

EQUIPMENT INVENTORY

MARINE CONSERVATION BRANCH

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**Updated
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Department of Conservation and Land Management
Marine Conservation Branch
47 Henry Street, Fremantle 6160

PREFACE

This inventory provides a detailed list of equipment of the Marine Conservation Branch of the Department of Conservation and Land Management. All equipment is currently housed at the Field Station at Emplacement Ave, Hamilton Hill unless stated otherwise.

- No equipment is to be borrowed, loaned or used by any Department, Branch or Agency without the written permission of the Manager, Marine Conservation Branch following a written request from the other party and the loan register book filled in.
- Breakages and losses are to be reported to the Manager, Marine Conservation Branch as soon as possible.
- Dedicated gear (particularly safety equipment on boats) is not to be considered as part of the general pool of equipment.

This inventory should not be photocopied. For security reasons copies will be distributed only to officers of the Marine Conservation Branch, Department of Conservation and Land Management.

FREMANTLE FIELD STATION

**LOCATION; UNIT 2, 15 EMPLACEMENT AVE, HAMILTON HILL. 6163
TELEPHONE; (08) 9336 2685**

BOATS

“BIDTHANGARA”

A Precision Marine 10 metre aluminium displacement hull, flying bridge, CAT 3208 twin turbo diesel, removable stern and diving platform, A frame, winch (500 kg SWL).

The vessel is surveyed to 100 nautical miles offshore and can take 8 special personnel and a crew of 2 (total 10 persons).

Navigational equipment includes;

- * 48 mile radar
- *colour and black/white sounders
- *Pilot radiophone
- *SSB radio
- *CALM radio
- *JRC6000 GPS and colour plotter

Other equipment includes;

- *Port and starboard winches and gantries
- *Comprehensive first aid kit
- *12v and 24v power outlets
- *240v inverter
- *All safety equipment including 10 man life raft
- *10 'solas' type lifejackets

**THE BIDTHANGARA AND ANCILLARY EQUIPMENT IS CURRENTLY BASED IN
DAMPIER FOR JOINT USE OF PILBARA REGION AND MCB. UNTIL NOV 2000.**

“EX63”

5 metre Westerburg aluminium runabout, forward controls, 40 HP Evinrude outboard, on single axle trailer reg 8QU 075 .

Equipment includes;

- *2 x 25L plastic fuel tanks with hose
- *Pilotphone IX VHF radio
- *CALM VHF Radio
- *Port and starboard gantry supports (can use 'Bidthangara' gantry and winches)
- *Auxillary outboard bracket
- *Dive ladder

OTHER BOATS

- *3.5m Zodiac inflatable, all safety gear.
- *3.5m Aluminium dinghy with 9.9hp Evinrude outboard [s/n A381705], oars and rowlocks.
- *Yamaha 25hp outboard model # 25VMH. Serial # 009281
- *Yamaha 25hp outboard model # 25VMH. Serial # 008442

SUNDRY BOATING EQUIPMENT

ITEM	TYPE	QUANTITY	LOCATION
Spare transducer	Echo sounder	1	Field Station
Pairs oars	wooden	1	Field Station
Pairs rowlocks	steel	4	Field Station
sea anchor	canvas	1	Bidthangara

signalling flags	marine	1 set	Bidthangara
Gaff	wooden handle	1	Field Station
Gaff	aluminium	1	Bidthangara
Grapple and line		1	Bidthangara
Hose and fittings	Nylex	1	Bidthangara
Hose and flush muffs		1	EX63

TRAILERS

1x Purpose built John Papas trailer with drop sides, extendable roof-racks and spare wheel. Double front mounts for 2 outboards and aluminium racks for inflatable. Reg. 8QU 076 (Blue)

1x Purpose built John Papas trailer with drop sides, extendable roof-racks and spare wheel. Reg. 8QU 250 (Green)

SCIENTIFIC EQUIPMENT

Laboratory

ITEM	TYPE	QUANTITY
Anemometer/data logger	Woofle	2
Balance	Mettler pan	1
Balance	Sartorius digital (0.01g)	1
Balance	Sartorius digital (0.001g)	1
Colorimeter		1
Computer	Canon XO7 Pearl	1 (at office)
Computer	Toshiba with printer (in silver Pelican case)	1 (at office)
Drying oven	large	1
Drying oven	small	1
Freezer	large Kelvinator	1 needs repair
Freezer	chest	1
Freezer	chest	1
Fridge	large	1
Fridge	small bar	1
Microscope	Leitz optical	1
Microscope	Olympus dissecting	1
Microscope light and control		1
PH meter	Orion	1
Refractometer	Atago	1
Stirrer	magnetic	1
Voltmeter	analog	1
Voltmeter	digital	1

FIELD EQUIPMENT

ITEM	TYPE	QUANTITY
ADCP Frame	Aluminium	2 sections
Binoculars		2 pr
Bore sampler		1
Core holders	S/steel	4
Data loggers	Unidata	6
Ice box	large	1
Esky	large	1
Eskys	medium	3
Filter towers	.25L hand held	4
Filter tower	3 x 2L	1
Grid	acrylic engraved (1m x 1m)	2
Groundwater sample tubes		12
Hydrowire reel	500m	1

Light temp. loggers	Mcllwraith	3
Light loggers (single channel)	Wesdata	4
Temp. loggers (sgl ch)	Wesdata	4
Temp. logger housings	Custom-made. Stainless	6
Metabolic domes		4
Messengers	Niskin	2
Meter wheel	1000m	1 on Bidthangara
Niskin bottles	5L	3
Niskin bottles	10L	2
Niskin racks	5Lx3;10Lx3;10Lx1	3
Niskin ropes	2x30m	2
Oxygen meter	Yeo-kal	1
Intergrating sampler	RIMCO	1
Secchi discs	ply	4
Sediment scoop	20mm depth	3
Sediment core holders	42 cores each	30
Sediment traps	pvc	~120
Sextant	plastic in case	1
Staining frames	small and large	14
Star pickets	5'6" black plastic	200
Star pickets	5'6" galv steel	58 (30 at Exmouth)
Star pickets	600mm	120 (100 " ")
Star picket donger	1xsm;2xmed	3
Star picket donger extention		2
Star picket PVC "cap"	600mm	100
Sledge hammers		2
ST meter (expanded scale)	Yeo-kal	1
ST meter cable	100 m	1
ST meter (TPS 90-FLMV)	With cable etc in Pelican case	1
Theodolite	in leather case	1
Transect line	100m	4
Transect line	50m	5
Quadrats	various	~25
Winches	various	4

CAMPING EQUIPMENT

Companion Stove	3 burner	1
Primus Stove	2 burner	1
Various cutlery & crockery	In prawn crate	
Various pots & pans	In prawn crate	
Swags	Green canvas	2
Gas bottle	3 lb (needs test)	1
Gas light		1
Extension pole for light		1
Water containers	20 L plastic	4
Air mattresses		5

TOOLS

Comprehensive tool kits and spares are kept aboard the "Bidthangara" and the "EX63". The following tools are kept at the Fremantle field station.

ITEM	TYPE	QUANTITY
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Brushes	steel	2
Brushes	scrubbing	2
Circular Saw	Ryobi 184mm electric	1
Cutters	wire	1
Cutters	bolt	1
Crimping pliers		1
Drill	Ryobi cordless	1 needs repair
Drill	Electric 3/8"	1
Drill	hand	1 (Bidthangara)
Drill bit set	1/16 to 3/8	1 (Bidthangara)
Drill bits	various	various
Double adapter		1
Electrical connector set	ARLEC	1
Engraver-electric		1
Extension cords	20m	3
	5m	1
Fids	sm	2
Fids	lge	3
Files	round	2
	flat	2
	rasp	1
Grease gun		1
Grease gun		1 (Bidthangara)
Grinder	bench	1
	hand 4"	1
Grips	vice	1
Hammer	claw	2
	ball sm.	1
	gympie 2lb	1
Jigsaw	BOSCH electric	1
Knives		3
Netting tools		1
Leather punch	wheel type	1
Planers	hand	1
Rivet set		1
Screwdrivers	flat- various	8
	phillips- various	6
Saw	hand	1
	hack	3
	tenon	1
	Black & Decker 6" electric	1
Sealant applicator gun		2
Snips	garden-large	3
	garden-small s/s	4
Snips- tin		1
Spanner set	open end/ ring. ETC	1
Steel rulers	1 x 600mm 1 x 1000m	2
Tape measures	1x5m, 1x7.5m 4x50m	6
Tomahawk		1
Vernier calipers	plastic	1
Vice	4"	1

MOORING EQUIPMENT

Anchors	danforth	2
	railway line 40kg	6
	railway line 6kg	8
Ballast	4kg	8
	8kg	6
Buoys	8" & 12" polystyrene	20
	subsurface lge	2
	sm pimple	20
	temp logger arrays	4
Chain	various	various
Rope- wire	4mm galv.	100m
	9mm stainless	~60m
	9mm stainless bridles	various
	Nylon/ polypropylene	various
	Swaged lengths	various
Shackles	assorted	~20
Swivels	Ronstan stainless	10
	Trawl	10
Weights	lead 3lb	15
	lead 6lb	6
Weight mould	6 lb	1

CONTAINERS

ITEM	TYPE	QUANTITY
Buckets	plastic	10
Nally bins and lids	plastic 20L	8
	plastic 30L	4
	trays	5
Sorting trays	sm trays	5
	Lge trays	4
Prawn crates	Orange with lids	8
other crates	various	5
Salinity bottle crates	padded	5
Equipment boxes	various	4
Drink containers	2L	3
	4L	1

OCEANOGRAPHIC EQUIPMENT

Apart from various equipment previously mentioned.

2 metre drogues	With floats, flags etc	7
.25 metre drogues		10
Spares box		1
Lengths of line for drogues		2 boards

DGPS UNIT

The branch's DGPS unit is self contained with the various components and spare parts.

Garmin GPS unit	GPS12	1
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This unit is now incorporated into the DGPS unit.

See-thru acrylic case	purpose built	1
Scoutmaster GPS unit	with antennae	1
Fugro demodulator unit	with 2 antennae	1
12v motorcycle batteries		8
Rechargers for 12v batteries		2
Spares (AA batteries, globes etc.)		various

Ply hinged-lid transport box		1
External power lead	for 12v 2 pin plug.	1

MISCELLANEOUS

ITEM	TYPE	QUANTITY
Battery charger	ARLEC	2
Ear safety plugs		100 ("Bidthangara")
Ear Safety mufflers		1 ("Bidthangara")
Safety glasses		2 pr (in workshop)
Engel fridge/freezer	20L	1
Field cases	various	3
Fluoro lights	12v for "Bidthangara"	3 (need polarizing)
Fluoro light	240v weatherproof.	1
First aid kit	large (diving)	1 ("Bidthangara")
	large (diving)	1 (Field station)
	sm	1
Funnels	various	5
Handic radios		4
Handic radio mounts		2
Spray jackets	nylon	4
Sieves	various	4

DIVING EQUIPMENT

CYLINDERS

SERIAL NO.	MCB NO.	MAN. DATE	LAST TEST
F3866	1	11/82	7/99
F3856	2	11/82	7/99
F3864	3	11/82	7/99
F3867	4	11/82	7/99
H7092	5	8/84	7/99
H7087	6	8/84	7/99
H7097	7	8/84	7/99
B9751	8	12/79	7/99
B9724	9	10/82	7/99
M3678	10	8/86	7/99 Ex Woodvale
O9046	11	1/90	7/99 Ex Woodvale

17504 65	yellow	1/76	
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This unit used for inflation of tyres and inflatable NOT TO BE USED FOR DIVING

REGULATORS

No	Serial #	Uwatec Serial #	Last Service
EPA 1			2/98
EPA 2			4/98
EPA 3			4/98
EPA 4			4/98
EPA 5			2/98
EPA 6			4/98
EPA 7			2/98
CALM 8			ex Woodvale

MARES 1	VO 10078	40402	NEW 4/99
MARES 2	VO 10246	38522	NEW 4/99
MARES 3	VO 10971	42967	NEW 4/99
MARES 4	VO 10968	43433	NEW 4/99

BOUYANCY COMPENSATION DEVICES (BCD'S)

No	Description	Size	Comments
1	Red Scubapro	Sm/Med	Good
2	Red Scubapro	Med	Good
3	Red Scubapro	Med	Good
4	US Divers Sonic (black)	Large	Good
5	US Divers Sonic (black)	Extra large	Good
6	Seaquest (Blue)	Large	Good
7	Seaquest (Black) ex Woodvale	Small	Service
8	Apollo (Black) ex Woodvale	Small	Service
M1	Mares Vector 1000 S/# CV 16655	Sm/med	New 12/98
M2	Mares Vector 1000 S/# CV 16973	Med	New 12/98
M3	Mares Vector 1000 S/# CV 16658	Med	New 3/99
M4	Mares Vector 1000 S/# CV 18401	Med	New 3/99

MISCELLANEOUS EQUIPMENT

Item	Quantity	Comments
Spare weight belts with 6x20 lb weights	6	Good
Spare Mask	3	Good
Spare Parts Kit	1	Good
Spare Fins	2 pr	Good
Spare booties	1 pr	Good
Spare wetsuit (2 piece ex Jim Burt large)	1	Good
Small slates	6	Good
Large slates	10	Good
Catch bags	10	Numbered 1 - 10
Hoods	3	Good
Wrist computer	1 (#1)	Serial # 18878
Wrist computer	1 (#2)	Serial # 11545
Wrist compasses	6	Good

COMPRESSOR

Bauer compressor unit with inter-changable Honda petrol motor and 3 phrase electric motor. Unit mounted on trolley with spares box (oil, plugs, belts & tools)

PHOTOGRAPHIC EQUIPMENT

All photographic equipment is housed at the office, 47 Henry Street. Fremantle for security reasons.

Still Equipment

ITEM	SERIAL NO.	VALUE	STATUS
Nikonos V	2025295	\$915	good
Nikonos V	2033818	\$915	good
Nikonos V	2030402	\$915	good
Nikonos IV	4143308	\$915*	good
Canon EOS500	8974971	\$750	good

Polaroid land camera		\$449	good
VT-86HQ tripod		\$99	good
6' tripod screen		\$320	good
Slide projector		\$1000	good
Nikonos SB102 Strobe	206043	\$1235*	good
Nikonos SB102 Strobe	213078	\$1235*	good
Nikonos SB102 Strobe	206137	\$1235*	good
Nikonos SB102 Strobe	207455	\$1235*	good
Nikonos SB102 Strobe	206136	\$1235*	good
Nikonos SB103 Strobe	214444	\$1235*	good
Nikonos 35mm lens	564774	\$285	good
Nikonos 35mm lens	566259	\$285	good
Nikonos 35mm lens	571460	\$285	good
Nikonos 35mm lens	534737	\$285	good
Nikonos 35mm lens	720969	\$285	good
Nikonos 28mm lens	165591	\$653	good
15mm lens and viewfinder	211861	\$3359	good
Nikonos close-up kit	123686	\$590	bag zip corroded
Nikonos close-up kit	115140	\$590	bag zip corroded
Sea sea macro kit		?	missing 2 attachments
Suba-wider & viewfinder		\$200	good
	TOTAL	\$20505	

* No longer available. Price based on previous model

Video Equipment

ITEM	SERIAL NO.	VALUE	STATUS
Canon DM-MV1 digital camera (# 1)	6620101358	\$2200	Excellent
Amphibico MV1 housing (# 1)		\$1550	Excellent
Canon DM-MV1 digital camera (# 2)	6620201234	\$2200	Excellent
Amphibico MV1 housing (# 2)		\$1550	Excellent
Chassis and extension rod (# 1)		\$50	Excellent
Chassis and extension rod (# 1)		\$50	Excellent
Blaupunkt CC894 camcorder	406001722	\$1995	good
Stingray SR700 housing	968230041735B	\$5650	good
2 Strobes and chargers		\$1800	good
ROV c-cat unit		\$26000*	unknown
Ocean Graphics drop-down video		\$4000	good
As above (2 nd unit)		\$3000	Excellent
5" Contec monitor		\$1200	good
2 x 50m cables		\$400	good
12/240v TV – VHS unit		\$550	good

* No longer available. Price based on R.R.P.

Display Equipment

Pecan display boards	3 panels (folded) blue	good
Display material	various posters etc	mostly good
Overhead Projector/screen		good