

ALASKA DEPARTMENT OF FISH AND GAME
DIVISION OF COMMERCIAL FISHERIES - FISH PATHOLOGY SECTION
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REPORT OF LABORATORY EXAMINATION

LOT (YEAR, STOCK, SPECIES): FY 2024 Pinto abalone (Sitka broodstock) *Haliotis kamtschatkana*

FACILITY: University of Alaska Fairbanks

CONTACT PERSON/ADDRESS: Dr. Schery Umanzor, UAF, 17101 Point Lena Loop Road, Juneau, AK 99801

SAMPLE DATE: 6/18/25

DATE SAMPLE RECEIVED: 6/18/25

SAMPLE TYPE: Whole abalone

LIFE STAGE: Juveniles spawned 5/24 (5-10 mm)

NUMBER IN SAMPLE: 33 (one lost during processing) **WILD:** No **STATE:** Live

HISTORY/SIGNS: Juveniles of brood-stock originating from Sitka Sound that were transported to the UAF lab in Juneau, held in quarantine and spawned over one year ago

REASON FOR SUBMISSION: Establish a disease history prior to transport to the Metlakatla Indian Community for culture purposes.

FINAL REPORT DATE: 7/10/25

CLINICAL FINDINGS

HISTOPATHOLOGY: Juveniles preserved in 10% seawater formalin and decalcified overnight prior to embedment in paraffin blocks that were cut into 6 μ sections stained in hematoxylin and eosin. Most sections (27) were complete, having nearly all major organ systems and tissues based on the atlas by Bevelander (1988) (Fig. 1).

0/32 abalone examined having infectious agents of transport significance; Also, no apparent parasites, symbionts, fouling organisms or unexplained inflammation were present in sections

0/32 abalone had recognizable gonadal tissues

COMMENTS/RECOMMENDATIONS:

No parasites or infectious agents of transport significance were observed in the tissue sections examined.

Juvenile abalone from this laboratory are suitable for transport.

FISH HEALTH INVESTIGATOR(s): T.R. Meyers



TECHNICAL ASSISTANCE: R. Morris

COPIES TO: FY2025, M. Morris

Literature Cited

Bevelander, G. 1988. Abalone-gross and fine structure. The Boxwood Press, Pacific Grove, CA

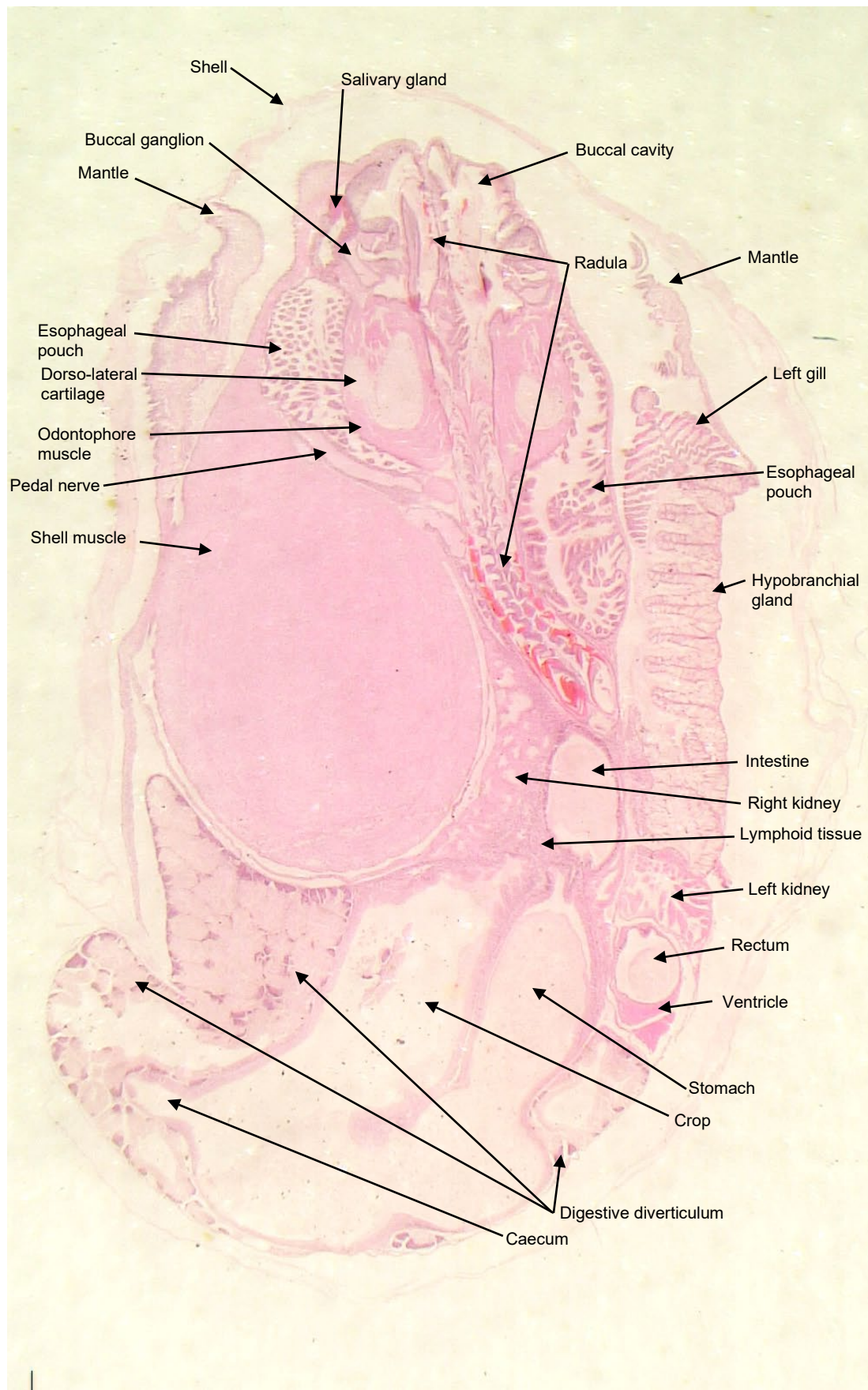


Figure 1. Normal histological cross-section of a juvenile pinto abalone from this case (Bevelander 1988).