

INVERTEBRATE SPEARFISHING RECORDS

In 2021, after consultation with the Australian Spearfishing Commisioner and the National and State Record Officers, eligible species for the Australian Spearfishing Records was extended to include some invertebrate species. The records are still decided according to weight, and requirements for weighing devices are the same as for finfish, but measurement and photo requirements.

The Qld (and Australian) invertebrate records started with a few historical captures which had the necessary ID photos, verified weights and details. These have now been added to by 2023 record claims. PART V? Parts I to IV left for the finfish records' larger files, and so last year's part IV is now part V.

Eligible species

*Species of the class *Cephalopoda* (Squid, Cuttlefish and Octopuses) are eligible with the following exceptions: Order *Nautilida* (Chambered Nautiluses)

*Species of the class *Crustacea* (Crayfish, Lobsters and Crabs, etc.)

States have differing fisheries regulations. To be eligible:

- *Fisheries regulations that apply where the capture was made must be complied with. Fish (this includes invertebrates) that are protected under State or Federal Government regulations at that location are ineligible.
- *A minimum weight of 500 gm applies to all records.
- *Spearfishing Commission rules that apply to finfish also apply to invertebrates except as below.

Specifically note:

- *Captures made with the aid of SCUBA, or any breathing aid other than a snorkel, are ineligible.
- *The spearo must be immersed when making the capture.
- *Assisted captures are not eligible.
- *Crustacea may be speared if this is legal at that location.
- *Spearfishing Commission rules are varied for invertebrates as follows:

 Captures may be made using a tail loop, cray hook, or by gloved hand, provided
 the method used is local at that location (but must be immerced) (Scube is not per

the method used is legal at that location, (but must be immersed.) (Scuba is not permitted for records even if it is legal to use it under relevant Fisheries regulations.)

Invertebrates are measured in different ways to finfish, and photographs of the capture may be different to finfish and for records are as follows. These may need to be varied to show the capture meets size, or other Fisheries requirements where the capture was made. (Use your common sense.)

All captures require photographs to prove the species identity. It is the responsibility of the spearo to prove the identity though the Records Officers will try to help.

As well as any legally required measurement:

Octopus: total length (top of head to out-stretched legs.)

Squid and Cuttlefish: mantle length. Photo of dorsal surface showing fins. Photo of suckers on leg club. **Rock Lobsters, Crayfish:** total length (carapace to telson.) Photograph of dorsal surface tail extended. Photograph of ventral surface, tail extended, showing pleopods have not been removed.

Crabs: Any measurement specified under fisheries legislation (specify) otherwise tip to tip of lateral spines. Photograph of dorsal surface. Photograph of ventral surface.

CRAYFISH of the genus **PANULIRUS** of **QUEENSLAND**

Members of this genus are usually referred to as Spiny Lobsters or Tropical Rock Lobsters in literature, but Qld spearos call them crayfish or crays, so those terms are used here.

Common names: Coral Cray and Painted Cray have been used as the name for a number of the genus. These names have also been used for the whole group by some authors. This duplication has added to the confusion most spearos have with which cray common names to use. They've been listed here where they've most commonly been used.

How many species: There are seven cray species literature cites as being found in Qld, but two that spearos haven't taken (and we don't have a photo, though you can find them on line by searching the scientific name.) NSW species may also reach the edge of our area.

Mud Cray (recommended common name)

Panulirus polyphagus (Herbst)

Common names: Mud Cray.

Legs: Light brown with creamy white blotches.

Spines: Spines tipped with yellow-orange. Frontal horns not large

Antenna: Light brown.

Other points: Body dull green, lateral carapace with two longitudinal creamy stripes that meet posterially. Creamy transverse band on the posterior edge of each abdominal segment.

Distribution: Northern Cape York, but uncommon in our area. Found in shallow turbid waters at depths 3-90 m, usually less than 40 m, on muddy substrates.

White Whisker Cray (recommended common name)

Panulirus albiflagellum Chan and Chu

Common names: White Whisker Cray.

Legs: Conspicuously striped with longitudinal white lines.

Antenna: The "white whiskers" refers to the small feelers, not the large antenna. It is a close

relative of the Coral Cray (Red Cray) in which the small feelers are banded.

Other points: Abdomen dark purple-brown covered with numerous white spots.

Distribution: Some areas of northern Cape York. A small cray found in shallow reef waters

to 20 m but nowhere common.

The other five species can be identified easily from this guide.

Blue-Faced Cray (recommended common name)

Panulirus penicillatus (Oliver)

Common names: Pronghorn Cray, Blue-Faced Cray, Common Cray.

Legs: Conspicuously striped with white lines.

Spines: Spines tipped with yellow-orange. 4 frontal Horns, anterior pair about twice the

height of secondary pair.

Antenna: Dark brown to black.

Other points: Only first abdominal segment has a pair of large white spots. Membranous

areas of "face" light blue.

Distribution: Entire Qld coast, Great Barrier Reef and Coral Sea Reefs, but uncommon

in our area. Found in shallow waters at depths 1-4 m, maximum 16 m.







Coral Cray (recommended common name)

Panulirus longipes bispinosus (A. Milne Edwards)

Still listed as P. 1. femoristriga in most older texts.

Common names: Coral Cray, Red Cray, Blue-spot Cray, Purple Cray, Long-legged Cray.

Legs: Conspicuously striped with white lines.

Spines: Frontal horns dark but faced with white. Frontal Horns, anterior pair much higher than the height of secondary pair.

Antenna: Dark brown to black. Small whiskers are banded.

Other points: Main abdominal segments have a large white spot on each side. Generally a purple-brown colour with many small white spots on carapace and body. Lateral carapace with 2 horizontal longitudinal white stripes (lower longer.)

Distribution: Entire Qld east coast & Great Barrier Reef. Locally common. Found to depths of 20 m, occasionally deeper to 130 m.





Ornate Cray (recommended common name)

Panulirus ornatus (Fabricius)

Common names: Ornate Cray.

Legs: Black conspicuously blotched with white spots.

Spines: Anterior pair of frontal horns large, black with white marbling.

Antenna: Dark pink to blackish, base with intricate marbling.

Other points: Tail fan orange-brown. Abdomen green with some black shading and a cream spot on the side of each segment. Carapace bluish with orange spines to mauve marbling of the anterior part.

Distribution: Entire Australian coast, Great Barrier Reef and Coral Sea Reefs except southern coast of Australia. More common as one goes north and common in these areas. Usually found in shallow waters at depths 1-10 m, but can be found to 200 m.



Headland Cray (recommended common name)

Panulirus homarus (Linnaeus)

Common names: Scalloped cray, Headland Cray.

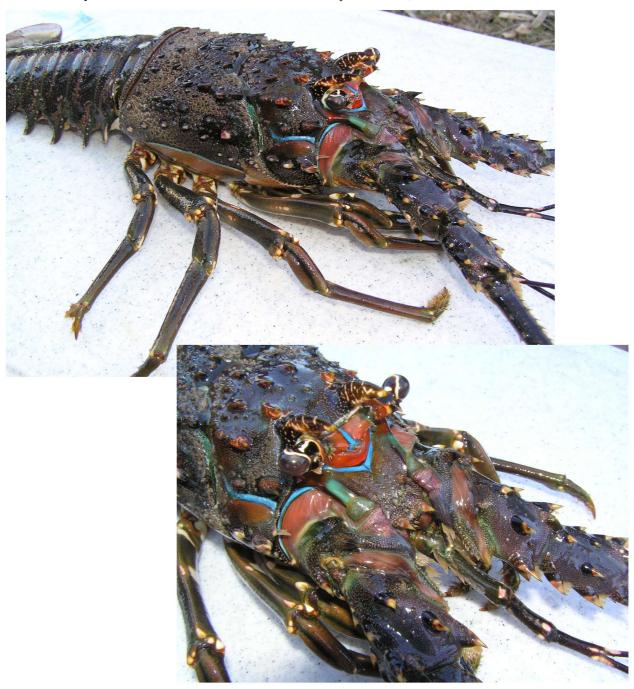
Legs: Greenish, upper leg segments occasionally blotched with creamy white and spines on leg joints creamy white tipped with brown.

Spines: Anterior pair of frontal horns much larger than secondary pair, and black, but banded by thin white lines.

Antenna: Dark green to black.

Other points: Body greenish to brownish, abdomen with many small white spots. Abdominal segments generally have a large white spot on each side and a central white spot, making three rows. It has a distinct blue "V" on its face contrasting with bright orange areas.

Distribution: Entire Qld coast & Great Barrier Reef, but usually around the mainland and inshore rocky islands. Found in shallow waters at depths 1-5 m, maximum 90 m.



Painted Cray (recommended common name)

Panulirus versicolor (Latreille)

Common names: Painted Cray.

Legs: Conspicuously striped with cream and black lines lines.

Spines: Spines tipped with yellow-orange. Anterior pair of frontal horns very large and

patterned with contrasting creamy yellow and black.

Antenna: Base red/pink with yellow spines surrounded by black. Antenna pink lines.

Young have an antenna that is almost entirely white.

Other points: Carapace orange with contrasting areas of black and creamy yellow. Abdomen greenish with transverse black and cream bands across rear of each segment. Distribution: Entire Qld coast and Great Barrier Reef. Common in our area. Found in shallow waters at depths 1-4 m, maximum 16 m.



There are two slipper lobsters in northern Australia. Both widely distributed but uncommon. Both species grow quite large.

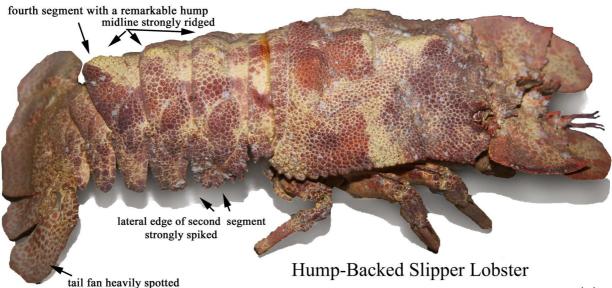
Hump-Backed Slipper Lobster

(recommended common name)

Scyllarides haanii (De Haan)

Common names: Hump-Backed Slipper Lobster, Aesop Slipper Lobster.

I.D. points: Dorsal midline of second, third and fourth tail segments strongly ridged, with that of the fourth segment produced into a remarkable hump. Lateral edge of second segment strongly spiked. Maximum length to 50 cm. Tail fan heavily spotted.



Red Slipper Lobster

(rec. common name)

Scyllarides squammosus (H.

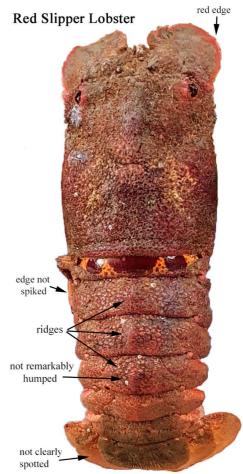
Milne Edwards)

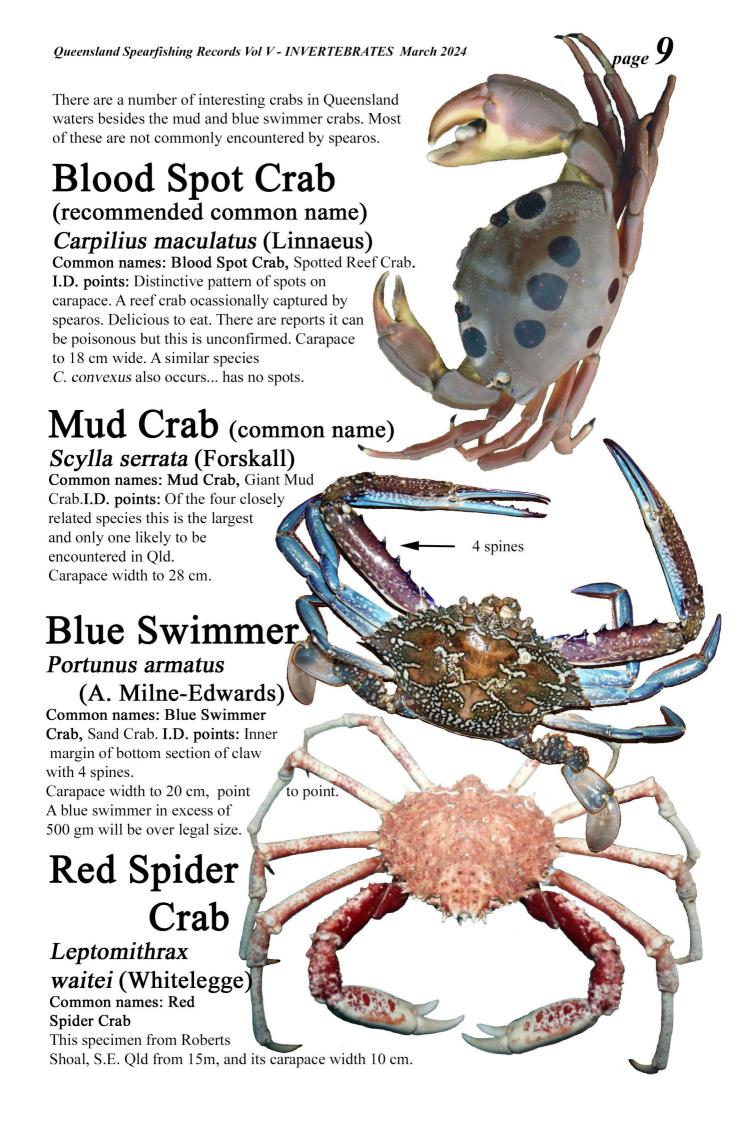
Common names: Red Slipper Lobster,

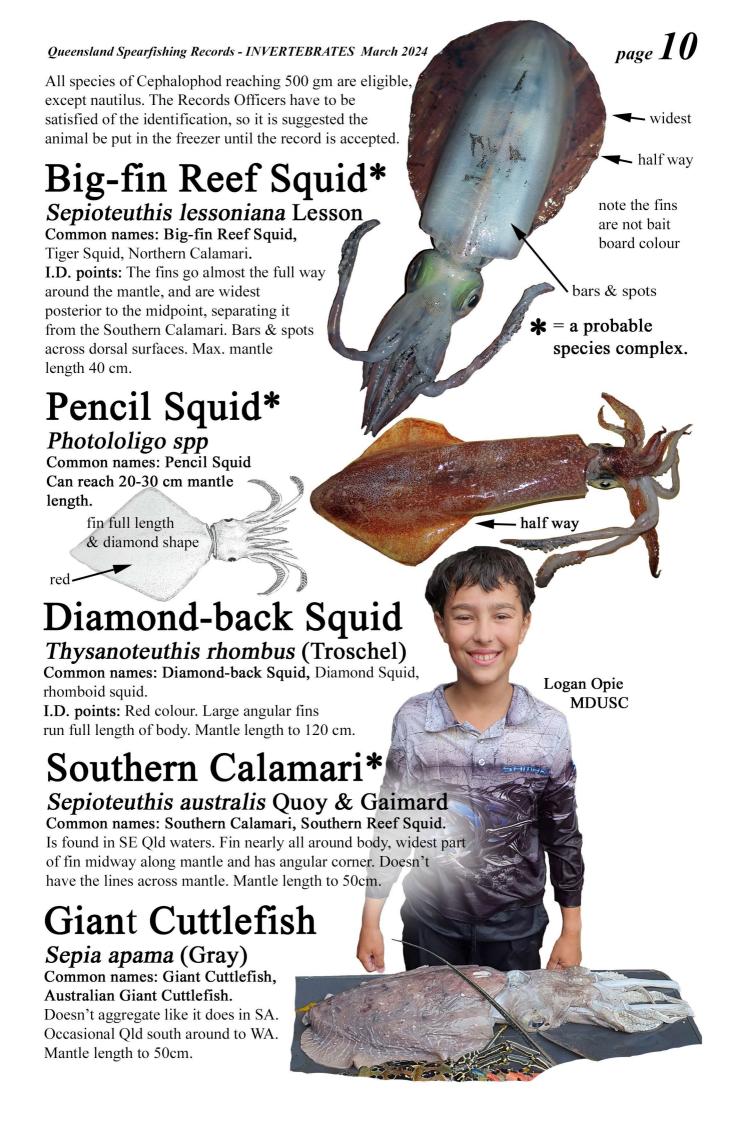
Blunt Slipper Lobster.

I.D. points: Dorsal midline of second, third and fourth tail segments weak to moderately ridged. Lateral edge of second segment not spiked. Edge of flat antenna with clear orange margin. Tail fan not clearly spotted.

Maximum length to 40 cm.







2024 AUFQ INVERTEBRATE RECORDS

CRAYFISH PALINURIDAE

Panulirus homarus (Linnaeus)			HEADLAND CRAY, SCALLOPED CRAY				
J	-	-	-	-	-		
W	1.606 kg	Jennifer Budworth	TGCFD	20/11/21	Kingscliff Rf, Tweed Coast, NSW		
O	1.606 kg	Jennifer Budworth	TGCFD	20/11/21	Kingscliff Rf, Tweed Coast, NSW		
A	1.606 kg	Jennifer Budworth	Qld	20/11/21	Kingscliff Rf, NSW		
Panulirus longipes bispinosus (A. Milne Edwards)			COR	AL CRAY	Y, PURPLE CRAY, LONG-LEGGED CRAY		
J	-	-	-	-	-		
W	-	-	-	-	-		
0	1.335 kg	Phil Hall	SCS	30/8/24	Gneering Shoals, Sunshine Coast Qld		
(TIE)	Mac Riddle	SCS	13/6/21	Pt Arkwright Sunshine Coast Qld		
A	1.385 kg	Rhys Clay	Qld	25/8/23	Evans Heah, NSW		
Pani	ılirus orna	tus (Fabricus)	ORNAT	TE CRAY	7		
J	-	-	-	-	· -		
W	2.600 kg	Skye Tencate	MDUSC	3/11/23	Pearl Reef, GBR off Innisfail		
O	4.200 kg	Cody Ainslie		15/9/22	Adelaide Rf, GBR off Innisfail		
	4.200 kg	Cody Ainslie	Qld	15/9/22	Adelaide Rf, Qld		
Panu	dirus penic	illatus (Olivier)	BLUE-FACED CRAY, PRONGHORN CRAY				
J	- 1	-	-	-	-		
W	_	-	-	-	-		
O	3.160 kg	Zachary Smith	BSC	29/12/14	North West Island, Capricorn Group		
A	3.160 kg	Zachary Smith	Qld	29/12/14	North West Island, Qld		
Panu	dirus versio	color (Latreille)	PAINT	ED CRA	Y		
J	2.260 kg	Caden Tencate	MDUSC	21/10/23	Digby Island, off C. Palmerston		
(TIE)		Logan Opie	MDUSC	15/9/22	Adelaide Rf, GBR off Innisfail		
W	1.950 kg	Amanda Opie	MDUSC	23/7/23	Credlin Reef, GBR off Mackay		
O	3.260 kg	Duncan Limpus	BSC	26/7/14	Fitzroy Reef, Bunker Group, Qld		
A	3.260 kg	Duncan Limpus	Qld	26/7/14	Fitzroy Reef, Qld		

SLIPPER LOBSTERS & BUGS SCYLLARIDAE

Scyllarides squammosus (H. Milne Edwards)			RED SLIPPER LOBSTER, BLUNT SLIPPER LOBSTER			
J	-	-	-	-	-	
\mathbf{W}	-	-	-	-	-	
O	1.255 kg	Rhys Clay	SCS	16/10/21	Mudjimba Island, Sunshine Coast	
\mathbf{A}	1.255 kg	Rhys Clay	Qld	16/10/21	Mudjimba Island, Qld	

SWIMMING CRABS PORTUNIDAE

Porti	unus aram	atus (H. Milne Edwards)	BLUE SWI	MMER	CRAB, SAND CRAB
J	-	-	-	-	-
W	-	-	-	-	-
O	0.555 kg	Duncan Limpus	BSC	25/5/13	Bundaberg Coastline
\mathbf{A}	0.555 kg	Duncan Limpus	Qld	25/5/13	Bundaberg Coastline

SQUID, CUTTLEFISH & OCTOPUS CEPHALOPODA

Sepioteuthis lessoniana Lesson			BIG-FIN REEF SQUID, TIGER SQUID, NORTHERN CALAMARI				
J	_	-	=	-	-		
\mathbf{W}	1.500 kg	Ammie 'Opal' Stone	SCS	17/8/23	Great Keppel Is., Capricorn Coast		
O	2.070 kg	Adrian Chapman	BSC	2/8/22	Lamont Reef, Bunker Group		
\mathbf{A}	2.070 kg	Adrian Chapman	Qld	2/8/22	Lamont Reef, Bunker Group		
Sepia apama (Gray)							
Sepia		• /		,	FRALIAN GIANT CUTTLEFISH		
Ĵ		Gray) Logan Opie		,	FRALIAN GIANT CUTTLEFISH Gilbert Rf, GBR Qld		
Sepia J W		• /		,			
Ĵ		Logan Opie	MDUSC -	17/10/22	Gilbert Rf, GBR Qld		
Ĵ W	4.580 kg	Logan Opie	MDUSC -	17/10/22	Gilbert Rf, GBR Qld		

Send in open, women's and junior claims.

Especially keep Cephalopods (squid, cuttlefish and octopus until the record is passed.)

SQUID, CUTTLEFISH & OCTOPUS CEPHALOPHODA (Cont.)

Octopus sp	OCTOPUS sp*			
J -	-	-	:=	=
W 2.330 k	g Indigo Sussmilch	SCS	2/8/22	Lamont Reeff, Bunker Group, Qld
O 2.330 k	g Indigo Sussmilch	SCS	2/8/22	Lamont Reeff, Bunker Group, Qld
A 2.330 k	Indigo Sussmilch	Old	2/8/22	Lamont Reeff. Old

^{*} In consultation with the Australian Records Officer it was decided to use a general "octopus sp "category for those octopus we do not have the ability to identify. This is not done elsewhere in the records, and and it is not intended to set a president with other groups. Having the general listing should mot disadvantage those who have an octopus which can be recorded under its correct specific name,

Octopus cyanea Gray			DAY OCTOPUS		
J	=	-	#1	-	Ξ.
W	3.04 kg	Ammie 'Opal' Stone	SCS	31/7/23	Mudjimba Island, Sunshine Coast
O	3.04 kg	Ammie 'Opal' Stone	SCS	31/7/23	Mudjimba Island, Sunshine Coast
\mathbf{A}	3.04 kg	Ammie 'Opal' Stone	Qld	31/7/23	Mudjimba Island, Sunshine Coast

Send in open, women's and junior claims.

Especially keep Cephalopods (squid, cuttlefish and octopus until the record is passed.)



STATE RECORDS OFFICERS

Record applications can alternately be submitted through the appropriate state's records officer to also apply for the relevant state record

QLD

Mick McDade AUF Q Records Officer Brighton Bayside C/van Park 536 Beaconsfield Tce Brighton 4017 Mobile 0407745554 home 07 32694683 Email mickmcdade@brisnet.com.au (Qld state record claim fee nil.)

NSW

Trevor Ketchion AUF NSW Records Officer 116 Drews Rd Loganholme Qld 4129 Mob: 0401595413 Email: trevor.nswrecords@gmail.com (NSW state record claim fee nil.)

VIC

Nathan Watson AUF VIC Records Officer 21 Affleck St Wandong, 3758 VIC Mob: 0409244796 Email: i_m_bored_@hotmail.com

SA

Dave Scholefield & Geoff Atkins AUF SA Records Officer PO Box 271 Mount Compass, SA 5210 Mob: Dave 0409598470 Geoff 0421047862 Email: d_scholefield@outlook.com

WA

Barry Paxman WA Spearfishing Commission 13 David Crescent Hillarys, WA 6025 Mob: 0430455122 Email: paxmen@optusnet.com

NT

Jade Dean AUF NT Records Officer PO Box 53 Nhulunbuy, NT 0880 Mob: 0488973882 Email: jadedean@live.com.au



Australian Underwater Federation Inc.

APPLICATION FOR NATIONAL AND/OR STATE SPEARFISHING RECORD (PRINT IN BLOCK LETTERS)

This form must be accompanied by **CLEAR PHOTOGRAPHS** showing length and girth of species. It is preferred an object for scale or a tape measure is shown in the photo. Refer to guide for additional invertebrate requirements.

SPECIES (Scientific	c Name)			
(Commo	n Name)			
Reference or Identi	fication Source			
Weight	Length	Max.Gir	thIn\	vertebrate Measurements
Date of Capture	PI	ace of Capture	e	State of Capture
Category of Applica	ation: 🗆 Na	ational	□State	
	□Ор	en	□Women's	□Junior (under 18)
Full Name of Applic	cant			
Postal address				
Phone No		Email addre	ess	
Affiliated Club				State Branch
Registered AUF Me	embership No			
Type of Equipment	Used (handspea	r or speargun)	
information and sta SIGNATURE OF D Witness to catch	tements are true.	This fish was	taken by the di	ded without assistance and that the above iver in accordance within the rules of the AUF.
NAME			SIGNATU	URE
ADDRESS				Phone No
We, the undersigned the weight is correct		her make oath	n that the above	e named fish was weighed in our presence and that
Weigh master				
NAME			SIGNATURE.	
ADDRESS				Phone No
**	•	•	•	ation, calibration certificate. Photos
Independent Witn	ess to weighing			
NAME			.SIGNATURE	
ADDRESS				Phone No
TRANSFER \$10 A	PPLICATION FEI	E TO:		
AUF RECORDS E	3SB: 923100 A	COUNT: 463	308411 REFE	RENCE: APPLICANT'S NAME
BANK TRANSFER	RECEIPT NUME	ER		
SEND APPLICATION	ON AND ALL PHO	OTOS/ADDITI	ONAL INFORM	MATION TO aufrecords@yahoo.com

FOR ANY FURTHER INFORMATION CONTACT VIN RUSHWORTH: 0407122067