

SQUALIDAE

Two dorsal fins; eyes lateral; 5 gill openings anterior to pectoral origin; nictitating membrane absent.

1 - Spine at anterior margin of dorsal fins.

Squalus acanthias (Linnaeus, 1758)

Spiny dogfish

Range: Bering Sea – Baja California; Circumboreal; Japan

0-448m

Fig. Baxter #505,929

Castro, 1983:55

Eschmeyer, et al, 1983: fig.3(8) teeth

Hart, 173:44, fig.

Notes: NODC #8710010201; NMFS #00310

Slate gray or brown dorsally, lighter ventrally; row or 2 of light, pupil sized, spots laterally on juveniles, to at least total length of 944.

Interorbital space convex; single lateral keel on caudal peduncle; single spine at origin of both dorsal fins; premouth length 48.2-49.7% HL; flattened jaw teeth form a continuous cutting edge, 24 teeth in lower jaw, 28 in upper jaw.

TL - 1600, Wt. 9.1kg

FL = 88.0-89.5% TL

SL = 92.1-93.1% TL

Vert 96-118

D I ++ + I ++

Spiracle L 9.4% HL

InSpir W 35.1% HL

InNasal W 21.8% HL

Head L 1st gill 19.6% SL

5th gill 25.2% SL

Body D 15.8-22.2% SL

PreD 1st L 38.0% SL

Snout L 36.9-39.3% HL

PreMouth L 48.2-49.7% HL

Orbit L 21.1-23.0% HL

Eye L 12.2-12.9% HL

InOrb W 31.6-32.9% HL

CaudPed D 12.5-13.8% HL

SQUALIDAE

1 - Dorsal fins without spines.

Somniosus pacificus (Bigelow & Schroeder, 1944)

Pacific sleeper shark

Range: Bering Sea – Baja California

0-2000m

Fig. : Baxter #891,972

Castro, 1983:63

Eschmeyer, et al, 1983: fig.3(6) teeth

Notes NODC #8710010101; NMFS #00320

Solid dark blackish or dark brown to slate green with steaks.

Body flaccid, robust; cartilagenous bones very soft; low lateral keel on caudal peduncle.

Teeth in upper jaw in 38-40 lateral rows; upper jaw teeth thorn-like, lower teeth sharp edged forming a single cutting edge across the jaw.

Spiral valve turns 36

TL - 7600	Pec L 47.5% HL	Head L 1 st gill	23.1 % TL
(TL 2,748 Wt.224.1kg)		Head L 5 th gill	28.4-29.6% TL
FL 94.1% TL		Body D	23.6% TL
SL 97.1% TL		PreD L 1 st	51.0-52.1% TL
GR 0 + 0 + 9 = 9		PreD L 2 nd	69.5-73.8% TL
Vert 18 + 7 + 14 = 19-43		Snout L	30.4-31.4% HL
		PreLip L	29.7% HL
		PreMouth L	34.8% HL
		Mouth W	32.0% HL
		Orbit L	5.4-7.1% HL
		PreSpircle L	46.0% HL
		Spircle L	3.7% HL
		InSpir W	34.7% HL
		PreNasal L	13.1% HL
		InNasal W	13.2-14.7% HL
		InOrb W	33.7-40.5% HL
		CaudPed D	18.0% HL