### Planning and Budget Council Summary Sheet

#### Part I. General Information
- **Unit, Department or Program:** Natural Science Dept./ Program
- **Date of request:** 11/2010
- **Date required:** Summer 2011
- **Start date:** Fall 2011

#### Type of request:
- Health and safety
- Program improvement: X
- New program: Operating supplies: $2,500
- Facilities, R&M: Other 1
- Other: Other 2

#### Alignment with Strategic Plan:
- 4.1, 4.5, 4.8, 5.4

#### Resources requested:
- **Amount**

#### Part II. Narrative - Description and Rationale (do not exceed space provided)
- **Why is this request important?** (what are the most important reasons for this request)
  - There is a need to move the WCC aquaculture from its current location on state hospital property as the hospital is moving to recover the property. This facility has been in operation by the College since the late 1970’s.
  - The College’s original Master Plan intended for the aquaculture ponds to be moved to the area below the location of the current Agriculture greenhouse.
  - The University of Hawai‘i Foundation recently received a $1.6 million dollar endowment in support of student scholarships for students engaged in sustainability certificate programs (e.g. ASC-BRDM).
  - The WCC Master Planning and Space Allocation Committee (MaPSAC) approved this request in Spring 2010.

#### Descriptive Summary of the Request (provide a summary of the resource request)
- Annual operating funds consumable supplies for aquaculture facility:
  - Feeds
  - Test kits
  - Nets
  - Shadecloth
  - Organisms (e.g., fish & seeds)
  - Miscellaneous

#### Rationale for Request (how will the request benefit the unit, department, program or institution;)
- Use of these facilities for instruction would support implementing a sustainability curriculum involving biotechnology, freshwater aquaculture, mariculture, hydroponics and aquaponics.
- We have recently started teaching the AQUA 106/106L (Small Scale Aquaculture) AQUA 201/201L (The Hawaiian Fishpond). We need a new facility for continued instruction of these courses.
- Use of these facilities for instruction would support WCC’s ASC in Bioreources Development and Management (ASC-BRDM).
- In partnership with the Pacific American Foundation and the Hawai‘i Institute of Marine Biology, WCC recently received a HUD grant for $800,000 to purchase Waikalua loko, a traditional Hawaiian fishpond located at the mouths of Kāne‘ohe and Kawa Streams. We will be building Natural Science curricula around this pond that integrate traditional resource management with modern technology. Our on-campus facility would enhance the work done at Waikalua loko.

#### Part III. Evaluation
- **Notes**
- **Rating (1-5)**

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