

## Rex Minerals Hillside Mining Proposal, Yorke Peninsula.

1. It is not clear what actions are proposed to ensure that there is no seepage of contaminants into the Gulf St Vincent.
2. There has been no historical baseline data gathering that I could find in the proposal about the marine flora and fauna that may be affected by any such contamination of the marine environment.
3. Land and shorebird surveys are limited to a snapshot point-in-time survey. Historical data is lacking. A general comment is made that there are likely to be migratory shorebirds species which would seldom be encountered (or words to that effect).
4. However, this coastline is part of an important feeding destination for migratory birds from Siberia whose populations may be affected by a decline in suitable feeding grounds. An analysis of this issue should be included in the environmental impact assessment undertaken by Rex Minerals.
5. Remediation outcomes are not satisfactory. Consideration should be given to in-filling the open cut area. At the very least, all above-ground waste dumps should be removed, presumably into the open cut hole, to retain the characteristic rolling landscape features and vistas enjoyed by tourists and locals alike.
6. Given that the land would not be viable for cropping at the end of the mining phase, a program of broad-scale rehabilitation, weed control and revegetation with native grasses, shrub and trees should be undertaken by Rex Minerals with input from suitably qualified consultants. Rex Minerals should be required to fund this process for at least 20 years.
7. At the end of the active mining phase, the Mine lease site could become part of an enlarged Muloowurtie Conservation Reserve (currently on the boundary of the mine lease area) to ensure long term integrated management and rehabilitation of the area.
8. The impact of mineral and dust residues on immediately adjacent productive cropping land must be monitored. Baseline historical productivity data should be sought from the property-owners and Rex Minerals should also fund regular ongoing soil analysis and other necessary monitoring activities on adjoining properties. This would enable a proper analysis of the impact of the mining operation on cropping productivity and income.
9. Compensation for any identified loss in productivity and income on adjacent properties should be paid by Rex Minerals to the affected farmers.

Faye Lush

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1<sup>st</sup> November 2013.