NORTHWEST
ENVIRONMENTAL SERVICES, INC.
P.O. Box 401 • Alton, Iowa 51003

Site Monitoring Report (SMR)
November 13, 2014

Former Benjamin Station & Woodbury Central School District Sites
Climbing Hill, Iowa

LUST No. 8LTU14/7LTV89
UST Registration No. 9217516/8811618

IDNR *Site Monitoring Report for Leaking Underground Storage Tank Sites* *Iowa Department of Natural Resources* IDNR

SITE IDENTIFICATION

LUST No.	8LTU14	**UST Registration No.**	9217516

Site Name:	Former Benjamin Station
Site Address:	29 Deer Run Trail
City:	Climbing Hill

RESPONSIBLE PARTY IDENTIFICATION

Name:	Pat Benjamin		Phone #:
Street:	County Road K64		
City:	Climbing Hill	State: IA	Zip Code: 51015

Type of Monitoring: [ ] Low Risk [X] High Risk: Interim [ ] Exempt Granular Bedrock

Is site reclassification recommended? Yes (No) If yes, what classification? [ ] NAR [ ] low risk [ ] high risk

STATEMENT OF CERTIFICATION

I, Grant Nelson, Groundwater Professional Certification No. 2088, am familar with all applicable requirements of Iowa Code § 455B.474 and all rules and procedures adopted thereunder including, but not limited to, Chapter 567-135 and the Department of Natural Resources' Site Monitoring Report guidance. Based on my knowledge of those documents and information I have prepared and reviewed regarding this site, UST Registration No. 9217516, LUST No. 8LTU14, I certify that this document is complete and accurate as provided in 567 IAC 135.9(11)"c" and meets the applicable requirements of the Site Monitoring Report.

Print: Name/Address/Phone # of Certified Groundwater Professional

Grant Nelson
Northwest Environmental Services, Inc.
P.O. Box 401
Alton, IA 51003

Signature:
Phone #: (712) 756-4732
Date: 11-13-14

I certify that I have reviewed this document, appendices and attachments for submittal to the Iowa Department of Natural Resources.

Pat Benjamin
Print: Name of Responsible Party

Signature - Responsible Party

Official IDNR Use Only

Date Received:	03/18/15	Comment Letter Date:	
Reviewer:		Approved:	Y / N

Version 2.5E - June 2002

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IDNR *Site Monitoring Report for Leaking Underground Storage Tank Sites* *Iowa Department of Natural Resources* IDNR

SITE IDENTIFICATION

LUST No.	7LTV89	**UST Registration No.**	8811618

Site Name:	Woodbury Central School District
Site Address:	79 Deer Run Trail
City:	Climbing Hill

RESPONSIBLE PARTY IDENTIFICATION

Name:	Woodbury Central School District		Phone #:
Street:	PO Box AJ		
City:	Moville	State: IA	Zip Code: 51039

Type of Monitoring: [ ] Low Risk [X] High Risk: Interim [ ] Exempt Granular Bedrock

Is site reclassification recommended? Yes / (No) If yes, what classification? [ ] NAR [ ] low risk [ ] high risk

STATEMENT OF CERTIFICATION

I, Grant Nelson, Groundwater Professional Certification No. 2088, am familar with all applicable requirements of Iowa Code § 455B.474 and all rules and procedures adopted thereunder including, but not limited to, Chapter 567-135 and the Department of Natural Resources' Site Monitoring Report guidance. Based on my knowledge of those documents and information I have prepared and reviewed regarding this site, UST Registration No. 8811618, LUST No. 7LTV89, I certify that this document is complete and accurate as provided in 567 IAC 135.9(11)"c" and meets the applicable requirements of the Site Monitoring Report.

Print: Name/Address/Phone # of Certified Groundwater Professional

Grant Nelson
Northwest Environmental
PO Box 401
Alton, IA 51003

Signature:
Phone #: 712-756-4732
Date: 11-13-14

I certify that I have reviewed this document, appendices and attachments for submittal to the Iowa Department of Natural Resources.

Woodbury Central School District
Print: Name of Responsible Party

Signature - Responsible Party

Official IDNR Use Only

Date Received:		Comment Letter Date:	
Reviewer:		Approved:	Y / N

Version 2.51 - June 2002

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Site Monitoring Report Checklist

This checklist is for Site Monitoring Reports prepared using Tier 2 software-version 2.51 and later, and applies to the following types of monitoring: **Low risk or High risk: Interim at non-bedrock and exempt granular bedrock sites.** Indicate with "NA" those sections of the report which are not included because they do not apply to site-specific conditions.

REPORT BODY: **Page Number**

[X] Cover sheet ____ 1
[X] SMR checklist page ____ 2
[X] Receptor summary tables ____ 3,4,5
[X] Potential receptor summary ____ 6
[X] Receptor status change ____ 7
[X] Site reclassification ____ 7
[X] Groundwater analytical data ____ 8
[ ] Soil analytical data ____ 9
[ ] Soil gas analytical data ____ 10
[ ] Soil SSTL tables ____ 11
[X] Groundwater / Soil Leaching monitoring plan summary ____ 12
[ ] Soil gas monitoring plan summary ____ 13
[ ] Soil Gas Samples at Tier 2 Soil Sources ____ 15
[ ] Soil Gas Samples at Tier 2 Groundwater Sources ____ 16
[ ] Corrections to Tier 2 Deficiencies Included ____ 17

APPENDICES:

[X] 1. Evaluation of analytical data
[X] 2. Site plan map
[X] 3. Site vicinity map
[ ] 4. Soil summary corrective action map
[ ] 5. Soil contamination / soil gas map(s)
[X] 6. Groundwater summary corrective action map
[X] 7. Groundwater monitoring results map
[X] 8. Groundwater contamination map (from SMR software)
[X] 9. Groundwater flow direction map
[X] 10. Analytical data sheets
[ ] 11. Boring Logs / monitoring well construction diagrams
[X] 12. Documentation
[ ] 13. Best management practices (Initial SMR only)

[ ] Computer Disk

SMR, GROUNDWATER SOURCE, RECEPTOR SUMMARY TABLE

	B	T	E	X	D	W
SMR, SOIL GAS AT GW SOURCE, USER				--		--
SOIL GAS AT GW SOURCE, DATA	NS	NS	NS	--	NS	--

Type	Receptor	Tier 2 Risk	Last Risk	T2(*) or Computed Risk						Corr. Action Taken?	Corrective Action(s) Completed	Current Risk
				Group1				TEH				
				B	T	E	X	D	W			
DWW	DWW-9, Bank Well	H	H	H	N*	N*	N*	H	N	N		H
DWW	DWW-12, Church	H	L	N*	N*	N*	N*	L*	N	N		L
DWW	DWW-13, East Asso	H	L	L	N*	N*	N*	N*	N	N		L

N: no action required, L: low risk, H: high risk, N/A: not applicable, NSC: No source concentration, N(SG): Passed soil gas at SMR.
PE: Tier 2 preliminary pathway evaluation result. *: Risk shown is Tier 2 risk classification. Not sufficient data for risk reclassification or risk reclassification criteria for N, L or H have not been met.

Corrective Actions:
1. Plugged drinking water wells
2. Plugged non-drinking water wells
3. Notified IDNR Water Supply Section
4. Notified designated county authority
5. Notified sanitary sewer public authority
6. Notified utility company-plastic water line
7. Relocated plastic water lines
8. Replaced plastic water lines
9. Established institutional controls
10. Conducted soil excavation
11. Cleared with soil gas
12. Zoning
13. For actual PWL, GW > 3 feet

SMR, SOIL LEACHING, RECEPTOR SUMMARY TABLE

	B	T	E	X	D	W
SMR, SOIL GAS AT SOIL SOURCE, USER				--		--
SOIL GAS AT SOIL SOURCE, DATA	NS	NS	NS	--	NS	--
SUBMERGED SOIL SOURCE	???	???	???	--	???	--

Type	Receptor	Tier 2 Risk	Last Risk	T2(*) or Computed Risk						Corr. Action Taken?	Corrective Action(s) Completed	Current Risk
				Group1				TEH				
				B	T	E	X	D	W			

For actual receptors, only Tier 2 risk shown for chemicals. For potential, reclassification uses groundwater in vicinity of the soil source.
N: No action required, or no receptors present for potential receptors. N(1): Soil source <=Tier 2 Default.
N(2): Modeled GW at Soil Source<=GW TL. N(3): Modeled GW at Receptor<=GW TL. N(4): Chemical not applicable for GW.
N/A: Chemical not applicable for soil. L: low risk. H: high risk. NSC: no source concentration. N(SG): passed soil gas at SMR.
PE: Tier 2 preliminary pathway evaluation result. *: Tier 2 risk classification result.
L or H: For PGWS, monitoring well(s) needed in vicinity of soil source to complete risk classification.

Corrective Actions:		
		9. Established institutional controls
1. Plugged drinking water wells	5. Notified sanitary sewer public authority	10. Conducted soil excavation
2. Plugged non-drinking water wells	6. Notified utility company-plastic water line	11. Cleared with soil gas
3. Notified IDNR Water Supply Section	7. Relocated plastic water lines	12. Zoning
4. Notified designated county authority	8. Replaced plastic water lines	13. For actual PWL, GW > 3 feet

SMR, SOIL VAPOR, SOIL TO PLASTIC WATER LINE, RECEPTOR SUMMARY TABLE

	B	T	E	D
SMR, SOIL GAS AT SOIL SOURCE, USER				
SOIL GAS AT SOIL SOURCE, DATA	NS	NS	NS	NS
SUBMERGED SOIL SOURCE	???	???	???	???

Type	Receptor	Tier 2 Risk	Last Risk	Tier 2 Risk Group1 B	T	E	TEH D	Corr. Action Taken?	Corrective Action(s) Completed	Current Risk

Tier 2 risk classification shown for chemicals.
N: no action required. L: low risk. H: high risk. N/A: chemical is not applicable. NSC: No source concentration. N(SG): Passed soil gas at SMR.
PE: Tier 2 preliminary evaluation result.

Corrective Actions:

1. Plugged drinking water wells
2. Plugged non-drinking water wells
3. Notified IDNR Water Supply Section
4. Notified designated county authority
5. Notified sanitary sewer public authority
6. Notified utility company-plastic water line
7. Relocated plastic water lines
8. Replaced plastic water lines
9. Established institutional controls
10. Conducted soil excavation
11. Cleared with soil gas
12. Zoning
13. For actual PWL, GW > 3 feet

Potential Receptor Summary **SMR,V-2.51, 8LTU14**

Surveys for new, removed, and replaced receptors must be conducted within the larger area of either 1) the receptor identification plume for the appropriate receptor type; or 2) the receptor-specific distance listed in brackets below.

Receptor questions	Yes/ No	Contact Name/Company Name/ Complete Address	Contact Phone #	Date
New drinking water well(s)? [1,000']	No	1) https://facilityexplorer.iowadnr.gov/ FacilityExplorer/Default.aspx , , 2) Michelle Clausen Rosendahl Siouxland District Health Department 1014 Nebraksa Street Sioux City, Iowa, 51101	(515) 281-5918 (712) 279-6119	10/16/2014 10/16/2014
New non-drinking water well(s)? [1,000']	No	1) https://facilityexplorer.iowadnr.gov/ FacilityExplorer/Default.aspx , , 2) Michelle Clausen Rosendahl Siouxland District Health Department 1014 Nebraksa Street Sioux City, Iowa, 51101	(515) 281-5918 (712) 279-6119	10/16/2014 10/16/2014
Plugged drinking water well(s)? [1,000']	No	1) https://facilityexplorer.iowadnr.gov/ FacilityExplorer/Default.aspx , , 2) Michelle Clausen Rosendahl Siouxland District Health Department 1014 Nebraksa Street Sioux City, Iowa, 51101	(515) 281-5918 (712) 279-6119	10/16/2014 10/16/2014
Plugged non-drinking water well(s)? [1,000']	No	1) https://facilityexplorer.iowadnr.gov/ FacilityExplorer/Default.aspx , , 2) Michelle Clausen Rosendahl Siouxland District Health Department 1014 Nebraksa Street Sioux City, Iowa, 51101	(515) 281-5918 (712) 279-6119	10/16/2014 10/16/2014
New plastic water lines(s)? [200']	No	Michelle Clausen Rosendahl Siouxland District Health Department 1014 Nebraksa Street Sioux City, Iowa, 51101	(712) 279-6119	10/16/2014
Replaced or relocated plastic water line(s)? [200']	No	Michelle Clausen Rosendahl Siouxland District Health Department 1014 Nebraksa Street Sioux City, Iowa, 51101	(712) 279-6119	10/16/2014
New sanitary sewer(s)? [200']	No	Michelle Clausen Rosendahl Siouxland District Health Department 1014 Nebraksa Street Sioux City, Iowa, 51101	(712) 279-6119	10/16/2014
Replaced or relocated sanitary sewer(s)? [200']	No	Michelle Clausen Rosendahl Siouxland District Health Department 1014 Nebraksa Street Sioux City, Iowa, 51101	(712) 279-6119	10/16/2014

Potential Receptor Summary **SMR,V-2.51, 8LTU14**

Surveys for new, removed, and replaced receptors must be conducted within the larger area of either 1) the receptor identification plume for the appropriate receptor type; or 2) the receptor-specific distance listed in brackets below.

Receptor questions	Yes/ No	Contact Name/Company Name/ Complete Address	Contact Phone #	Date
New building(s) with basements? [200']	No	Grant Nelson Northwest Environmental Services, Inc. P.O. Box 401 Alton, Iowa, 51003	(712) 756-4732	10/16/2014
Building(s) with basement(s) removed? [200']	No	Grant Nelson Northwest Environmental Services, Inc. P.O. Box 401 Alton, Iowa, 51003	(712) 756-4732	10/16/2014
Zoning changes? [200']	No	Peggy Napier Woobury County Planning and Zoning 620 Douglas Street Sioux City, Iowa, 51101	712 279-6557	10/13/2014

Receptors: Status change	**SMR,V-2.51, 8LTU14**
List and describe all receptors whose status has changed since the previous receptor evaluation (e.g. Private Well A was plugged/water supply notification form was sent to the proper authorities; new hourses were built; etc.). On 09/26/2014 a 300' pedestrian survey was performed and the status of the receptors has not changed.	

Site Reclassification	**SMR,V-2.51, 8LTU14**
Should the site be reclassified? [X] No [ ] Yes If yes, the site should be reclassified as: [ ] High Risk [ ] Low Risk [ ] No Action Required	
If reclassification is recommended, provide the justification for reclassification and provide all necessary documentation in Appendix 12.	

SMR Groundwater Analytical Data (ug/L), V-2.51, 8LTU14													
Boring / Well #	Date Sampled	Elevations (ASL)				Group 1				Group 2		FP Type	FP Default?
		Ground	TOC	TOS	SWL	B	T	E	X	TEH-D	TEH-WO		
B-1	07/23/1991	1,127.30	N	N	N	700.	1,985.	450.	3,345.	N	N	N	N
MW-2	07/25/1991	1,127.40	1,127.16	1,099.41	1,092.58	850.	1,090.	340.	1,410.	N	N	N	N
MW-2A	05/04/2000	1,127.30	1,126.58	1,099.50	1,095.33	225.	146.	344.	351.	N	N	N	N
MW-2A	03/28/2001	1,127.30	1,126.58	1,099.50	1,095.92	481.	35.	1,850.	454.	N	N	N	N
MW-2A	07/18/2002	1,127.30	1,126.58	1,099.50	1,097.04	185.	26.7	954.	283.	N	N	N	N
MW-2A	10/25/2003	1,127.30	1,126.58	1,099.50	1,096.26	152.	12.5	1,060.	144.	N	N	N	N
MW-2A	07/10/2004	1,127.30	1,126.58	1,099.50	1,097.34	51.5	13.6	398.	164.	N	N	N	N
MW-2A	12/12/2009	1,127.30	1,126.58	1,099.50	1,098.27	12.8	<1.	383.	143.	1,910.	<300.	N	N
MW-2A	10/05/2011	1,127.30	1,126.58	1,099.50	1,100.11	2.98	<1.	118.	113.	1,320.	<300.	N	N
MW-2A	08/29/2012	1,127.30	1,126.58	1,099.50	1,098.62	<2.	3.1	27.1	39.3	637.	338.	N	N
MW-2A	09/23/2013	1,127.30	1,126.58	1,099.50	1,097.38	1.07	<1.	16.8	<3.	811.	<300.	N	N
MW-2A	10/11/2014	1,127.30	1,126.58	1,099.50	1,101.31	<0.5	<1.	23.1	127.	414.	538.	N	N
MW-6	09/23/1991	1,127.40	1,127.11	1,099.36	1,092.51	<1.	8.	<1.	11.	N	N	N	N
MW-6	04/22/2010	1,127.70	1,127.41	1,099.36	1,100.14	<1.	<1.	<1.	<3.	<333.	<333.	N	N
MW-6	10/11/2014	1,127.70	1,127.41	1,099.36	1,101.72	<0.5	<1.	<1.	<3.	<278.	<278.	N	N
MW-16	12/18/1991	1,127.70	1,127.48	1,063.73	1,092.28	5.	21.	<2.	2.	N	N	N	N
MW-16	01/02/1992	1,127.70	1,127.48	1,063.73	1,092.28	8.	4.	<2.	2.	N	N	N	N
MW-16	05/03/2000	1,127.70	1,127.48	1,063.73	1,095.88	<1.	<1.	<1.	<3.	N	N	N	N
MW-16	12/12/2009	1,127.80	1,127.52	1,063.73	1,098.40	<1.	<1.	<1.	<3.	<300.	313.	N	N
MW-16	04/29/2010	1,127.80	1,127.52	1,063.73	1,099.79	1.58	<1.	<1.	<3.	303.	409.	N	N
MW-16	10/05/2011	1,127.80	1,127.52	1,063.73	1,100.23	<1.	<1.	<1.	<3.	<300.	<300.	N	N
MW-16	08/29/2012	1,127.80	1,127.52	1,063.73	1,098.53	<2.	<2.	<2.	<3.	<300.	<300.	N	N
MW-16	09/23/2013	1,127.80	1,127.52	1,063.73	1,097.56	<0.5	<1.	<1.	<3.	<288.	<288.	N	N
MW-16	09/26/2014	1,127.80	1,127.52	1,063.73	1,102.11	<0.5	<1.	<1.	<3.	<278.	<278.	N	N
MW-21	01/18/1993	1,127.40	1,126.66	1,101.35	1,094.50	755.	845.	1,242.	4,052.	N	N	N	N
MW-21	12/07/1993	1,127.40	1,126.66	1,101.40	1,095.63	<1.	3.	<1.	3.	N	N	N	N
MW-21A	05/04/2000	1,127.40	1,126.66	1,099.60	1,095.80	1.1	<1.	9.2	<3.	N	N	N	N
MW-21A	03/28/2001	1,127.40	1,126.66	1,099.60	1,095.89	1.2	<1.	2.	<3.	N	N	N	N
MW-21A	07/18/2002	1,127.40	1,126.66	1,099.60	1,097.04	<1.	<1.	<1.	<3.	N	N	N	N
MW-21A	03/18/2003	1,127.40	1,126.66	1,101.40	N	189.	23.4	896.	330.	4,010.	<380.	N	N
MW-21A	12/12/2009	1,127.40	1,126.66	1,099.60	1,098.49	<1.	<1.	<1.	<3.	<300.	<300.	N	N
MW-21A	10/05/2011	1,127.40	1,126.66	1,099.60	1,100.22	<1.	<1.	<1.	<3.	<300.	<300.	N	N
MW-21A	08/29/2012	1,127.40	1,126.66	1,099.60	1,098.61	<2.	<2.	<2.	<3.	<300.	569.	N	N
MW-21A	09/23/2013	1,127.40	1,126.66	1,099.60	1,097.42	<0.5	<1.	<1.	<3.	<300.	569.	N	N
MW-21A	10/11/2014	1,127.40	1,126.66	1,099.60	1,101.36	<0.5	<1.	<1.	<3.	<278.	<278.	N	N
MW-103	01/13/1994	1,133.40	1,132.99	1,105.40	1,095.40	<2.	81.	22.	170.	N	N	N	N
MW-103	07/16/1997	1,133.40	1,132.99	1,105.40	1,100.97	<1.	<1.	<1.	<1.	N	N	N	N

SMR Groundwater Analytical Data (ug/L), V-2.51, 8LTU14													
Boring / Well #	Date Sampled	Elevations (ASL)				Group 1				Group 2		FP Type	FP Default?
		Ground	TOC	TOS	SWL	B	T	E	X	TEH-D	TEH-WO		
MW-103	09/16/1997	1,133.40	1,132.99	1,105.40	1,100.65	N	N	N	N	<100.	<100.	N	N
MW-103	03/19/2003	1,133.40	1,132.99	1,105.40	1,099.69	<1.	<1.	<1.	<3.	<380.	<380.	N	N
MW-103	10/05/2011	1,133.40	1,132.99	1,105.40	1,104.98	<1.	<1.	<1.	<3.	<300.	<300.	N	N
MW-103	08/29/2012	1,133.40	1,132.99	1,105.40	1,103.33	<2.	<2.	<2.	<3.	<300.	<300.	N	N
MW-103	09/23/2013	1,133.40	1,132.99	1,105.40	1,101.99	<0.5	<1.	<1.	<3.	<288.	<288.	N	N
MW-103	09/26/2014	1,133.40	1,132.99	1,105.40	1,105.70	<0.5	<1.	<1.	<3.	<278.	<278.	N	N
MW-117	12/01/1995	1,129.90	1,129.65	1,106.90	1,098.99	7,900.	890.	1,500.	3,400.	N	N	N	N
MW-117	07/16/1997	1,129.90	1,129.65	1,106.90	1,101.05	7,000.	221.	1,300.	5,130.	N	N	N	N
MW-117	09/16/1997	1,129.90	1,129.65	1,106.90	1,100.25	N	N	N	N	88,000.	<100.	N	N
MW-117	12/02/1998	1,129.90	1,129.65	1,106.90	1,100.84	8,890.	304.	1,350.	4,120.	109,000.	<100.	N	N
MW-117	07/09/1999	1,129.90	1,129.65	1,106.90	1,101.46	12,500.	98.5	1,590.	5,110.	<100.	<100.	N	N
MW-117	12/16/1999	1,129.90	1,129.65	1,106.90	1,100.79	13,300.	119.	1,790.	5,090.	<100.	<100.	N	N
MW-117	07/11/2000	1,129.90	1,129.65	1,106.90	1,099.54	12,700.	286.	2,220.	6,160.	45,600.	<100.	N	N
MW-117	01/24/2001	1,129.90	1,129.65	1,106.90	1,098.71	17,600.	775.	2,730.	7,340.	<100.	<100.	N	N
MW-117	07/26/2001	1,129.90	1,129.65	1,106.90	1,100.63	14,100.	584.	2,170.	4,950.	<100.	<100.	N	N
MW-117	02/20/2002	1,129.90	1,129.65	1,106.90	1,099.25	11,000.	1,120.	2,110.	5,130.	<100.	<100.	N	N
MW-117	08/27/2002	1,129.90	1,129.65	1,106.90	1,100.82	8,490.	1,580.	1,670.	4,300.	35,200.	3,160.	N	N
MW-117	03/19/2003	1,129.90	1,129.65	1,106.90	1,099.74	7,980.	1,240.	1,830.	4,780.	30,100.	3,010.	N	N
MW-117	01/20/2004	1,129.90	1,129.65	1,106.90	1,099.45	7,630.	2,250.	2,260.	6,280.	31,400.	3,040.	N	N
MW-117	12/08/2004	1,129.90	1,129.65	1,106.90	1,100.04	7,490.	3,190.	2,560.	6,580.	31,800.	2,970.	N	N
MW-117	08/10/2005	1,129.90	1,129.65	1,106.90	1,100.10	8,500.	4,900.	2,300.	7,000.	3,500.	5,300.	N	N
MW-117	08/15/2006	1,129.90	1,129.65	1,106.90	1,098.56	8,190.	6,900.	2,920.	8,660.	20,000.	1,540.	N	N
MW-117	12/16/2009	1,129.90	1,129.65	1,106.90	1,102.41	5,120.	9,180.	3,210.	10,400.	33,500.	3,420.	N	N
MW-117	10/05/2011	1,129.90	1,129.65	1,106.90	1,104.94	8,260.	24,600.	3,060.	10,900.	44,000.	6,820.	N	N
MW-117	08/29/2012	1,129.90	1,129.65	1,106.90	1,103.54	8,240.	34,000.	3,290.	11,300.	22,600.	3,340.	N	N
MW-117	09/23/2013	1,129.90	1,129.65	1,106.90	1,102.27	11,800.	46,700.	3,990.	14,900.	2,980.	513.	N	N
MW-117	09/26/2014	1,129.90	1,129.65	1,106.90	1,106.17	8,920.	28,400.	2,460.	9,410.	<278.	<278.	N	N
MW-20	02/20/1992	1,129.10	1,128.80	1,097.05	1,094.57	181.	<2.	<2.	1,882.	N	N	N	N
MW-118	12/01/1995	1,129.10	1,128.94	1,106.10	1,098.15	23.	110.	41.	1,300.	N	N	N	N
MW-118	07/16/1997	1,129.10	1,128.94	1,106.10	1,100.21	68.	47.	13.	143.	N	N	N	N
MW-118	09/16/1997	1,129.10	1,128.94	1,106.10	1,099.78	N	N	N	N	4,000.	<100.	N	N
MW-118	12/02/1998	1,129.10	1,128.94	1,106.10	1,099.01	10.	17.7	3.	30.	1,920.	<100.	N	N
MW-118	07/08/1999	1,129.10	1,128.94	1,106.10	1,100.70	4.4	<1.	<1.	39.5	<100.	<100.	N	N
MW-118	12/16/1999	1,129.10	1,128.94	1,106.10	1,099.80	5.7	1.2	<1.	64.9	<100.	<100.	N	N
MW-118	07/11/2000	1,129.10	1,128.94	1,106.10	1,098.39	5.	1.9	<1.	68.4	<100.	<100.	N	N
MW-118	01/24/2001	1,129.10	1,128.94	1,106.10	1,097.78	5.8	1.9	<1.	74.1	<100.	<100.	N	N
MW-118	07/26/2001	1,129.10	1,128.94	1,106.10	1,099.85	32.	13.	3.	56.	1,600.	<100.	N	N

SMR Groundwater Analytical Data (ug/L), V-2.51, 8LTU14													
Boring / Well #	Date Sampled	Elevations (ASL)				Group 1				Group 2		FP Type	FP Default?
		Ground	TOC	TOS	SWL	B	T	E	X	TEH-D	TEH-WO		
MW-118	02/20/2002	1,129.10	1,128.94	1,106.10	1,098.27	38.	16.	4.	56.	<100.	<100.	N	N
MW-118	08/27/2002	1,129.10	1,128.94	1,106.10	1,100.05	3.4	<2.	15.1	40.6	1,530.	<380.	N	N
MW-118	03/19/2003	1,129.10	1,128.94	1,106.10	1,098.77	<5.	<5.	<5.	47.	3,240.	<380.	N	N
MW-118	01/20/2004	1,129.10	1,128.94	1,106.10	1,098.49	2.5	1.3	<1.	39.8	2,120.	<380.	N	N
MW-118	12/08/2004	1,129.10	1,128.94	1,106.10	1,099.13	4.2	17.6	3.2	49.6	1,540.	<380.	N	N
MW-118	08/10/2005	1,129.10	1,128.94	1,106.10	1,099.34	1.1	<5.	<1.	11.	<100.	<250.	N	N
MW-118	12/12/2009	1,129.10	1,128.94	1,106.10	1,101.60	1.31	<1.	<1.	<3.	350.	<300.	N	N
MW-118	10/05/2011	1,129.10	1,128.94	1,106.10	1,103.92	<1.	<1.	<1.	<3.	<300.	<300.	N	N
MW-118	08/29/2012	1,129.10	1,128.94	1,106.10	1,102.42	<2.	2.02	<2.	<3.	<300.	<300.	N	N
MW-118	09/23/2013	1,129.10	1,128.94	1,106.10	1,101.13	<0.5	<1.	<1.	<3.	<288.	289.	N	N
MW-118	09/26/2014	1,129.10	1,128.94	1,105.17	1,101.13	<0.5	<1.	<1.	<3.	<278.	<278.	N	N
MW-119	12/01/1995	1,128.30	1,127.93	1,105.30	1,097.21	50.	98.	120.	440.	N	N	N	N
MW-119	09/16/1997	1,128.30	1,127.93	1,105.30	1,098.83	N	N	N	N	<100.	<100.	N	N
MW-119	12/02/1998	1,128.30	1,127.93	1,105.30	1,098.83	161.	84.5	416.	660.	26,100.	<100.	N	N
MW-119	07/08/1999	1,128.30	1,127.93	1,105.30	1,099.68	215.	111.	384.	570.	<100.	<100.	N	N
MW-119R	08/15/2001	1,128.26	1,127.59	1,107.59	1,098.63	47.	52.	91.	312.	<100.	<100.	N	N
MW-119R	02/20/2002	1,128.26	1,127.59	1,107.59	1,097.16	224.	69.	330.	421.	10,800.	<100.	N	N
MW-119R	08/27/2002	1,128.26	1,127.59	1,107.59	1,099.00	34.6	10.9	44.6	71.8	3,560.	<380.	N	N
MW-119R	03/19/2003	1,128.26	1,127.59	1,107.59	1,097.65	80.	24.	144.	158.	7,660.	<380.	N	N
MW-119R	01/20/2004	1,128.26	1,127.59	1,107.59	1,097.36	205.	36.8	345.	278.	12,100.	400.	N	N
MW-119R	12/08/2004	1,128.26	1,127.59	1,107.59	1,098.00	110.	27.8	150.	130.	6,160.	<380.	N	N
MW-119R	08/10/2005	1,128.26	1,127.59	1,107.59	1,098.33	28.	<25.	36.	35.	<100.	260.	N	N
MW-119R	08/15/2006	1,128.26	1,127.59	1,107.59	1,096.81	87.	41.7	155.	205.	2,790.	<300.	N	N
MW-119R	04/22/2010	1,128.26	1,127.59	1,107.59	1,101.06	126.	216.	549.	2,050.	26,500.	1,860.	N	N
MW-119R	10/05/2011	1,128.26	1,127.59	1,107.59	1,102.13	163.	186.	670.	2,260.	51,900.	3,910.	N	N
MW-119R	08/29/2012	1,128.26	1,127.59	1,107.59	1,100.61	178.	213.	899.	2,520.	24,500.	1,560.	N	N
MW-119R	09/23/2013	1,128.26	1,127.59	1,107.59	1,099.63	137.	39.7	485.	604.	8,290.	1,030.	N	N
MW-119R	09/26/2014	1,128.26	1,127.59	1,103.44	1,099.63	84.9	74.2	503.	2,090.	21,800.	<278.	N	N
MW-120	12/01/1995	1,127.90	1,127.59	1,104.90	1,096.86	9.	8.	7.	20.	N	N	N	N
MW-120	07/16/1997	1,127.90	1,127.59	1,104.90	1,098.86	8.	18.	7.	18.	N	N	N	N
MW-120	09/16/1997	1,127.90	1,127.59	1,104.90	1,098.34	N	N	N	N	600.	<100.	N	N
MW-120	12/02/1998	1,127.90	1,127.59	1,104.90	1,098.39	3.1	12.4	4.5	8.2	1,300.	<100.	N	N
MW-120	08/28/2002	1,127.90	1,127.59	1,104.90	1,098.54	<2.	<2.	<2.	<3.	<380.	<380.	N	N
MW-120	03/19/2003	1,127.90	1,127.59	1,104.90	1,097.20	<1.	<1.	2.6	<3.	430.	<380.	N	N
MW-120	01/20/2004	1,127.90	1,127.59	1,104.90	1,096.90	<1.	<1.	3.8	<3.	662.	<380.	N	N
MW-120	12/08/2004	1,127.90	1,127.59	1,104.90	1,097.53	<2.	<2.	<2.	<3.	<380.	<380.	N	N
MW-120	08/10/2005	1,127.90	1,127.59	1,104.90	1,097.91	<1.	<5.	<1.	<3.	<100.	<250.	N	N

SMR Groundwater Analytical Data (ug/L), V-2.51, 8LTU14													
Boring / Well #	Date Sampled	Elevations (ASL)				Group 1				Group 2		FP Type	FP Default?
		Ground	TOC	TOS	SWL	B	T	E	X	TEH-D	TEH-WO		
MW-120	12/12/2009	1,127.90	1,127.59	1,104.90	1,099.87	<1.	<1.	<1.	<3.	<300.	<300.	N	N
MW-120	10/05/2011	1,127.90	1,127.59	1,104.90	1,101.85	<1.	<1.	<1.	<3.	<300.	<300.	N	N
MW-120	08/29/2012	1,127.90	1,127.59	1,104.90	1,100.27	<2.	<2.	<2.	<3.	<300.	<300.	N	N
MW-120	09/23/2013	1,127.90	1,127.59	1,104.90	1,099.05	<0.5	<1.	<1.	<3.	<288.	<288.	N	N
MW-120	09/26/2014	1,127.90	1,127.59	1,104.90	1,103.08	<0.5	<1.	<1.	<3.	302.	<278.	N	N
MW-122	07/09/1999	1,131.30	1,130.78	1,111.30	1,101.00	270.	1.1	123.	252.	<100.	<100.	N	N
MW-122	12/16/1999	1,131.80	1,130.78	1,111.30	1,100.43	107.	<1.	2.	5.1	<100.	<100.	N	N
MW-122	07/11/2000	1,131.80	1,130.78	1,111.30	1,099.18	147.	<1.	2.	1.9	2,600.	<100.	N	N
MW-122	01/24/2001	1,131.80	1,130.78	1,111.30	1,098.29	91.	<1.	<1.	<1.	<100.	<100.	N	N
MW-122	07/26/2001	1,131.80	1,130.78	1,111.30	1,100.15	53.	6.	1.	2.	800.	<100.	N	N
MW-122	02/20/2002	1,131.80	1,130.78	1,111.30	1,098.87	126.	21.	5.	11.	<100.	<100.	N	N
MW-122	08/27/2002	1,131.80	1,130.78	1,111.30	1,100.23	83.8	<2.	<2.	4.4	1,380.	<380.	N	N
MW-122	03/19/2003	1,131.80	1,130.78	1,111.30	1,099.39	65.5	<1.	<1.	<3.	929.	<380.	N	N
MW-122	01/20/2004	1,131.80	1,130.78	1,111.30	1,099.12	69.1	<1.	<1.	<3.	1,660.	<380.	N	N
MW-122	12/08/2004	1,131.80	1,130.78	1,111.30	1,099.71	96.	5.82	<2.	6.16	1,720.	<380.	N	N
MW-122	08/10/2005	1,131.80	1,130.78	1,111.30	1,099.66	58.	<5.	<1.	<3.	110.	<250.	N	N
MW-122	12/16/2009	1,131.80	1,130.78	1,111.30	1,102.09	<1.	<1.	<1.	<3.	<300.	<300.	N	N
MW-122	10/05/2011	1,131.80	1,130.78	1,111.30	1,104.65	<1.	<1.	<1.	<3.	<300.	<300.	N	N
MW-122	08/29/2012	1,131.80	1,130.78	1,111.30	1,103.13	<2.	<2.	<2.	<3.	<300.	<300.	N	N
MW-122	09/23/2013	1,131.80	1,130.78	1,111.30	1,101.83	<0.5	<1.	<1.	<3.	<288.	305.	N	N
MW-122	09/26/2014	1,131.80	1,130.78	1,111.30	1,105.69	<0.5	<1.	<1.	<3.	<278.	<278.	N	N
Kamm Well	08/12/1991	N	N	N	N	~~<1.~~	~~<1.~~	~~<1.~~	~~<1.~~	~~N~~	~~N~~	N	N
DWW-1	07/09/1999	N	N	N	N	~~<1.~~	~~<1.~~	~~<1.~~	~~<1.~~	~~<100.~~	~~<100.~~	~~N~~	N
DWW-1	12/16/1999	N	N	N	N	~~<1.~~	~~<1.~~	~~<1.~~	~~<1.~~	~~<100.~~	~~<100.~~	~~N~~	N
DWW-1	07/11/2000	N	N	N	N	~~<1.~~	~~<1.~~	~~<1.~~	~~<1.~~	~~<100.~~	~~<100.~~	~~N~~	N
DWW-1	01/23/2001	N	N	N	N	~~<0.5~~	~~<0.5~~	~~<0.5~~	~~<0.5~~	~~<100.~~	~~<100.~~	~~N~~	N
DWW-1	07/27/2001	N	N	N	N	~~<1.~~	~~<1.~~	~~<1.~~	~~<1.~~	~~<100.~~	~~<100.~~	~~N~~	N
DWW-1	02/18/2002	N	N	N	N	~~<1.~~	~~<1.~~	~~<1.~~	~~<1.~~	~~<100.~~	~~<100.~~	~~N~~	N
DWW-1	08/29/2002	N	N	N	N	~~<2.~~	~~<2.~~	~~<2.~~	~~<3.~~	~~<380.~~	~~<380.~~	N	N
DWW-1	03/20/2003	N	N	N	N	~~<1.~~	~~<1.~~	~~<1.~~	~~<3.~~	~~<380.~~	~~<380.~~	N	N
DWW-1	01/20/2004	N	N	N	N	~~<1.~~	~~<1.~~	~~<1.~~	~~<3.~~	~~<380.~~	~~<380.~~	N	N
DWW-1	12/07/2004	N	N	N	N	~~<2.~~	~~<2.~~	~~<2.~~	~~<3.~~	~~<380.~~	~~<380.~~	N	N
Garvey Well	12/12/2009	N	N	N	N	~~<1.~~	~~<1.~~	~~<1.~~	~~<3.~~	~~<300.~~	~~<300.~~	N	N
Garvey Well	10/12/2011	N	N	N	N	~~<1.~~	~~<1.~~	~~<1.~~	~~<3.~~	~~<300.~~	~~<300.~~	N	N
DWW-3C	03/20/2003	N	N	N	N	~~<1.~~	~~<1.~~	~~<1.~~	~~<3.~~	~~<380.~~	~~<380.~~	N	N
Benjamin Well	12/12/2009	1,132.80	1,134.35	N	N	~~<1.~~	~~<1.~~	~~<1.~~	~~<3.~~	~~<300.~~	~~<300.~~	N	N
Benjamin Well	10/05/2011	N	N	N	N	~~<1.~~	~~<1.~~	~~<1.~~	~~<3.~~	~~<300.~~	~~<300.~~	N	N

SMR Groundwater Analytical Data (ug/L), V-2.51, 8LTU14													
Boring / Well #	Date Sampled	Elevations (ASL)				Group 1				Group 2		FP Type	FP Default?
		Ground	TOC	TOS	SWL	B	T	E	X	TEH-D	TEH-WO		
Benjamin Well	03/21/2012	N	N	N	N	~~<1.~~	~~<1.~~	~~<1.~~	~~<3.~~	~~<300.~~	~~<300.~~	N	N
Benjamin Well	08/29/2012	N	N	N	N	~~<2.~~	~~<2.~~	~~<2.~~	~~<3.~~	~~<300.~~	~~<300.~~	N	N
Benjamin Well	03/19/2013	N	N	N	N	~~<0.5~~	~~<1.~~	~~<1.~~	~~<3.~~	~~297.~~	~~<288.~~	N	N
Benjamin Well	09/23/2013	N	N	N	N	~~<0.5~~	~~<1.~~	~~<1.~~	~~<3.~~	~~<300.~~	~~<300.~~	N	N
Benjamin Well	03/06/2014	N	N	N	N	~~<0.5~~	~~<1.~~	~~<1.~~	~~<3.~~	~~<288.~~	~~<288.~~	N	N
Benjamin Well	09/26/2014	N	N	N	N	~~<0.5~~	~~<1.~~	~~<1.~~	~~<3.~~	~~<278.~~	~~<278.~~	N	N
Lloyd Well	07/24/1991	1,128.70	N	N	N	~~<1.~~	~~<1.~~	~~<1.~~	~~<1.~~	~~N~~	~~N~~	N	N
Lloyd Well	01/16/1992	1,128.70	N	N	N	~~<2.~~	~~<2.~~	~~<2.~~	~~<2.~~	~~N~~	~~N~~	N	N
Lloyd Well	01/18/1993	1,128.70	N	N	N	~~<2.~~	~~<2.~~	~~<2.~~	~~<2.~~	~~N~~	~~N~~	N	N
Lloyd Well	10/26/1993	1,128.70	N	N	N	~~<2.~~	~~<2.~~	~~<2.~~	~~<2.~~	~~N~~	~~N~~	N	N
Lloyd Well	06/01/1994	1,128.70	N	N	N	~~<2.~~	~~<2.~~	~~<2.~~	~~<2.~~	~~N~~	~~N~~	N	N
Lloyd Well	06/29/1994	1,128.70	N	N	N	~~<2.~~	~~<2.~~	~~<2.~~	~~<5.~~	~~N~~	~~N~~	N	N
Lloyd Well	10/03/1994	1,128.70	N	N	1,093.70	~~<2.~~	~~<2.~~	~~<2.~~	~~<5.~~	~~N~~	~~N~~	N	N
Lloyd Well	12/20/1994	1,128.70	N	N	N	~~<2.~~	~~<2.~~	~~<2.~~	~~<5.~~	~~N~~	~~N~~	N	N
Lloyd Well	04/26/1995	1,128.70	N	N	N	~~<2.~~	~~<2.~~	~~<2.~~	~~<4.~~	~~N~~	~~N~~	N	N
Lloyd Well	07/24/1995	1,128.70	N	N	N	~~<2.~~	~~<2.~~	~~<2.~~	~~<4.~~	~~N~~	~~N~~	N	N
Lloyd Well	10/09/1995	1,128.70	N	N	N	~~<2.~~	~~<2.~~	~~<2.~~	~~<5.~~	~~N~~	~~N~~	N	N
Lloyd Well	12/26/1995	1,128.70	N	N	N	~~<2.~~	~~<2.~~	~~<2.~~	~~<5.~~	~~N~~	~~N~~	N	N
Lloyd Well	03/21/1996	1,128.70	N	N	N	~~<2.~~	~~<2.~~	~~<2.~~	~~<5.~~	~~N~~	~~N~~	N	N
Lloyd Well	07/01/1996	1,128.70	N	N	N	~~<2.~~	~~<2.~~	~~<2.~~	~~<5.~~	~~N~~	~~N~~	N	N
Lloyd Well	09/28/1996	1,128.70	N	N	N	~~<2.~~	~~<2.~~	~~<2.~~	~~<1.~~	~~N~~	~~N~~	N	N
Lloyd Well	03/31/1997	1,128.70	N	N	N	~~<1.~~	~~<1.~~	~~<1.~~	~~<1.~~	~~N~~	~~N~~	N	N
Lloyd Well	07/10/1997	1,128.70	N	N	N	~~<1.~~	~~<1.~~	~~<1.~~	~~<1.~~	~~N~~	~~N~~	N	N
Lloyd Well	10/02/1997	1,128.70	N	N	N	~~<1.~~	~~<1.~~	~~<1.~~	~~<1.~~	~~N~~	~~N~~	N	N
Lloyd Well	01/13/1998	1,128.70	N	N	N	~~<1.~~	~~<1.~~	~~<1.~~	~~<1.~~	~~N~~	~~N~~	N	N
Lloyd Well	05/06/1998	1,128.70	N	N	N	~~<1.~~	~~<1.~~	~~<1.~~	~~<1.~~	~~N~~	~~N~~	N	N
Lloyd Well	08/03/1998	1,128.70	N	N	N	~~<1.~~	~~<1.~~	~~<1.~~	~~<1.~~	~~N~~	~~N~~	N	N
Lloyd Well	12/28/1998	1,128.70	N	N	N	~~<1.~~	~~<1.~~	~~<1.~~	~~<1.~~	~~N~~	~~N~~	N	N
DWW-7	07/09/1999	N	N	N	N	~~<1.~~	~~<1.~~	~~<1.~~	~~<1.~~	~~<100.~~	~~<100.~~	~~N~~	N
DWW-7	12/16/1999	N	N	N	N	~~<1.~~	~~<1.~~	~~<1.~~	~~<1.~~	~~<100.~~	~~<100.~~	~~N~~	N
Lloyd Well	05/04/2000	1,128.70	N	N	N	~~<1.~~	~~<1.~~	~~<1.~~	~~<3.~~	~~N~~	~~N~~	N	N
DWW-7	07/11/2000	N	N	N	N	~~<1.~~	~~<1.~~	~~<1.~~	~~<1.~~	~~<100.~~	~~<100.~~	~~N~~	N
DWW-7	01/23/2001	N	N	N	N	~~<0.5~~	~~<0.5~~	~~<0.5~~	~~<0.5~~	~~<100.~~	~~<100.~~	~~N~~	N
DWW-7	07/27/2001	N	N	N	N	~~1.~~	~~<1.~~	~~<1.~~	~~<1.~~	~~<100.~~	~~<100.~~	~~N~~	N
DWW-7	02/18/2002	N	N	N	N	~~<1.~~	~~<1.~~	~~<1.~~	~~<1.~~	~~<100.~~	~~<100.~~	~~N~~	N
DWW-7	08/29/2002	1,128.70	N	N	N	~~<2.~~	~~<2.~~	~~<2.~~	~~<3.~~	~~<380.~~	~~<380.~~	N	N
DWW-7	03/18/2003	1,128.70	N	N	N	~~<1.~~	~~<1.~~	~~<1.~~	~~<3.~~	~~<380.~~	~~<380.~~	N	N
DWW-7	01/20/2004	1,128.70	N	N	N	~~<1.~~	~~<1.~~	~~<1.~~	~~<3.~~	~~<380.~~	~~<380.~~	N	N

SMR Groundwater Analytical Data (ug/L), V-2.51, 8LTU14													
Boring / Well #	Date Sampled	Elevations (ASL)				Group 1				Group 2		FP Type	FP Default?
		Ground	TOC	TOS	SWL	B	T	E	X	TEH-D	TEH-WO		
Lloyd Well	07/10/2004	1,128.70	N	N	N	<1.	<1.	<1.	<3.	N	N	N	N
DWW-7	12/07/2004	1,128.70	N	N	N	<2.	<2.	<2.	<3.	<380.	<380.	N	N
Lloyd Well	12/12/2009	1,127.90	1,128.70	N	N	<1.	<1.	<1.	<3.	<300.	<300.	N	N
Lloyd Well	10/05/2011	1,127.90	1,128.70	N	N	<1.	<1.	<1.	<3.	<300.	<300.	N	N
Lloyd Well	03/21/2012	1,127.90	1,128.70	N	N	<1.	<1.	<1.	<3.	<300.	<300.	N	N
Lloyd Well	08/29/2012	1,127.90	1,128.70	N	N	<1.	<1.	<1.	<3.	<300.	<300.	N	N
Lloyd Well	03/19/2013	1,127.90	1,128.70	N	N	<0.5	<1.	<1.	<3.	<288.	<288.	N	N
Lloyd Well	09/23/2013	1,127.90	1,128.70	N	N	<0.5	<1.	<1.	<3.	<288.	<288.	N	N
Lloyd Well	03/06/2014	1,127.90	1,128.70	N	N	<0.5	<1.	<1.	<3.	<294.	<294.	N	N
Lloyd Well	09/26/2014	1,127.90	1,128.70	N	N	<0.5	<1.	<1.	<3.	<278.	<278.	N	N
Bank Well	08/12/1991	N	N	N	N	<1.	<1.	<1.	<1.	N	N	N	N
DWW-9	07/09/1999	N	N	N	N	<1.	<1.	<1.	<1.	<100.	<100.	N	N
DWW-9	12/16/1999	N	N	N	N	<1.	<1.	<1.	<1.	<100.	<100.	N	N
DWW-9	07/11/2000	N	N	N	N	<1.	<1.	<1.	<1.	<100.	<100.	N	N
DWW-9	01/23/2001	N	N	N	N	<0.5	<0.5	<0.5	<0.5	<100.	<100.	N	N
DWW-9	07/27/2001	N	N	N	N	<1.	<1.	<1.	<1.	<100.	<100.	N	N
DWW-9	02/18/2002	N	N	N	N	<1.	<1.	<1.	<1.	<100.	<100.	N	N
DWW-9	08/29/2002	N	N	N	N	<2.	12.6	<2.	<3.	<380.	<380.	N	N
DWW-9	03/20/2003	N	N	N	N	<1.	<1.	<1.	<3.	<380.	<380.	N	N
DWW-9	01/20/2004	N	N	N	N	<1.	<1.	<1.	<3.	<380.	<380.	N	N
Bank Well	12/12/2009	1,127.60	1,127.58	N	N	<1.	<1.	<1.	<3.	<300.	<300.	N	N
Bank Well	04/22/2010	1,127.60	1,127.58	N	N	<1.	<1.	<1.	<3.	<300.	<300.	N	N
Bank Well	10/05/2011	1,127.60	1,127.58	N	N	<1.	<1.	<1.	<3.	<300.	<300.	N	N
Bank Well	03/21/2012	1,127.60	1,127.58	N	N	<1.	<1.	<1.	<3.	<300.	<300.	N	N
Bank Well	08/29/2012	1,127.60	1,127.58	N	N	<2.	<2.	<2.	<3.	<300.	<300.	N	N
Bank Well	03/19/2013	1,127.60	1,127.58	N	N	<0.5	<1.	<1.	<3.	<288.	<288.	N	N
Bank Well	09/23/2013	1,127.60	1,127.58	N	N	<0.5	<1.	<1.	<3.	<288.	<288.	N	N
Bank Well	03/06/2014	1,127.60	1,127.58	N	N	<0.5	<1.	<1.	<3.	<278.	<278.	N	N
Bank Well	09/26/2014	1,127.60	1,127.58	N	N	<0.5	<1.	<1.	<3.	<278.	<278.	N	N
DWW-12	07/09/1999	N	N	N	N	<1.	<1.	<1.	<1.	<100.	<100.	N	N
DWW-12	12/16/1999	N	N	N	N	<1.	<1.	<1.	<1.	<100.	<100.	N	N
DWW-12	07/11/2000	N	N	N	N	<1.	<1.	<1.	<1.	<100.	<100.	N	N
DWW-12	07/27/2001	N	N	N	N	<1.	<1.	<1.	<1.	<100.	<100.	N	N
DWW-12	02/18/2002	N	N	N	N	<1.	<1.	<1.	<1.	<100.	<100.	N	N
DWW-12	08/29/2002	N	N	N	N	<2.	<2.	<2.	<3.	<380.	<380.	N	N
DWW-12	03/20/2003	N	N	N	N	<1.	<1.	<1.	<3.	<380.	<380.	N	N
DWW-12	01/20/2004	N	N	N	N	<1.	<1.	<1.	<3.	<380.	<380.	N	N

SMR Groundwater Analytical Data (ug/L), V-2.51, 8LTU14

Boring / Well #	Date Sampled	Elevations (ASL)				Group 1				Group 2		FP Type	FP Default?
		Ground	TOC	TOS	SWL	B	T	E	X	TEH-D	TEH-WO		
DWW-12	12/07/2004	N	N	N	N	<2.	<2.	<2.	<3.	<380.	<380.	N	N
DWW-12	08/15/2006	N	N	N	N	<1.	<1.	<1.	<3.	<300.	<300.	N	N
Church Well	12/12/2009	N	N	N	N	<1.	<1.	<1.	<3.	<300.	<300.	N	N
Church Well	10/12/2011	N	N	N	N	<1.	<1.	<1.	<3.	<300.	<300.	N	N
Church Well	03/21/2012	N	N	N	N	<1.	<1.	<1.	<3.	<300.	<300.	N	N
Church Well	08/29/2012	N	N	N	N	<2.	<2.	<2.	<3.	<300.	<300.	N	N
Church Well	03/19/2013	N	N	N	N	<0.5	<1.	<1.	<3.	<288.	<288.	N	N
Church Well	09/23/2013	N	N	N	N	<0.5	<1.	<1.	<3.	<300.	<300.	N	N
Church Well	03/06/2014	N	N	N	N	<0.5	<1.	<1.	<3.	<288.	<288.	N	N
Church Well	09/26/2014	N	N	N	N	<0.5	<1.	<1.	<3.	<278.	<278.	N	N
East Assoc. Well	12/12/2009	N	N	N	N	<1.	<1.	<1.	<3.	<300.	<300.	N	N
East Assoc. Well	10/05/2011	N	N	N	N	<1.	<1.	<1.	<3.	<345.	<345.	N	N
East Assoc. Well	03/21/2012	N	N	N	N	<1.	<1.	<1.	<3.	<300.	<300.	N	N
East Assoc. Well	08/29/2012	N	N	N	N	<2.	<2.	<2.	<3.	<300.	<300.	N	N
East Assoc. Well	03/19/2013	N	N	N	N	<0.5	<1.	<1.	<3.	<288.	<288.	N	N
East Assoc. Well	09/23/2013	N	N	N	N	<0.5	<1.	<1.	<3.	<288.	<288.	N	N
East Assoc. Well	03/06/2014	N	N	N	N	<0.5	<1.	<1.	<3.	<278.	<278.	N	N
East Assoc. Well	09/26/2014	N	N	N	N	<0.5	<1.	<1.	<3.	<278.	<278.	N	N
West Assoc. Well	12/12/2009	N	N	N	N	<1.	<1.	<1.	<3.	<300.	<300.	N	N
West Assoc. Well	10/05/2011	N	N	N	N	<1.	<1.	<1.	<3.	<300.	<300.	N	N
West Assoc. Well	03/21/2012	N	N	N	N	<1.	<1.	<1.	<3.	<300.	<300.	N	N
West Assoc. Well	08/29/2012	N	N	N	N	<2.	<2.	<2.	<3.	<300.	<300.	N	N
West Assoc. Well	03/19/2013	N	N	N	N	<0.5	<1.	<1.	<3.	<288.	<288.	N	N
West Assoc. Well	09/23/2013	N	N	N	N	<0.5	<1.	<1.	<3.	<288.	<288.	N	N
West Assoc. Well	03/06/2014	N	N	N	N	<0.5	<1.	<1.	<3.	<382.	<382.	N	N
West Assoc. Well	09/26/2014	N	N	N	N	<0.5	<1.	<1.	<3.	<300.	<300.	N	N
Wolfs Well	08/12/1991	N	N	N	N	<1.	<1.	<1.	<1.	N	N	N	N
Hancock Well	04/22/2010	N	N	N	N	<1.	<1.	<1.	<3.	<333.	<333.	N	N
Hancock Well	10/05/2011	N	N	N	N	<1.	<1.	<1.	<3.	<300.	<300.	N	N
Hancock Well	03/21/2012	N	N	N	N	<1.	<1.	<1.	<3.	<300.	<300.	N	N
Hancock Well	08/29/2012	N	N	N	N	<2.	<2.	<2.	<3.	<300.	<300.	N	N
Hancock Well	03/19/2013	N	N	N	N	<0.5	<1.	<1.	<3.	<288.	<288.	N	N
Hancock Well	09/23/2013	N	N	N	N	<0.5	<1.	<1.	<3.	<288.	<288.	N	N
Hancock Well	03/06/2014	N	N	N	N	<0.5	<1.	<1.	<3.	<288.	<288.	N	N
Hancock Well	09/26/2014	N	N	N	N	<0.5	<1.	<1.	<3.	<278.	<278.	N	N
School Well	04/22/2010	1,131.80	1,132.54	N	N	2.57	4.81	11.9	44.4	<300.	<300.	N	N
School Well Inside	05/10/2010	1,131.80	1,132.54	N	N	<1.	<1.	<1.	<3.	<300.	<300.	N	N

SMR Groundwater Analytical Data (ug/L), V-2.51, 8LTU14													
Boring / Well #	Date Sampled	Elevations (ASL)				Group 1				Group 2		FP Type	FP Default?
		Ground	TOC	TOS	SWL	B	T	E	X	TEH-D	TEH-WO		
School Well Outside	05/10/2010	1,131.80	1,132.54	N	N	~~<1.~~	~~<1.~~	~~<1.~~	~~<3.~~	~~<300.~~	~~<300.~~	N	N
School Well	09/10/2010	1,131.80	1,132.54	N	N	~~<1.~~	~~<1.~~	~~<1.~~	~~<3.~~	~~<300.~~	~~<300.~~	N	N
School Well	12/09/2010	1,131.80	1,132.54	N	N	~~<2.~~	~~<2.~~	~~<2.~~	~~<3.~~	~~N~~	~~N~~	N	N
School Well	03/02/2011	1,131.80	1,132.54	N	N	~~<2.~~	~~<2.~~	~~<2.~~	~~<3.~~	~~N~~	~~N~~	N	N
School Well	06/15/2011	1,131.80	1,132.54	N	N	~~<1.~~	~~<1.~~	~~1.47~~	~~<3.~~	~~N~~	~~N~~	N	N
School Well	10/05/2011	1,131.80	1,132.54	N	N	~~<1.~~	~~<1.~~	~~<1.~~	~~<3.~~	~~<300.~~	~~<300.~~	N	N
School Well	12/19/2011	1,131.80	1,132.54	N	N	~~<1.~~	~~<1.~~	~~<1.~~	~~<3.~~	~~N~~	~~N~~	N	N
School Well	03/21/2012	1,131.80	1,132.54	N	N	~~<1.~~	~~<1.~~	~~<1.~~	~~<3.~~	~~<300.~~	~~<300.~~	N	N
School Well	08/29/2012	1,131.80	1,132.54	N	N	~~<1.~~	~~<1.~~	~~<1.~~	~~<3.~~	~~<300.~~	~~<300.~~	N	N
School Well	03/19/2013	1,131.80	1,132.54	N	N	~~<0.5~~	~~<1.~~	~~<1.~~	~~<3.~~	~~<288.~~	~~<288.~~	N	N
School Well	09/23/2013	1,131.80	1,132.54	N	N	~~<0.5~~	~~<1.~~	~~<1.~~	~~<3.~~	~~<288.~~	~~<288.~~	N	N
School Well	03/06/2014	1,131.80	1,132.54	N	N	~~<0.5~~	~~<1.~~	~~<1.~~	~~<3.~~	~~<283.~~	~~<283.~~	N	N
School Well	09/26/2014	1,131.80	1,132.54	N	N	~~<0.5~~	~~<1.~~	~~<1.~~	~~<3.~~	~~<278.~~	~~<278.~~	N	N

SMR, GROUNDWATER / SOIL LEACHING MONITORING PLAN SUMMARY and NFA GW/SL MONITORING RESULTS

MW	Most Recent Sample	SSTL	SSTL Met	Steady Decline/ 3 Year	Monitor Type(T2)	Receptor Type	Receptor Label	Receptor Description	Chem. Risk	Recept. Curr. Risk	Min. Freq.
GW/SL MONITORING PLAN											
MW-21 MW-	<0.500										
		1	Yes	Yes	/	DWW	DWW-9	Bank Well	H	H	Annual
MW-103	<0.500										
		250	Yes	Yes	/P	DWW	DWW-9	Bank Well	H	H	Annual
		1,051	Yes	Yes	/	DWW	DWW-13	East Association W	L	L	Annual
MW-106	<1										
		8	Yes	Yes	TG/	DWW	DWW-9	Bank Well	H	H	Annual
MW-109	<1										
		250	Yes	Yes	/P	DWW	DWW-9	Bank Well	H	H	Annual
		13	Yes	Yes	G/	DWW	DWW-13	East Association W	L	L	Annual
MW-115	<1										
		16,868	Yes	Yes	/	DWW	DWW-13	East Association W	L	L	Annual
MW-117	8,920										
		250	No	No	S/	DWW	DWW-9	Bank Well	H	H	Annual
		224,416	Yes	No	S/	DWW	DWW-13	East Association W	L	L	Annual
MW-20 MW-	<0.500										
		6	Yes	Yes	XT/	DWW	DWW-9	Bank Well	H	H	Annual
MW-119 M	85										
		4	No	Yes	/	DWW	DWW-9	Bank Well	H	H	Annual
MW-120	<0.500										
		3	Yes	Yes	/	DWW	DWW-9	Bank Well	H	H	Annual
MW-122	<0.500										
		250	Yes	Yes	/P	DWW	DWW-9	Bank Well	H	H	Annual
		35,361	Yes	Yes	/	DWW	DWW-13	East Association W	L	L	Annual
B-1 MW-2 M	<0.500										
		1	Yes	No	/	DWW	DWW-9	Bank Well	H	H	Annual
MW-16	<0.500										
		2	Yes	Yes	/	DWW	DWW-9	Bank Well	H	H	Annual
NFA GW/SL MONITORING RESULTS											

SMR, GROUNDWATER / SOIL LEACHING MONITORING PLAN SUMMARY and NFA GW/SL MONITORING RESULTS

MW	Most Recent Sample	SSTL	SSTL Met	Steady Decline/ 3 Year	Monitor Type(T2)	Receptor			Chem. Risk	Recept. Curr. Risk	Min. Freq.
						Type	Label	Description			
GW/SL MONITORING PLAN											
NFA GW/SL MONITORING RESULTS											

SMR, GROUNDWATER / SOIL LEACHING MONITORING PLAN SUMMARY and NFA GW/SL MONITORING RESULTS

MW	Most Recent Sample	SSTL	SSTL Met	Steady Decline/ 3 Year	Monitor Type(T2)	Receptor			Chem. Risk	Recept. Curr. Risk	Min. Freq.
						Type	Label	Description			
GW/SL MONITORING PLAN											
NFA GW/SL MONITORING RESULTS											

SMR, GROUNDWATER / SOIL LEACHING MONITORING PLAN SUMMARY and NFA GW/SL MONITORING RESULTS

MW	Most Recent Sample	SSTL	SSTL Met	Steady Decline/ 3 Year	Monitor Type(T2)	Receptor			Chem. Risk	Recept. Curr. Risk	Min. Freq.
						Type	Label	Description			
GW/SL MONITORING PLAN											
NFA GW/SL MONITORING RESULTS											

SMR, GROUNDWATER / SOIL LEACHING MONITORING PLAN SUMMARY and NFA GW/SL MONITORING RESULTS

MW	Most Recent Sample	SSTL	SSTL Met	Steady Decline/ 3 Year	Monitor Type(T2)	Receptor Type	Receptor Label	Receptor Description	Chem. Risk	Recept. Curr. Risk	Min. Freq.
GW/SL MONITORING PLAN											
MW-119 M	21,800										
		5,196	No	No	S/	DWW	DWW-9	Bank Well	H	H	Annual
		178,949	Yes	No	S/	DWW	DWW-12	Church Well	L*	L	Annual
MW-121	1,750										
		17,937	Yes	No	L/	DWW	DWW-12	Church Well	L*	L	Annual
MW-122	<278										
		9,331	Yes	Yes	/	DWW	DWW-12	Church Well	L*	L	Annual
NFA GW/SL MONITORING RESULTS											

SMR, GROUNDWATER / SOIL LEACHING MONITORING PLAN SUMMARY and NFA GW/SL MONITORING RESULTS

MW	Most Recent Sample	SSTL	SSTL Met	Steady Decline/ 3 Year	Monitor Type(T2)	Receptor			Chem. Risk	Recept. Curr. Risk	Min. Freq.
						Type	Label	Description			
GW/SL MONITORING PLAN											
NFA GW/SL MONITORING RESULTS											

APPENDIX 1

EVALUATION OF ANALYTICAL DATA

APPENDIX 1

EVALUATION OF ANALYTICAL DATA

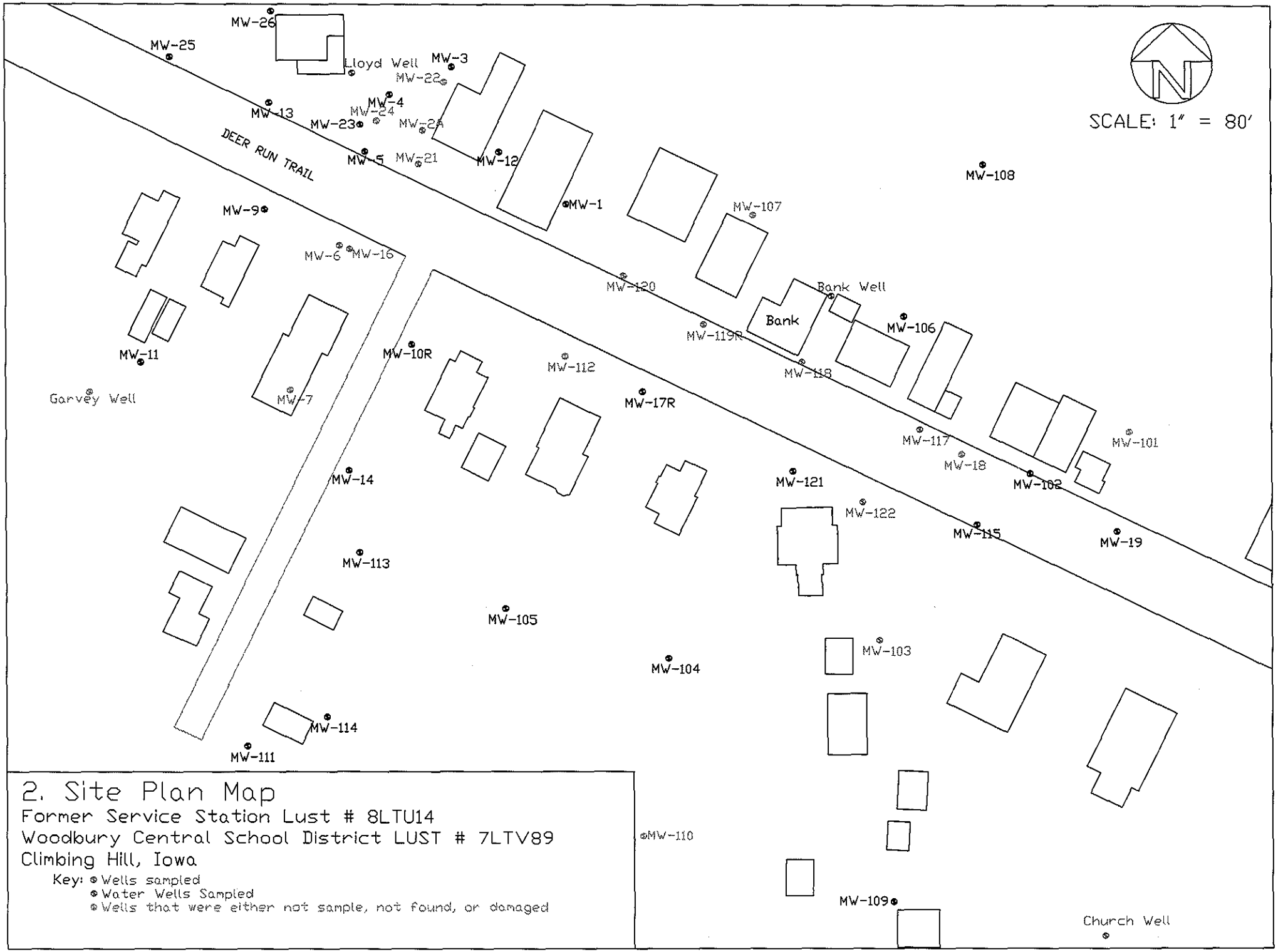
Annual monitoring of the School District and the Benjamin sites (former Service Station site) was performed on September 26, 2014. Due to farm equipment located directly on top of MW-2A and MW-21A a second trip was made on October 11, 2014 to samples these wells and MW-6, a well that was thought to be destroyed but was found deeply buried using a more sensitive metal detector. This SMR is a combined report for both sites and provides mapping of the current groundwater concentrations. The Tier 2 software file used for this report was generated using the Benjamin site software file as the base file and all of the historical data from the School District site has been included. The primary problem with creating this Tier 2 software file was the overwhelming amount of analytical data provided in the SMR Groundwater Analytical Data Table. In order to make this report easier to review, only the historical data from wells that were sampled during this monitoring event are printed in the table. Please note that all of the data is provided in the software file.

Contaminants were not detected in the water supply wells. The concentrations at most of the monitoring wells sampled remained below the detection limits. All of the concentrations of the chemicals of concern at MW-117 decreased. For example, the benzene concentration at MW-117 decreased from 11,800 ppb in 2013 to a current concentration of 8,920 ppb. The TEH-diesel and TEH-waste oil concentrations at MW-117 continued to decrease significantly and are now below detection limits. For example, the TEH-diesel concentration at MW-117 decreased from 2,980 ppb in 2013 to a current level of <278 ppb. Except for an increase in the Ethylbenzene, xylenes, and TEH-waste oil concentration at MW-2A; toluene, ethylbenzene, xylenes and TEH-diesel at MW-119R; and TEH-diesel at MW-120, the concentrations at monitoring wells with relatively low to trace levels decreased. Contaminants were not currently detected in MW-6, MW-16, MW-103, MW-118, and MW-122.

The groundwater flow direction remains consistent with previous observation and continues to in east-northeasterly direction. Because MW-16 is a deep well nested to the former MW-6 location, the screen for MW-16 well is submerged by design. As discussed in previous report, the Garvey well has been plugged limiting our ability to monitor the deeper aquifer.

APPENDIX 2

SITE PLAN MAP



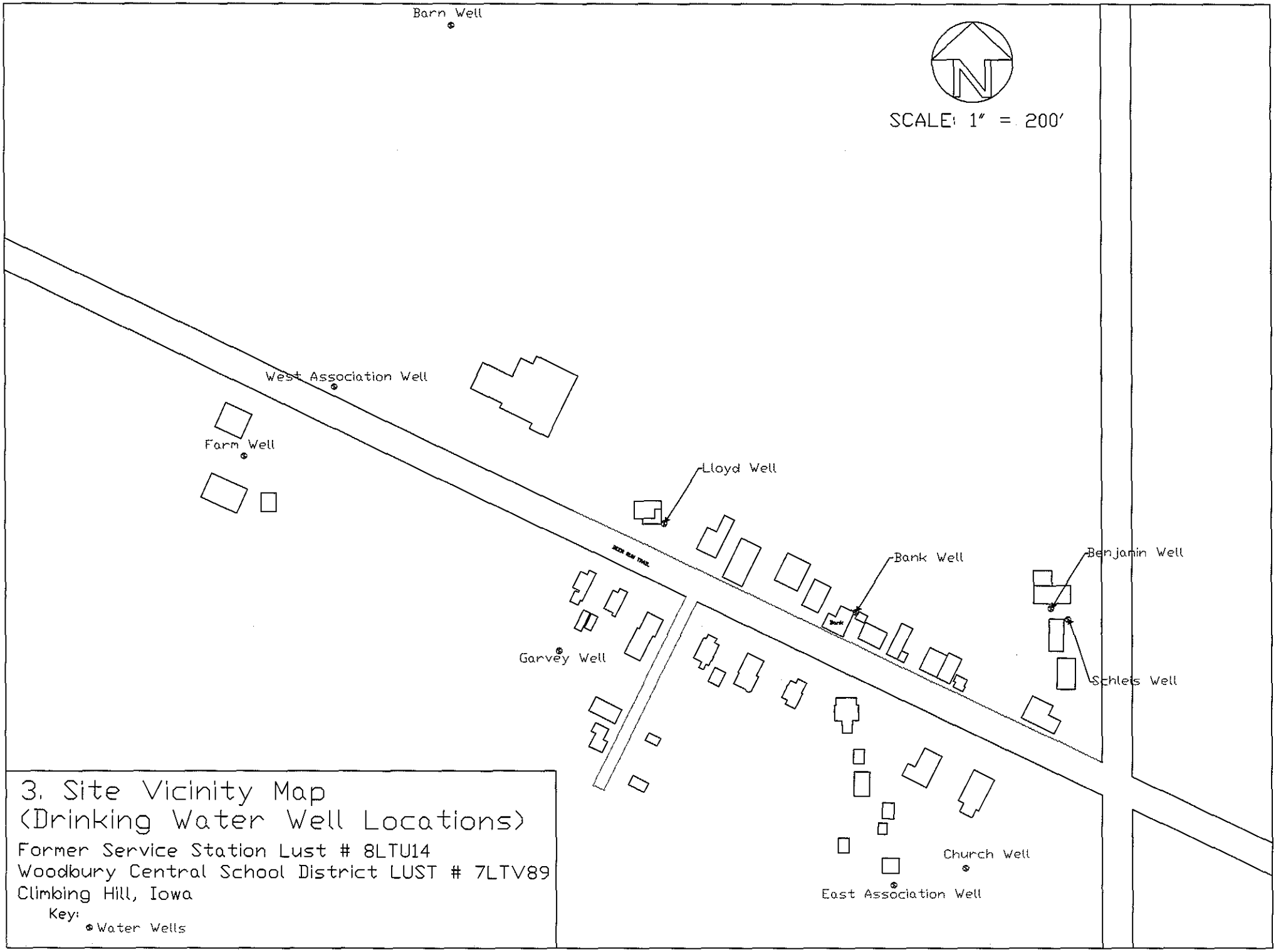
2. Site Plan Map

Former Service Station Lust # 8LTU14
Woodbury Central School District LUST # 7LTV89
Climbing Hill, Iowa

Key: ⊗ Wells sampled
⊗ Water Wells Sampled
⊗ Wells that were either not sample, not found, or damaged

APPENDIX 3

SITE VICINITY MAP

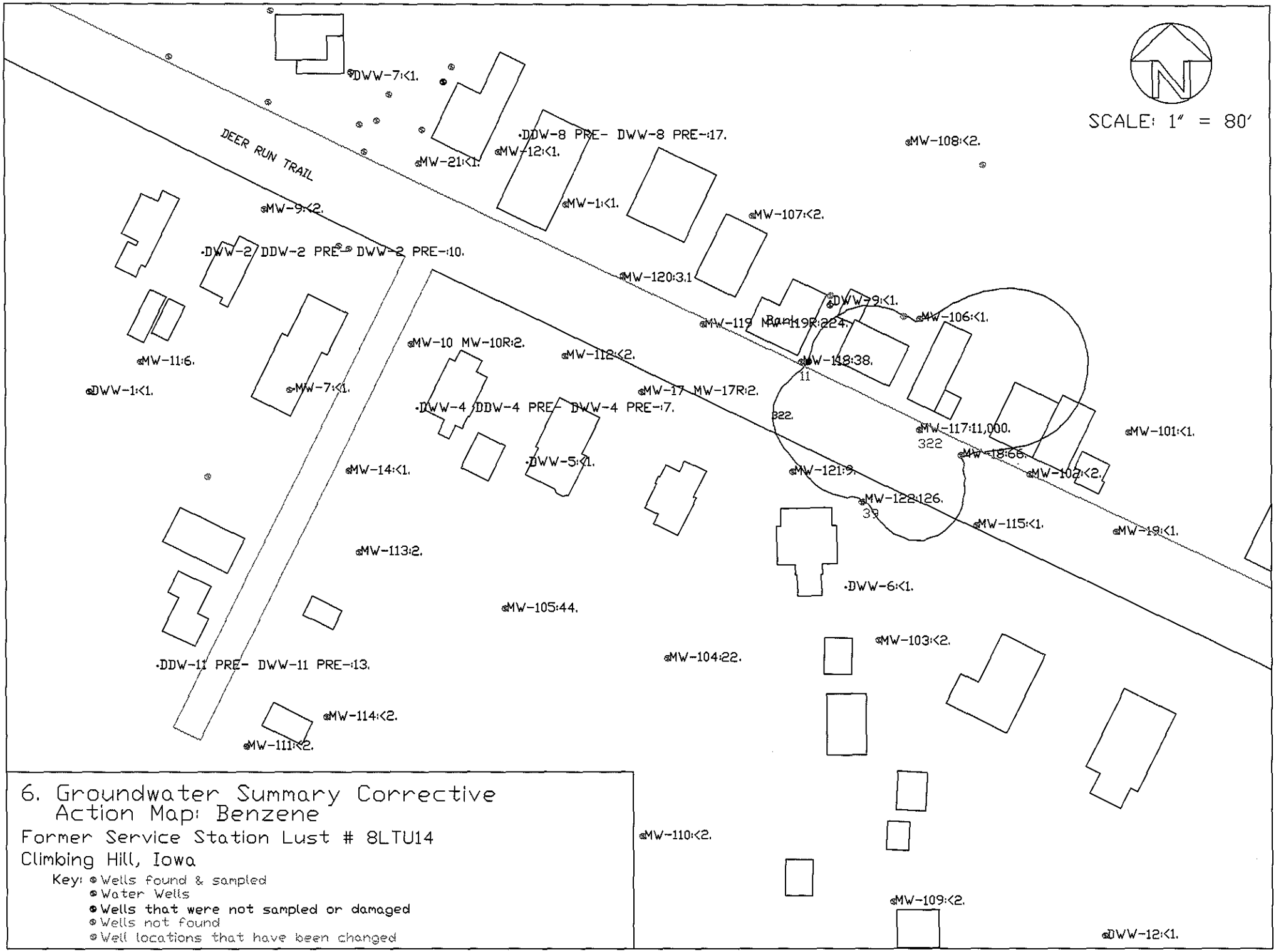


3. Site Vicinity Map
(Drinking Water Well Locations)

Former Service Station Lust # 8LTU14
Woodbury Central School District LUST # 7LTV89
Climbing Hill, Iowa

APPENDIX 6

GROUNDWATER SUMMARY CORRECTIVE ACTION MAP



6. Groundwater Summary Corrective Action Map: Benzene

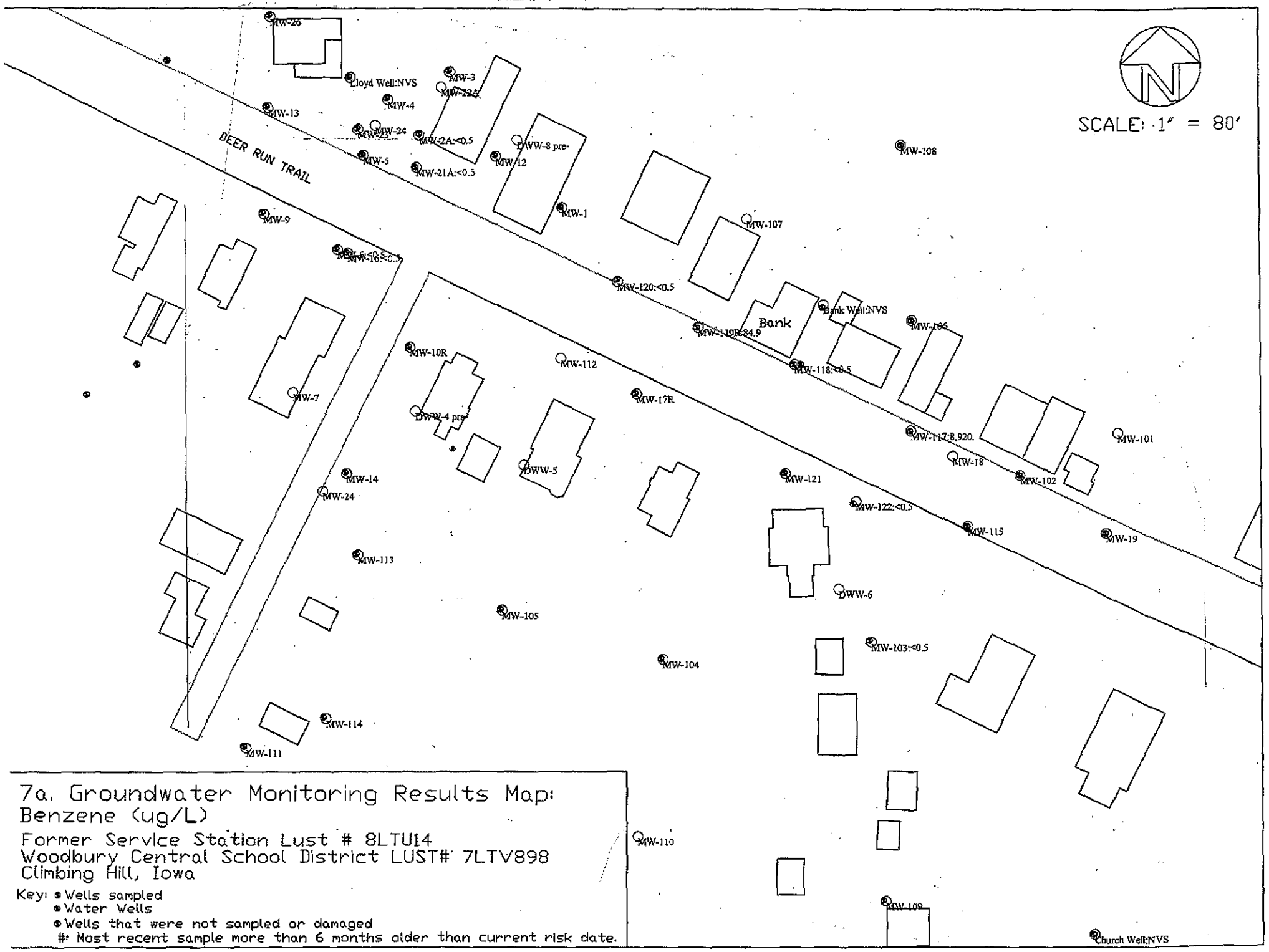
Former Service Station Lust # 8LTU14

Climbing Hill, Iowa

Key:
- Wells found & sampled
- Water Wells
- Wells that were not sampled or damaged
- Wells not found
- Well locations that have been changed

APPENDIX 7

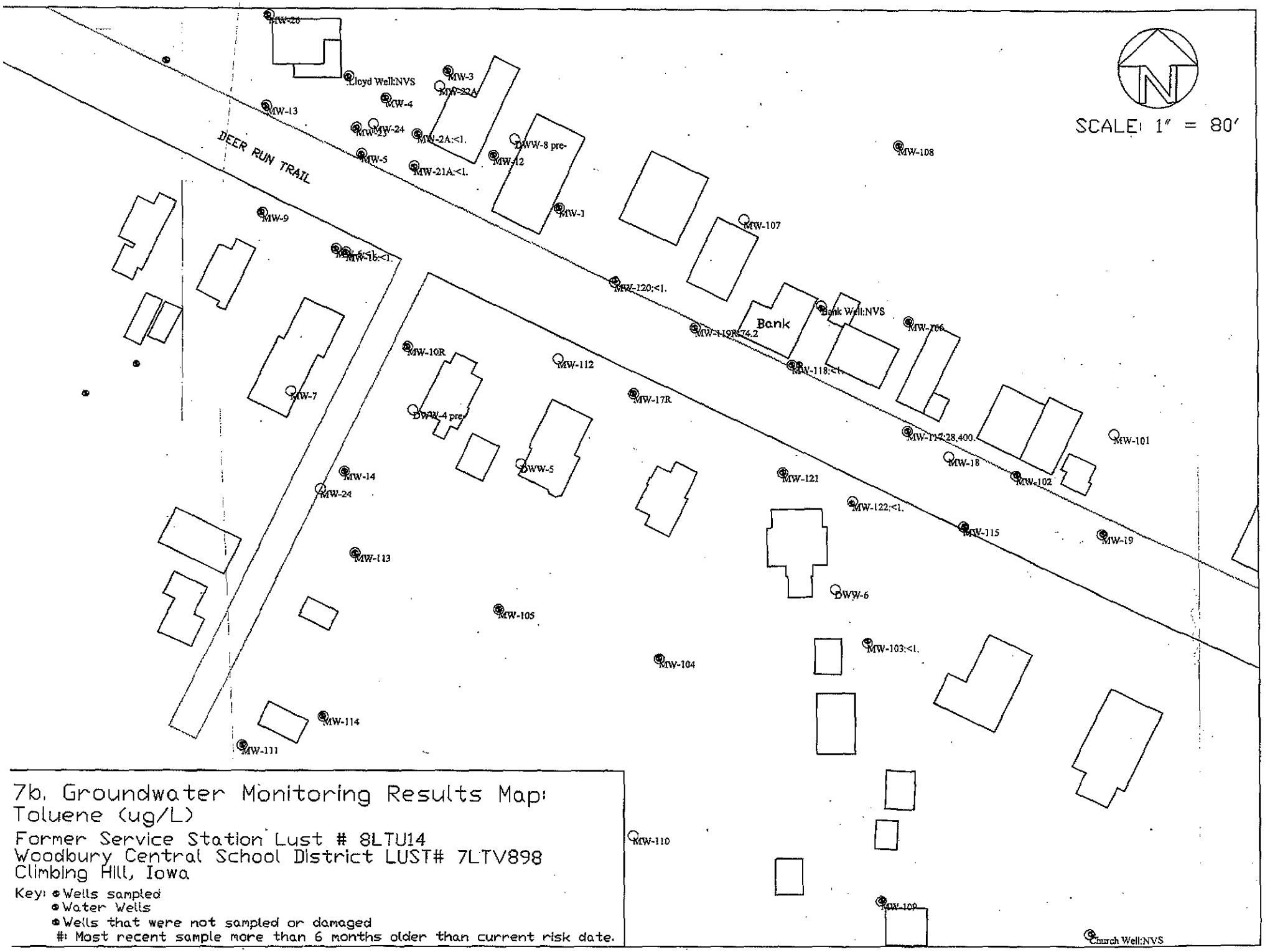
GROUNDWATER MONITORING RESULTS MAPS



7a. Groundwater Monitoring Results Map: Benzene (ug/L)

Former Service Station Lust # 8LTU14
Woodbury Central School District LUST# 7LTV898
Climbing Hill, Iowa

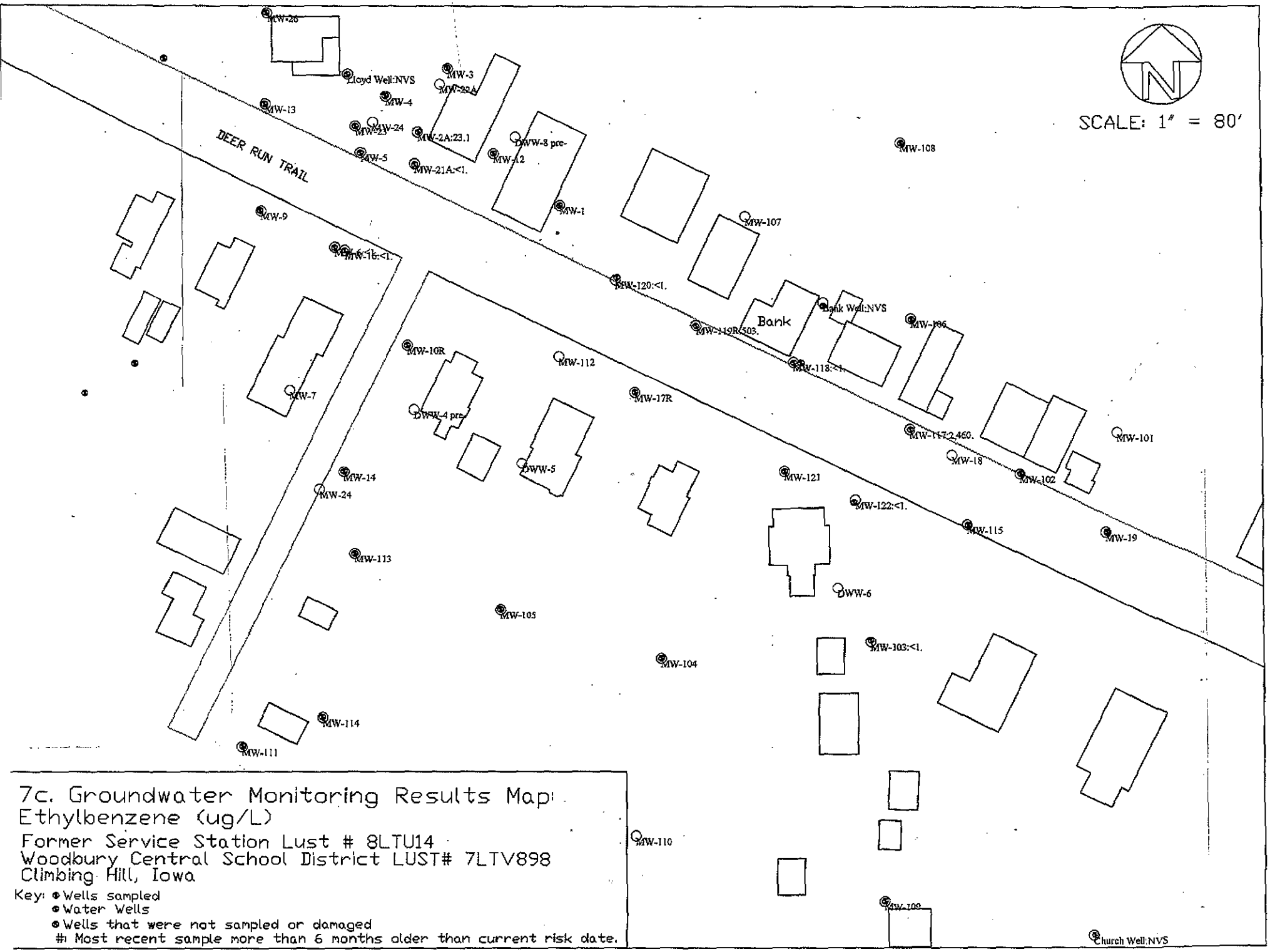
Key: ● Wells sampled
● Water Wells
● Wells that were not sampled or damaged
#: Most recent sample more than 6 months older than current risk date.



7b. Groundwater Monitoring Results Map:
Toluene (ug/L)

Former Service Station Lust # 8LTU14
Woodbury Central School District LUST# 7LTV898
Climbing Hill, Iowa

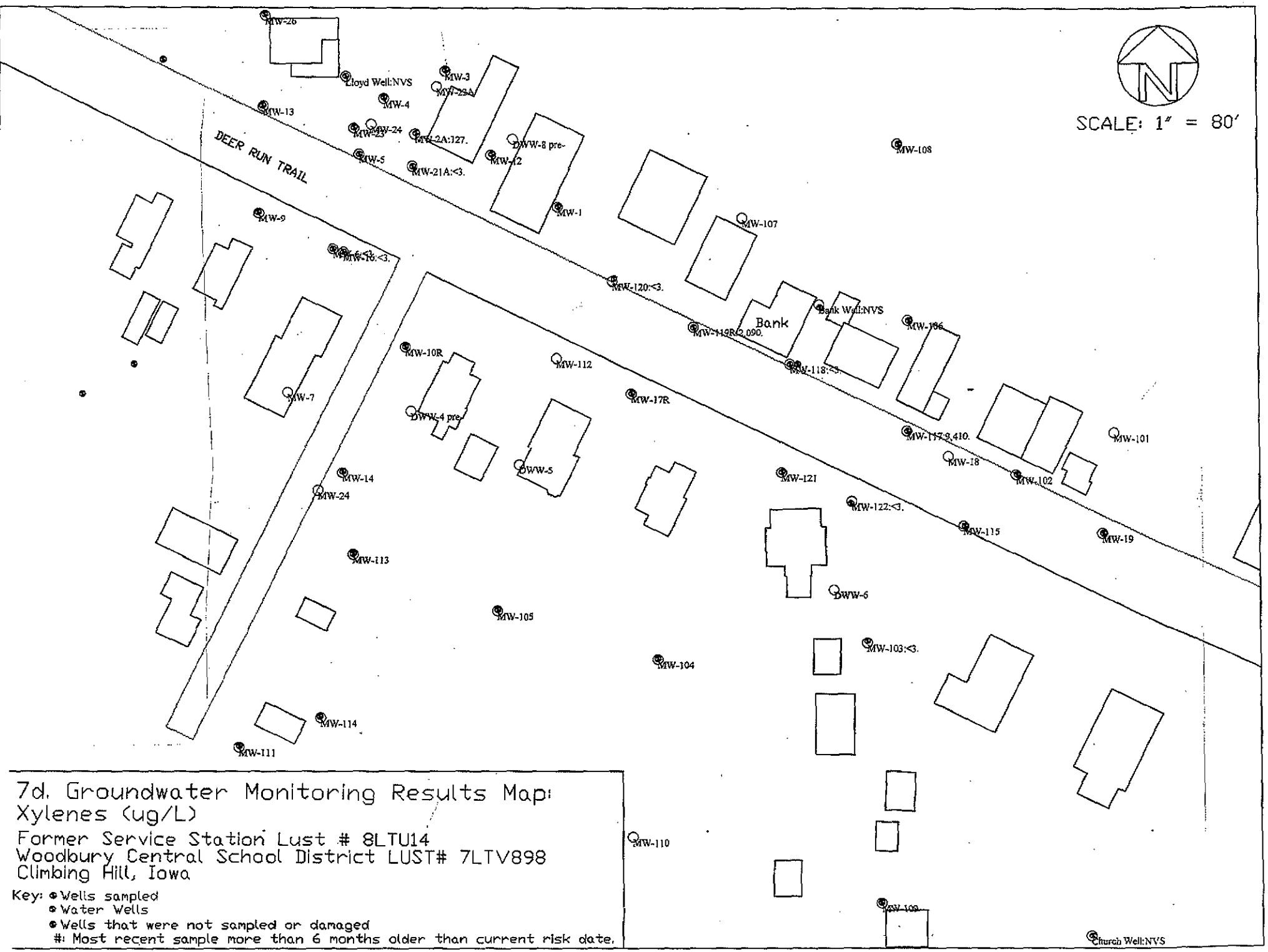
Key: ● Wells sampled
● Water Wells
● Wells that were not sampled or damaged
#: Most recent sample more than 6 months older than current risk date.



7c. Groundwater Monitoring Results Map: Ethylbenzene (ug/L)

Former Service Station Lust # 8LTU14
Woodbury Central School District LUST# 7LTV898
Climbing Hill, Iowa

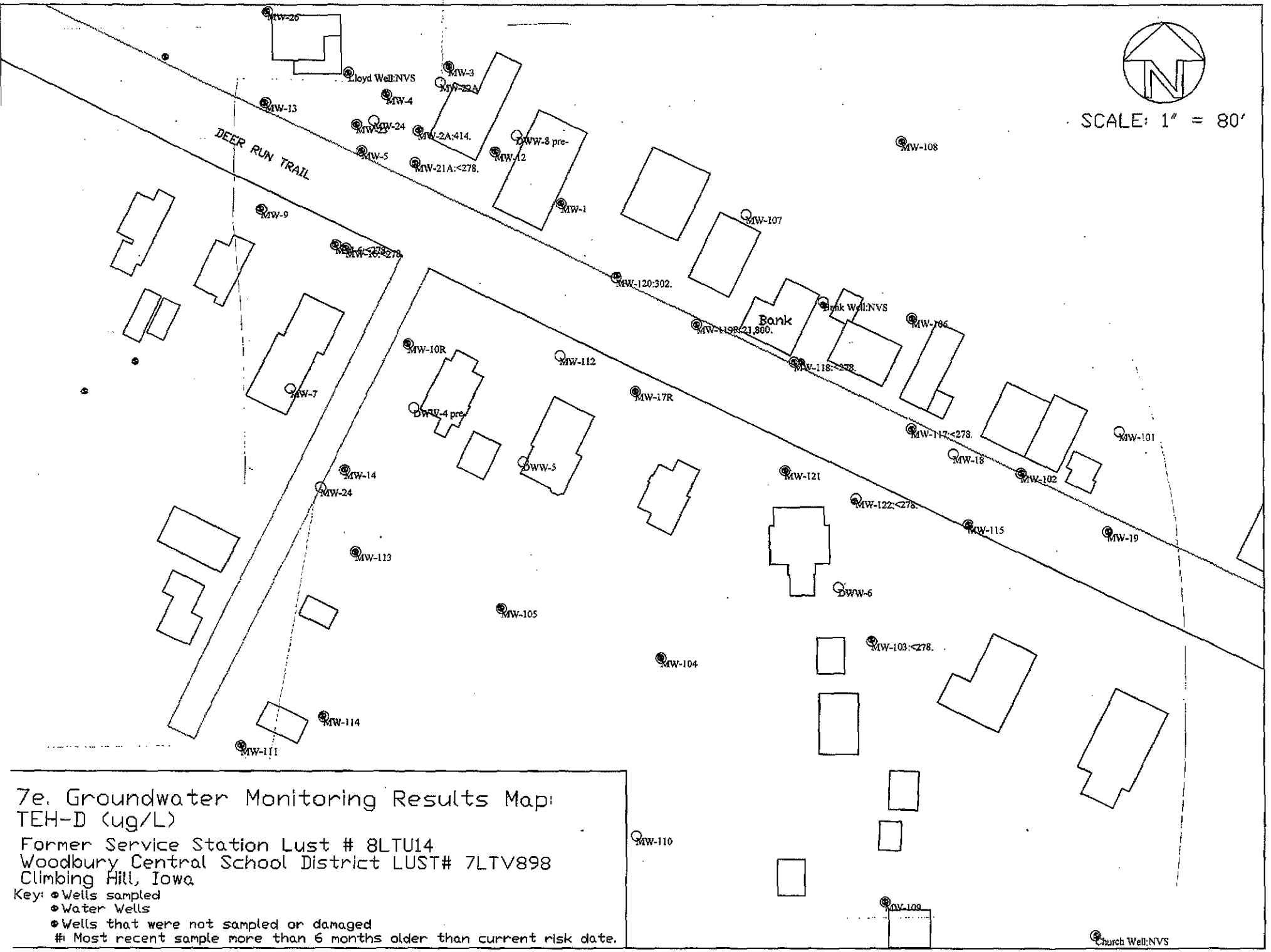
Key: ● Wells sampled
● Water Wells
● Wells that were not sampled or damaged
#: Most recent sample more than 6 months older than current risk date.



7d. Groundwater Monitoring Results Map: Xylenes (ug/L)

Former Service Station Lust # 8LTU14
Woodbury Central School District LUST# 7LTV898
Climbing Hill, Iowa

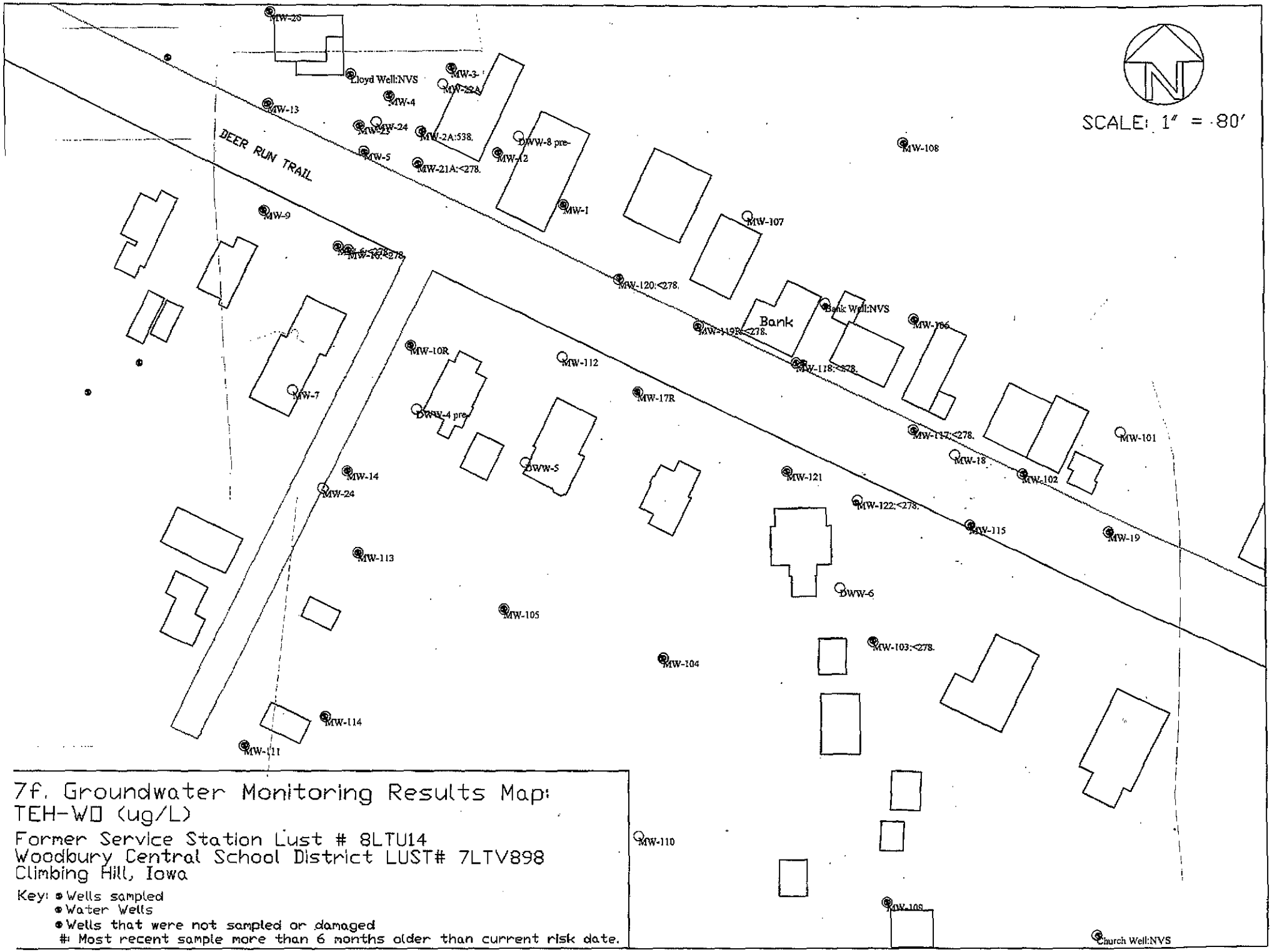
Key:
- Wells sampled
- Water Wells
- Wells that were not sampled or damaged
- #: Most recent sample more than 6 months older than current risk date.



7e. Groundwater Monitoring Results Map:
TEH-D (ug/L)

Former Service Station Lust # 8LTU14
Woodbury Central School District LUST# 7LTV898
Climbing Hill, Iowa

Key: ⊙ Wells sampled
⊙ Water Wells
⊙ Wells that were not sampled or damaged
#: Most recent sample more than 6 months older than current risk date.



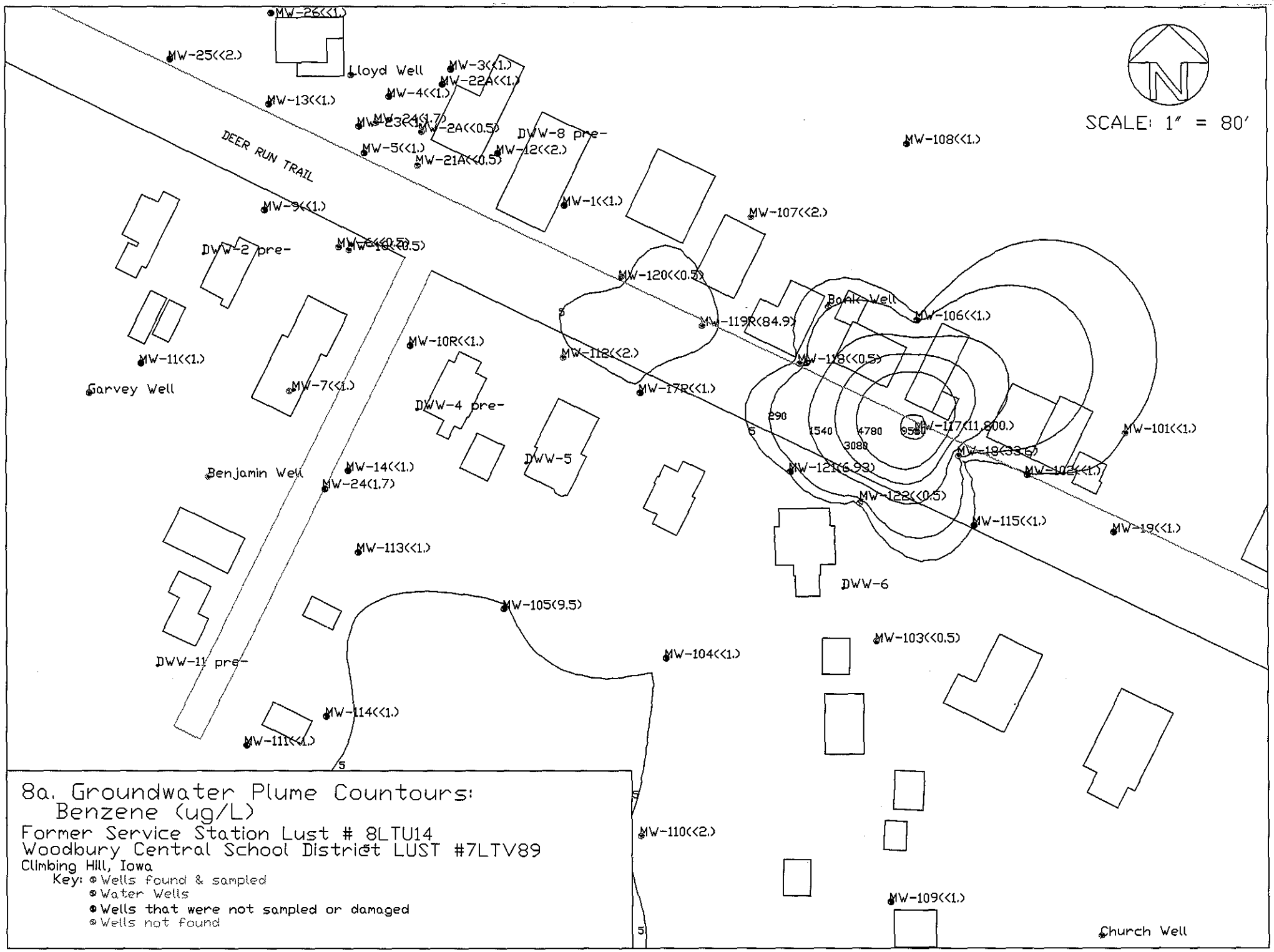
7f. Groundwater Monitoring Results Map: TEH-WD (ug/L)

Former Service Station Lust # 8LTU14
Woodbury Central School District LUST# 7LTV898
Climbing Hill, Iowa

Key: • Wells sampled
• Water Wells
• Wells that were not sampled or damaged
#: Most recent sample more than 6 months older than current risk date.

APPENDIX 8

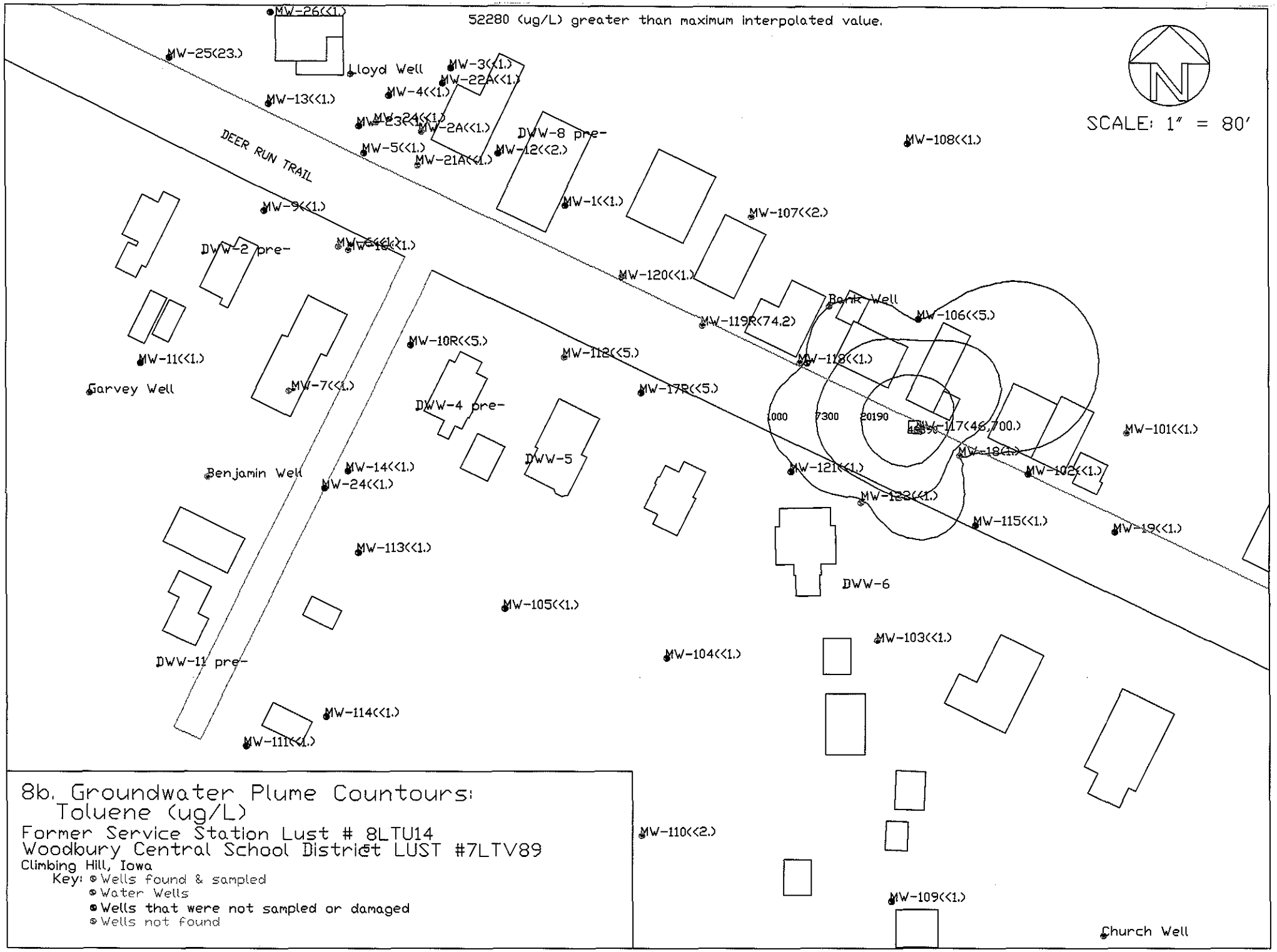
GROUNDWATER CONTAMINATION MAPS



8a. Groundwater Plume Countours:
Benzene (ug/L)

Former Service Station Lust # 8LTU14
Woodbury Central School District LUST #7LTV89
Climbing Hill, Iowa

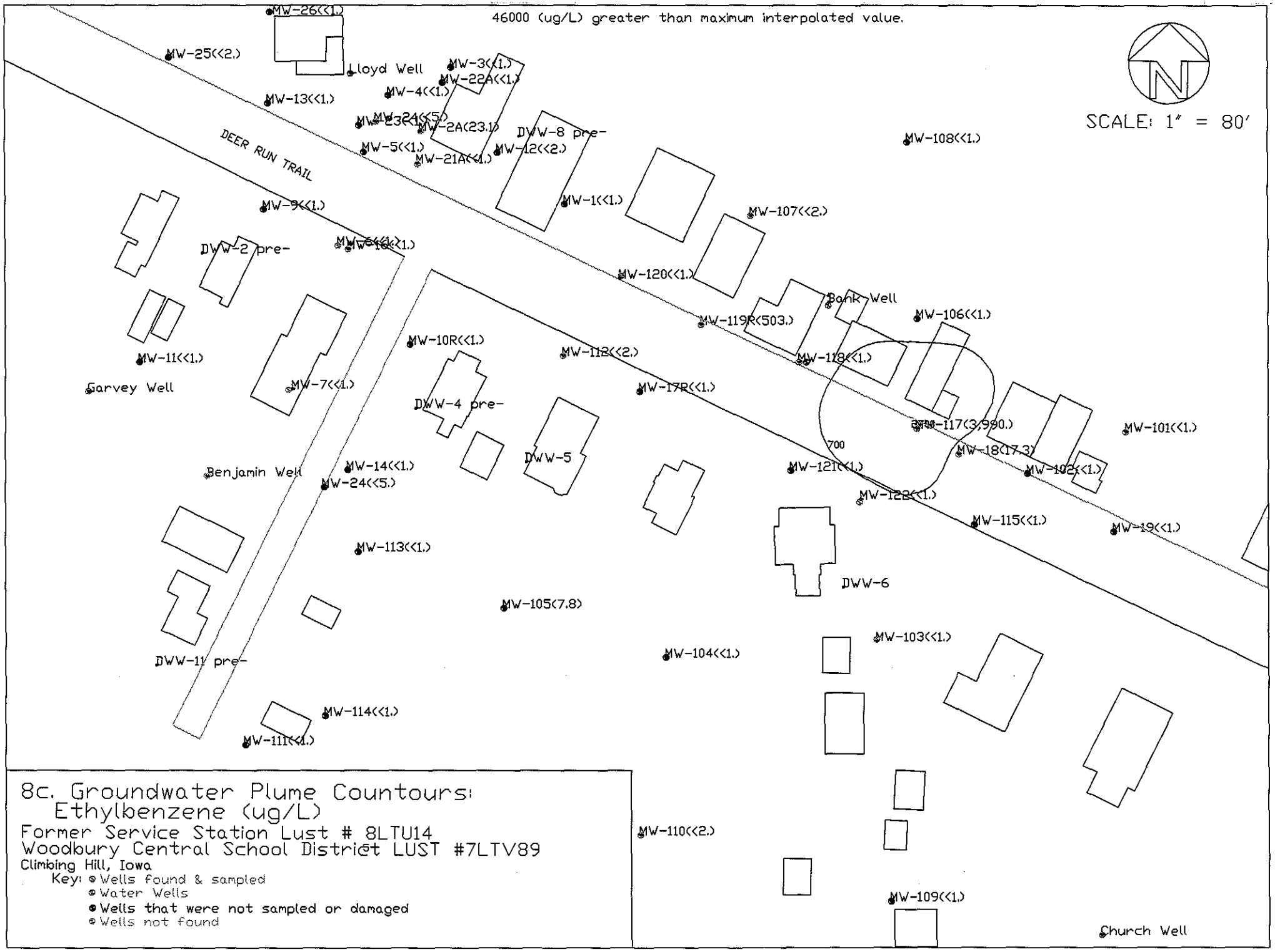
Key:
- Wells found & sampled
- Water Wells
- Wells that were not sampled or damaged
- Wells not found



8b. Groundwater Plume Countours:
Toluene (ug/L)

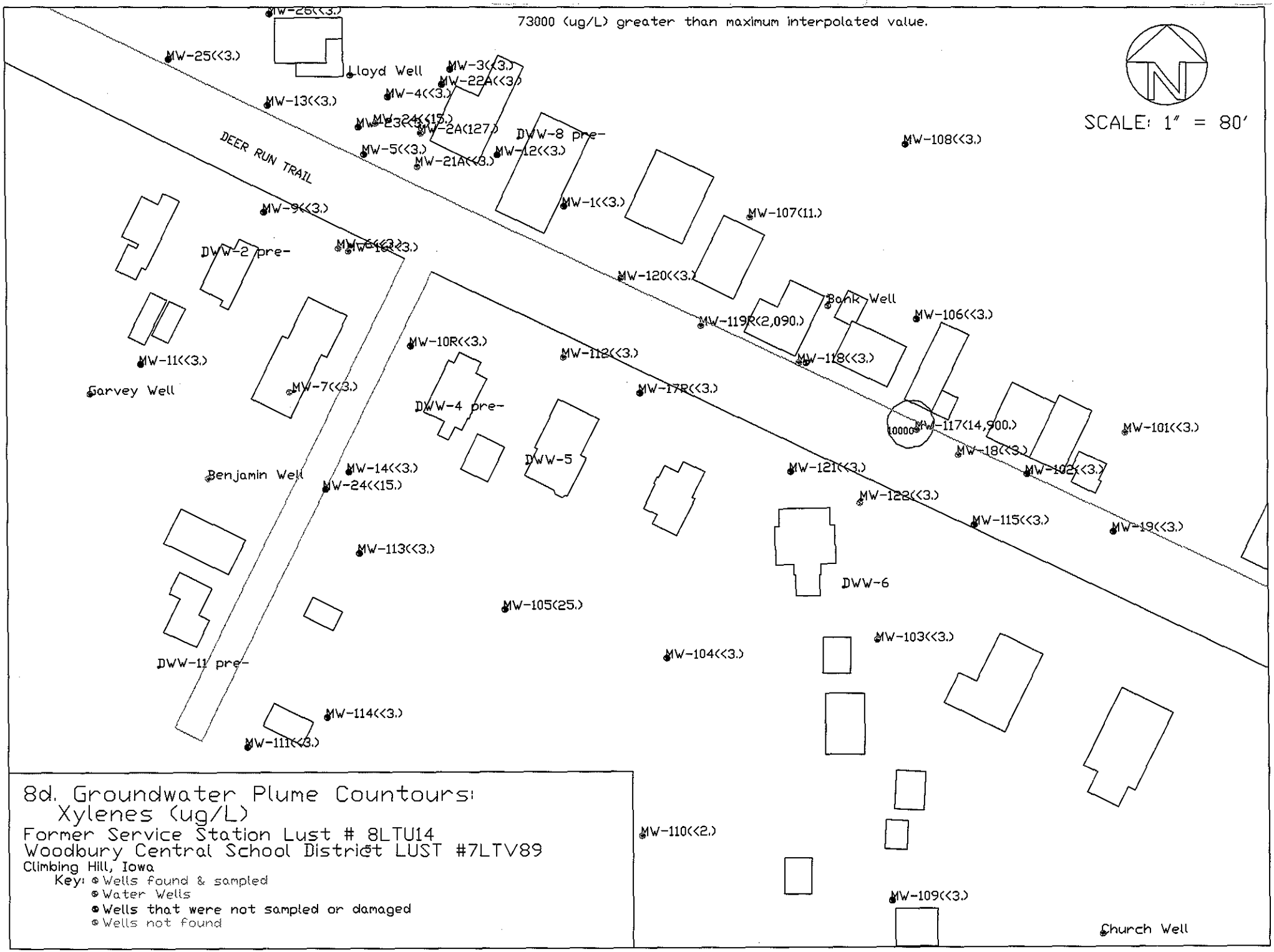
Former Service Station Lust # 8LTU14
Woodbury Central School District LUST #7LTV89
Climbing Hill, Iowa

Key:
- Wells found & sampled
- Water Wells
- Wells that were not sampled or damaged
- Wells not found



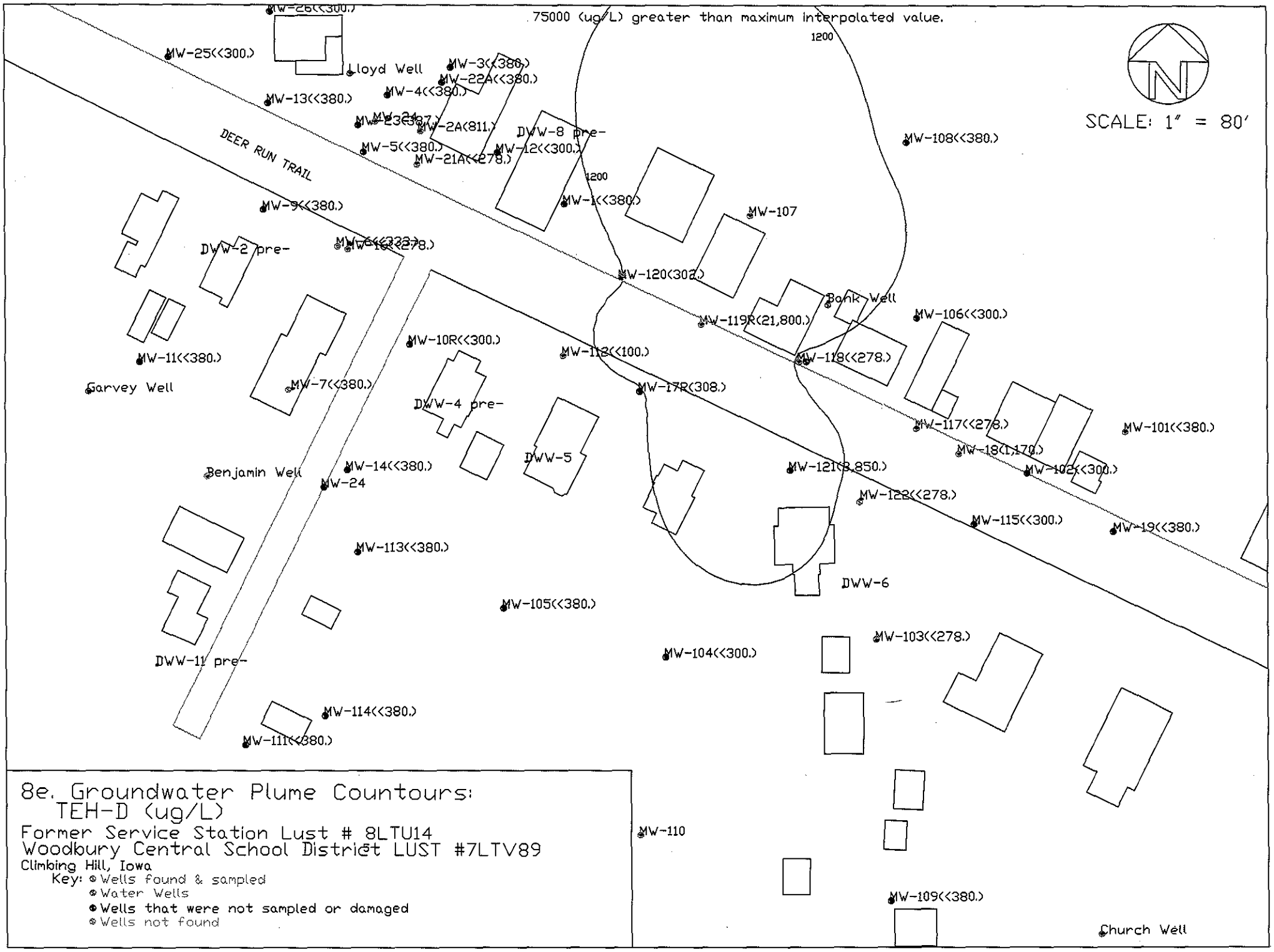
8c. Groundwater Plume Countours:
Ethylbenzene (ug/L)
Former Service Station Lust # 8LTU14
Woodbury Central School District LUST #7LTV89
Climbing Hill, Iowa

Key:
- Wells found & sampled
- Water Wells
- Wells that were not sampled or damaged
- Wells not found



8d. Groundwater Plume Countours:
Xylenes (ug/L)
Former Service Station Lust # 8LTU14
Woodbury Central School District LUST #7LTV89
Climbing Hill, Iowa

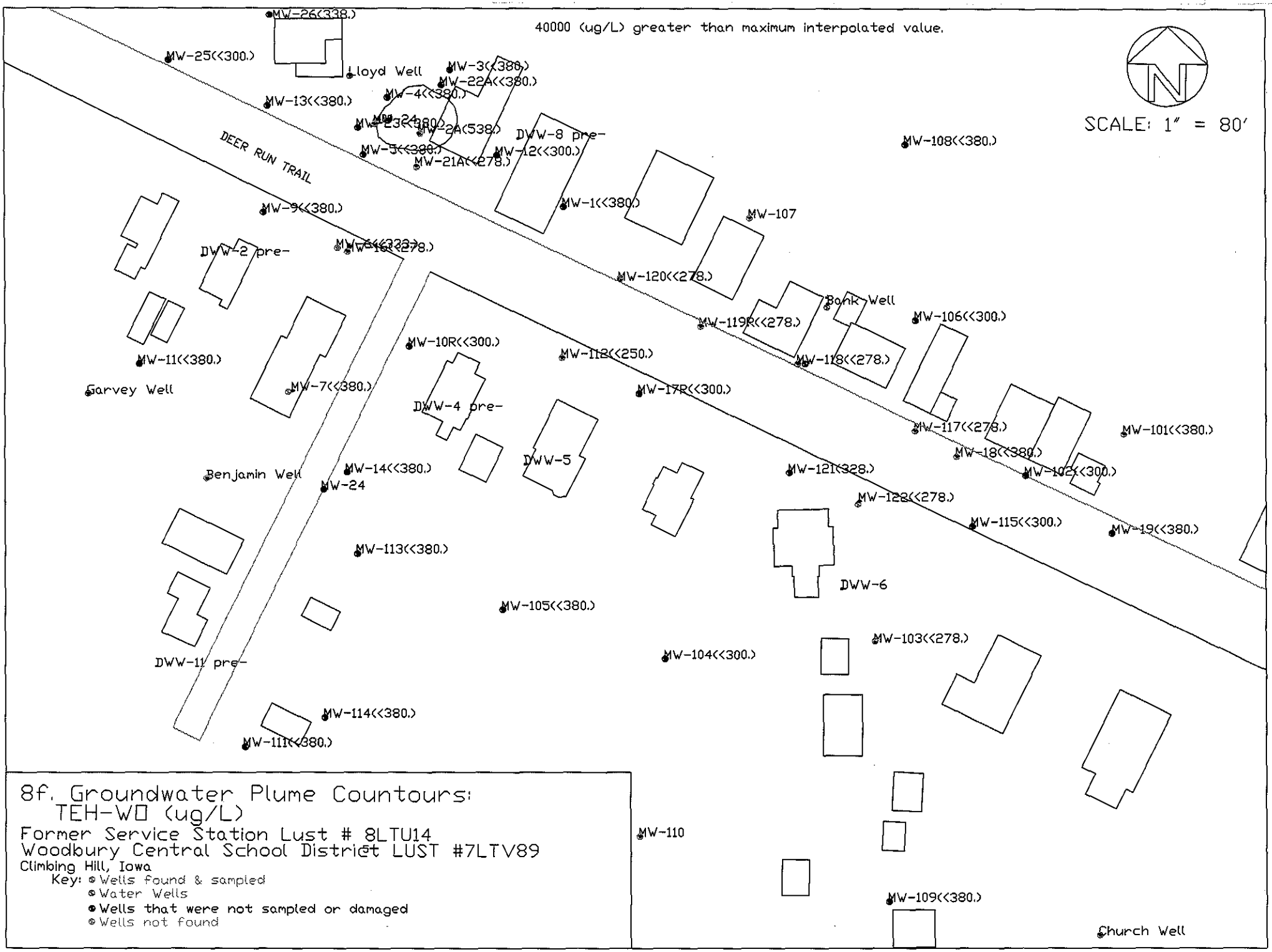
Key:
- Wells found & sampled
- Water Wells
- Wells that were not sampled or damaged
- Wells not found



8e. Groundwater Plume Countours:
TEH-D (ug/L)

Former Service Station Lust # 8LTU14
Woodbury Central School District LUST #7LTV89
Climbing Hill, Iowa

Key:
- Wells found & sampled
- Water Wells
- Wells that were not sampled or damaged
- Wells not found

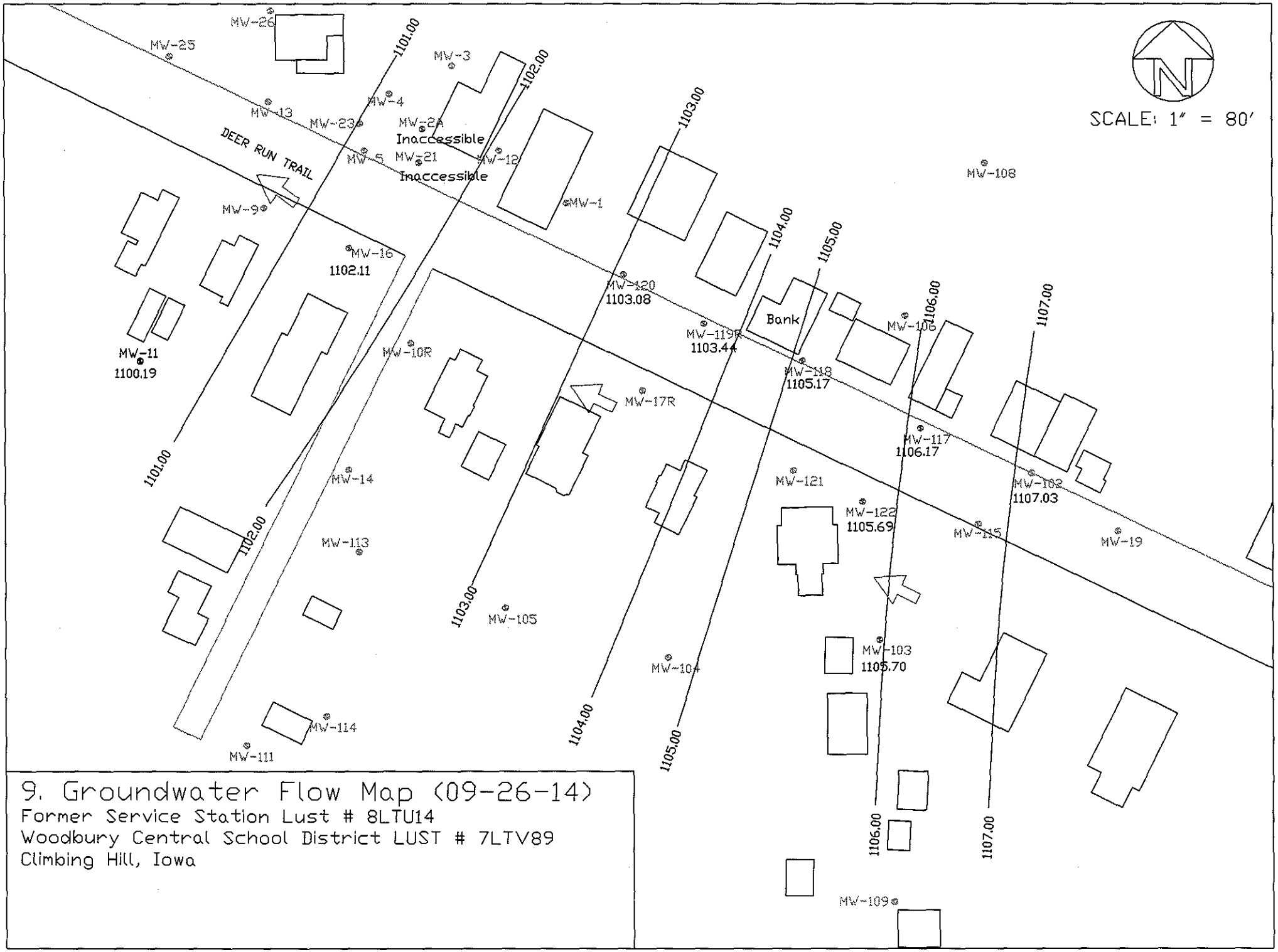


8f. Groundwater Plume Countours:
TEH-W□ (ug/L)
Former Service Station Lust # 8LTU14
Woodbury Central School District LUST #7LTV89
Climbing Hill, Iowa

Key:
- Wells found & sampled
- Water Wells
- Wells that were not sampled or damaged
- Wells not found

APPENDIX 9

GROUNDWATER FLOW DIRECTION MAP



9. Groundwater Flow Map (09-26-14)
Former Service Station Lust # 8LTU14
Woodbury Central School District LUST # 7LTV89
Climbing Hill, Iowa

APPENDIX 12

DOCUMENTATION

Well Search Print | Help |

Well Search Report

Subject: Program ID: 8LTU14
Site Name: Former Gas Station
Address: DEER RUN TRAIL Climbing Hill IA, 510150000
XY UTM Coordinates: 246375/4692364
Search Radius (ft): 1000

Date: 10/16/2014

Included in search	No. of wells	Database
X	1	IGS well database General well database maintained by IGS, location accuracy varies 3,730 to 25 ft., last updated 8/2005.
X	1	Public wells Muncipal and nonmunicipal public well databases maintained by IGS, location varies 3,730 to 25 ft., under development.
X	1	SDWIS public wells Public well database developed from the Safe Drinking Water Information System database maintained by IDNR, estimated locational accuracy varies from 15m. to 3300m. Created from 5/2005 data.
X	10	Private well tracking system IDNR database management system for Grants-to-counties-covered wells. Locational accuracy unknown, assumed to be +/- 17 m., Last update 7/2005.
X	7	Wells registered for testing Wells tested under Grant-to-Counties program. Locational accuracy varies 1150 to 150 m.; Last update 9/2001, no future updates planned.
X	1	Permitted private wells Wells permitted under Grant-to-Counties program. Locational accuracy varies 1150 to 150 m.; Last update 9/2001, no future updates planned.
X	0	Registered abandoned wells Wells abandoned under Grant-to-Counties program. Locational accuracy varies 1150 to 150 m.; Last update 9/2001, no future updates planned.
X	0	Water use facilities Wells used by facilities permitted to withdraw >25,000 gallons per day, locational accuracy is +/-20m to 1150 m. Created from 7/2005 data.
X	0	Municipal wells and intakes Locational accuracy 220 m., last updated 8/96.
X	0	Ag drainage wells Locational accuracy 100 m., last updated 4/98.

Well Search Detail

Subject: XY UTM Coordinates: 246376/4692364
Search Radius (ft): 1000

IGS Well Database

Map ID	Well No.	Location	Accuracy	Dist. From Point	Well Depth	Construction/ Permit Date	Owner/Permittees	Other Information
19283	35761	T. 87N., R. 45W., Sec. 16, SE, SE, SE	Calc. +/- 140 m.	206 (m)	82	11/30/1993	BENJAMIN, PAT	Well type: Private

Public Wells

Map ID	Well No.	Location	Accuracy	Dist. From Point	Well Depth	Construction/ Permit Date	Owner/Permittees	Other Information
19238	58755	T. 87N., R. 45W., Sec. 16	GPS	(m)	65		The Barn (climbing Hill)	Local name: The Barn (climbing Hill) #1; Status: Plugged

SDWIS public wells

Map ID	Well No.	Location	Accuracy	Dist. From Point	Well Depth	Construction/ Permit Date	Owner/Permittees	Other Information
19322	2412138	T87N, R45W, Sec. 21, NE, NE, NE	+/- 15 m.	37 (m)	unkn		First Trust And Savings, Climbing Hill	Well # 1 ( ); PWSID: 9715869; Status: Inactive

Private Well Tracking System

Map ID	Well No.	Location	Accuracy	Dist. From Point	Well Depth	Construction/ Permit Date	Owner/Permittees	Other Information
19246	2092688	T. 87 N., R. 45W., Sec. 16, SW, SW, SE, SW, NW	nom. +/- 25m.	279 (m)	78	07/26/2003		Status: Active; Well use: Household
19279	2095449	T. 87 N., R. 45W., Sec. 16, SW, SW, SE, SW, NE	nom. +/- 25m.	219 (m)	122	11/07/2003		Status: Retired; Well use: Household, Livestock
19330	2120756	T. 87 N., R. 45W., Sec. 21, NE, NE, NE, NE, SE	nom. +/- 25m.	44 (m)	1	01/01/1846	BENJAMIN, PAT	Status: Active; Well use: Household
19341	2124943	T. 87 N., R. 45W., Sec. 21, NE, NE, NE, SW, NE	nom. +/- 25m.	25 (m)	93	06/23/1987	BORAOWSKI, RUSSELL	Status: Active; Well use: Household
19281	2106776	T. 87 N., R. 45W., Sec. 16, SW,	nom. +/- 25m.	200 (m)	72	06/10/1974	LITTLE, GARRETT	Status: Plugged; Well

		SW, SW, SE, NE						use: Household
19297	2145826	T. 87 N., R. 45W., Sec. 16, SW, SE, SW, SW, NE	nom. +/- 25m.	299 (m)	75	12/22/2009	PESCHEL, SHANNON	Status: Active Log; Well use: Household
19325	2095450	T. 87 N., R. 45W., Sec. 16, SW, SW, SW, NW, SW	nom. +/- 25m.	33 (m)	135	04/01/2004	ROGERS, PATRICK	Status: Retired; Well use: Household
19335	2098533	T. 87 N., R. 45W., Sec. 21, NE, NE, NE, NE, SW	nom. +/- 25m.	53 (m)	120	01/01/1985	SCHLEIS, CHARLES	Status: Active; Well use: Household
19294	2107458	T. 87 N., R. 45W., Sec. 21, NE, NE, NW, NE, SE	nom. +/- 25m.	222 (m)	100	03/01/2004	SCHULZ, KAY	Status: Active; Well use: Household
19391	2094355	T. 87 N., R. 45W., Sec. 22,	nom. +/- 25m.	(m)	200	01/01/1980	WEST, DOUG	Status: Active; Well use: Household

Wells Registered For Testing

Map ID	Well No.	Location	Accuracy	Dist. From Point	Well Depth	Construction/ Permit Date	Owner/Permittees	Other Information
19285	71441	T. 87 N., R. 45 W., Sec. 16, SE, SE, SE	Calc. +/- 140m.	207 (m)	unkn	unkn	Hass, Marie	Drilling method: Unknown; Well depth is uncertain
19408	61313	T. 87 N., R. 45 W., Sec. 21, NE, NE, SE	Calc. +/- 140m.	196 (m)	150	1960	Kunze, Robin	Drilling method: Drilled; Known well depth
19410	55004	T. 87 N., R. 45 W., Sec. 21, NE, NE, SE	Calc. +/- 140m.	194 (m)	150	1960	Kunze, Robin	Drilling method: Drilled; Known well depth
19374	9202	T. 87 N., R. 45 W., Sec. 21, NE, NE	Calc. +/- 285m.	149 (m)	90	unkn	McCoy, Marilyn	; Estimated well depth
19365	36343	T. 87 N., R. 45 W., Sec. 21, NE, NE	Calc. +/- 285m.	155 (m)	95	unkn	McCoy, Monty	Drilling method: Unknown; Known well depth
19363	69463	T. 87 N., R. 45 W., Sec. 21, NE, NE	Calc. +/- 285m.	148 (m)	101	1968	Mead, Larry	Drilling method: Drilled; Known well depth
19378	36260	T. 87 N., R. 45 W., Sec. 21, , , , NE, NE	Calc. +/- 285m.	150 (m)	77	unkn	Ross, Margie J.	Drilling method: Drilled;

Permitted Private Wells

Location	Accuracy	Owner/Permittees

Map ID	Well No.			Dist. From Point	Well Depth	Construction/ Permit Date		Other Information
19284	28023	T. 87 N., R. 45 W., Sec. 16, SE, SE, SE	Calc. +/- 140m.	202 (m)	250	1/10/2001	Smith, Steve	Primary use: monitoring

Abandoned Wells (plugged)

Map ID	Well No.	Location	Accuracy	Dist. From Point	Well Depth	Construction/ Permit Date	Owner/Permittees	Other Information
No records found from this data source								

Water Use Facilities

Map ID	Well No.	Location	Accuracy	Dist. From Point	Well Depth	Construction/ Permit Date	Owner/Permittees	Other Information
No records found from this data source								

Municipal Wells And Intakes

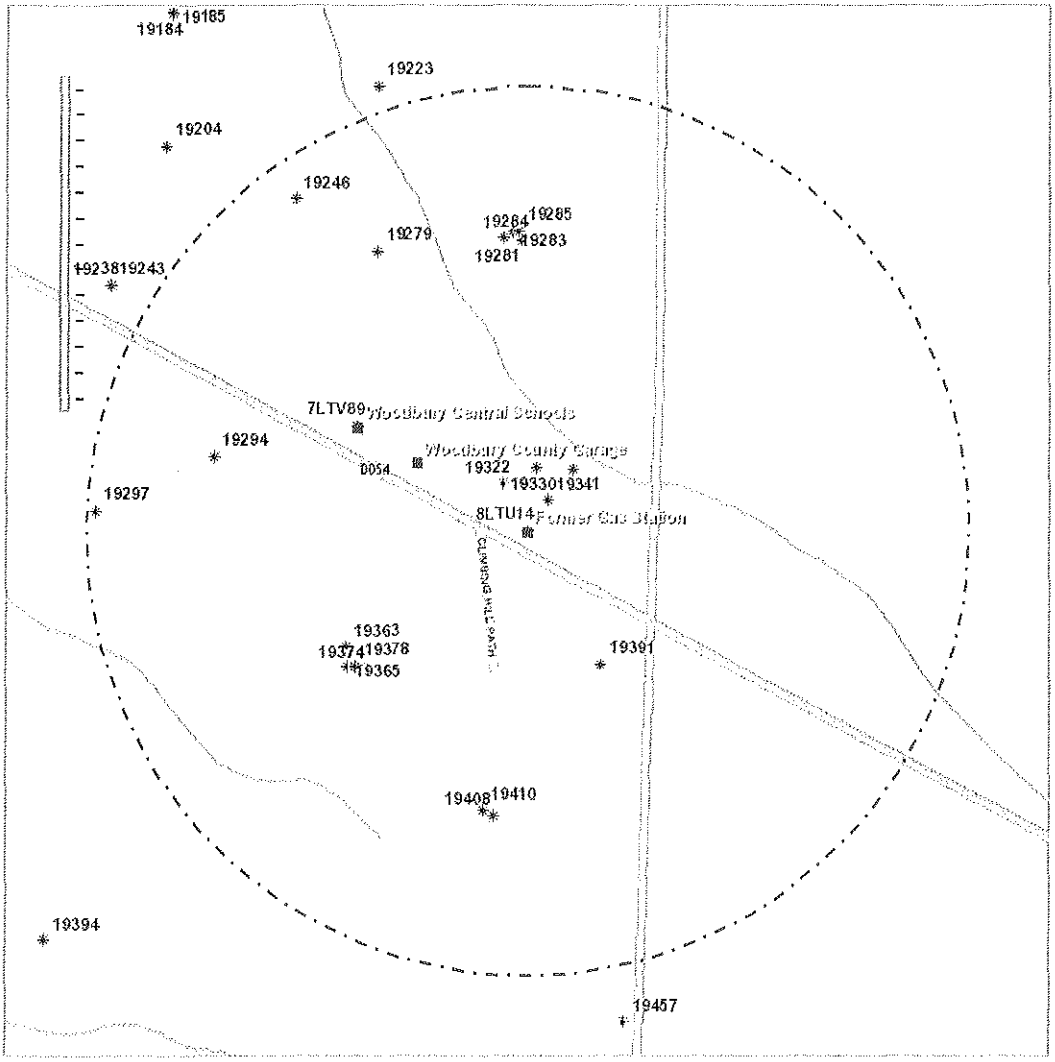
Map ID	Well No.	Location	Accuracy	Dist. From Point	Well Depth	Construction/ Permit Date	Owner/Permittees	Other Information
No records found from this data source								

Ag Drainage Wells

Map ID	Well No.	Location	Accuracy	Dist. From Point	Well Depth	Construction/ Permit Date	Owner/Permittees	Other Information
No records found from this data source								

Well Search Buffered Map

Subject: XY UTM Coordinates: 246376/4692364
Search Radius (ft): 1000



Map Notes:
- UST
- LUST
- Wells

Please refer to the Accuracy column in Well Search Detail.
Since multiple points can be at the same spot (as those located to the center of a quarter section), points were randomly dispersed within 10 meters around that spot so all points can be seen.

Well Search Print | Help |

Well Search Report

Subject: Program ID: 7LTV89
Site Name: Woodbury Central Schools
Address: 79 HWY D54 W Climbing Hill IA, 510150000
XY UTM Coordinates: 246258/4692436
Search Radius (ft): 1000

Date: 10/16/2014

Included in search	No. of wells	Database
X	1	IGS well database General well database maintained by IGS, location accuracy varies 3,730 to 25 ft., last updated 8/2005.
X	1	Public wells Muncipal and nonmunicipal public well databases maintained by IGS, location varies 3,730 to 25 ft., under development.
X	3	SDWIS public wells Public well database developed from the Safe Drinking Water Information System database maintained by IDNR, estimated locational accuracy varies from 15m. to 3300m. Created from 5/2005 data.
X	12	Private well tracking system IDNR database management system for Grants-to-counties-covered wells. Locational accuracy unknown, assumed to be +/- 17 m., Last update 7/2005.
X	8	Wells registered for testing Wells tested under Grant-to-Counties program. Locational accuracy varies 1150 to 150 m.; Last update 9/2001, no future updates planned.
X	1	Permitted private wells Wells permitted under Grant-to-Counties program. Locational accuracy varies 1150 to 150 m.; Last update 9/2001, no future updates planned.
X	0	Registered abandoned wells Wells abandoned under Grant-to-Counties program. Locational accuracy varies 1150 to 150 m.; Last update 9/2001, no future updates planned.
X	0	Water use facilities Wells used by facilities permitted to withdraw >25,000 gallons per day, locational accuracy is +/-20m to 1150 m. Created from 7/2005 data.
X	0	Municipal wells and intakes Locational accuracy 220 m., last updated 8/96.
X	0	Ag drainage wells Locational accuracy 100 m., last updated 4/98.

Well Search Detail

Subject: XY UTM Coordinates: 246256/4692434
Search Radius (ft): 1000

IGS Well Database

Map ID	Well No.	Location	Accuracy	Dist. From Point	Well Depth	Construction/ Permit Date	Owner/Permittees	Other Information
19283	35761	T. 87N., R. 45W., Sec. 16, SE, SE, SE	Calc. +/- 140 m.	173 (m)	82	11/30/1993	BENJAMIN, PAT	Well type: Private

Public Wells

Map ID	Well No.	Location	Accuracy	Dist. From Point	Well Depth	Construction/ Permit Date	Owner/Permittees	Other Information
19238	58755	T. 87N., R. 45W., Sec. 16	GPS	196 (m)	65		The Barn (climbing Hill)	Local name: The Barn (climbing Hill) #1; Status: Plugged

SDWIS public wells

Map ID	Well No.	Location	Accuracy	Dist. From Point	Well Depth	Construction/ Permit Date	Owner/Permittees	Other Information
19322	2412138	T87N, R45W, Sec. 21, NE, NE, NE	+/- 15 m.	108 (m)	unkn		First Trust And Savings, Climbing Hill	Well # 1 ( ); PWSID: 9715869; Status: Inactive
19185	2585885	T87N, R45W, Sec. 16, SE, SE, NW	+/- 15 m.	(m)	95		The Barn (climbing Hill)	Well #2 (2004); PWSID: 9715201; Status: Inactive
19243	2577673	T87N, R45W, Sec. 16, SE, SE, SW	+/- 15 m.	196 (m)	82		The Barn (climbing Hill)	Plugged Well #1; PWSID: 9715201; Status: Inactive

Private Well Tracking System

Map ID	Well No.	Location	Accuracy	Dist. From Point	Well Depth	Construction/ Permit Date	Owner/Permittees	Other Information
19246	2092688	T. 87 N., R. 45W., Sec. 16, SW, SW, SE, SW, NW	nom. +/- 25m.	163 (m)	78	07/26/2003		Status: Active; Well use: Household
19279	2095449	T. 87 N., R. 45W., Sec. 16, SW, SW, SE, SW, NE	nom. +/- 25m.	123 (m)	122	11/07/2003		Status: Retired; Well use: Household, Livestock
19330	2120756				1	01/01/1846	BENJAMIN, PAT	

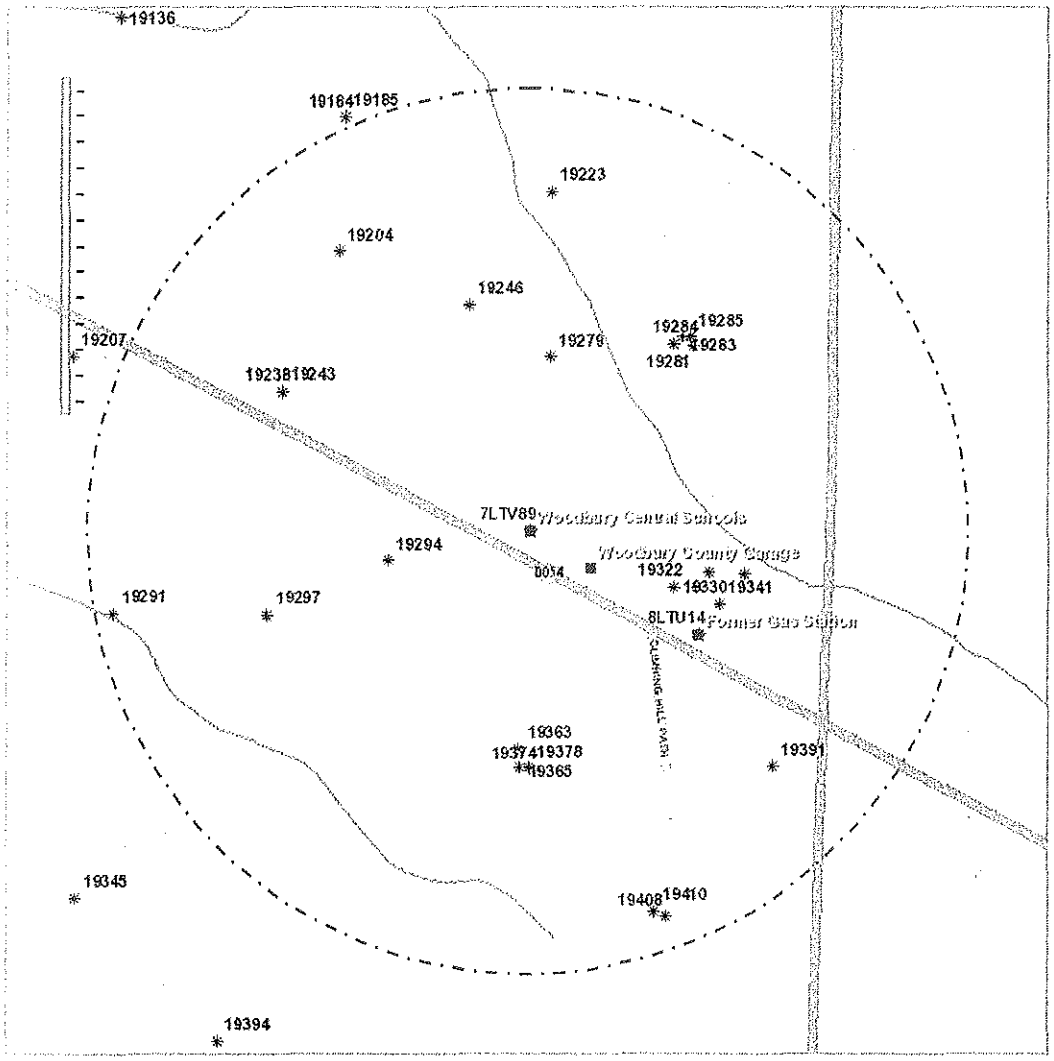
		T. 87 N., R. 45W., Sec. 21, NE, NE, NE, NE, SE	nom. +/- 25m.	128 (m)				Status: Active; Well use: Household
19341	2124943	T. 87 N., R. 45W., Sec. 21, NE, NE, NE, SW, NE	nom. +/- 25m.	142 (m)	93	06/23/1987	BORAOWSKI, RUSSELL	Status: Active; Well use: Household
19291	2135100	T. 87 N., R. 45W., Sec. 16, SW, SE, SW, SE, NE	nom. +/- 25m.	292 (m)	90	05/01/1992	GOODRICH, DAVID	Status: Active; Well use: Household
19281	2106776	T. 87 N., R. 45W., Sec. 16, SW, SW, SW, SE, NE	nom. +/- 25m.	173 (m)	72	06/10/1974	LITTLE, GARRETT	Status: Plugged; Well use: Household
19297	2145826	T. 87 N., R. 45W., Sec. 16, SW, SE, SW, SW, NE	nom. +/- 25m.	188 (m)	75	12/22/2009	PESCHEL, SHANNON	Status: Active Log; Well use: Household
19325	2095450	T. 87 N., R. 45W., Sec. 16, SW, SW, SW, NW, SW	nom. +/- 25m.	123 (m)	135	04/01/2004	ROGERS, PATRICK	Status: Retired; Well use: Household
19335	2098533	T. 87 N., R. 45W., Sec. 21, NE, NE, NE, NE, SW	nom. +/- 25m.	153 (m)	120	01/01/1985	SCHLEIS, CHARLES	Status: Active; Well use: Household
19294	2107458	T. 87 N., R. 45W., Sec. 21, NE, NE, NW, NE, SE	nom. +/- 25m.	99 (m)	100	03/01/2004	SCHULZ, KAY	Status: Active; Well use: Household
19204	2124938	T. 87 N., R. 45W., Sec. 16, SW, SW, SE, NW, SE	nom. +/- 25m.	234 (m)	80	08/15/1982	STEINHAUER, PHYLLIS	Status: Active; Well use: Household
19391	2094355	T. 87 N., R. 45W., Sec. 22,	nom. +/- 25m.	235 (m)	200	01/01/1980	WEST, DOUG	Status: Active; Well use: Household

Wells Registered For Testing

Map ID	Well No.	Location	Accuracy	Dist. From Point	Well Depth	Construction/ Permit Date	Owner/Permittees	Other Information
19223	18136	T. 87 N., R. 45 W., Sec. 16, SE, SE	Calc. +/- 285m.	236 (m)	61	1984	Carlson, Barbara	Drilling method: Drilled; Known well depth
19285	71441	T. 87 N., R. 45 W., Sec. 16, SE, SE, SE	Calc. +/- 140m.	177 (m)	unkn	unkn	Hass, Marie	Drilling method: Unknown; Well depth is uncertain
19408	61313				150	1960	Kunze, Robin	

Well Search Buffered Map

Subject: XY UTM Coordinates: 246256/4692434
Search Radius (ft): 1000



Map Notes:
UST
LUST
Wells
Please refer to the Accuracy column in Well Search Detail.
Since multiple points can be at the same spot (as those located to the center of a quarter section), points were randomly dispersed within 10 meters around that spot so all points can be seen.