

Salmo gairdneri. *Steelhead.*

Salmo mykiss. *Lake Trout.* A few seen which had been shipped from Oregon.

Salmo mykiss henshawi. *Lake Tahoe Trout.* Very common.

Atherinopsis californiensis. *Smelt.* During my visit this smelt was more or less abundant. It is popular and brings a good price. The specimens examined were in a spawning condition.

Sphyræna argentea. *Barracuda.* Reaches San Francisco from points south of that city, the bulk of the supply coming from the extreme southern part of the State.

Scomber colias. *Mackerel.* This fish, the bull's-eye or chub mackerel of the east coast, has great food value in San Francisco and always meets with ready sale. No large quantities were seen, but several boxes full were observed on a number of occasions between June 6 and 13. The fish weighs about 3 pounds, and sells in the markets at 10 to 20 cents a pound.

Sarda chilensis. *Bonito.* Weighs 10 to 15 pounds. Comes chiefly from the south.

Trachurus picturatus. *Horse-mackerel.* Not uncommon.

Oreynus alalonga. *Tunny.* A few observed that weighed 20 or 25 pounds.

Archoplites interruptus. *Perch.* One of the best fresh-water food-fishes of the coast. Its abundance has greatly decreased of late, and the price keeps correspondingly high, averaging more than double that of the chinook salmon. The greater part of the supply comes from the Sacramento River.

Roccus lineatus. *Striped Bass.* The most common name by which this fish is known on the east coast, viz, rockfish or rock, is fortunately never used in California, the designation rockfish being reserved for various species of *Sebasticthys*. The striped bass is found in the city markets at all seasons; in fact, there is not a day in the year when it may not be looked for. The average weight is 10 pounds, although a great many smaller fish are sold. In 1890 the board of supervisors of San Francisco County passed an ordinance making it unlawful to buy, sell, or have in possession any striped bass weighing less than 8 pounds. In 1891 the ordinance was amended reducing the minimum weight to 3 pounds.

Seriphus politus. *Kingfish.* A few seen every day, but no large quantities observed. The bulk of the receipts comes later in the summer.

Embiotocidae. *Perch; Salt-water Perch.* Numerous species of this interesting family were seen in the markets daily, the most abundant being *Ditrema jacksoni*, the black snuff-fish, and *Hysteroecarpus traski*, the "perch" of the fresh-water streams of this region. The boxes in which these fish are kept in the markets and the stalls on which they are exposed were littered with the young.

Hexagrammus decagrammus. *Sea Trout; Rock Trout.* Common.

Ophiodon elongatus. *Codfish.* Even at this late day there are many San Franciscans who believe the true cod is found in the waters immediately adjacent to the Golden Gate, and this fish, the cultus-cod, is sold by no other name than codfish in the markets of California. Indeed, I was approached by at least one dealer who wished me to state that the fish he had on his stall was a genuine cod. The fish is found in San Francisco Bay and in the adjacent sea at all times. Examples weighing 10 to 20 pounds were observed.

Sebasticthys, species. *Rockfish; Rock-cod.* The members of this genus are among the most abundant and important fish found in the markets. The annual sales are considerably over 1,000,000 pounds, the ruling market price being from 6 to 10 cents a pound. Several species of rockfish, in varying quantities, but usually abundant, were noticed every day. Those positively identified were the red rockfish (*S. ruber*), the most abundant species, the black rockfish (*S. mystinus*), the orange rockfish (*S. pinniger*), and the yellow-tailed rockfish (*S. flavidus*).

Microgadus proximus. *Tomcod.* The diminutiveness of the tomcod would naturally be expected to place it at a great disadvantage among the many large fishes of this coast having recognized food value. On the contrary, however, the sales are quite large and the prices are good, although much less than a few years ago.

Hippoglossus hippoglossus. *Halibut.* A few are taken by the San Francisco market fishermen, but the supply is always small and uncertain, and the price commanded by the fish is very high, running from 10 to 25 cents a pound. This condition of affairs offers a good opportunity for the establishment of a halibut fishery out of San Francisco, and it seems probable that a very remunerative fishery might in time be built up. In the early part of June, 1894, a vessel reached San Francisco from the banks off the northern coast with 75,000 pounds of fresh halibut.