**Facilities, Equipment, and Other Resources**

Northern Arizona University

PI Erb and Collaborator Edge have office space at Northern Arizona University and access to computing resources, libraries, and other facilities on campus. For high-performance computing, Northern Arizona University maintains a Linux-based cluster named “Monsoon” with 884 Intel Xeon cores and 12TB of memory, which is capable of 20 teraflop performance at peak.

NAU also maintains lab facilities with a Buehler isomet30 for precision cutting and a MetaServ 3000 Variable Speed Grinder-Polisher for polishing samples. The lab space includes a fume hood for creating acetate peels. The lab also maintains a Zeiss Axio Imager.A2m with variable magnification up to 400x, a 20 MP camera, and an automated (x-y) stage.

The described work will involve bivalve shells from 3 locations. Shells from Shelly Bay are currently in transit from Paul Gribben (see letter of collaboration). A shell collection from Golden Bay is currently being prepared for shipment from Lindsey White (see letter of collaboration). A final site for shell collection in the vicinity of Paterson Inlet is currently being surveyed by divers associated with PZL Harvesters (see letter of collaboration). The existing and new shell collections will be labelled and stored in a cool and dry environment at Northern Arizona University for potential future sampling.