Rose Atoll Marine National Monument Lesson Organization

Lesson 1: Sea Turtles – How do the beaches of Rose Atoll support threatened sea turtles and where do turtles go when they are not on the beach?

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4. Hawaiian Marine Resource Management Article
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If you need assistance with this document, please contact NOAA Fisheries at (808) 725-5000.
Preface: Rose Atoll Marine National Monument

Rose Atoll is the easternmost Samoan Island and one of the smallest atolls in the world. Located 130 nautical miles ESE of Pago Pago, American Samoa, it is the southernmost land and associated waters controlled by the United States. It is known as Motu o Manu or “Island of Seabirds” and Nu’u o Manu or “Village of Seabirds” in Samoan. The monument is co-managed by NOAA, USFWS, and the government of American Samoa. The atoll is nearly square and comprised of two islands, Rose and Sand. The reef is distinctive from the other islands in Samoa and dominated by crustose coralline algae that give the reef a pink hue. Similarly, the reef fish communities are distinct from the rest of Samoa with a high number of small, planktivorous species represented in the 270 identified fish species. Green and hawksbill sea turtles nest on the atoll and several species of cetacean, humpback whales, pilot whales, and dolphins, have been seen at the atoll as well (USFWS, 2012).

While all of the islands are natural laboratories, Rose Atoll has subject to monitoring and research not only of its natural systems, but how they respond to human disturbance. A 120-foot longline fishing vessel, F/V Jin Shiang Fa, ran around on the atoll in 1993 causing physical damage to the reef and spilling 100,000 gallons of diesel and 2500 pounds of ammonia. While some of the ship was removed soon after the grounding, the rest was removed between 2004 and 2007 and the US Fish and Wildlife Service will be monitoring the reef recovery until 2017 (USFWS, 2012).
For more information:

Rose Atoll  MNM
http://www.fpir.noaa.gov/MNM/mnm_roseatoll.html
http://americansamoan.a.noaa.gov/

NOAA Marine National Monument Program
http://www.fpir.noaa.gov/MNM/mnm_index.html

Presidential Proclamation
http://www.fpir.noaa.gov/Library/MNM/Proclamation%208337%20-%20Rose%20Atoll.pdf

Sources
US Fish and Wildlife Service.” Rose Atoll Marine National Monument Fact Sheet.” 2012
http://www.fws.gov/refuge/Rose_Atoll/