

**Protein & Gene Club:
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**Six interesting samples of slime collected on 10 March 2009 from
Coorong Lagoon, South Australia**

John F. Allen
SBCS, Queen Mary, University of London

Abstract: Samples are presented of biogeographical, ecological, and possible phylogenetic interest. Can anyone help with elemental analysis, or with geological and microbiological characterisation? The six samples are of microbial mats. Five have the colours: light green; blue-green; pink; orange; and black. Of these, the last three were taken from the lagoon's hypersaline shore, adjacent to salt flats. A sixth sample is mid-green and taken from an isolated colony growing on top of the surrounding pink and orange mats. Michael J. Russell suggests, for the black sample; "Great picture John -- ...it could also be iron monosulfide ooze, produced via sulfate reducing bacteria". The location of the sites and possible significance of the sampled microbiota will be described and illustrated.