Return to URFO 467-SS

40-8786
PDR

URANIUM RESOURCES INC.

MARK S. PELIZZA
Environmental Manager

04008786221E

March 22, 1983

Mr. John H. Linehan
Uranium Recovery Licensing Branch
Division of Waste Management
United States Nuclear Regulatory
Commission
7915 Eastern Avenue
Silver Springs, Maryland 20910

Dear Mr. Linehan:

Attached is URI's fourth quarterly report for the North Platte Project.

Any questions pertaining to this report should be directed to the undersigned.

Sincerely,

Mark S. Pelizza
Environmental Manager

MSP/lsc

Encls.

FEE EXEMPT

DESIGNATED ORIGINAL

Certified By B Fisher

00189
Info only

URI

URANIUM RESOURCES INC.

NORTH PLATTE PROJECT

QUARTERLY REPORT

OCTOBER 15, 1982 - JANUARY 15, 1983

CONTENTS

NORTH PLATTE PROJECT
QUARTERLY REPORT

1.0 PROJECT DEVELOPMENT

The analysis of the October 13, 1982 restoration verifying samples disclosed unacceptable levels of uranium in well I-4 for restoration to be deemed complete. URI attributed these levels of uranium to the inflow of deviant streamlines. Therefore, to pull in these streamlines URI proceeded to simply extract from the formation on October 22, 1982. Simple extraction proceeded until January 6, 1983 when the reverse osmosis unit was put back into operation. Operation of the R.O. unit will clean any residual contaminates which have been drawn in by simple extraction.

2.0 HYDROLOGY

2.1 Net Flow Balance

During the simple extraction phase of the report period, 575,014 gallons (~1.9 pore volumes) were pumped. This water was transfered to Exxon's tailing pond for disposal. After the R.O. unit was put back into operation, an additional 170,564 gallons (.5 pore volumes) was extracted and 89640 gallons of R.O. product water was injected within this report period. Details of the fluid balance are within Attachment A.

2.2 Water Quality

Water quality data for individual monitor wells is presented in Attachments E and F. Attachment E contains tables and F contains plots. No parameters exceeding their UCL's were observed or reported during the period except the Calcium and Alkalinity values which typically exceed their UCL in monitor wells 1, 3, and 4.

2.3 Bleed Water Quality

A sample of the East Pond is within Attachment G as a representative analysis of Bleed water quality.

2.4 Lixiviant Water Quality

Within Attachment H are values for fluids which were extracted from the formation.

ATTACHMENT A

FLUID BALANCE REPORT

FLUID BALANCE REPORT

DATE	EXTRACTED GALLONS	EXTRACTED AVERAGE GPM	INJECTED GALLONS	INJECTED AVERAGE GPM	BLEED GALLONS
OCTOBER					
15	Down				
16	Down				
17	Down				
18	Down				
19	Down				
20	Down				
21	Down				
22	4807	3.34	0	0	
23	5574	3.87	0	0	
24	5178	3.59	0	0	
25	2637	3.66	0	0	
26	2643	3.74	0	0	
27	6409	4.45	0	0	
28	7980	5.54	0	0	
29	7768	5.39	0	0	
30	5490	4.58	0	0	
31	3052	5.09	0	0	
NOVEMBER					
01	5202	3.61	0	0	
02	3940	2.74	0	0	
03	8686				
04	13656	9.48	0	0	
05	11931	8.29	0	0	
06	12872	8.94	0	0	
07	11339	7.87	0	0	
08	14610	10.15	0	0	
09	18882	13.11	0	0	
10	11455	11.93	0	0	
11	Down				
12	Down				
13	Down				
14	Down				
15	Down				
16	3520				
17	Down				
18	Down				
19	3560				
20	7360				
21	5860				
22	8405				
23	16615				
24	14890				
25	17530				
26	17350				
27	16870				
28	17130				
29	17370				
30	21983				
DECEMBER					
01	22190				
02	13050				
03	13518				
04	Down				
05	Down				
06	556				
07	12046				
08	Down				
09	8990				
10	Down				
11	10190				
12	9790				
13	9550				
14	9330				
15	5082				
16	6598				
17	5465				
18	5465				
19	4393				
20	6344				
21	4298				
22	5720				
23	5170				
24	8060				
25	5933				
26	7657				
27	5688				
28	4778				
29	4778				
30	4778				
31	8978				
JANUARY					
01	6745				
02	6745				
03	Down				
04	6350				
05	14225				
06	14225		2250	3.75	
07	25014		12477	8.66	
08	25026		11758	8.17	
09	17080		8866	8.21	
10	17847		2665	5.55	
11	22191		15997	11.11	
12	9232		4631	12.86	
13	13324		11875	11.00	
14	18171		16306	11.32	
15	8424		2815	7.82	

ATTACHMENT B

WATER LEVEL TABLES

WATER LEVELS

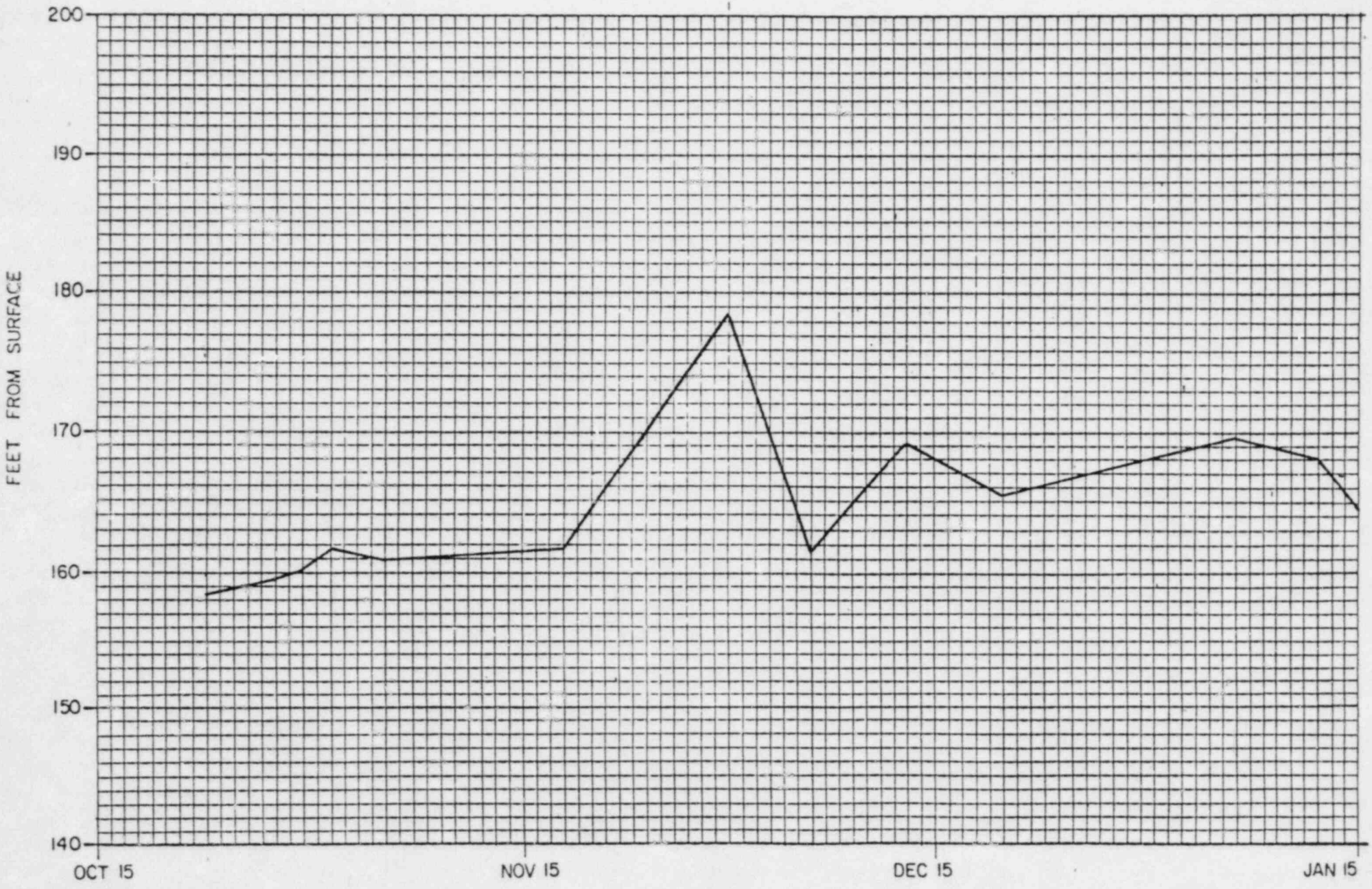
DATE		NPMW1	NPMW2	NPMW3	NPMW4	NPMW5	NPMW6	NPDM1	NPSM1	NPSM2
October	23	158.6	156.8	166.2	162.0	170.8	164.7	166.1	169.0	148.0
	28	159.5	161.4	169.8	165.3	176.3	170.7	167 4	171.6	148.0
	30	160.2	161.4	170.2	164.8	174.9	169.4	166.1	169.7	148.3
November	1	161.8	163.4	168.8	165.6	172.5	169.8	165.9	169.8	150.1
	5	159.8	162.1	168.3	163.7	173.3	169.3	168.8	170.0	148.0
	18	161.7	167.0	174.7	173.0	183.7	174.7	154.0	171.8	149.3
	30	178.5	184.2	191.3	198.5	200.0	191.3	169.5	183.4	148.6
December	6	161.7	167.8	176.7	171.4	182.3	173.5	169.0	171.5	148.1
	13	169.1	175.3	182.8	178.6	189.3	181.0	173.1	180.0	149.0
	20	165.5	172.8	179.8	175.9	186.6	178.1	169.6	180.0	149.3
Janaury	6	169.8	176.3	180.1	179.9	188.8	181.8			
	12	168.0	174.0	182.0	177.0	189.0	184.0			
	18	164.8	169.8	179.5	176.0	182.3	177.1	167.7	176.3	148.8

ATTACHMENT C

WATER LEVEL GRAPHS

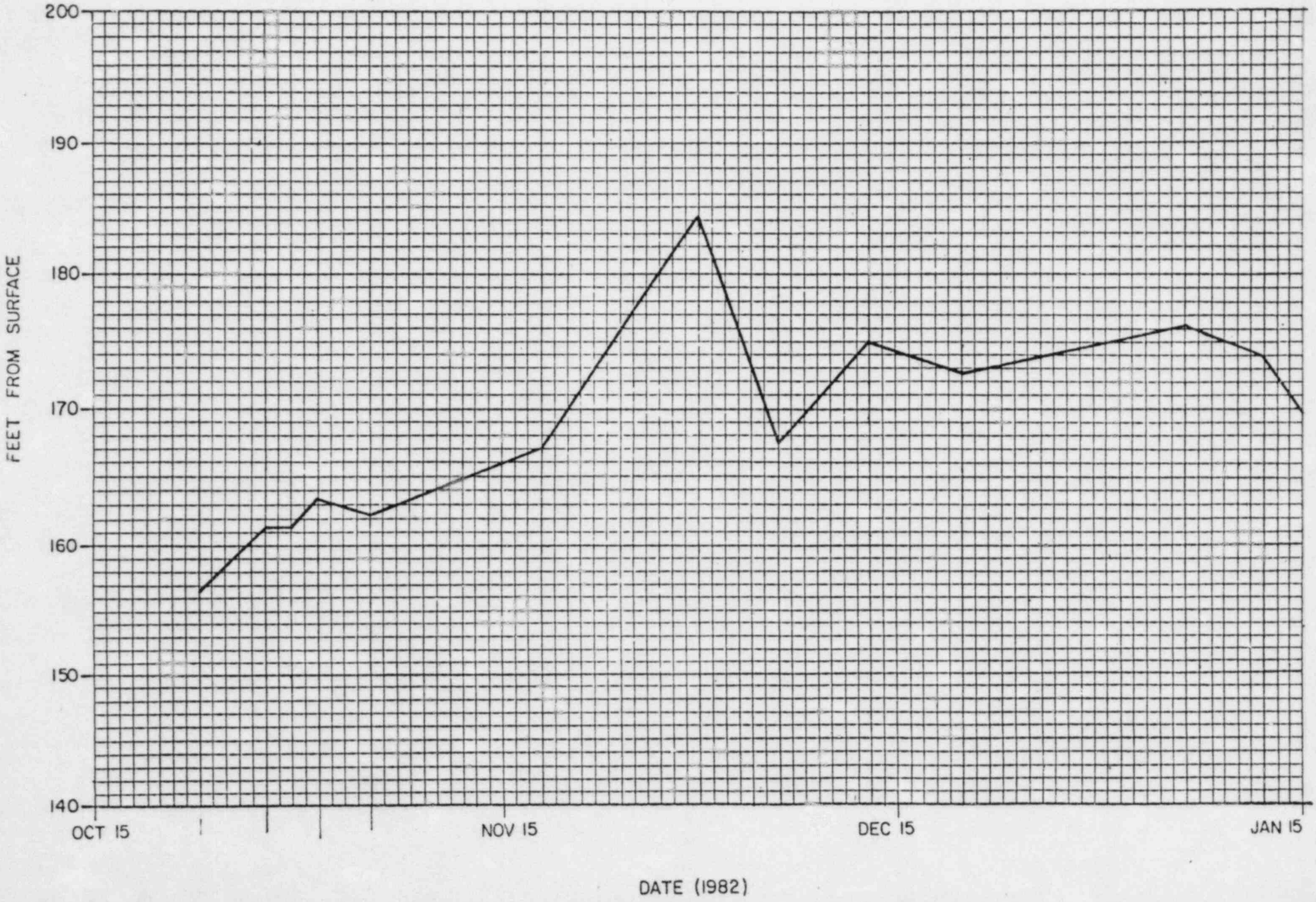
MONITOR WELL
WATER LEVEL GRAPH

NPMW-1



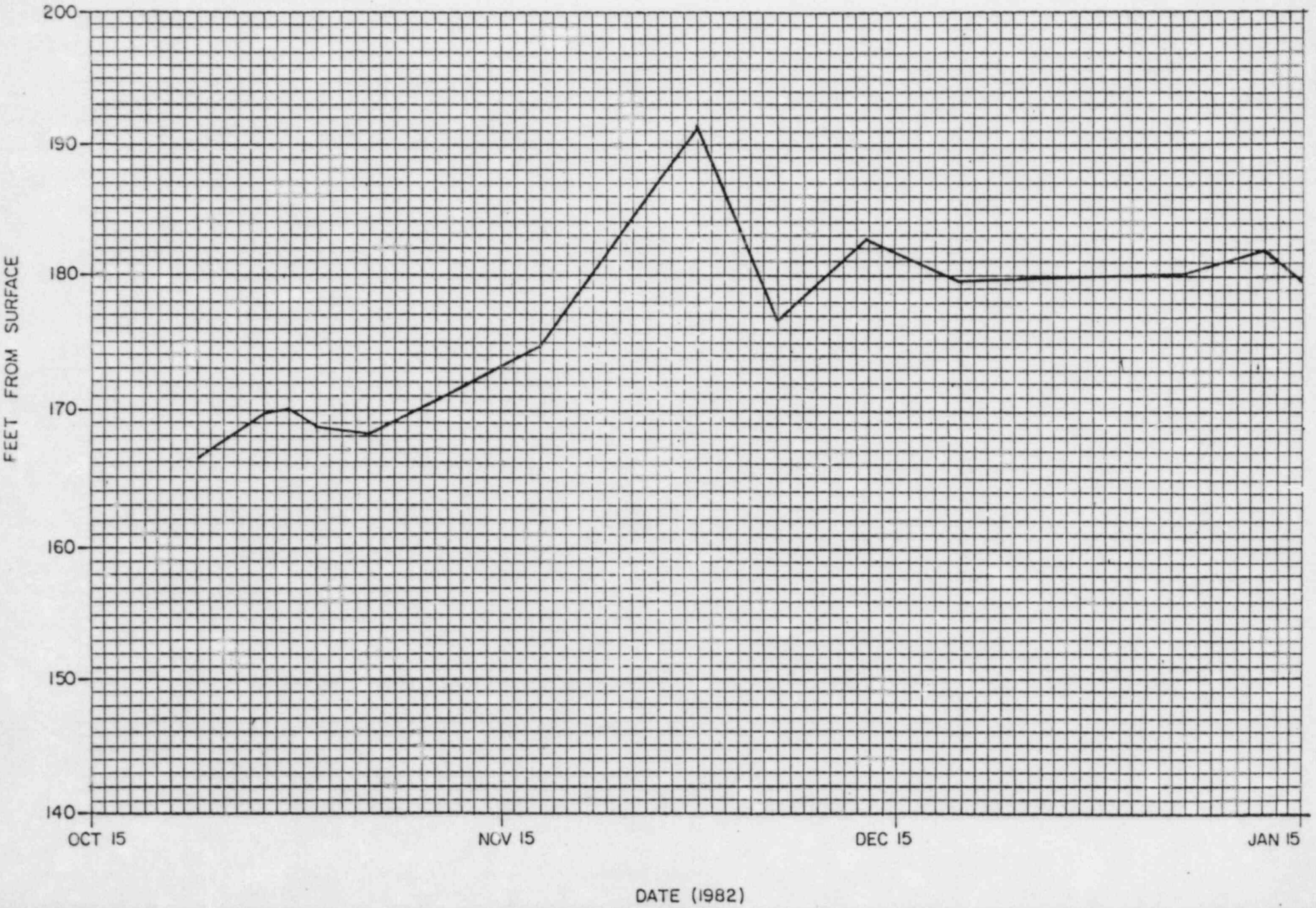
MONITOR WELL
WATER LEVEL GRAPH

NPMW-2



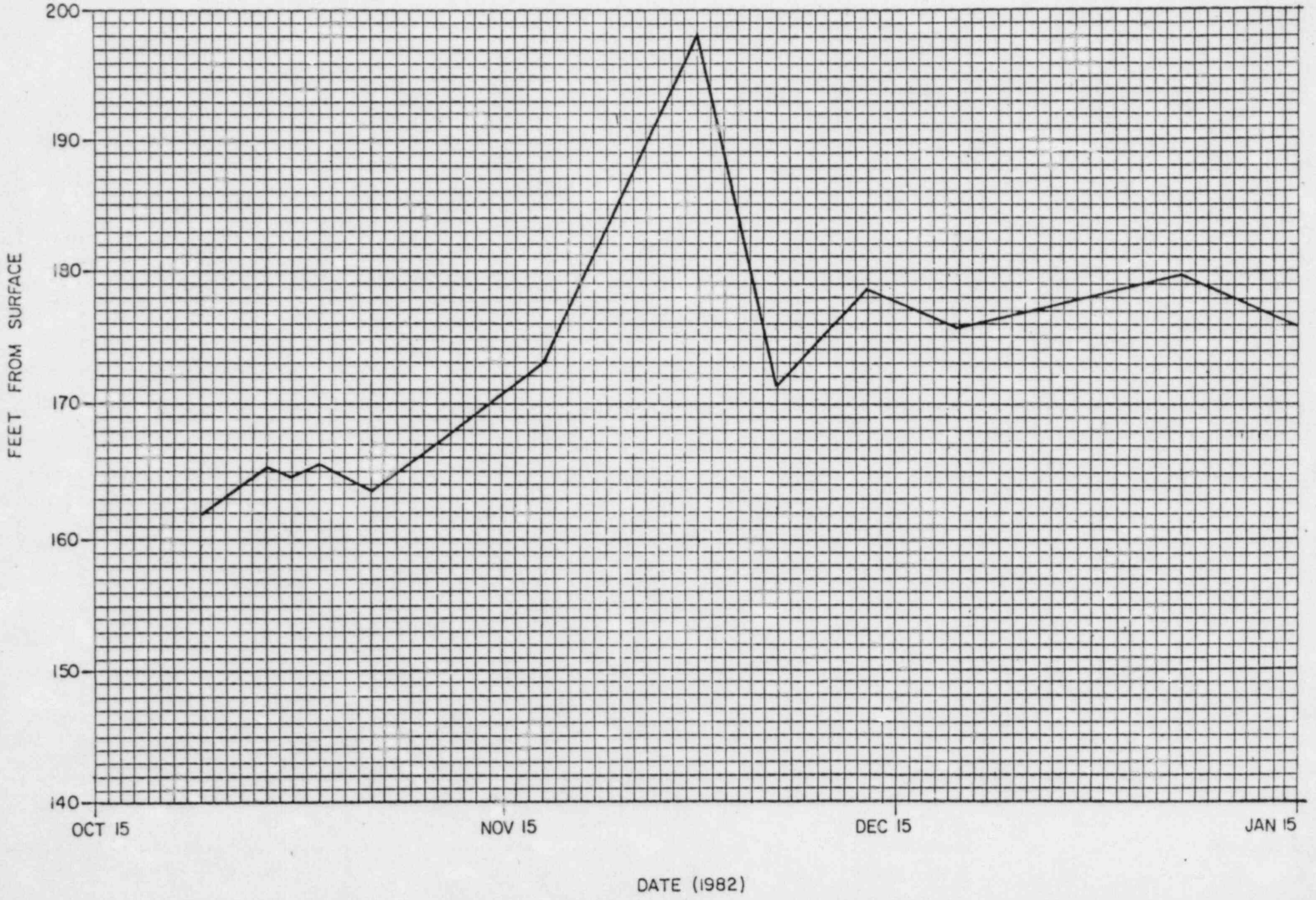
MONITOR WELL
WATER LEVEL GRAPH

NPMW-3



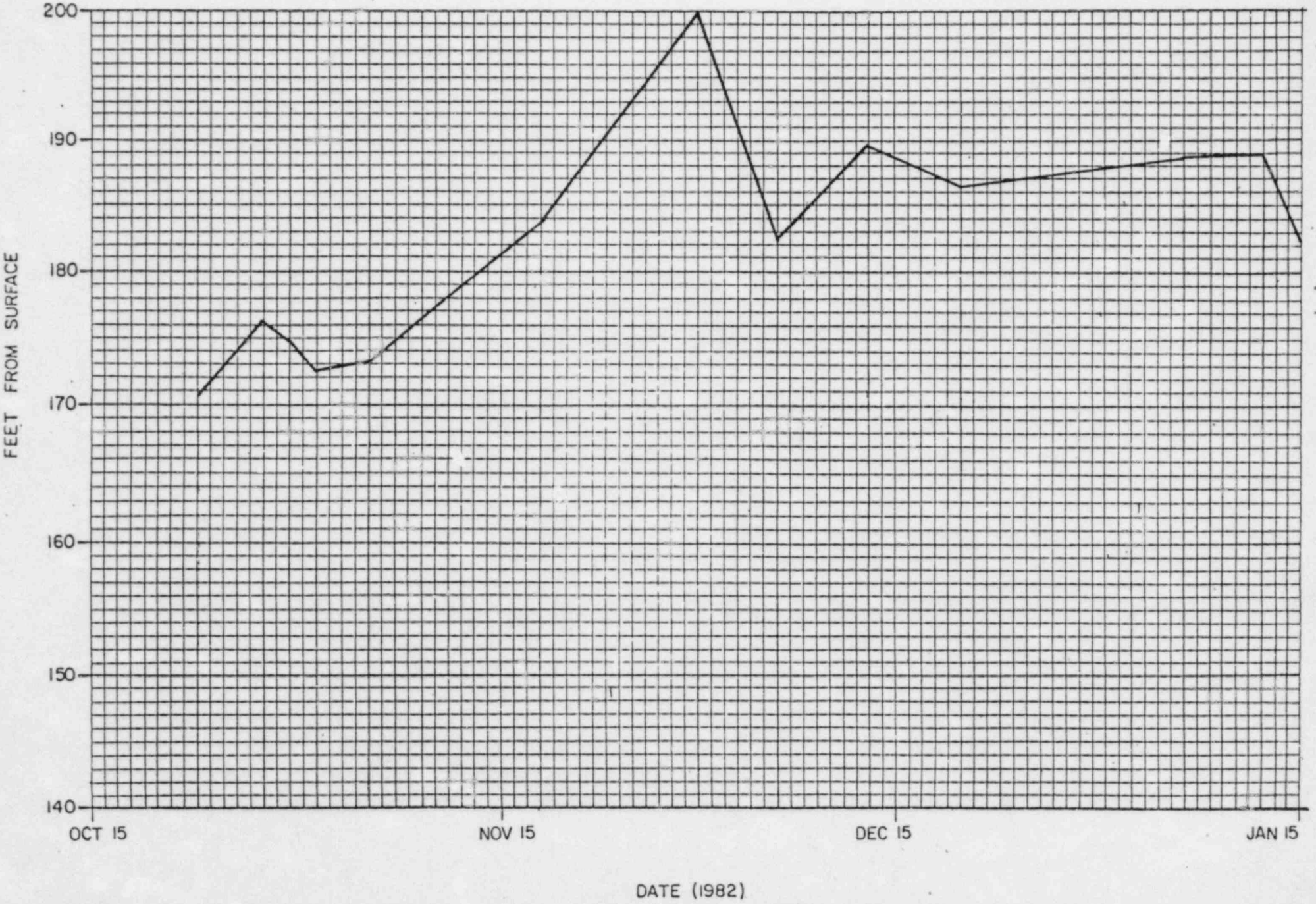
MONITOR WELL
WATER LEVEL GRAPH

NPMW-4



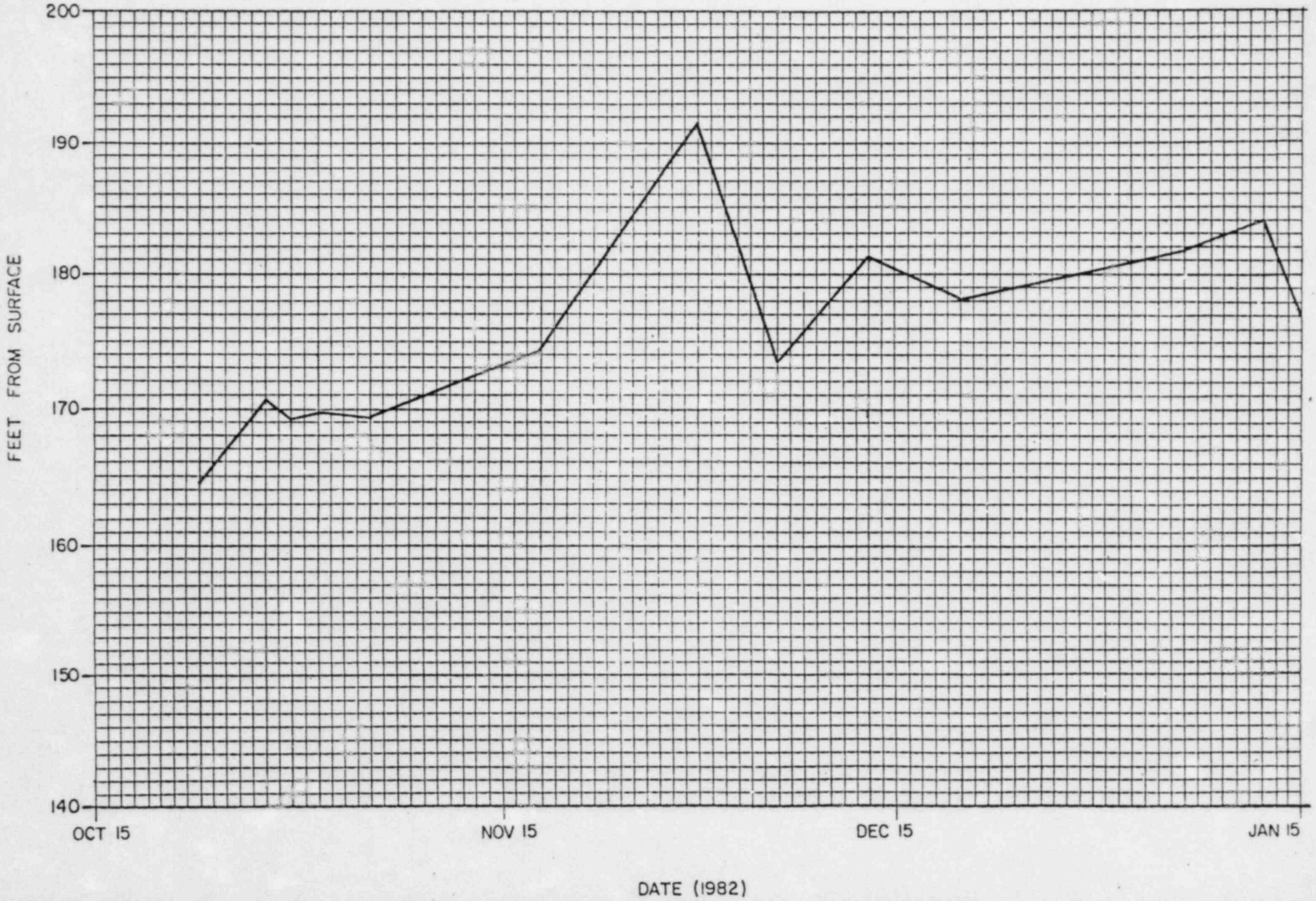
MONITOR WELL
WATER LEVEL GRAPH

NPMW-5



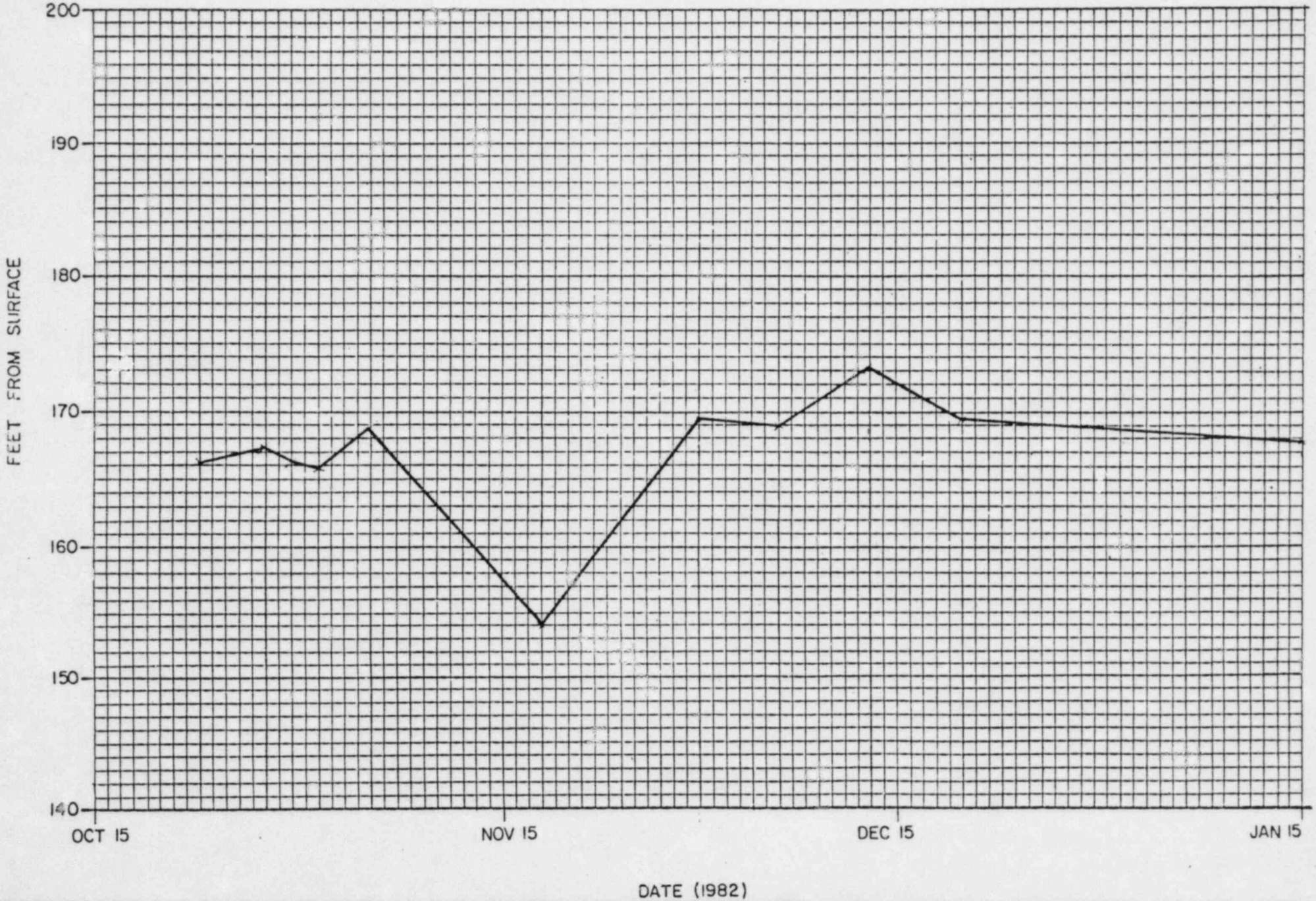
MONITOR WELL
WATER LEVEL GRAPH

NPMW-6



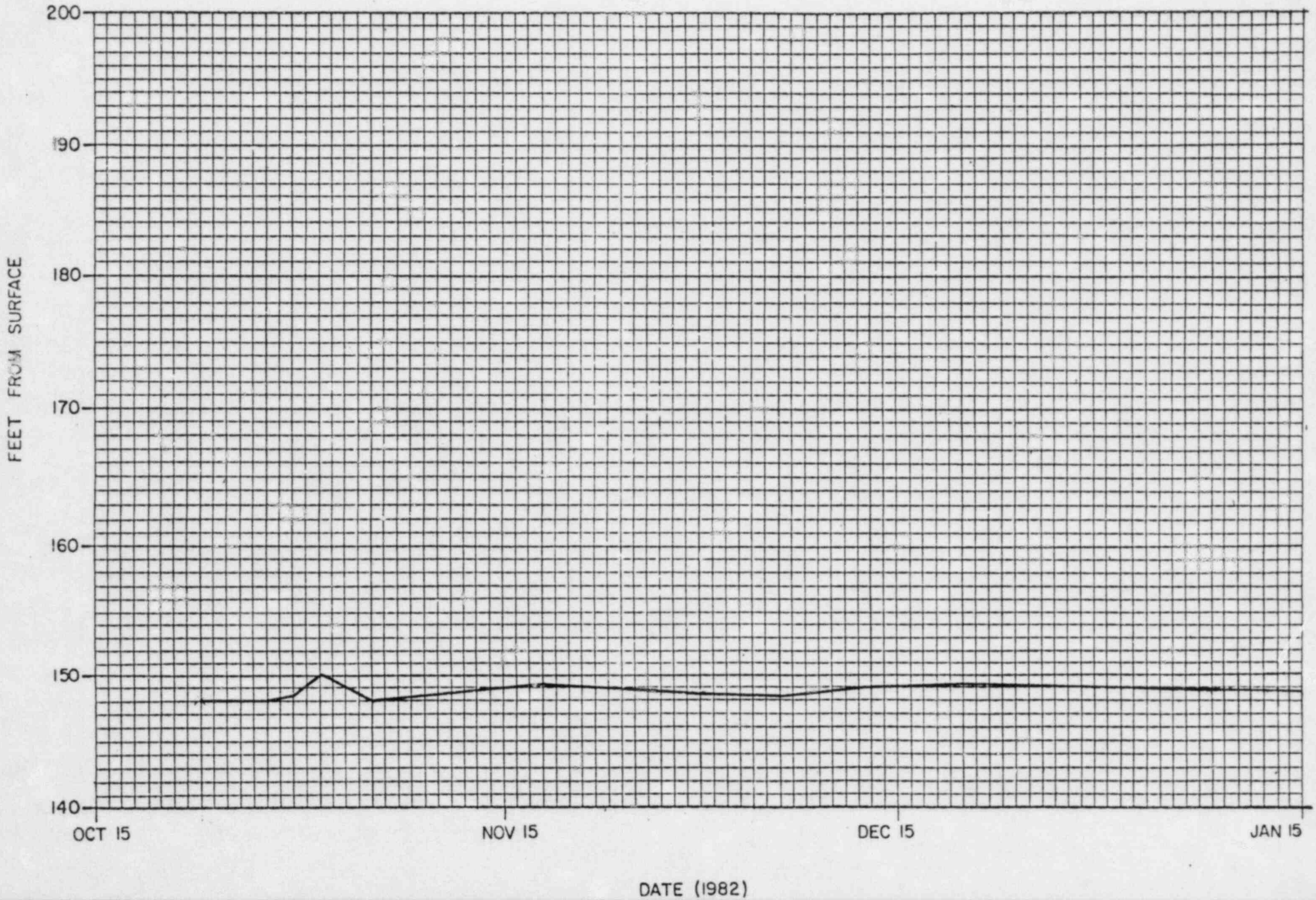
MONITOR WELL
WATER LEVEL GRAPH

NPDM-1



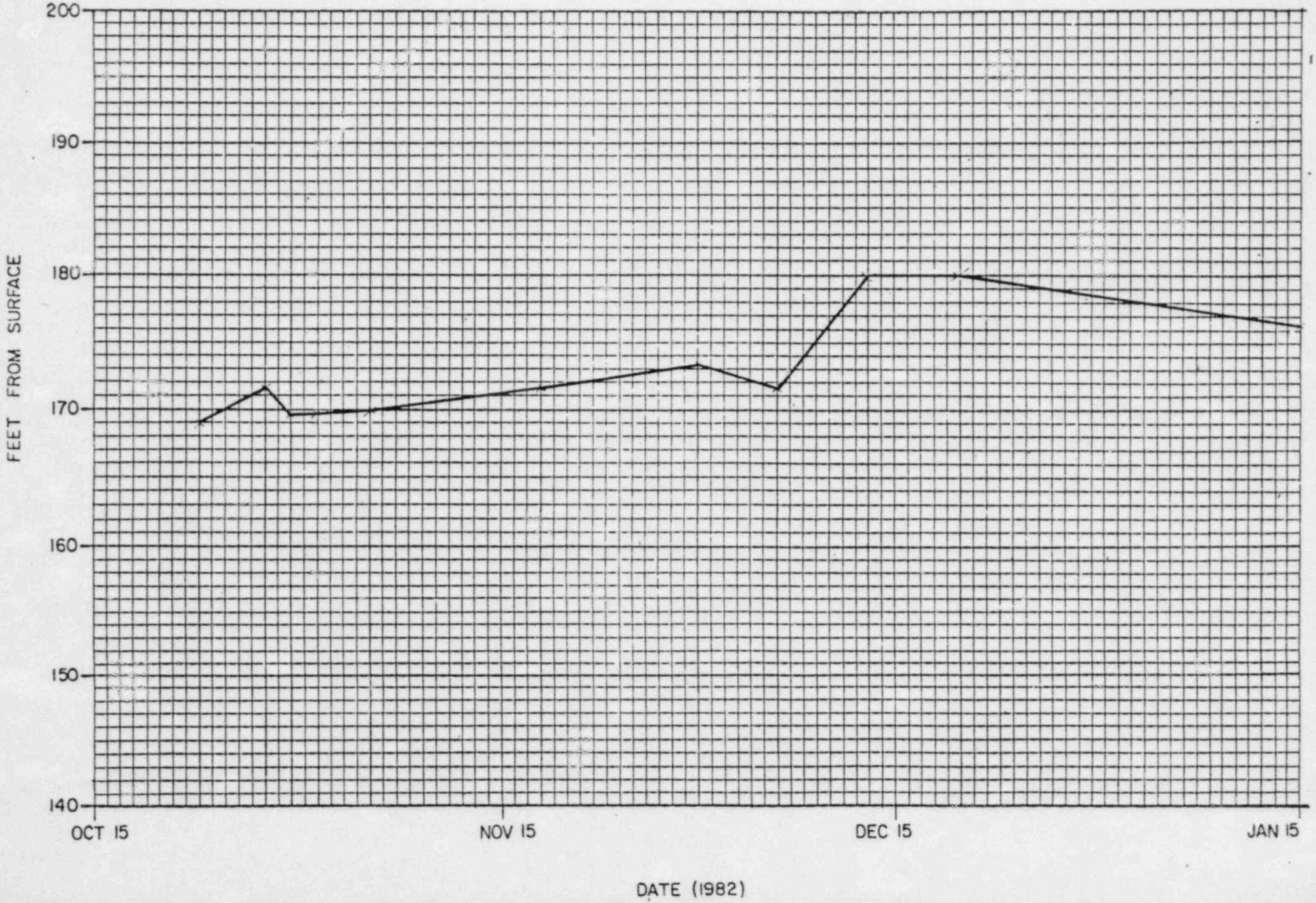
MONITOR WELL
WATER LEVEL GRAPH

NPSM-2



MONITOR WELL
WATER LEVEL GRAPH

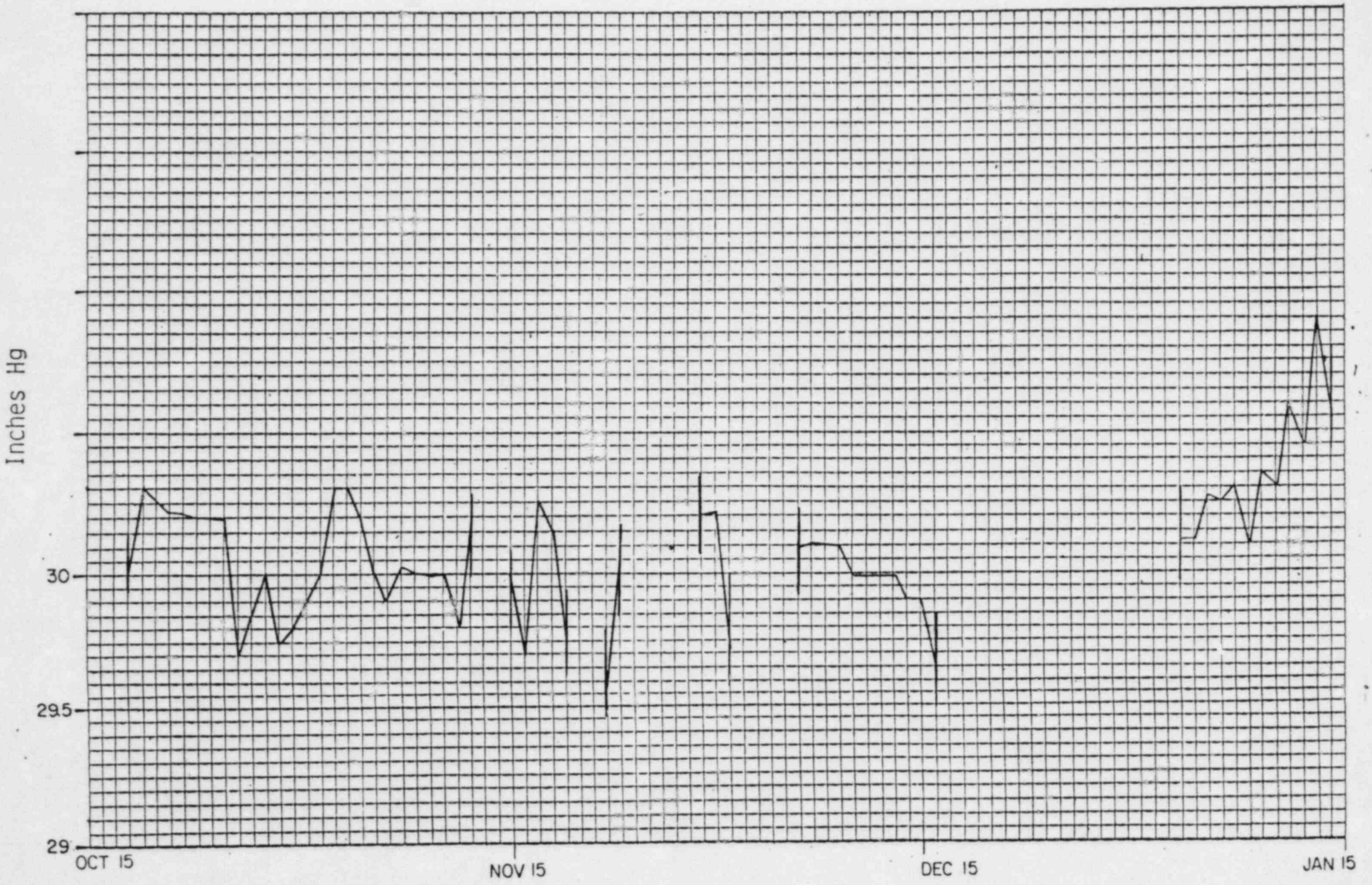
NPSM-1



ATTACHMENT D

BAROGRAPH

BAROMETRIC PRESSURE



BAROMETRIC PRESSURE

DATE	PRESSURE	DATE	PRESSURE	DATE	PRESSURE	DATE	PRESSURE
OCTOBER							
15	30.30	13	Down	11	Down	8	30.10
16	Down	14	Down	12	Down	9	30.3[illegible]
17	Down	15	29.98	13	29.98	10	30.30
18	30.00	16	29.7	14	29.90	11	30.60
19	30.31	17	30.26	15	29.90	12	30.45
20	Down	18	30.15	16	29.65	13	30.90
21	30.22	19	29.75	17	Down	14	30.55
22	30.22	20	Down	18	Down	15	Down
23	30.20	21	Down	19	Down		
24	30.20	22	29.58	20	Down		
25	30.19	23	30.05	21	Down		
26	29.70	24	Down	22	Down		
27	29.85	25	Down	23	Down		
28	30.00	26	Down	24	Down		
29	29.75	27	Down	25	Down		
30	29.80	28	Down	26	Down		
NOVEMBER							
1	30.00	29	30.20	27	30.42		
2	30.30	30	30.22	28	30.45		
3	30.30	Dec.1	29.73	29	30.35		
4	30.20	2	Down	30	30.35		
5	30.00	3	Down	31	Down		
6	29.91	4	Down	Jan.1	Down		
7	30.05	5	Down	2	Down		
8	30.00	6	30.09	3	30.12		
9	30.00	7	30.11	4	30.13		
10	30.01	8	30.1	5	30.27		
11	29.8	9	30.10	6	30.25		
12	30.2	10	30.00	7	30.30		

ATTACHMENT E
WATER QUALITY TABLES

Form 1

URANIUM RESOURCES INC.

MONITOR WELL REPORT

Well # NPMW-1

UCL	576	18	141	14	.08	.06	120	
Date	Cond.	Cl	Alk.	Ca	U	V	Na	pH
1982								
1-29	500	6	144	17	.002	LT.05	99	8.9
2-3	510	6	134	18	.001	LT.05		9.11
2-11	490	6	147	19	LT.001	LT.05	97	8.4
2-15	460	4	130	15	.001	LT.05	96	8.8
3-8	500	2	150	20	.015	LT.05	92	8.2
3-11	490	4	138	16	.05	LT.05	95	8.7
3-22	510	4	145	19	.525	LT.05	97	8.1
3-29	490	4	146	19	.010	LT.05	95	8.2
3-31	530	7	146	17	LT.001	LT.05		8.2
4-7	502		142	18	.004	LT.05	87	7.96
4-7	504	4.8	144	16.8	LT.001	LT.05		8.3
4-9	500	4	145	18	.005	LT.05	98	8.2
4-14	560	2	140	19	LT.001	LT.05	90	8.2
4-16	500	2	140	19	LT.001			
4-28	500	6	140	16	LT.001	LT.05	95	8.2
5-13	500	6	141	19			98	8.1
5-20	510	6	142	19	.004	LT.05	94	8.1
5-27	500	7	141	18	.006	LT.05	94	8.0
6-8	518	6	144	21	.005	LT.05	98	8.3
6-11	520	6	143	15			89	8.4
6-21	540	6	142	20				8.2
6-28	470	5	140	17				7.57
7-6	456	5	133	15				8.09
7-12	490	6	140	18	.010	LT.05	95	7.67
7-21				12.8				
7-30	500	5	142	16				5.00

Form 1

URANIUM RESOURCES INC.

MONITOR WELL REPORT
Well # NPMW - 1

UCL	576	18	141	14	.08	.06	120	
1982		-						
Date	Cond.	Cl	Alk.	Ca	U	V	Na	W.L.
8-4			140	17.6				
8-10	602	4.0	138	16.8				7.97
8-17		5	140	18	.006			8.17
8-27	528	4.6	150	17	.001	LT.1	73	7.8
9-2	540	4.5	150	28				
9-9	490	4.3	138	18	.003		87	7.8
9-20	540	4.3	140	25				7.76
9-23	480	4	140	17	.004		93	7.60
9-29	500	11	144	18				7.36
10-8		3	134	17				8.2
10-13	558	9	143	17	.026	LT.1	86	7.74
10-16		9	134	17				8.2
10-21	563	9	142	17				7.65
10-27	541	5	144	17				7.74
11-3	541	6	150	17				7.98
11-9	535	6	142	18	.002			8.02
11-16	564	5	144		.003			7.74
11-24	548	5	144	17	.002			7.82
12-6	536	8	146	16			92	7.96
12-14	543	6	145	19	.003	LT.1	91	8.02
12-22	570	6	142	17				7.94
12-29	517	8	138	19				8.08
1-6	518	8		18	.3		89	8.02
1-12	524	8	140	18			90	8.07

Form 1

URANIUM RESOURCES INC.

MONITOR WELL REPORT

Well # NPMW-2

UCL	580.5	17	174.5	20.3	1	.06	124.8	
Date	Cond.	Cl	Alk.	Ca	U	V	Na	pH
1982								
1-29	500	6	136	14	.004	LT.05	99	8.6
2-3	500	6	128	12	.002	LT.05		8.91
2-11	490	4	141	17	LT.001	LT.05	97	8.4
2-15	510	4	141	16	LT.001	LT.05	96	8.3
3-8	500	6	146	23	.006	LT.03	96	8.3
3-22	510	4	140	19	.034	LT.05	96	8.1
3-29	500	4	140	20	.015	LT.05	94	8.1
4-14	545	4	138	20	LT.001	LT.05	91	8.0
4-16	500	4	138	20	LT.001	LT.05		8.0
4-28	500	6	140	19	LT.001	LT.05	90	8.1
5-13	500	4	140	20			97	8.2
5-28	510	8	138	17	.002	LT.05	96	8.1
6-9	526	6	140	19	LT.001		97	8.3
6-28	428	5	140	15				8.08
7-13	520	5	136	16	.003	LT.05	95	7.92
7-30	490	5	134	17				7.84
8-10	581	6	140	17.6				7.92
8-27	539	5.3	140	18	.005	LT.10	74	8.10
9-20	540	4.3	136	16				7.76
9-23	500	4.6	136	18	.002		94	7.76
10-13	547	10	144	18				7.82
12-15	471	8	144	18	.017	LT.1	90	7.89
1-6	536	9		20	.089		92	7.73

Form 1

URANIUM RESOURCES INC.

MONITOR WELL REPORT

Well # NPMW-3

UCL	548	16.8	134	13.6	1	.06	127	
Date	Cond.	Cl	Alk.	Ca	U	V	Na	pH
1982								
1-29	470	6	126	12	LT.001	LT.05	97	9.2
2-3	460	6	118	14	.002	LT.05		9.54
2-11	450	6	124	11	LT.001	LT.05	95	9.1
2-15	400	4	80	4	LT.001	LT.05	83	9.9
3-8	480	2	133	12	.004	LT.05	96	8.8
3-23	470	4	125	11	.003	LT.05	97	8.3
3-29	480	4	129	14	.010	LT.05	96	8.6
4-14	510	4	132	13	LT.001	LT.05	94	8.7
4-16	500	4	132	13	LT.001			8.7
4-28	480	6	124	12	LT.001	LT.05	98	8.6
5-13	460	4	111	12			100	9.0
5-29	480	9	124	10	LT.001	LT.05	97	8.8
6-8	513	6	138	17	LT.001		96	8.7
6-21	540	6	140	15	LT.001			8.3
6-28	520	5	137	15				8.15
7-6	505	6	130	14	.004			8.21
7-13	520	5	132	17	LT.001	LT.10	96	8.1
7-21			124					
7-30	495	5	136	11				8.14
8-10	593	5	143.3	12				8.22
8-27	529	5	140	15	3	LT 1	74	8.10
9-9	497	5.3	134	15	2		92	7.91
9-23	480	3	140	15	.001		93	7.90
9/29	510	3.3	142	16				7.78
10-8		3	138	17				7.97
10-13	492	9	140	17	LT.001	LT.1	87	7.86
10-16		9	138	17				7.97

Form 1

URANIUM RESOURCES INC.

MONITOR WELL REPORT
Well # NPMW-3

UCL	548	16.8	134	13.6	1	.06	127	
Date	Cond.	Cl	Alk.	Ca	U	V	Na	W.L.
10-21	511	9	142	18				7.82
10-27	482	6	136	18				7.91
11-3	498	6	150	19				8.03
11-9	494	5	146	19	.019			8.01
11-16	518	3	146		LT .001			7.79
11-24	504	7	144	16	LT .001			7.84
12-6	509	6	144	17			95	7.95
12-14	495	10	150	17	.007	LT.1	93	8.20
12-22	492	6	144	18				8.00
12-29	517	7	142	18				8.08
1983								
1-12	537	8	140	18			91	7.96
1-6	524	6		19	.050		91	7.92

Form 1

URANIUM RESOURCES INC.

MONITOR WELL REPORT

Well # NPMW-4

UCL	573	15.4	169	13.8	1	.06	128.2	
Date	Cond.	Cl	Alk.	Ca	U	V	Na	pH
1982								
1-29	450	6	124	10	.016	LT.05	98	9.0
2-3	450	6	130	18	.003	LT.05		9.55
2-11	490	6	144	16	.004	LT.05	96	8.9
2-15	500	4	147	16	LT.001	LT.05	95	8.7
2-28	500	6	152	22	LT.001	LT.05	96	8.3
3-8	480	6	148	25	.01	LT.05	91	8.4
3-11	500	4	145	18	.004	LT.05	94	8.4
3-22	490	4	142	18	.009	LT.05	98	8.0
3-29	470	4	121	12	.005	LT.05	95	8.8
4-13	548	4	244	15.2	.004	LT.05		8.29
4-14	530	4	140	18	LT.001	LT.05	95	8.4
4-16	480	4	140	18	LT.001			8.4
4-28	460	6	116	10	LT.001	LT.05	98	8.7
5-13	470	4	119	12			93	8.8
5-20	500	6	142	21	.013	LT.05	95	8.2
5-29	490	7	140	15	.015	LT.05	91	8.3
6-8	526	6	146	18	.008		96	8.4
6-11	500	10	136	14			103	8.4
6-21	530	5	139	17	.001		1	8.4
6-28	502	5	143	15				8.18
7-12	475	5.1	130	16.8	LT 1	LT.05	93	8.17
7-21				13.8				
7-30	500	5	140	21				7.97
8-4			146.7	16.8				
8/10	521	5.9	140	15.2				8.07
8-17		5	140	18	.006			8.12

Form 1

URANIUM RESOURCES INC.

MONITOR WELL REPORT

Well # NPMW-4

UCL	573	15.4	169	13.8	1	.06	128.3	
Date	Cond.	Cl	Alk.	Ca	U	V	Na	W.L.
1982								
8-27	528	5.6	150	15	7	LT.1	73	7.9
9-2	500	5.3	160	18				
9-9	450		142	17	.002		88	7.82
9-20	550	4.6	142	19				7.84]
9-23	470	3	142	17	.003		92	7.80
9-29	500	3	146	18				7.71
10-8		3	136	14				8.22
10-13	547	9	143	18	.025	LT.1	88	7.87
10-17		9	136	14				8.22
10-21	517	10	142	18				7.82
10-27	514	6	140	16				7.90
11-3	553	6	150	19				7.96
11-9	549	5	146	19	.028			8.01
11-16	554	5	144		LT .001			7.87
11-24	572	6	140	15	LT .001			7.96
12-6	548	6	144	16			91	8.06
12-14	503	7	147	18	.013	LT .1	91	8.14
12-22	535	6	144	17				8.06
12-29	487	8	138	16				8.10
1-6	524	7		15			91	8.09
1-12	517	7	140	17			89	8.05

Form 1

URANIUM RESOURCES INC.

MONITOR WELL REPORT

Well # NPMW-5

UCL	581	15.3	155.6	20.7	1	.06	123	
Date	Cond.	Cl	Alk.	Ca	U	V	Na	pH
1982								
1-29	470	6	124	12	LT.001	LT.05	95	9.0
2-3	460	5	126	17	.002	LT.05		9.33
2-11	420	6	96	10	LT.001	LT.05	90	9.5
2-28	500	4	150	18	LT.001	LT.05	92	8.2
3-8	490	6	146	21	.003	LT.05	90	8.3
3-22	500	4	142	18	LT.001	LT.05	96	8.2
3-29	480	4	146	19	.001	LT.05	94	8.2
4-14	525	4	145	16	LT.001	LT.05	90	8.1
4-16	500	6	142	20	LT.001			8.1
4-28	480	6	140	18	LT.001	LT.05	95	8.1
5-13	510	5	142	18			92	8.2
5-28	480	8	134	15	.002	LT.05	96	8.2
6-9	513	6	142	20	LT.001		92	8.3
6-28	460	6	137	16				8.13
7-12	425	7	133	14	.005	LT.1	92	8.15
7-30	495	5	134	13				8.01
8-10	579	5.9	140	15.2				8.07
8-27	517	5	140	17	LT.001	LT.1	73	8.00
9-23	480	3	140	18	LT.001		90	7.76
10-13	535	8	144	16				7.91
12-15	443	6	144	17	LT.001	LT.1	91	8.17
1983								
1-6	512	6		17	.031		89	8.09

Form 1

URANIUM RESOURCES INC.

MONITOR WELL REPORT

Well # NPMW-6

UCL	549.6	13.2	176	25.3	1	.06	126.8	
Date	Cond.	Cl	Alk.	Ca	U	V	Na	pH
1982								
1-29	480	6	151	18	.005	LT.05	96	8.5
2-3	490	5	134	19	.002	LT.05		8.9
2-11	490	6	148	16	LT.001	LT.05	97	8.3
2-15	490	6	150	19	LT.001	LT.05	92	8.2
3-8	500	6	150	25	.009	LT.05	91	8.1
3-23	500	4	145	16	LT.001	LT.05	96	8.1
3-29	500	4	146	17	.020	LT.05	95	8.0
4-14	525	4	145	16	LT.001	LT.05	90	
4-16	500	4	145	16	LT.001			7.8
4-28	480	4	142	19	LT.001	LT.05	95	8.1
5-13	520	4	145	18			98	8.0
5-28	500	7	145	15	.003	LT.05	98	8.1
6-9	515	6	144	16	.001		93	8.2
6-29	501	5	137	16	LT.001			7.91
7-6	502	5	140	17				8.02
7-13	485	7	143	17	4	LT.10	93	8.02
7-30	490	5	142	17				7.90
8-10	595	6.1	143.3	16.8				7.96
8-27	528	5.3	160	18	.002	LT.1	74	8.00
9-23	480	3	142	18	.002		93	7.77
10-13	535	9	148	18				7.85
12-15	535	7	144	18	.009	LT.1	92	8.00
1983								
1-6	524	7		18	.071		91	7.96

Form 1

URANIUM RESOURCES INC.

MONITOR WELL REPORT
Well # NPDM-1

UCL	521	17	-143.2	36.2	1	.05	106	
Date	Cond.	Cl	Alk.	Ca	U	V	Na	pH
1982								
1-28	370	6	110	1	LT.001	LT.05	85	10.8
2-3	395	5	106	2	.001	LT.05		10.9
2-11	390	4	120	5	LT.001	LT.05	85	9.5
2-15	400	10	139	9	LT.001	LT.05	88	8.9
3-8	380	20	136	8	.001	LT.05	86	8.6
3-25	400	4	136	8	LT.001	LT.05	90	8.6
3-29	380	4	134	7	LT.001	LT.05	87	8.6
4-14	465	4	138	11	LT.001	LT.05	85	8.1
4-28	480	4	142	19	LT.001	LT.05	95	8.1
5-13	390	4	136	10	LT.001			8.6
6-9	408	8	130	6	LT.001		87	8.9
6-29	395	4	126	6				8.18
7-6	396	4	123	6				8.5
7-13	390	5	128	6	LT.001	LT.10	83	8.39
7-30	400	5	128	4				8.23
8-10	472	5	140	8				8.31
8-27	440	5.6	140	10	.008	LT.10	66	8.10
9-23	390	3.3	134	9	.003		84	8.05
10-13	442	14	140	8				7.79
12.15	375	6	132	8	.004	LT.10	81	8.20
1983								
1-6	414	7		8	26		81	8.17

Form 1

URANIUM RESOURCES INC.

MONITOR WELL REPORT
Well # NPMS-1

UCL			207	33				
Date	Cond.	Cl	Alk.	Ca	U	V	Na	pH
1982								
1-29	510	7	126	21	LT.001	LT.05	90	6.9
2-3	505	8	148	22	LT.001	LT.05		8.1
2-10	490	6	151	17	LT.001	LT.05	90	8.0
2-15	490	8	151	21	LT.001	LT.05	88	8.0
3-8	480	4	213	21	.001	LT.05	90	7.7
3-25	410	4	148	18	LT.001	LT.05	93	7.8
3-29	480	4	150	21	.009	LT.05	92	7.8
4-7	486	4	142	29	LT.001	LT.05	87	7.8
4-9	480	6	146	18	.003	LT.05	94	7.9
4-14	526	5	147	18	LT.001	LT.05	85	7.8
4-28	480	8	152	21	LT.001	LT.05	86	7.5
5-13	480	8	150	18			89	7.6
5-21	510	6	142	19	LT.001	LT.05	94	
6-8	573	6	150	18	LT.001		83	8.1
6-29	500	5	143	17				7.58
7-13	500	6	147	17	LT.001	LT.1	89	7.96
7-30	495	5	148	19				7.70
8-10	581	5.1	150	18.4				7.77
8-27	517	4.3	160	17	.32	LT.10	72	7.80
9-23	470	3.6	148	16	.007		93	7.63
10-13	535	22	152	20				7.55
12-15	466	7	164	16	.2	LT.1	88	7.59
1983								
1-6	487	11		18	.002		84	7.47

Form 1

URANIUM RESOURCES INC.

MONITOR WELL REPORT

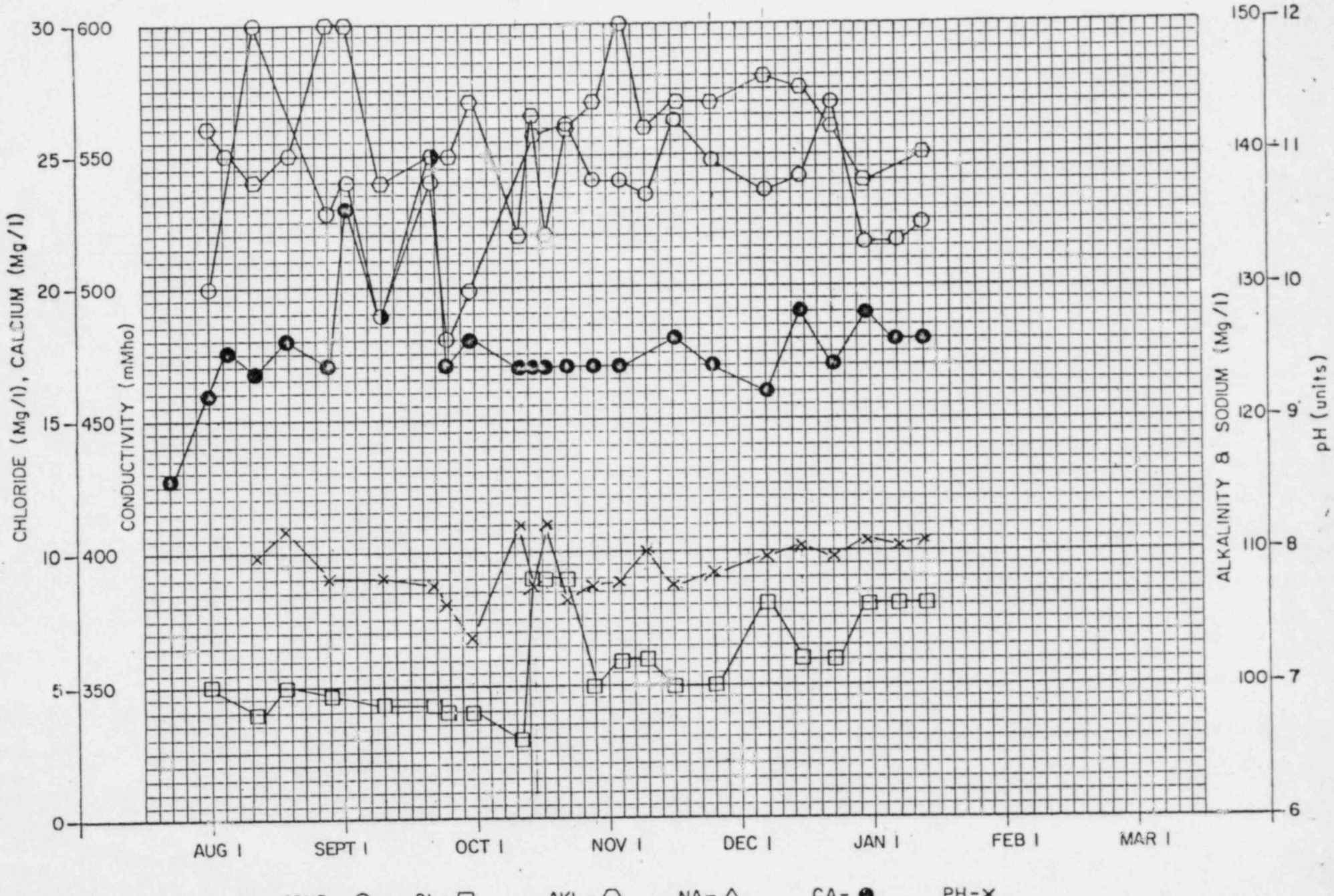
Well # NPMS-2

UCL	564	13.6	139.1	57.3	1	.06	89.5	
Date	Cond.	Cl	Alk.	Ca	U	V	Na	pH
1982								
1-29	560	4	120	46	LT.001	LT.05	58	8.0
2-3	525	5	112	55	LT.001	LT.05		
2-10	490	4	145	49	LT.001	LT.05	55	7.9
2-15					LT.001			8.0
3-8	370	4	70	28	LT.001	LT.05	44	8.0
3-25	530	4	131	44	LT.001	LT.05	63	7.9
3-29	530	4	145	45	.003	LT.05	64	8.0
4-14	540	4	146	45	LT.001	LT.05	86	
4-28	530	4	146	46	LT.001	LT.05	56	7.8
5-13	550	4	125	49			64	8.1
5-22	550		154	49				8.2
6-9	556	6	142	48	LT.001		62	8.1
6-28	502	4	150	46				7.96
6-29	556	4	130	49				7.79
7-12	540	6	147	49	.003	LT.1	59	6.2
7-21			126					
7-30	520	4	152	43				7.84
8-4			149.9	45				
8-10	659	4.9	130.0	49.7				7.61
8-17		4	152	44	.002			8.14
8-27	550	4.6	150	43	.031	LT.1	44	7.40
9-23	510	3.3	156	45	.001		54	7.68
10-13	564	6	164	46				7.79
12-15	523	6	132	52	.007	LT.1	57	8.19
1983								
1-6	579	7		50	.016		56	7.98

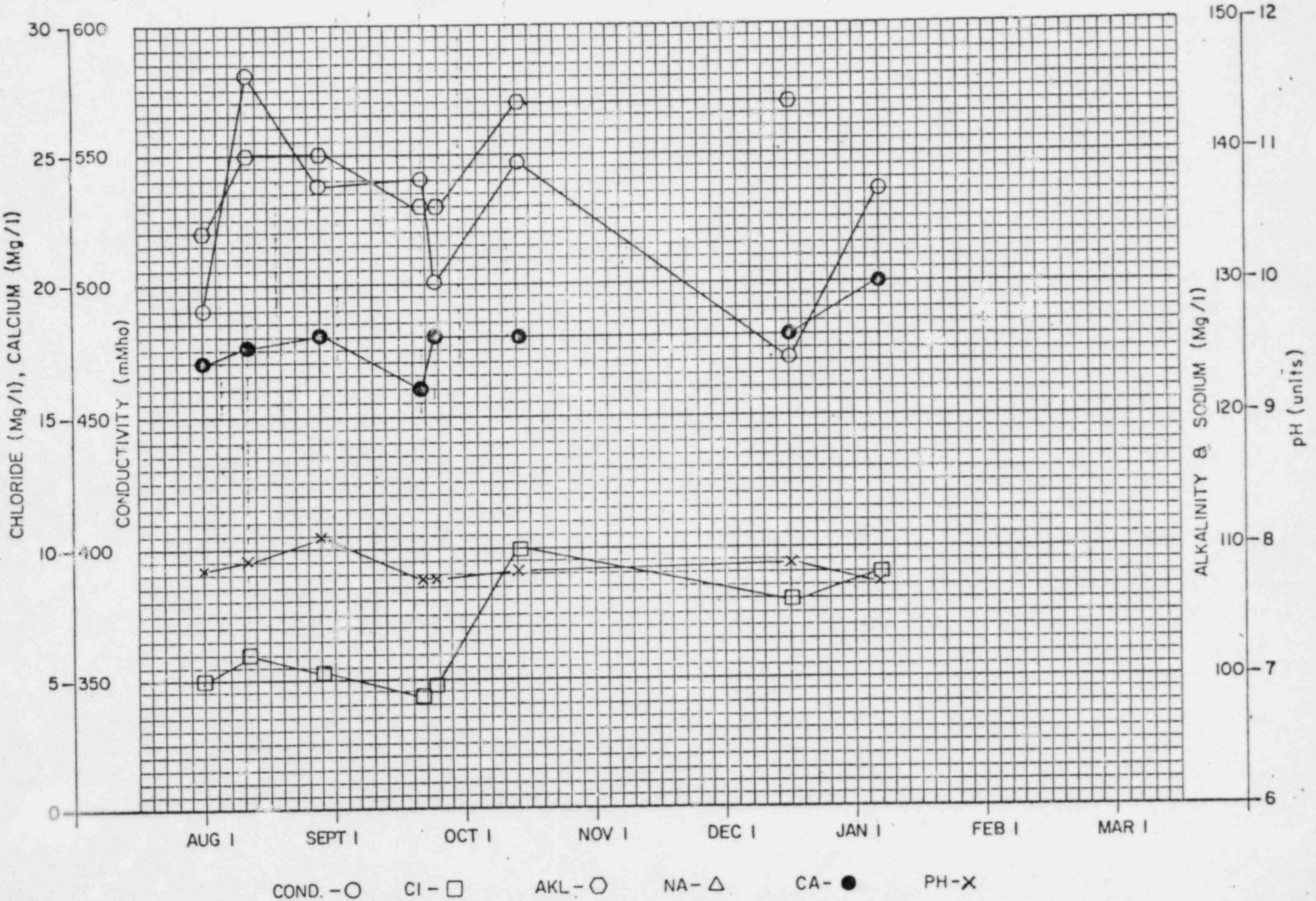
ATTACHMENT F

WATER QUALITY GRAPHS

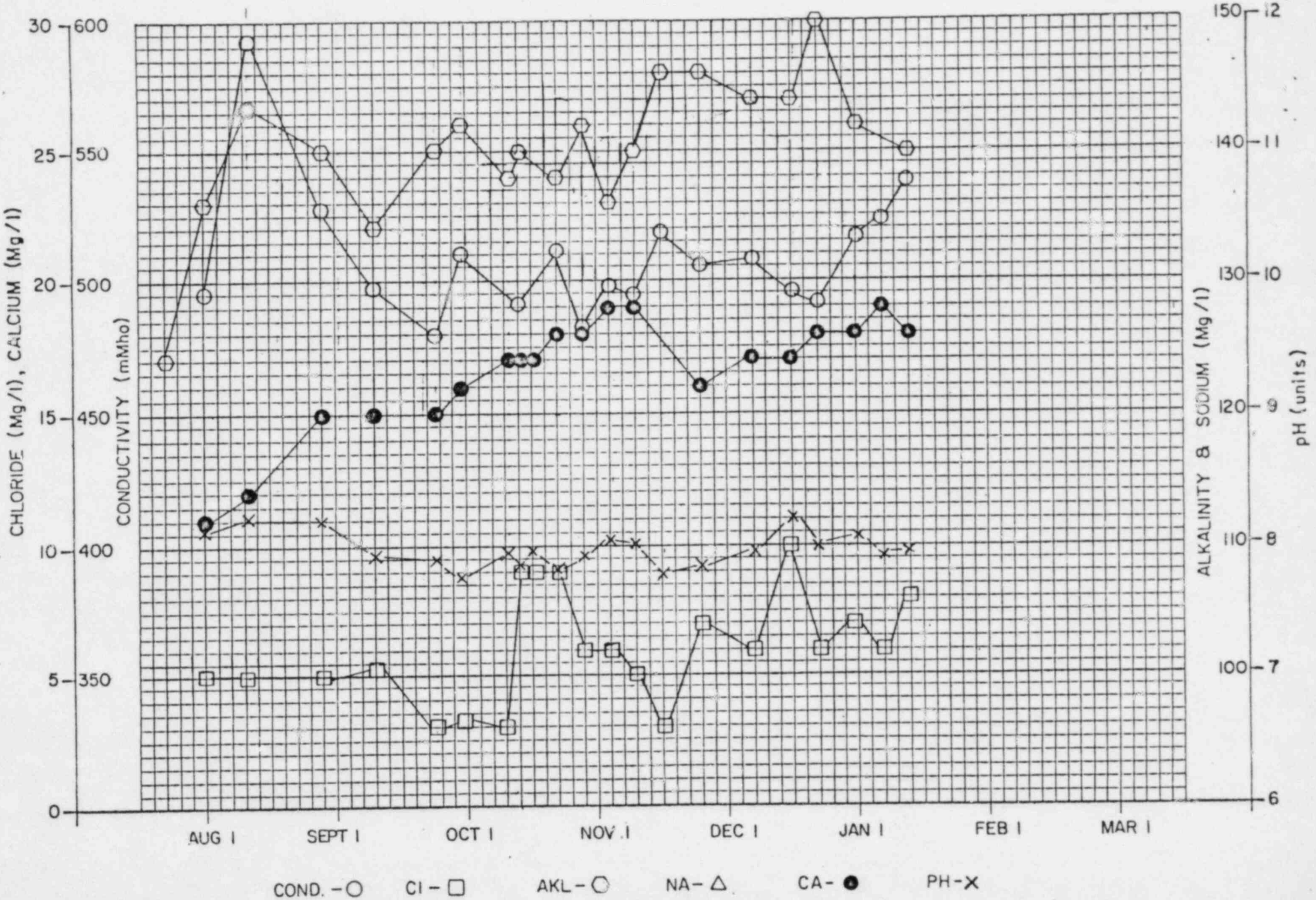
MONITOR WELL
WATER QUALITY GRAPH
NPMW-1



MONITOR WELL
WATER QUALITY GRAPH
NPMW-2

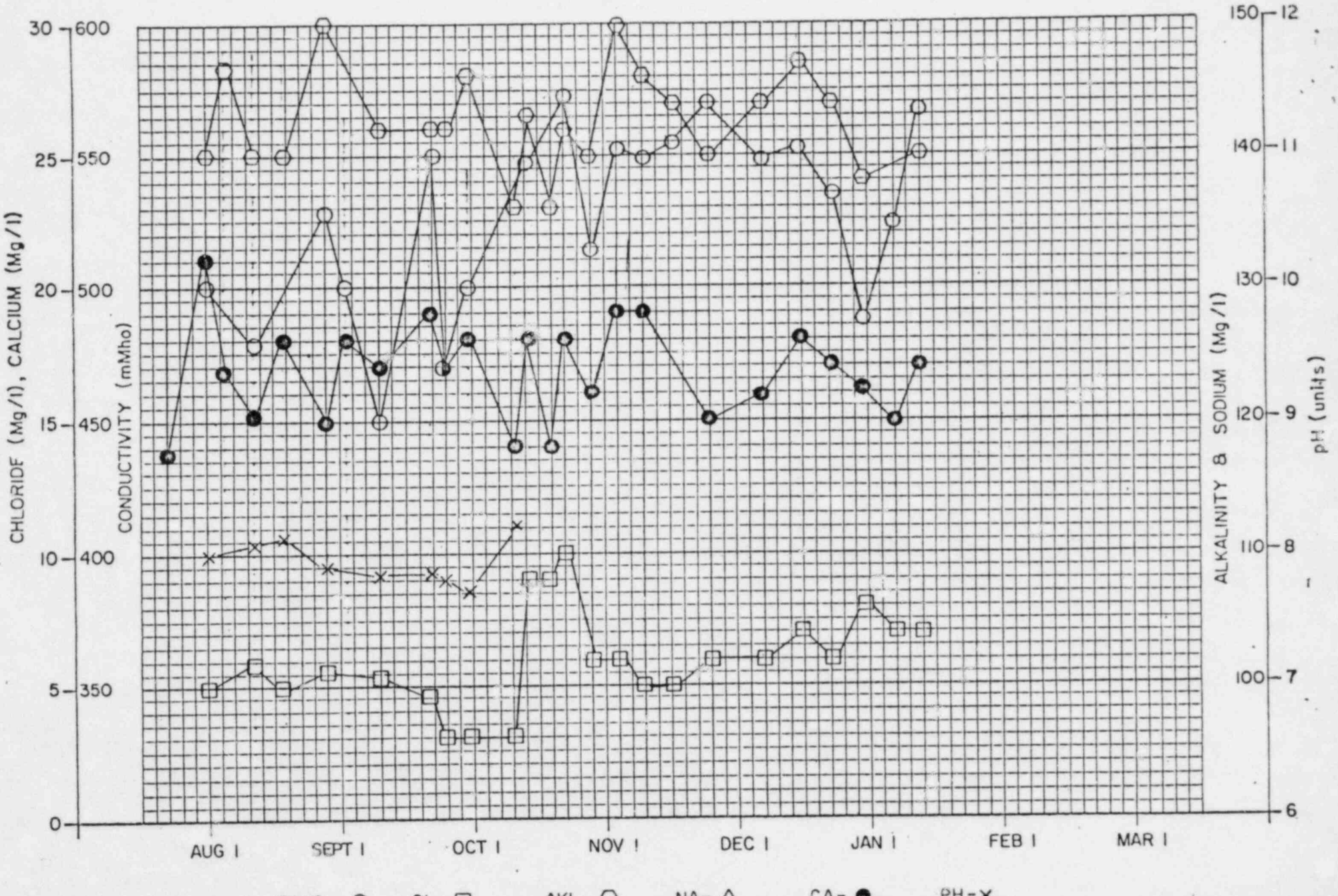


MONITOR WELL
WATER QUALITY GRAPH
NPMW-3



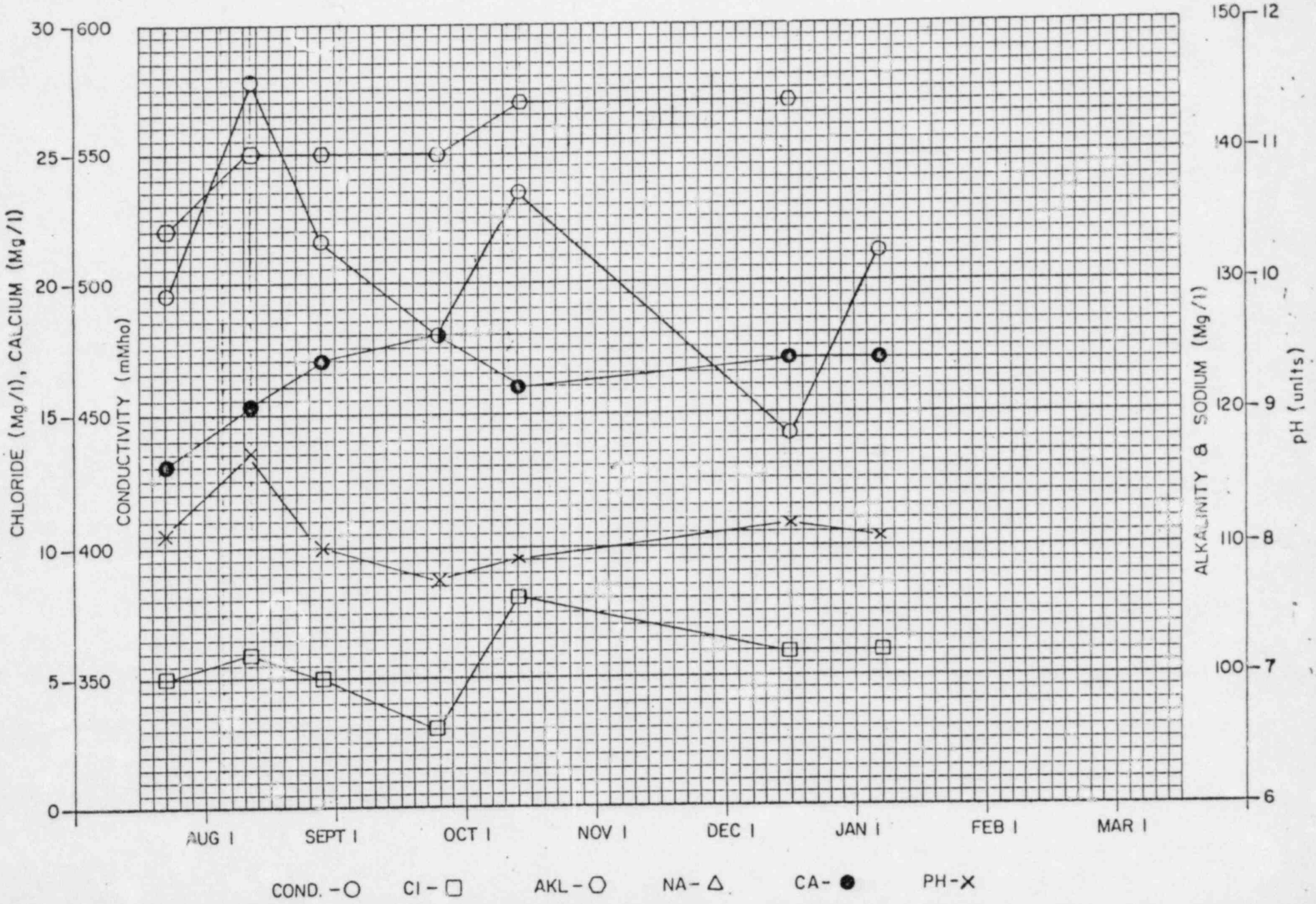
MONITOR WELL
WATER QUALITY GRAPH

NPMW-4



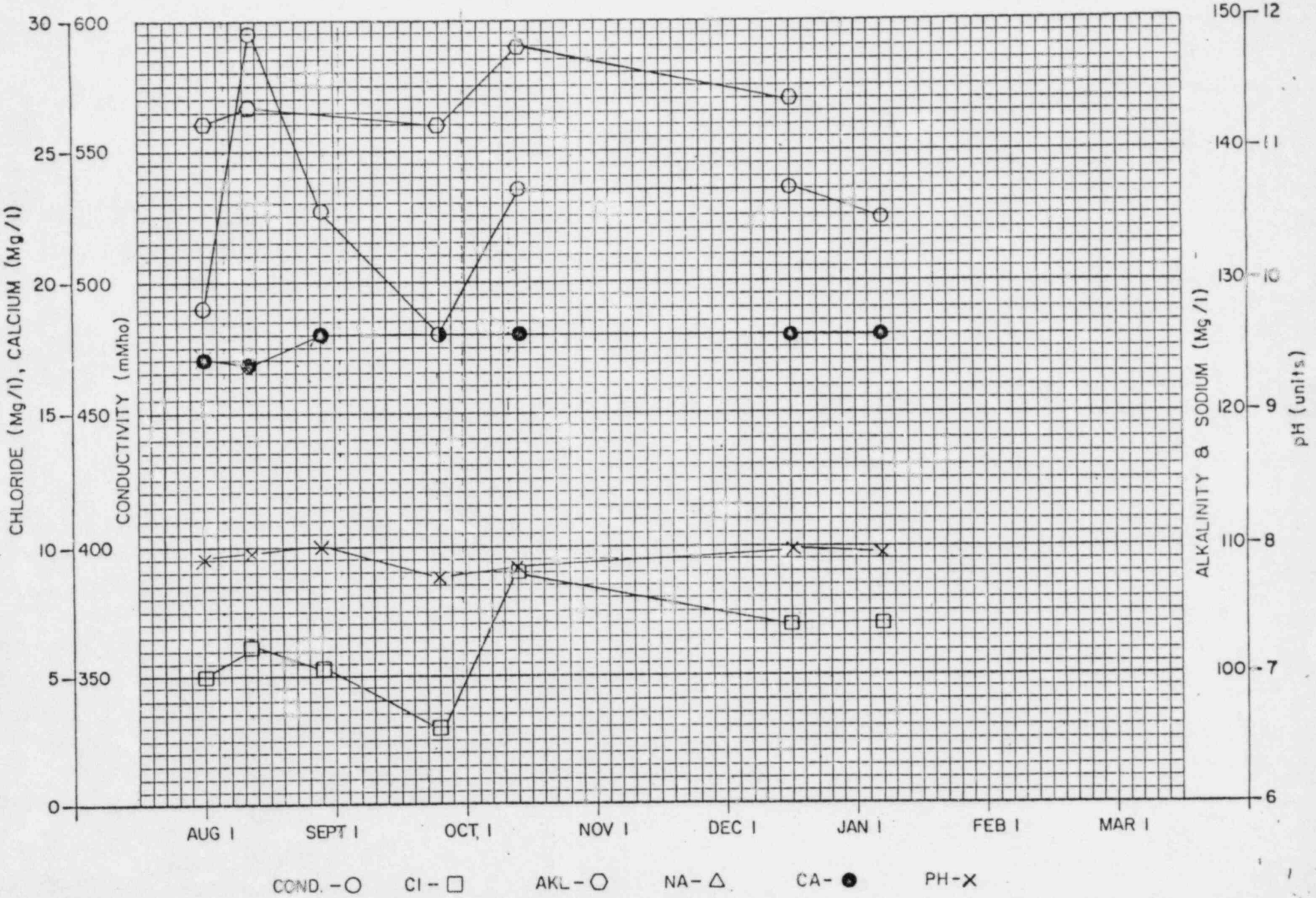
MONITOR WELL
WATER QUALITY GRAPH

NPMW-5



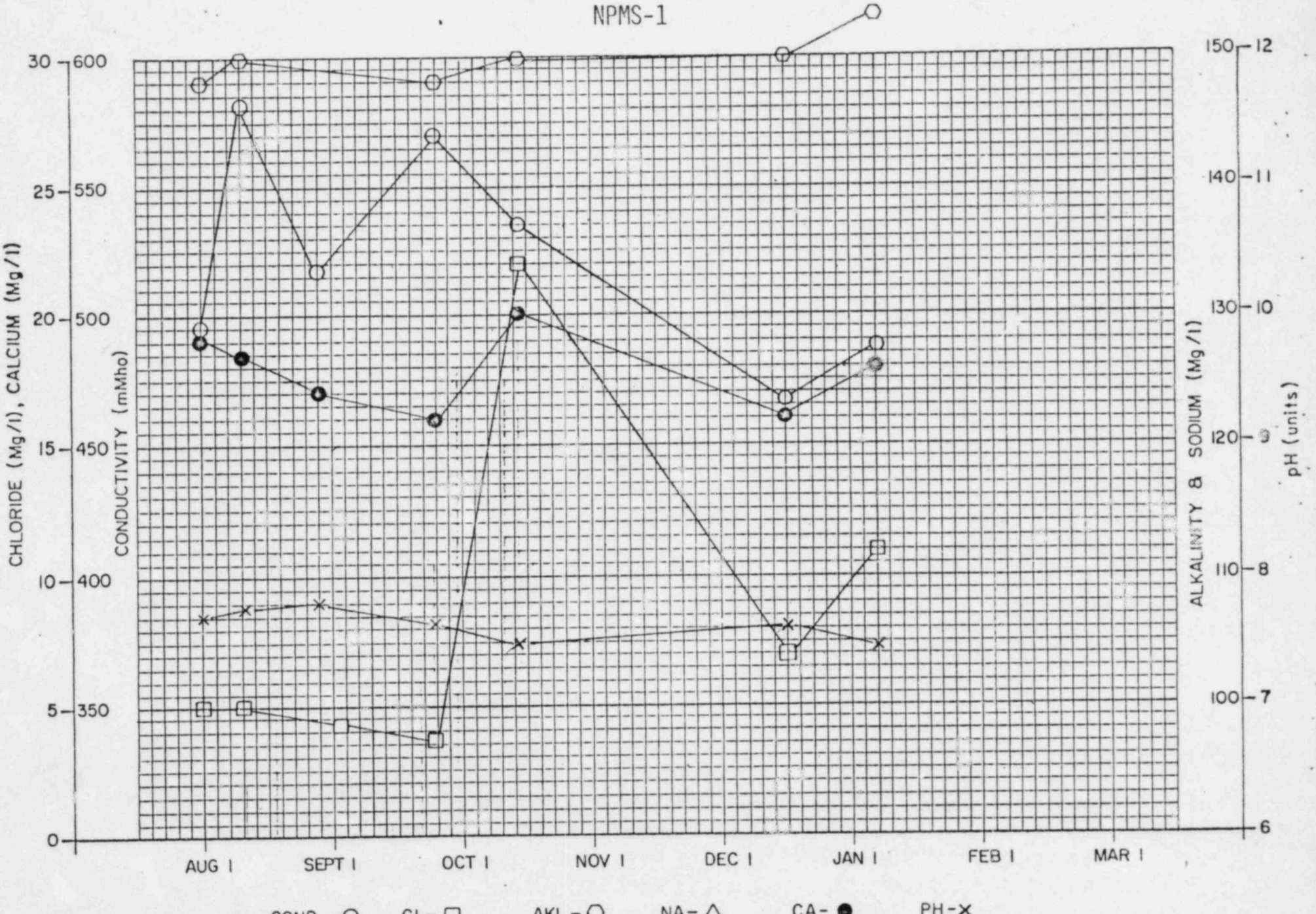
MONITOR WELL
WATER QUALITY GRAPH

NPMW-6



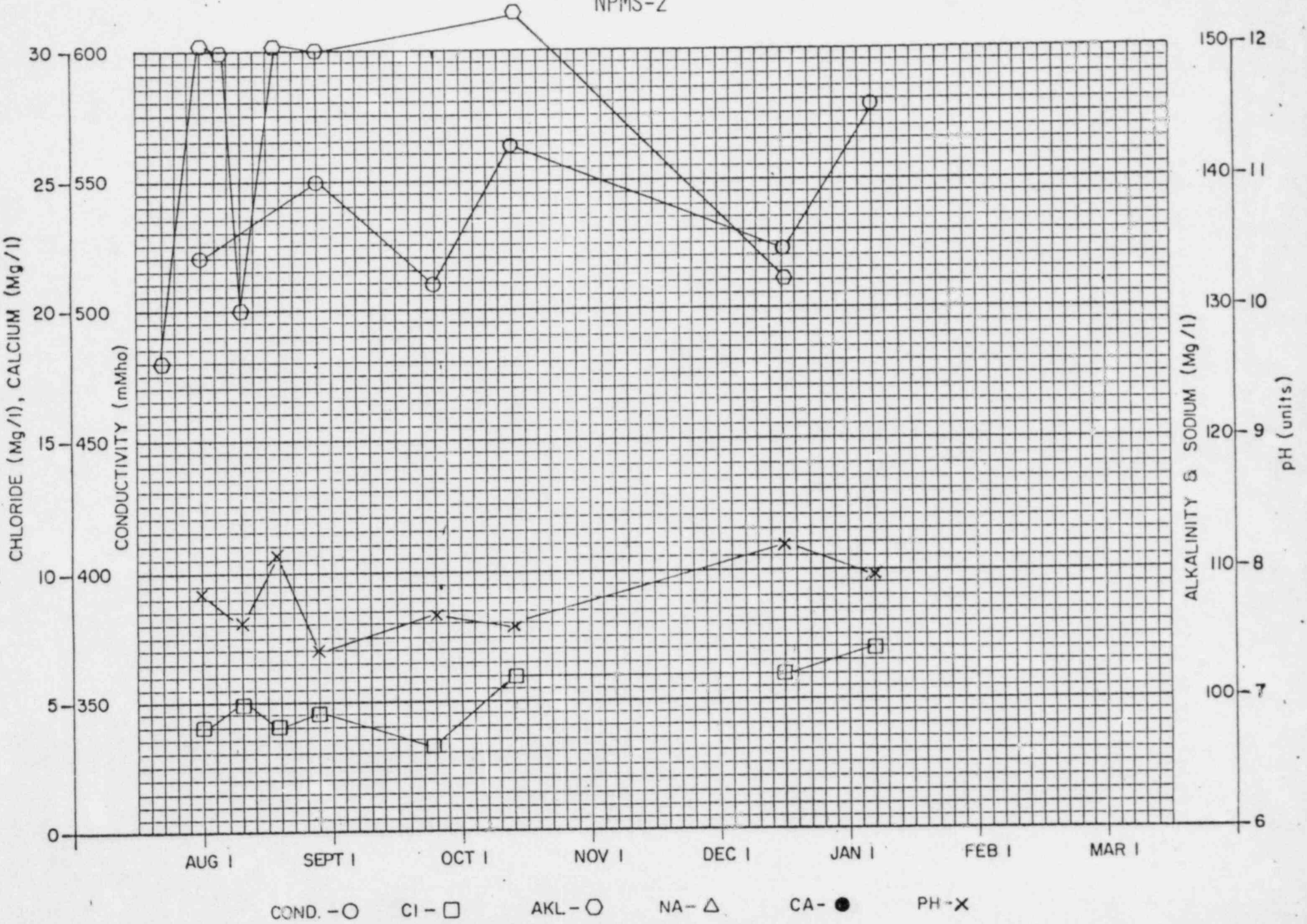
MONITOR WELL
WATER QUALITY GRAPH

NPMS-1

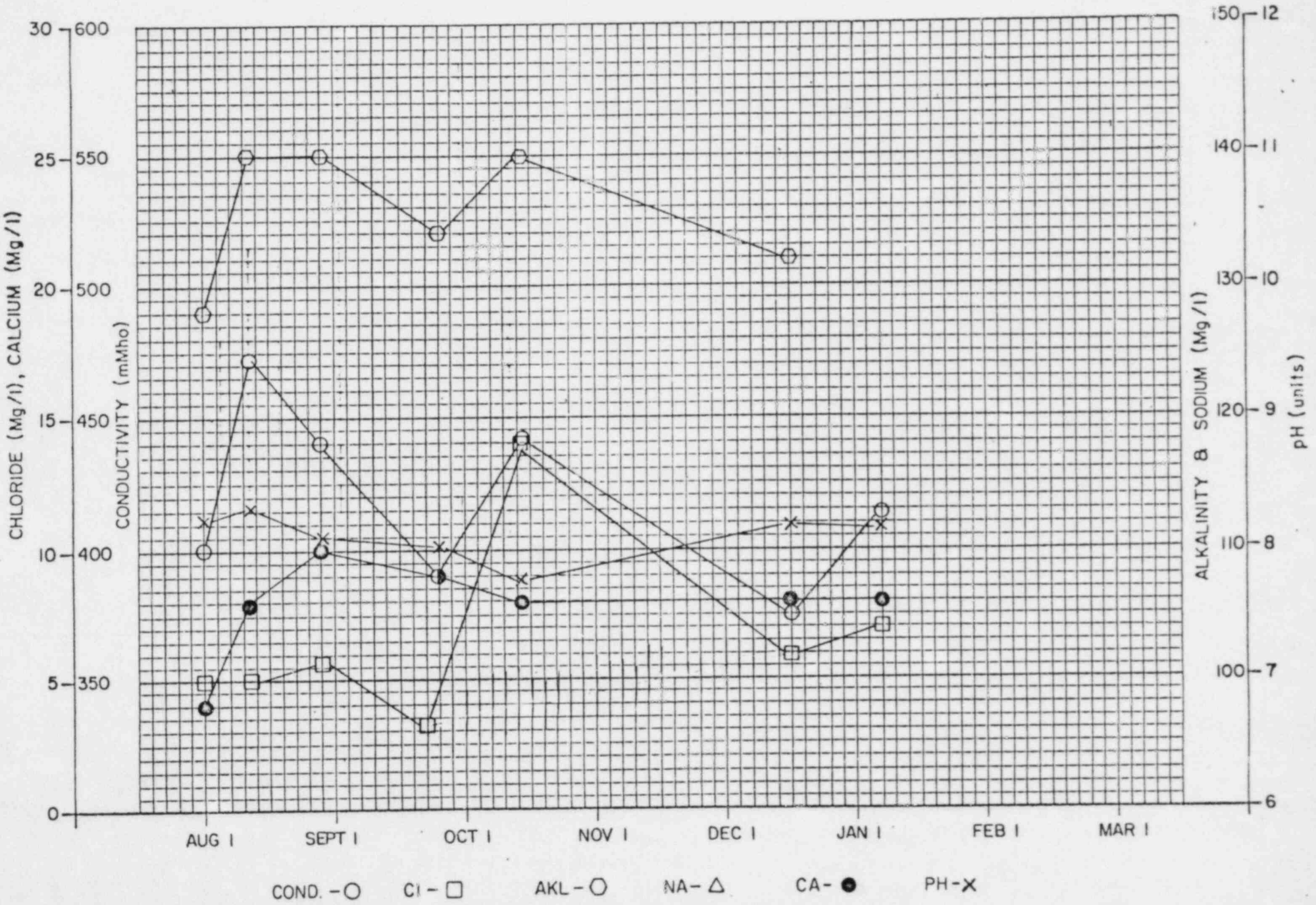


MONITOR WELL
WATER QUALITY GRAPH

NPMS-2



MONITOR WELL
WATER QUALITY GRAPH
NPDM-1



ATTACHMENT G

BLEED WATER QUALITY

M.P. ✓

NOV 19 1982

WAMCO LAB

P. O. Box 2953 - Casper, WY 82602

ANALYSIS REPORT

COMPANY: Uranium Resources

Sample type Water

DATE: November 16, 1982
Date Rec'd 11/10/82
W. O. No. 3668

Analysis in Milligrams per Liter except where Noted

Sample No.	1	2
Uranium (U3O8) PPB	5046	1177
Total Dissolved Solids	584	
Chloride (Cl)	144	
Zinc (Zn)	0.263	
Sulfate (SO4)	75	
Arsenic (As)	0.011	

SAMPLE DESCRIPTION:

3668-1 East Pond 11-9-82
3668-2 P-1 11-9-82

ATTACHMENT H

LIXIVIANT WATER QUALITY

LIXIVIANT CONCENTRATIONS

	BARREN					PREGNANT			
DATE	pH	NCO_3	U	Cl	Ca	pH	HCO_3	U	Cl	Ca
OCTOBER										
15		Down								
16		Down								
17		Down								
18		Down								
19		Down								
20		Down								
21		No injection					266.62	4.1	35.7	28.0
22		No injection				6.16	195.16	4.54	45.01	18.8
23		No injection				6.24	188.84	4.35	36.71	18.4
24		No injection				6.31	273.46	4.07	39.1	25.6
25		No injection				6.70	239.2	4.26	34.74	18.0
26		No injection				6.30	232.9	3.78	38.15	20.0
27		No injection				6.25	254.95	3.23	47.39	27.0
28		No injection				6.35	276.97	2.86		
29		No injection				6.20	268.59	2.52	47.64	24.0
30		No injection				6.24	314.76	2.55	43.0	28.25
31		No injection				6.08	232.9	2.14	45.64	28.00
NOVEMBER										
01										
02										
03										
04										
05						6.38	250.2	1.85	68.8	27.1
06						6.44	248.6	1.58	72.4	25.7
07						6.42	248.6	1.70	84.9	25.4
08						6.37	250.3	1.93	56.2	25.8
09						6.30	248.7	1.72	29.80	24.80
10						6.27	226.6	1.45	31.22	29.80
11						Down				
12						Down				
13						Down				
14						Down				
15						Down				
16										
17										
18						6.40	226.0	3.93	29.77	48.8
|										
30						6.4	50.36	1.79	39.7	32.0
DECEMBER										
01						6.7	251.81	1.86	29.77	19.2
02						6.3	239.92	1.89	31.2	32.8
03										
04						—				
05										
06						6.1	239.2	2.93	33.20	0
07										
08										
09										6.32
10										8.30
11								Mine down		9.44
12										8.65
13										8.44
14										8.56
15										4.90
16						6.3	201.44	4.61	24.44	24.0
17						6.3	188.85	5.50	29.77	21.6
18										
19										
20						6.15	188.85	4.61	29.77	36
21						6.0	188.85	4.79	27.79	20.8
22						6.4	202.46	7.66	29.00	26.46
23						6.5				7.63
24										5.74
25										4.41
26								Mine down		6.92
27										6.39
28										4.37
29										5.25
30						6.4	226.6			6.72
31										1.75
JANUARY										
01										
02										
03										
04										
05										
06	6.2	37.77	0		8					
07	6.6	25.18	.53	4.34	1.4					
08	6.6	18.86	.13	3.66	2.80					
09	6.67	36.46	0	6.48	3.4					
10	Down					7.1	251.81	2.10	20	28.8
11	6.70	43.75	0	5.58	0	6.3	306.37	1.80	33.41	27.73
12	6.65	34.29	0	4.6	0	6.5	317.24	1.33	35.8	26.1
13	7.0	33.57	1.48	.58	0	7.1	305.39	2.21	25.38	30.9
14	6.65	36.0	.13	4.65	2	7.13	295.82	2.09	17.88	29.2
15	RO Down					7.1	251.81	2.10	20	28.8

ATTACHMENT I

ENVIRONMENTAL RADIOLOGICAL MONITORING

Mail P

NOV 2 2 [illegible]

ALARA, Inc. 303-221-2848 P.O. BOX 590 FORT COLLINS, COLORADO 80522

GARD Report For: URANIUM RESOURCES, INC. DOUGLAS, WYOMING

Copies to: SHERYL McART
MARK S. PELIZZA

Report Date: November 16, 1982

This report covers the period from October 05, 1982 through November 10, 1982

	Monitoring Locations	Average Gamma Exposure Rate (mR/day)	(95% CL)*	Average Radon Concentration (pCi/L)	(95% CL)**
1	WEST OF PLANT	0.30	0.03	0.12	0.06
2	PRECIPITATION AREA	1.42	0.15	2.80	1.31
3	PLANT AREA	0.84	0.09	1.29	0.61
4	EAST OF PLANT	0.37	0.04	0.14	0.07

* Based on combined uncertainties for all transit control and gamma TLDs analyzed during the reporting period.

**Based on total uncertainty of individual measurement for single-interval reports; based on standard error of the mean for multiple-interval reports.

ALARA, Inc.

K. Schiager

Keith J. Schiager, Ph.D.
President

ALARA INC SUITE 8 1301 SOUTH COLLEGE AVENUE FORT COLLINS, CO 80524

WESTERN RADIATION CONSULTANTS, INC. Industrial, Medical, Environmental

1306 Winfield Drive
Fort Collins, Colorado 80526
303-221-4118

GARD Report For: URANIUM RESOURCES INC. DOUGLAS WYOMING

Copies to: Sheryl McArt
Mark S. Pelizza

Report Date: 31 December 1982

This report covers the period from November 10, 1982 through December 16, 1982

Monitoring Locations	Average Gamma Exposure Rate (mR/day)	(95% CL)*	Average Radon Concentration (pCi/L)	(95% CL)**
1 WEST OF PLANT	0.29	0.03	0.03	0.03
2 PRECIPITATION AREA	0.63	0.07	0.36	0.18
3 PLANT AREA	0.39	0.04	0.45	0.22
4 EAST OF PLANT	0.28	0.03	0.21	0.10

*Based on combined uncertainties for all transit control and gamma TLD's analyzed during the reporting period.

**Based on total uncertainty of individual measurement for single-interval reports; based on standard error of the mean for multiple-interval reports.

Western Radiation Consultants

Janet A. Johnson
President

James E. Johnson, Ph.D., Certified Health Physicist Janet A. Johnson, M.S., Certified Health Physicist Hilding G. Olson, Ph.D., Nuclear Engineer, P.E.
Eugene L. Pautler, Ph.D., Biophysicist F. Ward Whicker, Ph.D., Radioecologist

WESTERN RADIATION CONSULTANTS, INC. Industrial, Medical, Environmental

1306 Winfield Drive
Fort Collins, Colorado 80526
303-221-4118

GARD Report For: URANIUM RESOURCES INC. DOUGLAS WYOMING

Copies to: Sheryl McArt
Mark S. Pelizza

Report Date: 25 January 1983

This report covers the period from December 16, 1982 through January 13, 1983

Monitoring Locations	Average Gamma Exposure Rate (mR/day)	(95% CL)*	Average Radon Concentration (pCi/L)	(95% CL)**
1 WEST OF PLANT	0.25	0.03	0.08	0.05
2 PRECIPITATION AREA	0.90	0.09	1.47	0.69
3 PLANT AREA	0.76	0.08	5.48	2.54
4 EAST OF PLANT	0.23	0.03	0.12	0.07

*Based on combined uncertainties for all transit control and gamma TLD's analyzed during the reporting period.

**Based on total uncertainty of individual measurement for single-interval reports; based on standard error of the mean for multiple-interval reports.

Western Radiation Consultants

Janet A. Johnson

Janet A. Johnson
President

James E. Johnson, Ph.D., Certified Health Physicist Janet A. Johnson, M.S., Certified Health Physicist Hilding G. Olson, Ph.D., Nuclear Engineer, P.E.
Eugene L. Pautler, Ph.D., Biophysicist F. Ward Whicker, Ph.D., Radioecologist

WESTERN RADIATION CONSULTANTS, INC. Industrial, Medical, Environmental

1306 Winfield Drive
Fort Collins, Colorado 80526
303-221-4118

QUARTERLY REPORT

GARD Report For: URANIUM RESOURCES INC. DOUGLAS WYOMING

Copies to: Sheryl McArt
Mark S. Pelizza

Report Date: 25 January 1983

This report covers the period from October 05, 1982 through January 13, 1983

Monitoring Locations	Average Gamma Exposure Rate (mR/day)	(95% CL)*	Average Radon Concentration (pCi/L)	(95% CL)**
1 WEST OF PLANT	0.28	0.03	0.07	0.01
2 PRECIPITATION AREA	1.00	0.10	1.57	0.52
3 PLANT AREA	0.66	0.06	2.17	0.81
4 EAST OF PLANT	0.30	0.03	0.16	0.02

*Based on combined uncertainties for all transit control and gamma TLD's analyzed during the reporting period.

**Based on total uncertainty of individual measurement for single-interval reports; based on standard error of the mean for multiple-interval reports.

Western Radiation Consultants

Janet A. Johnson
President

James E. Johnson, Ph.D., Certified Health Physicist Janet A. Johnson, M.S., Certified Health Physicist Hilding G. Olson, Ph.D., Nuclear Engineer, P.E.
Eugene L. Pautler, Ph.D., Biophysicist F. Ward Whicker, Ph.D., Radioecologist

WESTERN RADIATION CONSULTANTS, INC. Industrial, Medical, Environmental

1306 Winfield Drive
Fort Collins, Colorado 80526
303-221-4118

GWRD Report For: URANIUM RESOURCES INC. DOUGLAS WYOMING

Copies to: Sheryl McArt
Mark S. Pelizza

Report Date: 19 February 1983

This report covers the period from January 13, 1983 through February 04, 1983

Monitoring Locations	Average Gamma Exposure Rate (mR/day)	(95% CL)*	Average Radon Concentration (pCi/L)	(95% CL)**
1 WEST OF PLANT	0.19	0.04	0.17	0.10
2 PRECIPITATION AREA	0.93	0.10	4.66	2.16
3 PLANT AREA	0.77	0.09	14.41	6.67
4 EAST OF PLANT	0.15	0.03	0.35	0.18

*Based on combined uncertainties for all transit control and gamma TLD's analyzed during the reporting period.

**Based on total uncertainty of individual measurement for single-interval reports; based on standard error of the mean for multiple-interval reports.

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