



E-ISSN: 2320-7078  
P-ISSN: 2349-6800  
JEZS 2020; 8(1): 637-640  
© 2020 JEZS  
Received: 14-11-2019  
Accepted: 18-12-2019

**Jitesh B Solanki**  
College of Fisheries Science,  
Junagadh Agricultural  
University, Veraval, Gujarat,  
India

**Viral C Bajaniya**  
College of Fisheries Science,  
Junagadh Agricultural  
University, Veraval, Gujarat,  
India

**HV Parmar**  
College of Fisheries Science,  
Junagadh Agricultural  
University, Veraval, Gujarat,  
India

**Ketan V Tank**  
College of Fisheries Science,  
Junagadh Agricultural  
University, Veraval, Gujarat,  
India

**HL Parmar**  
College of Fisheries Science,  
Junagadh Agricultural  
University, Veraval, Gujarat,  
India

## Availability of commercially important of marine fin fish and shell fish along Okha fish landing center, Gujarat

**Jitesh B Solanki, Viral C Bajaniya, HV Parmar, Ketan V Tank and HL Parmar**

### Abstract

Investigation on availability of commercially important marine fin fish and shell fish along Okha fish landing center, Gujarat was carried out during Jan 2011 to Dec 2011. On site sampling of marine fin fish and shell fish species were fort-nightly from Okha fish landing center. Total number species 89 fishes and 24 shell fishes were identified and recorded. The local name of fin fishes and shell fishes has been recorded as per locally known.

**Keywords:** Marine fin fishes, Shell fishes, Okha fish landing center, Gujarat

### Introduction

Very often fishery businessmen and workers seek information on the scientific and local names of commercially important fishes and shell fishes in the different regions in connection with their trade. Any fish processing plant depend on raw material availability. So, it is necessary to have knowledge about its identification and availability of fish species in particular region. In Gujarat, Saurashtra coastal belt is replete with fisheries activity related to marine fish capture, mostly by fisher community living on fish and fisheries activity (Gohel *et al.*, 2012) [2]. Gujarat state supplied to other state and other EU & Non- EU Country of Finfish, shrimp and Cephalopods varieties. Global demand for sharks and rays derived products (Johri *et al.*, 2019) [3]. Local names of fishes collected from Solanki (2013) document.

### Experimental Details

- **Collection of fish:** On site sampling of marine fin fish and shell fish species fort-nightly from Okha fish landing center.
- **Identification of fish:** Identification of fish species using FAO species identification sheet (FAO, 2006).

### Results

Survey of fin fish and shell fish were done from January to December 2011 at Okha fish landing center. Experiment was not carried out during closed season from 15<sup>th</sup> May to August 2011. Scientific name, English name and local name of fish and morphometric characters keys of fish identification were recorded. Around 113 finfish and shell fish species of different genera were recorded during the periodic sampling (January 2011 to December 2011). Seasonal availability of finfish and shellfish at Okha fish landing centre is listed in Table 1.

**Corresponding Author:**  
**Jitesh B Solanki**  
College of Fisheries Science,  
Junagadh Agricultural  
University, Veraval, Gujarat,  
India

**Table 1:** Finfish and Shell fish availability at Okha fish landing centre. [Note: (+): Available; (-): Non available ]

	Scientific name	English name	Local name	Jan 11	Feb 11	Mar 11	Apr 11	May11	Sep11	Oct 11	Nov11	Dec 11
<b>Pomfret</b>												
1	<i>Pampus argenteus</i>	Silver pomfret	Paplet	+	+	+	+	+	+	+	+	++
2	<i>Pampus chinensis</i>	Chinese pomfret	Kafari	-	+	+	+	+	-	-	+	++
3	<i>Formio niger</i>	Black pomfret	Halavo	+	+	+	+	+	+	-	+	++
<b>Shrimp</b>												
4	<i>Solenocera crassicornis</i>	Coastal mud prawn	Lal	+	+	+	+	+	+	+	+	++
5	<i>Parapenaeopsis stylifera</i>	Kiddi prawn	Tiny	+	+	+	+	+	+	+	+	++
6	<i>Metapenaeus affinis</i>	Indian prawn	Medium	+	+	+	+	+	+	+	+	++
7	<i>Metapenaeus monoceros</i>	Kutch prawn	Kapasi	-	-	+	+	+	-	-	+	++
8	<i>Penaeus indicus</i>	Speckled prawn	White	-	+	+	+	+	-	-	+	++
9	<i>Penaeus monodon</i>	Indian white prawn	Kabara/Tiger	+	+	+	+	+	+	-	+	++
10	<i>Penaeus semisulcatus</i>	Tiger prawn	Flower	-	+	+	+	+	+	+	-	++
11	<i>Penaeus japonicus</i>	Flower prawn	Medium patta	-	-	+	+	-	-	-	-	++
12	<i>Parapenaeopsis sculptilis</i>	Rainbow prawn	Patta	-	+	+	-	-	+	+	-	++
13	<i>Exhippolysmata ensirostris</i>	Hunter shrimp	Dodi	+	+	-	-	+	+	+	-	++
14	<i>Acetes indicus</i>	Paste shrimp	Javalo	+	+	+	-	-	-	-	-	++
<b>Ribbon Fish</b>												
15	<i>Lepturacanthus savala</i>	Silver ribbonfish	Silver Bagha	+	+	+	+	+	+	+	+	++
16	<i>Trichiurus lepturus</i>	Grey head hair tail	Black Bagha	+	+	+	+	+	+	+	+	++
17	<i>Euplemurogrammus muticus</i>	Small head hair tail	Rasi	+	+	-	-	-	-	-	+	++
<b>Mackerel</b>												
18	<i>Rastrelliger kanagurtra</i>	Indian mackerel	Malbari Bangandi	+	+	+	+	+	+	-	-	++
19	<i>Megalaspis cordyla</i>	Horse mackerel	Bangada	+	+	+	+	+	+	+	+	++
<b>Thread Fins</b>												
20	<i>Polynemus tetradactylus</i>	Four finger thread fin	Dara	+	+	+	+	+	+	-	-	++
21	<i>Polynemus indicus</i>	Indian thread fin	Rawas	+	+	+	+	+	-	-	-	++
22	<i>Polynemus heptadactylus</i>	Seven finger thread fin	Sheri	-	+	+	+	-	-	-	-	++
<b>FLOUNDER</b>												
23	<i>Pseudorhombus arsius</i>	Large toothed flounder	Khetar	+	+	+	+	+	-	-	-	++
24	<i>Psettodes erumei</i>	Indian halibut	Hariyo	+	+	+	+	+	-	-	+	++
<b>TUNA</b>												
25	<i>Euthynnus affinis</i>	Little tuna	Gedara	+	+	+	+	+	-	-	-	++
26	<i>Auxis thazard</i>	Frigate mackerel	Gedari	+	+	+	+	+	-	-	+	++
27	<i>Katsuwonus pelamis</i>	Skipjack tuna	Potala	+	+	+	+	+	-	-	+	++
28	<i>Thunnus albacarus</i>	Yellow fin tuna	Vir gedara	+	+	-	+	+	-	-	+	++
29	<i>Thunnus togrol</i>	Long tail tuna	Serava	+	+	+	+	+	-	-	+	++
30	<i>Thunnus obesus</i>	Big eye tuna	Serava	+	+	+	+	+	-	-	+	++
<b>Cephalopods</b>												
31	<i>Sepia pharaonis</i>	Cuttlefish	Makul	+	+	+	+	+	+	+	+	++
32	<i>Sepia aculeata</i>	Needle cuttlefish	Dedaka	+	+	+	+	+	+	+	+	++
33	<i>Sepia prasadi</i>	Cuttle fish	LB ( Long Bone)	+	+	+	+	+	-	-	+	++
34	<i>Sepiella inermis</i>	Spineless cuttlefish	Goti	+	+	+	+	+	+	+	+	++
35	<i>Loligo duvaucelii</i>	Squid	Narsinga	+	+	+	+	+	+	+	+	++
36	<i>Doryteuthis sibogae</i>	Needle Squid	Nidal	-	-	+	+	+	-	-	+	++
37	<i>Octopus globosus</i>	Octopus	Salak	+	+	+	+	+	-	-	+	++
<b>Lobster</b>												
38	<i>Penulirius polyphagus</i>	Rock lobster	Titan/Hakam	+	+	+	+	+	+	+	+	++
39	<i>Thenus orientalis</i>	Sand lobster	Kaka	+	+	+	+	+	+	-	-	++
<b>Shark</b>												
40	<i>Carcharhinus limbatus</i>	Black tip shark	Magara	+	+	+	+	+	+	-	+	++
41	<i>Scoliodon laticaudus</i>	Spadenose shark	Sandho	+	+	+	+	+	+	-	+	++
42	<i>Sphyraena lewini</i>	Hammer head shark	Nathiyo	-	-	+	-	-	-	-	-	++
43	<i>Mustelus mosis</i>	Arabian smooth hound	Bokha	-	-	+	-	-	-	-	+	++
<b>Lizard fish</b>												
44	<i>Saurida tumbil</i>	Greater lizard fish	Bhungar	+	+	+	+	+	+	+	+	++
45	<i>Saurida undosquamis</i>	Brush tooth lizard fish	Bhungar	+	-	+	+	+	+	-	+	++
46	<i>Saurida longimanus</i>	Long fin lizard fish	Pencil bhungar	+	-	-	+	+	+	-	+	++
47	<i>Trachinocephalus myops</i>	Bluntnose lizard fish	Patta bhungar	-	-	-	+	+	+	-	-	++
<b>Croaker</b>												
48	<i>Johnius dussumieri</i>	Bearded croaker	Mathara dhoma	+	+	+	+	+	+	+	+	++
49	<i>Otolithes cuvieri</i>	Lesser tooth croaker	Silver dhoma	+	+	+	+	+	+	+	+	++
50	<i>Otolithes ruber</i>	Tiger tooth croaker	Mausambi dhoma	-	-	+	+	+	-	-	-	++
51	<i>Otolithes biauritus</i>	Bronze croaker	Goyani	+	+	+	+	+	+	+	+	++
52	<i>Nibea maculata</i>	Blotched croaker	Babar	+	+	+	+	+	-	-	+	++
53	<i>Protonibea diacanthus</i>	Jew fish	Ghol	-	+	+	-	+	-	-	-	++

Seer fish																			
54	<i>Scomberomorus guttatus</i>	Spotted seer fish	Chhapari	-	+	+	+	+	+	+	-	-	-	+	+	+	+	+	+
55	<i>Scomberomorus lineolatus</i>	Streaked seer fish	Chhapari	-	-	+	+	+	+	+	-	-	-	+	+	+	+	+	+
56	<i>Scomberomorus commerson</i>	Barred seer fish	Surmai	+	+	+	+	+	+	+	-	-	-	+	+	+	+	+	+
Rays																			
57	<i>Mobula diabolus</i>	Devil ray	Timari	-	-	+	-	-	-	-	-	-	-	+	-	-	+	+	-
58	<i>Dasyatis zugei</i>	Pale-edged sting ray	Varara	-	-	+	+	-	-	+	-	-	-	+	+	+	-	+	-
59	<i>Rhinoptera javanica</i>	Cow ray	Boor	-	-	-	-	-	-	-	-	-	-	+	+	-	-	+	-
Skates																			
60	<i>Rhynchobatus djiddensis</i>	Guitar fish ,White spotted shovel nose ray	Dhons	-	-	-	+	-	-	+	-	-	-	-	+	+	+	+	-
61	<i>Rhynobatos granulatus</i>	Granulated Shovel-nose ray	Dhons	-	-	+	+	-	-	+	-	-	-	+	+	-	+	-	+
Crab																			
62	<i>Charybdis cruciata</i>	Cross crab	Lal Kurchal	+	+	+	+	+	+	+	-	-	-	+	+	+	+	+	+
63	<i>Scylla serrata</i>	Mud crab	Dhebo	-	-	+	+	+	-	-	-	-	-	-	+	+	+	+	+
64	<i>Portunus pelagicus</i>	Blue crab	Blue/ Samdariyo	+	+	+	+	+	+	+	-	-	-	+	+	+	+	+	+
65	<i>Portunus sanguinolentus</i>	Three spotted crab	Tapaki	+	+	+	+	+	+	+	-	-	-	+	+	+	+	+	+
Eel																			
66	<i>Congresox talabonoides</i>	Indian pike conger	Vam	-	+	+	+	+	+	-	-	-	-	+	+	+	+	+	+
67	<i>Muraenesox cinereus</i>	Silver conger eel	Vam	-	+	+	+	+	-	-	-	-	-	+	+	+	+	+	+
Grunters & sweet lips																			
68	<i>Pomadasys argenteus</i>	Silver grunt	Ghurako	-	+	+	-	+	+	+	-	-	-	-	+	+	+	+	+
69	<i>Diagramma pictum</i>	Painted sweet lip	Aandar	+	+	+	+	-	-	+	-	-	-	-	+	+	+	+	+
Reef cod																			
70	<i>Epinephelus diacanthus</i>	Six barred reef cod	Lal Shelvi	+	+	+	+	+	+	+	+	-	-	+	+	+	+	+	+
71	<i>Epinephelus tauvina</i>	Grey reef cod	Shelvi	-	+	+	+	-	+	+	-	-	-	-	+	+	+	+	+
Cat fish																			
72	<i>Arius thalassinus</i>	Giant catfish	Black Khagga	+	+	+	+	+	+	+	+	-	-	-	+	+	+	+	+
73	<i>Arius dussumieri</i>	Dussumieri's catfish	Khagga	+	+	+	+	+	+	+	+	-	-	+	+	+	+	+	+
74	<i>Osteogeniosus militarius</i>	Soldier catfish	Goji	+	+	+	+	+	+	+	+	-	-	-	+	+	+	+	+
Clupeids																			
75	<i>Tenualosa ilisha</i>	Indian shad	Chaksi	-	+	+	+	+	+	+	+	-	-	-	+	+	+	+	+
76	<i>Tenualosa toli</i>	Chinese herring	Pallo	-	+	+	+	+	-	+	-	-	-	-	+	-	+	+	-
77	<i>Ilisha megaloptera</i>	Big eye ilisha	Dorari kati	-	-	-	-	+	-	-	-	-	-	-	+	+	+	-	-
78	<i>Sardinella longiceps</i>	Oil sardine	Aed	-	-	-	-	-	-	-	-	-	-	-	+	+	+	+	+
79	<i>Opisthoterpes tardoore</i>	Tardoore	Khoti kati	+	+	+	+	+	+	+	-	-	-	-	+	+	+	+	+
80	<i>Dussumeria acuta</i>	Rainbow sardine	Telas kati	-	-	+	+	+	+	+	-	-	-	-	-	+	+	+	+
81	<i>Colia dussumieri</i>	Golden anchovy	Mendali	+	+	+	+	-	-	-	-	-	-	-	-	-	+	+	+
82	<i>Chirocentrus dorab</i>	Silver bar	Lapara	+	+	+	+	+	+	+	+	-	-	+	+	+	+	+	+
Carangids																			
83	<i>Atropus atropus</i>	Kuwesh travelly	Nariyela	+	+	+	+	+	+	+	-	-	-	-	+	+	+	+	+
84	<i>Caranx sexfasciatus</i>	Dusky travelly	NAriyela	-	+	+	+	+	+	+	-	-	-	-	+	+	+	+	+
85	<i>Decapterus russelli</i>	Russell's scad	Khota Bangada	-	+	+	+	-	-	-	-	-	-	-	-	+	+	+	+
86	<i>Scomberoides commesonnianus</i>	Talang queen fish	Chhaliyo	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
87	<i>Carax para</i>	Golden scad	Katari	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
88	<i>Carangoides malabaricus</i>	Malabar travelly	Khadava	-	+	+	+	+	-	+	+	+	+	+	+	+	+	+	+
Barracuda																			
89	<i>Sphyraena obtusata</i>	Obtuse barracuda	Kund	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
90	<i>Sphyraena jello</i>	Gaint sea pike, Barracuda	Jira/Kund	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Sole fish																			
91	<i>Cynoglossus lingua</i>	Long tongue Sole	Moti Jibh	+	+	+	+	+	+	+	+	-	-	+	+	+	+	+	+
92	<i>Zebrias quagga</i>	Zebra Sole	Jibh	-	+	+	+	+	+	+	-	-	-	+	+	+	+	+	+
Flying fishes																			
93	<i>Hirundichthys coromandensis</i>	Indian flying fish	Pankhiya Jira	-	-	-	-	-	-	-	-	-	-	-	-	+	+	-	-
Full beak																			
94	<i>Hemiramphus far</i>	Black barred half beak	Kunga	-	-	+	+	-	--	-	-	-	-	-	-	-	+	+	-
Other fish																			
95	<i>Lethrinus ornatus</i>	Ornate emperor bream	Dhamil	+	+	+	+	+	+	+	-	-	-	-	-	+	+	+	+
96	<i>Harpodon nehereus</i>	Bombay duck	Bumbala	+	+	+	+	+	+	+	+	+	+	-	-	-	+	+	+
97	<i>Platycephalus indicus</i>	Indian flathead	Khukhari	-	+	+	+	+	+	-	-	-	-	-	+	+	+	+	+
98	<i>Lactarius lactarius</i>	White fish	Pasa	+	-	+	+	-	+	-	-	-	-	-	+	+	+	+	+
99	<i>Rachycentron canadum</i>	Cobia	Sakaro	+	-	-	-	-	-	-	-	-	-	-	-	-	+	+	+
100	<i>Mene maculata</i>	Moon fish	Chandaliyo	-	+	+	+	+	+	-	-	-	-	-	-	+	+	+	+
101	<i>Coryphaena hippurus</i>	Dolphin fish	Apanus	-	+	+	+	-	-	-	-	-	-	-	+	+	+	+	+
102	<i>Mugil cephalus</i>	Grey mullet	Boi	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

103	<i>Remora remora</i>	Sucker fish	Meghar	+	+	+	+	+	+	+	-	-	-	+	+	+	+	+
104	<i>Terapon jarbua</i>	Jarbua terapon	Krokar	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
105	<i>Gerres filamentosus</i>	Whipfin majorra	Tondyu	-	-	+	+	+	+	-	-	-	-	-	-	+	+	+
106	<i>Drepane punctala</i>	Spotted sicklefish	Dafaniyo	+	+	+	-	+	+	+	-	-	-	-	+	+	+	+
107	<i>Lutjanus johni</i>	Golden snapper	Raja	+	+	+	+	+	-	-	-	-	-	-	-	+	+	+
108	<i>Nemipterus japonicus</i>	Thread fin breams	Lal Machhala, <i>Lal pari</i>	+	+	+	+	+	+	+	+	-	+	+	+	+	+	+
109	<i>Priacanthus hamrur</i>	Bull's eye	Dorara	+	+	+	+	+	+	+	+	-	+	+	+	+	+	+
110	<i>Upeneus sulphureus</i>	Yellow goat fish	Khota Lal Machhala	+	+	+	+	+	+	+	-	-	+	+	+	+	+	+
111	<i>Aluterus monoceros</i>	Unicorn leatherjacket	Gagida/Champal	+	+	+	+	+	-	+	-	-	-	-	+	+	+	+
112	<i>Trachinotus blochii</i>	Pompano	Duplicate Paplet	-	-	+	+	-	-	-	-	-	-	-	-	+	+	+
113	<i>Sillago sihama</i>	Silver sillago	Gomati	+	+	+	+	+	+	-	-	-	-	-	-	+	+	+

## References

- FAO. FAO species identification sheet. Food and agriculture organization of the United Nations. Denmark, 2006.
- Gohel J, Solanki JB, Zofair SM, Parmar HL and Dodia AR, MAIKULAP (Fish Biryani): The most favourite dish of Saurashtra coast, particularly among fisher community. Fishing Chimes. 2012; 32(2):34-35.
- Johri S, Solanki J, Cantu V, Fellows S, Edwards R, Moreno I *et al.*, 'Genome skimming' with the Min ION hand-held sequencer identifies CITES-listed shark species in India's exports market. Scientific reports. 2019; 9:4476.
- Solanki Jitesh, Scientific, English and Local names of commercially available fishes in Gujarat, Extension Pamphlet, College of Fisheries, Junagadh Agricultural University, Veraval. 2013, 1-8.