

Deposits			
DepositId	Title	Commodity	
138149	ACQJE	Nickel	f
138160	ACQJE	Platinum	f
137898	ACUPAN	Gold	f
137312	ADARO	Coal	f
137801	AGATA	Gold	f
138123	AGATA	Nickel	f
138205	ALAMINDS	Limestone	f
137769	AMPAK	Gold	f
137971	ANDILI	Gold	f
137897	ANTAMOK	Gold	f
137354	ANTANG GU	Coal	f
137889	ARAHURA V	Gold	f
137782	ARCHANGE	Gold	f
137341	ASAM ASAM	Coal	f
137596	AWAK MAS	Gold	f
138152	BAHUBULU I	Nickel	f
137954	BALABANG	Gold	f
137917	BANAHAW	Gold	f
138180	BANGKA	Tin	f
137364	BARAMUTIA	Coal	f
137348	BARITO UTA	Coal	f
138052	BARDI	Gold	f
138111	BARRYTOW	Mineral Sand	f
138007	BASALA	Gold	f
138033	BATICANG	Gold	f
138222	BATICANG	Limestone	f
138183	BATU BESI	Tin	f
137489	BATU HIJAU	Copper	f
137677	BATU HIJAU	Gold	f
137796	BED-BED A	Gold	f
138182	BELITUNG	Tin	f
137317	BENGALDN	Coal	f
137328	BENTALA	Coal	f
137321	BERAU	Coal	f
137547	BERUANG B	Copper	f
138022	BERUANG B	Gold	f
137367	BHARITO EK	Coal	f
138143	BIENVENUE	Nickel	f
137905	BINALIW	Gold	f
137797	BINUCONG-	Gold	f
137322	BINUNGAN	Coal	f
138060	BISMARK	Gold	f
138019	BLACKWATE	Gold	f
138155	BOAKAINE	Nickel	f
137561	BOBARIS	Diamonds	f
138142	BOGOTA	Nickel	f
137331	BONTANG	Coal	f
138056	BORINGOT	Gold	f
137350	BORNEO	Coal	f
137514	BOUGAINVIL	Copper	f
137545	BOYONGAN	Copper	f
138018	BOYONGAN	Gold	f
137370	BUANA BAR	Coal	f
137873	BUDA	Gold	f
137816	BUENAVIST	Gold	f
137330	BUKIT PAH	Coal	f

### ADARO (includes Paringin, Tutupan and Wara)

**Commodity:** Coal

**IsProducer:** True

**Location:** Tanjung district, Hulu Sungai Utara and Tabalong regencies, South Kalimantan.

**ManagementOffice:** PT Adaro Indonesia, World Trade Centre, Suite 704, Jln. Jendral Sudirman Kav 29-31, Jakarta 12920, Indonesia. Ph: (62 21) 521 1265. Fax: (62 21) 521 1266.

**MineOffice:** Adaro mine, PO Box 110 TTB, Tanjung Tabalong 71500, Kalimantan Selatan, Indonesia. Ph: (62 526) 21 997/8. Fax: (62 526) 21 996

**ManagementContact:** Ah Hoo Chua, general manager.

**MineContact:** Putu Sastrawan, operations manager.

**Geology:** The Adaro coal resources are contained within seams in Miocene sediments. The coal reserves consist of seven coal seams ranging in thickness from 20m to 40m in the major seams and 5m to 20m in the minor seams. The coal has a specific energy of 5,800-6,000 kcal/kg with 16%-17% inherent moisture, 1% ash and 0.1% sulphur.

**ResourcesReserves:** Measured, indicated and inferred resources of 1,800 Mt. In November 1998, these included: Paringin 110 Mt, Tutupan 695 Mt, and Wara 1,015 Mt.

**Operation:** Open cut.

**Treatment:** Crushing

**PlantCapacity:** 22 Mtpa.

**Comment:** Adaro was the biggest coal producer in Indonesia and the biggest open cut coal producer in the southern hemisphere. Its planned capacity of 20 Mtpa would arguably make Adaro the world's largest exporter of sub-bituminous, steaming coal. In addition, future plans were to increase the capacity to 30 Mtpa with the construction of an additional 10 Mtpa facility at Kelanis plus an upgrading of the haul road and introduction of additional mining and hauling equipment. PT Adaro Indonesia had been established under a coal co-operation agreement between New Hope Corporation Ltd (through Indonesia Coal Pty Ltd), Mission Energy and PT Asminco, in 1982. The operating period under the agreement was 30 years beginning in 1992 and expiring in 2022 and could be extended. Adaro was a steaming-coal deposit with among the world's lowest sulphur and ash content. The mining operation began in 1991, exploiting seams ranging from 15m-70m thick, spread over four blocks. The first two years of production trialled the development of a higher moisture sub-bituminous coal for the first time for export markets. This exceptionally clean coal required no washing and was sold under the 'Envirocoal' trademark. By 1994, the product had gained acceptance nationally and internationally, and production increased rapidly from 2.5 Mt in 1994 to 16.2 Mt in 2000. Mining conditions were excellent with seams up to 40m in thickness, uniform quality throughout and relatively thin overburden. The company's main customers were the Indonesian state electricity company, PLN, and power utilities in Europe, Asia, the USA and Chile. The coal was transported 74 km by road from the mine by 130t trucks to a processing and barge-loading facility at Kelanis on the Barito River. The coal was transported by barge directly to customers' receipt ports or to coastal offshore anchorage locations for trans-shipment. Since 1997, Adaro's output had also been handled through the Pulau Laut coal terminal. As of January 2000, about 50 Mt had been produced and sold. Sales in 2000 were 16.2 Mt and were forecasted at 18.5 Mt for 2001, followed by increases to at least 20.0 Mt in 2002 as a result of the conclusion of a number of contracts for long term supply. Adaro's increasing sales levels reflected continuing strong demand for its Envirocoal. Production of run of mine coal in 2002 was increased by 17% over the level of production achieved in 2001. The combination of the introduction of a third mining contractor, an extended dry season and increased throughput capacity at Kelanis resulted in the increased production. Exploration activity concentrated on the Tutupan mine area, and a small program was conducted adjacent to the Paringin pit to complete the delineation of the deposit. Prior to the end of 2002 a deep drilling program commenced to geologically define resources to depths greater than 300m. A trial of horizontal dewatering holes was successfully completed. A review of a long term mine plan commenced in 2002. The Kelanis processing and barge loading facility continued to achieve overall operational improvements through the targeting of incremental capacity increases to throughput. A second, similar direct loading system was installed at Kelanis during 2003. Demand for 2003 was at the same level or better than 2002 with the result that the planned production for 2003 was already contracted or under negotiation with customers.

**Status:** Output increasing

Companies			
CompanyId	Title	TitleQualifier	Comment
65755	ADARO INDONESIA PT	see also New Hope Corporation Ltd	100%

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