

NOAA UAS Working Group  
Marine debris surveys, Northwestern Hawaiian Islands

**On Board Surveillance/Detection Capability**

Revised 8/7/2007

The aircraft will be equipped with one or more color video cameras to assist with aerial surveys for marine debris. The location of marine debris in the open-ocean would be identified during the flight via real-time analysis of the video, GPS, and flight data being telemetered back to the base station. Anomaly detection software will process and catalog the data being telemetered from the aircraft during survey operations.