



## Point Roberts 2010 Clam Survey Results

The Point Roberts clam surveys were conducted on July 9<sup>th</sup>, 2010. Thirteen people assisted with a total of 13 transects, which took place on two very different beaches in Point Roberts. On the northeast side of Point Roberts, extensive, sandy tideflats were surveyed at Maple Beach. On the southwest side of Point Roberts, short, high-energy beaches, composed of cobble, pebbles and sand, were surveyed at Lighthouse Marine Park.



Transects ran from the upper part of the beach where clams were first found to the waterline at low tide (-2.1 ft.). At Maple Beach transects started near the international border and were located a distance of 800 feet apart. Transects 1, 3, and 5 ranged from 1,200 feet to 1,560 feet with 30 to 39 sample holes.

At Lighthouse Marine Park transects were sited every 400 feet and spanned the entire shoreline of the park from the south side to the west side. Transects at Lighthouse

Marine Park ranged from 120 feet to 200 feet with 3 to 5 sample holes.

The tables and chart below provide a description of types and numbers of clams found at each transect.

Table 1. Number of clams by species surveyed on July 9<sup>th</sup>, 2010 on Maple Beach, Point Roberts.

Maple Beach Transects	Varnish	Manila	Native Littleneck	Macoma ssp.	Cockle	Butter	Eastern Softshell	Horse	Total Clams
1	129	60	14	0	0	0	0	0	203
3	263	58	0	6	3	1	0	0	331
5	91	55	1	5	0	0	0	3	155
Totals	483	173	15	11	3	1	0	3	689

Table 2. Number of clams by species surveyed on July 9<sup>th</sup>, 2010 at Lighthouse Marine Park, Point Roberts.

Lighthouse Park Transects	Varnish	Manila	Native Littleneck	Macoma ssp.	Cockle	Butter	Eastern Softshell	Horse	Total Clams
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	4	0	0	4
9	0	0	1	0	0	11	0	0	12
10	0	0	0	0	0	2	0	0	2
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
<b>Totals</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>17</b>	<b>0</b>	<b>0</b>	<b>18</b>

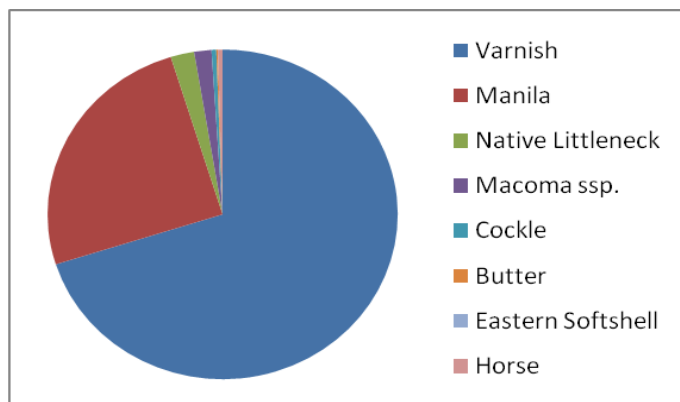


Figure 1. Proportion of different clam species surveyed on July 9<sup>th</sup>, 2010 at Maple Beach, Point Roberts.

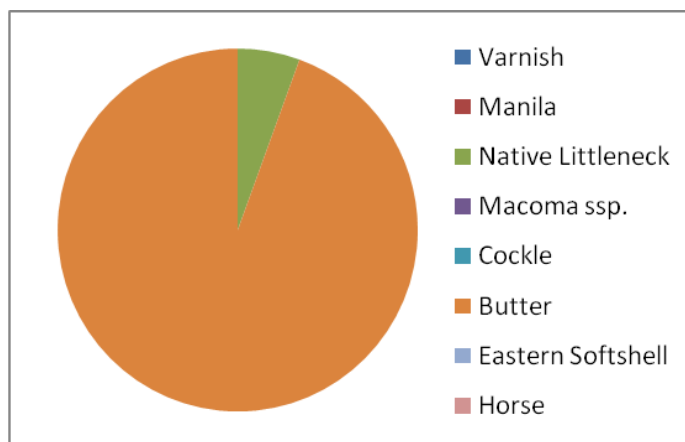


Figure 2. Proportion of different clam species surveyed on July 9<sup>th</sup>, 2010 at Lighthouse Marine Park, Point Roberts.

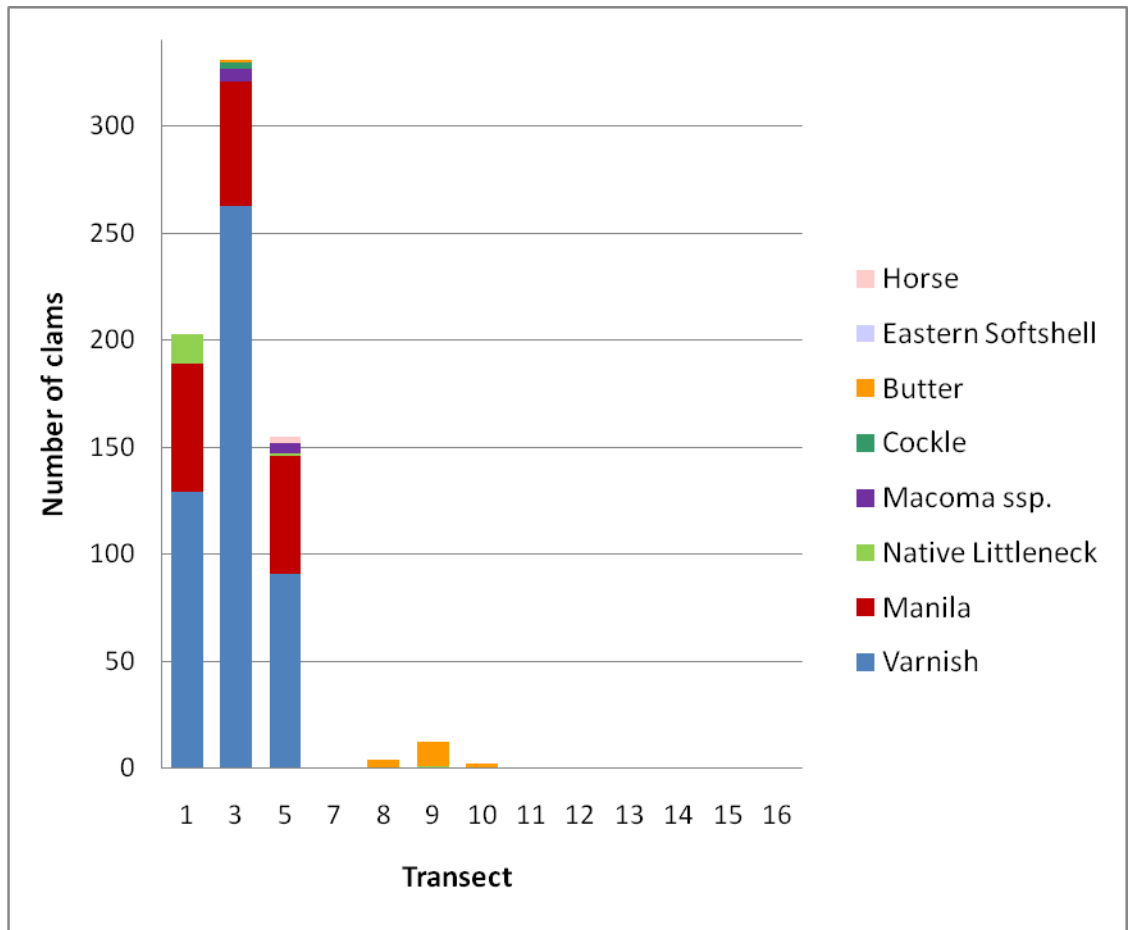


Figure 1. Proportion and number of clams found during surveys in Point Roberts on July 9<sup>th</sup>, 2010. Transects 1, 3, and 5 were at Maple Beach. Transects 7 through 16 were at Lighthouse Marine Park.