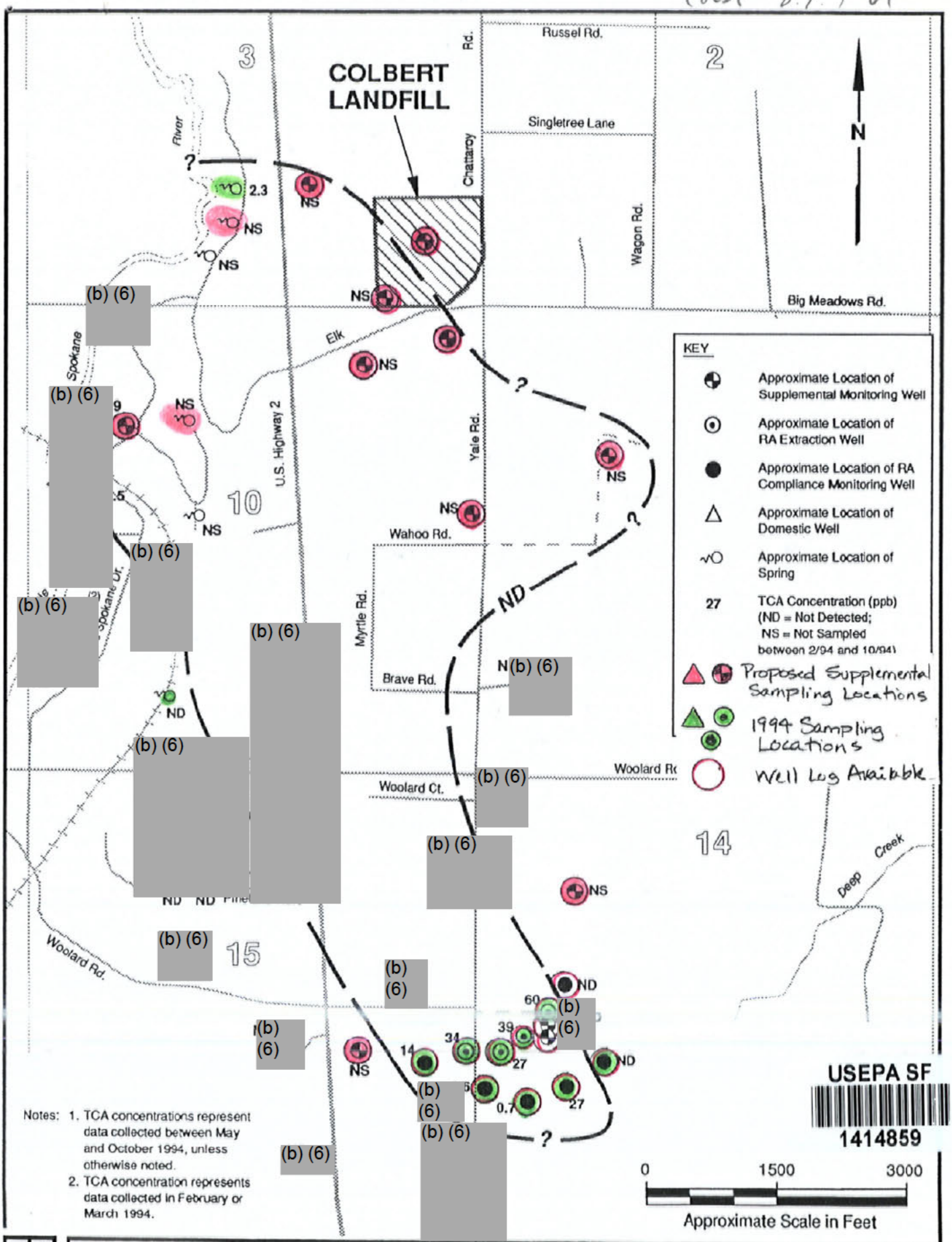
COLSF 8.7 / V1



124004.31 Spokane Co./Colbert Landfill Continuing Services/Reponse Letter 3/95

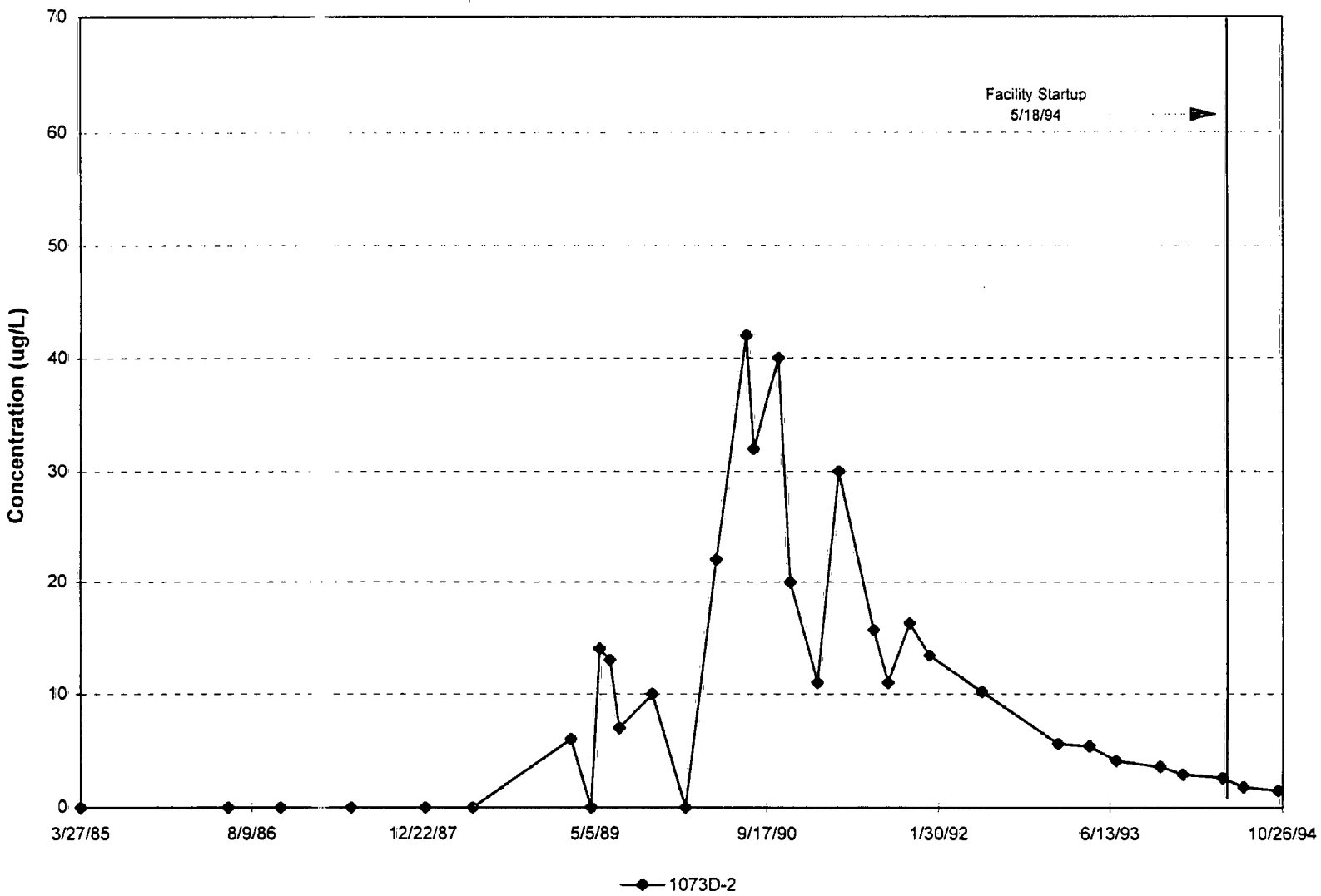
Upper Aquifers

Groundwater Sampling and Well Log Locations

Figure 1

DRAFT

TCA vs. Time for Well 1073D-2



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TCA vs. Time for well 1073E-1

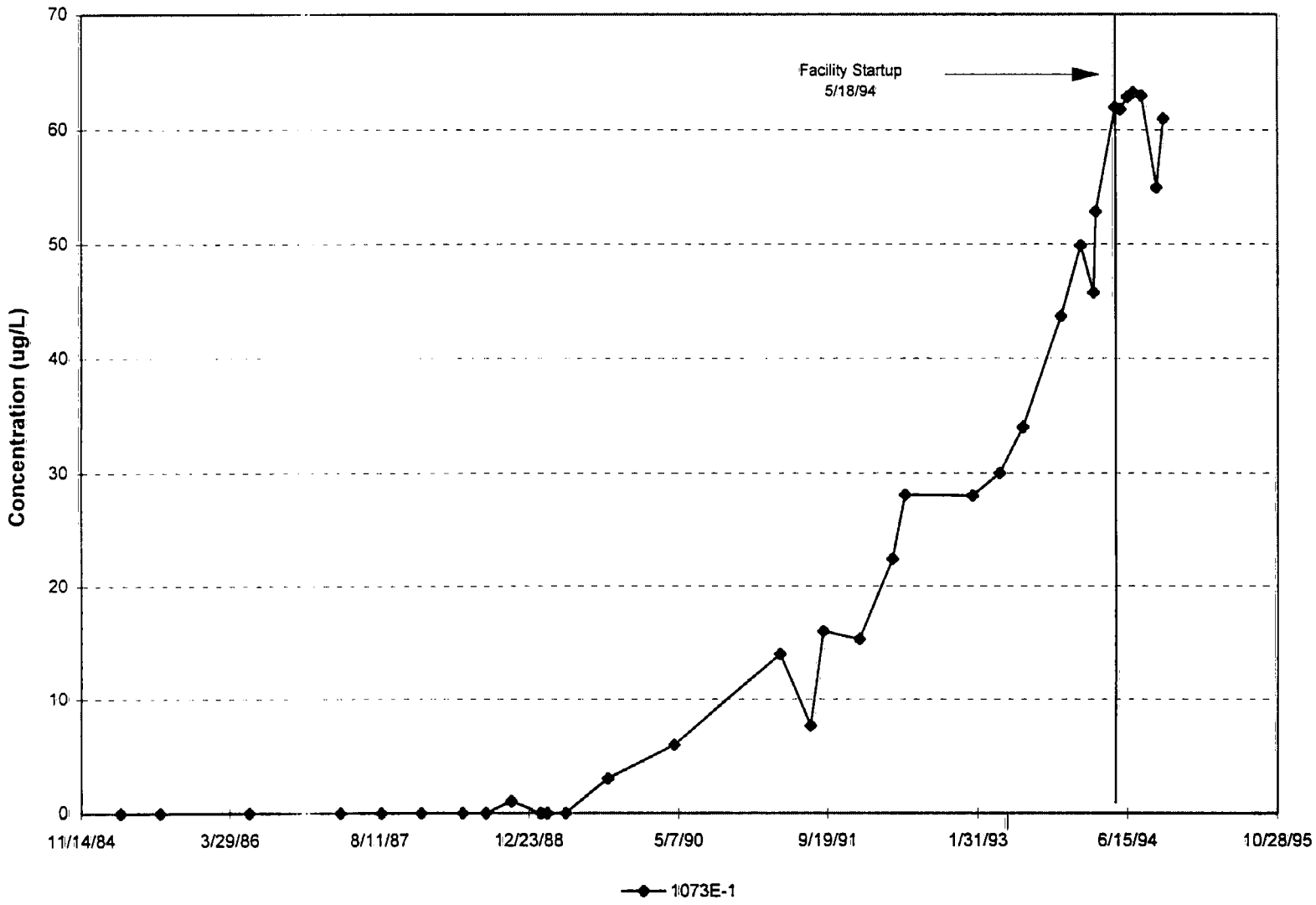

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TABLE 1

COLBERT LANDFILL
DOMESTIC WELL SUMMARY
UPPER AQUIFER

Well ID	Well Owner's Name[a]	Well Log Available	Approximate Depth to Groundwater (ft)	Date Last Sampled (Prior to 1995)	Proposed Supplemental Sampling Location
DOMESTIC WELLS					
1073D-1	(b) (6)	Yes	3	09/22/94	
1073D-2	North Glen Estates	Yes	5	08/02/94	
1073E-1	(b) (6)	No	6	10/13/94	
1073E-2		No	18	10/13/94	
1073E-3		No	17	10/13/94	
1073K-1		Yes	79	4/21/90	— √
1073L-1		No	20	09/19/94	
1073L-2		No	15	02/24/94	
1073L-3		No	29	06/14/94	
1073M-1		No	18	03/02/94	
1073M-2		No	8	02/24/94	
1073M-3		No	13	06/14/94	
1073M-4		No	6	10/18/94	
1073N-1		No	6	03/03/94	
1073P-2		No	74	08/03/94	
1073Q-1		Yes		1990	
1073Q-2		No		1988	√
1073Q-3		No		1990	√
1173N-1		No	91	07/15/94	
1473D-2		No	85	09/23/94	
1473D-3		No	93	1988	√
1473M-1		No	82	10/17/94	
1473N-1		No	85	1987	√
1573A-1		No	94	1986	√
1573B-2		No	85	1990	√
1573B-4		No	88	1990	√
1573B-5		No	82	09/22/94	
1573C-2		No		05/24/94	
1573C-7		No	83	10/17/94	
1573C-8		No	79	07/07/94	
1573H-4		No	95	1990	√
1573K-1		Yes	89	10/17/94	
1573Q-1		No	79	07/06/94	
1573R-1		No	92	09/23/94	
1573R-2		No	65	09/23/94	

(a) May not be most recent owner.

Shading indicates routine 1994 domestic groundwater well sampling program and proposed supplemental sampling wells.

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TABLE 1

COLBERT LANDFILL
HISTORICAL SAMPLING DATA FOR
PROPOSED SUPPLEMENTAL GROUNDWATER SAMPLING LOCATIONS
UPPER AQUIFER

Proposed Supplemental Sampling Location	Date Last Sampled	TCA Concentration (ug/L)
Monitoring Wells		
CD-02A1	6/21/93	16
CD-03A1	6/2/93	37
CS-03A1	1/13/84	48
CS-04A1	6/3/93	2.5
CD-06A1	6/4/93	190 J
CS-13	10/25/84	600
CD-23B1	6/8/93	140
CD-32B1	6/8/93	ND
CD-35A1	5/25/93	ND
CD-40C1	5/26/93	160 J
Domestic Wells		
1073K-1	4/21/90	120
1073Q-2	8/8/88	151
1073Q-3	8/8/90	227
1473D-3	5/15/88	ND
1473N-1	2/27/87	ND
1573A-1	2/1/86	318
1573B-2	6/20/90	70
1573B-4	7/18/90	30
1573H-4	6/20/90	247
Springs		
1073C-1S	4/21/90	18
0373P-1S	6/20/90	48

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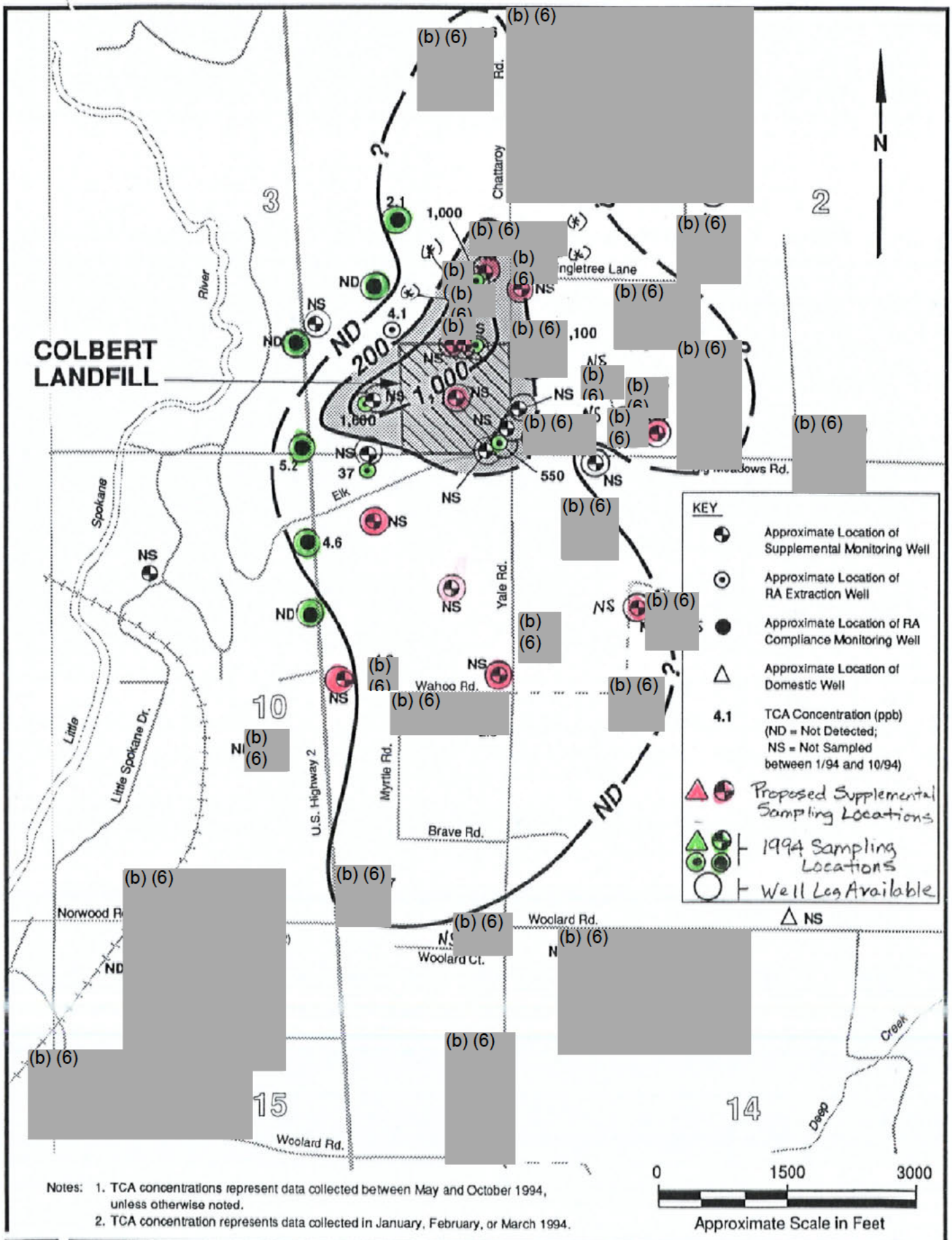

Notes: 1. TCA concentrations represent data collected between May and October 1994, unless otherwise noted.
2. TCA concentration represents data collected in January, February, or March 1994.

Lower Aquifers
Groundwater Sampling and Well Log Locations

Figure

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124004.31 Spokane Co./Colbert Landfill Continuing Services/Response Letter 3/95

TABLE 2

COLBERT LANDFILL
DOMESTIC WELL SUMMARY
LOWER AQUIFER

Well ID	Well Owner's Name[a]	Well Log Available	Approximate Depth to Groundwater (ft)	Date Last Sampled (Prior to 1995)	Proposed Supplemental Sampling Location
DOMESTIC WELLS					
0273C-1	(b) (6) [redacted]	Yes	87	1993	
0273C-2	[redacted]	Yes	99	1990	
0273C-3	[redacted]	No	96	10/17/94	
0273C-4	[redacted]	No	100	08/03/94	
0273C-5	[redacted]	No	93	07/07/94	
0273D-1	[redacted]	No	140	10/17/94	—
O273D-2	[redacted]	Yes	192	1992	
0273D-3	[redacted]	Yes	192	1992	
0273D-6	[redacted]	No	142	08/03/94	
0273E-1	[redacted]	Yes	132	1990	√
0273E-2	[redacted]	No	199	01/07/94	
0273E-3	[redacted]	Yes	165	1990	√
0273F-2	[redacted]	No	189	09/22/94	
0273F-3	[redacted]	Yes	158	1989	
0273F-4	[redacted]	Yes	92	06/13/94	
0273F-5	[redacted]	Yes		Abandoned ?	
0273L-2	[redacted]	Yes	216	1989	
0273L-3	[redacted]	No		1990	√
0273M-1	[redacted]	Yes	197	1989	√[b]
0273M-2	[redacted]	Yes	174	1990	√[b]
0273N-2	[redacted]	Yes	185	??	
0273N-5	[redacted]	Yes	209	1986	
0273N-6	[redacted]	Yes	176	1989	
0273N-7	[redacted]	Yes	89	1986	√
0273N-8	[redacted]	Yes	77	1984	
0273P-1	[redacted]	Yes	77	1989	
0273P-3	[redacted]	Yes	79	1991	√
0273P-4	[redacted]	Yes	149	1988	
0273P-5	[redacted]	No	83	1990	√
0273Q-1	[redacted]	No	58	05/24/94	
0373A-1	[redacted]	No		10/18/94	
0373A-2	[redacted]	No	170	06/13/94	
0373A-4	[redacted]	No	205	08/03/94	
0373J-1	[redacted]	Yes	192	1989	√[b]
0373J-3	[redacted]	Yes	189	1989	√[b]
0373J-4	[redacted]	Yes	189	1983	
0373J-5	[redacted]	Yes	190	1990	√
1073G-1	[redacted]	No	183	07/06/94	

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TABLE 2

COLBERT LANDFILL
DOMESTIC WELL SUMMARY
LOWER AQUIFER

Well ID	Well Owner's Name[a]	Well Log Available	Approximate Depth to Groundwater (ft)	Date Last Sampled (Prior to 1995)	Proposed Supplemental Sampling Location
1073J-1	(b) (6)	Yes	189	10/12/94	
1073J-2	Wahoo Water Dist.	Yes	179	09/22/94	
1073L-4	(b) (6)	No	166	03/03/94	
1073P-3		Yes	160	1993	
1073Q-4	N Meadows Wtr Co.	No	172	09/22/94	
1173D-1	(b) (6)	No	101	1989	√
1173F-1		No		1987	√
1173F-2		Yes	156	1987	
1173L-1		Yes	172	1990	√
1473C-1		No	131	01/10/94	
1473C-2		Yes	183	10/17/94	
1473C-3		Yes[c]	160	03/04/94	
1473C-4		Yes	163	06/16/94	
1473C-5		Yes	168	09/22/94	
1473D-1		No	170	02/22/94	
1573A-2	N. Meadows/(b) (6)	Yes	94	1985	
1573C-10	(b) (6)	No	128	07/07/94	
1573C-14		No	158	09/23/94	
1573C-15		No	163	01/07/94	
1573C-16		Yes	165	1993	
1573C-17		Yes[c]	166	03/03/94	
1573D-1		No	87	06/16/94	
1573E-2		Yes	146	09/23/94	
1573E-3		Yes	162	1993	
1573F-1		Yes	190	1990	
1573F-4		No	164	5/26/94	
1573H-1		No	166	01/07/94	
1573H-2		No	164	07/08/94	

(a) May not be most recent owner.
(b) Only one well of two will be sampled.
(c) Location description on well log is unclear.

Shading indicates routine 1994 domestic groundwater well sampling program and proposed supplemental sampling wells.

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TABLE 2
COLBERT LANDFILL
HISTORICAL SAMPLING DATA FOR
PROPOSED SUPPLEMENTAL GROUNDWATER SAMPLING LOCATIONS
LOWER AQUIFER

Proposed Supplemental Sampling Location	Date Last Sampled	TCA Concentration (ug/L)	
Monitoring Wells			
CD-01C2	6/7/93	1600	
CD-02C2	6/9/93	690	
CD-04E1	6/3/93	2500	
CD-05C2	6/1/93	ND	
CD-06C2	6/4/93	20	
CD-08E1	6/17/93	820	
CS-14C1	6/14/93	150	
CD-21C1	5/28/93	1200	J
CD-24C2	6/1/93	2000	
CD-23C2	6/4/93	310	J
Domestic Wells			
0273E-1	9/17/90	412	
0273E-3	7/18/90	197	
0273L-3	6/20/90	ND	
0273M-1 (a)	6/19/87	3700	
0273M-2 (a)	10/18/89	1352	
0273N-7	10/31/86	686	
0273P-3	6/13/91	41	
0273P-5	5/18/90	197	
0373J-1 (b)	10/18/89	1013	
0373J-3 (b)	7/4/89	2050	
0373J-5	5/18/90	51	
1173D-1	10/27/89	45	
1173F-1	6/22/87	ND	
1173L-1	6/20/90	21	

(a) Either domestic well 0273M-1 or 0273M-2 are recommended as supplemental sampling locations; however, it is recommended that only one be sampled.

(b) Either domestic well 0373J-1 or 0373J-3 are recommended as supplemental sampling locations; however, it is recommended that only one be sampled.

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TABLE 3

COLBERT LANDFILL
DOMESTIC WELL
WELL DRILLER PUMPING TEST DATA

Well ID	Well Owner's Name[a]	Aquifer	Drawdown (ft)	Pumping Rate (gpm)	Duration (hr)
0273F-1	(b) (6)	Latah	66	18	4
0273F-3		Latah	~100	10	4
0273M-2		Lower Sand/Gravel	12	10	2
0273N-2		Granite	75	5	4
0273N-6		Latah	90	5	2
0273P-3		Basalt	35	10	4
0273P-4		Granite	200	1.5	3
0373J-1		Lower Sand/Gravel	0	15	2
0373J-3		Lower Sand/Gravel	0	15	3
0373J-4		Lower Sand/Gravel	0	15	1

(a) May not be most recent owner.

03/17/95 J:\COLBERT\DOM_DRIL.SUM

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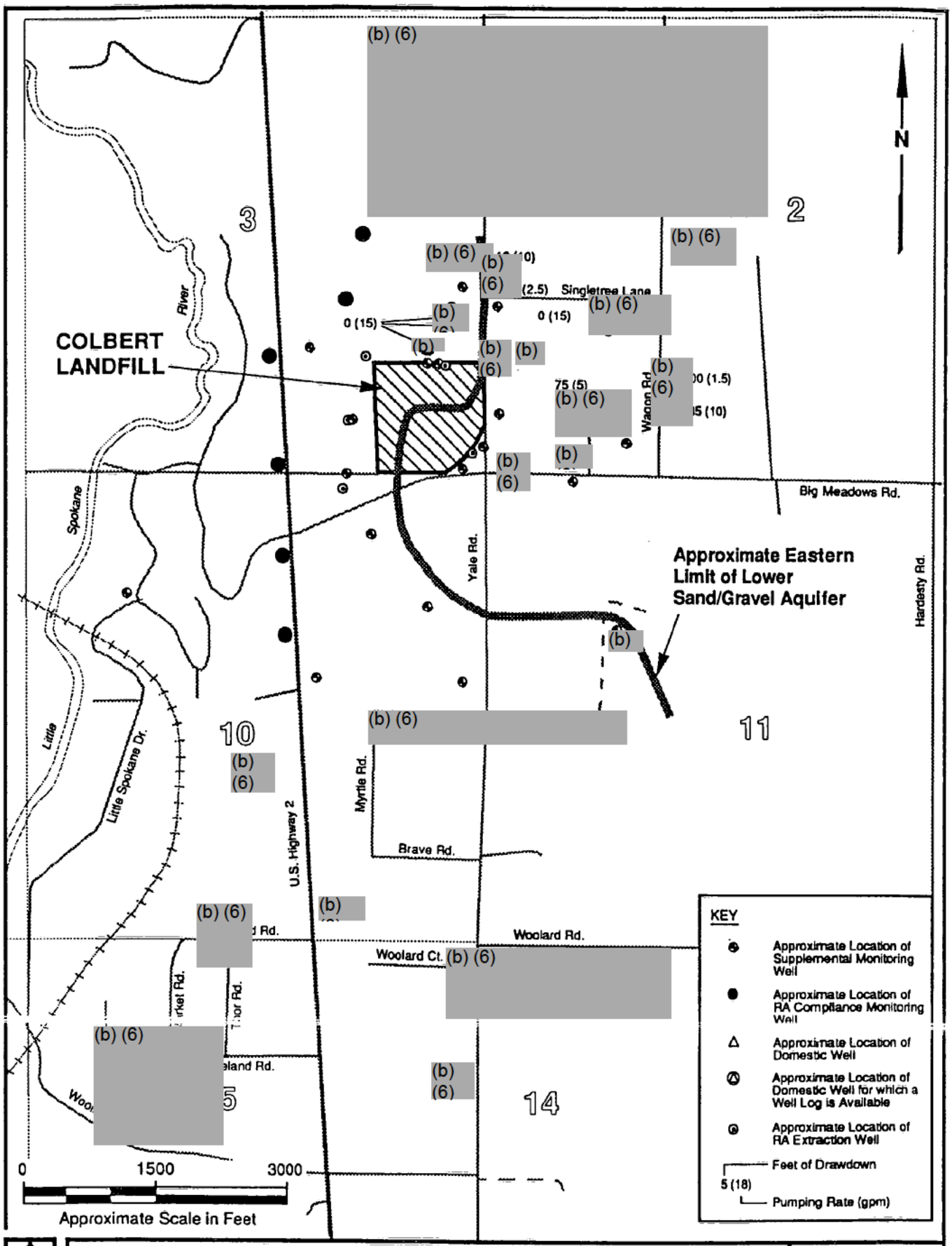
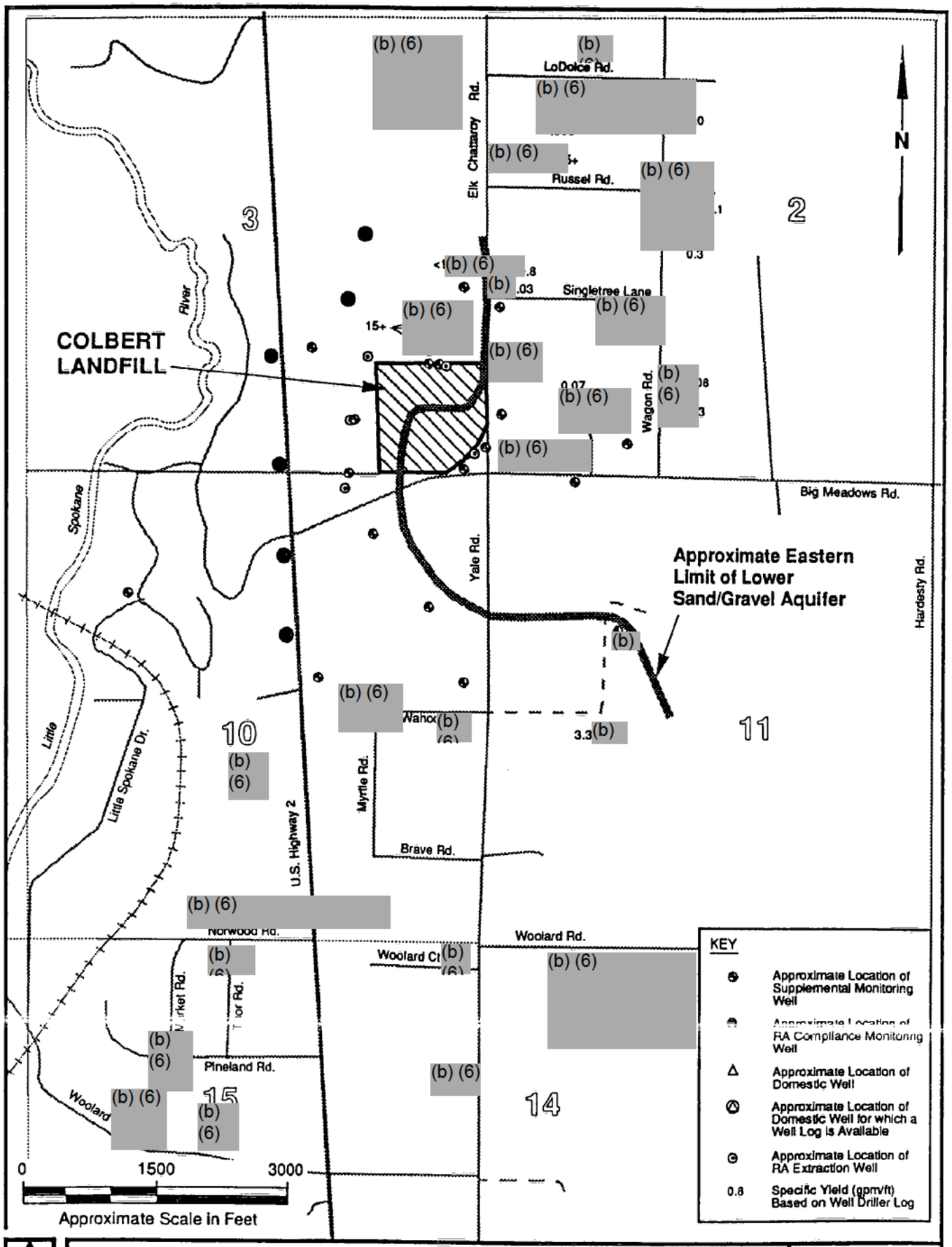


Lower Sand/Gravel Aquifer
Well Driller Pumping Test Data - East of Landfill

Figure K



Lower Sand/Gravel Aquifer
Specific Yield on Well Driller Logs

Figure L

TABLE ___
COLBERT LANDFILL
GROUNDWATER SAMPLES
DETECTED VINYL CHLORIDE

Location	Collection Date	Sample Identification	Lab Identification	Vinyl Chloride (ug/L)	TCA (ug/L)		TCE (ug/L)
CD04E1	06/03/93	9571		8.4	2500	J	19
CD21C1	05/28/93	9558		4.6	1200	J	2.0
CD21C1	05/28/93	9557		4.8	1600	J	2.8
CD24C2	05/15/90	9147		3.0	2000		24
CD24C2	06/01/93	9561		18	1600	J	36
CD24C2	06/01/93	9564		17	2000	J	30
CD46C2	10/10/91	9469		2.5	3100		5
CD46C2	10/10/91	9470		2.8	2500		4.9
CPE1C2	05/14/90	9145		3.1	3000		58
CPE1C2	07/22/94	289	K944431-004	2.8	1100		44
CPE1C2	09/26/94	320	K945964-005	2.2	1100		26
CPE1C2	11/14/94	CP-E1-9411	K947173-005	1.4	1100		25
CPE1C2	12/19/94	CP-E1-941219	K947907-005	1.4	540		16
CPW3C2	09/26/94	325	K945964-010	1.0	1600		9.6
CPW3C2	11/14/94	CP-W3-9411	K947173-010	0.8	1400		13
CPW3C2	11/14/94	CP-D1-9411	K947173-011	0.5	1500		13
CPE2E2	06/15/94	264	K943670-013	0.8	460		270
CPE2E2	09/26/94	321	K945964-006	1.2	550		370

Vinyl Chloride was detected in 18 groundwater samples of 348 groundwater samples collected from groundwater monitoring wells and/or extraction wells that wereanalyzed for vinyl chloride (i.e. samples from domestic wells have not been included in this statistic). Also vinyl chloride has not been detected in any samples collected from the influent to the treament facility nor in samples of the effluent from the treatment facility.

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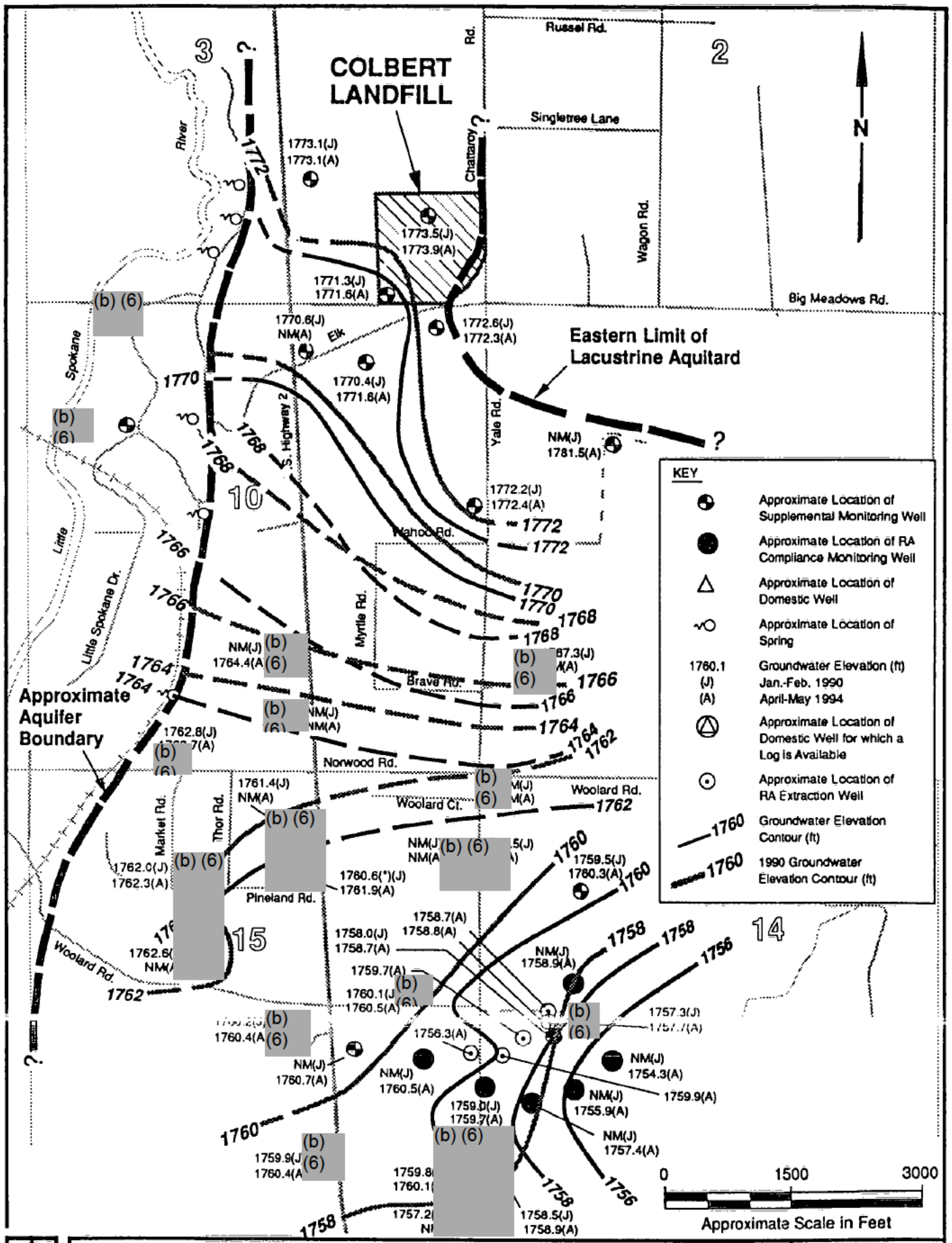

Upper Sand/Gravel Aquifer
Groundwater Elevation Contours, Jan-Feb 1990 and April-May 1994 (Pre-Pumping)

Figure C

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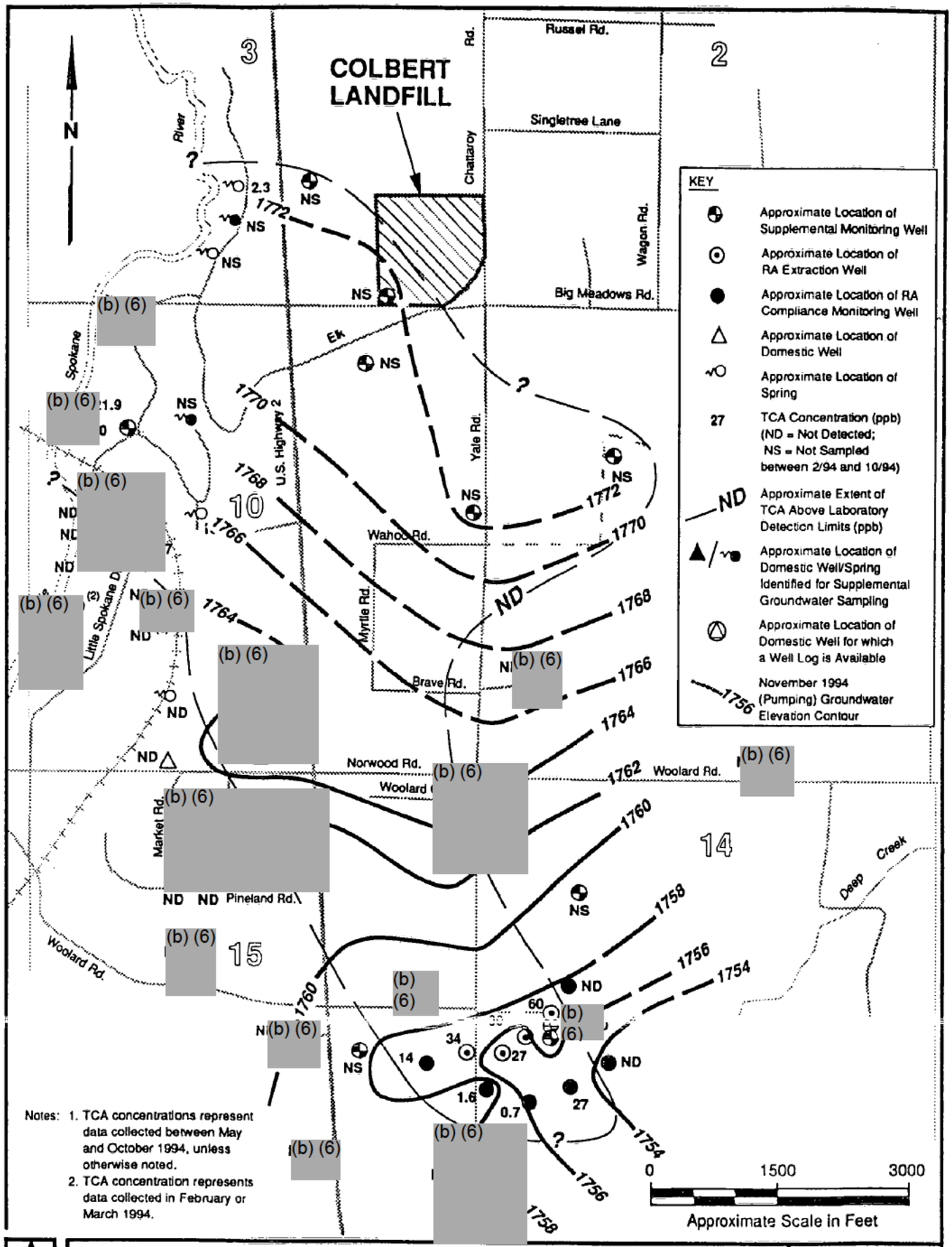
124004.31 Spokane Co./Colbert Landfill/3 : Meeting (M) 3/95



124004.31 Spokane Co./Colbert Landfill/'95 Meeting (M) 3/95

Upper Aquifers
Groundwater Elevation Contours and Approximate Extent of TCA During Pumping

Figure E

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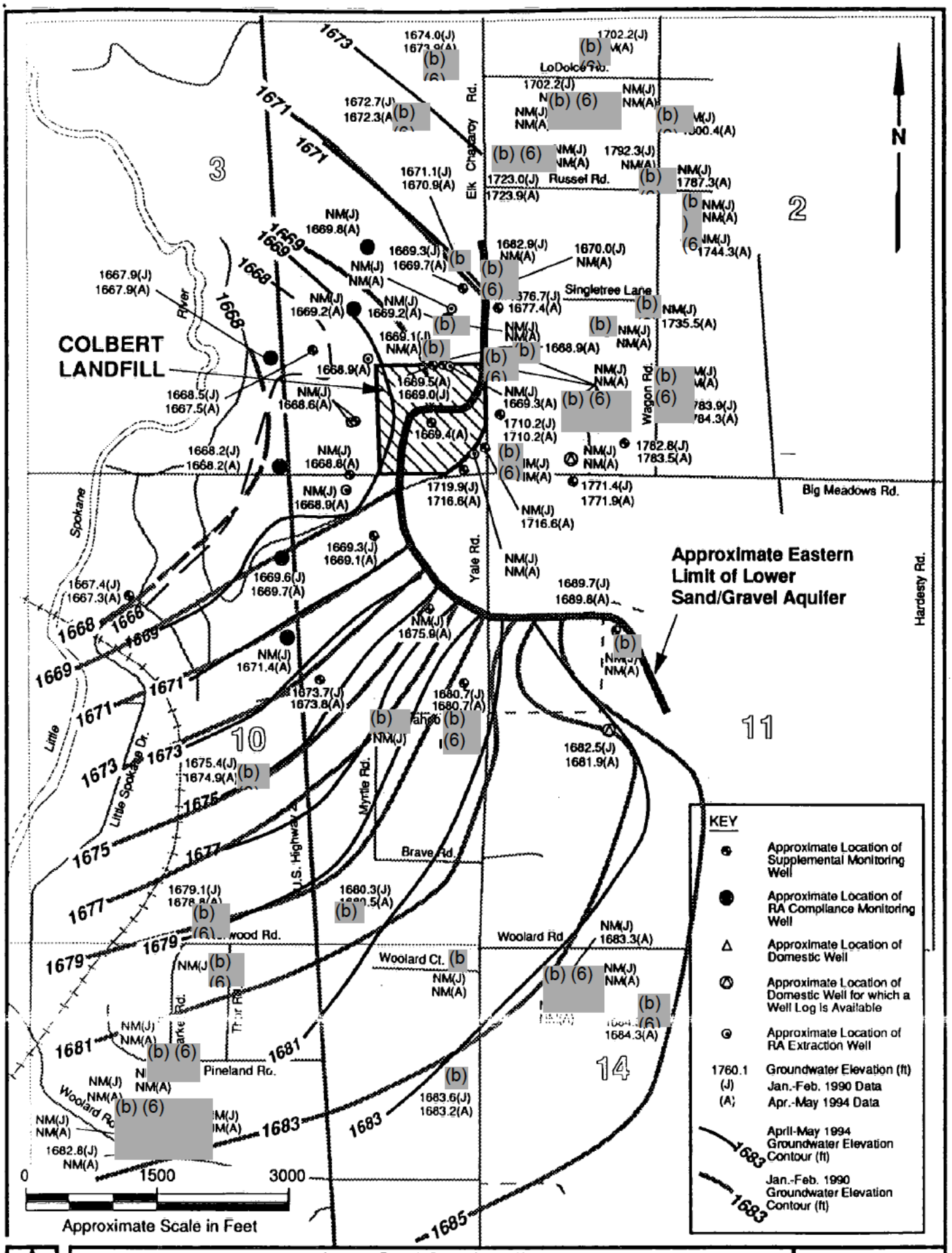

124004.31 Spokane Co./Colbert Landfill/3/95 Meeting (M) 3/95

Lower Sand/Gravel Aquifer
Groundwater Elevation Contours, Jan.-Feb. 1990 and April-May 1994

Figure H

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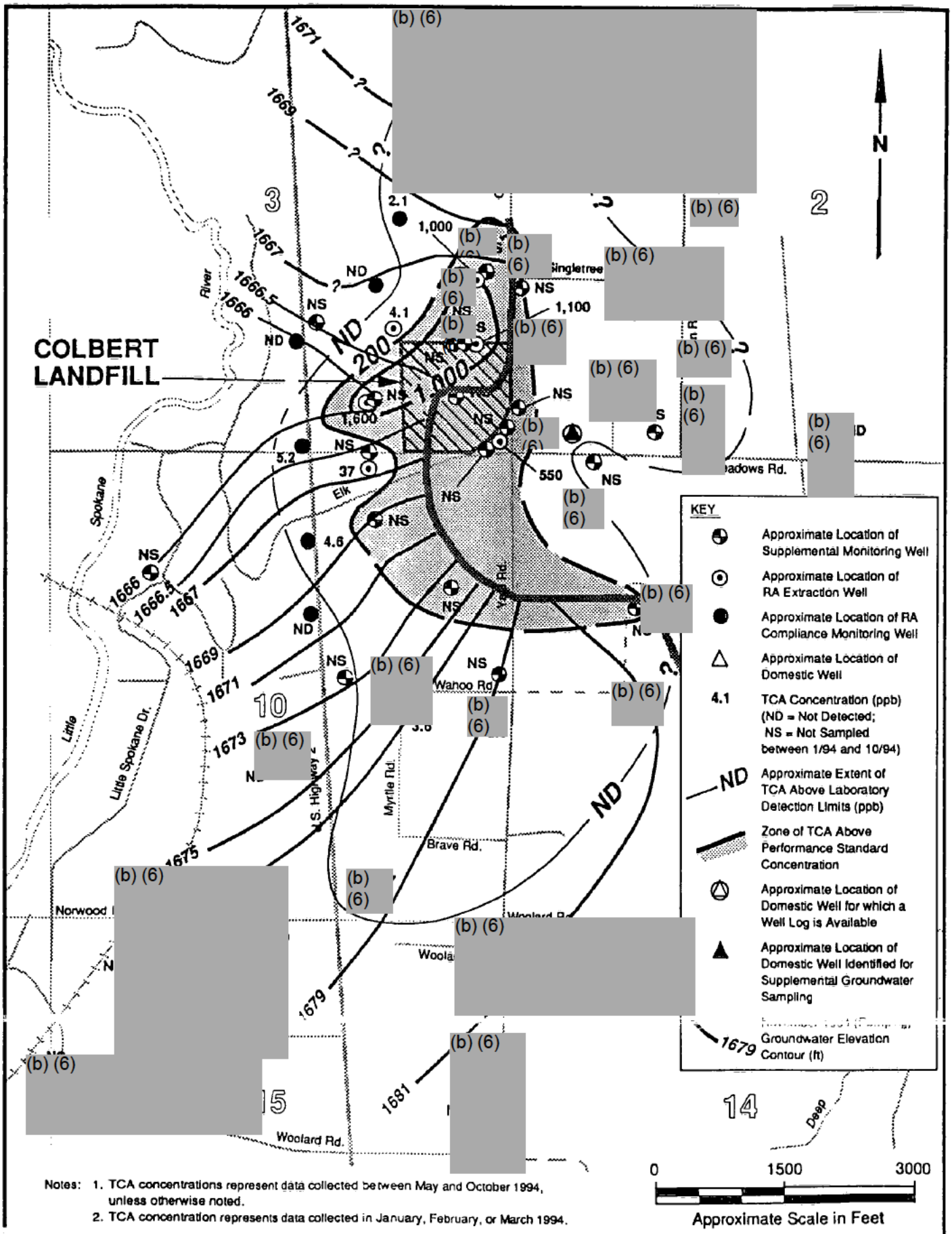

Notes: 1. TCA concentrations represent data collected between May and October 1994, unless otherwise noted.
2. TCA concentration represents data collected in January, February, or March 1994.

124004.31 Spokane Co./Colbert Landfill/3/95 Meeting (M) 3/95

Lower Aquifers
Groundwater Elevation Contours and Approximate Extent of TCA During Pumping

Figure J

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