

ADDENDUM 1  
TO THE  
COWAL GOLD PROJECT  
EROSION AND SEDIMENT CONTROL MANAGEMENT PLAN

**PART A: TEMPORARY MANAGEMENT OF SALINE WATER DURING THE  
DEVELOPMENT OF PIT DEWATERING BORES**

**PART B: TEMPORARY MANAGEMENT OF WATER FROM THE BLAND CREEK  
PALAEOCHANNEL BOREFIELD**



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## **PART A: TEMPORARY MANAGEMENT OF SALINE WATER DURING THE DEVELOPMENT OF PIT DEWATERING BORES**

Part A of this Addendum to the Erosion and Sediment Control Management Plan (ESCMP) has been prepared as a result of Barrick's current scheduling which indicates that the tailings storages will not be constructed prior to the development of the pit dewatering bores.

Barrick propose that during the development of the pit dewatering bores (including the cleaning of drilling fluids and fine material) saline water will be transferred via pipelines from mud pits adjacent the drill rig to three (3) Temporary Holding Ponds excavated within the open pit outline and behind the lake isolation bunds. The approximate locations for the Temporary Holding Ponds are shown on Figure A (attached). Figure A also shows the modifications to the up-catchment diversion system, permanent catchment divide, internal mine access road and contained water storages as made in the application to the Minister for Planning under s 96(1A) of the *Environmental Planning and Assessment Act 1979* in June 2004.

It is anticipated that the development of the pit dewatering bores will result in discharge of between 20 and 500 kilolitres (kL) per day for up to several days per bore. The Temporary Holding Ponds will be constructed to safely contain between 5,000 kL and 10,000 kL. Detailed plans and/or diagrams (endorsed by a suitably qualified engineer) for the Temporary Holding Ponds would be submitted by Barrick to the EPA for approval.

Temporary erosion and sediment control systems for the construction of Project components within the mine site area (ML 1535) are described in Section 3.3.1 of the ESCMP.

The temporary erosion and sediment control system for the Temporary Holding Ponds will be consistent with those described on p.41 of the ESCMP for the *Open Pit*. Detailed sediment and erosion control plans (endorsed by a demonstrated expert in sediment and erosion control) would be submitted by Barrick to the EPA for approval.

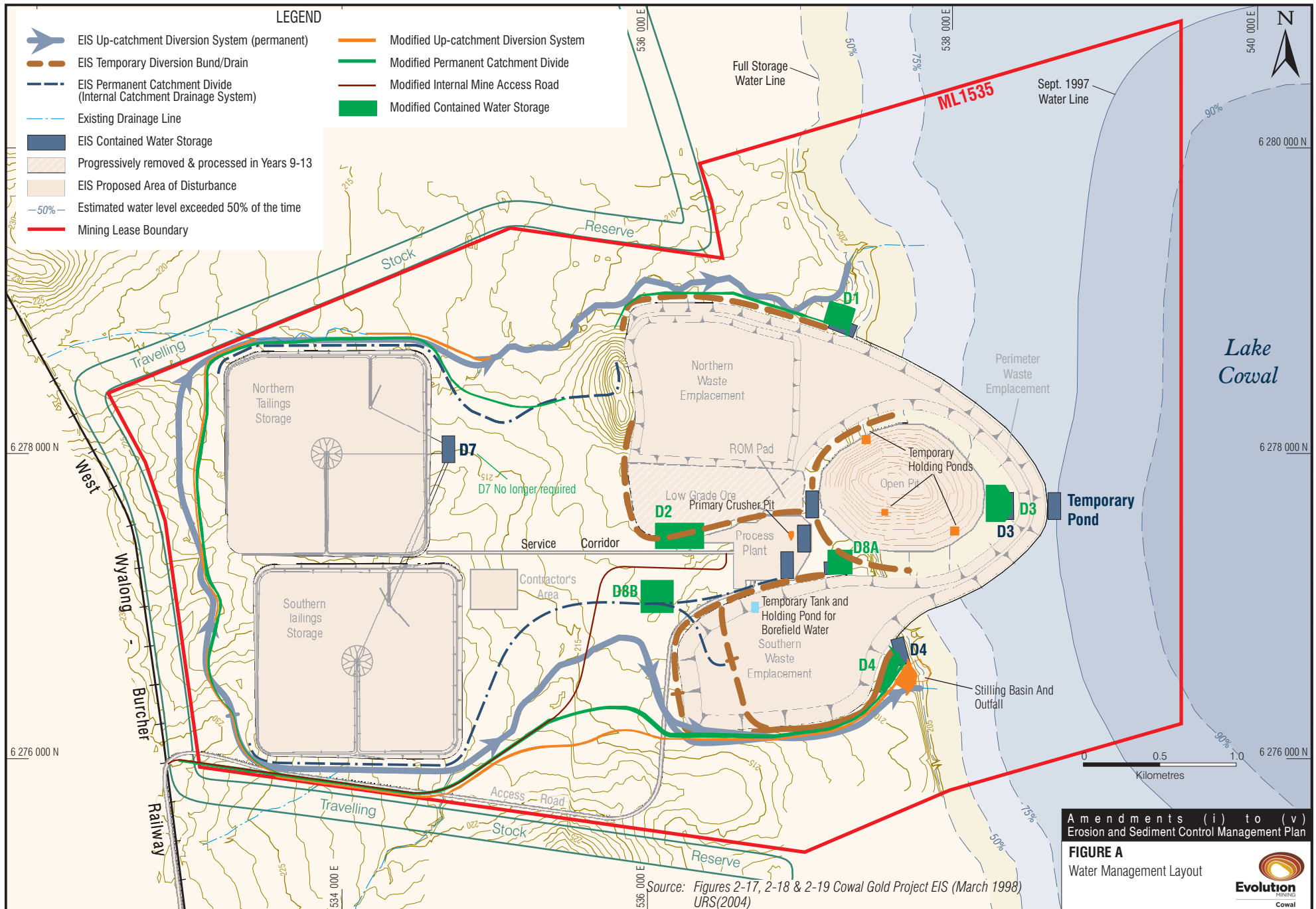
## **PART B: TEMPORARY MANAGEMENT OF WATER FROM THE BLAND CREEK PALAEOCHANNEL BOREFIELD**

Part B of this Addendum to the Erosion and Sediment Control Management Plan (ESCMP) has been prepared as a result of Barrick's current scheduling which indicates that the Process Water Storage (D6) will not be constructed prior to the production of water from the Bland Creek Palaeochannel borefield.

It is proposed that until the Process Water Storage (D6) is constructed, water from the borefield will be transferred via the pipeline to a temporary pipeline terminus located within the footprint of the Southern Waste Emplacement. Water will be temporarily stored in a tank and supplemented for any overflow by an earthen Temporary Holding Pond excavated within the Southern Waste Emplacement footprint. The proposed location for the Temporary Tank and Holding Pond are shown on Figure A (attached). Figure A also shows the modifications to the up-catchment diversion system, permanent catchment divide, internal mine access road and contained water storages as made in the application to the Minister for Planning under s 96(1A) of the *Environmental Planning and Assessment Act 1979* in June 2004.

Detailed plans and/or diagrams (endorsed by a suitably qualified engineer) for the Temporary Holding Pond will be submitted to the EPA for approval.

Details of the temporary erosion and sediment control systems for the construction of borefield and pipeline are described in Section 4.1.1 of the ESCMP. The temporary erosion and sediment control system for the Temporary Holding Pond would be consistent with those described in Section 4.1.1 of the ESCMP. Detailed sediment and erosion control plans (endorsed by a demonstrated expert in sediment and erosion control) would be submitted by Barrick to the EPA for approval.



Amendments (i) to (v)  
Erosion and Sediment Management Plan

**FIGURE A**  
Water Management Layout

