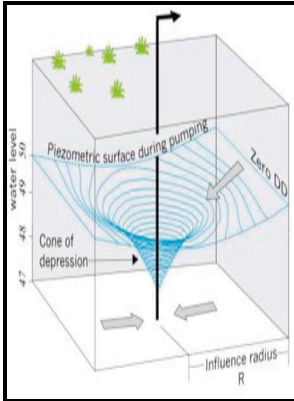


The impacts of coal mining on surface water and control measures therefore

s.n - 12 Environmental Effects of Coal Mining



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Effects of coal mining in Jharkhand (India)

Despite the fact that trade-offs exist between environmental sustainability and food productivity; it is important to develop balancing solutions to reduce pressure on the already stressed natural resource base and local livelihoods. There is growing public concern about the condition of fresh water in Canada. There are five 5 longwall mining panels Fig.

12 Environmental Effects of Coal Mining

Meanwhile, the Romans developed many mining techniques to make the process more efficient. Above ground waterways near mining sites are often contaminated with heavy metals, acid mine drainage, toxic elements, and dissolved solids.

Coal mining impacts on catchment runoff

Finally, the ore or other resource must be processed to extract the metal or material of interest. Trout are thought to be as vulnerable to the changes in water quality because of their long residence in fresh water. Environment problems related to coal mines are discussed below: 1 Air pollution: Air pollution in coal mines is mainly due to the fugitive emission of particulate matter and gases including methane CH_4 , sulphur dioxide SO_2 and oxides of nitrogen NO_x .

What Is the Environmental Impact of Mining and Burning Coal?

Mining operations mobilize large amounts of material, and waste piles containing small size particles are easily dispersed by the wind. After undergoing a cleansing process, coal is typically burned in order to produce electricity.

ENVIRONMENTAL ENGINEERING SOLUTION: Environmental pollution in coal mining and its mitigation measures:

To ensure that any utilisation of the ecosystem is sustainable. Following World War II, DDT and related chlorinated hydrocarbons were introduced as potent new pesticides and were used throughout the world for protection of agricultural crops, as well as control of mosquitoes, lice,

and other human pests. Environmental Impact Of The Coal Industry On Wildlife Because the coal industry has a negative impact on air, water, and land, it is also detrimental to wildlife.

Effects of coal mining in Jharkhand (India)

This is known as acid mine drainage.

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