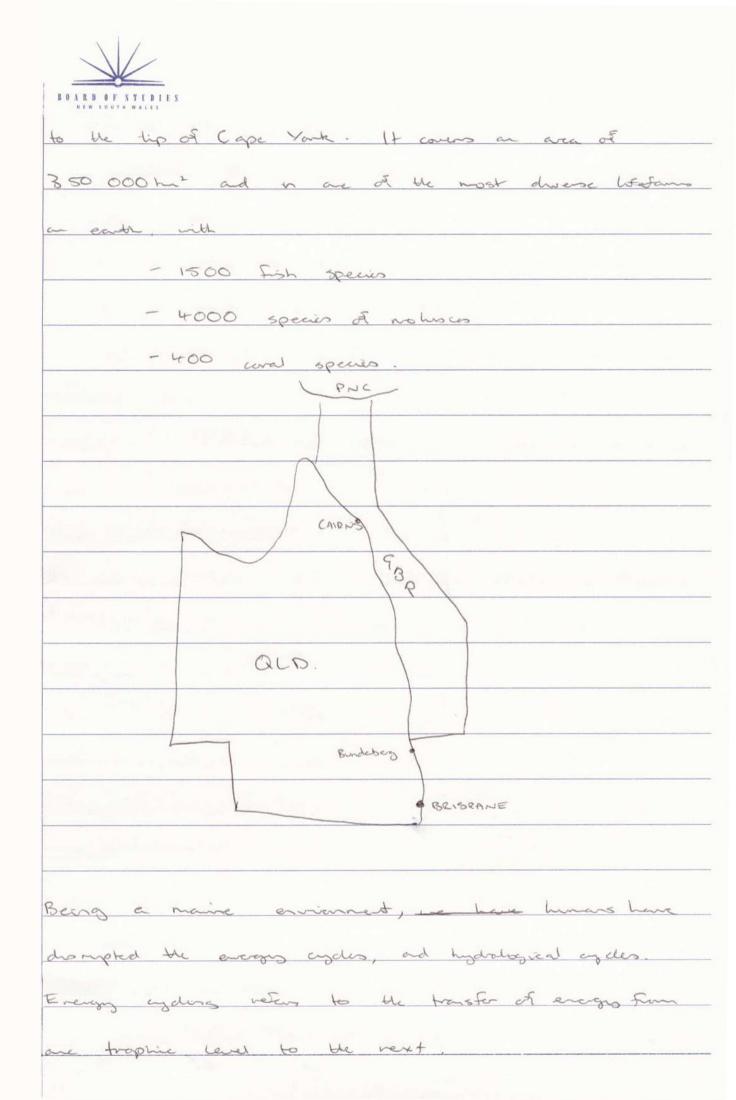


QUESTION 19.

Two ecosystems that have been put at risk addictions have been the Great Barnier Reef (GBR) a Northern averslad and Antartica. An ecosyptem ca be defined as he interactions of both plants and annalo through. only physical processes but also through chemical means Humais have placed stress an ecosystems for thousands of years, For 50 000 years Anotralian Abanginals have been Frestick ferning, Though our vput ito be ecosphere gradually supplied exosyptans resulting in a lack of reschence We have manage to change the dynamic equil brein of many ecosyptems, ad not very recently we decided that recognitions are a scarce resource that needs to be protected. The GBR and Antaching been exploited by humans For many year, but are getting the recognist in that they deserve, as fully natural

the GBR in the largest living name park in the railed and stretches For more than 2,300km up are analysis court west, from just north of Budubery





plants > betowar > secondary Through arefoling on the GBR 05 natural predators the Com of Thomas stertish are become Usually out breaks problem any happen, one years but now due to entreptication arching, they are becomes been able to modify the GBR through chanteal disription, replacement of natural system and water temporator. Nowever, the most damage has been cased by chemical domphin and sol by land based The non problem that faces any word reed exosystem is nutrent vich waters that vector vossise algae bloms, thus snotherng the coral and resulting in coral bleeching. Over the last 150 years, due to and down he cest coost, especially intensive farming up discharge cartains 40% sigo une formy, river 55°10 natrogen, both dyer to phosphoms



This los accord to fold some the 13th asking results and a correct bleaching, can of them startish putbreaks and algae blown. The accord level of nutricitis has been carried by the fertices and protected that femore use. These, placed as the land, leach who the souls and are hadly into the niver supplement. Another human indirect modelication that causes entrophyciation has been defermentation. By authors down the trapped varieties this leaves the nutricity mid said exposed to crossin, the off familie land flow shought with the lagrans and allotte verbs. This whole powers in speed each source to anything.

Churche change not and offects the abr but the ecosphere as ecosyptems either conditions. ecosystems buring forsil fuch layer breaking orane , tre process accelerated. This has been nodification that ill evertually death of the GBR. It is predicted that



years Greenhouse goses well have readed high orangh
lucks to halt catenfaction within the oceans. These the
CIBR rests corals will become brittle and subject on
Intereste to charge. A single starm could imper out
a entre rest.
Honever, while global carries can't be coved any time
soon, the Creat Barrier Reet Mane Park Authorty
has produced a document to try and marange the CABR. The
nain foral & point has been a zame the reof its defent sections and dimenshing activities that conflict
with the author, such as comprecial Ishaing and scruttie
research. Broadly, there are & deferred races.
· Ceneral Use A, B.
· Marine Park A. B · Habitale Protection zone
· Eisteraine Conservation Zare
· Caseration Park Zone
· Screttic Research Zone
· Natical Park zare



· Preservation Zone. Anteretica, while being considered the lost great wilderers too ordiced modifications. The 14 sandre all but 3°10 of it 90% of the sleet coves is trapped in Anteretricas with 70% Fresh water. At sports the some 5 km think. ROSS SHELP · South Pole N. 2



Generally speaking Antartica is plagued by three himan achieves, they have been:

- · Climchie Change
- " Exploitation of the Southern Ocean, and
- · Pollution: Scientific research

Like the CBR, Antactica has experienced a polonged sind of Unahic charge Millians of years ago it was part of the great "supercontract" Panga and us covered with tenseate recuferpest, Tuday it is the drist 2 orches of varion peruma less the The emporer of CFC's ad has broken down the ozone larger wer Antachica more Ultra Violet (UV) rendration resulting in high vale of Albedo, much of reflected away but as the whole begins to alobal harming. This is the it could lead threat to Antarchic sea levels by 200 feet it could varie globally



For certaines Antachicos mich cates have been explosted for Joh, knill, seals and wholes, While sealing was stepped with the introduction of the Antachico treaty, who will occurs with mind capacity. Also had a paved on transfer for John and knill numbers which is especially important as knill is the steple diet. For 90% of the name armsto.

For most engine non Antarticas the , therefore the world's ocean annest 3 naritine pollution ends up their. Antachias Macquarie Island se have want pollution in the world with all planties and duped in the ocean ending up there, both of which not biodegradable. Also throughout Antarticois oil and toxins han scientific history mossive arouts of been left Never any how are they burs the factions of the revolution of varde from the Cosy Bose on the wants next ten year

