

# Flatfish/Sculpin Lecture



3-week Observer Training



Pacific sanddab

# Important Characters

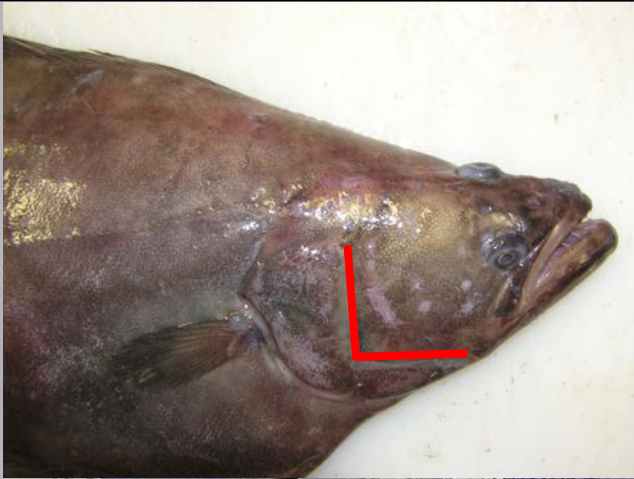
- ▣ ADB - Accessory dorsal branch of the lateral line
- ▣ Anal Spine



# Groups

- ▣ **No ADB & No Anal Spine**
  - Greenland Turbot & Kam/ATF
  - Dover Sole
  
- ▣ **Anal Spine but No ADB**
  - Yellowfin Sole
  - Flathead & Bering Flounder
  - Rex Sole & Longhead Dab
  
- ▣ **Both ADB & Anal Spine**
  - Rock Soles
  - English, Sand, Butter Sole





Greenland turbot



Arrowtooth flounder





Kamchatka flounder

Greenland turbot



Arrowtooth flounder



Kamchatka

Arrowtooth



Kamchatka flounder

Arrowtooth flounder







Dover sole





Deep-sea sole



Pacific halibut





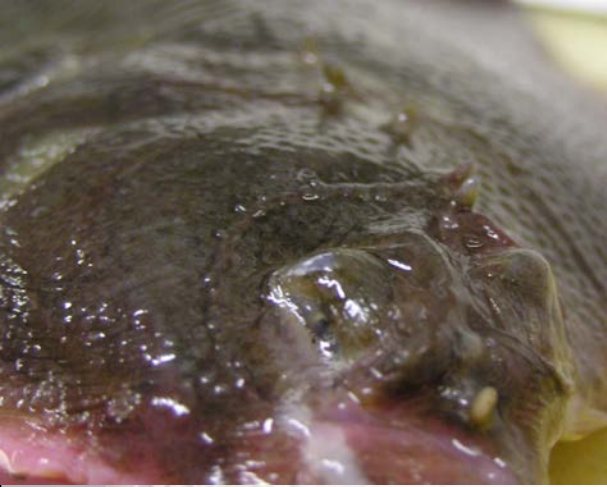
Pacific halibut (blind side)





Yellowfin sole





Alaska plaice



Starry flounder





Rex sole



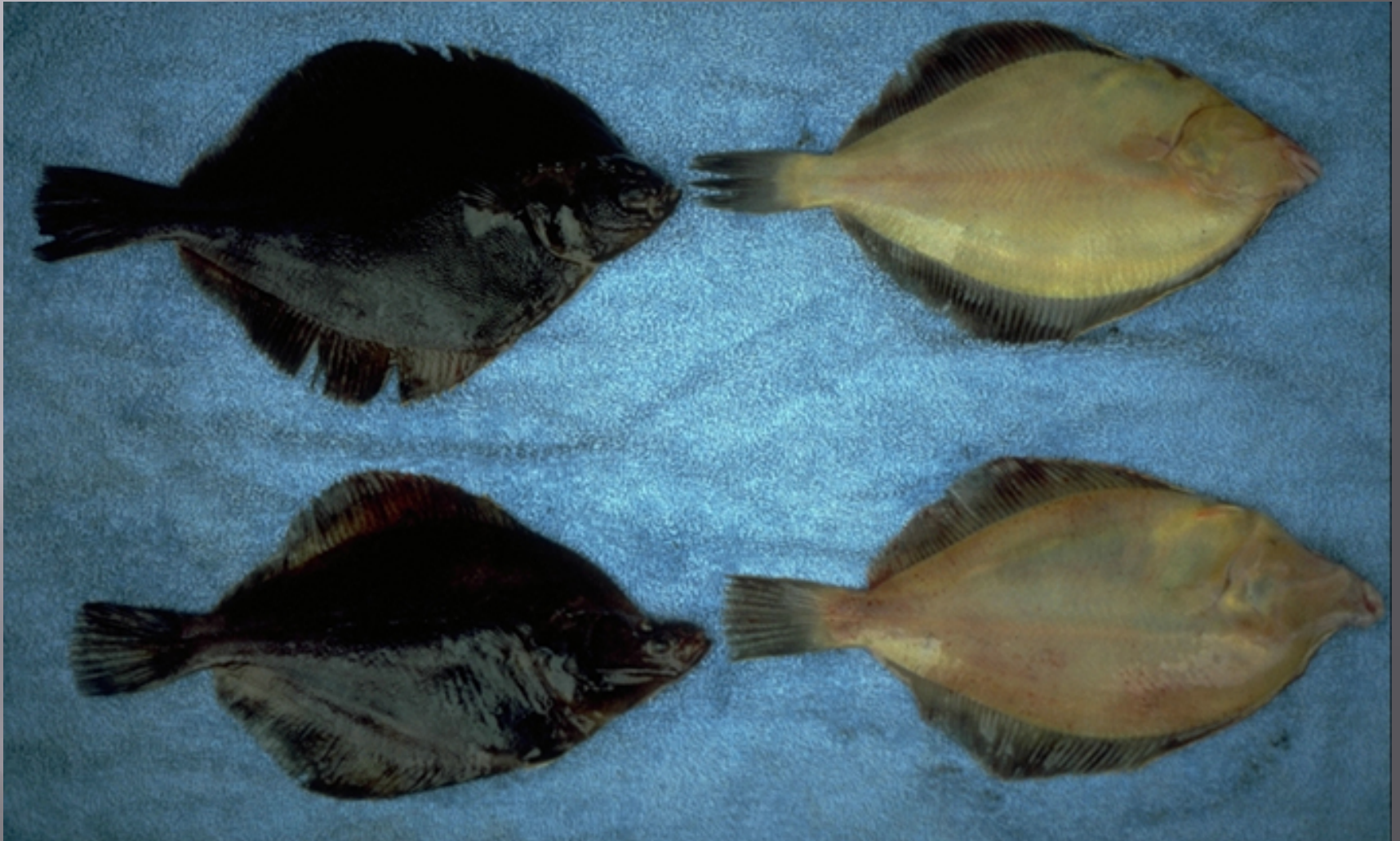
Slender sole





Longhead dab

# Alaska plaice



# Longhead dab





Flathead sole

Bering flounder



Flathead sole







Petrале sole



Petracle sole (head)





Northern rock sole



Northern rock sole (blind side)





Southern rock sole



English sole





C-O sole



Curlfin sole





Rock sole



Yellowfin sole



Flathead sole



Greenland turbot

Arrowtooth

Kamchatka



# Sculpins



Irish Lords (*Hemilepidotus*)

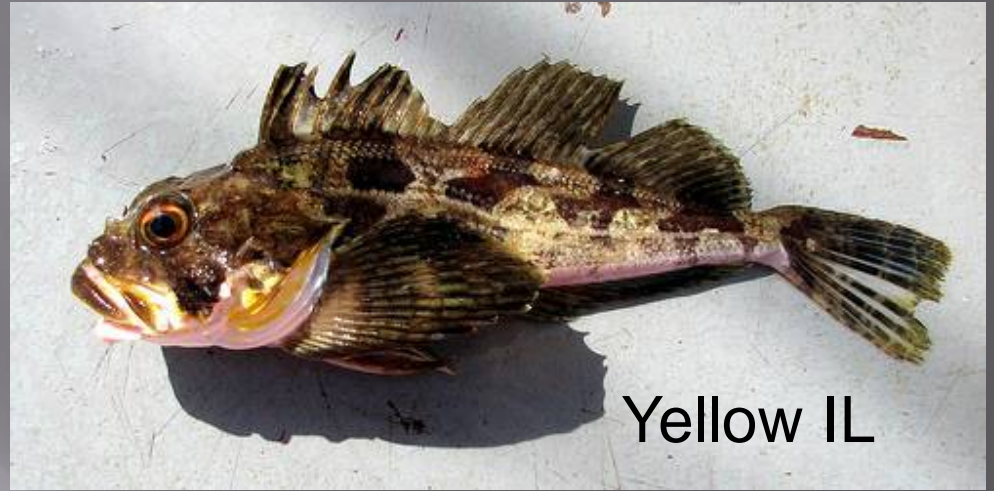


Bigmouth Sculpin (*Hemitripterus*)

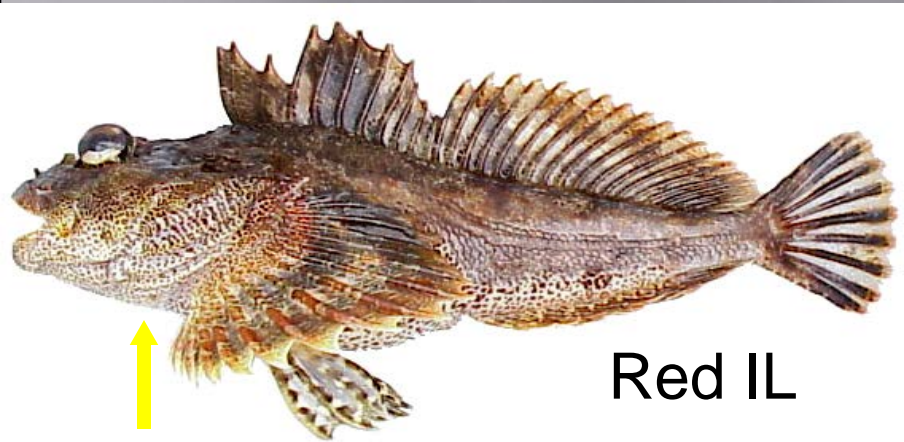


*Myoxocephalus* spp.

# Sculpins



Yellow IL



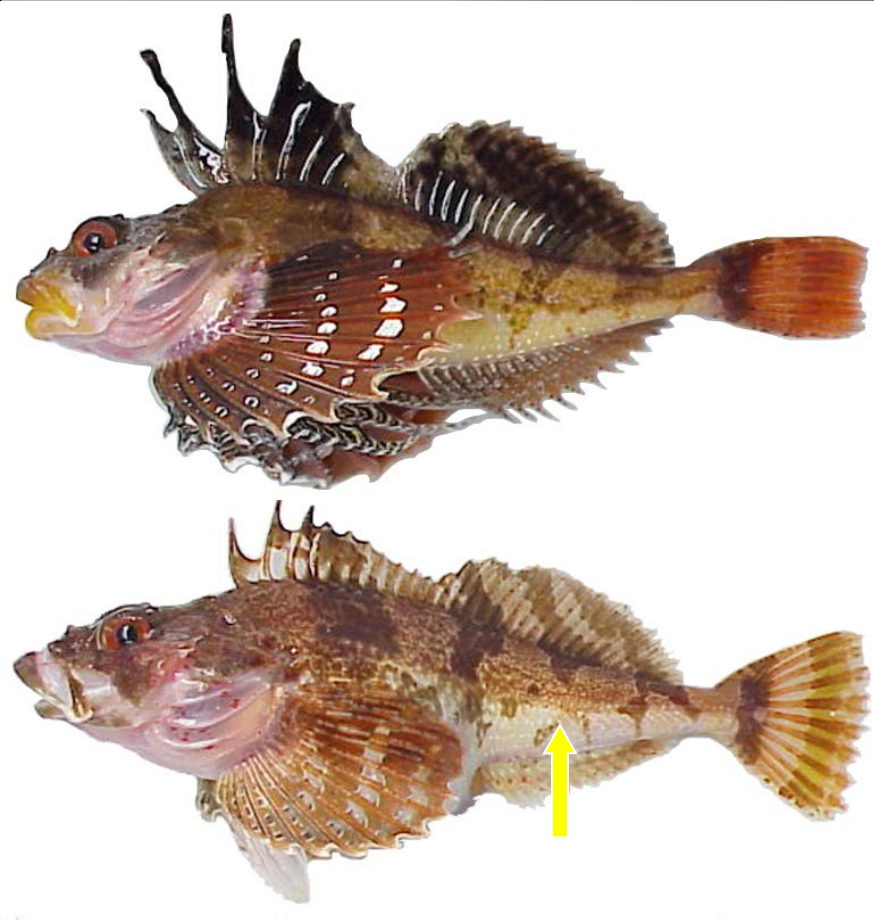
Red IL

*Hemilepidotus*

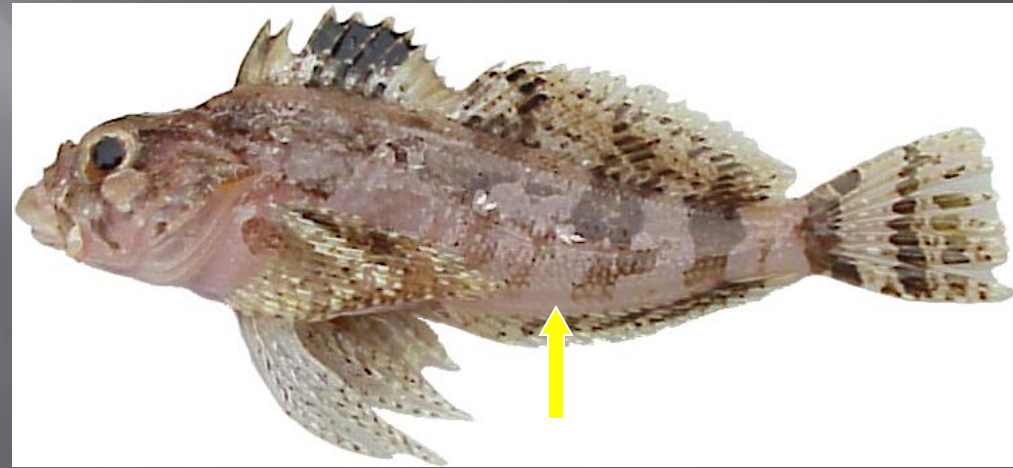


# Sculpins

## *Hemilepidotus*



Butterfly Sculpin  
(Bering Sea)



Longfin IL  
(Aleutians)

# Bigmouth Sculpin







Great Sculpin

# Sculpins



Plain Sculpin



Warty Sculpin



# *Myoxocephalus*

# Sculpins



Darkfin Sculpin





Cottidae sp.

