



Lummi Island 2006 Clam Survey Results

The Lummi Island surveys were conducted on July 10, 2006. Fourteen people assisted with the survey covering nine transects. The transects began on the east side of Lummi Island (Hale Passage) and were sited every 1/8 of a mile 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 (-2.8 ft.). Clams were sampled every 40 feet along the transects. Transects ranged in length from about 160 to 760 feet with 4 to 19 sample holes.

The table and charts below provide a description of the types and numbers of clams found at each transect and overall.



Table 1. Number of clams by species surveyed on July 10th, 2006 on Lummi Island.

| Transect | Horse | Varnish | Manila | Native Littleneck | Macoma ssp. | Cockle | Butter | Eastern Softshell | Total Clams |
|----------|-------|---------|--------|-------------------|-------------|--------|--------|-------------------|-------------|
| 1 | 0 | 1 | 0 | 6 | 0 | 3 | 15 | 0 | 25 |
| 5 | 0 | 1 | 0 | 2 | 6 | 7 | 1 | 0 | 17 |
| 6 | 2 | 0 | 0 | 25 | 22 | 0 | 0 | 0 | 49 |
| 12 | 0 | 0 | 0 | 3 | 30 | 0 | 0 | 0 | 33 |
| 13 | 0 | 0 | 1 | 3 | 12 | 0 | 0 | 0 | 16 |
| 14 | 0 | 3 | 2 | 3 | 8 | 0 | 6 | 3 | 25 |
| 15 | 0 | 0 | 1 | 2 | 22 | 6 | 1 | 0 | 32 |
| 16 | 0 | 3 | 0 | 8 | 61 | 1 | 2 | 1 | 76 |
| 19 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 5 |
| Totals | 3 | 8 | 4 | 52 | 161 | 17 | 28 | 5 | 278 |

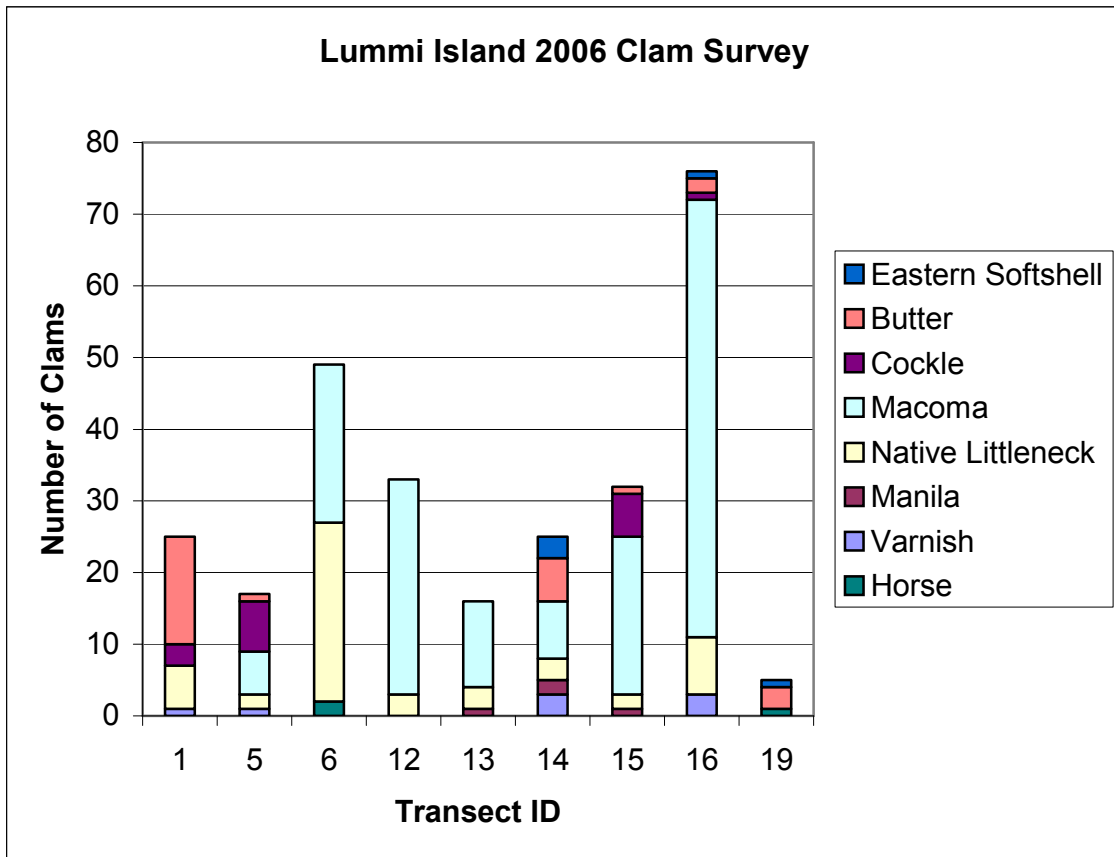


Figure 1. Number and proportion of clams found at each transect surveyed on Lummi Island, July 10th, 2006.

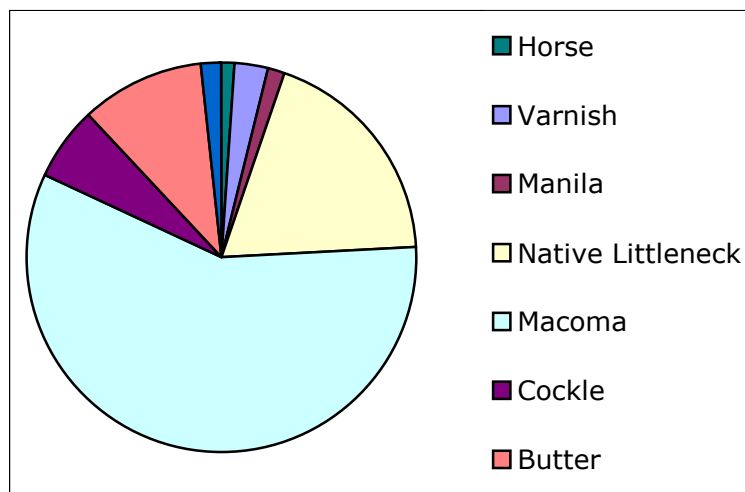


Figure 2. Proportion of different clam species surveyed on July 10th, 2006 on Lummi Island.