**ATLANTIC COD (Gadus morhua)**

**COLOR:** Red-green dorsal and lateral surfaces, covered with red-brown spots. White ventral surface. White lateral line.

**FINS:** Three dorsal fins. Slightly forked caudal fin.

**HEAD:** Large chin barbel.

**PHOTO CREDIT:** NOAA / NMFS / NEFSC / Cooperative Research

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**HADDOCK (Melanogrammus aeglefinus)**

**COLOR:** Purple-gray dorsal surface. Silver-white ventral surface. Dark lateral line with a dark blotch behind the pectoral fin.

**FINS:** Three dorsal fins. Forked caudal fin.

**HEAD:** Small chin barbel.

**MAY BE CONFUSED WITH:** Pollock (pg. 34).

**PHOTO CREDIT:** NOAA / NMFS / NEFSC / Cooperative Research
POLLOCK *(Pollachius virens)*

**COLOR:** Olive-gray dorsal and lateral surfaces. White lateral line.

**FINS:** Three dorsal fins. Forked caudal fin.

**HEAD:** Very small chin barbel. Lower jaw projects.

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MAY BE CONFUSED WITH: Haddock (pg. 33).

PHOTO CREDIT: NOAA / NMFS / NEFSC / Cooperative Research

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CUSK *(Brosme brosme)*

**COLOR:** Light brown above pectoral fin. Pale ventral surface. Dorsal and anal fins are dark, but have white outer edge.

**FINS:** One dorsal and anal fin, partially connected to the caudal fin.

**HEAD:** One large chin barbel.

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PHOTO CREDIT: NOAA / NMFS / NEFSC / Cooperative Research
FOURBEARD ROCKLING (*Enchelyopus cimbrius*)

**COLOR:** Olive-brown above pectoral fin. Pale ventral surface. Posterior tip of second dorsal fin and anal fin have prominent black areas, as does the ventral tip of the caudal fin.

**FINS:** Large leading ray of first dorsal fin. Second dorsal fin and anal fin extend down body.

**HEAD:** One large barbel under the mouth. Three additional barbels on the snout.

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GADIDS & HAKES

SILVER HAKE (WHITING) (*Merluccius bilinearis*)

**COLOR:** Silver.

**FINS:** True pelvic and pectoral fins. No filament on first dorsal.

**HEAD:** Mouth dark with large teeth. Lower jaw projects. No chin barbel. Head not as robust as offshore hake.

**GILL RAKERS:** 16-20 gill rakers on first gill arch.

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MAY BE CONFUSED WITH: Offshore hake (black whiting) (pg. 38).

PHOTO CREDIT: NOAA / NMFS / NEFSC / Cooperative Research
OFFSHORE HAKE (BLACK WHITING) (*Merluccius albidus*)

**COLOR:** Silver.

**FINS:** True pelvic and pectoral fins. No filament on first dorsal.

**HEAD:** Mouth dark with large teeth. Lower jaw projects. No chin barbel. Eyes a bit larger than silver hake. Head more robust and square between the eyes than silver hake.

**GILL RAKERS:** 8-11 gill rakers on first gill arch.

**MAY BE CONFUSED WITH:** Silver hake (whiting) (pg. 37).

**PHOTO CREDIT:** NOAA / NMFS / NEFSC / Cooperative Research

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RED HAKE (*Urophycis chuss*)

**COLOR:** Red-brown.

**BODY:** Larger scales than white hake, which frequently chafe off in gear.

**FINS:** Long filament extends from first dorsal fin. Pelvic filament reaches, or extends beyond, anal opening.

**HEAD:** Small chin barbel.

**GILL RAKERS:** Three gill rakers on upper elbow of first gill arch.

**MAY BE CONFUSED WITH:** Longfin hake (pg. 42), spotted hake (pg. 41), white hake (pg. 40).

**PHOTO CREDIT:** NOAA / NMFS / NEFSC / Cooperative Research

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WHITE HAKE (*Urophycis tenuis*)

**COLOR:** Olive-brown.

**BODY:** Smaller scales than red hake; do not chafe easily in gear.

**FINS:** Short filament extends from first dorsal fin. Pelvic filament does not reach anal opening.

**HEAD:** Small chin barbel.

**GILL RAKERS:** Two gill rakers on upper elbow of first gill arch.

MAY BE CONFUSED WITH: Longfin hake (pg. 42), red hake (pg. 39), spotted hake (pg. 41).

PHOTO CREDIT: NOAA / NMFS / NEFSC / Cooperative Research

GADIDS & HAKES

SPOTTED HAKE (*Urophycis regia*)

**COLOR:** Olive-brown above pectoral fin with black and white dashed lateral line. Black spot on first dorsal fin.

**BODY:** May chafe in gear.

**FINS:** No filament on first dorsal. Pelvic filaments.

**HEAD:** Small chin barbel.

MAY BE CONFUSED WITH: Longfin hake (pg. 42), red hake (pg. 39), white hake (pg. 40).

PHOTO CREDIT: NOAA / NMFS / NEFSC / Cooperative Research
LONGFIN HAKE (*Urophycis chesteri*)

**COLOR:** Gray-brown. Dark edges on dorsal and anal fins.

**FINS:** Very long filaments extending from the first dorsal fin and pelvic fins.

**HEAD:** Small chin barbel.

**MAY BE CONFUSED WITH:** Red hake (pg. 39), spotted hake (pg. 41), white hake (pg. 40).

**PHOTO CREDIT:** NOAA / NMFS / NEFSC / ESB

GADIDS & HAKES

SCORPIONFISH & SEAROBINS

ACADIAN REDFISH (OCEAN PERCH) (*Sebastes sp.*)

**COLOR:** Red.

**FINS:** Spiny dorsal, pectoral, pelvic, and anal fins.

**HEAD:** Bony notch present under chin.

**SPINES:** Spines present on operculum.

**INTERNAL:** Gill cavity and inside of mouth pink-flesh colored.

**MAY BE CONFUSED WITH:** Blackbelly rosefish (pg. 44).

**PHOTO CREDIT:** NOAA / NMFS / NEFSC / Cooperative Research