Northern Territory Environment Protection Authority

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

Date and Time of Notification:	EPA was notified via phone call to the Pollution Hotline on 15th November 2022, 14:24.
Person / Company:	GEMCO Mining Pty Ltd.
Incident:	The Eastern Leases Project Area experienced rain events on Saturday the 12th , Monday the 14th and Tuesday the 15th of November. This resulted in water with contained sediments running into the tributary of the Emerald River and the main Emerald River channel (Refer figure 1-3).
(a) the incident causing or threatening to cause pollution	Sediment-laden runoff from the construction area 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 crosses the primary channel of the Emerald River.
(c) the date and time of the incident	Saturday 12th November; approx. 12:00 Monday 14th November; approx. 13:00 Tuesday 15th November; approx. 14:00 ***Please note that these were extended rain events so time of event 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 on Saturday 12th November, Monday 14th November and Tuesday 15th November resulted in sediment-laden water 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 the rainfall event on Saturday 12th of November, a number of actions were carried out to reduce/minimise sediment runoff within the construction areas. These included the installation of additional diversion drains, reducing the size of runoff catchments, reinstatement of diversion bunds that were damaged by the rainfall event and diverting greater runoff volumes into sediment basins. An example is shown in Figure 6.
(f) the identity of the person notifying the NT EPA	Michael Smith, Manager Technical Services; GEMCO

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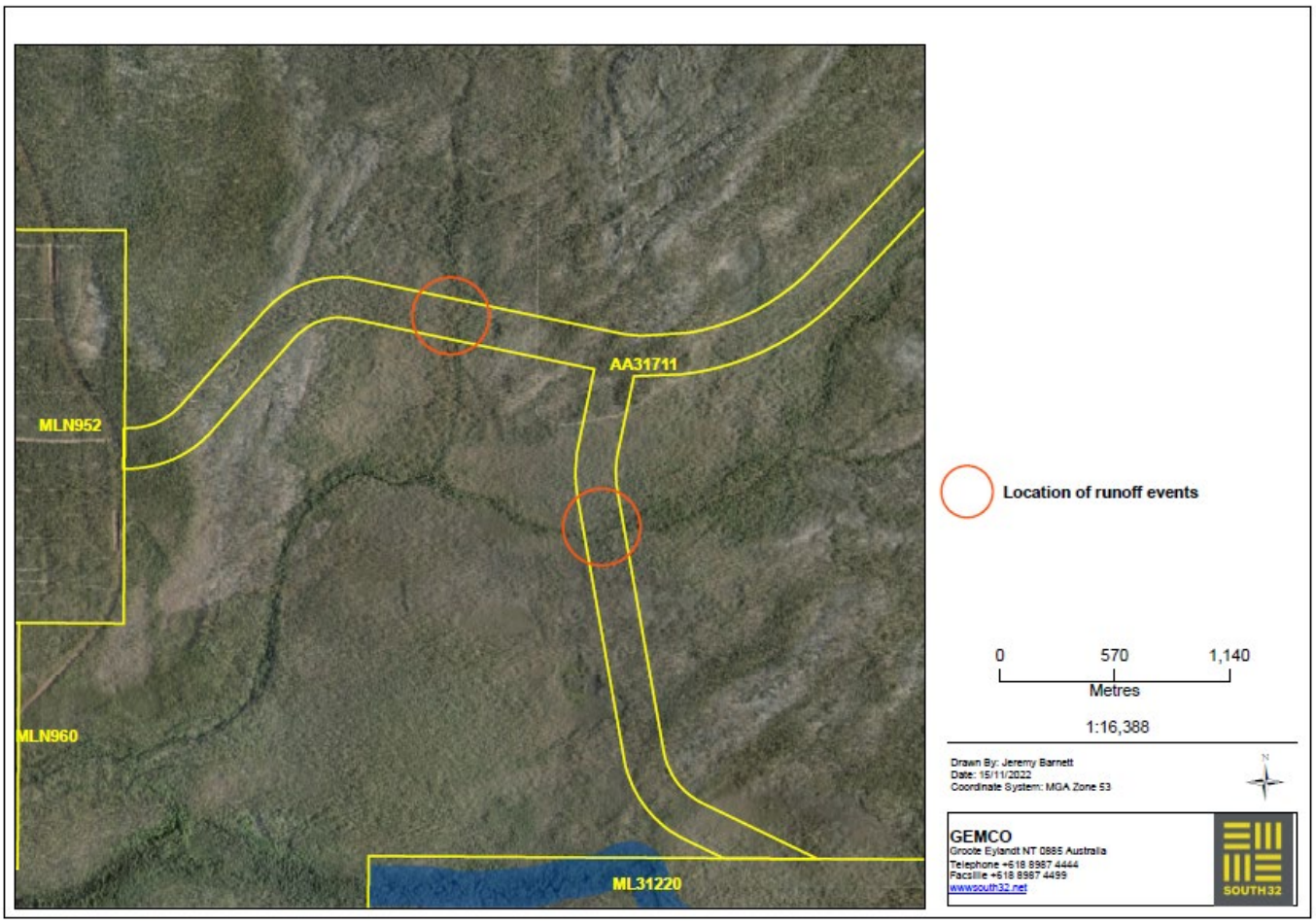

Figure 1: *Map of location.*

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

Figure 2: *Sediment event in Emerald River main channel. 14 November 2022. Photograph taken facing east (upstream) across the access authority.*

Figure 3: *Sediment event in Emerald River Tributary. 14 November 2022. Photograph taken facing north (upstream) across the access authority.*

Figure 4A: Sediment controls in place at the Emerald River main channel prior to the sedimentation events.

Figure 4B: Sediment controls in place at the Emerald River main channel prior to the sedimentation events.

Figure 4C: Sediment controls in place at the Emerald River main channel prior to the sedimentation events.

Figure 5: Sediment controls in place at the Emerald River tributary prior to the sedimentation events.

Figure 6: Improved frequency and size of diversion bunds in the catchment to the main Emerald River channel in response to the rainfall event on the 12/11/22.