

Figure 63. Proportions of shellfish by weight recovered from the multiple areas of the Citeyats village. Note the similar proportions of shellfish between C1-3 and C1-4 and the relative ratio of 1/4" to 1/8" shellfish. Data compilation and image created by Jean Pourcelot.

up to the recent past. This stands in contrast to the modern perception of this area as a sparsely populated and 'remote' portion of the BC coastline.

The fact that the archaeological history of this region is so poorly known is a reflection of the lack of work but it in no way indicates a lack of archaeological 'potential.' It is significant that excavation and radiocarbon dating has NOT been conducted in the territory other than Simonsen's 1968 excavation in Grants Anchorage, 80 km to the south of the study area. In fact, the stretch of coastline between Prince Rupert and Namu, a distance of 300 linear kilometers, may represent one of the largest segments of the BC Coast, if not the western North America coast, which has been subject to such little archaeological investigation.

This lack of knowledge may lead some to a misleading impression that the area has a lack of historical and cultural time-depth. In contrast, the diversity of physical evidence for human history observed during our brief and limited survey demonstrates this is certainly not the case. That said, this project likely represents only a small insight into a much larger and complex human past. Future efforts are greatly needed in order to rediscover and expand our contemporary knowledge of the ancient human history represented in this incredible territory.

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## Appendix 1: Travelogue

*Aug 11, 2009* Arrive in Rupert

Aug 12, 2009

Warm and Calm in AM breezy and cloudy in PM Travel to Curtis Inlet from Prince Rupert leaving at 5 am Arrive at Curtis Inlet in mid afternoon. Launch skiffs and explore Find and record CMT's at N end of Curtis Inlet, locate shell exposure at KL2 Examine terrace at sockeye crk, historic era cabins on west side of creek at KL3 Observe fish drying racks at KL4 Go ashore at KL1 and examine exposures and note house platforms

Aug 13, 2009 Beautiful weather Curtis Inlet Begin to probe, core and map at KL1 in am Mid day lowtide mapping at KL2 Conduct hip chain and compass mapping at KL1 Explore vicinity and Ire inlet by skiff in pm

Aug 14, 2009 Curtis Inlet – Korreyet- Saycuritay Cove Cloudy in am Beautiful weather in pm Finish mapping and recording KL1 in am Depart mid-morning for Kooryet Map at Kooreyet in midday on rising tide Arrive at Fleishman Point/Saycuritay Cove in pm Inspect shoreline CMTs and Simonsen recorded midden sites

Aug 15, 2009 Beautiful weather Look at trap on intertidal lithic beach am Locate *Wil lu sgetk* village behind corner from *Kwil doyks* (Wolf Point) Map and map and map till 6pm Depart for Citeyats in pm after dinner Explore Citeyats village in pm

*Aug 16, 2009* Citeyats, Beautiful weather Explore islands in nearshore in AM, begin to map w totl stn at Citeyats Mapping from STN 1 and 2

*Aug 17, 2009* Citeyats Beautiful weather Mapping from STN 2 and 3 Coring grid begins *Aug 18, 2009* Citeyats beautiful in am Mapping and coring SE gale in pm with sudden waves, requiring a move to Swartz Inlet

*Aug 19, 2009* Citeyats Map and core all day from STN's 4 and 5 Explore Swartz Inlet fishtrap in PM

Aug 20, 2009 (Nicole's B-Day) Citeyats – Lowe Inlet Finish at Citeyats by lunch, head to Lowe Inlet in pm Try to map at Lowe in pm to no avail

*Aug 21st, 2009* Lowe Inlet – Prince Rupert Wake up to find black bears, a grizzly and wolves at fish trap site, cannot go ashore so head for Prince Rupert

## **Appendix 2: Structural Features at Citeyats**

	Easting	Northing	Elevation above
Description	<u></u>		Barnacle Line (m)
house post 1 – 46 cm diameter	5899647.09	466447.73	6.51
house post 2 – 215 cm tall, 51 cm diameter	5899656.25	466459.94	6.21
house post 3 – 18 cm diam, but very deteriorated	5899683.44	466443.56	6.45
post hole – 55 cm diameter	5899668.56	466452.39	6.25
Carved housepost S side	5899625.72	466461.72	5.74
Carved housepost N side	5899625.12	466462.16	5.95
house beam 3 – end, 65 cm diam	5899653.43	466460.69	6.96
house beam 3 – 65 cm diam	5899649.32	466453.46	6.66
house beam 4 – end, 34 cm diam	5899651.00	466459.06	6.59
house beam 4 – end, 34 cm diam	5899645.54	466452.73	6.31
house beam 5 – end, 42 cm diam	5899643.60	466465.17	7.01
house beam 5 – end, 42 cm diam	5899640.50	466457.73	6.32
house beam 7 – end, 42 cm diam	5899635.68	466459.52	6.27
house beam 7 – end, 42 cm diam	5899638.60	466466.01	6.28
house beam 8 – end, 53 cm diam	5899663.53	466457.44	6.75
house beam 8 – end, 53 cm diam	5899657.83	466450.59	6.82
house beam 9 – end, 42 cm diam	5899661.40	466445.99	6.59
house beam 9 – end, 42 cm diam	5899667.71	466450.46	6.68
house beam 1 - end	5899626.70	466465.60	6.51
house beam 1 - midsection	5899627.64	466468.93	6.36
house beam 1- midsection	5899628.74	466472.55	6.47
house beam 1- end	5899629.51	466474.97	6.32
house beam 2- end	5899632.38	466459.18	6.31
house beam 2- end	5899633.98	466463.64	6.39
house beam 2	5899635.96	466469.69	6.34

Table 3. Location and dimensions of structural remains at Citeyats.

## **Appendix 3: Preliminary Diatom Descriptive Analysis**

Samples were prepared for analysis by wetting a very small amount of sediment (less than 1 cubic centimeter) and placing the slurry on a microscope slide. Slides were then examined using a backlit Nikon microscope at 400x magnification. This magnification provided a way to observe small microfossils such as diatoms and foraminifera. Several diatom photographic reference keys were consulted (Fallu et al. 2000; Pientiz et al. 2003). As this was a preliminary examination, no attempt was made to systematically quantify a sample of 100 individual diatoms as per normal peer-reviewed analyses.

The results of the preliminary analyses indicate that a variety of marine and freshwater diatoms were preserved in the sediments examined. Some samples had a curiously homogenous distribution of diatom taxa while others contained hardly any preserved specimens but rather an abundance of fragmented diatoms and sponge spicules indicating high energy deposition.

### Sample: MC 1 (Pt Id 80, 20 cm below the surface, 65 cm below barnacle line)

Very few complete marine diatoms

Approximately 50% *Cyclotella bodanica* which are freshwater diatoms and a mix of others: *Cyclotella* are benthic (not in water column) *Nitzschia* pinnate-shaped marine diatom *Fragilaria* pennate -shaped diatom *Thalassiosira Cocconeis costata* Unusual mix of high and low energy diatoms

## Sample: MC2 (Pt Id 81, 53 cm below barnacle line)

Coarse silt No identifiable pollen ~100-150 *Thalassiosira eccentrica* spherical marine diatoms Fairly homogenous distribution of taxa Interesting that no other species noted suggesting a rather inhospitable marine environment. Might expect a diversity of species if sample was recent/modern. Numerous silica shards of lots of sponge spicules indicating poor preservation conditions

## Sample: MC 3 (Pt ID 83, 30 cm below surface, 29 cm below barnacle line)

Fine clay with a very small proportion of silt Sterile for diatoms and pollen although the sample could be reduced and examined again 1 possible sponge spicule generally sponge spicules preserve better than diatoms as they are made of slightly more silica

## Sample: 3 (Pt ID 83, 15 cm below surface, 14 cm below barnacle line)

Sandy sediment with numerous tiny shell fragments Fair number of sponge spicules Fern pollen Broken shell fragments - mussel shell? Reminiscent of a sample from Lax K'walaams which contained late pliestocene aged sediments.

### Sample MC3 (Pt ID 83, 5 cm below surface, 4 cm below barnacle line)

Sediment within paired shell. Sample taken from deep within the paired valves of a deceased butter clam (near inner hinge) Lots of sponge spicules and possible mussel shell (*mytilus*) fibers Fern and herb pollen No conifer pollen or diatoms

# Appendix 2

*Gitxaała Nation Environmental Monitoring Archaeological Survey Lithic report, 2010.* 

## Gitxaala Nation Environmental Monitoring Archaeological Survey Lithic Report

### **Project Director: Dr. Charles R. Menzies**



Lithic Analyst completed by student researcher Kenzie Jessome on behalf of the

Gitxaala Environmental Monitoring Survey (GEMS) Research Team

and The University of British Columbia's Anthropology Department

6303 NW Marine Drive, Vancouver, BC

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