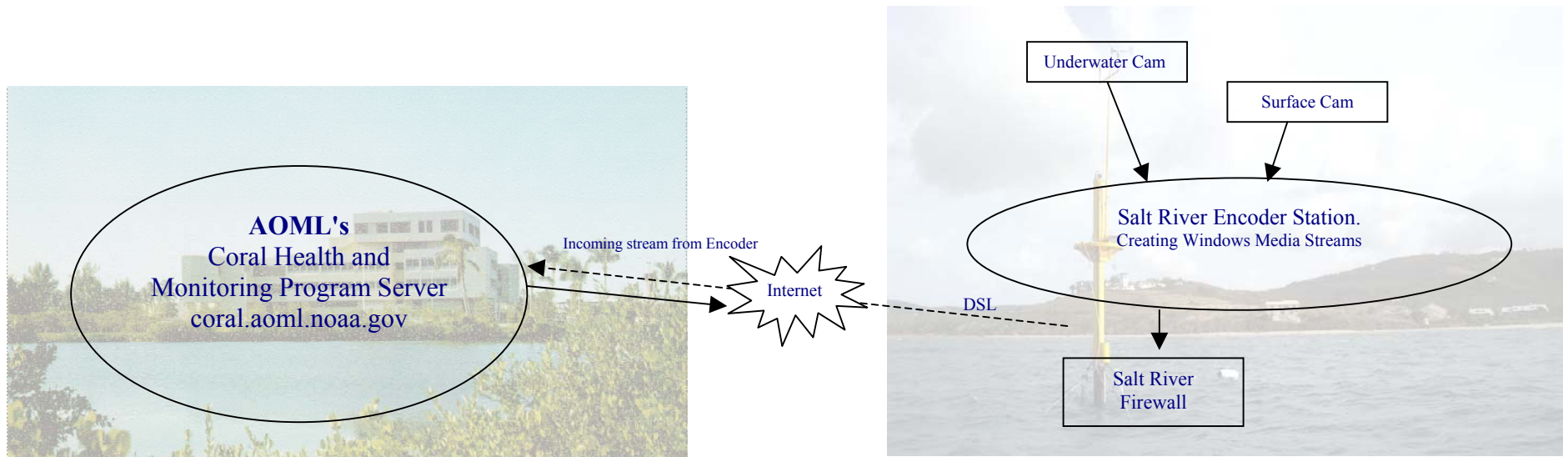


Video Streaming from Salt River Bay National Historical Park and Ecological Preserve, St. Croix, US Virgin Islands, Coral Reef Early Warning System (CREWS) Station



St. Croix USVI Encoding Station:

Our encoding station in St. Croix receives two live video streams. One is on-shore, looking out towards the station. The other stream, an underwater camera signal, is received from the station via microwave transmission. Both signals are fed into our onsite video encoder, which translates them into Windows Media encoded streams. Those live streams are then sent, over a Virtual Private Network (VPN) connection to AOML in Miami Florida for broadcast. The connection to AOML is made possible because of an onsite Digital Subscriber Line (DSL) connection. The encoder itself is protected behind a firewall and the streams are encrypted before they are transferred to AOML. The VPN allows for the encryption and provides a direct link to AOML.

Broadcast Station at AOML:

The server at AOML in Miami receives the two encoded streams from St. Croix over the VPN. It then decodes them and formats them for broadcast to the Internet. Those broadcasts are linked to from our Coral server for all users of the Internet.

