



Aborigines and the Cottesloe Coast

The following paper was presented by indigenous heritage specialist Ken Macintyre at the Fish Habitat Protection Area (FHPA) Seminar sponsored by Coastcare, in May 2004.

It was during mid to late summer, *birok*, (Dec-Jan) and *burnoru* (Feb-March), that indigenous people used to frequent a place called *Mudurup* (pronounced *Moodoorup*) which we now know as the Cottesloe coastal strip. The term *Mudurup* or *Moodoorup* simply means “place of the yellow-finned whiting” (*Sillago schomburgkii*). Mudurup Rocks at Cottesloe is a registered Aboriginal site at the Department of Indigenous Affairs. This is one of the most important mythological coastal sites on the Swan Coastal Plain.

The earliest records of Aboriginal seasonal patterns of movement on the Swan Coastal Plain are provided by Stirling (1827) who states:

... in Summer they frequent the Sea Coast where their skill in spearing fish is truly wonderful. In Winter they inhabit the higher grounds, where the Kangaroo, the Opossum, the Land Tortoises, several species of Birds and roots compose their sustenance... (Stirling 1827: 570 quoted by Hallam 1979: 23).

There is no doubt that kangaroo, emu and large game were hunted but it would seem that the staple protein of the indigenous people of the Swan Coastal Plain was obtained predominantly from fish, aquatic reptiles and crustaceans found in the lakes, swamps, rivers and coastal estuaries (Macintyre and Dobson 2002).

The land-owning group which inhabited the coastal strip between Yanchep and South Fremantle were collectively known as the *Mooro*. They were a hunter/ gatherer/ fisher group who maintained a small, environmentally sustainable population. It was for this reason that Aboriginal people were able to sustain a continuous hunter/gatherer/fisher lifestyle for over 50,000 years.

The continuous chain of lakes from Moore River to Mandurah were said to have been created in the Dreaming by the mythological Waugal or Rainbow Serpent. The creative spirit of the Waugal was believed to have been responsible for the creation of rivers, lakes and wetlands in the Perth and surrounding region. The Waugal was not only a creative totemic being but it was also a protector of the environment. According to Nyungar law, springs and gnamma holes could not be drained as it was believed that this would kill the guardian Waugal spirit and cause the water source to dry up permanently. The Waugal was said to be responsible for attracting the rain and keeping water holes and springs replenished. It was said to inhabit deep dark pools and traditionally was seen to be both a destructive and creative force in that it could cause sickness as well as cure sickness.

Likewise, underground springs that flowed into the sea were believed to be the essence of the Waugal, and in some cases these springs were viewed as the children of the Waugal flowing from the river towards the sea. Thus the idea of fresh water is so intricately involved with the mythology

of the Waugal that it is hard to extricate, in some cases, the mythological metaphor from that of proto-science.

At a deeper level Waugal mythology was indeed the metaphor which emphasized the proto-scientific mysteries of the rivers, water sources and landscape. It also explained through the mythological track of the Waugal how water moved throughout the Swan Coastal Plain as a system of underground streams interlinking wetlands to the rivers and ocean. This knowledge was an essential component of Aboriginal survival.

Economic activities were seasonal and, in most cases, predictable. Prior to, and during the early part of European settlement it would seem that there was an abundance of fish and shellfish along the coast, especially in the in-shore sand banks and reefs at Cottesloe, which were accessible during the early morning low tides in the summer months.

The indigenous people of the Swan Coastal Plain were noted for their extraordinary skills in spearing fish. Armstrong (1836) in Green (1979: 202) compares the local group on the Swan Coastal Plain with the northern groups and comments that “Tribes to the north and north-east, who are far and confessedly superior to the Swan men in the ordinary use of the spear, are below comparison with the latter in fishing”. A quote from the Western Australian (12th November 1831) referring to the indigenous people of the Swan River states: “The accuracy with which they throw their spears is scarcely credible. Their mode of spearing fish has in it something by no means ungraceful, and the certainty with which they can strike even small fish at considerable distance in the water with a spear from fourteen to sixteen feet long, is astonishing....” This long spear which never left the hand of the thrower was known as a *gidgigarbel*.

One of the main activities in the summer season was the migration of the Australian salmon, known by local Aborigines as *melak*. It was during this season that fishing became an intensive and sometimes cooperative activity, driving fish inshore to be speared. It was at times, such as the salmon run, that considerable quantities of fish would be consumed and shared with neighbouring groups. To maintain a hunter/gatherer lifestyle, it was often a matter of “feast or famine” as weather conditions and the availability of food were not always predictable. Thus it was essential to consume as much protein and fat as possible so that it could be stored in the body and utilised during times of famine.

One of the attractions of the Cottesloe coast in summer – and this also applies today - is the regularity and cooling effects of the sea breeze in summer, known by the indigenous people as *gulamwin* (south-westerly breeze).

To be able to survive in a pre-European environment the indigenous people had to develop numerous means of predicting the weather and the availability of food. This knowledge was highly specialised and involved an understanding of meteorology (such as wind direction) and astronomical movements (such as star and planet movements and moon phases). Birds, animals and insects were also used as natural indicators of weather, seasons and food availability, such as fish runs (see Macintyre and Dobson 2004).

A commonly asked question is how did indigenous people survive on this dry coastal belt. It would appear that they had a number of strategies for obtaining fresh water. Occasionally water was found on the leeward side of sand dunes that had been eroded by wind and water down to the water table. In some cases these soaks had to be dug out and regularly cleaned. Another means of harvesting water was to collect it from the surface of the sea (*kappi wodern*). Freshwater feeds into the limestone reefs via underground springs from the water table. During low tide and calm weather, freshwater which has a lower density than salt, floats on top of salt water and can easily be seen as a type of oily slick. This oiliness is the result of iron in the freshwater. Water would have been harvested from the surface using a paperbark *yoralla* (carrying dish). It is highly probably that fresh water seeped out of cracks in the limestone cliffs and outcrops along the coast at Cottesloe and Mosman Park. It should be noted that up until the 1950's Aboriginal people were resident in the Swanbourne area and utilised the coast for fishing activities, as some still do today.

The religion of the *Mooro*, like other indigenous people throughout south-western Australia, was deeply involved with mythology relating to the Creative Period or Dreaming (*Nyitting*). Other aspects of *Mooro* religion involved the restoration and revitalisation of bird, animal and insect species through 'increase rituals' at certain places.

It is believed that indigenous people consumed most species of fish, the most common being yellow-finned whiting (*Sillago schomburgkii*) known as *mudu* (or *muda*), Australian herring (*Arripis georgianus*) known as *naralung*, pink schnapper (*Chrysophrys auratis*) known as *ijarap* or *cuttuck*, tailor (*Pomatomus saltator*) known as *margyn*, king george whiting (*Sillaginodes punctatus*) known as *culgutta*, Southern Australian salmon (*Arripis esper*) known as *melak*, buffalo bream (*Kyphosus* sp.), sea mullet (*Mugil cephalus*) known as *kalkada*, and cobbler (*Cnidoglanis macrocephalus*) known as *karalya*.

The above paper is derived from information compiled by indigenous heritage specialists and long-term Cottesloe residents Ken Macintyre and Dr Barbara Dobson. The materials are the result of many years of anthropological research based on an examination of historical documents and extensive interviews with Aboriginal Elders from the Swan Coastal Plain.

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