



# MARINE SURVEYORS of SOUTHEAST ALASKA

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National Association of Marine Surveyors - Associate  
American Boat & Yacht Council - Certified in Standards



Vessel	Fiberglass trunk cabin well deck sternpicker		
Type	Oil Screw		
Official No.	556912	Rig	Oil Screw
Intended Use	Commercial Fishing	Length on Deck	41'
Beam	11.7'	Documented Length	40.7'
Depth	5.9'	Gross Tonnage	18
		Net Tons	15
Reported Draft	4'	Hull ID Number	None inscribed
Builder(s)	M & M Boats (Mel Martin)		
Place built	Bellingham, Washington	Year	1974
Rebuilders	Previous owner	Year	1988
Rebuilt	Transom extension and replacement of well deck		
Area Navigated	Underwriter's discretion		
Stability Cert.	Not required for vessels of less than 79' documented length		
U.S.C.G. Cert.	Not required		

## HULL STRUCTURE

Material-Color	Hand laid-up fiberglass (FRP) with light grey gel coat
Frames	(4) 2" X 3" FRP over foam hat construction bilge stringers
Beams	2" X 4" wood on 24" centers
Decks	FRP over plywood
Fastenings	Stainless steel above the waterline
Guards	2" X 2" FRP Bulkheads 5, three of which are watertight
Railings	A 14" aluminum bulwark has been set atop the cap rail around the work deck. Cabin top hand rails above the side decks
Fish Holds	There are six holds, of which the three forward ones are customarily used. Tanked. Packs a reported 7,700 lbs. salmon

## DECK OUTFITTING

Anchor & Rode	Reported 100 lb. Forfjord-style anchor with 5 fathoms of 1/2" chain & 10 fathoms of 5/8" Samson braid line
Anchor Winch	North Sound Marine aluminum drum hydraulically driven
Mast	21/2' X 2 1/2' free-standing stepped to the cabin top
Boom	None
Trolling Poles	None
Davit	7' X 3 1/2" curved aluminum stepped to starboard side deck
Winches	12" HydroSlave pot puller mounted on the davit. 4' X 4' Kem Equipment gill net reel with hydraulic fair leads
Stern Roller	Hydraulically driven aluminum lead slinger
Deck Lights	Four 12 VDC sealed beam
Flood Lights	Ray-Line remote operation searchlight mounted on the mast
Hatches	Freeman lazarette hatch. One aluminum fish hold hatch. The other 5 fish hold hatches are fiberglass
Well Deck Area	4' from roller to fairleads. 7' side to side. (2) 4" freeing ports

Survey Number	28532	
Date of Survey	May 28, 2008	
Owner		
Requested By:		
Purpose		
Address		
Phone(s)		
Email		
Location	Afloat in her slip in Wrangell, Alaska	
Drydock Date	Reported as June of 2008	
Zincs Renewed	***	
Attending :	Owner, Surveyor (RM)	
Cruise Speed	Reported 7	Knots
Fuel Burned	Reported 3	GPH
Cruise Range	1000	N. Miles

## CABINS

Material-Color	FRP over plywood with white gel coat and grey trim
Description	Trunk cabin design. From deck down 1 step to pilothouse. The helm is to port; a shelf is to starboard. Access to the engine compartment is through hatches in the pilothouse floorboards. A centerline opening leads down 2 steps to the main cabin. A berth is to port, the head & galley are to starboard. A centerline opening leads forward to the foc'sle.
Enclosed Head	Equipped with a shower and a Raritan toilet flushed overboard
Interior Finish	Painted foam over plywood on the overhead. The pilothouse has a teak dash board & faux wood formica bulkheads. A rubber mat covers the floorboards. The side windows open for ventilation. The side windows in the main cabin are curtained. The bulkheads are painted FRP. The cabinetry is oiled teak with teak trim around the doorways. Formica is used on the galley counter. The overhead & hull sides of the foc'sle is carpeted. All floorboards are also carpeted.
How Heated	Galley stove while underway
Sink	Single stainless steel in the galley
Stove	Dickinson "Pacific" oil stove & range
Appliances	None
Refrigerator	Norcold AC/BC
Furniture	The helmsman has a solid mount cushioned seat. The table in the main cabin has been permanently converted to a berth. There are two berths in the foc'sle. There is berthing for three persons on board.
Flying Bridge	None

## SAFETY & NAVIGATION EQUIPMENT

Boats	None on board		
Survival Craft	Jim Buoy four man buoyant apparatus with strobe light		
Next repack date	***	Ringbuoys	30" with throw line
PFID's	None seen or required		
Survival Suits	Two seen		
EPIRB	No		
Escape Hatch	No		
First Aid Kit	None seen		
Running Lights	All navigation and fishing lights were found to be operable		
Horn/Bell	Hand held horn. Bell is not required		
Flares	Pistol	Expiration Date	March of 2008

## STEERING

Type	Wagner electro/hydraulic power steering with single ram		
Controls	Hynautic hydraulic/mechanical		
Auto Pilot	ComNav 1001 with rudder angle indicator at the haul station		
Stations	Port side cabin and port quarter well deck. The haul station on the starboard side, amidships, has push button steering		

## MAIN ENGINE(S)

No.	1	Make	Volvo-Penta	H.P.	Reported 280
Model			61A	Cylinders	6
Start	12 volt	R.P.M.	Reported 1500	Fuel	Diesel
Aspirated	Turbocharged			Exhaust	Dry
Reduction Gear	Twin Disc MG-506			Ratio	2 to 1
Cooled	Keel cooled			Age)	1974
Hourmeter	7167. (Hourmeter reportedly re-set after overhaul in 1999)				
Alarms	Gauge panel at helm station				
Attached Units	Vickers 6 GPM hydraulic pump belt-driven off the crankshaft pulleys for the HydroSlave pot puller. Vickers 13 GPM hydraulic pump belt-driven off the crankshaft pulleys for the other deck machinery. Alternator. Racor 900FH fuel filter				
Serial No.	Not visible				

## AUXILIARY ENGINE NO. 1

Make	Honda	Model	Powerwise 3500		
Cooled	Air cooled	Exhaust	Dry	Start	Manual
Fuel	Gasoline	Age	Unknown	Rebuilt	Unknown
Hourmeter	None	Alarms	None		
Location	Stored on top of the cabin. Gas is stored outside the cabin				
Serial No.	Not visible				
Generator	Honda	KW's	3.5		
Volts	120 VAC				

## AUXILIARY ENGINE NO. 2

Make	None	Model		Start	
Cooled		Exhaust			
Age		Rebuilt			
Hourmeter		Alarms			
Attached Unit					
Serial No.					
Generator		KW's			
Volts					

## ELECTRONICS

Compass	5" Wagner flat bowl		
Radios	Uniden MC-635 VHF radio		
Plotters	None		
Radars	Furuno model 1715		
Depthfinders	Furuno model FCV-620 color video sounder		
Entertainment	Emerson AM/FM/CD player		
	Realistic AM/FM/cassette player		
	Phillips 20" flat screen monitor with Magnavox DVD player		
Instruments	Ship's clock & barometer		

## TANKAGE

Fuel Tanks	Four	Capacity	Reported 580	Gallons
Locations	Saddle tanks. Athwartships tanks fore& aft the rudderstock			
Vented	To deck	Valves	Ball valves at tank bottoms	
Fuel Lines	Copper tubing			
F. Water tanks	80	Gallons	Tank Material	Aluminum
Location	Beneath the cabin sole			
H. Water Tank	None	Location	***	
Holding Tank	None			
Other Tanks	15 gallon stainless steel hydraulic oil tank			
Stove Fuel	No. 2 diesel			
Location	A 10 gallon tank on the back of the cabin is filled by the engine fuel return lines			

## PUMPS

Model	Rule	Type	Submersible	Drive	12 VDC
Size	500 GPH	Use	Lazzaretto bilge pump		
Model	Rule	Type	Submersible	Drive	12 VDC
Size	Not seen	Use	Shaft alley bilge pump		
Model	Rule	Type	Submersible	Drive	12 VDC
Size	3500 GPH	Use	Engine room bilge pump		
Model	Flojet	Type	Diaphragm	Drive	12 VDC
Size	3/4" ports	Use	Salt water deck wash pump		
Model	Rule	Type	Submersible	Drive	12 VDC
Size	1500 GPH	Use	Portable multi-purpose pump		
Model	Pacer	Type	Centrifugal	Drive	Hydraulic
Size	2" ports	Use	Deckwash/fire/circulation pump		
Model	Not seen	Type	Diaphragm	Drive	12 VDC
Size	Unknown	Use	Pressurized fresh water system		

## BILGE ALARMS

Rule high water alarm is not believed to be operable

## REFRIGERATION

Ice

### HULL CONNECTIONS

Hull Fittings Bronze. Not bonded  
 Valves Three ball valves. All found were operable

### SHAFTS & BEARINGS

Stuffing Box Not seen  
 Intermed. Shaft None  
 Tailshaft 2" stainless steel  
 Stern Bearing(s) Cutless Rudder Not seen  
 Prop(s) Not seen

### ELECTRICAL

Wire Type Insulated stranded copper, suitable for marine use  
 Volts 12 VDC & 120 VAC shore power inlet  
 Switchboard AC & DC panels at helm station  
 Fixtures Enclosed 12 volt  
 Blowers Passive Ventilation  
 Additional: Schauer automotive battery charger  
140 watt inverter

### BATTERIES

Volts 12 No. Two 8-Ds Use All DC loads  
 Volts \_\_\_\_\_ No. \_\_\_\_\_ Use \_\_\_\_\_  
 Volts \_\_\_\_\_ No. \_\_\_\_\_ Use \_\_\_\_\_  
 Vapor Switch Rotary Trays Yes Protected Yes

### FIRE EXTINGUISHERS & EQUIPMENT

Location Pilothouse Charged? Yes Size/Type 2.5 lb Dry Chem  
 Location Pilothouse Charged? Yes Size/Type 2.5 lb Dry Chem  
 Location Galley Charged? Yes Size/Type 2.5 lb Dry Chem  
 Location \_\_\_\_\_ Charged? \_\_\_\_\_ Size/Type \_\_\_\_\_  
 Location \_\_\_\_\_ Charged? \_\_\_\_\_ Size/Type \_\_\_\_\_  
 Location \_\_\_\_\_ Charged? \_\_\_\_\_ Size/Type \_\_\_\_\_  
 Fixed System None  
 Release Loc. \*\*\*  
 Inspected May of 1994  
 Fire Sensors None seen

### ADDITIONAL EQUIPMENT

Placards \_\_\_\_\_  
 Garbage: Posted in the pilothouse  
 Oil : Posted in the pilothouse  
 Injury: Posted in the pilothouse  
 Emergency: Posted in the pilothouse

Aluminum 3' X 3' hydraulically driven herring net drum & hydraulically driven net shaker (Not on board on the day of the survey)

**SEE ATTACHED NARRATIVE**

Official No.

Survey No. 28532

Estimated present value of vessel and equipment.....

Estimated value of new vessel and equipment.....

Market values are calculated using the following resources: Review of the surveyor's personal database for comparable vessels. Review of current trade publications and websites for comparable vessels. Review of a subscription-only website to determine actual selling prices of vessels.

The present value reflects the current condition the vessel is in and all systems in turnkey condition. Replacement values are determined, where possible, by consultation with the builder of the vessel, or similar vessels

### **COMMENTS**

The vessel was inspected May 28, 2008 while afloat in her slip in Wrangell, Alaska to determine her general condition, to cite any hazards, deficiencies or deteriorations, and to determine her present value.

The is a 1974 Mel Martin sternpicker. She has a trunk cabin and a well deck for gill net operations. She packs a reported 7,700 lbs. of salmon in brailer bags. There are accommodations for three persons on board. A Volvo-Penta model 61A diesel engine provides propulsion. Mr. xxxx purchased his vessel in 1994. He stated he has been gill netting in Southeast Alaska for 37 years.

The following changes and improvements since launch were reported:

- 1988-Under the direction of Jim Lindell, the hull received a 3 1/2' transom extension. An aluminum fuel tank was installed aft the rudderstock. The well deck was taken up, and a new fiberglass/plywood deck was laid down.
- 1999- The engine was overhauled. Aluminum bulwarks were set on top of the existing cap rails around the aft deck.
- 2006 – A new oil stove was installed
- 2007 – A new electronics package was supplied

The exterior from the water line up is in good, sound condition. The vessel's hull, decks and superstructure showed only minor cosmetic blemishes from normal wear and tear. No areas of stress cracking or major areas of disrepair of the fiberglass were noted.

The vessel's cabin interiors, engine room, fish holds and lazarette were clean and well maintained. Access to the tail shaft stuffing box was under a slurry ice mixture and this area of the vessel was not inspected.

The owner stated the mechanical and electrical systems and the electronics are in good operating condition. All mechanical, hydraulic, electrical systems and equipment were inspected and all appeared to be functional. The engine, exhaust system and transmission were inspected and no defects affecting operation were seen. No major fuel, oil or water leaks were noticeable, although there was a small amount of oil in the bilge. The engine was not started during my inspection.

All maintenance and upgrading work that I was able to inspect had been professionally done and has helped maintain the life and value of this vessel.

It is the captain's responsibility that all required placards be posted: safety equipment and vessel regulations required by the Coast Guard must be maintained on board the vessel at all times, when in operation.