

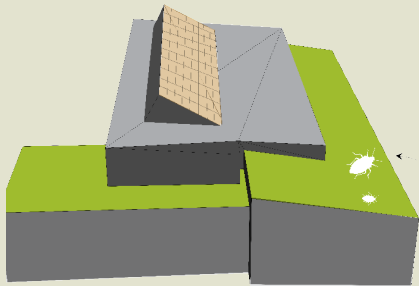


HERON'S HEAD ECOCENTER

Photo: Anne Brask

CASE STUDY FACTS

Year: 2010
Type: Extensive
Size: 1,100 sq. ft.
Access: Not for public
Greenroof System: Modular trays
Designed by: Evocatalyst



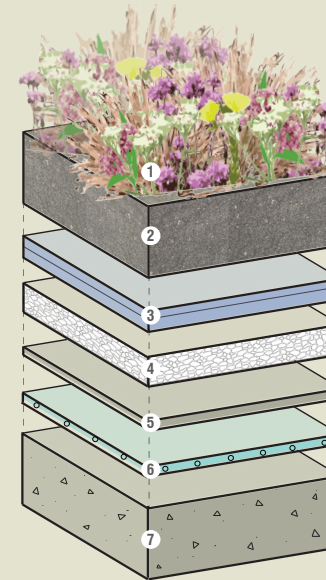
PROJECT BACKGROUND

What used to be a toxic dumping ground is now an environmental education center and native species habitat. The center includes an off-grid solar array, on-site blackwater wastewater treatment system, a 15K gallons of rainwater storage, riparian wetlands, vegetative roof, and sustainable landscape.

Heron's Head EcoCenter became a habitat restoration project for plants and animals in this industrial, urban environment. Only Bay Area native plants are used in the landscaping and living roof at the EcoCenter. Native plants have evolved in a particular region over thousands to millions of years so they have adapted to the climate, geography, and organisms of the region. Therefore, they require less water and are used to local soils compared to non-native plants.

The parapet at Heron's Head is unique to many green roofs as it is layered with materials that plants and animals can call their home, such as logs, rocks, and shells. This material pallet was inspired by the surrounding beach and carried on to the rest of the roof. Larger rocks and sticks are important for native habitat as they provide shade and shelter for the ecosystems living on the roof. The roof also holds a small wetland that plays an important role in these species' life-cycles. Heron's Head is a great example of how a green roof can offset the habitat that development displaces by restoring it on top of the building.

ROOF SECTION



ROOF SECTION LAYERS

- 1 NATIVE PLANT SPECIES
- 2 MULCH (SCORIA, COARSE SAND, ORGANIC MATTER)
- 3 SUBSURFACE DRIP SYSTEM
- 4 LAVA STONE PUMICE ROCK
- 5 CAPILARY MAT
- 6 MONOLITHIC URETHANE
- 7 BUILDING CONCRETE