

## I. INTRODUCTION & BACKGROUND

Biological Sciences is requesting site endorsement for a new pre-fabricated modular building in the south east corner of the Biology Field Station, which lies on the north of the Campus Services Complex. The BFS is a multi-use facility that is home to an apiary, arable land for studying sorghum and maize, algae ponds, and experimental laboratory space. The project is needed to supply research space for a new faculty hire with research focused on uncovering the genetic and ecological underpinnings of parallel adaptation through studying Three-Spined Stickleback fish.

## II. PROJECT DESCRIPTION

The project includes a pre-fabricated laboratory facility that would house 100 to 150 thirty-five gallon fish tanks. The tanks would be connected to a recirculating water system. The laboratory would include space for compressed air, a reverse-osmosis water treatment system, and a small food-prep area with a sink. A generator would be installed on the outside of the modular building. It is anticipated that photo-voltaic panels would be installed on the roof. The site will be returned to its original condition upon removal of the modular building.

## III. PLANNING PARAMETERS

The project is consistent with campus land use plans and the principles contained in the campus' overarching planning and design documents. The BFS is intended for field research activities and this use is compatible with other research on site.

The proposed site location has been designated "Academic" land use in the 2018 Long Range Development Plan (LRDP).

The approximately 10,800 SF site includes 960 SF for the modular building. The balance of the site (9,840 SF) will be used for construction access and staging, as well as utility connections.

The 10,800 SF site currently consists of the remnants of an irrigated hoop house, empty bins, and algae ponds. These items would be removed prior to the modular installation.

No additional parking would be provided.

All areas impacted by the construction of this project will be returned to their existing condition when the facility is removed.

## V. RECOMMENDATION

The site evaluation for the Three-Spined Stickleback Fish Facility will be presented for information and potential endorsement at the February 17, 2019 meeting. The project is located within the Coastal Zone and would require review for conformance with the California Coastal Act.



**Project Site**

**Open Space Preserve**

N. Torrey Pines Road

Genesee Avenue

Interstate 5

Voigt Drive

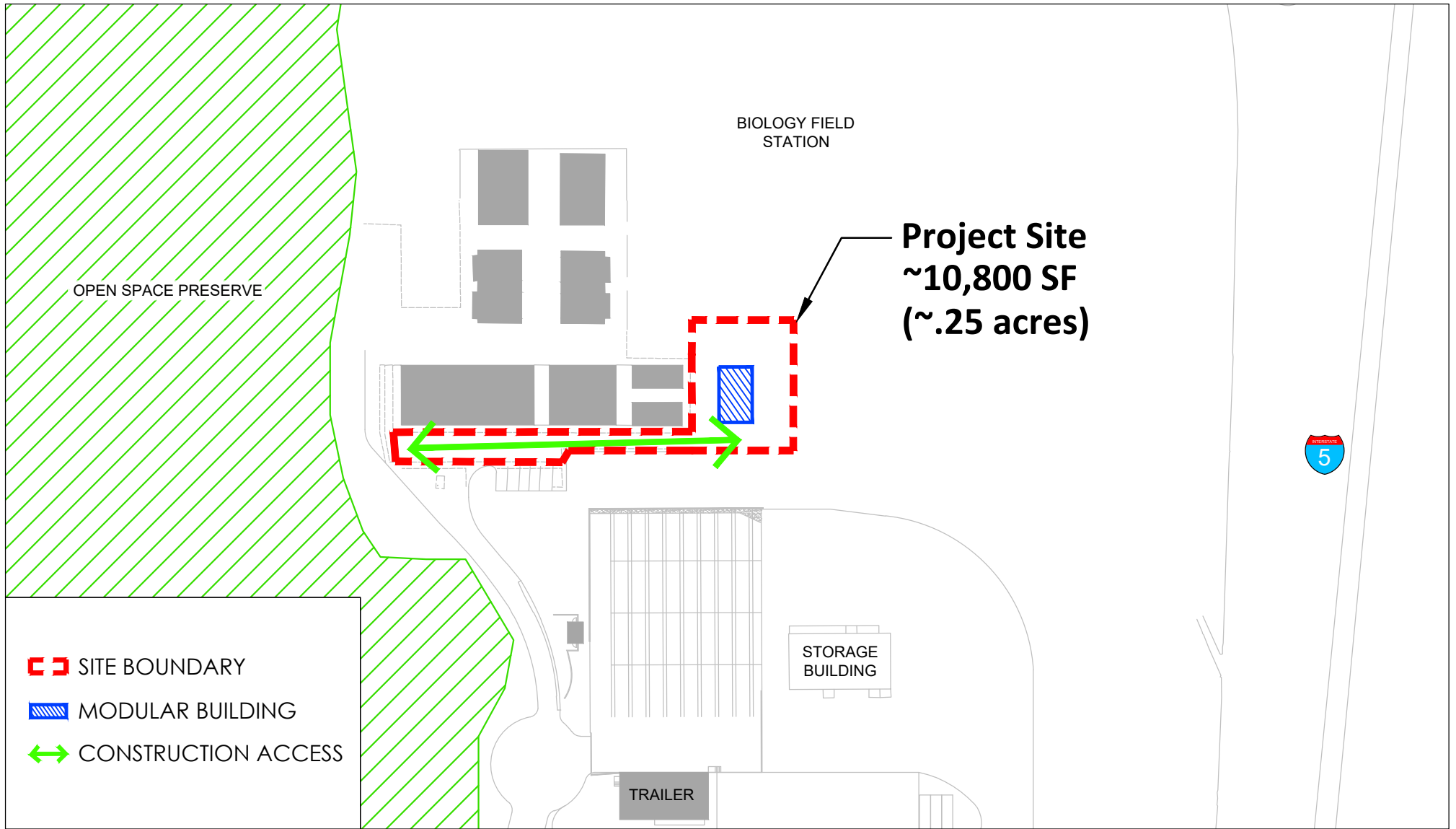





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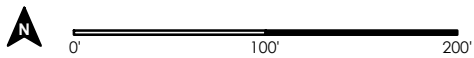
# Three-Spined Stickleback Fish Facility

Figure 1 - Project Site

2/12/2019



-  SITE BOUNDARY
-  MODULAR BUILDING
-  CONSTRUCTION ACCESS



**Three-Spined Stickleback Fish Facility**

Figure 2 - Site Boundary

2/12/2019