



## 2005 Year End Report

**Safety:** Safety is a top priority. Our Hazardous Materials Training was conducted at the first meeting of the year. All employees were issued safety vests to make them more visible as they work in the field. Each truck was provided with a box to store treatment products in the bed rather than in the cab with the driver. This is not only the law, but a safety requirement. Again we had an accident-free year.

**Field Work:** In 2005, we started earlier and worked longer than in previous years. For the third year in a row the number of larvicide treatments significantly increased. However, the number of adulticide treatments also increased. These adult treatments increased in all areas, but significantly at Silver Lake.

**Service Requests:** The number of hot line calls was significantly higher this year. Half of these calls came from the Silver Lake area. As a result, we spent a lot of time trying to come up with a workable plan to control mosquitoes emerging from the lake.

**Silver Lake:** A lot of time and effort was spent trying to implement a plan to lower Silver Lake to control mosquito populations. There seems to be a majority of people in the area who support the plan. However, there was a vocal minority who attended the Flood Control meetings and loudly opposed any lowering of “their” lake. So far, the Flood Control District has been unwilling to actually “poll” their taxpayers or work with us on the issue.

We propose to conduct a larvicide trial next spring. Because of the work done to educate the public around Silver Lake, larviciding should be supported by the community.

**Record Keeping:** The data base we set up in 2004 proved very useful. Yearly reports to government agencies were quick and easy to generate. Data on our activities for meetings and reports was easy to access. And several times, we used the data base to answer specific questions. For example, we were able to document abandoned tires in the county in just a few minutes. Several times we quickly determined when, and how often, we treated specific areas.

**Public Communications:** We had a display at Woodland’s Planter’s Day celebration where we passed out literature and collected signatures to bring the City of Woodland into the District. A public meeting was held in Toutle to explain their specific mosquito problem and present a possible solution to this problem. I also made presentations to the Kelso Rotary and to the Woodland Chamber of Commerce. New brochures were printed. These were handed out at public meetings and mailed to all those who called the hot line with service requests.

**Adult Survey:** Most of our trapping this year focused on problem areas: i.e. Hot Line calls. We wanted to know what the problems really were, and if our actions were effective. We used this data to answer two important questions.

1. Is adulticiding effective in the morning? No. Mosquitoes are active from sunset to three hours after sunset, so this is the only time we should be out fogging
2. Are mosquitoes from Silver Lake spreading as far as Castle Rock, Tower Road, and Ostrander Rd, in Kelso? Yes. Hence, looking for larva of other species in those areas when the only mosquito was Cq perturbans was pointless.

We should be very pleased with our trapping program. Since we brought all activities in-house, we have been able to focus our efforts to produce information that is valuable and useful to our field workers. Not only that, but we have accomplished this at a significant cost savings.

**Budget:** We were less than 1% over budget this year. We did buy a few things that were not in the budget. The second fogger proved extremely valuable. We also spent money on uniforms which improved personal safety and our professional image in the community.

**Aerial Treatment:** We treated two places in the county by helicopter. I'm sure this helped in Woodland and Kelso. We gained experience and are ready to expand aerial treatment as warranted next year.

**Training:** I attended Mosquito University and learned more about adulticiding and made valuable contacts. Nathan Scolerude, who set most of the traps, was trained at the Washington State Health Department early in the year. Four of us attended the annual conference in October. Dana Churchel and I attended a technical workshop in November.

**Areas for Improvement:**

1. Chemical inventory: We ended the year with a significant amount of product in our storeroom. This will be used next year, but I need to do a better job of ordering just what we need.
2. Field hours: With better assignment of man power, we should be able to cut down the number of hours in Longview specifically, and in other parts of the county. A policy concerning adulticide treatment of private properties will also help.
3. Adulticide usage: We need to reduce our usage by not fogging individual properties and hopefully come up with a solution to the Silver Lake mosquito problem. Also a "trigger" count from trapping before adulticide application will help.
4. Hot Line Response: We should work on a better way to assign service requests and track responses.

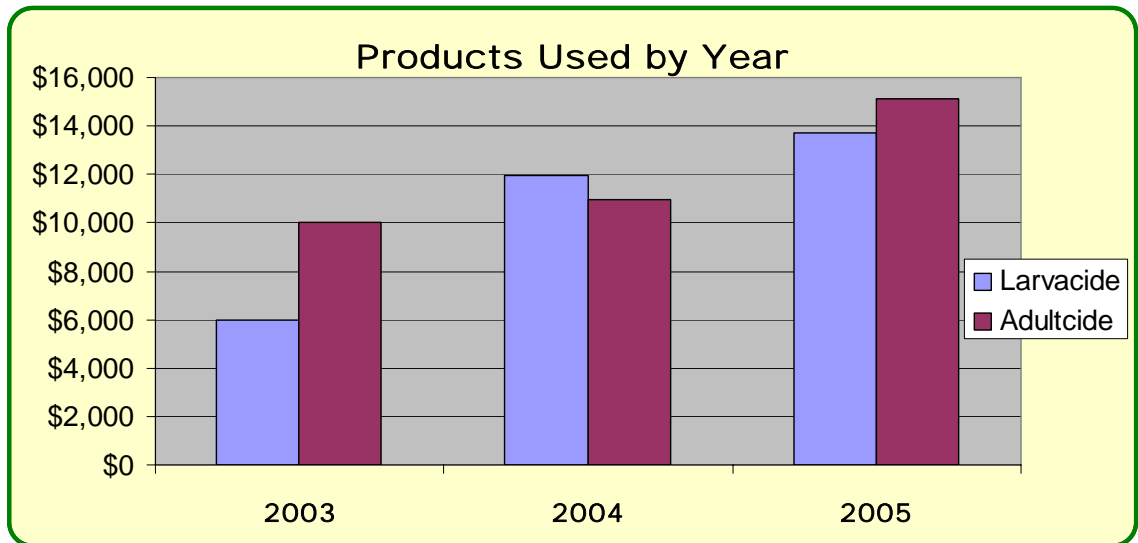
November 13, 2005

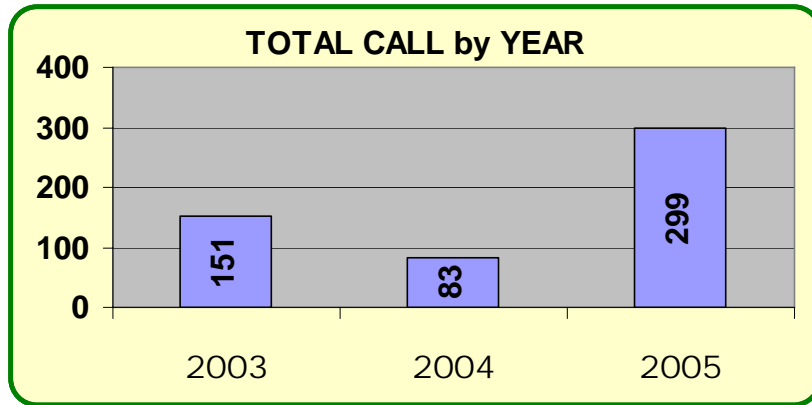
Del Gilkerson

Program Manager

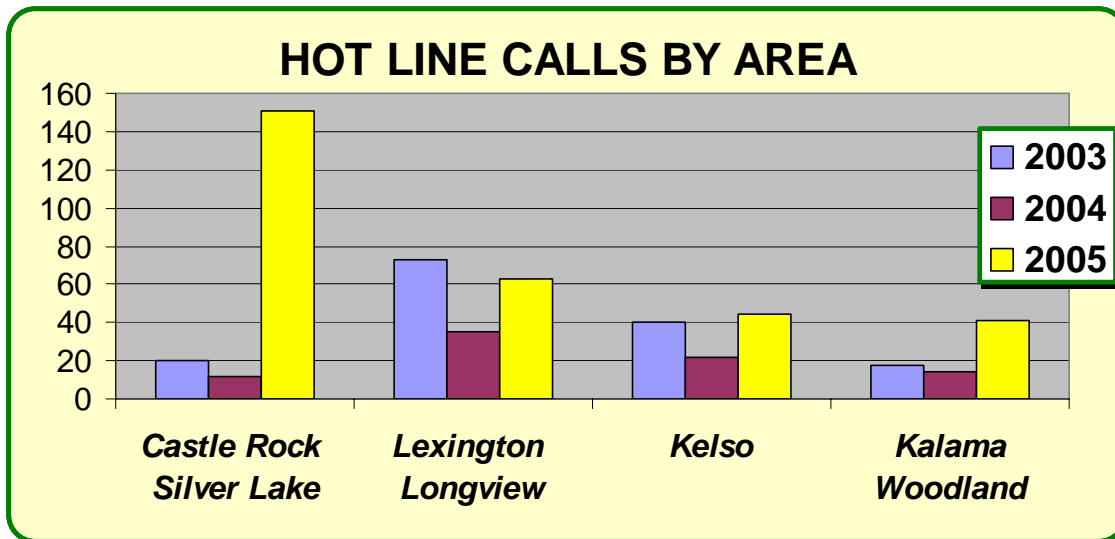
# Chemical Inventory

	2003	2004	2005	2006	2007
<b>Start:</b>		\$7,231	\$21,989	\$29,582	
<b>Used:</b>	\$5,986	\$11,966	\$13,689		
<b>Spent:</b>	\$14,470	\$23,811	\$45,440		



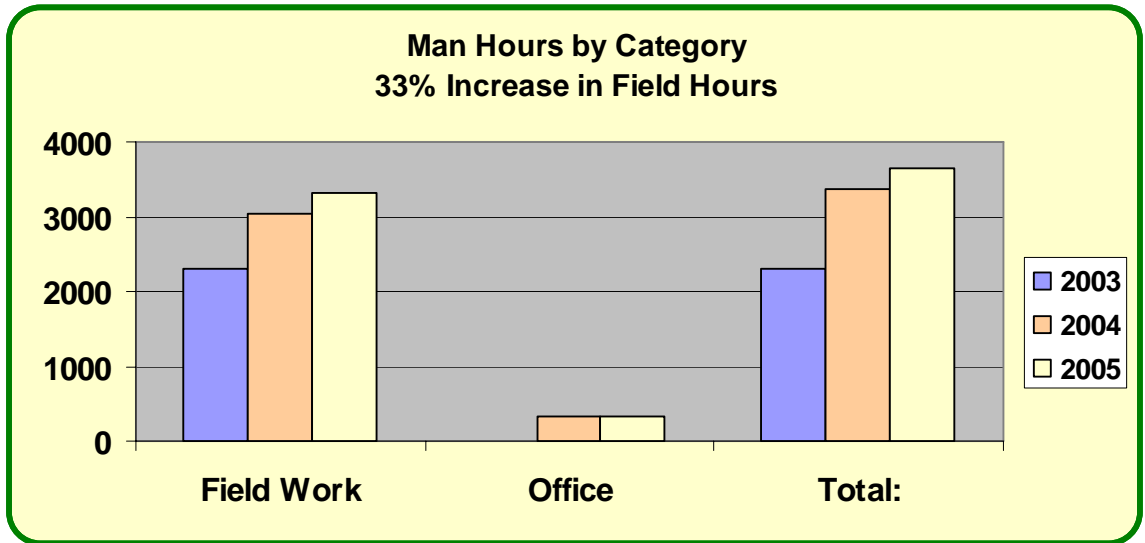
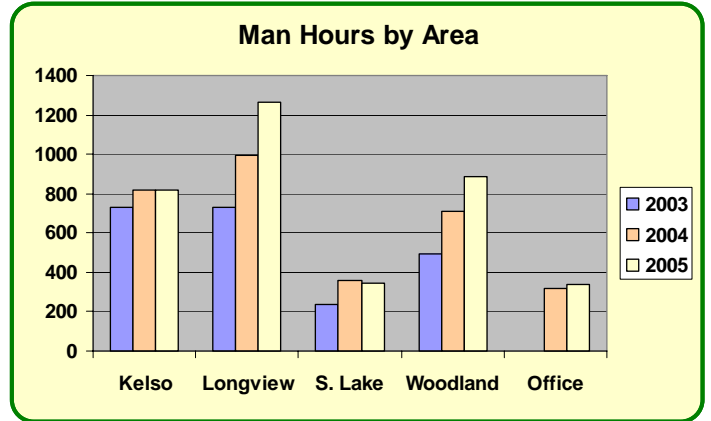


Hot line Calls by Year			
	2003	2004	2005
<b>Castle Rock / Silver Lake</b>	20	12	151
<b>Lexington / Longview</b>	73	35	63
<b>Kelso</b>	40	22	44
<b>Kalama / Woodland</b>	18	14	41
<b>Total:</b>	<b>151</b>	<b>83</b>	<b>299</b>

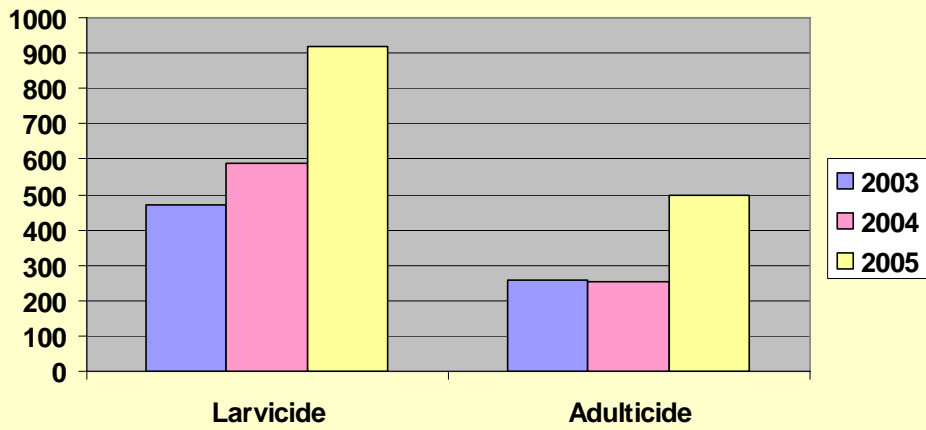


	2003	2004	2005
<b>Kelso</b>	729	818	821
<b>Longview</b>	733	995	1263
<b>S. Lake</b>	239	359	344
<b>Woodland</b>	491	712	886
<b>Office</b>		319	340

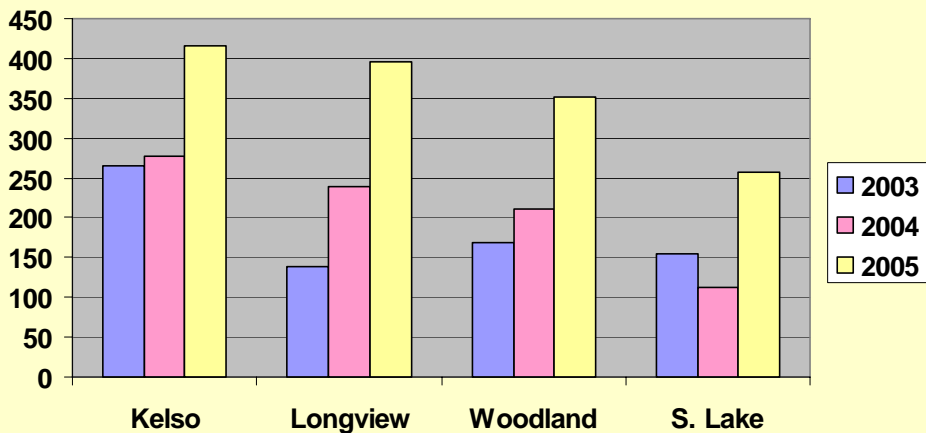
	2003	2004	2005
<b>Field Work</b>	2294	3044	3314
<b>Office</b>		319	340
<b>Total:</b>	<b>2294</b>	<b>3363</b>	<b>3654</b>



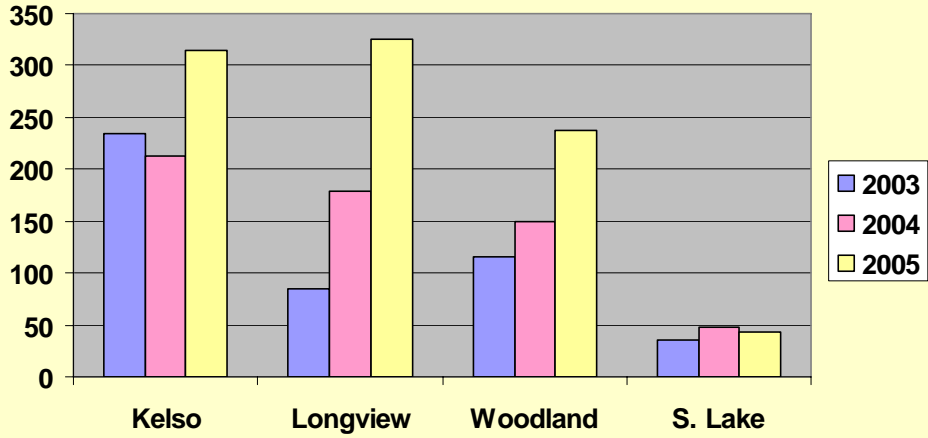
### Treatments in Cowlitz County



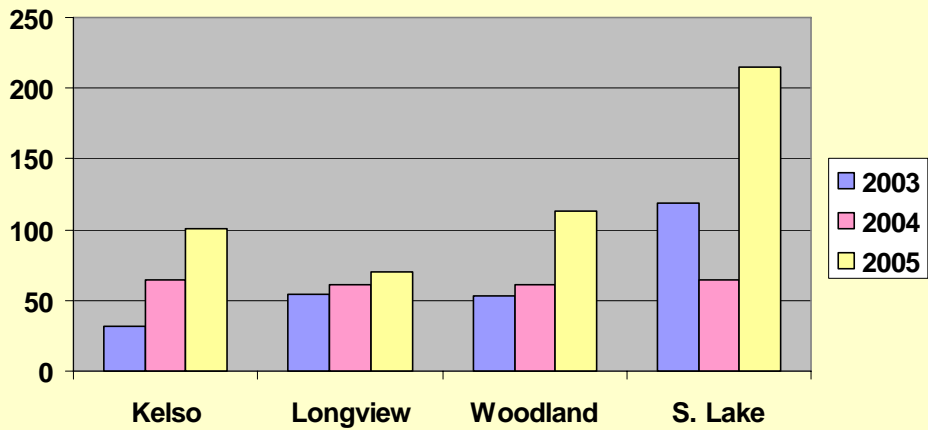
### Number of Treatments by Area

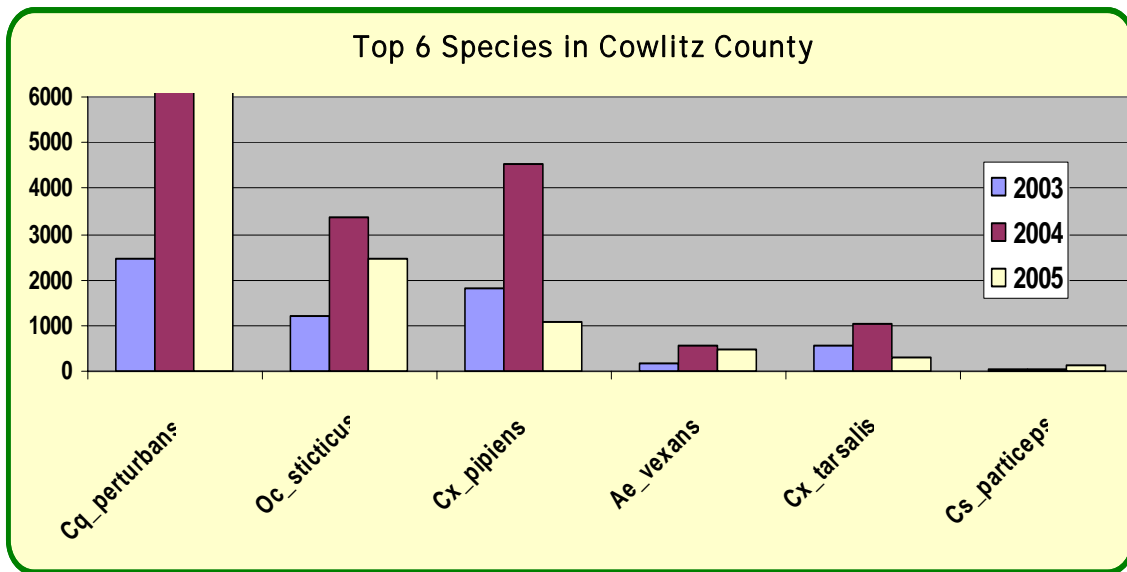


### Larvicide by Area

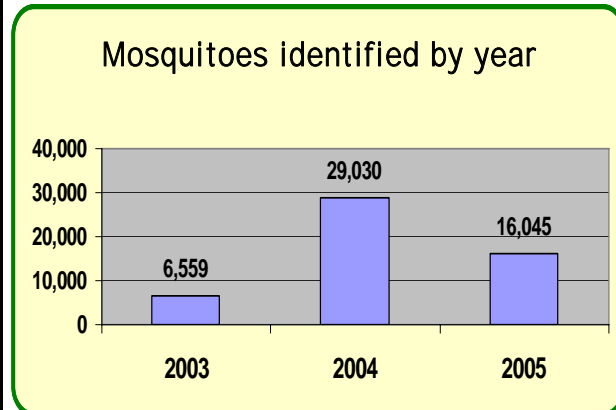


### Adulticide by Area





	2003	2004	2005
Cq perturbans	2457	18853	11453
Oc sticticus	1204	3381	2459
Cx pipiens	1833	4516	1098
Ae vexans	161	580	460
Cx tarsalis	554	1046	319
Cs particeps	40	31	113
Oc iinceptus	21	137	41
An punctipennis	166	270	31
Cs inornata	18	26	29
Cs incidens	9	44	14
Oc sierrensis	23	25	9
Cs impatiens	1	17	6
Ae aboriginis	0	15	3
Ae aloponotum	0	6	3
Cx stigmatasoma	42	29	2
Ae cinereus	1	5	2
Oc communis	8	26	1
An freeborni	20	14	1
Cs minnesotee	1	9	1
<b>Total:</b>	<b>6,559</b>	<b>29,030</b>	<b>16,045</b>



<b># Days:</b>	<b>10</b>	<b>22</b>	<b>17</b>
<b># Traps:</b>	<b>160</b>	<b>369</b>	<b>221</b>
<b># Mos / Trap:</b>	<b>41</b>	<b>79</b>	<b>73</b>

