

LOCATION
Puako, Hawai'i

POPULATION
772

TECHNOLOGIES
LTE, Hydrophones,
Webcams,
Broadband

INNOVATORS
Jupiter Research
Foundation

Connectivity

COMMUNITY SOLUTIONS

Every Community has a Vision.

Puako Hawai'i Live Streams Whale Song & Video of Migrating Whales



Every year from January 14th to March 14th, migrating humpback whales pass Puako Hawai'i. Whale watchers, tourists, and researchers converge on Puako to observe the whales.

In 2003 the Jupiter Research Foundation began live streaming the whale song of migrating humpback whales to listeners

around the world. The Jupiter Research group installed hydrophones connected to the internet through an LTE cellphone connection. This information is collected by servers and then streamed through the foundation's web site.

Today the whale song audio is collected by autonomous "wave glider" sensor platforms, equipped with internet connected hydrophones and other sensors. Streaming webcams were also installed on the waterfront overlooking the bay.

MORE INFORMATION

Project Page: <http://jupiterfoundation.org/listen>

Wave Gliders: <http://jupiterfoundation.org/autonomous-surface-vehicles>

Hydrophone Used: <https://www.vemco.com/products/vr2c-cabled-receiver/>

Streaming Video: <http://jupiterfoundation.org/webcam>



Connected
Communities

