The University of Arizona

Museum of Natural History

Destructive Sampling Application

1. **Research Team**

Name:

Title:

Department/Institution:

Address (including city, state, country or postal code):

E-mail:

Phone:

**\*\*\*Students must include the following information about their advisor:**

Name:

Title:

Department/Institution:

Address (including city, state, country or postal code):

E-mail:

Phone:

**\*\*\***A letter of support from the student’s advisor must accompany student requests. The letter must state the student’s experience working with museum specimens as well as past experience with the proposed procedure.

1. **Purpose and scientific merit of the proposed research.**

What is your research question and how, specifically, do the requested specimens fit into your research? Can you collect the same data in the field using other methods (i.e., why are samples obtained from museum specimens preferable to freshly obtained tissues)? Where do you intend to publish your results? Copies of any publications resulting from analysis must be sent back to The University of Arizona, Museum of Natural History.

1. **Specimens requested.**

List the specimens (in the following table) you wish to destructively sample by UAZ number.

|  |  |  |
| --- | --- | --- |
| UAZ Number | *Genus species* | Number Specimens (Fish Only) |
|  |  |  |

1. **Explain why UAZ specimens are needed.**

Have any other collections been approached and what is the status of these requests?

1. **Sampling method(s).**

Discuss the tissue type desired (bone, feathers, dried skin, etc.), your reasons for requesting this type of tissue, your methods for extracting the sample (drill, punch biopsy, etc.), and some measure of the size of sample desired and justification for the number and quantities requested. Discuss your lab protocols giving specific justification for the number of samples and the quantities of tissue desired. Please elaborate on your experience and competence with these protocols. Include any publications that demonstrate successful extractions using the same techniques, sample types and quantities. Why is this sampling protocol the least intrusive method possible? Include the name(s) of the person(s) who will actually perform the destructive sampling. Please provide evidence of your experience and competence with this protocol.