

# Bear Gut/Fecal & Hair Collection Protocol

**\*Please collect samples immediately after bear has been killed.\***

## PHASE 1: FECAL COLLECTION

**Step 1:** Remove **GREEN** baggie labelled “**FECAL**” containing **GREEN** gloves.

**Step 2:** With **GREEN** gloves on, remove popsicle stick from wrapping. Do not let the popsicle stick touch anything other than your gloved hand at this time.

**Step 3:** Insert the popsicle stick into bear anus, placing fecal sample into the **GREEN** lid vial. Repeat until vial is half full (replace cap on vial in-between filling to minimize outside exposure). Secure cap tightly when sampling is complete.

**Step 4:** Place vial back into small bag labelled “**FECAL**” and place small bag into main baggie.

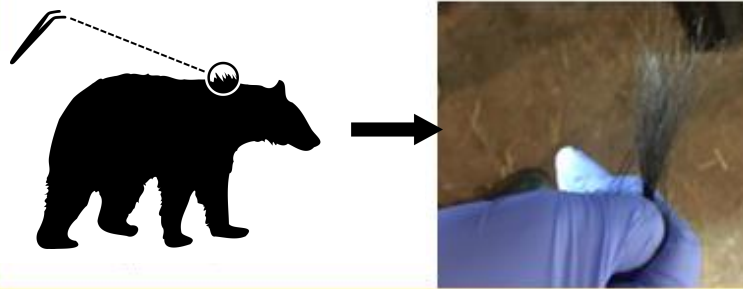
**Step 5:** Dispose of used popsicle stick and **GREEN** gloves. **Please ensure all of phase one is complete and the black gloves and used popsicle sticks are disposed of before starting phase 2.**



## PHASE 2: HAIR COLLECTION

**Step 1:** Before skinning bear, remove a small clump of hair (10+ hairs) from between the bear's shoulders.

**Step 2:** Place envelope into the Ziploc bag. Now the bear is ready to start being field-dressed! The last sample can be collected after the stomach and intestines are removed.



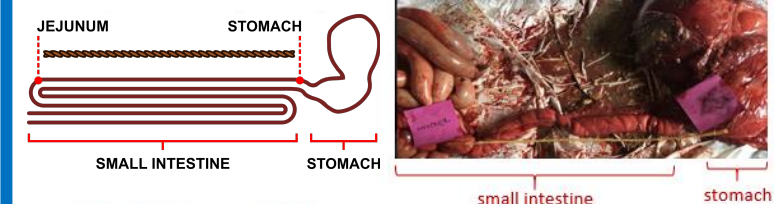
## IMPORTANT

Cross-contamination between the two vial samples can alter the results. To avoid this, we have color-coordinated the materials needed for each step. Please do not reuse any of the materials between phases!

## PHASE 3: JEJUNUM COLLECTION

**Step 1:** After guts have been removed, isolate the stomach and small intestine (see back for full diagram). *NOTE: the intestines are held in a bundle with thin connective tissue. You may need to trim a bit of this connective tissue to sample the jejunum.*

**Step 2:** Stretch the provided string from bottom of stomach (end labelled “stomach”), down the length of the intestines until string is tight (end labelled “jejunum”). Remove small baggie labelled “**JEJUNUM**” with sticker and **BLUE** gloves.



**Step 3:** With **PURPLE** gloves on, make an incision in the intestine at the “jejunum” end of the string.

**Step 4:** Pour sample out of the incision from the intestines side (the side connected to the rest of the intestines NOT the side closest to stomach) into the **BLUE** lid vial until the vial labeled **JEJUNUM** is half full (replace cap on vial in-between filling to minimize outside exposure). Secure cap tightly when sampling is complete.

**Step 5:** Place vial back into small bag labelled “**JEJUNUM**”. Place small bag into main baggie.

**Step 6:** Dispose of used **BLUE** gloves. Fill out label on main Ziploc bag.

**Step 7:** With sharpie provided, please fill out datasheet located on front of large Ziploc bag. Be sure to fill out DNR seal Number so we can age bear.