

**Sitka Marine Industries Survey
October 2007**

Sampling Methodology

The list of boat owners in the City's property tax roll for 2006 was used in this survey. Data were obtained from the City Assessing Department.

Raw data was processed and cleaned out for duplicating entries. Regardless of the number of boats a boat owner has, only one name would appear in the population for the survey. Boat owners who share the same address were treated as separate entries. From the list of 1,955 boats in the tax roll, 1,451 boat owners were identified.

Computing for the sampling size:

		3% margin of error			5% margin of error		
		Confidence Level			Confidence Level		
No. of Boat Owners		90%	95%	99%	90%	95%	99%
How many respondents do we need?							
	1,451	497	615	812	229	304	455
How many people do we need to send the survey to? Assuming 50% response rate:							
	1,451	994	1,230	1,624	458	608	910

A simple random sampling was done using Excel for the 1,451 names in the list. A random number was generated for each entry in the list. Then, the list was sorted by random number in ascending order. Targeting the sample size for a 5% margin of error at 95% confidence level, the first 608 entries were obtained and used as the random sample.

Survey Results

Out of the 608 survey forms mailed out, 5 were returned. Addressees have moved and left no forwarding address. Staff received 198 completed surveys, which comes close to the sample size needed to achieve a 5% margin of error at 90% confidence level. All responses were tallied in an Excel spreadsheet. The results are summarized as follows:

A. Vessel Information

1. Length of Vessel

1-14 feet	0	0.0%
15 - 19 feet	21	10.6%
20 - 29 feet	71	35.9%
30 - 49 feet	78	39.4%
50+ feet	26	13.1%

2. Use of Vessel

Commercial Fishing	78	39.4%
Charter Fishing	16	8.1%
Recreational	116	58.6%
Non-fishing Charter	2	1.0%
Water taxi	1	0.5%
Hunting	1	0.5%

Subsistence	2	1.0%
Rentals	1	0.5%
Commuting	1	0.5%
Tow-boat	1	0.5%

B. Use of Haul Out

1. Have you ever hauled out or do you plan to haul in Sitka?

YES	168	84.8%
NO	30	15.2%

2. Have you ever hauled out or do you plan to haul out at any facility in Sitka?

YES	55	27.8%
NO	136	68.7%
MAYBE (added)	2	1.0%

C. Sitka Haul Out

1. Are the facilities at the existing Sitka boat haul out adequate to service your vessel?

YES	121	61.1%
NO	61	30.8%
DON'T KNOW (added)	2	1.0%

2. What facilities/features in the Sitka haul-out do you think should be improved or added to service your vessel?

NEEDS TO BE IMPROVED		
Self-service wash down water	55	27.8%
Boat storage	55	27.8%
Vehicle parking	50	25.3%
Tidal grid	47	23.7%
Self-service electric power	47	23.7%
Trailer parking	39	19.7%
Gear storage	36	18.2%
Scaffolding	35	17.7%
Crane hoist	28	14.1%
Portable rain shelters	28	14.1%
Size of travel lift	27	13.6%
Rentable stalls for marine services	27	13.6%
24-hour site access	23	11.6%
NEEDS TO BE ADDED		
Portable rain shelters	72	36.4%
Rentable stalls for marine services	60	30.3%
Boat storage	46	23.2%
Scaffolding	44	22.2%
Trailer parking	41	20.7%
Self-service wash down water	39	19.7%

Gear storage	38	19.2%
Vehicle parking	32	16.2%
Crane hoist	27	13.6%
Self-service electric power	25	12.6%
24-hour site access	23	11.6%
Tidal grid	16	8.1%
Size of travel lift	12	6.1%
ADEQUATELY PROVIDED		
Size of travel lift	93	47.0%
24-hour site access	85	42.9%
Self-service electric power	71	35.9%
Tidal grid	68	34.3%
Self-service wash down water	66	33.3%
Crane hoist	61	30.8%
Vehicle parking	58	29.3%
Trailer parking	51	25.8%
Boat storage	46	23.2%
Gear storage	41	20.7%
Scaffolding	37	18.7%
Rentable stalls for marine services	24	12.1%
Portable rain shelters	19	9.6%
OTHERS LISTED		
Pressure washer		
Sand blast covered area		
Paint building		
Locks on utilities/power to avoid vandalism		
Liveboards allowed in Crescent Harbor		
Reasonable rates for boat mechanics		
Two lanes at Sealing Cove Harbor		
Small boat maintenance facility with another boat ramp & maintenance area.		
More work floats		
More attention to commercial boats		
Designated seafood selling slips in Crescent Harbor, Thomsen, ANB		
Dead boat breaking yard to salvage out dead boats		
Covered boat storage		
Equipment rentals		
Place to work out of the rain for fiberglass, wood repair, fabrication		
Heated indoor place to work on boats including bottom paint		
Clean up		
Paved area wash down		
Drive down work float		
Environmental washdown		
Clean restrooms		
Cost Reliability (drop boats, not user friendly, etc.)		
Cement workpads		

Environmental precautions - dumpsters, chemical disposal, drains
Indoor repair facility (boat barns)
Rent shop space
Rent tools
Stacking unit for skiffs
Public communication Ph ect(?)
Stalls for residents
Winter dry storage at cheaper rate than moorage
Adequate lighting for evening
150+ ton travel lift
Another haul out facility

D. Haul Out Facility Outside Sitka

1. What facilities outside of Sitka have you used in the past or plan to use in the future?

Washington	63	31.8%
Juneau	21	10.6%
Wrangell	18	9.1%
Ketchikan	14	7.1%
Petersburg	13	6.6%
British Columbia	6	3.0%
Others		
Oregon	2	1.0%
Hoonah	2	1.0%
Seward	2	1.0%
Port Alexander	1	0.5%
Allen Marine	1	0.5%
Craig	1	0.5%
Haines	1	0.5%
Tenakee Springs	1	0.5%
Pelican (Tidal Grid)	1	0.5%
San Diego, CA	1	0.5%
Sand Point	1	0.5%

2. Why do you prefer to go outside of Sitka to haul out your boat?

More or better services offered.	48	24.2%
Better repair and maintenance services.	43	21.7%
Lower rates/fees.	40	20.2%
Repair and maintenance expertise available.	39	19.7%
Lower cost repair and maintenance services.	39	19.7%
Lower cost marine parts and supplies.	37	18.7%
Marine parts and supplies available.	34	17.2%
Portable/permanent shelters available.	19	9.6%
Boat storage space available.	18	9.1%
More working space.	17	8.6%
24-hour site access.	12	6.1%

Closer to where I live.	2	1.0%
Others		
Get away from Sitka's gouge factor		
Occasional when planned		
They have the size crane to do it.		
Juneau Derby yearly		
Cheaper to haul out & storage		
Better weather		
Weather is drier so paint dries better.		
Sitka's equipment is not large enough for vessels I've worked on.		
Hauled out/tidal grid used due to		
breakdown near Petersburg.		
Driving access		
2nd hand stores & surplus access, rebuilt & used equipment		
No sailboat rigging available here.		
Sandblast-friendly		
Specialized bottom painting		
Bigger haul out lifts		
Dry work area, safe electricity		
Less crowded		
Wrangell, AK has a grid large enough for an 85' boat/Petersburg has a rail		

E. Ancillary Marine Services

NOT AVAILABLE		
Small dry boat storage	32	16.2%
Vessel painting	25	12.6%
Sail/canvas repair	14	7.1%
Propeller restoration	7	3.5%
Wood working/shipwright	6	3.0%
General and marine machining	6	3.0%
Fiberglass repair	3	1.5%
Marine engine/hydraulics repair	3	1.5%
Marine refrigeration	2	1.0%
Marine surveys/damage assessment	2	1.0%
Steel/aluminum repair	1	0.5%
Commercial diver services	1	0.5%
Marine electronics	0	0.0%
AVAILABLE BUT NOT SUFFICIENT		
Marine engine/hydraulics repair	117	59.1%
Fiberglass repair	102	51.5%
General and marine machining	85	42.9%
Wood working/shipwright	77	38.9%
Marine refrigeration	77	38.9%
Vessel painting	75	37.9%
Small dry boat storage	66	33.3%
Marine electronics	65	32.8%
Marine surveys/damage assessment	56	28.3%
Sail/canvas repair	49	24.7%
Propeller restoration	48	24.2%
Steel/aluminum repair	47	23.7%
Commercial diver services	40	20.2%
AVAILABLE AND SUFFICIENT		
Steel/aluminum repair	108	54.5%
Propeller restoration	94	47.5%
Commercial diver services	82	41.4%
Marine electronics	82	41.4%
Marine surveys/damage assessment	76	38.4%
Fiberglass repair	55	27.8%
Sail/canvas repair	55	27.8%
Wood working/shipwright	47	23.7%
General and marine machining	43	21.7%
Marine refrigeration	41	20.7%
Vessel painting	36	18.2%
Marine engine/hydraulics repair	35	17.7%
Small dry boat storage	26	13.1%
DON'T KNOW/UNKNOWN		
Marine refrigeration	7	3.5%
Sail/canvas repair	6	3.0%

Commercial diver services	5	2.5%
Small dry boat storage	5	2.5%
Fiberglass repair	4	2.0%
Vessel painting	4	2.0%
Marine surveys/damage assessment	4	2.0%
Steel/aluminum repair	3	1.5%
Marine engine/hydraulics repair	3	1.5%
Wood working/shipwright	3	1.5%
General and marine machining	3	1.5%
Marine electronics	3	1.5%
Propeller restoration	1	0.5%
OTHERS LISTED		
Used oil/fuel pump out in harbors		
Skilled labor		
Weather for work		
Low cost, long-term haul out/repair yard		
More boat stalls		
Marine repair but too high \$		
Parking reasonably close and patrolled		
Couldn't find anyone to replace a shaft bearing in a fiberglass boat in town		
Large boat dry storage		
Seasonal (winter) layup area		
Cost-effective for "other" than charter non-resident fleets		
Boat shelters (rental)		
Public transportation options from yard to town		
Rigging/wire rope specialist		
Boat wood		
Sailboat rigging		
Boat trailer storage		
Long term parking		
Marine wiring services		
Engine mechanic/service		
Sandblasting		
Hydraulics repair (vv. Marine engine)		
Larger boat dry storage		
Paints, machine parts		
Sandblasting vessels below water level		