

**W12A Landfill
Water Well Monitoring Program**

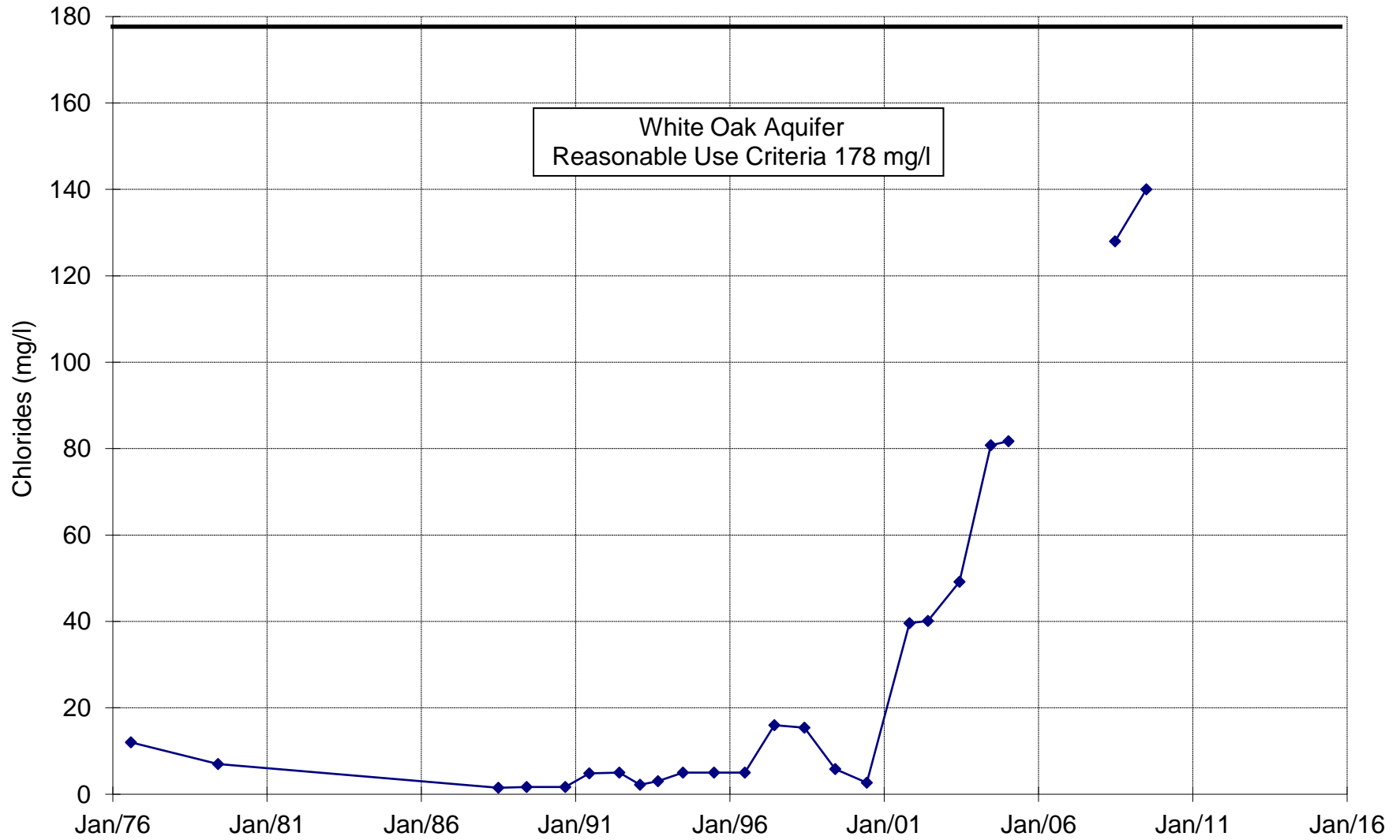
Private Well #5 Location: Upgradient
4233 Scotland Dr. Hydrostatic Unit: White Oak Aquifer
 Well Depth: 168 feet

AVG	441	28	817	7.5	1	133	25	264	6.3	18	0.2	3.4	175	2.3	0.00	0.25	0.000	0.001	0.004	0.00	0.004	0.000	0.00	0.0	0.1	0.6		
STD	189	40	309	0.3	2	59	11	55	3.9	19	0.3	1.1	115	1.7	0.01	0.13	0.001	0.001	0.000	0.003	0.00	0.006	0.001	0.00	0.1	0.2	0.2	
# of samples	22	23	23	22	21	22	22	22	23	21	21	18	21	16	12	9	11	8	8	9	11	11	7	9	7	6		

PARAMETER	HARDNESS	Cl	CONDUCTIVITY	pH	PHENOL	Ca	Mg	ALKALINITY	Fe	Na*	NO ₃	DOC	SO ₄	K	As	Ba	Cd	Cr	Cu	Pb	Ni	Se	Ag**	Zn	B	Sr	Comments		
ODWO	100	250		6.5 - 8.5																									
Units	mg/l	mg/l	uS/cm		ug/l	mg/l	mg/l	500	0.3	200	10.00	5.0	500	mg/l	0.025	1.000	0.005	0.050	1.000	0.010	mg/l	0.010	0.050	5.000	5.00	mg/l	mg/l		
Aug/76	282	12	730	7.6		60	31	275	0.1		1.14		92																
Jun/79		7	565	7.7	<1				0.1	15																			
Jul/88	255	2	495	7.4	8	79	14	221	0.8																				
Jun/89	259	2	504	7.6	1	78	15	239	3.8	6	0.10		41	1.1															
Sep/90	277	2	537	7.5	<1	85	16	254	4.4	7	<0.1	4.6	45		0.004	0.310	<0.00005	0.003	0.008	0.002	<0.0002	0.001	<0.00005	0.150					
Jun/91	256	5	485	7.4		83	12	258	5.4	6	0.08	4.4	42																
Jun/92	497	5	458	7.5	2	180	11	254	5.1	10	0.15	1.8	49																
Feb/93	325	2	599	7.5	<1	100	18	257	3.4	7	0.30	70		0.026	0.329										0.008				
Sep/93	408	3	705	7.5	<2	122	25	268	6.6	13	0.35	3.9	110	1.5	0.002	0.300	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	0.124	<0.02	0.39			
Jun/94	307	5	680	7.5	<2	88	21	270	9.7	10	0.03	4.1	100	1.8															
Jun/95	441	5	745	7.7	<1	138	23	284	8.7	9	0.29	4.7	128	0.1															
Jun/96	471	5	798	7.4	<1	143	28	284	7.4	10	0.05	3.7	156	4.0	0.003	0.260	<0.001	<0.001	0.002	<0.001	<0.001	0.003	<0.001	0.006	<0.02	0.62			
Jun/97	421	16	783	8.0	<1	127	25	254	7.1	19	0.29	3.8	146	6.4	0.004														
Jun/98	470	15	875	7.6	<1	145	26	264	8.4	10	0.24	2.7	219	1.5	<0.01														
Jun/99	124	6	553	8.0	<1	33	10	94	1.4	86	0.30	1.8	139	1.4	0.003	0.540	<0.001	<0.002	<0.002	<0.001	<0.002	<0.002	<0.001	0.110	0.40	0.99			
Jun/00	255	3	728	7.5	4	75	17	160	4.8	57	0.01	1.9	151	5.2	0.005														
Oct/01	597	40	1,393	7.3	<1	192	29	294	6.9	9	0.07	3.1	344	2.1	<0.01	0.183	0.003	<0.001	0.005	<0.001	<0.002	<0.002	<0.001	0.012	0.02	0.56			
Jun/02	474	40	951	7.6	<1	149	25	240	6.9	21	0.22	2.6	299	4.2	<0.02	0.123	0.001	0.003	0.004	0.001	0.005	<0.002	<0.001	0.005	0.01	0.37			
Jun/03	639	49	1,210	7.3	<1	161	37	316	9.8	11	0.02	2.5	277	2.2			<0.0002				0.007								
Jun/04	667	81	1,190		<1	201	40	326	7.6	11	<0.06	2.6	228	<2			<0.0002				<0.002								
Jan/05	605	82	1,350	7.2	1	175	41	322	9.8	12	0.13	3.6	218	<2	0.003	0.132	<0.0002	<0.002	0.010	<0.002	0.014	<0.002		0.026	0.02				
Jun/06																													No one home, tap not on
Jun/07																													
Jun/08	814	128	947	7.0	4.0	253	44	328	8.8	20	<0.06	5.6	384	2.3	0.002	0.107	0.0003	<0.001	0.002	<0.001	0.002	<0.002	<0.001	0.003	0.02	0.61			
Jun/09	861	140	1,520	6.9	<1	260	51	354	18.2	25	<0.06	4.0	442	2.5			0.0003				0.017								
Jun/10																													Connected to municipal water

Note:
 * Sodium level of 20 mg/l may be of concern if on sodium restricted diet
 ** Canadian Drinking Water Guideline
 Limited results prior to 1990 are available for fluoride, total phosphorus, soluble phosphorus and TOC.
 Ammonia, TKN, Nitrites, Manganese and Cyanide no longer monitored. Historical data available.

**Private Well #5
4233 Scotland Dr.**



**W12A Landfill
Water Well Monitoring Program**

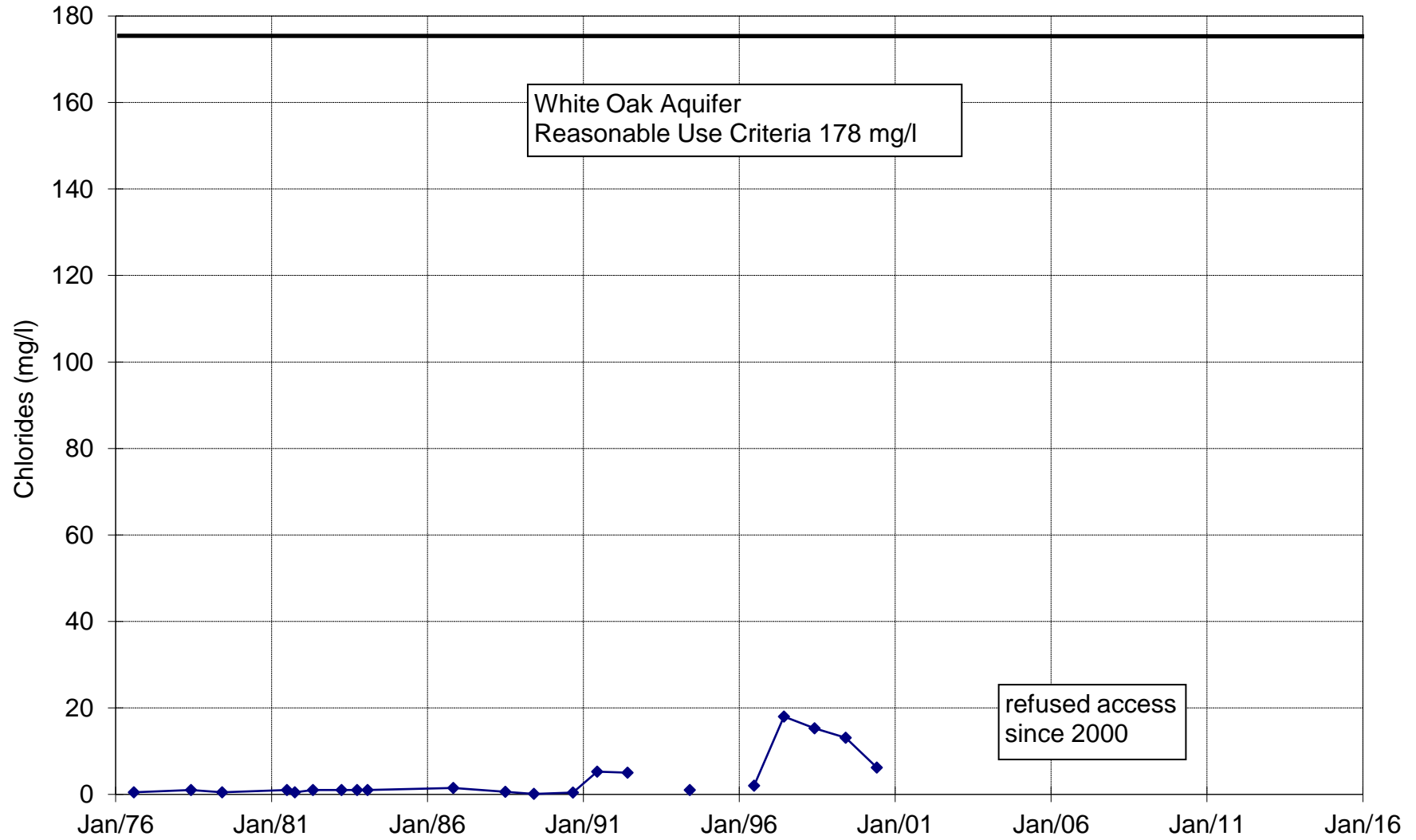
Private Well #10 Location: Crossgradient
5529 Wellington Rd. S. Hydrostatic Unit: White Oak Aquifer
 Well Depth: 153 feet

AVG	153	4	368	8.0	0.2	37	15	177	1.2	16	0.1	0.6	19	1.4	0.01	0.1	0.000	0.002	0.01	0.004	0.00	0.00	0.0	0.2	0.0	0.7
STD	56	5	36	0.2	0.0	15	6	46	1.2	4	0.2	0.2	13	0.3	0.01	0.1	0.000	0.001	0.01	0.009	0.00	0.00	0.0	0.2	0.0	0.5
# of samples	20	21	20	21	19	20	20	16	17	15	15	9	15	11	9	6	6	7	5	6	4	8	4	3	2	2

PARAMETER	HARDNESS	Cl	CONDUCTIVITY	pH	PHENOL	Ca	Mg	ALKALINITY	Fe	Na*	NO ₃	DOC	SO ₄	K	As	Ba	Cd	Cr	Cu	Pb	Ni	Se	Ag**	Zn	B	Sr	Comments	
ODWO Units	100 mg/l	250 mg/l	umhos/cm	6.5 - 8.5	ug/l	mg/l	mg/l	500 mg/l	0.3 mg/l	200 mg/l	10.00 mg/l	5.0 mg/l	500 mg/l	mg/l	0.025 mg/l	1.000 mg/l	0.0050 mg/l	0.050 mg/l	1.000 mg/l	0.010 mg/l	mg/l	0.010 mg/l	0.050 mg/l	5.0 mg/l	5.0 mg/l	mg/l		
Aug/76	170	1	396	7.9		37	19	197	1.0		0.01		13															
Jun/78	168	1	383	7.9	<1	35	20	201	0.9	18	0.04		11	1.1														
Jun/79		1		7.8	<1				1.1	18																		
Jul/81	175	1	382	7.9	<1	39	19	204	5.4	18	<.01		12	1.3	0.020	0.082	<.0001	0.004		0.022		<.001						
Oct/81	2	1	388	8.1	<1	1	0																					
May/82	5	1	405	8.2	<1	1	1																					
Apr/83	171	1	380	7.8	<1	37	19	207	0.8	20	0.08		9	1.2	0.007	0.071	<.0005	0.005	0.010	0.004	0.001	<.001	0.001				soft water	
Oct/83	176	1	406	7.8	<1	39	19	209	1.1	17	<.01		9	1.7	0.006	0.069	<.0005	<.003		<.003		<.001						
Feb/84	172	1	380	7.8	<1	37	19																					
Nov/86	170	2	393	7.8	<1	38	18		0.7																			
Jul/88	165	1	395	7.7	<1	36	18	195	1.4																			
Jun/89	171	0	393	8.0	<1	37	19	205	2.3	19	0.10		8	1.1														
Sep/90	173	0	394	8.0	<1	37	20	208	1.8	16	<.01	0.7	12		0.007	0.073	<.0005	0.002	0.003	0.001	<.0002	0.001	0.0005	0.370				
Jun/91	125	5	338	7.8		27	14	210	1.6	16	<.03	0.9	19															
Jun/92	194	5	320	7.9	<2	56	13	206	0.8	16	0.01	<.03	10															
Sep/93																												
Jun/94	150	1	388	8.0	<1	31	18	200	0.4	19	0.01	0.6	10	1.3														
Jun/95																												
Jun/96	244	2	392	8.0	<1	57	25	206	1.9	20	0.03	<.05	9	1.3	0.007	0.080	<.001	<.001	0.002	<.001	<.001	<.002	<.001	0.272	<.002	1.15	unable to sample	
Jun/97	210	18	314	8.2	<1	65	12	106	0.4	15	<.01	1.3	41	2.1	<.002													
Jun/98	144	15	317	8.2	<1	45	8	104	0.1	10	0.66	0.5	39	1.5	<.010							<.020						
Jun/99	142	13	294	8.2	<1	42	9	90	0.0	10	0.47	0.9	31	1.6	0.002	0.250	<.001	<.002	0.025	<.001	<.002	0.002	<.001	0.014	0.02	0.17		
Jun/00	142	6	305	8.2	4	41	9	90	0.1	10	<.01	0.7	46	1.8	<.002							<.002						
Jun/01																												refused access
Jun/02																												refused access
Jun/03																												refused access
Jun/04																												refused access
Jun/05																												refused access
Jun/06																												refused access
Jun/07																												refused access
Jun/08																												refused access
Jun/09																												refused access
Jun/10																												Connected to municipal water

Note:
 * Sodium level of 20 mg/l may be of concern if on sodium restricted diet
 ** Canadian Drinking Water Guideline
 Limited results prior to 1990 are available for flouride, total phosphorus, soluble phosphorus and TOC.
 Ammonia, TKN, Nitrites, Manganese and Cyanide no longer monitored. Historical data available.

**Private Well #10
5529 Wellington Rd. S.**



W12A Landfill
Water Well Monitoring Program

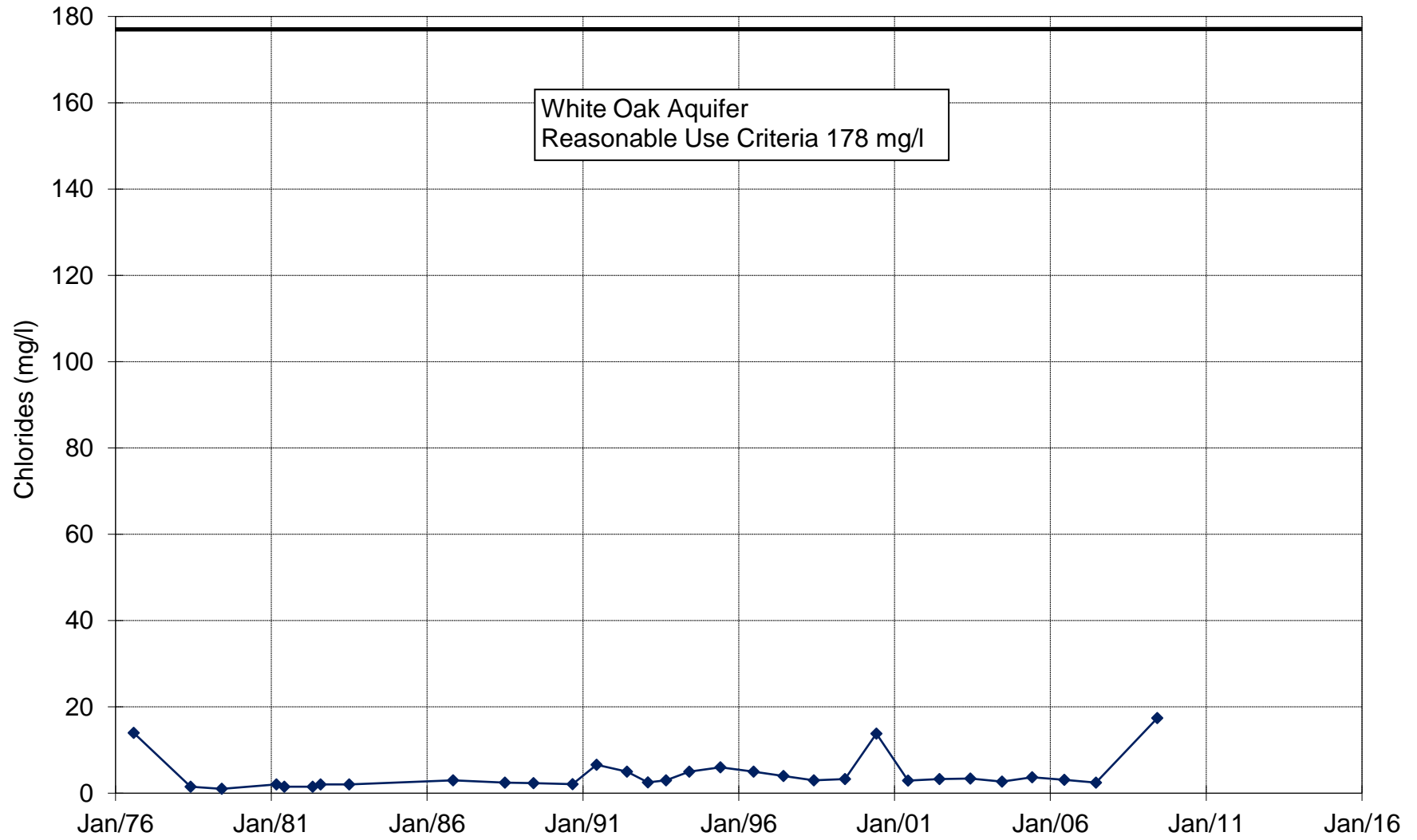
Private Well #11 Location: Crossgradient
5615 Wellington Rd. S. Hydrostatic Unit: White Oak Aquifer
Well Depth: 146 feet

AVG	474	4	909	7.4	0.2	133	38	301	2	24	0.1	1.1	239	1	0.00	0.05	0.0001	0.002	0.004	0.001	0.004	0.001	0.00	0.02	0.03	0.55
STD	191	4	284	0.2	0.8	57	13	57	2	43	0.1	0.5	152	1	0.00	0.04	0.0001	0.001	0.003	0.001	0.003	0.001	0.00	0.01	0.01	0.26
# of samples	30	31	30	31	29	29	29	28	28	25	25	18	25	20	10	7	13	8	7	8	13	10	8	6	5	7

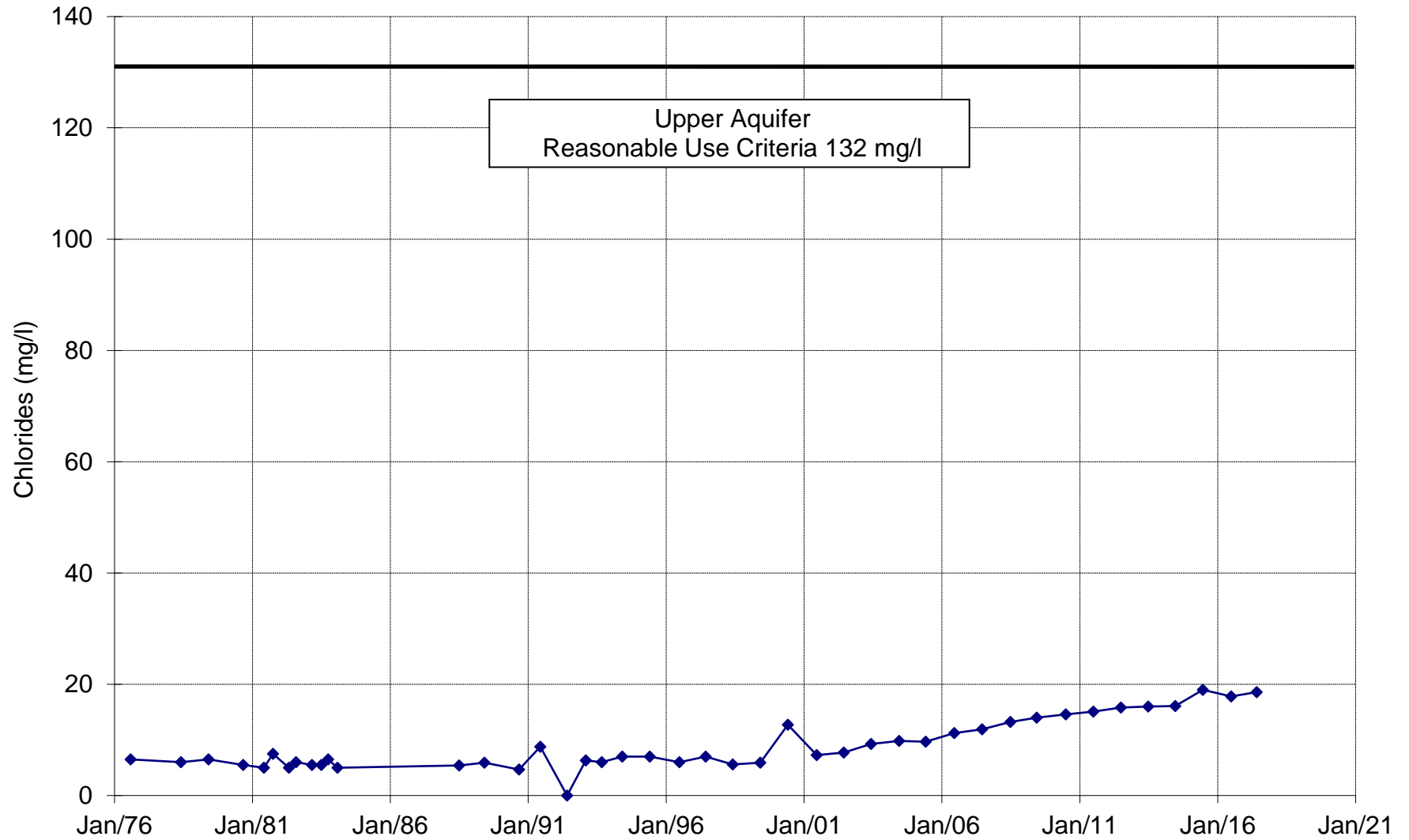
PARAMETER	HARDNESS	Cl	CONDUCTIVITY	pH	PHENOL	Ca	Mg	ALKALINITY	Fe	Na*	NO ₃	DOC	SO ₄	K	As	Ba	Cd	Cr	Cu	Pb	Ni	Se	Ag**	Zn	B	Sr	Comments	
ODWO	100	250	umhos/cm	6.5 - 8.5	ug/l	mg/l	mg/l	500	0.3	200	10.00	5.0	500	mg/l	0.025	1.000	0.005	0.050	1.000	0.010	mg/l	0.010	0.050	5.0	5.0	mg/l		
Units	mg/l	mg/l						mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l		
Aug/76	18	14	840	7.7				336	0.3		<.01		76														softened	
Jun/78	<3.3	2	745	7.6	<1	1	<0.2	320	0.1	176	<.01		77	0.2														
Jun/79		1	735	7.2	<1				0.3	165																		
Mar/81	381	2	690	7.5	<1	103	30	314	1.7	8	<.01		76	1.1								<.001						
Jun/81	380	2	690	7.4	<1	104	29	313	2.3	8	<.01		79	1.5	<0.001	0.070	0.000	0.004			0.003		<.001					
May/82	354	2	695	7.4	<1	96	28																					
Aug/82	372	2	692	7.6	<1	101	29																					
Jul/83	370	2	690	7.4	<1	101	28																					
Nov/86	371	3	685	7.4	<1	102	28		2.1																			
Jul/88	377	2	715	7.4	<1	101	30	317	1.7																			
Jun/89	383	2	729	7.4	1.0	107	28	325	2.6	8	0.10		88	1.3														
Sep/90	393	2	751	7.4	<1	107	31	303	2.7	9	<.01		102		<0.001	0.072	<0.0005	0.007	0.002	0.001	<.0002	0.002	<0.00005	0.011				
Jun/91	453	7	645	7.3		95	53	318	2.5	9	0.03	0.9	100															
Jun/92	676	5	610	7.4	2	223	29	316	2.5	10	0.08	<0.3	120															
Feb/93	438	3		7.4	<1	115	36	330	0.1	9	0.10		151									0.003						
Sep/93	489	3	840	7.4	3	133	38	328	3.0	15	0.13	1.1	160	1.5	<0.001	0.140	<0.001	<0.001	0.002	0.001	<0.001	<0.002	<0.001	0.007	0.02	0.42		
Jun/94	323	5	865	7.3	<2	69	37	334	2.2	12	<0.01	0.6	170	1.6														
Jun/95	374	6	940	7.6	<1	105	27	356	4.4	13	0.10	0.9	198	0.5														
Jun/96	454	5	977	7.3	<1	109	44	348	3.3	13	0.03	0.7	233	1.4	0.005	<0.04	<0.001	<0.001	0.004	<0.001	<0.001	0.004	<0.001	0.003	0.02	0.75		
Jun/97	463	4	1,008	7.5	<1	110	46	346	3.0	12	<0.01	1.1	233	1.9	<0.002							<0.002						
Jun/98	644	3	1,008	8.1	<1	178	49	264	4.2	11	0.25	0.7	337	1.5	<0.010							<0.020						
Jun/99	692	3	1,200	7.3	<1	185	56	362	6.0	11	0.29	1.1	316	1.7	<0.002	0.025	<0.001	<0.002	0.003	<0.001	0.005	<0.002	<0.001	0.038	0.04	0.85		
Jun/00	699	14	1,236	7.3	<1	192	54	356	5.7	11	0.31	0.7	332	1.8	<0.002							<0.002						
Jun/01	630	3	1,181	7.4	<1	180	44	358	5.4	10	0.01	1.6	448	4.2			<0.001				0.010							
Jun/02	636	3	980	7.5	<1	198	44	260	4.4	11	0.15	1.1	517	2.8	<0.002	0.016	0.0005	0.005	0.009	<0.001	0.011	<0.002	<0.001	0.018	0.01	0.23		
Jun/03	639	3	1,353	7.2	<1	163	56	370	3.8	12	0.06	1.0	457	1.9			<0.0002				0.009							
Jun/04	744	3	1,240	7.4	<1	201	59	370	3.7	13	<0.06	0.9	384	1.9			<0.0002				0.005							
Jun/05	720	4	1,390	7.3	<1	193	58	370	0.020	12	0.10	1.6	376	<2	<0.001	0.013	<0.0002	<0.002	0.010	<0.002	0.008	<0.002			0.023	0.04		
Jun/06	803	3	1,430	7.3	<1	224	59	382	0.002	12	0.06	1.4	400	<2			<0.0002				<0.002		<0.001			0.70		
Jun/07	827	2	1,440	7.3	<1	233	60	364	0.014	13	<0.06	2.3	514	<2			<0.0002				0.002		<0.001			0.75		
Jun/08																												Connected to municipal water
Jun/09	117	17	255	7.4	<1	33	8	81	0.006	8	0.18	2.5	33	<2			<0.0002				0.001		<0.001			0.16		

Note:
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 Limited results prior to 1990 are available for flouride, total phosphorus, soluble phosphorus and TOC.
 Ammonia, TKN, Nitrites, Manganese and Cyanide no longer monitored. Historical data available.

Private Well #11
5615 Wellington Rd. S.



**Private Well #12
5725 White Oak Rd.**



**W12A Landfill
Water Well Monitoring Program**

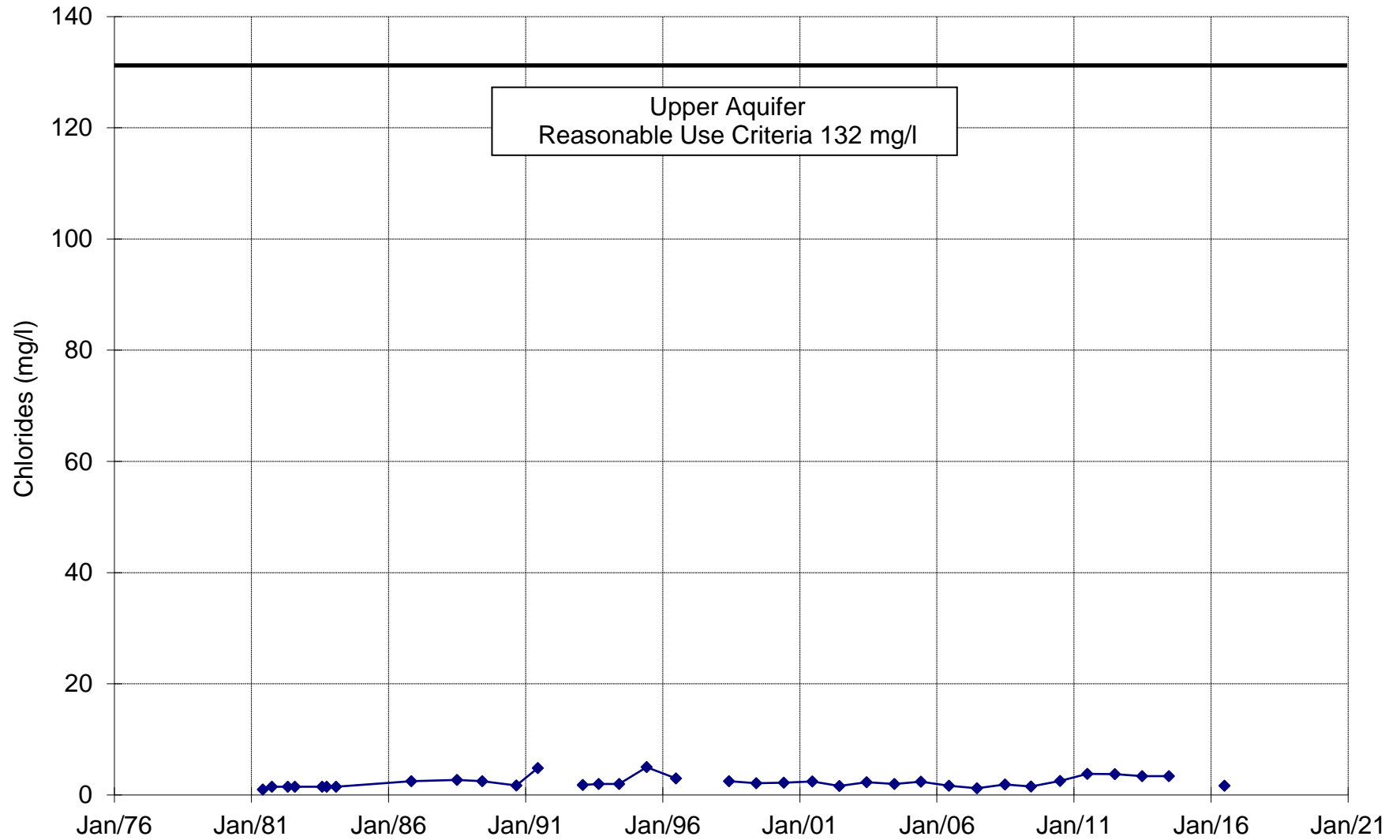
Private Well #13 Location: Crossgradient
5861 White Oak Rd. Hydrostatic Unit: Upper Aquifer
 Well Depth: 68 feet (original well 1981 - 1997)
 78 feet (new well 1997 - present)

AVG	243	2	509	7.6	0.2	61	22	259	3	20	0.1	0.7	30	0.7	0.00	0.22	0.000	0.001	0.001	0.00	0.005	0.000	0.00	0.1	0.1	0.7
STD	26	1	48	0.2	1.3	11	2	12	2.3	4	0.1	0.7	7	0.8	0.00	0.03	0.003	0.001	0.001	0.00	0.005	0.001	0.00	0.2	0.0	0.1
# of samples	36	35	36	36	35	36	36	30	31	29	29	25	29	25	14	12	22	12	10	14	20	13	12	10	8	11

PARAMETER	HARDNESS	Cl	CONDUCTIVITY	pH	PHENOL	Ca	Mg	ALKALINITY	Fe	Na*	NO ₃	DOC	SO ₄	K	As	Ba	Cd	Cr	Cu	Pb	Ni	Se	Ag**	Zn	B	Sr	Comments	
ODWO	100	250	umhos/cm	6.5 - 8.5	ug/l	mg/l	mg/l	500	0.3	200	10.00	5.0	500	mg/l	0.025	1.000	0.0050	0.050	1.000	0.010	mg/l	0.010	mg/l	5.0	5.0	mg/l		
Units	mg/l	mg/l						mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l		
Jun/81	235	1	505	7.6	<1	57	22	253	7.3	24	<.01		29	1.1	0.004	0.180	0.0060	0.003		0.006		<0.001						
Oct/81	215	2	483	7.6	<1	52	21																					
May/82	238	2	511	7.6	<1	60	21																					
Aug/82	222	2	492	7.7	1	55	20																					
Aug/83	243	2	525	7.5	<1	61	22																					
Oct/83	241	2	520	7.7	<1	61	22	260	6.3	23	<.01		30	0.9	0.003	0.180	0.0005	<0.003		0.010		<0.001						
Feb/84	242	2	520	7.7	<1	61	22																					
Nov/86	244	3	487	7.6	<1	61	22		6.2																			
Jul/88	237	3	545	7.4	<1	59	22	252	5.6																			
Jun/89	235	3	517	7.7	1	57	22	235	1.3	19	0.10		33	1.0														
Sep/90	245	2	542	7.6	1	62	22	273	2.8	20	<.01		35		0.004	0.230	0.00005	0.005	0.002	0.001	<0.0002	0.003	<0.00005	0.520				
Jun/91	196	5	460	7.5		37	25	256	4.1	18	0.03	1.0	26															
Jun/92	347		390	7.7	<1	110	18	252	6.2	24	0.20	1.1	23															
Feb/93	234	2	519	7.6	<1	57	22	259	4.8	20	0.10	0.7	34		0.021	0.193	0.0007				0.003			0.109				
Sep/93	234	2	540	7.6	<2	55	24	254	6.7	28	0.10	0.6	30	1.1	0.004	0.220	<0.001	<0.001	0.004	<0.001	<0.001	<0.002	<0.001	0.063	0.07	0.44		
Jun/94	174	2	495	7.7	<2	36	21	254	8.0	23	<0.01	0.5	16	1.2														
Jun/95	237	5	469	8.3	<1	60	21	274	5.8	26	0.16	1.2	8	<0.01														
Jun/96	242	3	520	7.7	<1	54	26	268	6.6	22	0.04	0.6	26	1.0	0.006	0.250	<0.001	<0.001	<0.001	0.001	<0.001	0.002	<0.001	0.032	0.03	0.90	new well 8/97	
Jun/98	257	3	535	7.8	<1	67	22	274	2.3	22	<0.01	<0.5	32	1.1	<0.010		<0.001	<0.002	<0.002	<0.001	<0.002	<0.020	<0.001	0.022	0.09	0.86		
Jun/99	251	2	533	8.0	<1	63	23	252	2.6	22	0.29	<0.5	30	1.2	0.002	0.270	<0.001	<0.002	<0.002	<0.001	<0.002	<0.002	<0.001	0.022	0.09	0.86		
Jun/00	255	2	546	7.7	<1	64	23	252	2.1	23	<0.01	<0.5	36	1.1	0.004							<0.002	<0.001	0.022	0.09	0.86		
Jun/01	239	2	517	7.6	<1	64	19	258	1.1	7	0.01	<0.5	43	3.3			<0.001				<0.001							
Jun/02	241	2	494	7.8	<1	66	18	220	1.5	22	<0.01	0.7	37	3.1	<0.002	0.214	<0.0002	0.003	0.003	<0.001	<0.002	<0.001	<0.001	0.015	0.01	0.38		
Jun/03	238	2	550	7.7	<1	59	22	258	1.8	22	0.03	<0.5	38	1.1			<0.0002				0.006							
Jun/04	241	2	497	7.4	<1	61	21	254	1.3	21	<0.06	0.6	41	<2			<0.0002				<0.002							
Jun/05	236	2	540	7.6	<1	59	22	248	1.3	19	<0.06	1.1	40	<2	0.005	0.195	<0.0002	<0.002	0.005	<0.002	0.007	<0.002		0.088	0.07			
Jun/06	239	2	545	7.5	<1	60	21	254	1.4	17	<0.06	0.9	30	<2			<0.0002				<0.002	<0.001				0.70		
Jun/07	232	1	545	7.6	<1	60	20	258	1.5	20	<0.06	0.9	33	<2			<0.0002				0.001	<0.001				0.73		
Jun/08	242	2	311	7.5	4.0	63	20	262	1.2	18	<0.06	3.8	32	<2	0.005	0.204	<0.0002	<0.001	<0.001	<0.001	0.001	<0.002	<0.001	<0.001	0.08	0.61		
Jun/09	251	2	458	7.6	<1	65	22	265	1.3	18	<0.06	1.6	30	<2			<0.0002				0.015	<0.001				0.76		
Jun/10	251	3	528	7.5	<1	65	22	274	1.6	19	<0.06	1.4	29	<2			<0.0002			<0.001	0.002	<0.001				0.68		
Jun/11	294	4	473	7.5	<1	75	26	270	1.7	21	0.43	0.7	28	<2	0.005	0.229	<0.0002	<0.001	<0.001	<0.001	0.014	<0.002	<0.001	0.003	0.07	0.64		
Jun/12	255	4	540	7.7	<1	66	22	272	1.5	17	<0.06	1.0	27	<2			<0.0002				0.012							
Jun/13	259	3	550	7.7	<1	67	23	269	1.6	18	0.05	<1.0	28	<2			<0.0002			<0.002	0.013							
Jun/14	254	3	550	7.6	<1	66	22	273	1.6	18	<0.06	<1.0	29	<2	0.004	0.227	<0.0002	<0.001	<0.001	<0.002	0.012	<0.0004	<0.0001	0.014	0.07	0.65	Refused	
Jun/15																												
Jun/16	254	2	570	7.6	<1	65	22	268	2.2	17	<0.06	<1.0	32	<2			<0.0002				0.013							Not occupied, no sample
Jun/17																												

Note:
 * Sodium level of 20 mg/l may be of concern if on sodium restricted diet
 ** Guideline value not required as drinking water contributes negligibly to an individual's daily intake (Canadian Drinking Water Guidelines)
 Limited results prior to 1990 are available for fluoride, total phosphorus, soluble phosphorus and TOC.
 Ammonia, TKN, Nitrites, Manganese and Cyanide no longer monitored. Historical data available.

**Private Well #13
5861 White Oak Rd.**



**W12A Landfill
Water Well Monitoring Program**

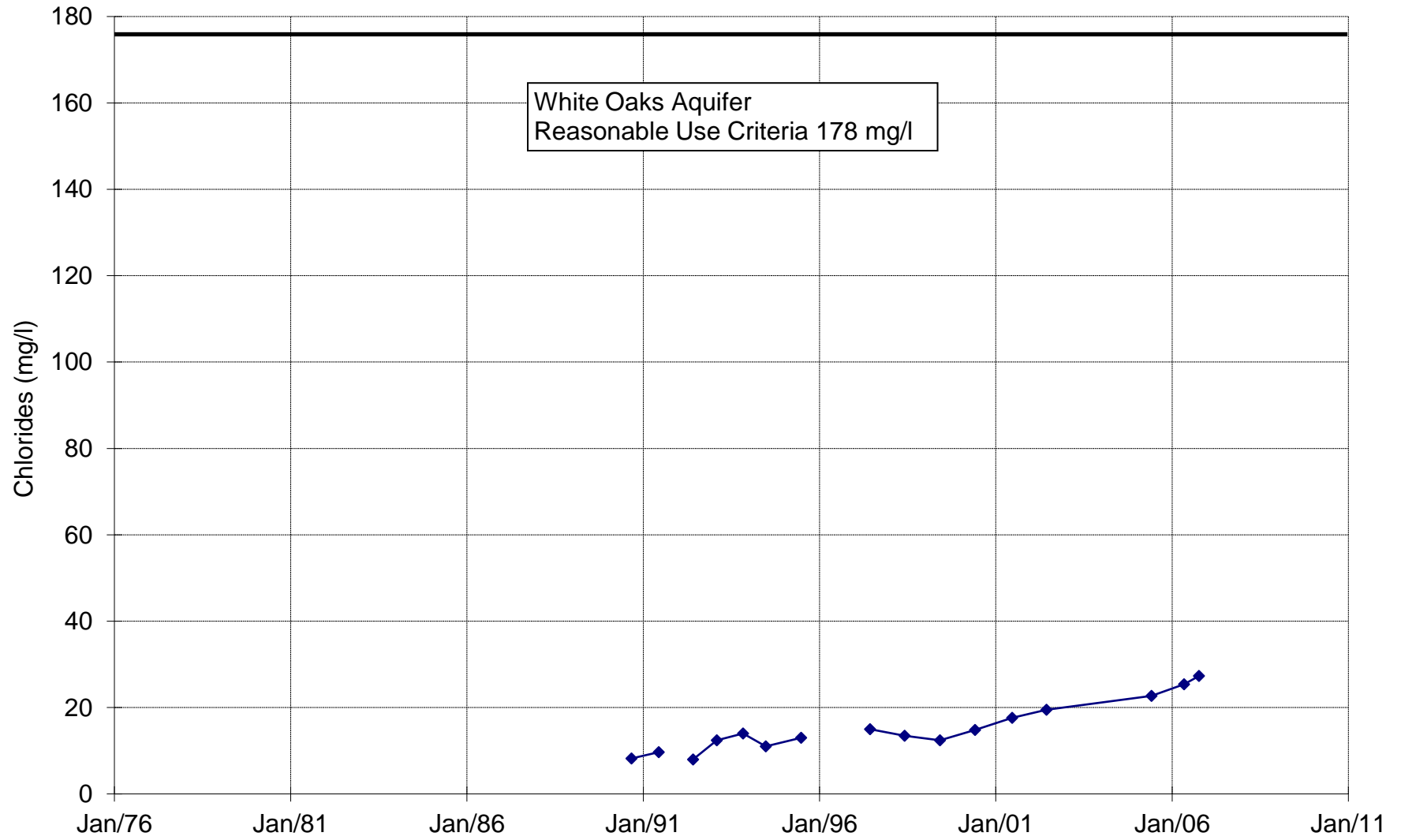
Private Well #14A (inside) Location: Downgradient
3502 Manning Dr. Hydrostatic Unit: White Oak Aquifer
Well Depth: 206 feet

AVG	596	15	1,154	7.5	0.4	170	42	316	4.0	8	0.1	1.6	338	3.3	0.00	0.2	0.00	0.002	0.03	0.00	0.005	0.0003	0.00	0.6	0.010	0.5
STD	185	6	321	0.4	1.6	55	17	27	4.9	3	0.1	0.4	168	4.6	0.01	0.2	0.00	0.000	0.02	0.00	0.002	0.0000	0.00	0.3	0.005	0.2
# of samples	16	16	16	16	15	16	16	16	15	15	16	15	15	12	9	6	8	5	5	5	7	8	4	6	4	3

PARAMETER	HARDNESS	Cl	CONDUCTIVITY	pH	PHENOL	Ca	Mg	ALKALINITY	Fe	Na*	NO ₃	DOC	SO ₄	K	As	Ba	Cd	Cr	Cu	Pb	Ni	Se	Ag**	Zn	B	Sr	Comments	
ODWO Units	100 mg/l	250 mg/l	umhos/cm	6.5 - 8.5	ug/l	mg/l	mg/l	500 mg/l	0.3 mg/l	200 mg/l	10.00 mg/l	5.0 mg/l	500 mg/l	mg/l	0.025 mg/l	1.000 mg/l	0.0050 mg/l	0.050 mg/l	1.000 mg/l	0.010 mg/l	mg/l	0.010 mg/l	0.050 mg/l	5.0 mg/l	5.0 mg/l	mg/l		
Sep/90	425	8	789	7.5	<1	123	29	297	4.2	5	<0.1	1.7	140		0.001	0.210	0.0001	0.006	0.003	0.001	<0.0002	0.002	.00005	0.520				
Jun/91	485	10	680	7.3		153	25	266	1.8	4	0.03	0.9	100															
Oct/91																												
Jun/92	655	8	590	7.5	4	223	24	280	1.6	9	0.11	1.6	130															
Feb/93	563	12	1,004	7.4	<1	157	42	323	4.3	5	0.10		304		0.022	0.654	0.0007							0.326				
Nov/93	697	14	1,050	8.1	0	199	49	294	6.0	5	0.02	2.8		1.4	<0.001	0.070	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	0.340	<0.02	0.32		
Jun/94	402	11	880	7.4	<2	107	33	288	0.1	9	<0.01	1.2	210	1.6														
Jun/95	549	13	1,037	7.4	<2	160	36	330	4.6	8	0.27	1.4	256	1.0														
Jun/96																												
Jun/97	646	15	1,064	7.5	<1	184	45	312	0.1	9	<0.01	1.8	285	1.9	<0.002							<0.002						
Jun/98	661	14	1,146	8.5	<1	189	46	310	0.1	7	0.27	1.2	364	1.6	<0.010							<0.020						
Jun/99	712	12	1,181	7.4	<1	204	49	336	1.4	7	0.29	1.4	323	1.7	<0.002	0.033	<0.001	<0.002	0.038	<0.001	0.008	<0.002	<0.001	0.610	0.02	0.36		
Jun/00	723	15	1,318	7.1	<1	167	74	318	7.0	15	<0.01	1.5	544	2.1	<0.002							<0.002						
Jun/01	37	18	1,670	7.2	<1	11	2	328			<0.01	1.4	644	18.4								<0.002						
Jun/02	844	20	1,372	7.6	<1	265	44	300	0.1	7	0.05	1.7	681	4.0	<0.002	0.020	<0.0002	0.005	0.060	<0.001	0.011	<0.002	<0.001	1.110	0.01	0.69		
Jun/05	720	23	1,560	7.2	2	192	59	348	0.03	7	<0.06	2.2	378	2.2	<0.001	0.017	<0.0002	<0.002	0.03	<0.002	0.0063	<0.002		0.741	0.01			
May/06	703	25	1,570	7.1	<1	187	57	348	8.95	6	<0.06	1.6	358	2.1			<0.0002				<0.002							
Oct-06	720	27	1,560	7.1	<1	192	58	372	19.1	10	0.27	1.9	355	2.1			0.0003				0.008							

Note:
 * Sodium level of 20 mg/l may be of concern if on sodium restricted diet
 ** Canadian Drinking Water Guideline
 Limited results prior to 1990 are available for flouride, total phosphorus, soluble phosphorus and TOC.
 Ammonia, TKN, Nitrites, Manganese and Cyanide no longer monitored. Historical data available.

**Private Well #14A (inside)
3502 Manning Dr.**



**W12A Landfill
Water Well Monitoring Program**

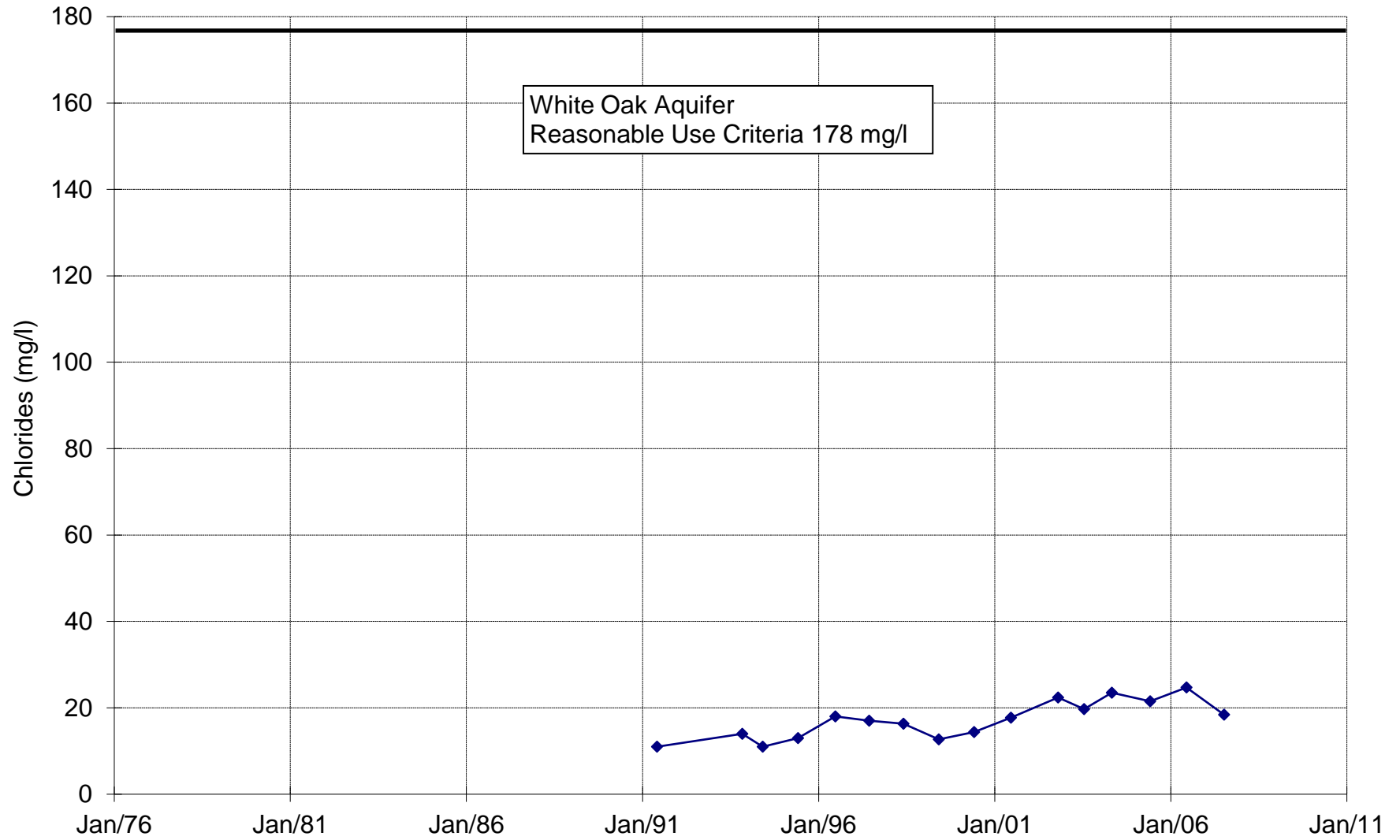
Private Well #14B (outside) Location: Downgradient
3502 Manning Dr. Hydrostatic Unit: White Oak Aquifer
 Well Depth: 206 feet

AVG	646	17	1,188	7.4	0.3	184	45	278	3.9	8	0.1	1.7	358	1.7	0.001	0.04	0.0001	0.00	0.0264	0.00	0.002	0.0006	0.0000	0.5	0.03	0.33
STD	191	4	339	0.3	0.4	57	14	67	3.1	2	0.1	0.9	159	0.7	0.000	0.02	0.0000	0.00	0.0572	0.00	0.001	0.0000	0.0000	0.4	0.03	0.06
# of samples	16	16	16	15	16	16	16	16	16	15	15	16	16	13	10	7	10	7	7	7	10	10	4	8	6	4

PARAMETER	HARDNESS	Cl	CONDUCTIVITY	pH	PHENOL	Ca	Mg	ALKALINITY	Fe	Na*	NO ₃	DOC	SO ₄	K	As	Ba	Cd	Cr	Cu	Pb	Ni	Se	Ag**	Zn	B	Sr	Comments	
ODWO	100	250		6.5 - 8.5				500	0.3	200	10.00	5.0	500		0.025	1.000	0.0050	0.050	1.000	0.010		0.010	0.050	5.0	5.0			
Units	mg/l	mg/l	umhos/cm		ug/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	
Jun/91	455	11	700		<1	142	25	276	0.1	4	<0.01	0.7	110															
Nov/93	695	14	1,030	8.2	<1	198	49	ND	5.2		0.02	2.3	280	1.3	<0.001	0.080	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	0.480	<0.02	0.32		
Jun/94	373	11	890	7.5	1.0	85	33	300	0.1	9	<0.01	1.4	210	1.7														
Jun/95	508	13	1,037	7.4	<1	160	36	330	4.6	8	0.27	1.4	256	1.0														
Jun/96	665	18	1,041	7.3	<1	191	46	310	0.2	10	0.04	1.1	294	1.6	0.005	0.050	<0.001	<0.001	0.010	<0.001	<0.001	0.006	<0.001	0.470	<0.02	0.40		
Jun/97	646	17	1,247	7.3	<1	177	50	244	5.9	9	<0.01	2.7	406		<0.002							<0.002	<0.001					
Jun/98	757	16	1,222	8.0	<1	219	51	224	7.1	7	<0.01	1.2	468		<0.01							<0.020	<0.001					
Jun/99	728	13	1,183	7.4	<1	210	50	316	5.1	7	0.29	1.4	340	1.8	<0.002	0.037	<0.001	<0.002	0.002	<0.001	0.005	<0.002	<0.001	0.300	0.02	0.35		
Jun/00	730	14	1,299	7.2	<1	210	50	316	5.3	7	<0.01	1.5	448	2.0	<0.002							<0.002	<0.001					
Jun/01	710	18	1,398	7.2	<1	208	47	340	4.9	12	<0.01	1.6	663	3.0		<0.001					<0.001	<0.001						
Oct/02	873	22	1,502	7.4	1.9	250	61	336	2.4	8	0.33	0.9	597	3.3	<0.002	0.022	0.0004	<0.001	<0.001	<0.001	<0.001	<0.002		0.276	0.09			
Jul/03	728	20	1,477	7.6	1.7	213	48	332	0.0	6	0.22	1.8	365	<2	<0.002	0.022	<0.0002	<0.002	0.016	<0.002	0.004	<0.002		1.134				
Apr/04	731	24	1,530	7.0	<1	192	61	316	0.1	8	<0.06	1.7	382	2.7		<0.0002					0.002			0.993				
Jun/05	722	22	1,570	7.2	1.0	193	58	354	8.3	7	<0.06	4.6	380	2.2	<0.001	0.021	0.0003	<0.002	0.005	<0.002	0.003	<0.002		0.001	0.02			
Jun/06	908	25	1,580	7.2	<1	269	57	364	9.8	7	<0.06	1.8	495	2.1			0.0004	<0.001	0.151	<0.001	<0.002	<0.001	<0.001			0.25		
Jul/07	113	18	303	7.5	<1	32	8	88	3.1	8	0.17	1.9	34	<2.0	<0.001	0.021	<0.002	<0.001	0.151	<0.001	0.001	<0.010		0.057	0.052			
Jun/08																												Connected to municipal water

Note:
 * Sodium level of 20 mg/l may be of concern if on sodium restricted diet
 ** Canadian Drinking Water Guideline
 Limited results prior to 1990 are available for flouride, total phosphorus, soluble phosphorus and TOC.
 Ammonia, TKN, Nitrites, Manganese and Cyanide no longer monitored. Historical data available.

**Private Well #14B (outside)
3502 Manning Dr.**



**W12A Landfill
Water Well Monitoring Program**

**Private Well #15
3290 Manning Dr.**

Location: Downgradient
Hydrostatic Unit: White Oak Aquifer
Well Depth: 175 feet

AVG	212	2	427	7.7	0.2	59	16	198	1.8	12	0.1	1.6	23	1.5	0.003	0.3	0.0001	0.001	0.005	0.001	0.004	0.0007	0.00	0.02	0.06	0.3
STD	26	3	72	0.2	0.5	10	2	15	1.1	9	0.1	0.3	65	0.7	0.002	0.1	0.0000	0.001	0.004	0.001	0.009	0.0000	0.00	0.02	0.03	0.1
# of samples	19	21	21	21	19	19	19	14	16	14	13	8	13	10	7	6	7	6	5	6	6	6	3	5	3	2

PARAMETER	HARDNESS	Cl	CONDUCTIVITY	pH	PHENOL	Ca	Mg	ALKALINITY	Fe	Na*	NO ₃	DOC	SO ₄	K	As	Ba	Cd	Cr	Cu	Pb	Ni	Se	Ag**	Zn	B	Sr	Comments		
ODWO Units	100 mg/l	250 mg/l	umhos/cm	6.5 - 8.5	ug/l	mg/l	mg/l	500 mg/l	0.3 mg/l	200 mg/l	10.00 mg/l	5.0 mg/l	500 mg/l	mg/l	0.025 mg/l	1.000 mg/l	0.0050 mg/l	0.050 mg/l	1.000 mg/l	0.010 mg/l	mg/l	0.010 mg/l	0.050 mg/l	5.0 mg/l	5.0 mg/l	mg/l			
Aug/76	204	1	400	7.1		57	15	216	1.4		<.01		5																
Jun/78	203	1	408	7.7	<1	55	16	220	1.7	9	<.01		5	1.2															
Jun/79		1	408	7.6	<1				1.6	9																			
Sep/80		1	411	7.7	<1				0.3	9																			
Jun/81	210	1	406	7.7	<1	58	16	222	1.4	9	<.01		4	1.3	0.007	0.200	<.0001	0.002		<.003		<.0001							
Oct/81	207	1	408	7.6	<1	57	16																						
May/82	208	1	404	7.7	<1	58	15																						
Aug/82	217	1	409	7.7	<1	57	18																						
Jul/83	208	1	406	7.6	<1	58	15																						
Nov/86	203	<1	407	7.6	<1	57	15		2.9																				
Aug/87	209	1	403	7.5	<1	58	16																						
Jun/89	195	1	425	7.7	1.0	55	14	211	1.3	8	0.10		6	1.2															
Sep/90	204	0	418	7.7	<1	56	15	231	1.3	8	<0.1	1.7	6		0.005	0.370	0.0002	0.005	0.002	0.000	<0.0002	0.004	.00005	0.023					
Jun/91	277	4	395	7.6		87	14	218	2.0	12	<0.03	1.0	11																
Sep/93	213	1	408	7.7	<2	56	18	216	2.1	16	0.07	1.4	12	1.3	0.003	0.230	<0.001	<0.001	0.003	<0.001	<0.001	<0.002	<0.001	0.004	0.03	0.21			
Jun/94	178	3	403	7.9	<2	47	15	218	2.8	11	<0.01	1.3	<2	1.5															
Jun/95																													
Jun/96																													
Jun/97	225	4	515	7.9	<1	53	23	234	0.3	11	<0.01	1.9	<2	1.7	0.003							<0.002							
Jun/98																													
Jun/99	223	2	399	8.0	<1	62	17	218	2.1	11	0.29		9	1.4	0.002	0.330	<0.001	<0.002	0.003	0.002	<0.002	<0.002	<0.001	0.013	0.04	0.46			
Jun/00																													No access
Jun/01	282	16	730	7.5	<1	86	16	174	5.1	43	<0.01	1.5	234	3.5			<0.001				0.004								
Jun/02																													
Dec/02	177	3	399	8.0	2.0	46	15	195	0.4	9	0.41	1.8	6	1.4	<0.002	0.292	<0.0002	<0.001	0.005	0.001	0.001	<0.002		0.007	0.10				
Jul/03	194	3	398	7.8	1.1	53	15	204	1.9	9	0.09	1.8	5	1.1	0.003	0.246	0.0003	<0.002	0.013	<0.002	0.021			0.071					
Jun/04																													No access
Jun-05																													Removed from monitoring program

Note:

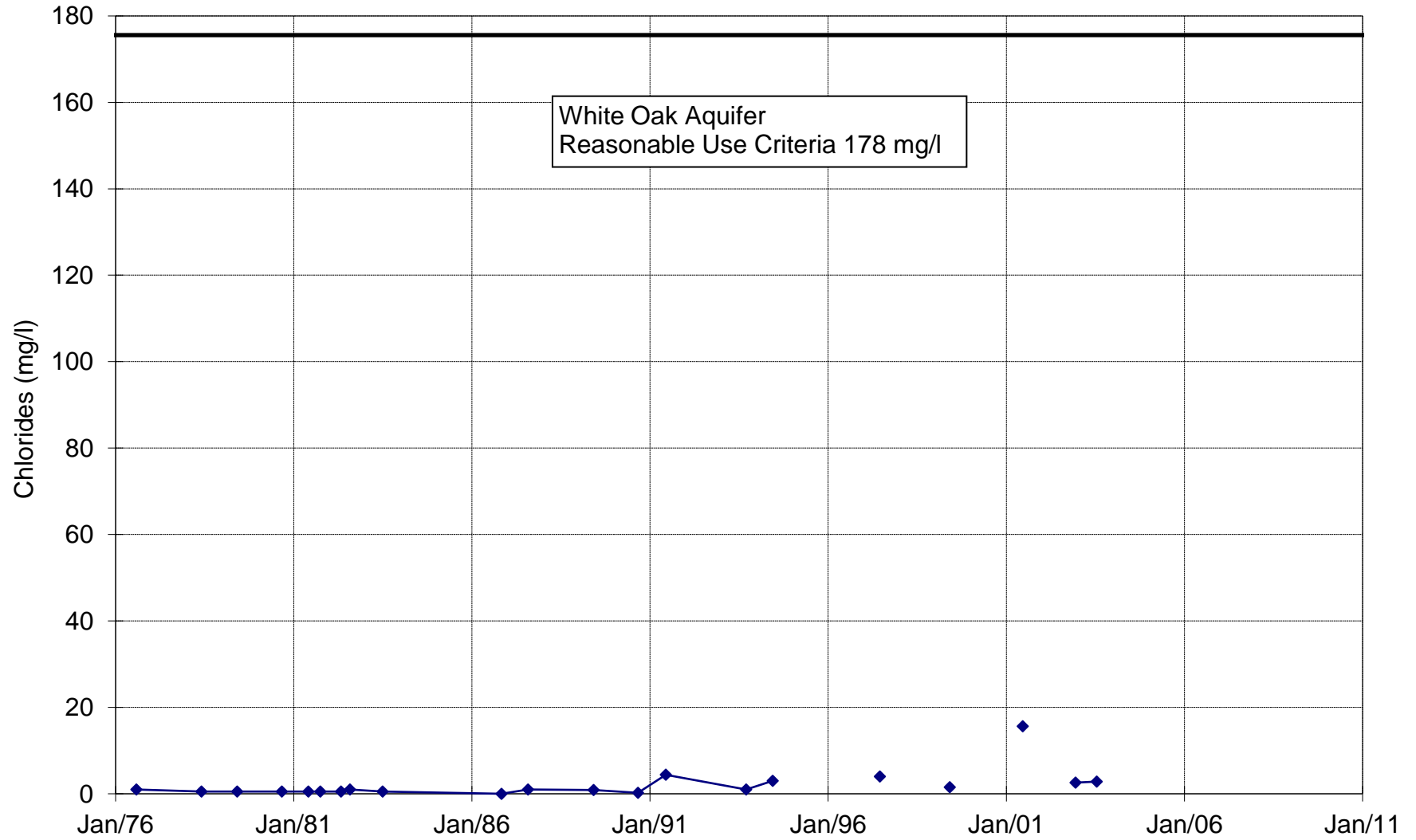
* Sodium level of 20 mg/l may be of concern if on sodium restricted diet

** Canadian Drinking Water Guideline

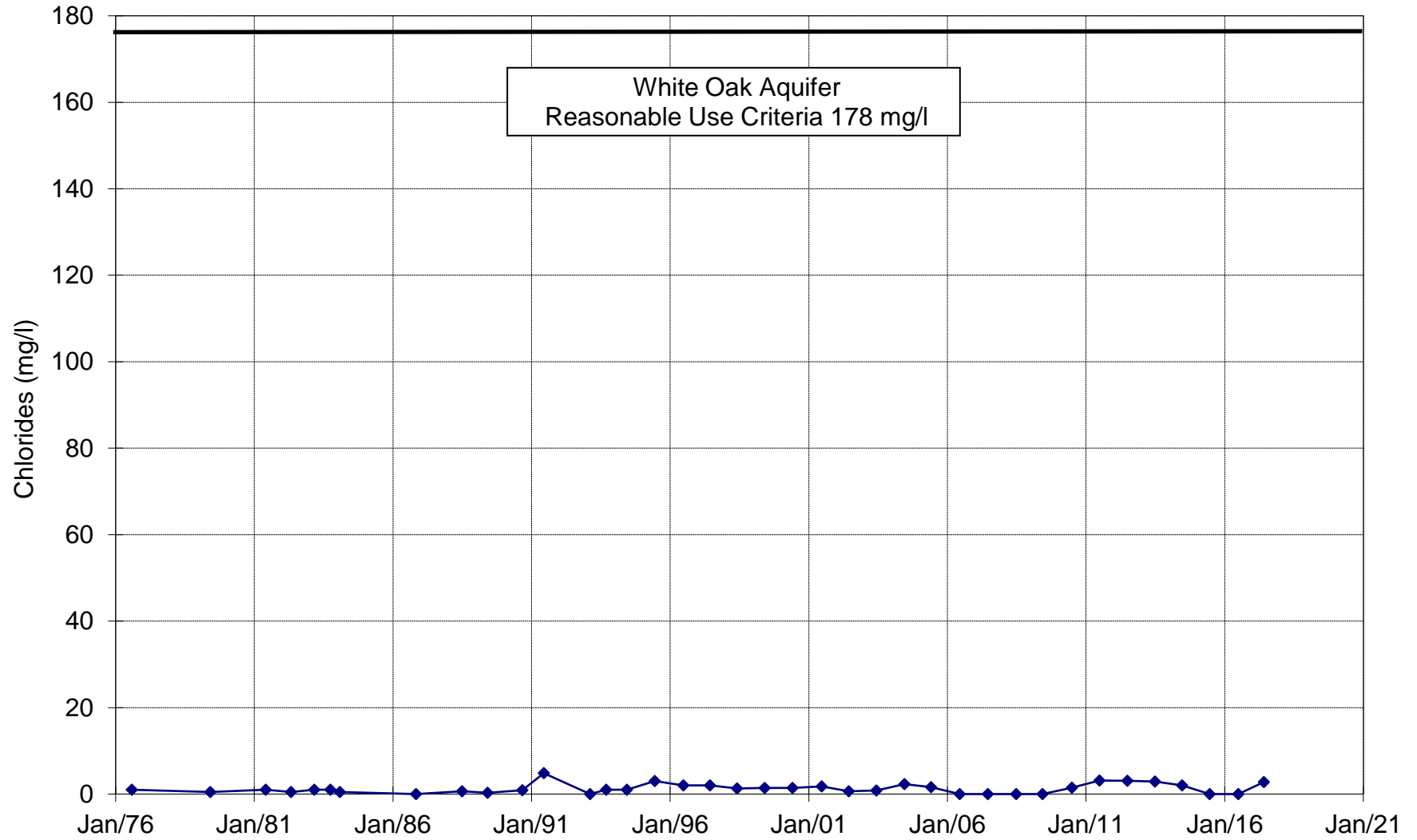
Limited results prior to 1990 are available for fluoride, total phosphorus, soluble phosphorus and TOC.

Ammonia, TKN, Nitrites, Manganese and Cyanide no longer monitored. Historical data available.

**Private Well #15
3290 Manning Dr.**



Private Well #16
5751 Wellington Rd. S



W12A Landfill
Water Well Monitoring Program

Private Well #17
5908 Wellington Rd. S.

Location: Crossgradient
Hydrostatic Unit: White Oak Aquifer
Well Depth: 144 feet

AVG	230	4	461	7.8	0.0	59	20	242	1.6	12	0.1	1.3	14	0.8	0.007	0.08	0.0001	0.002	0.2	0.003	0.008	0.001	0.00	0.15	0.03	0.6
STD	22	6	49	0.2	0.5	10	2	17	1.1	3	0.1	0.8	6	0.5	0.005	0.03	0.0005	0.008	0.3	0.006	0.021	0.001	0.00	0.07	0.01	0.1
# of samples	30	30	30	30	29	30	30	29	29	29	29	26	29	25	16	12	22	14	13	15	21	16	15	12	10	13

PARAMETER	HARDNESS	Cl	CONDUCTIVITY	pH	PHENOL	Ca	Mg	ALKALINITY	Fe	Na*	NO ₃	DOC	SO ₄	K	As	Ba	Cd	Cr	Cu	Pb	Ni	Se	Ag**	Zn	B	Sr	Comments	
ODWO Units	100 mg/l	250 mg/l	umhos/cm	6.5 - 8.5	ug/l	mg/l	mg/l	500 mg/l	0.3 mg/l	200 mg/l	10.00 mg/l	5.0 mg/l	500 mg/l	mg/l	0.025 mg/l	1.000 mg/l	0.0050 mg/l	0.050 mg/l	1.000 mg/l	0.010 mg/l	mg/l	0.010 mg/l	mg/l	5.0 mg/l	5.0 mg/l	mg/l		
Jul/83	228	1	410	7.7	<1	57	21	241	0.9	10	0.02		8	1.3	0.009	0.089	<0.0002	<0.001	0.013	<0.003	<0.001	<0.001	<0.005	0.100				
Oct/83	223	1	439	7.8	<1	57	20	241	0.4	9	0.01		9	0.8	0.005	0.087	<0.0005	<0.003		<0.003		<0.001	<0.001					
Feb/84	224	1	443	7.7	<1	57	20																					
Jun/89	221	0	454	7.8	<1	55	21	243	1.0	10	<0.1		11	1.4														
Sep/90	217	1	454	7.9	<1	54	20	241	1.0	11	<0.1	0.9	11		0.016	0.110	<0.0005	0.004	0.019	0.007	<0.002	<0.001	0.000	0.160				
Jun/91	276	5	418	7.7		79	19	236	0.7	12	0.03	0.8	17															
Sep/93	209	1	456	7.8	<2	48	22	224	1.7	16	0.07	1.3	15	1.6	0.005	0.150	<0.001	<0.001	0.001	<0.001	<0.001	<0.002	<0.001	0.026	0.03	0.53		
Jun/94	177	2	450	7.8	1.0	40	19	244	3.0	14	<0.01	0.5	8	1.6														
Jun/95	218	5	456	8.4	<1	59	17	246	2.0	15	0.03	1.4	8	0.3														
Jun/96	232	3	446	7.7	<1	54	24	232	2.4	14	0.03	1.0	11	1.3	0.013	0.110	<0.001	<0.001	0.005	<0.001	<0.001	0.005	<0.001	0.072	0.05	0.82		
Jun/97	230	8	455	7.7	<1	66	16	244	3.5	23	0.04	3.8	17		0.003							<0.002	<0.001	0.072	0.05	0.82		
Jun/98	208	2	416	7.7	<1	45	23	236	2.0	12	0.24	0.6	12		0.020							<0.020	<0.001	0.150	0.05	0.75		
Jun/99	238	2	438	8.2	<1	55	24	226	5.7	12	0.29	0.7	15	1.4	0.008	0.050	<0.0001	<0.0002	0.097	0.020	0.003	<0.002	<0.001	0.150	0.05	0.75		
Oct/99	229	2	431	7.5	<1	54	23	240	1.7	12	0.20	0.7	13	1.6	0.008		<0.020	0.019	0.062	<0.001	<0.001	<0.002	<0.001	0.185		0.77	resampled	
Jun/00	231	2	456	7.9	<1	56	22	236	1.3	12	<0.001	0.8	11	1.7	0.003							<0.002	<0.001					
Jun/01																												
Oct/01	254	3	466	7.9	0.0	67	21	266	2.9	12	0.04	0.9	40	2.0	<0.002	0.087	0.0012	<0.001	1.235	0.007	0.007	0.007	<0.001	0.187	0.04	0.64		
Jun/02	213	2	432	8.3	<1	58	17	240	0.8	11	0.03	1.1	16	2.6	<0.002	0.065	<0.0002	0.001	0.100	<0.001	0.007	<0.002	<0.001	0.156	0.00	0.53		
Jun/03	219	1	466	7.8	<1	52	22	234	1.3	11	0.02	0.5	15	1.4			0.0002				0.005							
Jun/04	219	2	446	7.7	<1	52	22	212	1.6	11	<0.06	0.7	20	<2.0			<0.0002				0.002							
Jun/05	214	1	457	7.9	<1	50	22	218	0.7	9	<0.06	1.1	23	<2.0	0.010	0.069	<0.0002	<0.002	0.424	0.005	0.004	<0.002		0.176	0.04			
Jun/06	221	3	469	7.7	<1	55	21	234	1.0	9	<0.06	1.8	13	<2.0			<0.0002				<0.002		<0.001			0.57		
Jun/07	219	2	471	7.8	<1	54	20	226	1.0	10	<0.06	2.3	13	<2.0			<0.0002				0.002		<0.001			0.61		
Jun/08																												Connected to municipal water
Jun/09	222	2	416	7.7	<1	56	20	239	0.7	9	<0.06	1.1	12	<2.0			<0.0002				0.014	<0.001	<0.001			0.72		
Jun/10	224	<1	449	7.7	<1	54	22	249	1.4	11	0.06	1.9	12	<2.0			<0.0002			<0.001	0.002	<0.001	<0.001	0.083	0.04	0.72		
Jun/11	253	6	410	7.7	<1	67	21	233	1.3	13	0.09	0.9	11	<2.0	0.003	0.067	<0.0002	<0.001	0.045	<0.001	0.012	<0.002	<0.001	0.083	0.04	0.50		
Jun/12	232	6	480	7.7	<1	62	19	246	1.5	10	<0.06	<0.5	12	<2.0			<0.0002				0.010							
Jun/13																												No access, no sample
Jun/14	287	13	600	7.5	<1	82	20	306	2.8	15	<0.06	2.5	10	<2.0	0.003	0.064	0.0002	<0.001	0.022	<0.002	0.011	<0.0004	<0.0001	0.232	0.03	0.51		
Jun/15	240	1	470	7.8	<1	57	23	250	1.1	11	<0.10	0.8	14	1.0			<0.005				<0.05							
Jun/16	256	26	590	7.6	<1	76	17	248	0.1	18	<0.06	2.2	14	<2.0			<0.0002				0.010							
Jun/17	274	19	600	7.6	<1	86	14	276	2.4	19	0.40	2.6	14	<2.0	0.002	0.048	<0.0002	<0.001	0.105	<0.002	0.086	<0.00005	<0.001	0.288	0.01	0.27		

Note:

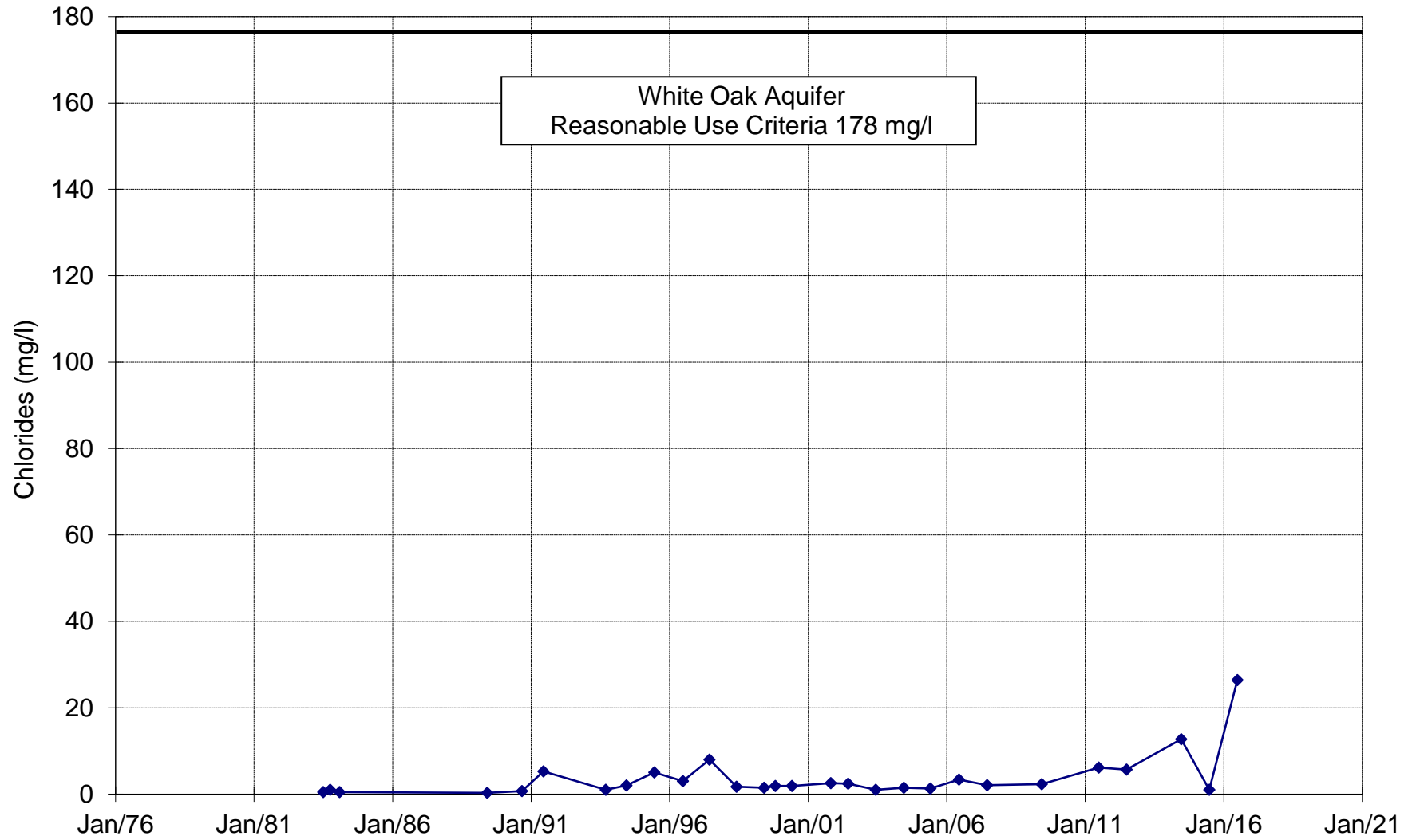
* Sodium level of 20 mg/l may be of concern if on sodium restricted diet

** Guideline value not required as drinking water contributes negligibly to an individual's daily intake (Canadian Drinking Water Guidelines)

Limited results prior to 1990 are available for fluoride, total phosphorus, soluble phosphorus and TOC.

Ammonia, TKN, Nitrites, Manganese and Cyanide no longer monitored. Historical data available.

**Private Well #17
5908 Wellington Rd. S.**



W12A Landfill
Water Well Monitoring Program

Private Well #18
4025 Manning Dr.

Location: Crossgradient
Hydrostatic Unit: Upper Aquifer
Well Depth: 67 feet

AVG	206	2	497	7.8	0.4	49	20	225	0.8	33	0.03	0.8	47	1.228	0.007	0.11	0.00003	0.001	0.002	0.000	0.005	0.001	0.00001	0.04	0.12	0.9
STD	20	1	39	0.2	0.8	7	2	14	0.3	4	0.09	0.6	12	2.053	0.009	0.02	0.00001	0.001	0.001	0.002	0.006	0.000	0.00000	0.02	0.05	0.2
# of samples	36	38	37	38	36	35	35	30	32	30	29	22	28	24	13	10	18	9	8	11	17	12	9	8	6	8

PARAMETER	HARDNESS	Cl	CONDUCTIVITY	pH	PHENOL	Ca	Mg	ALKALINITY	Fe	Na*	NO ₃	DOC	SO ₄	K	As	Ba	Cd	Cr	Cu	Pb	Ni	Se	Ag**	Zn	B	Sr	Comments	
ODWO	100	250	umhos/cm	6.5 - 8.5	ug/l	mg/l	mg/l	500	0.3	200	10.00	5.0	500	mg/l	0.025	1.000	0.0050	0.050	1.000	0.010	mg/l	0.010	0.050	5.0	5.0	mg/l		
Units	mg/l	mg/l						mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l		
Aug/76	216	2		8.0				245	1.1		<.01																	
Jun/78	210	2	510	7.7	<1	48	22	239	0.6	30	0.01		36	1.0														
Jun/79		2	510	7.6	<1																							
Sep/79		2	500	7.7	<1				0.7	27																		
Jun/81	210	1	496	7.9	<1	49	22	236	0.7	31	<.01		40	1.0	0.003	0.110	0.0003	0.002		<.003		<.001						
Oct/81	215	1	505	7.6	<1	51	20																					
May/82	212	1	510	7.7	<1	52	20																					
Aug/82	210	2	510	7.8	<1	51	20																					
Mar/83	206	2	505	7.6	<1	48	21																					
Aug/83	213	2	505	7.6	<1	51	21																					
Oct/83	208	2	500	7.8	<1	49	21	235	0.5	31	<.01		27	9.0	0.003	0.110	<.0005	<.003		0.004		<.001						
Aug/87	212	2	515	7.6	<1	50	21																					
Jul/88	212	2	500	7.5	<1	51	21	226	1.1																			
Jun/89	200	2	504	7.7	1	47	20	232	0.4	30	0.20		47	0.9														
Sep/90	199	2	506	7.9	<1	46	20	236	1.4	33	10.1		42		0.008	0.130	<.00005	0.004	0.003	0.001	<.0002	<.001	0.000	0.081				
Jun/91	233	7	490	7.6		62	19	224	0.9	26	0.03	0.5	35															
Jun/92	251	<1	392	7.8	3	76	15	224	0.4	24	<.01	1.1	32															
Feb/93	201	2	504	7.9	<1	46	21	226	0.9	35	<.01		50		0.034	0.110					0.002			0.044				
Sep/93	186	2	515	7.7	<2	39	22	224	1.0	36	0.03	0.6	52	1.3	0.007	0.140	<.0001	<.0001	0.005	<.0001	<.0001	<.0002	<.0001	0.042	0.13	0.78		
Jun/94	183	4	498	7.8	2	40	20	218	1.2	32	<.001	0.6	41	1.2														
Jun/95	237	4	513	8.4	<1	63	20	242	1.0	39	<.001	1.1	44	0.1														
Jun/96	262	5	533	7.6	<1	58	29	264	0.2	27	0.03	0.6	45	2.5	0.014	0.120	<.0001	<.0001	<.0001	<.0001	<.0001	0.007	<.0001	0.002	0.16	1.25		
Jun/97	234	5	493	7.8	<1	55	24	226	0.1	28	0.04	0.7	42	1.6	0.006							<.0002						
Jun/98	206	1	503	8.4	<1	50	19	234	1.1	34	0.25	0.6	7	1.1	<.0010							<.0020						
Jun/99	230	2	500	8.2	2	56	22	224	1.2	35	<.001	0.5	42	1.4	0.003	0.120	<.0001	<.0002	0.002	<.0001	<.0002	<.0002	<.0001	0.029	0.15	1.10		
Jun/00	210	2	513	7.8	<1	49	21	224	1.2	34	<.001	0.8	50	1.1	0.005							<.0002						
Jun/01	181	3	490	8.0	<1	44	18	220	1.1	39	0.01	<.05	66	3.1			<.0001				0.007							
Jun/02	191	2	480	8.0	<1	49	17	180	0.8	36	0.01	0.9	60	3.3	<.0002	0.098	0.0003	<.0001	0.004	<.0001	0.003	<.0002	<.0001	0.049	0.01	0.86		
Jun/03	190	2	526	7.9	2	45	19	218	0.7	35	0.02	0.5	55	1.1			<.0002				<.0002							
Jun/04	197	2	472	7.8	<1	44	21	214	0.5	39	<.006	0.5	57	<2			<.0002				0.003							
Jun/05	187	2	513	7.7	1	43	19	210	0.7	35	<.006	1.1	60	<2	0.005	0.089	<.0002	<.0002	0.004	<.0002	0.004	<.0002		0.053	0.13			
Jun/06	189	2	518	7.7	<1	44	19	216	0.5	31	<.006	1.0	51	<2			<.0002				<.0002							
Jun/07	180	1	544	7.8	<1	43	18	218	0.6	32	<.006	1.2	56	<2			<.0002				0.002	<.0001					0.82	
Jun/08	181	2	310	7.5	3	43	18	218	0.2	34	<.006	3.2	55	<2	0.002	0.094	<.0002	<.0001	<.0001	<.0001	<.0001	<.0002	<.0001	0.050	0.16	0.85		
Jun/09	189	1	456	7.4	<1	45	19	230	0.6	34	0.25	0.8	54	<2			<.0002				0.017							
Jun/10	188	3	502	7.7	<1	45	19	226	0.7	36	0.06	1.4	54	<2			<.0002			<.0001	0.017	<.0001					0.96	
Jun/11																												No Entry
Jun/12	193	4	520	7.7	<1	45	19	218	0.7	36	<.006	<.05	56	<2			<.0002				0.013							
Jun/13	193	4	520	7.8	<1	45	20	214	0.9	35	0.06	<.10	57	<2			<.0002			<.0002	0.012							
Jun/14																												No access, no sample
Jun/17																												historic monitoring well

Note:

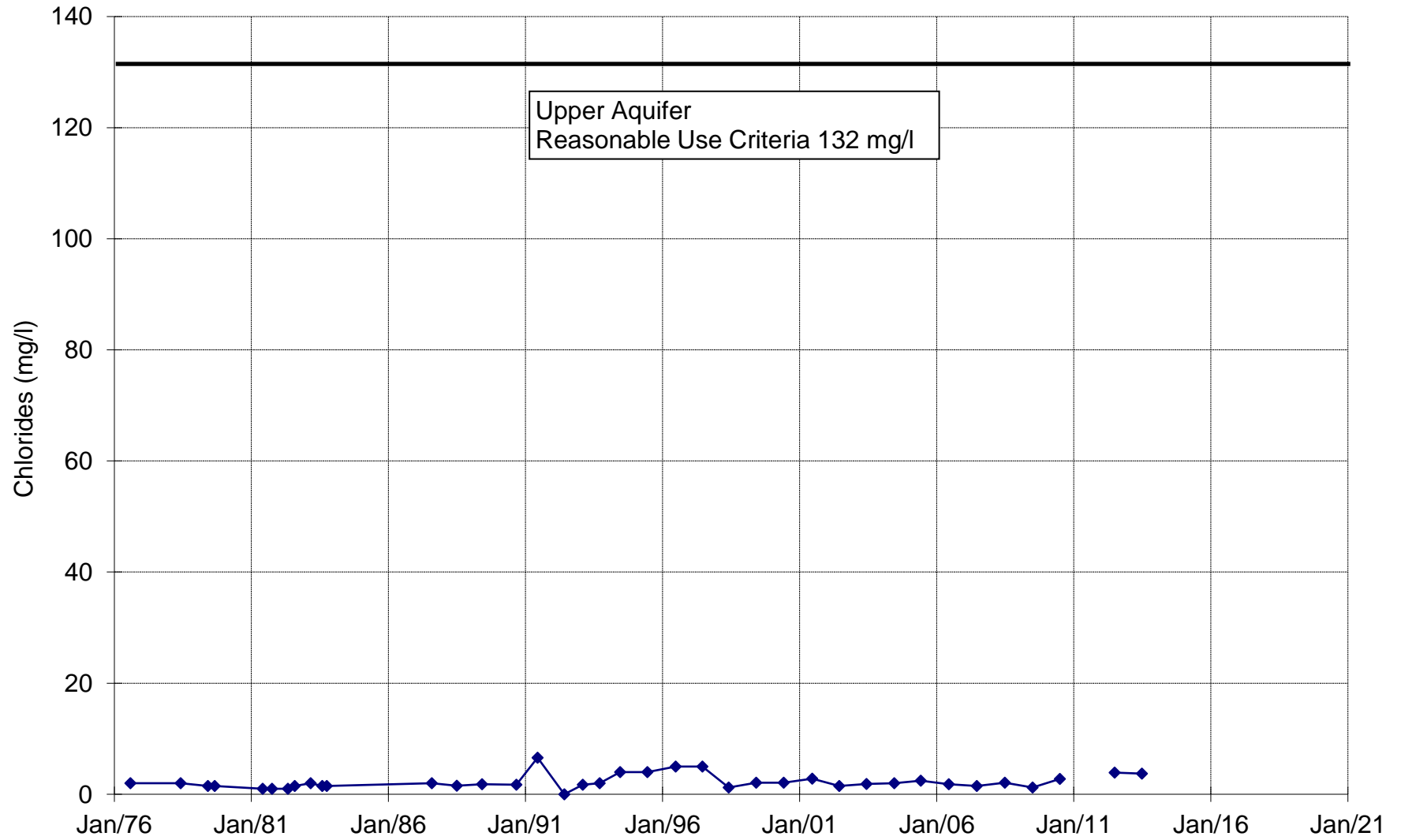
* Sodium level of 20 mg/l may be of concern if on sodium restricted diet

** Canadian Drinking Water Guideline

Limited results prior to 1990 are available for flouride, total phosphorus, soluble phosphorus and TOC.

Ammonia, TKN, Nitrites, Manganese and Cyanide no longer monitored. Historical data available.

**Private Well #18
4025 Manning Dr.**



**W12A Landfill
Water Well Monitoring Program**

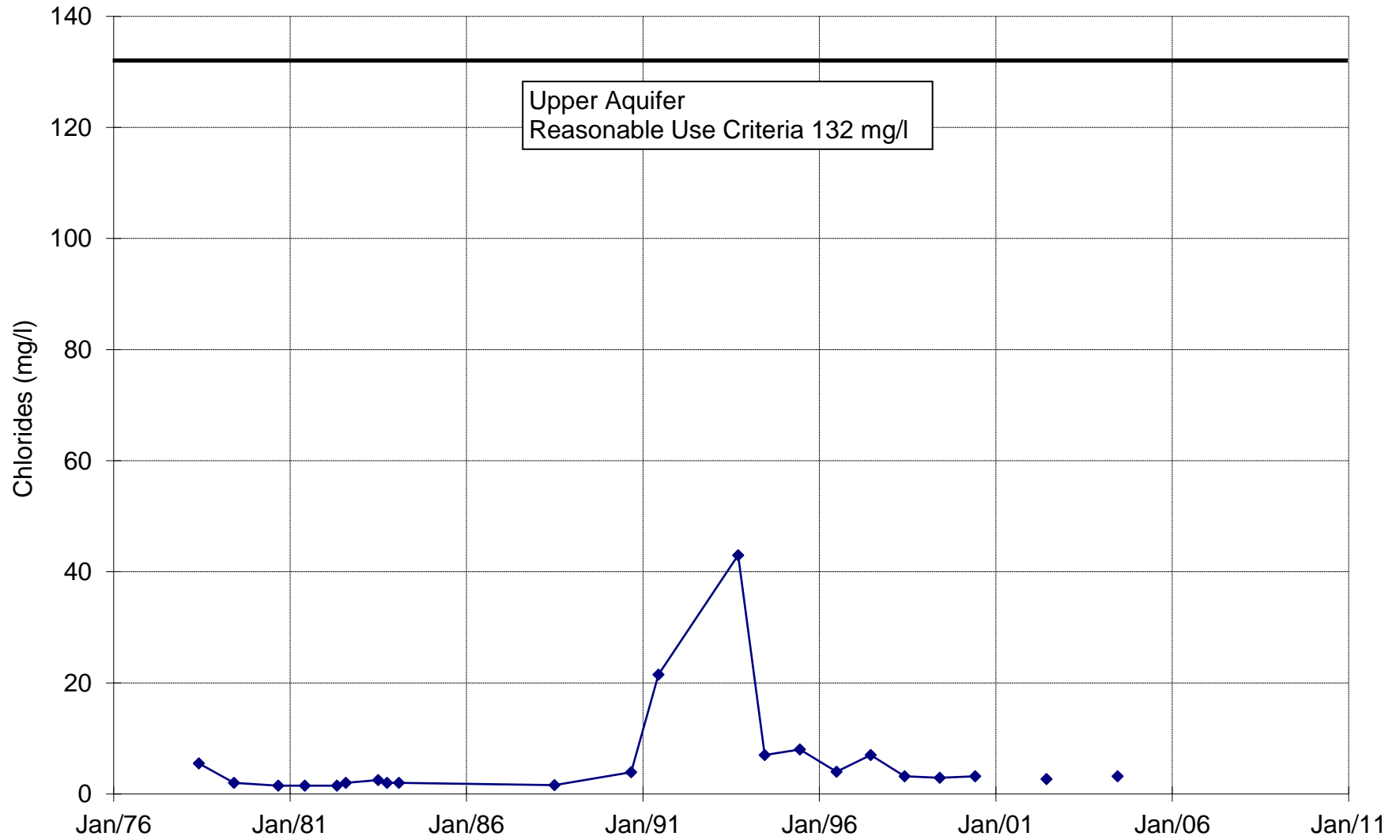
Private Well #19 Location: Downgradient
6100 White Oak Rd. Hydrostatic Unit: Upper Aquifer
 Well Depth: 72 feet

AVG	242	6	541	7.8	1	61	22	245	0.9	26	0.2	1.0	31	1.9	0.003	0.18	0.0000	0.001	0.01	0.003	0.000	0.0005	0.00	0.04	0.12	0.8
STD	17	9	31	0.3	4	8	2	16	0.7	7	0.5	0.4	8	0.9	0.003	0.03	0.0001	0.001	0.01	0.003	0.001	0.0000	0.00	0.03	0.02	0.2
# of samples	21	22	22	22	22	21	21	17	18	17	16	12	16	14	11	8	9	8	7	8	7	11	6	6	4	4

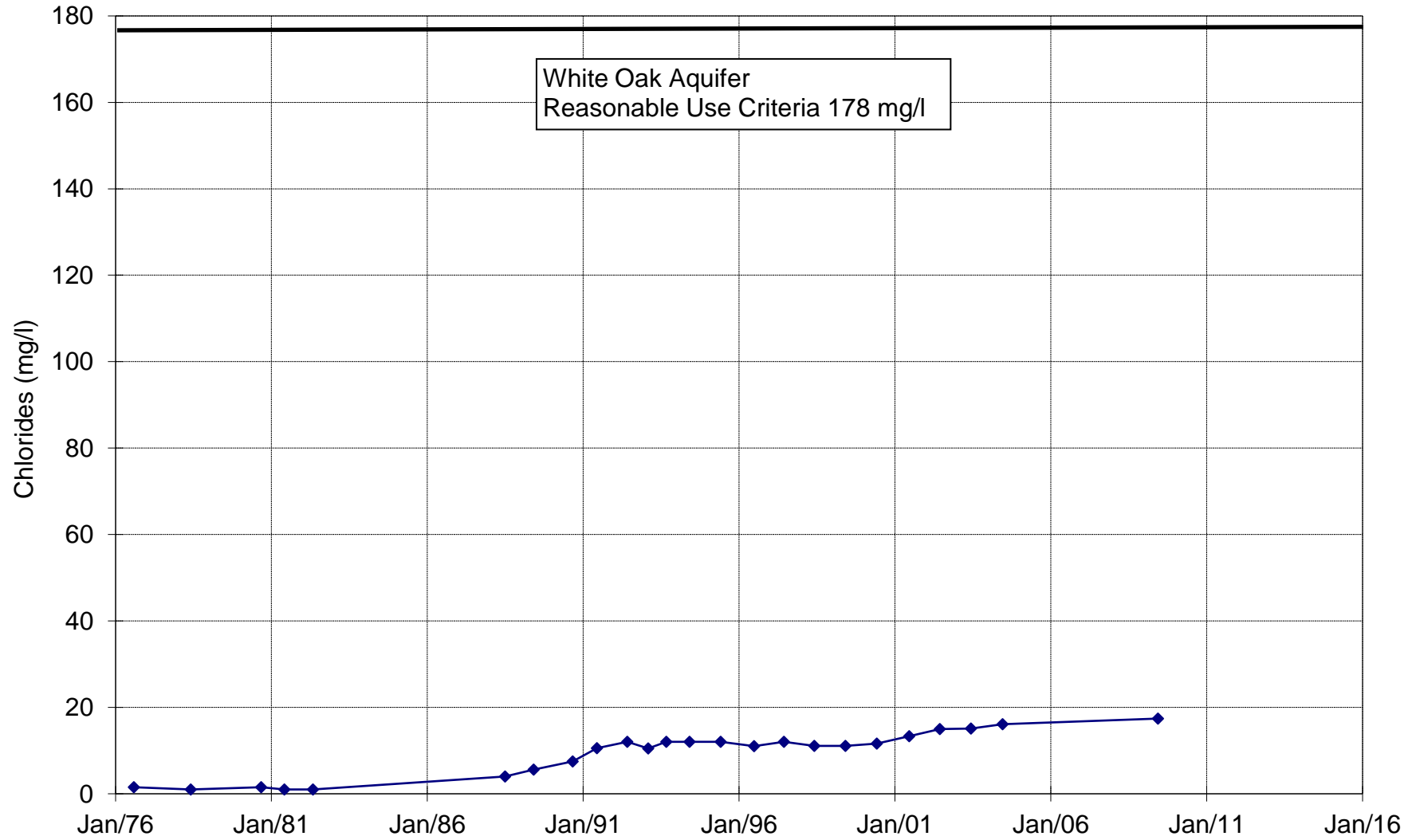
PARAMETER	HARDNESS	Cl	CONDUCTIVITY	pH	PHENOL	Ca	Mg	ALKALINITY	Fe	Na*	NO ₃	DOC	SO ₄	K	As	Ba	Cd	Cr	Cu	Pb	Ni	Se	Ag**	Zn	B	Sr	Comments	
ODWO Units	100 mg/l	250 mg/l	umhos/cm	6.5 - 8.5	ug/l	mg/l	mg/l	500 mg/l	0.3 mg/l	200 mg/l	10.00 mg/l	5.0 mg/l	500 mg/l	mg/l	0.025 mg/l	1.000 mg/l	0.0050 mg/l	0.050 mg/l	1.000 mg/l	0.010 mg/l	mg/l	0.010 mg/l	0.050 mg/l	5.0 mg/l	5.0 mg/l	mg/l		
Jun/78	233	6	575	7.8	<1	52	25	251	0.1	36	0.11		57	2.3														
Jun/79		2	545	7.6	<1				0.3	35																		
Sep/80		2	550	7.6	<1				1.1	24																		
Jun/81	258	2	510	7.5	<1	65	24	276	1.6	24	<.01		30	1.2	0.007	0.180	0.0001	0.003		<.003		<.001						
May/82	252	2	549	7.5	<1	63	23																					
Aug/82	254	2	545	7.6	<1	64	23																					
Jul/83	254	3	545	7.5	<1	63	23																					
Oct/83	255	2	540	7.7	<1	64	23	276	1.4	23	<.01		39	0.9	0.004	0.180	<.0005	<.003		0.005		<.001						
Feb/84	253	2	545	7.6	<1	63	24																					
Jul/88	235	2	545	7.4	<1	59	21	264	1.3																			
Sep/90	260	4	550	7.8	<1	66	23	251	2.7	24	<.01	1.2	31		0.007	0.230	0.0003	0.005	0.034	0.009	<.0002	<.001	0.000	0.047				
Jun/91	315	22	590	7.7	12	91	21	276	1.1	22	1.06	2.0	23															
Sep/93	262	43	640	7.8	5	68	23	292	1.2	33	1.32	1.1	32	2.3	<.001	0.250	<.001	<.001	0.033	<.001	<.001	<.002	<.001	0.104	0.10	0.68		
Jun/94	251	7	529	7.7	<2	62	23	258	0.1	24	<.01	0.3	27	2.1														
Jun/95	276	8	552	8.2	<1	75	22	276	0.1	29	<.01	0.9	29	1.4														
Jun/96	241	4	502	7.7	<1	54	26	228	1.1	35	0.03	0.9	30	1.2	0.003	0.260	<.001	<.001	<.001	<.001	<.001	0.005	<.001	0.022	0.15	1.10		
Jun/97	254	7	516	8.5	<1	55	28	256	1.3	5	0.07	1.7	31	3.3	<.002							<.002	<.001					
Jun/98	252	3	522	8.5	<1	64	22	272	0.1	25	<.01	1.0	29	2.1	<.010							<.020	<.001					
Jun/99	255	3	524	7.9	2	64	24	256	0.6	25	0.29	0.7	27	1.6	<.002	0.210	<.001	<.002	0.009	0.006	0.000	<.002	<.001	0.043	0.12	0.92		
Jun/00	248	3	536	7.7	<1	61	23	240	0.1	23	<.01	0.8	29	1.7	<.002							<.002	<.001					
Jun/01																												
Jun/02	229	3	515	8.3	<1	62	18	240	1.1	26	<.01	1.0	38	4.4	0.013	0.163	<.0002	<.001	0.002	0.002	0.003	<.002	<.001	0.006	0.12	0.67		
Jun/03																												No one home
Jun/04	249	3	484	7.6	<1	63	22	250	0.9	26	<.06	0.8	41	2.4			<.0002				<.002							
Jun/05																												Refused access
Jun/06																												No longer occupied
Jun/10																												Not occupied, no tap

Note:
 * Sodium level of 20 mg/l may be of concern if on sodium restricted diet
 ** Canadian Drinking Water Guideline
 Limited results prior to 1990 are available for fluoride, total phosphorus, soluble phosphorus and TOC.
 Ammonia, TKN, Nitrites, Manganese and Cyanide no longer monitored. Historical data available.

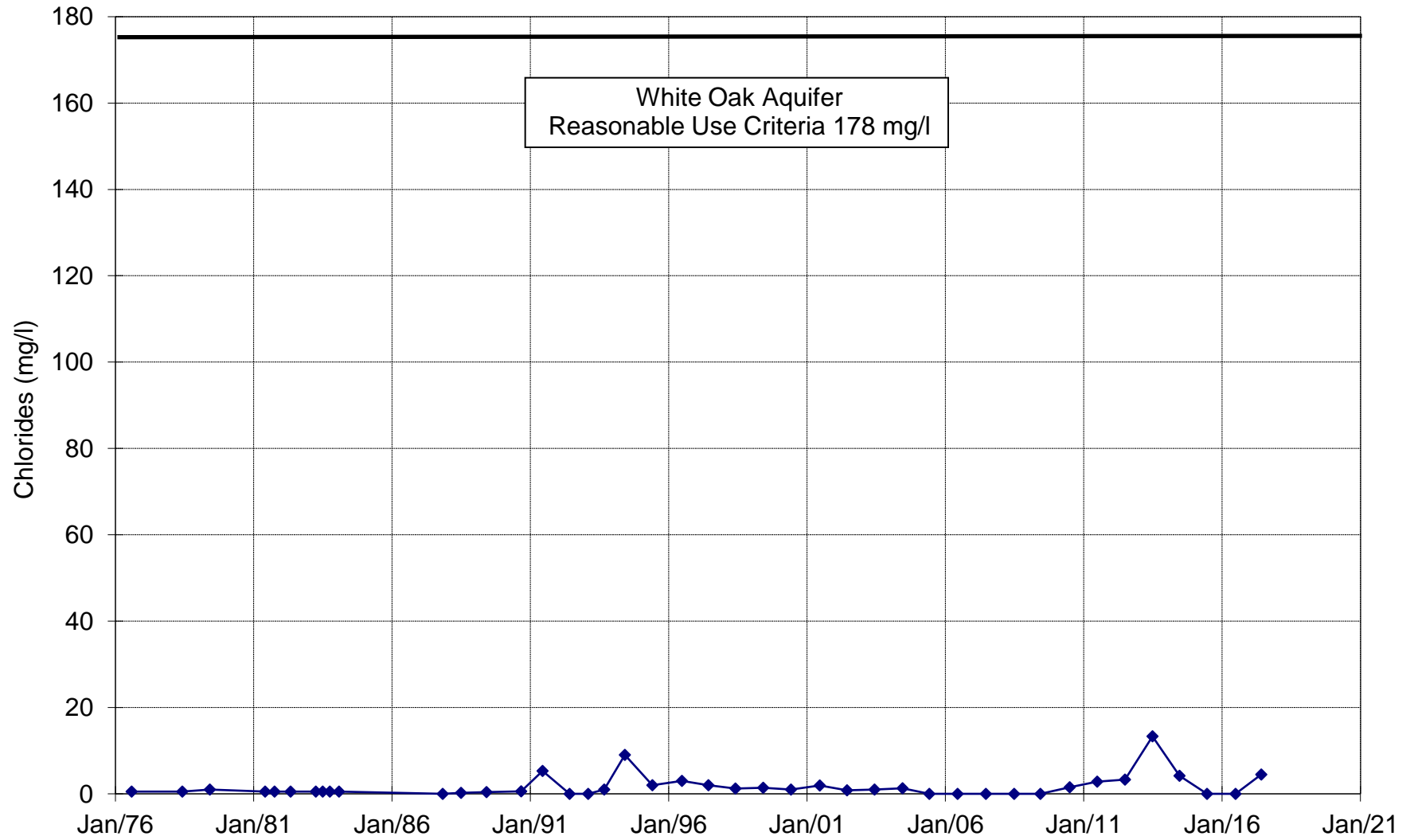
Private Well #19
6100 White Oak Rd.



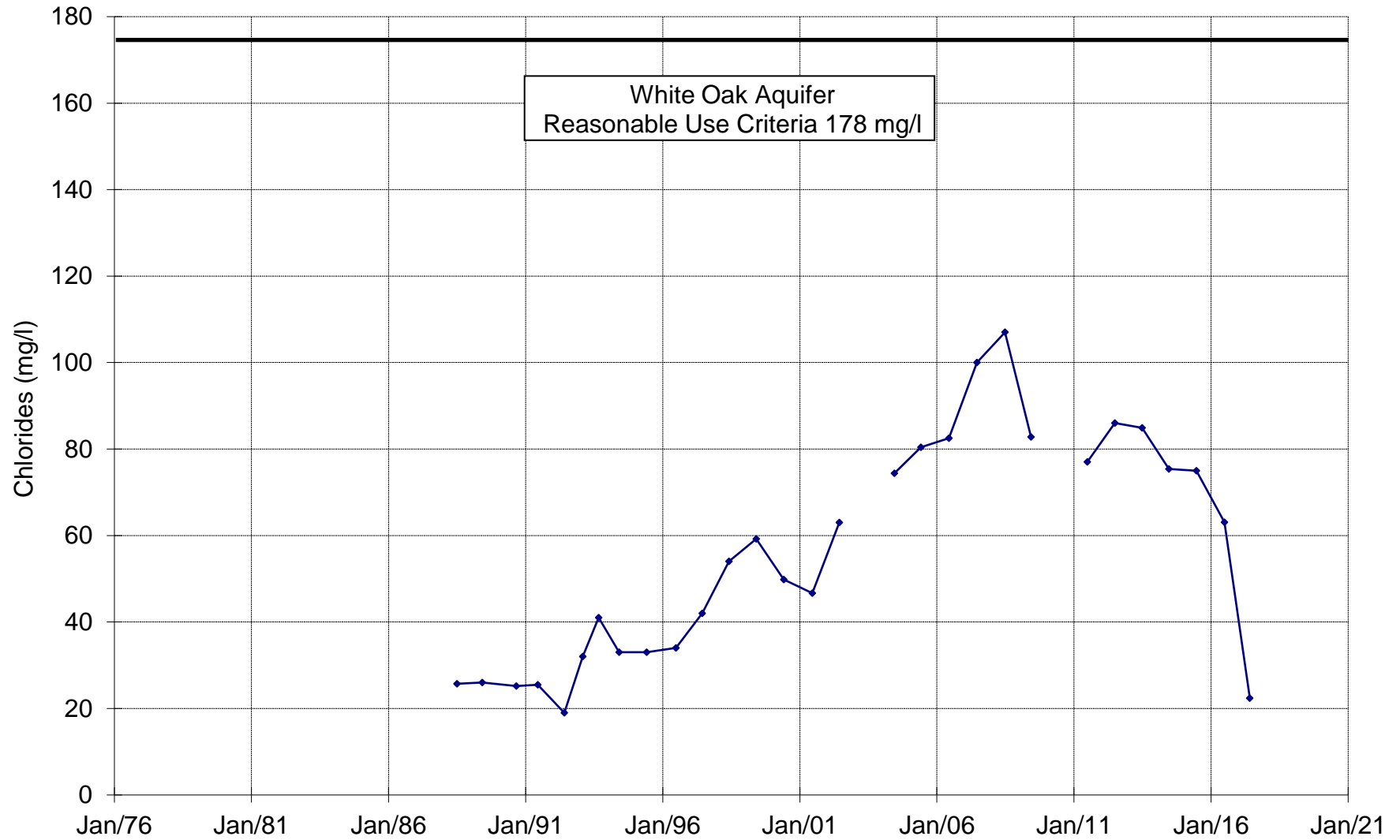
**Private Well #20
3691 Manning Dr.**



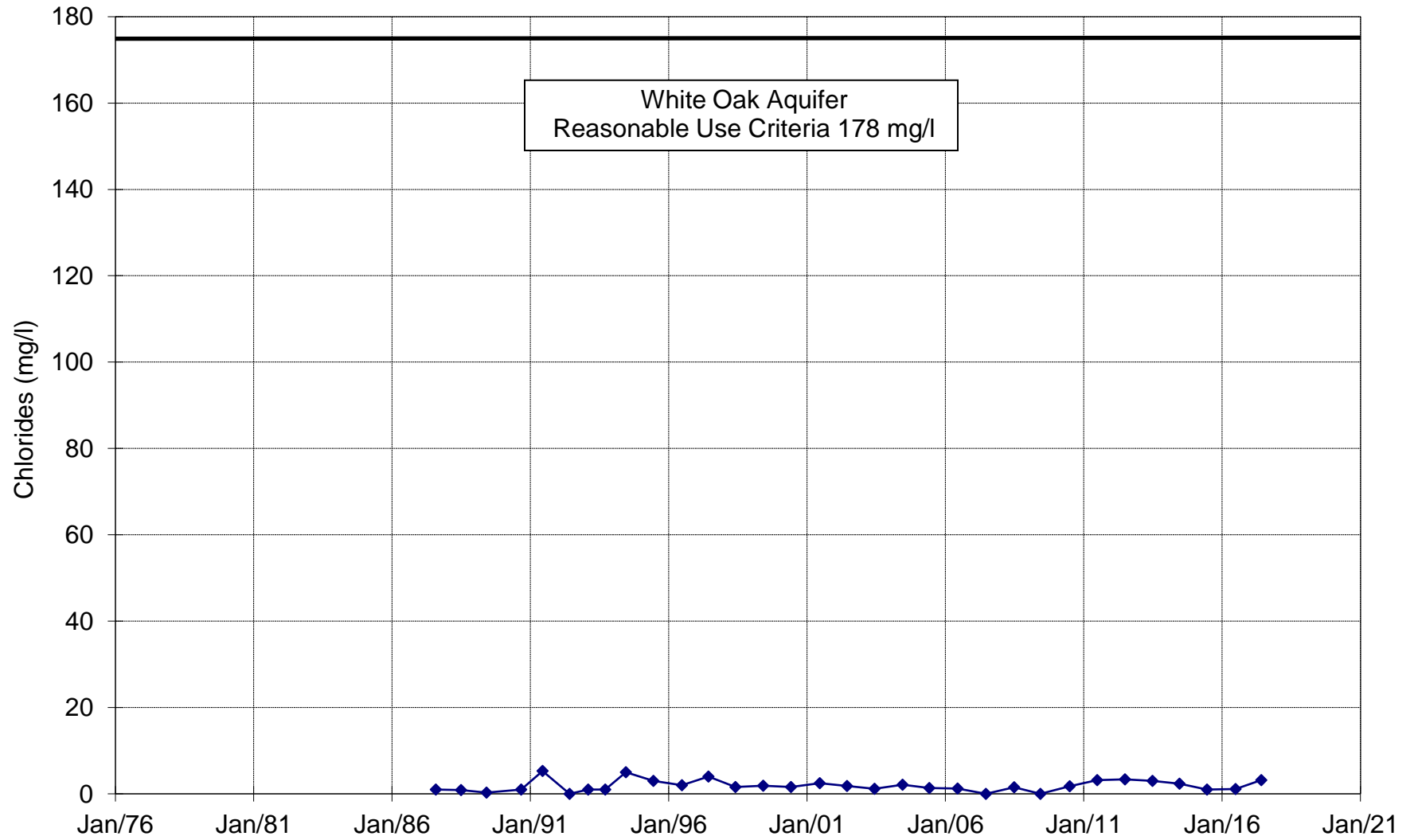
**Private Well #21
3243 Manning Dr.**



**Private Well #22
6368 White Oak Rd.**



**Private Well #23
3674 Glanworth Dr.**



W12A Landfill
Water Well Monitoring Program

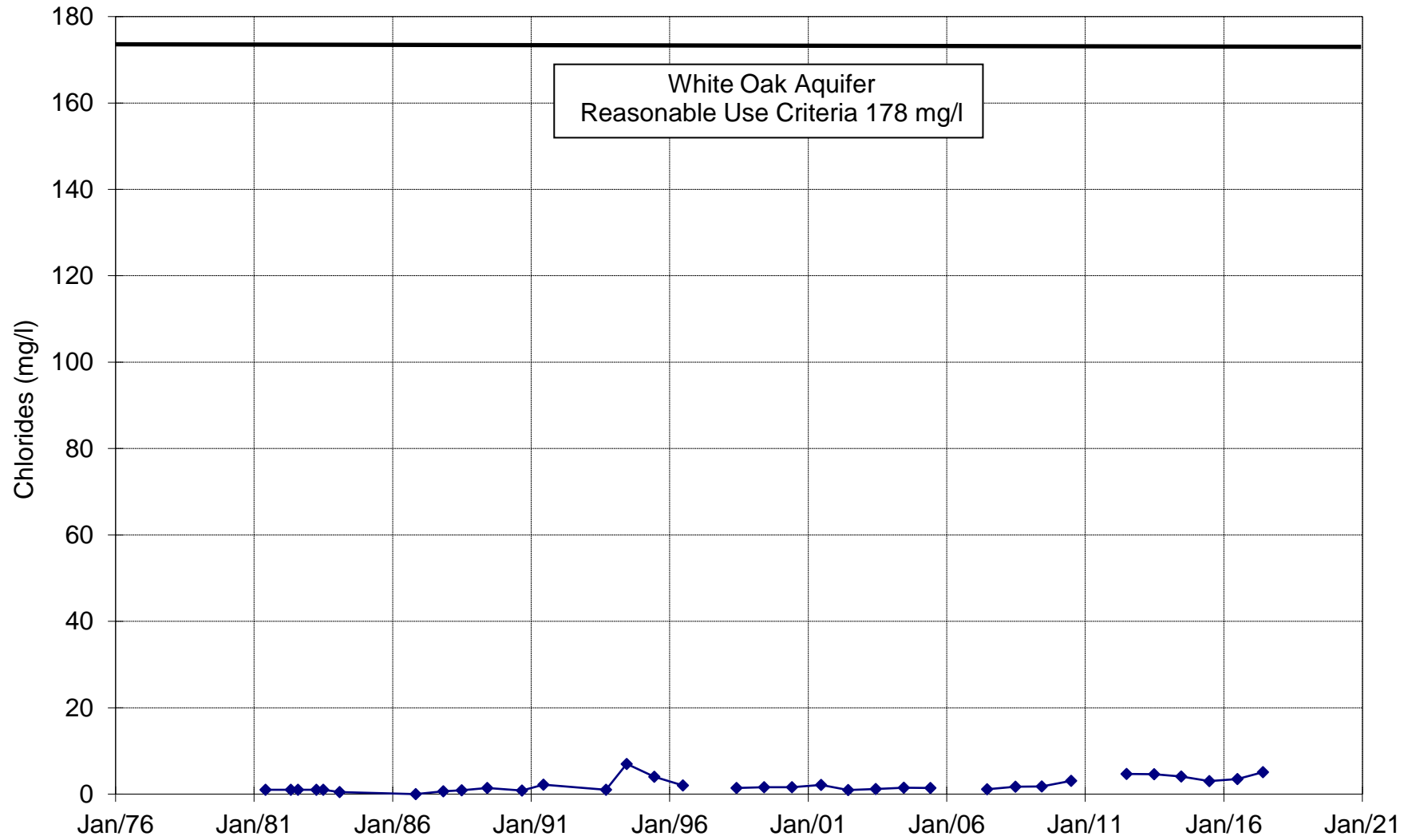
Private Well #24 Location: Downgradient
3452 Glanworth Dr. Hydrostatic Unit: White Oak Aquifer
Well Depth: 152 feet

AVG	210	2	417	7.8	0.3	59	14	206	1.3	10	0.03	1.6	23	0.7	0.004	0.27	0.000	0.001	0.005	0.001	0.004	0.00	0.00	0.01	0.2	0.47
STD	27	2	61	0.3	1.6	7	2	12	0.4	3	0.07	0.6	15	0.5	0.003	0.11	0.000	0.002	0.005	0.001	0.006	0.00	0.00	0.02	0.4	0.07
# of samples	34	34	34	34	35	34	34	28	29	27	27	25	27	25	13	11	21	12	11	14	20	12	13	9	8	10

PARAMETER	HARDNESS	Cl	CONDUCTIVITY	pH	PHENOL	Ca	Mg	ALKALINITY	Fe	Na*	NO ₃	DOC	SO ₄	K	As	Ba	Cd	Cr	Cu	Pb	Ni	Se	Ag**	Zn	B	Sr	Comments	
Objectives	100	250	umhos/cm	6.5 - 8.5	ug/l	mg/l	mg/l	500	0.3	200	10.00	5.0	500	mg/l	0.025	1.000	0.0050	0.050	1.000	0.010	mg/l	0.010	mg/l	5.0	5.0	mg/l		
Units	mg/l	mg/l						mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l		
Jun/81	185	1	392	7.7	<1	53	13	210	0.9	16	<.01		7	1.2	0.002	0.057	<0.0001	0.003		<0.003		<0.001						
May/82	197	1	391	7.7	<1	58	13																					
Aug/82	192	1	393	7.7	<1	55	14																					
Apr/83	218	1	392	7.7	<1	56	14	212	1.2	9	<.01	1.5	7	1.2	0.004	0.290	<0.0005	0.007	0.006	0.005	0.002	<0.001	<0.001					
Jul/83	207	1	394	7.6	<1	61	13																					
Feb/84	199	1	392	7.7	<1	57	14																					
Nov/86	194	<1	393	7.6	<1	57	13		0.9																			
Nov/87	218	1	580	7.6	<1	63	15																					
Jul/88	202	1	400	7.6	<1	57	14	200	2.7																			
Jun/89	183	1	405	7.8	1	52	13	203	0.9	19	0.10		9	1.2														
Sep/90	198	1	407	7.7	<1	57	14	203	1.2	9	<.01	1.6	10		0.002	0.039	0.0001	0.001	0.008	<0.00005	<0.0002	<0.001	<0.00005	0.001				
Jun/91	276	2	382	7.5	5	57	8	204	1.2	11	<.03	0.9	11															
Sep/93	186	1	402	7.7	<2	50	15	206	1.6	14	0.07	1.5	15	1.5	0.003	0.250	<0.001	<0.001	0.001	<0.001	<0.001	<0.002	<0.001	0.051	0.02	0.32		
Jun/94	153	7	405	7.8	1	41	12	204	1.7	11	<.01	1.1	6	1.3														
Jun/95	211	4	409	8.4	<1	61	14	224	0.7	10	0.03	1.2	9	0.3														
Jun/96	250	2	359	7.7	<1	66	21	210	1.2	12	0.03	1.7	11	1.1	0.006	0.390	<0.001	<0.001	0.002	<0.001	<0.001	<0.002	<0.001	<0.001	0.03	0.53		
Jun/97					<1																						Not home	
Jun/98	203	1	401	8.4	<1	58	14	212	1.0	9	0.26	0.9	14	1.2	0.010							<0.020						
Jun/99	221	2	400	8.5	<1	63	15	206	1.2	9	<.01	1.2	15	1.4	0.002	0.340	<0.001	<0.002	0.003	<0.001	<0.002	<0.002	<0.002	0.003	1.20	0.47		
Jun/00	207	2	413	7.8	<1	59	15	204	1.2	9	0.02	1.5	12	1.5	0.003								<0.002					
Jun/01	190	2	389	7.9	<1	54	13	206	1.2	9	<.1	1.7	24	2.2														
Jun/02	189	1	392	8.1	<1	56	12	180	0.9	9	0.01	1.5	16	2.4	0.009	0.308	0.0003	<0.001	0.004	<0.001	0.002	<0.002	<0.001	0.003	0.00	0.41		
Jun/03	174	1	421	7.6	<1	50	12	184	0.9	8	<.02	1.2	17	1.1								<0.002						
Jun/04	188	2	325	7.8	<1	52	14	182	1.0	13	0.07	1.1	29	<2.0								<0.002						
Jun/05	189	1	412	7.8	<1	52	14	189	1.2	7	<.06	1.6	26	<2.0	0.005	0.284	<0.0002	<0.002	0.020	0.003	0.002	<0.002		0.039	0.03			
Jun/06																												
Jun/07	193	1	431	7.7	<1	55	13	208	1.1	8	<.06	3.0	18	<2.0								0.001					0.47	
Jun/08	201	2	255	7.0	2	58	13	186	1.1	8	<.06	3.5	23	<2.0	0.003	0.330	<0.0002	<0.001	0.002	<0.001	<0.001	<0.002	<0.001	0.003	0.03	0.43		
Jun/09	220	2	363	7.7	<1	63	16	210	1.0	8	<.06	2.4	25	<2.0								0.016					0.57	
Jun/10	223	3	449	7.6	<1	64	16	222	1.8	9	<.06	2.0	31	<2.0								<0.002					0.52	
Jun/11																							<0.001					No one home, dog on premissis
Jun/12	236	5	490	7.6	<1	68	17	213	1.8	9	0.08	<.5	40	<2.0								0.012						
Jun/13	235	5	490	7.9	<1	67	16	212	1.6	9	0.07	1.7	44	<2.0								<0.002	0.013					
Jun/14	241	4	500	7.8	<1	69	17	216	1.4	9	<.06	1.8	46	<2.0	0.004	0.348	<0.0002	0.002	0.004	<0.002	0.011	<0.0004	<0.0001	0.009	0.03	0.49		
Jun/15	260	3	500	7.7	<1	75	17	220	<.02	9	<.10	1.4	44	1.0								<0.005						
Jun/16	248	4	520	7.7	<1	71	17	215	2.3	9	<.06	2.2	55	<2.0								0.012						
Jun/17	247	5	530	7.6	<1	71	17	215	1.5	10	<.40	1.7	62	<2.0	0.004	0.370	<0.0002	<0.001	<0.001	<0.002	0.013	<0.00005	<0.001	0.005	0.03	0.54		

Note:
 * Sodium level of 20 mg/l may be of concern if on sodium restricted diet
 ** Guideline value not required as drinking water contributes negligibly to an individual's daily intake (Canadian Drinking Water Guidelines)
 Limited results prior to 1990 are available for fluoride, total phosphorus, soluble phosphorus and TOC.
 Ammonia, TKN, Nitrites, Manganese and Cyanide no longer monitored. Historical data available.
 DOC is Dissolved Organic Carbon

**Private Well #24
3452 Glanworth Dr.**



**W12A Landfill
Water Well Monitoring Program**

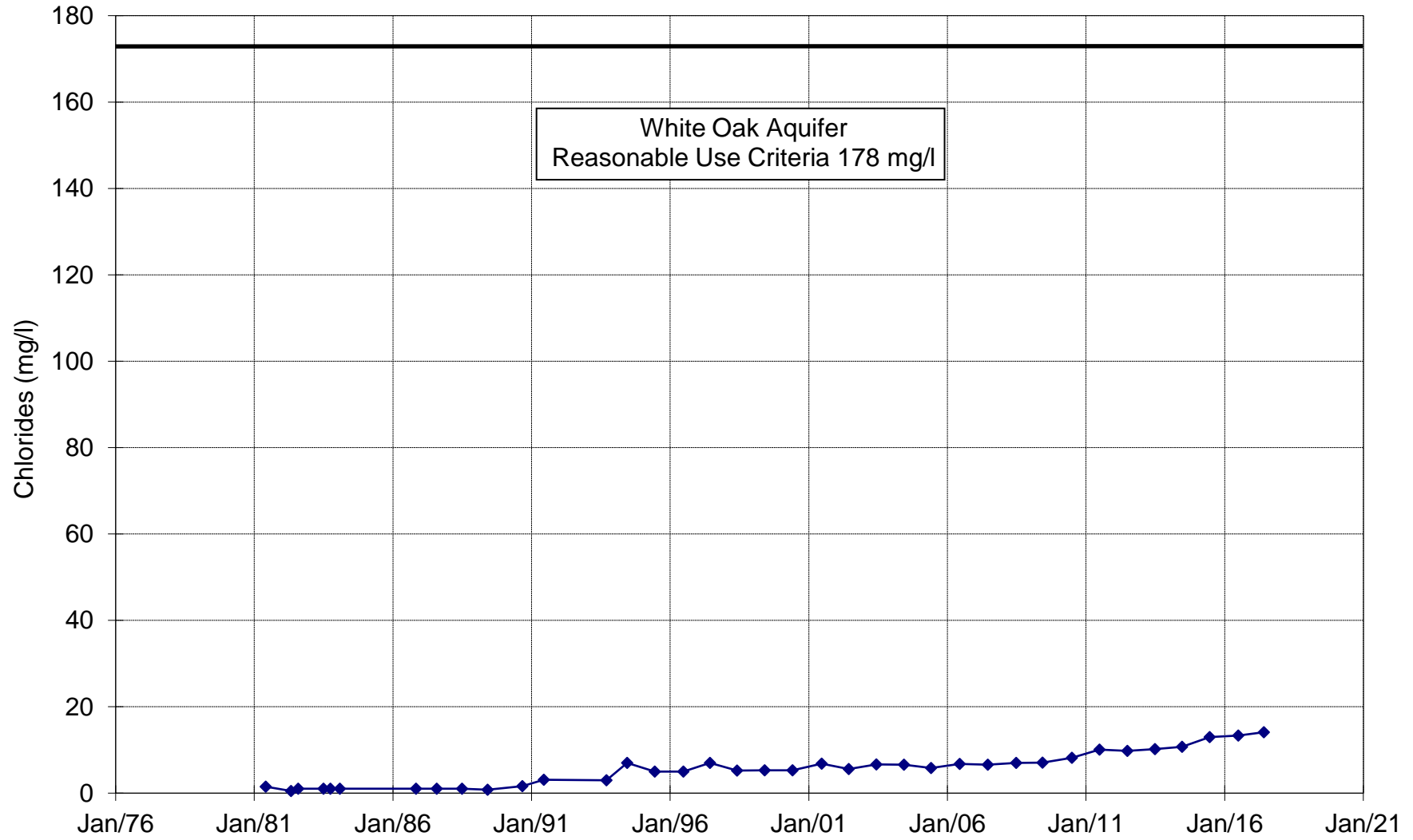
Private Well #25 Location: Downgradient
3402 Gianworth Dr. Hydrostatic Unit: White Oak Aquifer
 Well Depth: 100 feet

AVG	328	6	615	7.6	0.3	94	22	244	2.1	8	0.05	1.63	125	0.8	0.001	0.12	0.04	0.000	0.005	0.001	0.005	0.00	0.00	0.12	0.02	0.29
STD	101	4	180	0.2	1.8	29	7	20	0.9	1	0.11	0.70	74	0.5	0.002	0.10	0.36	0.001	0.006	0.001	0.005	0.00	0.00	0.18	0.01	0.05
# of samples	37	37	37	37	36	37	37	31	32	30	30	27	30	28	15	12	23	13	11	15	21	16	13	10	9	12

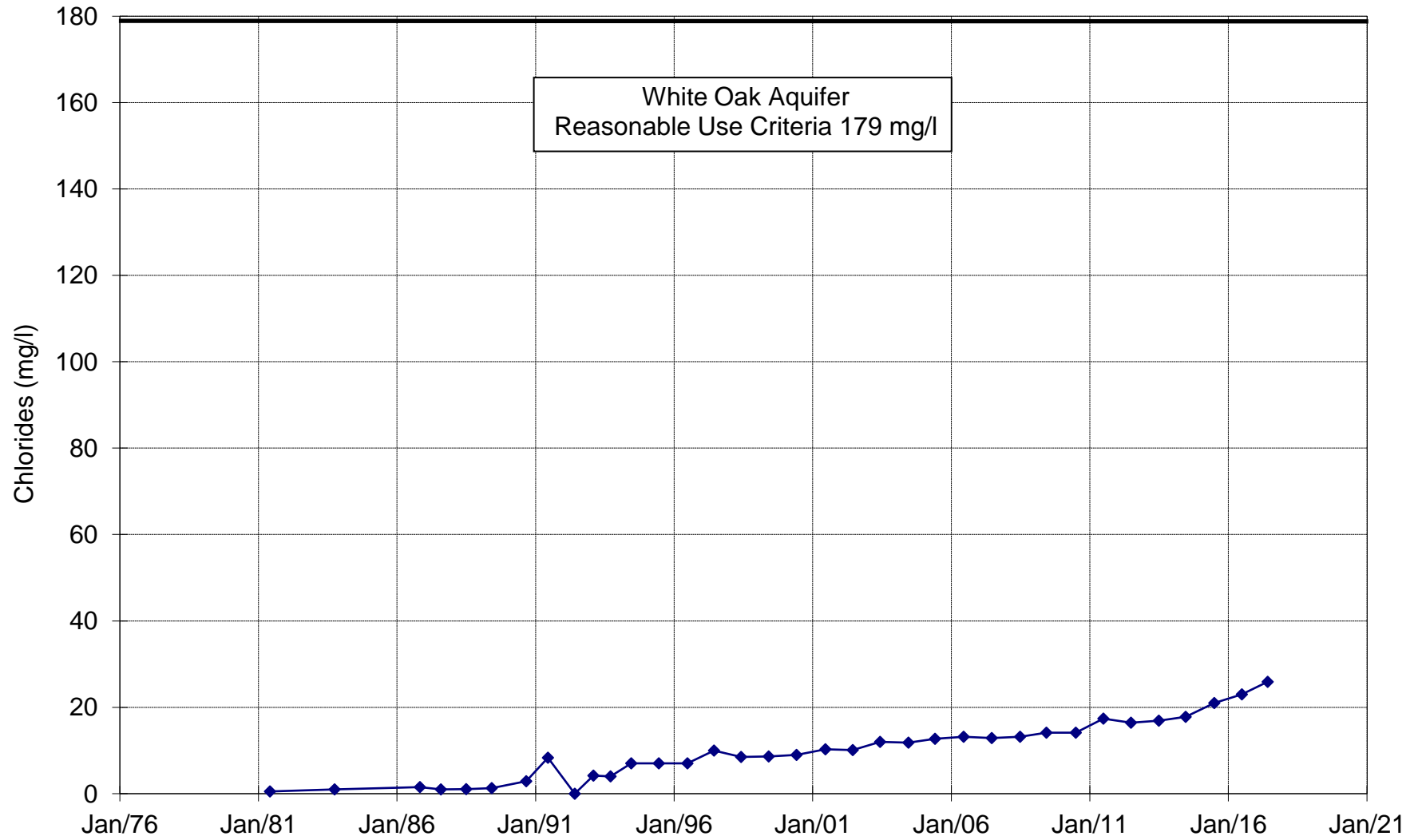
PARAMETER	HARDNESS	Cl	CONDUCTIVITY	pH	PHENOL	Ca	Mg	ALKALINITY	Fe	Na*	NO ₃	DOC	SO ₄	K	As	Ba	Cd	Cr	Cu	Pb	Ni	Se	Ag**	Zn	B	Sr	Comments
ODWO Units	100 mg/l	250 mg/l	umhos/cm	6.5 - 8.5	ug/l	mg/l	mg/l	500 mg/l	0.3 mg/l	200 mg/l	10.00 mg/l	5.0 mg/l	500 mg/l	mg/l	0.025 mg/l	1.000 mg/l	0.0050 mg/l	0.050 mg/l	1.000 mg/l	0.010 mg/l	mg/l	0.010 mg/l	mg/l	5.0 mg/l	5.0 mg/l	mg/l	
Jun/81	223	2	421	7.6	<1	65	15	216	1.0	6	<0.01		18	1.2	0.001	0.180	0.0002	0.003		0.004		<0.001					
May/82	221	1	422	7.6	<1	65	14																				
Aug/82	216	1	423	7.7	<1	63	14																				
Jul/83	235	1	424	7.5	1	70	15																				
Oct/83	224	1	420	7.8	<1	65	15	218	1.2	5	<0.01		15	0.9	0.001	0.200	<0.0005	<0.003		0.006		<0.001					
Feb/84	223	1	422	7.7	5	65	15																				
Nov/86	221	1	428	7.6	<1	66	14		1.0																		
Aug/87	232	1	441	7.6	<1	68	15																				
Jul/88	239	1	445	7.5	<1	70	16	218	0.9																		
Jun/89	223	1	453	7.7	1	65	15	219	1.1	7	0.10		26	1.4													
Sep/90	231	2	462	7.6	<1	68	15	218	1.3	7	<0.1	1.2	24		0.000	0.036	0.9000	0.001	0.009	<0.00005	<0.0002	<0.001	<0.00005	0.002			
Jun/91	180	3	411	7.4		59	8	222	1.3	9	0.05	0.6	15														
Sep/93	254	3	502	7.6	<2	72	18	226	1.8	13	0.07	1.8	44	1.6	0.006	0.270	<0.001	<0.001	0.003	<0.001	<0.001	<0.002	<0.001	0.136	<0.02	0.17	
Jun/94	206	7	510	7.6	<2	62	12	228	4.9	10	<0.01	1.0	38	1.5													
Jun/95	258	5	539	8.3	<1	73	19	252	1.0	9	0.03	1.4	46	0.7													
Jun/96	241	5	402	7.6	<1	60	22	234	1.5	10	0.03	1.0	58	1.4	0.003	0.340	<0.001	<0.001	0.003	<0.001	<0.001	<0.002	<0.001	0.194	0.03	0.29	
Jun/97	317	7	567	7.7	<1	87	24	244	1.9	9	0.10	1.9	69	1.9	<0.002												
Jun/98	309	5	588	8.5	<1	90	20	254	2.9	8	<0.01	1.6	105	1.1	<0.010												
Jun/99	372	5	623	7.9	<1	109	25	238	1.5	8	0.29	1.1	77	1.5	<0.002	0.180	<0.001	<0.002	<0.002	<0.001	<0.002	<0.002	<0.001	0.620	0.03	0.29	
Jun/00	345	5	662	7.5	<1	99	24	250	2.3	7	<0.01	1.4	116	1.7	<0.002												
Jun/01	293	7	645	7.6	<1	83	21	240	0.9	7	0.14	1.5	140	2.2			<0.001				<0.001						
Jun/02	350	6	642	8.0	<1	107	20	200	2.5	7	<0.01	1.6	157	2.4	0.007	0.075	0.0004	0.001	0.021	<0.001	0.003	<0.002	<0.001	0.110	0.00	0.24	
Jun/03	372	7	737	7.4	<1	101	29	240	1.9	7	<0.02	1.2	157	1.7			<0.0002				0.003						
Jun/04	409	7	664	7.5	<1	105	36	248	2.3	8	<0.06	1.2	144	<2.0			<0.0002				<0.002						
Jun/05	364	6	756	7.5	<1	101	27	232	2.0	6	<0.06	2.1	151	<2.0	<0.001	0.052	<0.0002	<0.002	0.005	<0.002	0.002	<0.002		0.046	0.03		
Jun/06	393	7	767	7.5	<1	113	27	258	2.2	6	<0.06	1.5	146	<2.0			<0.0002				<0.002		<0.001			0.26	
Jun/07	396	7	786	7.4	<1	115	26	258	2.2	6	<0.06	2.4	164	<2.0			<0.0002				0.002		<0.001			0.30	
Jun/08	408	7	473	7.3	4.0	120	26	242	2.2	6	<0.06	4.0	171	<2.0	<0.001	0.048	<0.0002	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	0.003	0.02	0.28	
Jun/09	434	7	691	7.4	<1	125	30	260	1.9	7	<0.06	1.9	175	<2.0			<0.0002				0.014		<0.001			0.37	
Jun/10	438	8	807	7.4	<1	127	29	273	2.5	8	<0.06	0.8	187	<2.0			<0.0002				<0.001	0.002	<0.001			0.32	
Jun/11	427	10	790	7.3	<1	123	29	264	3.0	6	0.08	1.5	186	<2.0	<0.001	0.045	0.0003	<0.001	<0.001	<0.001	0.014	<0.002	<0.001	0.012	0.02	0.32	
Jun/12	438	10	840	7.4	<1	127	29	261	2.5	7	<0.06	3.2	186	<2.0			0.0002				0.011						
Jun/13	453	10	850	7.4	<1	131	31	261	2.4	8	0.09	1.6	201	<2.0			<0.0002				<0.002	0.010					
Jun/14	468	11	890	7.3	<1	136	31	266	2.8	8	<0.06	1.5	213	<2.0	<0.001	0.038	<0.0002	0.001	0.003	<0.002	0.012	<0.0004	<0.0001	0.014	0.02	0.32	
Jun/15	500	13	910	7.8	<1	147	32	270	3.1	7	<0.10	1.5	240	2.0			<0.005				<0.05						
Jun/16	508	13	980	7.3	<1	147	34	271	3.3	8	<0.06	1.8	243	<2.0			<0.0002				0.012						
Jun/17	517	14	970	7.3	<1	150	35	274	3.2	8	0.40	1.9	252	<2.0	0.001	0.031	<0.0002	<0.001	0.007	<0.002	0.011	<0.00005	<0.001	0.098	0.02	0.35	

Note:
 * Sodium level of 20 mg/l may be of concern if on sodium restricted diet
 ** Guideline value not required as drinking water contributes negligibly to an individual's daily intake (Canadian Drinking Water Guidelines)
 Limited results prior to 1990 are available for flouride, total phosphorus, soluble phosphorus and TOC.
 Ammonia, TKN, Nitrites, Manganese and Cyanide no longer monitored. Historical data available.

**Private Well #25
3402 Glanworth Dr.**



**Private Well #26
3388 Glanworth Dr.**



**W12A Landfill
Water Well Monitoring Program**

Private Well #27 Location: Downgradient
6601 Wellington Rd. S Hydrostatic Unit: White Oak Aquifer
 Well Depth: 158 feet

AVG	290	3	600	7.6	0.3	82	21	241	2.1	12	0.02	1.7	122	1	0.002	0.2	0.0001	0.001	0.004	0.002	0.003	0.00	0.0001	0.03	0.04	0.5
STD	90	2	180	0.2	1.2	26	7	20	0.8	2	0.08	0.7	86	2	0.004	0.1	0.0001	0.004	0.005	0.005	0.005	0.00	0.0000	0.03	0.02	0.1
# of samples	35	35	35	35	34	34	34	28	27	26	27	24	27	24	14	11	20	12	10	13	18	15	7	8	7	5

PARAMETER	HARDNESS	Cl	CONDUCTIVITY	pH	PHENOL	Ca	Mg	ALKALINITY	Fe	Na ⁺	NO ₃	DOC	SO ₄	K	As	Ba	Cd	Cr	Cu	Pb	Ni	Se	Ag ^{**}	Zn	B	Sr	Comments	
ODWO Units	100 mg/l	250 mg/l	umhos/cm	6.5 - 8.5	ug/l	mg/l	mg/l	500 mg/l	0.3 mg/l	200 mg/l	10.00 mg/l	5.0 mg/l	500 mg/l	mg/l	0.025 mg/l	1.000 mg/l	0.0050 mg/l	0.050 mg/l	1.000 mg/l	0.010 mg/l	mg/l	0.010 mg/l	mg/l	5.0 mg/l	5.0 mg/l	mg/l		
Jun/81	235	1	464	7.7	<1	67	17	242	1.6	12	<0.01		18	1.5	0.001	0.300	0.0002	0.002		0.004		<0.001						
Oct/81	230	1	466	7.5	<1	65	16																					
May/82	216	1	437	7.7	<1	60	16																					
Aug/82	212	1	438	7.7	<1	59	16																					
Apr/83	213	1	435	7.7	<1	58	16	230	1.7	15	0.01	1.6	14	1.2	0.003	0.220	0.0003	0.010	0.017	0.006	0.002	<0.001	0.001					
Jul/83	220	1	432	7.6	1	61	16																					
Oct/83	213	1	430	7.6	<1	58	16	228	1.8	13	<0.01		12	0.7	0.002	0.250	<0.0005	<0.003		0.014		<0.001						
Feb/84	213	1	433	7.7	<1	58	16																					
Nov/86	205	1	389	7.6	<1																							
Aug/87	214	1	434	7.4	<1	59	16																					
Jul/88	206	1	435	7.4	<1	58	15	212	1.5																			
Jun/89	203	1	438	7.7	1	55	16	216	1.4	14	0.10		17	1.3														
Sep/90	214	1	454	7.6	<1	60	16	216	1.0	11	<0.1	1.5	21		0.000	0.029	<0.00005	0.001	0.008	<0.00005	<0.0002	<0.001	<0.00005	0.001				
Jun/91	198	6	452	7.5		61	11	220	3.7		0.17	0.7	14															
Sep/93	324	3	520	7.5	<2	87	26	228		16	0.03	2.1	56	1.8	<0.001	0.350	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	0.058	0.03	0.35		
Jun/94	228	6	521	7.7	1	61	18	228	1.0	13	<0.03	1.4	52	1.7														
Jun/95	281	5	570	8.3	<1	80	20	250	1.1	14	<0.01	2.7	63	0.8														
Jun/96	316	6	579	7.5	<1	85	25	238	0.8	14	0.03	1.4	69	1.9	0.002	0.450	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	0.037	0.05	0.70		
Jun/97	294	8	589	8.0	<1	75	26	248	1.5	10	<0.01	1.7	76	2.0	<0.002													
Jun/98	318	4	623	7.8	<1	91	22	246	2.1	11	0.24	1.1	126	1.6	<0.010													
Jun/99	356	4	651	8.1	<1	99	26	242	2.1	11	<0.01	1.4	101	1.6	<0.002	0.210	<0.001	<0.002	0.002	<0.001	<0.002	<0.002	<0.001	0.018	0.05	0.65		
Jun/00	362	4	716	7.5	<1	101	27	246	2.4	11	<0.01	1.3	151		<0.002													
Jun/01	317	5	720	7.5	<1	87	24	250	0.9	10	0.04	1.6	186	2.5								0.005						
Jun/02	384	4	737	7.7	<1	116	23	180	2.2	11	<0.01	1.6	223	2.9	0.013	0.073	0.0002	<0.001	0.001	0.001	<0.001	<0.002	<0.001	0.004	0.01	0.40		
Jun/03	372	5	824	7.5	2	102	29	266	2.1	11	<0.02	1.0	236	1.5								<0.002						
Jun/04	395	4	800	7.9	<1	112	28	244	2.8	10	<0.06	1.2	181	7.4								0.006						
Jun/05	403	4	1,110	7.5	<1	109	32	246	2.8	10	<0.06	2.1	188	<2	<0.001	0.049	<0.002	<0.002	0.008	<0.002	0.003	<0.002		0.109	0.05			
Jun/06	435	4	874	7.5	<1	123	31	264	2.9	9	<0.06	2.0	199	<2								<0.002						
Jun/07	465	4	907	7.3	<1	133	32	264	2.8	10	<0.06	2.0	240	<2								0.003						
Jun/08	482	4	514	7.2	4.0	140	32	262	2.6	10	<0.06	4.3	262	<2	<0.001	0.043	<0.0002	<0.001	0.001	<0.001	0.002	<0.002		0.020	0.04			
Jun/09	<3.3	4	794	7.3	<1	<1	0.2	270	3.4	<2	<0.06	1.9	255	<2								0.005						
Jun/10	310	3	629	7.4	<1	87	23	252	2.6	14	<0.06	1.0	112	<2								<0.0002						
Jun/11																												No access, no sample
Jun/12																												No access, no sample
Jun/13																												No access, no sample
Jun/14	515	6	960	7.4	<1	149	35	276	3.4	12	<0.06	1.7	260	<2	<0.001	0.033	<0.0002	<0.001	0.003	<0.002	0.013	<0.0004	<0.0001	0.027	0.04	0.43		
Jun/15	310	2	610	7.7	<1	87	22	240	2.2	14	<0.1	1.5	85	1.0								<0.005						
Jun/16	287	2	610	7.4	<1	80	21	235	2.9	15	<0.06	2.0	88	<2								0.0002						
Jun/17																												No access, no sample

Note:

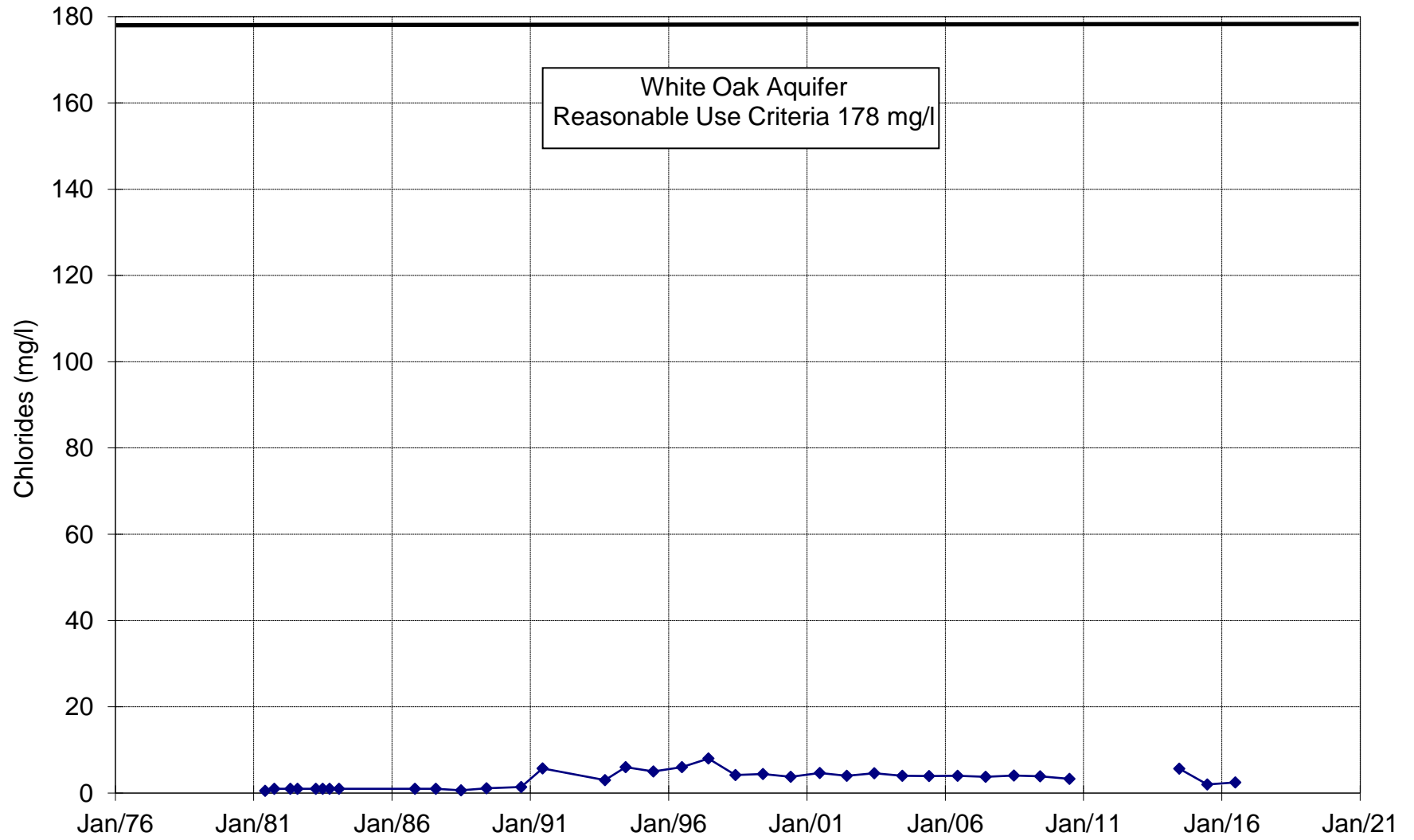
* Sodium level of 20 mg/l may be of concern if on sodium restricted diet

** Guideline value not required as drinking water contributes negligibly to an individual's daily intake (Canadian Drinking Water Guidelines)

Limited results prior to 1990 are available for flouride, total phosphorus, soluble phosphorus and TOC.

Ammonia, TKN, Nitrites, Manganese and Cyanide no longer monitored. Historical data available.

**Private Well #27
6601 Glanworth Dr.**



W12A Landfill
Water Well Monitoring Program

Private Well #31 Location: Crossgradient
4267 Manning Dr. Hydrostatic Unit: White Oak Aquifer
Well Depth: 323 feet

AVG	128	6	308	7.4	0.5	25	16	173	1.2	19	0.2	1.7	4	0.5	0.00	0.14	0.000	0.00	0.002	0.000	0.005	0.00	0.00	0.07	0.3	0.9
STD	10	15	41	0.1	0	2.3	1	7	0.5	2	1.3	0.8	8	1.0	0.00	0.02	0.000	0.00	0.004	0.001	0.005	0.00	0.00	0.07	0.16	0.094
# of samples	15	16	15	15	15	15	15	15	15	15	15	14	15	15	7	8	15	10	10	12	15	8	4	9	7	4

PARAMETER	HARDNESS	Cl	CONDUCTIVITY	pH	PHENOL	Ca	Mg	ALKALINITY	Fe	Na	NO ₃	DOC	SO ₄	K	As	Ba	Cd	Cr	Cu	Pb	Ni	Se	Ag**	Zn	B	Sr	Comments
ODWO Units	100 mg/l	250 mg/l	umhos/cm	6.5-8.5	ug/l	mg/l	mg/l	500 mg/l	0.3 mg/l	200 mg/l	10 mg/l	5.0 mg/l	500 mg/l	mg/l	0.025 mg/l	1 mg/l	0.005 mg/l	0.05 mg/l	1 mg/l	0.01 mg/l	mg/l	0.01 mg/l	mg/l	5 mg/l	5 mg/l	mg/l	
Oct/02	156	4	347	8.1	<1	30.3	20	192	0.05	25	<0.01	1.6	11	4	<0.002	0.15	<0.0002	<0.001	0.002	<0.001	<0.001	<0.002		0.004	0.30		
May/04	150	2	341	8.1	<2	28.9	19	190	1.20	24	0.10	1.7	3	2	<0.002	0.16	<0.0002	<0.010	<0.01	0.001	<0.05	<0.002		0.050	0.31		
Jul/05	144	1	352	7.9	<1	27.5	18	180	0.85	18	<0.06	1.4	13	<2	<0.001	0.14	<0.0002	<0.002	0.011	0.003	0.013	<0.002		0.048	0.30		
Oct/06	127	60	354	7.8	<1	24.7	16	176	0.85	18	3.35	1.7	26	<2	<0.001	0.11	<0.0002	<0.002	<0.002	<0.002	<0.002	<0.002		0.041	0.29		
Jan/07	1																										
Feb/08	128	3	364	7.9	1	25.4	16	182	1.35	18	<0.06	1.8	<1	<2		0.16	<0.0002	<0.001	0.002	<0.001	<0.001			0.062			
Jun/08	133	1	200	7.7	6	27.4	16	170	2.27	20	<0.06	4.4	<1	<2	<0.001	0.12	<0.0002	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	0.262	0.29	0.79	
Dec/08	151	2	343	7.7	<1	32.2	17	182	1.95	20	0.13		2	<2			<0.0002	<0.001	<0.001	<0.001	0.001			0.085			
Jun/09	137	1	283	7.9	<1	27.5	17	192	1.91	20	<0.06	2.1	<1	<2			<0.0002				0.013						
Jun/10	136	2	342	7.9	<1	26.8	17	194	1.10	21	<0.06	2.7	<1	<2			0.0003			<0.001	0.002		<0.001			0.99	
Jun/11	135	4	310	7.9	<1	26.8	17	186	1.21	20	0.06	1.9	<1	<2	<0.001	0.15	<0.0002	<0.001	<0.001	<0.001	0.014	<0.002	0.001	0.027	0.28	0.95	
Jun/12	135	3	350	8.0	<1	26.6	17	189	1.22	20	<0.06	1.0	1	<2			<0.0002				0.012						
Jun/13	120	3	340	7.9	<1	22.5	16	178	0.77	21	0.07	1.5	2	<2			<0.0002			<0.002	0.010						
Jun/14	131	2	360	8.0	<1	25.7	16	187	1.19	21	<0.06	<1.0	<1	<2	<0.001	0.15	<0.0002	0.0039	0.008	<0.002	0.012	<0.0004	<0.0001	0.049	0.26	1.05	
Jun/15	140	<1	340	7.8	<1	27.4	16	190	1.67	24	<0.10	1.4	<1	2			<0.005				<0.05						
Jun/16	132	1	360	8.0	<1	26.0	16	185	1.46	22	<0.06	1.5	<1	<2			<0.0002			<0.002	0.011						
Jun/17	138	3	360	8.0	<1	27.2	17	186	1.37	22	0.40	1.8	8	<2	0.0004	0.126	<0.0002	<0.001	<0.001	<0.002	0.010	<0.00005	<0.001	0.037	0.23	0.92	

Note:

* Sodium level of 20 mg/l may be of concern if on sodium restricted diet

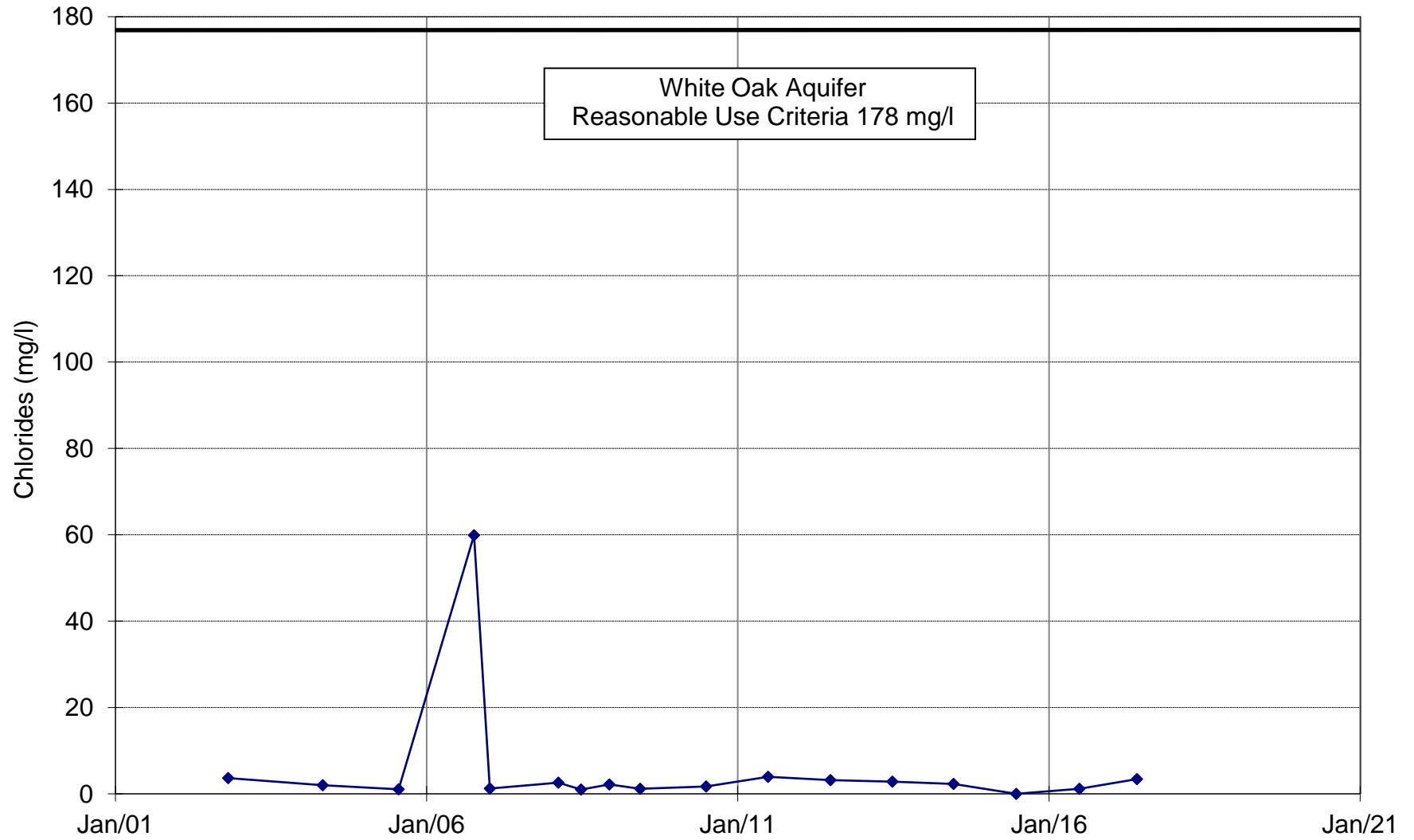
** Guideline value not required as drinking water contributes negligibly to an individual's daily intake (Canadian Drinking Water Guidelines)

*** For a list of parameter abbreviations and descriptions please see Attachment A

Limited results prior to 1990 are available for fluoride, total phosphorus, soluble phosphorus and TOC.

Ammonia, TKN, Nitrites, Manganese and Cyanide no longer monitored. Historical data available.

**Private Well #31
4267 Manning Dr.**



**W12A Landfill
Water Well Monitoring Program**

Private Well #32 Location: Downgradient
3378 Glanworth Drive Hydrostatic Unit: White Oak Aquifer
 Well Depth: 113 feet

AVG	488	10	918	6.1	1	140	33	240	5.9	7	0.02	1.5	314	0.8	0.00	0.03	0.00	0.00	0.003	0.00	0.005	0.00		0.13	0.02	0.17
STD	129	3	223	0.2	0	38	8	18	4.7	1	0.00	0.9	94	2.7	0.00	0.006	0.00	0.00	0.002	0.00	0.005	0.00		0.10	0.00	0.00
# of samples	12	12	12	12	12	12	12	12	12	12	12	12	12	12	5	5	12	5	5	6	12	5	2	5	5	2

PARAMETER	HARDNESS	Cl	CONDUCTIVITY	pH	PHENOL	Ca	Mg	ALKALINITY	Fe	Na	NO ₃	DOC	SO ₄	K	As	Ba	Cd	Cr	Cu	Pb	Ni	Se	Ag ⁺⁺	Zn	B	Sr	Comments
ODWO Units	100 mg/l	250 mg/l	umhos/cm	6.5 - 8.5	ug/l	mg/l	mg/l	500 mg/l	0.3 mg/l	200 mg/l	10.00 mg/l	5.0 mg/l	500 mg/l	mg/l	0.025 mg/l	1.000 mg/l	0.0050 mg/l	0.050 mg/l	1.000 mg/l	0.010 mg/l	mg/l	0.010 mg/l	mg/l	5.0 mg/l	5.0 mg/l	mg/l	
Jun/04	395	4	800	7.9	<1	112	28	244	2.8	10	<0.06	1.2	181	7.4			<0.0002			<0.002	0.006						
Jun/05	537	11	841	7.4	<1	148	41	286	3.5	8	<0.06	2.0	271	<2.0	<0.001	0.038	<0.0002	<0.002	0.008	<0.002	0.004	<0.002		0.215	0.03		
Jun/06	635	12	1,160	7.4	<1	185	42	278	3.8	8	<0.06	1.7	329	<2.0			<0.0002			<0.002	<0.002			0.098	0.03		
Oct/06	568	13	1,170	7.2	<1	156	43	282	4.3	10	<0.06	1.8	323	<2.0	<0.001	0.040	<0.0002	<0.002	<0.002	<0.002	<0.002	<0.002					
Jun/07	652	11	1,190	7.3	<1	191	42	292	3.7	8	<0.06	0.7	463	<2.0			0.0004			<0.001	0.003	<0.002		0.290	0.03		
Jun/08	686	12	730	7.1	7	203	44	286	9.4	9	0.20	4.4	454	<2.0	<0.001	0.033	0.0003	<0.001	0.003	<0.001	0.005	<0.002					
Jun/09	<1	12	1,080	7.2	<1	<1	<0.1	302	5.2	<2	<0.06	2.0	417	<2.0			0.0004				0.016						
Jun/10																											No access, no sample
Jun/11																											No access, no sample
Jun/13	782	15	1,370	7.2	<1	226	53	305	8.6	11	0.09	1.4	395	<2.0			0.0004			<0.002	0.013						
Jun/14	802	15	1,370	7.2	<1	232	54	314	11.6	11	<0.06	1.6	496	<2.0	<0.001	0.025	0.0007	0.001	0.005	<0.002	0.011	<0.0004	<0.0001	0.028	0.03	0.35	
Jun/15	800	17	1,300	7.6	<1	221	54	290	18.5	9	<0.10	1.2	440	2.0			<0.005				<0.05						
Jun/16	667	18	1,520	7.1	<1	145	74	332	3.5	80	<0.06	1.7	506	3.8			0.0003				0.014						
Jun/17	11	19	1,790	7.5	<1	3	1	335	0.1	397	0.40	1.6	540	<2.0	<0.001	0.001	<0.0002	0.001	0.003	<0.002	0.012	<0.0005	<0.001	0.011	<0.10	0.01	

Note:

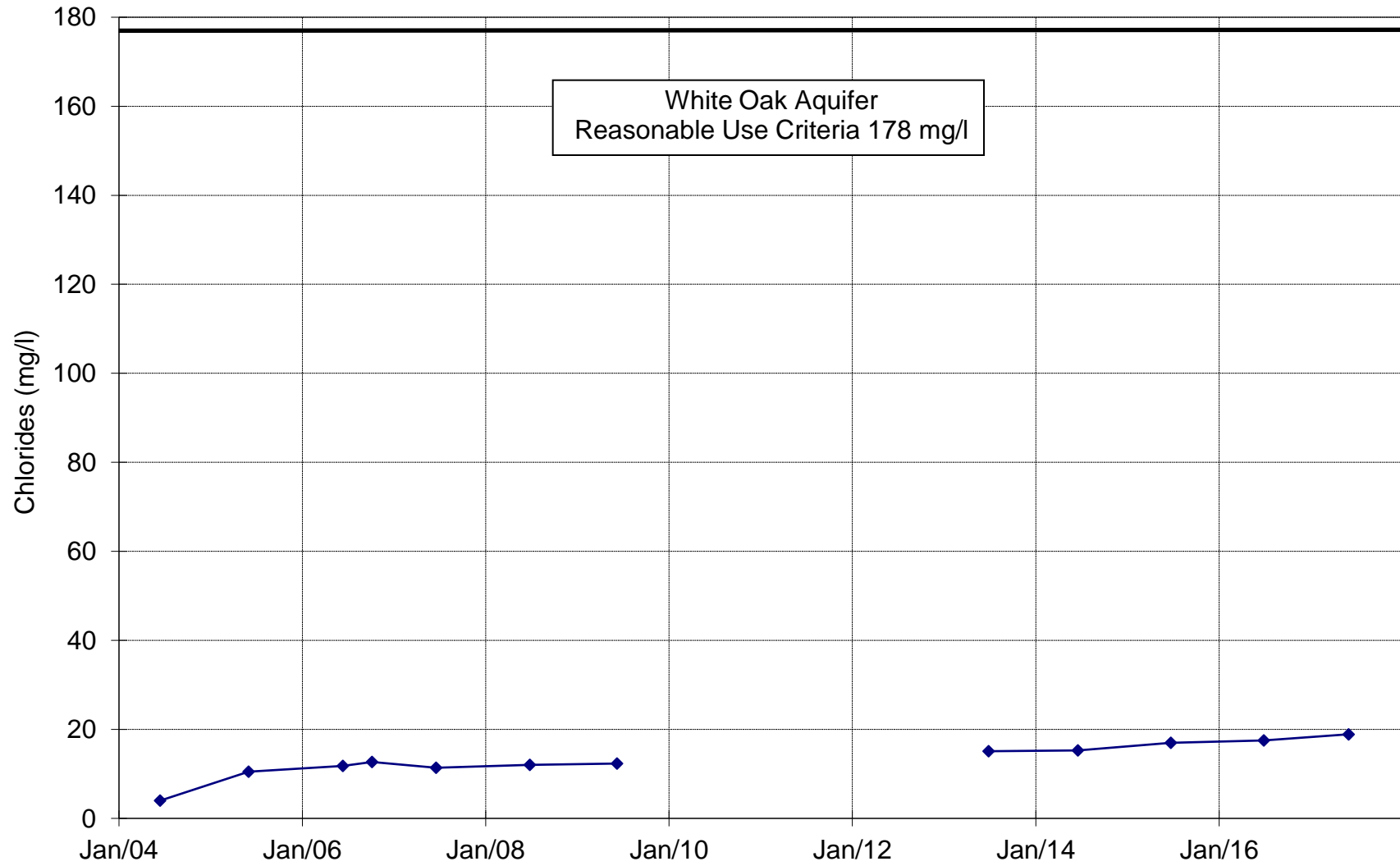
* Sodium level of 20 mg/l may be of concern if on sodium restricted diet

** Guideline value not required as drinking water contributes negligibly to an individual's daily intake (Canadian Drinking Water Guidelines)

Limited results prior to 1990 are available for fluoride, total phosphorus, soluble phosphorus and TOC.

Ammonia, TKN, Nitrites, Manganese and Cyanide no longer monitored. Historical data available.

Private Well #32
3378 Glanworth Dr.



**W12A Landfill
Water Well Monitoring Program**

Private Well #33 Location: Downgradient
6597 Wellington Road Hydrostatic Unit: White Oak Aquifer
 Well Depth:

AVG	336	4	660	7.5	1.0	94	24	239	3.0	17	0.01	2.0	134	0.4	0.002	0.11	0.00	0.000	0.000	0.000	0.008	0.0000	0.00	0.04	0.06	0.6
STD	107	2	185	0.2	0.0	31	6	21	0.5	12	0.00	0.8	66	0.0	0.000	0.03	0.00	0.000	0.000	0.000	0.005	0.0000	0.00	0.01	0.00	0.0
# of samples	9	9	9	9	9	9	9	9	9	9	9	9	9	9	2	2	9	3	3	3	9	2	1	2	2	1

PARAMETER	HARDNESS	Cl	CONDUCTIVITY	pH	PHENOL	Ca	Mg	ALKALINITY	Fe	Na*	NO ₃	DOC	SO ₄	K	As	Ba	Cd	Cr	Cu	Pb	Ni	Se	Ag**	Zn	B	Sr	Comments
ODWO Units	100 mg/l	250 mg/l	umhos/cm	6.5	ug/l	mg/l	mg/l	500 mg/l	0.3 mg/l	200 mg/l	10 mg/l	mg/l	500 mg/l	mg/l	0.025 mg/l	1 mg/l	0.005 mg/l	0.05 mg/l	1 mg/l	0.01 mg/l	mg/l	0.01 mg/l	mg/l	5 mg/l	5 mg/l	mg/l	
Jun/06	260	2	562	7.6	<1	71	20	228	2.5	12	<0.06	2.0	67	<2			<0.0002				<0.002						
Jun/07	280	2	639	7.8	<1	78	21	230	2.7	13	<0.06	2.6	92	<2			0.0003				0.002						
Jun/08	286	3	340	7.3	9	81	21	208	2.6	12	<0.06	3.8	99	<2	0.002	0.15	<0.0002	<0.001	<0.001	<0.001	<0.001	<0.002		0.036	0.07		
Jun/09	213	2	550	7.5	<1	59	16	237	2.2	50	<0.06	2.1	105	2			<0.0002				0.018						
Jun/11																											No Access, no sample
Jun/12	330	4	670	7.5	<1	92	24	241	3.0	13	<0.06	0.9	116	<2			0.0003				0.013						
Jun/13	306	4	640	7.6	<1	85	23	235	3.5	15	0.06	1.7	106	<2			<0.0002			<0.002	0.013						
Jun/14	297	4	620	7.4	<1	82	22	227	2.7	14	<0.06	2.0	106	<2	0.0016	0.08	<0.0002	<0.001	0.001	<0.002	0.013	<0.0004	<0.0001	0.050	0.06	0.55	
Jun/15	550	6	950	7.7	<1	153	34	280	3.8	11	<0.10	1.3	260	2			<0.005				<0.05						
Jun/16	502	7	970	7.3	<1	145	34	269	3.7	12	<0.06	1.5	250	<2			0.0003				0.013						
Jun/17																											No access, no sample

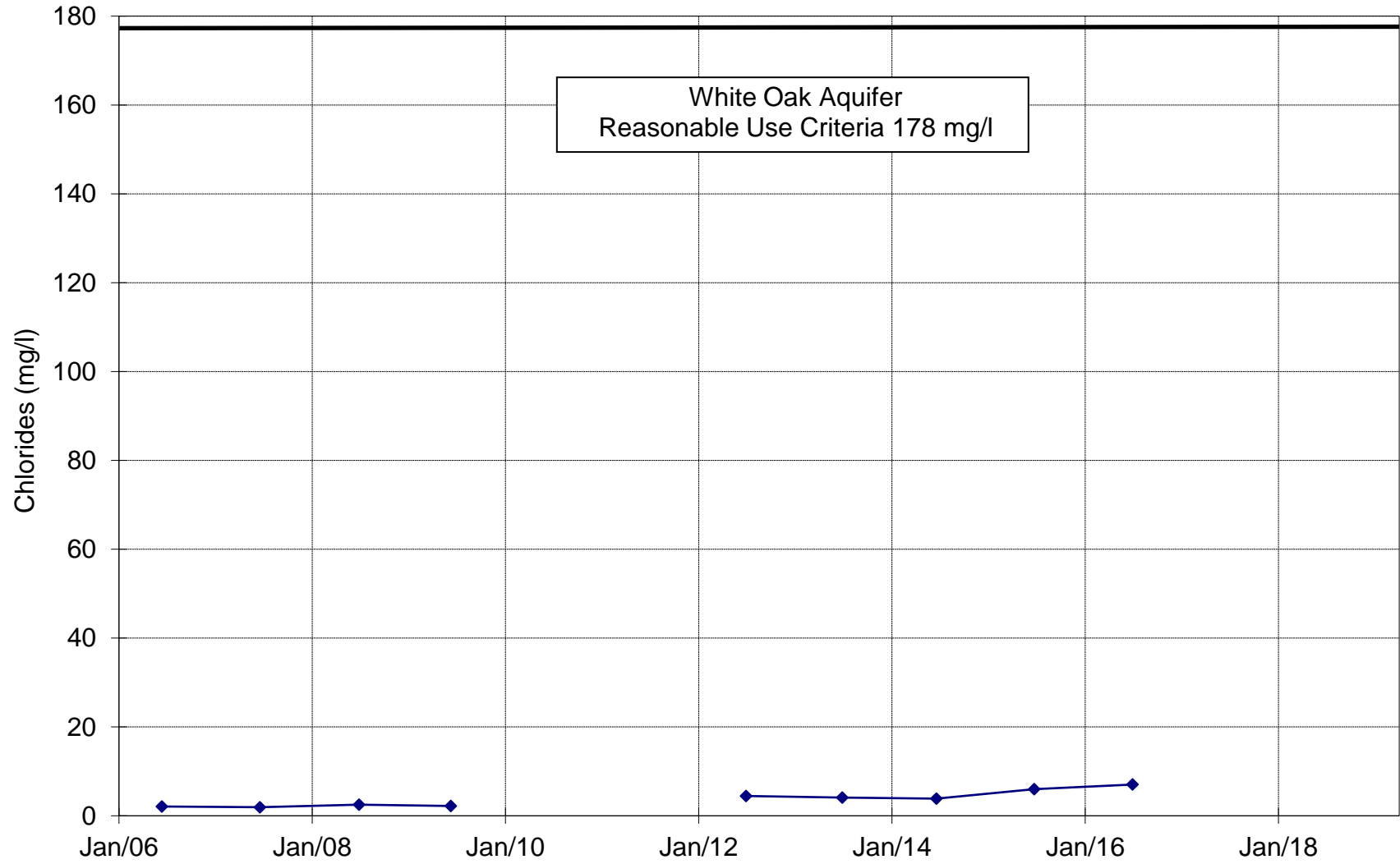
Note:

* Sodium level of 20 mg/l may be of concern if on sodium restricted diet

** Guideline value not required as drinking water contributes negligibly to an individual's daily intake (Canadian Drinking Water Guidelines)

*** For a list of parameter abbreviations and descriptions please see Attachment A

**Private Well #33
6597 Wellington Rd.**



W12A Landfill
Water Well Monitoring Program

Private Well #36
6774 White Oak Road

Location: Crossgradient
Hydrostatic Unit: Upper Aquifer

AVG	273	10	732	7.2	0.0	89	12	346	19.0	61	2.46	1.5	15	3.1	0.000	0.02	0.00	0.000	0.007	0.000	0.006	0.0000	0.00	0.009	0.0	0.1
STD	75	3	84	0.2	0.0	35	3	17	21.6	66	1.09	0.2	5	0.8	0.000	0.00	#DIV/0!	0.000	0.001	0.000	0.002	0.0000	0.00	0.001	0.0	0.0
# of samples	7	7	7	7	7	7	7	7	7	8	7	7	7	7	4	4	7	4	4	5	7	4	2	4	4	2

PARAMETER	HARDNESS	Cl	CONDUCTIVITY	pH	PHENOL	Ca	Mg	ALKALINITY	Fe	Na*	NO ₃	DOC	SO ₄	K	As	Ba	Cd	Cr	Cu	Pb	Ni	Se	Ag**	Zn	B	Sr	Comments	
ODWO	100	250	umhos/cm	6.5	ug/l	mg/l	mg/l	500	0.3	200	10	mg/l	500	mg/l	0.025	1	0.005	0.05	1	0.01	mg/l	0.01	0.050	5	5	mg/l	mg/l	
Units	mg/l	mg/l						mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l		
Oct/06	353	5	907	6.9	<1	117	15	358	16.30	23	0.23	1.5	2	5.5	<0.0010	0.03	<0.0002	<0.002	0.006	<0.002	0.003	<0.002		0.009	0.002			
Jun/11	153	14	610	7.1	<1	26	21	323	13.70	58	2.50	1.3	17	<2.0	<0.0010	0.02	<0.0002	<0.001	0.008	0.001	0.008	<0.002		0.007	0.016			
Jun/12	<1.0	10	720	7.3	<1	<1	<0.10	346	0.02	174	2.10	2.0	17	<2.0			<0.0002				0.007							
Aug/12										170																		
Jun/13	337	10	720	7.1	<1	115	12	339	45.90	17	4.10	1.3	19	4.0			<0.0002			<0.002	0.008							
Jun/14	357	12	740	7.1	<1	122	13	362	56.80	16	2.34	1.2	17	3.7	<0.0010	0.02	<0.0002	<0.001	0.007	<0.002	0.008	<0.0004	<0.0001	0.011	0.018	0.15		
Jun/15	370	13	750	7.6	<1	131	12	370	0.03	17	3.05	1.7	16	5.0			<0.0005				<0.05							
Jun/17	342	9	680	7.2	<1	115	13	326	0.03	10	2.90	1.6	16	3.5	0.0003	0.020	<0.0002	0.001	0.007	<0.002	0.008	0.0002	<0.001	0.01	0.02	0.14		

ODWO: Ontario Drinking Water Standards

Note:
* Sodium level of 20 mg/l may be of concern if on sodium restricted diet
** Canadian Drinking Water Guideline
*** For a list of parameter abbreviations and descriptions please see Attachment A

Private Well #36
6774 White Oak Rd.

