

Humans where ever they go bend to leeve an impression on the land. Nature can care this forme fines, but with Julnerable ecosystems. the time to cure can take millions of years Cord neeps are developed over willours of years, and form the largest living organisms on this the plant. Elet lands ave dutricette ecosystems theet act as a natural filter, that continually build up over time. Human latereaction has caused duematic impacts affecting the datare, and the pate of Charge within these ecosystems

BOARD OF STUDIES The Great Barries Reef is located on the East coast of Australia. It loggins & South of the Equator around lody Eddiat Isantal and extends 2000 kiloweters to the fly River Mouth in the built of Papter Wew Cinea 8° South. The queat Barrier Reef Murine Park covers en avec of 395700 knit and was established in 1981 for as an attempt to alter the deverstation of human Impacts. Coral is a very fragile organism lerviving in a temperature range between 26° c and 27° c and cut Intricate Ph nange. The blodiversity of the Great Barrier reaf is driverse but members are dwindilling due to fishing, consumercial and nected housed.



there are over 1500 fish Species, 4000 Molluses and more then 250 Coral Specres. Fighing hus altered the natural food chain and fo the brodiversity with in the ecosystam is attend and becomes unbalanced. Industry produced s pollutonts that can alter the Clarity and chenned balance of the water Sewage theatment works in nease the level of ph killing the correl. Indurstry also encovereges the export and Insport of goods from overseas countries, This teach to the Introduction of new Spicies - and with no matural predefars in a new environment, con dead to the devastation of the ezosystem. The Crown of thorns Storfish is on example of this, because with

V ROARD OF STUDIES 10 natural predators in the Great Barrier neef, consumes and nepucluces in the reef of high notes: This decreases the brodivesity and the GBR is changed at an increased nete. Pollution on the rags destrayes the network brodiverty cond hers a great win pact on the rate of change - causing antidicial maneases that nature cannot been pace with The Macquarie Marshes located in the North west requers of NSW Acestralia neor warnen, is responsible for the filtration of white from the Macquerie River That extends from

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BOARD OF STUDIES Bathurst te the Morshes. The Macquarie River passes through a queet ellersity of Agricalfacel land neverney from Dairying Sheep, Cattle, wheat & cotton, and the These Industrije, nequine alot of coate. The Marshes itself covers an area of 15000 Emil will obout 10%. Corry protected by a nettonal Human Impacts are not directly Milocated on the Marshey, the Whole river is pesponsible for the outcome of the Margulore Marshes. The development of Burnendoney Dann wear wellington, led to a dramatic charge in the plataral Course of the liver. Meriously the Kiver avas prove to frequent flooding

V BOARD OF STUDIES and frickding flages throughout the year. The Margueerie Marshes had adapted to this septem and flourished. However the Dann had caused a more continous flow of the viver, allowing farmers to have a steady water supply. This led to the darkers in fized of the macquarie marstes, and the flimination of population nombers and populations due to the decreased extent of the habbitat. The Murry lod and Cat fish retiged reliced upon the livers fluctuations the meed, now their numbers have decreased and duringuled due to the human longaet of the daw. The Constant flow of wate means that the Moustes one constantly exposed to the polluted new affo from agricultural chemients. These Musachickdes

BOARD OF STUDIES and herbicides can destroy the natural habbitetes and brochversite und promote algere blooms, predominatly blue-green algae that choke the ecosystems. The introduction of the feval pros, gods, Sheep, buffalo wite the Macquarie unastes has feverly altered the natural functioning of the easystem. Humans have altered these feel afready valuerable ecosystems, and the but come of the better cations have been devastatily. The restructure of food web and chain hierorchial systems, destruction of habbitat, increased pests, pollutants are all beaching to the destruction of the 1005ystems that

BOARD OF STIDIES have increaged the note of charge, a change that is not natural and not alle pled by nature will decente the extinction of anothe en