

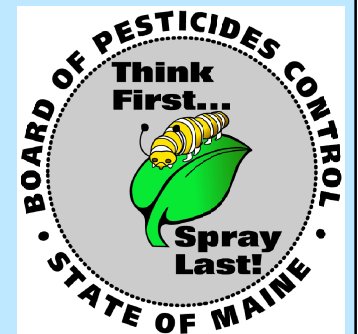
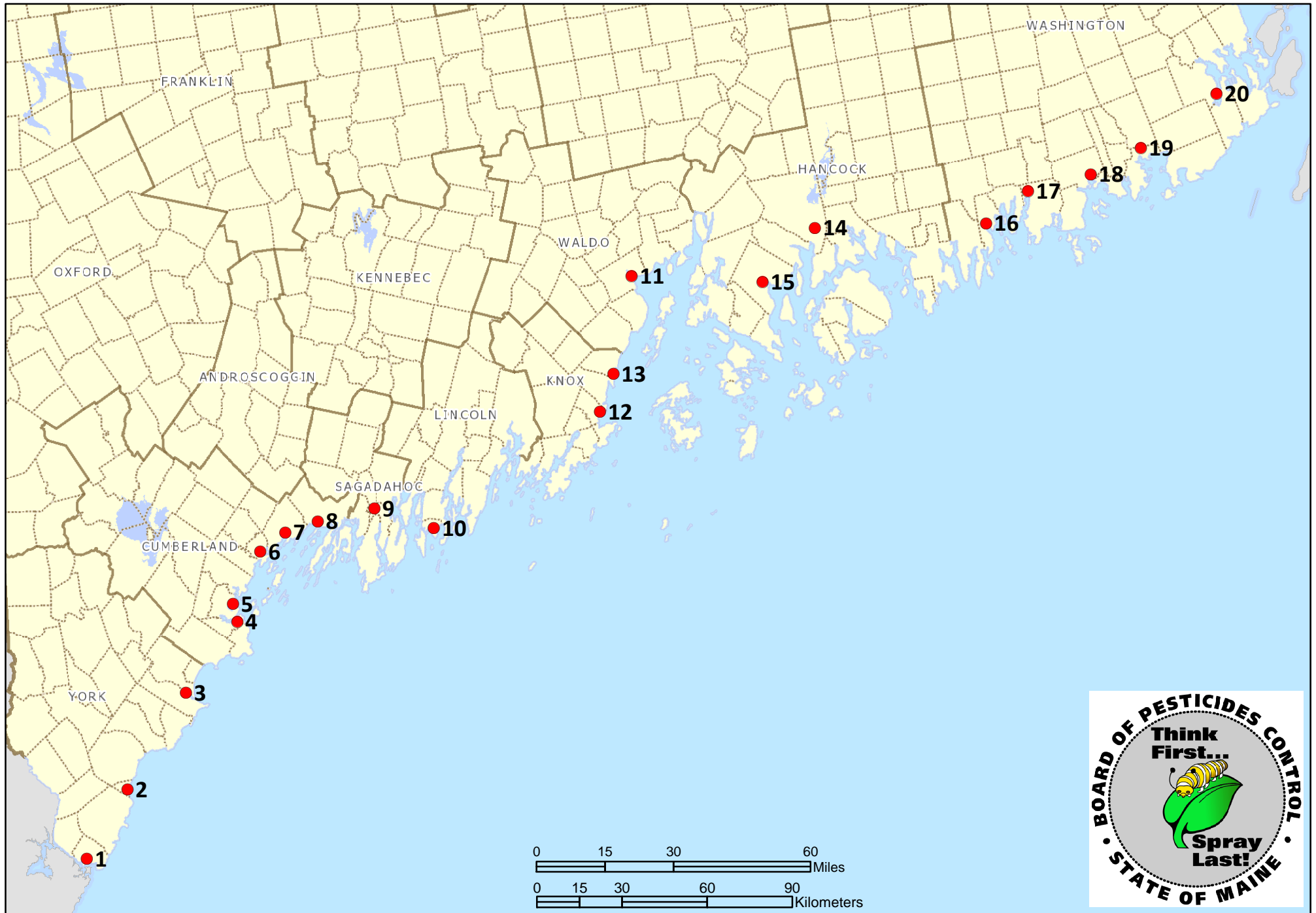
**INTERIM REPORT ON THE ENVIRONMENTAL RISK
ADVISORY COMMITTEE STUDY OF PESTICIDES AND
LOBSTERS**

**From
The Maine Board of Pesticides Control**

**To
The Joint Standing Committee on
Agriculture, Conservation and Forestry
127th Maine State Legislature**

January, 2015

Map 1. 2014 Marine Sediment Sampling Sites



APPENDIX III 2014 Marine Sediment Sampling Results

Montana Analytical Laboratory Results

Table 1. Montana Analytical Laboratory results of analyses of intertidal sediment, collected August 27 to September 10, 2014. (RL = reporting limit, ND = non-detect).

Map Key	Site	Analyte														
		Allethrin (RL=0.20 ppb)	Bifenthrin (RL=0.045 ppb)	cis-Permethrin (RL=0.20 ppb)	Cyfluthrin (RL=0.20 ppb)	Cyhalothrin, total (RL=0.27 ppb)	Cypermethrin (RL=0.20 ppb)	Deltamethrin (RL=0.40 ppb)	Fenpropathrin (RL=0.20 ppb)	Fenvalerate (RL=0.13 ppb)	Phenothrin (RL=2.0 ppb)	PBO (RL=2.0 ppb)	Prallethrin (RL=0.20 ppb)	Resmethrin (RL=2.0 ppb)	Tetramethrin (RL=0.14 ppb)	trans-Permethrin (RL=0.20 ppb)
1	Kittery	ND	0.088	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2	Ogunquit	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3	Biddeford	ND	0.76	ND	ND	ND	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
4	S. Portland	ND	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
5	Portland	ND	0.32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
6	Yarmouth	ND	0.56	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7	Freeport	ND (RL=0.45)*	0.091	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
8	Brunswick	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9	Bath	ND	0.054	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9	Bath (duplicate)	ND	0.066	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10	Boothbay Harbor	ND (RL=0.45)*	0.26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11	Belfast	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12	Rockland	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
13	Camden	ND	0.060	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
14	Ellsworth	ND (RL=0.45)*	0.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
15	Blue Hill	ND	0.26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
16	Milbridge	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
17	Addison	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
18	Jonesboro	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
19	East Machias	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
20	Cobscook Bay SP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

* Higher reporting limits are due to interference in analyses caused by chemical composition of sediment samples.

Southwest Research Institute Results

Table 2. Southwest Research Institute results of analyses of intertidal sediment, collected between August 27 and September 10, 2014. Reporting limits for the pyrethrins and pyrethroids varied by sample site (0.081-0.20 ppb) due to interference caused by the chemical composition of the sediments. Prallethrin was not reported (NR) due to inability to obtain a valid analysis. (ND = non-detect, NR = not reported)

Map Key	Site	Analyte														
		Allethrin, Total	Bifenthrin	cis-Permethrin	Cyfluthrin, Total	Cyhalothrin, Total	Cypermethrin, Total	Deltamethrin, Total	Fenpropathrin	Fenvalerate	Phenothrin	PBO	Prallethrin	Resmethrin	Tetramethrin	trans-Permethrin
1	Kittery	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND
2	Ogunquit	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND
3	Biddeford	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND
4	S. Portland	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND
5	Portland	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND
6	Yarmouth	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND
7	Freeport	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND
8	Brunswick	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND
9	Bath	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND
9	Bath (duplicate)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND
10	Boothbay Harbor	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND
11	Belfast	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND
12	Rockland	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND
13	Camden	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND
14	Ellsworth	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND
15	Blue Hill	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND
16	Milbridge	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND
17	Addison	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND
18	Jonesboro	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND
19	East Machias	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND
20	Cobscook Bay SP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND

Southwest Research Institute Results continued

Table 3. Southwest Research Institute results of analyses of intertidal sediment, collected between August 27 and September 10, 2014. Reporting limits for the pyrethrins and pyrethroids varied by sample site (0.081-0.20 ppb) due to interference caused by the chemical composition of the sediments. Imiprothrin and pyrethrum were not reported (NR) due to inability to obtain a valid analysis. (ND = non-detect, NR = not reported)

Map Key	Site	Analyte										
		Etofenprox	lambda-Cyhalothrin	Imiprothrin*	Pyrethrum*	tau-Fluvalinate , Total	Tefluthrin	Methoprene	Fipronil	Fipronil desulfanyl	Fipronil sulfide	Fipronil sulfone
1	Kittery	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	ND
2	Ogunquit	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	ND
3	Biddeford	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	ND
4	S. Portland	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	ND
5	Portland	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	ND
6	Yarmouth	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	ND
7	Freeport	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	ND
8	Brunswick	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	ND
9	Bath	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	ND
9	Bath (duplicate)	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	ND
10	Boothbay Harbor	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	ND
11	Belfast	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	ND
12	Rockland	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	ND
13	Camden	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	ND
14	Ellsworth	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	ND
15	Blue Hill	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	ND
16	Milbridge	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	ND
17	Addison	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	ND
18	Jonesboro	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	ND
19	East Machias	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	ND
20	Cobscook Bay SP	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	ND