Start here.

Ecosystems around the vorld areto being put under increased and levels of pressure. While some ecosystems have been able to cope with this pressure, others have been less reisilient apper now classified as "eco-systems" at risk. This pressure on evasystems stems from a large number of varying Pactors. These factors are both natural and man-made.

One ecosystem at risk is Intertidal Wetlonds, and more specifically, the intertidal metlands at Careel Bay, located in the Pittwater, North of Sydney. This is one of the last remaining healthy intertidal netlands system in 700 the inner sydney Region. It consists of saltmarsh and mangrares and is now managed and protected so as to try to ensure its survival. However this was not always the case. In the previous century, this intertidal wetland, along with many more in The Sydney region, was viewed as worthless, "smelly" and something of no consequence if lost. This misinformed view led to a variety of actions by the locals and gouncil that were had extremely negative effects on the ecosystem.

These human areated factors are the main reason Careel Ray is chassified as an ecosystem at risk. The actions included use of the area as landfill. This had the effect of "reclaiming" some of the vettands, which the council saw as positives Another action was the use of the metlands as bike tracks by the weal bids. Due to the extremely fragile nature of the plants in the Sold marsh such as Sorcocornia, this was detrimental to several areas of the marsh. Another the factor was the draining of excess effluent and stormenter into the boy via the intertidal wetlands. This provided excessfult and nutrients, once again upsetting the fragile equilibrium in place. One last human factor was the use & domestic pets of the salt marsh and mangrones as hunting grounds and praces to delecate.

All these factors combined to put the intertidal methands in a critical condition. Salt marsh being the wore flegile of the ecosystems present, took longer to recover and mes therefore overtheen by mangroves in large parts. Just when it cooked as if the methands might be on the way out, people began to realise Additional writing space on back page.

grounds for fish and other marine life. The council was the body that storted management startegies in the 1990's. These strategies are still in place and include a boardwalk to minimise trampling, fencing to climinate access by people and do nestly animals and education to inform people and valp them become aware of the issues. Also, a riparian buffer zone of plants and these was planted around the edge of the old tip to minimise leaching of harmanicals and heavy metals.

These management strategies have helped to reduce the impact of most of the human factors, and although it is still an ecosystem at risk, the future is lacking brighter for the careel Boy Intertidal Wetlands.

Once again, most at the Stress factors that
cause the cuc priving National Park to be
one ecosystem at risk are human induced.
Unlike Careel Bay, there are currently minimal
or poorly implemented management strategies in place
to deal with, and minimise the impact of these
shest factors.

Start here.

Human presence virtuout formed paths has caused soil compaction and erosion, both of which negatilely inject the an ecosystem by making it harder for plants to take rost and easier for valuable nutrients to be wested away with the top soil. Rubbish is present and this is another example pointing to wining management Strategies being put in Place. While the resettlement of inhabitants was one strategy attempting to reduce human impacts; it too has failed, with firewood and food SHII being collected from the National Park. Part of the reasons management Strategies barrant been implemented could be trat Viedram is a poor country and harlifore rant pour the same amount of money into conservations
That Australia can Hospitalis These examples shows the challenges of protecting ecosystems at risk throughout the world, and shows that most Ectors currently placing ecosystems at risk one human induced. While management strategres gan be effective, sometimes it is difficult to do so. However if we are to continue to enjoy the benefits of these natural places, we must find some way of extentively reducing or elimin other these factors gutting Lese ocosystems at risk.