

Quarrying is a term used to describe a specialized open-pit quarrying technique wherein solid rock with a high degree of consolidation and density is extracted from localized deposits (see **Fig 1**, for the detailed process flow). Quarried materials are either crushed and broken to produce aggregate or building stone, such as dolomite and limestone, or combined with other chemicals to produce cement and lime.

In accordance with the provisions of the Environmental Impact Assessment (EIA) Regulations No. 30 of 2012 gazetted under the Environmental Management Act, (EMA), 2007, (Act No. 7 of 2007), the Stone quarrying activities (Seal quarrying, processing and transportation) undertaken by IPMM is a Listed Activity and may not be undertaken without an Environmental Clearance Certificate (see **Table 1**).

Table 1: List of activities identified in the EIA Regulations (GG. 4878 R.29 of 2012) which apply to semi-precious and dimension stones quarrying activities in Namibia

EMA 2007 Legislation	Description of activity	Relevance to IPMM Pty Mine
Activity 3 (3.1 & 3.2) Quarrying and Quarrying Activities	3.1 The construction of facilities for any process or activities which requires a licence, right or other form of authorisation, and the renewal of a licence, right or other form of authorisation, in terms of the Minerals (Prospecting and Quarrying Act), 1992. 3.2 Other forms of quarrying or extraction of any natural resources whether regulated by law or not.	And the construction of facilities for the purpose of carrying out a listed activities The quarrying or extraction of any natural resources whether regulated by law or not.
Activity 4	4. The clearance of forest areas, deforestation, afforestation, timber harvesting or any other related activity that requires authorisation in term of the Forest Act, 2001 (Act No. 12 of 2001) or any other law.	The clearance of vegetation areas to allow the quarrying activity to take place

Therefore, IPMM and partners sought the services of Eviro-Leap Consulting to facilitate the compilation of an Environmental Management Plan for Obtaining the Environmental Clearance Certificate.

1.3 PROJECT LOCATION

The existing IPMM quarry is situated about 45 km South-west of Karibib central Namibia on mining claims 69320 and 69321 located on Farms Etusis No. 75 and Gamikaub West 115 respectively (see Fig 3), in the vicinity of Karibib Town in Erongo Region. The Mining Claims are within the southern Central Zone of the Damara Orogenic, a common geological formation of various topography in Namibia. From Windhoek (capital City), the site can be accessed through the B2 road connecting Okahandja and Swakopmund.

The new mining claims are all on Farms Etusis No. 75 and are not that far from the IPMM existing marble mine site with the Karibib district. (**Fig 2** Location of the site **and Table 4**, GPS coordinates). The exact site is located within distant proximity of two prominent marble quarrying operations namely the Omusati Mine and Purity operations to the North-eastern side and the Navachab Gold Mine to its North-western side.

Table 2: GPS coordinates of the IPMM and Partners Mining Claims

GPS POINTS	LATITUDE	LONGITUDE
Mr. Michael I. T. Petrus	22°14'53.51" S	15° 37'46.03" E
(Mining Claim's No. 70657, 70662-3, 70685-7, 70698-70701)	22°14'26.67" S	15° 41'24.86" E
	22°14'38.42" S	15° 41'52.68" E
	22°14'13.81" S	15° 43'44.00" E



Fig 2: Locality Map of IPMM quarrying site on Farm Etusis No 75, also depicted is the alternate access routes

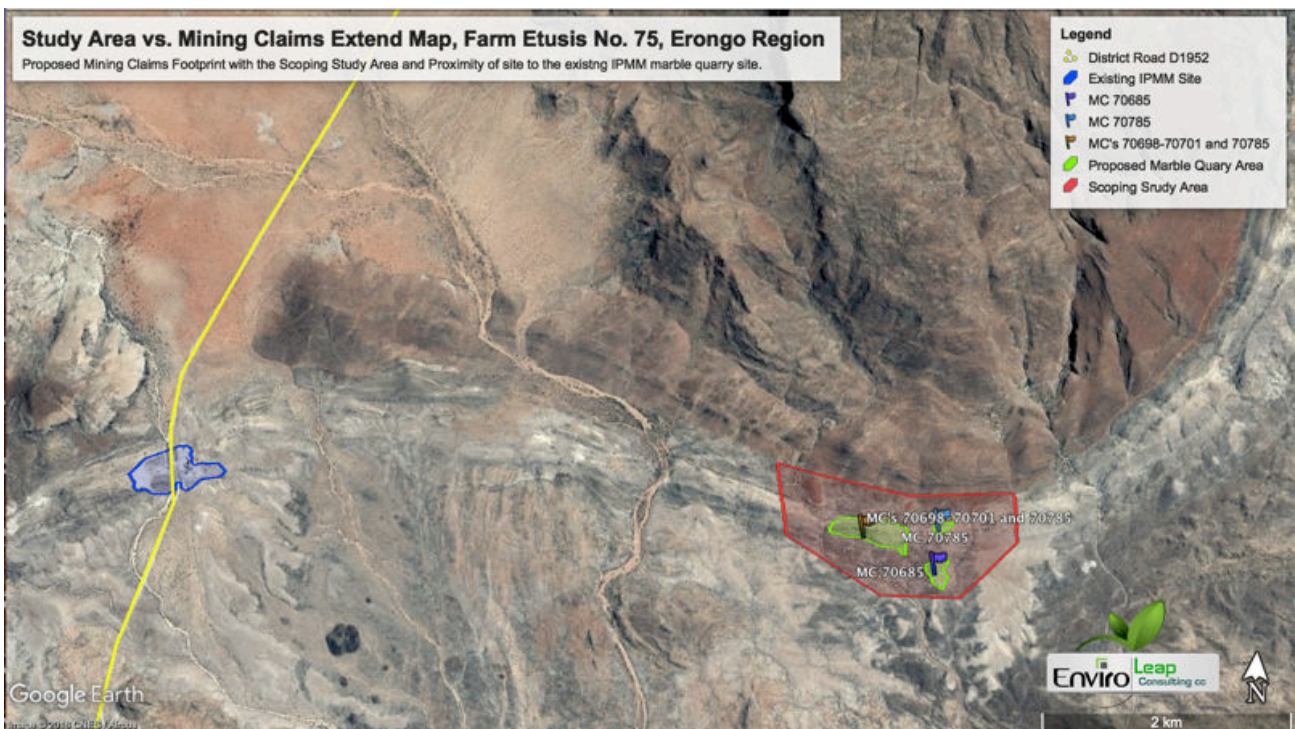


Fig 3: Current IPMM quarrying activity extend / footprint (lightgreen polygon) in proportion to the approved Mining Claim area