

a). i). The	Mabo Judge	ment -	- deals u	with Inq	1 India	enous
Australians	refusing to	allow	mining	on a ce	entain	site,
claiming the	at the land i	e their	natural	benitac	10 .	

ii). A decision has not yet been made, but if mining is prohibited in this site, valuable ore deposits will not be mined and will go to waste.

b).i) Cadia Hill gold mine - factors that need to be considered are the life span of the mine, and the grade of the one.

Life span-if the max mine has a short life span, it would not be worth mining and spending so much money operating the mine, as profits would be low.

Grade - if the ore is a low grade, it will not be highly valuable, and feasibility of operations the profits from the low-grade one will not make up for the high feasibility of mining the deposit.

ii). One government policy is the maintenance of water quality. While mining, waste



materials may enter the rivers and waterways, exertually entering of killing aquatic life and eventually entering drinking water systems. This policy has ef affected the decision to mine at Cadia Hill, but after agreeing to regularly monitor water quality, the mining was allowed.

- c). Little profit was made when the mine had first opened for the first few & years. Gradually profits increased in the 90s when the mine's lifespan was coming to an end. From the data, we can conclude that prices of zinc increase when supplies are running low, but decrease when supplies are high.
- d);). Magma contains nich sources of different ions, so when the plume of the smoke falls to see wester, it reacts with the rocks found deep beneath the secul. As a result, base metal mineral deposits are formed.

  ii). One exploration method studied is diamond bit



drilling, which requires drilling deep in the ground to extract samples of one for analysis. This method would not be suitable to locate mineral deposit in on ancient island are setting, at as it involves high levels of air and noise pollution and may extreme vibrations. This will impact greatly to impact aquatic life.

e). The deposit studies is Cadia Hill gold mine. The exploration method is to use diamond but drilling which creates heavy air and noise pollution in the surrounding environment.

The mining method is open pit, and requires
blasting of the pit using explosives, and this to likely to cause air and noise pollution. Waste
materials may enter waterways, destroying
aquatic plants and animals.

Processing the one requires large amounts of energy, as it involves grinding, centrifuging and froth flotation. It is likely that the waster materials may enter unterways, destroying

