

TOWN OF OLD LYME
WATER POLLUTION CONTROL AUTHORITY

GROUNDWATER QUALITY DATA

HN-5D	Top Ground To Water Feet	Spec Cond. umhos/cm	Chloride mg/l	Nitrate mg/l	Nitrite mg/l	TKN mg/l	Ammonia mg/l	Total Nitrogen mg/l	Tl Coli. Bact #/100 ml	Fecal Coli #/100 ml	Fecal Strepto. #/100 ml	Escheri. Coli #/100 ml
9/8/2000	3.60	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
9/13/2000	3.56	195	21	3.30	<i>0.005</i>	1.30	<i>0.05</i>	4.6	nt	2	2	nt
4/25/2001	2.32	194	22	3.40	<i>0.005</i>	0.23	<i>0.05</i>	3.6	nt	2	2	nt
5/31/2002	2.69	220	28	6.90	<i>0.010</i>	0.24	<i>0.02</i>	7.2	nt	10	10	nt
8/23/2002	4.27	230	27	7.40	<i>0.010</i>	0.73	0.28	8.1	10	10	10	nt
5/7/2003	2.46	230	28	7.10	<i>0.010</i>	0.80	0.07	7.9	10	10	10	nt
9/9/2003	3.25	200	23	7.20	<i>0.010</i>	0.31	0.02	7.5	60	20	20	nt
6/10/2004	2.86	200	22	5.60	<i>0.010</i>	0.69	0.09	6.3	10	10	10	10
8/17/2004	3.40	210	21	6.10	<i>0.010</i>	0.36	0.06	6.5	10	10	10	10
5/10/2005	2.34	210	20	6.40	<i>0.010</i>	0.37	0.04	6.8	10	10	10	nt
9/14/2005	4.15	230	24	7.20	0.010	0.51	0.08	7.7	20	20	20	20
8/9/2006	3.39	230	22	7.70	0.010	0.16	0.05	7.9	20	20	20	20
5/8/2007	2.50	220	22	6.20	<i>0.010</i>	<i>0.10</i>	0.02	6.3	20	20	20	20
4/16/2008	2.62	197	22	3.40	<i>0.010</i>	<i>0.10</i>	<i>0.02</i>	3.5	10	10	10	10
9/3/2008	3.75	190	18	5.90	<i>0.010</i>	0.39	0.04	6.3	10	10	10	10
5/19/2009	2.50	nt	19	5.50	<i>0.010</i>	0.61	0.12	6.1	10	10	10	10
8/28/2009	3.35	199	21	6.40	<i>0.010</i>	0.19	0.04	6.6	10	10	10	10
5/21/2010	nt	201	24	6.00	nt	0.98	0.06	7.0	10	10	10	10
9/15/2010	3.85	216	27	6.30	<i>0.010</i>	0.56	0.08	6.9	10	10	10	10
11/8/2011	2.50	310	81	5.20	<i>0.010</i>	0.86	0.09	6.1	10	10	10	10
6/19/2012	2.85	254	42.2	5.55	<i>0.010</i>	0.65	0.05	6.2	10	10	10	10
10/3/2013	3.55	2260	931.0	7.63	<i>0.010</i>	1.45	0.12	9.1	10	10	10	10
Minimum	2.32	190	18	3.30	<i>0.005</i>	0.10	<i>0.02</i>	3.5	10	2	2	10
Maximum	4.27	2260	931	7.70	0.010	1.45	0.28	9.1	60	20	20	20
Average	3.13	320	70	6.02	0.010	0.55	0.07	6.6	na	na	na	na

Bold/Italic

Represents minimum detection limit for that parameter. The testing laboratory reported the value as being less than minimum detection limit (mdl). The mdl is reported to allow for computation of averages. The actual average value is less than computed and is shown as bold/italic.

TOWN OF OLD LYME
WATER POLLUTION CONTROL AUTHORITY

GROUNDWATER QUALITY DATA

HN-5S	Top Ground To Water Feet	Spec Cond. umhos/cm	Chloride mg/l	Nitrate mg/l	Nitrite mg/l	TKN mg/l	Ammonia mg/l	Total Nitrogen mg/l	Tl Coli. Bact #/100 ml	Fecal Coli #/100 ml	Fecal Strepto. #/100 ml	Escheri. Coli #/100 ml
9/8/2000	3.66	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
9/13/2000	3.64	177	17	3.30	<i>0.005</i>	1.50	<i>0.05</i>	4.8	nt	2	2	nt
4/25/2001	2.38	180	22	2.70	<i>0.005</i>	0.54	<i>0.05</i>	3.2	nt	2	2	nt
5/31/2002	2.74	170	12	7.70	<i>0.010</i>	0.58	0.02	8.3	nt	<i>10</i>	<i>10</i>	nt
8/23/2002	4.31	170	18	6.40	<i>0.010</i>	0.63	0.25	7.0	<i>10</i>	<i>10</i>	<i>10</i>	nt
5/7/2003	2.50	200	29	5.60	<i>0.010</i>	0.53	0.09	6.1	<i>10</i>	<i>10</i>	<i>10</i>	nt
9/9/2003	3.30	150	10	5.40	<i>0.010</i>	0.30	0.03	5.7	75	20	20	nt
6/10/2004	2.90	210	20	7.80	0.010	1.00	0.11	8.8	<i>10</i>	<i>10</i>	<i>10</i>	<i>10</i>
8/17/2004	3.44	200	16	6.90	0.010	0.29	0.06	7.2	<i>10</i>	<i>10</i>	<i>10</i>	<i>10</i>
5/10/2005	2.38	210	22	7.00	<i>0.010</i>	0.42	0.04	7.4	<i>10</i>	<i>10</i>	<i>10</i>	nt
9/14/2005	4.20	220	16	7.20	<i>0.010</i>	0.63	0.07	7.8	20	20	20	20
8/9/2006	3.43	180	13	5.30	<i>0.010</i>	1.50	0.02	6.8	20	20	20	20
5/8/2007	2.50	170	18	3.40	<i>0.010</i>	<i>0.10</i>	0.04	3.5	20	20	20	20
4/16/2008	2.66	180	19	3.80	<i>0.010</i>	0.79	<i>0.02</i>	4.6	<i>10</i>	<i>10</i>	<i>10</i>	<i>10</i>
9/3/2008	3.79	215	17	10.00	<i>0.010</i>	0.60	0.07	10.6	<i>10</i>	<i>10</i>	<i>10</i>	<i>10</i>
5/19/2009	2.53	nt	21	6.60	<i>0.010</i>	0.91	0.12	7.5	<i>10</i>	<i>10</i>	<i>10</i>	<i>10</i>
8/28/2009	3.37	191	17	6.40	<i>0.010</i>	0.23	0.08	6.6	<i>10</i>	<i>10</i>	<i>10</i>	<i>10</i>
5/21/2010	nt	193	22	6.10	nt	0.99	0.06	7.0	<i>10</i>	<i>10</i>	<i>10</i>	<i>10</i>
9/15/2010	3.91	201	20	4.80	<i>0.010</i>	1.00	0.11	5.8	<i>10</i>	<i>10</i>	<i>10</i>	<i>10</i>
11/8/2011	4.48	1100	270	22.00	<i>0.010</i>	2.30	0.09	24.3	20	<i>10</i>	<i>10</i>	<i>10</i>
6/19/2012	2.91	226	26.8	9.13	0.010	0.87	0.04	10.0	<i>10</i>	<i>10</i>	<i>10</i>	<i>10</i>
10/3/2013	3.60	355	83.8	7.81	<i>0.010</i>	1.38	0.06	9.2	<i>10</i>	<i>10</i>	<i>10</i>	<i>10</i>
Minimum	2.38	150	10	2.70	<i>0.005</i>	0.10	0.02	3.2	<i>10</i>	2	2	<i>10</i>
Maximum	4.48	1100	270	22.00	0.010	2.30	0.25	24.3	75	20	20	20
Average	3.27	245	34	6.92	0.010	0.81	0.07	7.7	na	na	na	na

Bold/Italic

Represents minimum detection limit for that parameter. The testing laboratory reported the value as being less than minimum detection limit (mdl). The mdl is reported to allow for computation of averages. The actual average value is less than computed and is shown as bold/italic.

TOWN OF OLD LYME
WATER POLLUTION CONTROL AUTHORITY

GROUNDWATER QUALITY DATA

SV-2	Top Ground To Water Feet	Spec Cond. umhos/cm	Chloride mg/l	Nitrate mg/l	Nitrite mg/l	TKN mg/l	Ammonia mg/l	Total Nitrogen mg/l	Tl Coli. Bact #/100 ml	Fecal Coli #/100 ml	Fecal Strepto. #/100 ml	Escheri. Coli #/100 ml
6/25/1998	1.58	596	117	0.06	0.041	5.90	4.50	6.0	2	2	2	nt
9/23/1998	2.02	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
10/1/1998	2.15	254	450	0.01	0.005	3.70	4.20	3.7	18	20	2	nt
4/6/1999	1.87	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
5/12/1999	2.17	994	160	0.01	0.017	4.50	4.00	4.5	0	2	2	nt
10/19/1999	1.31	3140	900	0.04	0.017	9.60	5.80	9.7	0	2	0	nt
6/21/2000	1.57	875	120	0.01	0.011	4.30	2.50	4.3	9	2	0	nt
9/8/2000	2.11	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
9/13/2000	1.67	1970	460	0.01	0.019	10.00	5.50	10.0	nt	250	12	nt
5/4/2001	2.24	1300	220	0.01	0.045	7.50	4.40	7.6	nt	4	4	nt
9/26/2001	1.37	1200	190	0.18	0.010	7.80	4.20	8.0	nt	100	100	nt
5/31/2002	1.95	970	88	0.01	0.010	5.80	3.90	5.8	nt	10	160	nt
8/22/2002	2.74	1300	210	0.08	0.010	13.00	6.80	13.1	10	10	50	nt
5/7/2003	1.72	880	110	0.13	0.010	5.10	3.40	5.2	10	10	10	nt
9/9/2003	1.82	1000	180	0.05	0.010	7.80	4.90	7.9	20	20	20	nt
6/10/2004	2.01	1000	160	0.05	0.010	4.00	3.10	4.1	10	10	10	10
8/18/2004	1.68	1300	200	0.05	0.010	6.30	5.10	6.4	10	10	10	nt
5/11/2005	1.81	750	110	0.06	0.010	5.90	3.30	6.0	10	10	10	nt
9/13/2005	2.47	1100	130	0.05	0.010	9.40	7.20	9.5	20	20	20	20
8/10/2006	1.87	1700	330	0.05	0.010	7.60	5.10	7.7	20	20	20	20
5/8/2007	2.00	1100	220	0.01	0.090	4.10	2.90	4.2	20	20	20	20
8/29/2007	nt	1200	200	0.03	0.012	8.90	6.90	8.9	10	10	10	10
4/16/2008	1.83	886	180	0.10	0.010	4.80	2.30	4.9	10	10	10	10
9/4/2008	2.42	1640	320	0.01	0.010	9.20	6.40	9.2	10	10	10	10
5/21/2009	nt	nt	120	0.01	0.060	4.90	3.70	5.0	10	10	10	10
8/18/2009	2.12	1320	230	0.01	0.010	7.60	6.20	7.6	10	10	10	10
5/24/2010	nt	783	110	0.01	nt	4.40	3.60	4.4	10	10	40	10
9/16/2010	1.95	1900	380	0.01	0.010	8.50	7.20	8.5	10	10	10	10
11/9/2011	1.67	1470	420	0.01	0.080	8.90	4.40	9.0	10	10	10	10
6/19/2012	1.82	1350	322	0.01	0.080	4.59	3.62	4.7	10	10	10	10
10/3/2013	1.92	2120	964	0.01	0.050	10.90	9.64	11.0	10	10	10	10
Minimum	1.31	254	88	0.01	0.005	3.70	2.30	3.7	0	2	0	10
Maximum	2.74	3140	964	0.18	0.090	13.00	9.64	13.1	20	250	160	20
Average	1.92	1263	271	0.04	0.025	6.96	4.81	7.0	na	na	na	na

Bold/Italic

Represents minimum detection limit for that parameter. The testing laboratory reported the value as being less than minimum detection limit (mdl). The mdl is reported to allow for computation of averages. The actual average value is less than computed and is shown as bold/italic.

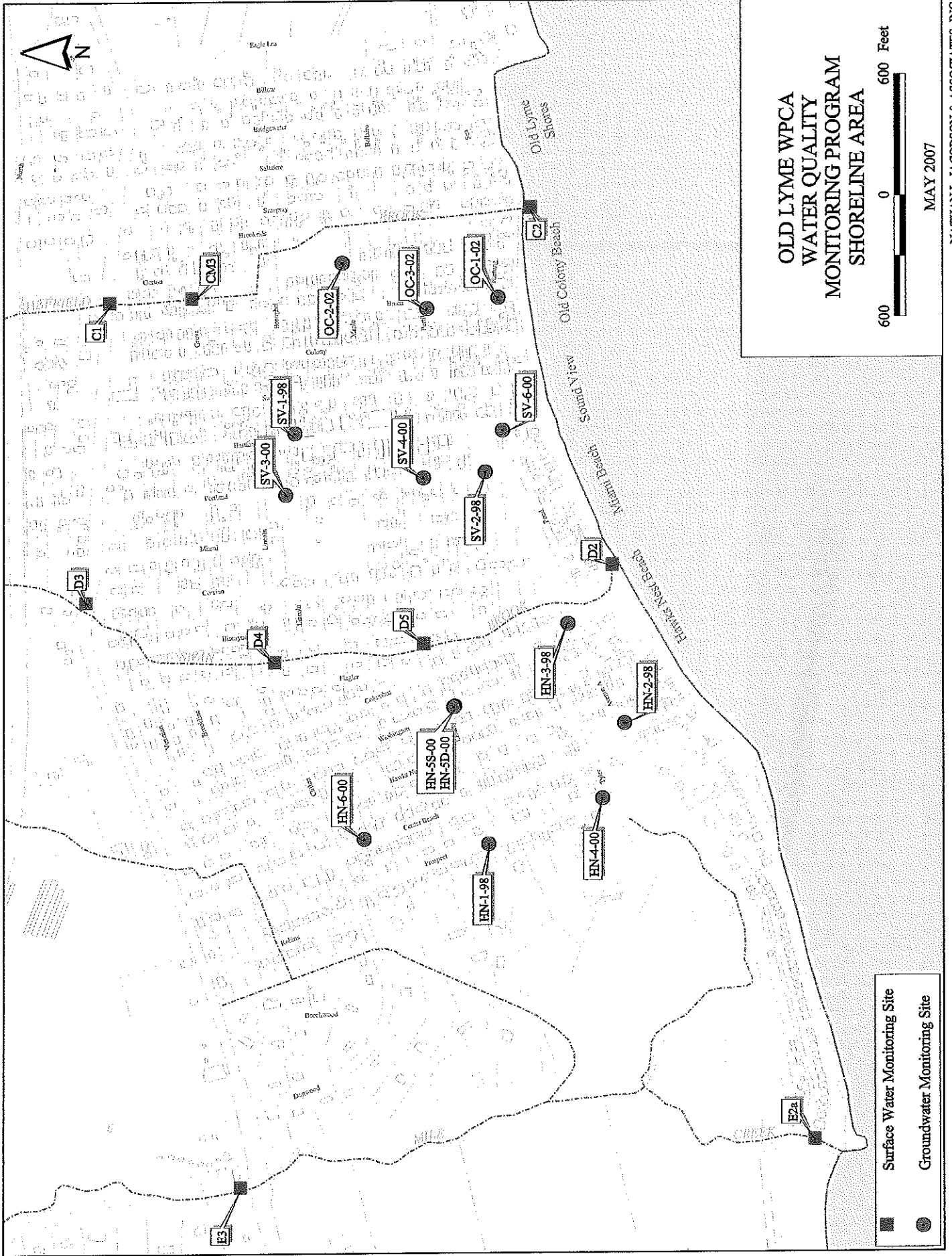
TOWN OF OLD LYME
WATER POLLUTION CONTROL AUTHORITY

GROUNDWATER QUALITY DATA

SV-6	Top Ground To Water Feet	Spec Cond. umhos/cm	Chloride mg/l	Nitrate mg/l	Nitrite mg/l	TKN mg/l	Ammonia mg/l	Total Nitrogen mg/l	Tl Coli. Bact #/100 ml	Fecal Coli #/100 ml	Fecal Strepto. #/100 ml	Escheri. Coli #/100 ml
9/8/2000	1.62	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt
9/13/2000	1.40	688	160	<i>0.01</i>	<i>0.005</i>	2.80	0.70	2.8	nt	2	16	nt
5/4/2001	1.41	580	110	<i>0.01</i>	<i>0.005</i>	2.00	0.77	2.0	nt	4	4	nt
9/26/2001	0.98	510	110	0.22	<i>0.010</i>	1.20	0.67	1.4	nt	<i>100</i>	<i>100</i>	nt
5/31/2002	1.49	540	100	<i>0.01</i>	<i>0.010</i>	2.00	1.30	2.0	nt	<i>10</i>	70	nt
8/22/2002	1.62	510	94	0.08	<i>0.010</i>	6.00	1.60	6.1	<i>10</i>	<i>10</i>	>600	nt
5/7/2003	1.40	460	82	0.23	<i>0.010</i>	1.40	0.72	1.6	<i>10</i>	<i>10</i>	<i>10</i>	nt
9/9/2003	1.17	420	80	<i>0.05</i>	<i>0.010</i>	1.70	0.46	1.8	180	160	200	nt
6/10/2004	1.50	600	120	<i>0.05</i>	<i>0.010</i>	3.40	0.87	3.5	<i>10</i>	<i>10</i>	<i>10</i>	<i>10</i>
8/17/2004	1.12	460	80	<i>0.05</i>	<i>0.010</i>	1.40	0.54	1.5	200	1000	50	nt
5/11/2005	1.34	430	73	<i>0.05</i>	<i>0.010</i>	1.30	0.73	1.4	<i>10</i>	<i>10</i>	<i>10</i>	nt
9/13/2005	1.81	460	76	<i>0.05</i>	<i>0.010</i>	5.40	2.50	5.5	20	20	300	20
8/10/2006	1.16	490	86	<i>0.05</i>	<i>0.010</i>	3.90	0.71	4.0	20	20	20	20
5/9/2007	1.63	360	56	0.01	<i>0.010</i>	0.73	0.23	0.8	20	20	20	20
8/29/2007	nt	370	63	<i>0.01</i>	<i>0.010</i>	1.00	0.34	1.0	60	50	<i>10</i>	60
4/17/2008	1.18	311	46	<i>0.01</i>	<i>0.010</i>	2.00	1.00	2.0	<i>10</i>	<i>10</i>	<i>10</i>	<i>10</i>
9/4/2008	1.54	361	57	<i>0.01</i>	<i>0.010</i>	2.20	<i>0.40</i>	2.2	40	<i>10</i>	10	<i>10</i>
5/21/2009	1.73	nt	55	<i>0.01</i>	<i>0.010</i>	1.70	0.92	1.7	300	40	20	300
8/18/2009	1.25	398	65	<i>0.01</i>	<i>0.010</i>	2.00	0.91	2.0	<i>10</i>	10	<i>10</i>	<i>10</i>
5/24/2010	nt	356	59	<i>0.01</i>	nt	<i>0.50</i>	<i>0.10</i>	<i>0.5</i>	120	<i>10</i>	<i>10</i>	<i>10</i>
9/16/2010	1.51	382	66	<i>0.01</i>	0.020	2.20	1.10	2.2	150	<i>10</i>	<i>10</i>	<i>10</i>
11/9/2011	1.03	350	63	<i>0.01</i>	<i>0.010</i>	0.61	0.19	0.6	50	<i>10</i>	<i>10</i>	<i>10</i>
6/19/2012	1.08	405	54	<i>0.05</i>	<i>0.05</i>	0.90	0.31	1.0	<i>10</i>	<i>10</i>	<i>10</i>	<i>10</i>
10/3/2013	1.33	354	94	<i>0.01</i>	0.01	1.19	0.66	1.2	20	10	10	<i>10</i>
Minimum	0.98	311	46	<i>0.01</i>	<i>0.005</i>	0.50	0.10	0.5	<i>10</i>	<i>10</i>	<i>10</i>	<i>10</i>
Maximum	1.81	688	160	0.23	0.020	6.00	2.50	6.1	300	1000	>600	20
Average	1.38	445	80	0.05	0.012	2.07	0.77	2.2	na	na	na	na

Bold/Italic

Represents minimum detection limit for that parameter. The testing laboratory reported the value as being less than minimum detection limit (mdl). The mdl is reported to allow for computation of averages. The actual average value is less than computed and is shown as bold/italic.



**OLD LYME WPCA
WATER QUALITY
MONITORING PROGRAM
SHORELINE AREA**



MAY 2007

Surface Water Monitoring Site
 Groundwater Monitoring Site