



Lummi Island 2010 Clam Survey Results

The Lummi Island clam survey was conducted on August 10, 2010. Twenty-four volunteers assisted with the survey covering sixteen transects. The transects were located on the east side of Lummi Island (Hales Passage) and were sited every 400 ft from south of Lane Spit to north of Sunrise Cove.

Transects ran from the upper part of the beach where clams were first found to the water line at low tide (-1.9 ft). Sample holes were situated every 40 feet along the transects. Transects ranged in length from approximately 90 to 660 ft with 3 to 16 sample holes.

The table and charts below describe the types and numbers of clams that were found at each transect and overall.



Table 1. Number of clams by species as surveyed on August 10th, 2010 on Lummi Island.

Transect	Varnish	Manila	Native Littleneck	Macoma ssp.	Cockle	Butter	Eastern Softshell	Horse	Total Clams
4	0	1	0	0	0	3	0	0	4
5	0	0	7	4	3	0	1	0	15
6	0	4	10	5	1	10	0	0	30
7	0	0	0	14	3	0	0	0	17
8	0	0	0	13	1	1	0	1	16
9	0	0	3	6	1	16	2	4	32
11	2	4	6	48	6	0	3	1	70
12	12	1	1	23	4	1	0	2	44
13	0	0	0	0	0	0	0	0	0
14	5	1	6	3	0	1	5	0	21
15	0	0	0	3	0	0	0	4	7
16	0	0	13	24	3	4	0	1	45
17	0	0	3	40	2	0	1	0	46
18	0	0	0	6	2	0	0	0	8
19	0	0	0	45	1	0	0	0	46
20	3	0	0	5	3	0	2	0	13
Totals	22	11	49	239	30	36	14	13	414

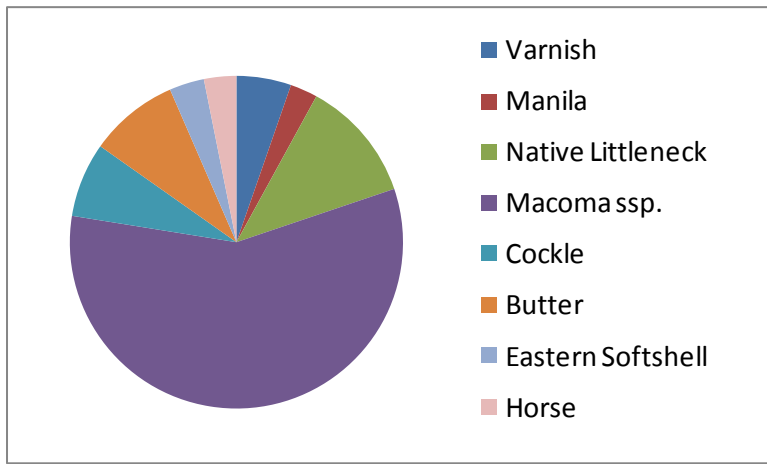


Fig 1. Proportion of different clam species as surveyed on August 10th, 2010 on Lummi Island.

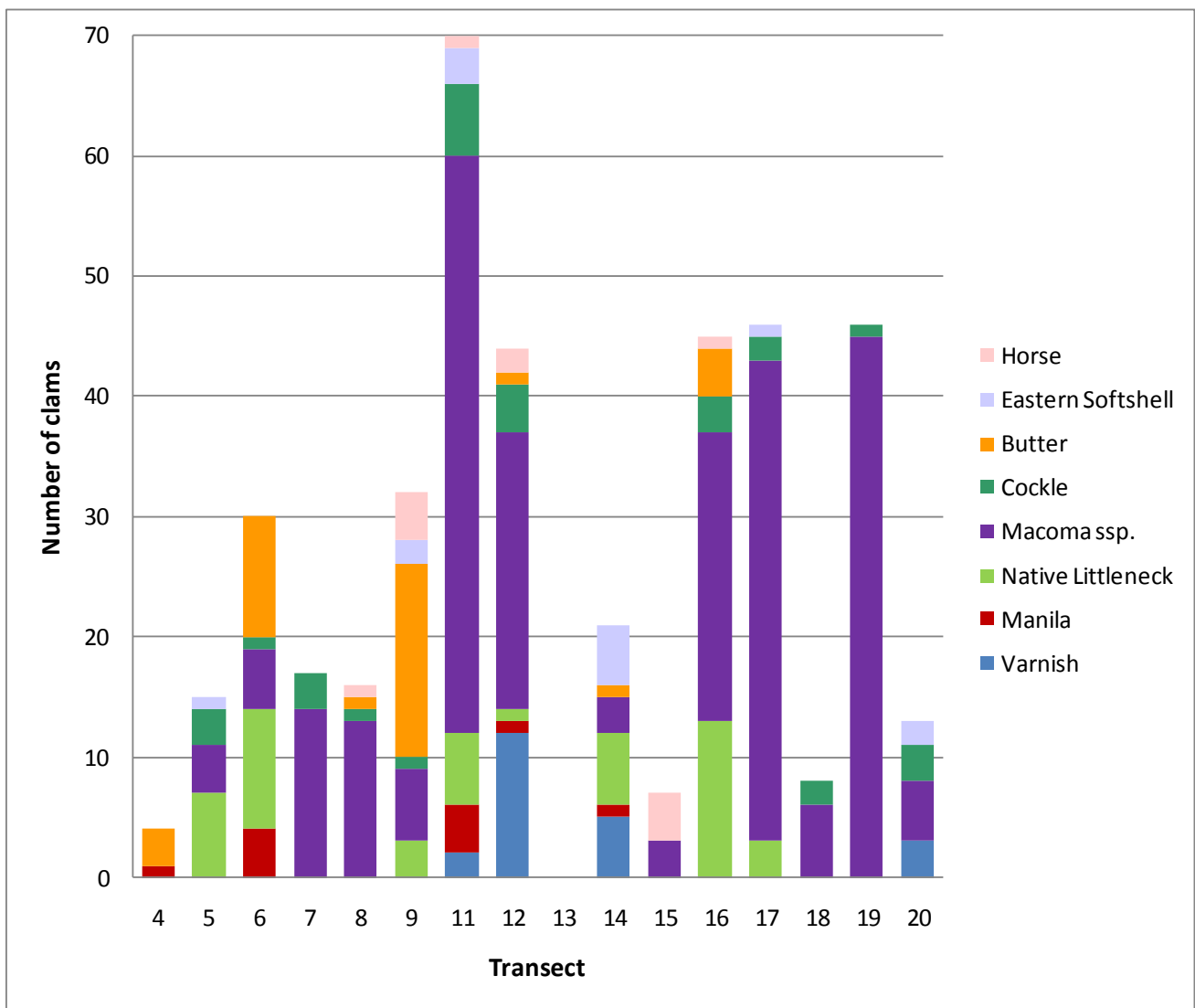


Fig. 2. Abundance of clam species by transect, as surveyed on August 10th, 2010 on Lummi Island.