

Sediment in Maunalua Bay

Problems?

- Excess sediment negatively affects marine animals and the community (fishing and recreation).
- Rain runoff transports sediment through streams and into the bay.

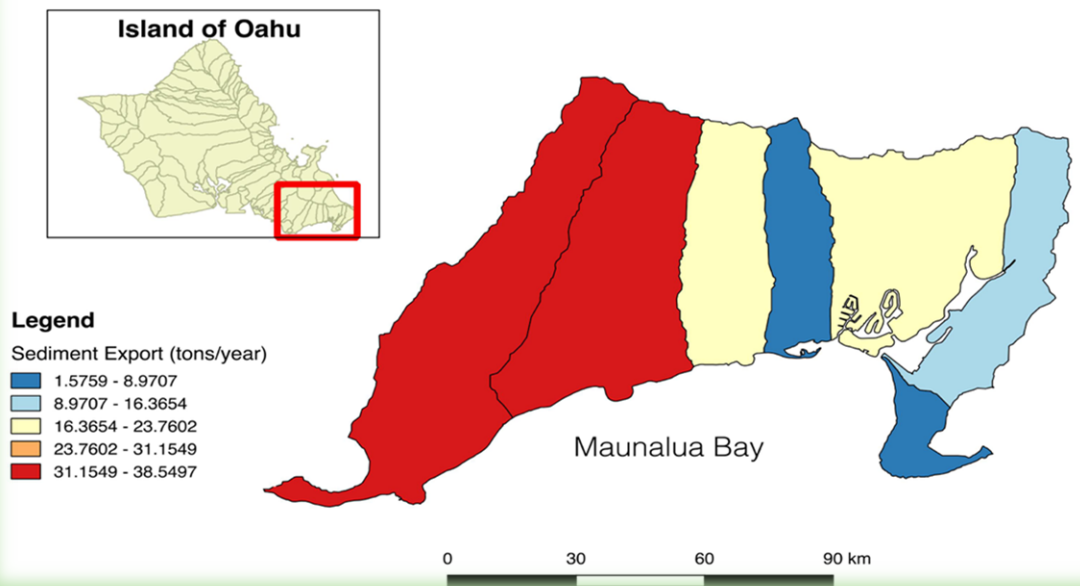
So what?

- Sediment negatively impacts coral reefs by decreasing light availability, covering and smothering, and altering habitats.
- Sediment also brings in excess nutrients and other pollutants.

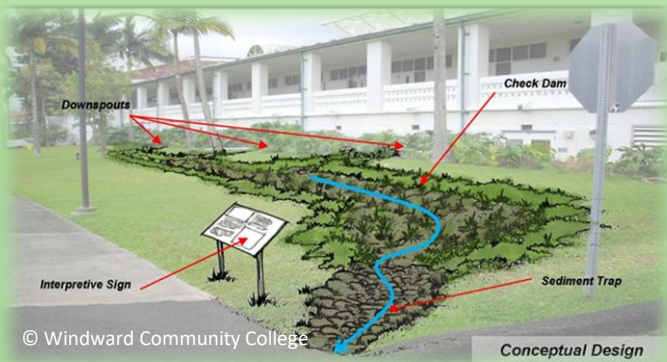
Our Findings

- Most sediment is coming from up slope conservation areas, this is natural erosion. Other sources are urbanized and cultivated areas.
- The highest sediment export occurred in Waialaenui and Wailupe.

Modeled Sediment Export by Watershed within Maunalua Bay



Ways to reduce impacts?



- Community rain gardens can be installed. Trees and shrubs can be planted near streams.

- Homeowners can install rain barrels to reduce runoff and create rain gardens to absorb runoff and catch sediment.