

SUORONATA PROJECT (AMMES BASE)

Light Pollution

Use specialized photometers to assess the levels of light pollution on some of the island's beaches. The human eye quickly adapts to extreme variations in illumination, which often makes it hard to understand light pollution. Participants will be able to see the vast difference between a naturally dark and a brightly lit zone, and thus understand how light pollution can have devastating impacts on wildlife, including sea turtles.

Coastal species identification and biodiversity survey

Conduct a quadrat survey on the island's sand dunes to identify plant species. This dataset is used to determine species frequency and coverage in this dwindling ecosystem.

Beach profile

Measure the width and slope of the beach as well as coordinates at the front and back to help understand how this coastal feature changes during the season.

Bird surveys

Conduct surveys on coastal birds and contribute to Cornell University's e-Bird citizen Science database by conducting timed transects or point counts and reporting incidental sightings of coastal and pelagic birds using the app e-Bird.

Seagrass snorkel survey assessment

Evaluate snorkel survey data previously collected in the field to assess and classify images of the sea floor and sea grass coverage using Geographical Information Systems (GIS) software and techniques.

Seagrass snorkel surveys

Snorkel, observe and photograph sea grass species with the addition of noting down/photographing any species that may be utilizing those areas.

Beach clean-up

Teams help clear litter, which mostly originates from, and helps us study the source of, marine debris. This is done in transects where an area is searched for marine debris with beach width recorded and number and type of items found are reported to NOAA, an international database part of their marine debris monitoring citizen science program.

Coastal species identification and biodiversity mapping

Evaluate sand dune survey data previously collected in the field to calculate and update plant species frequency and coverage using Geographical Information Systems (GIS) software and techniques.

Svoronata Conservation Programme- Sample Rota for One Volunteer

	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday
MORNING (~07:00-12:00)		TRAINING Practice snorkel (In-water) @ 07:30 Snorkel presentation @ 10:30 Coastal Species Identification @ 11:45	07:15 – 09:15 Coastal species identification and biodiversity survey	05:30 – 07:30 Bird survey	DAY OFF	DAY OFF	07:15 – 09:15 Seagrass snorkel survey
AFTERNOON (~12:01-16:00)		TRAINING Bird survey @ 13:30 Beach profile survey @ 14:00 Beach clean survey @ 14:15 Beach demos @ 15:00	14:30 – 16:00 Coastal species identification and biodiversity mapping	14:30 – 16:00 Seagrass snorkel survey assessment			14:30 – 15:15 Data Entry: bird, beach profile and beach clean surveys
EVENING (~16:01-20:00)	Orientation @ 18:15 Snorkel Safety @ 19:00	18:00 – 20:00 Seagrass snorkel survey	18:00 – 20:00 Sea grass snorkel survey	18:30 – 19:15 Beach profile survey			18:30 – 19:15 Coastal species identification and biodiversity survey
NIGHT (~20:01-07:00)		~Optional~ Quiz Night		~Optional~ Smores Night			~Optional~ Souvlaki Night

WEEK 1

	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday
MORNING (~07:00-12:00)	05:40 – 07:30 Bird survey	07:15 – 09:15 Seagrass snorkel survey	DAY OFF	DAY OFF	07:15 – 09:15 Seagrass snorkel survey	07:30 – 90:00 Coastal species identification and biodiversity survey	07:15 – 09:15 Seagrass snorkel survey	DEPART
AFTERNOON (~12:01-16:00)	14:30 – 16:00 Coastal species identification and biodiversity mapping	14:30 – 15:15 Data Entry: bird, beach profile and beach clean surveys			14:30 – 16:00 Seagrass snorkel survey assessment	14:30 – 16:00 Seagrass snorkel survey assessment		
EVENING (~16:01-20:00)	18:00 – 20:00 Sea grass snorkel survey				18:00 – 20:00 Coastal species identification and biodiversity survey	18:30 – 19:15 Beach clean survey	16:00-17:00 Periodic Fauna and Biodiversity Review (data review)	
NIGHT (~20:01-07:00)	~Optional~ Henna Design	21:00 – 01:00 Light pollution survey			~Optional~ Movie Night	~Optional~ Scavenger Hunt	20:30 – 22:00 Bird survey	

WEEK 2