

APPENDIX 3

PRELIMINARY RESULTS OF MICROSCOPIC OBSERVATION ON DERMAL DENTICLES OF SHARK FINS

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**SHARKS AND RAY SPECIES USED FOR DERMAL DENTICLES STUDY
DURING 2004**

No	Family/Species	Sex	Total Length (cm)	Body Weight (kg)
	Family Sphyrnidae			
1.	<i>Sphyrna lewini</i>	♀	50.5	0.6
2.	<i>Sphyrna lewini</i>	♀	50.2	0.6
3.	<i>Sphyrna lewini</i>	♂	89.4	3.1
4.	<i>Sphyrna lewini</i>	♂	46.4	0.4
5.	<i>Sphyrna lewini</i>	♂	44.0	0.6
6.	<i>Sphyrna lewini</i>	♀	59.5	1.1
7.	<i>Sphyrna lewini</i>	♂	56.2	0.8
8.	<i>Sphyrna mokarran</i>	♂	73.4	1.0
9.	<i>Sphyrna mokarran</i>	♂	197	33
	Family Carcharhinidae			
10.	<i>Carcharhinus amblyrhynchoides</i>	♀	90.2	5.6
11.	<i>Carcharhinus amblyrhynchoides</i>	♀	83.2	4.2
12.	<i>Carcharhinus amblyrhynchoides</i>	♀	80.2	3.7
13.	<i>Carcharhinus amblyrhynchoides</i>	♂	107	NA
14.	<i>Carcharhinus amblyrhynchoides</i>	NA	NA	NA
15.	<i>Carcharhinus leucas</i>	NA	NA	NA
16.	<i>Carcharhinus leucas</i>	NA	NA	NA
17.	<i>Carcharhinus sorrah</i>	♀	84.8	2.6
18.	<i>Carcharhinus sorrah</i>	♂	83.8	2.8
19.	<i>Carcharhinus sorrah</i>	♀	83.4	2.9
20.	<i>Carcharhinus sorrah</i>	♀	88.2	3.4
21.	<i>Carcharhinus sorrah</i>	NA	NA	NA
22.	<i>Carcharhinus sorrah</i>	♂	86.1	3.3
23.	<i>Carcharhinus sorrah</i>	♀	91.3	4.2
24.	<i>Loxodon macrorhinus</i>	♂	74.6	1.2
25.	<i>Loxodon macrorhinus</i>	♂	73.8	1.4
26.	<i>Loxodon macrorhinus</i>	♂	78	1.4
27.	<i>Loxodon macrorhinus</i>	♀	74.4	1.5
28.	<i>Loxodon macrorhinus</i>	♀	64.1	0.7
29.	<i>Loxodon macrorhinus</i>	♀	70.4	1.2
30.	<i>Loxodon macrorhinus</i>	♀	57.7	0.6
31.	<i>Rhizoprionodon acutus</i>	♂	84.6	2.1
32.	<i>Rhizoprionodon acutus</i>	♀	57.2	0.8
33.	<i>Rhizoprionodon acutus</i>	♂	52.8	0.6
34.	<i>Rhizoprionodon acutus</i>	♀	51.6	0.6
35.	<i>Rhizoprionodon acutus</i>	♂	49.0	0.5
36.	<i>Rhizoprionodon acutus</i>	♀	54.6	0.7
37.	<i>Rhizoprionodon acutus</i>	♀	52.8	0.6
38.	<i>Rhizoprionodon acutus</i>	♂	85.2	2.8
39.	<i>Rhizoprionodon acutus</i>	♂	72.7	1.3
40.	<i>Rhizoprionodon acutus</i>	♀	87.1	3.5
41.	<i>Carcharhinus sealei</i>	♀	70	1.2
42.	<i>Carcharhinus sealei</i>	♂	41	0.3
43.	<i>Carcharhinus sealei</i>	♂	67	1.4
44.	<i>Carcharhinus sealei</i>	♂	53.5	0.7
45.	<i>Carcharhinus sealei</i>	♀	57.4	0.9
46.	<i>Carcharhinus sealei</i>	♀	45	0.4

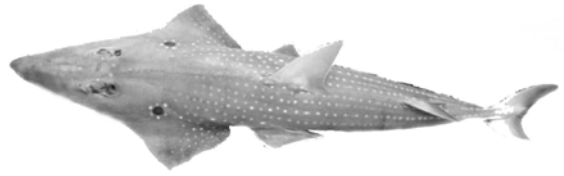
47.	<i>Carcharhinus dussumieri</i>	♀	44.3	0.4
48.	<i>Carcharhinus maclohi</i>	NA	NA	NA
49.	<i>Carcharhinus borneensis</i>	NA	NA	NA
50.	<i>Lamnaopsis temmnicki</i>	NA	NA	NA
51.	<i>Scoliodon laticaudus</i>	NA	NA	NA
	FAMILY HEMIGALEIDAE			
52.	<i>Hemigaleus microstoma</i>	♀	39.6	0.2
53.	<i>Hemigaleus microstoma</i>	♀	47.1	0.3
54.	<i>Hemigaleus microstoma</i>	♂	51.0	0.4
55.	<i>Hemigaleus microstoma</i>	♂	50.0	0.4
56.	<i>Hemigaleus microstoma</i>	♀	61.8	0.8
57.	<i>Hemigaleus microstoma</i>	♂	98	4.0
58.	<i>Hemigaleus microstoma</i>	♀	84.3	2.4
59.	<i>Hemigaleus microstoma</i>	♀	75.3	1.4
	HEMISCYLLIDAE			
60.	<i>Chiloscyllium plagiosum</i>	♀	82.1	1.7
61.	<i>Chiloscyllium indicum</i>	♀	58.5	0.6
62.	<i>Chiloscyllium hasselti</i>	NA	NA	NA
	STEGOSTOMATIDAE			
63.	<i>Stegostoma fasciatum</i>	NA	NA	NA
	RHINIDAE			
64.	<i>Rhynchobatus australiae</i>	♀	76.2	1.92

Note NA: Information not available.

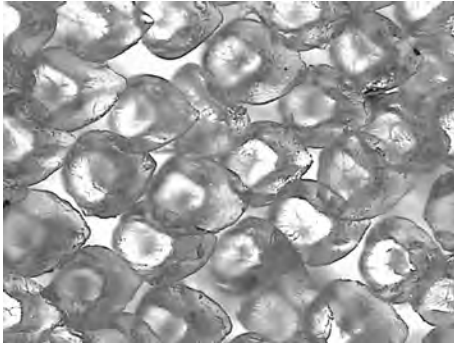
Results

Rhynchobatus australiae (Whitley, 1939)

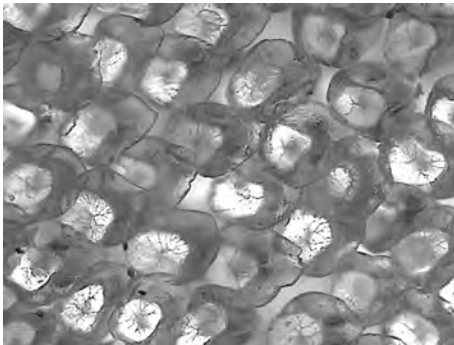
English name: White-spotted guitarfish



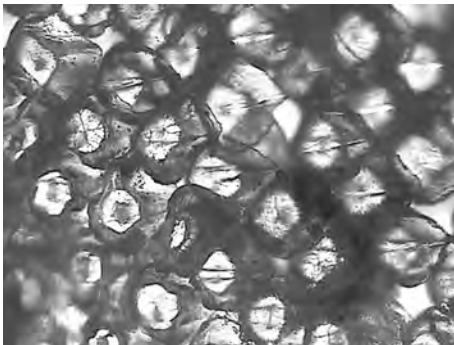
WET FINS



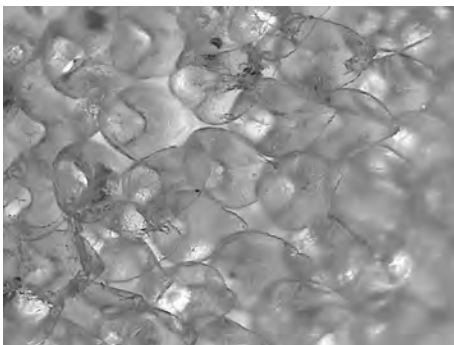
First dorsal fin



Second dorsal fin

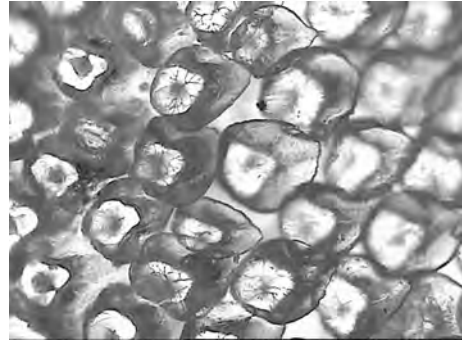


Pelvic fin

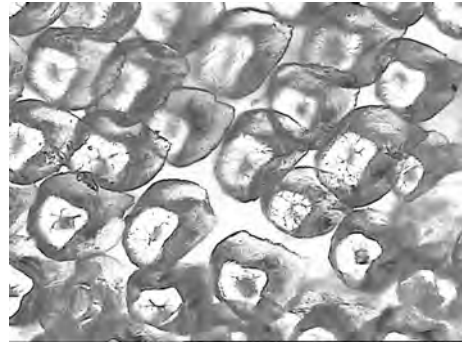


Lower lobe of caudal fin

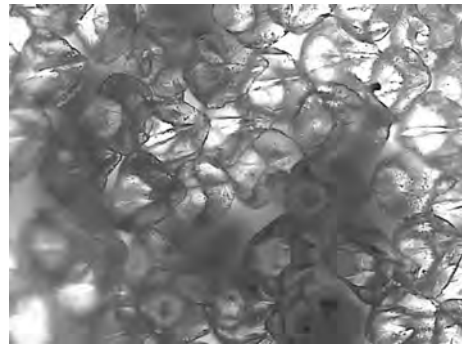
DRIED FINS



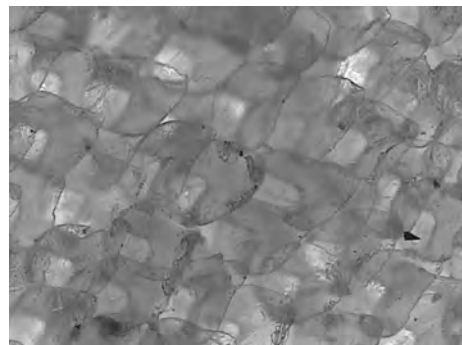
First dorsal fin



Second dorsal fin

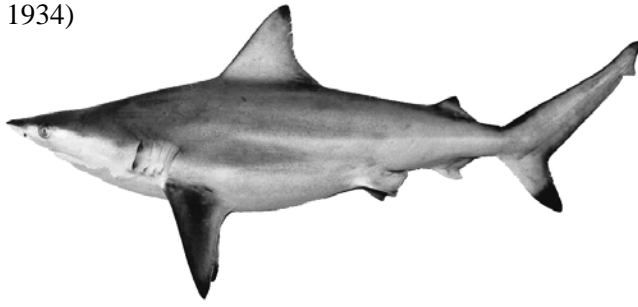


Pelvic fin

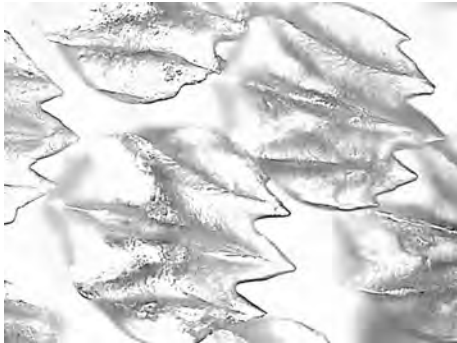


Lower lobe of caudal fin

Carcharhinus amblyrhynchoides (Whitley, 1934)
English name: Graceful shark
Female; TL 90 cm; BW 5.5 kg

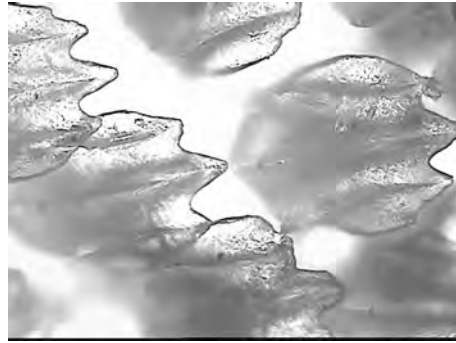


WET FINS

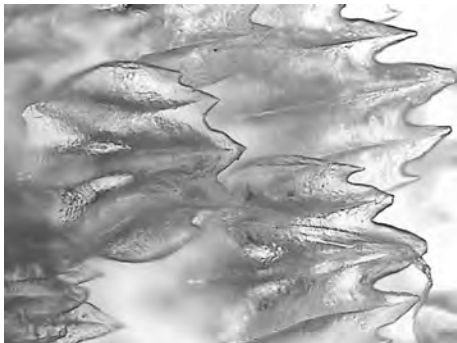


Dorsal fin

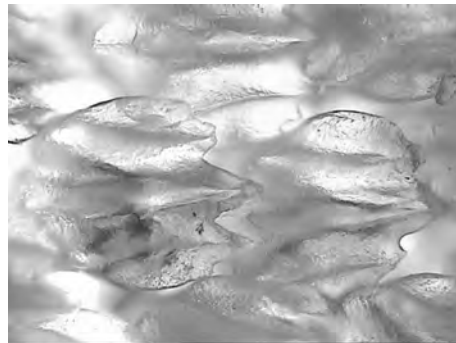
DRIED FINS



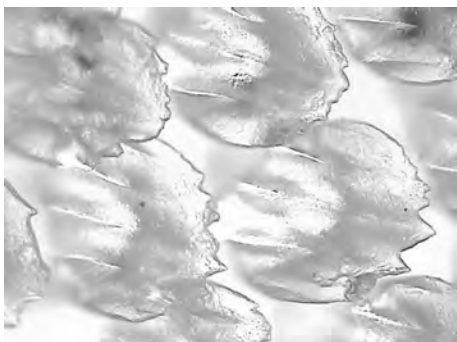
Dorsal fin



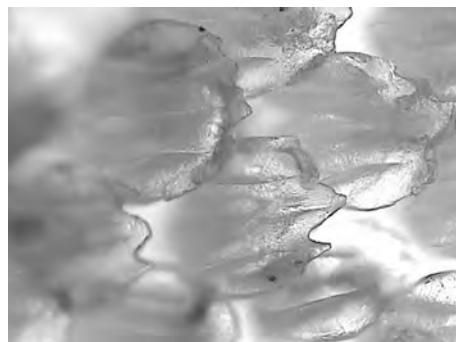
Pectoral fin



Pectoral fin

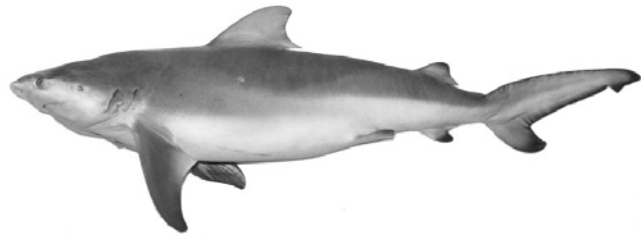


Lower lobe of caudal fin

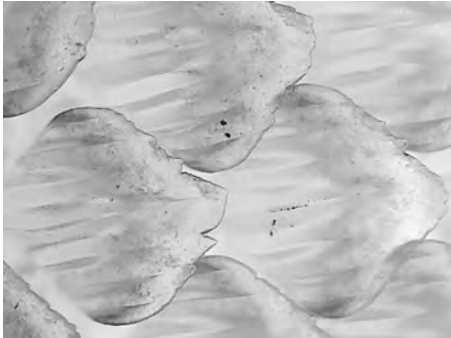


Lower lobe of caudal fin

Carcharhinus leucas (Valenciennes in Müller and Henle, 1839)
English name: Bull shark

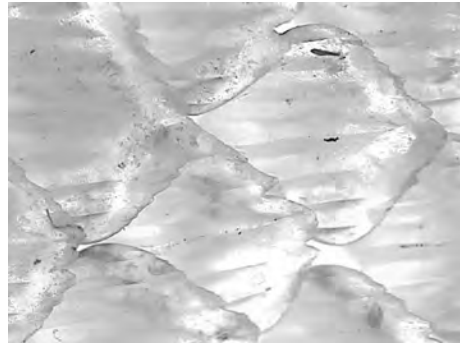


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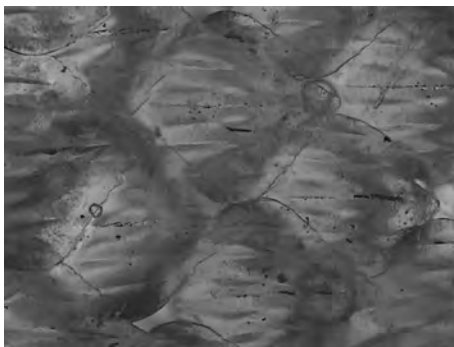


Dorsal fin

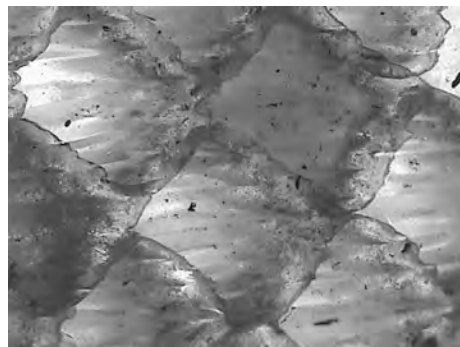
DRIED FINS



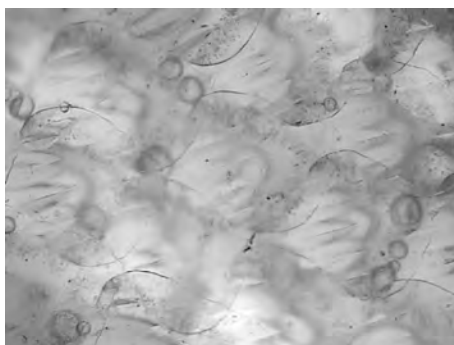
Dorsal fin



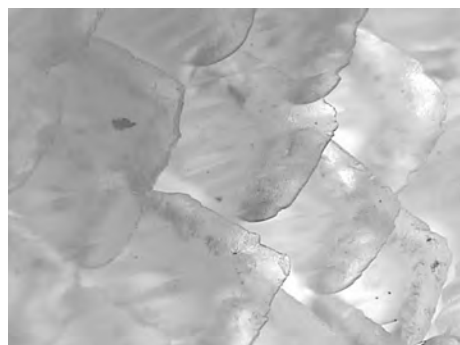
Pectoral fin



Pectoral fin

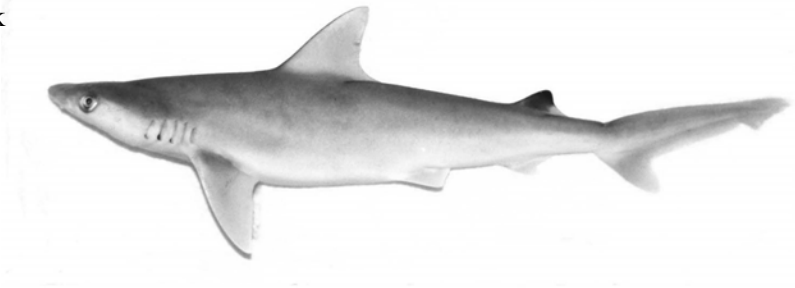


Lower lobe of caudal fin

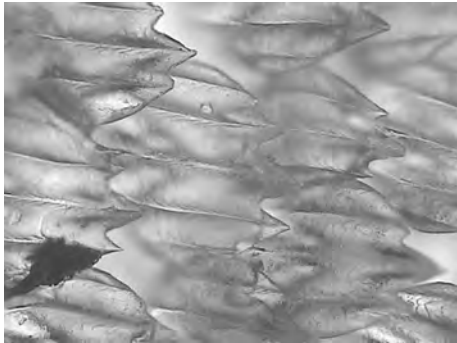


Lower lobe of caudal fin

Carcharhinus sealei (Pietschmann, 1916)
English name: Blackspot shark
Female, TL 70 cm, BW 1.2 kg

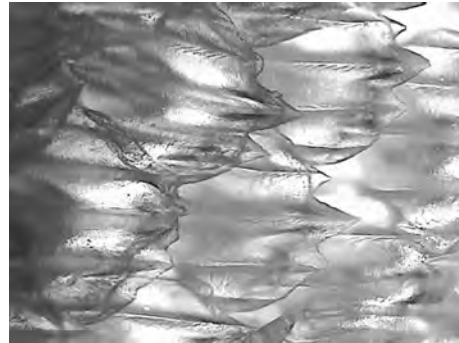


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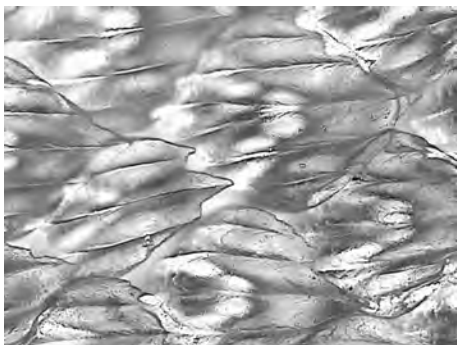


Dorsal fin

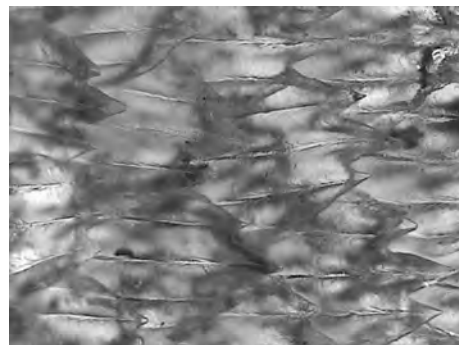
DRIED FINS



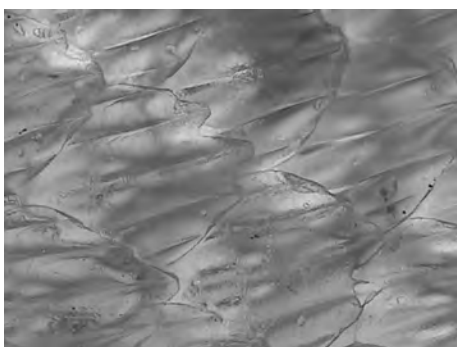
Dorsal fin



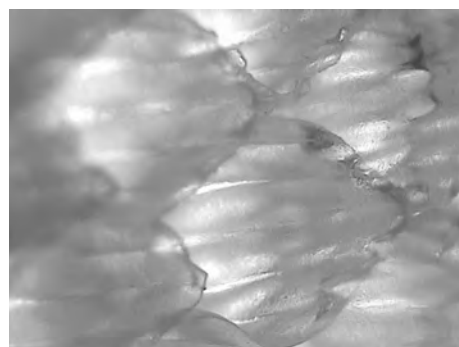
Pectoral fin



Pectoral fin

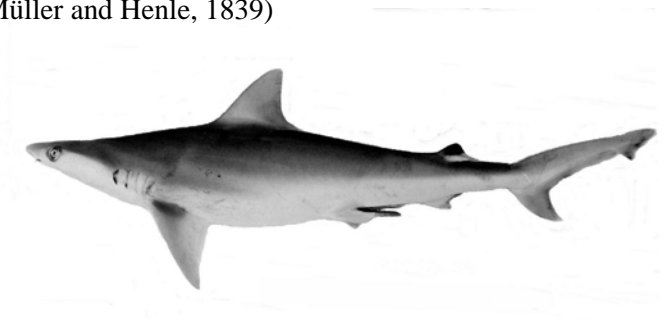


Lower lobe of caudal fin

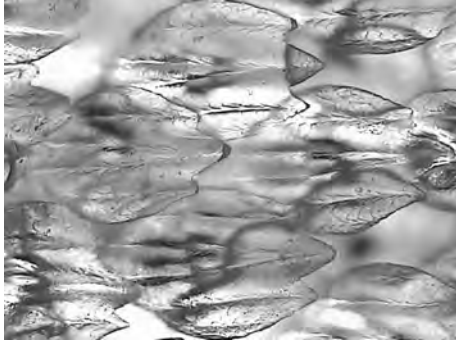


Lower lobe of caudal fin

Carcharhinus dussumieri (Valenciennes in Müller and Henle, 1839)
English name: Whitecheek shark
Female, TL 44 cm, BW 45 gm

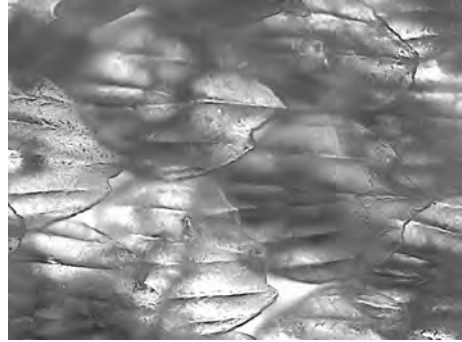


WET FINS

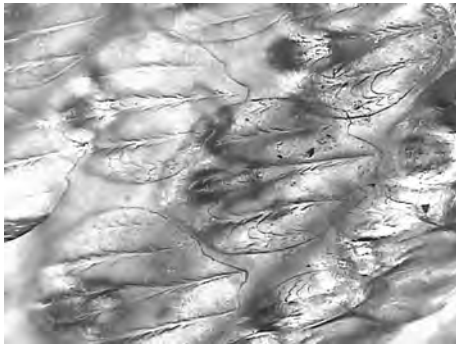


Dorsal fin

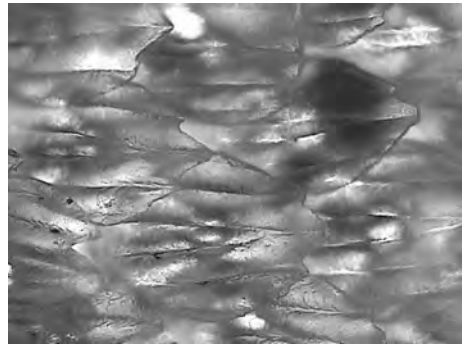
DRIED FINS



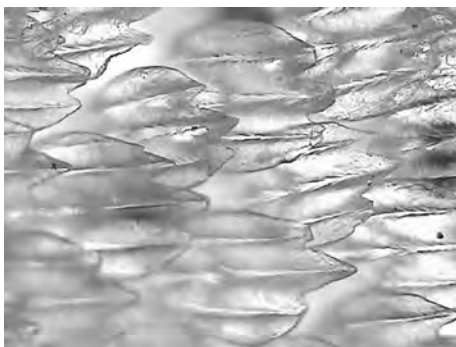
Dorsal fin



Pectoral fin



Pectoral fin



Lower lobe of caudal fin

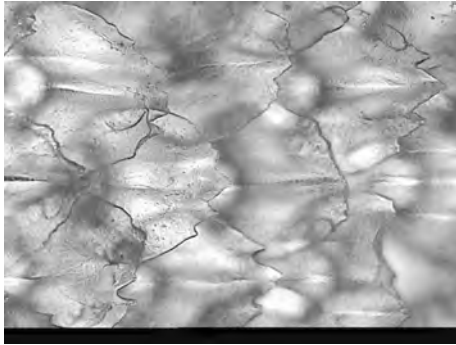


Lower lobe of caudal fin

Carcharhinus macroti (Müller and Henle, 1839)
English name: Hardnose shark



Note: Only dried fins available



Dorsal fin

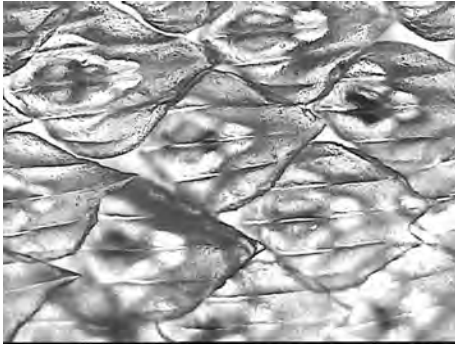


Pectoral fin

Loxodon macrorhinus Müller and Henle, 1839
English name: Sliteye shark
Female, TL 74 cm, BW 1.48 kg

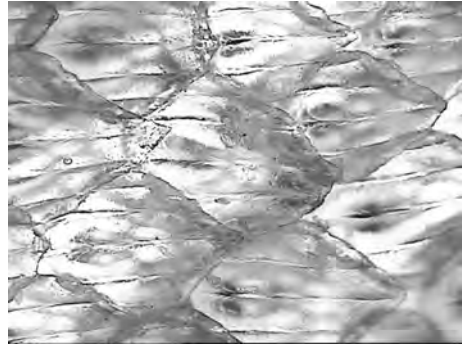


WET FINS



Dorsal fin

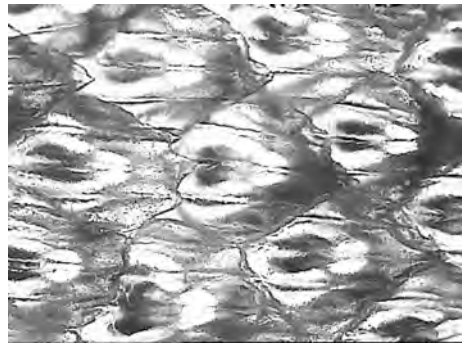
DRIED FINS



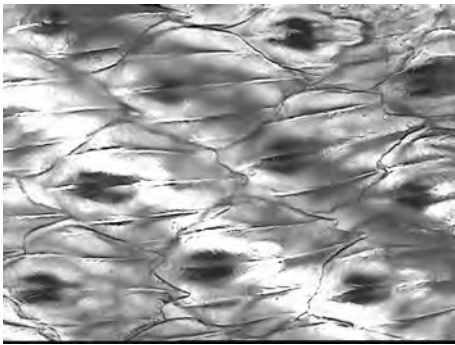
Dorsal fin



Pectoral fin



Pectoral fin

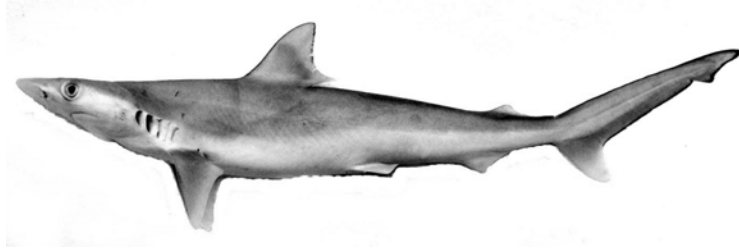


Lower lobe of caudal fin

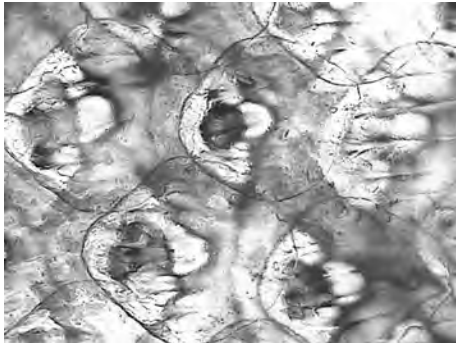


Lower lobe of caudal fin

Rhizoprionodon acutus (Rüppell, 1837)
English name: Milk shark
Male, TL 85 cm, BW 2.1 kg

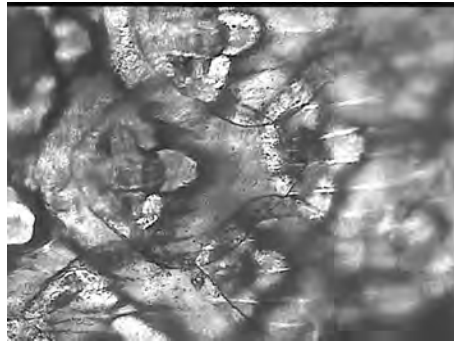


WET FINS

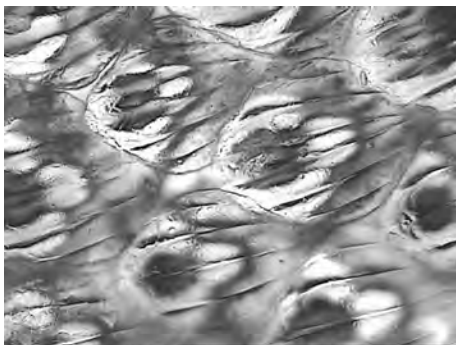


Dorsal fin

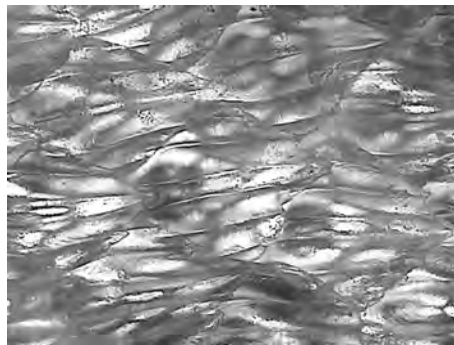
DRIED FINS



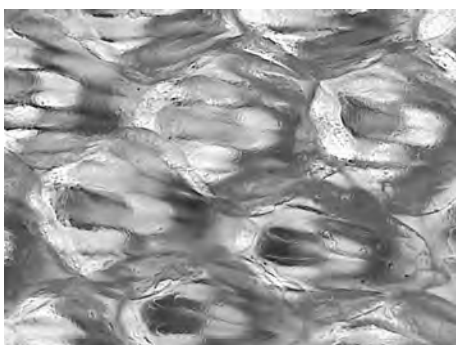
Dorsal fin



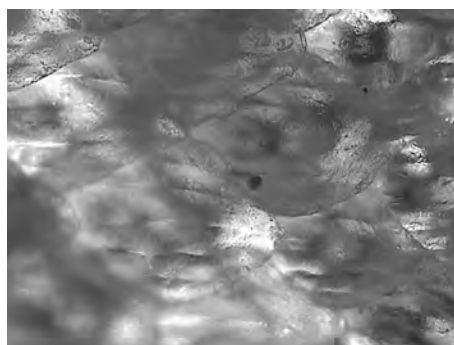
Pectoral fin



Pectoral fin



Lower lobe of caudal fin

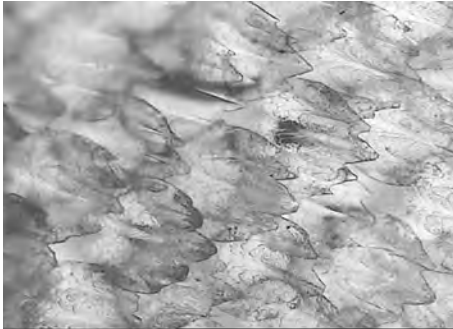


Lower lobe of caudal fin

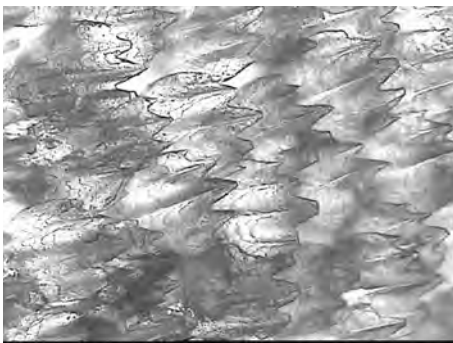
Sphyrna mokarran (Rüppell, 1837)
English name: Great hammerhead shark
Male; TL 73 cm, BW 1.04 kg



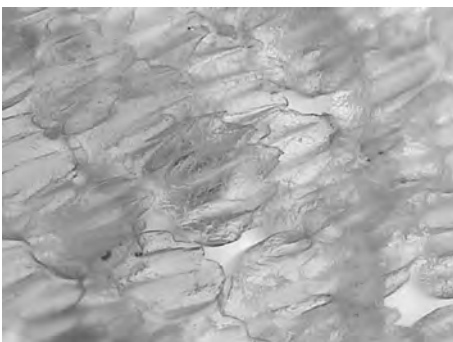
WET FINS



Dorsal fin

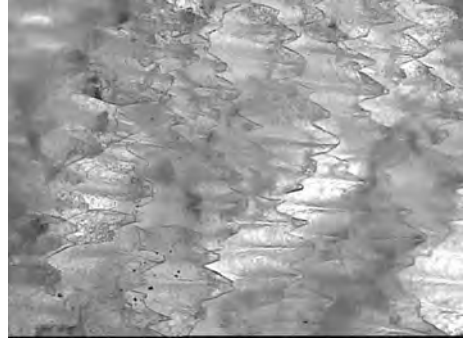


Pectoral fin

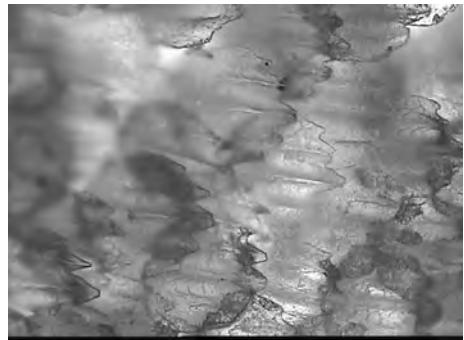


Lower lobe of caudal fin

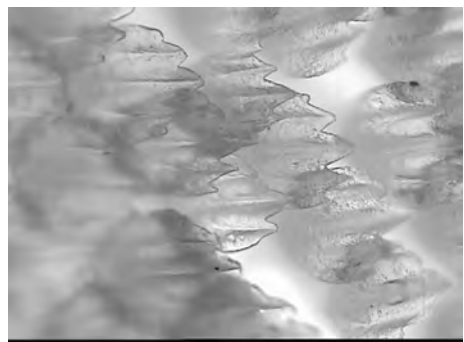
DRIED FINS



Dorsal fin



Pectoral fin

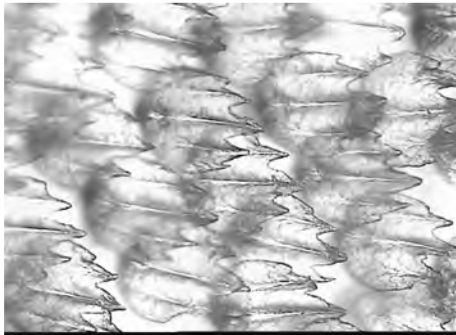


Lower lobe of caudal fin

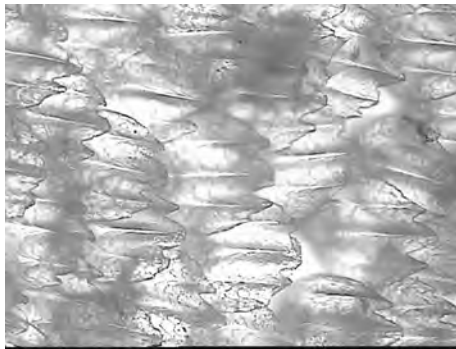
Sphyrna lewini (Griffith and Smith, 1834)
English name: Scalloped hammerhead shark
Female; TL 50 cm; BW 625 gm



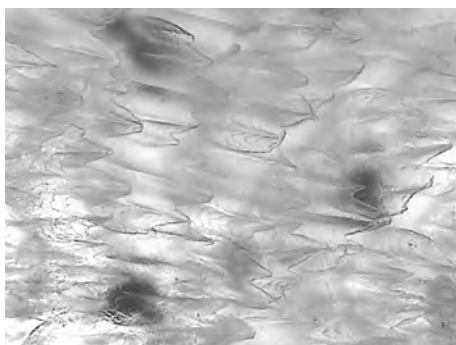
WET FINS



Dorsal fin

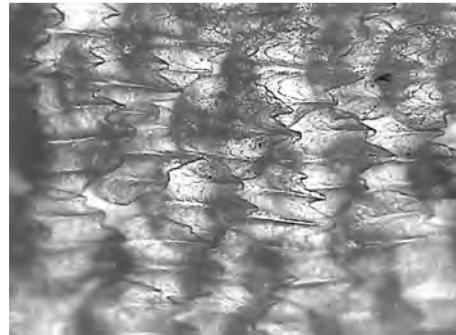


Pectoral fin

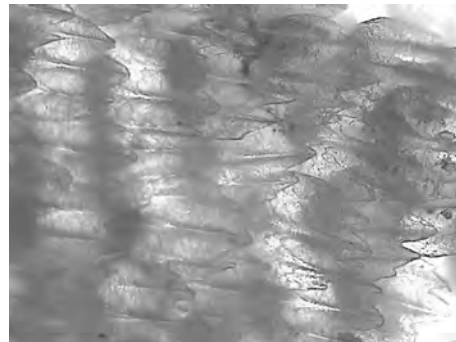


Lower lobe of caudal fin

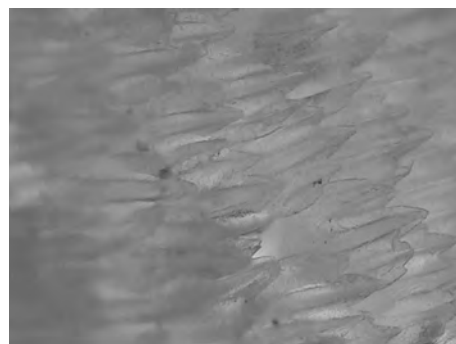
DRIED FINS



Dorsal fin

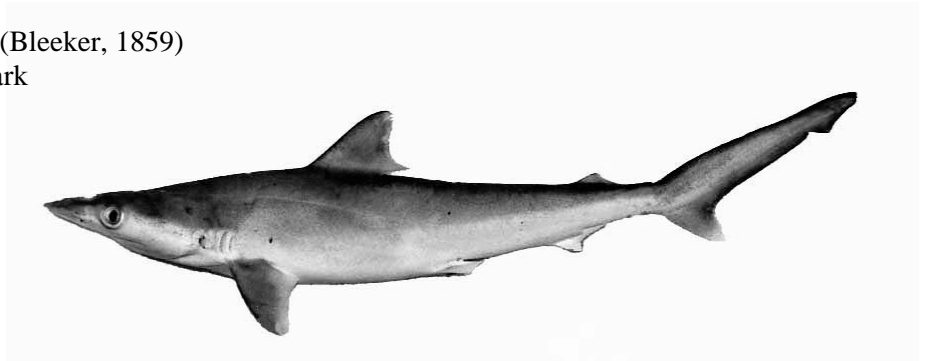


Pectoral fin

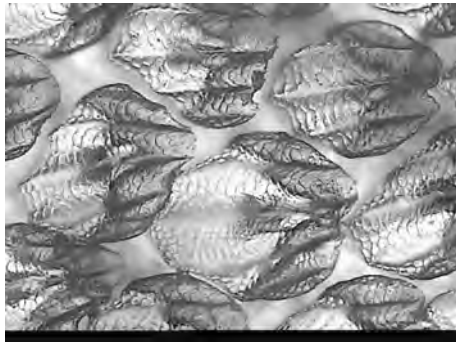


Lower lobe of caudal fin

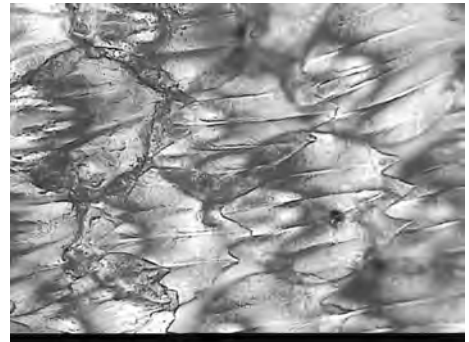
Carcharhinus borneensis (Bleeker, 1859)
English name: Borneo shark



Note: Only dried fins available

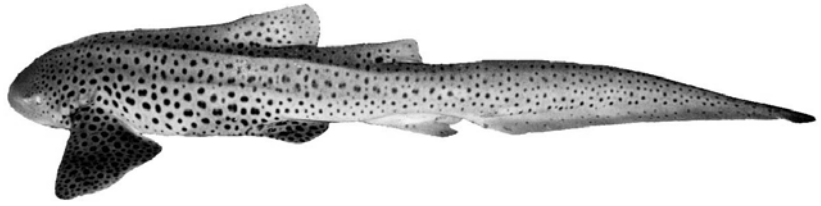


Dorsal fin

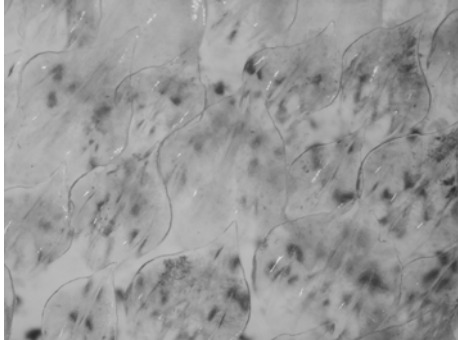


Pectoral fin

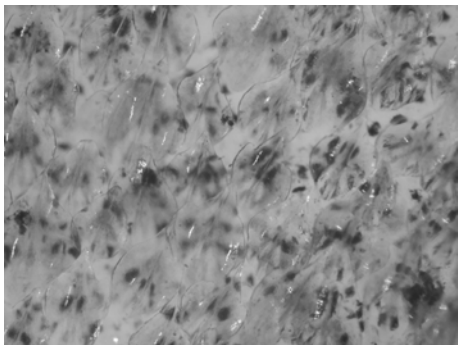
Stegostoma fasciatum (Hermann, 1783)
English name: Zebra shark



WET FINS

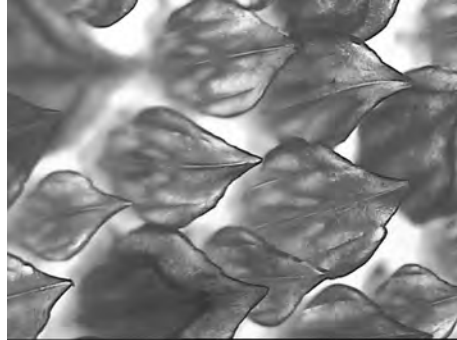


Dorsal fin

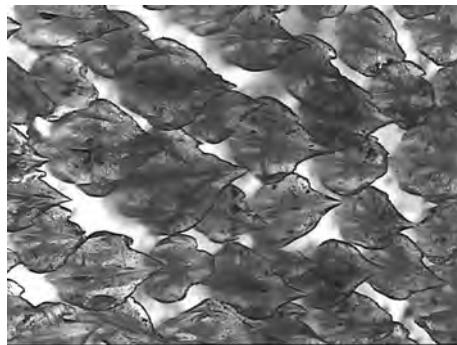


Pectoral fin

DRIED FINS

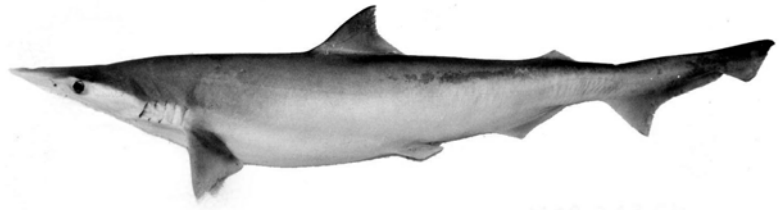


Dorsal fin

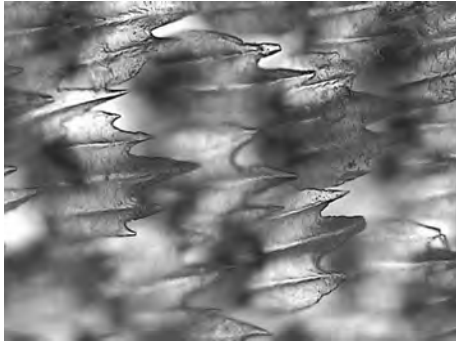


Pectoral fin

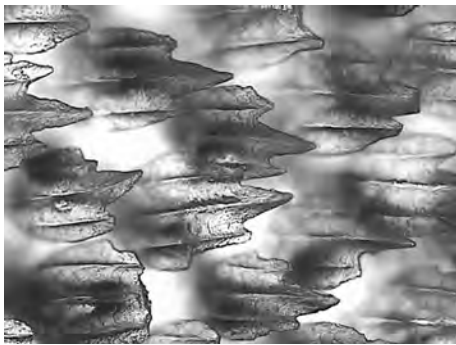
Scoliodon laticaudus Müller and Henle, 1838
English name: Spadenose shark



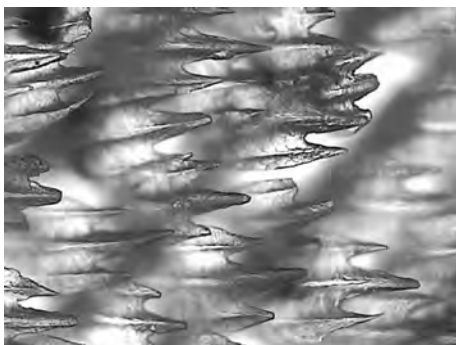
WET FINS



Dorsal fin

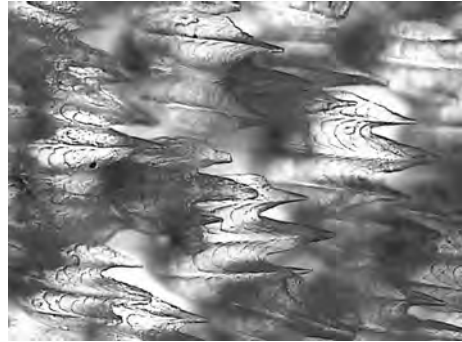


Pectoral fin

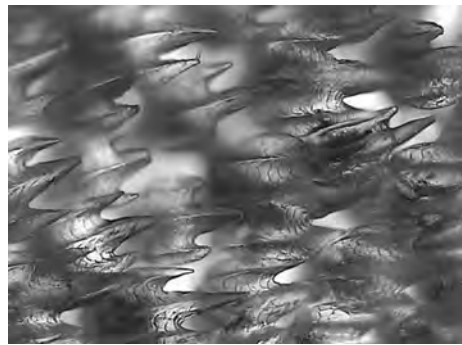


Lower lobe of caudal fin

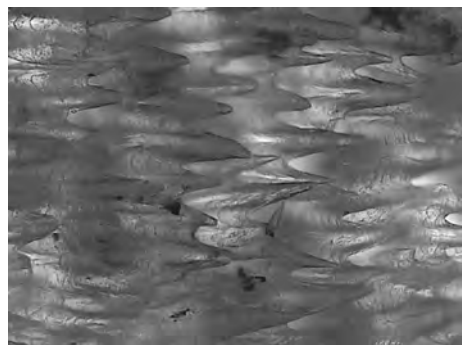
DRIED FINS



Dorsal fin



Pectoral fin



Lowerlobe caudal fin

Lamiopsis temmincki (Müller and Henle, 1839)
English name: Broadfin shark.



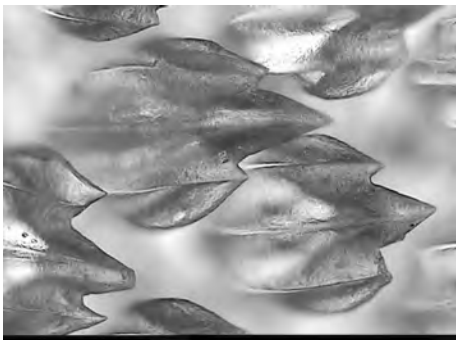
Lamiopsis temmincki

Note: Only dried fins available

DRIED FINS

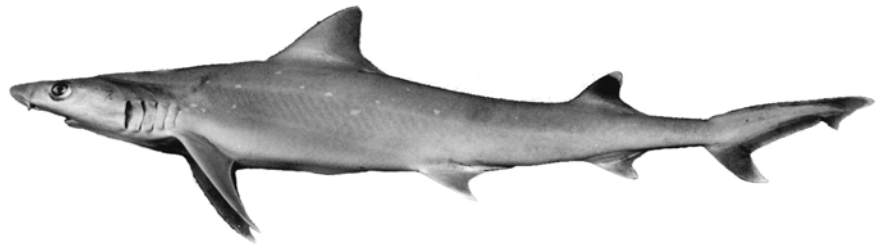


Dorsal fin

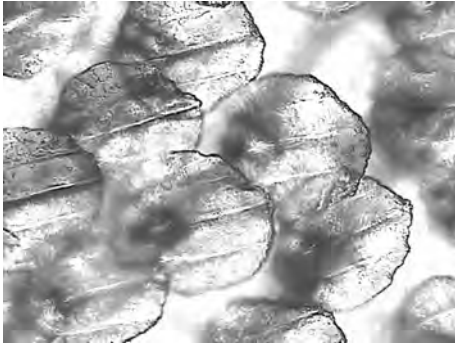


Pectoral fin

Hemigaleus microstoma Bleeker, 1852
English name: Weasel shark

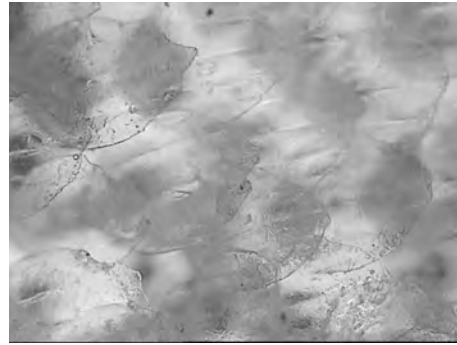


WET FINS

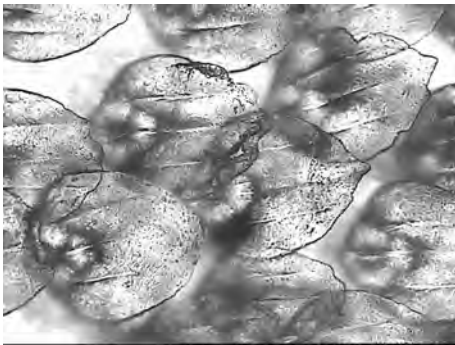


Dorsal fin

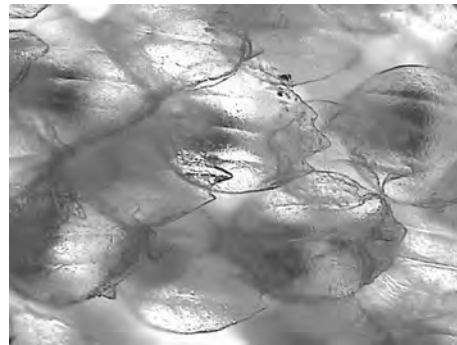
DRIED FINS



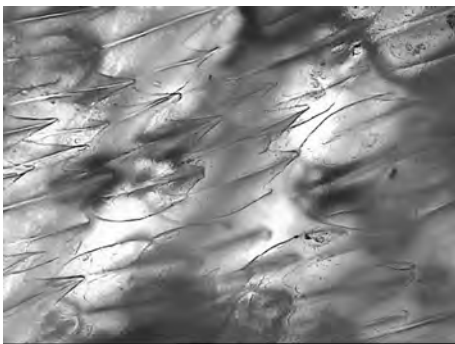
Dorsal fin



Pectoral fin



Pectoral fin



Lower lobe of caudal fin

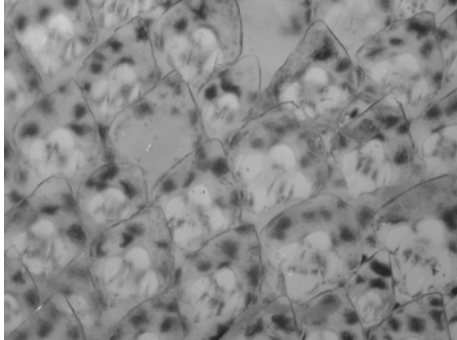


Lower lobe of caudal fin

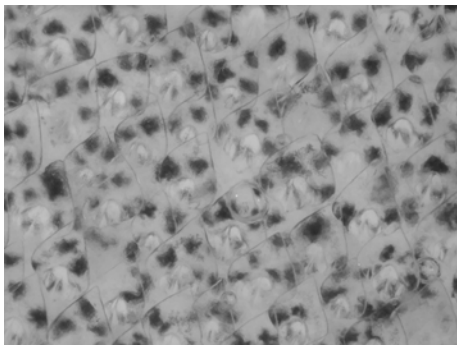
Chiloscyllium hasselti Bleeker, 1852
English name: Indonesian bamboo shark.



WET FINS



Dorsal fin

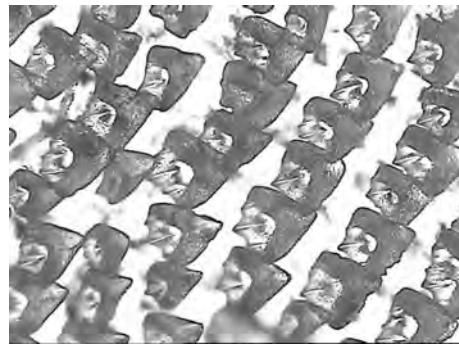


Pectoral fin

DRIED FINS

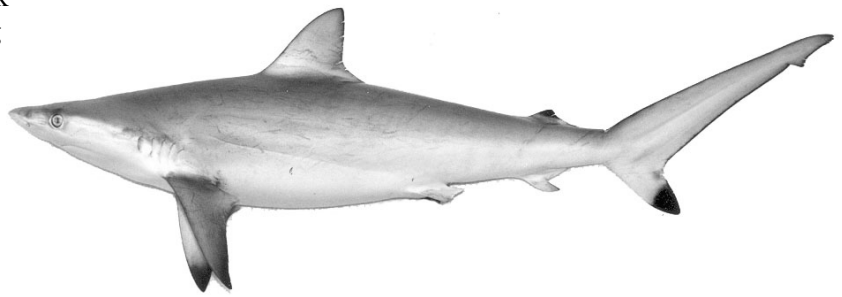


Dorsal fin

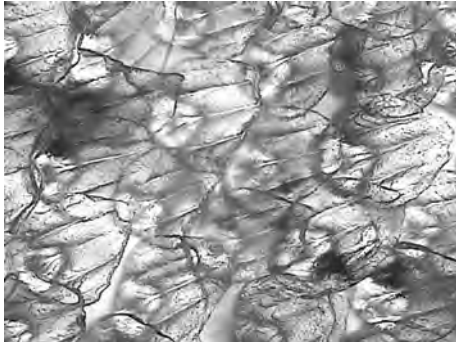


Pectoral fin

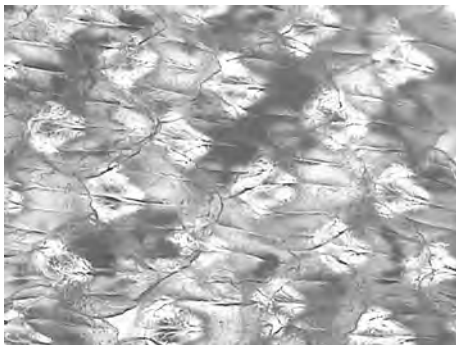
Carcharhinus sorrah (Valenciennes in Müller and Henle, 1839)
English names: Spot-tail shark
Female, TL85 cm, BW 2.6 kg



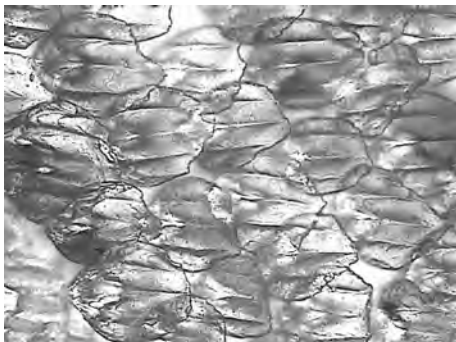
WET FINS



Dorsal fin

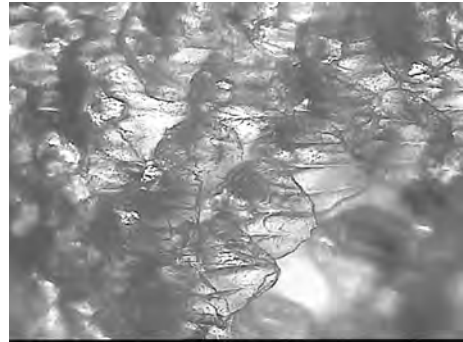


Pectoral fin

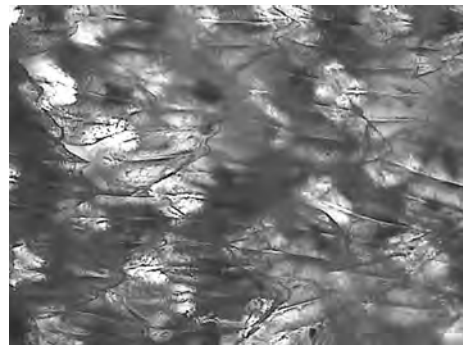


Lower lobe of caudal fin

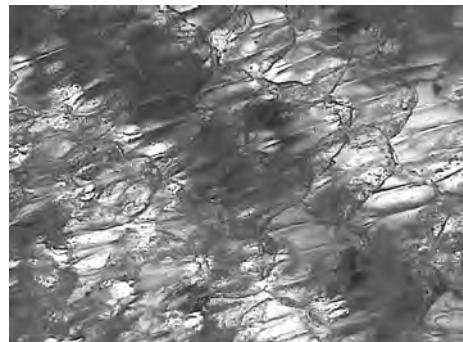
DRIED FINS



Dorsal fin



Pectoral fin

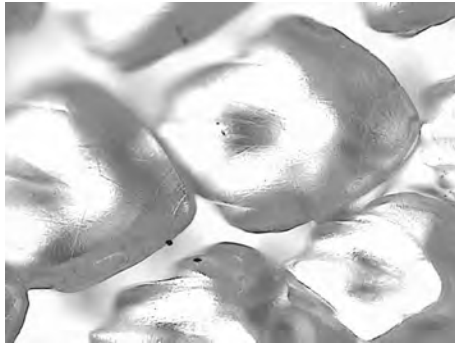


Lower lobe of caudal fin

Chiloscyllium plagiosum (Bennett, 1830)
English name: Whitespotted bambooshark
Female, TL 82 cm, BW 1.7 kg

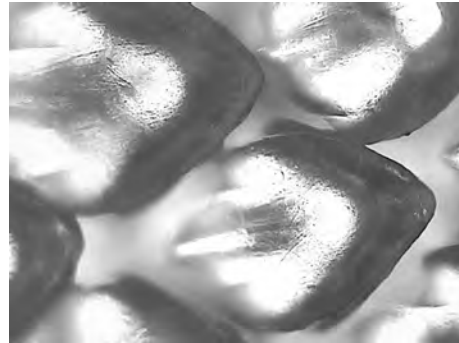


WET FINS

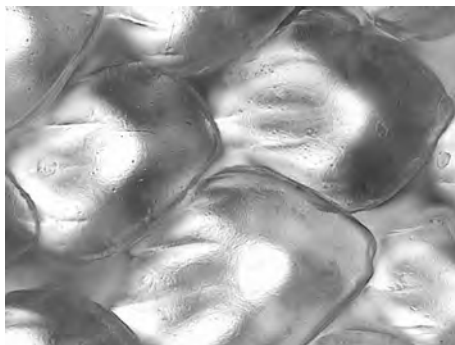


Dorsal fin

DRIED FINS



Dorsal fin



Pectoral fin

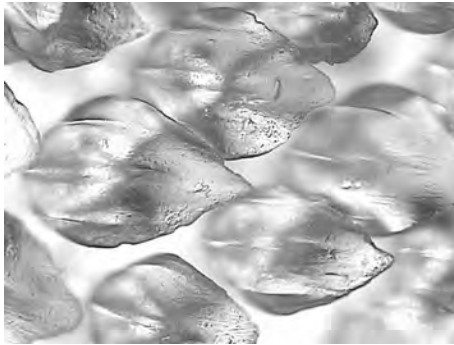


Pectoral fin

Chiloscyllium indicum (Gmelin, 1789)
English name: Slender bambooshark
Female, TL 59 cm, BW 550 gm

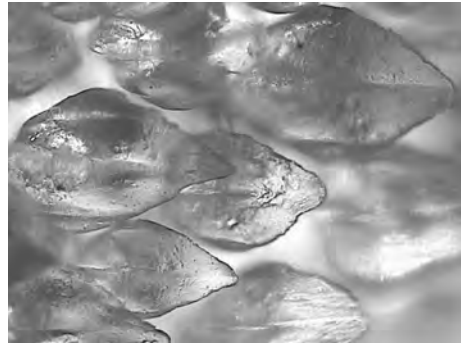


WET FINS

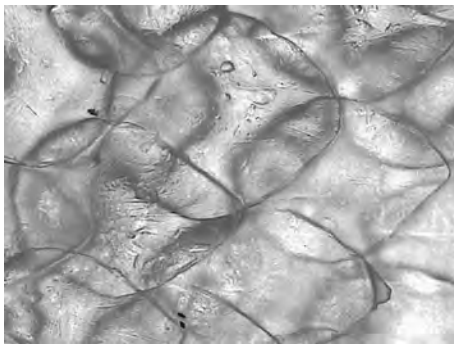


Dorsal fin

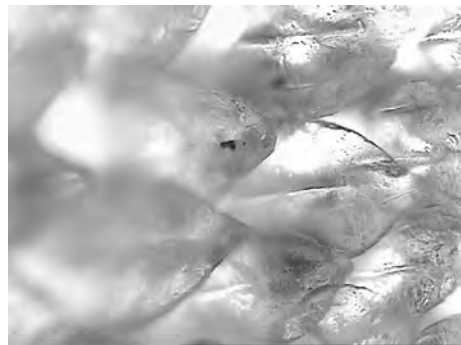
DRIED FINS



Dorsal fin



Pectoral fin



Pectoral fin