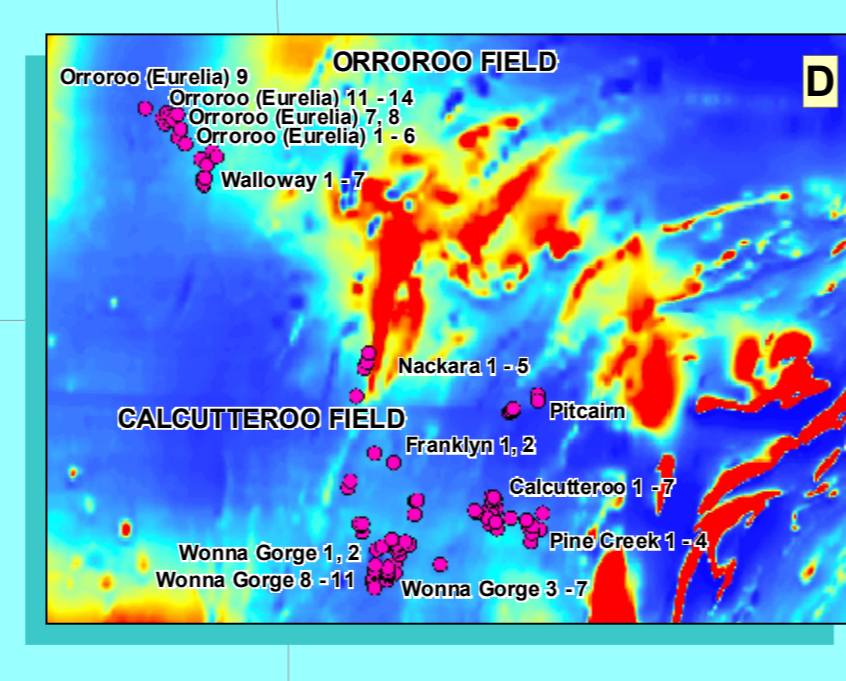
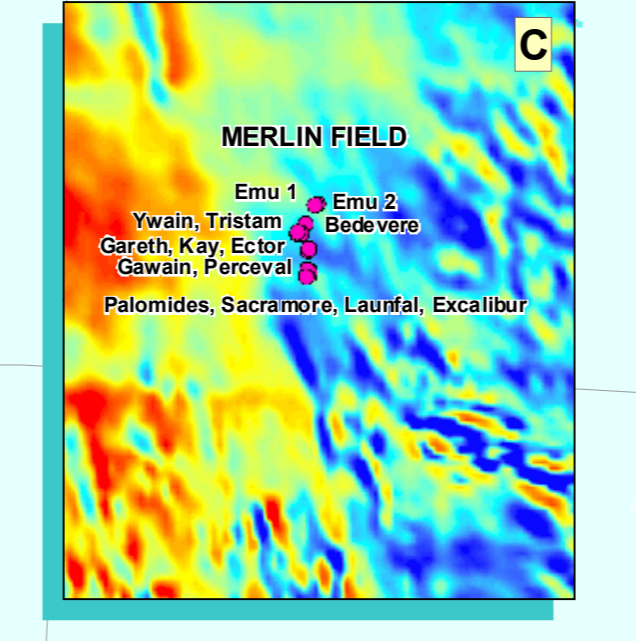
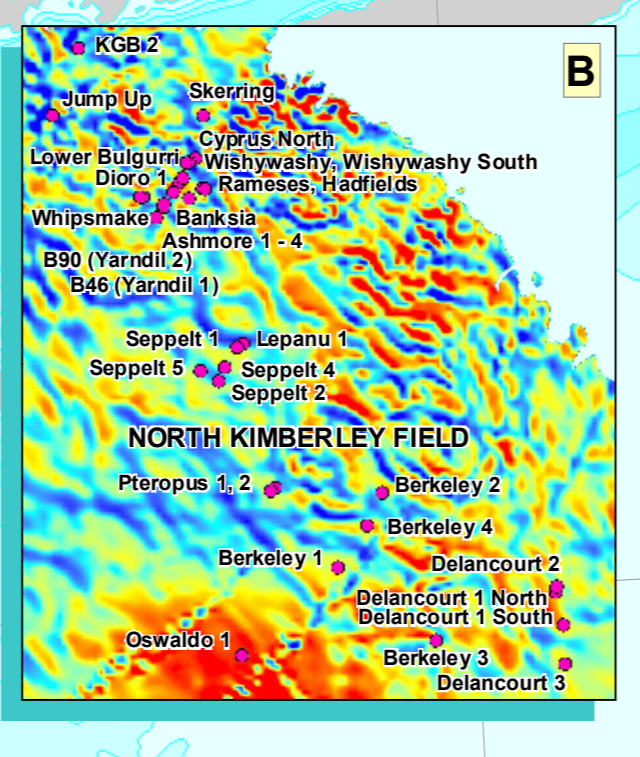
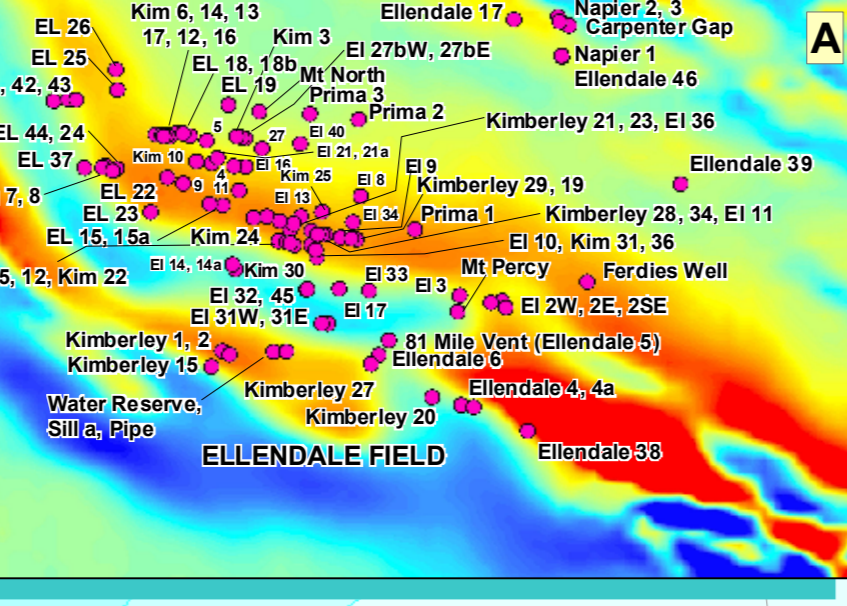


Australian Diamond Deposits, Kimberlites, and Related Rocks
Scale 1:5 000 000

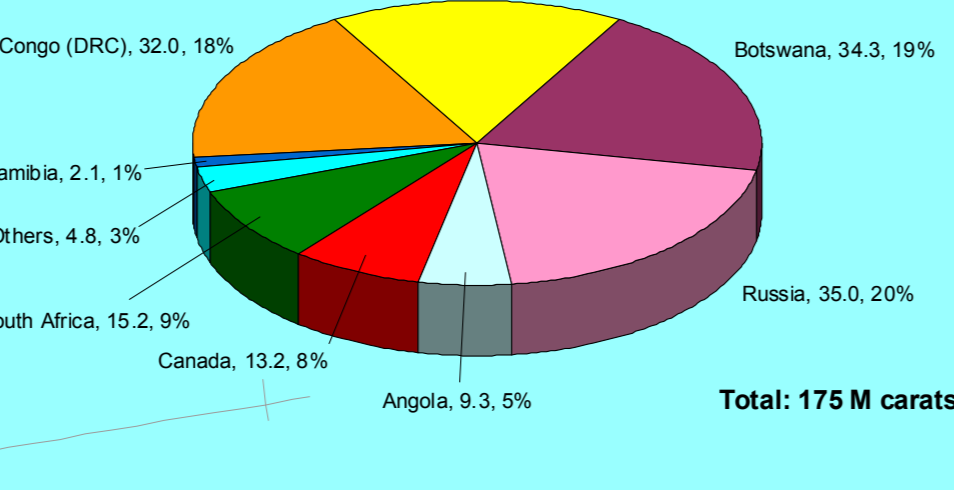


Argyle diamond mine in the East Kimberley region of W.A. has produced approximately 20% of the world supply of natural diamonds since 1988 when mining at the Argyle mine commenced. Rio Tinto is developing an underground mine to extend the mining operations to 2038. (Photo courtesy of Argyle Diamonds)

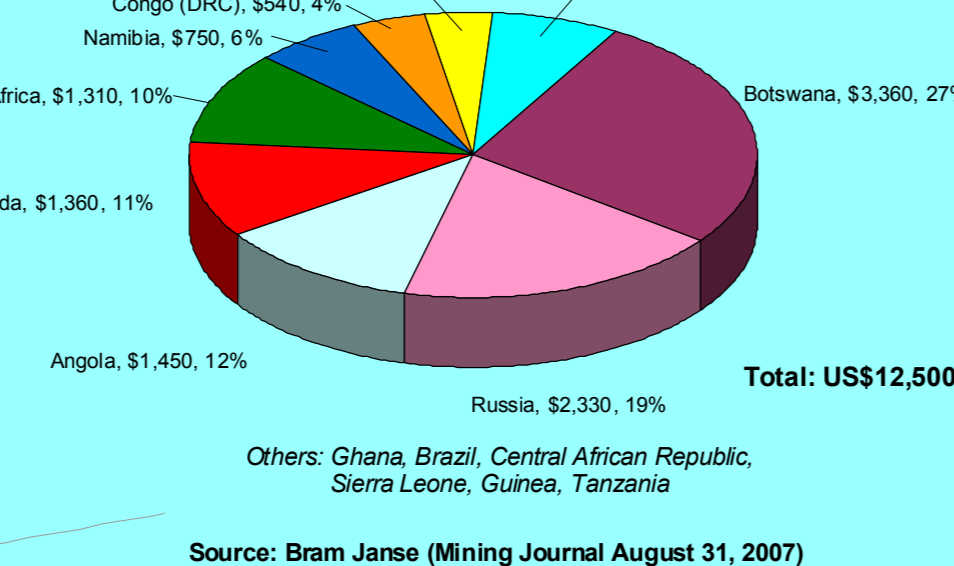


Diamonds from Merleyn. © Kimberley Diamond Company N.L. (Photo courtesy of Kimberley Diamond Company N.L.)

World Natural Diamond Production 2006 (M carat)



World Natural Diamond Production 2006 (US\$M)



- Diamond deposits**
- PPP Mine - operating
 - PPP Mine - undeveloped
 - ALLUVIAL Mine - operating
 - ALLUVIAL Mine - closed
 - ALLUVIAL Mine - historic
 - ALLUVIAL Occurrence
- Intrusions**
- RECENT Alkal basalt
 - RECENT Alkal basalt
 - TERTIARY Lamprophyre
 - TERTIARY Alkal basalt
 - MIOCENE Lamprophyre
 - MIOCENE Lamprophyre
 - MIOCENE Alkal basalt
 - MIOCENE Kimberlite
 - MIOCENE Lamprophyre
 - JURASSIC Kimberlite
 - JURASSIC Lamprophyre
 - PERMIAN Alkal basalt
 - DEVONIAN Lamprophyre
 - DEVONIAN Carbonate
 - NEOPROTEROZOIC Kimberlite
 - NEOPROTEROZOIC Lamprophyre
 - NEOPROTEROZOIC Carbonate
 - MESOZOIC Kimberlite
 - MESOZOIC Lamprophyre
 - MESOZOIC Carbonate
 - ARCHAIC Kimberlite
 - ARCHAIC Lamprophyre

Note: Alkal basalt locations are restricted to those where ground-penetrating radar or magnetic data have been reported in the literature. Archaic kimberlite fields and localities on the main map are detailed in Table 10.

Compiled by A.L. Brown
Cartography by G.A. Young
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The magnetic isograds were derived from the Magnetic Anomaly Map of Australia 1995 (Canberra, ACT, 1996, 1:500,000 scale). The magnetic anomaly map of Australia, Second Edition, 1:500,000 scale map, Geoscience Australia, Canberra, ACT, 2004. The magnetic intensity data were derived from the Australian Department of Mines and Energy, New South Wales, Department of Primary Industries, Department of Energy and Environmental Planning, Queensland and Resource South Australia, Mineral Resources, Tasmania, Department of Primary Industries, Victoria, and Department of Industry, Planning and Infrastructure, Western Australia. The magnetic intensity data were derived from the Australian Department of Resources, Energy and Tourism. Major outcropping regions bounded by major faults and/or unconformably related and dated from Geoscience Australia's Australian Geology.
Locations and other information for the diamond deposits and kimberlites, intrusions, alluvial diamonds and gemstones are provided. Some small fields in major basins (including the Argyle field) were not shown. Information generally provided by the 1:500,000 scale map. Copyright © 2008, Geoscience Australia. Geoscience Australia, Canberra, ACT 2601. Geoscience Australia, Department of Resources, Energy and Tourism, Canberra, ACT 2601. The 1:500,000 scale map is available from the Australian Department of Resources, Energy and Tourism.
It is recommended that this map be referred to as:
Australia, 1:500,000, Australian diamond deposits, kimberlites and related rocks 1:500,000 scale map, Geoscience Australia, Canberra, ACT 2601.

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