

Marine Bait Fishes* Of Northern California**





Topsmelt

5 to 8 scales between dorsal fins Anal fin begins beneath first dorsal fin Teeth forked, in one row To 14.5 inches

Atherinidae: Silversides Family



Jacksmelt

10 to 12 scales between dorsal fins Anal fin begins behind first dorsal fin Teeth not forked, in two rows To 17.5 inches



California Grunion

Pacific Herring

No spots on sides

To 11 inches (in CA.)

Teeth tiny or absent Anal fin begins before first dorsal fin Spawns at night on sandy beaches To 7.5 inches



Night Smelt

(AKA: "night fish") Pectoral fin more than 1/2 distance to pelvic fin, jaw extends to rear of eye, night spawner To 9 inches (pectoral fins highlighted)



(AKA: "day fish") Pectoral fin less than 1/2 distance to pelvic fin, jaw extends to front of eye, day spawner To 11 inches (pectoral fins highlighted) Osmeridae: True Smelts



Northern Anchovy Round in cross section, large mouth To 9 inches



Jack Mackerel Lateral line curves down below second dorsal fin. Greenish blue in color, dark spot on gill cover. To 32 inches



Pacific Chub Mackerel Wavy bars on back, dorsal fins far apart, pectoral fins small; usually five dorsal and anal finlets. To 18 inches



Pacific Sanddab Ridge above lower eye, lateral line straight; often with orange spots To 6.25 inches



Pacific Tomcod Short chin barbel, 3 dorsal fins, two anal fins, olive above, white below, edges of fins dusky To 12 inches Miscellaneous Bait Fishes

American Shad

1 row of dark spots on sides, striations (parallel grooves) on gill covers (in adults), deep body, compressed. Belly sharply keeled. To 30 inches

Clupeidae: Herring Family



Shiner Perch

Faint yellow bars on sides Often speckled To 7 inches (See: Common Surfperches of CA.)

Embiotocidae: Surfperch Family



"V" shaped series of photopores (small white dots) on "chin," often found under rocks at low tide. May produce audible buzzing sound. To 15 inches Batrachoididae: Toadfish Family



1 to 2 rows of dark spots on sides

Striations (parallel grooves) on gill

covers, spindle shaped, belly weakly

Dwarf Perch

Pacific Sardine

keeled. To 16.25 inches

Black triangle at base of pectoral fin Irregular stripes crossed by dark bars Dark blotches on anal and dorsal fins To 6.25 inches



No striations (parallel grooves) on gill

covers, belly weakly keeled

Spotfin Surfperch Silvery Black spot on anal, dorsal and tips of

Black spot on anal, dorsal and tips of tail fins; often mistaken for shiner perch To 8 inches





Yellowfin Goby Eyes "frog-like," mouth small, yellow anal fin, tail barred. To 12 inches Gobiidae: Goby Family

Produced, designed, photographed by Kirk Lombard. Special thanks to Pete Anastole, Keith Fraser and Justin Morris for providing specimens.

* "Bait Fishes" is used here as a generic term for small or, in some cases, medium sized salt water species. Many of these "bait fishes" (surf smelt, jacksmelt, Pacific mackerel, etc) are pursued as sport fish in their own right and are not exclusively used for bait. As regulations for each of these may differ, please check the California Ocean Sport Fishing regulations booklet for rules regarding bag limits, closures, size limits and live bait restrictions, and then... go fishing!

** "Northern California" refers here to all ocean or bay waters between Pigeon Point in the south and the California-Oregon border in the north. Version 5. June 2009

Cottidae: Sculpin Family