

Heath Goanna

Varanus rosenbergi



Map courtesy of Mapping Unit, Customer and Commercial Services.

Map is not intended to indicate spatial distribution of the species, only the bioregions in which the species is found.

Also known as Rosenberg's Goannas, Heath Goannas are powerful reptiles with strong limbs, sharp curved claws and long muscular tails. They reach up to 1.5 metres in length. Large curved teeth make it easier for them to hang onto their prey. Like all reptiles, Heath Goannas have limited ability to control their own body temperatures via their own metabolism and need to bask in the sun for at least half an hour each day before being active.

Diet

Their diet includes carrion, insects, birds, eggs, reptiles and small mammals. They sense prey by flicking their forked tongues and transferring the scent to sensory organs (Jacobson's organ). This organ is a common feature of many reptiles.

Breeding

Heath Goannas lay their eggs in active termite mounds. In mid to late summer the pregnant female will dig a tunnel into their chosen mound and lay 10–17 eggs. They then seal the nest and both the male and female guard the mound to ward off potential predators. Decaying material within the mound and the activity of the termites creates a warm, humid atmosphere, perfect for incubation. The eggs hatch in eight months after which the young slowly dig an escape tunnel. This can take them weeks, and they continue to use the mound as shelter for several months as they grow.

Habitat

Heath Goannas live in a variety of habitats from coastal and desert heaths to humid woodlands and sclerophyll forests. Kangaroo Island is an important refuge for Heath Goanna as they have become quite rare on the mainland. They are the largest land predator on the island. They find shelter in burrows, hollow logs and rock crevices at night. Several goannas might use the same burrow; they usually have connected tunnels and several exits.

Threats

Habitat loss and fragmentation is a major problem for these goannas. The removal of woody debris necessary for termite nesting can impact their ability to nest. The juveniles especially are threatened by predation by cats, dogs and native predators. Fast moving vehicles, illegal hunting and collection, poisoning/toxic pesticides, lack of recruitment, and fire are other problems.



Natural Pest Control! Rabbits were introduced to Kangaroo Island early last century and Heath Goannas are credited with eating them all. They are happy to burrow to find prey, and considering the damage rabbits have done to the mainland, KI is fortunate to have these reptiles.

Conservation

You can help the Heath Goanna by:

- being a responsible pet owner – desex your cats and dogs, keep them inside at night and don't take them into national parks
- not collecting fallen timber or destroying termite mounds if you live in the Heath Goanna's neighbourhood, as they need these to survive
- driving slowly if you are visiting Kangaroo Island as goannas may not be able to avoid fast cars.

For further information

Public enquiries

For more local information on any of the species in this resource please contact your nearest Natural Resource Centre office on:

Eastwood: (08) 8273 9100

Gawler: (08) 8523 7700

Lobethal: (08) 8389 5900

Willunga: (08) 8550 3400

Education enquiries

For teachers wanting more information about environmental education resources and opportunities please contact the relevant NRM Education sub regional team on:

Northern Adelaide: (08) 8406 8289

Barossa: (08) 8563 8436

Central Adelaide: (08) 8234 7255

Southern Adelaide: (08) 8384 0176

Southern Fleurieu: (08) 8551 0524

