation of the storm water pollution prevention plan, and actions taken shall be made and retained as part of the storm water pollution prevention plan for at least one year after coverage under this permit terminates. The report shall identify any incidents of non-compliance. Where a report does not identify any incidents of non-compliance, the report shall contain a certification that the facility is in compliance with the storm water pollution prevention plan and this permit. The report shall be signed in accordance with *Part IV.G Signatory Requirements* of this permit.

(4) Where annual site inspections are shown in the plan to be impractical for inactive mining sites due to the remote location and inaccessibility of the site, site inspections required under this part shall be conducted at appropriate intervals specified in the plan, but, in no case less than once in three years.

f. Consistency with other plans. Plans may reflect requirements for *Spill Prevention Control and Countermeasure ("SPCC")* plans developed for the facility under *Section 311* of the *CWA* or *Best Management Practices ("BMP")* otherwise required by this permit for the facility as long as such requirement is incorporated into the plan.

II. MONITORING, RECORDING AND REPORTING REQUIREMENTS

A. Representative Sampling. Samples taken in compliance with the monitoring requirements established under *Part I* shall be collected from the effluent stream prior to discharge into the receiving waters. Samples and measurements shall be representative of the volume and nature of the monitored discharge. Sludge samples shall be collected at a location representative of the quality of sludge immediately prior to the use-disposal practice.

B. Monitoring Procedures. Monitoring must be conducted according to test procedures approved under *Utah Administrative Code ("UAC") R317-2-10*, unless other test procedures have been specified in this permit.

C. Penalties for Tampering. The *Act* provides that any person who falsifies, tampers with, or knowingly renders inaccurate, any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of not more than $10,000 per violation, or by imprisonment for not more than six months per violation, or by both.

D. Reporting of Monitoring Results. Monitoring results obtained during the previous month shall be summarized and reported monthly on a Discharge Monitoring Report Form (EPA No. 3320-1), post-marked no later than the 28th day of the month following the completed reporting period. The first report is due on August 28, 1993. If no discharge occurs during the reporting period, "no discharge" shall be reported. Legible copies of these, and all other reports required herein, shall be signed and certified in accordance with the requirements of *Signatory Requirements (see Part IV.G)*, and submitted to the Director, Division of Water Quality and to EPA at the following addresses:

original to: Department of Environmental Quality
Division of Water Quality
288 North 1460 West
PO Box 144870
Salt Lake City, Utah 84114-4870

copy to: United States Environmental Protection Agency Region VIII
Denver Place
999 18th Street, Suite 500
Denver, Colorado 80202-2466
Attention: Water Management Division
Compliance Branch (8WM-C)

E. Compliance Schedules. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any Compliance Schedule of this permit shall be submitted no later than 14 days following each schedule date.

F. Additional Monitoring by the Permittee. If the permittee monitors any parameter more frequently than required by this permit, using test procedures approved under *UAC R317-2-10* or as otherwise specified in this permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR. Such increased frequency shall also be indicated. Only those parameters required by the permit need to be reported.

G. Records Contents. Records of monitoring information shall include:

1. The date, exact place, and time of sampling or measurements;
2. The individual(s) who performed the sampling or measurements;
3. The date(s) and time(s) analyses were performed;
4. The individual(s) who performed the analyses;
5. The analytical techniques or methods used; and,
6. The results of such analyses.

H. Retention of Records. The permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least three years from the date of the sample, measurement, report or application. This period may be extended by request of the Executive Secretary at any time. A copy of this UPDES permit must be maintained on site during the duration of activity at the permitted location.

I. Twenty-four Hour Notice of Noncompliance Reporting.

1. The permittee shall (orally) report any noncompliance which may seriously endanger health or environment as soon as possible, but no later than twenty-four (24) hours from the time the permittee first became aware of circumstances. The report shall be made to the Division of Water Quality, (801) 538-6146, or 24 hour answering service (801) 536-4123.

2. The following occurrences of noncompliance shall be reported by telephone (801) 536-4123 as soon as possible but no later than 24 hours from the time the permittee becomes aware of the circumstances:

   a. Any noncompliance which may endanger health or the environment;

   b. Any unanticipated bypass which exceeds any effluent limitation in the permit (See *Part III.G, Bypass of Treatment Facilities.)*;

   c. Any upset which exceeds any effluent limitation in the permit (See *Part III.H, Upset Conditions.*); or,

   d. Violation of a maximum daily discharge limitation for any of the pollutants listed in the permit.

3. A written submission shall also be provided within five days of the time that the permittee becomes aware of the circumstances. The written submission shall contain:

   a. A description of the noncompliance and its cause;

   b. The period of noncompliance, including exact dates and times;

   c. The estimated time noncompliance is expected to continue if it has not been corrected; and,

d. Steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.

e. Steps taken, if any, to mitigate the adverse impacts on the environment and human health during the noncompliance period.

4. The Executive Secretary may waive the written report on a case-by-case basis if the oral report has been received within 24 hours by the Division of Water Quality, (801) 538-6146.

5. Reports shall be submitted to the addresses in *Part II.D, Reporting of Monitoring Results.*

J. Other Noncompliance Reporting. Instances of noncompliance not required to be reported within 24 hours shall be reported at the time that monitoring reports for *Part II.D* are submitted. The reports shall contain the information listed in *Part II.I.3.*

K. Inspection and Entry. The permittee shall allow the Executive Secretary, or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to:

1. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of the permit;

2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

3. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and,

4. Sample or monitor at reasonable times, for the purpose of assuring permit compliance or as otherwise authorized by the *Act*, any substances or parameters at any location.

II. COMPLIANCE RESPONSIBILITIES

A. Duty to Comply. The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. The permittee shall give advance notice to the Executive Secretary of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

B. Penalties for Violations of Permit Conditions. The *Act* provides that any person who violates a permit condition implementing provisions of the *Act* is subject to a civil penalty not to exceed $10,000 per day of such violation. Any person who willfully or negligently violates permit conditions of the Act is subject to a fine not exceeding $25,000 per day of violation; Any person convicted under *UCA 19-5-115(2)* a second time shall be punished by a fine not exceeding $50,000 per day. Except as provided at *Part III.G, Bypass of Treatment Facilities* and *Part III.H, Upset Conditions*, nothing in this permit shall be construed to relieve the permittee of the civil or criminal penalties for noncompliance.

C. Need to Halt or Reduce Activity not a Defense. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

D. Duty to Mitigate. The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

E. Proper Operation and Maintenance. The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls and quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of the permit.

F. Removed Substances. Collected screening, grit, solids, sludges, or other pollutants removed in the course of treatment shall be buried or disposed of in such a manner so as to prevent any pollutant from entering any waters of the state or creating a health hazard. Sludge/digester supernatant and filter backwash shall not directly enter either the final effluent or waters of the state by any other direct route.

G. Bypass of Treatment Facilities.

1. Bypass not exceeding limitations. The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of paragraphs 2 and 3 of this section. Return of removed substances, as described in *Part III.F*, to the discharge stream shall not be considered a bypass under the provisions of this paragraph.

2. Notice:

   a. Anticipated bypass. If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible at least ten (10) days before the date of the bypass.

b. Unanticipated bypass. The permittee shall submit notice of an unanticipated bypass as required under *Part II.I, Twenty-four Hour Reporting*.

3. Prohibition of bypass.

a. Bypass is prohibited and the Executive Secretary may take enforcement action against a permittee for a bypass, unless:

(1) The bypass was unavoidable to prevent loss of life, personal injury, or severe property damage ;

(2) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and,

(3) The permittee submitted notices as required under paragraph 2 of this section.

b. The Executive Secretary may approve an anticipated bypass, after considering its adverse effects, if the Executive Secretary determines that it will meet the three conditions listed above in paragraph 3.a of this section.

H. Upset Conditions.

1. Effect of an upset. An upset constitutes an affirmative defense to an action brought for noncompliance with technology based permit effluent limitations if the requirements of paragraph 2. of this section are met. Executive Secretary's administrative determination regarding a claim of upset cannot be judiciously challenged by the permittee until such time as an action is initiated for noncompliance.

2. Conditions necessary for a demonstration of upset. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:

a. An upset occurred and that the permittee can identify the cause(s) of the upset;

b. The permitted facility was at the time being properly operated;

c. The permittee submitted notice of the upset as required under *Part II.I, Twenty-four Hour Notice of Noncompliance Reporting*; and,

d. The permittee complied with any remedial measures required under *Part III.D, Duty to Mitigate*.

3. Burden of proof. In any enforcement proceeding, the permittee seeking to establish the occurrence of an upset has the burden of proof.

I. Toxic Pollutants. The permittee shall comply with effluent standards or prohibitions established under Section 307(a) of *The Water Quality Act of 1987* for toxic pollutants within the time provided in the regulations that establish those standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement.

J. Changes in Discharge of Toxic Substances. Notification shall be provided to the Executive Secretary as soon as the permittee knows of, or has reason to believe:

1. That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":

   a. One hundred micrograms per liter (100 ug/L);

   b. Two hundred micrograms per liter (200 ug/L) for acrolein and acrylonitrile; five hundred micrograms per liter (500 ug/L) for 2,4-dinitrophenol and for 2-methyl-4, 6-dinitrophenol; and one milligram per liter (1 mg/L) for antimony;

   c. Five (5) times the maximum concentration value reported for that pollutant in the permit application in accordance with *UAC R317-8-3.4(7)* or (10); or,

   d. The level established by the Executive Secretary in accordance with *UAC R317-8-4.2(6)*.

2. That any activity has occurred or will occur which would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":

   a. Five hundred micrograms per liter (500 ug/L);

   b. One milligram per liter (1 mg/L) for antimony;

   c. Ten (10) times the maximum concentration value reported for that pollutant in the permit application in accordance with *UAC R317-8-3.4(9)*; or,

   d. The level established by the Executive Secretary in accordance with *UAC R317-8-4.2(6)*.

K. Industrial Pretreatment. Any wastewaters discharged to the sanitary sewer, either as a direct discharge or as a hauled waste, are subject to Federal, State and local pretreatment regulations. Pursuant to Section 307 of *The Water Quality Act of 1987*, the permittee shall comply with all applicable federal General Pretreatment Regulations promulgated at *40 CFR 403*, the State Pretreatment Requirements at *UAC R317-8-8*, and any specific local discharge limitations developed by the Publicly Owned Treatment Works (POTW) accepting the wastewaters.

In addition, in accordance with *40 CFR 403.12(p)(1)*, the permittee must notify the POTW, the EPA Regional Waste Management Director, and the State hazardous waste authorities, in writing, if they discharge any substance into a POTW which if otherwise disposed of would be considered a hazardous waste under *40 CFR 261*. This notification must include the name of the hazardous waste, the EPA hazardous waste number, and the type of discharge (continuous or batch).

IV. GENERAL REQUIREMENTS

A. Planned Changes. The permittee shall give notice to the Executive Secretary as soon as possible of any planned physical alterations or additions to the permitted facility. Notice is required only when the alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are not subject to effluent limitations in the permit. In addition, if there are any planned substantial changes to the permittee's existing sludge facilities or their manner of operation or to current sludge management practices of storage and disposal, the permittee shall give notice to the Executive Secretary of any planned changes at least 30 days prior to their implementation.

B. Anticipated Noncompliance. The permittee shall give advance notice to the Executive Secretary of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

C. Permit Actions. This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

D. Duty to Reapply. If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee shall apply for and obtain a new permit. The application shall be submitted at least 60 days before the expiration date of this permit. The application shall be submitted at least 180 days before the expiration date if an individual permit is necessary.

E. Duty to Provide Information. The permittee shall furnish to the Executive Secretary, within a reasonable time, any information which the Executive Secretary may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The permittee shall also furnish to the Executive Secretary, upon request, copies of records required to be kept by this permit.

F. Other Information. When the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or any report to the Executive Secretary, it shall promptly submit such facts or information.

G. Signatory Requirements. All applications, reports or information submitted to the Executive Secretary shall be signed and certified.

1. All permit applications shall be signed by either a principal executive officer or ranking elected official.

2. All reports required by the permit and other information requested by the Executive Secretary shall be signed by a person described above or by a duly authorized representative of that person. A person is a duly authorized representative only if:

   a. The authorization is made in writing by a person described above and submitted to the Executive Secretary, and,

   b. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility, such as the position of plant manager,

superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters. (A duly authorized representative may thus be either a named individual or any individual occupying a named position.)

3. Changes to authorization. If an authorization under paragraph *IV.G.2* is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of paragraph *IV.G.2* must be submitted to the Executive Secretary prior to or together with any reports, information, or applications to be signed by an authorized representative.

4. Certification. Any person signing a document under this section shall make the following certification:

> "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

H. Penalties for Falsification of Reports. The *Act* provides that any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or noncompliance shall, upon conviction be punished by a fine of not more than $10,000.00 per violation, or by imprisonment for not more than six months per violation, or by both.

I. Availability of Reports. Except for data determined to be confidential under *UAC R317-8-3.2*, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the office of Executive Secretary. As required by the *Act*, permit applications, permits and effluent data shall not be considered confidential.

J. Oil and Hazardous Substance Liability. Nothing in this permit shall be construed to preclude the permittee of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under the *Act*.

K. Property Rights. The issuance of this permit does not convey any property rights of any sort, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

L. Severability. The provisions of this permit are severable, and if any provisions of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

M. Transfers. This permit may be automatically transferred to a new permittee if:

1. The current permittee notifies the Executive Secretary at least 20 days in advance of the proposed transfer date;

2. The notice includes a written agreement between the existing and new permittees containing a specific date for transfer of permit responsibility, coverage, and liability between them; and,

3. The Executive Secretary does not notify the existing permittee and the proposed new permittee of his or her intent to modify, or revoke and reissue the permit. If this notice is not received, the transfer is effective on the date specified in the agreement mentioned in paragraph 2 above.

N. State Laws. Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable state law or regulation under authority preserved by *UCA 19-5-117.*

O. Water Quality-Reopener Provision. This permit may be reopened and modified (following proper administrative procedures) to include the appropriate effluent limitations and compliance schedule, if necessary, if one or more of the following events occurs:

1. Water Quality Standards for the receiving water(s) to which the permittee discharges are modified in such a manner as to require different effluent limits than contained in this permit.

2. A final wasteload allocation is developed and approved by the State and/or EPA for incorporation in this permit.

3. A revision to the current Water Quality Management Plan is approved and adopted which calls for different effluent limitations than contained in this permit.

P. Toxicity Limitation-Reopener Provision. This permit may be reopened and modified (following proper administrative procedures) to include whole effluent toxicity (WET) testing, a WET limitation, a compliance schedule, a compliance date, additional or modified numerical limitations, or any other conditions related to the control of toxicants if toxicity is detected during the life of this permit.

Q. Storm Water-Reopener Provision. At any time during the duration (life) of this permit, this permit may be reopened and modified (following proper administrative procedures) as per *UAC R317.8*, to include, any applicable storm water provisions and requirements, a storm water pollution prevention plan, a compliance schedule, a compliance date, monitoring and/or reporting requirements, or any other conditions related to the control of storm water discharges to "waters-of-State".

007/0012 #6

CASTLE VALLEY RESOURCES, INC.

PRIDE & PERFORMANCE

P.O. BOX 766 · WELLINGTON, UTAH 84542 · (801) 637-2342 · FAX (801) 637-9712

April 13, 1993

Mr. Daron Haddock
Division of Oil, Gas & Mining
3 Triad Center, Suite 350
355 West North Temple
Salt Lake City, Utah 84810-1203

Re: Permit # ACT 007-012
Castle Valley Resources
1993 1st Quarter Coal Mining Hydrological
& Reclamation Report

Dear Mr. Haddock:

Enclosed please find the Castle Valley Resource's 1st Quarter Hydrological & Reclamation Report which is being submitted in accordance to our Mining and Reclamation Plan.

Should you have any questions or need additional information, please feel free to contact me at 687-9813.

Sincerely,

GENWAL COAL COMPANY

Larry W. Johnson
Engineer
Genwal Coal Company

cc: R.J. Marshall
Enclosures

CASTLE VALLEY RESOURCES, INC.

PRIDE & PERFORMANCE

P.O. BOX 766 · WELLINGTON, UTAH 84542 · (801) 637-2342 · FAX (801) 637-9712

GENWAL COAL COMPANY
CASTLE VALLEY RESOURCES
COAL MINING HYDROLOGICAL & RECLAMATION
1ST QUARTER, 1993

SUBMITTED BY:

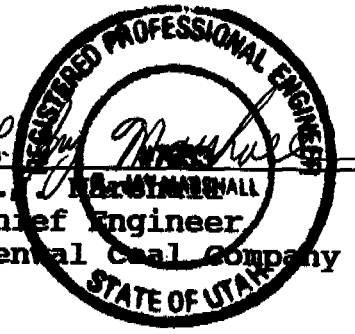
CASTLE VALLEY RESOURCES
GENWAL COAL COMPANY
P.O. BOX 1282
HUNTINGTON, UTAH 84528

SUBMITTED TO:

DIVISION OF OIL, GAS & MINING
3 TRIAD CENTER, SUITE 350
355 WEST NORTH TEMPLE
SALT LAKE CITY, UTAH 84180-1203

Structural Stability Inspection:

POND	COMMENT
Sediment	All Ponds were dry and in good order. No significant erosion or structural failure indications are apparent on any of the pond embankments. Upper and lower Refuse and Clear Water Ponds have been inactive since 1985.
Roadside	
Auxiliary	
Dryer	
Pipeline Slurry	
Upper Refuse	
Lower Refuse	
Clear Water	



R. [illegible]
Chief Engineer
Genral Coal Company

29 March 93
Date

cc: L.W. Johnson

Castle Valley Resources, Inc.
Wellington Preparation Plant

MSHA I.D. #42-00099

Quarterly Pond Report

This report addresses the following ponds:

POND	CAPACITY (cubic feet)	INSTRUMENTATION
Sediment #1	74,592	3 Depth Poles
Roadside	24,603	None
Auxiliary	34,265	None
Dryer	9,747	None
Pipeline Slurry	47,044	None
Upper Refuse	Unknown	None
Lower Refuse	52,272,000	None
Clear Water	8,058,600	None

PONDS	SEDIMENT (cubic feet)	WATER (cubic feet)	EXISTING STORAGE CAPACITY (%)
Sediment	None	Dry	100
Roadside	144	Dry	99
Auxiliary	464	Dry	99
Dryer	26	Dry	100
Pipeline Slurry	70	Dry	100
Upper Refuse	Unknown	Dry	Unknown
Lower Refuse	43,560,000	Dry	17
Clear Water	Unknown	Dry	Unknown

1 Estimated

Fires in Impoundments: No evidence of fires or heat was noted.

Castle Valley Resources, Inc.
P.O. Box 1282
Huntington, Utah 84528

MSHA I.D. #42-00099

Coal Refuse Piles

Quarterly Report

SITE NAME: Wellington Preparation Plant

Refuse Pile	Pile ID#
Pond Refuse Pile	1211-UT-09-00099-05
Plant Refuse Pile	1211-UT-09-00099-01

Water impounding against toe: None

Fires on piles: None

Seepage, cracks, erosion problems or any other comments pertaining to the stability of the pile: No significant erosion problems noted at this time. Facilities appear to be stable.

I do hereby certify that all work and maintenance performed on the above refuse piles were done according to the approved design and plans.

REGISTERED PROFESSIONAL ENGINEER
R. JAY MARSHALL
STATE OF UTAH

R. J. Marshall
R. J. Marshall
Chief Engineer
Genwal Coal Company

March 21 93
Date

cc: L.W. Johnson

Sharon - Route to File

CASTLE VALLEY RESOURCES, INC.

PRIDE & PERFORMANCE

P.O. BOX 766 · WELLINGTON, UTAH 84542 · (801) 637-2342 · FAX (801) 637-9712

January 20, 1993

Mr. Daron Haddock
Division of Oil, Gas & Mining
3 Triad Center, Suite 350
355 West North Temple
Salt Lake City, Utah 84810-1203

Re: Permit # ACT 007-012
Castle Valley Resources
1992 4th Quarter Coal Mining Hydrological
& Reclamation Report

Dear Mr. Haddock:

Enclosed please find the Genwal Coal Company's 4th Quarter Hydrological & Reclamation Report which is being submitted in accordance to our Mining and Reclamation Plan.

Should you have any questions or need additional information, please feel free to contact me at 687-9813.

Sincerely,

GENWAL COAL COMPANY

Larry W. Johnson
Engineer
Genwal Coal Company

cc: R.J. Marshall
Enclosures

RECEIVED
JAN 27 1993
DIVISION OF
OIL GAS & MINING

Sharon - Route to File #7

GENWAL COAL COMPANY

RECEIVED
OCT 30 1992
DIVISION OF
OIL GAS & MINING

October 28,1992

Mr. Daron Haddock
Division of Oil, Gas & Mining
3 Triad Center, Suite 350
355 West North Temple
Salt Lake City, UT 84180-1203

RE: Permit # ACT 007-012
Castle Valley Resources
1992 3rd Quarter Coal Mining Hydrological
& Reclamation Report

Dear Mr. Haddock:

Enclosed please find Genwal Coal Company's 3rd Quarter Hydrological & Reclamation Report which is being submitted in accordance to our Mining and Reclamation Plan.

Should you have any questions or need additional information, please feel free to contact me at 687-9813.

Sincerely,

GENWAL COAL COMPANY

Larry W. Johnson
Engineer
Genwal Coal Company

tr

cc: R.J. Marshall
Enclosures

P.O. Box 1201 • Huntington, Utah 84528 • Telephone (801) 687-9813 • FAX (801) 687-9784

Sharon Route To file

GENWAL COAL COMPANY

RECEIVED
AUG 12 1992
DIV. OIL, GAS, MINING

August 10, 1992

Mr. Daron Haddock
Division of Oil, Gas & Mining
3 Triad Center, Suite 350
355 West North Temple
Salt Lake City, UT 84180-1203

RE: Permit # ACT 015-032 ~~Genwal Coal Company~~ 007/012 SF
1992 2nd Quarter Coal Mining Hydrological
& Reclamation Report

Dear Mr. Haddock:

Enclosed please find Genwal Coal Company and Castle Valley Resources 2nd Quarter Hydrological & Reclamation Report for 1992. This is being submitted in accordance to Genwal's Mining and Reclamation Plan. A copy of this report is also being sent to Steve Demczak of the Price office.

Should you have any questions or need additional information, please feel free to contact me at 687-9813.

Sincerely,

Larry W. Johnson
Engineer

tr

Enclosures

cc: Steve Demczak

P.O. Box 1201 • Huntington, Utah 84528 • Telephone (801) 687-9813 • FAX (801) 687-9784

CASTLE VALLEY RESOURCES, INC.

PRIDE & PERFORMANCE

P.O. BOX 766 · WELLINGTON, UTAH 84542 · (801) 637-2342 · FAX (801) 637-9712

May 7, 1992

Ms. Sharon Falvey
Reclamation Hydrologist
Division of Oil, Gas & Mining
3 Triad Center, #350
Salt Lake City, Utah 84180

Re: Surface and Ground Water Data
Wellington Loadout Facility

Dear Ms. Falvey:

Please find enclosed the copies of the Wellington Loadout Facilities Surface and Ground Water Monitoring Data for the 1st Quarter of 1992.

If you have any questions concerning this information, please contact me.

Sincerely,

Candy Manzanares
Plant Manager

Encl.

Castle Valley Resources, Inc.
Wellington Preparation Plant

MSHA I.D. #42-00099

Coal Refuse Piles

Quarterly Report

SITE NAME: Wellington Preparation Plant
P.O. Box 766
Wellington, UT 84542

Refuse Pile	Pile ID #
Pond Refuse Pile	1211-UT-09-00099-05
Plant Refuse Pile	1211-UT-09-00099-01

Water impounding against toe: None

Fires on piles: None

Seepage, cracks, erosion problems or any other comments pertaining to the stability of the pile: No significant* erosion problems noted at this time. Facilities appear to be stable.
*Deeper than 9 inches

I do hereby certify that all work and maintenance performed on the above refuse piles were done according to the approved design and plans.

REGISTERED PROFESSIONAL ENGINEER
No. 7101
RICHARD M. NOBLE
STATE OF UTAH

Richard M. Noble 3/25/92
Name Date

Franson-Noble & Associates, Inc.

cc: C. Marzolares (Plant File)

Castle Valley Resources, Inc.
Wellington Preparation Plant

MSHA I.D. #42-00099

Quarterly Pond Report

This report addresses the following ponds:

POND	CAPACITY (cubic feet)	INSTRUMENTATION
Sediment #1	74,592	3 Depth Poles
Roadside	24,603	None
Auxiliary	34,265	None
Dryer	9,747	None
Pipeline Slurry	47,044	None
Upper Refuse	Unknown	None
Lower Refuse	52,272,000	None
Clear Water	8,058,600	None

PONDS	SEDIMENT (cubic feet)	WATER (cubic feet)	EXISTING STORAGE CAPACITY (%)
Sediment	None	Puddle	100
Roadside	144	Dry	99
Auxiliary	464	4,500[1]	99
Dryer	26	Dry	100
Pipeline Slurry	70	Dry	100
Upper Refuse	Unknown	Dry	Unknown
Lower Refuse	43,560,000[1]	Dry	17
Clear Water	Unknown	Dry	Unknown

[1] Estimated

Fires in Impoundments: No evidence of fires or heat was noted.

Structural Stability Inspection:

POND	COMMENT
Sediment	There are four areas of erosion cuts approximately 5 feet deep, 8 feet wide and 50 feet long on the down slope just west of the dike between the upper refuse pond and the lower refuse pond. The erosion cuts will be filled immediately and inspected monthly for further erosion. No significant erosion or structural failure indications are apparent on any of the pond embankments. Upper and Lower Refuse and Clear Water Ponds have been inactive since 1985.
Roadside	
Auxiliary	
Dryer	
Pipeline Slurry	
Upper Refuse	
Lower Refuse	
Clear Water	

Richard M. Noble 3/25/92
Name Date

Franson-Noble & Associates, Inc.

cc: C. Manzanares (Plant File)

CASTLE VALLEY RESOURCES, INC.

PRIDE & PERFORMANCE

P.O. BOX 766 · WELLINGTON, UTAH 84542 · (801) 637-2342 · FAX (801) 637-9712

March 15, 1992

Ms. Sharon Falvey
Reclamation Hydrologist
Division of Oil, Gas, and Mining
3 Triad Center, #350
Salt Lake City, Utah 84180

Re: Surface and Ground Water Data
Wellington Loadout Facility

Dear Ms. Falvey:

Please find enclosed the copies of the Wellington Loadout Facilities Surface and Ground Water Monitoring Data for the 4th Quarter of 1991.

If you have any questions concerning this information, please contact me.

Sincerely,

Candy Manzanares
Plant Manager

Encl.

CASTLE VALLEY RESOURCES, INC.

PRIDE & PERFORMANCE

P.O. BOX 766 · WELLINGTON, UTAH 84542 · (801) 637-2342 · FAX (801) 637-9712

January 6, 1992

Ms. Sharon Falvey
Reclamation Hydrologist
Division of Oil, Gas, and Mining
3 Triad Center, #350
Salt Lake City, Utah 84180

Re: Surface and Ground Water Data
Wellington Loadout Facility

Dear Ms. Falvey:

Please find enclosed the copies of the Wellington Loadout Facilities Surface and Ground Water Monitoring Data for the 3rd Quarter of 1991. If you have any questions concerning this information, please contact me.

Candy Manzanares
Plant Manager

Mountain States Analytical

The Quality Solution

Sample Chain of Custody

CANDY, KEEP THE BANK COPY
RETURN YELLOW & WHITE

ATTN: CANDY MANZANARES

W.O.No.: SURFACE WATER | Project Name: CASTLE VALLEY RESC.

Sampler: X CManzanares

Page 1 of 1

C.P.C. SURFACE H_2O

Sample Number	Date	Time	COMP	GRAB	Station Location	Number of Containers	TSS, TDS, Alk	Chloride, Sulfate	TOTAL SET. Solids	Oil & Grease	Hardness, Ca/Mg	METALS (*)	Remarks
1	12-09-91	2:26P		X	SW-1 UPSTREAM	5	X	X	X	X	X	X	(*) METALS = Ca, Fe, Mg, Mn, K
2	12-09-91	2:53P		X	SW-2 DOWNSTREAM	5	X	X	X	X	X	X	Na

Sample Relinquished by:	Date	Time	Sample Received by:	Date	Time	Reason for Transfer
X CManzanares	12-09-91	2:26PM	UPS (CTC)			SHIPPING TO LAB
CManzanares	12-09-91	2:53 PM	[signature]	12/23/91	1330	analysis

1645 West 2200 South, Salt Lake City, Utah [illegible]9 (801) 973-0050 FAX (801) 972-6278

Mountain States Analytical

The Quality Solution

Sample Chain of Custody

ATTN: CANDY MANZANARES

W.O.No.: GROUNDWATER | Project Name: CASTLE VALLEY RESC.

Sampler: X Manzanares

Sample Number	Date	Time	COMP	GRAB	Station Location	Number of Containers	T.S.	T.D.S.	Chloride	Sulfate	Hardness	Alk	Remarks
11	12-19-91	1:11P		X	GW-10	2	X	X	X	X	X	X	⊛ METALS = Ca, Fe, Mg, MN, K, Na
12	12-19-91	1:23P		X	GW-11	2	↓	↓	↓	↓	↓	↓	
13	12-19-91	12:35P		X	GW-12	2							
14	12-19-91	11:50A		X	GW-13	2							
15	12-19-91	12:19P		X	GW-14	2							

Page 2 of 2
C.O.C. GROUNDWATER

Sample Relinquished by:	Date	Time	Sample Received by:	Date	Time	Reason for Transfer
Manzanares	12-19-91		UPS (ex)	x	x	SHIPPING TO LAB
Manzanares	12-19-91					
Manzanares	12-19-91					
Manzanares	12-19-91					
Manzanares	12-19-91					
Manzanares	12-19-91					
Manzanares	12-19-91		[illegible]	12/23/91	1330	Analysis

1645 West 2200 South, Salt Lake City, Ut[illegible]19 (801) 973-0050 FAX (801) 972-6278

Mountain States Analytical

The Quality Solution

Sample Chain of Custody

ATTN: CANDY MANZANARES

CANDY → KEEP PINK COPY
RETURN YELLOW & WHITE

PAGE 1 OF 2
C.O.C. GROUNDWATER

W.O.No.: GROUNDWATER | Project Name: CASTLE VALLEY RESC.

Sampler: x [signature] Manzanares

Sample Number	Date	Time	COMP	GRAB	Station Location	Number of Containers	T.S.S.	T.D.S.	Chloride	Sulfate	Hardness	Alk	⊛ METALS	Remarks
1	12-19-91	10:39A		X	GW-1	2	X	X	X	X	X	X		⊛ METALS = Ca, Fe, Mg, Mn, K,
2	12-19-91	8:49A		X	GW-2	2	↓	↓	↓	↓	↓	↓		Na
3	12-19-91	9:15A		X	GW-3	2								
4	12-19-91	10:06A		X	GW-4	2								
5	12-19-91	10:30A		X	GW-5	2								NO Sample Rec 12/23/91
6	12-19-91	10:17A		X	GW-6	2								
7	12-19-91	12:31P		X	GW-7	2								
8	12-19-91	12:06P		X	GW-8	2								
9	12-19-91	1:50P		X	GW-9	2								
10	12-19-91	1:33P		X	GW-9B	2	↓	↓	↓	↓	↓	↓		

Sample Relinquished by:	Date	Time	Sample Received by:	Date	Time	Reason for Transfer
x [signature] Manzanares	x 12-19-91	10:39A	UPS (etc)	x	x	SHIPPING TO LAB
[signature] Manzanares	12-19-91	8:49A				
[signature] Manzanares	12-19-91	9:15A				
[signature] Manzanares	12-19-91	10:06A				
[signature] Manzanares	12-19-91	10:30A				
[signature] Manzanares	12-19-91	10:17A				
[signature] Manzanares	12-19-91	12:31P	[signature]	12/23/91	1300	analytes

1645 West 2200 South, Salt Lake City, Utah 84119 (801) 973-0050 FAX (801) 972-6278

Genwall Coal/Castle Valley Resources, Inc.
Wellington Preparation Plant

MSHA I.D. #42-00099

Coal Refuse Piles

Quarterly Report

SITE NAME: Wellington Preparation Plant
P.O. Box 766
Wellington, UT 84542

Refuse Pile	Pile ID #
Pond Refuse Pile	1211-UT-09-00099-05
Plant Refuse Pile	1211-UT-09-00099-01

Water impounding against toe: None

Fires on piles: None

Seepage, cracks, erosion problems or any other comments pertaining to the stability of the pile: No significant* erosion problems noted at this time. Facilities appear to be stable.
*Deeper than 9 inches

I do hereby certify that all work and maintenance performed on the above refuse piles were done according to the approved design and plans.

REGISTERED PROFESSIONAL ENGINEER
No. 7101
RICHARD M. NOBLE
STATE OF UTAH

Richard M. Noble 12/18/91
Name Date

Franson-Noble & Associates, Inc.

cc: C. Mai[illegible]s (Plant File)

Genwall Coal/Castle Valley Resources, Inc.
Wellington Preparation Plant

MSHA I.D. #42-00099

Quarterly Pond Report

This report addresses the following ponds:

POND	CAPACITY (cubic feet)	INSTRUMENTATION
Sediment #1	74,592	3 Depth Poles
Roadside	24,603	None
Auxiliary	34,265	None
Dryer	9,747	None
Pipeline Slurry	47,044	None
Upper Refuse	Unknown	None
Lower Refuse	52,272,000	None
Clear Water	8,058,600	None

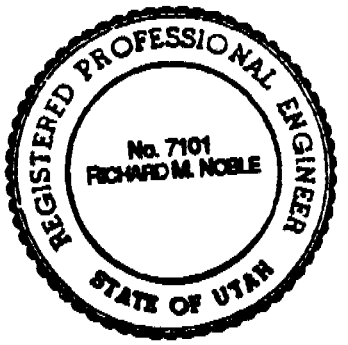
PONDS	SEDIMENT (cubic feet)	WATER (cubic feet)	EXISTING STORAGE CAPACITY (%)
Sediment	None	Puddle	100
Roadside	144	Dry	99
Auxiliary	464	Dry	99
Dryer	26	Dry	100
Pipeline Slurry	70	Dry	100
Upper Refuse	Unknown	Dry	Unknown
Lower Refuse	43,560,000[1]	Dry	17
Clear Water	Unknown	Dry	Unknown

[1] Estimated

Fires in Impoundments: No evidence of fires or heat was noted.

Structural Stability Inspection:

POND	COMMENT
Sediment	No significant erosion or structural failure indications are apparent on any of the ponds. Upper and Lower Refuse and Clear Water Ponds have been inactive since 1985.
Roadside	
Auxiliary	
Dryer	
Pipeline Slurry	
Upper Refuse	
Lower Refuse	
Clear Water	



Richard M. Noble 12/18/91

Name Date

Franson-Noble & Associates, Inc.

cc: C. Manzanares (Plant File)

CASTLE VALLEY RESOURCES, INC.

PRIDE & PERFORMANCE

P.O. BOX 766 · WELLINGTON, UTAH 84542 · (801) 637-2342 · FAX (801) 637-9712

November 14, 1991

Sharon Falvey, Reclamation Hydrologist
Division of Oil, Gas, and Mining
3 Triad Center, #350
Salt Lake City, Utah 84180

Re: Surface and Ground Water Data
Wellington Loadout Facility

Dear Ms Falvey,

Please find enclosed the copies of the Wellington Loadout Facilities Surface and Ground Water Monitoring Data for the Second Quarter of 1991. If you have any questions concerning this information, please contact me.

Candy Manzanares
Plant Manager

Genwall Coal/Castle Valley Resources, Inc.
Wellington Preparation Plant

MSHA I.D. #42-00099

Coal Refuse Piles

Quarterly Report

SITE NAME: Wellington Preparation Plant
P.O. Box 766
Wellington, UT 84542

Refuse Pile	Pile ID #
Pond Refuse Pile	1211-UT-09-00099-05
Plant Refuse Pile	1211-UT-09-00099-01

Water impounding against toe: None

Fires on piles: None

Seepage, cracks, erosion problems or any other comments pertaining to the stability of the pile: No significant* erosion problems noted at this time. Facilities appear to be stable.

*Deeper than 9 inches

I do hereby certify that all work and maintenance performed on the above refuse piles were done according to the approved design and plans.

REGISTERED PROFESSIONAL ENGINEER
No. 7101
RICHARD M. NOBLE
STATE OF UTAH

Richard M. Noble 9/30/91
Name Date

Franson-Noble & Associates, Inc.

cc: C. Manzanares (Plant File)

Genwall Coal/Castle Valley Resources, Inc.
Wellington Preparation Plant

MSHA I.D. #42-00099

Quarterly Pond Report

This report addresses the following ponds:

POND	CAPACITY (cubic feet)	INSTRUMENTATION
Sediment #1	74,592	3 Depth Poles
Roadside	24,603	None
Auxiliary	34,265	None
Dryer	9,747	None
Pipeline Slurry	47,044	None
Upper Refuse	Unknown	None
Lower Refuse	52,272,000	None
Clear Water	8,058,600	None

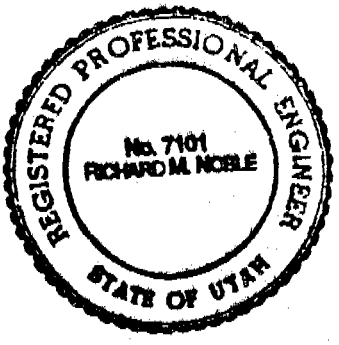
PONDS	SEDIMENT (cubic feet)	WATER (cubic feet)	EXISTING STORAGE CAPACITY (%)
Sediment	None	Puddle	100
Roadside	144	Dry	99
Auxiliary	464	Dry	99
Dryer	26	Dry	100
Pipeline Slurry	70	Dry	100
Upper Refuse	Unknown	Dry	Unknown
Lower Refuse	43,560,000[1]	Dry	17
Clear Water	Unknown	Dry	Unknown

[1] Estimated

Fires in Impoundments: No evidence of fires or heat was noted.

Structural Stability Inspection:

POND	COMMENT
Sediment	No significant erosion or structural failure indications are apparent on any of the ponds. Upper and Lower Refuse and Clear Water Ponds have been inactive since 1985.
Roadside	
Auxiliary	
Dryer	
Pipeline Slurry	
Upper Refuse	
Lower Refuse	
Clear Water	



Richard M. Noble 9/30/91

Name Date

Franson-Noble & Associates, Inc.

cc: C. Manzanares (Plant File)

Genwall Coal/Castle Valley Resources, Inc.
Wellington Preparation Plant

MSHA I.D. #42-00099

Coal Refuse Piles

Quarterly Report

SITE NAME: Wellington Preparation Plant
P.O. Box 766
Wellington, UT 84542

Refuse Pile	Pile ID #
Pond Refuse Pile	1211-UT-09-00099-05
Plant Refuse Pile	1211-UT-09-00099-01

Water impounding against toe: None

Fires on piles: None

Seepage, cracks, erosion problems or any other comments pertaining to the stability of the pile: No significant* erosion problems noted at this time. Facilities appear to be stable.

*Deeper than 9 inches

I do hereby certify that all work and maintenance performed on the above refuse piles were done according to the approved design and plans.

REGISTERED PROFESSIONAL ENGINEER
No. 7101
RICHARD M. NOBLE
STATE OF UTAH

Richard M. Noble 7/23/91
Name Date

Franson-Noble & Associates, Inc.

cc: C. Manzanares (Plant File)

Genwall Coal/Castle Valley Resources, Inc.
Wellington Preparation Plant

MSHA I.D. #42-00099

Quarterly Pond Report

This report addresses the following ponds:

POND	CAPACITY (cubic feet)	INSTRUMENTATION
Sediment #1	74,592	3 Depth Poles
Roadside	24,603	None
Auxiliary	34,265	None
Dryer	9,747	None
Pipeline Slurry	47,044	None
Upper Refuse	Unknown	None
Lower Refuse	52,272,000	None
Clear Water	8,058,600	None

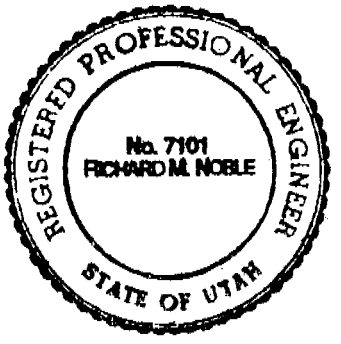
PONDS	SEDIMENT (cubic feet)	WATER (cubic feet)	EXISTING STORAGE CAPACITY (%)
Sediment	None	Puddle	100
Roadside	144	Dry	99
Auxiliary	464	Dry	99
Dryer	26	Dry	100
Pipeline Slurry	70	Dry	100
Upper Refuse	Unknown	Dry	Unknown
Lower Refuse	43,560,000[1]	Dry	17
Clear Water	Unknown	Dry	Unknown

[1] Estimated

Fires in Impoundments: No evidence of fires or heat was noted.

Structural Stability Inspection:

POND	COMMENT
Sediment	No significant erosion or structural failure indications are apparent on any of the ponds. Upper and Lower Refuse and Clear Water Ponds have been inactive since 1985.
Roadside	
Auxiliary	
Dryer	
Pipeline Slurry	
Upper Refuse	
Lower Refuse	
Clear Water	



Richard M. Noble 7/23/91
Name Date

Franson-Noble & Associates, Inc.

cc: C. Manzanares (Plant File)

ACT/007/012
#7

Jon Passic
Vice President

RECEIVED
FEB 15 1991
DIVISION OF
OIL, GAS & MINING

CASTLE VALLEY RESOURCES

Mr. Rick Summers, Reclamation Hydrologist
Division of Oil, Gas, and Mining
3 Triad Center, #350
Salt Lake City, Utah 84180

Re: Surface and Ground Water Data
Wellington Loadout Facility

February 12, 1991

Dear Mr. Summers,

Please find enclosed the copies of the Wellington Loadout Facilities Surface and Ground Water Monitoring Data for the Fourth Quarter of 1990. If you have any questions concerning this information, please contact me.

Candy Manzanares
Plant Manager

P.O. Box 766 • Wellington, Utah 84542 • (801) 637-2342 • FAX (801) 637-9712

Glc ACT/007/012
#7 H2O Qual.

COAL SYSTEMS, Inc.

CONSULTANTS/ENGINEERS

L. G. MANWARING, P.E.
President

P.O. BOX 17117
SALT LAKE CITY, UTAH 84117

Area Code 801
261-4500

October 9, 1990

Mr. Rick Summers, Reclamation Hydrologist
DIVISION OF OIL, GAS, & MINING
3 Triad Center, #350
Salt Lake City, Utah 84180-1203

Re: Surface & Ground Water Data
Wellington Load-Out Facility

Dear Mr. Summers,

Please find enclosed the copies of the Wellington Load-Out Facilities Surface and Ground Water Monitoring Data for the third quarter of 1990. It is noted that as of October 1990, the water monitoring and reporting for the Wellington Load-Out Facility will be done by the owner/operator. Mr. Candido Manzanares is the Superintendent and the contact person for information regarding the monitoring programs. If you have any questions concerning this information, please contact us.

Sincerely,

COAL SYSTEMS, Inc.

Sterling D. Stoddard

Sterling D Stoddard
Staff Engineer

SDS/lc
Enclosure
cc: C. Manzanares

ACT/007/012
#7

CASTLE VALLEY RESOURCES, INC.
WELLINGTON PREPARATION PLANT

MSHA I.D. # 42-00099

COAL REFUSE PILES

QUARTERLY CERTIFICATION
THIRD QUARTERLY REPORT, 1990

SITE NAME: Wellington Preparation Plant
P.O. Box 766
Wellington, Utah 84542

REFUSE PILE	PILE ID#
POND REFUSE PILE	1211-UT-09-00099-05
PLANT REFUSE PILE	1211-UT-09-00099-01

Water impounding against toe: NONE

Fires on piles: NONE

Seepage, cracks, erosion problems or any other comments pertaining to the stability of the pile: No significant* erosion problems noted at this time. Facilities appear to be stable.

* Deeper than nine inches.

I do hereby certify that all work and maintenance performed on the above refuse piles was done according to the approved design and plans.

L. G. Manwaring 10-2-90
Name Date

COAL SYSTEMS, Inc.

Registered Professional Engineer
No. 4212
LEWIS G. MANWARING
State of Utah

cc: C. Manzanares (Plant File)

RECEIVED
OCT 12 1990

ACT/007/012
#7

CASTLE VALLEY RESOURCES, INC.
WELLINGTON PREPARATION PLANT

MSHA I.D. # 42-00099

SEDIMENT PONDS

THIRD QUARTERLY REPORT, 1990

THIS REPORT ADDRESSES THE FOLLOWING PONDS:

POND	CAPACITY (Cu.Ft.)	INSTRUMENTATION
SEDIMENT #1	74,592	3 DEPTH POLES
ROADSIDE	24,603	NONE
AUXILIARY	34,265	NONE
DRYER	9,747	NONE
PIPELINE SLURRY	47,044	NONE

PONDS	SEDIMENT (Cu.Ft.)	WATER (Cu.Ft.)	EXISTING STORAGE CAP. (%)
SEDIMENT #1	20	PUDDLE	99
ROADSIDE	144	PUDDLE	99
AUXILIARY	464	PUDDLE	99
DRYER	26	PUDDLE	100
PIPELINE SLURRY	70	DRY	100

FIRES IN IMPOUNDMENTS:
No evidence of fires or heat was noted.

STRUCTURAL STABILITY INSPECTION:

POND	COMMENT
SEDIMENT #1	No significant erosion or structural failure indications are apparent on any of the ponds.
ROADSIDE	
AUXILIARY	
DRYER	
PIPELINE SLURRY	

Registered Professional Engineer
No. 4212
LEWIS G. MANWARING
State of Utah

L. G. Manwaring 10-2-90
Name Date

COAL SYSTEMS, Inc.

cc: C. Manzanares (Plant File)

RECEIVED
OCT 12 1990

File Act/007/012 #7

COAL SYSTEMS, Inc.

CONSULTANTS/ENGINEERS

L. G. MANWARING, P.E.
President

P.O. BOX 17117
SALT LAKE CITY, UTAH 84117

Area Code 801
261-4500

July 23, 1990

Mr. Rick Summers
Reclamation Hydrologist
DIVISION OF OIL GAS AND MINING
3 Triad Center, #350
Salt Lake City, Ut. 84180-1203

Re: 1990 SW and GW Data

Dear Mr. Summers,

Please find enclosed copies of the Surface and Ground Water data for the second quarter of 1990. If you have any questions concerning this information, please contact me.

Sincerely,

COAL SYSTEMS, Inc.

Sterling Stoddard

Sterling Stoddard
Staff Engineer

SS/lc
Enclosure
cc: J. Passic (Plant File)

CASTLE VALLEY RESOURCES, INC.
WELLINGTON PREPARATION PLANT

MSHA I.D. # 42-00099

COAL REFUSE PILES

QUARTERLY CERTIFICATION
SECOND QUARTERLY REPORT, 1990

SITE NAME: Wellington Preparation Plant
P.O. Box 766
Wellington, Utah 84542

REFUSE PILE	PILE ID#
POND REFUSE PILE	1211-UT-09-00099-05
PLANT REFUSE PILE	1211-UT-09-00099-01

Water impounding against toe: NONE

Fires on piles: NONE

Seepage, cracks, erosion problems or any other comments pertaining to the stability of the pile: No significant* erosion problems noted at this time. Facilities appear to be stable.

* Deeper than nine inches.

I do hereby certify that all work and maintenance performed on the above refuse piles was done according to the approved design and plans.

Lewis G. Manwaring, 6-19-90
Name Date

COAL SYSTEMS, Inc.

cc: C. Manzanares (Plant File)
DOGM

SEDPCERT

CASTLE VALLEY RESOURCES, INC.
WELLINGTON PREPARATION PLANT

MSHA I.D. # 42-00099

QUARTERLY POND REPORT
SECOND QUARTERLY REPORT,1990

THIS REPORT ADDRESSES THE FOLLOWING PONDS:

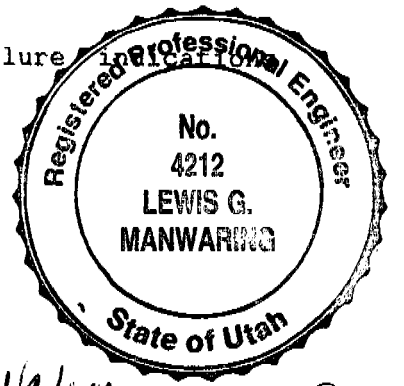
POND	CAPACITY (Cu.Ft.)	INSTRUMENTATION
SEDIMENT #1	74,592	3 DEPTH POLES
ROADSIDE	24,603	NONE
AUXILIARY	34,265	NONE
DRYER	9,747	NONE
PIPELINE SLURRY	47,044	NONE

PONDS	SEDIMENT (Cu.Ft.)	WATER (Cu.Ft.)	EXISTING STORAGE CAP. (%)
SEDIMENT #1	20	DRY	99
ROADSIDE	144	DRY	99
AUXILIARY	464	PUDDLE	99
DRYER	26	DRY	100
PIPELINE SLURRY	70	DRY	100

FIRES IN IMPOUNDMENTS:
No evidence of fires or heat was noted.

STRUCTURAL STABILITY INSPECTION:

POND	COMMENT
SEDIMENT #1	No significant erosion or structural failure indicators are apparent on any of the ponds.
ROADSIDE	
AUXILIARY	
DRYER	
PIPELINE SLURRY	



Lewis G. Manwaring 6-19-90
Name Date

COAL SYSTEMS, Inc.

cc: C. Manzanares (Plant File)

Mine file
Copies sent cc to D. Waddell

COAL SYSTEMS, Inc.

CONSULTANTS/ENGINEERS

L. G. MANWARING, P.E.
President

P.O. BOX 17117
SALT LAKE CITY, UTAH 84117

Area Code 801
261-4500

July 3, 1990

Act/007/012
#7

Mr. Jon Passic, Vice President
CASTLE VALLEY RESOURCES, INC.
P. O. Box 766
Wellington, Utah 84542

Re: Second Quarter Inspections
- Refuse Piles, Sediment Ponds -

Dear Mr. Passic:

Please note the attached quarterly inspection reports for the refuse piles and sediment ponds. These reports must be maintained on-site for the DOGM Inspectors review.

Sincerely,

COAL SYSTEMS, Inc.

L. G. Manwaring, Jr., P.E.
President

LGM/lc
Attachments: 2
cc: ~~DOGM~~

Mine file ✓✓
cc cover letter D Wadden

COAL SYSTEMS, Inc.

CONSULTANTS/ENGINEERS

L. G. MANWARING, P.E.
President

P.O. BOX 17117
SALT LAKE CITY, UTAH 84

Area Code 801
261-4500

RECEIVED
JUN 05 1990
DIVISION OF
OIL, GAS & MINING

May 29, 1990

Act/007/012
#7

Mr. John M. DeMichiei, District Manager
MINING SAFETY AND HEALTH ADMINISTRATION
Coal District #9
P.O. Box 25367
Denver, Colorado 80225

Re: Wellington Preparation Plant
Impoundment Certifications
(MSHA I.D. #42-00099)

Dear Mr. DeMichiei:

Please find enclosed the Annual Impoundment Certifications for the Wellington Preparation Plant, MSHA I.D. #42-00099. This facility is operated by Castle Valley Resources, Inc.

Sincerely,

COAL SYSTEMS, Inc.

L. G. Manwaring

L. G. Manwaring, Jr., P.E.
President

LGM/lc
Enclosure
cc: J. Passic (Plant File)
R. Mower
D. Schwehr
~~L~~. Braxton (DOGM, File ACT/007/012)

IMPNDCWP

CASTLE VALLEY RESOURCES, INC.
WELLINGTON PREPARATION PLANT

MSHA I.D. # 42-00099

WATER IMPOUNDMENT AND IMPOUNDING STRUCTURE REPORT

ANNUAL CERTIFICATION

IMPOUNDMENT: CLEAR WATER POND
IMPOUNDMENT ID: 1211-UT-09-00099-02

Changes in the geometry of the impounding structure during this reporting period: None

Instrumentation: None

Impounded water, sediment, or slurry level: Dry - System inactive since 1985

Storage capacity of the impounding structure: Design capacity is 185 acre feet

Average volume of water, sediment, or slurry impounded: Dry - Currently searching for original area topo in order to conduct volume determination. Will report when determined.

Fires occurring in the construction materials: None

Other aspects of the impounding structure affecting its stability which occurred during this reporting period: No structural failures noted. No seepage noted. No significant* erosion noted. Facility appears stable.
*Deeper than nine inches

I do hereby certify that all work and maintenance performed on the Clear Water Pond was in accordance with the design and plan.

Lewis G. Manwaring 3-29-90
Name Date

Registered Professional Engineer
No. 4212
LEWIS G. MANWARING
State of Utah

cc: DOGM
C. Manzanares (Plant File)

IMPDCERT

CASTLE VALLEY RESOURCES, INC.
WELLINGTON PREPARATION PLANT

MSHA I.D. # 42-00099

WATER IMPOUNDMENT AND IMPOUNDING STRUCTURE REPORT

ANNUAL CERTIFICATION

IMPOUNDMENT: LOWER REFUSE POND
IMPOUNDMENT ID: 1211-UT-09-00099-03

Changes in the geometry of the impounding structure during this reporting period: None.

Instrumentation: None.

Impounded water, sediment, or slurry level: Dry - System inactive since 1985.

Storage capacity of the impounding structure: Design capacity is 1,200 acre feet.

Average volume of water, sediment, or slurry impounded: Dry - Approximately 1,000 acre feet.

Fires occurring in the construction materials: None.

Other aspects of the impounding structure affecting its stability which occurred during this reporting period: No structural failures noted. No seepage noted. No significant* erosion noted. Facility appears stable.
*Deeper than nine inches.

I do hereby certify that all work and maintenance performed on the Lower Refuse Pond was in accordance with the design and plan.

Lewis G. Manwaring — 3-29-90
Name — Date

COAL SYSTEMS, Inc.

Registered Professional Engineer
No. 4212
LEWIS G. MANWARING
STATE OF UTAH

cc: DOGM
C. Manzanares (Plant File)

IMPDURP

CASTLE VALLEY RESOURCES, INC.
WELLINGTON PREPARATION PLANT

MSHA I.D. # 42-00099

WATER IMPOUNDMENT AND IMPOUNDING STRUCTURE REPORT

ANNUAL CERTIFICATION

IMPOUNDMENT: UPPER REFUSE POND
IMPOUNDMENT ID: 1211-UT-09-00099-04

~~Changes in~~ the geometry of the impounding structure during this reporting period: None

Instrumentation: None

Impounded water, sediment, or slurry level: Dry - System inactive since 1985

Storage capacity of the impounding structure: Storage capacity unchanged during 1989

Average volume of water, sediment, or slurry impounded: Dry - Currently searching for original area topo in order to conduct volume determination. Will report when determined.

Fires occurring in the construction materials: None

Other aspects of the impounding structure affecting its stability which occurred during this reporting period: No structural failures noted. No seepage noted. No significant*erosion noted. Facility appears stable.
*Deeper than nine inches

I do hereby certify that all work and maintenance performed on the Upper Refuse Pond was in accordance with the design and plan.

Lewis G Manwaring
Name

3-29-90
Date

COAL SYSTEMS, Inc.

Registered Professional Engineer
No. 4212
LEWIS G. MANWARING
State of Utah

cc: DOGM
C. Manzanares (Plant File)

act/007/012
#7

COAL SYSTEMS, Inc.
CONSULTANTS/ENGINEERS

L. G. MANWARING, P.E.
President

P.O. BOX 17117
SALT LAKE CITY, UTAH 84117

Area Code 801
261-4500

RECEIVED
APR 27 1990
DIVISION OF
OIL, GAS & MINING

April 26, 1990

Mr. Rick Summers
DIVISION OF OIL, GAS, AND MINING
3 Triad Center, #350
Salt Lake City, Utah 84180-1203

Dear Mr. Summers,

Please find enclosed the copies of the Surface and Ground Water data for the first quarter of 1990. If you have any questions concerning this information, please contact us.

Sincerely,

COAL SYSTEMS, Inc.

Sterling D Stoddard

Sterling Stoddard
Staff Engineer

SS/lc
Enclosure
cc: C. Manzanares

File ACT/007/012
#2 & #7

COAL SYSTEMS, Inc.

CONSULTANTS/ENGINEERS

L. G. MANWARING, P.E.
President

P.O. BOX 17117
SALT LAKE CITY, UTAH 84117
Area Code 801
261-1301

January 8, 1990

CERTIFIED MAIL
(Return Receipt Requested)

Mr. Don A. Ostler
Executive Secretary
Department of Health
Division of Environmental Health
P.O. Box 16690
Salt Lake City, Utah 84116-0690

Re: Genwal Coal Company
Permit for Coal Mining
UTG040010
Monitoring Point 002

Dear Mr. Ostler:

During the routine quarterly sampling of discharge points under the charge of the above permit, we discovered that point 002 was discharging.

It appears a perched ground water source, above the level of the Price River, was flowing into the currently abandoned pump house and then discharging around and through the existing but dormant pumping system and out the intake system into the Price River.

The permit requires notification by phone, which was done on January 5, 1990, and written notification within 5 days. We feel that this discharge falls under PART II, I.2.b. and then PART III, H., which refers to PART III, G.2.b., which concludes that this is an unanticipated bypass.

Samples were taken and sent in for analysis; the following field analysis is offered until that lab work is completed and reported to your office.

Date of Sample: January 5, 1990
Discharge Point-002

Flow (GPM)	Temp (Deg C)	Conductivity	pH	Dissolved Oxygen (PPM)
31.5	9.4	3200	7.31	7.0

The flow rate appears to be continuous, but previous visits to the site indicated that this discharge point was not

discharging. However, we are suggesting that monitoring point 002 be made a active monitoring station as soon as possible and reporting forms be forwarded.

Sincerely,

COAL SYSTEMS, INC.

David A. Skidmore
Mining Engineer,

cc: D. Schwehr
C. Manzanares
R. Summers

DOGM
FOLDER
WATER
QUAL.
1990

File ACT/007/012 #7

Genwal Coal Co., Inc.

P.O. Box 1201 • Huntington, Utah 84528-1201 • (801) 687-9813

October 2, 1989

State of Utah
Natural Resources
Oil, Gas & Mining
Mined Land Reclamation Program
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Attention: Mr. Harold Sandbeck

Subject: WELLINGTON NPDES PERMIT

Dear Mr. Sandbeck:

Attached are the NPDES permit for Genwal's Wellington Coal Preparation Plant, a description of the discharge points and a map. These items are submitted as part of our application to renew the mining and reclamation permit.

Sincerely,

Dennis J. Schwehr

DJS:dm

Attachment

cc: C. Vaughn
G. Manwaring

KAISER COAL

KAISER COAL CORPORATION
OF YORK CANYON
P. O. BOX 1107
RATON, NEW MEXICO 87740
(505) 445-5536

October 4, 1989

Genwal Load Site
P. O. Box 766
Wellington, Utah 84542

Dear Sirs:

Enclosed please find additional files regarding Slurry Pond Certification at the Wellington Preparation Plant, Permit No. 007/012.

Very truly yours,

KAISER COAL CORPORATION

John M. Palfy
Agent - Kaiser Coal Corp.

JMP:mcs
Enclosure
cc: Harold Sandbeck ✓

KAISER COAL

KAISER COAL CORPORATION
OF YORK CANYON
P. O. BOX 1107
RATON, NEW MEXICO 87740
(505) 445-5536

October 4, 1989

Genwal Load Site
P. O. Box 766
Wellington, Utah 84542

Dear Sirs:

Enclosed please find Pond Inspection Reports for Wellington's upper, lower and clearwater pond sites for the weeks ending 7/8/89, 7/15/89, 7/22/89, 7/29/89, and 8/5/89 inclusive. These three ponds are the MSHA pond sites which must be inspected once per week.

If you have any questions regarding the enclosed information, please do not hesitate to call.

Very truly yours,

KAISER COAL CORPORATION

John M. Palfy
Agent - Kaiser Coal Corp.

JMP:mcs
Enclosure
cc: Harold Sandback - DOGM (with encl.)

Genwal Coal Co., Inc.

P.O. Box 1201 • Huntington, Utah 84528-1201 • (801) 687-9813

October 2, 1989

State of Utah
Natural Resources
Oil, Gas & Mining
Mined Land Reclamation Program
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Attention: Mr. Harold Sandbeck

Subject: WELLINGTON NPDES PERMIT

Dear Mr. Sandbeck:

Attached are the NPDES permit for Genwal's Wellington Coal Preparation Plant, a description of the discharge points and a map. These items are submitted as part of our application to renew the mining and reclamation permit.

Sincerely,

Dennis J. Schwehr

DJS:dm

Attachment

cc: C. Vaughn
G. Manwaring

Mining
DOCUMENT NO. 1347k

Permit No.: UTG040010

STATE OF UTAH
DEPARTMENT OF HEALTH
BUREAU OF WATER POLLUTION CONTROL
P.O. BOX - 16690
SALT LAKE CITY, UTAH 84116-0690

Authorization to Discharge Under the Utah Pollutant Discharge Elimination System Utah General Permit for Coal Mining

In compliance with provisions of the **Utah Water Pollution Control Act**, Title 26 Chapter 11 Utah Code Annotated, 1953 as amended, the Act. The coal company identified in the application is authorized to discharge to Waters of the State as identified in the application in accordance with discharge point(s), effluent limitations, monitoring requirements and other conditions set forth herein.

Coverage under this general permit for Genwal Coal Company shall become effective on September 23, 1989.

This general permit and the authorization to discharge shall expire at midnight, April 30, 1993.

Signed this 21st day of September 1989

Don A. Ostler

Authorized Permitting Official
Executive Secretary
Water Pollution Control Committee

TABLE OF CONTENTS

I. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

A. Definitions.

1. The "30-day (and monthly) average", is the arithmetic average of all samples collected during a consecutive 30-day period or calendar month, whichever is applicable. The calendar month shall be used for purposes of reporting self-monitoring data on discharge monitoring report forms.

2. The "7-day (and weekly) average", is the arithmetic average of all samples collected during a consecutive 7-day period or calendar week, whichever is applicable. The 7-day and weekly averages are applicable only to those effluent characteristics for which there are 7-day average effluent limitations. The calendar week which begins on Sunday and ends on Saturday, shall be used for purposes of reporting self-monitoring data on discharge monitoring report forms. Weekly averages shall be calculated for all calendar weeks with Saturdays in the month. If a calendar week overlaps two months (i.e., the Sunday is in one month and the Saturday in the following month), the weekly average calculated for that calendar week shall be included in the data for the month that contains the Saturday.

3. "Daily Maximum" ("Daily Max.") is the maximum value allowable in any single sample or instantaneous measurement.

4. "Composite samples" shall be flow proportioned. The composite sample shall, as a minimum, contain at least four (4) samples collected over the compositing period. Unless otherwise specified, the time between the collection of the first sample and the last sample shall not be less than six (6) hours nor more than 24 hours. Acceptable methods for preparation of composite samples are as follows:

   a. Constant time interval between samples, sample volume proportional to flow rate at time of sampling;

   b. Constant time interval between samples, sample volume proportional to total flow (volume) since last sample. For the first sample, the flow rate at the time the sample was collected may be used;

   c. Constant sample volume, time interval between samples proportional to flow (i.e., sample taken every "X" gallons of flow); and,

   d. Continuous collection of sample, with sample collection rate proportional to flow rate.

5. A "grab" sample, for monitoring requirements, is defined as a single "dip and take" sample collected at a representative point in the discharge stream.

6. An "instantaneous" measurement, for monitoring requirements, is defined as a single reading, observation, or measurement.

7. "Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology-based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

8. "Bypass" means the diversion of waste streams from any portion of a treatment facility.

9. "Severe property damage" means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

10. "Executive Secretary" means Executive Secretary of the Utah Water Pollution Control Committee.

11. "EPA" means the United States Environmental Protection Agency.

12. The term "10-year, 24-hour precipitation event" shall mean the maximum 24-hour precipitation event with a probable recurrence interval of once in 10 years as defined by the National Weather Service and Technical Paper No. 40, **Rainfall Frequency Atlas of the U.S.**, May 1961, and subsequent amendments or equivalent regional or rainfall probability information developed therefrom.

13. "Active mining area" means the areas on and beneath land used or disturbed in activity related to the extraction, removal, or recovery of coal from its natural deposits. This term excludes coal preparation plants, coal preparation plant associated areas and post-mining areas.

14. "Reclamation area" means the surface area of a coal mine which has been returned to required contour and on which revegetation (specifically, seeding or planting) work has commenced.

15. The term "coal preparation plant" means a facility where coal is crushed, screened, sized, cleaned, dried, or otherwise prepared and loaded for transit to a consuming facility.

16. The term "coal preparation plant associated areas" means the coal preparation plant yards, immediate access roads, coal refuse piles, and coal storage piles and facilities.

17. The term "settleable solids" is that matter measured by the volumetric method specified below:

The following procedure is used to determine settleable solids:

Fill an Imhoff cone to the one-liter mark with a thoroughly mixed sample. Allow to settle undisturbed for 45 minutes. Gently stir along the inside surface of the cone with a stirring rod. Allow to settle undisturbed for 15 minutes longer. Record the volume of settled material in the cone as milliliters per liter. Where a separation of settleable and floating material occurs, do not include the floating material in the reading.

18. Mine drainage means any drainage, and any water pumped or syphoned, from an active mining area or a post mining area.

19. Alkaline mine drainage means mine drainage which before any treatment has a pH equal to or greater than 6.0 and total iron concentration less then 10 mg/l.

20. Post mining areas means: 1) a reclamation area or 2) the underground workings of an underground coal mine after extraction removal or recovery of coal from its natural deposit has ceased and prior to bond release.

B. Criteria for Inclusion in The General Permit for Coal Mining.

This General permit shall apply only to the discharge of treated wastewater from:

Coal mining operations either new or existing in Utah which include or will include in part or in whole alkaline mine water drainage, storm water runoff from coal preparation plant associated areas, active mining areas, and post mining areas. The total amount of total dissolved solids discharged from all mine water and decant operations is limited to one ton per day.

C. Notice of Intent for a General Permit for Coal Mining.

1. Any facility which desires a general permit for coal mining and meets the requirement of B. above can be issued a general permit only by following the procedures listed below.

Submit a Notice of Intent (NOI) to obtain a general permit for coal mining. The NOI shall include the following items:

a. Name of the facility.

b. Facility contact person and phone number for that person.

c. The facility mailing address (include zip code).

d. Complete items e through q of the NOI if the information contained in those items has not already been submitted in a previous NOI or individual UPDES application, or if circumstances have changed such that the information previously submitted would be out of date or incorrect.

e. Facility location such as street address, county, city or town, state and zip code. Include the latitude and longitude of the facility to the nearest 15 seconds.

f. Name of the operator if other than the owner. Indicate here if the owner will be the operator and the phone number where the operator can be reached during normal and off work hours, and the address of the operator.

g. Statement as to whether the facility or any existing or proposed discharge points are located on Indian lands or within National Forest boundaries.

h. List of any other permits (including other UPDES permits) that the facility has or is attempting to obtain such as UIC or RCRA.

i. Statements as to whether the facility has any hazardous waste treatment storage or disposal areas.

j. List location and identification number (such as 001, 002, etc.) of each existing discharge and/or proposed discharge point(s). This includes the latitude and longitude to the nearest 15 seconds and the name of the receiving water(s).

k. A description of the source of the wastewater for each discharge point.

l. A description of the treatment given or proposed for the wastewater at each discharge point and if necessary a justification of why no treatment is required.

m. Indicate for each discharge point flow characteristics such as whether flow is or will be continuous or intermittent and indicate projected and/or actual average and maximum flows in gpd.

n. For each discharge point submit data for the following parameters:

1) Biochemical oxygen demand (BOD)
2) Chemical oxygen demand (COD)
3) Total organic carbon (TOC)
4) Total suspended solids (TSS)
5) Flow
6) Ammonia (as N)
7) Oil and grease
8) Temperature
9) pH
10) Total dissolved solids (TDS)
11) Total iron
12) Date and time of sampling for each parameter
13) Date and time of analysis for each parameter
14) Laboratory which has completed the analysis for each parameter

If no data is available, indicate why the data is not available.

The Executive Secretary may waive the reporting requirements for any of these pollutants and parameters if the applicant submits a request for such a waiver before or with the NOI which demonstrates that information adequate to support issuance of the permit can be obtained through less stringent reporting requirements.

o. Indicate for each discharge point the presence or absence of any toxic and/or priority pollutants as listed by EPA in 40 CFR Part 403.

p. Area Maps (Active Mining Operations)

Facilities are required to submit an Area Map in the form specified hereafter.

The Area Map(s) and any necessary revised Area Map(s) shall be submitted in the form specified below and shall be made from USGS topographical maps (7.5 or 15-minute series) or other appropriate sources as approved by the Executive Secretary or his designee. Each revised area map shall be 8 1/2 inches by 11 inches and shall be in black and white suitable to produce readable copies by rapid printing methods. (Xerox, Dennison, Offset printing, etc.) or as approved by the Executive Secretary. Where additional 8 1/2 inch by 11 inch maps are required to show the area of operation, they shall be numbered and a key shall be shown on the first map. The first map section shall have the company name, mine/job name, address, and UPDES number clearly printed thereon. Also, one line of latitude and one line of longitude shall be marked on each map section. The Area Map(s) shall delineate the following, using the graphics as indicated:

1. Existing area of operation shall be outlined by a solid line and the map shall show areas at least one mile beyond the existing areas of operation. _____

2. Existing point source(s) (Solid Triangle)

3. The projected area of operation for the next five years --------- (Dashed Outline)

4. Projected point source(s) for the next five years (Opened Triangle)

5. The active-inactive status of all discharge points which are listed in the application. These discharge points shall be assigned numbers 001, 002, 003, etc.

6. The location of springs, rivers and other surface water bodies.

7. The location of any hazardous waste treatment, storage and disposal areas, and where any fluids are injected into the ground.

q. If there are any changes corrections, or other modifications or adjustments of the location of the point source discharges, the permittee shall submit a revised Area Map(s) as described in p. above. Such maps must be submitted 30 days prior to commencement of the discharge.

r. The NOI must be signed by a responsible official of the company with the following format:

> I certify under penalty of law that I have personally examined and am familiar with the information submitted in the application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the NOI application, I believe the information is true, accurate and correct. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.
>
> _____ _____ _____
> Name and Official Title Signature Date

2. Additional information or clarification of information submitted in the NOI may be requested by the Executive Secretary.

3. The NOI to obtain a General Permit for Coal Mining shall be submitted 180 days before expiration of the general permit or an individual permit, for all facilities desiring to continue or obtain a general permit; with the exception of those facilities that have submitted an NOI within one year of the expiration date of the general permit need not resubmit another NOI.

4. New facilities must submit a NOI at least 180 days before the beginning date of discharge.

5. The Executive Secretary will respond to the submission of the NOI by reviewing the NOI within 30 days for a UPDES new source or discharger and 60 days for an existing source and notifying the permittee whether more information is needed or if the NOI is complete, issue the general permit.

D. Specific Limitations and Self-Monitoring Requirements.

1. During the period beginning immediately and lasting through the duration of this permit, the permittee is authorized to discharge from all point sources associated with active mining operations indicated on the Area Maps submitted and approved pursuant to Part I. C. 1p. Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristics	Discharge Limitations a/ Average 30-day	7-Day	Daily Maximum	Monitoring Requirements Measurement Frequency	Sample Type
Flow, gpd	N/A	N/A	N/A	Monthly	Measured b/
Suspended Solids, mg/L	25	35	70	Monthly	Grab
Total Iron, mg/L	N/A	N/A	2.0	Monthly	Grab
Dissolved Solids, lbs/day	N/A	N/A	N/A c/	Monthly	Grab
Oil Grease, mg/L	N/A	N/A	10	Monthly	Grab

The pH shall not be less than 6.5 standard units nor greater than 9.0 standard units and shall be monitored twice per month by a grab sample.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

There shall be no discharge of sanitary wastes or any process water from coal preparation plants.

a/ See Definitions, Part I. A. for definition of terms.

b/ For the intermittent discharges, the duration of the discharge shall be reported along with the flow.

c/ The total amount of Total Dissolved Solids (TDS) discharged from all mine water and decant operations is limited to one ton (2,000 pounds) per day.

2. Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): at any point which is representative of each discharge prior to its mixing with the receiving stream and as indicated by the solid triangles on the current Area Maps submitted pursuant to part I. C. 1p.

3. Any overflow, increase in volume of a discharge or discharge from a bypass system caused by precipitation within a 24-hour period less than or equal to the 10-year, 24-hour precipitation event (or snowmelt of equivalent volume) at any outfall may comply with the following limitation instead of the Total Suspended Solids limitations contained in Part I. D. 1. provided the facility has been designed, constructed and operated to adequately treat up to a 10 year 24 hour storm event:

Effluent Characteristic	Daily Maximum
Settleable Solids	0.5 ml/L

In addition to the monitoring requirements specified under Part I. D. 1., all effluent samples collected during storm water discharge events shall also be analyzed for settleable solids. Such analyses shall be conducted on grab samples.

4. Any overflow, increase in volume of a discharge or discharge from a bypass system caused by precipitation within a 24-hour period greater than the 10-year, 24-hour precipitation event (or snowmelt of equivalent volume) at any outfall may comply with the following limitations instead of the otherwise applicable limitations:

   The pH shall not be less than 6.5 standard units nor greater than 9.0 standard units. However, as stated under Part I. D. 3., all effluent samples collected at any outfall during storm water discharge events shall be analyzed for settleable solids and the parameters identified under Part I. D. 1.

5. The operator shall have the burden of proof that the discharge or increase in discharge was caused by the applicable precipitation event described in Parts I. D. 3. and D. 4. The alternate limitations in Parts I. D. 3. and D. 4. shall not apply to treatment systems that treat underground mine water only.

6. Best Management Practices. The company shall implement and maintain best management practices for the control of road salt storage and dust suppressent runoff and for the prevention of the discharge of process water from coal preparation plants. In addition the facility must minimize the discharge of salt by using the largest practical amount of saline water for process and dust control.

II. MONITORING, RECORDING AND REPORTING REQUIREMENTS

A. Representative Sampling. Samples taken in compliance with the monitoring requirements established under Part I shall be collected from the effluent stream prior to discharge into the receiving waters. Samples and measurements shall be representative of the volume and nature of the monitored discharge.

B. Monitoring Procedures. Monitoring must be conducted according to test procedures approved under Utah Administrative Code (UAC) Section R448-2-10, unless other test procedures have been specified in this permit.

C. Penalties for Tampering. The Act provides that any person who falsifies, tampers with, or knowingly renders inaccurate, any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of not more than $10,000 per violation, or by imprisonment for not more than six months per violation, or by both.

D. Reporting of Monitoring Results. Monitoring results obtained during the previous calendar quarter shall be summarized for each calendar month on separate Discharge Monitoring Report Forms (DMR, EPA No. 3320-1). All three DMRs for the calendar quarter shall be postmarked no later than the 28th day of the calendar month following the completed reporting period. If no discharge occurs during the reporting period, "no discharge" shall be reported. Legible copies of these, and all other reports required herein, shall be signed and certified in accordance with the requirements of Signatory Requirements (see Part IV), and submitted to the Utah Bureau of Water Pollution Control and to EPA at the following addresses:

Original to:
Utah Department of Health
Bureau of Water Pollution Control
288 North 1460 West
P.O. Box 16690
Salt Lake City, Utah 84116-0690
Attention: Compliance and Monitoring Program

Copy to:
United States Environmental Protection Agency
Region VIII
Denver Place
999 18th Street, Suite 500
Denver, Colorado 80202-2405
Attention: Water Management Division
Compliance Branch (8WM-C)

E. Compliance Schedules. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any Compliance Schedule of this permit shall be submitted no later than 14 days following each schedule date.

F. Additional Monitoring by the Permittee. If the permittee monitors any pollutant more frequently than required by this permit, using test procedures approved under UAC Section R448-2-10 as specified in this permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR. Such increased frequency shall also be indicated.

G. Records Contents. Records of monitoring information shall include:
1. The date, exact place, and time of sampling or measurements:
2. The individual(s) who performed the sampling or measurements;
3. The date(s) and time(s) analyses were performed;
4. The individual(s) who performed the analyses;
5. The analytical techniques or methods used; and,
6. The results of such analyses.

H. Retention of Records. The permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least three years from the date of the sample, measurement, report or application. This period may be extended by request of the Executive Secretary at any time. Data collected on site, copies of Discharge Monitoring Reports, and a copy of this UPDES permit must be maintained on site during the duration of activity at the permitted location.

I. Twenty-four Hour Notice of Noncompliance Reporting.

1. The permittee shall (orally) report any noncompliance which may seriously endanger health or the environment as soon as possible, but no later than twenty-four (24) hours from the time the permittee first became aware of the circumstances. The report shall be made to the Utah Bureau of Water Pollution Control, (801) 538-6146, or 24 hour answering service (801) 538-6333.

2. The following occurrences of noncompliance shall be reported by telephone to the Utah Bureau of Water Pollution Control, Compliance and Monitoring Branch at (801) 538-6146 by the first workday (8:00 a.m. - 5:00 p.m. Mountain Time) following the day the permittee became aware of the circumstances:

   a. Any unanticipated bypass which exceeds any effluent limitation in the permit (See Part III. G., Bypass of Treatment Facilities.);

   b. Any upset which exceeds any effluent limitation in the permit (See Part III. H., Upset Conditions.); or,

   c. Violation of a maximum daily discharge limitation for any of the pollutants listed in the permit.

3. A written submission shall also be provided within five days of the time that the permittee becomes aware of the circumstances. The written submission shall contain:

   a. A description of the noncompliance and its cause;

   b. The period of noncompliance, including exact dates and times;

   c. The estimated time noncompliance is expected to continue if it has not been corrected; and,

d. Steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.

e. Steps taken, if any, to mitigate the adverse impacts on the environment and human health during the noncompliance period.

4. The Executive Secretary may waive the written report on a case-by-case basis if the oral report has been received within 24 hours by the Compliance and Monitoring Branch, Utah Bureau of Water Pollution Control, (801) 538-6146.

5. Reports shall be submitted to the addresses in Part II. D., Reporting of Monitoring Results.

J. Other Noncompliance Reporting. Instances of noncompliance not required to be reported within 24 hours shall be reported at the time that monitoring reports for Part II. D. are submitted. The reports shall contain the information listed in Part II. I. 3.

K. Inspection and Entry. The permittee shall allow the Executive Secretary, or an authorized representative, or EPA upon the presentation of credentials and other documents as may be required by law, to:

1. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of the permit;

2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

3. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and,

4. Sample or monitor at reasonable times, for the purpose of assuring permit compliance or as otherwise authorized by the Act, any substances or parameters at any location.

III. COMPLIANCE RESPONSIBILITIES

A. Duty to Comply. The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. The permittee shall give advance notice to the Executive Secretary of the Water Pollution Control Committee of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

B. Penalties for Violations of Permit Conditions. The Act provides that any person who violates a permit condition implementing provisions of the Act is subject to a civil penalty not to exceed $10,000 per day of such violation. Any person who willfully or negligently violates permit conditions is subject to a fine not exceeding $25,000 per day of violation. Any person convicted under Section 26-11-16(2) of the Act a second time shall be punished by a fine not exceeding $50,000 per day. Except as provided in permit conditions on Part III. G., Bypass of Treatment Facilities and Part III. H., Upset Conditions, nothing in this permit shall be construed to relieve the permittee of the civil or criminal penalties for noncompliance.

C. Need to Halt or Reduce Activity not a Defense. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

D. Duty to Mitigate. The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

E. Proper Operation and Maintenance. The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls and quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of the permit.

F. Removed Substances. Collected screenings, grit, solids, sludges, or other pollutants removed in the course of treatment shall be buried or disposed of in such a manner so as to prevent any pollutant from entering any waters of the state or creating a health hazard. Sludge/digestor supernatant and filter backwash shall not directly enter either the final effluent or waters of the state.

G. Bypass of Treatment Facilities.

1. Bypass not exceeding limitations. The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of paragraphs 2 and 3 of this section. Return of removed substances, as described in Part III. F., to the discharge stream shall not be considered a bypass under the provisions of this paragraph.

2. Notice:

   a. Anticipated bypass. If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible at least 60 days before the date of the bypass.

   b. Unanticipated bypass. The permittee shall submit notice of an unanticipated bypass as required under Part II. I., Twenty-four Hour Reporting.

3. Prohibition of bypass.

   a. Bypass is prohibited and the Executive Secretary may take enforcement action against a permittee for a bypass, unless:

      (1) The bypass was unavoidable to prevent loss of life, personal injury, or severe property damage ;

      (2) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and,

      (3) The permittee submitted notices as required under paragraph 2 of this section.

   b. The Executive Secretary may approve an anticipated bypass, after considering its adverse effects, if the Executive Secretary determines that it will meet the three conditions listed above in paragraph 3. a. of this section.

H. Upset Conditions.

1. Effect of an upset. An upset constitutes an affirmative defense to an action brought for noncompliance with technology based permit effluent limitations if the requirements of paragraph 2 of this section are met. The Executive Secretary's administrative determination regarding a claim of upset cannot be judiciously challenged by the permittee until such time as an action is taken for noncompliance.

2. Conditions necessary for a demonstration of upset. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:

   a. An upset occurred and that the permittee can identify the cause(s) of the upset;

   b. The permitted facility was at the time being properly operated;

   c. The permittee submitted notice of the upset as required under Part II. I. Twenty-four Hour Notice of Noncompliance Reporting; and,

   d. The permittee complied with any remedial measures required under Part III. D., Duty to Mitigate.

3. Burden of proof. In any enforcement proceeding, the permittee seeking to establish the occurrence of an upset has the burden of proof.

I. Toxic Pollutants. The permittee shall comply with effluent standards or prohibitions established under Section 307(a) of the Federal Clean Water Act for toxic pollutants within the time provided in the regulations that establish those standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement.

J. Changes in Discharge of Toxic Substances. Notification shall be provided to the Executive Secretary as soon as the permittee knows of, or has reason to believe:

1. That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":

   a. One hundred micrograms per liter (100 ug/L);

   b. Two hundred micrograms per liter (200 ug/L) for acrolein and acrylonitrile; five hundred micrograms per liter (500 ug/L) for 2,4-dinitrophenol and for 2-methyl-4, 6-dinitrophenol; and one milligram per liter (1 mg/L) for antimony;

   c. Five (5) times the maximum concentration value reported for that pollutant in the permit application in accordance with UAC Section R448-8-3.4 (7) or (10); or,

   d. The level established by the Executive Secretary in accordance with UAC Section R448-8-4.2 (6).

2. That any activity has occurred or will occur which would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":

a. Five hundred micrograms per liter (500 ug/L);

b. One milligram per liter (1 mg/L) for antimony:

c. Ten (10) times the maximum concentration value reported for that pollutant in the permit application in accordance with UAC Section R448-8-3.4(9); or,

d. The level established by the Executive Secretary in accordance with UAC Section R448-8-4.2(6).

IV. GENERAL REQUIREMENTS

A. Planned Changes. The permittee shall give notice to the Executive Secretary as soon as possible of any planned physical alterations or additions to the permitted facility. Notice is required only when:

1. The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source as defined in UAC Section R448-8-1.5.; or,

2. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations in the permit, nor to notification requirements under Part IV. A. 2.

B. Anticipated Noncompliance. The permittee shall give advance notice of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

C. Permit Actions. This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

D. Duty to Reapply. If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for and obtain a new permit. The application should be submitted at least 180 days before the expiration date of this permit.

E. Duty to Provide Information. The permittee shall furnish to the Executive Secretary, within a reasonable time, any information which the Executive Secretary may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The permittee shall also furnish to the Executive Secretary, upon request, copies of records required to be kept by this permit.

F. Other Information. When the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or any report to the Executive Secretary, it shall promptly submit such facts or information.

G. Signatory Requirements. All applications, reports or information submitted to the Executive Secretary shall be signed and certified.

1. All permit applications shall be signed as follows:

a. For a corporation: by a responsible corporate officer;

b. For a partnership or sole proprietorship: by a general partner or the proprietor, respectively;

c. For a municipality, State, Federal, or other public agency: by either a principal executive officer or ranking elected official.

2. All reports required by the permit and other information requested by the Executive Secretary shall be signed by a person described above or by a duly authorized representative of that person. A person is a duly authorized representative only if:

a. The authorization is made in writing by a person described above and submitted to the Executive Secretary, and,

b. The authorization specified either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position.)

3. Changes to authorization. If an authorization under paragraph IV. G. 2. is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of paragraph IV. G. 2. must be submitted to the Executive Secretary prior to or together with any reports, information, or applications to be signed by an authorized representative.

4. Certification. Any person signing a document under this section shall make the following certification:

"I certify under penalty of law that this document and all attachments were prepaed under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

H. Penalties for Falsification of Reports. The Act provides that any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or noncompliance shall, upon conviction be punished by a fine of not more than $10,000 per violation, or by imprisonment for not more than six months per violation, or by both.

I. Availability of Reports. Except for data determined to be confidential under UAC Section R448-8-3.2, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Executive Secretary. As required by the Act, permit applications, permits and effluent data shall not be considered confidential.

J. Oil and Hazardous Substance Liability. Nothing in this permit shall be construed to preclude the permittee of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under Section 311 of the Federal Clean Water Act or the Utah Water Pollution Control Act.

K. Property Rights. The issuance of this permit does not convey any property rights of any sort, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

L. Severability. The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

M. Transfers. This permit may be automatically transferred to a new permittee if:

1. The current permittee notifies the Executive Secretary at least 30 days in advance of the proposed transfer date;

2. The notice includes a written agreement between the existing and new permittee containing a specific date for transfer of permit responsibility, coverage, and liability between them; and,

3. The Executive Secretary does not notify the existing permittee and the proposed new permittee of his or her intent to modify, or revoke and reissue the permit. If this notice is not received, the transfer is effective on the date specified in the agreement mentioned in paragraph 2 above.

N. State Laws. Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable state law or regulation under authority preserved by Section 26-11-19 of the Act.

O. Water Quality Standard Requirement - Reopener Provision
This permit may be reopened and modified (following proper administrative procedures) to include the appropriate effluent limitations and compliance schedule, if necessary, if one or more of the following events occurs:

1. Water Quality Standards for the receiving water(s) to which the permittee discharges are modified in such a manner as to require different effluent limits than contained in this permit.

2. A final wasteload allocation is developed and approved by the State and/or EPA for incorporation in this permit.

3. A revision to the current 208 plan is approved and adopted which calls for different effluent limitations than contained in this permit.

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DESCRIPTION OF DISCHARGE POINTS
(Items J, K, L, & M of Notice of Intent)

Discharge Point 001

Discharge Point 001 is located at approximately 100 degrees 41 minutes 6 seconds east longitude and 39 degrees 31 minutes 22 seconds north latitude. Discharge from this point would be received by the Price River.

As part of the coal washing operations of the previous owners, fine coal refuse was pumped from the coal washing plant to the northern end of the slurry ponds. Waste water went through a series of two slurry ponds and finally into the clear water pond. Water from the clear water pond was then recycled to the wash plant. Because the clear water pond does have an emergency spillway, it is possible that a larger flash flood could cause the clear water pond to discharge. The ponds are dry now, and it is not intended to reactivate them for coal washing at the present time. There is still the remote possibility that a massive flash flood could refill the ponds and cause a discharge over the emergency spillway.

The existing pond system was designed to remove sediment from coal cleaning slurries. It is, therefore, felt that the pond system is already adequate to treat water from a flash flood. Since diversion ditches already reroute most run-off not falling directly onto the pond, contaminants will come from refuse washed from the dry pond bottom or chemicals leached from the waste. While no water from a flash flood large enough to cause a discharge has ever been sampled, samples of water from the clear water pond during and after the cessation of operations of previous owners do exist and are included with the application.

There will be no regular flow from the clear water pond. A flash flood with a re-ocurrence interval greater than 25 years would be required to cause a discharge.

Discharge Point 002

Point source 002 is located at approximately 110 degrees 41 minutes 6 seconds longitude by 39 degrees 31 minutes 22 seconds north latitude. Discharge from this point flows into the Price River.

Genwal Coal Company has water rights on the Price River and a channel leads from the river to a sump with a pump-to-pump water to the coal cleaning plant. This pump facility may be reactivated. In that event, it would be possible for water to flow toward the sump and then flow back to the river. Since this would simply be a return of river water to the river, no special treatment process is proposed. Water quality should be the same as that already in the Price River and analyses of this water are provided with this application.

Flow from this source would result from eddies and mixing in the channel to the sump. The net flow of water will always be 0 or away from the river. The frequent and magnitude of the discharge is, therefore, difficult to quantify but likely to be small.

Discharge Point 003

Discharge Point 003 is located at approximately 110 degrees 41 minutes 41 seconds longitude by 39 degrees 31 minutes 28 seconds north latitude. Discharge from this point would flow to the Price River.

When the Wellington coal cleaning plant was operated by previous owners as a coal cleaning facility, coal refuse was pumped through slurry lines to the slurry ponds. During the winter these lines could freeze and break. The previous owners installed a series of rock filters to treat effluent from this source. Because it is not intended at this point to clean coal at Wellington, this slurry line will be empty and there will never be a discharge from this point. Therefore, no additional treatment is proposed.

Discharge Point 004

Discharge Point 004 is located at approximately 110 degrees 41 minutes 42 seconds longitude by 39 degrees 31 minutes 27 seconds north latitude. Water from this point will discharge into the Price River.

A series of two ponds (auxiliary and heat-dryer ponds) were built near the Wellington coal cleaning plant by the previous owners. These ponds were designed to hold a 25-year flash flood accompanied by the discharge from the plant with a complete power failure. These ponds are now dry and it is not intended to run the Wellington plant for coal cleaning. Still, it is possible that a massive flash flood could refill the ponds and go over the emergency spillway.

The auxiliary and heat-dryer ponds are already designed as sediment ponds and it is proposed that they be used as such for the treatment of flash flood water and run-off from the buildings in the Wellington plant complex. While no flood massive enough to cause discharge has ever been sampled, the water in the auxiliary pond was sampled during operation, and as it dried up, after the previous operator shut the plant down. These water analyses are provided with this application.

Discharge from this source should have a re-occurence interval greater than every 25 years and the magnitude of the discharge will depend on the size of the flood.

Discharge Point 005

Discharge Point 005 is located at approximately 110 degrees 40 minutes 58 seconds longitude by 39 degrees 30 minutes 56 seconds north latitude. The receiving waters are the Price River.

Most water discharging from this point originates as storm run-off from the undisturbed hills around the Wellington plant. A sediment pond is proposed as part of new coal screening and loading operations of Genwal Coal Company. This pond would discharge after a 10-year flash flood. This discharge would flow down a ditch and discharge through a culvert at the discharge point. Additionally, previous operations have build piles of coarse coal wash refuse beside the ditch. It is possible for run-off or leachate seeping from the pile to get into the ditch and be discharged during a precipitation event.

It is proposed to treat water running off the coal loading and screening pad with a sediment pond. Water running north off the top of the existing refuse piles will also be treated and passed through the sediment pond. Water running off the pile or seeping into the ditch below the refuse pile will be treated with a silt fence. Since the coal loading pad has not been constructed, no samples of the run-off exist, however, samples of the leachate from the refuse pile do exist and are provided with this application.

The sediment pond is designed to discharge around six cubic feet per minute. This discharge would result from a 10-year flash flood. Otherwise, there will probably be no discharge from the pond. A 25-year flash flood with a wet antecedent moisture condition (which is very abnormal for the area) or a larger flash flood could cause discharge over the emergency spillway and the magnitude of this discharge would depend on the flood. Run-off or seepage from the pile into the ditch could occur with any significant precipitation event. Because this discharge point handles water from disturbed and undisturbed ground and drains a watershed of over 350 acres, there will be some kind of discharge at this point during most significant precipitation event.

Discharge Point 006

Discharge Point 006 is located approximately at 110 degrees 42 minutes and 15 seconds longitude by 30 degrees 31 minutes 52 seconds north latitude. The receiving waters are the Price River.

In the early 1980's, Utah Power and Light (UP&L) leased ground just north of the Wellington coal cleaning plant for used as a staging area. Materials once stored there have been removed but a few roads remain. It is not intended to further disturb this area at this time, though a flood train loading facility may be built here in the future. Run-off from this area has never been tested, and attempts to take samples during the next storm large enough to create run-off are planned. Because a complete list of materials stored at the site is not available and this run-off has never been tested; this point is being included until run-off is proven harmless.

No treatment is proposed at this point unless a hazard or contaminant from UP&L's previous operation is found. Except for a few remaining dirt roads, this country is undisturbed and run-off is just the natural run-off from the land.

Discharge Point 007

Discharge Point 007 is located at about 110 degrees 42 minutes longitude by 39 degrees 31 minutes 35 seconds north latitude. The receiving waters are the Price River. Potential flows and contaminants at this discharge point are the same as 006 and sampling is planned.

Discharge Point 008

Discharge Point 008 is located at about 110 degrees 41 minutes 43 seconds west longitude by 39 degrees 31 minutes 56 seconds north latitude. The receiving waters are the Price River.

Previous operators discharged coal as slurries into slurry ponds shown on the map. Water can seep from these ponds and mix with water diverted through

ditches from undisturbed ground. When the Wellington plant was operated for coal cleaning and the ponds were partially filled, seepage could be of both rain water falling on the ponds or process water from the ponds. Since it is not intended at this point to clean coal at Wellington, any contamination will come from rain water leaching coal refuse and seeping into the ditch.

The flow in the ditch will be mostly diverted storm run-off from undisturbed ground. Seepage should be small although difficult to quantify for these conditions. Since the water is already being diverted from disturbed ground, no further treatment is planned unless analyses show problems requiring remediation. Analyses of water from the diversion ditch are included with the application.

N. Discharge Point Data

There is a limited amount of data for some of the discharge points. This data is included as informational only. It is reflective of the operation conducted by U. S. Steel and it is in no way reflective of the proposed coal loading facility to be operated by Genwal Coal Company. Coal will not be processed; it will be stored and loaded into rail cars. Initial discharge from the new and existing points will be monitored and data collected and reported as it is available. This data will then be used to determine compliance with the parameters outlined in the Utah General Permit for Coal Mining #UTG040000.

Norman H. Bangerter
Governor
Suzanne Dandoy, M.D., M.P.H.
Executive Director
Kenneth L. Alkema
Director

DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH

288 North 1460 West
P.O. Box 16690
Salt Lake City, Utah 84116-0690
(801) 538-6121

RECEIVED SEP 2 6 1989

September 19, 1989

CERTIFIED MAIL
(Return Receipt Requested)

Mr. Candy Manzanares
Genwal Coal Company
P.O. Box 766
Wellington, Utah 84542

Re: Issuance of General
Permit for Coal Mining
UTG040010

Dear Mr. Manzanares:

We acknowledge receipt by the State of Genwal Coal Company's, Notice of Intent (NOI) for coverage under the Utah General Permit for Coal Mining. The NOI submitted for the Wellington Coal Cleaning Plant is considered complete and adequate for issuance of a general permit.

It is our understanding that this facility will not be processing coal, but will basically be a storage and transport facility. There are eight discharge points listed and the general permit will cover seven of these points (001, 003, 004, 005, 006, 007, and 008). Point 002 is Price River water which is not a discharge, but considered as a diversion. Point 002 will not be required to meet effluent limitations as contained in the Utah General Permit for Coal Mining with the provision that it be used only as described in the NOI. A copy of the final signed permit is enclosed. Coverage shall begin on September 23, 1989 and all requirements and conditions will be in full force and effect at that time.

Preprinted Discharge Monitoring Report forms (EPA form 3320-1) for self monitoring and reporting requirements as specified in the permit will be sent to Genwal Coal Company.

Also enclosed is the billing information for issuance of your Utah Pollutant Discharge

Elimination System (UPDES) permit. A fee scheduled was included in the Utah Department of Health budget appropriation request at the direction of the Legislature and in accordance with Utah Code Annotated 26-1-6. The fee scheduled as approved by the Legislature includes a $100.00 filing fee and a charge equal to the Bureau of Water Pollution Control's actual costs for writing and issuance of a UPDES permit. It is Division policy to charge either the filing fee or the actual cost plus 7% whichever is greater. Please remit $246.05 to the Utah Department of Health, Bureau of Water Pollution Control, P.O. Box 16690, Salt Lake City, Utah 84116-0690.

If you have any questions please contact Mike Herkimer at 538-6146.

Sincerely,

Utah Water Pollution Control Committee

Don A. Ostler, P.E.
Executive Secretary

Enclosure

cc w/enclosure: Bradley Paul, Coal Systems, Inc.
w/enclosure: Rick Somers, DOGM
w/enclosure: Janet Fujita, EPA, Region VIII

Norman H Bangerter
Governor
Suzanne Dandoy, M D , M P H
Executive Director
Kenneth L Alkema
Director

DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH

288 North 1460 West
P O Box 16690
Salt Lake City, Utah 84116-0690
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Utah Water Pollution Control Committee

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Executive Secretary

Enclosure

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w/enclosure: Rick Somers, DOGM
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Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

September 19, 1989

TO: Sue Linner, Permit Supervisor

FROM: Rick P. Summers, Reclamation Hydrologist RPS

RE: Modification of Water Monitoring Plan, Amendment Number ACT/007/012-89B, Received September 7, 1989, Genwal Coal Company, Wellington Preparation Plant, ACT/007/012, Folders #2 & #3

SUMMARY:

The applicant requested modification of the approved surface and groundwater monitoring plan for the Wellington Preparation Plant. The modification consists of reduction of the parameter list for analysis from the Division's current baseline parameters to operational parameters.

Additionally, the existing plan called for flow measurements at two stations (up and downstream) on the Price River. The applicant proposes to measure flow at the downstream station on the Price River and delete the flow measurement at the upstream station. The flow measurement is time intensive and inherent error in the technique would mask any likely detection in flow impacts to the stream.

The deletion of flow measurement for the upstream station is considered approvable based upon: 1) the volume of water in the Price River and the unlikely occurence/detection of flow impacts to the stream due to the nature of plant activities and, 2) the applicant's operation plan does not include the discharge of water to the treatment impoundments on the Eastern portion of the permit. The applicant must continue to collect quality measurements from both stations.

The proposal is approvable as submitted. The applicant should be aware that if the operational plan changes in the future to include use of the slurry ponds, the plan must be revised to include the measurement of flow at both stations. The format is not in a form for direct insertion to the existing MRP. However, the change is logical for the forthcoming permit renewal.

cc: Harold Sandbeck
BT6005/167

State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

September 19, 1989

Mr. Phillip Gray
Genwal Coal Company
P.O. Box 1201
Huntington, Utah 84528-1201

Dear Mr. Gray

RE: Modification of Water Monitoring Plan, Genwal Coal Company, Wellington Preparation Plant, ACT/007/012-89B, Folders #3 & #7

Please find enclosed approval for your September 5, 1989 request to modify the water monitoring schedule at the Wellington Preparation Plant. The approval is effective September 19, 1989.

If you have any questions concerning this amendment approval, please feel free to contact myself or Rick Summers of my staff.

Sincerely,

Susan C. Linner
Reclamation Biologist/
Permit Supervisor

Enclosure
cc: Harold Sandbeck
Rick Summers

Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

September 19, 1989

TO: Sue Linner, Permit Supervisor

FROM: Rick P. Summers, Reclamation Hydrologist RPS

RE: Modification of Water Monitoring Plan, Amendment Number ACT/007/012-89B, Received September 7, 1989, Genwal Coal Company, Wellington Preparation Plant, ACT/007/012, Folders #2 & #8

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cc: Harold Sandbeck
BT6005/167

Mine file 3

COAL SYSTEMS, INC.

RECEIVED
SEP 11 1989
DIVISION OF OIL, GAS & MINING

September 8, 1989

Mr. Rick Summers
Reclamation Hydrologist
DIVISION OF OIL, GAS, & MINING
355 West North Temple
3 Triad Center, #350
Salt Lake City, Ut. 84180-1203

Re: Water Discharge From Car Dump/Wellington
ACT/007/012-88A

Dear Mr. Summers:

In confirmation of our discussion yesterday, Genwal Coal Company desires to pump the water out of the Wellington car dump in order to inspect the currently submerged equipment. It was requested that the three auxiliary ponds be used for storage of the water and you agreed that the ponds could be used for this purpose. However, you requested that a recent analysis of the water for PCB's be forwarded for your files. This analysis is attached and you will note that the PCB level is nil.

We have applied for an NPDES Permit for a point discharge from the heat-drier pond and have requested a quick review and approval of this permit application. This approval is expected by September 15.

Water pumping will probably start around September 13 in anticipation of the discharge permit approval; however, no discharge from the pumped water will occur until the NPDES Permit is obtained.

Sincerely,

COAL SYSTEMS, Inc.

E. G. Manwaring, Jr., P.E.
President

EGM/bim

Attachment

cc: Lindi Manzanares, Genwal/Wellington
Dennis Schwebr, Nevada Power Co.

Mine file #8
ACT/007/012

COAL SYSTEMS, Inc.

CONSULTANTS/ENGINEERS

L. G. MANWARING, P.E.
President

P.O. BOX 17117
SALT LAKE CITY, UTAH 84117

Area Code 801
261-4500

September 8, 1989

Mr. Rick Summers
Reclamation Hydrologist
DIVISION OF OIL, GAS, & MINING
355 West North Temple
3 Triad Center, #350
Salt Lake City, Ut. 84180-1203

Re: Water Discharge From Car Dump/Wellington
ACT/007/012-89A

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We have applied for an NPDES Permit for a point discharge from the heat-drier pond and have requested a quick review and approval of this permit application. This approval is expected by September 15.

Water pumping will probably start around September 13 in anticipation of the discharge permit approval; however, no discharge from the ponds will be allowed until the NPDES Permit is obtained.

Sincerely,

COAL SYSTEMS, Inc.

L. G. Manwaring, Jr., P.E.
President

LGM/blm

Attachment

cc: Candi Manzanares, Genwal/Wellington
Dennis Schwehr, Nevada Power Co.

ANALYTICAL REPORT

MOUNTAIN STATES ANALYTICAL

Client: Horizon Labs
583 E. Main Street
Price, UT 84501-

Attn: Victor Jarrett
Project:

Lab No.: 8205
Group No.: 1212
Date Sampled: 08/19/89
Time Sampled: 1215
Date Received: 08/21/89
Date Reported: 08/22/89
Discard Date: 10/05/89

SAMPLE ID: BASEMENT AT WELLINGTON

ANALYSIS: Polychlorinated Biphenyl Contamination in Water

COMPOUNDS	Result, as Rec'd		
PCB Aroclor 1016	<	1	ug/l
PCB Aroclor 1211	<	1	ug/l
PCB Aroclor 1232	<	1	ug/l
PCB Aroclor 1242	<	1	ug/l
PCB Aroclor 1248	<	1	ug/l
PCB Aroclor 1254	<	1	ug/l
PCB Aroclor 1260	<	1	ug/l

Respectfully submitted:

William O. Roellmer, Ph.D.

20.0
1

1645 West 2200 South, Salt Lake City, Utah 84119 (801) 973-0050

Misc file V23
cc: Coal Data S. Linn

KAISER COAL

KAISER COAL CORPORATION
OF YORK CANYON
P. O. BOX 1107
RATON, NEW MEXICO 87740
(505) 445-5531

June 9, 1989

Lowell Braxton
Department of Natural Resources
Division of Oil, Gas and Mining
3 Triad Center
Suite 350
Salt Lake City, Utah 84180-1203

Dear Lowell:

Re: First Quarter Hydrologic Report for Horse Canyon Mine Act 007/013 and Wellington Prep. Plant Act 007/012.

Please find enclosed the First Quarter Hydrologic Report for the Horse Canyon Mine and the Wellington Prep. Plant.

If you have any questions please feel free to contact myself or Mr. John Palfy at York Canyon Mine Site in Raton New Mexico.

Sincerely Yours,

Karl R. Houskeeper

Karl R. Houskeeper

cc: John Palfy

Enclosure(s)

KAISER COAL

KAISER COAL CORPORATION
OF YORK CANYON
P. O. BOX 1107
RATON, NEW MEXICO 87740
(505) 445-5536

July 8, 1989

Mr. Harold Sandbeck
State of Utah Natural Resources
Oil, Gas, & Mining
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Dear Harold:

Enclosed, for your records, are copies of the recent second quarter, 1989 pond inspections for the Wellington Preparation Plant.

Very truly yours,

John M. Palfy
Agent-Kaiser Coal
Corporation

Mine file 007-012 #7
cc (cover letter) S. Linnan

KAISER COAL

KAISER COAL CORPORATION
Sunnyside Coal Mines
P.O. Box 10
Sunnyside, Utah 84539
Telephone (801) 888-4421

January 30, 1989

Mr. Lowell Braxton
Department of Natural Resources
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Dear Mr. Braxton:

Re: 2nd, 3rd, & 4th Quarter Hydrologic Monitoring Reports
Wellington Preparation Plant, Permit ACT/007/012

Enclosed are the 2nd, 3rd, and 4th quarter hydrologic monitoring reports for Wellington.

Please feel free to call if you have any questions.

Sincerely,

Karl R. Houskeeper
for

W. P. Balaz, P.E.
Manager of Administration

WPB:th

Enclosures

A hydrologic monitoring plan was implemented at the Wellington Prep. Plant by U. S. Steel. The plant is located east of Wellington, Utah, at the end of Railroad Avenue. The monitoring program includes the following stations:

Surface Stations	9
Groundwater Wells	14

The sampling frequency is based on DOGM guidelines. With the temporary cessation of operations, sampling frequency is quarterly for the ground water wells; and the surface water is monitored for high and low flow. Analyses are performed for baseline parameters in all points. The results for the monitoring are shown from January through December, 1988, on the attached data tables. A discussion of methodology and results follows:

Methodology

The field measurements are made as follows:

Parameter	Instruments
Ph	VWR Scientic Inc. pH Meter Models
Conductivity	LaMotte Chemical Co. Conductivity Meter, Model DA-DS
Dissolved Oxygen	Chemtrix Dissolved Oxygen Meter, Type 30
Flow	Swoffer Instruments, Model 2100 Current Velocity Meters

Flow measurements are also made by timing the filling of a vessel of known volume or by measuring a channel cross section and timing a floating object for a known distance.

Analyses for the other parameters are performed by a qualified laboratory.

Results

The analysis results have been graphed by group; i.e., NPDES discharge points, ephemeral streams, perennial streams, springs/seeps, groundwater wells, and underground stations. Parameters graphed are flow, pH, conductivity, hardness, total iron, and TDS. These were chosen as being representative of overall water quality.

Surface stations sampled were SW-1, SW-2, SW-4, SW-7, and SW-8. All other surface stations had no flow.

The groundwater stations sampled were GW-1, GW-2, GW-3, GW-4, GW-6, GW-7, GW-8, GW-9, GW-10, GW-11, GW-12, GW-13, and GW-14.

Updates: RPS 1/88

DATA SUMMARY - Wellington Prep. Ground water sites

GW #	11-29-84	2-28-85	5-28-85	8-30-85	11-22-85	2-26-86	5-13-86	8-29-86	12-11-86 +/-	5-30-87	8-31-87
1	+	✓	+	✓	+	✓	✓	✓			0
2	+	+	+	+	+	✓	✓	✓			0
3	+	+	+	+	+	✓	✓	✓			0
4	+	+	+	+	⊗	✓	✓	✓			0
5	+	+	+	+	+	✓	✓	⊗			⊗
6	+	+	+	+	+	✓	✓	✓			0
7	+	+	+	+	+	✓	✓	✓			0
8	+	+	+	+	+	✓	✓	✓			0
9	+	+	+	+	+	✓	✓	✓			0
10	+	+	+	+	+	✓	✓	✓			0
11	+	+	+	+	+	✓	✓	✓			0
12	+	+	+	+	+	✓	✓	✓			0
13	+	+	+	+	+	✓	✓	✓			0
14	+	+	+	+	+	✓	✓	✓			0

+ Temp. missing
0 field data missing
⊗ MISSING DATA - entire set

NOTES: DURING 11-84 thru 2-86:

1) Phosphate analyzed as Ortho for all sites with the addition of total phosphate for GW-1 thru GW-10 for the single sample date 11-29-84. 2/28/86 was ortho. 5-13-86 + 8-28-86 were total.

2) only indications for field pH were noted on 8/28/86 sample date for GW only - others appear to be lab measurements.

Updates RPS 88

NATIONAL 42-381 50 SHEETS 5 SQUARE
42-382 100 SHEETS 5 SQUARE
42-389 200 SHEETS 5 SQUARE

Data Summary - Wellington Prep - Surface Sites

SW #	1-14-93	4-23-93	8-17-93	11-14-93	1-13-94	3-14-94	5-11-94	7-27-94	9-21-94	11-27-94	1-29-95	3-19-95	5-29-95	7-31-95	9-26-95	11-22-95
1																
2	Initiate new monitoring program →															
3		No Reports														
4																
5																
6																
7																
8																
A	+	+	+	+	monitoring sites											
B	+	+	+	+	– Revised →											
D	+	+	+	+	A, B, D no longer used.											
BCW																(7)

+ flows missing
T° missing all sites
pH all lab results.
DO - missing all sites
Blank - missing data

Notes: Flows not applicable on SW-5, SW-6, SW-7, SW-8,
– should substitute pond depth.

STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

May 21, 1986

Mr. Douglas C. Pearce, Mine Engineer
Kaiser Coal Corporation
P.O. Box D
Sunnyside, Utah 84539

Dear Mr. Pearce:

Re: Wellington Preparation Plant, Request to Modify Water Monitoring Program, ACT/007/012, Carbon, County, Utah.

The Division has received and reviewed your request to modify the water monitoring program at the Wellington Preparation Plant (dated April 9, 1986). The Division is prepared to give partial approval for this request at this time. Approval is granted for the following:

1. Frequency of monitoring for SW-1 through SW-8 exclusive of SW-3 is modified to biannual (twice per year) with one sample to be taken at each the high flow and low flow periods.

2. The qualtiy parameter list for the above points will conform to the parameter list given for operational monitoring in the Division's Water Quality Monitoring Guidelines (enclosed for your reference).

Monitoring for the groundwater sites (GW-1 through GW-14) must continue on the currently approved (quarterly) schedule until the baseline data aquisition requirements are met. The parameter list for those points must conform to the baseline parameter list given in the Division's Water Quality Monitoring Guidelines.

A copy of the technical memo outlining the rationale for our decision is attached for your information. For operational monitoring points that will not be discharging during the cessation of operations, the applicant should simply note on the quarterly report that the current status of the point was no discharge.

The Division requests that the information noted in the recommendation section of the enclosed memo concerning SW-3 and BCW be clarified.

In order for Kaiser Coal to come into compliance with the recently adopted Water Quality Monitoring Guidelines, the following parameters must be added to the monitoring schedule: (1) oil and grease for applicable sites, (2) settable solids, (3) field temperature, (4) dissolved oxygen (except for groundwater sites), (5) and a cation-anion balance for each sample analysis. Flow measurements must also be taken for each sample.

When Kaiser Coal Corporation has completed the baseline data aquisition requirements for sites GW-1 through GW-14, the Division will be receptive to a modification to additionally reduce the monitoring requirements for those sites during the temporary cessation period.

Thank you for your time to keep the Division posted of the activities at the Wellington Preparation Plant. If you have any questions on this review, please contact myself or Rick Summers of my technical staff.

Sincerely,

L. P. Braxton

L. P. Braxton
Administrator
Mineral Resource Development
and Reclamation Program

RPS:crh
cc: D. Lof
S. Linner
D. Cline
6000R-27.

May 21, 1986

TO: Technical File

FROM: Rick P. Summers, Hydrologist RPS

RE: Kaiser Coal Corporation, Wellington Preparation Plant, ACT/007/012, Carbon County, Utah.

Summary:

Kaiser Coal Corporation submitted a request (dated April 9, 1985) to reduce the frequency of water monitoring at the Wellington Prep. Plant due to a temporay cessation of operations. A review of the data submitted to the Division indicated that this proposal is only partially approvable at this time. The data is summarized in the body of this memo. Essentially, a complete water monitoring program for the surface water sites (SW-1, SW-2, SW-4, SW-5, SW-7, and SW-8) was initiated in November of 1983. According to the Division's water quality guidelines, a two year period of baseline data must be collected (guidelines attached). The applicant has submitted two years of data which was collected quarterly for surface water points. Therefore, the Division is prepared to grant approval for a modified monitoring program to be implemented during the period of temporary cessation of operations for the surface water points SW-1 through SW-8 exclusive of SW-3.

Groundwater monitoring was intitiated in November of 1984 and to date, the only samples collected for 1984 include that single sample. Samples were collected quarterly for 1985 and the analysis results have been submitted to our office. The applicant has not met the baseline data aquisition requirements (two years) for groundwater sampling sites GW-1 through GW-14.

Additionally, while this review was conducted, it was noted that the required parameters that need to be sampled are deficient. These are outlined below.

Recommendations:

Respond to the applicant with a partial approval letter for the modification. The applicant must complete the baseline data aquisition requirements for the groundwater sites before any modifications to the monitoring program for those sites can be considered. Therefore, the applicant may reduce the monitoring requirements for points SW-1 through SW-8 exclusive of SW-3 to the following:

1. Sampling must be biannual (twice per year) with one sample each at high and low flow periods.

2. The sampling parameters must conform to the operation parameters of the Division Water Quality Guidelines (enclosed for applicant's reference).

Sampling for the groundwater sites GW-1 through GW-14 must continue on the current frequency (quarterly) until the baseline data requirements are met. The applicant must use the required parameter list for baseline data outlined in the Division's Water Quality Monitoring Guidelines.

No data for sampling point SW-3 has been submitted to date. The applicant should justify why no data has been collected at this site (i.e. Division approved modification to the monitoring plan). Additionally, the data set appears to be incomplete for sampling site BC-W. The applicant should clarify this situation.

The applicant must also be requested to implement the Division water quality monitoring guidelines. In addition to the current parameter list the applicant must add the following: (1) oil and grease for applicable sites, (2) settable solids, (3) field temperature, (4) dissolved oxygen (except for groundwater sites), (5) and a cation-anion balance for each sample analysis. Flow measurements must also be taken for each sample. To date, the applicant has taken 52 flows for the submitted 112 samples taken since January 1983.

cc: S. Linner
D. Lof
D. Cline
6000R-25,26,28 & 29

(Revised January 1986)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
355 West North Temple
3 Triad Center, Suite 350
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GUIDELINES FOR ESTABLISHMENT OF SURFACE AND GROUND WATER MONITORING PROGRAMS FOR COAL MINING AND RECLAMATION OPERATIONS

This guideline document provides suggestions to coal operators for compliance with Sections UMC 783.13, 783.15-.17, 817.41-.42, 817.52-.54, of the rules and regulations pursuant to the Coal Mining and Reclamation Operations Act of 1979, Chapter 10, Title 40, UCA.

The purpose of these guidelines is to provide direction in acquiring a data base to be used by the operator for determining the probable hydrologic consequences of proposed and existing mining and reclamation operations (UMC 784.14[c]). This information will allow the Division of Oil, Gas and Mining to assess the probable cumulative impacts of anticipated or existing mining operations on the hydrologic balance in the general area (UMC 786.19[c]). The determination and assessment will apply to the mine plan and adjacent area with respect to the hydrologic regime and include the quantity and quality of the water in the surface and ground water systems. Moreover, the assessment will help insure that a proper mining and reclamation plan is developed and adopted to minimize hydrologic impacts both on- and offsite. The Act and regulations require that hydrologic monitoring take place before, during and after mining and reclamation operations. The operator is responsible for minimizing the impact and/or disturbance to the prevailing hydrologic balance.

This document is intended to delineate and reference acceptable methodologies and procedures that may be used to collect, analyze and interpret hydrologic data as set forth in the requirements of the regulations. These methods are not considered mandatory but do represent the Division's best approximation of required information to address the regulations for most situations. These methods may be modified with the Division's approval to reflect the characteristics of a particular situation.

It is highly recommended that prior to initiating data acquisition (including exploration drilling) or monitoring programs, operators contact the Division to arrange a conference to develop a suitable approach for characterizing water resources and thereby cost effectively and expeditiously achieve regulatory compliance.

The Utah State Division of Oil, Gas and Mining reserves the right to alter these guidelines as field experience, research and practical demonstrations delineate a better understanding of hydrologic processes in Utah's coal mining regions.

I. Surface Water Hydrology

A. Identification of surface water systems.

1. Determine watershed basin characteristics (with map of a scale 1:24,000 or larger).

a. Delineate drainage basin boundaries and include watershed names.

b. Describe physical characteristics (topographic relief, slope, drainage patterns).

B. Baseline data to establish surface water conditions.

1. Compile existing flow and quality data on streams and reservoirs from state and federal agencies, private agencies, past and on-going mining operations, regulatory agencies, etc.

2. Inventory all streams, lakes, reservoirs and impoundments within permit area and adjacent and downstream areas which could potentially be affected by mining.

a. Stream information to be inventoried:

(1) location of primary channel and tributaries;

(2) historical and present seasonal variability of flows and water quality;

(3) categorization of stream (i.e., perennial, intermittent or ephemeral) based on above information;

(4) water usage, water rights and permission for sampling.

b. Lake, reservoir and impoundment information to be inventoried:

(1) location and relationship to local drainage;

(2) composition of material of impounding dam; length of crest and height of dam from upstream toe to top of crest;

(3) historical and present seasonal variability of water levels and water quality;

(4) water usage, water rights and permission for sampling.

3. Determine on-site erosion rates and sediment yields. Refer to B.5.c for acceptable methodology.

4. Selection of baseline monitoring sites:

B.4. (continued)

a. Sites shall include a combination of lake, reservoir, impoundment and stream locations.

b. The number of monitoring sites is dependent upon the:

(1) complexity of the surface water system;

(2) size of mine plan area.

c. In general for streams, samples should be taken upstream and downstream from affected areas.

All sites for measurement of stream flow need not be sampled for quality, but all quality samples should be accompanied by a flow measurement.

All quality samples should be accompanied by the current maximum water level measurement of reservoir or lake.

5. Data acquisition.

a. Stream flow measurement and analyses.

(1) Flow measurements can be made using a current meter, flume (portable or permanent), weir, stage recorder, or other applicable method as approved by the Division, giving a reliable flow estimate. Refer to Water Measurement Manual, U. S. Bureau of Reclamation 1974 for other accepted methods of flow determination.

(2) Water samples should be collected in accordance with: Methods for Collection and Analysis of Water Samples for Dissolved Minerals and Gases, National Handbook of Recommended Methods for Water Data Acquisition, 1977, and Methods for Chemical Analysis of Water and Wastes, EPA, March 1979.

(3) Ephemeral streams should be sampled by use of a crest gage (or similar device) and single stage sediment sampler.

(4) Stream sampling and analysis.

(A) Frequency and duration, refer to Table 2.

(B) Field measurements, refer to Table 1.

(C) Laboratory analyses, refer to Table 1.

B.5. (continued)

b. Lake, reservoir, impoundment measurement and analyses.

(1) Maximum lake level data should be collected by taking readings from a stadia staff installed in the lake itself.

(2) Water samples should be collected by use of a Kemmerer depth sampler, a similar weight- activated device or other device approved by the Division.

(3) Lake/reservoir sampling and analysis.

(A) Frequency and duration, refer to Table 2.

(B) Field measurements, refer to Table 1.

(C) Laboratory analyses, refer to Table 1. Other parameters determined to be specific to operational processes may be analyzed.

c. Soil loss and sediment yield analyses.

Onsite soil losses and sediment yields can be predicted using the Universal Soil Loss Equation (USLE), Modified Universal Soil Loss Equation (MUSLE), Pacific Southwest Interagency Committee (PSIAC), a sediment test plot or other applicable professionally practiced method(s) and models.

6. Predict or describe the consequences of mining and reclamation on the existing flow regime, including peak flows, low flows, water yield, chemical water quality, erosion and sediment and aquatic biota.

a. Submit a minimum of one year baseline data in the Permit Application Package (PAP) in accordance with Table 2.

b. Interpret baseline data to provide information in the PAP about the probable hydrologic consequences from mining of the quantity and quality of surface water.

C. Operational monitoring.

1. Construction monitoring.

a. Submit a monitoring plan which will demonstrate that on a weekly basis, total suspended solids and total settleable solids will not be excessive during construction activities.

b. Other water quality parameters may require analysis by the Division on a site-specific basis.

C. (continued)

2. Streams.

a. Select, with Division approval, representative stream sites for operational monitoring.

b. Monitor selected sites as described in Table 2.

c. Parameter selection and analysis frequency as described in Table 1 and Table 2, respectively.

3. Lakes, reservoirs and impoundments.

a. Select with Division approval representative lake locations for operational monitoring.

b. Continue measuring and sampling selected sites as described in Table 2.

c. Parameter selection and analysis frequency as described in Table 1 and Table 2, respectively.

4. Submit monitoring results quarterly, with an annual summary. The annual summary must analyze variance in flow characteristics and water quality and should include tables, graphs, hydrographs, etc.

D. Postmining monitoring--begins one year after cessation of earthmoving and site activity.

1. Identify representative stream and lake sites for measuring and sampling.

2. Continue monitoring representative sites as described in Table 2.

3. Parameter selection and analysis frequency as described in Table 1 and Table 2, respectively.

4. Submit monitoring data annually. Summarize and assess mining impacts and system recovery at the termination of the bonding period.

II. Ground Water Hydrology

A. Geology of the ground water system.

Describe the general geology for the mine plan and adjacent area down to and including the first aquifer below the lowest coal seam to be mined. Pertinent information may be derived from published literature. The description shall include:

1. Stratigraphic column(s) characteristic of the property.

A.1. (continued)

2. Cross-section(s) showing extent, thickness and continuity of all aquifers and confining layers.

3. Stratigraphy and geologic structure that may control or potentially affect aquifers.

   a. Depositional and/or erosional facies relationships.

   b. Intrusions.

   c. Faults, folds and joints.

   d. Regional and, if variable, local strike and dip.

4. Potential hydrologic boundaries (i.e., faults, incised drainages and other structural features) and:

   a. Recharge and discharge areas.

   b. Significant perched aquifers.

   c. Local and regional aquifer systems.

B. Baseline data to establish ground water conditions.

1. Inventory all ground water wells, springs and seeps, mine inflows and water usage and water rights within and adjacent to the permit area. Identify seasonal variability in water levels and/or flow and quality.

   a. Well information to be inventoried:

      (1) Location, total depth, diameter and owner(s) of well(s).

      (2) Well yield, water quality and local usage.

      (3) Casing depth, type of casing, perforated interval(s) and monitoring zone(s).

      (4) Elevation at well and static water level.

      (5) Past well problems, historic water level and water quality fluctuation records, and permission to utilize the well for monitoring purposes, if needed.

      (6) Formation name(s) and/or rock type(s) and lithologic properties of aquifer(s).

      (7) Geophysical and driller logs.

   b. Spring and seep information to be inventoried:

B.1. (continued)

(1) Location, elevation, geologic occurrence and formation or rock type governing discharge.

(2) Present and historic flow and water quality.

(3) Local usage and permission for spring sampling.

c. Sustained mine inflow (e.g., wall weeps, roof bolt drips) and discharge information to be inventoried:

(1) Location and geologic occurrence.

(2) Present and historic inflow, discharge and water quality.

2. Selection of baseline monitoring sites.

a. Sites shall include, but not be limited to, a combination of:

(1) Existing water wells (as determined from inventory in B.1. above);

(2) Surface and subsurface boreholes drilled explicitly for ground water monitoring;

(3) Properly developed, cased and completed exploration boreholes;

(4) A representative number of springs as approved by the Division; and

(5) Mine inflows and/or discharges at representative sites within the mine.

b. Location, distribution and number of monitoring sites shall delineate gradients and directions of ground water flow. The number and density of monitoring points must reflect site-specific conditions.

(1) Monitoring sites should be located up- and down-gradient in the mine plan and adjacent area.

(2) For water quality monitoring, emphasis should be placed on sites down-gradient from the mine plan area. This does not eliminate the need for up-gradient quality monitoring.

(3) The number of monitoring sites is dependent upon the:

(A) Complexity and continuity of aquifer systems above and below the coal to be mined.

B.2. (continued)

(B) Size of the mine plan area.

(C) Results of findings from observation wells drilled for quality and water level monitoring, unless:

i. Sufficiently detailed site-specific ground water information is available.

ii. Appropriate wells exist within and adjacent to the mine plan area that can be used for ground water monitoring.

3. Data acquisition.

a. Well testing and analyses.

The following pumping tests and water level data should be used to determine transmissivity, hydraulic conductivity, specific capacity, storage coefficients and other aquifer properties such as homogeniety, isotropy, hydrologic boundaries, leakage, etc.

If sufficient site-specific data exist for the permit and adjacent area, then the need for further borehole testing may be waived by the Division.

(1) Multiple well pumping tests.

Constant discharge pump tests with observation wells and/or piezometers to monitor effective drawdown and recovery rates are recommended.

(2) Single hole tests.

Single hole tests should not be utilized if precise control over the variables and measurements cannot be maintained in the field.

(A) Pump test;

(B) Slug test;

(C) Bailer test;

(D) Open-hole test;

(E) Packer test;

(F) or, any other appropriate single hole pumping tests.

(3) Well sampling and analyses.

B.3. (continued)

(A) Frequency and duration, refer to Table 4.

(B) Field measurements, refer to Table 3.

(C) Laboratory analyses, refer to Table 3.

b. Spring sampling and analyses.

(1) Frequency and duration, refer to Table 4.

(2) Field measurements, refer to Table 3.

(3) Laboratory analyses, refer to Table 3.

c. Mine inflow and/or discharge sampling and analyses.

(1) Frequency and duration, refer to Table 4.

(2) Field measurements, refer to Table 3.

(3) Laboratory analyses, refer to Table 3. Other parameters determined to be specific to operational processes may be analyzed.

4. Characterize ground water occurrence, quality and movement for the permit and adjacent area.

a. Submit a minimum of one year baseline data in the Permit Application Package (PAP) in accordance with Table 4.

b. Interpret baseline data to provide information in the PAP about the probable hydrologic consequences of mining on ground water occurrence, quality and movement.

C. Operational monitoring.

1. Springs and wells.

a. Select, with Division approval, representative springs and wells for operational monitoring.

b. Continue measuring and sampling selected springs and wells as described in Table 4.

b. Parameter selection and analysis frequency as described in Table 3 and Table 4, respectively.

2. Mine inflow and discharge monitoring.

C.2. (continued)

a. Quarterly inflow inventory in the working portion of mine; identify inflow location and geologic occurrence.

b. Select, with Division approval, representative sustained mine inflows for monitoring.

c. Frequency of inflow sampling and measurement as described in Table 4.

d. Laboratory and field inflow analyses as described in Table 3.

e. Collect quarterly discharge volume data.

3. Submit monitoring data and summarize quantity, quality and sources of water encountered in the annual hydrologic report. Include an analysis of the mine workings water balance by accounting for mine inflows, discharge, outflows, evaporation losses and sump storage.

D. Postmining monitoring.

1. Identify representative wells and springs for measuring and sampling.

2. Continue monitoring representative wells and springs as described in Table 4.

3. Parameter selection and analysis frequency as described in Table 3 and Table 4, respectively.

4. Submit monitoring data annually. Summarize and assess mining impacts and system recovery at the termination of the bonding period.

TABLE 1

SURFACE WATER BASELINE, OPERATIONAL AND
POSTMINING WATER QUALITY PARAMETER LIST

Field Measurements:

*	-	Water Levels or Flow
*	-	pH
*	-	Specific Conductivity (umhos/cm)
*	-	Temperature (C^o)
*	-	Dissolved Oxygen (ppm) (perennial streams only)

Laboratory Measurements: (mg/l) (Major, minor ions and trace elements are to be analyzed in total and dissolved forms.)

#	*	-	Total Settleable Solids
#	*	-	Total Suspended Solids
	*	-	Total Dissolved Solids
	*	-	Total Hardness (as $CaCO_3$)
	*		Acidity ($CaCO_3$)
		-	Aluminum (Al)
		-	Arsenic (As)
		-	Barium (Ba)
		-	Boron (B)
	*	-	Carbonate (CO_3^{-2})
	*	-	Bicarbonate (HCO_3^-)
		-	Cadmium (Cd)
	*	-	Calcium (Ca)
	*	-	Chloride (Cl^-)
		-	Chromium (Cr)
		-	Copper (Cu)
		-	Fluoride (F^-)
	*	-	Iron (Fe)
		-	Lead (Pb)
	*	-	Magnesium (Mg)
	*	-	Total Manganese (Mn)
		-	Mercury (Hg)
		-	Molybdenum (Mo)
		-	Nickel (Ni)
		-	Nitrogen: Ammonia (NH_3)
		-	Nitrite (NO_2)
		-	Nitrate (NO_3^-)
	*	-	Potassium (K)
		-	Phosphate (PO_4^{-3})
		-	Selenium (Se)
	*	-	Sodium (Na)
	*	-	Sulfate (SO_4^{-2})
		-	Sulfide (S^-)
		-	Zinc (Zn)
	*	-	Oil and Grease
	*	-	Cation-Anion Balance

Sampling Period:

-Baseline

*Operational, Postmining

#Construction

TABLE 2 SURFACE WATER SAMPLING

	Baseline	Operational	Postmining
Type of Sampling Site	Surface Water Bodies	Surface Water Bodies	Surface Water Bodies
Field Measurements (see Table 1)	Performed during water level/flow measurements.	Performed during water level/flow measurements.	Performed during water level/flow measurements.
Sample Frequency	Quarterly for lakes, reservoirs and impoundments (water level and quality); monthly flow measurements and quarterly water quality measurements (one sample at low flow and high flow each) for perennial streams. Monthly flow and water quality measurements during period of flow for intermittent streams. Sampling for ephemeral streams determined at pre-design conference.	Quarterly for lakes, reservoirs and impoundments (water level and quality); monthly flow measurements and quarterly water quality measurements (one sample at low flow and high flow each) for perennial streams. Monthly flow and water quality measurements during period of flow for intermittent streams. Sampling for ephemeral streams determined at pre-design conference.	Two per annum for perennial streams (high & low flow); two per annum during snowmelt and rainfall for intermittent streams.
Sampling Duration	Two years (one complete year of data before submission of PAP.	Every year until two years after surface reclamation activities have ceased.	Every year until termination of bonding.
Type of Data Collected and Reported	Flow and/or water levels and water quality.	Flow and/or water levels and water quality.	Flow and/or water levels and water quality per operational parameters.
Comments	All field measurements should be performed concurrently with water level/flow measurements.	All field measurements should be performed concurrently with water level/flow measurements.	All field measurements should be performed concurrently with water level/flow measurements

TABLE 2 (continued)

	Baseline	Operational	Postmining
Comments		For every fifth year preceding repermitting, one sample at low flow and high flow each should be taken for baseline water quality parameters. The construction monitoring program will be conducted on a site-specific basis in addition to the operational monitoring.	

TABLE 3

GROUND WATER BASELINE, OPERATIONAL AND
POSTMINING WATER QUALITY PARAMETER LIST

Field Measurements:

* - Water Levels or Flow
* - pH
* - Specific Conductivity (umhos/cm)
* - Temperature (C^{o})

Laboratory Measurements: (mg/l) (Major, minor ions and trace elements are to be analyzed in dissolved form only.)

* - Total Dissolved Solids
* - Total Hardness (as $CaCO_3$)
- Aluminum (Al)
- Arsenic (As)
- Barium (Ba)
- Boron (B)
* - Carbonate (CO_3^{-2})
* - Bicarbonate (HCO_3^{-})
- Cadmium (Cd)
* - Calcium (Ca)
* - Chloride (CL^{-})
- Chromium (Cr)
- Copper (Cu)
- Fluoride (F^{-})
* - Iron (Fe)
- Lead (Pb)
* - Magnesium (Mg)
* - Manganese (Mn)
- Mercury (Hg)
- Molybdenum (Mo)
- Nickel (Ni)
- Nitrogen: Ammonia (NH_3)
- Nitrite (NO_2)
- Nitrate (NO_3^{-})
* - Potassium (K)
- Phosphate (PO_4^{-3})
- Selenium (Se)
* - Sodium (Na)
* - Sulfate (SO_4^{-2})
- Sulfide (S^{-})
- Zinc (Zn)

Sampling Period:

-Baseline
*Operational, Postmining

TABLE 4 GROUND WATER SAMPLING

	Baseline Monitoring	Operational Monitoring	Postmining Monitoring
Type of Sampling Site	Springs, In-Mine Flows, Boreholes, Observation Wells	Springs, In-Mine Flows, Boreholes, Observation Well	Springs, Observation Wells
Field Measurements (see Table 3)	Yes	Yes	Yes
Sampling Frequency Each Site	At least four samples per annum, at fixed monthly intervals.	Quarterly samples for in-mine flows. For other sites, four samples per annum at fixed monthly intervals.	One sample per annum (spring sampling at low flow).
Sampling Duration	Two years (one complete year of data before submission of PAP).	Every year until two years after surface reclamation activities have ceased.	Every year until termination of bonding.
Type of Data Collected and Reported	Water levels and/or flow and water quality.	Water levels and/or flow. For springs, one water quality sample at low flow.	Water levels and/or flow and water quality per operational parameters.
Comments	First year of baseline monitoring and the year preceding repermitting; spring and seep inventory taken both during the Fall and Spring.	During the year preceding repermitting. For springs, one water quality sample at low flow per baseline parameters. For other sites, one sample per baseline parameter.	

Sue Linn

KAISER COAL

KAISER COAL CORPORATION
Sunnyside Coal Mines
P.O. Box D
Sunnyside, Utah 84539
Telephone (801) 888-4421

March 27, 1986

Mr. Lowell P. Braxton
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

RE: Wellington Preperation Plant
Annual Report for 1985
ACT/007/012

Dear Mr. Braxton

Please find enclosed the annual report for the Wellington Preperation Plant requested in your letter of December 23, 1985. An updated mine sequence map and subsidence monitoring data were not included as requested because these items pertain to mine permits and not to preperation plants. The certificate of insurance will be forwarded to the Division when it is received from our Colorado Springs office.

Sincerely,
Kaiser Coal Corporation

Douglas C Pearce
Mine Engineer

PRECIPITATION AND TEMPERATURE DATA

Precipitation and temperature data are presented in this section through November for 1985. None of these data were collected on the Wellington Coal Cleaning Plant but, rather, are part of the NOAA, Cooperative Data Weather Collection Program.

Precipitation data were obtained from the Wellington Station. Temperature data were obtained from the Price Warehouses Station as the Wellington Station collects only precipitation data. Elevation at the Wellington Station is 5,400 feet; elevation at the Price Station is 5,700 feet.

WELLINGTON PRECIPITATION

J	F	M	A	M	J	J	A	S	O	N	D	T
.33	.04	.73	1.07	1.14	.39	1.59	0.00	2.25	.39	1.30	.40	9.63

PRICE TEMPERATURE

	J	F	M	A	M	J	J	A	S	O	N	D
Avg. Max.	35.8	37.1	51.0	66.5	73.9	86.7	90.2	89.6	73.4	63.9	43.3	41.0
Avg. Min.	11.5	14.1	26.9	37.5	44.5	55.5	59.9	55.7	44.3	36.2	22.5	17.0
Avg.	23.7	25.6	39.0	52.0	59.2	71.1	75.1	72.7	58.9	50.1	32.9	29.0

VEGETATION DATA

Vegetation data were collected only for the Surface Facilities revegetation test plot. These data were submitted to Lynn Kunzler, DOGM, February 11, 1986. Sampling of this research plot was conducted July 8-10, 1985. The three remaining revegetation test plots were constructed in the fall of 1985. The summer of 1986 will be the first season vegetation data will be collected on those plots.

Reclamation activities were conducted during the fall of 1985 on an area near the east side of the fine slurry ponds. Vegetation data will be collected for this area during the summer of 1986.

STIPULATION STATUS

Stipulation 817.22-(1)-TLP

1. The applicant shall justify, provide methods, reflect on the coal fines, etc., as to why OM is high and EC is so low. Samples shall be obtained and rerun since the validity of data presented in the applicant's response to the Draft TA is still in question. This shall be accomplished within 90 days of permit approval.

Status: Plan approved (see April 11, 1985, letter from L. P. Braxton).

Stipulation 817.22-(2)-TLP

2. Exhibit IIA must be amended within 90 days of permit approval to reflect the revised volume of substitute soil necessary to remedy the soil deficit. This figure is 38,000 cubic yards lower than it should be.

Status: Plan approved (see April 11, 1985, letter from L. P. Braxton).

Stipulations 817.24-(1)-TLP

1. Within 90 days of permit approval, the applicant must fully describe the mixing procedure including techniques and implements necessary to achieve uniform mixing of materials on a scale this large.

Status: Plan approved (see April 11, 1985, letter from L. P. Braxton).

Stipulations 817.48-(1)-DD

1. The applicant will be required to submit to the regulatory authority a chemical analysis of each individual coal seam that will be processed at the plant. The analysis(es) shall depict all acid- or toxic-forming constituents and be submitted on an annual basis, or at any other time required by the regulatory authority, if there is reason to believe the quality of coal has degraded sufficiently to cause acidic or toxic effects.

   Run of the mine coal from newly mined seams (also new coal mines) shall be sampled and the analyses submitted to the regulatory authority within 30 days of processing of the coal so that any acidic or toxic constituents can be identified.

Status: An anlysis was submitted April 18, 1985, to comply with this stipulation.

Stipulations UMC 817.52-(1)-DD

1. The applicant will be required to begin initiation of the proposed monitoring plan immediately upon approval of the mine plan and have the plan fully implemented within 120 days of permit approval.

Status: Plan was approved and is in effect (see April 11, 1985, letter from L. P. Braxton).

Stipulation 817.71-.74-(1)-DD

1. The applicant shall commit to submitting new designs for regulatory authority review and approval to satisfy regulations under UMC 817.71-.74 in the event toxic or acidic contamination occurs during future operations. These designs must be submitted within 90 days of discovery of contamination.

Status: This stipulation not required (see April 11, 1985, letter from L. P. Braxton).

Stipulation 817.99-(1)-SL

1. Within 30 days of receipt of Final Permit Approval from DOGM, the applicant must commit to notifying DOGM within 10 days of the occurrence of a slide which has potential for adverse effect on public property, health, safety, or the environment. The applicant must also commit to comply with remedial measures required by the regulatory authority to reduce or eliminate the potential adverse effect of such a slide.

Status: See April 11, 1985, letter from L. P. Braxton.

Stipulation 817.103-(1)-TLP

1. The success of test plots shall be evaluated at the time of permit renewal. At that time, information from test plots contained in annual monitoring reports, laboratory data, field evaluations, and any other measures necessary shall be weighed to determine the adequacy of the twelve (12) inch coarse slurry capillary barrier. At that time, the applicant shall submit a report to the regulatory authority providing interpretations of the available test plot information. This report shall be prepared by a qualified agent of the operator, and any conclusions or recommendations shall be subject to the concurrence of the regulatory authority. In the event that the operator feels that the study does not provide adequate basis to maintain the proposed depth of coarse slurry capillary barrier or to require an alternative depth of coarse slurry capillary barrier, he may request an extension of the study period. At the time of permit renewal or at the time of comletion of the approved extended study bonding for this portion of the reclamation plan shall be adjusted to reflect the costs associated with any necessary changes in the cover depth.

Status: See April 11, 1985, letter from L. P. Braxton; plots are installed with the exception of the irrigation system.

(December 1985)

COAL MINING AND RECLAMATION OPERATIONS FOR 1985
(Authority UMC 784)

(Must be submitted to the Division by March 31, 1986)

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
3 Triad Center, Suite 350
355 West North Temple
Salt Lake City, Utah 84180-1203
(801) 538-5340

Operator: Kaiser Coal Corporation
Mine Name: Wellington Preparation Plant
Mailing Address: P. O. Box 10, Sunnyside, Utah 84539
Company Representative: Charles W. McGlothlin, Jr.
Permit No.: ACT/007/012
Date of Permanent Program Permit: December 10, 1984
Quantity of Coal Mined (tonnage) 1985:

Attach Most Recent Certificate of Insurance.

Attach Updated Mine Sequence Map.

All monitoring activities during the report period must be submitted with this report: (including, but not limited to)

A. Water Monitoring Data

B. Precipitation Data

C. Subsidence Monitoring

D. Vegetation Data (test plots) or Revegetation Success Monitoring (includes interim and final)

E. Permit Stipulation Status

0488R

Mine File
J. Helfrich

U.S. Steel
Mining Co., Inc.
a Subsidiary of United States Steel Corporation

WESTERN DISTRICT

P.O. BOX AE
PAONIA, COLORADO 81428
303/527-4816

November 12, 1985

Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180

ATTN: Lloyd Braxton
Administrator
Mineral Resource Development and
Reclamation Program

ACT/007/012
#9

Dear Mr. Braxton:

U. S. Steel Mining Co., Inc. conducted quarterly inspections in January, April, July and October for ponds not meeting the criteria of 30 CFR 77.216(a). The banks of all ponds were stable and no substandard conditions were noted.

B. A. Filas
Registered Professional Engineer
No. 7007
State of Utah

BAF/kb

cc: V. R. Watts

REGISTERED PROFESSIONAL ENGINEER
No. 7007
BARBARA A. FILAS
STATE OF UTAH

File: ACT/007/012
#9,3

STATE OF UTAH
DEPARTMENT OF HEALTH

SCOTT M. MATHESON, GOVERNOR

MICHAEL J STAPLEY, M.P.A., ACTING EXECUTIVE DIRECTOR

RECEIVED
MAR 19 1985
DIVISION OF OIL GAS & MINING

Glenn H. Sides, General Superintendent
U.S. Steel Mining Co., Inc.
P.O. Box AE
Paonia, Colorado 881428

RE: Wellington Coal Cleaning Plant Containment Basin Revisions

Dear Mr. Sides:

On February 4, 1985 a request was received from U.S. Steel Mining Co., Inc. for revision of the construction permit issued by this office for the above referenced containment basin modifications.

The general information you provided was helpful in understanding the emergency nature of the containment basin. It is understood that discharge to the basin would be on an infrequent basis and only for cleaning of a plug in the line or for containing any spill should a break occur. Discharge from such a pond is governed by the Wastewater Disposal Regulations for the State of Utah and as such must comply with these standards. In the case of this containment pond the specific regulation that causes concern is in Part I paragraph 1.3.2(b) and is partially quoted below:

> The arithmetic mean of SS [suspended solids] values determined on effluent samples collected during any 30-day period shall not exceed 25 mg/l, nor shall the arithmetic mean exceed 35 mg/l during any 7-day period.

It is unclear from the information provided that the pond as designed will be able to comply with this requirement. The effectiveness of the rock and silt fence filter is not clearly demonstrated in the proposal. If this method was effective in reducing the effluent to below 25 mg/l what would be used to prevent plugging or provide for backwashing of the filter?

The type of information that would be acceptable to justify the current design would be:

1. Settling velocity experimentation and calculations demonstrating that 25 mg/l effluent quality can be achieved using maximum pipeline discharge as the pond influent quantity and standard settling velocity calculations based on particle dynamics specific to the Wellington Plant.

2. Monitoring data and assurance from U.S. Steel that the single discharge when cleaning the pipe is less than the storage capacity of the pond. Also, provisions for discharge of decanted water to the river between line cleanouts.

3. Other information demonstrating acceptable effluent standards can be achieved.

In addition to meeting the State Regulations the discharge must also conform to the Colorado River Basin Salinity Control Forum standards. These standards require that the total disolved solids loading must be less than one ton per day. This appears to be met but sample calculations should justify this conclusion.

The alternative to the calculations required above would be total containment of all process water discharged as per the permit issued.

If I be of any further assistance please contact me at 533-6146.

Sincerely,

Leland J. Myers

Leland Myers, P.E.
Environmental Engineer
Bureau of Water Pollution Control

jg

cc: Southeastern District Health Department
Oil, Gas and Mining - D. Wayne Hedberg
2173-5

WESTERN DISTRICT

U.S. Steel
Mining Co., Inc.
a Subsidiary of United States Steel Corporation

P.O. BOX AE
PAONIA, COLORADO 81428
303/527-4816

October 30, 1984

Dianne Nielson, Director
State of Utah
Division of Oil, Gas and Mining
4241 State Office Building
Salt Lake City, UT 84114

Re: Hydrologic Monitoring
Wellington Coal Cleaning Plant
ACT/007/012

#9

Dear Ms. Nielson:

The updated hydrologic monitoring results for the Wellington Coal Cleaning Plant are attached. Future reports will be forwarded to the Division at the frequency specified in the permanent program permit. Flows are as follows:

SW-1, SW-2	500 cfs
SW-4	500 gpm

Sincerely,

V.R. Watts
District Environmental &
Appropriation Engineer

VRW:fs
cc: F.A. Filas
EC File

RECEIVED
NOV 0 1 1984
DIVISION OF OIL
GAS & MINING

orig letter & reports → S. Kenner
cc letter → file

ACT/007/012
#9

U.S. Steel
Mining Co., Inc.
a Subsidiary of United States Steel Corporation

WESTERN DISTRICT

P.O. BOX AE
PAONIA, COLORADO 81428
303/527-4816

October 30, 1984

Dianne Nielson, Director
State of Utah
Division of Oil, Gas and Mining
4241 State Office Building
Salt Lake City, UT 84114

Re: Hydrologic Monitoring
Wellington Coal Cleaning Plant
ACT/007/012

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Sincerely,

V R Watts

V.R. Watts
District Environmental &
Appropriation Engineer

VRW:fs
cc: F.A. Filas
EC File

orig letter & reports → S. Kenner
cc letter → file
Mine file

RECEIVED
NOV 0 1 1984
DIVISION OF OIL
GAS & MINING

ACT/007/012
#9

U.S. Steel
Mining Co., Inc.
a Subsidiary of United States Steel Corporation

WESTERN DISTRICT

P.O. BOX AE
PAONIA, COLORADO 81428
303/527-4816

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Dianne Nielson, Director
State of Utah
Division of Oil, Gas and Mining
4241 State Office Building
Salt Lake City, UT 84114

Re: Hydrologic Monitoring
Wellington Coal Cleaning Plant
ACT/007/012

Dear Ms. Nielson:

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SW-4	500 gpm

Sincerely,

V R Watts

V.R. Watts
District Environmental &
Appropriation Engineer

VRW:fs
cc: F.A. Filas
EC File

orig letter & reports → S. Kenner
cc letter → file
Mine file

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NOV 0 1 1984
DIVISION OF OIL
GAS & MINING

ACT/007/012
#9

RECEIVED
SEP 20 1984
DIVISION OF OIL
GAS & MINING

U.S. Steel
Mining Co., Inc.
a Subsidiary of United States Steel Corporation

WESTERN DISTRICT

P.O. BOX AE
PAONIA, COLORADO 81428
303/527-4816

Wayne

September 18, 1984

JIM

SEP 20 1984

James W. Smith, Jr.
Coordinator of Mined Land Development
Division of Oil, Gas & Mining
4241 State Office Building
Salt Lake City, UT 84114

Re: Hydrologic Monitoring
Wellington Coal Cleaning Plant
ACT/007/012

Dear Mr. Smith:

Enclosed please find the July water monitoring data for the Wellington Coal Cleaning Plant. Flows are as follows:

SW-1, SW-2	500 cfs
SW-4	500 gpm

Sincerely,

VR Watts

District Environmental &
Appropriation Engineer

VRW:fs

Wayne

U.S. Steel
Mining Co., Inc.
a Subsidiary of United States Steel Corporation

WESTERN DISTRICT

P.O. BOX AE
PAONIA, COLORADO 81428
303/527-4816

July 25, 1984

JIM

JUL 30 19

RECEIVED

JUL 27 1984

DIVISION OF OIL
GAS & MINING

James W. Smith, Jr.
Coordinator of Mined Land Development
Division of Oil, Gas, and Mining
4241 State Office Building
Salt Lake City, UT 84114

Re: Hydrologic Monitoring
Wellington Coal Cleaning Plant
ACT/007/012

Dear Mr. Smith:

Enclosed please find the current water monitoring results for the Wellington Coal Cleaning Plant. Flows are as follows:

Price River*	500 cfw
SW-4	50 gpm

*SW-1, SW-2

Sincerely,

V. R. Watts
District Environmental
and Appropriation Engineer

md

Enclosure

cc: B. A. Filas
EC File (w/o enc.)

Wayne

U.S. Steel
Mining Co., Inc.
a Subsidiary of United States Steel Corporation

WESTERN DISTRICT

P.O. BOX AE
PAONIA, COLORADO 81428
303/527-4816

JIM

July 25, 1984

JUL 30 19

RECEIVED

JUL 27 1984

DIVISION OF OIL
GAS & MINING

James W. Smith, Jr.
Coordinator of Mined Land Development
Division of Oil, Gas, and Mining
4241 State Office Building
Salt Lake City, UT 84114

Re: Hydrologic Monitoring
Wellington Coal Cleaning Plant
ACT/007/012

Dear Mr. Smith:

Enclosed please find the current water monitoring results for the Wellington Coal Cleaning Plant. Flows are as follows:

Price River*	500 cfw
SW-4	50 gpm

*SW-1, SW-2

Sincerely,

V R Watts

V. R. Watts
District Environmental
and Appropriation Engineer

md

Enclosure

cc: B. A. Filas
EC File (w/o enc.)

Wayne

U.S. Steel
Mining Co., Inc.
a Subsidiary of United States Steel Corporation

WESTERN DISTRICT

P.O. BOX AE
PAONIA, COLORADO 81428
303/527-4816

May 31, 1984

James W. Smith, Jr.
Coordinator of Mined Land Development
4241 State Office Building
Salt Lake City, UT 84114

Re: Hydrologic Monitoring
Wellington Coal Cleaning Plant
ACT/007/012

Dear Mr. Smith:

Please find the updated hydrologic monitoring results for the Wellington Coal Cleaning Plant attached for your information. Flows were as follows:

Station	Flow
SW-1	300 cfs
SW-2	300 cfs
SW-3	25 gpm
SW-4	0

The samples were collected on March 14, 1984.

Sincerely,

V R Watts

V. R. Watts
District Environmental
and Appropriation Engineer

md

Attachment

cc: EC File
B. A. Filas

Wayne

WESTERN DISTRICT

U.S. Steel
Mining Co., Inc.
a Subsidiary of United States Steel Corporation

P.O. BOX AE
PAONIA, COLORADO 81428
303/527-4816

May 31, 1984

James W. Smith, Jr.
Coordinator of Mined Land Development
4241 State Office Building
Salt Lake City, UT 84114

Re: Hydrologic Monitoring
Wellington Coal Cleaning Plant
ACT/007/012

Dear Mr. Smith:

Please find the updated hydrologic monitoring results for the Wellington Coal Cleaning Plant attached for your information. Flows were as follows:

Station	Flow
SW-1	300 cfs
SW-2	300 cfs
SW-3	25 gpm
SW-4	0

The samples were collected on March 14, 1984.

Sincerely,

V R Watts

V. R. Watts
District Environmental
and Appropriation Engineer

md

Attachment

cc: EC File
B. A. Filas

To Sue
Fik ACT/007/012
007/013
Folder #9

WESTERN DISTRICT

U. S. Steel Mining Co., Inc.
a Subsidiary of United States Steel Corporation

P.O. BOX AE
PAONIA, COLORADO 81428
303/527-4816

JIM
MAR 14 1984

March 6, 1984

RECEIVED
MAR 12 1984
DIVISION OF
OIL, GAS & MINING

James W. Smith, Jr.
Coordinator of Mined Land Development
4241 State Office Building
Salt Lake City Ut. 84114

Dear Mr. Smith:

Re: Hydrologic Monitoring
Wellington Coal Cleaning Plant
ACT/007/012
Geneva Mine
ACT/007/013

Please find the updated hydrologic monitoring results for the Wellington Coal Cleaning Plant and Geneva Mine.

Sincerely,

Glenn H. Sides
Acting General Superintendent

cc: EC File
161.4
163.1
B.A. Filas

WESTERN DISTRICT

U.S. Steel
Mining Co., Inc.
a Subsidiary of United States Steel Corporation

P. O. BOX 807
EAST CARBON, UTAH 84520
801 / 888-4431

November 21, 1983

State of Utah
Division of Oil, Gas & Mining
4241 State Office Building
Salt Lake City, Utah 84114

Attn: Wayne Hedberg

Re: Wellington Coal Preparation
Plant ACT/007/012

Dear Mr. Hedberg:

Updated hydrologic monitoring data is attached for your information.

Sincerely,

G. H. Sides
Chief Engineer

GHS:VRW:cs

Enc.

cc: V. R. Watts

U. S. Steel
Mining Co., Inc.
a Subsidiary of United States Steel Corporation

WESTERN DISTRICT

P. O. BOX 807
EAST CARBON, UTAH 84520
801 / 888-4431

November 21, 1983

State of Utah
Division of Oil, Gas & Mining
4241 State Office Building
Salt Lake City, Utah 84114

Attn: Wayne Hedberg

Re: Wellington Coal Preparation
Plant ACT/007/012

Dear Mr. Hedberg:

Updated hydrologic monitoring data is attached for your information.

Sincerely,

G. H. Sides
Chief Engineer

GHS:VRW:cs

Enc.

cc: V. R. Watts

STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

1241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

November 22, 1982

Mr. R.E. Yourston
U.S. Steel Mining Co., Inc.
Western District
P.O. Box 807
East Carbon, Utah 84520

#9

RE: Water Monitoring at
Geneva Mine and Wellington
Coal Cleaning Plant
ACT/007/012
~~ACT/007/013~~
Carbon County, Utah

Dear Mr. Yourston:

The Division has received your correspondence of November 3, 1982 regarding water monitoring at the Geneva Mine and the Wellington Coal Cleaning Plant. Cessation of surface water monitoring at both the mine and the coal cleaning plant is not warranted at this time. Pursuant to UMC 817.52 the Division has established guidelines for establishment of surface and ground water monitoring programs. A copy of these guidelines is enclosed with this letter. Please note that these guidelines separate the monitoring requirements into three phases: (1) Baseline data collection, (2) Operational monitoring and (3) Postmining monitoring.

In the opinion of the Division, sufficient baseline monitoring data has been collected at the Wellington Coal Cleaning Plant monitoring points, allowing U.S. Steel to begin sampling the Price River under operational status. One notable deficiency in the data submitted for station A, B and D is the lack of flow measurements at the time of water quality sampling. A measurement of streamflow at the time of water quality sampling at these points is requested for all future monitoring. The U.S. Geological Survey maintains a streamflow gauge on the Price River below its confluence with Miller Creek (station number 09314250). Discharge records from this gauge could serve as streamflow estimates for the Price River at U.S. Steel's Wellington facilities.

Although U.S. Steel Mining has notified the Division of the temporary cessation of operations at the Geneva Mine, continued monitoring of surface water quality and quantity is required (UMC 817.52, UMC 817. 131). Again, referencing the enclosed guidelines document, the Division recommends monitoring of surface water stations B-1, HC-1, RF-1 and RS-2 under the schedule suggested for postmining monitoring.

Underground monitoring at the Geneva Mine will not be required during the temporary cessation. However, prior to restoration of mining activities at the Geneva Mine, underground monitoring should be reinstated. Monitoring at locations 2LN-K, 12N-M, 2 Dip, 1E-B, 1W-B, Main Slope, 2W-B could be reinstated at the operational monitoring status. Also, surface water monitoring at the Geneva Mine should be undertaken at the oeprational level upon mine reactivation.

Please contact me if you have any questions.

Sincerely,

Joe Lyons

JOE LYONS
RECLAMATION HYDROLOGIST

JL/mn

Enclosure

cc: OSM, Denver - Mel Schilling
OSM, Albuquerque - Tom Ehmett
Bureau of Water Pollution Control
Joe Helfrich, OGM
Wayne Hedberg, OGM
Ken Wyatt, OGM
Jim Smith, OGM

U.S. Steel
Mining Co., Inc.
a Subsidiary of United States Steel Corporation

WESTERN DISTRICT

P. O. BOX 807
EAST CARBON, UTAH 84520
801 / 888-4431

November 3, 1982

#9

Mr. James W. Smith
Division of Oil, Gas and Mining
4241 State Office Building
Salt Lake City, Utah 84114

Attn: D. Wayne Hedberg

Re: Water Monitoring
Wellington Coal Cleaning Plant
ACT/007/012

Dear Mr. Smith:

Enclosed is all water quality data collected to date at Wellington Coal Cleaning Plant. The attached sheets include approximately two years of monitoring data in addition to that submitted in the Wellington Coal Cleaning Plant Operation and Reclamation Plan. The water quality data collected to date appears adequate for permitting.

This letter is to notify you that, unless the Division advises the Operator of a reason to continue, all surface water monitoring at the Wellington Coal Cleaning Plant is being discontinued as of November 1, 1982.

The following is a list of the sampling locations which will be discontinued:

Surface Water Monitoring

A
B
D

Sincerely,

R. E. Yourston
General Superintendent

Enc.
cc: F. Boinsky
B. Gardner
B. Kirkwood
C. W. Winters
161.4
Environmental Contact File

SCOTT M. MATHESON
Governor

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

CLEON B. FEIGHT
Director

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

OIL, GAS, AND MINING BOARD

CHARLES R. HENDERSON
Chairman

JOHN L. BELL
C. RAY JUVELIN
THADIS W. BOX
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EDWARD T. BECK
E. STEELE McINTYRE

September 24, 1979

Mr. P.E. Watson
U.S. Steel Corporation
P.O. Box 807
East Carbon, Utah 84520

RE: Wellington Coal Preparation Plant
ACT/007/012

Dear Mr. Watson:

For those mines which have not upgraded their monitoring plans to comply with the permanent program, modification of the federal rules for the Interim Program have caused a change in the reporting schedule for water quality results. Those mines which have upgraded their monitoring programs should maintain the same schedules.

On June 22, 1979, the Office of Surface Mining (O.S.M.) modified its regulations requiring reporting of water quality information by surface and underground coal mines during the Initial Regulatory Program (Federal Register, Volume 22, No. 122, pages 36886-87). These modifications have been made to the rules (30 CFR 715.17 and 717.17) to make reporting time period requirements more consistent with similar requirements of the Environmental Protection Agency and to eliminate the filing of duplicate reports.

More specifically, the modified rules allow for two alternative reporting periods for sample measurements of discharges to surface waters. As one alternative, reports are to be made to the regulatory authority by the discharger within 60 days of the end of each 60-day sample collection period. (If the mining activity involves Federal coal, the regulatory authority includes the State and O.S.M.).

A second acceptable method is reporting through compliance with equivalent time period reporting requirements under the NPDES permit system of the Clean Water Act. Use of the second alternative is conditioned upon the discharges being subject to NPDES requirements. It should be noted that compliance with the second alternative may be achieved by either filing the NPDES reporting form with the regulatory authority, or by identifying the State or Federal government official with whom the NPDES reporting form was filed.

I should emphasize that the regulations require that in all cases in which analytical results of samples indicate a violation of a permit condition or applicable standard, the operator shall notify the regulatory authority immediately. I should also note that when the Permanent Regulatory Program becomes effective, the reporting requirements of 30 CFR 816.52 and 817.52 will apply.

If questions should arise with respect to these reporting requirements, please contact Thomas Suchoski on my staff. Thank you for your cooperation.

Sincerely,

Ronald W. Daniels

RONALD W. DANIELS
COORDINATOR OF MINED LAND DEVELOPMENT

RWD/te