Northern Territory Environment Protection Authority

SECTION 14 INCIDENT REPORT (*Waste Management and Pollution Control Act*)

Date and Time of Notification:	EPA was notified via the Pollution Hotline on 29/11/2022
Person / Company:	GEMCO Mining Pty Ltd.
Incident:	The Eastern Leases Project Area experienced rain events on Thursday 24th November through to and including Monday the 28th of November. This resulted in water containing suspended sediment to run into the tributary of the Emerald River and the main Emerald River channel (Refer Figure 1,2,4).
(a) the incident causing or threatening to cause pollution	Water containing sediment from the construction area has flowed into two ephemeral branches of the Emerald River.
(b) the place where the incident occurred	GEMCO Eastern Leases Access Authority (AA31711) at: - Culvert CP1C2 that crosses a tributary of the Emerald River and; - The Arch Bridge on MC02 that crossing the primary channel of the Emerald River.
(c) the date and time of the incident	Thursday 24th November 12:30 through to Monday 28th November 18:00. At least 131mm of rain over the event period. ***Please note that these were extended rain events so the time is approximate only.***
(d) how the pollution has occurred, is occurring or may occur	An 8.5km haul road is currently under construction to join two GEMCO Mineral Leases. Rain events resulted in water containing sediments running into the tributary of the Emerald River and the main Emerald River channel.
(e) the attempts made to prevent, reduce, control, rectify or clean up the pollution or resultant environmental harm caused or threatening to be caused by the incident	Following each rainfall sub-event within the event period, all erosion and sediment controls were inspected to see whether any remedial works were required. This led to the reinstatement of coir logs that had shifted in each rain sub-event and a woah-boy that had been damaged on the 25th of November. All permanent controls were functional (sediment basins at CP1C2 and clean water diversion bunds). Temporary controls had reduced the volume and sediment load entering the waterway. Actions are ongoing to reduce the turbidity of water runoff from the site until final design is achieved.
(f) the identity of the person notifying the NT EPA	Michael Smith, Manager Technical Services; GEMCO

SECTION 14 INCIDENT REPORT (*Waste Management and Pollution Control Act*)

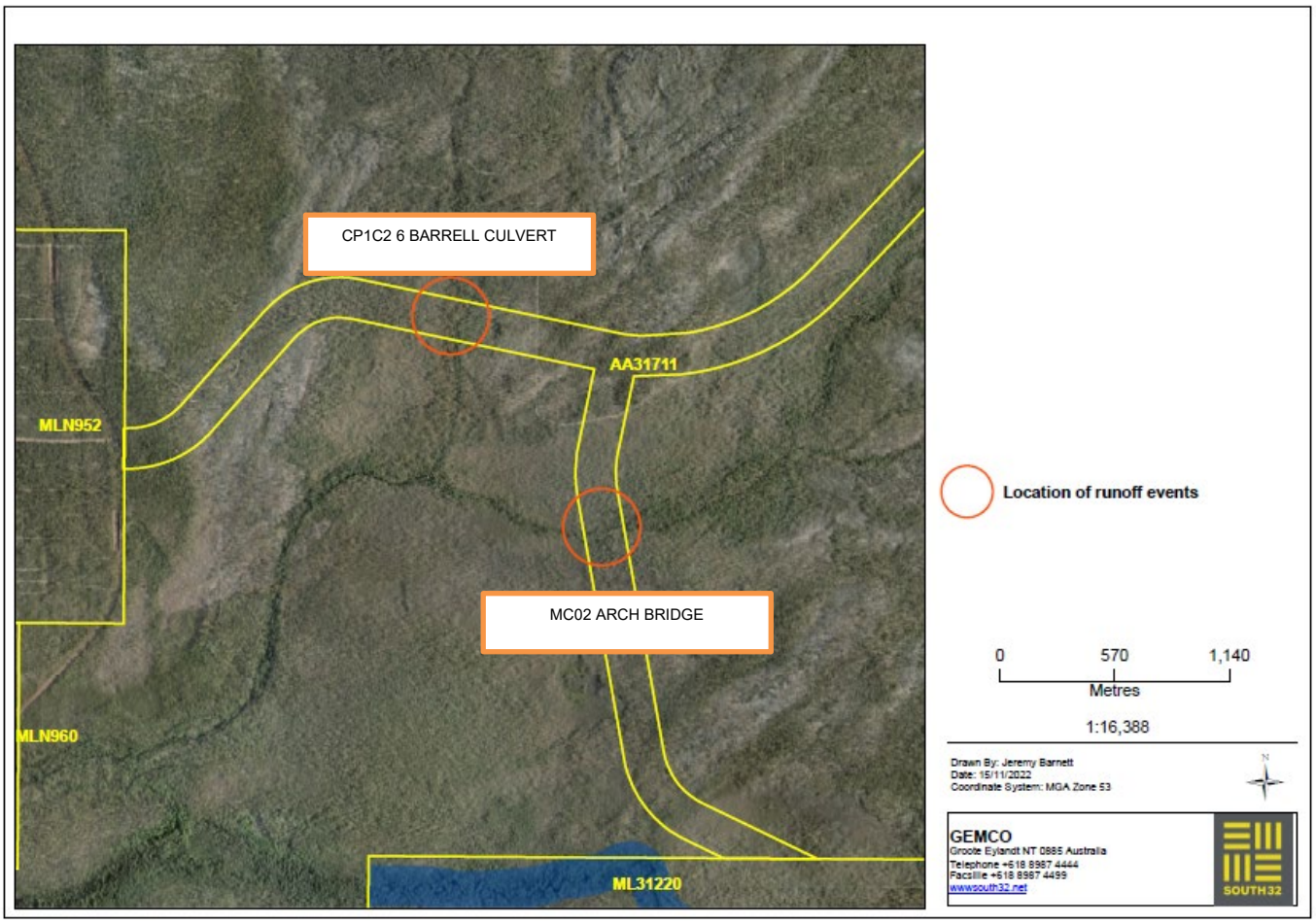

Figure 1: Map of location.

Location of runoff events along the Access Authority are circled in red.

Figure 2A: Arch Bridge over Emerald River.

Sediment event in Emerald River main channel. 9AM Saturday 26th November 2022 after a 46mm rain event on the 25th of November. Photograph taken facing west (downstream) from the temporary crossing.

Figure 3B: Arch Bridge over Emerald River.

Sediment event in Emerald River main channel. 29th November 2022 after 65mm on the 28th of November. Photograph taken facing west (downstream) from the temporary crossing.

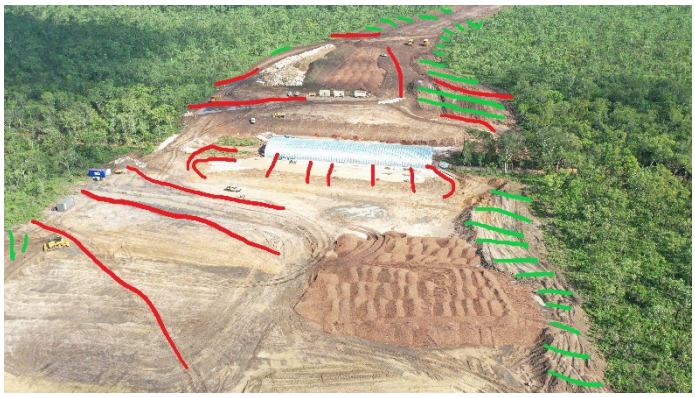

Figure 3: Arch Bridge over Emerald River.

Selected temporary controls in place at the time of all rainfall events.

Photograph taken facing north. Flow runs right to left across frame.

Green- areas that have been rehabilitated

Red- marks drainage lines/flow

Also visible are: clean water diversion bunds (to final design), coir rolls, rock checks, contours on roads to slow velocity and reduce catchment size.

Figure 4A: 6 Barrell Culvert (CP1C2)

Sediment event in Emerald River Tributary (CP1C2). 25th November 2022, 1PM (46mm). Photograph taken facing south (downstream) from the culvert crossing. Visible in the photo is a geofab rock check.

Figure 4B: 6 Barrell Culvert (CP1C2)

Sediment event in Emerald River Tributary (CP1C2). 29th November 2022 (65mm). Photograph taken facing south (downstream) from the culvert crossing. Visible in the photo is a geofab rock check.

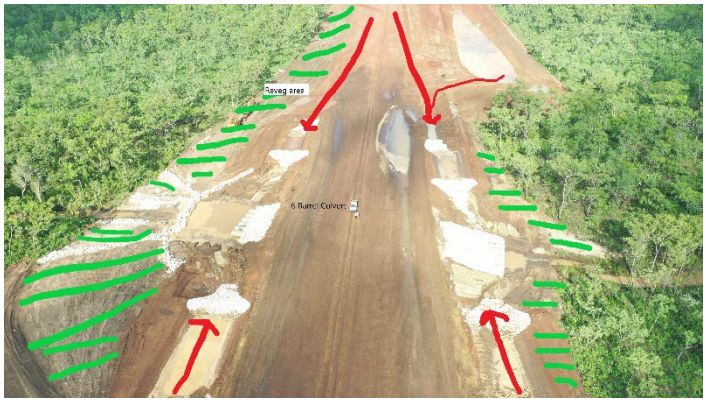

Figure 5: 6 Barrell Culvert (CP1C2)

Selected final and temporary controls in place at the time of all rainfall events. Photograph is taken facing west. Flow runs right to left across the photo.

Green- areas that have been rehabilitated

Red- marks drainage lines

Also visible are: clean water diversion bunds (to final design), coir rolls, floc block, jute matting to stabilise sediment basin outflow, sediment basins (to final design), contours on roads to slow velocity and reduce catchment size.