

MINING MINERAL SANDS

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HMS



Heavy mineral sands and mineral sands are mainly mined by surface mining methods to extract the ore.

Three main mining methods:



Suction Dredging:

A suction pipe from a stationary dredger is pushed vertically into a sand deposit to help bring the sand up to a reclamation area using barges or pipelines.

Open Cut Mining:
Scrapers and bulldozers are used to mine higher grade deposits that contain harder materials or that have layers.



Hydraulic mining:

A water cannon with powerful jet of water is used to dislodge minerals from rock or sediment into slurry for separation.

We understand the Heavy Mineral Sands and Mineral Sands Mining Value Chain, and deliver customised solutions to our clients.

Sources:

<https://www.minerals.org.au/>
<https://www.mineralcommodities.com/products-sales/mineral-sands/>
<http://earthsci.org/mineral/mindep/minsand/minsand.html>

