



“Just the Facts”

Palmyra Atoll and Kingman Reef Restoration/Shipwreck Removal

	F/V Hui Feng No. 1	“Rust Island”	Unknown Kingman wreck
Refuge wrecked at:	Palmyra Atoll Refuge	Palmyra Atoll Refuge	Kingman Reef Refuge
When did it wreck?	1991	Between 1953 and 1957	Probably 2007
What was it?	Taiwanese longline fishing vessel	Defense Department pontoon transport barge	Suspected Indonesian teak fishing vessel
Length	121 ft.	64 ft.	Estimated 85 ft.
Width (estimated)	22 ft.	28 ft.	unknown
Pounds recovered	618,350	277,800	44,000
Fuel /petroleum products recovered	605 gal petroleum products recovered in 2,775 gal fuel/water mix	n/a	n/a
Challenges with recovery	Surrounded by shallow coral mounds. Unconventional ship construction	Decrepit, crumbling structure	Onsite hazards and weather/ocean state uncertainty
Ecological problems associated with it?	Invasive corallimorph	Wildlife hazard	Invasive algae

Fun with numbers:

~910,000 pounds of shipwreck is roughly equivalent to:

67 large elephants, or 31 city buses, or 2 1/3 blue whales

Hui Feng Commercial Divers’ Statistics

- 35 days spent cutting up/dismantling the bow Section (first location of Jack-Up barge)
- 17 days spent cutting up/dismantling the stern Section (second Jack-Up barge location)
- 5 days spent removing scrap debris at Hui Feng
- 238 dives done on the Hui Feng
- 879.71 hours total dive time on Hui Feng
- 3.69 hour average dive time per diver per dive
- 9,570 rods of “Broco” used to cut up Hui Feng
- 6,380 linear feet of iron burned (calculated at 8” per rod)
- 605 gallons of fuel products safely recovered within 2,275 gallons of oil/water combined

Job Entailed Mobilizing a team of:

- (5) commercial divers
- (3) marine biologists
- (7) ships crew: Captain, Engineers, Mate, cook, crane operator, deck hands
- (1) 65 foot ocean-going tug boat
- (2) 185 foot barges (crane and living barge, and wreck pile and supplies barge)
- (1) 150 foot, 160-ton crane
- (2) 30-ton cranes
- (2) 24-foot long, 10 foot wide, shallow water flat deck transport vessels (“scows”)
- (2) Support boats
- (3) Gulfstream II (airplane) chartered round trips from Honolulu to Palmyra