

Environmental Impacts Of Quarrying, Mining And Dredging

1) Research mining, quarrying and dredging activities

Links: www.goodquarry.com; www.qpa.org; www.bgs.ac.uk/mineralsuk; www.aggregain.org.uk; www.wrap.org.uk; www.bmapa.org)

2) Think about how and why these activities may cause environmental impacts. Consider the significance of the impact: whether the impact is negative or positive, whether the effects are direct or indirect, permanent or temporary, immediate or delayed in effect, and the duration or frequency of the impact

3) How do mining/quarrying operations minimise these impacts? Can you think of any other ways of minimising impacts?

Quarrying/Mining/ Dredging Activities	Potential Impacts	Significance Of Impact	Ways To Minimise Impacts
<p>The removal of top and sub-soil to access the required resource underneath the earth</p>			

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Quarrying/Mining/ Dredging Activities	Potential Impacts	Significance Of Impact	Ways To Minimise Impacts
The mechanical handling of minerals			

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Quarrying/Mining/ Dredging Activities	Potential Impacts	Significance Of Impact	Ways To Minimise Impacts
Removal of wild area for site operations			

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Quarrying/Mining/ Dredging Activities	Potential Impacts	Significance Of Impact	Ways To Minimise Impacts
The use of mobile plant equipment and a processing plant			

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Blasting to fracture or fragment the rock mass to enable excavation			

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The production of mineral waste			

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Change in/removal of land use			

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Physical presence of excavation site upon the water environment			

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Haulage of extracted resource			

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Quarrying/Mining/ Dredging Activities	Potential Impacts	Significance Of Impact	Ways To Minimise Impacts
The removal of marine aggregates by dredging			