



MISSOURI DEPARTMENT OF
NATURAL RESOURCES
WATER PROTECTION PROGRAM
WELLHEAD PROTECTION SECTION
MONITORING WELL
CERTIFICATION RECORD

OFFICE USE ONLY		DATE RECEIVED	
REF NO.			
CR NO.		CHECK NO.	
STATE WELL NUMBER		REVENUE NO.	
ENTERED	APPROVED BY	DATE	ROUTE
P01	P02	P03	

INFORMATION SUPPLIED BY PRIMARY CONTRACTOR OR DRILLING CONTRACTOR

OWNER NAME Ameren		WELL NUMBER 199		VARIANCE GRANTED BY DNR ☐ Yes. Attach a copy or provide number of variance.
OWNER ADDRESS 1901 Chouteau Ave.		CITY St. Louis	STATE MO	

SITE NAME Labadie Power Plant		CONTACT NAME Paul Pike		
SITE ADDRESS 226 Labadie Power Plant Rd., MC LBD-645		CITY Labadie	STATE MO	ZIP CODE 63055

PROPOSED USE OF WELL		TYPE OF POTENTIAL SITE		MONITORING FOR: (CHECK ALL THAT APPLY)	
☐ Gas Monitoring Well	☐ Monitoring	☐ Hazardous Material	☒ Landfill	☐ Radionuclides	☐ Petroleum Products Only
☐ Extraction Well	☒ Piezometers	☐ Initial Site Assessment	☐ L.U.S.T.	☐ Explosives	☒ Metals
		☐ Water Level Drawdown		☐ SVOCs	☐ Pesticides/Herbicides

AREA 1	COUNTY Franklin	ELEVATION @465'	SMALLEST		LARGEST	
LOCATION OF WELL			Section 17 Township 44 North Range 2 ☒ East ☐ West			
Lat. 38° 33' 14N Long. 90° 49' 13W						

TYPE OF SURFACE COMPLETION	☒ Above Ground ☐ Flush Mount	LENGTH OF PROTECTIVE CASING 5 ft.	DIAMETER OF PROTECTIVE CASING 6 in.	DIAMETER AND DEPTH OF THE HOLE PROTECTIVE CASING WAS PLACED 14 in. 2 ft.	PROTECTIVE CASING MATERIAL PVC	☐ Steel ☐ Aluminum ☒ Plastic	LOCKING CAP? ☒ Yes ☐ No
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WEEP HOLE? ☒ Yes ☐ No	VENTED CAP? ☒ Yes ☐ No	LENGTH OF FLUSH MOUNT ft.	DIAMETER OF FLUSH MOUNT ft.	DIAMETER AND DEPTH OF THE HOLE FLUSH MOUNT WAS PLACED in. ft.	SURFACE COMPLETION GROUT ☒ Concrete ☐ Other
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RISER PIPE DETAIL	LENGTH 28 ft.	DIAMETER 4 in.	WEIGHT OR SDR# 40	DIAMETER OF DRILL HOLE 0.85 ft.	MATERIAL ☐ Steel ☒ Thermoplastic (PVC) ☐ Other	BENTONITE SEAL	LENGTH OF SEAL 3 ft.	MATERIAL ☒ Slurry ☐ Pellets ☐ Granular ☐ Chips

GLUED ☐ Yes ☒ No	SECONDARY FILTER PACK				DEPTH		FORMATION DESCRIPTION
	☒ Saturated Zone	☐ Unsaturated Zone	Hydrated ☒ Yes ☐ No	☐ Both Zones	FROM	TO	

PRIMARY FILTER PACK	LENGTH 13.3 ft.	DEPTH TO TOP OF PRIMARY FILTER PACK 21.6 ft.	SECONDARY FILTER PACK LENGTH 1.8 ft.	TD: 35ft	Silt and Clay VF-F Sand VF-F Gley Sand Coarse Sand
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ANNULAR SEAL	☒ Bentonite Slurry	☐ Cement/Bentonite Slurry	LENGTH 16.8 ft.
	☐ Non Slurry Bentonite Type	☐ Bags of Cement Used ☐ % of Bentonite Used	
☒ Water Used/Bag 25 gal.			

WELL SCREEN	LENGTH 10 ft.	DIAMETER 4" ft.	DIAMETER OF DRILL HOLE 10.3 in.	DEPTH TO TOP OF SCREEN 24.6 ft.	MATERIAL ☐ Steel ☒ Thermoplastic (PVC) ☐ Other
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Multiple Cased Wells ☐ Yes ☒ No	Pump Installed for Remediation ☐ Yes
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Submit additional as built diagrams showing well construction details including type and size of all casing, hole diameters and grout used.

STATIC WATER LEVEL NI FEET FROM MEASURING POINT	DATE WELL DRILLING WAS COMPLETED 12/17
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SIGNATURE (PRIMARY CONTRACTOR)	PERMIT NUMBER 2876M
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I hereby certify that the monitoring well herein described was constructed in accordance with the Department of Natural Resources requirements for the construction of monitoring wells.

SIGNATURE (WELL DRILLER)	PERMIT NUMBER 2836	DATE 1/4/10
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SIGNATURE (APPRENTICE)	PERMIT NUMBER	DATE
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TOTAL DEPTH:



MISSOURI DEPARTMENT OF
NATURAL RESOURCES
WATER PROTECTION PROGRAM
WELLHEAD PROTECTION SECTION
**MONITORING WELL
CERTIFICATION RECORD**

OFFICE USE ONLY		DATE RECEIVED	
REF NO.			
C.R. NO.		CHECK NO.	
STATE WELL NUMBER		REVENUE NO.	
ENTERED	APPROVED BY	DATE	ROUTE
PH1	PH2	PH3	

INFORMATION SUPPLIED BY PRIMARY CONTRACTOR OR DRILLING CONTRACTOR

OWNER NAME Ameren				WELL NUMBER 201		VARIANCE GRANTED BY DNR ☐ Yes. Attach a copy or provide number of variance.			
OWNER ADDRESS 1901 Chouteau Ave.		CITY St. Louis		STATE MO	ZIP CODE 63166				
SITE NAME Labadie Power Plant				CONTACT NAME Paul Pike					
SITE ADDRESS 226 Labadie Power Plant Rd., MC LBD-645				CITY Labadie		STATE MO	ZIP CODE 63055		
PROPOSED USE OF WELL ☐ Gas Monitoring Well ☐ Monitoring ☐ Extraction Well ☒ Piezometers				TYPE OF POTENTIAL SITE ☐ Hazardous Material ☒ Landfill ☐ Initial Site Assessment ☐ L.U.S.T. ☐ Water Level Drawdown		MONITORING FOR: (CHECK ALL THAT APPLY) ☐ Radionuclides ☐ Petroleum Products Only ☐ Explosives ☒ Metals ☐ VOC ☐ SVOCs ☐ Pesticides/Herbicides			
AREA 1	COUNTY Franklin	ELEVATION @465'	SMALLEST LARGEST						
LOCATION OF WELL Lat. 38 ° 33 ' 12N ° Long. 90 ° 49 ' 6W °			Section 17 Township 44 North Range 2 ☒ East ☐ West						
TYPE OF SURFACE COMPLETION ☒ Above Ground ☐ Flush Mount		LENGTH OF PROTECTIVE CASING 5 ft.	DIAMETER OF PROTECTIVE CASING 4x4 in.	DIAMETER AND DEPTH OF THE HOLE PROTECTIVE CASING WAS PLACED 12 in. 2 ft.	PROTECTIVE CASING MATERIAL PVC	☒ Steel ☐ Aluminum ☐ Plastic	LOCKING CAP? ☒ Yes ☐ No		
WEEP HOLE? ☒ Yes ☐ No	VENTED CAP? ☒ Yes ☐ No	LENGTH OF FLUSH MOUNT ft.	DIAMETER OF FLUSH MOUNT ft.	DIAMETER AND DEPTH OF THE HOLE FLUSH MOUNT WAS PLACED in. ft.	SURFACE COMPLETION GROUT ☒ Concrete ☐ Other _____				
RISER PIPE DETAIL	LENGTH 28 ft.	DIAMETER 2 in.	WEIGHT OR SDR# 40	DIAMETER OF DRILL HOLE .69 ft.	MATERIAL ☐ Steel ☒ Thermoplastic (PVC) ☐ Other _____	BENTONITE SEAL 3 ft.	LENGTH OF SEAL 3 ft.	MATERIAL ☒ Slurry ☐ Pellets ☐ Granular ☐ Chips	
	GLUED ☐ Yes ☒ No		SECONDARY FILTER PACK ☒ Saturated Zone ☐ Unsaturated Zone Hydrated ☒ Yes ☐ No ☐ Both Zones If Yes, Hydrated ☐ Yes ☐ No			DEPTH FROM TO 0 10 10 23 23 28 28 35			FORMATION DESCRIPTION Silt and Clay Very Fine Silty Gley Sand Very Fine Sand Medium Sand
PRIMARY FILTER PACK	LENGTH 13.7 ft.	DEPTH TO TOP OF PRIMARY FILTER PACK 21.3 ft.		SECONDARY FILTER PACK LENGTH 1.3 ft.					
ANNULAR SEAL	☒ Bentonite Slurry ☐ Cement/Bentonite Slurry ☐ Non Slurry Bentonite Type ☐ Bags of Cement Used _____ ☐ % of Bentonite Used _____ ☒ Water Used/Bag 25 gal.			LENGTH 17.0 ft.					
WELL SCREEN	LENGTH 10 ft.	DIAMETER 2" ft.	DIAMETER OF DRILL HOLE 8.25 in.	DEPTH TO TOP OF SCREEN 24.7 ft.	MATERIAL ☐ Steel ☒ Thermoplastic (PVC) ☐ Other _____				
Multiple Cased Wells ☐ Yes ☒ No Pump Installed for Remediation ☐ Yes									
Submit additional as built diagrams showing well construction details including type and size of all casing, hole diameters and grout used.									
STATIC WATER LEVEL NI FEET FROM MEASURING POINT				DATE WELL DRILLING WAS COMPLETED 12/17					
SIGNATURE (PRIMARY CONTRACTOR) <i>[Signature]</i>				PERMIT NUMBER 2876M					
I hereby certify that the monitoring well herein described was constructed in accordance with the Department of Natural Resources requirements for the construction of monitoring wells.									
SIGNATURE (WELL DRILLER) <i>[Signature]</i>				PERMIT NUMBER 2836		DATE 1/4/10			
SIGNATURE (APPRENTICE) <i>[Signature]</i>				PERMIT NUMBER		DATE			
TOTAL DEPTH:									

Appendix 8

Development Records

Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant

Prepared by: GREDELL Engineering Resources, Inc.

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Location: Ameren Labadie Plant DSI						Date: 10/07/09			
Piezometer:		P-33		Initial Depth to Groundwater (ft, btoc):			15.40 ft		
Borehole Diameter:		8.25"		Base of Well (ft, btoc):			37.30 ft		
Casing Diameter:		2"		Filter Pack Hgt (ft):			14.3 ft		
Development method:				Screened Interval Lithology: Gravelly sand					
Date/Time of each purge		Purge Volume (cummulative) (gallons)	Casing Volume (gallons)	Annular Volume (gallons)	Tremie Volume (gallons)	Total Purge Volume (gallons)	Turbidity (visual)	Initial Water Level (ft., btoc)	Ending Water Level (ft., btoc)
10/7	10:43		3.5	6.1	30	59		15.40	
	2:45 - 2:56	20						15.40	
	3:03 - 3:18	20 (40)							
	3:25 - 3:36	20 (60)							15.35
10/12	1:30							12.47	
Comments:									
Name:	Scott King			Company:			Gredell Engineering Resources, Inc.		

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Location: Ameren Labadie Plant DSI						Date: 10/12/09		
Piezometer:	P-38					Initial Depth to Groundwater (ft., btoc): 11.34 ft		
Borehole Diameter:	8.25"					Base of Well (ft, btoc): 37.16 ft		
Casing Diameter:	2"					Filter Pack Hgt (ft): 15.3 ft		
Development method: Submersible Pump/Bailer						Screened Interval Lithology: sand		
Date/Time of each purge	Purge Volume (cummulative) (gallons)	Casing Volume (gallons)	Annular Volume (gallons)	Tremie Volume (gallons)	Total Purge Volume (gallons)	Turbidity (visual)	Initial Water Level (ft., btoc)	Ending Water Level (ft., btoc)
10/12 9:20		4.1	6.6	40	72		11.34	
10/12 9:39							11.34	
10/12 9:39 - 9:51	20							
10/12 9:57 - 10:11	20 (40)							
10/12 10:18 - 10:32	20 (60)							
10/12 10:37 - stop								
10/12 11:41 - start							11.32	
10/12 11:42 - 11:51	12 (72)							11.28
Comments:								
Name:	Scott King					Company:	Gredell Engineering Resources, Inc.	

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Piezometer Development Record

Location: Ameren Labadie Plant DSI						Date: 11/30/09		
Piezometer:	P-136					Initial Depth to Groundwater (ft, btoc): 4.43 ft		
Borehole Diameter:	10.25"					Base of Well (ft, btoc): 37.63 ft		
Casing Diameter:	4"					Filter Pack Hgt (ft): 14.7 ft		
Development method:						Screened Interval Lithology: Medium-Gravelly sand		
Date/Time of each purge	Submersible Pump/Bailer			Tremie Volume (gallons)	Total Purge Volume (gallons)	Turbidity (visual)	Initial Water Level (ft., btoc)	Ending Water Level (ft., btoc)
	Purge Volume (cumulative) (gallons)	Casing Volume (gallons)	Annular Volume (gallons)					
11/30	2:50		21.6	16	70	183	4.43	
11/30	2:56 - 3:08	112.5						
11/30	3:08 - 3:18	73 (185.5)						5.76
Comments:								
Name:	Travis Doll & Scott King					Company:	Gredell Engineering Resources, Inc.	

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Location: Ameren Labadie Plant DSI						Date: 12/02/09					
Piezometer: P-146						Initial Depth to Groundwater (ft, btoc): 5.38 ft					
Borehole Diameter: 8.25"						Base of Well (ft, btoc): 37.28 ft					
Casing Diameter: 2"						Filter Pack Hgt (ft): 16.8 ft					
Development method:						Screened Interval Lithology: Gravelly sand					
Date/Time of each purge		Purge Volume (cummulative) (gallons)	Casing Volume (gallons)	Annular Volume (gallons)	Tremie Volume (gallons)	Total Purge Volume (gallons)	Turbidity (visual)	Initial Water Level (ft., btoc)	Ending Water Level (ft., btoc)		
12/2	12:03		5.1	7.2	34	71		5.38			
12/2	12:05 - 12:19	2									
12/2	12:21 - 12:32	20 (22)									
12/2	1:02 - 1:13	20 (42)									
12/2	1:19 - 1:29	20 (62)									
12/2	1:32 - 1:38	10 (72)							5.46		
Comments:											
Name:	Scott King					Company: Gredell Engineering Resources, Inc.					

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Company: Gredell Engineering Resources, Inc.

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AMEREN - Labadie Plant DSI - Well Development Field Data Sheet

Well ID	Date	Total Depth (BTOC)	Csg Dia. (inches)	Filter Sand Hgt (feet)	Initial WL		Water Column Height	Annular Volume	Casing Volume	Tremie Volume	Total Purge Volume	Remarks
	Drilled				(BTOC)	Date/Time	feet	gallons	gallons	gallons	gallons	
9	10/20/09	37.97	4	15.5	7.65	11-2/2:34	30.32	16.9	19.7	56	166	Developed 11/2 MCC
12	09/16/09	36.76	2	14.3	14.36	10-13/3:00	22.40	6.1	3.6	25	54	Developed 10/13
15	09/17/09	37.55	2	14.2	13.89	10-13/9:46	23.66	6.1	3.8	30	60	Developed 10/13
17	09/16/09	37.59	2	14.1	14.22	10-13/11:19	23.37	6.1	3.7	30	59	Developed 10/13
19	10/16/09	37.33	4	14.9	6.17	11-2/10:46	31.16	16.2	20.3	53	162	Developed 11/2 MCC
20	09/17/09	37.50	2	14.7	13.46	10-13/8:27	24.04	6.3	3.8	25	56	Developed 10/13
22	10/07/09	37.50	4	13.5	13.21	10-14/2:11	24.29	14.7	15.8	36	128	Developed 10/14
24	09/16/09	37.61	2	14.2	13.78	10-12/1:48	23.83	6.1	3.8	35	65	Developed 10/12
27	09/17/09	38.27	2	14.9	13.25	10-12/3:30	25.02	6.4	4.0	40	71	Developed 10/12
29	09/15/09	37.54	2	14.2	12.12	10-14/10:20	25.42	6.1	4.1	35	66	Developed 10/14
31	10/12/09	37.09	4	15.0	7.81	11-11/5:10	29.28	16.4	19.0	50	156	Developed 11/11 MCC/SK
33	09/14/09	37.30	2	14.3	15.40	10-7/10:43	21.90	6.1	3.5	30	59	Developed 10/7
35	09/15/09	36.41	2	13.7	12.36	10-12/5:35	24.05	5.9	3.8	50	79	Developed 10/12
36	09/15/09	37.49	2	15.3	12.80	10-14/11:47	24.69	6.6	4.0	30	62	Developed 10/14
38	09/22/09	37.16	2	15.3	11.34	10-12/9:20	25.82	6.6	4.1	40	72	Developed 10/12
40	10/12/09	37.73	2	16.0	5.01	11-2/10:08	32.72	6.9	5.2	38	74	Developed 11/2
42	10/06/09	37.40	4	14.8	8.60	10-28/1:31	28.80	16.1	18.7	48	153	Developed 10/28 MCC
43	09/17/09	37.20	2	14.7	9.19	10-19/9:40	28.01	6.3	4.5	35	67	Developed 10/19
45	09/18/09	37.44	2	15.2	10.30	10-15/10:50	27.14	6.5	4.3	40	73	Developed 10/15
47	09/18/09	37.09	2	14.5	10.26	10-15/9:13	26.83	6.2	4.3	50	82	Developed 10/15
49	10/14/09	37.81	2	15.5	6.07	11-2/1:22	31.74	6.7	5.1	38	73	Developed 11/2
51	10/14/09	37.32	2	16.3	8.13	10-26/2:35	29.19	7.0	4.7	40	75	Developed 11/2
53	10/15/09	37.10	4	15.0	7.57	10-29/8:17	29.53	16.4	19.2	53	160	Developed 11/2
55	10/14/09	37.01	2	15.1	6.33	11-2/3:21	30.68	6.5	4.9	40	74	Developed 11/2
57	10/15/09	37.28	4	15.4	7.71	10-29/10:05	29.57	16.8	19.2	69	177	Developed 11/2
59	09/21/09	37.37	2	14.6	7.87	10-19/11:19	29.50	6.3	4.7	38	71	Developed 10/19
61	10/26/09	37.53	4	14.7	6.41	11-12/8:15	31.12	16.0	20.2	50	159	Developed 11/12 MCC/SK
63	09/21/09	37.29	2	15.1	9.17	10-19/1:29	28.12	6.5	4.5	50	83	Developed 10/19
65	10/13/09	37.64	2	14.6	7.08	11-4/10:48	30.56	6.3	4.9	40	74	Developed 11/4
67	10/13/09	37.15	2	14.8	4.23	11-4/12:55	32.92	6.4	5.3	40	75	Developed 11/4
69	10/13/09	37.54	2	14.7	3.94	11-4/2:45	33.60	6.3	5.4	40	75	Developed 11/4
71	10/21/09	37.62	2	14.8	8.03	11-10/2:06	29.59	6.4	4.7	48	81	Developed 11/10
73	11/05/09	36.84	4	14.7	7.51	11-12/8:56	29.33	16.0	19.1	40	145	Developed 11/12 MCC/SK
75	09/28/09	37.23	2	14.6	8.64	10-19/4:23	28.59	6.3	4.6	31	64	Developed 10/19
77	09/28/09	37.45	2	15.1	8.01	10-19/3:18	29.44	6.5	4.7	31	65	Developed 10/19
79	10/28/09	37.60	2	14.7	5.86	11-6/9:32	31.74	6.3	5.1	56	90	Developed 11/6
81	10/28/09	37.43	4	14.8	7.66	11-11/2:07	29.77	16.1	19.4	53	159	Developed 11/11 MCC/SK
83	11/10/09	37.14	2	14.8	5.48	12-1/2:41	31.66	6.4	5.1	30	64	Developed 12/1
85	11/10/09	36.71	4	15.3	4.61	11-30/2:08	32.10	16.7	20.9	50	163	Developed 11/30 TD/SK
87	10/26/09	36.17	2	15.4	6.92	11-9/3:37	29.25	6.6	4.7	50	84	Developed 11-10
88	11/06/09	37.01	2	14.0	4.97	11-20/1:10	32.04	6.0	5.1	60	93	Developed 11/20

AMEREN - Labadie Plant DSI - Well Development Field Data Sheet

Well ID	Date Drilled	Total Depth (BTOC)	Csg Dia. (inches)	Filter Sand Hgt (feet)	Initial WL		Water Column		Annular		Casing		Tremie		Total Purge		Remarks
					(BTOC)	Date/Time	Height feet	Volume gallons	Volume gallons	Volume gallons	Volume gallons	Volume gallons	Volume gallons	Volume gallons	Volume gallons	Volume gallons	
90	09/28/09	37.01	2	15.0	8.10	10-20/11:45	28.91	6.5	4.6	31	64	Developed 10/20					
93	10/20/09	36.90	2	14.5	4.88	11-6/11:16	32.02	6.2	5.1	69	103	Developed 11/6					
95	10/20/09	37.12	2	14.6	6.11	11-6/11:18	31.01	6.3	5.0	60	94	Developed 11/6					
97	10/21/09	36.85	2	14.8	5.98	11-6/3:32	30.87	6.4	4.9	66	100	Developed 11/6					
99	10/21/09	36.55	2	15.0	4.36	11-9/1:47	32.19	6.5	5.2	60	95	Developed 11/9					
102	09/29/09	35.87	2	14.9	7.15	10-20/2:52	28.72	6.4	4.6	31	64	Developed 10/20					
104	10/05/09	37.34	4	15.0	5.14	11-11/2:47	32.20	16.4	20.9	39	151	Developed 11/11 MCC/SK					
106	10/29/09	37.78	2	14.9	4.99	11-9/11:59	32.79	6.4	5.2	50	85	Developed 11/9					
108	11/04/09	37.45	2	15.0	5.70	11-10/3:48	31.75	6.5	5.1	44	79	Developed 11-10					
110	11/04/09	37.01	2	14.9	6.33	11-11/7:11	30.68	6.4	4.9	38	72	Developed 11/11					
112	11/04/09	36.70	2	15.3	6.33	11-11/8:55	30.37	6.6	4.9	31	65	Developed 11/11					
114	11/12/09	37.54	4	14.7	4.75	11-30/1:31	32.79	16.0	21.3	78	190	Developed 11/30 TD/SK					
116	09/29/09	37.48	2	15.2	7.38	10-26/4:21	30.10	6.5	4.8	25	59	Developed 10/26					
118	09/29/09	37.96	2	15.3	5.16	11-12/11:16	32.80	6.6	5.2	28	63	Developed 11/12					
120	10/22/09	37.39	4	15.2	5.45	11-30/12:08	31.94	16.6	20.8	54	166	Developed 11/30 TD/SK					
122	11/10/09	37.44	2	15.1	5.08	11-12/1:22	32.36	6.5	5.2	42	77	Developed 11/12					
124	11/11/09	37.73	2	15.2	6.35	12-3/3:57	31.38	6.5	5.0	48	83	Developed 12/3 SK					
126	11/11/09	36.87	4	15.2	6.65	11-30/12:55	30.22	16.6	19.6	42	151	Developed 11/30 TD/SK					
128	11/07/09	37.39	4	15.2	6.23	11-12/9:30	31.16	16.6	20.3	72	182	Developed 11/12 MCC/SK					
130	09/30/09	37.35	2	15.5	6.31	10-26/12:13	31.04	6.7	5.0	44	79	Developed 10/26					
132	10/15/09	37.71	2	15.0	4.33	11-3/9:50	33.38	6.5	5.3	56	91	Developed 11/3					
134	11/10/09	37.62	2	16.6	4.14	11-12/3:12	33.48	7.1	5.4	20	57	Developed 11/12					
136	11/11/09	37.63	4	14.7	4.43	11-30/2:50	33.20	16.0	21.6	70	183	Developed 11/30 TD/SK					
138	11/12/09	37.05	2	15.1	7.27	12-21/2:33	29.78	6.5	4.8	44	78	Developed 12/21 SK					
140	10/27/09	37.16	2	14.6	6.07	11-11/11:25	31.09	6.3	5.0	44	78	Developed 11/11					
142	11/06/09	37.56	2	15.0	6.01	12-1/4:08	31.55	6.5	5.0	63	97	Developed 12/2					
144	09/30/09	37.52	4	14.7	3.29	11-2/11:37	34.23	16.0	22.2	96	211	Developed 11/2 MCC					
146	11/09/09	37.28	2	16.8	5.38	12-2/12:03	31.90	7.2	5.1	34	71	Developed 12/2					
148	11/09/09	37.42	2	14.4	7.67	12-22/9:55	29.75	6.2	4.8	36	69	Developed 12/22 SK					
150	11/14/09	37.62	2	15.1	6.34	12-22/8:10	31.28	6.5	5.0	36	70	Developed 12/22 SK					
152	11/12/09	37.14	2	15.3	6.39	12-21/4:10	30.75	6.6	4.9	48	82	Developed 12/21 SK					
155	09/30/09	37.33	2	14.9	1.86	11-4/8:39	35.47	6.4	5.7	38	74	Developed 11/4					
156	11/09/09	37.24	2	14.5	5.47	12-2/2:12	31.77	6.2	5.1	44	78	Developed 12/2 SK					
158	11/13/09	37.64	2	14.6	5.83	12-2/1:40	31.81	6.3	5.1	40	74	Developed 12/3 SK					
160	12/11/09	37.90	2	15.0	6.74	12-22/7:31	31.16	6.5	5.0	50	84	Developed 12/22 TAD					
162	12/10/09	37.71	4	15.1	5.03	12-16/1:50	32.68	16.5	21.2	69	182	Developed 12/16 TD/FP					
164	12/04/09	37.26	4	15.5	4.87	12-16/2:35	32.39	16.9	21.1	50	164	Developed 12/16 TD/FP					
165	11/13/09	37.30	4	15.1	4.41	11-30/3:36	32.89	16.5	21.4	60	174	Developed 11/30 TD/SK					
167	10/05/09	37.10	2	14.8	2.27	11-3/1:25	34.83	6.4	5.6	48	84	Developed 11/3					
169	12/02/09	37.93	4	15.5	7.03	12-16/11:01	30.90	16.9	20.1	60	171	Developed 12/16 TD/FP					
171	12/02/09	37.70	2	15.0	6.25	12-17/2:54	31.45	6.5	5.0	40	74	Developed 12/17 TD					
173	12/12/09	37.91	2	14.1	6.47	12-22/10:08	31.44	6.1	5.0	50	83	Developed 12/22 TD					

AMEREN - Labadie Plant DSI - Well Development Field Data Sheet

Well ID	Date Drilled	Total Depth (BTOC)	Csg Dia. (inches)	Filter Sand Hgt (feet)	Initial WL		Water Column Height feet	Annular Volume gallons	Casing Volume gallons	Tremie Volume gallons	Total Purge Volume gallons	Remarks
					(BTOC)	Date/Time						
175	12/15/09	37.79	2	15.7	6.07	12-22/8:50	31.72	6.8	5.1	56	91	Developed 12/22 TD
177	11/13/09	37.16	2	14.6	7.65	12-22/12:57	29.51	6.3	4.7	41	74	Developed 12/22 SK
179	12/03/09	37.97	2	15.6	6.54	12-17/1:38	31.43	6.7	5.0	47	82	Developed 12/17 TD
181	12/03/09	37.50	2	15.2	6.80	12-17/11:04	30.70	6.5	4.9	44	78	Developed 12/17 TD
183	12/11/09	37.72	2	15.4	5.85	12-21/3:19	31.87	6.6	5.1	40	75	Developed 12/21 TD
185	12/15/09	37.97	2	14.5	6.31	12-21/4:25	31.66	6.2	5.1	50	84	Developed 12/21 TD
187	10/28/09	36.42	2	14.4	3.32	12-1/12:45	33.10	6.2	5.3	60	94	Developed 12/1 SK
189	10/12/09	37.11	2	15.8	3.63	11-3/11:56	33.48	6.8	5.4	25	61	Developed 11/3
191	12/03/09	37.68	2	15.2	6.56	12-17/9:44	31.12	6.5	5.0	44	79	Developed 12/17 TD
193	12/04/09	37.19	4	15.5	6.01	12-16/10:14	31.18	16.9	20.3	53	164	Developed 12/16 TD/FP
195	12/11/09	38.14	2	14.6	5.90	12-21/1:49	32.24	6.3	5.2	50	84	Developed 12/21 TD
197	12/05/09	37.12	4	15.4	4.85	12-16/1:02	32.27	16.8	21.0	52	165	Developed 12/16 TD/FP
199	12/01/09	37.72	4	15.1	7.40	12-16/8:54	30.32	16.5	19.7	56	165	Developed 12/16 TD/FP
201	12/01/09	38.16	2	15.0	6.71	12-17/7:52	31.45	6.5	5.0	38	72	Developed 12/17 TD

Conversions:

Water Column Height = Total Depth - Initial WL

For 2" wells

Annular Volume = filter sand hgt X 0.43

Casing Volume = water column hgt X 0.16

For 4" wells

Annular Volume = filter sand hgt X 1.09

Casing Volume = water column hgt X 0.65

Purge Volume = ((Annular Vol + Csg Volume)*3)+Tremie Volume

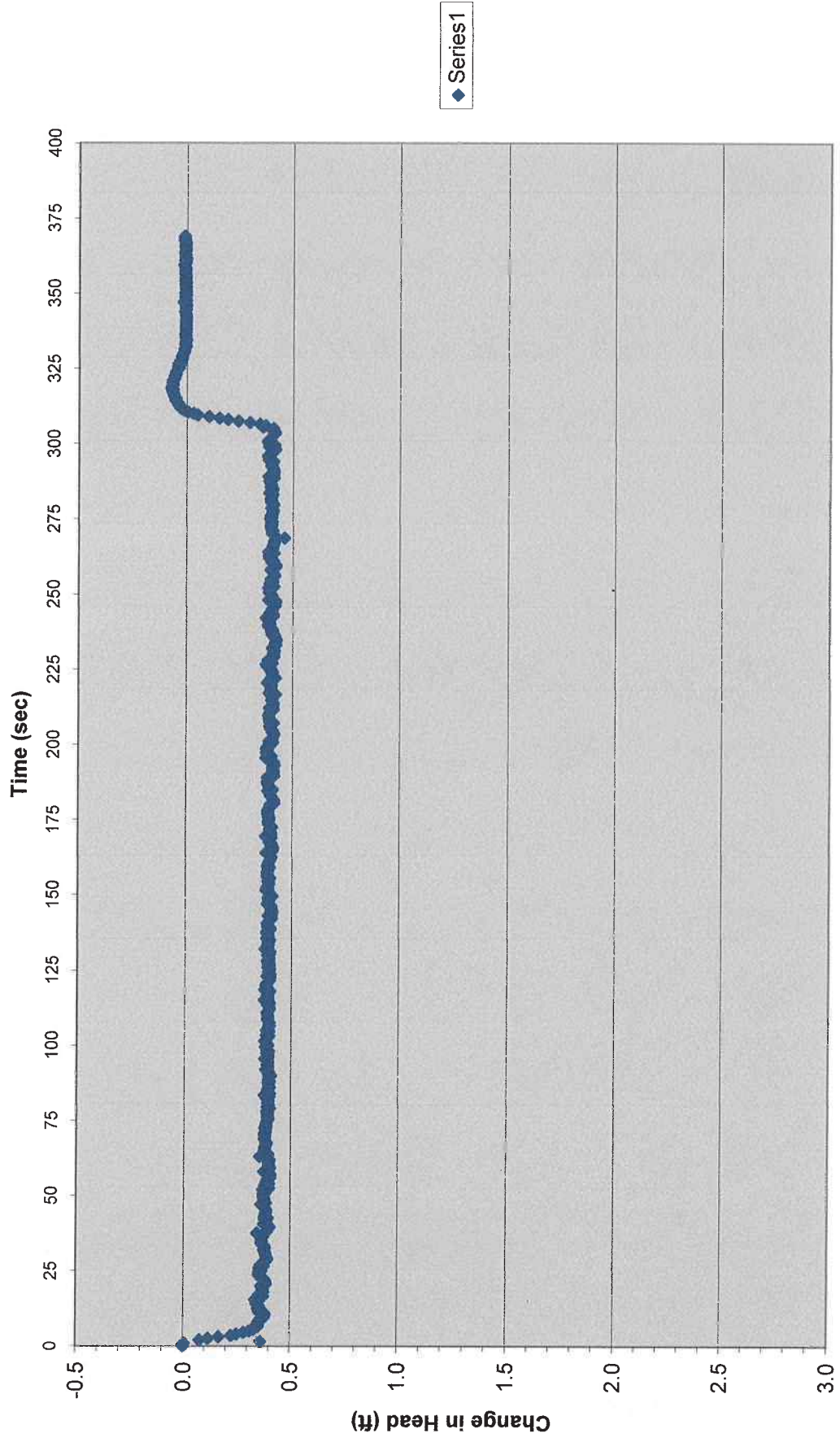
Appendix 9

Aquifer Test Data

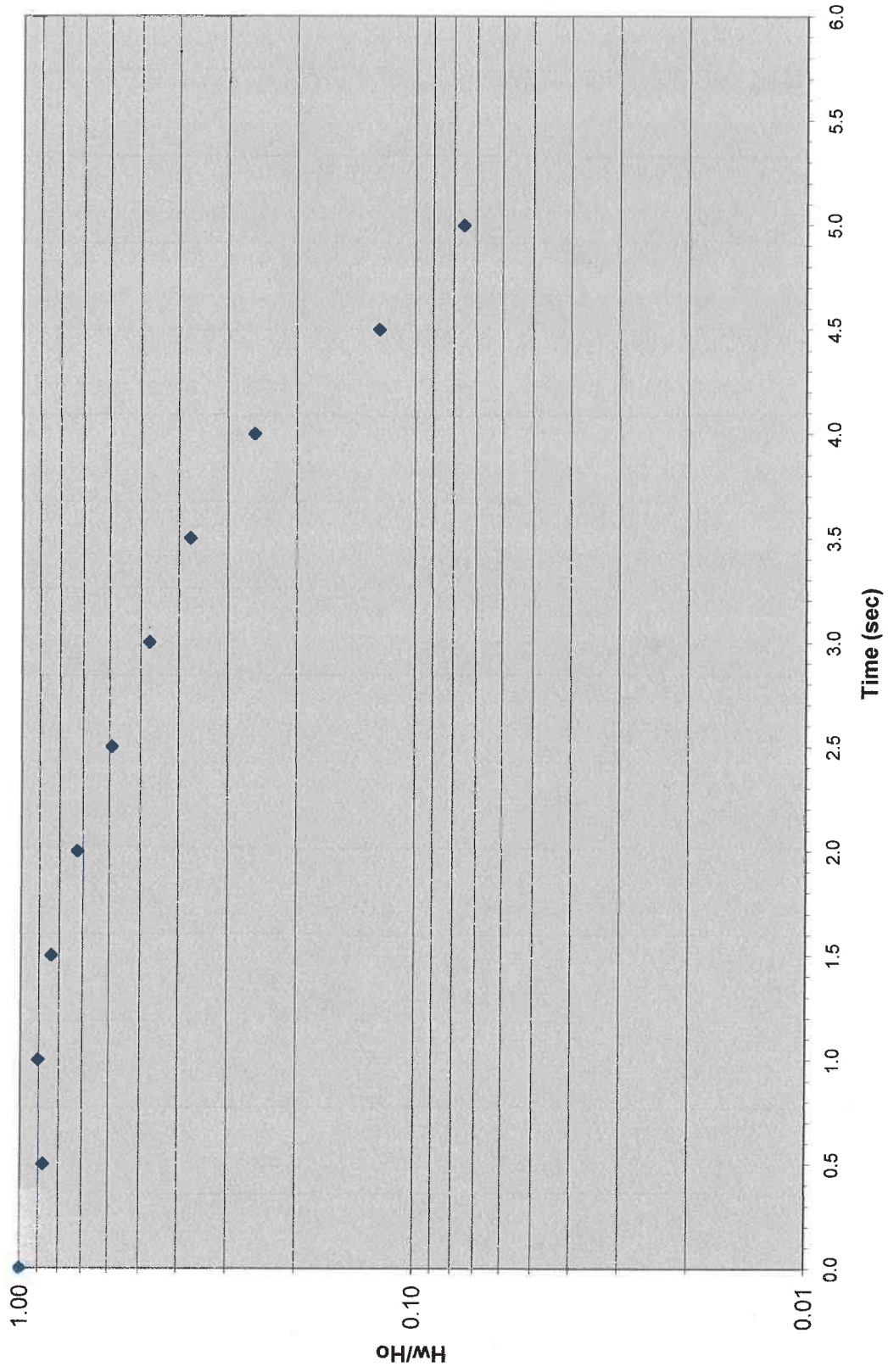
Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant

Prepared by: GREDELL Engineering Resources, Inc.

Detailed Site Investigation - Ameren Labadie Power Plant
Drawdown Curve - P9



Detailed Site Investigation - Ameren Labadie Power Plant
Plot of 90% Recovery Curve - P9



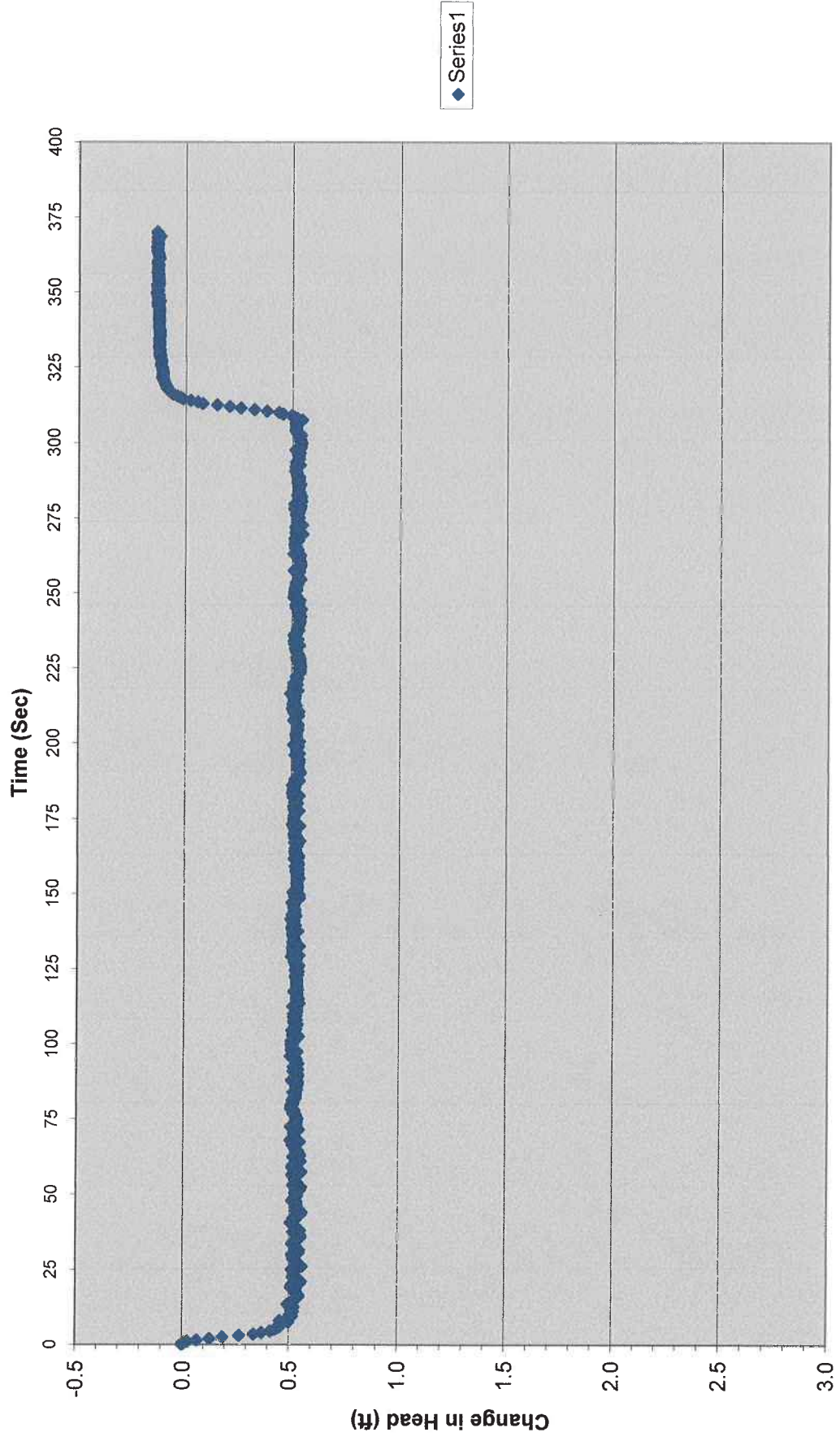
**Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri**

Recovery Data Table for P-9 Aquifer Test

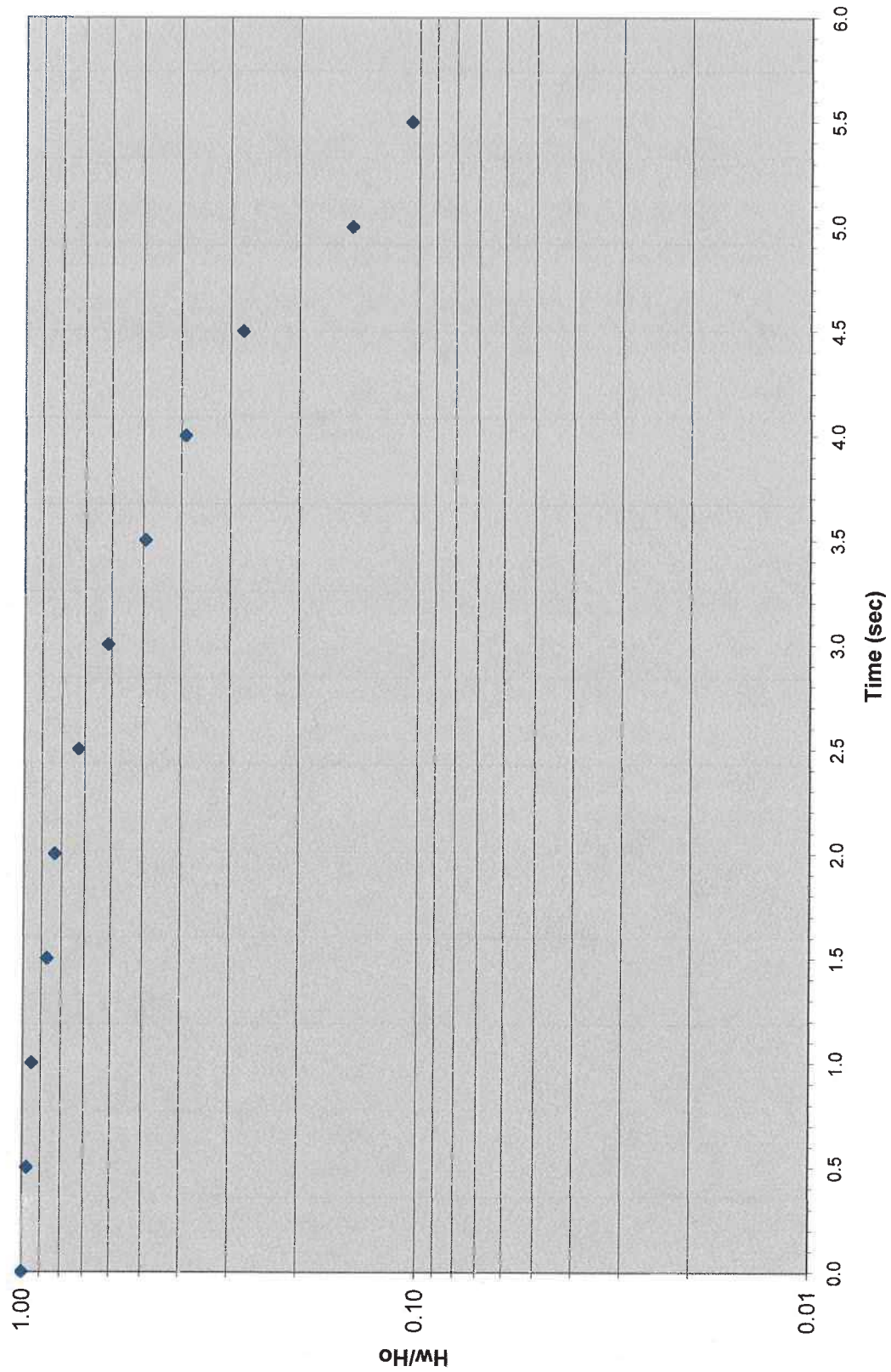
H _o (ft)	H _w (ft)	ET (sec)	H _w /H _o	Log(H _w /H _o)	ET (sec)	ET Seconds	SWL (ft, btoc)	Depth Feet	Relative Change Feet	
0.406	0.41	0.0	1.00	0.00	0.0	0.0	15.6000	7.2841	0.000	SWL=
0.406	0.36	0.5	0.88	-0.06	0.5	0.5	15.5978	7.2862	-0.002	Pump On
0.406	0.37	1.0	0.91	-0.04	1.0	0.0	16.0061	6.8779	0.406	Pump Off
0.406	0.34	1.5	0.84	-0.08	1.5	0.5	15.9565	6.9275	0.357	
0.406	0.29	2.0	0.73	-0.14	2.0	1.0	15.9676	6.9164	0.368	
0.406	0.24	2.5	0.59	-0.23	2.5	1.5	15.9415	6.9425	0.341	
0.406	0.19	3.0	0.48	-0.32	3.0	2.0	15.8944	6.9896	0.294	
0.406	0.15	3.5	0.38	-0.43	3.5	2.5	15.8408	7.0432	0.241	
0.406	0.10	4.0	0.26	-0.59	4.0	3.0	15.7933	7.0907	0.193	
0.406	0.05	4.5	0.12	-0.91	4.5	3.5	15.7523	7.1317	0.152	
0.406	0.03	5.0	0.08	-1.12	5.0	4.0	15.7044	7.1796	0.104	
0.406	0.01	5.5	0.01	-1.85	5.5	4.5	15.6501	7.2339	0.050	88% Recovery
						5.0	15.6307	7.2533	0.031	92% Recovery
						5.5	15.6058	7.2782	0.006	99% Recovery

15.60

Detailed Site Investigation - Ameren Labadie Power Plant
Drawdown Curve - P19



Detailed Site Investigation - Ameren Labadie Power Plant
Plot of 90% Recovery Curve - P19



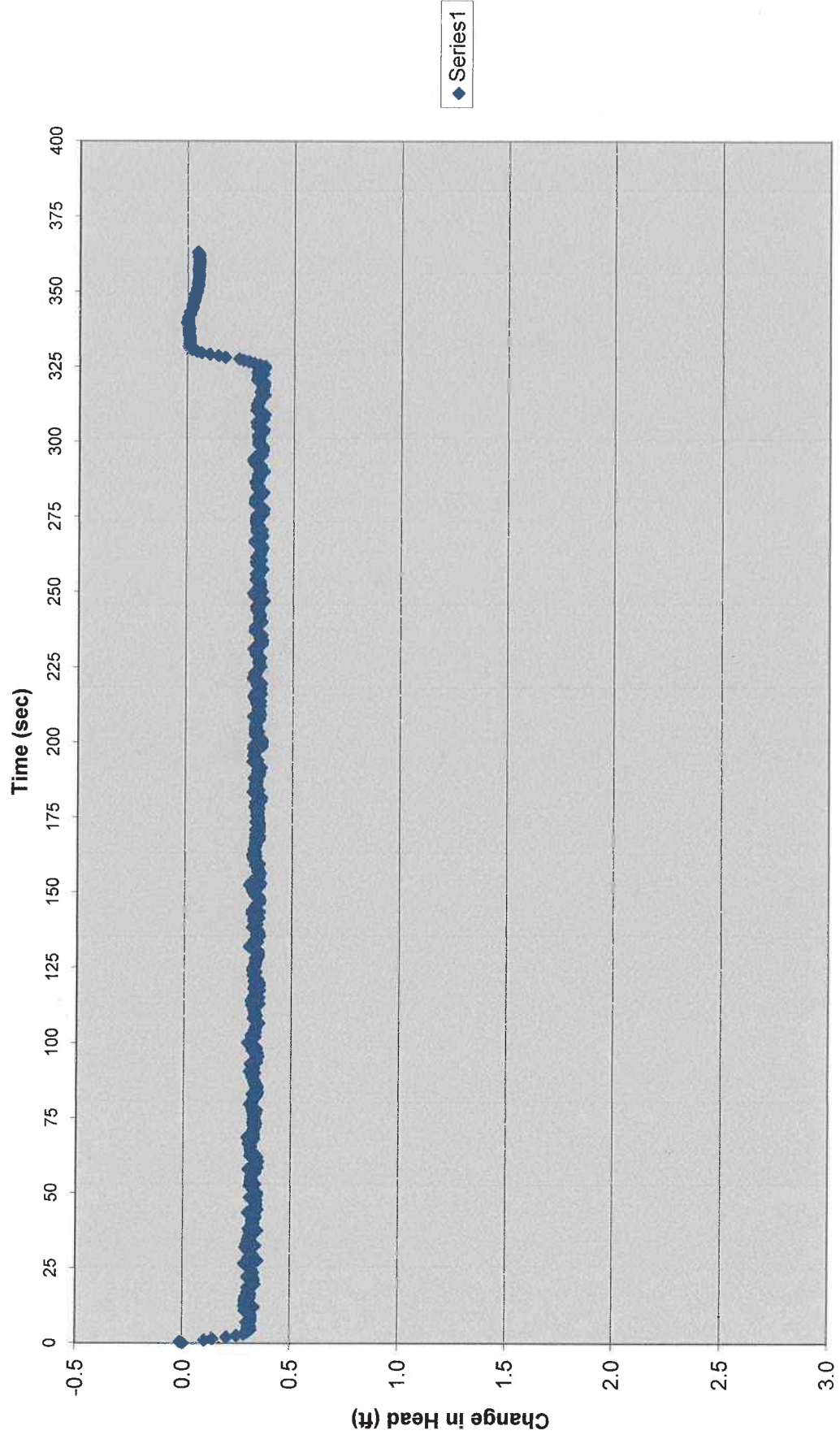
**Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri**

Recovery Data Table for P-19 Aquifer Test

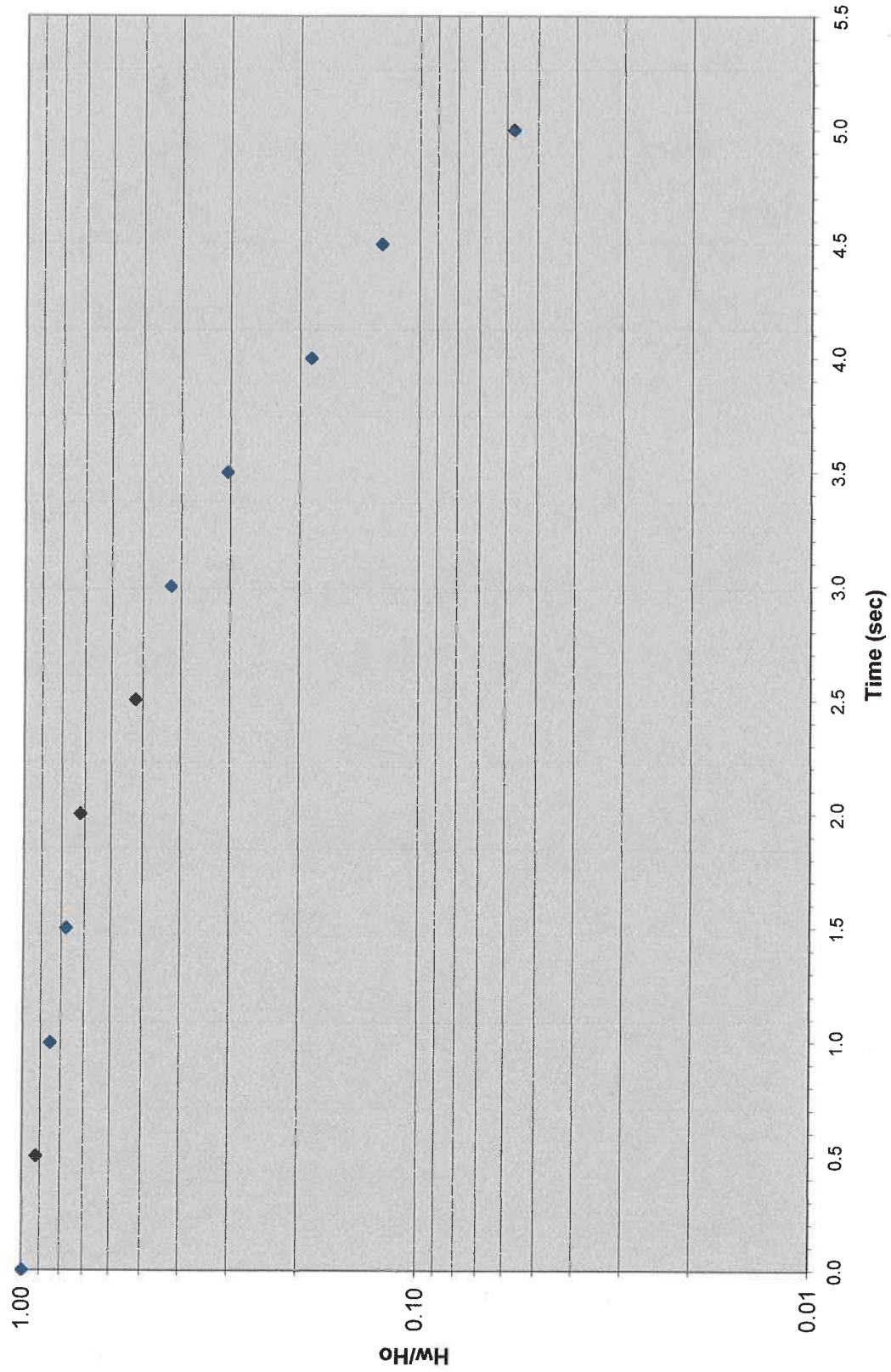
H ₀ (ft)	H _w (ft)	ET (sec)	H _w /H ₀	Log(H _w /H ₀)	ET (sec)	ET Seconds	SWL (ft, btoc)	Depth Feet	Relative Change Feet	
0.520	0.52	0.0	1.00	0.00	0.0	0.0	11.43	6.07	0.000	SWL=
0.520	0.51	0.5	0.97	-0.01	0.5	0.5	11.43	6.07	0.002	Pump On
0.520	0.49	1.0	0.95	-0.02	1.0	0.0	11.95	5.55	0.520	Pump Off
0.520	0.45	1.5	0.87	-0.06	1.5	0.5	11.94	5.57	0.507	
0.520	0.43	2.0	0.83	-0.08	2.0	1.0	11.92	5.58	0.494	
0.520	0.38	2.5	0.73	-0.14	2.5	1.5	11.88	5.62	0.453	
0.520	0.32	3.0	0.61	-0.21	3.0	2.0	11.86	5.64	0.434	
0.520	0.26	3.5	0.49	-0.31	3.5	2.5	11.81	5.70	0.378	
0.520	0.20	4.0	0.39	-0.41	4.0	3.0	11.75	5.76	0.319	
0.520	0.14	4.5	0.28	-0.55	4.5	3.5	11.69	5.82	0.256	
0.520	0.08	5.0	0.15	-0.83	5.0	4.0	11.63	5.87	0.203	
0.520	0.05	5.5	0.10	-0.98	5.5	4.5	11.57	5.93	0.145	
0.520	0.02	6.0	0.04	-1.40	6.0	5.0	11.51	6.00	0.077	
						5.5	11.48	6.02	0.054	90% Recovery
						6.0	11.45	6.05	0.020	96% Recovery

11.43

Detailed Site Investigation - Ameren Labadie Power Plant
Drawdown Curve - P22



Detailed Site Investigation - Ameren Labadie Power Plant
Plot of 90% Recovery Curve - P22

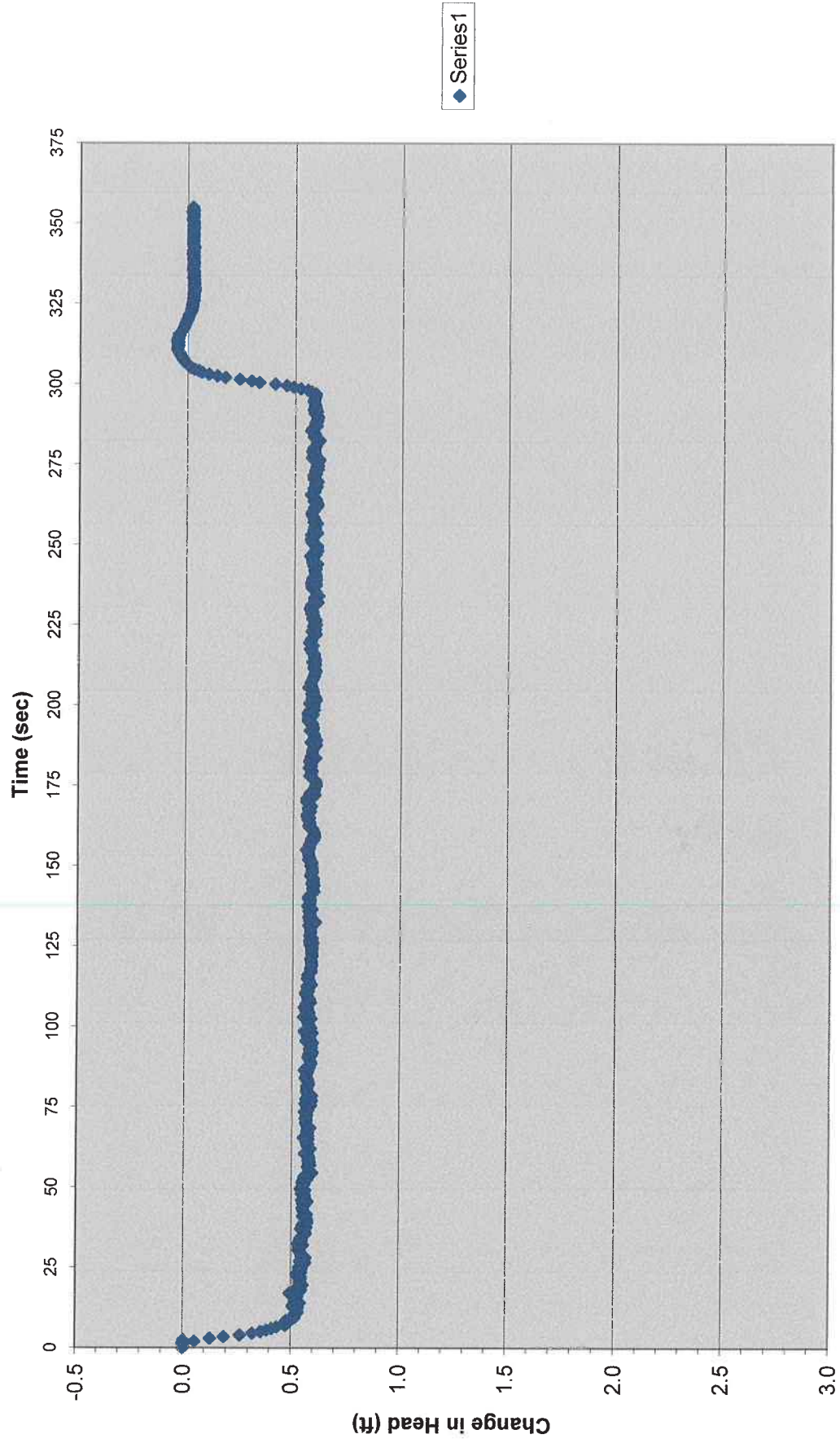


**Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri**

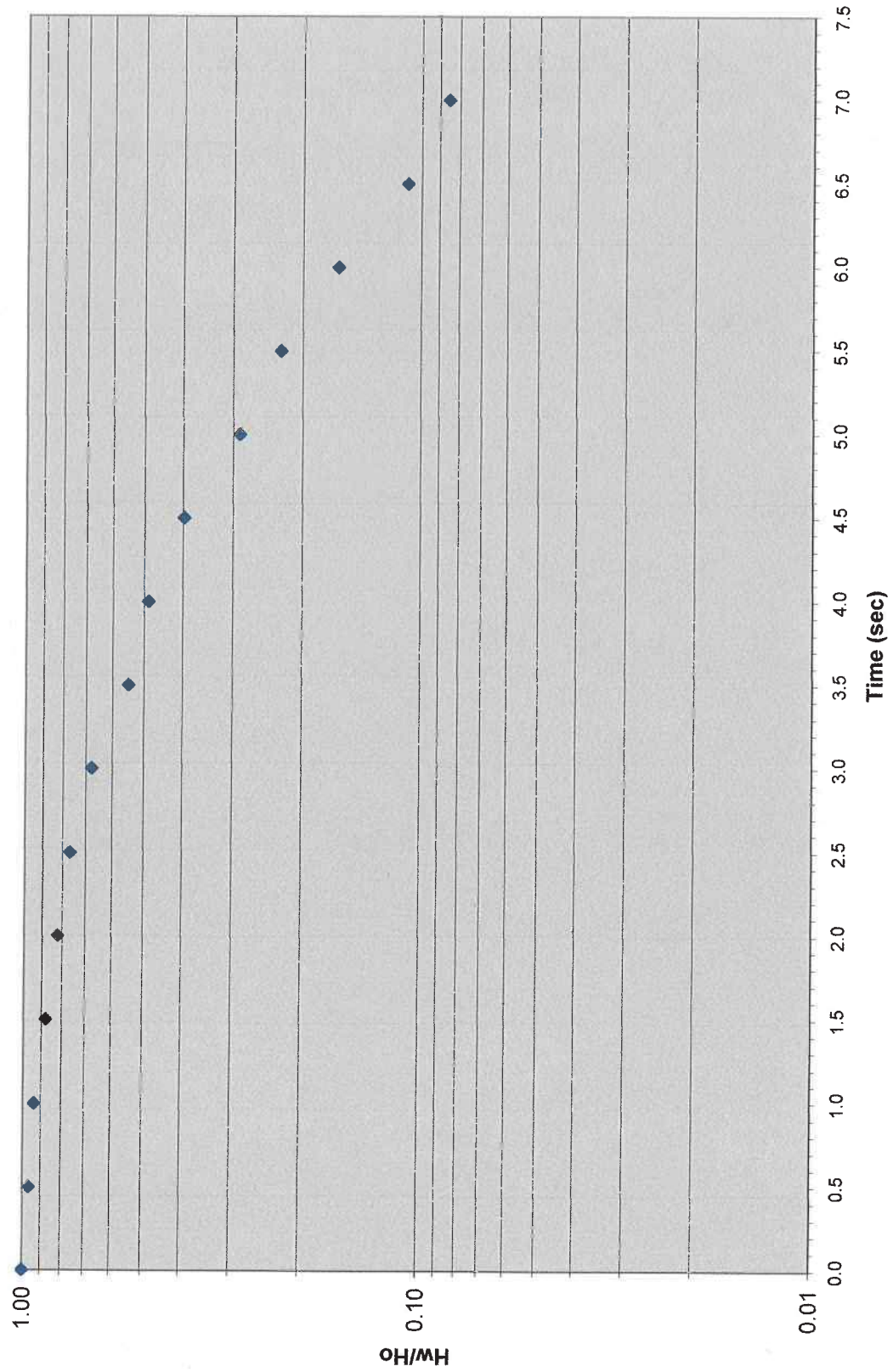
Recovery Data Table for P-22 Aquifer Test

H ₀ (ft)	H _w (ft)	ET (sec)	H _w /H ₀	Log(H _w /H ₀)	ET (sec)	ET (sec)	SWL Seconds (ft, btoc)	Depth Feet	Relative Change Feet	
0.338	0.34	0.0	1.00	0.00	0.0	12.36	6.00	0.000	SWL=	12.36
0.338	0.31	0.5	0.92	-0.04	0.5	12.35	6.02	-0.012	Pump On	
0.338	0.29	1.0	0.85	-0.07	1.0	12.70	5.67	0.338	Pump Off	
0.338	0.26	1.5	0.78	-0.11	1.5	12.67	5.69	0.313		
0.338	0.24	2.0	0.72	-0.14	2.0	12.65	5.72	0.289		
0.338	0.18	2.5	0.52	-0.28	2.5	12.62	5.74	0.264		
0.338	0.14	3.0	0.42	-0.37	3.0	12.60	5.76	0.244		
0.338	0.10	3.5	0.31	-0.52	3.5	12.54	5.83	0.177		
0.338	0.06	4.0	0.19	-0.73	4.0	12.50	5.86	0.144		
0.338	0.04	4.5	0.13	-0.90	4.5	12.46	5.90	0.104		
0.338	0.02	5.0	0.06	-1.24	5.0	12.42	5.94	0.064		
0.338	0.01	5.5	0.04	-1.43	5.5	12.40	5.96	0.043		
0.338	0.01	6.0	0.02	-1.67	6.0	12.38	5.98	0.020	94% Recovery	
0.338	0.01	6.5	0.04	-1.44	6.5	12.37	5.99	0.013	96% Recovery	
0.338	0.01	7.0	0.02	-1.66	7.0	12.37	6.00	0.008		
0.338	0.01	7.5	0.03	-1.49	7.5	12.37	5.99	0.013		
0.338	0.01	8.0	0.03	-1.57	8.0	12.37	5.99	0.008		
0.338	0.01	8.5	0.03	-1.50	8.5	12.37	5.99	0.012		
0.338	0.01	9.0	0.03	-1.50	9.0	12.37	5.99	0.010		
0.338	0.01	9.5	0.03	-1.53	9.5	12.37	5.99	0.012		
0.338	0.01	10.0	0.02	-1.76	10.0	12.37	5.99	0.012		
0.338	0.01	10.5	0.02	-1.75	10.5	12.37	6.00	0.011		
0.338	0.01	11.0	0.02	-1.72	11.0	12.37	6.00	0.007		
0.338	0.00	11.5	0.01	-1.92	11.5	12.37	6.00	0.007		
						12.36	6.00	0.005	99% Recovery	

Detailed Site Investigation - Ameren Labadie Power Plant
Drawdown Curve - P31



Detailed Site Investigation - Ameren Labadie Power Plant
Plot of 90% Recovery Curve - P31

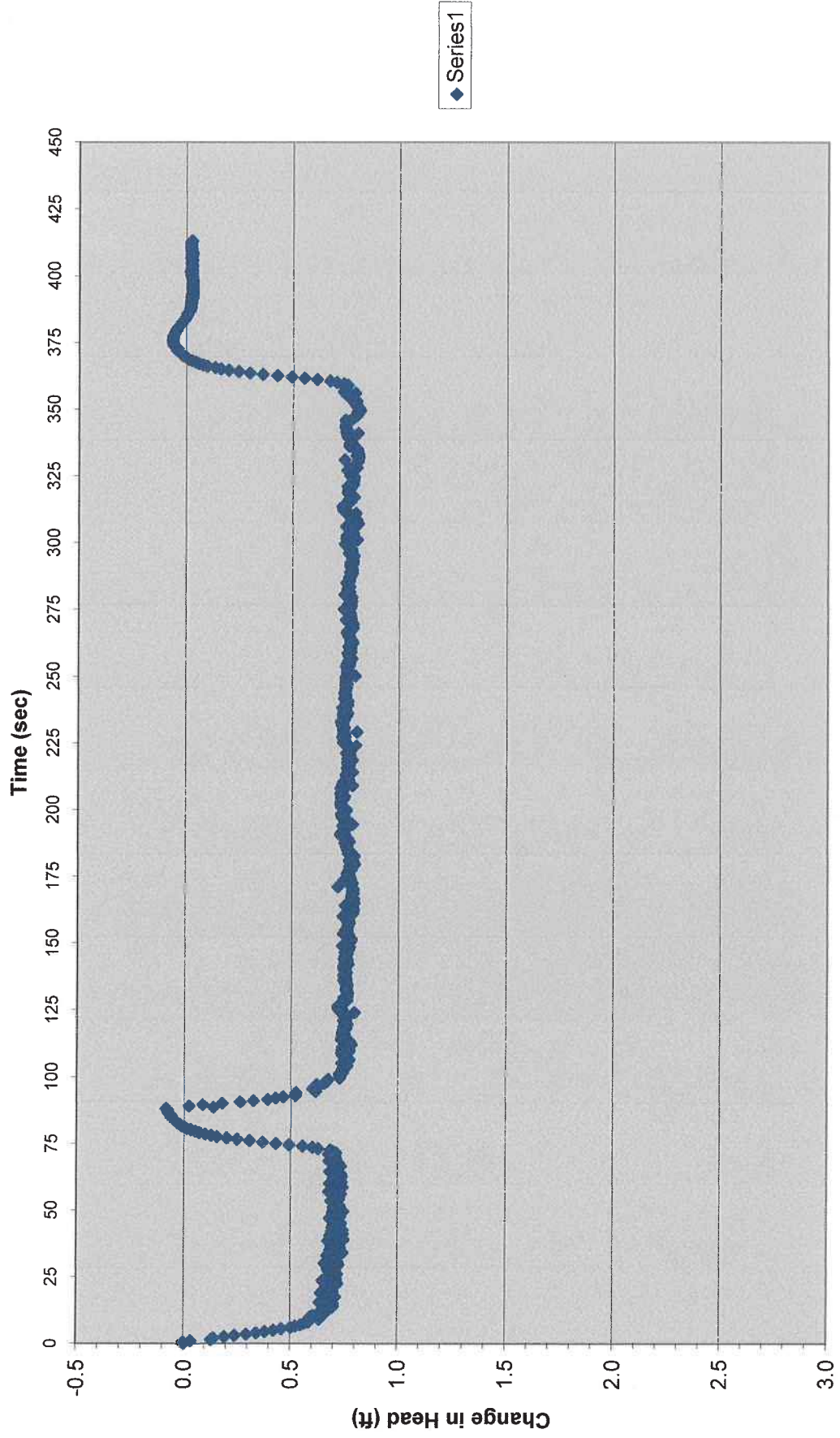


**Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri**

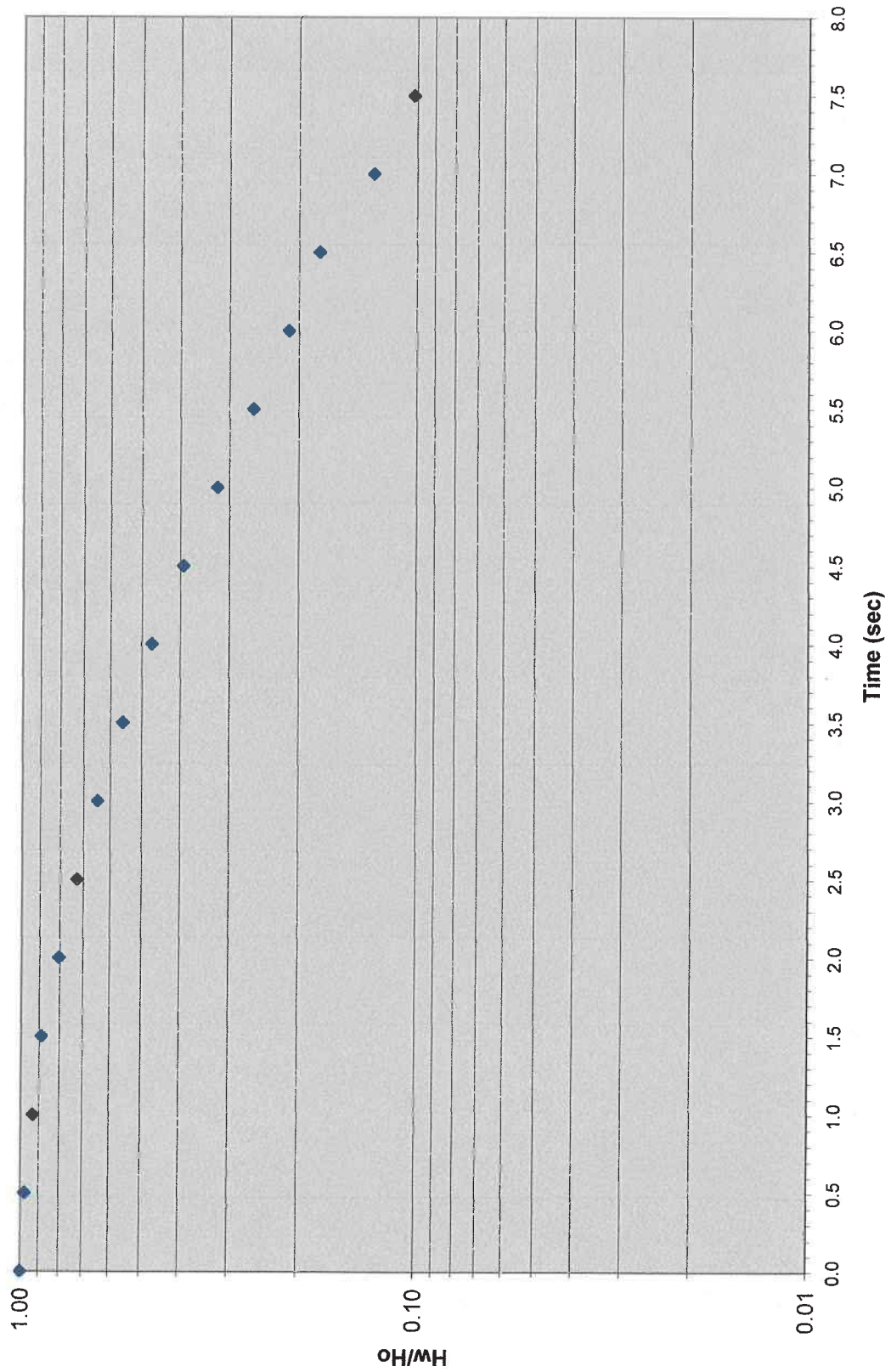
Recovery Data Table for P-31 Aquifer Test

H ₀ (ft)	H _w (ft)	ET (sec)	H _w /H ₀	Log(H _w /H ₀)	ET (sec)	ET Seconds	SWL (ft, btoc)	Depth Feet	Relative Change Feet	
0.595	0.59	0.0	1.00	0.00	0.0	0.0	11.23	11.68	0.000 SWL=	11.23
0.595	0.57	0.5	0.96	-0.02	0.5	0.5	11.24	11.68	0.005 Pump On	
0.595	0.56	1.0	0.94	-0.03	1.0	0.0	11.82	11.09	0.595 Pump Off	
0.595	0.52	1.5	0.88	-0.06	1.5	0.5	11.80	11.11	0.574	
0.595	0.49	2.0	0.82	-0.08	2.0	1.0	11.79	11.13	0.557	
0.595	0.46	2.5	0.77	-0.12	2.5	1.5	11.75	11.16	0.523	
0.595	0.40	3.0	0.68	-0.17	3.0	2.0	11.72	11.19	0.490	
0.595	0.33	3.5	0.55	-0.26	3.5	2.5	11.69	11.23	0.456	
0.595	0.29	4.0	0.49	-0.31	4.0	3.0	11.63	11.28	0.403	
0.595	0.24	4.5	0.40	-0.40	4.5	3.5	11.56	11.36	0.326	
0.595	0.17	5.0	0.29	-0.54	5.0	4.0	11.52	11.39	0.290	
0.595	0.14	5.5	0.23	-0.64	5.5	4.5	11.47	11.45	0.237	
0.595	0.10	6.0	0.16	-0.79	6.0	5.0	11.40	11.51	0.172	
0.595	0.06	6.5	0.11	-0.96	6.5	5.5	11.37	11.55	0.135	
0.595	0.05	7.0	0.09	-1.07	7.0	6.0	11.33	11.59	0.097	
0.595	0.03	7.5	0.05	-1.29	7.5	6.5	11.29	11.62	0.065	
0.595	0.02	8.0	0.03	-1.60	8.0	7.0	11.28	11.63	0.051 91% Recovery	
0.595	0.01	8.5	0.01	-1.96	8.5	7.5	11.26	11.65	0.030 95% Recovery	
0.595	0.00	9.0	0.00	-3.17	9.0	8.0	11.25	11.67	0.015	
						8.5	11.24	11.68	0.006 99% Recovery	
						9.0	11.23	11.68	0.000	

Detailed Site Investigation - Ameren Labadie Power Plant
Drawdown Curve - P42



Detailed Site Investigation - Ameren Labadie Power Plant
Plot of 90% Recovery Curve - P42

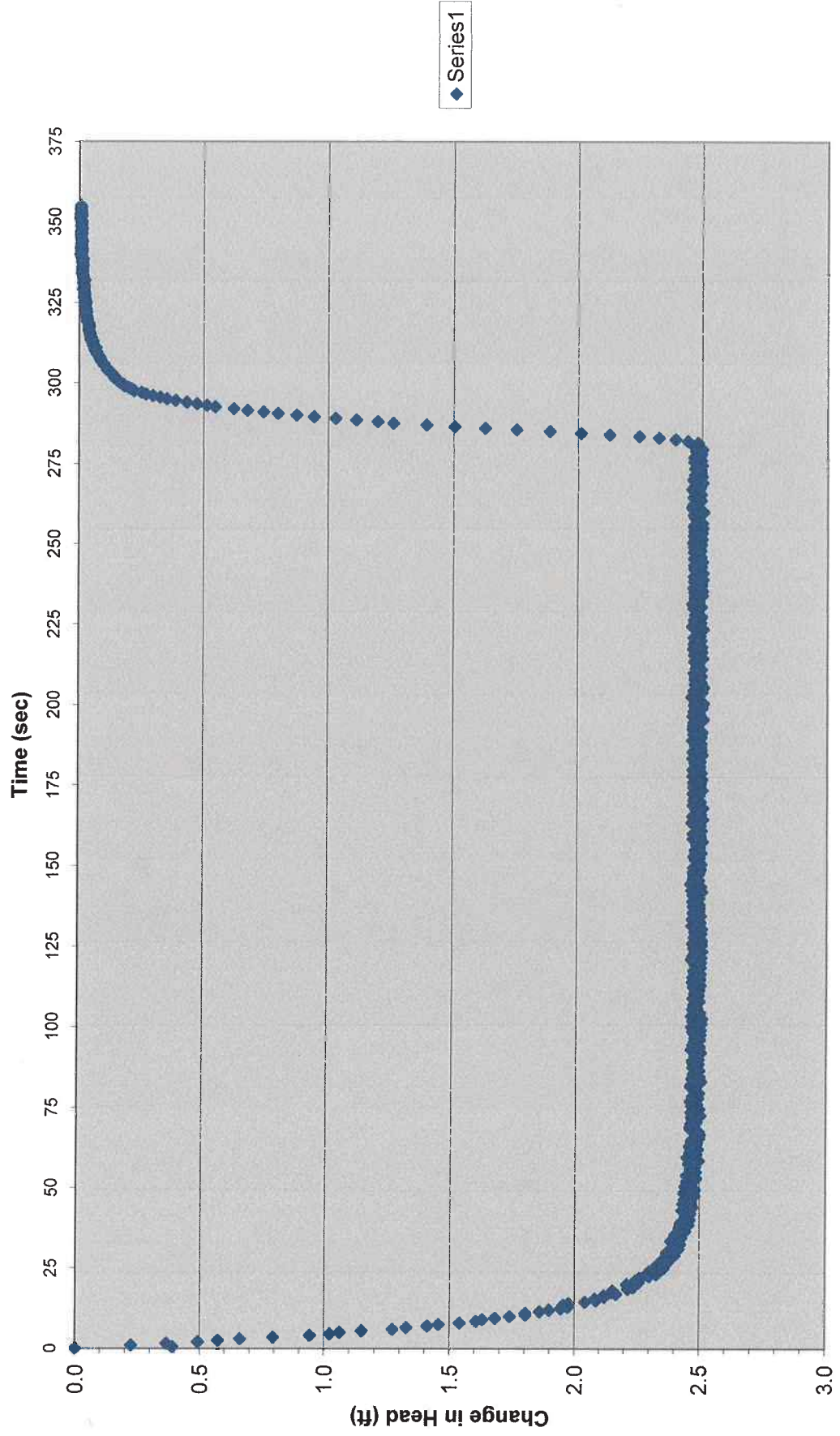


**Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri**

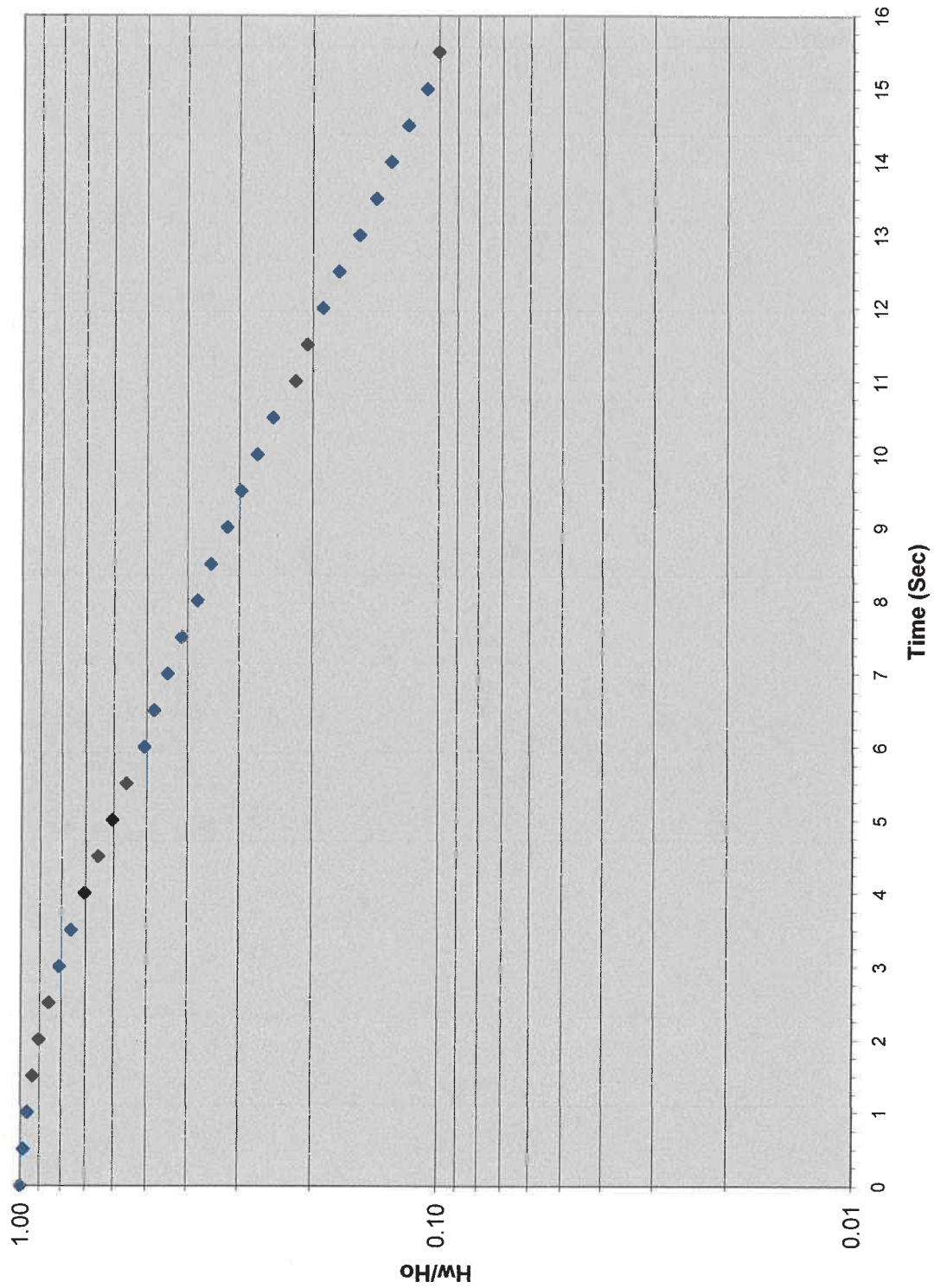
Recovery Data Table for P-42 Aquifer Test

H ₀ (ft)	H _w (ft)	ET (sec)	H _w /H ₀	Log(H _w /H ₀)	ET (sec)	ET Seconds	SWL (ft, btoc)	Depth Feet	Relative Change Feet	
0.755	0.76	0.0	1.00	0.00	0.0	0.0	10.52	6.32	0.000 SWL=	10.52
0.755	0.74	0.5	0.98	-0.01	0.5	0.5	10.52	6.32	-0.002 Pump On	
0.755	0.70	1.0	0.93	-0.03	1.0	0.0	11.28	5.56	0.755 Pump Off	
0.755	0.67	1.5	0.89	-0.05	1.5	0.5	11.26	5.58	0.737	
0.755	0.61	2.0	0.81	-0.09	2.0	1.0	11.22	5.61	0.704	
0.755	0.55	2.5	0.73	-0.14	2.5	1.5	11.19	5.65	0.673	
0.755	0.49	3.0	0.65	-0.19	3.0	2.0	11.13	5.71	0.609	
0.755	0.42	3.5	0.56	-0.25	3.5	2.5	11.07	5.77	0.549	
0.755	0.36	4.0	0.47	-0.32	4.0	3.0	11.01	5.83	0.489	
0.755	0.30	4.5	0.39	-0.41	4.5	3.5	10.94	5.90	0.423	
0.755	0.24	5.0	0.32	-0.49	5.0	4.0	10.88	5.96	0.357	
0.755	0.20	5.5	0.26	-0.58	5.5	4.5	10.82	6.02	0.297	
0.755	0.16	6.0	0.21	-0.67	6.0	5.0	10.76	6.08	0.244	
0.755	0.13	6.5	0.18	-0.75	6.5	5.5	10.72	6.12	0.197	
0.755	0.10	7.0	0.13	-0.89	7.0	6.0	10.68	6.16	0.161	
0.755	0.08	7.5	0.10	-0.99	7.5	6.5	10.65	6.18	0.134	
0.755	0.06	8.0	0.08	-1.12	8.0	7.0	10.62	6.22	0.098	
0.755	0.04	8.5	0.06	-1.24	8.5	7.5	10.60	6.24	0.077 90% Recovery	
0.755	0.03	9.0	0.04	-1.45	9.0	8.0	10.58	6.26	0.057	
0.755	0.01	9.5	0.01	-1.83	9.5	8.5	10.56	6.28	0.043	
0.755	0.00	10.0	0.01	-2.26	10.0	9.0	10.55	6.29	0.027 96% Recovery	
						9.5	10.53	6.31	0.011 99% Recovery	
						10.0	10.52	6.31	0.004	

Detailed Site Investigation - Ameren Labadie Power Plant
Drawdown Curve - P53



Detailed Site Investigation - Ameren Labadie Power Plant
Plot of 90% Recovery Curve - P53



**Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri**

Recovery Data Table for P-53 Aquifer Test

H _o (ft)	H _w (ft)	ET (s)	H _w /H _o	ET (s Log(H _w /H _o))	ET Seconds	SWL (ft, btoc)	Depth (in)	Depth (ft)	Relative Change Feet	
					0.0	7.57	104.630	8.719	0.000	SWL=
2.482	2.48	0.0	1.00	0.0	0.5	7.96	99.940	8.328	0.391	Pump On
2.482	2.44	0.5	0.98	0.5	0.0	10.05	74.842	6.237	2.482	Pump Off
2.482	2.39	1.0	0.96	1.0	0.5	10.01	75.314	6.276	2.443	
2.482	2.33	1.5	0.94	1.5	1.0	9.96	75.900	6.325	2.394	
2.482	2.25	2.0	0.91	2.0	1.5	9.90	76.704	6.392	2.327	
2.482	2.13	2.5	0.86	2.5	2.0	9.82	77.660	6.472	2.247	
2.482	2.01	3.0	0.81	3.0	2.5	9.70	79.101	6.592	2.127	
2.482	1.89	3.5	0.76	3.5	3.0	9.58	80.491	6.708	2.011	
2.482	1.75	4.0	0.71	4.0	3.5	9.46	81.992	6.833	1.886	
2.482	1.63	4.5	0.66	4.5	4.0	9.32	83.601	6.967	1.752	
2.482	1.50	5.0	0.61	5.0	4.5	9.20	85.107	7.092	1.627	
2.482	1.39	5.5	0.56	5.5	5.0	9.07	86.586	7.215	1.504	
2.482	1.26	6.0	0.51	6.0	5.5	8.96	87.930	7.328	1.391	
2.482	1.19	6.5	0.48	6.5	6.0	8.83	89.535	7.461	1.258	
2.482	1.11	7.0	0.45	7.0	6.5	8.76	90.290	7.524	1.195	
2.482	1.03	7.5	0.41	7.5	7.0	8.68	91.303	7.609	1.110	
2.482	0.94	8.0	0.38	8.0	7.5	8.60	92.299	7.692	1.027	
2.482	0.87	8.5	0.35	8.5	8.0	8.51	93.327	7.777	0.942	
2.482	0.80	9.0	0.32	9.0	8.5	8.44	94.152	7.846	0.873	
2.482	0.74	9.5	0.30	9.5	9.0	8.37	95.043	7.920	0.799	
2.482	0.68	10.0	0.27	10.0	9.5	8.31	95.752	7.979	0.740	
2.482	0.62	10.5	0.25	10.5	10.0	8.25	96.522	8.043	0.676	
2.482	0.55	11.0	0.22	11.0	10.5	8.19	97.194	8.100	0.619	
2.482	0.51	11.5	0.21	11.5	11.0	8.12	98.084	8.174	0.545	
2.482	0.47	12.0	0.19	12.0	11.5	8.08	98.486	8.207	0.512	
2.482	0.43	12.5	0.17	12.5	12.0	8.04	98.974	8.248	0.471	
2.482	0.39	13.0	0.16	13.0	12.5	8.00	99.456	8.288	0.431	
2.482	0.35	13.5	0.14	13.5	13.0	7.96	99.996	8.333	0.386	
2.482	0.32	14.0	0.13	14.0	13.5	7.92	100.408	8.367	0.352	
2.482	0.30	14.5	0.12	14.5	14.0	7.89	100.730	8.394	0.325	
2.482	0.27	15.0	0.11	15.0	14.5	7.87	101.084	8.424	0.295	
					15.0	7.84	101.423	8.452	0.267	

**Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri**

Recovery Data Table for P-53 Aquifer Test

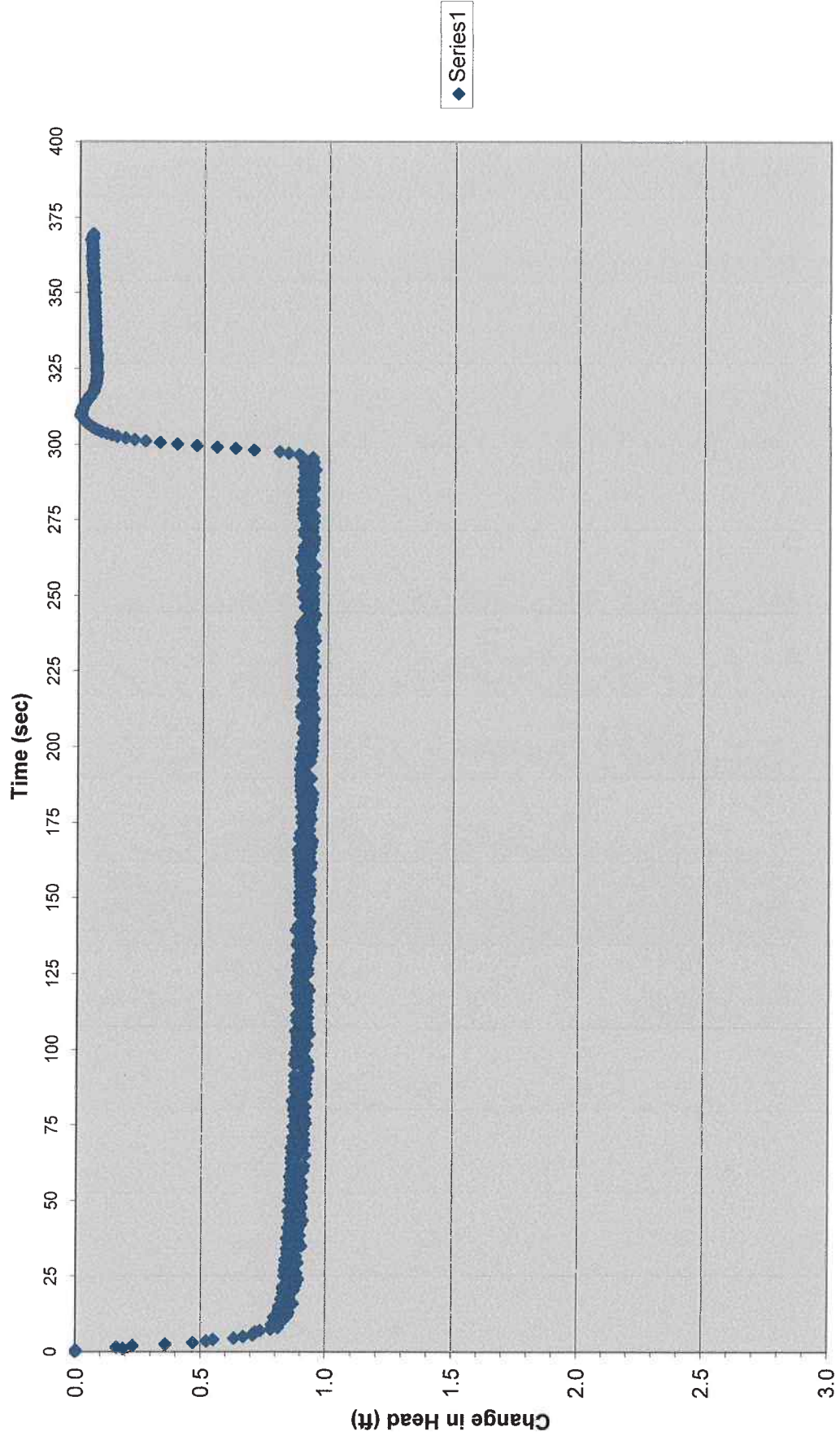
2.482	0.25	15.5	0.10	15.5	-1.00	15.5	7.82	101.635	8.470	0.249	90% Recovery
2.482	0.22	16.0	0.09	16.0	-1.05	16.0	7.79	101.992	8.499	0.220	
2.482	0.21	16.5	0.08	16.5	-1.07	16.5	7.78	102.114	8.509	0.210	
2.482	0.20	17.0	0.08	17.0	-1.10	17.0	7.77	102.246	8.521	0.198	
2.482	0.18	17.5	0.07	17.5	-1.14	17.5	7.75	102.448	8.537	0.182	
2.482	0.18	18.0	0.07	18.0	-1.15	18.0	7.75	102.515	8.543	0.176	
2.482	0.16	18.5	0.07	18.5	-1.18	18.5	7.73	102.659	8.555	0.164	
2.482	0.16	19.0	0.06	19.0	-1.20	19.0	7.73	102.750	8.562	0.157	
2.482	0.15	19.5	0.06	19.5	-1.22	19.5	7.72	102.819	8.568	0.151	
2.482	0.14	20.0	0.06	20.0	-1.25	20.0	7.71	102.943	8.579	0.140	
2.482	0.14	20.5	0.06	20.5	-1.25	20.5	7.71	102.956	8.580	0.139	
2.482	0.13	21.0	0.05	21.0	-1.27	21.0	7.70	103.040	8.587	0.132	95% Recovery
2.482	0.13	21.5	0.05	21.5	-1.28	21.5	7.70	103.075	8.590	0.129	
2.482	0.12	22.0	0.05	22.0	-1.31	22.0	7.69	103.181	8.598	0.121	
2.482	0.11	22.5	0.05	22.5	-1.35	22.5	7.68	103.286	8.607	0.112	
2.482	0.11	23.0	0.04	23.0	-1.35	23.0	7.68	103.310	8.609	0.110	
2.482	0.10	23.5	0.04	23.5	-1.38	23.5	7.67	103.373	8.614	0.105	
2.482	0.10	24.0	0.04	24.0	-1.40	24.0	7.67	103.450	8.621	0.098	
2.482	0.10	24.5	0.04	24.5	-1.40	24.5	7.67	103.450	8.621	0.098	
2.482	0.09	25.0	0.04	25.0	-1.45	25.0	7.66	103.566	8.630	0.089	
2.482	0.09	25.5	0.04	25.5	-1.45	25.5	7.66	103.583	8.632	0.087	
2.482	0.08	26.0	0.03	26.0	-1.48	26.0	7.65	103.632	8.636	0.083	
2.482	0.08	26.5	0.03	26.5	-1.48	26.5	7.65	103.644	8.637	0.082	
2.482	0.08	27.0	0.03	27.0	-1.50	27.0	7.65	103.691	8.641	0.078	
2.482	0.07	27.5	0.03	27.5	-1.55	27.5	7.64	103.786	8.649	0.070	
2.482	0.07	28.0	0.03	28.0	-1.55	28.0	7.64	103.789	8.649	0.070	
2.482	0.06	28.5	0.03	28.5	-1.59	28.5	7.63	103.868	8.656	0.063	
2.482	0.06	29.0	0.02	29.0	-1.61	29.0	7.63	103.893	8.658	0.061	
2.482	0.07	29.5	0.03	29.5	-1.57	29.5	7.64	103.826	8.652	0.067	
2.482	0.06	30.0	0.02	30.0	-1.65	30.0	7.63	103.955	8.663	0.056	
2.482	0.06	30.5	0.02	30.5	-1.65	30.5	7.63	103.964	8.664	0.055	
2.482	0.05	31.0	0.02	31.0	-1.67	31.0	7.62	103.993	8.666	0.053	
2.482	0.06	31.5	0.02	31.5	-1.65	31.5	7.63	103.966	8.664	0.055	
2.482	0.04	32.0	0.02	32.0	-1.74	32.0	7.61	104.090	8.674	0.045	
2.482	0.05	32.5	0.02	32.5	-1.70	32.5	7.62	104.036	8.670	0.049	

**Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri**

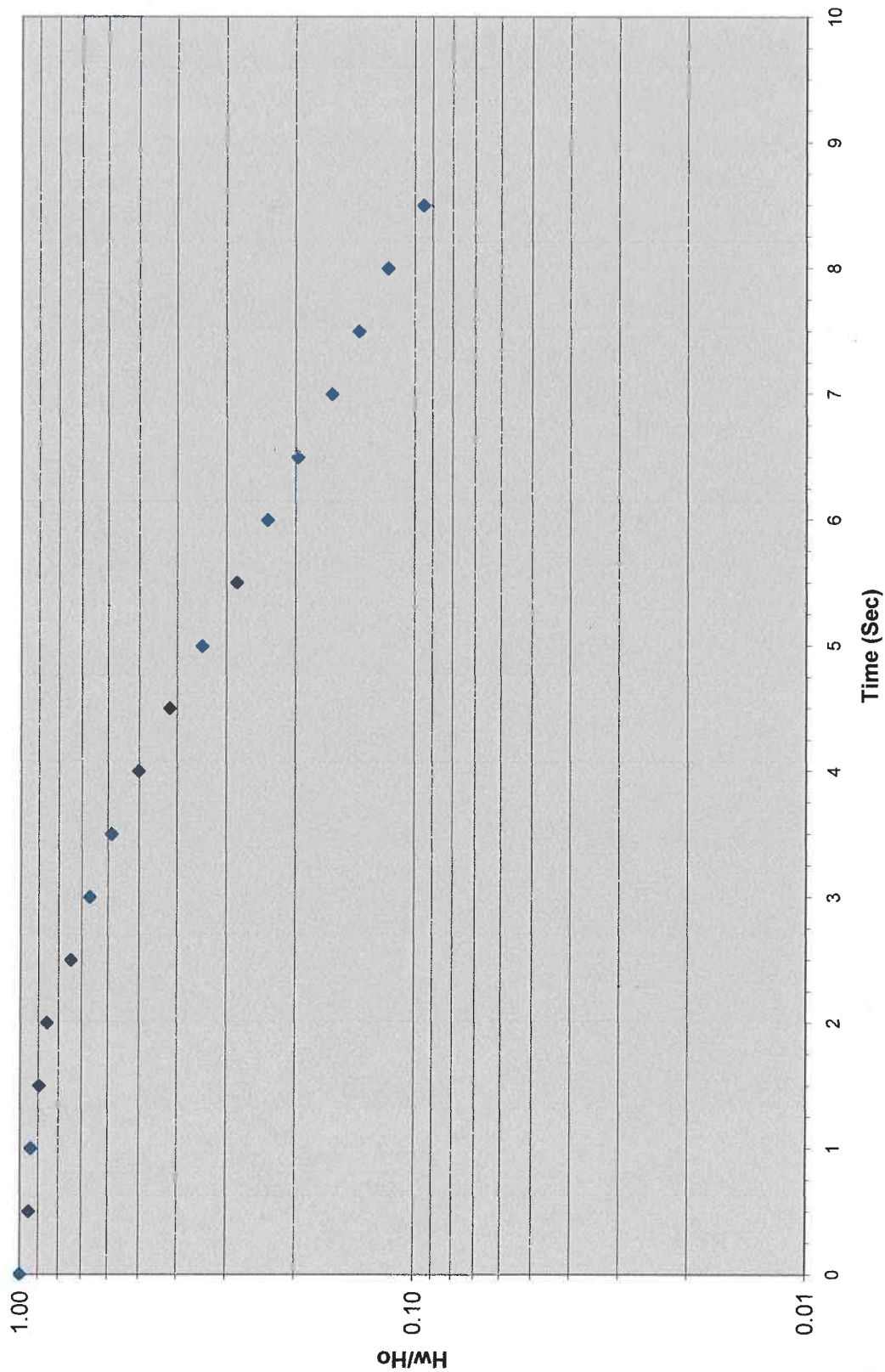
Recovery Data Table for P-53 Aquifer Test

2.482	0.04	33.0	0.02	33.0	-1.75	33.0	7.61	104.102	8.675	0.044
2.482	0.04	33.5	0.02	33.5	-1.77	33.5	7.61	104.120	8.677	0.042
2.482	0.04	34.0	0.02	34.0	-1.76	34.0	7.61	104.114	8.676	0.043
2.482	0.04	34.5	0.02	34.5	-1.79	34.5	7.61	104.147	8.679	0.040
2.482	0.04	35.0	0.02	35.0	-1.81	35.0	7.61	104.172	8.681	0.038
2.482	0.04	35.5	0.02	35.5	-1.80	35.5	7.61	104.159	8.680	0.039
2.482	0.04	36.0	0.02	36.0	-1.80	36.0	7.61	104.155	8.680	0.039
2.482	0.04	36.5	0.02	36.5	-1.81	36.5	7.61	104.164	8.680	0.039
2.482	0.04	37.0	0.02	37.0	-1.80	37.0	7.61	104.159	8.680	0.039
2.482	0.03	37.5	0.01	37.5	-1.89	37.5	7.60	104.247	8.687	0.032 99% Recovery

Detailed Site Investigation - Ameren Labadie Power Plant
Drawdown Curve - P57



Detailed Site Investigation - Ameren Labadie Power Plant
Plot of 90% Recovery Curve - P57

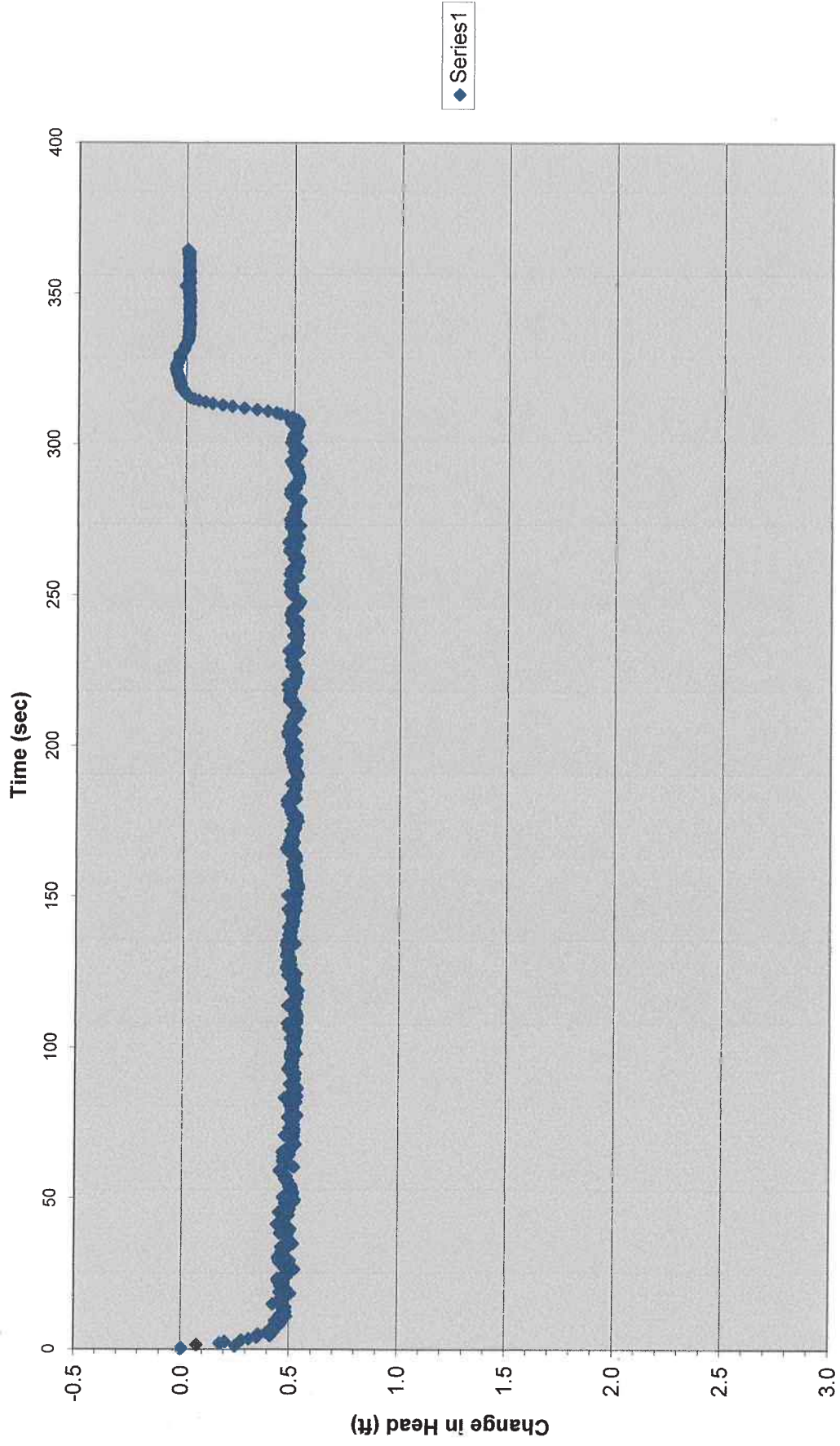


**Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri**

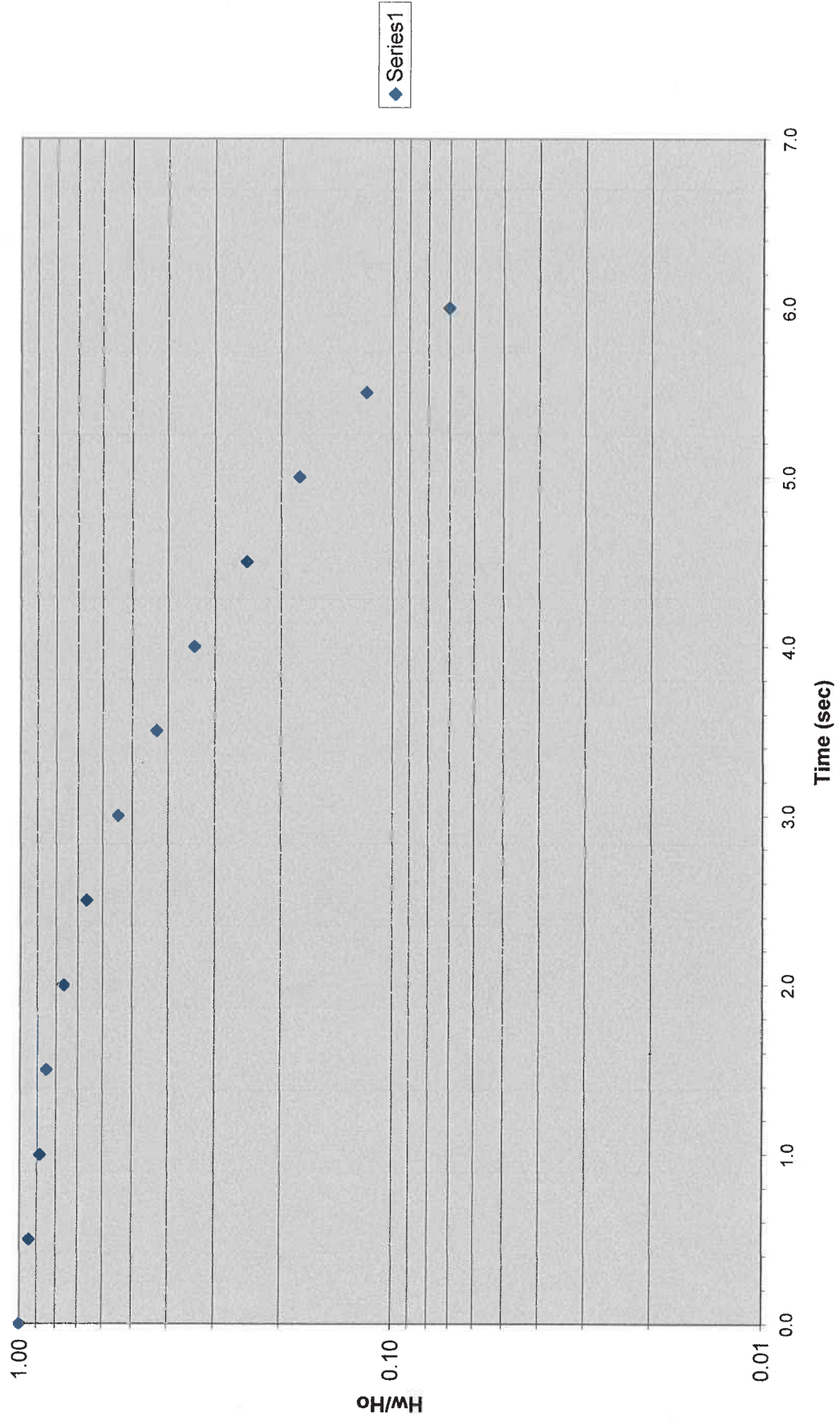
Recovery Data Table for P-57 Aquifer Test

H_o (ft)	H_w (ft)	ET (sec)	H_w/H_o	$\log(H_w/H_o)$	ET (sec)	ET Seconds	SWL (ft, btoc)	Depth Inches	Depth Feet	Relative Change Feet	
0.935	0.93	0.0	1.00	0.00	0.0	0.0	7.71	100.606	8.384	0.000	SWL=
0.935	0.89	0.5	0.95	-0.02	0.5	0.5	7.71	100.594	8.383	0.001	Pump On
0.935	0.88	1.0	0.94	-0.03	1.0	0.0	8.64	89.392	7.449	0.935	Pump Off
0.935	0.84	1.5	0.90	-0.05	1.5	0.5	8.60	89.938	7.495	0.889	
0.935	0.80	2.0	0.86	-0.07	2.0	1.0	8.59	90.053	7.504	0.880	
0.935	0.70	2.5	0.75	-0.13	2.5	1.5	8.55	90.554	7.546	0.838	
0.935	0.62	3.0	0.67	-0.18	3.0	2.0	8.51	90.988	7.582	0.802	
0.935	0.55	3.5	0.59	-0.23	3.5	2.5	8.41	92.237	7.686	0.698	
0.935	0.47	4.0	0.50	-0.30	4.0	3.0	8.33	93.116	7.760	0.624	
0.935	0.39	4.5	0.42	-0.38	4.5	3.5	8.26	94.011	7.834	0.550	
0.935	0.32	5.0	0.35	-0.46	5.0	4.0	8.18	94.977	7.915	0.469	
0.935	0.26	5.5	0.28	-0.55	5.5	4.5	8.10	95.916	7.993	0.391	
0.935	0.22	6.0	0.24	-0.63	6.0	5.0	8.03	96.737	8.061	0.323	
0.935	0.18	6.5	0.20	-0.70	6.5	5.5	7.97	97.441	8.120	0.264	
0.935	0.15	7.0	0.16	-0.79	7.0	6.0	7.93	97.964	8.164	0.220	
0.935	0.13	7.5	0.14	-0.86	7.5	6.5	7.89	98.394	8.199	0.185	
0.935	0.11	8.0	0.12	-0.93	8.0	7.0	7.86	98.795	8.233	0.151	
0.935	0.09	8.5	0.10	-1.02	8.5	7.5	7.84	99.057	8.255	0.129	
0.935	0.08	9.0	0.08	-1.09	9.0	8.0	7.82	99.295	8.275	0.109	
0.935	0.06	9.5	0.07	-1.16	9.5	8.5	7.80	99.539	8.295	0.089	90% Recovery
0.935	0.05	10.0	0.06	-1.24	10.0	9.0	7.79	99.687	8.307	0.077	
0.935	0.05	10.5	0.05	-1.32	10.5	9.5	7.77	99.829	8.319	0.065	
0.935	0.03	11.0	0.04	-1.43	11.0	10.0	7.76	99.964	8.330	0.054	
0.935	0.03	11.5	0.03	-1.49	11.5	10.5	7.76	100.066	8.339	0.045	95% Recovery
0.935	0.02	12.0	0.02	-1.66	12.0	11.0	7.74	100.191	8.349	0.035	
0.935	0.02	12.5	0.02	-1.68	12.5	11.5	7.74	100.248	8.354	0.030	
0.935	0.01	13.0	0.01	-1.89	13.0	12.0	7.73	100.363	8.364	0.020	
0.935	0.01	13.5	0.01	-1.99	13.5	12.5	7.73	100.374	8.364	0.020	
0.935	0.01	13.5	0.01	-1.99	13.5	13.0	7.72	100.464	8.372	0.012	99% Recovery
0.935	0.01	13.5	0.01	-1.99	13.5	13.5	7.72	100.492	8.374	0.010	

Detailed Site Investigation - Ameren Labadie Power Plant
Drawdown Curve - P61



Detailed Site Investigation - Ameren Labadie Power Plant
Plot of 90% Recovery Curve - P61

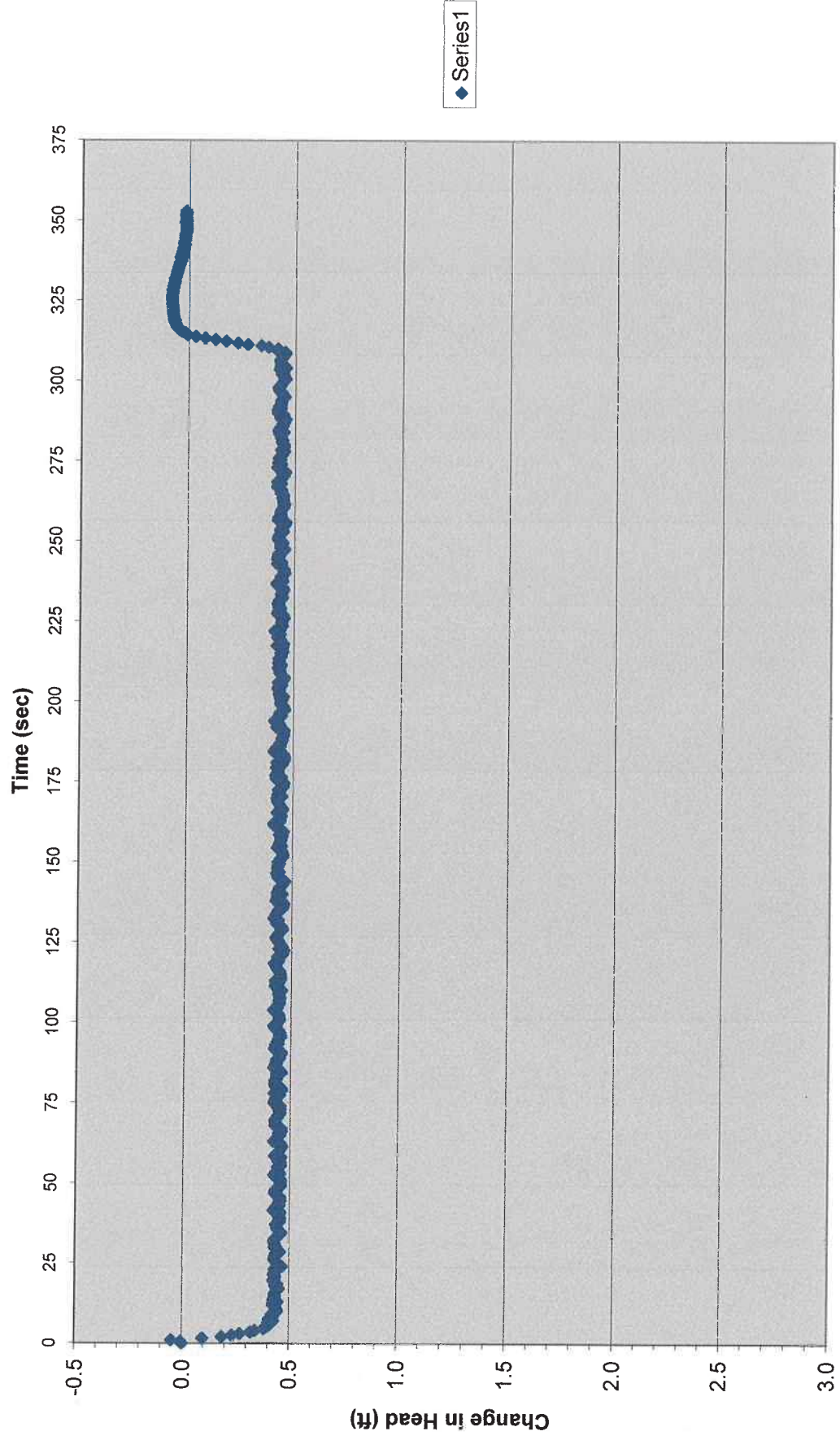


**Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri**

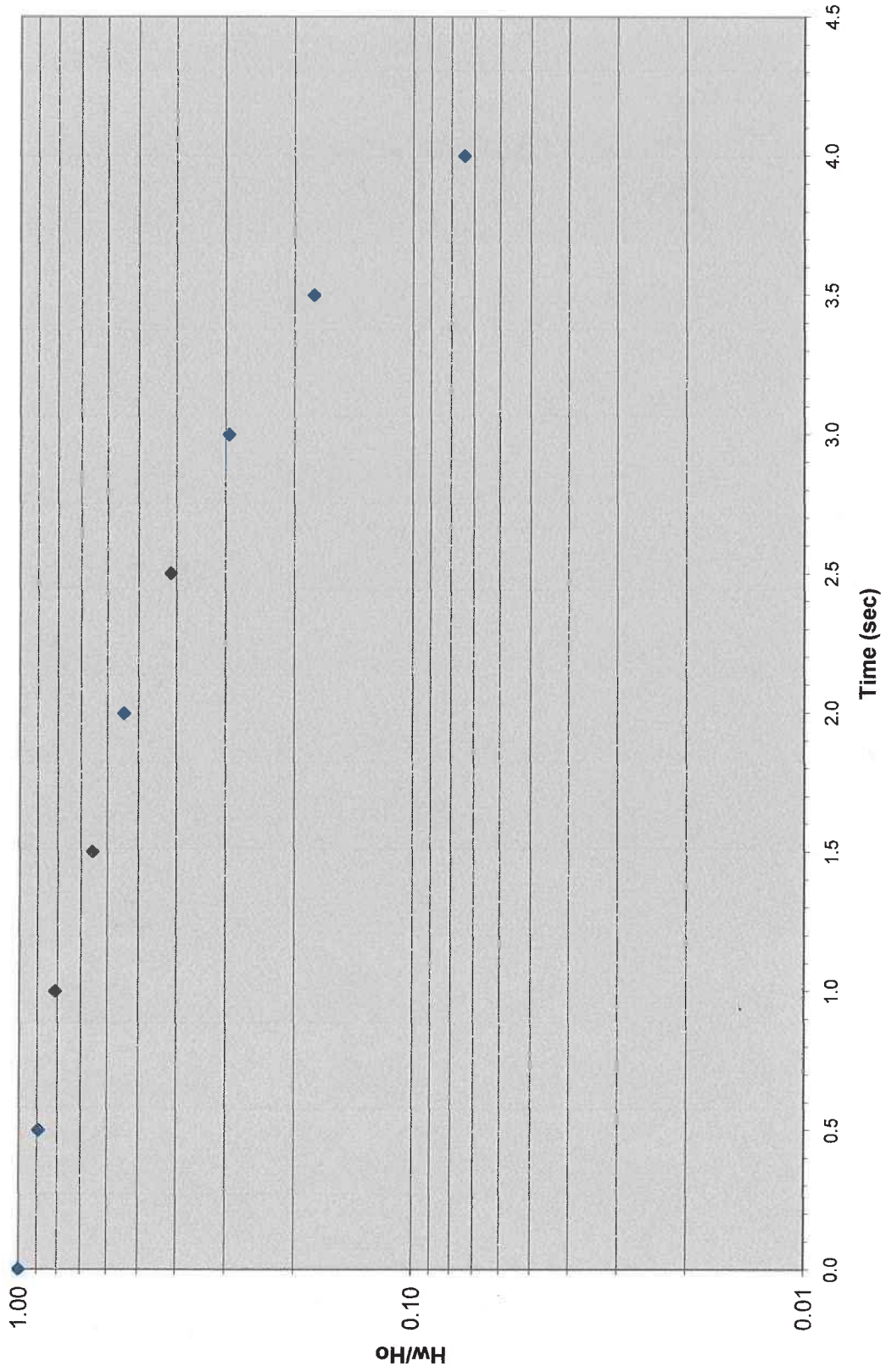
Recovery Data Table for P-61 Aquifer Test

H ₀ (ft)	H _w (ft)	ET (sec)	H _w /H ₀	Log(H _w /H ₀)	ET (sec)	ET Seconds	SWL (ft, btoc)	Depth Feet	Relative Change Feet	
0.489	0.49	0.0	1.00	0.00	0.0	0.0	9.43	8.34	0.000	SWL=
0.489	0.46	0.5	0.95	-0.02	0.5	0.5	9.43	8.33	0.003	Pump On
0.489	0.43	1.0	0.89	-0.05	1.0	0.0	9.92	7.85	0.489	Pump Off
0.489	0.42	1.5	0.85	-0.07	1.5	0.5	9.89	7.87	0.463	
0.489	0.38	2.0	0.77	-0.12	2.0	1.0	9.86	7.90	0.434	
0.489	0.33	2.5	0.67	-0.18	2.5	1.5	9.85	7.92	0.415	
0.489	0.27	3.0	0.55	-0.26	3.0	2.0	9.81	7.96	0.375	
0.489	0.21	3.5	0.43	-0.37	3.5	2.5	9.76	8.01	0.326	
0.489	0.17	4.0	0.34	-0.47	4.0	3.0	9.70	8.07	0.267	
0.489	0.12	4.5	0.25	-0.61	4.5	3.5	9.64	8.13	0.211	
0.489	0.09	5.0	0.18	-0.75	5.0	4.0	9.60	8.17	0.167	
0.489	0.06	5.5	0.12	-0.93	5.5	4.5	9.55	8.22	0.121	
0.489	0.03	6.0	0.07	-1.15	6.0	5.0	9.52	8.25	0.088	
0.489	0.02	6.5	0.03	-1.46	6.5	5.5	9.49	8.28	0.058	
0.489	0.01	7.0	0.02	-1.79	7.0	6.0	9.46	8.30	0.034	93% Recovery
						6.5	9.45	8.32	0.017	97% Recovery
						7.0	9.44	8.33	0.008	

Detailed Site Investigation - Ameren Labadie Power Plant
Drawdown Curve - P73



Detailed Site Investigation - Ameren Labadie Power Plant
Plot of 90% Recovery Curve - P73

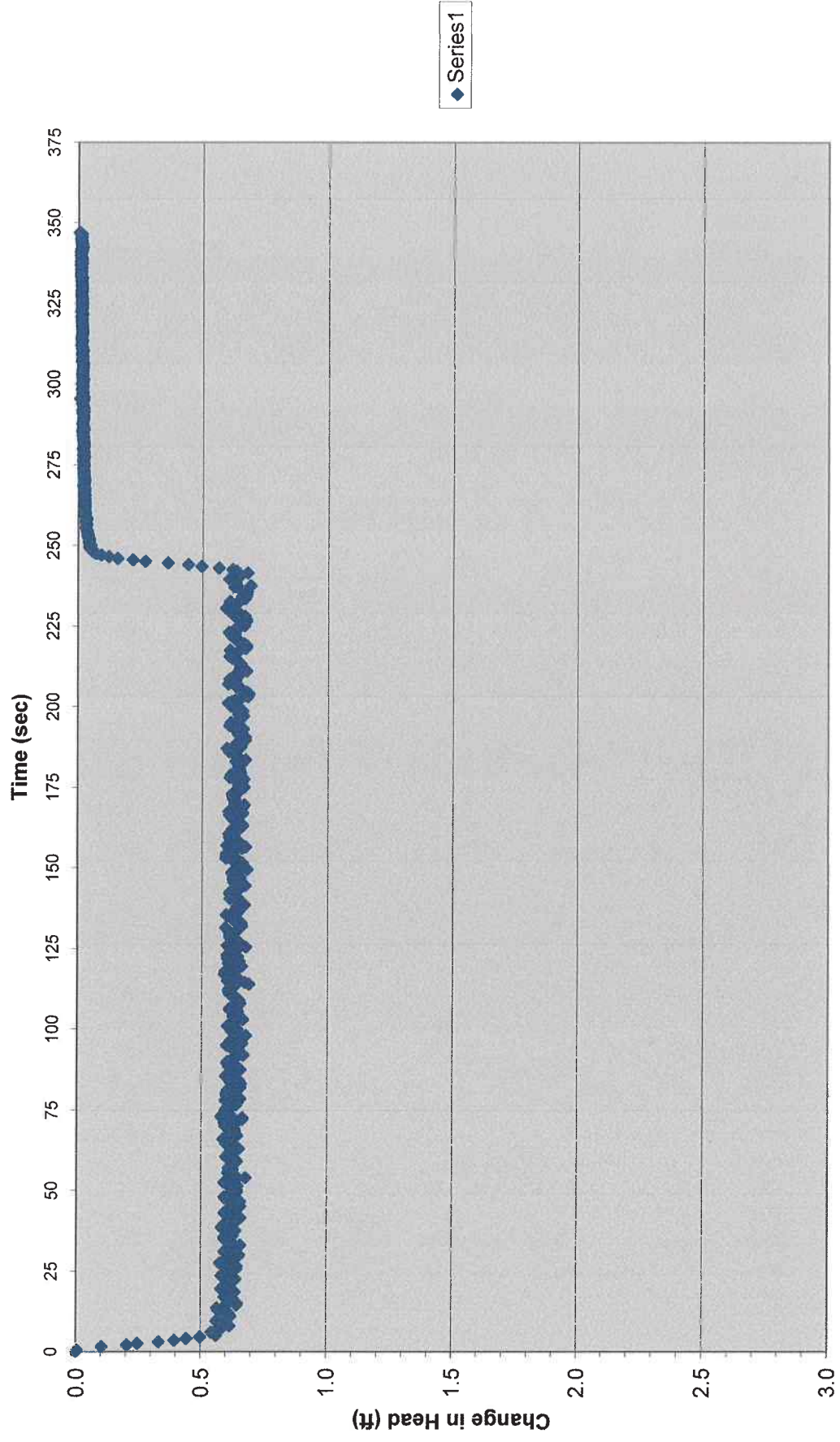


**Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri**

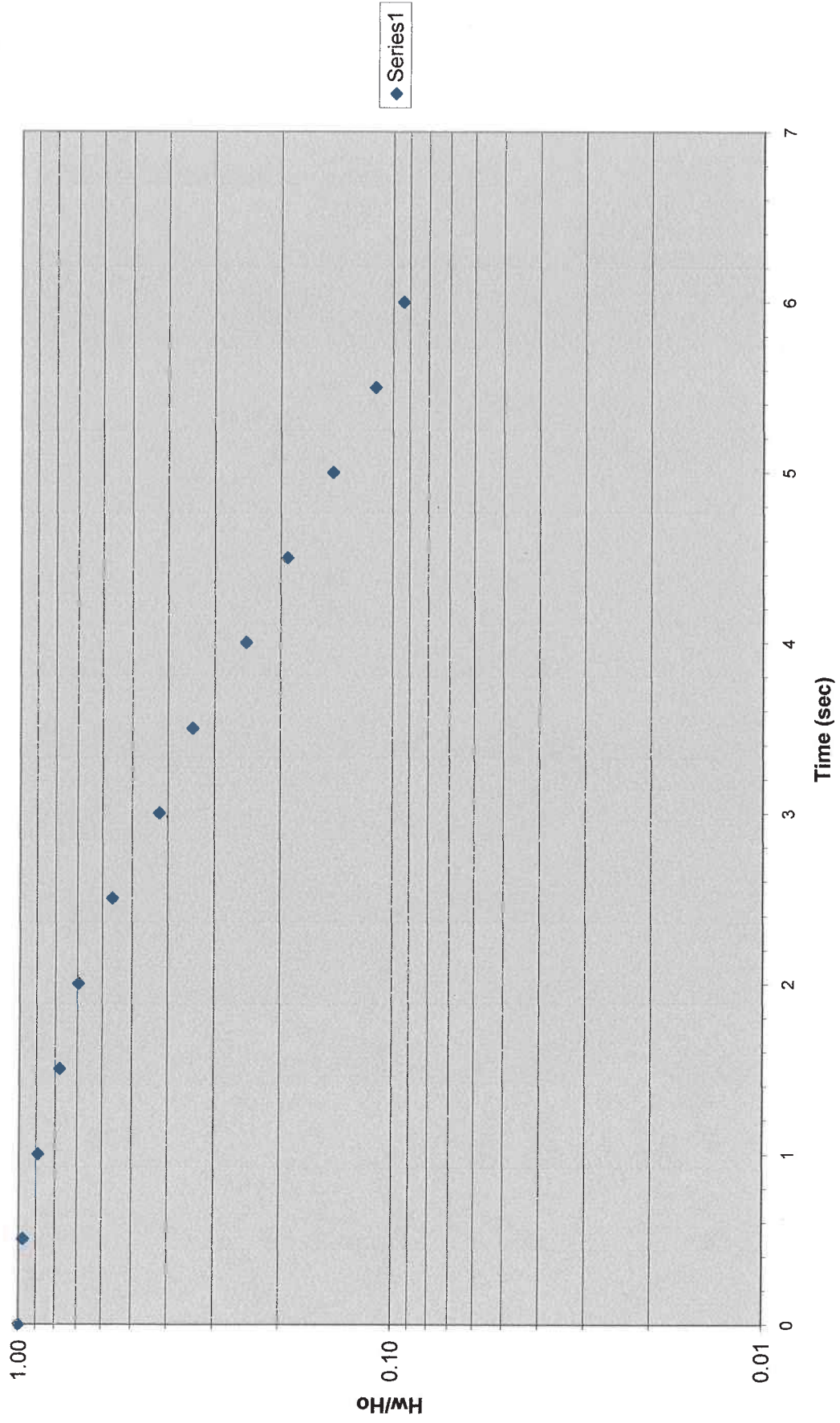
Recovery Data Table for P-73 Aquifer Test

H _o (ft)	H _w (ft)	ET (sec)	H _w /H _o	Log(H _w /H _o)	ET (sec)	ET		SWL (ft, btoc)	Depth		Relative Change	
						Seconds			Feet	Feet		
						0.0	10.62	6.50	0.000	SWL=		10.62
0.416	0.42	0.0	1.00	0.00	0.0	0.5	10.61	6.50	-0.005	Pump On		
0.416	0.37	0.5	0.89	-0.05	0.5	0.0	11.04	6.08	0.416	Pump Off		
0.416	0.34	1.0	0.81	-0.09	1.0	0.5	10.99	6.13	0.372			
0.416	0.27	1.5	0.66	-0.18	1.5	1.0	10.96	6.16	0.338			
0.416	0.23	2.0	0.54	-0.26	2.0	1.5	10.89	6.23	0.273			
0.416	0.17	2.5	0.41	-0.38	2.5	2.0	10.85	6.27	0.226			
0.416	0.12	3.0	0.29	-0.53	3.0	2.5	10.79	6.33	0.172			
0.416	0.07	3.5	0.18	-0.75	3.5	3.0	10.74	6.38	0.122			
0.416	0.03	4.0	0.07	-1.13	4.0	3.5	10.69	6.42	0.074			
0.416	-0.01	4.5	-0.02	#NUM!	4.5	4.0	10.65	6.47	0.031	93% Recovery		
0.416	-0.02	5.0	-0.04	#NUM!	5.0	4.5	10.61	6.50	-0.007			
						5.0	10.60	6.51	-0.017			

Detailed Site Investigation - Ameren Labadie Power Plant
Drawdown Curve - P81



Detailed Site Investigation - Ameren Labadie Power Plant
Plot of 90% Recovery Curve - P81

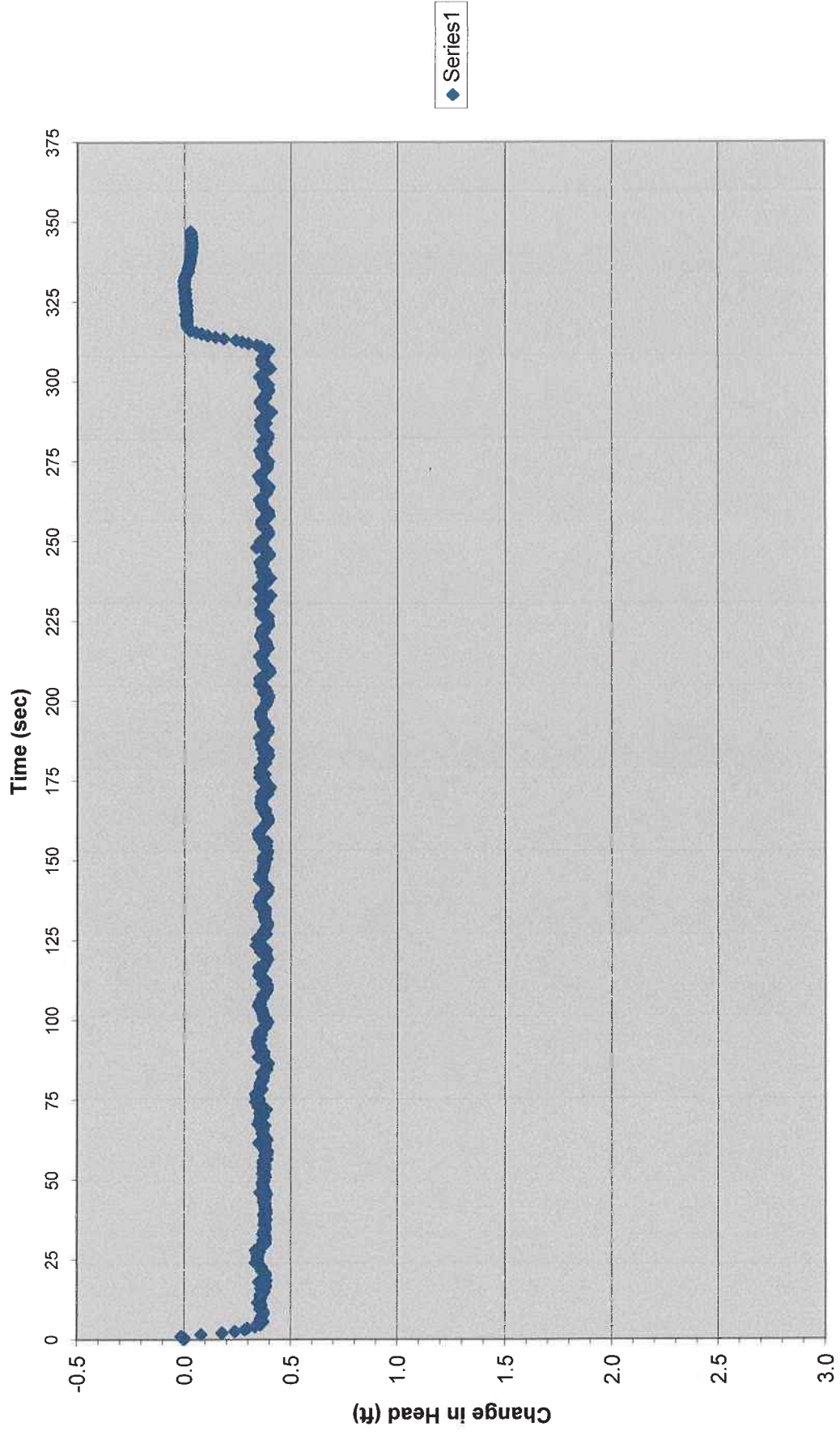


**Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri**

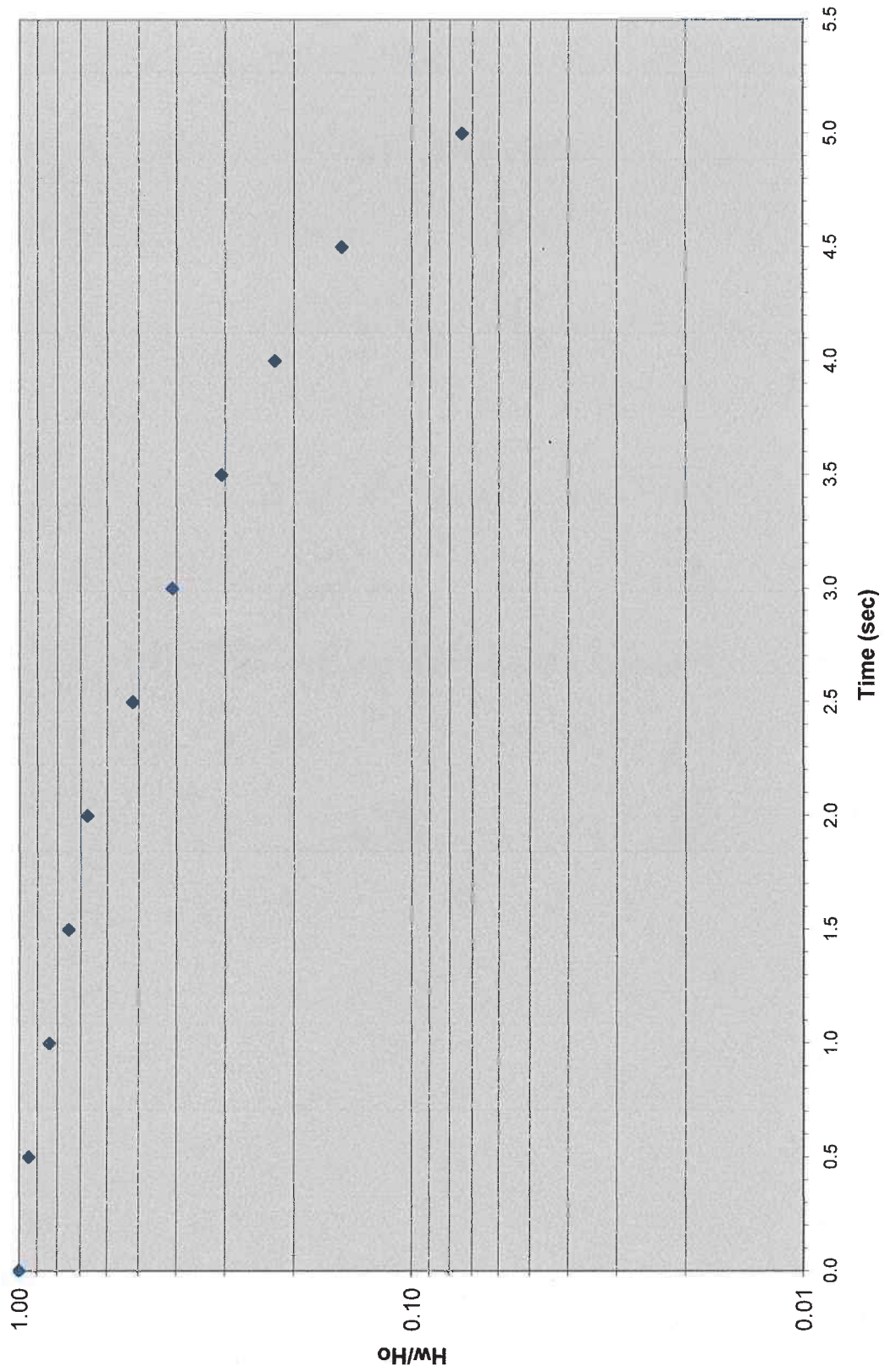
Recovery Data Table for P-81 Aquifer Test

H ₀ (ft)	H _w (ft)	ET (sec)	H _w /H ₀	Log(H _w /H ₀)	ET (sec)	ET Seconds	SWL (ft, btoc)	Depth Feet	Relative Change Feet
0.635	0.63	0.0	1.00	0.00	0.0	0.0	10.27	7.45	0.000 SWL=
0.635	0.62	0.5	0.97	-0.01	0.5	0.5	10.27	7.45	0.004 Pump On
0.635	0.56	1.0	0.89	-0.05	1.0	0.0	10.90	6.82	0.635 Pump Off
0.635	0.49	1.5	0.78	-0.11	1.5	0.5	10.89	6.84	0.619
0.635	0.44	2.0	0.70	-0.16	2.0	1.0	10.83	6.89	0.565
0.635	0.36	2.5	0.56	-0.25	2.5	1.5	10.76	6.96	0.494
0.635	0.27	3.0	0.42	-0.37	3.0	2.0	10.71	7.01	0.441
0.635	0.22	3.5	0.34	-0.46	3.5	2.5	10.63	7.10	0.358
0.635	0.16	4.0	0.25	-0.61	4.0	3.0	10.54	7.19	0.268
0.635	0.12	4.5	0.19	-0.72	4.5	3.5	10.49	7.24	0.218
0.635	0.09	5.0	0.15	-0.84	5.0	4.0	10.43	7.30	0.158
0.635	0.07	5.5	0.11	-0.95	5.5	4.5	10.39	7.33	0.122
0.635	0.06	6.0	0.09	-1.03	6.0	5.0	10.36	7.36	0.092
0.635	0.05	6.5	0.09	-1.07	6.5	5.5	10.34	7.38	0.071
0.635	0.05	7.0	0.07	-1.13	7.0	6.0	10.33	7.40	0.060 91% Recovery
0.635	0.04	7.5	0.07	-1.16	7.5	6.5	10.32	7.40	0.054
0.635	0.05	8.0	0.08	-1.11	8.0	7.0	10.32	7.41	0.047
0.635	0.05	8.5	0.07	-1.15	8.5	7.5	10.3141	7.41	0.044
0.635	0.04	9.0	0.07	-1.18	9.0	8.0	10.3198	7.41	0.050
0.635	0.04	9.5	0.07	-1.16	9.5	8.5	10.3153	7.41	0.045
0.635	0.04	10.0	0.07	-1.16	10.0	9.0	10.3119	7.41	0.042
0.635	0.04	10.5	0.06	-1.21	10.5	9.5	10.3139	7.41	0.044
0.635	0.04	11.0	0.06	-1.23	11.0	10.0	10.3138	7.41	0.044
0.635	0.04	11.5	0.06	-1.22	11.5	10.5	10.3091	7.42	0.039
0.635	0.04	12.0	0.06	-1.25	12.0	11.0	10.3074	7.42	0.037
0.635	0.04					11.5	10.3080	7.42	0.038
0.635	0.04					12.0	10.3054	7.42	0.035

Detailed Site Investigation - Ameren Labadie Power Plant
Drawdown Curve - P85



Detailed Site Investigation - Ameren Labadie Power Plant
Plot of 90% Recovery Curve - P85

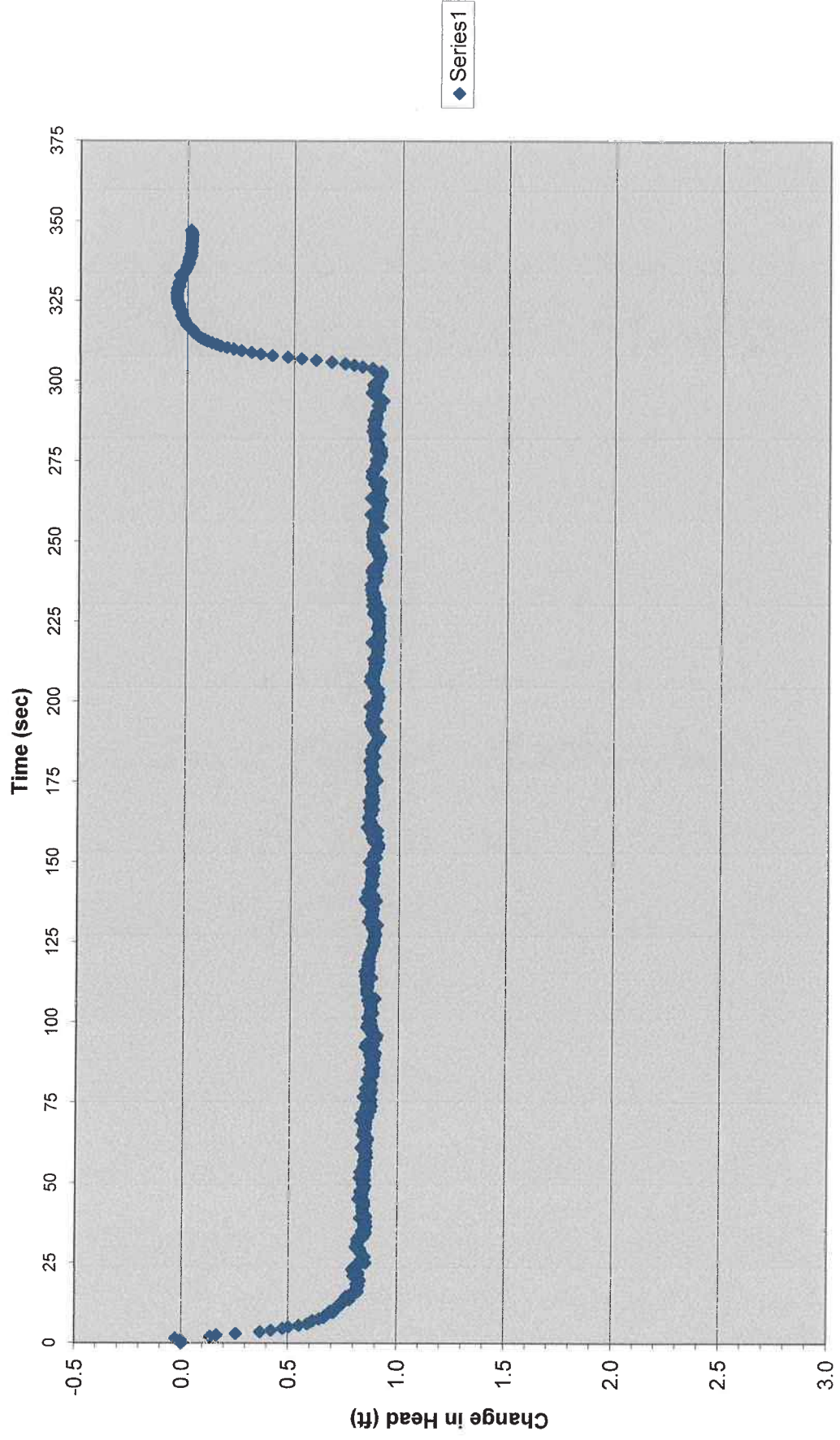


**Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri**

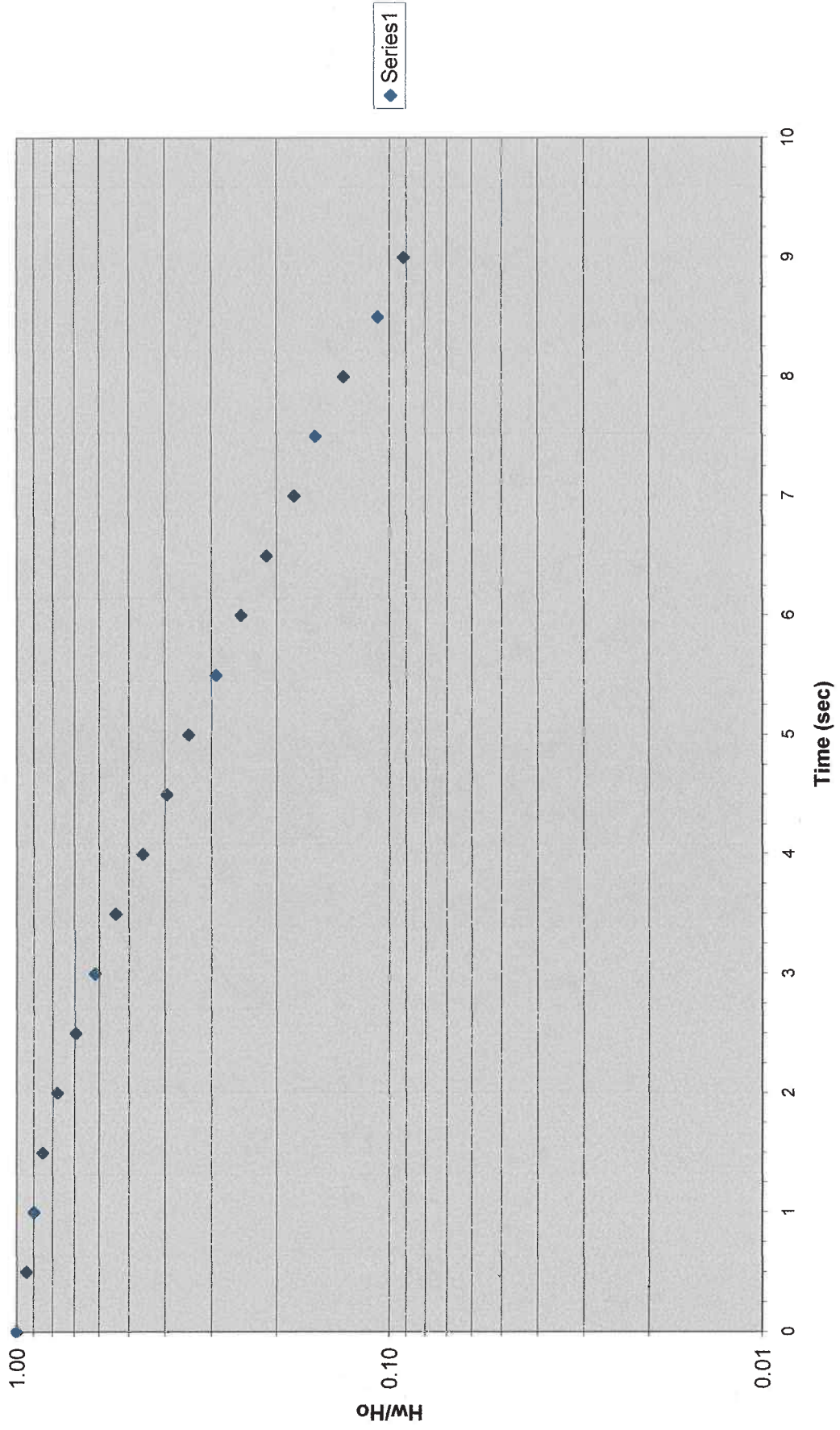
Recovery Data Table for P-85 Aquifer Test

H ₀ (ft)	H _w (ft)	ET (sec)	H _w /H ₀	Log(H _w /H ₀)	ET (sec)	ET Seconds	SWL (ft, btoc)	Depth Feet	Relative Change Feet	
0.358	0.36	0.0	1.00	0.00	0.0	0.0	5.95	7.95	0.000	SWL=
0.358	0.34	0.5	0.95	-0.02	0.5	0.5	5.95	7.95	0.000	Pump On
0.358	0.30	1.0	0.84	-0.08	1.0	0.0	6.31	7.59	0.358	Pump Off
0.358	0.27	1.5	0.75	-0.12	1.5	0.5	6.29	7.61	0.339	
0.358	0.24	2.0	0.67	-0.17	2.0	1.0	6.25	7.65	0.300	
0.358	0.19	2.5	0.52	-0.29	2.5	1.5	6.22	7.68	0.269	
0.358	0.15	3.0	0.41	-0.39	3.0	2.0	6.19	7.70	0.241	
0.358	0.11	3.5	0.31	-0.51	3.5	2.5	6.14	7.76	0.185	
0.358	0.08	4.0	0.22	-0.65	4.0	3.0	6.10	7.80	0.147	
0.358	0.05	4.5	0.15	-0.82	4.5	3.5	6.06	7.84	0.110	
0.358	0.03	5.0	0.07	-1.13	5.0	4.0	6.03	7.87	0.080	
0.358	0.02	5.5	0.06	-1.21	5.5	4.5	6.00	7.89	0.054	
0.358	0.02	6.0	0.04	-1.37	6.0	5.0	5.98	7.92	0.027	93% Recovery
0.358	0.01	6.5	0.04	-1.45	6.5	5.5	5.97	7.92	0.022	
0.358	0.01	7.0	0.03	-1.58	7.0	6.0	5.97	7.93	0.015	95% Recovery
0.358	0.01	7.5	0.03	-1.54	7.5	6.5	5.96	7.93	0.013	
0.358	0.01	8.0	0.03	-1.46	8.0	7.0	5.96	7.94	0.010	
0.358	0.01	8.5	0.03	-1.57	8.5	7.5	5.96	7.94	0.010	
0.358	0.01	9.0	0.03	-1.53	9.0	8.0	5.96	7.93	0.013	
0.358	0.01	9.5	0.03	-1.50	9.5	8.5	5.96	7.94	0.010	
0.358	0.01	10.0	0.01	-2.03	10.0	9.0	5.96	7.94	0.011	
0.358	0.00					9.5	5.96	7.93	0.011	
						10.0	5.95	7.94	0.003	99% Recovery

Detailed Site Investigation - Ameren Labadie Power Plant
Drawdown Curve - P104



Detailed Site Investigation - Ameren Labadie Power Plant
Plot of 90% Recovery Curve - P104



**Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri**

Recovery Data Table for P-104 Aquifer Test

H ₀ (ft)	H _w (ft)	ET (sec)	H _w /H ₀	Log(H _w /H ₀)	ET (sec)	ET Seconds	SWL (ft, btoc)	Depth Feet	Relative Change Feet
0.861	0.86	0.0	1.00	0.00	0.0	0.0	7.6200	6.82	0.000 SWL=
0.861	0.81	0.5	0.94	-0.02	0.5	0.5	7.6177	6.82	-0.002 Pump On
0.861	0.77	1.0	0.90	-0.05	1.0	0.0	8.4813	5.96	0.861 Pump Off
0.861	0.73	1.5	0.85	-0.07	1.5	0.5	8.4333	6.01	0.813
0.861	0.67	2.0	0.78	-0.11	2.0	1.0	8.3944	6.04	0.774
0.861	0.60	2.5	0.70	-0.16	2.5	1.5	8.3548	6.08	0.735
0.861	0.53	3.0	0.62	-0.21	3.0	2.0	8.2922	6.15	0.672
0.861	0.47	3.5	0.54	-0.26	3.5	2.5	8.2195	6.22	0.600
0.861	0.40	4.0	0.46	-0.34	4.0	3.0	8.1510	6.29	0.531
0.861	0.34	4.5	0.40	-0.40	4.5	3.5	8.0878	6.35	0.468
0.861	0.30	5.0	0.35	-0.46	5.0	4.0	8.0164	6.42	0.396
0.861	0.25	5.5	0.29	-0.54	5.5	4.5	7.9611	6.48	0.341
0.861	0.22	6.0	0.25	-0.60	6.0	5.0	7.9181	6.52	0.298
0.861	0.18	6.5	0.21	-0.67	6.5	5.5	7.8707	6.57	0.251
0.861	0.15	7.0	0.18	-0.74	7.0	6.0	7.8357	6.60	0.216
0.861	0.14	7.5	0.16	-0.80	7.5	6.5	7.8039	6.64	0.184
0.861	0.11	8.0	0.13	-0.88	8.0	7.0	7.7750	6.66	0.155
0.861	0.09	8.5	0.11	-0.97	8.5	7.5	7.7561	6.68	0.136
0.861	0.08	9.0	0.09	-1.04	9.0	8.0	7.7346	6.70	0.115
0.861	0.06	9.5	0.07	-1.13	9.5	8.5	7.7127	6.73	0.093
0.861	0.05	10.0	0.06	-1.22	10.0	9.0	7.6990	6.74	0.079 91% Recovery
0.861	0.04	10.5	0.05	-1.29	10.5	9.5	7.6839	6.76	0.064
0.861	0.03	11.0	0.04	-1.43	11.0	10.0	7.6722	6.77	0.052
						10.5	7.6638	6.78	0.044 95% Recovery
						11.0	7.6518	6.79	0.032

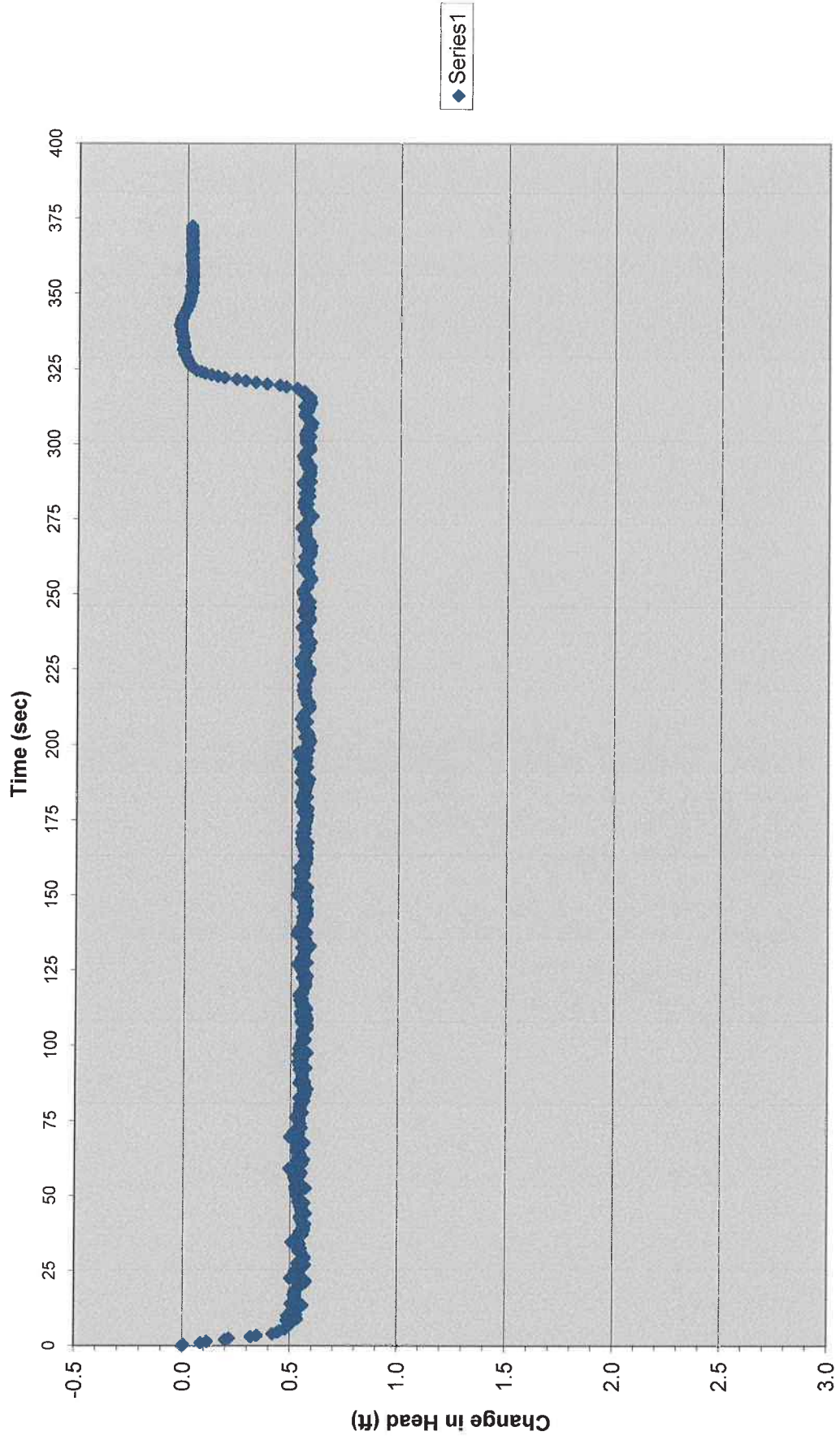
7.62

**Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri**

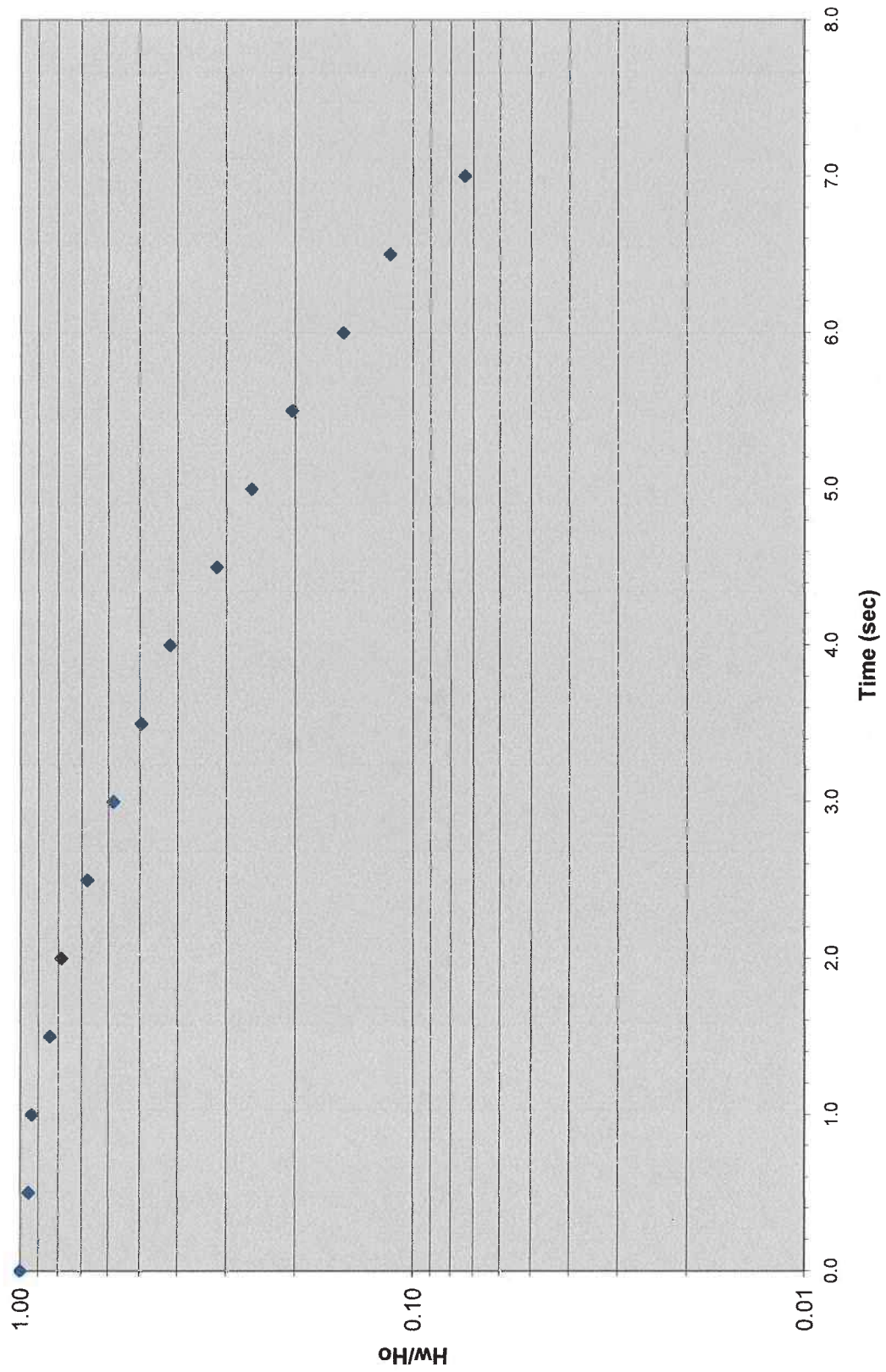
Recovery Data Table for P-104 Aquifer Test

0.861	0.03	11.5	0.03	-1.50	11.5	7.6474	6.79	0.027
0.861	0.03	12.0	0.03	-1.52	12.0	7.6460	6.79	0.026
0.861	0.01	12.5	0.01	-1.90	12.5	7.6308	6.81	0.011 99% Recovery
0.861	0.01	13.0	0.01	-2.06	13.0	7.6275	6.81	0.008

Detailed Site Investigation - Ameren Labadie Power Plant
Drawdown Curve - P114



Detailed Site Investigation - Ameren Labadie Power Plant
Plot of 90% Recovery Curve - P114



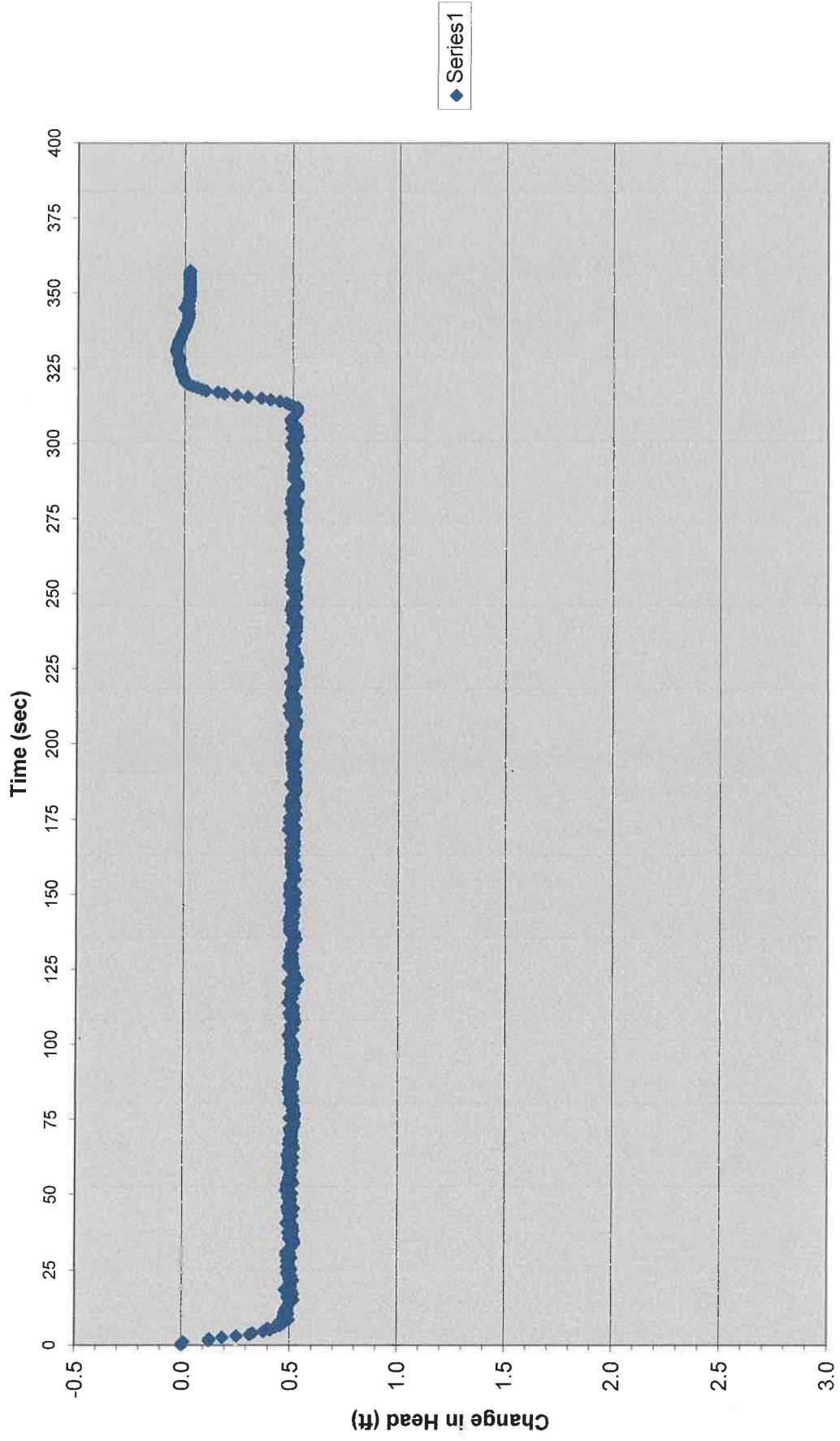
**Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri**

Recovery Data Table for P-114 Aquifer Test

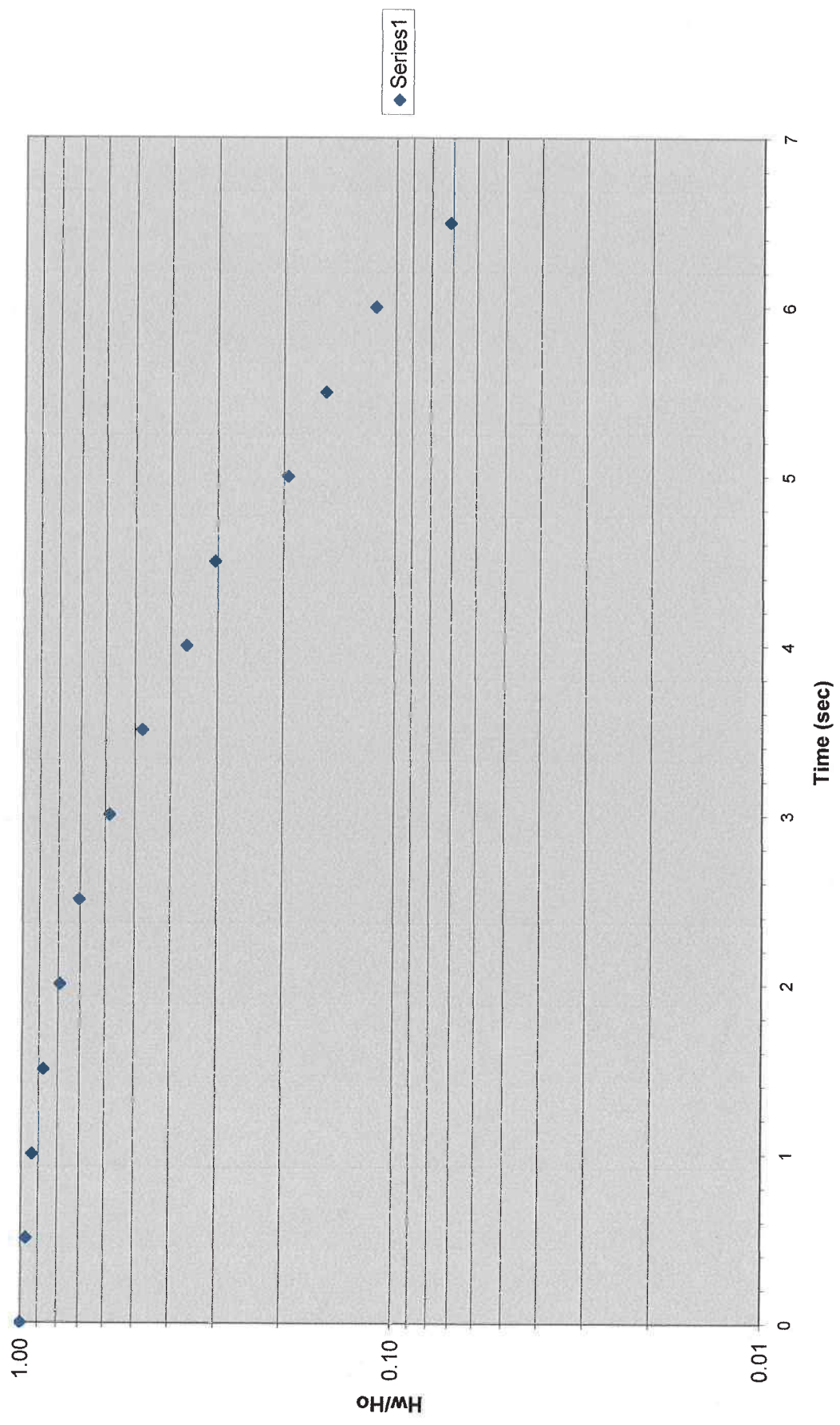
H_o (ft)	H_w (ft)	ET (sec)	H_w/H_o	$\log(H_w/H_o)$	ET (sec)	ET Seconds	SWL (ft, btoc)	Depth Feet	Relative Change Feet	
0.547	0.55	0.0	1.00	0.00	0.0	0.0	5.640	10.80	0.000	SWL=
0.547	0.52	0.5	0.95	-0.02	0.5	0.5	5.644	10.80	0.004	Pump On
0.547	0.51	1.0	0.94	-0.03	1.0	0.0	6.187	10.25	0.547	Pump Off
0.547	0.46	1.5	0.84	-0.07	1.5	0.5	6.162	10.28	0.522	
0.547	0.43	2.0	0.79	-0.10	2.0	1.0	6.153	10.29	0.513	
0.547	0.37	2.5	0.68	-0.17	2.5	1.5	6.101	10.34	0.461	
0.547	0.32	3.0	0.58	-0.23	3.0	2.0	6.072	10.37	0.432	
0.547	0.27	3.5	0.50	-0.30	3.5	2.5	6.011	10.43	0.371	
0.547	0.23	4.0	0.42	-0.38	4.0	3.0	5.959	10.48	0.319	
0.547	0.17	4.5	0.32	-0.50	4.5	3.5	5.911	10.53	0.271	
0.547	0.14	5.0	0.26	-0.59	5.0	4.0	5.869	10.57	0.229	
0.547	0.11	5.5	0.20	-0.69	5.5	4.5	5.814	10.63	0.174	
0.547	0.08	6.0	0.15	-0.82	6.0	5.0	5.781	10.66	0.141	
0.547	0.06	6.5	0.11	-0.94	6.5	5.5	5.752	10.69	0.112	
0.547	0.04	7.0	0.07	-1.13	7.0	6.0	5.722	10.72	0.082	
0.547	0.03	7.5	0.06	-1.22	7.5	6.5	5.703	10.74	0.063	
0.547	0.02	8.0	0.05	-1.34	8.0	7.0	5.680	10.76	0.040	93% Recovery
0.547	0.01	8.5	0.02	-1.63	8.5	7.5	5.673	10.77	0.033	
0.547	0.01	9.0	0.02	-1.76	9.0	8.0	5.665	10.78	0.025	95% Recovery
0.547	0.01	9.5	0.01	-1.96	9.5	8.5	5.653	10.79	0.013	
0.547	0.01	9.5	0.01	-1.96	9.5	9.0	5.650	10.79	0.010	
0.547	0.01	9.5	0.01	-1.96	9.5	9.5	5.646	10.79	0.006	99% Recovery

5.64

Detailed Site Investigation - Ameren Labadie Power Plant
Drawdown Curve - P120



Detailed Site Investigation - Ameren Labadie Power Plant
Plot of 90% Recovery Curve - P120



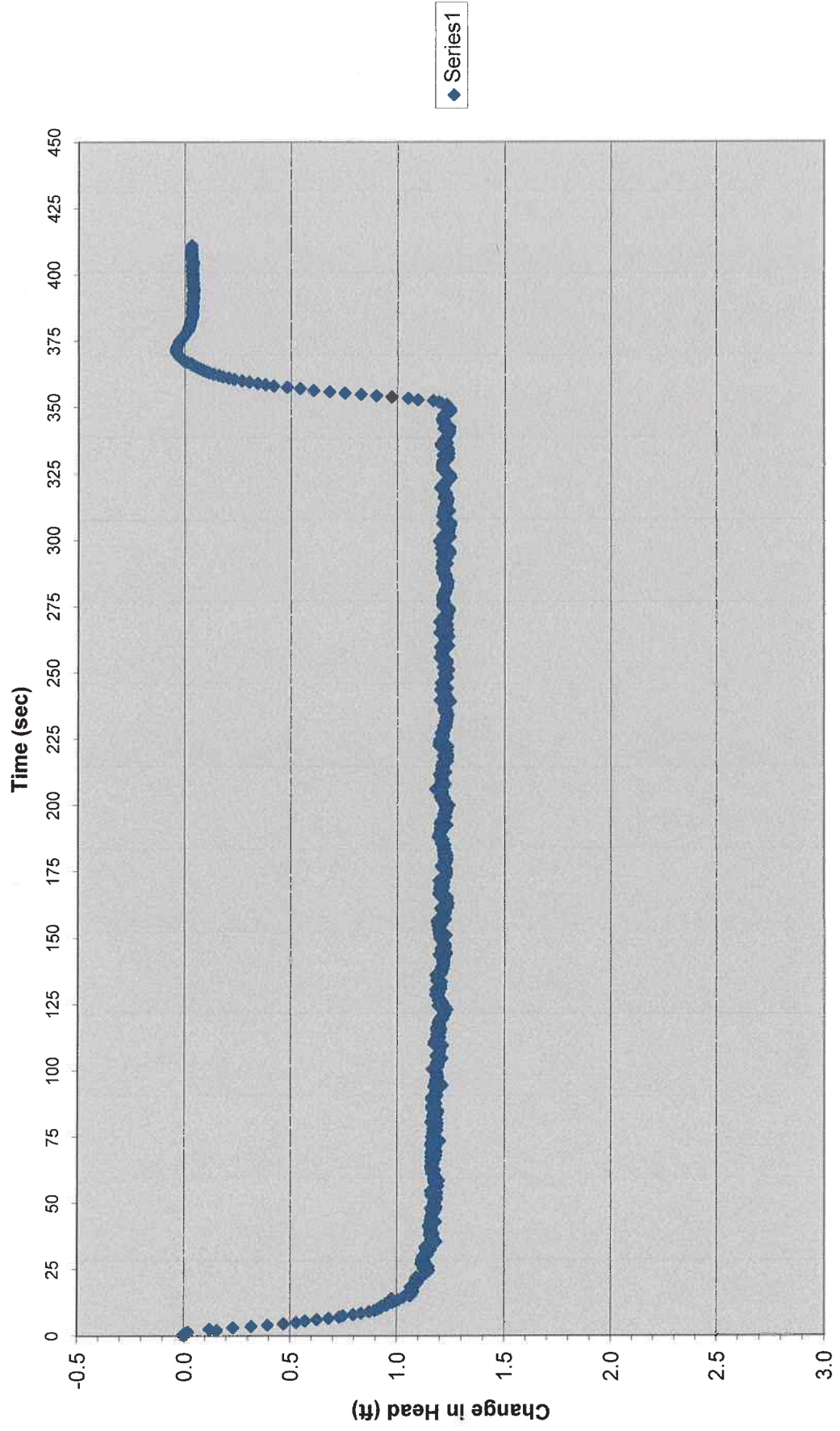
**Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri**

Recovery Data Table for P-120 Aquifer Test

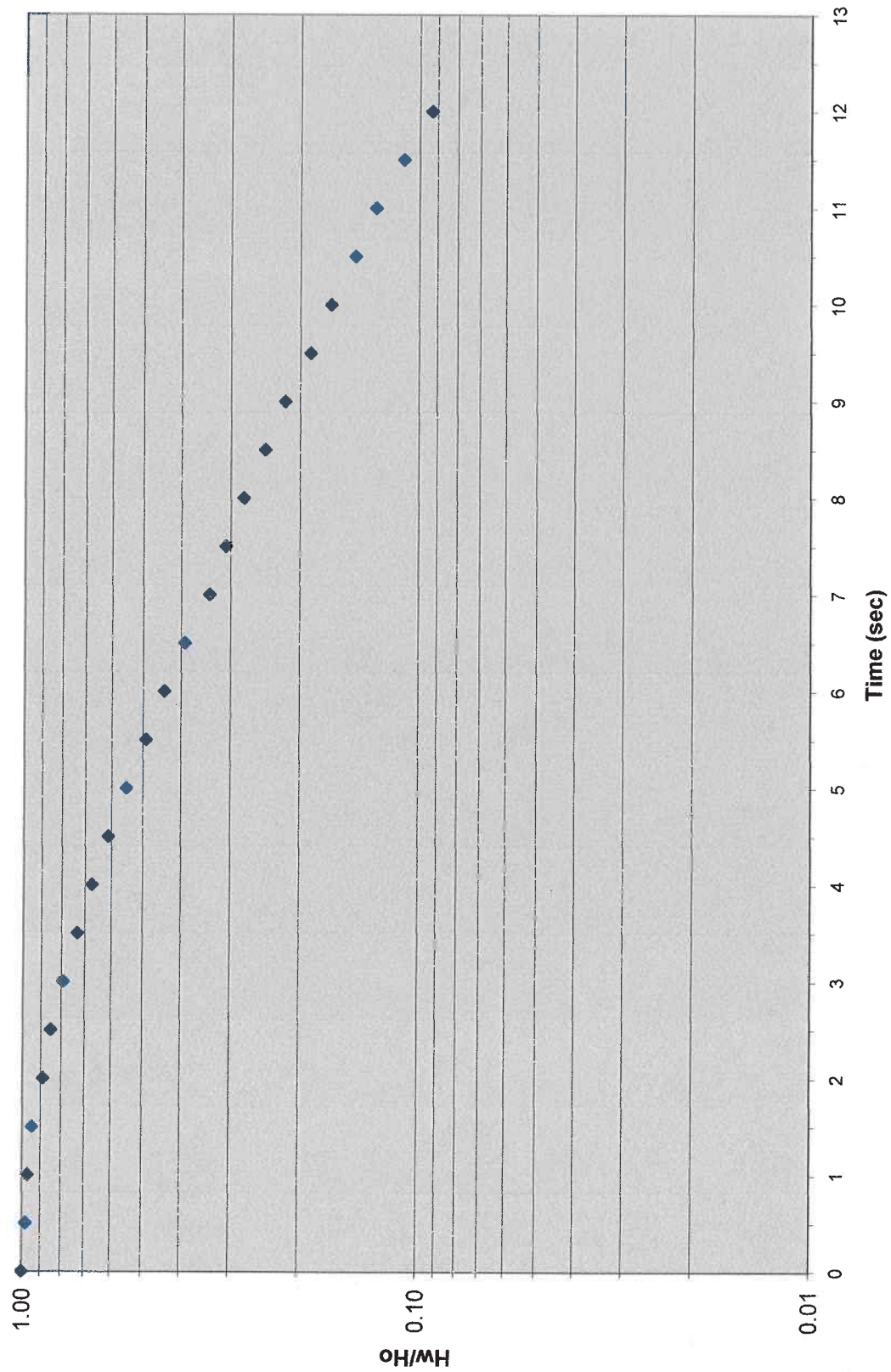
H ₀ (ft)	H _w (ft)	ET (sec)	H _w /H ₀	Log(H _w /H ₀)	ET (sec)	ET Seconds	SWL (ft, btoc)	Depth Feet	Relative Change Feet	
0.497	0.50	0.0	1.00	0.00	0.0	0.0	6.940	7.40	0.000	SWL=
0.497	0.48	0.5	0.97	-0.01	0.5	0.5	6.942	7.40	0.002	Pump On
0.497	0.47	1.0	0.94	-0.03	1.0	0.0	7.437	6.91	0.497	Pump Off
0.497	0.44	1.5	0.88	-0.06	1.5	0.5	7.421	6.92	0.481	
0.497	0.39	2.0	0.79	-0.10	2.0	1.0	7.406	6.94	0.466	
0.497	0.35	2.5	0.71	-0.15	2.5	1.5	7.376	6.97	0.436	
0.497	0.29	3.0	0.58	-0.23	3.0	2.0	7.334	7.01	0.394	
0.497	0.24	3.5	0.48	-0.32	3.5	2.5	7.291	7.05	0.351	
0.497	0.18	4.0	0.36	-0.44	4.0	3.0	7.230	7.11	0.290	
0.497	0.15	4.5	0.31	-0.52	4.5	3.5	7.178	7.16	0.238	
0.497	0.10	5.0	0.20	-0.71	5.0	4.0	7.121	7.22	0.181	
0.497	0.08	5.5	0.15	-0.81	5.5	4.5	7.092	7.25	0.152	
0.497	0.06	6.0	0.11	-0.95	6.0	5.0	7.037	7.31	0.097	
0.497	0.04	6.5	0.07	-1.15	6.5	5.5	7.017	7.33	0.077	
0.497	0.02	7.0	0.04	-1.39	7.0	6.0	6.996	7.35	0.056	
0.497	0.01	7.5	0.01	-1.83	7.5	6.5	6.975	7.37	0.035	93% Recovery
						7.0	6.960	7.38	0.020	96% Recovery
						7.5	6.947	7.39	0.007	99% Recovery

6.94

Detailed Site Investigation - Ameren Labadie Power Plant
Drawdown Curve - P126



Detailed Site Investigation - Ameren Labadie Power Plant
Plot of 90% Recovery Curve - P126



**Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri**

Recovery Data Table for P-126 Aquifer Test

H ₀ (ft)	H _w (ft)	ET (sec)	H _w /H ₀	Log(H _w /H ₀)	ET (sec)	ET Seconds	SWL (ft, btoc)	Depth Feet	Relative Change Feet	
1.225	1.23	0.0	1.00	0.00	0.0	0.0	7.6200	9.79	0.000	SWL=
1.225	1.20	0.5	0.98	-0.01	0.5	0.5	7.6174	9.80	-0.003	Pump On
1.225	1.19	1.0	0.97	-0.01	1.0	0.0	8.8452	8.57	1.225	Pump Off
1.225	1.16	1.5	0.95	-0.02	1.5	0.5	8.8195	8.60	1.200	
1.225	1.09	2.0	0.89	-0.05	2.0	1.0	8.8082	8.61	1.188	
1.225	1.04	2.5	0.85	-0.07	2.5	1.5	8.7830	8.63	1.163	
1.225	0.97	3.0	0.79	-0.10	3.0	2.0	8.7092	8.71	1.089	
1.225	0.90	3.5	0.73	-0.14	3.5	2.5	8.6642	8.75	1.044	
1.225	0.82	4.0	0.67	-0.17	4.0	3.0	8.5934	8.82	0.973	
1.225	0.75	4.5	0.61	-0.21	4.5	3.5	8.5163	8.90	0.896	
1.225	0.68	5.0	0.55	-0.26	5.0	4.0	8.4441	8.97	0.824	
1.225	0.60	5.5	0.49	-0.31	5.5	4.5	8.3686	9.05	0.749	
1.225	0.54	6.0	0.44	-0.35	6.0	5.0	8.2974	9.12	0.677	
1.225	0.48	6.5	0.39	-0.41	6.5	5.5	8.2218	9.19	0.602	
1.225	0.42	7.0	0.34	-0.47	7.0	6.0	8.1612	9.25	0.541	
1.225	0.38	7.5	0.31	-0.51	7.5	6.5	8.1001	9.31	0.480	
1.225	0.34	8.0	0.28	-0.56	8.0	7.0	8.0365	9.38	0.416	
1.225	0.30	8.5	0.25	-0.61	8.5	7.5	7.9979	9.42	0.378	
1.225	0.27	9.0	0.22	-0.66	9.0	8.0	7.9608	9.45	0.341	
1.225	0.23	9.5	0.19	-0.72	9.5	8.5	7.9209	9.49	0.301	
1.225	0.20	10.0	0.17	-0.78	10.0	9.0	7.8873	9.53	0.267	
1.225	0.18	10.5	0.15	-0.84	10.5	9.5	7.8508	9.56	0.231	
1.225	0.16	11.0	0.13	-0.89	11.0	10.0	7.8244	9.59	0.204	
						10.5	7.7980	9.62	0.178	
						11.0	7.7781	9.64	0.158	

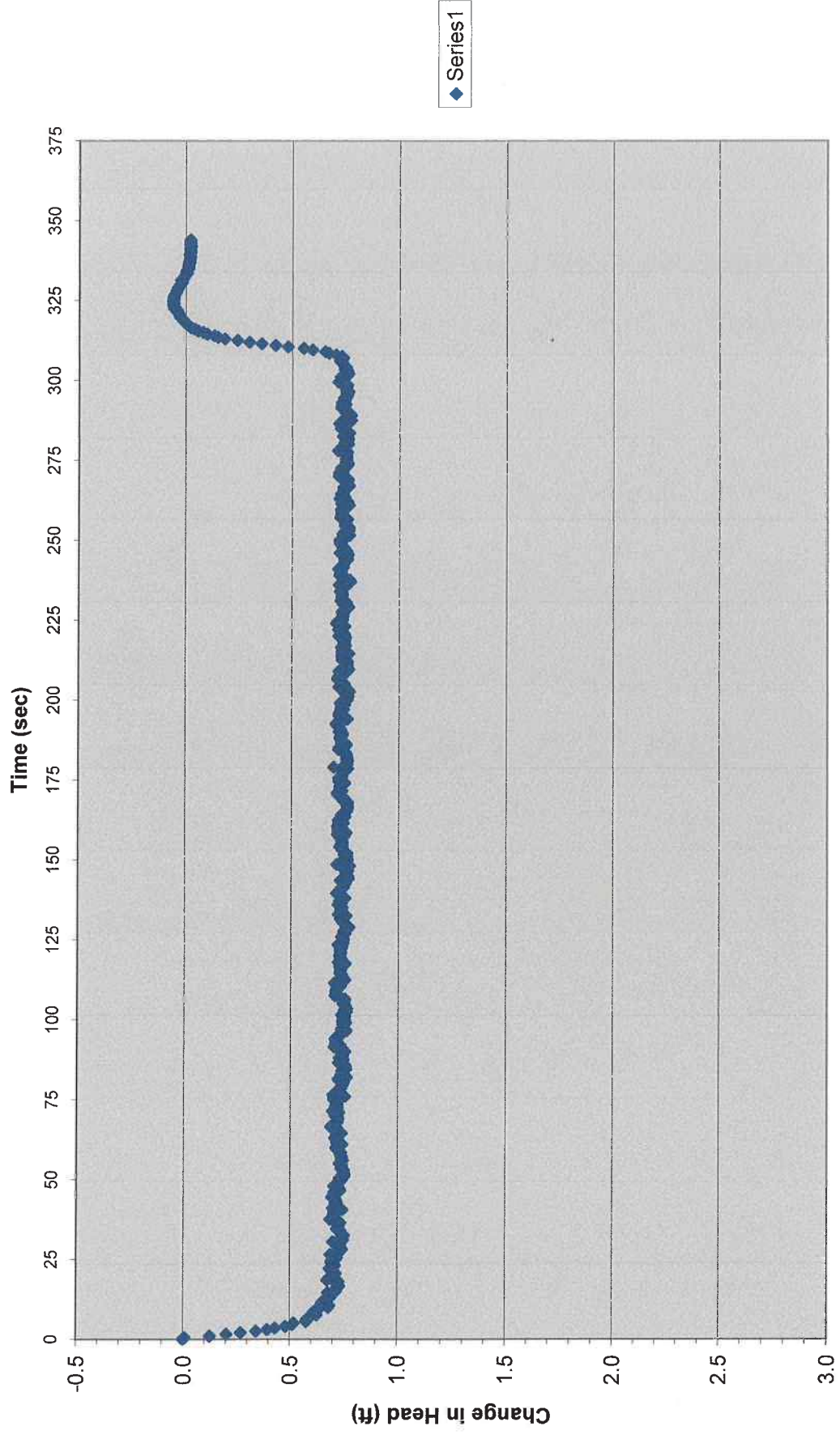
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**Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri**

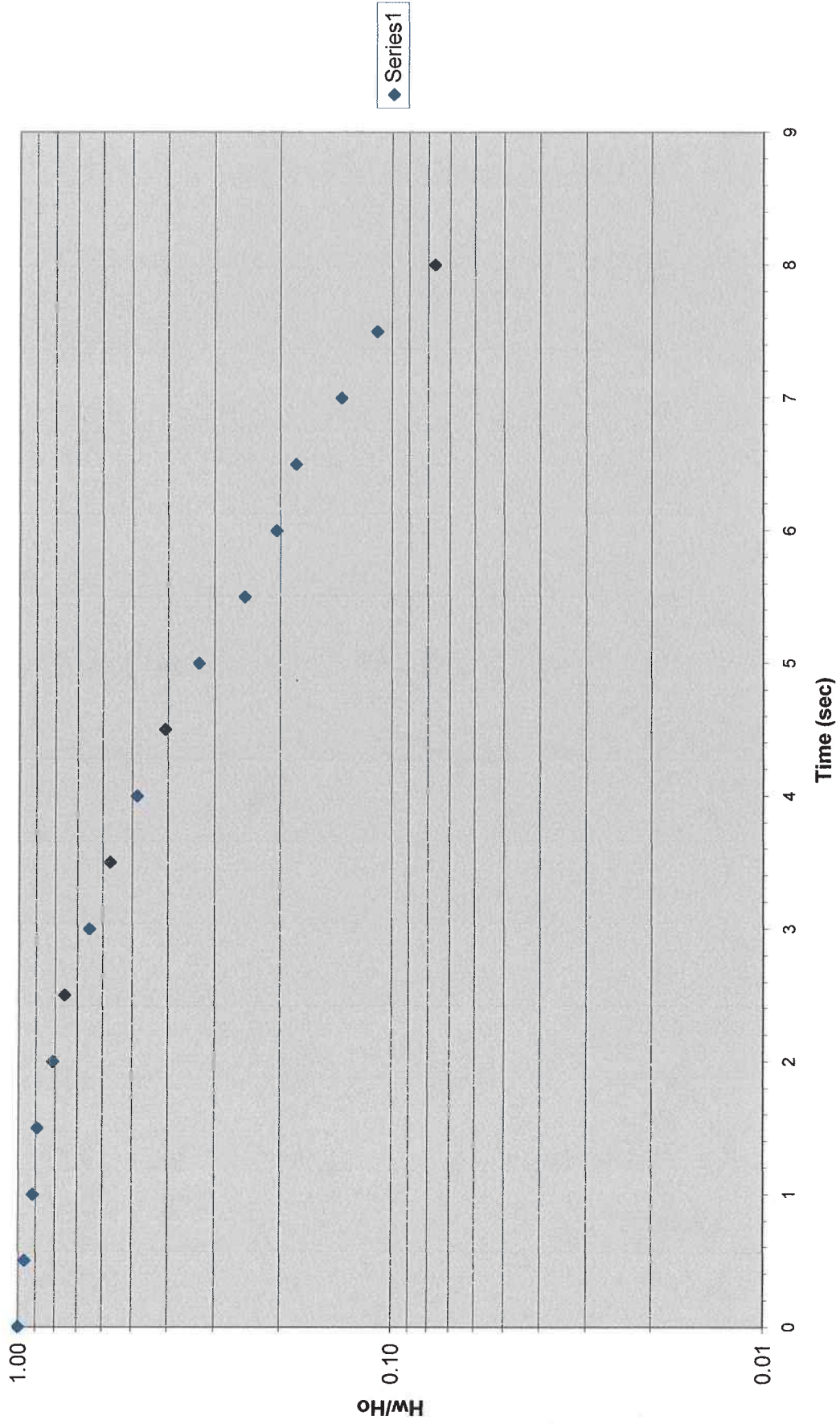
Recovery Data Table for P-126 Aquifer Test

1.225	0.13	11.5	0.11	-0.96	11.5	7.7547	9.66	0.135
1.225	0.11	12.0	0.09	-1.03	12.0	7.7341	9.68	0.114 91% Recovery
1.225	0.10	12.5	0.08	-1.09	12.5	7.7196	9.70	0.100
1.225	0.08	13.0	0.07	-1.17	13.0	7.7026	9.71	0.083
1.225	0.07	13.5	0.06	-1.25	13.5	7.6893	9.73	0.069
1.225	0.06	14.0	0.05	-1.33	14.0	7.6768	9.74	0.057 95% Recovery
1.225	0.05	14.5	0.04	-1.43	14.5	7.6653	9.75	0.045
1.225	0.03	15.0	0.03	-1.59	15.0	7.6515	9.76	0.032
1.225	0.03	15.5	0.02	-1.64	15.5	7.6479	9.77	0.028
1.225	0.01	16.0	0.01	-2.08	16.0	7.6302	9.78	0.010 99% Recovery

Detailed Site Investigation - Ameren Labadie Power Plant
Drawdown Curve - P128



Detailed Site Investigation - Ameren Labadie Power Plant
Plot of 90% Recovery Curve - P128



Detailed Site Investigation

Proposed Utility Waste Disposal Area

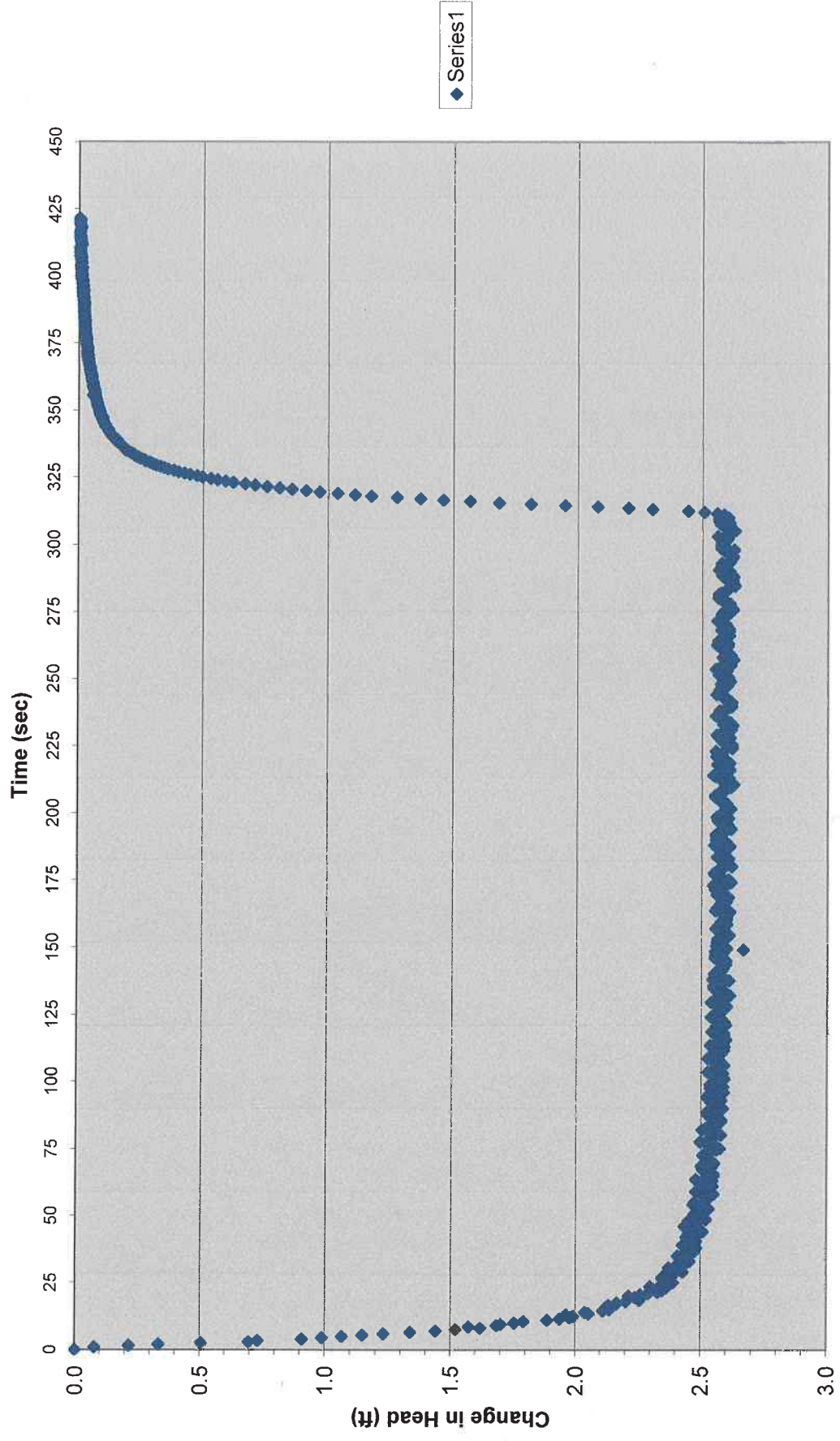
Ameren Labadie Power Plant

Franklin County, Missouri

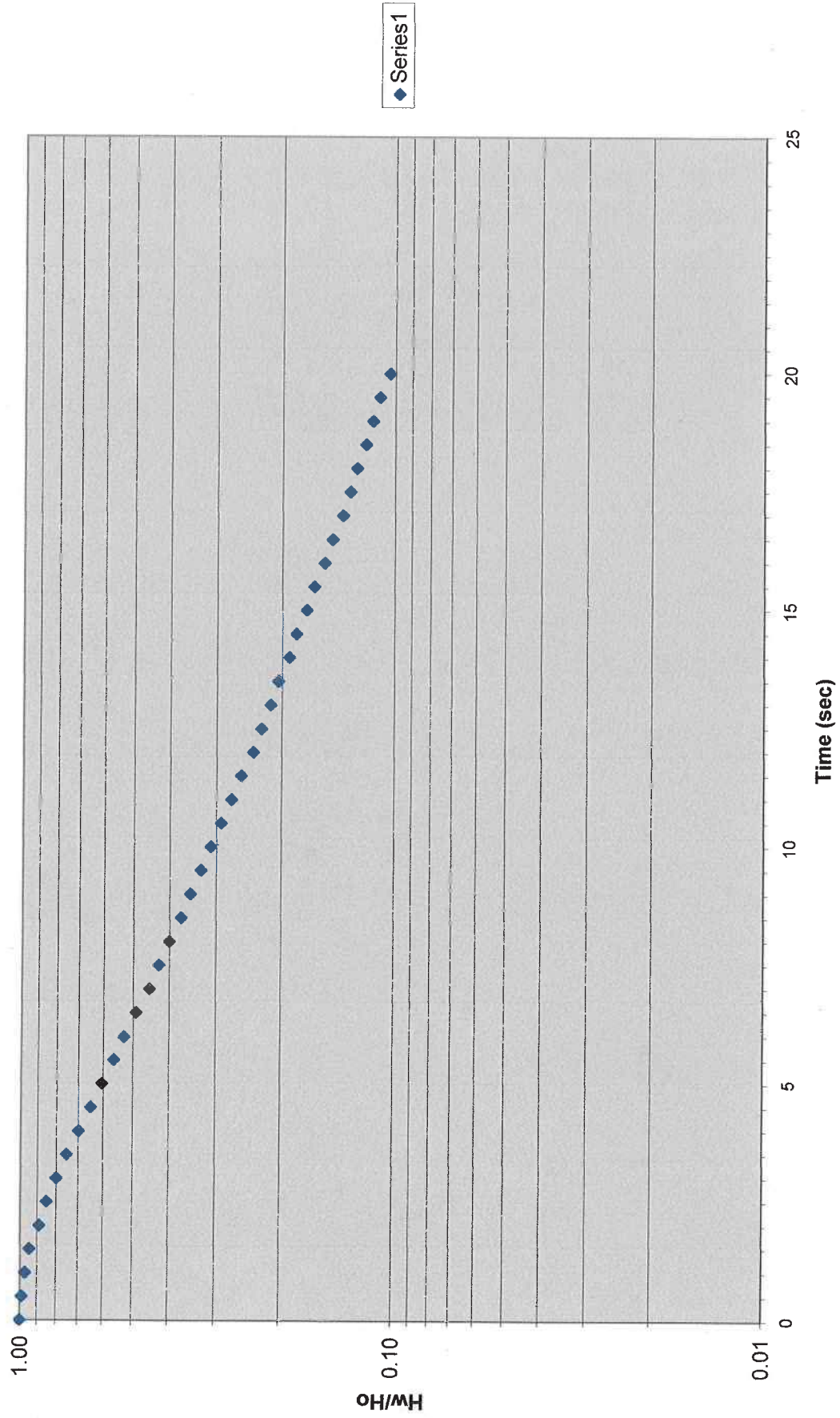
Recovery Data Table for P-128 Aquifer Test

H ₀ (ft)	H _w (ft)	ET (sec)	H _w /H ₀	Log(H _w /H ₀)	ET (sec)	ET	SWL	Depth	Relative Change	
						Seconds	(ft, btoc)	Feet	Feet	
0.73	0.73	0.0	1.00	0.00	0.0	0.0	8.960	8.48	0.000 SWL=	8.96
0.73	0.70	0.5	0.96	-0.02	0.5	0.5	8.966	8.47	0.006 Pump On	
0.73	0.67	1.0	0.92	-0.04	1.0	0.0	9.690	7.75	0.730 Pump Off	
0.73	0.65	1.5	0.89	-0.05	1.5	0.5	9.664	7.77	0.704	
0.73	0.59	2.0	0.81	-0.09	2.0	1.0	9.630	7.81	0.670	
0.73	0.55	2.5	0.76	-0.12	2.5	1.5	9.613	7.82	0.653	
0.73	0.48	3.0	0.65	-0.18	3.0	2.0	9.553	7.88	0.593	
0.73	0.42	3.5	0.57	-0.24	3.5	2.5	9.512	7.92	0.552	
0.73	0.35	4.0	0.49	-0.31	4.0	3.0	9.437	8.00	0.477	
0.73	0.30	4.5	0.41	-0.39	4.5	3.5	9.379	8.06	0.419	
0.73	0.24	5.0	0.33	-0.48	5.0	4.0	9.314	8.12	0.354	
0.73	0.18	5.5	0.25	-0.60	5.5	4.5	9.257	8.18	0.297	
0.73	0.15	6.0	0.21	-0.69	6.0	5.0	9.202	8.23	0.242	
0.73	0.13	6.5	0.18	-0.74	6.5	5.5	9.142	8.29	0.182	
0.73	0.10	7.0	0.14	-0.86	7.0	6.0	9.110	8.33	0.150	
0.73	0.08	7.5	0.11	-0.96	7.5	6.5	9.092	8.34	0.132	
0.73	0.06	8.0	0.08	-1.11	8.0	7.0	9.060	8.38	0.100	
0.73	0.04	8.5	0.06	-1.24	8.5	7.5	9.040	8.40	0.080	
0.73	0.02	9.0	0.03	-1.47	9.0	8.0	9.016	8.42	0.056 92% Recovery	
0.73	0.01	9.5	0.02	-1.69	9.5	8.5	9.002	8.43	0.042	
0.73	0.01	10.0	0.01	-2.12	10.0	9.0	8.985	8.45	0.025	
						9.5	8.975	8.46	0.015	
						10.0	8.966	8.47	0.006 99% Recovery	

Detailed Site Investigation - Ameren Labadie Power Plant
Drawdown Curve - P136



Detailed Site Investigation - Ameren Labadie Power Plant
Plot of 90% Recovery Curve - P136



**Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri**

Recovery Data Table for P-136 Aquifer Test

H_o (ft)	H_w (ft)	ET (sec)	H_w/H_o	$\text{Log}(H_w/H_o)$	ET (sec)	SWL (ft, btoc)	Depth Feet	Relative Change Feet
2.585	2.58	0.0	1.00	0.00	0.0	6.120	6.64	0.000 SWL=
2.585	2.56	0.5	0.99	0.00	0.5	6.107	6.65	-0.013 Pump On
2.585	2.51	1.0	0.97	-0.01	1.0	8.705	4.05	2.585 Pump Off
2.585	2.44	1.5	0.94	-0.02	1.5	8.678	4.08	2.558
2.585	2.30	2.0	0.89	-0.05	2.0	8.626	4.13	2.506
2.585	2.20	2.5	0.85	-0.07	2.5	8.562	4.19	2.442
2.585	2.08	3.0	0.80	-0.09	3.0	8.419	4.34	2.299
2.585	1.95	3.5	0.75	-0.12	3.5	8.322	4.43	2.202
2.585	1.81	4.0	0.70	-0.16	4.0	8.197	4.56	2.077
2.585	1.68	4.5	0.65	-0.19	4.5	8.066	4.69	1.946
2.585	1.57	5.0	0.61	-0.22	5.0	7.929	4.83	1.809
2.585	1.46	5.5	0.56	-0.25	5.5	7.801	4.95	1.681
2.585	1.37	6.0	0.53	-0.28	6.0	7.687	5.07	1.567
2.585	1.27	6.5	0.49	-0.31	6.5	7.577	5.18	1.457
2.585	1.17	7.0	0.45	-0.34	7.0	7.486	5.27	1.366
2.585	1.11	7.5	0.43	-0.37	7.5	7.392	5.36	1.272
2.585	1.04	8.0	0.40	-0.40	8.0	7.290	5.47	1.170
2.585	0.97	8.5	0.37	-0.43	8.5	7.225	5.53	1.105
2.585	0.91	9.0	0.35	-0.45	9.0	7.157	5.60	1.037
2.585	0.85	9.5	0.33	-0.48	9.5	7.085	5.67	0.965
2.585	0.80	10.0	0.31	-0.51	10.0	7.030	5.73	0.910
2.585	0.75	10.5	0.29	-0.54	10.5	6.974	5.78	0.854
2.585	0.71	11.0	0.27	-0.56	11.0	6.924	5.83	0.804
2.585	0.67	11.5	0.26	-0.59	11.5	6.874	5.88	0.754
2.585	0.62	12.0	0.24	-0.62	12.0	6.827	5.93	0.707
2.585	0.59	12.5	0.23	-0.64	12.5	6.787	5.97	0.667
2.585	0.56	13.0	0.22	-0.67	13.0	6.739	6.02	0.619
2.585	0.53	13.5	0.20	-0.69	13.5	6.708	6.05	0.588
2.585	0.49	14.0	0.19	-0.72	14.0	6.676	6.08	0.556
2.585	0.47	14.5	0.18	-0.74	14.5	6.649	6.11	0.529
2.585	0.45	15.0	0.17	-0.76	15.0	6.615	6.14	0.495
						6.594	6.16	0.474
						6.566	6.19	0.446

**Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri**

Recovery Data Table for P-136 Aquifer Test

2.585	0.42	15.5	0.16	-0.78	15.5	6.544	6.21	0.424
2.585	0.40	16.0	0.15	-0.81	16.0	6.520	6.24	0.400
2.585	0.38	16.5	0.15	-0.83	16.5	6.501	6.25	0.381
2.585	0.36	17.0	0.14	-0.86	17.0	6.478	6.28	0.358
2.585	0.34	17.5	0.13	-0.88	17.5	6.462	6.29	0.342
2.585	0.33	18.0	0.13	-0.90	18.0	6.448	6.31	0.328
2.585	0.31	18.5	0.12	-0.92	18.5	6.431	6.33	0.311
2.585	0.30	19.0	0.12	-0.94	19.0	6.417	6.34	0.297
2.585	0.29	19.5	0.11	-0.96	19.5	6.405	6.35	0.285
2.585	0.27	20.0	0.10	-0.98	20.0	6.388	6.37	0.268 90% Recovery
2.585	0.26	20.5	0.10	-0.99	20.5	6.382	6.37	0.262
2.585	0.25	21.0	0.10	-1.02	21.0	6.369	6.39	0.249
2.585	0.24	21.5	0.09	-1.04	21.5	6.358	6.40	0.238
2.585	0.23	22.0	0.09	-1.06	22.0	6.346	6.41	0.226
2.585	0.22	22.5	0.09	-1.07	22.5	6.341	6.41	0.221
2.585	0.21	23.0	0.08	-1.09	23.0	6.331	6.42	0.211
2.585	0.20	23.5	0.08	-1.11	23.5	6.321	6.43	0.201
2.585	0.19	24.0	0.07	-1.14	24.0	6.309	6.45	0.189
2.585	0.19	24.5	0.07	-1.14	24.5	6.309	6.45	0.189
2.585	0.18	25.0	0.07	-1.16	25.0	6.300	6.46	0.180
2.585	0.18	25.5	0.07	-1.17	25.5	6.295	6.46	0.175
2.585	0.17	26.0	0.07	-1.18	26.0	6.292	6.46	0.172
2.585	0.17	26.5	0.06	-1.19	26.5	6.286	6.47	0.166
2.585	0.16	27.0	0.06	-1.22	27.0	6.276	6.48	0.156
2.585	0.16	27.5	0.06	-1.22	27.5	6.275	6.48	0.155
2.585	0.15	28.0	0.06	-1.23	28.0	6.273	6.48	0.153
2.585	0.14	28.5	0.06	-1.25	28.5	6.264	6.49	0.144
2.585	0.14	29.0	0.05	-1.28	29.0	6.256	6.50	0.136 95% Recovery
2.585	0.13	29.5	0.05	-1.29	29.5	6.254	6.50	0.134
2.585	0.13	30.0	0.05	-1.30	30.0	6.249	6.51	0.129
2.585	0.13	30.5	0.05	-1.31	30.5	6.245	6.51	0.125
2.585	0.12	31.0	0.05	-1.33	31.0	6.241	6.51	0.121
2.585	0.12	31.5	0.05	-1.34	31.5	6.239	6.52	0.119
2.585	0.12	32.0	0.05	-1.34	32.0	6.238	6.52	0.118
2.585	0.11	32.5	0.04	-1.36	32.5	6.233	6.52	0.113

**Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri**

Recovery Data Table for P-136 Aquifer Test

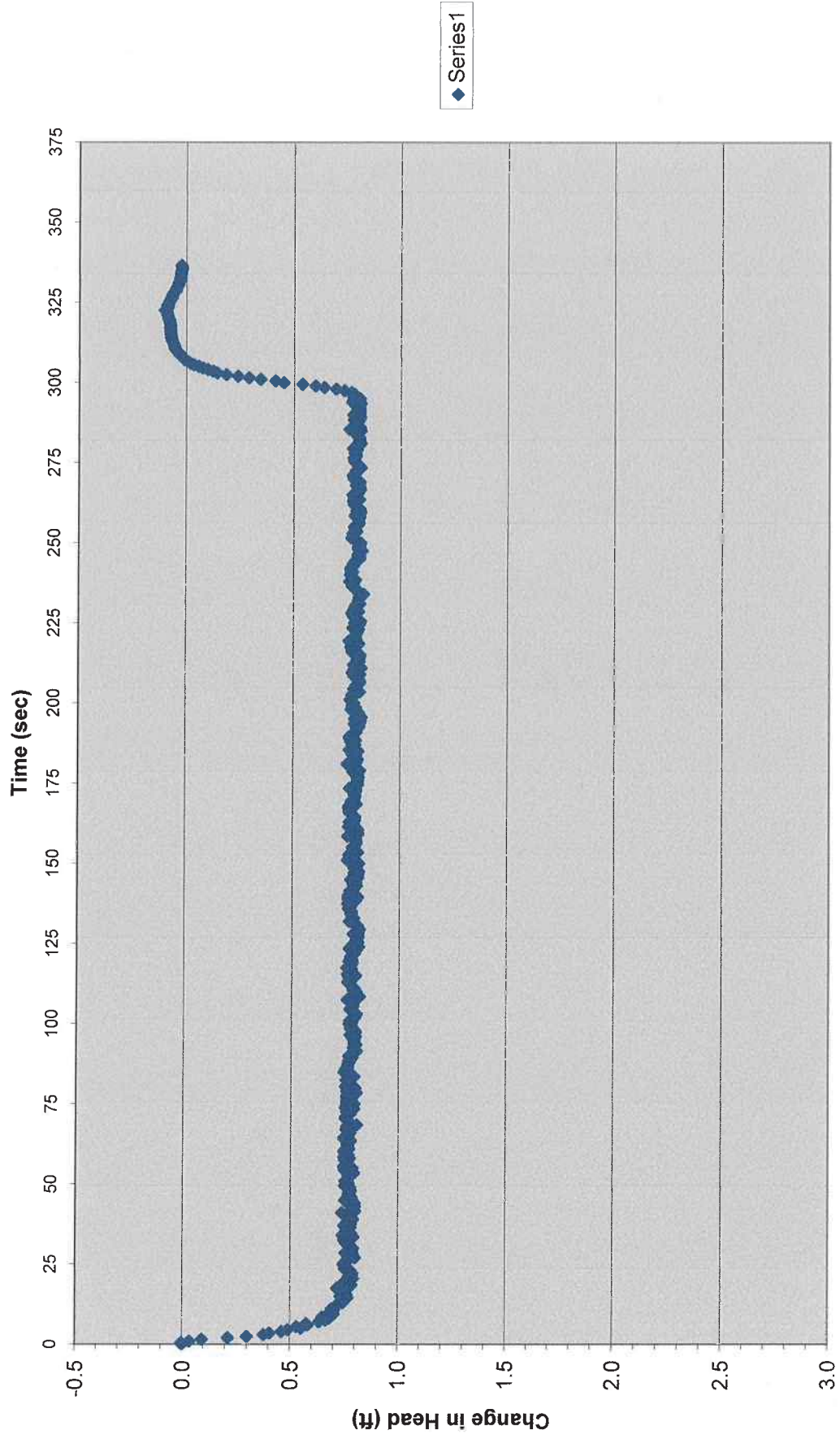
2.585	0.11	33.0	0.04	-1.38	33.0	6.227	6.53	0.107
2.585	0.11	33.5	0.04	-1.38	33.5	6.227	6.53	0.107
2.585	0.10	34.0	0.04	-1.40	34.0	6.224	6.53	0.104
2.585	0.10	34.5	0.04	-1.41	34.5	6.220	6.54	0.100
2.585	0.10	35.0	0.04	-1.42	35.0	6.218	6.54	0.098
2.585	0.10	35.5	0.04	-1.43	35.5	6.216	6.54	0.096
2.585	0.10	36.0	0.04	-1.43	36.0	6.216	6.54	0.096
2.585	0.10	36.5	0.04	-1.43	36.5	6.216	6.54	0.096
2.585	0.09	37.0	0.03	-1.48	37.0	6.206	6.55	0.086
2.585	0.09	37.5	0.03	-1.48	37.5	6.207	6.55	0.087
2.585	0.08	38.0	0.03	-1.49	38.0	6.204	6.55	0.084
2.585	0.08	38.5	0.03	-1.49	38.5	6.204	6.55	0.084
2.585	0.08	39.0	0.03	-1.49	39.0	6.203	6.55	0.083
2.585	0.08	39.5	0.03	-1.50	39.5	6.202	6.55	0.082
2.585	0.08	40.0	0.03	-1.52	40.0	6.198	6.56	0.078
2.585	0.08	40.5	0.03	-1.53	40.5	6.197	6.56	0.077
2.585	0.07	41.0	0.03	-1.55	41.0	6.194	6.56	0.074
2.585	0.07	41.5	0.03	-1.54	41.5	6.194	6.56	0.074
2.585	0.07	42.0	0.03	-1.55	42.0	6.192	6.56	0.072
2.585	0.07	42.5	0.03	-1.56	42.5	6.191	6.56	0.071
2.585	0.07	43.0	0.03	-1.57	43.0	6.189	6.57	0.069
2.585	0.07	43.5	0.03	-1.58	43.5	6.187	6.57	0.067
2.585	0.07	44.0	0.03	-1.59	44.0	6.187	6.57	0.067
2.585	0.06	44.5	0.02	-1.66	44.5	6.176	6.58	0.056
2.585	0.06	45.0	0.02	-1.60	45.0	6.185	6.57	0.065
2.585	0.06	45.5	0.02	-1.61	45.5	6.184	6.57	0.064
2.585	0.06	46.0	0.02	-1.61	46.0	6.183	6.57	0.063
2.585	0.06	46.5	0.02	-1.62	46.5	6.183	6.57	0.063
2.585	0.06	47.0	0.02	-1.65	47.0	6.178	6.58	0.058
2.585	0.06	47.5	0.02	-1.64	47.5	6.180	6.58	0.060
2.585	0.06	48.0	0.02	-1.67	48.0	6.175	6.58	0.055
2.585	0.06	48.5	0.02	-1.66	48.5	6.177	6.58	0.057
2.585	0.06	49.0	0.02	-1.66	49.0	6.176	6.58	0.056
2.585	0.05	49.5	0.02	-1.68	49.5	6.175	6.58	0.055
2.585	0.05	50.0	0.02	-1.69	50.0	6.172	6.58	0.052

**Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri**

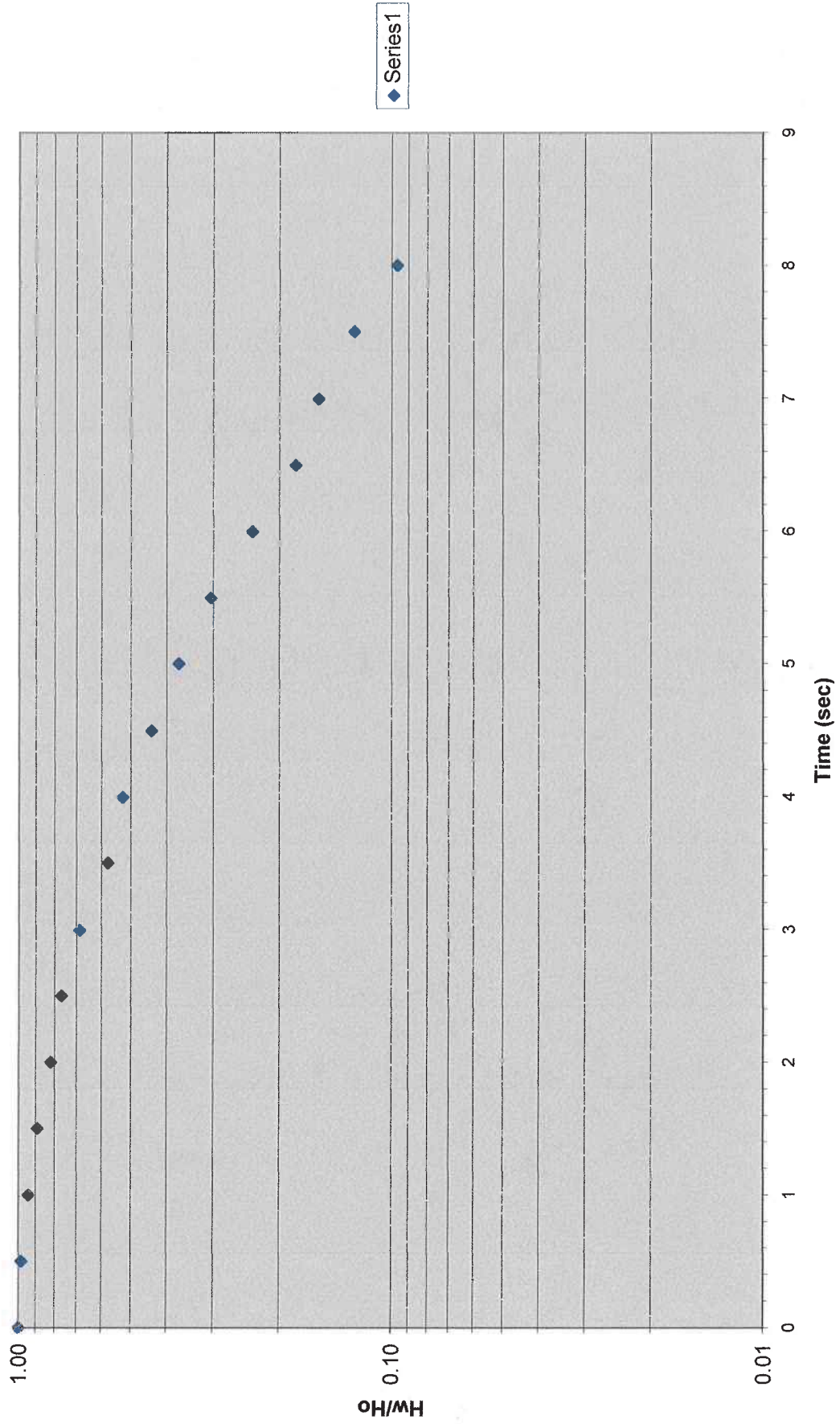
Recovery Data Table for P-136 Aquifer Test

2.585	0.05	50.5	0.02	-1.69	50.5	6.172	6.58	0.052
2.585	0.05	51.0	0.02	-1.71	51.0	6.170	6.59	0.050
2.585	0.05	51.5	0.02	-1.70	51.5	6.172	6.58	0.052
2.585	0.05	52.0	0.02	-1.73	52.0	6.168	6.59	0.048
2.585	0.05	52.5	0.02	-1.71	52.5	6.170	6.59	0.050
2.585	0.05	53.0	0.02	-1.75	53.0	6.166	6.59	0.046
2.585	0.05	53.5	0.02	-1.75	53.5	6.166	6.59	0.046
2.585	0.04	54.0	0.02	-1.77	54.0	6.164	6.59	0.044
2.585	0.04	54.5	0.02	-1.76	54.5	6.165	6.59	0.045
2.585	0.04	55.0	0.02	-1.76	55.0	6.165	6.59	0.045
2.585	0.04	55.5	0.02	-1.79	55.5	6.162	6.59	0.042
2.585	0.04	56.0	0.02	-1.80	56.0	6.161	6.60	0.041
2.585	0.04	56.5	0.02	-1.81	56.5	6.160	6.60	0.040
2.585	0.04	57.0	0.02	-1.81	57.0	6.160	6.60	0.040
2.585	0.04	57.5	0.01	-1.84	57.5	6.158	6.60	0.038 99% Recovery

Detailed Site Investigation - Ameren Labadie Power Plant
Drawdown Curve - P144



Detailed Site Investigation - Ameren Labadie Power Plant
Plot of 90% Recovery Curve - P144

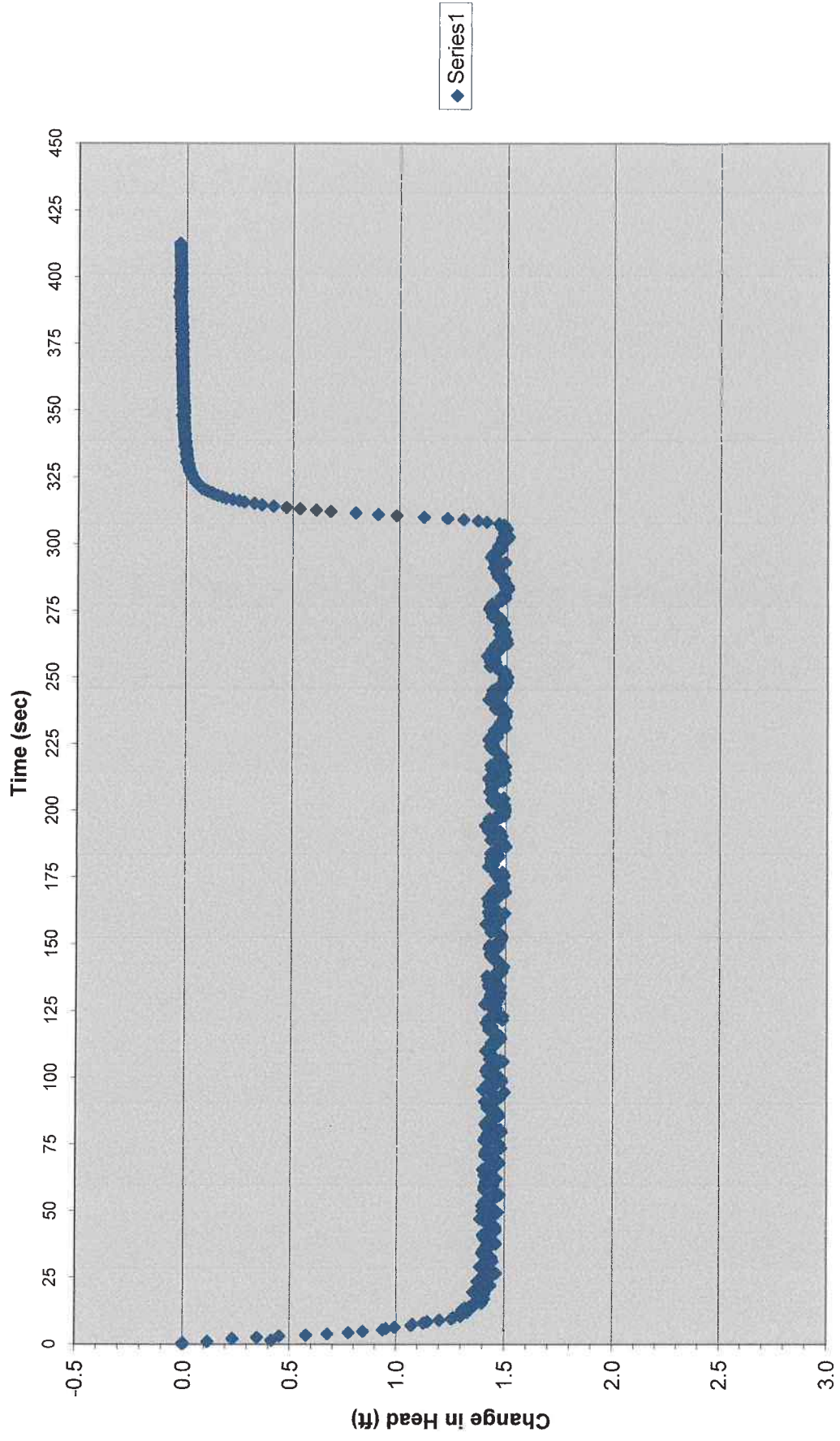


**Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri**

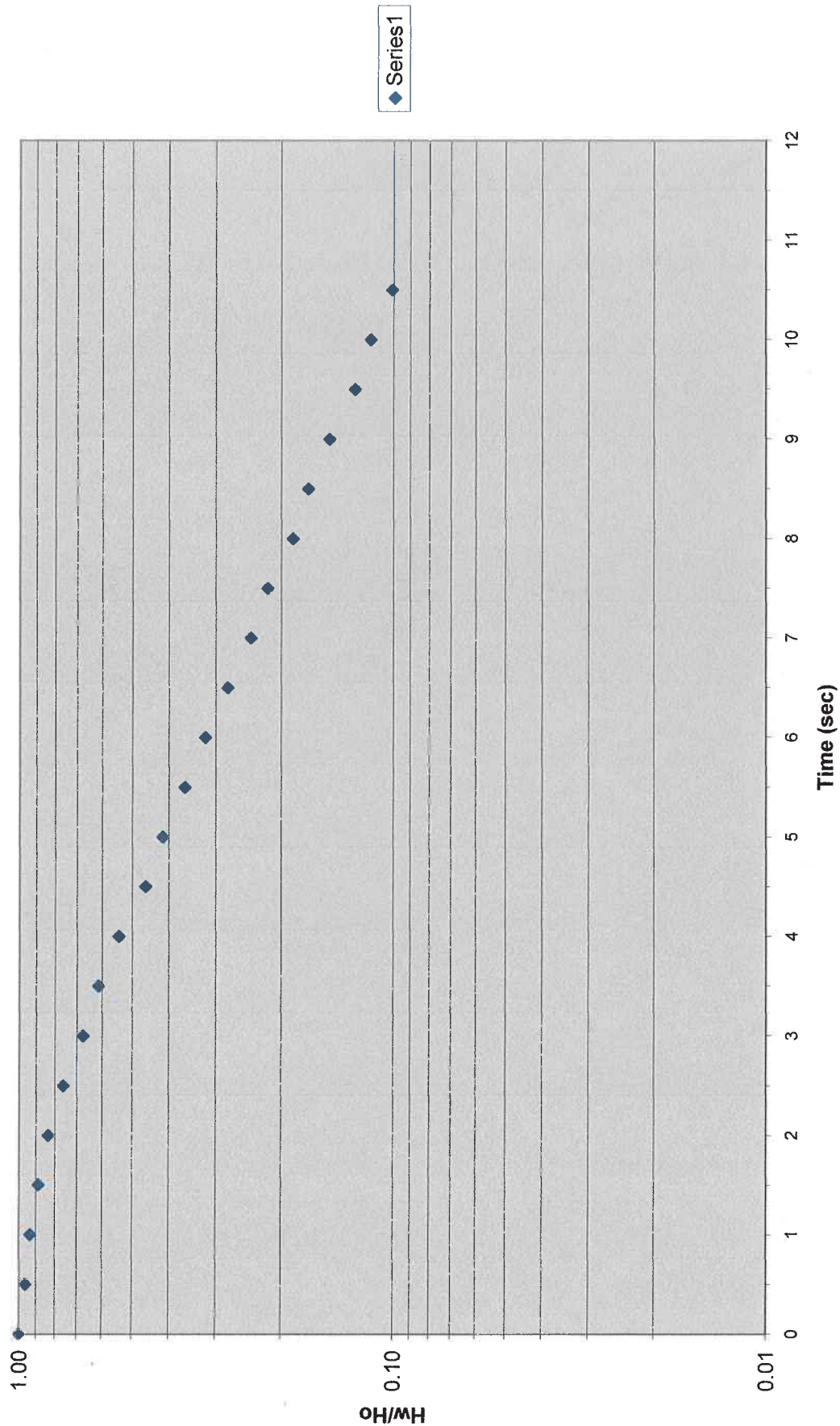
Recovery Data Table for P-144 Aquifer Test

H _o (ft)	H _w (ft)	ET (sec)	H _w /H _o	Log(H _w /H _o)	ET (sec)	ET Seconds	SWL (ft, btoc)	Depth Feet	Relative Change Feet	
						0.0	7.020	9.43	0.000 SWL=	7.02
0.779	0.78	0.0	1.00	0.00	0.0	0.5	7.016	9.44	-0.004 Pump On	
0.779	0.77	0.5	0.98	-0.01	0.5	0.0	7.799	8.65	0.779 Pump Off	
0.779	0.73	1.0	0.94	-0.03	1.0	0.5	7.786	8.67	0.766	
0.779	0.69	1.5	0.89	-0.05	1.5	1.0	7.754	8.70	0.734	
0.779	0.64	2.0	0.82	-0.09	2.0	1.5	7.714	8.74	0.694	
0.779	0.60	2.5	0.77	-0.11	2.5	2.0	7.658	8.79	0.638	
0.779	0.54	3.0	0.69	-0.16	3.0	2.5	7.618	8.83	0.598	
0.779	0.45	3.5	0.58	-0.24	3.5	3.0	7.556	8.90	0.536	
0.779	0.41	4.0	0.53	-0.28	4.0	3.5	7.469	8.98	0.449	
0.779	0.34	4.5	0.44	-0.36	4.5	4.0	7.430	9.02	0.410	
0.779	0.29	5.0	0.37	-0.43	5.0	4.5	7.362	9.09	0.342	
0.779	0.24	5.5	0.30	-0.52	5.5	5.0	7.309	9.14	0.289	
0.779	0.18	6.0	0.24	-0.63	6.0	5.5	7.257	9.19	0.237	
0.779	0.14	6.5	0.18	-0.74	6.5	6.0	7.204	9.25	0.184	
0.779	0.12	7.0	0.16	-0.80	7.0	6.5	7.161	9.29	0.141	
0.779	0.10	7.5	0.13	-0.90	7.5	7.0	7.142	9.31	0.122	
0.779	0.08	8.0	0.10	-1.02	8.0	7.5	7.118	9.33	0.098	
0.779	0.06	8.5	0.07	-1.14	8.5	8.0	7.095	9.36	0.075 90% Recovery	
0.779	0.03	9.0	0.04	-1.35	9.0	8.5	7.076	9.38	0.056	
0.779	0.02	9.5	0.02	-1.62	9.5	9.0	7.055	9.40	0.035 95% Recovery	
0.779	0.01	10.0	0.01	-2.13	10.0	9.5	7.038	9.41	0.018	
						10.0	7.026	9.43	0.006 99% Recovery	

Detailed Site Investigation - Ameren Labadie Power Plant
Drawdown Curve - P162



Detailed Site Investigation - Ameren Labadie Power Plant
Plot of 90% Recovery Curve - P162



**Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri**

Recovery Data Table for P-162 Aquifer Test

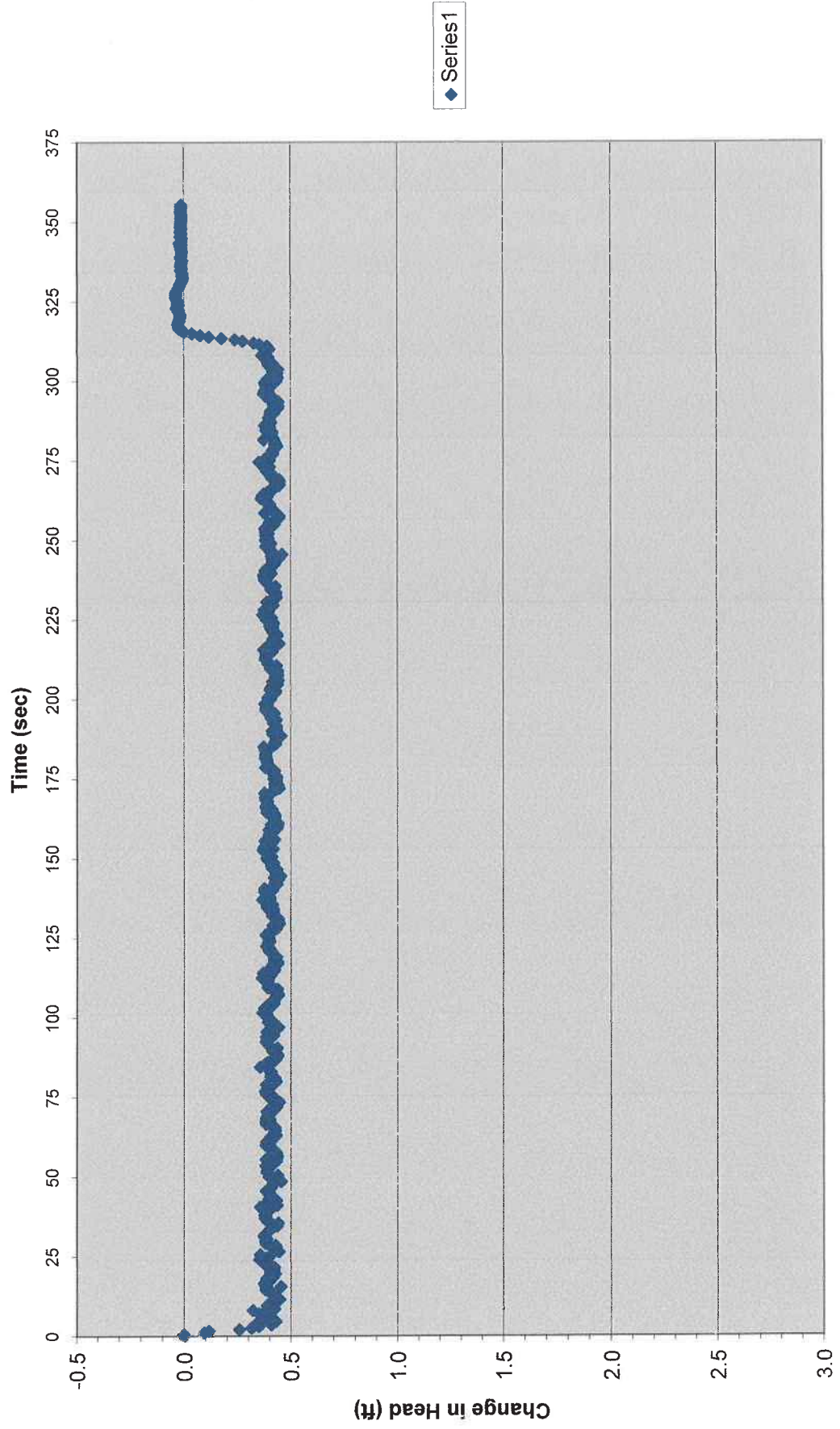
H ₀ (ft)	H _w (ft)	ET (sec)	H _w /H ₀	Log(H _w /H ₀)	ET (sec)	ET Seconds	SWL (ft, btoc)	Depth Feet	Relative Change Feet	SWL=
1.461	1.46	0.0	1.00	0.00	0.0	0.0	5.030	10.47	0.000	SWL=
1.461	1.40	0.5	0.96	-0.02	0.5	0.5	5.031	10.47	0.001	Pump On
1.461	1.36	1.0	0.93	-0.03	1.0	0.0	6.491	9.01	1.461	Pump Off
1.461	1.30	1.5	0.89	-0.05	1.5	0.5	6.433	9.06	1.403	
1.461	1.22	2.0	0.83	-0.08	2.0	1.0	6.394	9.10	1.364	
1.461	1.11	2.5	0.76	-0.12	2.5	1.5	6.327	9.17	1.297	
1.461	0.98	3.0	0.67	-0.17	3.0	2.0	6.249	9.25	1.219	
1.461	0.90	3.5	0.61	-0.21	3.5	2.5	6.140	9.36	1.110	
1.461	0.79	4.0	0.54	-0.27	4.0	3.0	6.015	9.48	0.985	
1.461	0.67	4.5	0.46	-0.34	4.5	3.5	5.926	9.57	0.896	
1.461	0.61	5.0	0.41	-0.38	5.0	4.0	5.822	9.68	0.792	
1.461	0.53	5.5	0.36	-0.44	5.5	4.5	5.705	9.79	0.675	
1.461	0.47	6.0	0.32	-0.49	6.0	5.0	5.636	9.86	0.606	
1.461	0.41	6.5	0.28	-0.55	6.5	5.5	5.561	9.94	0.531	
1.461	0.35	7.0	0.24	-0.62	7.0	6.0	5.498	10.00	0.468	
1.461	0.32	7.5	0.22	-0.66	7.5	6.5	5.437	10.06	0.407	
1.461	0.27	8.0	0.19	-0.73	8.0	7.0	5.383	10.11	0.353	
1.461	0.25	8.5	0.17	-0.77	8.5	7.5	5.348	10.15	0.318	
1.461	0.22	9.0	0.15	-0.83	9.0	8.0	5.302	10.19	0.272	
1.461	0.19	9.5	0.13	-0.90	9.5	8.5	5.277	10.22	0.247	
1.461	0.17	10.0	0.12	-0.94	10.0	9.0	5.247	10.25	0.217	
1.461	0.15	10.5	0.10	-1.00	10.5	9.5	5.216	10.28	0.186	
1.461	0.13	11.0	0.09	-1.05	11.0	10.0	5.198	10.30	0.168	
1.461	0.12	11.5	0.08	-1.09	11.5	10.5	5.178	10.32	0.148	90% Recovery
1.461	0.10	12.0	0.07	-1.16	12.0	11.0	5.160	10.34	0.130	
1.461	0.09	12.5	0.06	-1.21	12.5	11.5	5.148	10.35	0.118	
1.461	0.07	13.0	0.05	-1.30	13.0	12.0	5.131	10.37	0.101	
1.461	0.07	13.5	0.05	-1.31	13.5	12.5	5.120	10.38	0.090	
1.461	0.06	14.0	0.04	-1.36	14.0	13.0	5.104	10.39	0.074	95% Recovery
1.461	0.05	14.5	0.04	-1.43	14.5	13.5	5.102	10.39	0.072	
1.461	0.05	15.0	0.04	-1.46	15.0	14.0	5.094	10.40	0.064	
1.461	0.05	15.0	0.04	-1.46	15.0	14.5	5.084	10.41	0.054	
1.461	0.05	15.0	0.04	-1.46	15.0	15.0	5.081	10.42	0.051	

**Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri**

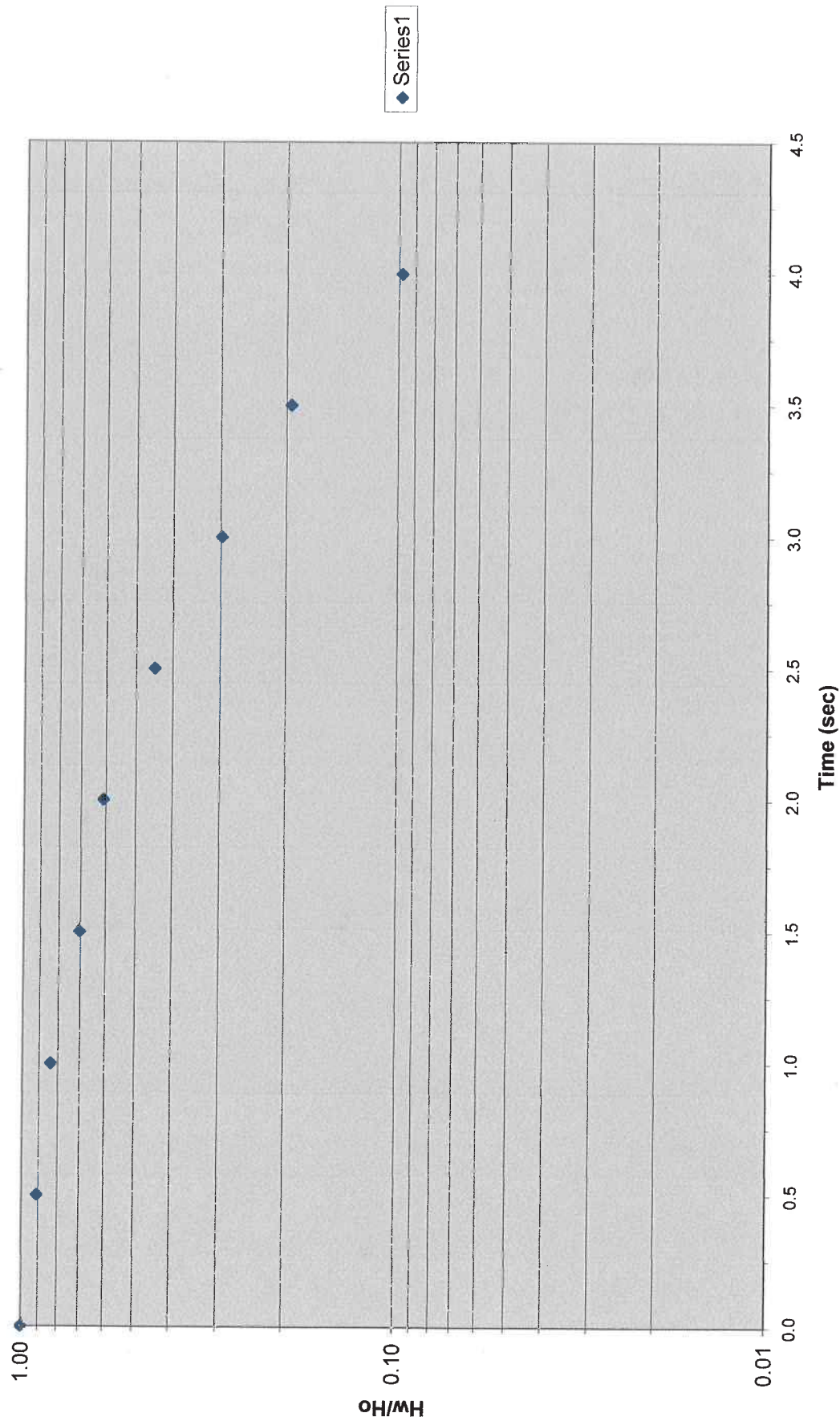
Recovery Data Table for P-162 Aquifer Test

1.461	0.04	15.5	0.03	-1.56	15.5	5.070	10.43	0.040
1.461	0.04	16.0	0.03	-1.56	16.0	5.070	10.43	0.040
1.461	0.04	16.5	0.03	-1.59	16.5	5.067	10.43	0.037
1.461	0.03	17.0	0.02	-1.68	17.0	5.060	10.44	0.030
1.461	0.03	17.5	0.02	-1.70	17.5	5.059	10.44	0.029
1.461	0.02	18.0	0.02	-1.78	18.0	5.054	10.44	0.024
1.461	0.02	18.5	0.01	-1.83	18.5	5.051	10.45	0.021 99% Recovery
1.461	0.02	19.0	0.01	-1.82	19.0	5.052	10.45	0.022
1.461	0.01	19.5	0.01	-2.02	19.5	5.044	10.45	0.014

Detailed Site Investigation - Ameren Labadie Power Plant
Drawdown Curve - P164



Detailed Site Investigation - Ameren Labadie Power Plant
Plot of 90% Recovery Curve - P164

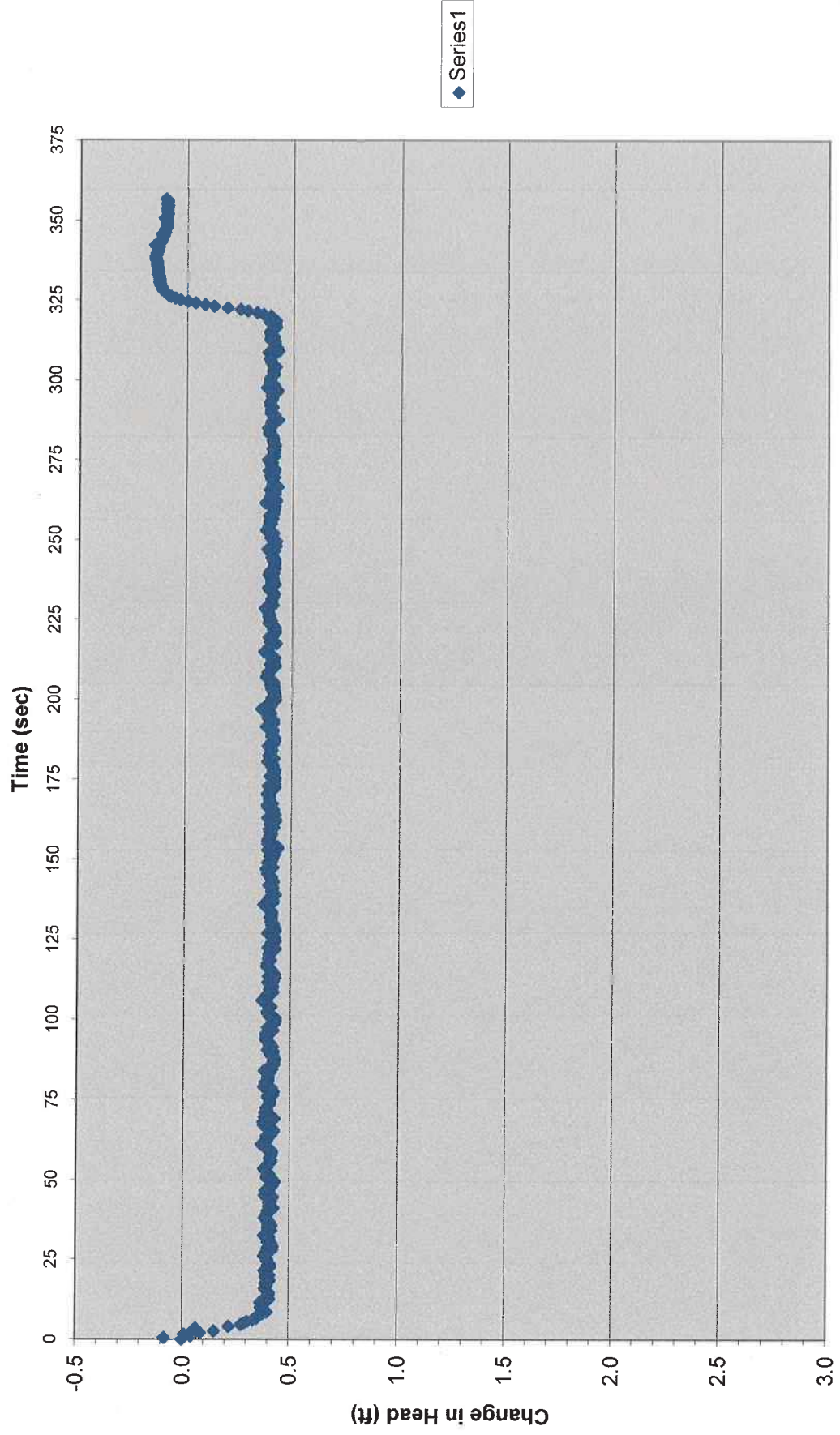


**Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri**

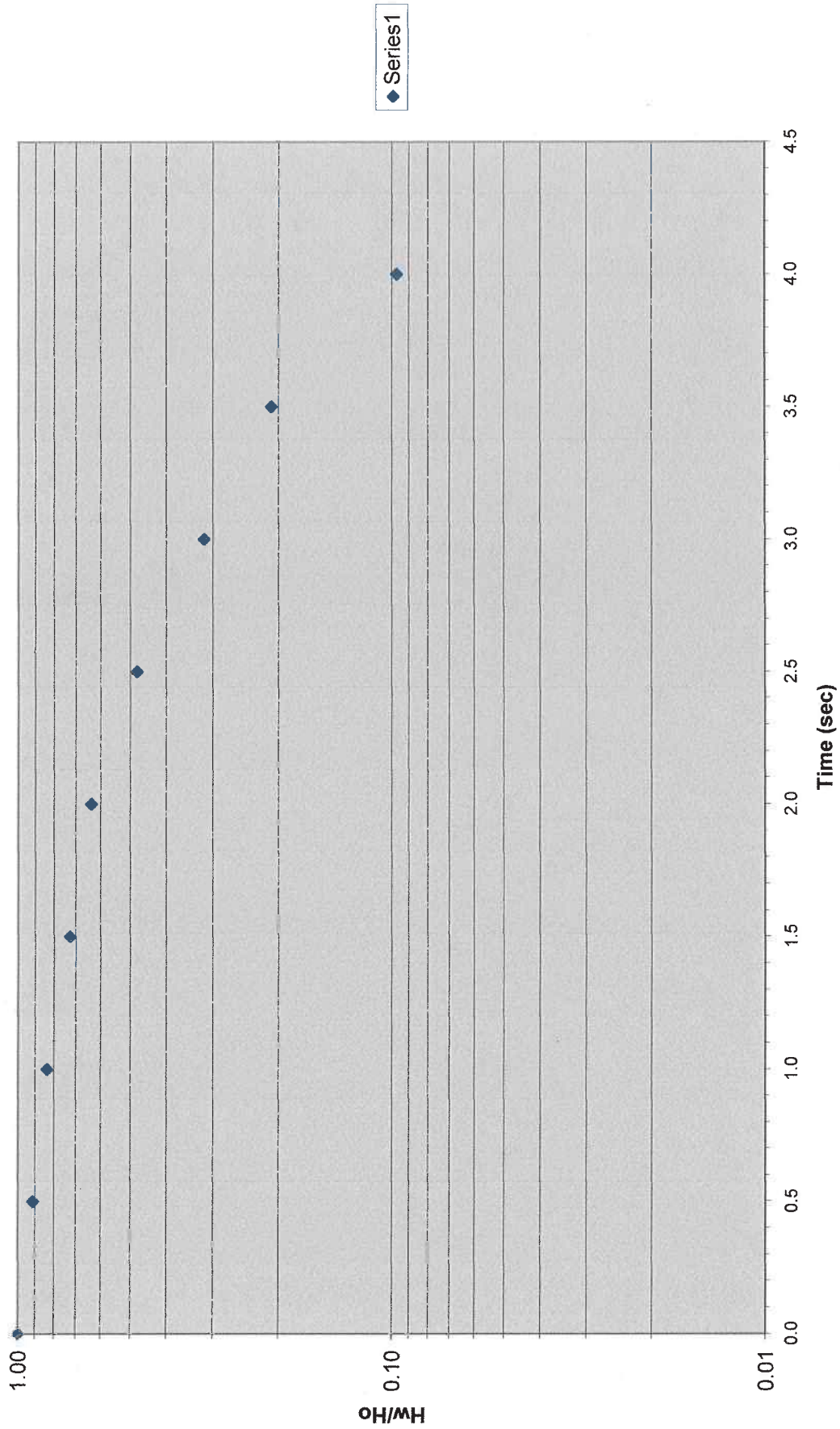
Recovery Data Table for P-164 Aquifer Test

H _o (ft)	H _w (ft)	ET (sec)	H _w /H _o	Log(H _w /H _o)	ET (sec)	ET Seconds	SWL (ft, btoc)	Depth Feet	Relative Change Feet	
0.389	0.39	0.0	1.00	0.00	0.0	0.0	4.870	12.40	0.000 SWL=	4.87
0.389	0.35	0.5	0.91	-0.04	0.5	0.5	4.869	12.40	-0.001 Pump On	
0.389	0.33	1.0	0.84	-0.08	1.0	0.0	5.259	12.01	0.389 Pump Off	
0.389	0.27	1.5	0.70	-0.15	1.5	0.5	5.224	12.05	0.354	
0.389	0.24	2.0	0.61	-0.21	2.0	1.0	5.196	12.07	0.326	
0.389	0.17	2.5	0.45	-0.35	2.5	1.5	5.144	12.13	0.274	
0.389	0.12	3.0	0.30	-0.53	3.0	2.0	5.107	12.16	0.237	
0.389	0.08	3.5	0.19	-0.71	3.5	2.5	5.044	12.23	0.174	
0.389	0.04	4.0	0.10	-1.01	4.0	3.0	4.986	12.28	0.116	
0.389	0.00	4.5	0.01	-2.11	4.5	3.5	4.946	12.32	0.076	
0.389	-0.01	5.0	-0.02	#NUM!	5.0	4.0	4.908	12.36	0.038 90% Recovery	
						4.5	4.873	12.40	0.003 99% Recovery	
						5.0	4.861	12.41	-0.009	

Detailed Site Investigation - Ameren Labadie Power Plant
Drawdown Curve - P165



Detailed Site Investigation - Ameren Labadie Power Plant
Plot of 90% Recovery Curve - P165

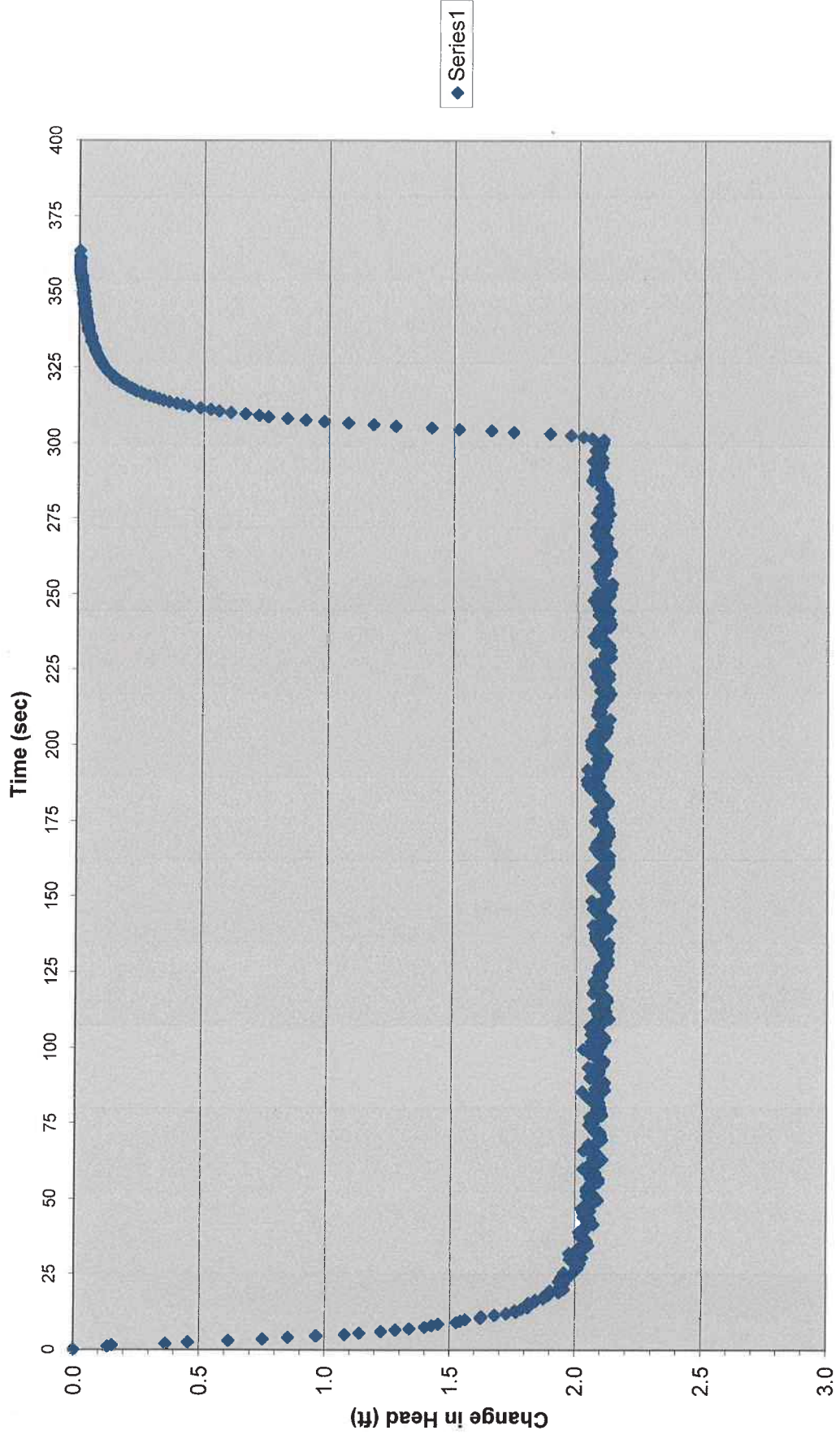


**Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri**

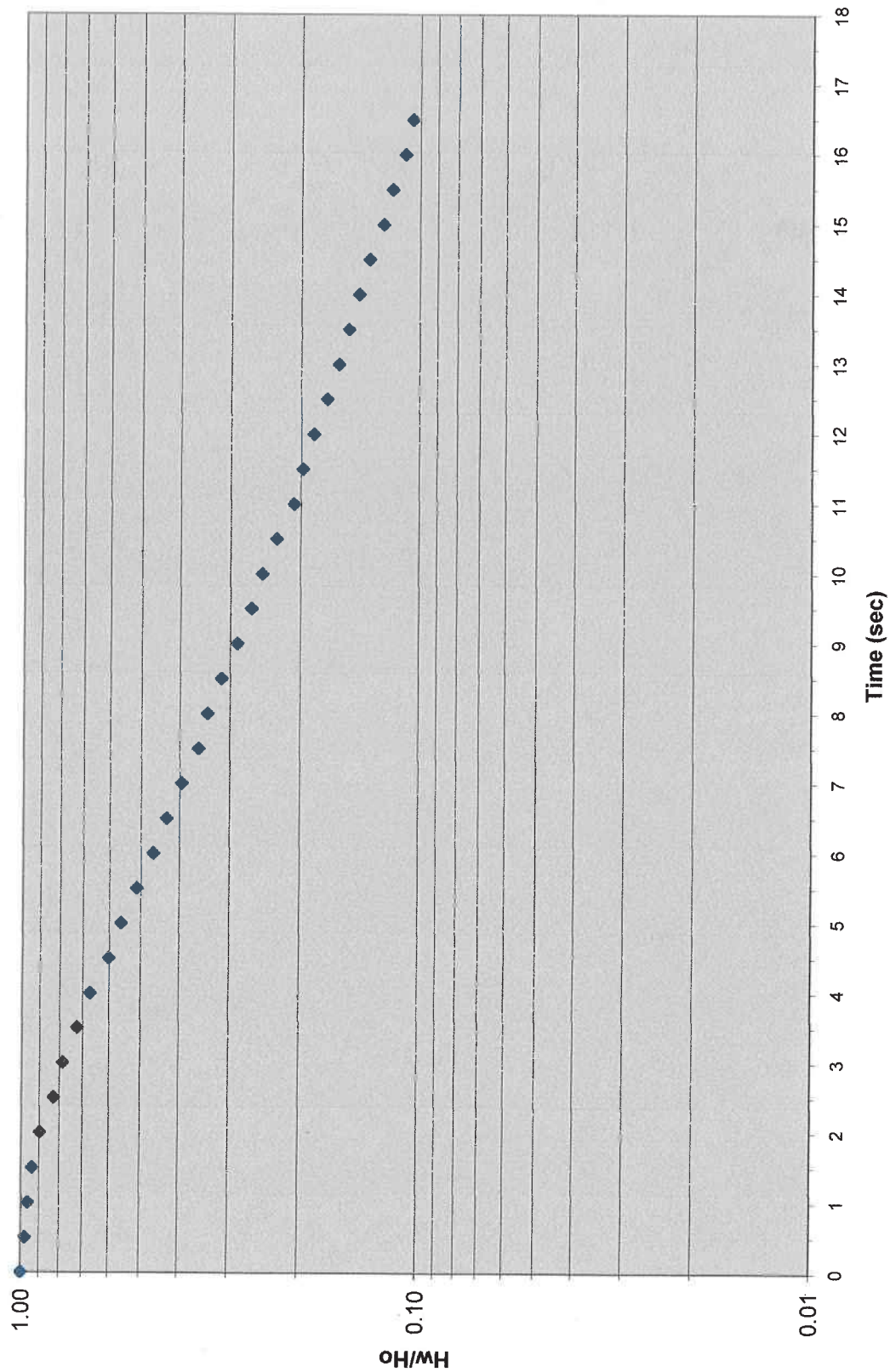
Recovery Data Table for P-165 Aquifer Test

H_o (ft)	H_w (ft)	ET (sec)	H_w/H_o	$\text{Log}(H_w/H_o)$	ET (sec)	ET Seconds	SWL (ft, btoc)	Depth Feet	Relative Change Feet	
0.391	0.39	0.0	1.00	0.00	0.0	0.0	6.600	6.54	0.000 SWL=	6.60
0.391	0.36	0.5	0.91	-0.04	0.5	0.5	6.516	6.62	-0.084 Pump On	
0.391	0.33	1.0	0.84	-0.08	1.0	0.0	6.991	6.15	0.391 Pump Off	
0.391	0.28	1.5	0.72	-0.14	1.5	0.5	6.957	6.18	0.357	
0.391	0.25	2.0	0.64	-0.20	2.0	1.0	6.927	6.21	0.327	
0.391	0.19	2.5	0.48	-0.32	2.5	1.5	6.883	6.26	0.283	
0.391	0.12	3.0	0.32	-0.50	3.0	2.0	6.848	6.29	0.248	
0.391	0.08	3.5	0.21	-0.68	3.5	2.5	6.788	6.35	0.188	
0.391	0.04	4.0	0.10	-1.01	4.0	3.0	6.724	6.42	0.124	
0.391	0.00	4.5	0.00	-2.39	4.5	3.5	6.682	6.46	0.082	
0.391	-0.03	5.0	-0.08	#NUM!	5.0	4.0	6.638	6.50	0.038 90% Recovery	
						4.5	6.602	6.54	0.002	
						5.0	6.567	6.57	-0.033	

Detailed Site Investigation - Ameren Labadie Power Plant
Drawdown Curve - P169



Detailed Site Investigation - Ameren Labadie Power Plant
Plot of 90% Recovery Curve - P169



**Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri**

Recovery Data Table for P-169 Aquifer Test

H_0 (ft)	H_w (ft)	ET (sec)	H_w/H_0	$\log(H_w/H_0)$	ET (sec)	ET Seconds	SWL (ft, btoc)	Depth Feet	Relative Change Feet	
2.098	2.10	0.0	1.00	0.00	0.0	0.0	7.030	8.25	0.000	SWL=
2.098	2.05	0.5	0.98	-0.01	0.5	0.5	6.984	8.29	-0.046	Pump On
2.098	2.02	1.0	0.96	-0.02	1.0	0.0	9.128	6.15	2.098	Pump Off
2.098	1.97	1.5	0.94	-0.03	1.5	0.5	9.083	6.19	2.053	
2.098	1.89	2.0	0.90	-0.05	2.0	1.0	9.048	6.23	2.018	
2.098	1.74	2.5	0.83	-0.08	2.5	1.5	8.999	6.28	1.969	
2.098	1.65	3.0	0.79	-0.10	3.0	2.0	8.916	6.36	1.886	
2.098	1.52	3.5	0.72	-0.14	3.5	2.5	8.769	6.51	1.739	
2.098	1.41	4.0	0.67	-0.17	4.0	3.0	8.680	6.60	1.650	
2.098	1.26	4.5	0.60	-0.22	4.5	3.5	8.550	6.73	1.520	
2.098	1.18	5.0	0.56	-0.25	5.0	4.0	8.439	6.84	1.409	
2.098	1.08	5.5	0.51	-0.29	5.5	4.5	8.295	6.98	1.265	
2.098	0.98	6.0	0.47	-0.33	6.0	5.0	8.206	7.07	1.176	
2.098	0.91	6.5	0.43	-0.37	6.5	5.5	8.105	7.17	1.075	
2.098	0.83	7.0	0.40	-0.40	7.0	6.0	8.009	7.27	0.979	
2.098	0.75	7.5	0.36	-0.44	7.5	6.5	7.935	7.34	0.905	
2.098	0.72	8.0	0.34	-0.47	8.0	7.0	7.861	7.42	0.831	
2.098	0.66	8.5	0.32	-0.50	8.5	7.5	7.784	7.49	0.754	
2.098	0.61	9.0	0.29	-0.54	9.0	8.0	7.747	7.53	0.717	
2.098	0.56	9.5	0.27	-0.57	9.5	8.5	7.693	7.58	0.663	
2.098	0.52	10.0	0.25	-0.60	10.0	9.0	7.635	7.64	0.605	
2.098	0.48	10.5	0.23	-0.64	10.5	9.5	7.589	7.69	0.559	
2.098	0.44	11.0	0.21	-0.68	11.0	10.0	7.554	7.72	0.524	
2.098	0.42	11.5	0.20	-0.70	11.5	10.5	7.514	7.76	0.484	
2.098	0.39	12.0	0.19	-0.73	12.0	11.0	7.468	7.81	0.438	
2.098	0.36	12.5	0.17	-0.76	12.5	11.5	7.446	7.83	0.416	
2.098	0.34	13.0	0.16	-0.79	13.0	12.0	7.420	7.86	0.390	
2.098	0.32	13.5	0.15	-0.82	13.5	12.5	7.391	7.89	0.361	
2.098	0.30	14.0	0.14	-0.85	14.0	13.0	7.367	7.91	0.337	
2.098	0.28	14.5	0.13	-0.87	14.5	13.5	7.349	7.93	0.319	
2.098	0.26	15.0	0.12	-0.91	15.0	14.0	7.330	7.95	0.300	
						14.5	7.312	7.96	0.282	
						15.0	7.290	7.99	0.260	

7.03

**Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri**

Recovery Data Table for P-169 Aquifer Test

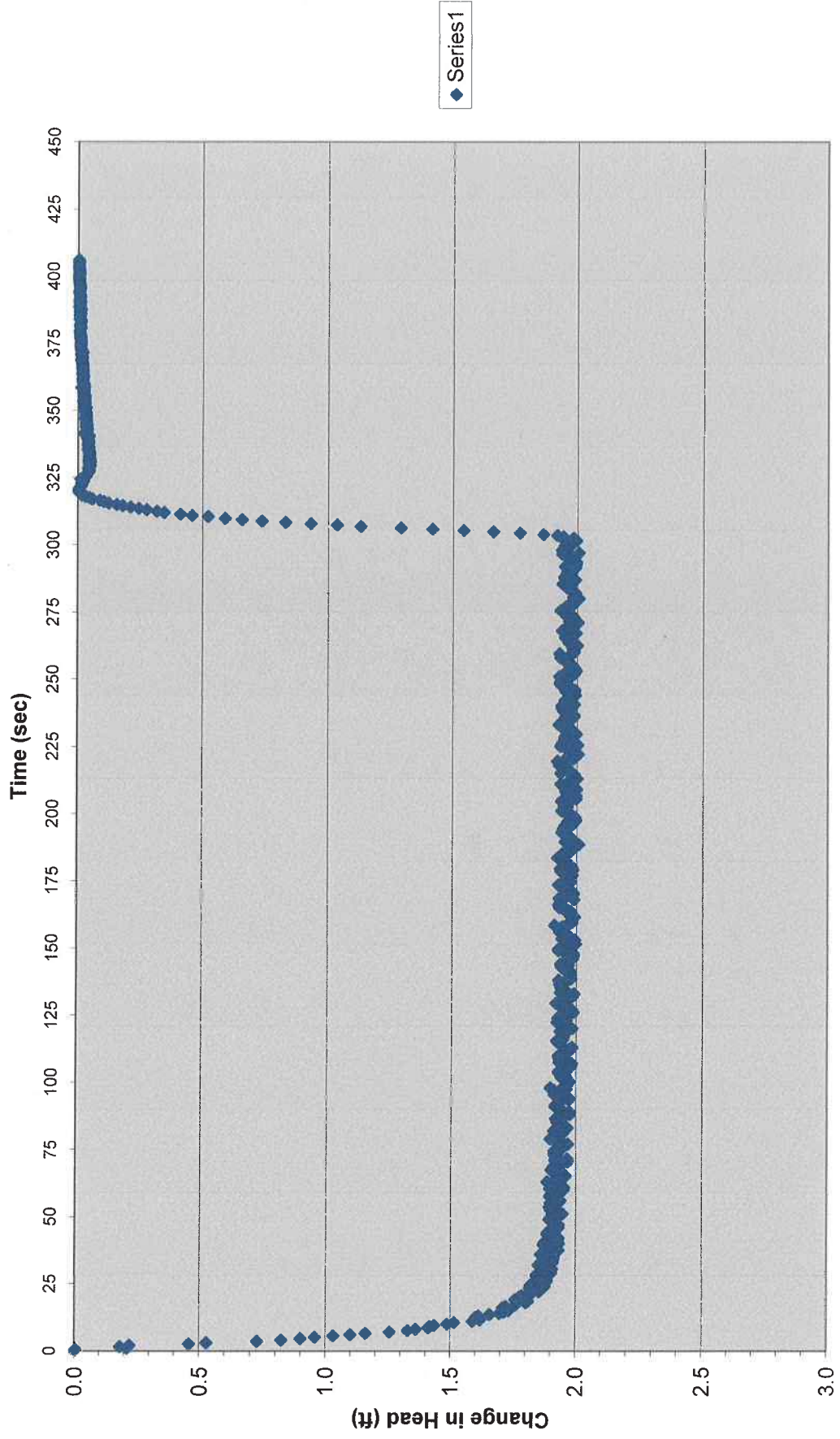
2.098	0.25	15.5	0.12	-0.93	15.5	7.277	8.00	0.247
2.098	0.23	16.0	0.11	-0.96	16.0	7.260	8.02	0.230
2.098	0.22	16.5	0.10	-0.98	16.5	7.250	8.03	0.220 90% Recovery
2.098	0.21	17.0	0.10	-1.01	17.0	7.237	8.04	0.207
2.098	0.19	17.5	0.09	-1.03	17.5	7.224	8.05	0.194
2.098	0.19	18.0	0.09	-1.05	18.0	7.217	8.06	0.187
2.098	0.18	18.5	0.08	-1.08	18.5	7.206	8.07	0.176
2.098	0.16	19.0	0.08	-1.10	19.0	7.195	8.08	0.165
2.098	0.16	19.5	0.07	-1.13	19.5	7.187	8.09	0.157
2.098	0.14	20.0	0.07	-1.17	20.0	7.173	8.10	0.143
2.098	0.14	20.5	0.07	-1.17	20.5	7.172	8.10	0.142
2.098	0.14	21.0	0.07	-1.19	21.0	7.167	8.11	0.137
2.098	0.13	21.5	0.06	-1.22	21.5	7.158	8.12	0.128
2.098	0.12	22.0	0.06	-1.24	22.0	7.152	8.12	0.122
2.098	0.11	22.5	0.05	-1.27	22.5	7.142	8.13	0.112 95% Recovery
2.098	0.11	23.0	0.05	-1.27	23.0	7.142	8.13	0.112
2.098	0.10	23.5	0.05	-1.30	23.5	7.134	8.14	0.104
2.098	0.10	24.0	0.05	-1.32	24.0	7.131	8.15	0.101
2.098	0.09	24.5	0.05	-1.35	24.5	7.124	8.15	0.094
2.098	0.09	25.0	0.04	-1.36	25.0	7.122	8.15	0.092
2.098	0.09	25.5	0.04	-1.38	25.5	7.118	8.16	0.088
2.098	0.09	26.0	0.04	-1.38	26.0	7.118	8.16	0.088
2.098	0.08	26.5	0.04	-1.41	26.5	7.112	8.16	0.082
2.098	0.08	27.0	0.04	-1.41	27.0	7.112	8.16	0.082
2.098	0.08	27.5	0.04	-1.44	27.5	7.106	8.17	0.076
2.098	0.07	28.0	0.03	-1.46	28.0	7.103	8.17	0.073
2.098	0.07	28.5	0.03	-1.47	28.5	7.101	8.17	0.071
2.098	0.07	29.0	0.03	-1.50	29.0	7.097	8.18	0.067
2.098	0.06	29.5	0.03	-1.52	29.5	7.093	8.18	0.063
2.098	0.06	30.0	0.03	-1.52	30.0	7.094	8.18	0.064
2.098	0.06	30.5	0.03	-1.53	30.5	7.093	8.18	0.063
2.098	0.06	31.0	0.03	-1.55	31.0	7.089	8.19	0.059
2.098	0.06	31.5	0.03	-1.57	31.5	7.086	8.19	0.056
2.098	0.05	32.0	0.03	-1.60	32.0	7.083	8.19	0.053
2.098	0.05	32.5	0.02	-1.64	32.5	7.078	8.20	0.048

**Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri**

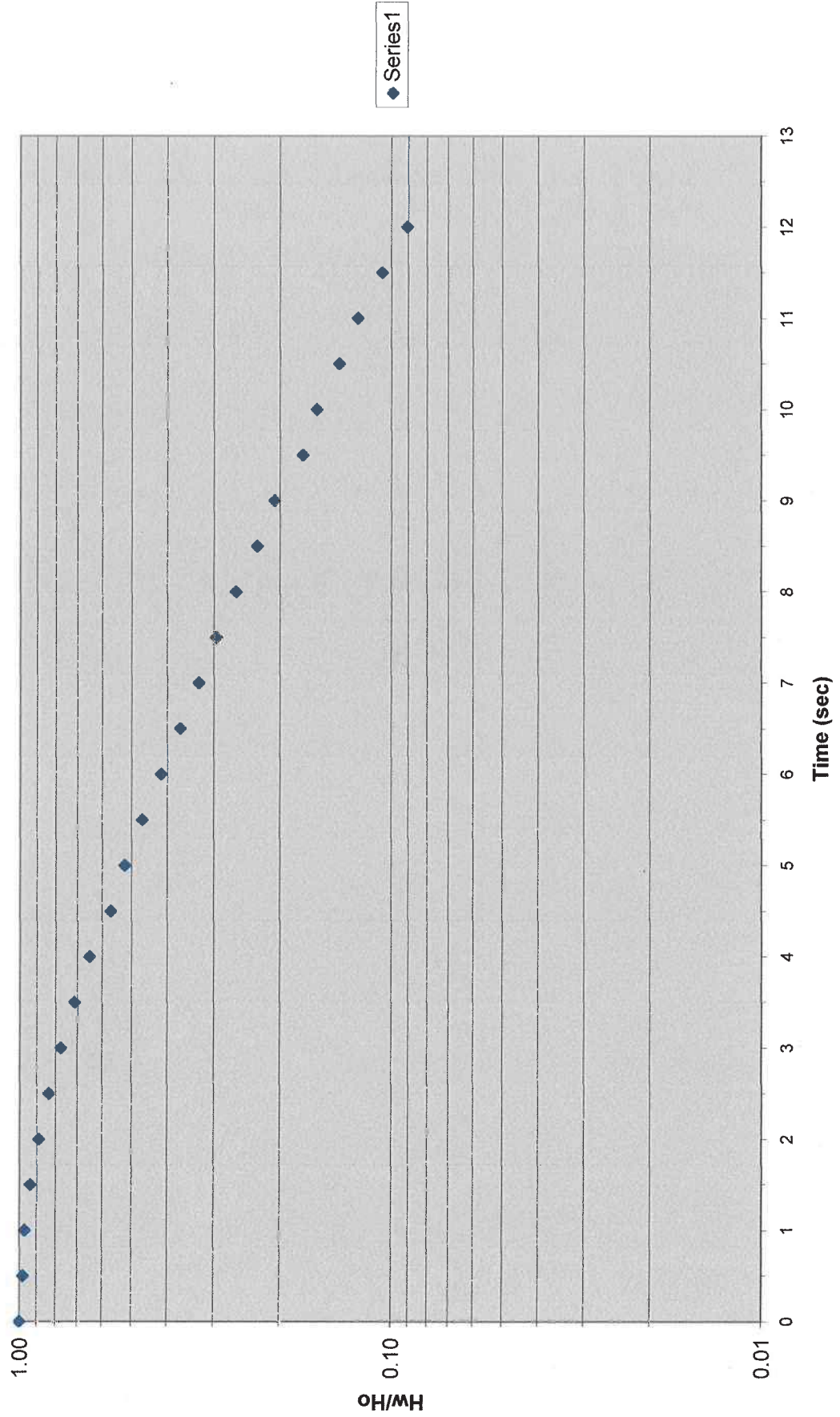
Recovery Data Table for P-169 Aquifer Test

2.098	0.05	33.0	0.02	-1.62	33.0	33.0	7.080	8.20	0.050
2.098	0.05	33.5	0.02	-1.62	33.5	33.5	7.080	8.20	0.050
2.098	0.05	34.0	0.02	-1.62	34.0	34.0	7.080	8.20	0.050
2.098	0.04	34.5	0.02	-1.67	34.5	34.5	7.075	8.20	0.045
2.098	0.04	35.0	0.02	-1.68	35.0	35.0	7.074	8.20	0.044
2.098	0.04	35.5	0.02	-1.72	35.5	35.5	7.070	8.21	0.040
2.098	0.03	36.0	0.02	-1.79	36.0	36.0	7.064	8.21	0.034
2.098	0.04	36.5	0.02	-1.75	36.5	36.5	7.068	8.21	0.038
2.098	0.03	37.0	0.02	-1.79	37.0	37.0	7.064	8.21	0.034
2.098	0.04	37.5	0.02	-1.73	37.5	37.5	7.069	8.21	0.039
2.098	0.04	38.0	0.02	-1.77	38.0	38.0	7.066	8.21	0.036
2.098	0.03	38.5	0.02	-1.81	38.5	38.5	7.063	8.21	0.033
2.098	0.03	39.0	0.02	-1.82	39.0	39.0	7.062	8.21	0.032
2.098	0.03	39.5	0.01	-1.83	39.5	39.5	7.061	8.21	0.031 99% Recovery

Detailed Site Investigation - Ameren Labadie Power Plant
Drawdown Curve - P193



Detailed Site Investigation - Ameren Labadie Power Plant
Plot of 90% Recovery Curve - P193



**Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri**

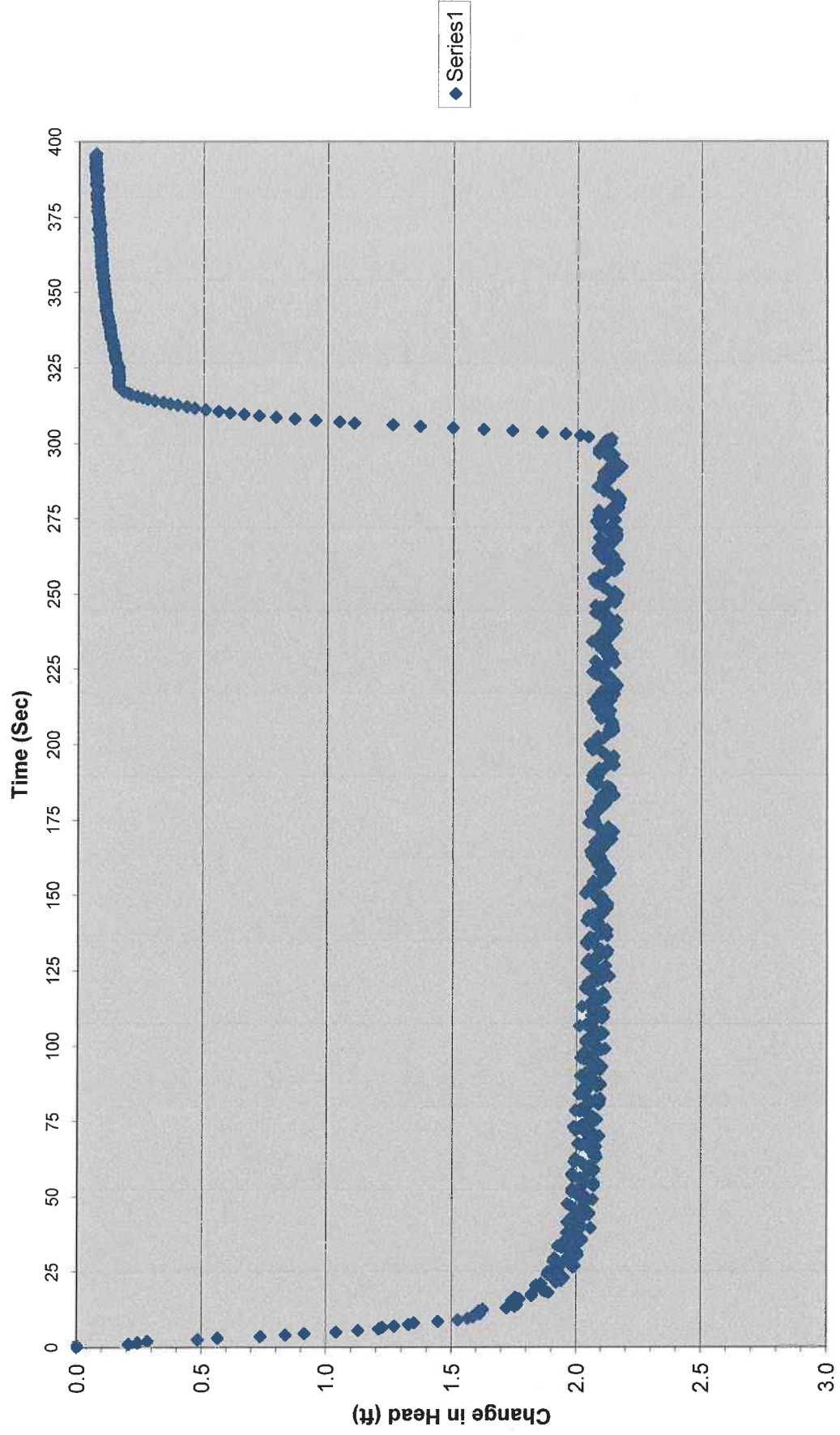
Recovery Data Table for P-193 Aquifer Test

H ₀ (ft)	H _w (ft)	ET (sec)	H _w /H ₀	Log(H _w /H ₀)	ET (sec)	ET (sec)	SWL (ft, btoc)	Depth Feet	Relative Change Feet	
						Seconds	6.010	6.89	0.000 SWL=	6.01
1.982	1.98	0.0	1.00	0.00	0.0	0.5	6.014	6.88	0.004 Pump On	
1.982	1.94	0.5	0.98	-0.01	0.5	0.0	7.992	4.91	1.982 Pump Off	
1.982	1.92	1.0	0.97	-0.01	1.0	0.5	7.952	4.95	1.942	
1.982	1.86	1.5	0.94	-0.03	1.5	1.0	7.928	4.97	1.918	
1.982	1.77	2.0	0.89	-0.05	2.0	1.5	7.871	5.03	1.861	
1.982	1.66	2.5	0.84	-0.08	2.5	2.0	7.777	5.12	1.767	
1.982	1.54	3.0	0.78	-0.11	3.0	2.5	7.671	5.23	1.661	
1.982	1.42	3.5	0.71	-0.15	3.5	3.0	7.551	5.35	1.541	
1.982	1.29	4.0	0.65	-0.19	4.0	3.5	7.426	5.47	1.416	
1.982	1.13	4.5	0.57	-0.24	4.5	4.0	7.299	5.60	1.289	
1.982	1.03	5.0	0.52	-0.28	5.0	4.5	7.139	5.76	1.129	
1.982	0.93	5.5	0.47	-0.33	5.5	5.0	7.044	5.85	1.034	
1.982	0.83	6.0	0.42	-0.38	6.0	5.5	6.938	5.96	0.928	
1.982	0.73	6.5	0.37	-0.43	6.5	6.0	6.836	6.06	0.826	
1.982	0.65	7.0	0.33	-0.48	7.0	6.5	6.743	6.16	0.733	
1.982	0.59	7.5	0.30	-0.53	7.5	7.0	6.664	6.23	0.654	
1.982	0.52	8.0	0.26	-0.58	8.0	7.5	6.597	6.30	0.587	
1.982	0.46	8.5	0.23	-0.64	8.5	8.0	6.530	6.37	0.520	
1.982	0.41	9.0	0.21	-0.68	9.0	8.5	6.467	6.43	0.457	
1.982	0.35	9.5	0.17	-0.76	9.5	9.0	6.420	6.48	0.410	
1.982	0.32	10.0	0.16	-0.80	10.0	9.5	6.355	6.54	0.345	
1.982	0.28	10.5	0.14	-0.86	10.5	10.0	6.326	6.57	0.316	
1.982	0.24	11.0	0.12	-0.91	11.0	10.5	6.285	6.61	0.275	
1.982	0.21	11.5	0.11	-0.97	11.5	11.0	6.255	6.64	0.245	
1.982	0.18	12.0	0.09	-1.04	12.0	11.5	6.220	6.68	0.210	
1.982	0.16	12.5	0.08	-1.11	12.5	12.0	6.190	6.71	0.180 91% Recovery	
1.982	0.12	13.0	0.06	-1.21	13.0	12.5	6.165	6.73	0.155	
1.982	0.10	13.5	0.05	-1.28	13.5	13.0	6.133	6.76	0.123	
1.982	0.09	14.0	0.04	-1.35	14.0	13.5	6.114	6.78	0.104 95% Recovery	
1.982	0.06	14.5	0.03	-1.54	14.5	14.0	6.098	6.80	0.088	
1.982	0.05	15.0	0.02	-1.64	15.0	14.5	6.067	6.83	0.057	
						15.0	6.056	6.84	0.046	

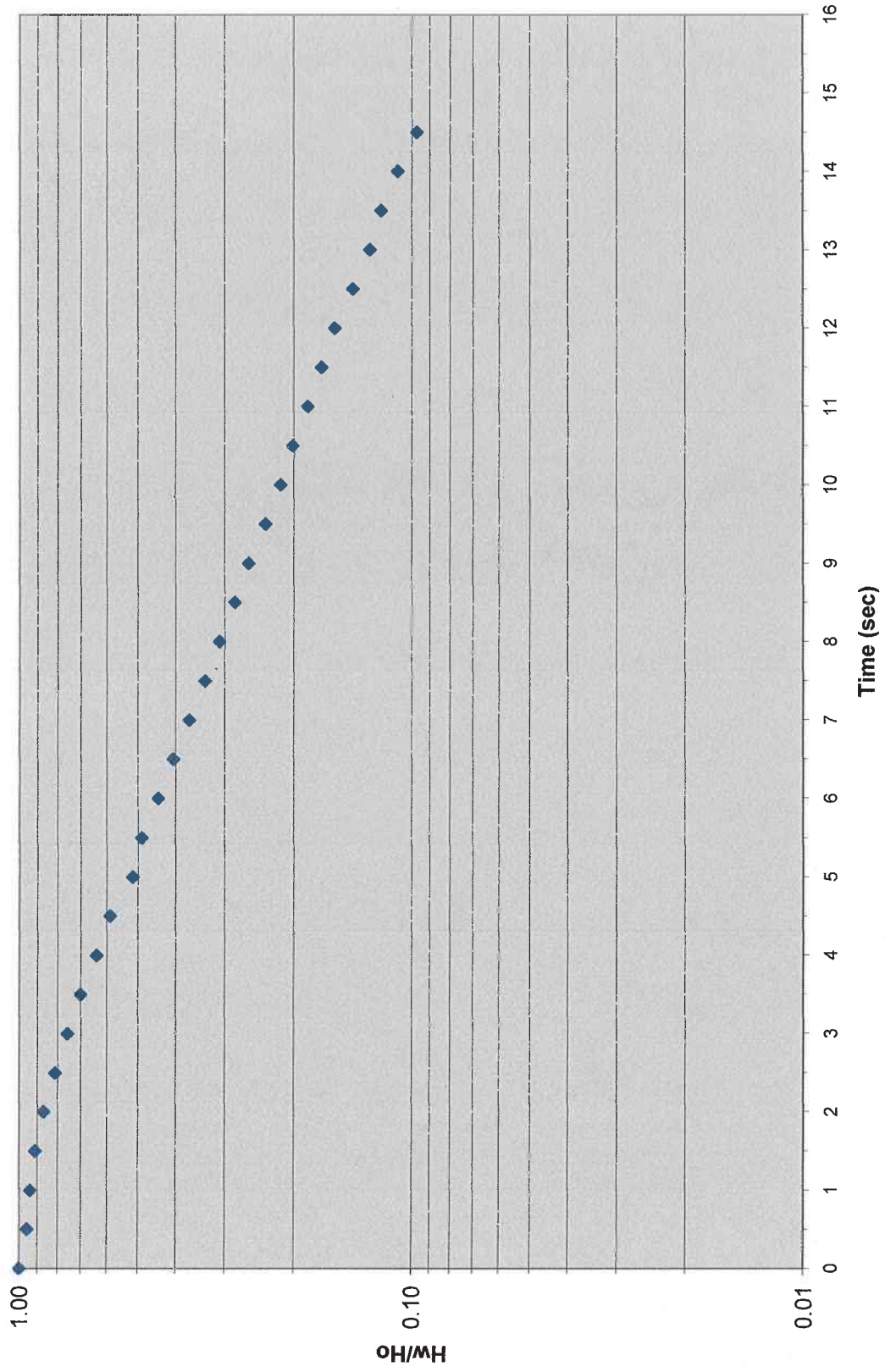
Recovery Data Table for P-193 Aquifer Test

	1982	0.03	15.5	0.02	-1.82	15.5	6.040	6.86	0.030
	1982	0.02	16.0	0.01	-2.11	16.0	6.025	6.87	0.015
	1982	0.01	16.5	0.00	-2.34	16.5	6.019	6.88	0.009
	1982	0.01	17.0	0.00	-2.56	17.0	6.015	6.88	0.005
	1982	0.00	17.5	0.00	-4.92	17.5	6.010	6.89	0.000

Detailed Site Investigation - Ameren Labadie Power Plant
Drawdown Curve - P197



Detailed Site Investigation - Ameren Labadie Power Plant
Plot of 90% Recovery Curve - P197



**Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri**

Recovery Data Table for P-197 Aquifer Test

H ₀ (ft)	H _w (ft)	ET (sec)	H _w /H ₀	Log(H _w /H ₀)	ET (sec)	ET (sec)	SWL (ft, btoc)	Depth Feet	Relative Change Feet	
2.135	2.14	0.0	1.00	0.00	0.0	4.850	12.11	0.000	SWL=	4.85
2.135	2.04	0.5	0.96	-0.02	0.5	4.850	12.11	0.000	Pump On	
2.135	2.01	1.0	0.94	-0.03	1.0	6.985	9.97	2.135	Pump Off	
2.135	1.95	1.5	0.91	-0.04	1.5	6.892	10.06	2.042		
2.135	1.86	2.0	0.87	-0.06	2.0	6.860	10.10	2.010		
2.135	1.74	2.5	0.81	-0.09	2.5	6.800	10.16	1.950		
2.135	1.62	3.0	0.76	-0.12	3.0	6.706	10.25	1.856		
2.135	1.50	3.5	0.70	-0.15	3.5	6.588	10.37	1.738		
2.135	1.37	4.0	0.64	-0.19	4.0	6.470	10.49	1.620		
2.135	1.26	4.5	0.59	-0.23	4.5	6.346	10.61	1.496		
2.135	1.10	5.0	0.52	-0.29	5.0	6.215	10.74	1.365		
2.135	1.04	5.5	0.49	-0.31	5.5	6.107	10.85	1.257		
2.135	0.95	6.0	0.44	-0.35	6.0	5.953	11.00	1.103		
2.135	0.87	6.5	0.41	-0.39	6.5	5.895	11.06	1.045		
2.135	0.79	7.0	0.37	-0.43	7.0	5.800	11.16	0.950		
2.135	0.72	7.5	0.34	-0.47	7.5	5.716	11.24	0.866		
2.135	0.66	8.0	0.31	-0.51	8.0	5.641	11.32	0.791		
2.135	0.61	8.5	0.28	-0.55	8.5	5.572	11.38	0.722		
2.135	0.56	9.0	0.26	-0.58	9.0	5.512	11.44	0.662		
2.135	0.51	9.5	0.24	-0.63	9.5	5.455	11.50	0.605		
2.135	0.46	10.0	0.22	-0.66	10.0	5.408	11.55	0.558		
2.135	0.43	10.5	0.20	-0.69	10.5	5.356	11.60	0.506		
2.135	0.39	11.0	0.18	-0.73	11.0	5.312	11.64	0.462		
2.135	0.36	11.5	0.17	-0.77	11.5	5.281	11.67	0.431		
2.135	0.34	12.0	0.16	-0.80	12.0	5.244	11.71	0.394		
2.135	0.30	12.5	0.14	-0.85	12.5	5.214	11.74	0.364		
2.135	0.27	13.0	0.13	-0.89	13.0	5.187	11.77	0.337		
2.135	0.26	13.5	0.12	-0.92	13.5	5.152	11.80	0.302		
2.135	0.23	14.0	0.11	-0.96	14.0	5.124	11.83	0.274		
2.135	0.21	14.5	0.10	-1.01	14.5	5.106	11.85	0.256		
2.135	0.20	15.0	0.09	-1.03	15.0	5.082	11.87	0.232		
						5.058	11.90	0.208	90% Recovery	
						5.048	11.91	0.198		

**Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri**

Recovery Data Table for P-197 Aquifer Test

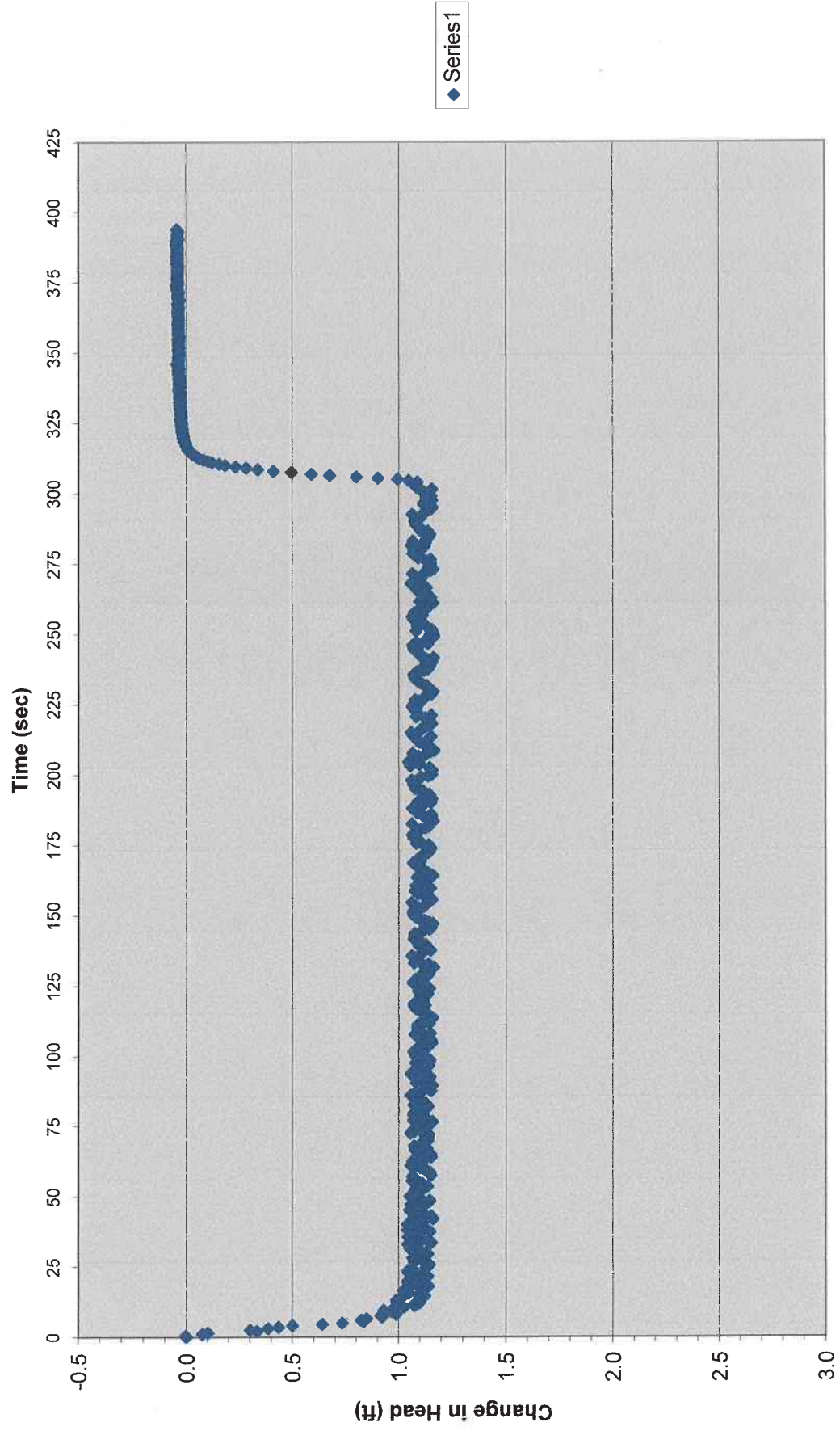
2.135	0.18	15.5	0.08	-1.08	15.5	5.029	11.93	0.179
2.135	0.18	16.0	0.08	-1.08	16.0	5.026	11.93	0.176
2.135	0.17	16.5	0.08	-1.10	16.5	5.019	11.94	0.169
2.135	0.16	17.0	0.08	-1.12	17.0	5.012	11.94	0.162
2.135	0.16	17.5	0.07	-1.13	17.5	5.009	11.95	0.159
2.135	0.16	18.0	0.07	-1.13	18.0	5.009	11.95	0.159
2.135	0.16	18.5	0.07	-1.13	18.5	5.008	11.95	0.158
2.135	0.16	19.0	0.07	-1.13	19.0	5.009	11.95	0.159
2.135	0.16	19.5	0.08	-1.12	19.5	5.010	11.95	0.160
2.135	0.16	20.0	0.07	-1.13	20.0	5.007	11.95	0.157
2.135	0.16	20.5	0.08	-1.12	20.5	5.011	11.95	0.161
2.135	0.16	21.0	0.07	-1.13	21.0	5.010	11.95	0.160
2.135	0.16	21.5	0.07	-1.13	21.5	5.009	11.95	0.159
2.135	0.15	22.0	0.07	-1.14	22.0	5.004	11.95	0.154
2.135	0.16	22.5	0.07	-1.13	22.5	5.008	11.95	0.158
2.135	0.16	23.0	0.07	-1.14	23.0	5.005	11.95	0.155
2.135	0.16	23.5	0.07	-1.13	23.5	5.010	11.95	0.160
2.135	0.16	24.0	0.07	-1.14	24.0	5.006	11.95	0.156
2.135	0.15	24.5	0.07	-1.14	24.5	5.004	11.95	0.154
2.135	0.15	25.0	0.07	-1.15	25.0	5.000	11.96	0.150
2.135	0.15	25.5	0.07	-1.15	25.5	5.001	11.96	0.151
2.135	0.15	26.0	0.07	-1.16	26.0	4.996	11.96	0.146
2.135	0.15	26.5	0.07	-1.16	26.5	4.996	11.96	0.146
2.135	0.14	27.0	0.07	-1.17	27.0	4.994	11.96	0.144
2.135	0.14	27.5	0.07	-1.17	27.5	4.994	11.96	0.144
2.135	0.14	28.0	0.07	-1.17	28.0	4.995	11.96	0.145
2.135	0.14	28.5	0.07	-1.17	28.5	4.994	11.96	0.144
2.135	0.14	29.0	0.07	-1.18	29.0	4.990	11.97	0.140
2.135	0.14	29.5	0.07	-1.19	29.5	4.989	11.97	0.139
2.135	0.14	30.0	0.06	-1.19	30.0	4.987	11.97	0.137
2.135	0.14	30.5	0.06	-1.19	30.5	4.989	11.97	0.139
2.135	0.14	31.0	0.06	-1.19	31.0	4.988	11.97	0.138
2.135	0.13	31.5	0.06	-1.20	31.5	4.985	11.97	0.135
2.135	0.14	32.0	0.06	-1.20	32.0	4.985	11.97	0.135
2.135	0.13	32.5	0.06	-1.20	32.5	4.984	11.97	0.134

**Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri**

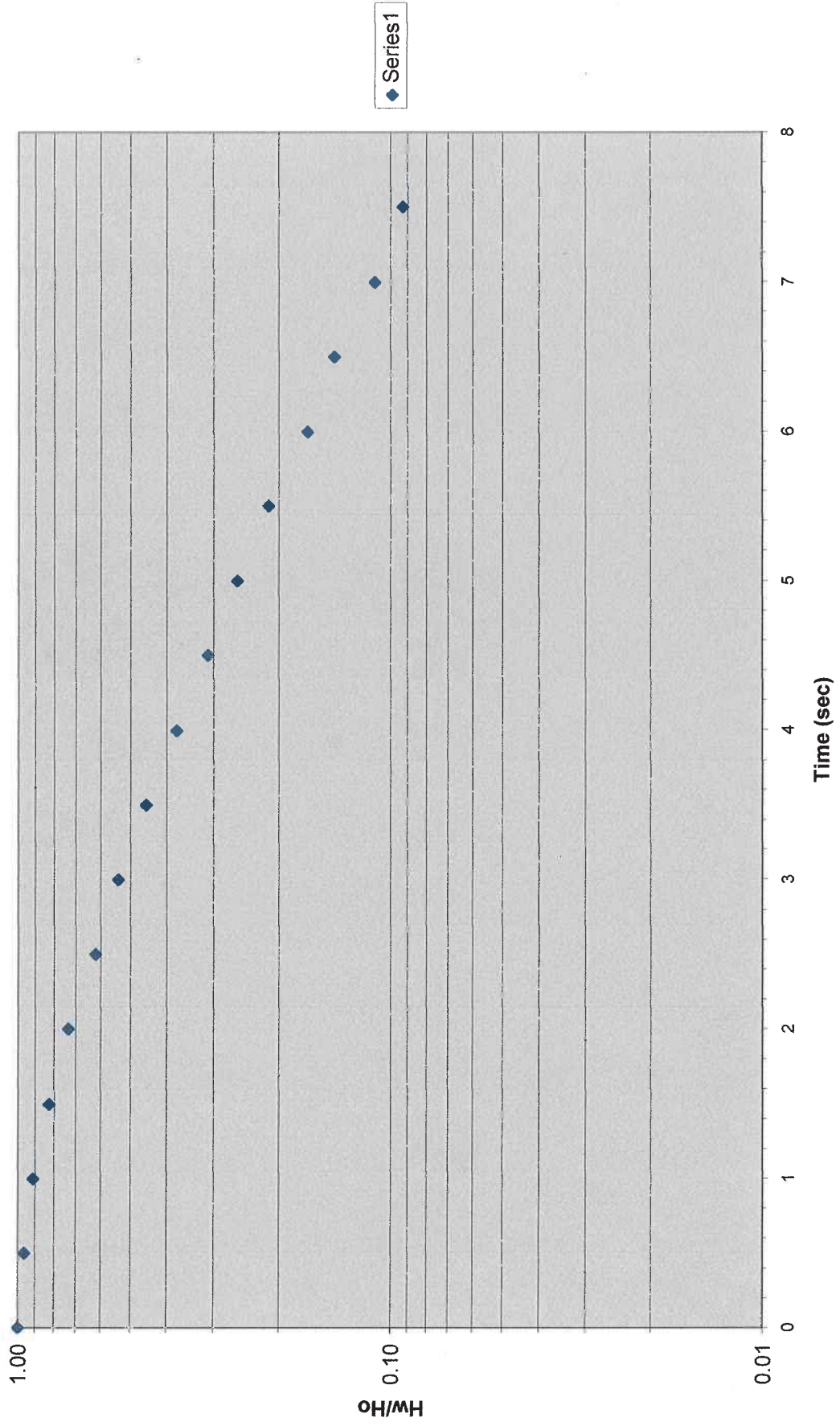
Recovery Data Table for P-197 Aquifer Test

2.135	0.13	33.0	0.06	-1.22	33.0	4.977	11.98	0.127
2.135	0.13	33.5	0.06	-1.22	33.5	4.977	11.98	0.127
2.135	0.13	34.0	0.06	-1.23	34.0	4.976	11.98	0.126
2.135	0.13	34.5	0.06	-1.22	34.5	4.977	11.98	0.127
2.135	0.13	35.0	0.06	-1.23	35.0	4.975	11.98	0.125
2.135	0.12	35.5	0.06	-1.23	35.5	4.974	11.98	0.124
2.135	0.13	36.0	0.06	-1.23	36.0	4.976	11.98	0.126
2.135	0.12	36.5	0.06	-1.24	36.5	4.974	11.98	0.124
2.135	0.12	37.0	0.06	-1.25	37.0	4.971	11.99	0.121
2.135	0.12	37.5	0.06	-1.24	37.5	4.974	11.98	0.124
2.135	0.12	38.0	0.05	-1.27	38.0	4.966	11.99	0.116 95% Recovery

Detailed Site Investigation - Ameren Labadie Power Plant
Drawdown Curve - P199



Detailed Site Investigation - Ameren Labadie Power Plant
Plot of 90% Recovery Curve - P199



Detailed Site Investigation

Proposed Utility Waste Disposal Area

Ameren Labadie Power Plant

Franklin County, Missouri

Recovery Data Table for P-199 Aquifer Test

H ₀ (ft)	H _w (ft)	ET (sec)	H _w /H ₀	Log(H _w /H ₀)	ET (sec)	ET (sec)	SWL (ft, btoc)	Depth Feet	Relative Change Feet	
						Seconds				
						0.0	7.400	6.99	0.000 SWL=	7.40
1.085	1.08	0.0	1.00	0.00	0.0	0.5	7.396	7.00	-0.004 Pump On	
1.085	1.04	0.5	0.96	-0.02	0.5	0.0	8.485	5.91	1.085 Pump Off	
1.085	0.99	1.0	0.91	-0.04	1.0	0.5	8.443	5.95	1.043	
1.085	0.90	1.5	0.83	-0.08	1.5	1.0	8.392	6.00	0.992	
1.085	0.79	2.0	0.73	-0.14	2.0	1.5	8.298	6.10	0.898	
1.085	0.67	2.5	0.62	-0.21	2.5	2.0	8.195	6.20	0.795	
1.085	0.59	3.0	0.54	-0.27	3.0	2.5	8.072	6.32	0.672	
1.085	0.49	3.5	0.46	-0.34	3.5	3.0	7.985	6.41	0.585	
1.085	0.41	4.0	0.38	-0.42	4.0	3.5	7.894	6.50	0.494	
1.085	0.34	4.5	0.31	-0.51	4.5	4.0	7.809	6.59	0.409	
1.085	0.28	5.0	0.26	-0.59	5.0	4.5	7.737	6.66	0.337	
1.085	0.23	5.5	0.21	-0.67	5.5	5.0	7.681	6.71	0.281	
1.085	0.18	6.0	0.17	-0.78	6.0	5.5	7.632	6.76	0.232	
1.085	0.15	6.5	0.14	-0.85	6.5	6.0	7.582	6.81	0.182	
1.085	0.12	7.0	0.11	-0.96	7.0	6.5	7.555	6.84	0.155	
1.085	0.10	7.5	0.09	-1.03	7.5	7.0	7.520	6.87	0.120	
1.085	0.08	8.0	0.07	-1.13	8.0	7.5	7.501	6.89	0.101 91% Recovery	
1.085	0.06	8.5	0.06	-1.26	8.5	8.0	7.480	6.91	0.080	
1.085	0.05	9.0	0.05	-1.32	9.0	8.5	7.460	6.93	0.060	
1.085	0.04	9.5	0.04	-1.43	9.5	9.0	7.452	6.94	0.052 95% Recovery	
1.085	0.03	10.0	0.03	-1.58	10.0	9.5	7.440	6.95	0.040	
1.085	0.02	10.5	0.02	-1.67	10.5	10.0	7.428	6.97	0.028	
1.085	0.02	11.0	0.02	-1.77	11.0	10.5	7.423	6.97	0.023	
1.085	0.01	11.5	0.01	-2.20	11.5	11.0	7.418	6.98	0.018	
						11.5	7.407	6.99	0.007 99% Recovery	

Appendix 10

Monthly Water Level Monitoring

Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant

Prepared by: GREDELL Engineering Resources, Inc.

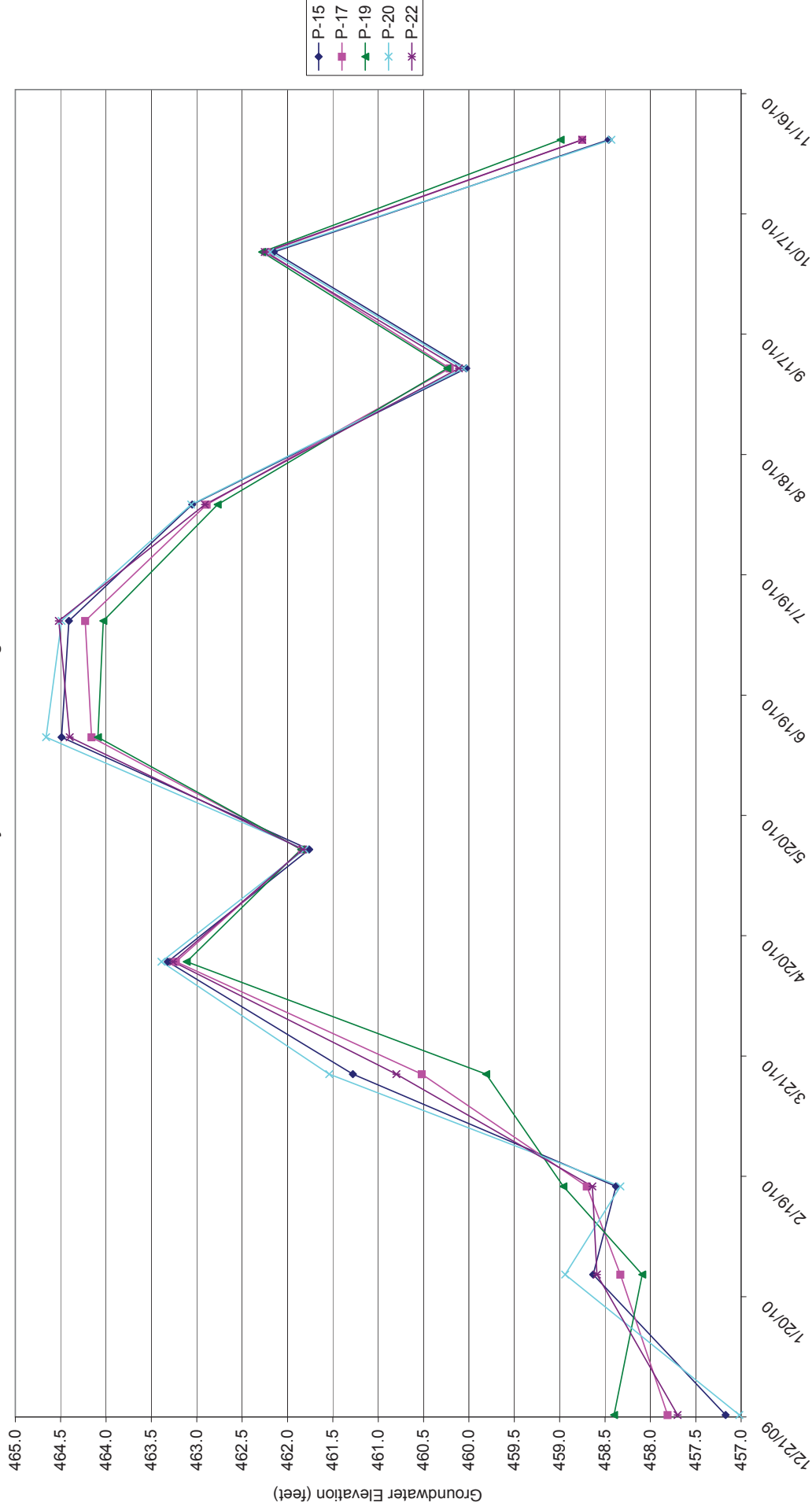
Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri

Monthly Water Level Monitoring



**Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri**

Monthly Water Level Monitoring

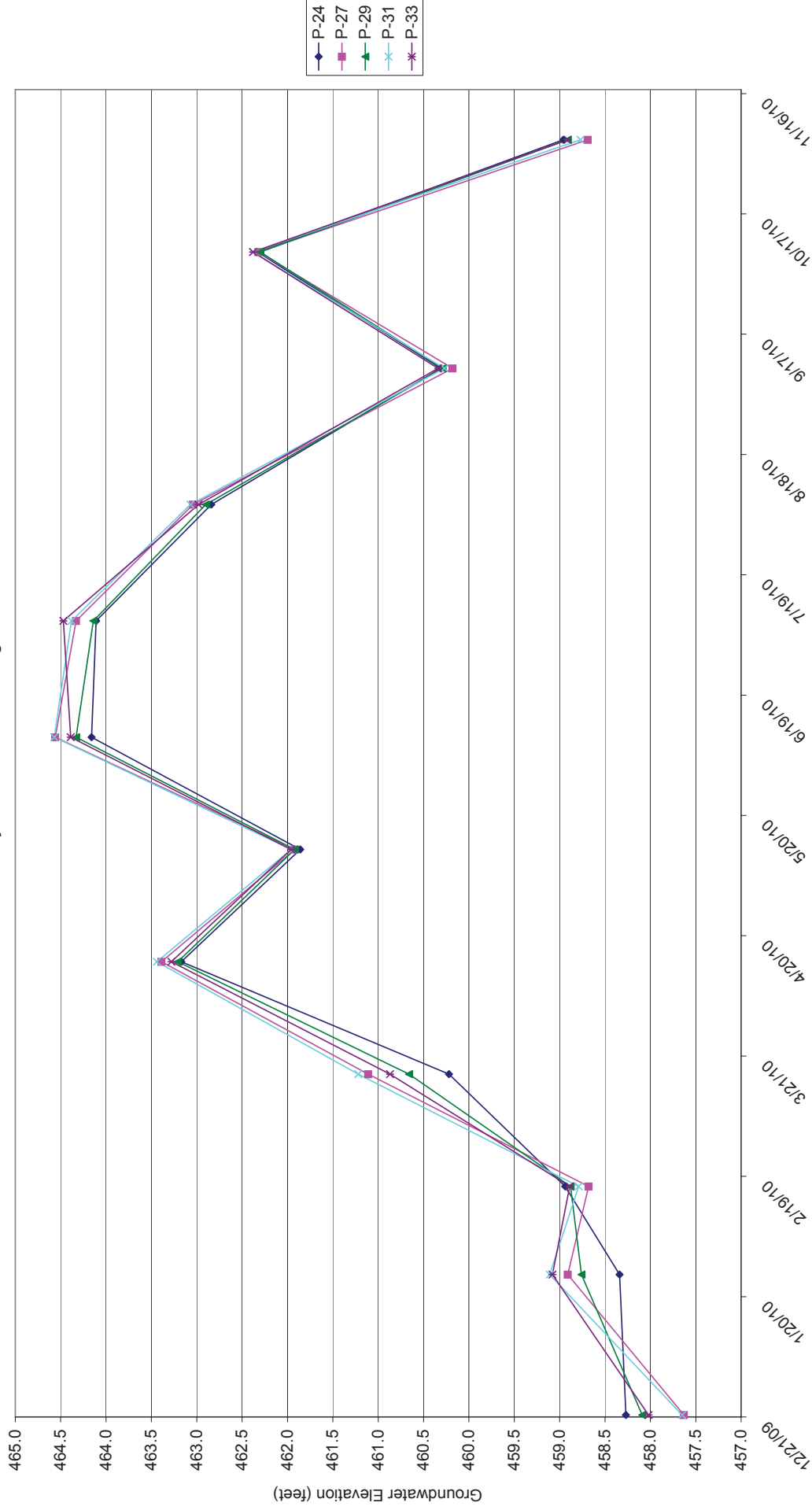


Monitoring Date

Prepared by: GREDELL Engineering Resources, Inc.

Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri

Monthly Water Level Monitoring

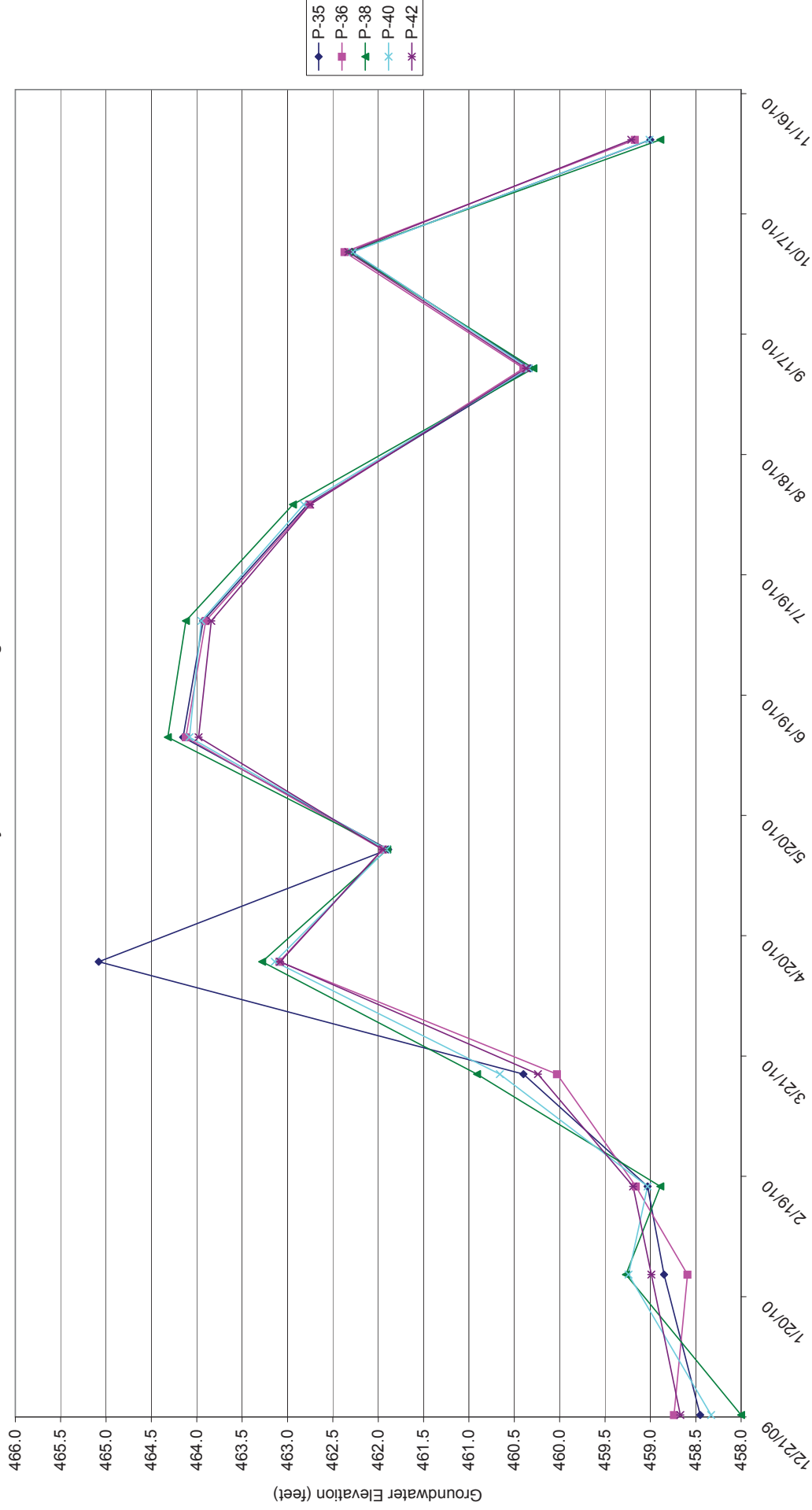


Monitoring Date

Prepared by: GREDELL Engineering Resources, Inc.

**Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri**

Monthly Water Level Monitoring

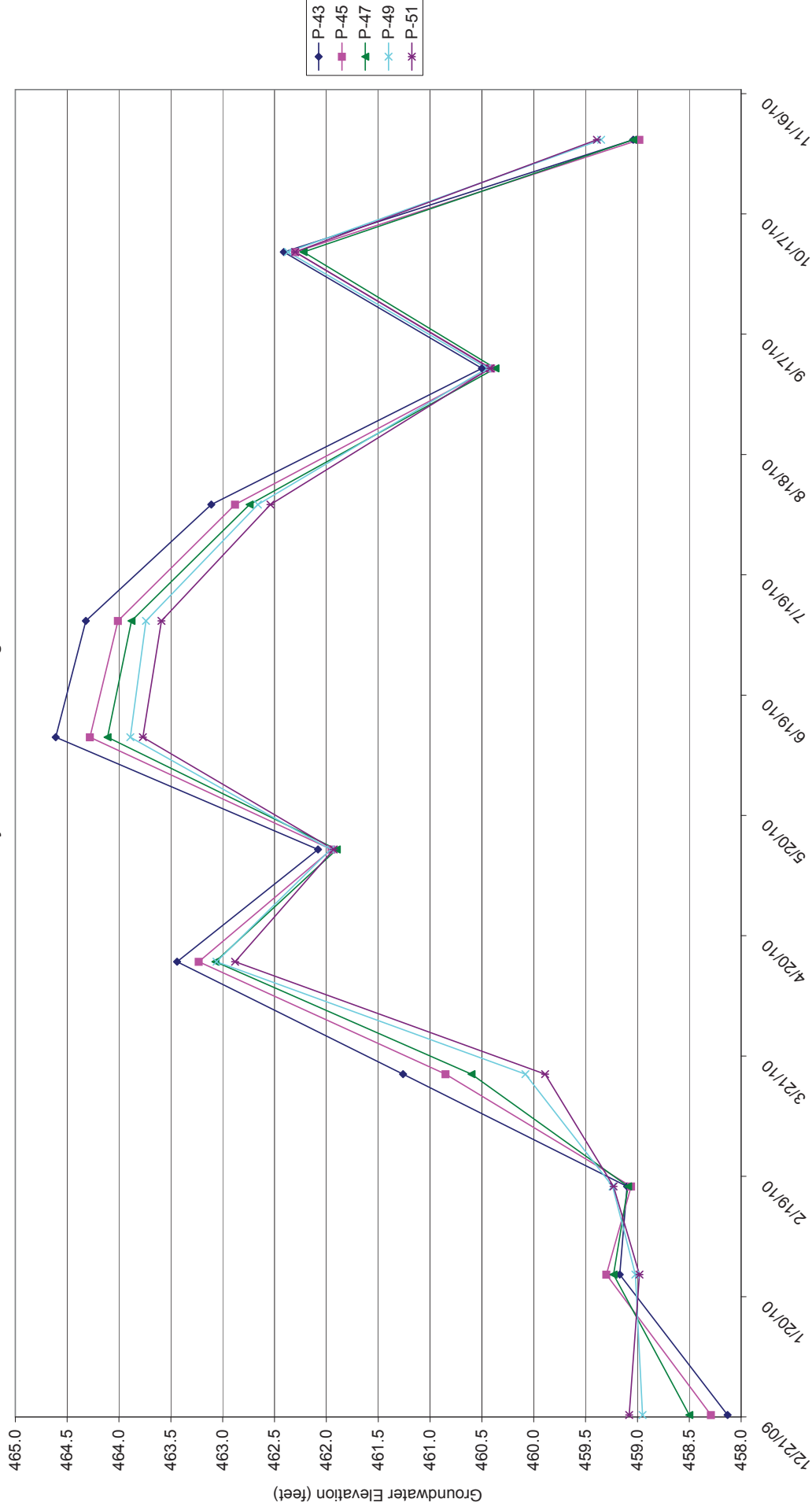


*Anomalous reading for P-35 on 4/13/10 believed attributable to measurement error.

Prepared by: GREDELL Engineering Resources, Inc.

**Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri**

Monthly Water Level Monitoring

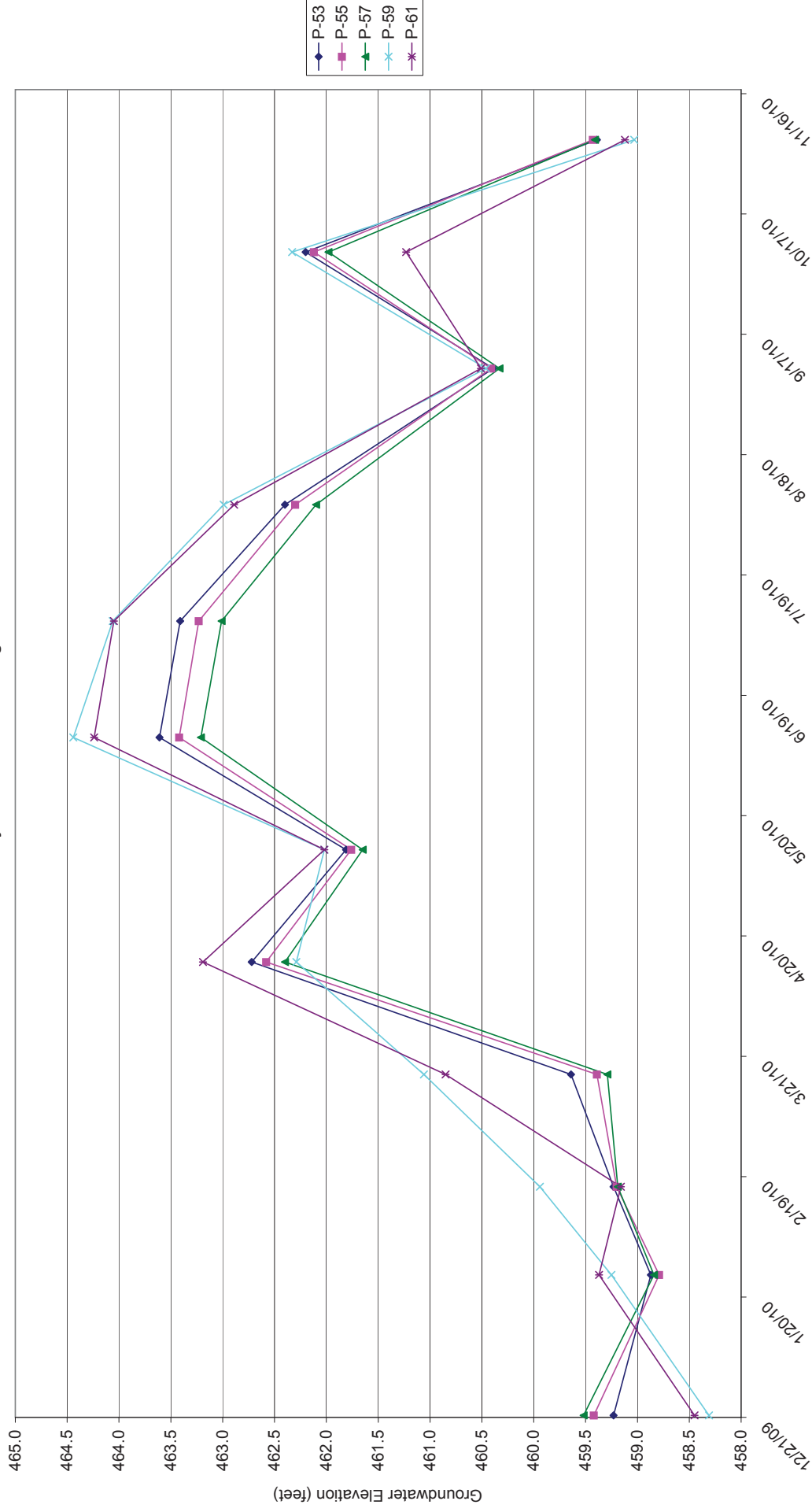


Monitoring Date

Prepared by: GREDELL Engineering Resources, Inc.

Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri

Monthly Water Level Monitoring

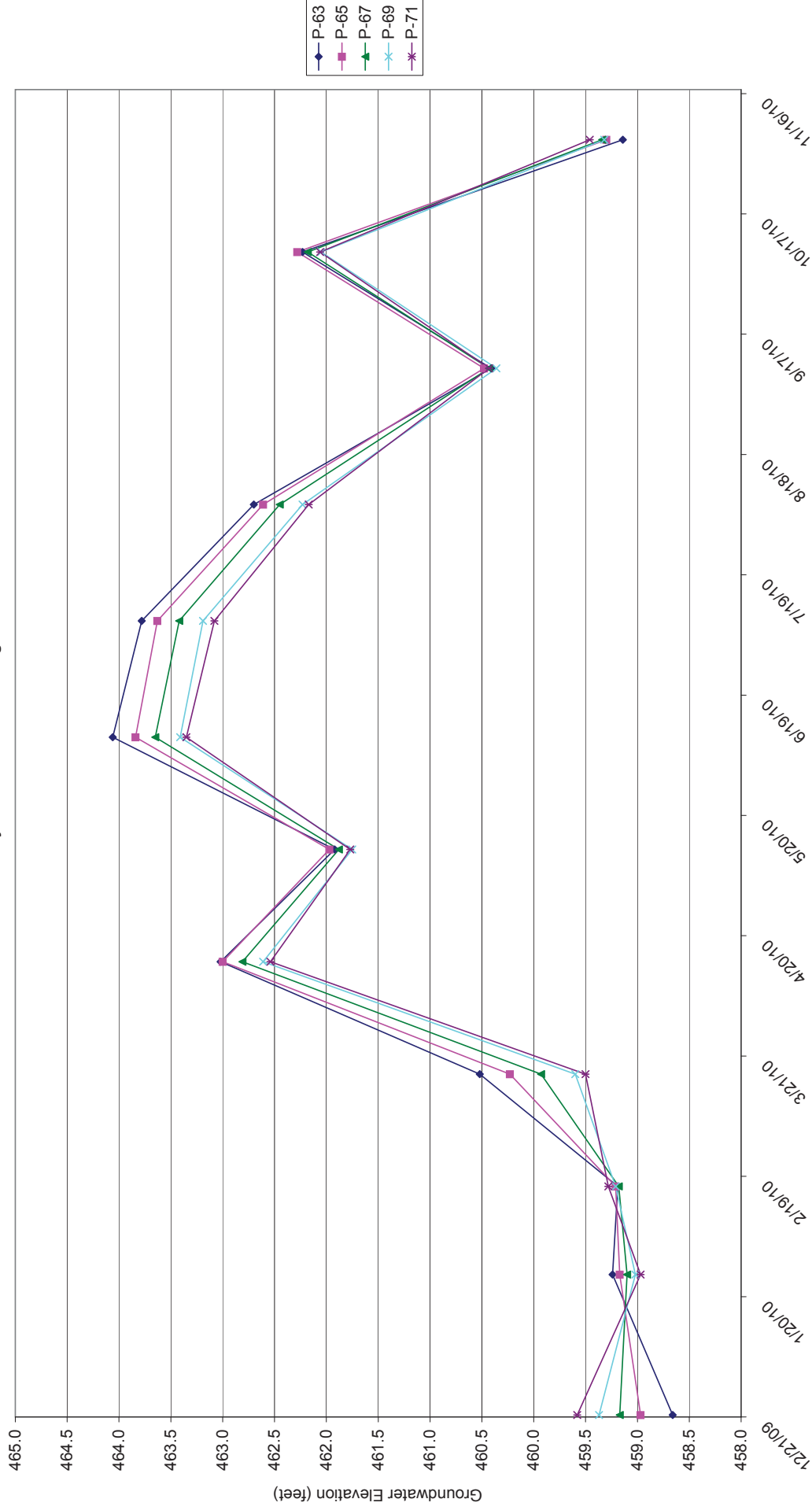


*Anomalous reading for P-59 on 2/16/10 believed attributable to measurement error.

Prepared by: GREDELL Engineering Resources, Inc.

**Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri**

Monthly Water Level Monitoring

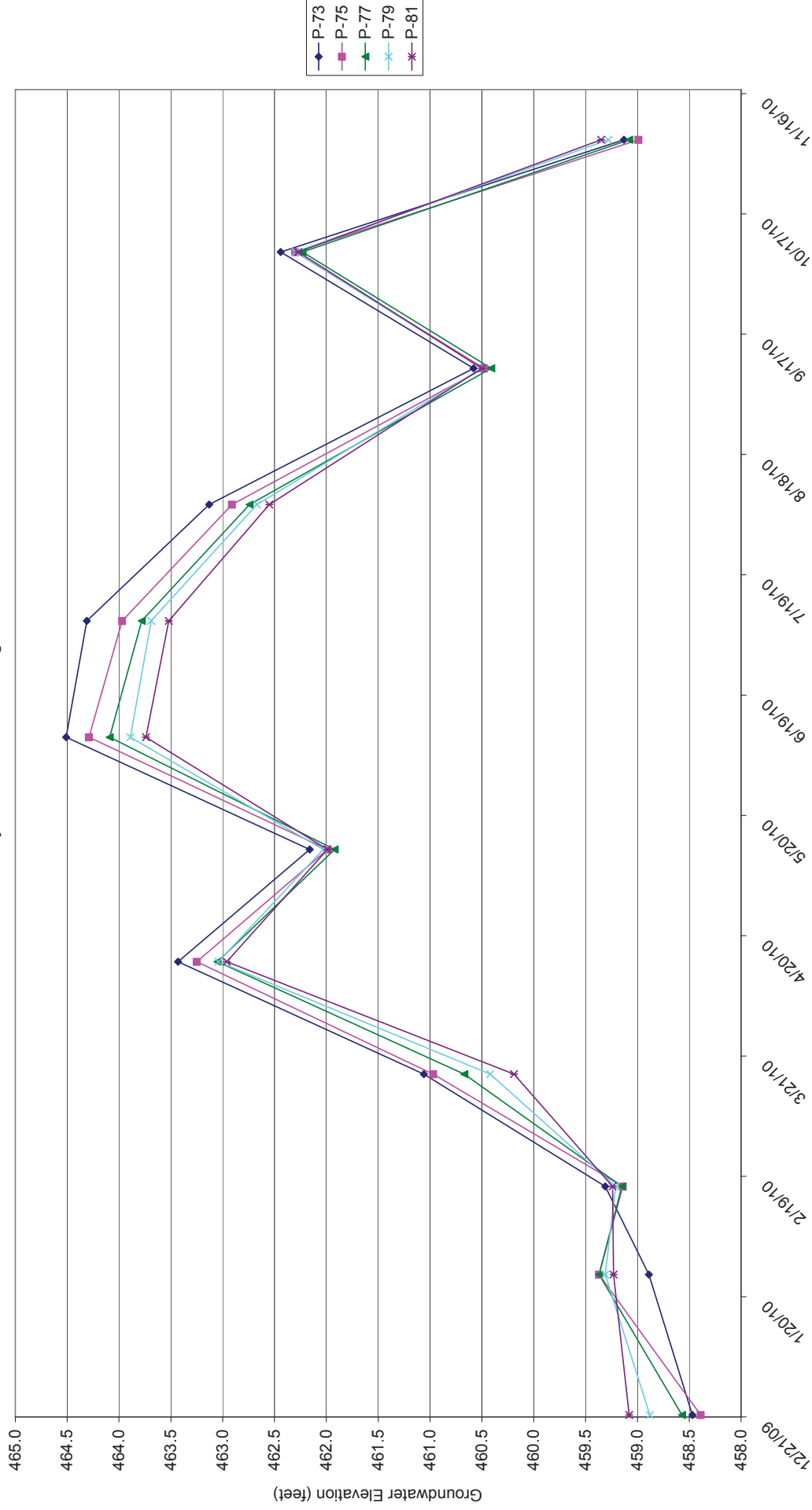


Monitoring Date

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Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri

Monthly Water Level Monitoring

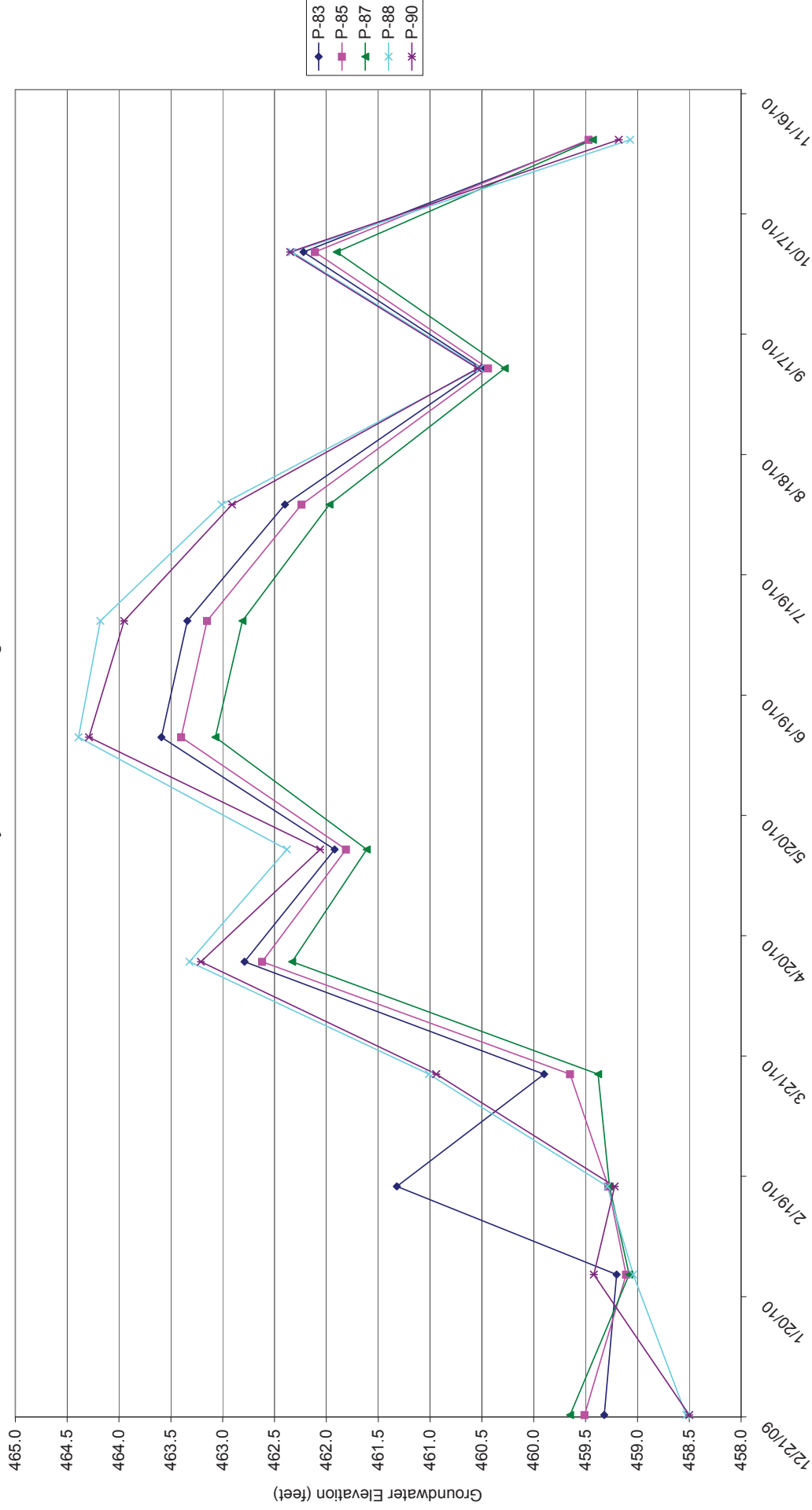


Monitoring Date

Prepared by: GREDELL Engineering Resources, Inc.

**Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri**

Monthly Water Level Monitoring

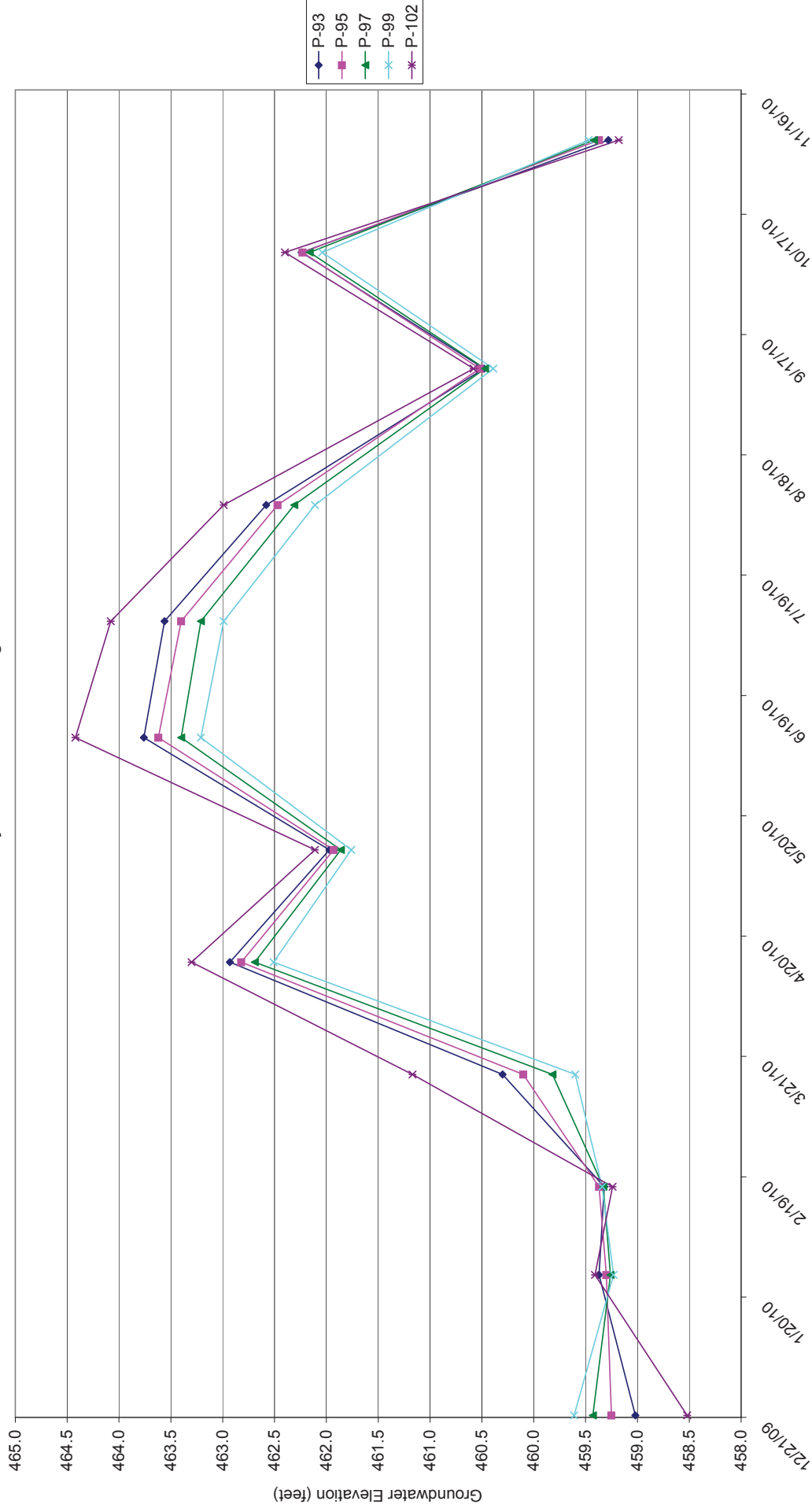


*Anomalous reading for P-83 on 2/16/10 believed attributable to measurement error.

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Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri

Monthly Water Level Monitoring

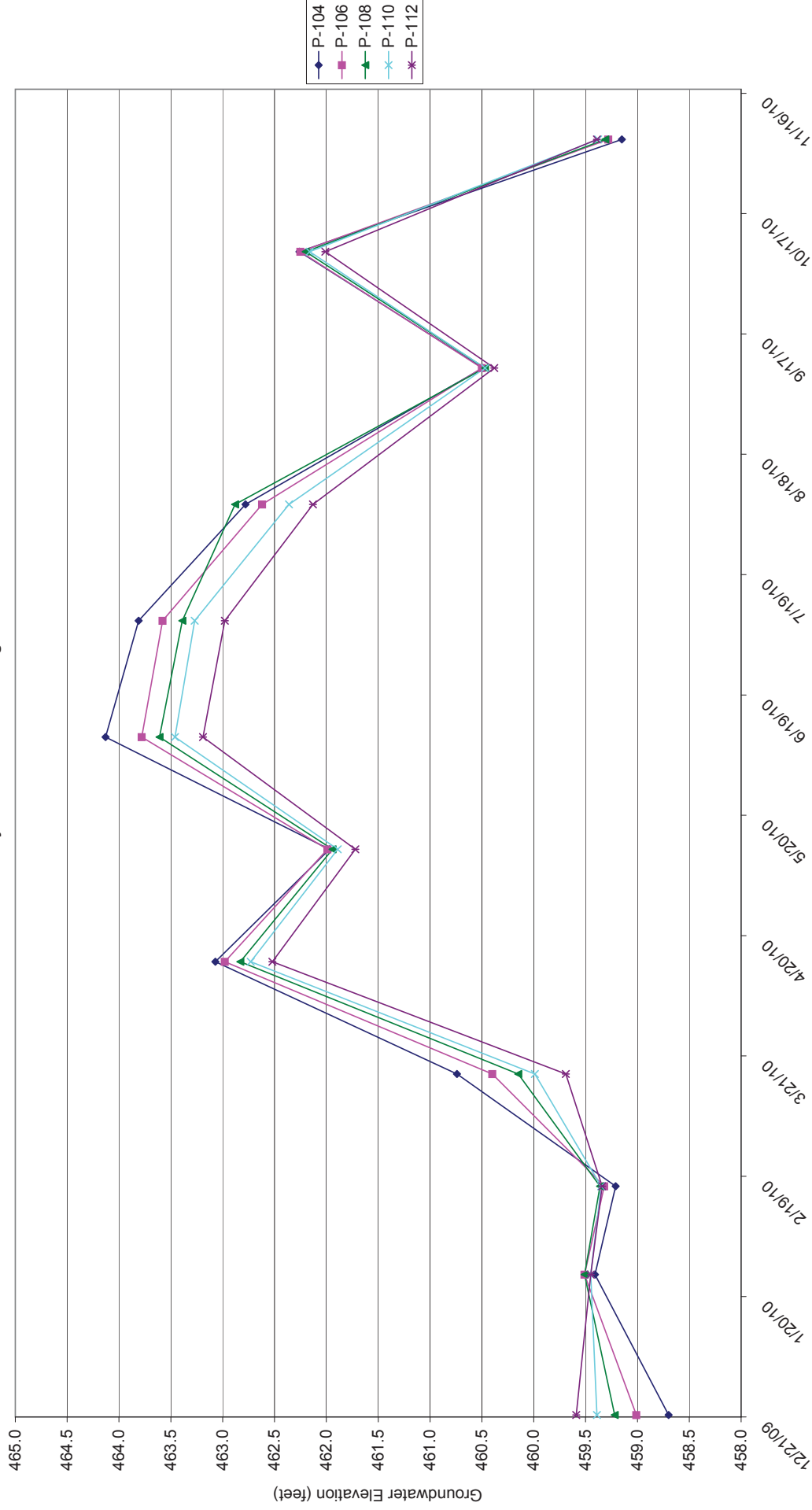


Monitoring Date

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Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri

Monthly Water Level Monitoring

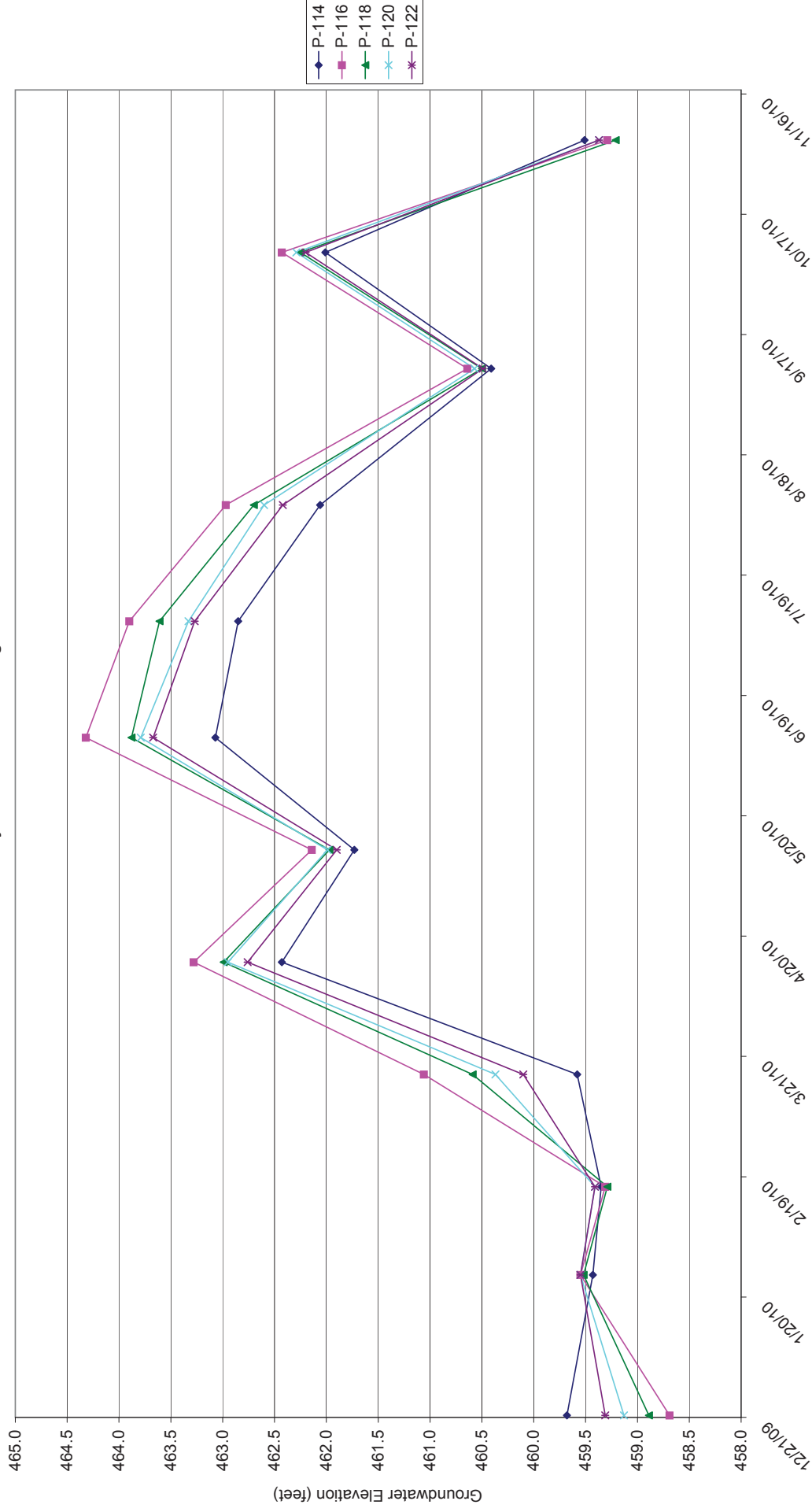


Monitoring Date

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Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri

Monthly Water Level Monitoring

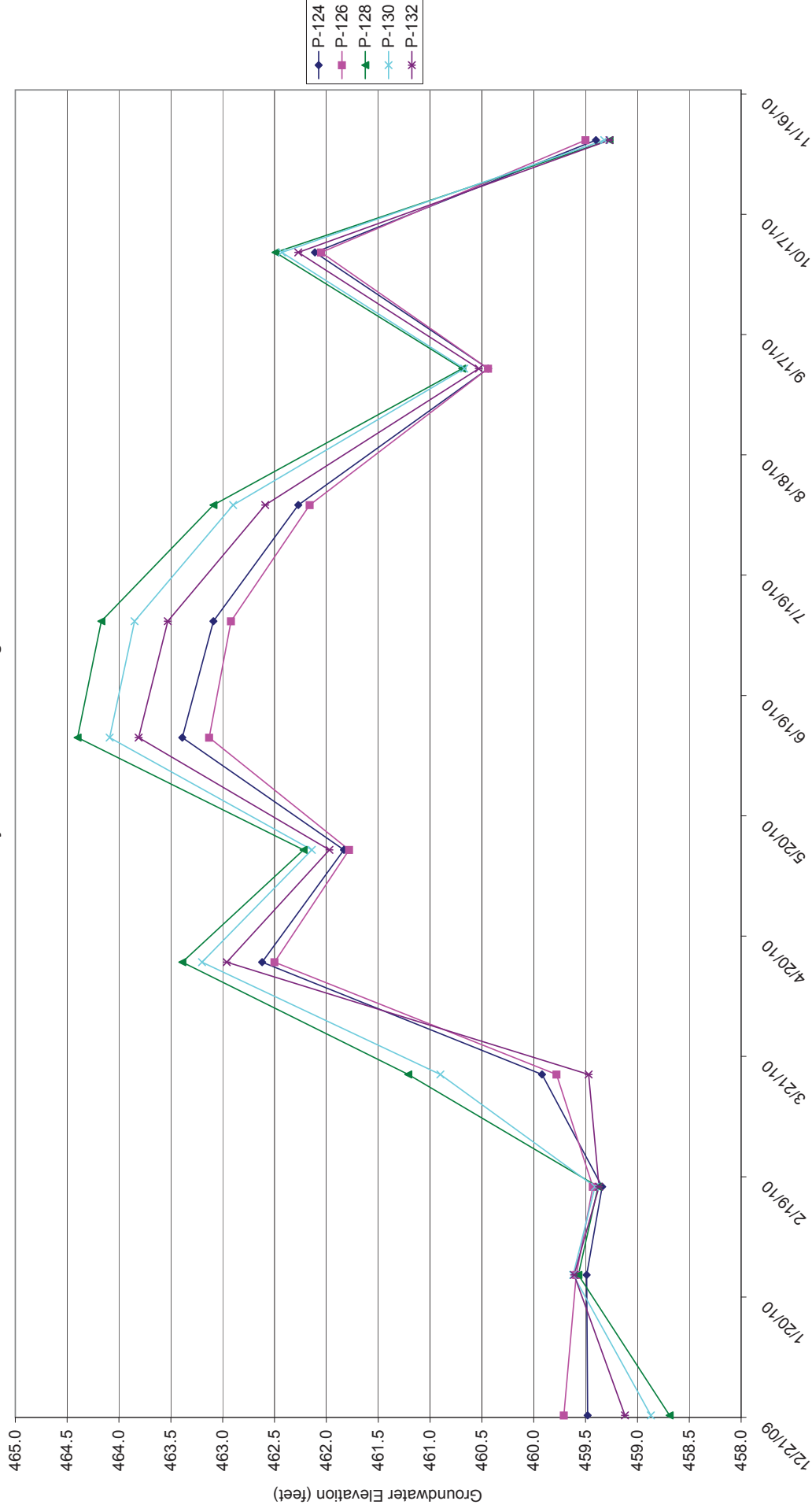


Monitoring Date

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**Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri**

Monthly Water Level Monitoring

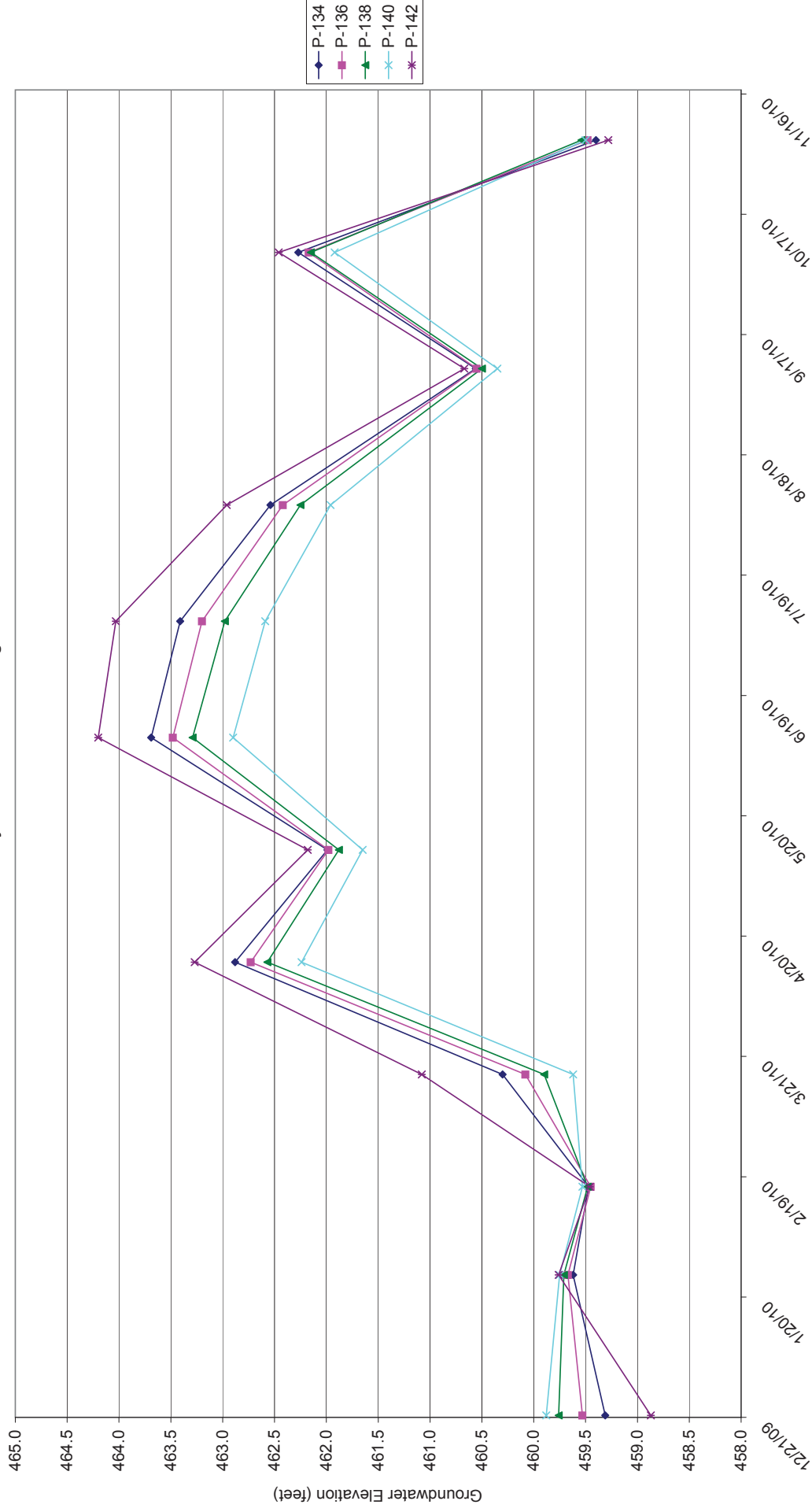


*anomalous reading for P-132 on 3/16/10 believed attributable to measurement error.

Prepared by: GREDELL Engineering Resources, Inc.

Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri

Monthly Water Level Monitoring

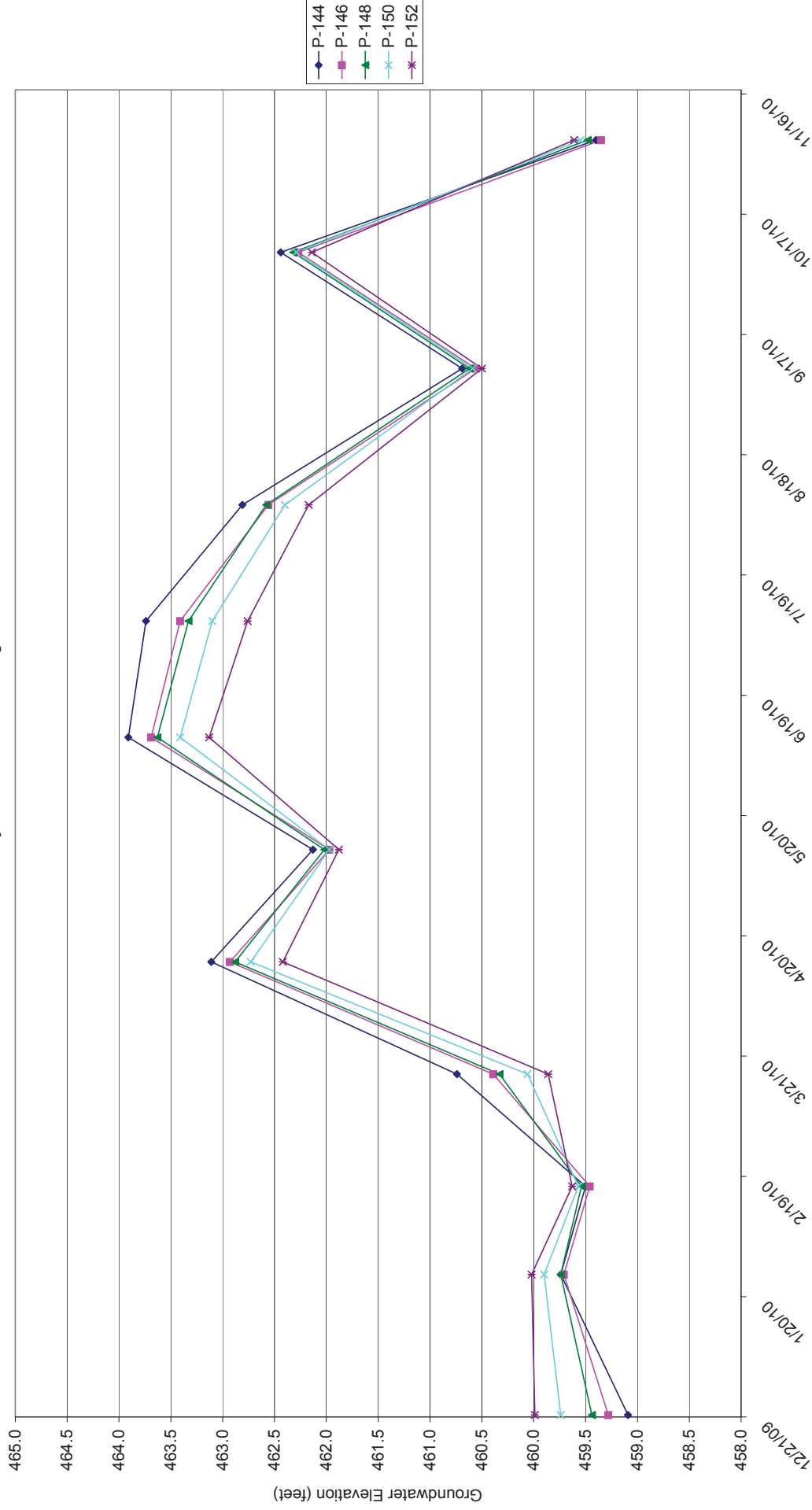


Monitoring Date

Prepared by: GREDELL Engineering Resources, Inc.

**Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri**

Monthly Water Level Monitoring

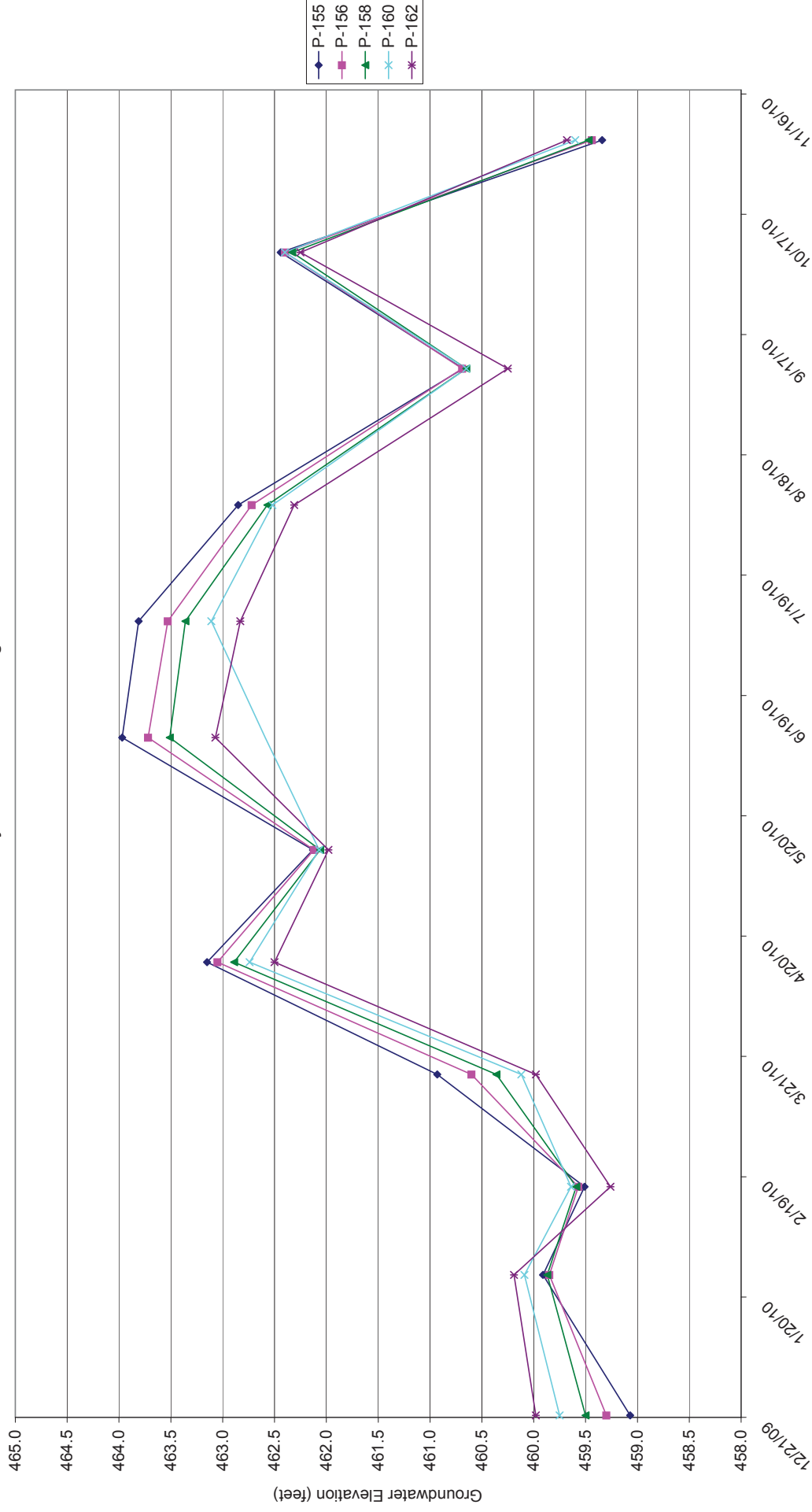


Monitoring Date

Prepared by: GREDELL Engineering Resources, Inc.

**Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri**

Monthly Water Level Monitoring

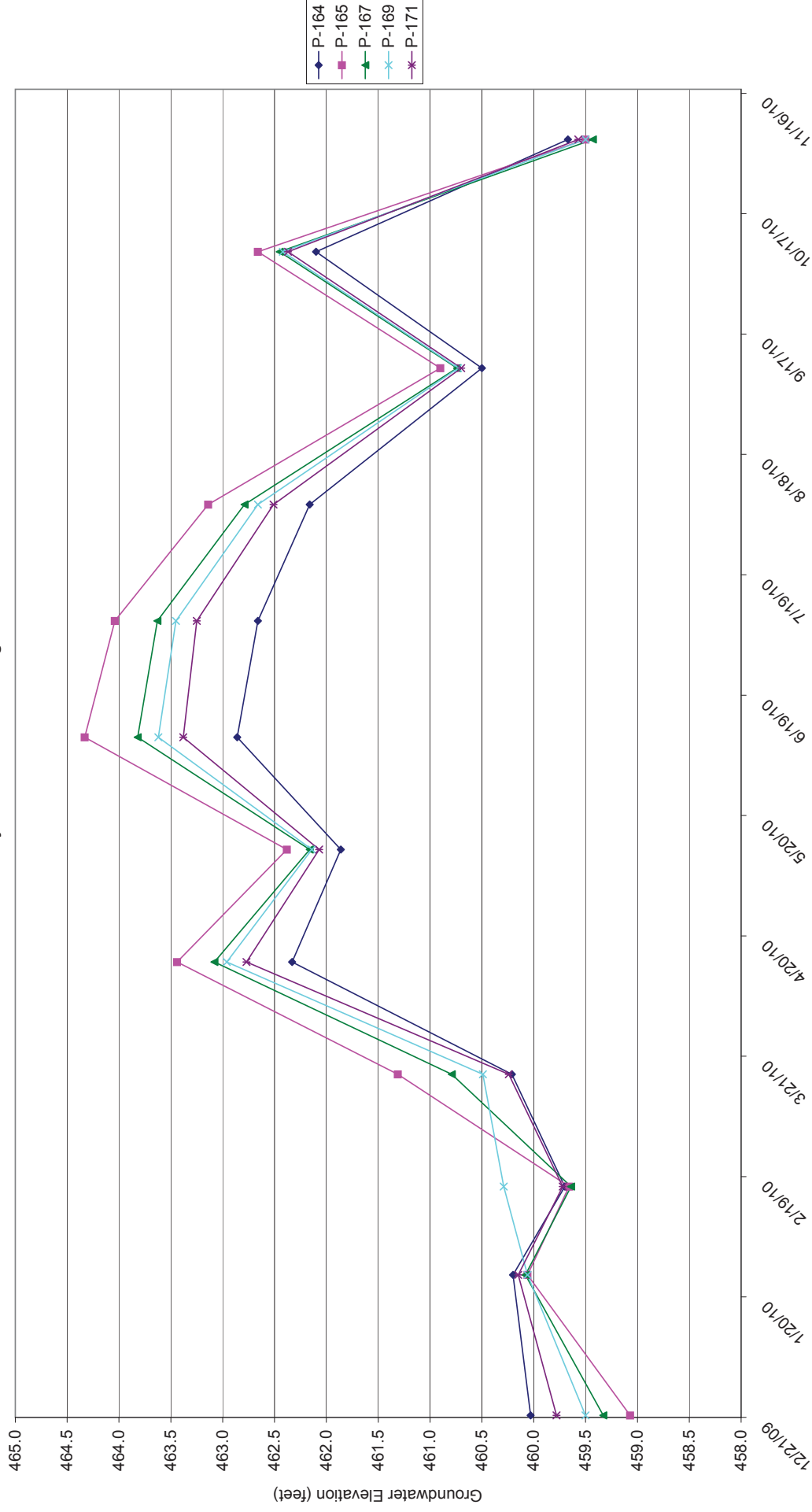


*Anomalous reading for P-162 on 2/16/10 believed attributable to measurement error.

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Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri

Monthly Water Level Monitoring

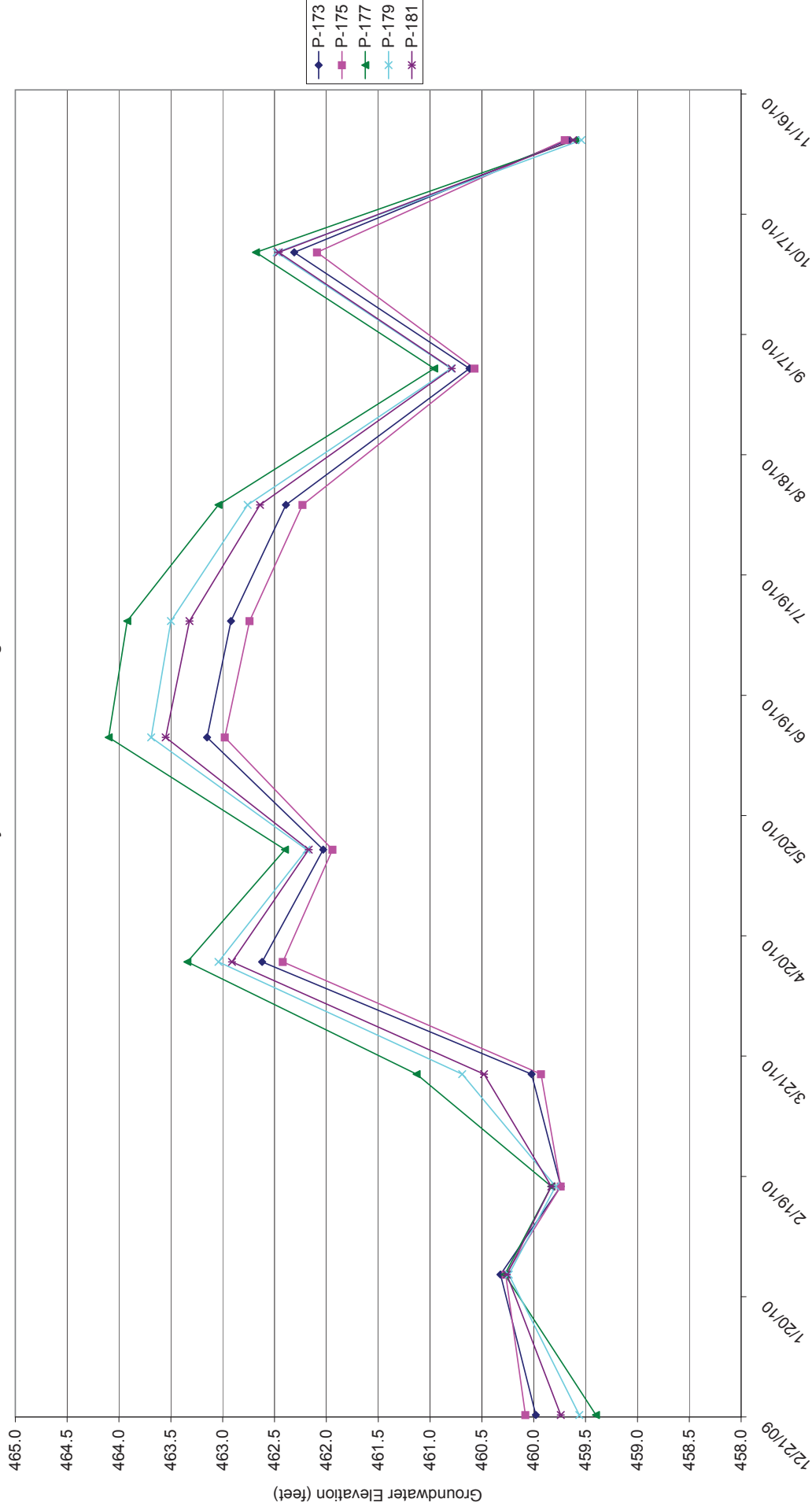


*Anomalous reading for P-169 on 2/16/10 believed attributable to measurement error.

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**Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri**

Monthly Water Level Monitoring

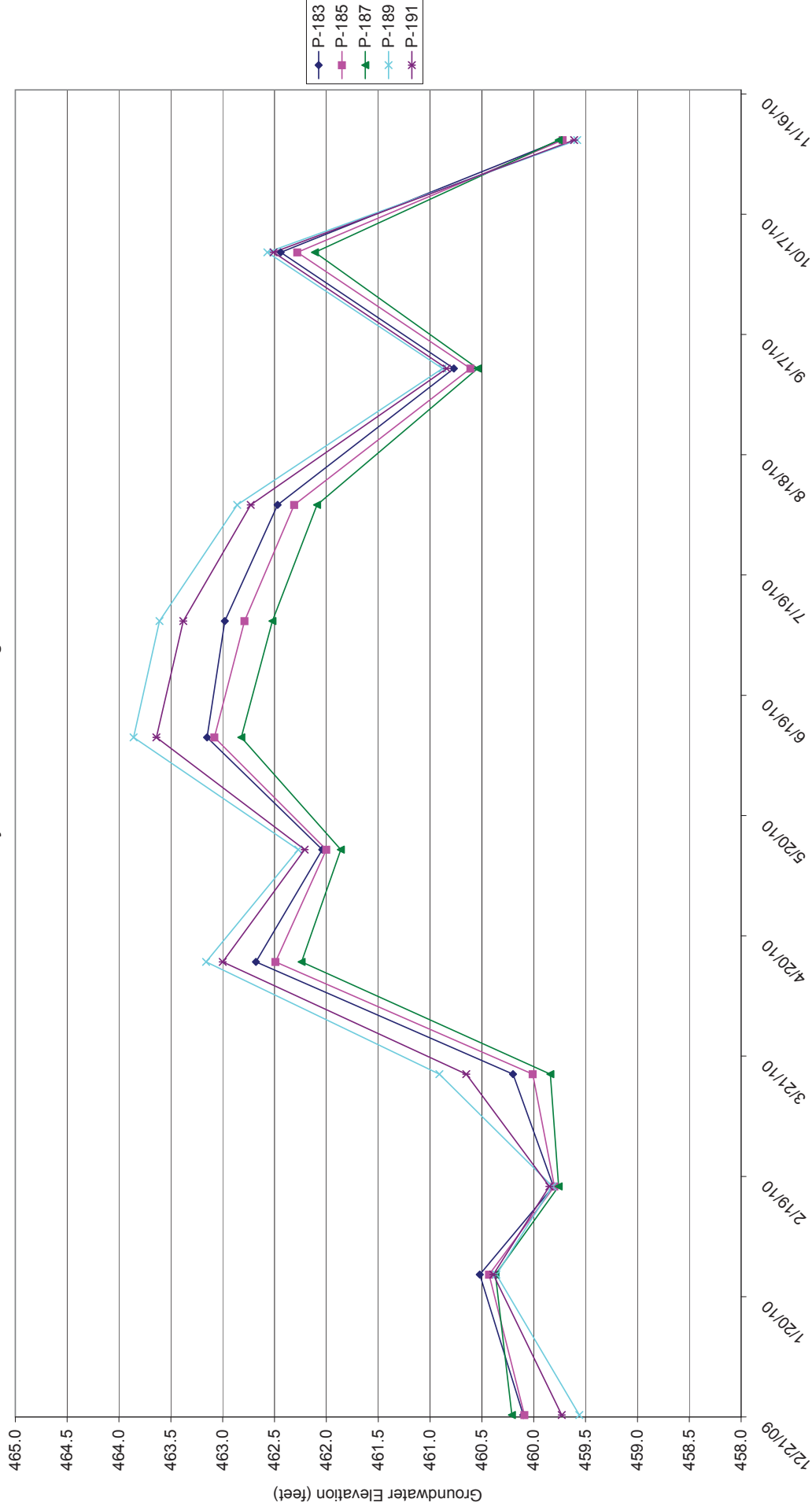


Monitoring Date

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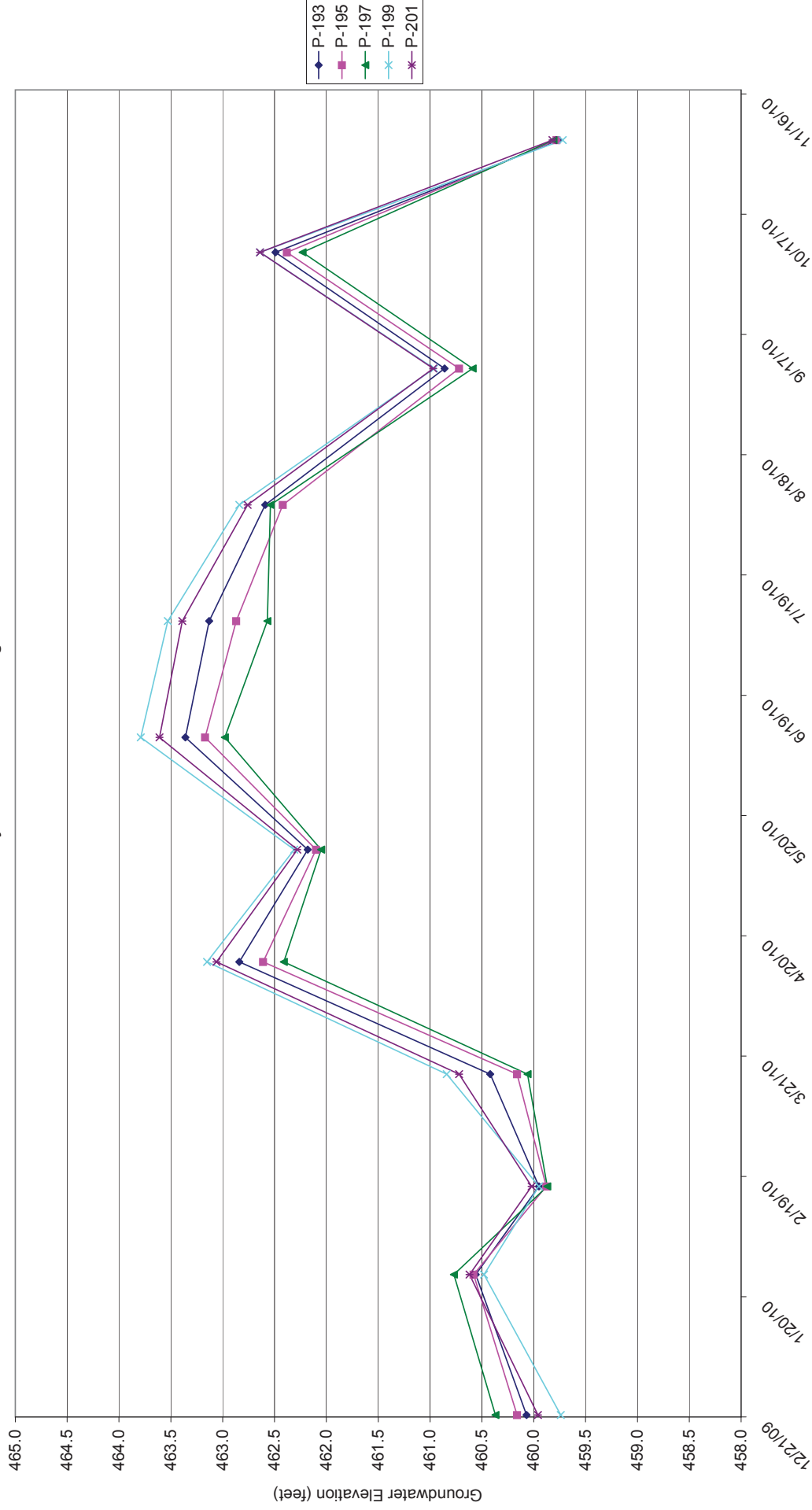
Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri

Monthly Water Level Monitoring

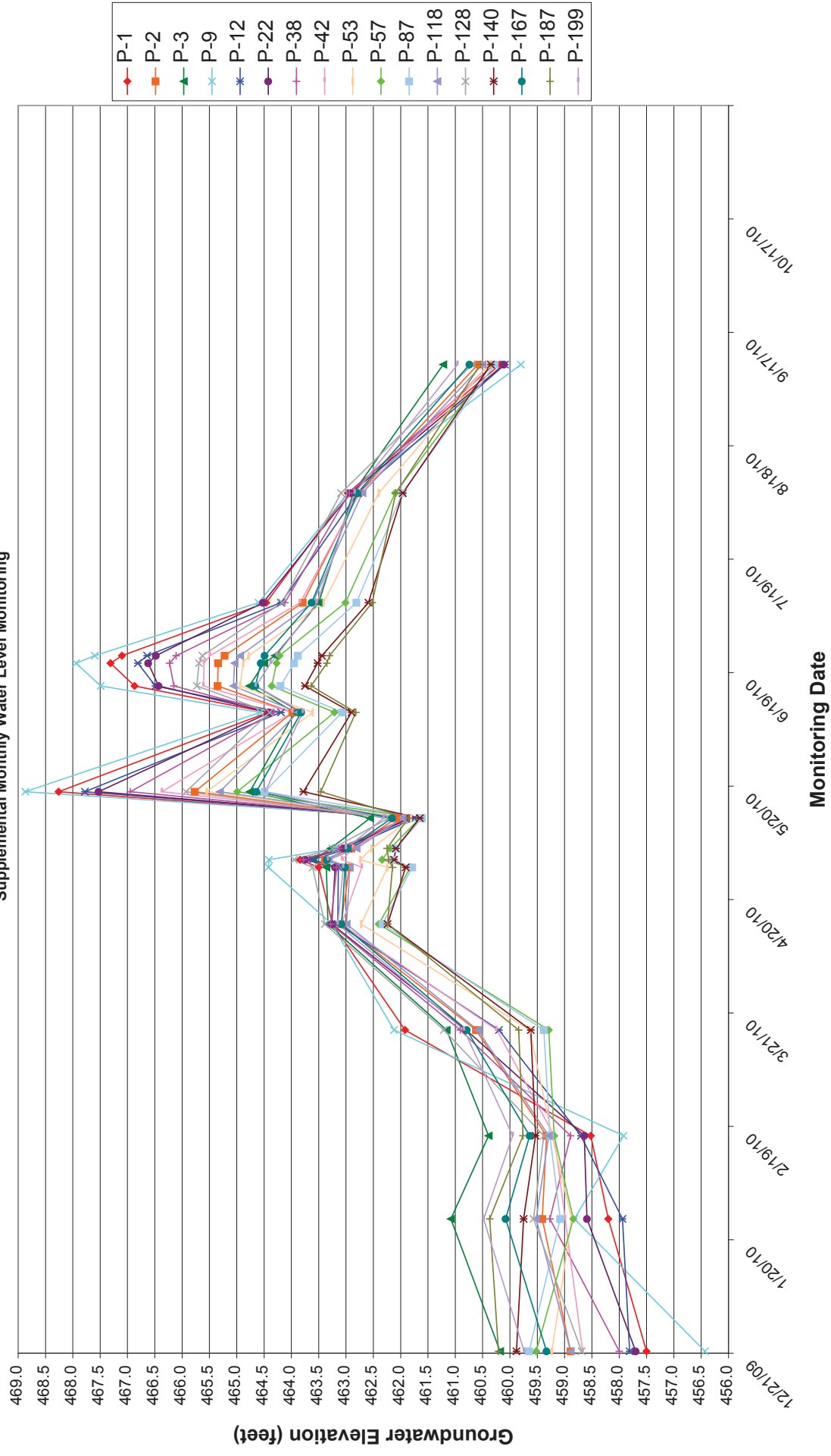


**Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant
Franklin County, Missouri**

Monthly Water Level Monitoring



Supplemental Monthly Water Level Monitoring

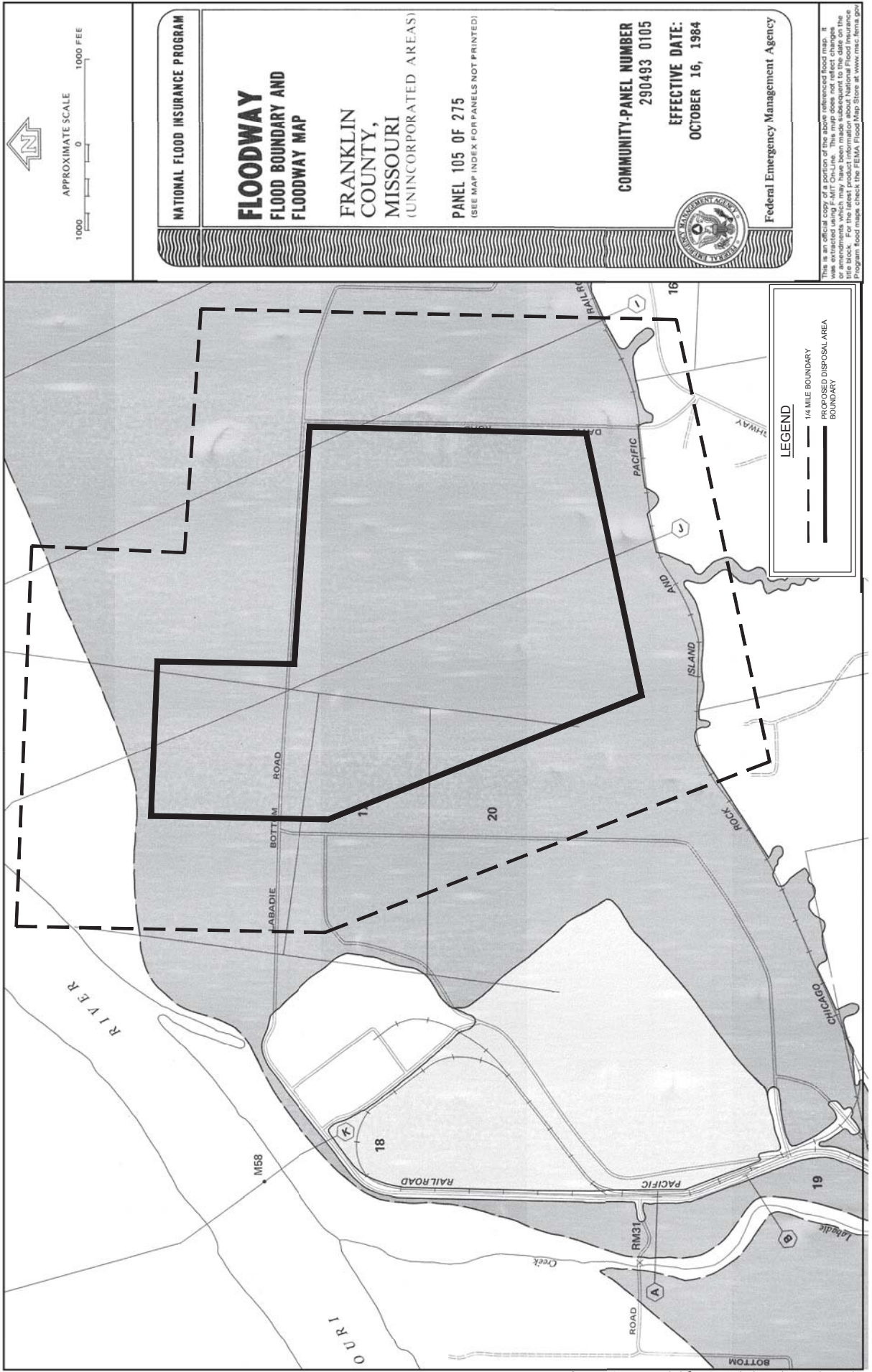


Appendix 11

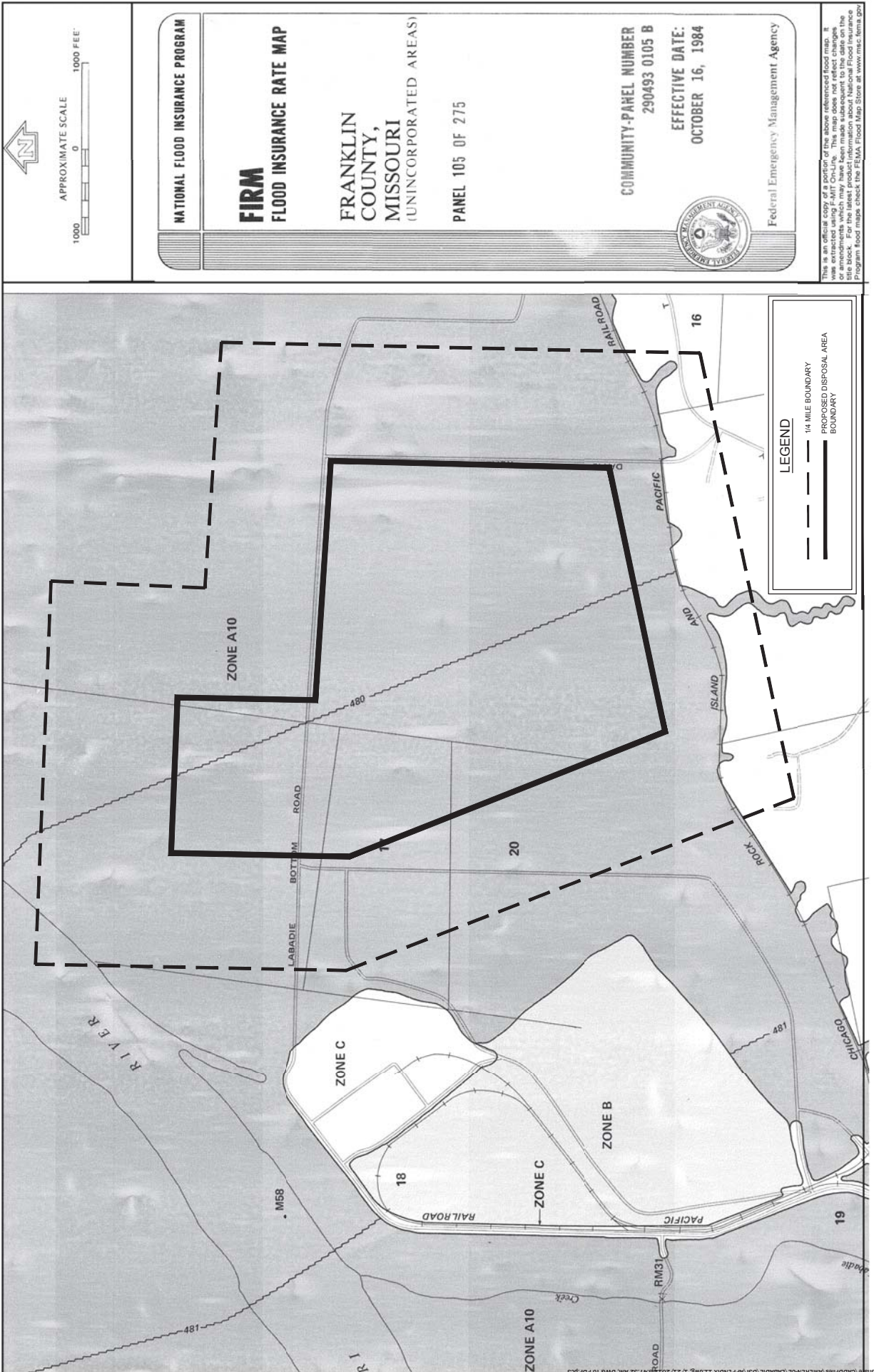
Supplemental Data: Floodway and FIRM Maps

Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant

Prepared by: GREDELL Engineering Resources, Inc.



This is an official copy of a portion of the above referenced Flood Map. It is not to be used for any purpose other than the one for which it was prepared. Any use of this map for any other purpose is at the user's risk. The user assumes all liability for any damage or loss resulting from the use of this map. For the latest product information about National Flood Insurance Program Flood Maps, check the FEMA Flood Map Store at www.fema.gov.



Appendix 12

Supplemental Data: Water Well Information

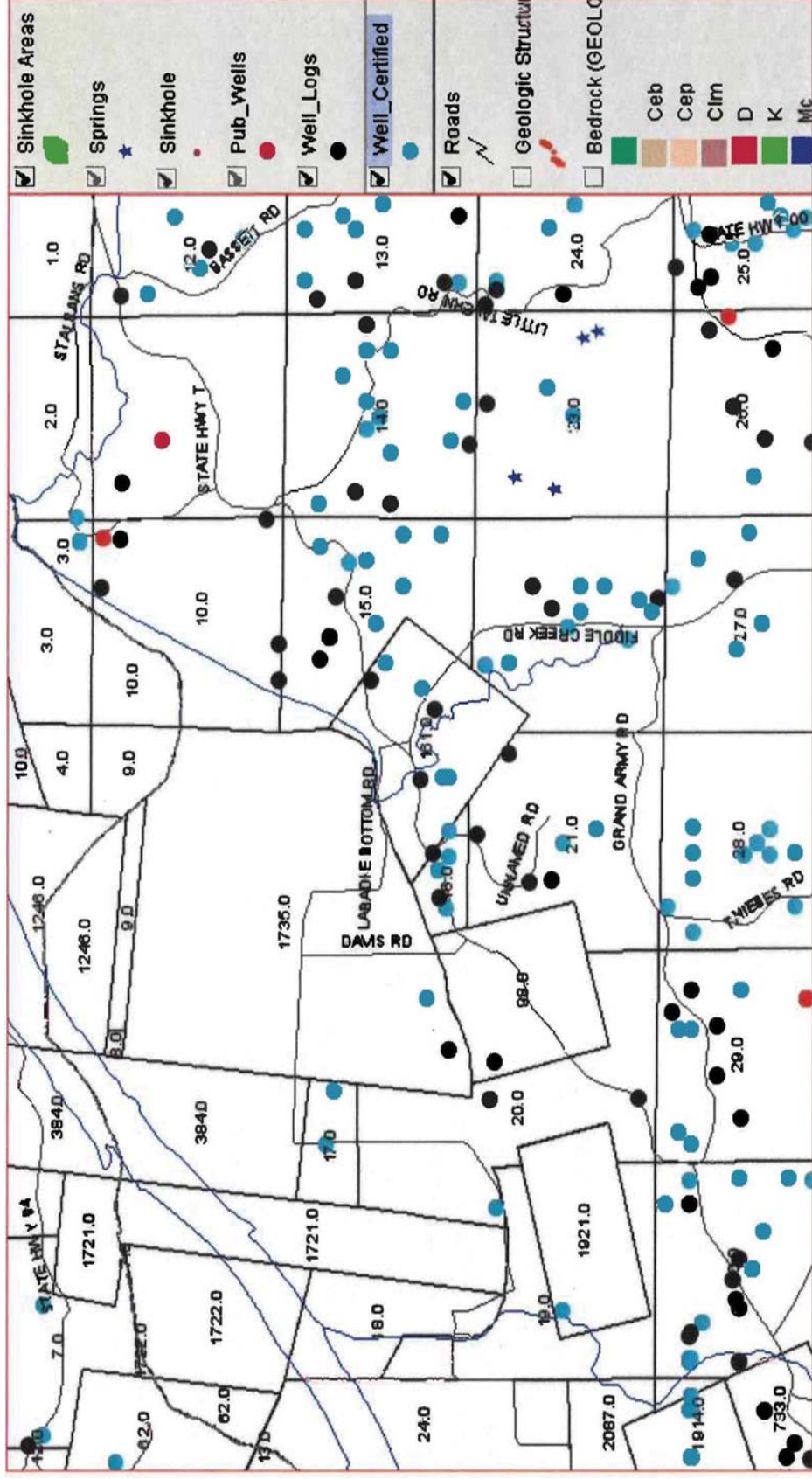
Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant

Prepared by: GREDELL Engineering Resources, Inc.

Detailed Site Investigation Proposed Utility Waste Disposal Area Ameren Missouri Labadie Power Plant

Appendix 12 – Supplemental Data

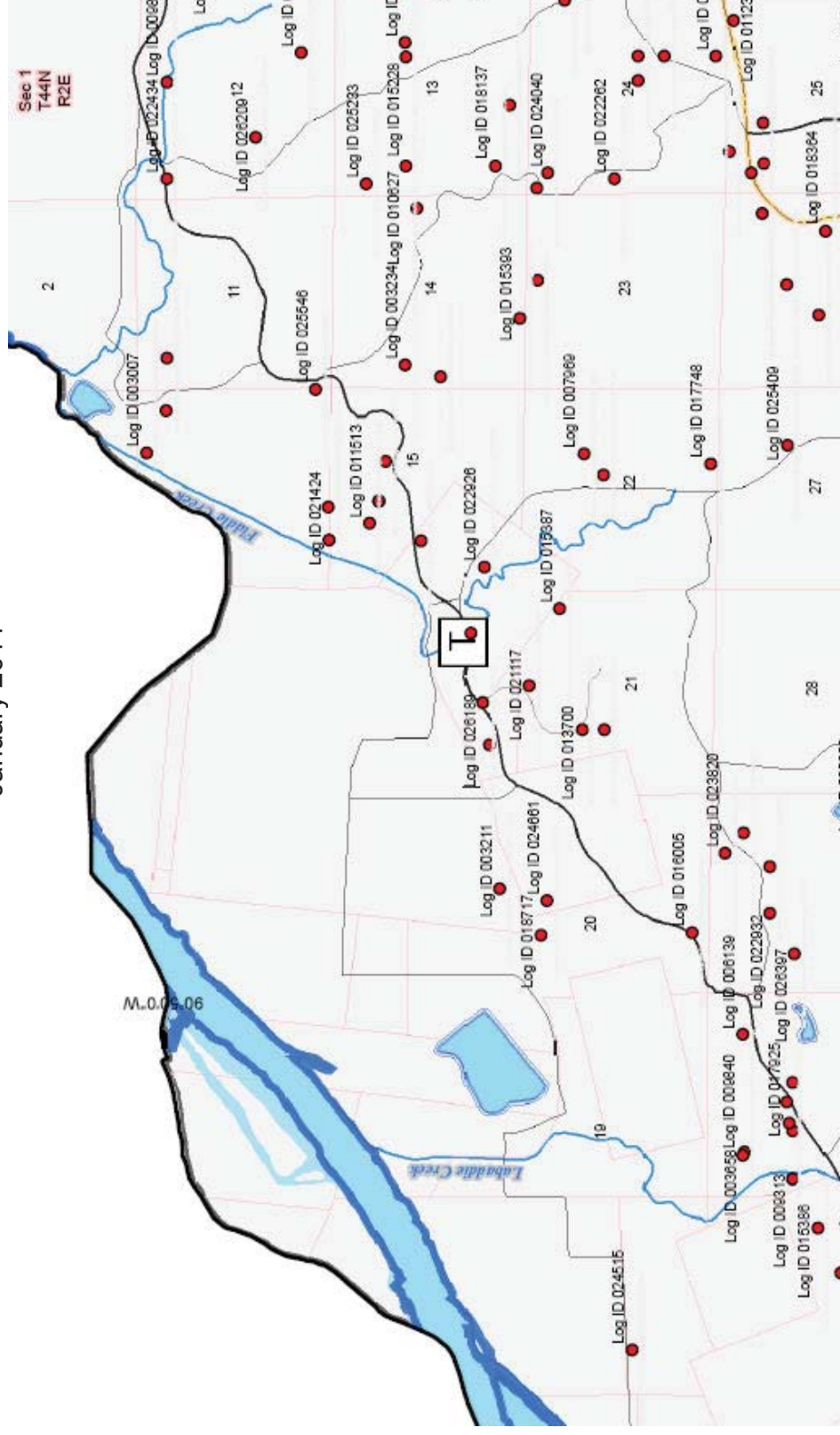
Information for wells located south and east of proposed ULF boundaries
(from MEGA, 2007)
January 2011



Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Missouri Labadie Power Plant

Appendix 12 – Supplemental Data

Information for wells located south and east of proposed ULF boundaries
(from MDNR-Water Resources Center 2010)
January 2011



Water Well Data Summary

Appendix 12 - Supplemental Data

Well #		Well ID	Well Type	Well Owner	Location T44N, R2E	Date Drilled	Collar Elev.	TD (ft)	Yield (gpm)	SWL (ft)	Depth (ft)	Casing (ft)	Platinn LS Depth Elev.	Joachim Dol. Depth Elev.	St. Peter SS Depth Elev.	Powell Dol. Depth Elev.	Cotter-Jeff City Dol. Depth Elev.	Roubidoux Fm. Depth Elev.	Gasconade Dol. Depth Elev.	Remarks																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
1	003211	Ind. High Capacity	Franklin Co. Distillery		LG1735	1934	534	690	NI	80	454	NI	NP	NP	NP	NP	NP	100-470	439	630-690	-96	Drilled in Alluvium?																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
2	018171	Private	Heisel, James		Sec.20	1959	539	225	20	135	404	72	467	NP	NP	NP	NP	60-225	474	NDE	NDE	Cag Depth = Cotter/JC																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
3	024661	Private	Kopsky, J.		LG98	1966	591	257	44	NI	97	494	NP	NP	NP	NP	175-257	416	NDE	NDE	Cag Depth = Powell																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
4	016005	Private	Koelling, James		Sec.20	1957	619	640	23	140	479	70	549	NP	NP	NP	150-550	469	NDE	NDE	Cag Depth = Powell																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
5	023820	Private	Hansel		Sec.29	1965	550	155	12	25	525	46	504	NP	NP	NP	120-155	440	NDE	NDE	Cag Depth = St. Peter																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
6	092334	Private	Davis, Joseph		Sec.21	1946	645	438	20	80	585	50	595	NP	NP	NP	150-550	515	NDE	NDE	Cag Depth = Powell																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
7	013700	Private	Schultz, E. - Well #1		Sec.21	1955	583	455	9	285	278	21	542	NP	NP	NP	130-430	515	NDE	NDE	Cag Depth = Joachim																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
8	0226184	Private	Newman, Marvin		Sec.16	1964	575	310	NI	105	470	86	489	NP	NP	NP	190-430	385	NDE	NDE	Cag Depth = St. Peter																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
9	026189	Private	Stettes, Carl		Sec.16	1967	644	380	15	NI	81	563	NP	NP	NP	NP	235-380	409	NDE	NDE	Cag Depth = Powell																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
10	021117	Private	Bohren, H.E.		Sec.21	1962	560	382	17	120	440	103	467	NP	NP	NP	90-382	470	NDE	NDE	Cag Depth = Powell																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
11	025387	Private	Weisler, William		Sec.21	1956	524	225	13	50	474	167	357	10-85	514	85-195	439	195-225	329	NDE	NDE	Cag Depth = Joachim																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
12	025645	Private	Hassler, William		LG161	1967	490	NI	15	NI	91	399	NI	NI	NI	NP	NI	NI	NI	NI	NI	Cag Depth = Joachim																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
13	022926	Private	Elzemeyer, E.E.		LG161	1964	535	215	40	45	490	109	426	NP	NP	NP	NP	95-215	440	NDE	NDE	Cag Depth = Cotter/JC																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
14	07969	Private	Sachs, S.E.		Sec.22	1942	527	815	NI	280	267	94	433	NP	NP	NP	200-300	327	710-815	-183	Cag Depth = Joachim																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
15	019591	Private	Penn, William		Sec.22	1961	579	200	15	NI	NI	NI	NP	NP	NP	NP	0-200	579	NDE	NDE	Cag Depth = Joachim																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
16	017748	Private	Smith, Jesse		Sec.22	1958	522	347	17	45	477	90	432	NP	NP	NP	50-75	472	NDE	NDE	Cag Depth = Powell																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
17	021671	Private	Schultz, Walter		Sec.15	1962	583	303	15	80	503	48	535	NP	NP	NP	NP	145-150	438	NI	NI	Cag Depth = St. Peter?																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
18	021424	Private	Link, Theodore C.		Sec.15	1962	667	419	18	198	469	77	590	25-40	642	40-137	627	137-260	530	NP	NP	Cag Depth = Joachim																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
19	015374	Private	Ohmeyer, Fred		Sec.10	1956	763	838	50	210	553	20	743	15-35	823	35-165	673	285-360	553	73	NDE	NDE	Cag Depth = Platin																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
20	011513	Ind. High Capacity	Shell Pipeline Company		Sec.15	1951	709	888	28	280	449	315	394	669	80-185	629	185-295	524	295-375	414	375-668	-56	Cag Depth = Powell																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
21	002927	Private	Haines, (Dr.) - Well #1		Sec.15	NI	684	330	25	75	609	32	652	15-75	669	75-190	605	190-303	379	NDE	NDE	Cag Depth = Platin																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
22	011324	Private	Stettes, Alfred A.		Sec.15	1949	757	342	9	270	487	22	735	10-130	747	130-245	827	245-342	512	NDE	NDE	Cag Depth = Platin																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
23	03236	Private	Funsten, R.F. - Well #2		Sec.14	1935	781	400	NI	284	497	190	591	70-180	711	180-300	601	300-400	481	NDE	NDE	Cag Depth = Joachim																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
24	003234	Private	Funsten, R.F. - Well #1		Sec.14	1935	551	100	15	30	521	43	508	NP	NP	NP	23-65	65-100	486	NDE	NDE	Cag Depth = Joachim																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
25	025546	Private	St. Albens Farm Inc.		Sec.10	1967	580	195	15	95	485	45	535	NP	NP	NP	20-70	560	70-195	510	NDE	NDE	Cag Depth = Joachim																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
26	015282	PWS	St. Albens W & S Auth.		Sec. 11	NI	NI	1115	NI	NI	480	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	Proposed																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
27	10645	Private	Pretz, Arthur W. (Dr.)		Sec.11	1947	729	250	15	NI	86	643	5-185	724	NP	185-250	544	NDE	NDE	NDE	Cag Depth = Platin?																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
28*	010156	Ind. High Capacity	St. Albens W & S Auth.		Sec.10	1947	490	753	100	25	465	130	360	NP	NP	NP	70-150	420	150-210	340	210-600	280	800-753	-110	NDE	NDE	Plugged																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
29*	010156	Ind. High Capacity	St. Albens Farm Inc.		Sec.10	1947	490	753	100	25	465	130	360	NP	NP	NP	NP	70-150	420	150-210	340	210-600	280	800-753	-110	NDE	NDE	Plugged																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
30	003007	Community Well	Chl., Rock Is. & Pac. RR.		Sec.10	1923	479	350	60	NI	NI	NI	NI	NP	NP	NP	0-15	479	15-85	464	NP	85-330	394	NDE	NDE	NDE	NDE	Cag Depth = St. Peter																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
31	012120	PWS Well	St. Albens W & S Auth.		Sec. 2	1992	NI	1450	420	NI	550	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI

Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Missouri Labadie Power Plant
Franklin County, Missouri

Water Well Data Summary
Appendix 12 - Supplemental Data

Well #	Well ID	Well Type	Well Owner	Location T44N, R2E	Date Drilled	Collar Elev.	TD (ft)	Yield (gpm)	SWL (ft)		Casing (ft)		Plattin LS		Joachim Dol.		St. Peter SS		Powell Dol.		Cotter-Jeff City Dol.		Roubidoux Fm.		Gasconade Dol.		Remarks
									Depth	Elev.	Depth	Elev.	Depth	Elev.	Depth	Elev.	Depth	Elev.	Depth	Elev.	Depth	Elev.	Depth	Elev.	Depth	Elev.	
46	12536	Private	Brinkman, Michael	Sec. 22	1989		311	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI		
47	65050A	Private	Gugnon, Elizabeth	Sec. 22	1992	510	300	12	20	490	80	430	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI		
48	126362A	Private	Ware, Paul	Sec. 22	1995	NI	440	20	300	NI	82	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI		
49	58404A	Private	Ploch, Henry	Sec. 22	1991	560	342	15	70	490	109	451	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI		
50	128683A	Private	Giles, Clarence	Sec. 22	1995	NI	405	20	100	NI	143	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI		
51	38987A	Private	Ploch, Michael	Sec. 22	1990	520	342	10	40	480	80	440	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI		
52	2517A	Private	Schlichter, Jerome	Sec. 22	1987	600	350	30	100	500	80	520	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI		
53	2518A	Pump	Schlichter, Jerome	Sec. 22	1987	NI	350	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI		
54	128582A	Private	Fobian, James	Sec. 15	1994	640	300	100	60	580	245	395	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI		
55	11549A	Private	Barnoski, Danny	Sec. 15	1988	600	250	30	140	460	82	518	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI		
56	143745A	Private	Cordry, Rich	Sec. 15	1995	NI	315	20	75	NI	80	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI		
57	87927A	Private	Werner, David	Sec. 15	1992	540	400	25	110	430	126	414	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI		
58	15487A	Private	Fobian, James	Sec. 15	1989	620	300	30	80	540	120	500	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI		
59	1781A	Private	Glavin, Jim	Sec. 15	1987	580	240	20	130	450	61	519	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI		
60	3359A	Private	Hoofman, Terry	Sec. 15	1987	560	350	15	260	300	80	480	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI		
61	97030A	Private	Chura Construction	Sec. 15	1994	NI	285	15	200	NI	80	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI		
62	6877A	Private	Abraham, David	Sec. 14	1988	560	210	30	20	540	80	480	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI		
63	150329A	Private	Nelson, Rose Ann	Sec. 14	1995	640	354	30	NI	NI	80	560	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI		
64	281696	Private	Carrico	Sec. 21	NI	540	445	60	120	420	220	320	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI		
65	290785	Private	McAtee	Sec. 21	NI	NI	350	24	55	NI	100	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI		
66	236293	Private	Wedmier	Sec. 22	NI	520	62	75	24	496	62	458	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	Irrigation Well	
67	366517	Private	Pabis	Sec. 22	NI	NI	300	45	105	NI	300	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI		
68	NI	Private	NI	LG98	2009	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	Noted during DSI Inwest.	
69	NI	Ind. High Capacity	Ameren Missouri	Sec. 18	1971	NI	105	NI	NI	NI	NI	NI	NDE	NDE	NDE	NDE	NDE	NDE	NDE	NDE	NDE	NDE	NDE	NDE	NDE		
70	NI	Ind. High Capacity	Ameren Missouri	Sec. 18	1968	NI	105	NI	NI	NI	NI	NI	NDE	NDE	NDE	NDE	NDE	NDE	NDE	NDE	NDE	NDE	NDE	NDE	NDE		
71	NI	Ind. High Capacity	Ameren Missouri	Sec. 18	1968	NI	108	NI	NI	NI	NI	NI	NDE	NDE	NDE	NDE	NDE	NDE	NDE	NDE	NDE	NDE	NDE	NDE	NDE		

Source of Data: MEGA, 2007; MDNR-Water Resources Center, 2010; and MDNR-Wellhead Protection Section, 2010 (see Section 9.0 of DSI Report for Reference Information).

¹. See Figure 1 of DSI Report for approximate Well Location.

². Powell and Cotter Formations not differentiated on Well Data.

³. Plattin and Joachim Formations not differentiated on Well Data.

⁴. Same Well

NI - No Information

NP - Not Present

NDE - Not Deep Enough

Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Missouri Labadie Power Plant

Appendix 12 – Supplemental Data

Information for wells located south and east within one-quarter mile of proposed
UWL boundaries
(from MEGA, 2007 and MDNR-Water Resources Center 2010)
January 2011

Figure 1 Well #1

ID	003211
WELL_TYPE	Industrial High Capacity Well
OWNER	Franklin County Distillery Well #1
DRLDATE	1934/03/01
DRILLDEPTH	690
DEPTHTOBED	100
SWLA	80
SWLB	80
TNSP	0
TNSPDIR	
RNG	0
RNGDIR	
S_OR_LG	LG1735
SCALE	250K
LOC_SOURCE	PLSS PROGRAM
ELEVATION	534
ELEV_SCALE	40
ELEV_COMME	RECORD
UNIT_1	0000/0100 NO SAMPLES [] {}
UNIT_2	0100/0690 ORDOVICIAN SYSTEM [] {}
UNIT_3	0100/0690 CANADIAN (IBEXIAN) SERIES [] {}
UNIT_4	0100/0310 COTTER DOLOMITE [DOLO; CH; SAND] {}
UNIT_5	0310/0470 JEFFERSON CITY DOLOMITE [DOLO; CH;] {}
UNIT_6	0470/0530 NO SAMPLES [] {}
UNIT_7	0530/0540 ROUBIDOUX FORMATION [DOLO; SAND;] {}
UNIT_8	0540/0630 NO SAMPLES [] {}
UNIT_9	0630/0690 GASCONADE DOLOMITE [DOLO; CH;] {}
UNIT_10	0640/0680 NO SAMPLES [] {}
ADD_UNITS	0
H_REMARKS	LABADIE
C_REMARKS	
UTM_X	690049.390427
UTM_Y	4269413.48325

Figure 1 Well #2

ID	018717
WELL_TYPE	Private Well
OWNER	Heisel, James
DRLDATE	1959/11/12
DRILLDEPTH	225
DEPTHTOBED	60
SWLA	135
SWLB	
TNSP	44
TNSPDIR	N
RNG	2
RNGDIR	E
S_OR_LG	20
SCALE	24K
LOC_SOURCE	MAP INTERPOLATION
ELEVATION	539
ELEV_SCALE	40
ELEV_COMME	RECORD
UNIT_1	0000/0060 NO SAMPLES [] {}
UNIT_2	0060/0225 ORDOVICIAN SYSTEM [] {}
UNIT_3	0060/0225 CANADIAN (IBEXIAN) SERIES [] {}
UNIT_4	0060/0225 COTTER DOLOMITE [DOLO; CH; SAND] {Fe2O3; ; }
ADD_UNITS	0
H_REMARKS	2 MI E OF LABADIE; YIELD - 20 GPM @ 160'
C_REMARKS	
UTM_X	689658.377353
UTM_Y	4269073.47491

Figure 1 Well #34

REFNUM	0118736A
WELL_NO	
OWNER_LAST	THOMPSON
OWNER_FRST	TOM
REC_TYPE	H
USE	V
DATE_COMPL	Jun 28, 1995 12:00:00 AM
COUNTY	071
TOTAL_DPTH	150.0
ELEV	0.0
SWL	0.0
W_CASING_L	0.0
W_TEST_YLD	0
FROM_1	0.0
TO_1	35.0
FROM_2	35.0
TO_2	50.0
FROM_3	50.0
TO_3	55.0
FROM_4	55.0
TO_4	150.0
FROM_5	0.0
TO_5	0.0
FROM_6	0.0
TO_6	0.0
FORM_1	OVERBURDEN
FORM_2	LIMESTONE
FORM_3	SHALE
FORM_4	LIMESTONE
FORM_5	
FORM_6	

Figure 1 Well #35

REFNUM	0189167A
WELL_NO	
OWNER_LAST	ROTH
OWNER_FRST	DAVID
REC_TYPE	W
USE	D
DATE_COMPL	Aug 7, 1997 12:00:00 AM
COUNTY	071
TOTAL_DPTH	366.0
ELEV	0.0
SWL	100.0
W_CASING_L	190.0
W_TEST_YLD	20
FROM_1	0.0
TO_1	6.0
FROM_2	6.0
TO_2	42.0
FROM_3	42.0
TO_3	145.0
FROM_4	145.0
TO_4	200.0
FROM_5	2.0
TO_5	366.0
FROM_6	0.0
TO_6	0.0
FORM_1	CLY
FORM_2	LIME/SH
FORM_3	SND
FORM_4	SHALE/LIME
FORM_5	SANDYLIME W/FLT & SND
FORM_6	

Figure 1 Well #36

REFNUM 0143737A
WELL_NO
OWNER_LAST NEWMAN
OWNER_FRST MARVIN
REC_TYPE W
USE D
DATE_COMPL Jul 25, 1995 12:00:00 AM
COUNTY 071
TOTAL_DPTH 31.0
ELEV 540.0
SWL 88.0
W_CASING_L 105.0
W_TEST_YLD 20
FROM_1 0.0
TO_1 55.0
FROM_2 55.0
TO_2 225.0
FROM_3 225.0
TO_3 245.0
FROM_4 245.0
TO_4 315.0
FROM_5 0.0
TO_5 0.0
FROM_6 0.0
TO_6 0.0
FORM_1 OB
FORM_2 LS;BRKN ROCK 70-75
FORM_3 SS
FORM_4 LS
FORM_5
FORM_6

Figure 1 Well #37

REFNUM 0053051A
WELL_NO
OWNER_LAST BARRINGHAUS
OWNER_FRST JACKIE
REC_TYPE W
USE D
DATE_COMPL Nov 8, 1990 12:00:00 AM
COUNTY 071
TOTAL_DPTH 363.0
ELEV 580.0
SWL 100.0
W_CASING_L 121.0
W_TEST_YLD 15
FROM_1 0.0
TO_1 36.0
FROM_2 36.0
TO_2 107.0
FROM_3 107.0
TO_3 108.0
FROM_4 108.0
TO_4 363.0
FROM_5 0.0
TO_5 0.0
FROM_6 0.0
TO_6 0.0
FORM_1 DRT
FORM_2 SS
FORM_3 SH
FORM_4 LM
FORM_5
FORM_6

Report Date: 12/27/2010
Selected By: Township Range Direction
Selection: 44 2 E

Depth: Total depth of the well
Case: Casing depth
Yield: Amount of water the well can produce (gallons per minute)
SWL: Static water level; constant level of water in the well

Legal Description Report

Ref Num	Well Type	Site Address	Business	Last Name	Owner Address	Usage	Depth	SQ	MQ	LQ	Sec	Twn	Rng	Dir	Elev	CaseYield	SWL
00008931	WELL		ST ALBANS WATER&SEWER AUT	THOMAS	2150 HWY FF	PACIFIC	255.0		NW	NW	1	44	2	E	580	90	15.0
00083732	WELL		ST ALBANS WATER & SEWER		150 OLD HWY 100	VILLA RIDGE	1390.0	SE	SE	NE	2	44	2	E	570	550	400.0 288.0
00132628	ABANDONED		LIAM ST ALBANS LLC		8235 FORSYTH BLVD	ST LOUIS	145.0	SE	NW		2	44	2	E			
00386310	ABANDONED	943 ST ALBANS RD	ST ALBANS		8235 FORSYTH BLVD	ST LOUIS	20.7				2	44	2	E		20.7	15.0
00386311	ABANDONED	943 ST ALBANS RD	ST ALBANS		8235 FORSYTH BLVD	ST LOUIS	20.4				2	44	2	E		20.4	15.0
00386312	ABANDONED	943 ST ALBANS RD	ST ALBANS		8235 FORSYTH BLVD	ST LOUIS	20.2				2	44	2	E		20.2	15.0
00386313	ABANDONED	943 ST ALBANS RD	ST ALBANS		8235 FORSYTH BLVD	ST LOUIS	20.2				2	44	2	E		20.2	15.0
00066803	WELL		ST ALBANS COUNTRY CLUB		ST ALBANS RD	ST ALBANS	95.0	SW	NE	SE	3	44	2	E	456	55	1150.0
00132627	ABANDONED		ST ALBANS PROPERTIES		PO BOX 49	ST ALBANS	750.0	SE	SW		3	44	2	E			
00234924	MONITORING		HEAD		943 ST ALBANS RD	ST ALBANS	25.0				3	44	2	E		12.0	
00234925	MONITORING		HEAD		943 ST ALBANS RD	ST ALBANS	25.0				3	44	2	E		12.0	
00234926	MONITORING		HEAD		943 ST ALBANS RD	ST ALBANS	25.0				3	44	2	E		12.0	
00234927	MONITORING		HEAD		943 ST ALBANS RD	ST ALBANS	25.0				3	44	2	E		12.0	
00245254	ABANDONED		HEAD		943 ST ALBANS RD	ST ALBANS	25.0				3	44	2	E			
00227038	WELL	295 TERRY RD		FINLEY	232 TERRY CT	AUGUSTA	306.0	SW	SW	NW	4	44	2	E	640	160	20.0 100.0
00047020	WELL			KOENIG	P O BOX 24	DEFIANCE	240.0				5	44	2	E	146	20.0	90.0
00112925	HEAT PUMP	AUGUSTA SHORES		PETERS HEATING & AIR CONDITIONING	2272 HAMILTON RD	TROY	150.0				5	44	2	E	691		
00376576	WELL	250 TERRY RD	AUGUSTA	HARTWIG	2272 HAMILTON RD	CUBA	400.0		SE	SE	5	44	2	E	268	120	10.0 270.0
00019080	WELL			BALLMANN	1401 DUKE RD	AUGUSTA	550.0		NW	NW	NW	6	44	2	E	780	359
00083901	WELL			BOYD	1254 DUKE ROAD	AUGUSTA	650.0		NW	NE	SE	6	44	2	E	800	295
00108100	WELL			NEILL	144 SHAWNEE VALLEY RD.	MARTHASVILLE	450.0		NE	SE	NE	6	44	2	E	141	60.0
00189500	WELL	1311 DUKE RD		SHAIPER	1311 DYKE ROAD	AUGUSTA	625.0		NE	NE	NW	6	44	2	E	770	296
00006719	WELL			NORDEN	13 WARWICK DR.	ST CHARLES	185.0		SE	SW	NE	7	44	2	E	560	80
00116081	HEAT PUMP				HWY 94 S	AUGUSTA	200.0		SW	SW	NW	7	44	2	E		12.0 80.0
00361016	WELL			BRUNGES	4460 AUGUSTA SHORES DR	AUGUSTA	31.0		SW	SW	NW	8	44	2	E	470	92
00501766	MONITORING	226 LABADIE POWER PLANT RD	LABADIE	AMEREN	1901 CHOUTEAU AVE	ST LOUIS	35.0				8	44	2	E	465	5.0	
00501767	MONITORING	226 LABADIE POWER PLANT RD	LABADIE	AMEREN	1901 CHOUTEAU AVE	ST LOUIS	35.0				8	44	2	E	465	5.0	
00501768	MONITORING	226 LABADIE POWER PLANT RD	LABADIE	AMEREN	1901 CHOUTEAU AVE	ST LOUIS	35.0				8	44	2	E	465	5.0	
00501769	MONITORING	226 LABADIE POWER PLANT RD	LABADIE	AMEREN	1901 CHOUTEAU AVE	ST LOUIS	35.0				8	44	2	E	465	5.0	
00501770	MONITORING	226 LABADIE POWER PLANT RD	LABADIE	AMEREN	1901 CHOUTEAU AVE	ST LOUIS	35.0				8	44	2	E	465	5.0	
00501771	MONITORING	226 LABADIE POWER PLANT RD	LABADIE	AMEREN	1901 CHOUTEAU AVE	ST LOUIS	35.0				8	44	2	E	465	5.0	
00501772	MONITORING	226 LABADIE POWER PLANT RD	LABADIE	AMEREN	1901 CHOUTEAU AVE	ST LOUIS	35.0				8	44	2	E	465	5.0	
00501773	MONITORING	226 LABADIE POWER PLANT RD	LABADIE	AMEREN	1901 CHOUTEAU AVE	ST LOUIS	35.0				8	44	2	E	465	5.0	
00501774	MONITORING	226 LABADIE POWER PLANT RD	LABADIE	AMEREN	1901 CHOUTEAU AVE	ST LOUIS	35.0				8	44	2	E	465	5.0	
00501776	MONITORING	226 LABADIE POWER PLANT RD	LABADIE	AMEREN	1901 CHOUTEAU AVE	ST LOUIS	35.0				8	44	2	E	465	5.0	
00501949	MONITORING	226 LABADIE POWER PLANT RD	LABADIE	AMEREN	1901 CHOUTEAU AVE	ST LOUIS	35.0				8	44	2	E	465	5.0	
00501950	MONITORING	226 LABADIE POWER PLANT RD	LABADIE	AMEREN	1901 CHOUTEAU AVE	ST LOUIS	35.0				8	44	2	E	465	5.0	
00024568	ABANDONED	1179 HWY T		ENBRIDGE ENERGY / GEOTECHNOLOGY	2235 SOW DRIVE	ST LOUIS	20.0				10	44	2	E		300	60.0
00432621	WELL			MOEBIUS	3451 ST ALBANS RD	ST ALBANS	590.0				10	44	2	E	740	480	1000.0
00337598	WELL	ST ALBANS MO		FRANKLIN COUNTY - ST A PWSO	#P.O BOX 160	VILLA RIDGE	1115.0	NE	SE	NW	11	44	2	E	800	0.0	271.0
00441177	ABANDONED			MAZZOLA	3298 ROCK SPRINGS RD	PACIFIC	195.0				11	44	2	E		100	30.0
00445828	WELL			MAZZOLA	3298 ROCK SPRINGS RD	PACIFIC	206.0				11	44	2	E		500	80
00014314	WELL			OVERHAUS	3233 ROCK SPRINGS RD	PACIFIC	200.0	SW	NW	NW	12	44	2	E		84	
00083146	WELL			GAMBARO	2021 EDWARDS ST.	ST LOUIS	270.0				12	44	2	E			
00135016	WELL			HATCHER	3365 BASSETT RD	PACIFIC	170.0		NE	NW	NW	12	44	2	E	650	122
00151137	WELL			STETTES	3201 BASSETT RD	PACIFIC	420.0		NW	SW	NW	12	44	2	E	520	280
00318167	WELL			DRESSER	955 GREEN PARK RD	PACIFIC	590.0		SE	NW	NW	12	44	2	E	650	484
00000744	WELL			BYRNES	3606 BASSETT WOODS	PACIFIC	321.0		SE	SW	NW	12	44	2	E	163	18.0
00000745	WELL			BYRNES	3606 BASSETT WOODS	PACIFIC	425.0		SE	SE	SE	13	44	2	E	160	18.0
00389931	WELL			HARTIN	3491 BOUZUCT RD	PACIFIC	344.0		SW	NE	SE	13	44	2	E	80	25.0
00049402	WELL			CROSS	212 KILLARNEY DRIVE	PACIFIC	400.0		NE	SE	SE	13	44	2	E	82	30.0
00060465	WELL			WILSON	3575 BASSETT	PACIFIC	396.0		NE	NW	SE	13	44	2	E	140	15.0
00069201	WELL			WORLEY	620 W UNION	PACIFIC	375.0		NW	NW	SE	13	44	2	E	191	20.0
00075672	WELL			BOXDORFER	434 HENRY'S	PACIFIC	336.0		SW	NW	SE	13	44	2	E	82	20.0
00077044	WELL			COOPER	218 CHESTERFIELD IND BLVD	CHESTERFIELD	385.0		SW	NW	SE	13	44	2	E	80	12.0
00089899	WELL			COOPER	218 CHESTERFIELD INDUSTRIAL	CHESTERFIELD	385.0		SW	NW	SE	13	44	2	E	80	12.0
00094909	WELL			HATCHER	3365 BASSETT	PACIFIC	404.0					13	44	2	E	122	25.0
00153680	WELL			GRELLNER	111 CEDARWOOD LANE	PACIFIC	346.0		NE	SW	SE	13	44	2	E	100.0	
00170337	WELL			GRELLNER	RT 1 CEDARWOOD LANE	PACIFIC	340.0		NE	NE	SE	13	44	2	E	100	20.0
00197490	WELL			LONG	227 SHANNON WAY	PACIFIC	465.0					13	44	2	E	120	20.0

Report Date: 12/27/2010

Selected By: Township Range Direction

Selection: 44 2 E

Depth: Total depth of the well

Case: Casing depth

Yield: Amount of water the well can produce (gallons per minute)

SWL: Static water level; constant level of water in the well

Legal Description Report

Ref Num	Well Type	Site Address	Business	Last Name	Owner Address	Usage	Depth SQ	MQ	LQ	Sec	Twn	Rng	Dir	Elev	CaseYield	SWL	
00237356	WELL			WALSH	3615 BASSETT RD	PACIFIC	266.0	SE	NW	13	44	2	E	120	20.0	160.0	
00297381	WELL			HEITKAMP	PO BOX 167	ST ALBANS	506.0			13	44	2	E	120	40.0	137.0	
00343811	WELL			ANICH	911 RIDGE ROAD	BALLWIN	490.0	NE	NW	SE	13	44	2	E	700	460	30.0
00005868	WELL			CORDES	489 FOREST RIDGE LN	PACIFIC	414.0			14	44	2	E	84	20.0		
00006877	WELL			ABRAHAM	#5 WILDWAY CIRCLE	MANCHESTER	210.0	SW	NW	NW	14	44	2	E	560	80	30.0
00010876	WELL			HANNEKAN	9 BUFFALO RD	WASHINGTON	383.0	SW	SE	NE	14	44	2	E	640	80	14.0
00014312	WELL			HENNESSEY	4063 HENNESSEY LN	PACIFIC	460.0	SW	SW	SE	14	44	2	E	103	25.0	200.0
00041774	WELL			KEN FRIEDHOFF	1374 CLARKSONCLAYTON CTR.,	BALLWIN	440.0	SW	SE	NE	14	44	2	E	590	80	15.0
00054712	WELL			JACOBS	LOT 10-B	ST. ALBANS	195.0	SE	SE	NW	14	44	2	E	640	80	20.0
00066705	WELL			MARINO	3777 LITTLE TAVERN RD	PACIFIC	420.0	SW	SE	NE	14	44	2	E	640	80	15.0
00078870	WELL			LENZ	LOT #6 BRIDALSPUR EST	PACIFIC	605.0			14	44	2	E	80	25.0	300.0	
00094919	WELL			SCHOCKLEE	9 FAIRFIELD	ST. ALBANS	321.0			14	44	2	E	80	22.0	400.0	
00126226	WELL			JONES	16530 WINTER LOAF	BALLWIN	354.0			14	44	2	E	80	30.0	260.0	
00150329	WELL	#12 FAIRFIELD ST ADAMS MO 6307		NELSON	BOX 221	ST ALBANS	354.0	NW	NE	SW	14	44	2	E	80	15.0	270.0
00150648	WELL	LOT 8A FAIRFIELD FMS,ST ALBANS		GORSKI	209 HARBOUR POINTE DRIVE	GROVER	395.0			14	44	2	E				
00194113	ABANDONED			SCHNEIDER	3675 LITTLE TAVERN RD	PACIFIC				14	44	2	E				
00273074	WELL			RANKIN	665 FOREST RIDGE LANE	LABADIE	526.0		SE	SW	14	44	2	E	120	30.0	190.0
00307296	WELL			SCHNEIDER	3675 LITTLE TAVERN RD	PACIFIC	425.0	NE	SW	NE	14	44	2	E	680	260	35.0
00308920	WELL	LT 1 HIDDEN SPRINGS PACIFIC		ROTH	3773 LEMAY WOODS DR	ST LOUIS	457.0			14	44	2	E	80	25.0	160.0	
00310065	WELL	3779 LITTLE TAVERN RD PACIFIC		ROSEMANN	3779 LITTLE TAVERN RD	PACIFIC	300.0	NW	NE	SE	14	44	2	E	660	126	30.0
00341336	WELL	343 FAIRFIELD RIDGE DR PACIFIC		SMITH	15902 WEATHERBURN	CHESTERFIELD	500.0			14	44	2	E	189	22.0	150.0	
00001781	WELL			GLAVIN	436 SORRENTO DR	MANCHESTER	240.0	SW	SE	NE	15	44	2	E	580	61	20.0
00003359	WELL			HOOFMAN	FAIRFIELD FARM RD	LABADIE	350.0	NW	SE	NE	15	44	2	E	560	80	15.0
00011549	WELL			BARNOSKI	3333 BASSETT RD	PACIFIC	250.0	SE	NW	SE	15	44	2	E	600	82	30.0
00015487	WELL			FOBIAN	4400 BEETHOVEN	ST LOUIS	300.0	SE	NE	SE	15	44	2	E	620	120	30.0
00097030	WELL			CHURA CONSTRUCTION	4814 COLONY CHURCH RD. #2	ST LOUIS	285.0		NE	NE	15	44	2	E	80	15.0	200.0
00128582	WELL			FOBIAN	1260 FIDDLE CREEK RD.	LABADIE	300.0	SE	SE	SE	15	44	2	E	640	245	100.0
00143745	WELL	LABADIE		CORDRY	1140 HWY T	LABADIE	315.0			15	44	2	E	80	20.0	75.0	
00018725	WELL			GAMBARO	33 OWL CREEK	LABADIE	406.0	SE	SW	SE	16	44	2	E	540	84	40.0
00053051	WELL			BARRINGHAUS	1 RIVERBEND PLACE	WASHINGTON	363.0	NW	SE	SW	16	44	2	E	580	121	15.0
00209837	PUMP			HIDRITCH	3485 HWY 185	WASHINGTON				16	44	2	E				
00223014	ABANDONED			HIDRITCH	3485 HWY 185	WASHINGTON	265.0			16	44	2	E	14.0			
00347672	WELL	PACIFIC		HAMLTYR	731 HIGHLAND AVE	VALLEY PARK	366.0	SW	SW	SE	16	44	2	E	660	160	20.0
00189167	WELL	HEAT PUMP		THOMPSON	3628 BROWN RD	ST JOHN	150.0			17	44	2	E				
00501775	MONITORING	226 LABADIE POWER PLANT RD	LABADIE	ROTH	1969 FIDDLE CREEK RD	GREY SUMMIT	366.0			17	44	2	E	190	20.0	100.0	
00501777	MONITORING	226 LABADIE POWER PLANT RD	LABADIE		1901 CHOUTEAU AVE	ST LOUIS	MONITORING	35.0		17	44	2	E	5.0			
00501778	MONITORING	226 LABADIE POWER PLANT RD	LABADIE		1901 CHOUTEAU AVE	ST LOUIS	MONITORING	35.0		17	44	2	E	5.0			
00501779	MONITORING	226 LABADIE POWER PLANT RD	LABADIE		1901 CHOUTEAU AVE	ST LOUIS	MONITORING	35.0		17	44	2	E	5.0			
00501780	MONITORING	226 LABADIE POWER PLANT RD	LABADIE		1901 CHOUTEAU AVE	ST LOUIS	MONITORING	35.0		17	44	2	E	28.0			
00501781	MONITORING	226 LABADIE POWER PLANT RD	LABADIE		1901 CHOUTEAU AVE	ST LOUIS	MONITORING	35.0		17	44	2	E	5.0			
00501782	MONITORING	226 LABADIE POWER PLANT RD	LABADIE		1901 CHOUTEAU AVE	ST LOUIS	MONITORING	35.0		17	44	2	E	28.0			
00501783	MONITORING	226 LABADIE POWER PLANT RD	LABADIE		1901 CHOUTEAU AVE	ST LOUIS	MONITORING	35.0		17	44	2	E	5.0			
00501784	MONITORING	226 LABADIE POWER PLANT RD	LABADIE		1901 CHOUTEAU AVE	ST LOUIS	MONITORING	35.0		17	44	2	E	5.0			
00501785	MONITORING	226 LABADIE POWER PLANT RD	LABADIE		1901 CHOUTEAU AVE	ST LOUIS	MONITORING	35.0		17	44	2	E	5.0			
00501786	MONITORING	226 LABADIE POWER PLANT RD	LABADIE		1901 CHOUTEAU AVE	ST LOUIS	MONITORING	35.0		17	44	2	E	5.0			
00501787	MONITORING	226 LABADIE POWER PLANT RD	LABADIE		1901 CHOUTEAU AVE	ST LOUIS	MONITORING	35.0		17	44	2	E	28.0			
00501788	MONITORING	226 LABADIE POWER PLANT RD	LABADIE		1901 CHOUTEAU AVE	ST LOUIS	MONITORING	35.0		17	44	2	E	5.0			
00501789	MONITORING	226 LABADIE POWER PLANT RD	LABADIE		1901 CHOUTEAU AVE	ST LOUIS	MONITORING	35.0		17	44	2	E	5.0			
00501790	MONITORING	226 LABADIE POWER PLANT RD	LABADIE		1901 CHOUTEAU AVE	ST LOUIS	MONITORING	35.0		17	44	2	E	5.0			
00501791	MONITORING	226 LABADIE POWER PLANT RD	LABADIE		1901 CHOUTEAU AVE	ST LOUIS	MONITORING	35.0		17	44	2	E	28.0			
00501792	MONITORING	226 LABADIE POWER PLANT RD	LABADIE		1901 CHOUTEAU AVE	ST LOUIS	MONITORING	35.0		17	44	2	E	5.0			
00501793	MONITORING	226 LABADIE POWER PLANT RD	LABADIE		1901 CHOUTEAU AVE	ST LOUIS	MONITORING	35.0		17	44	2	E	5.0			
00501794	MONITORING	226 LABADIE POWER PLANT RD	LABADIE		1901 CHOUTEAU AVE	ST LOUIS	MONITORING	35.0		17	44	2	E	5.0			
00501951	MONITORING	226 LABADIE POWER PLANT RD	LABADIE		1901 CHOUTEAU AVE	ST LOUIS	MONITORING	35.0		17	44	2	E	465	5.0		
00501952	MONITORING	226 LABADIE POWER PLANT RD	LABADIE		1901 CHOUTEAU AVE	ST LOUIS	MONITORING	35.0		17	44	2	E	465	5.0		
00501953	MONITORING	226 LABADIE POWER PLANT RD	LABADIE		1901 CHOUTEAU AVE	ST LOUIS	MONITORING	35.0		17	44	2	E	465	5.0		
00501954	MONITORING	226 LABADIE POWER PLANT RD	LABADIE		1901 CHOUTEAU AVE	ST LOUIS	MONITORING	35.0		17	44	2	E	465	5.0		
00501955	MONITORING	226 LABADIE POWER PLANT RD	LABADIE		1901 CHOUTEAU AVE	ST LOUIS	MONITORING	35.0		17	44	2	E	465	5.0		
00501956	MONITORING	226 LABADIE POWER PLANT RD	LABADIE		1901 CHOUTEAU AVE	ST LOUIS	MONITORING	35.0		17	44	2	E	465	5.0		

Report Date: 12/27/2010

Selected By: Township Range Direction

Selection: 44 2 E

Depth: Total depth of the well

Case: Casing depth

Yield: Amount of water the well can produce (gallons per minute)

SWL: Static water level; constant level of water in the well

Legal Description Report

Ref Num	Well Type	Site Address	Business	Last Name	Owner Address	Usage	Depth	SQ	MQ	LQ	Sec	Twn	Rng	Dir	Elev	Case	Yield	SWL
00334931	WELL		TOTAL BUILDING	CONCEPTS	5 TREVILLIAN	GLENDALE	340.0	NW	SE	NE	19	44	2	E	480	80	25.0	160.0
00143737	WELL			NEWMAN	HWY 1	LABADIE	315.0	NE	NE	NE	20	44	2	E	540	105	20.0	88.0
00021290	HEAT PUMP			TOKEN	949 GRAND RIDGE	LEBANON	185.0	MO	VERTICAL									
00026339	WELL			LOHRER	274 GERENMAR DR.	BALLWIN	537.0	SW	NW	SE	21	44	2	E	680	80	12.0	490.0
00281696	WELL			CARRICO	1035 FIDDLE CREEK RD	LABADIE	445.0	SE	NW	NE	21	44	2	E	540	220	60.0	120.0
00290785	WELL			MCATEE	1284 GRAND ARMY	LABADIE	350.0	MO	DOMESTIC									
00002517	WELL			SCHLICHTER	916 OLIVE 4TH FLOOR	ST LOUIS	350.0	NE	SE	SW	22	44	2	E	600	80	30.0	100.0
00002518	PUMP			SCHLICHTER	916 OLIVE	ST. LOUIS	350.0	NE	SE	SW	22	44	2	E	600			
00012563	WELL			BRINKMAN	1235 FIDDLE CREEK RD.	LABADIE	311.0	NW	NE	NW	22	44	2	E	520	80	10.0	40.0
00038987	WELL			PLOCH	1482 FIDDLE CREEK RD.	LABADIE	342.0	SE	NW	SE	22	44	2	E	560	109	15.0	70.0
00056404	WELL		LABADIE	PLOCH	1416 FIDDLE CREEK RD	LABADIE	342.0	MO	DOMESTIC									
00065050	WELL			GLUGNON	1349 FIDDLE CREEK RD	LABADIE	300.0	SW	NE	NW	22	44	2	E	510	80	12.0	20.0
00126362	WELL			WARE	416 HENRY'S TRACE	PACIFIC	440.0	MO	DOMESTIC									
00128682	WELL			GILES	1414 FIDDLE CREEK	LEBADIE	405.0	NE	NW	SE	22	44	2	E	82	20.0	300.0	
00176225	HEAT PUMP			DEW	22 SUNRISE HILLS	FLORISSANT	150.0	MO	DOMESTIC									
00236293	WELL			WEDEMIER	1566 FIDDLE RD	LABADIE	62.0	SW	SW	SE	22	44	2	E	520	62	75.0	24.0
00368517	WELL			PABTS	437 SPRING HOUSE VALLEY DR	LABADIE	300.0	MO	DOMESTIC									
00374992	PUMP			PABTS	437 SPRING HOUSE VALLEY	LABADIE	300.0	MO	DOMESTIC									
00085683	WELL			SMITH	621 SCHWEIZ DR	EUREKA	250.0	MO	DOMESTIC									
00300917	ABANDONED			FRANKLIN COUNTY PWSD 3	PO BOX 160	VILLA RIDGE	1020.0	MO	PUBLIC									
00310064	WELL	VICTORIA GARDENS TRAILER PARK	PACIFIC	DAUSTER	4287 ALT RD	PACIFIC	400.0	MO	DOMESTIC									
00310064	WELL	ALT RD CHESTERFIELD		LASKY	440 MISSION BAY DR	GROVER	385.0	MO	DOMESTIC									
00356646	PUMP	320 SPRINGHOUSE VALLEY		LASKY	440 MISSION BAY DR	GROVER	385.0	MO	DOMESTIC									
00368795	WELL			LASKY	440 MISSION BAY DR	GROVER	385.0	MO	DOMESTIC									
00002458	WELL			WESLEY BYRNE CONSTRUCTION	3606 BASSETT WOODS	PACIFIC	390.0	MO	DOMESTIC									
00035508	PUMP			WESLEY BYRNE CONST	3606 BASSETT WOODS	PACIFIC	390.0	MO	DOMESTIC									
00005806	WELL			SMITH	4160 BASSETT ESTATES DR	PACIFIC	285.0	MO	DOMESTIC									
00006131	WELL			INDUSTRIAL CONSTRUCTION I	235 EMERALD VALE DR	BRIDGETON	325.0	MO	DOMESTIC									
00019809	WELL			MULLIGAN	235 OLD MANCHESTER RD	PACIFIC	420.0	MO	DOMESTIC									
00021174	HEAT PUMP			PATCHA	235 OLD MANCHESTER RD	PACIFIC	200.0	MO	VERTICAL									
00047790	WELL		PACIFIC	GRAHAM	4001 LEEANN LN	PACIFIC	325.0	MO	UNKNOWN									
00047800	WELL			MORRELL	4045 LEEANN LN	PACIFIC	305.0	MO	UNKNOWN									
00048845	WELL			LOWE	242 SHANNON WAY	PACIFIC	414.0	MO	UNKNOWN									
00061411	WELL			HUMES	244 KILLARNEY	PACIFIC	411.0	MO	DOMESTIC									
00063380	WELL			ZION OAKFIELD CH CHRIST	2100 FIDDLE CREEK	LABADIE	475.0	SW	SE	NW	24	44	2	E	100	12.0		
00065931	WELL			HOWER	230 KILLARNEY DR.	PACIFIC	363.0	MO	DOMESTIC									
00078868	WELL			MUELLER	LOT #3 FRANKLIN FARMS	PACIFIC	300.0	MO	UNKNOWN									
00078871	WELL			DEMARIA	LOT #4B FRANKLIN FARMS	PACIFIC	300.0	MO	UNKNOWN									
00078894	WELL			SIMS	LOT #5 FRANKLIN FARMS	PACIFIC	325.0	MO	UNKNOWN									
00099797	WELL			MONTGOMERY	160 KILLARNEY	PACIFIC	375.0	MO	DOMESTIC									
00099816	WELL		PACIFIC	SPURLOCK	#8 ALBAN ESTATES	GRAY SUMMIT	400.0	MO	DOMESTIC									
00134089	WELL			CURTIN	135 EMERALD VALE DR	PACIFIC	395.0	MO	DOMESTIC									
00139343	WELL			RHOMBERG	218 KILLARNEY LANE	PACIFIC	455.0	MO	DOMESTIC									
00143773	WELL	218 KILLARNEY LN PACIFIC		BOGHER	4362 LITTLE TAVERN RD	PACIFIC	435.0	MO	DOMESTIC									
00192034	WELL			LONG	227 SHANNON WAY	PACIFIC	345.0	MO	DOMESTIC									
00193299	WELL	ALBANS SUB		THORNTON	5356 ST RD V	WASHINGTON	425.0	MO	DOMESTIC									
00193304	WELL			STETTES	3213 BASSETT ROAD	PACIFIC	465.0	MO	DOMESTIC									
00226972	WELL			BOXERMAN	219 EMERALD VALE DR	PACIFIC	326.0	MO	DOMESTIC									
00253699	WELL			THE BARRY CO	515 HOLSHIRE WAY	BALLWIN	686.0	SE	SW	SE	24	44	2	E	800	120	30.0	340.0
00281096	WELL			KEMPER	236 HICKORY LANE	EUREKA	450.0	MO	DOMESTIC									
00307395	WELL	LOT 1-VATTEROTT FARM RD	PACIFIC	OVERSTREET	193 WHITE PINE ESTS DRIVE	PACIFIC	505.0	NE	SW	SE	24	44	2	E	710	200	35.0	280.0
00005102	WELL			SCHNICK	865 GUNTHER LN	PACIFIC	320.0	MO	DOMESTIC									
00005103	PUMP			SCHNICK	865 GUNTHER LN.	PACIFIC	320.0	MO	DOMESTIC									
00008394	WELL			MCCLARMAN	1412 INDIAN PIPE LANE	GLENCOE	320.0	MO	DOMESTIC									
00008395	PUMP			MCCLARMAN	1412 INDIAN PIPE LANE	GLENCOE	440.0	MO	DOMESTIC									
00015628	WELL			SONTAG	10640 LARK SPUR	ST LOUIS	475.0	MO	DOMESTIC									
00021881	HEAT PUMP			TOTH	ROCKY TOP ESTATES	PACIFIC	190.0	MO	VERTICAL									
00021881	WELL			COKER	LOT #5 MEADOW FOREST LANE	PACIFIC	425.0	SE	SE	NE	25	44	2	E	100	15.0	300.0	
00109145	WELL			RASCHER	6825 BONNIE AVE.	PACIFIC	375.0	NW	NW	SE	25	44	2	E	775	231	25.0	275.0
00126811	WELL			FUSS	2049 HWY 00	PACIFIC	560.0	NW	SE	NW	25	44	2	E	147	10.0	420.0	
00170340	WELL	2183 MEADOW FOREST DR		SISS	1239 GRAND ARMY RD	LABADIE	407.0	NE	NE	NE	25	44	2	E	120	20.0		

Report Date: 12/27/2010

Selected By: Township Range Direction

Selection: 44 2 E

Depth: Total depth of the well

Case: Casing depth

Yield: Amount of water the well can produce (gallons per minute)

SWL: Static water level; constant level of water in the well

Legal Description Report

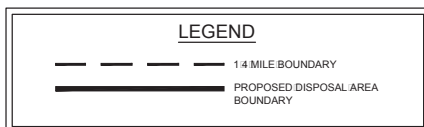
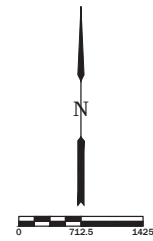
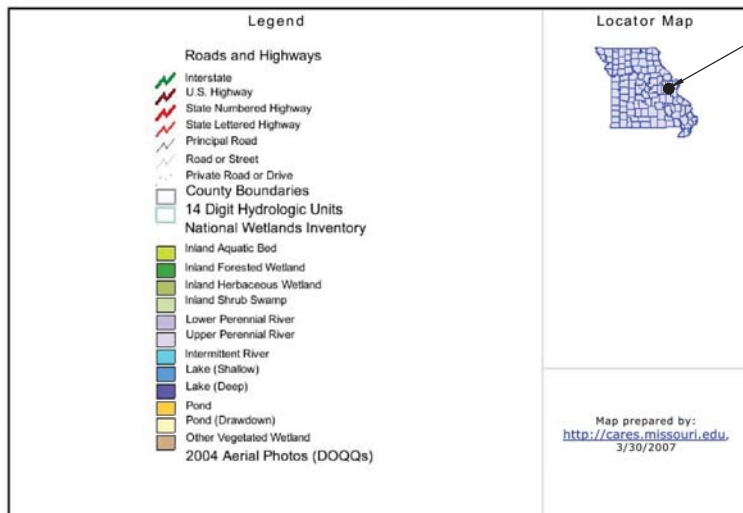
Ref Num	Well Type	Site Address	Business	Last Name	Owner Address	Usage	Depth	SQ	MQ	LQ	Sec	Twn	Rng	Dir	Elev	CaseYield	SWL	
00135063	WELL	RIVER VIEW TR,LABADIE		HORN	2303 HWY T	LABADIE	250.0	SE	NE	NE	30	44	2	E	620	100	20.0 140.0	
00143746	WELL			PARRIS	RIVER VIEW TRAILS	LABADIE	DOMESTIC	270.0								80	20.0 87.0	
00213372	WELL			MORIARTY	733 SILVER FOX LANE	LABADIE	DOMESTIC	186.0	NE	SE	SE	30	44	2	E		140	15.0 60.0
00247630	RECNSSTRUCT			CALDWELL	PO BOX 56	LABADIE	DOMESTIC											
00272810	WELL			CAMPBELL	1133 HARD WOOD RD	DES PERES	225.0	NW	NE	NE	30	44	2	E	600	80	60.0 124.0	
00288003	WELL			SCHULTZE	477 RIVERVIEW DR	LABADIE	DOMESTIC	266.0	SW	NW	NW	30	44	2	E	500	100	20.0 140.0
00289353	WELL			ABERNATHY	PO BOX 561	UNION	DOMESTIC	280.0	SE	NE	SE	30	44	2	E	560	200	40.0 140.0
00298849	ABANDONED				1808 E 5TH ST	WASHINGTON	DOMESTIC	300.0									40.0	200.0
00307293	WELL			SCHMIDT	721 SILVER FOX LANE	LABADIE	265.0	SE	SE	NE	30	44	2	E	560	180	30.0 120.0	
00307305	WELL			JONES	763 SILVER FOX LN	LABADIE	DOMESTIC	305.0	NE	NW	SE	30	44	2	E	540	160	25.0 140.0
00379942	WELL			FARINELLA	1036 HWY 109	WILDWOOD	DOMESTIC	405.0									130	120.0 40.0
00009221	WELL			FOX	PO BOX 9	LABADIE	DOMESTIC	342.0	NE	NW	NW	31	44	2	E	560	80	30.0 120.0
00068496	WELL			WOLFE	2450 MO-PAC RD	LABADIE	325.0	SE	SW	NW	31	44	2	E	540	80	20.0 120.0	
00179474	WELL			FOX	2414 MO PAC RD	LABADIE	DOMESTIC	365.0	SW	NE	NW	31	44	2	E	550	100	20.0 100.0
00227307	WELL			LYNN	PO BOX 117	LABADIE	DOMESTIC	466.0	SW	NW	SE	31	44	2	E	580	140	60.0 120.0
00322778	PUMP				215 LAKE DR	GRAY SUMMIT	DOMESTIC											
0005197	RECNSSTRUCT	556 DUSTY RD		HILTON	RT 1 BOX 155	NEW HAVEN	435.0		NE	SW	32	44	2	E				
00015737	WELL			WARNEBOLD	P.O. BOX 127	GRAY SUMMIT	DOMESTIC	291.0										
00096715	WELL			WEISS	1434 WILLOWBROOK COVE #6	ST. LOUIS	UNKNOWN	641.0									100	35.0 340.0
00099829	WELL			BALSAMO	795 DECKER RD.	LABADIE	DOMESTIC	350.0	SE	SW	SW	32	44	2	E	600	287	30.0 80.0
00273042	WELL			WARNEBOLD	24 MAPLE HILL	GRAY SUMMIT	306.0	NW	SE	SE	32	44	2	E	100	145.0		
00367064	WELL				PO BOX 233	LABADIE	DOMESTIC	626.0	NW	NW	NE	32	44	2	E	840	335	25.0 380.0
00378841	WELL				PO BOX 233	LABADIE	DOMESTIC	606.0									253	20.0 170.0
00396952	WELL				556 DUSTY RD	LABADIE	DOMESTIC	326.0		SE	32	44	2	E	80	30.0	110.0	
00023226	WELL			COFFMAN	BOX 35A	LABADIE	500.0		NW	NW	33	44	2	E	84	30.0	340.0	
0002327	PUMP				BOX 35A	LABADIE	DOMESTIC											
00039176	WELL				RT 1 BOX 34	LABADIE	DOMESTIC	420.0		NW	NW	33	44	2	E		140	12.0 180.0
00126786	WELL				604 THEIBES RD.	LABADIE	DOMESTIC	620.0	SE	SE	NW	33	44	2	E	850	147	20.0
00170446	WELL	556 THEIBES RD LABADIE		SILBER	P.O. BOX 204	LABADIE	539.0		NE	SW	33	44	2	E	200	45.0	240.0	
00215767	WELL				2040 APT A	MARYLAND HEIGHTS	DOMESTIC	705.0	SE	NW	NW	33	44	2	E	840	380	30.0 320.0
00216902	WELL				309 MARKET ST	WASHINGTON	UNKNOWN	580.0								80	30.0	300.0
00291078	RECNSSTRUCT				655 THEIBES RD	LABADIE	DOMESTIC			SE	33	44	2	E				
00322800	PUMP			DOUGLAS	801 THEIBES RD	LABADIE												
00351133	WELL			MOTZ	801 THEBES ROAD	LABADIE	DOMESTIC											
00378628	WELL			FLEMING	141 FLEMING LANE	LABADIE	DOMESTIC	686.0	NW	SW	SW	33	44	2	E	880	300	25.0 300.0
00432226	WELL				120 W FRONT STREET	LABADIE	DOMESTIC	509.0								80	25.0	271.0
00034685	WELL	2057 FIDDLE CREEK,LABADIE		FLEMING	WASHINGTON	DOMESTIC	685.0		SW	33	44	2	E	300	20.0	340.0		
00184523	RECNSSTRUCT				ST PETERS	PACIFIC	DOMESTIC	400.0		NE	SW	34	44	2	E		117	
00319125	WELL				314 TRAILVIEW	PACIFIC	DOMESTIC											
00008312	RECNSSTRUCT				2185 THORNTON RD	LABADIE	DOMESTIC	586.0	SW	NE	NE	34	44	2	E	600	160	35.0 143.0
00060464	WELL			DILLMAN	2057 FIDDLE CREEK	LABADIE	680.0		NE	SW	35	44	2	E	80		130.0	
00087724	WELL				RT 2 BOX 225C	PACIFIC	DOMESTIC	256.0		SE	SW	35	44	2	E	80		
00097002	WELL				4901 SPRING VALLEY	PACIFIC	DOMESTIC	274.0		NW	SE	35	44	2	E	80		
00181819	WELL				RR 2 BOX 323	UNION	DOMESTIC	620.0		SE	NW	35	44	2	E	80	6.0	210.0
00193884	WELL	357 WHISPERING FOREST		GEORGE	217 STEAMBOAT LANE #8	BALLWIN	581.0		SE	NE	35	44	2	E	160	28.0	336.0	
00286292	WELL				PO BOX 4	GRAY SUMMIT	DOMESTIC	305.0	NW	SE	SE	35	44	2	E	680	100	130.0
00318564	WELL				PO BOX 366	PACIFIC	DOMESTIC	672.0	SE	NE	NW	35	44	2	E	800	100	60.0 364.0
00330613	WELL				2668 SPRINGVALLEY RD	PACIFIC	DOMESTIC	326.0	SE	NE	SW	35	44	2	E	780	120	20.0 140.0
00331417	WELL			MEECY	357 WHISPERING FOREST LN	PACIFIC	670.0	NE	NE	NW	35	44	2	E	620	385	45.0 300.0	
00334960	WELL				1215 A CHRISTMAS VALLEY RD	LABADIE	DOMESTIC	787.0	NE	SE	NW	35	44	2	E	780	420	45.0 250.0
00417901	WELL				364 WHISPERING FOREST LN	CHESTERFIELD	DOMESTIC	685.0	NE	NE	NW	35	44	2	E	620	400	30.0 350.0
00004867	WELL				135 WOOD VALLEY TRAIL	PACIFIC	DOMESTIC	350.0								140	15.0	200.0
00005701	WELL			EVANS	9270 OLIVE ST	ST LOUIS	209.0								80	25.0	110.0	
0000701	WELL				115 FLIER DR	PACIFIC	DOMESTIC	420.0		SE	NW	36	44	2	E	178	10.0	135.0
00008728	WELL				1195 HWY 00	PACIFIC	DOMESTIC	256.0		NE	SW	36	44	2	E	86	15.0	120.0
00010942	WELL				PO BOX 498	BALLWIN	DOMESTIC	300.0		SW	SW	36	44	2	E	80	15.0	180.0
00017565	PUMP	1640 HWY T		CORSAIR HOMES INC		LABADIE	425.0		SW	SW	36	44	2	E				
00433403	WELL				BOCK	2433 SMITH RD	ROSEBUD	DOMESTIC								781	180	30.0 180.0
00443464	WELL			HOFFSTETTER	2625 DREAM LN	VILLA RIDGE	360.0								537	85	25.0 220.0	

Appendix 13

Supplemental Data: Wetlands Inventory Map

Detailed Site Investigation
Proposed Utility Waste Disposal Area
Ameren Labadie Power Plant

Prepared by: GREDELL Engineering Resources, Inc.



NOTES

1. WETLANDS INVENTORY MAP NOTES IDENTIFIED WETLANDS WITHIN ONE-QUARTER MILE BOUNDARY OF PROPOSED DISPOSAL AREA BOUNDARY.
2. POTENTIAL JURISDICTIONAL WETLAND AREAS MAY EXIST WITHIN DSI LIMITS AND ARE SUBJECT TO VERIFICATION BY THE U.S.A.C.E.

BY	REVISION DESCRIPTION	DATE	NO.

Detailed Site Investigation Report
 Ameren Missouri Labadie Power Plant
 Proposed Utility Waste Disposal Area
 Franklin County, Missouri

Appendix 13
National Wetlands Inventory Map

FIGURE	PROJECT NO.	FILE NO.	SCALE	DATE	APPROVED	CHECKED	DRAWN	DESIGNED	SURVEYED
XXXX	LABADIE	FIGS 2-3 NAT-WETLND	AS SHOWN	1/2011	M.C.C.	M.C.C.	W.J.A.	M.C.C.	NA

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