WORLD DISTRIBUTION OF INTRUSIVE URANIUM DEPOSITS

IAEA International Atomic Energy Agency

SECOND EDITION: 2018

Scale 1: 1:35 000 000

Kilometres 500 0 500 1,000 1,500 2,000 Kilometres

Mercator Projection: Central Meridian 10°

Map production by M.C. Fairclough (IAEA), J.A. Irvine (Australia), L.F. Katona (Australia) and W.L. Slimmon (Canada). World Distribution of Uranium Deposits, International Atomic Energy Agency, Vienna, Austria. Cartographic assistance was supplied by the Geological Survey of South Australia, the Saskatchewan Geological Survey and United States Geological Survey to the IAEA.

Deposit data derived from IAEA UDEPO (http://infcis.iaea.org/UDEPO/About.cshtml) database with assistance from P. Bruneton (France), M. Mihalasky (U.S.A.), M. Cuney (France), M. Aranha (IAEA), O. Pylypenko (IAEA) and K. Poliakovska (IAEA). The map is an updated companion to "World Distribution of Uranium Deposits (UDEPO) with Uranium Deposit Classification, IAEA Tech-Doc-1629" and "World Distribution of Uranium Deposits (UDEPO) 2016 Edition, IAEA Tec-Doc in-preparation". Map data is current to beginning 2017.

Geology was derived from L.B. Chorlton, Generalized Geology of the World, Geological Survey of Canada, Open File 5529, 2007 under Open Government Licence - Canada (http://data.gc.ca/eng/open-government-licence-canada)

Coastlines and drainage were obtained from Natural Earth public domain vector map data (http://www.naturalearthdata.com/about/terms-of-use). Country boundaries are from the United Nations² (http://www.un.org/Depts/Cartographic/english/htmain.htm). The use of particular designations of countries or territories does not imply any judgement by the publisher, the IAEA, as to the legal status of such countries or territories, of their authorities and institutions or of the delimitation of their boundaries. Dotted line represents approximately the Line of Control in Jammu and Kashmir agreed upon by India and Pakistan. The final status of Jammu and Kashmir has not yet been agreed upon by the parties. Final boundary between the Republic of Sudan and the Republic of South Sudan has not yet been determined.

Deposit Type	Deposit Subtype	Deposit Size (tU original or produced+remaining resource) < 1 000	1 001 - 5 000	5 001 - 25 000	25 001 - 100 000	> 100 000
1. Intrusive (Int)	Anatectic					
	Plutonic¹					
2. Granite-related (Gran)	Endogranitic					
	Perigranitic					
3. Polymetallic Fe oxide breccia complex¹ (PBx)						
4. Volcanic-related (Volc)	Stratabound					
	Structure-bound					
	Volcano-sedimentary					
5. Metasomatite (Mso)	Na-metasomatite					
	K-metasomatite					
	Skarn					
6. Metamorphite (Met)	Stratabound					
	Structure-bound					
	Marble-hosted					
7. Proterozoic unconformity (Unc)	Unconformity-contact					
	Basement-hosted					
	Stratiform fracture-controlled					
8. Collapse breccia pipe (CBx)						
9. Sandstone (Sst)	Basal channel					
	Tabular					
	Roll-front					
	Tectonic-lithologic					
	Mafic dykes/sills					
10. Paleo quartz-pebble conglomerate (PQPC)	U-dominant					
	Au-dominant¹					
11. Surficial (Surf)	Peat-bog					
	Fluvial valley					
	Lacustrine-playa					
	Pedogenic and fracture fill					
12. Lignite-coal¹ (LigCo)	Stratiform					
	Fracture controlled					
13. Carbonate (Carb)	Stratabound					
	Cataclastic					
	Paleokarst					
14. Phosphate¹ (Pho)	Organic phosphorite					
	Microchemical phosphorite					
	Continental phosphate					
15. Black shale (BSh)	Stratiform					
	Stockwork					

• Undifferentiated and unverified Uranium occurrence with no known resource estimation

▲ Undifferentiated Thorium deposit and occurrence from IAEA ThDEPO database

The Dep IDs are unique deposit identification numbers corresponding to the IAEA UDEPO database records. A deposit is defined as there is known to be a resource estimation undertaken. If the exact estimation is unknown, an estimated range is generated by IAEA. This is particularly so with unconventional resources¹ from which uranium is present at very low grades and/or only recoverable as a minor by-product using special processing techniques. Resources shown are not current remaining resources, but are the maximum of original geological resource, production figures or remaining resources at the lowest available cut-off grade. They include historic resources, and so may not be compliant with contemporary reporting standards and are not endorsed by IAEA as such. Where available, resource estimations for individual discrete ore zones are shown. Where this is not possible, some aggregation of resources are necessary. No economic or financial inferences with respect to recoverability of uranium are intended. The list of deposits is not exhaustive or current. There are 2831 deposits shown on the face of the map, but only those 102 greater than 100 000tU, or currently producing uranium, are named. Other deposits greater than 2500tU (863 deposits) are numbered, and along with larger or producing deposits, are listed below the map face. All other deposits (1866) 2500tU or less are only shown as symbols with no annotation but can be queried as described in https://helpx.adobe.com/acrobat/using/geospatial-pdfs.html.

Map Legend

- Populated place
- Railroad
- Road
- Country boundary²
- Fault trace

Lithology

- Metamorphic rocks
- Intrusive rocks
- Sedimentary and volcanic rocks
- Sedimentary rocks
- Tectonized rocks
- Volcanic and intrusive rocks
- Volcanic rocks

Era

- Holocene and Recent ice cap
- Cenozoic
- Mesozoic
- Paleozoic
- Neoproterozoic
- Mesoproterozoic
- Paleoproterozoic
- Proterozoic (undifferentiated)
- Archean and Proterozoic

Dep ID	Dep Name	Dep Type	Grid
0001	Abankor	Met	J3
0004	Timgaouine	Gran	J3
0005	Tinef	Met	J3
0006	Cerro Solo	Sst	F7
0011	Rodolfo	Sst	F6
0014	Angela	Sst	P6
0017	Ben Lomond	Volc	Q5
0018	Bennetts Well	Sst	O6
0019	Beverley	Sst	P6
0020	Bigrlyi	Sst	P6
0022	Centipede	Surf	P6
0029	Goulds Dam	Sst	P6
0032	Honeymoon	Sst	Q6
0033	Huarabagoo	Sst	P5
0034	Jabiluka 1	Unc	P5
0035	Junnagunna	Sst	P5
0036	Kintyre	Unc	P6
0037	Koongarra 1	Unc	P5
0038	Lake Maitland	Surf	P6
0041	Lake Way	Surf	P6
0043	Manyingee	Sst	O6
0044	Mary Kathleen	Mso	Q6
0047	Mount Gee	PBx	P6
0050	Nabarlek	Unc	P5
0051	Napperby	Surf	P6
0052	Nowthana	Surf	O6
0053	Olympic Dam	PBx	P6
0059	Ranger 68	Unc	P5
0060	Redtree	Sst	P5
0062	Skal	Mso	P6
0064	Thatcher Soak West	Surf	P6
0068	Valhalla	Mso	P6
0070	Warrior	Sst	P6
0073	Yeelirrie	Surf	O6
0075	Amorinopolis	Sst	G5
0077	Espinharas	Mso	H5
0078	Figueira	Sst	G6
0079	Gandarela	PQPC	G6
0080	Itataia-Santa Quiteria District	Met	H5
0082	**Pocos De Caldas - Cercado**	**Int**	**G6**
0083	Serra Das Gaivotas	PQPC	G6
0089	Eleshnitza District	Sst	K2
0104	Simitli	Sst	K2
0109	Agnew Lake	PQPC	E2
0112	Blizzard	Sst	D2
0113	Cigar Lake	Unc	D2
0116	Collins Bay A	Unc	D2
0117	Cluff Lake D	Unc	D2
0118	Dawn Lake	Unc	D2
0119	Denison Mine	PQPC	E2
0122	Eagle Point	Unc	D2
0124	Gunnar	Mso	D2
0126	Deilmann	Unc	D2
0127	Kiggavik Main	Unc	E1
0130	**Madawaska**	**Int**	**F2**
0132	Mcarthur River	Unc	D2
0133	Mcclean Lake Pods	Unc	D2
0134	Michelin	Mso	G2
0135	Midwest	Unc	D2
0136	Nordic	PQPC	E2
0137	Lacnor	PQPC	E2
0138	Panel Mine	PQPC	E2
0139	Spanish American	PQPC	E2
0141	Quirke	PQPC	E2
0142	Milliken	PQPC	E2
0143	Rabbit Lake	Unc	D2
0144	Raven	Unc	D2
0147	Stanleigh	PQPC	E2
0155	Kitongo	Mso	J4
0157	Beimianshi	Volc	O3
0160	Chanziping	Bsh	O3
0170	Lianshanguan-Benxi Mine	Mso	P2
0172	Nuheting	Sst	O2
0175	Chengzishan (381)	Sst	N3
0179	Xiazhuang District (16 deposits)	Gran	O3
0180	Xiangshan District (11 deposits)	Volc	O3
0181	Brevniste	Sst	J2
0184	Hamr North (Hamr I)	Sst	J2
0185	Horni Slavkov District (10 deposits)	Gran	J2
0186	Hvezdov	Sst	J2
0187	Jachymov District (12 mines)	Gran	J2
0191	Mimon	Sst	J2
0193	Olsi-Dranonin	Met	J2
0194	Osecna-Kotel	Sst	J2
0196	Rozna	Met	J2
0197	Straz	Sst	J2
0198	Vitkov II	Gran	J2
0200	Zadni Chodov	Gran	J2
0201	**Kvanefjeld**	**Int**	**G1**
0210	Bellezane	Gran	J2
0213	Coutras	Sst	J2
0220	Commanderie (La)	Gran	I2
0221	Bernardan (Le)	Gran	J2
0223	Chardon (Le)	Gran	I2
0225	Bois Noirs (Les)	Gran	J2
0231	Mas Lavayre	Sst	J2
0232	Margnac-Peny	Gran	J2
0239	Bagombé	Sst	J5
0242	Mounana	Sst	J5
0244	Oklo	Sst	J5
0247	Culmitzsch	Sst	J2
0248	Freital-Gittersee	LigCo	J2
0250	Johanngeorgenstadt	Gran	J2
0251	Koenigstein	Sst	J2
0255	Niederschlema-Alberoda ore field	Gran	J2
0257	Tellerhäuser	Gran	J2
0259	Zobes	Gran	J2
0261	Bhatin	Met	N3
0262	Domiasiat (KPN)	Sst	N3
0263	Jaduguda	Met	N3
0266	Narwapahar	Met	N3
0268	Rohil	Mso	M3
0269	Tummalapalle - Rachakuntapalle	Carb	M4
0270	Turamdih	Met	N3
0272	Wahkyn	Sst	N3
0273	Peddagattu	Unc	M4
0274	Remaja-Hitam	Met	O5
0277	Al Abiad-Al Wady	Pho	K3
0278	Al Hassa - Al Qatrana	Pho	K3
0279	Al Shedeye - Eshidia	Pho	K3
0280	Ruseifa	Pho	K3
0282	Tono District (4 Deposits)	Sst	P3
0283	Agashskoye	Met	M2
0285	Assarchik	Sst	M2
0286	Balkashinskoye	Volc	M2
0289	Botaburum	Volc	M2
0290	Budennovskoye 1, 3 & 4	Sst	M2
0291	Burlukskoye	Met	M2
0292	Chaglinskoye	Met	M2
0294	Daba	Volc	M2
0297	Dzhusandalynskoye	Gran	M2
0298	Dzhidely	Volc	M2
0299	Fevralskoye	Met	M2
0300	Glubinnoye	Met	M2
0301	Grachevskoye	Met	M2
0303	Inkai 1, 2 & 3	Sst	M2
0304	Irkol	Sst	M2
0305	Ishimskoye	Met	M2
0306	Kamyshevoye	Met	M2
0307	Kanzhugan	Sst	M2
0308	Karakoyn	Sst	M2
0309	Karamurun North	Sst	M2
0310	Karamurun South	Sst	M2
0311	Karyntarynskoye	Pho	L2
0313	Kharasan 1-North	Sst	M2
0315	Koldzhat	LigCo	N2
0321	Kyzylsay District (8 deposits)	Volc	M2
0323	Kyzyltu	Sst	M2
0326	Manybaiskoye	Volc	M2
0327	Melovoye	Pho	L2
0328	Moynkum Central	Sst	M2
0329	Mynkuduk East	Sst	M2
0330	Nizhneylyiskoye	LigCo	M2
0333	Semizbai	Sst	M2
0335	Shokhpak	Met	M2
0336	Sholak-Espe	Sst	M2
0338	Slavyanskoye	Met	M2
0339	Suluchekinskoye	Sst	M2
0342	Tasmurunskoye	Pho	L2
0344	Taybagarskoye	Pho	L2
0345	Tomakskoye	Pho	L2
0347	Uvanas	Sst	M2
0348	Victorovskoye	Met	M2
0349	Vostok	Met	M2
0352	Zarechnoye	Sst	M2
0353	Zaozernoye	Met	M2
0354	Zhalpak	Sst	M2
0355	Zhautkan	Sst	M2
0356	Zvyozdnoe	Met	M2
0357	Maylisay	Carb	M2
0358	Mailuu-Suu	Carb	M2
0360	Turakavak	LigCo	M2
0367	La Sierrita	Sst	E3
0371	Santo Domingo	Pho	D3
0372	Kayelekera	Sst	K5
0373	Dornod District (12 deposits)	Volc	O2
0374	Gurvanbulak Central Zone	Volc	O2
0375	Kharaat	Sst	O2
0379	Gantour Basin	Pho	I3
0380	Oulad Abdoun Basin	Pho	I3
0381	Meskala Basin	Pho	I3
0382	Oued Eddahab Basin	Pho	I3
0387	Klein Trekkopje	Surf	J6
0388	Langer Heinrich	Surf	J6
0390	**Rossing**	**Int**	**J6**
0391	Tumas	Surf	J6
0392	**Valencia**	**Int**	**J6**
0394	Ebba Nord	Sst	J4
0395	Ebba Sud	Sst	J4
0396	Akola	Sst	J4
0397	Akouta Nord	Sst	J4
0398	Akouta Sud	Sst	J4
0399	Ariege	Sst	J4
0401	Arlette	Sst	J4
0403	Artois	Sst	J4
0404	Abakorum	Sst	J4
0405	Imouraren	Sst	J4
0407	Tamou	Sst	J4
0408	Taza Nord	Sst	J4
0420	Rajsk	Bsh	K2
0428	Nisa	Gran	I3
0432	Urgeirica	Gran	I2
0435	Shinkolobwe-Kasolo	Met	K5
0439	Baita Bihor	Sst	K2
0445	Crucea	Met	K2
0447	Dobrei South	Sst	K2
0456	Tulghes-Grinties	Met	K2
0460	Antei	Volc	O2
0461	Argunskoye	Volc	O2
0463	Badyelskoye	LigCo	L1
0466	Belskoje	LigCo	K2
0468	Beryozovoye	Gran	O2
0469	Beshtaugorskoye	Volc	L2
0472	Briketno-Zheltuhinskoye	LigCo	K2
0474	Buyanovskoye	Sst	O2
0477	Bytuguchag	Gran	Q1
0479	Chaplinskoye	LigCo	S1
0482	Crystalnoye	Gran	O2
0483	Dalneye	Volc	O2
0484	Dobrovolnoye	Sst	M2
0485	Dolmatovskoye	Sst	M2
0486	Druzhnoye	Mso	P2
0487	Dybryn	Sst	O2
0492	Gornoye	Gran	O2
0493	Imskoye	Sst	O2
0494	Interesnoye	Mso	P2
0497	Karhu	Unc	K1
0500	Kedrovoye	Sst	N1
0503	Khiagdinskoye	Sst	O2
0504	Khokhlovskoye	Sst	M2
0505	Kolichikan	Sst	O2
0507	Koretkondinskoye	Sst	O2
0508	Kosmozero	Mso	K1
0513	Lastochka	Volc	P2
0515	Luchistoye	Volc	O2
0516	Malinovskoye	Sst	N2
0517	Malo-Tulukuevskoye	Volc	O2
0518	Martovskoye	Volc	O2
0520	Meridionalnoye	Sst	O2
0522	Namaru	Sst	O2
0524	Novogodneye	Volc	O2
0526	Oktyabrskoye	Volc	O2
0527	Olovskoye	Volc	O2
0528	Osenneye	Met	K1
0530	Prigorodnoye	Sst	N2
0531	Primorskoye	Sst	N2
0533	Pyatilentneye	Volc	O2
0534	Rodionovskoye	Surf	O2
0537	Repyevskoye	Carb	L2
0538	Rjabinovoye	Volc	N2
0539	Sanarskoye	Surf	M2
0544	Shirondukuevskoye	Volc	O2
0550	Srednaya Padma	Mso	K1
0551	Stepnovskoye	Pho	L2
0553	Stepnoye	Sst	O2
0555	Streltsovskoye	Volc	O2
0559	Tetrakhskoye	Sst	O2
0562	Tsarevskoye	Mso	K1
0564	Tulukuevskoye	Volc	O2
0566	Ust-Uyukskoye	Sst	N2
0568	Vershinnoye	Sst	O2
0573	Vitlandskoye	Surf	O2
0576	Yubileinoye	Volc	O2
0578	Yugo-Zapadnoye	Volc	O2
0580	Zheglovskoye	Sst	O2
0581	Zherlovoye	Volc	O2
0583	Zjulzinskoye	Sst	O2
0585	Blyvooruitzicht Tailings	PQPC	K6
0586	Buffelsfontein	PQPC	K6
0587	Chemwes-Stilfontein	PQPC	K6
0588	Driefontein Mine	PQPC	K6
0589	Free State Geduld	PQPC	K6
0590	Harmony	PQPC	K6
0591	Hartebeestfontein	PQPC	K6
0592	Loraine	PQPC	K6
0593	**Phalabora**	**Int**	**K6**
0594	President Brand Mine	PQPC	K6
0595	President Steyn	PQPC	K6
0597	Oryx Mine (Beatrix West Section)	PQPC	K6
0599	Western Rand Tailings	PQPC	K6
0600	Western Areas Mine	PQPC	K6
0601	Western Deep Levels Mine	PQPC	K6
0602	Western Holdings	PQPC	K6
0603	Alio Ghelle	Mso	L4
0604	Dusa Mareb-El Bur District	Surf	L4
0606	Zirovski Vrh	Sst	J2
0616	Mina Fe	Gran	I2
0618	Retortillo	Gran	I2
0622	Ranstad	Bsh	J2
0625	Bailik	Bsh	L2
0626	Sernoye	Sst	L2
0632	Yozgat-Sorgun	Sst	K3
0633	Adamivske	LigCo	K2
0638	**Kalynivske**	**Int**	**K2**
0642	Michurinske	Mso	K2
0646	Pershotravneve	Mso	K2
0648	Safonivske	Sst	K2
0649	Severinivske	Mso	K2
0651	Vatutinske	Mso	K2
0652	**Yuzhnoye**	**Int**	**K2**
0653	Zhovtorichenske	Mso	K2
0655	Alta Mesa	Sst	E3
0656	Alta Verde	Sst	E3
0657	Ambrosia Lake District (Dysart)	Sst	D3
0658	Anderson Mine	Volc	D3
0660	Bear Creek Mines	Sst	D2
0662	Bernabe-Montano District	Sst	D3
0663	Big Buck / Velvet	Sst	D3
0664	Big Eagle Phase2/Green Mountain	Sst	D2
0666	Marsland Big Red	Sst	D3
0670	Borrego Pass	Sst	D3
0675	Butler-Weddington	Sst	E3
0680	Central Florida District	Pho	E3
0683	Christensen Ranch	Sst	D2
0684	Churchrock - Section 4	Sst	D3
0686	Clay West	Sst	E3
0688	Copper Mountain	Gran	D2
0689	Crooks Gap District	Sst	D2
0690	Crow Butte	Sst	D2
0691	Crownpoint	Sst	D3
0694	Dewey-Burdock	Sst	D2
0695	East Florida District	Pho	E3
0696	East Gas Hills	Sst	D2
0699	Fernandez Main Ranch	Sst	D3
0701	Jackpot Mine	Sst	D2
0704	Hansen	Sst	D3
0710	Highland	Sst	D2
0711	Holiday-El Mesquite	Sst	E3
0713	Irigaray	Sst	D2
0716	Jackpile - Paguate	Sst	D3
0722	Kingsville Dome	Sst	E3
0723	L-Bar Ranch	Sst	D3
0724	La Jara Mesa	Sst	D3
0728	Lee	Sst	D3
0729	Deremo Mine	Sst	D3
0732	Long Park	Sst	D3
0735	Lucky Mc Mine	Sst	D2
0737	Mancos-Sections 7-12	Sst	D3
0738	Mariano Lake	Sst	D3
0743	Mi Vida	Sst	D3
0744	Midnite	Gran	D2
0745	Monogram Mesa	Sst	D3
0751	Mount. Taylor Mine	Sst	D3
0752	Narrow Canyon	Sst	D3
0756	North Butte / Brown Ranch	Sst	D2
0757	North Florida District	Pho	E3
0758	Northeast Florida District	Pho	E3
0763	Pandora	Sst	D3
0764	Panna Maria	Sst	E3
0767	Petrotomics / Dave	Sst	D2
0771	Pitch Mine	Met	D3
0775	West Reno Creek	Sst	D2
0776	Rhode Ranch District	Sst	E3
0777	Rio Puerco	Sst	D3
0781	Ruby	Sst	D3
0785	Saint Anthony/M-6	Sst	D3
0789	Schwartzwalder Mine	Met	D3
0792	Sherwood Mine	Sst	D2
0794	Shirley Basin Mine	Sst	D2
0796	Slick Rock District	Sst	D3
0797	Smith Ranch	Sst	D2
0798	South Florida District	Pho	E3
0799	South Morton Ranch	Sst	D2
0802	Sweetwater Mine	Sst	D2
0803	Taylor Ranch	Sst	D3
0805	Tony M	Sst	D3
0809	Atkinson Mesa District	Sst	D3
0810	Vanadium	Sst	D3
0812	West Gas Hills	Sst	D2
0813	West Largo	Sst	D3
0814	Whiskey Peak / Green Mountain	Sst	D2
0815	Agron	Sst	M3
0816	Aktau	Sst	M2
0817	Alatanga	Volc	M2
0818	Alendy	Sst	M2
0820	Aulbek	Sst	M2
0823	Beshkak	Sst	M2
0824	Bukinay North	Sst	M2
0826	Chauli	Volc	M2
0827	Dzhantuar	Bsh	M2
0828	Kenimekh	Sst	M2
0830	Kendyktjube	Sst	M2
0831	Ketmenchi	Sst	M3
0833	Lyavlyakan	Sst	M2
0835	Meylysai	Sst	M2
0836	Nagornoye	Sst	M3
0837	Rudnoye	Bsh	M2
0838	Sabyrsay	Sst	M3
0839	Severny Kanimekh	Sst	M2
0841	Shark	Sst	M3
0842	Sugraly	Sst	M2
0845	Tutlyinskaya	Sst	M3
0846	Uchkuduk	Sst	M2
0847	Ulus	Sst	M3
0849	Yuzhny Bukinai	Sst	M2
0851	Khe Hoa-Khe Cao	Sst	O4
0890	Tabelle	Sst	J4
0891	Taza Sud	Sst	J4
0892	Takriza	Sst	J4
0893	Tamgak	Sst	J4
0895	Marianne - Maryline	Sst	J4
0929	Church Rock - Section 8 and 17	Sst	D3
0930	Peach	Sst	D2
0932	Reynolds Ranch	Sst	D2
0942	Tortkuduk	Sst	M2
0947	Oobagooma-Yampi	Sst	P5
0948	91 Ranger 1 N°1	Unc	P5
0951	Jabiluka 2	Unc	P5
0952	Ranger 1 N°3	Unc	P5
0953	Oberschlema	Gran	J2
0955	Val Vedello	Volc	J2
0977	Prominent Hill	PBx	P6
0979	**Nolans Bore**	**Int**	**P6**
0981	Ace-Fay-Verna	Met	D2
0982	Andrew Lake	Unc	E1
0985	End Grid	Unc	E1
0988	Horseshoe	Unc	D2
0990	Millennium	Unc	D2
0992	P Patch Zone	Unc	D2
0994	Shea Creek-Anne	Unc	D2
0995	Shea Creek-Colette	Unc	D2
0996	Shea Creek-Kianna	Unc	D2
0998	Cluff Lake Dominique-Peter	Unc	D2
0999	Cluff Lake Dominique-Jeanine	Unc	D2
1000	Collins Bay B	Unc	D2
1003	Kiggavik Centre	Unc	E1
1006	Sue C	Unc	D2
1008	Sue E	Unc	D2
1010	Eldorado (Port Radium)	Met	D1
1012	Bagjata	Met	N3
1013	Banduhurang - Turamdih South	Met	N3
1030	Gogi	Gran	M4
1031	Chitrial	Unc	M4
1042	BJ Lake	Unc	D2
1051	Centennial	Unc	D2
1053	**Charlebois Lake**	**Int**	**D2**
1059	Dieter Lake	Bsh	F2
1075	Jacques Lake	Mso	G2
1077	**Drope Lake - La Ronge**	**Int**	**D2**
1078	Lac Cinquante	Met	E1
1082	Midwest A	Unc	D2
1083	Matoush	Sst	F2
1086	Roughrider	Unc	D2
1091	Mountain Lake	Sst	D1
1099	P2 Main	Unc	D2
1100	Paul Bay	Unc	D2
1110	Tamarack	Unc	D2
1120	Shihongtan	Sst	N2
1121	Zhaohuohao (396)	Sst	O3
1138	**Allied Zones**	**Int**	**F2**
1139	Apple	PQPC	F2
1143	Can-Met	PQPC	E2
1145	Eco Ridge Mine	PQPC	E2
1150	L	Sst	F2
1156	Stanrock	PQPC	E2
1162	Veznice	Met	J2
1165	Luena Basin	LigCo	K5
1166	Musonoi Extension	Met	K5
1168	Siwaqa	Surf	K3
1169	Akdala	Sst	M2
1176	Falea	Sst	I4
1178	Khairkhan	Sst	O2
1179	Ulaan Nuur	Sst	O2
1180	Aussinanis	Surf	J6
1181	**Anomaly A (Etango)**	**Int**	**J6**
1184	Marenica	Surf	J6
1185	Trekkopje	Surf	J6
1187	Arcadie	Sst	J4
1191	Nord Somair	Sst	J4
1192	Taossa	Sst	J4
1193	Teguidda (Ir, G, T)	Sst	J4
1195	Yuti	Sst	G6
1196	Corachapi	Volc	F5
1198	Kemchug	Volc	N2
1200	**Ghurayyah**	**Int**	**K3**
1203	Kuriskova	Volc	K2
1204	Novoveska Huta	Volc	K2
1209	Denny Dalton	PQPC	K6
1210	Dominion Reefs	PQPC	K6
1211	Ezulwini	PQPC	K6
1212	Rietkuil	PQPC	K6
1213	Ryst Kuil	Sst	K6
1214	Springbok Flats	LigCo	K6
1215	Gambuta	Gran	I3
1218	Duobblon	Volc	J1
1225	Tasjo District	Pho	J1
1231	Dibwe	Sst	K5
1235	Mutanga Main	Sst	K5
1237	Njame	Sst	K5
1238	Severnoye	Mso	P2
1239	Tsentralne	Mso	K2
1240	Novokostyantynivske	Mso	K2
1241	Pidhajtsivske	Mso	K2
1247	Abeta	PQPC	E2
1248	Banana Lake	PQPC	E2
1253	Gaertner	Unc	D2
1254	Millaqua	PQPC	E2
1255	Silvermaque	PQPC	E2
1258	Serule Nw	Sst	K6
1267	Firawa	Met	I4
1268	**Kanyika**	**Int**	**K5**
1269	**Garnet Valley**	**Int**	**J6**
1270	Namib Park	Surf	J6
1272	Oryx (Tumas 3)	Surf	J6
1277	Beisa North	PQPC	K6
1279	Cooke / Old Randfontein Tailings	PQPC	K6
1280	East Rand Consolidated Tailing	PQPC	K6
1284	Potchefstroom Goldfield	PQPC	K6
1285	Southern Free State (4 deposits)	PQPC	K6
1286	Vaal River Tailings	PQPC	K6
1290	Nyota	Sst	K5
1298	**North Shore Double S Zone**	**Int**	**F2**
1299	**North Shore Middle Zone**	**Int**	**F2**
1300	**North Shore Tj Zone**	**Int**	**F2**
1303	**Chuquicamata**	**Int**	**F6**
1307	**Oshively**	**Int**	**J6**
1311	MMS Vicken	Bsh	J1
1313	Sw Reno Creek	Sst	D2
1316	Four Mile East	Sst	P6
1317	Dawson-Hinkler	Surf	P6
1319	Windimurra	Surf	O6
1327	Blackbush	Sst	P6
1329	E1 North & South	PBx	Q6
1330	Four Mile West	Sst	P6
1331	Hillview	Surf	O6
1339	**Araxa**	**Int**	**G5**
1342	Olinda	Pho	H5
1343	**Pitinga**	**Int**	**F5**
1347	Amer Lake- Main Zone	Sst	E1
1351	Moran Lake C Zone	Met	F2
1358	Phoenix	Unc	D2
1359	Pama	Pho	K4
1360	Pato	Pho	K4
1361	Patricia	Pho	K4
1367	**Sierra Gorda**	**Int**	**F6**
1368	Chengxian Mine	Bsh	O3
1370	Lantian Mine	Gran	O3
1374	**Saima**	**Int**	**P2**
1377	Berlin	Sst	F4
1378	Brzkov	Met	J2
1383	Pecs	Sst	J2
1390	Tyuya-Muyum	Carb	M2
1395	San Juan De La Costa	Pho	D3
1397	Turgen District	Volc	O2
1398	Ugtam	Volc	O2
1400	Inca	Mso	J6
1401	Imca 25	Sst	J4
1402	Irhawenzegirhan	Sst	J4
1406	Isakanan	Sst	J4
1408	Taunsa	Sst	M3
1409	Colibri 2 & 3	Volc	F5
1413	Abu Tartur	Pho	K3
1414	Akashat	Pho	K3
1415	Elkon	Mso	P2
1416	Elkonskoe Plateau	Mso	P2
1417	Kurung	Mso	P2
1419	Kopanang Mine	PQPC	K6
1421	Sageras-Zona M	Gran	I2
1424	Palmira District	Pho	K3
1429	Antelope	Sst	D2
1431	Aurora	Volc	D2
1432	**Bingham Canyon**	**Int**	**D2**
1433	Black Jack 1 & 2	Sst	D3
1443	Coles Hill North	Mso	F3
1444	Coles Hills South	Mso	F3
1461	Hank Unit	Sst	D2
1462	Hosta Butte	Sst	D3
1465	Juan Tafoya	Sst	D3
1467	Kings Valley	Volc	D2
1468	Los Quatros	Volc	D3
1469	Lost Creek	Sst	D2
1470	Lost Soldier	Sst	D2
1471	Marquez	Sst	D3
1479	Section 22 (New Mexico)	Sst	D3
1480	Section 23 (New Mexico)	Sst	D3
1481	Section 24 (New Mexico)	Sst	D3
1485	Section 30 (New Mexico)	Sst	D3
1489	Sheep Mountain	Sst	D2
1494	Velvet-Wood Mines	Sst	D3
1495	Virgin Valley	Volc	D2
1503	Tabhing Area	Sst	O4
1505	Malundwe	Met	K5
1508	Double 8	Sst	P6
1515	Lujing District (5 deposits)	Gran	O3
1517	Qianjiadian (2 deposits)	Sst	P2
1520	Serres Basin	LigCo	K2
1521	Inkai South-4	Sst	M2
1525	**Onkelo**	**Int**	**J6**
1526	Bayovar	Pho	E5
1527	Neprokhodimoye	Mso	P2
1532	Goliad	Sst	E3
1534	Hack Canyon 2	CBx	D3
1542	Budennovskoye 2	Sst	M2
1543	Ambassador	LigCo	P6
1544	Emperor	LigCo	P6
1546	Gorgon Main	Sst	K6
1547	Kraken	Sst	K6
1548	**Husab - Zone 1**	**Int**	**J6**
1549	**Husab - Zone 2**	**Int**	**J6**
1550	Shanawah	Sst	M3
1554	Negev Desert District	Pho	K3
1562	Beatrix	PQPC	K6
1563	Kloof Tailings	PQPC	K6
1564	South Deep Mine (Underground)	PQPC	K6
1565	Cooke 1, 2 & 3/Old Randfontein	PQPC	K6
1568	Barber	Sst	D2
1569	Boyer	Sst	D3
1571	Coyote Basin	LigCo	D2
1575	Noah	Sst	D3
1576	North West Taylor	Sst	D3
1579	Ross	Sst	D2
1582	Roca Honda Mine	Sst	D3
1583	Attarat-Wadi Maghar	Pho	K3
1585	Gachin	Surf	L3
1590	**Toongi**	**Int**	**Q6**
1591	Beerwalde-Korbussen	Bsh	J2
1592	Bernsbach	Gran	J2
1596	Crimmitschauer Fault Zone	Bsh	J2
1597	Drosen	Bsh	J2
1601	Gera Sud	Sst	J2
1604	Kyhna - Schenkenberg	Volc	J2
1605	Lichtenberg	Bsh	J2
1607	Paitzdorf	Bsh	J2
1609	Prehna	Bsh	J2
1611	Schmirchau - Reust	Bsh	J2
1619	Zeitz - Baldenhain	Bsh	J2
1620	Kaynar	Sst	M2
1622	Kharasan 2-South	Sst	M2
1623	Moynkum South	Sst	M2
1624	Mynkuduk Central	Sst	M2
1625	Mynkuduk West	Sst	M2
1626	Chubu	Bsh	P3
1628	Gumsan	Bsh	P3
1632	Yokwang	Bsh	P3
1636	Takardeit	Sst	J4
1637	Tin Negouran	Sst	J4
1641	Zona Pologaya	Mso	P2
1652	Cappers	Surf	P6
1653	Archontovounis	Gran	K2
1656	Alameda	Gran	I2
1659	Haggan	Bsh	J1
1662	**Husab - Zone 3**	**Int**	**J6**
1664	**Husab - Zone 4**	**Int**	**J6**
1665	Great Nolingwa Mine	PQPC	K6
1666	Moab Khotsong	PQPC	K6
1667	Mponeng	PQPC	K6
1671	Majuelos	Gran	I2
1675	Tubas Red Sand	Surf	J6
1694	Carley Bore	Sst	O6
1695	Odin	Mso	P6
1696	Gorgon West	Sst	K6
1697	Gorgon South	Sst	K6
1699	**Catalao**	**Int**	**G5**
1700	**Drucourt Zone**	**Int**	**F2**
1702	J Zone	Unc	D2
1703	Kolmisoppi	Bsh	K1
1704	Kuusilampi	Bsh	K1
1708	Khan Azzabib	Surf	K3
1709	Sadyrnynskoye	Pho	L2
1710	**Hyena**	**Int**	**J6**
1711	**Ondjamba**	**Int**	**J6**
1712	Miriam	Sst	J4
1713	Isivilla	Volc	F5
1715	Tantamaco	Volc	F5
1717	**Jabal Sayid**	**Int**	**L3**
1725	Phosphoria Formation	Pho	D2
1742	MML-E	Sst	J2
1743	Tuyuk-Suu	LigCo	M2
1755	Carrapateena	PBx	P6
1757	Pepegoona	Sst	P6
1759	San Hilario	Pho	D3
1761	Tembabiche	Pho	D3
1762	UF1	Pho	D3
1763	**Glibat Lafhouda**	**Int**	**I3**
1764	**Twihinate**	**Int**	**I3**
1765	De Bron	PQPC	K6
1767	Riet Kuil	Sst	K6
1768	Guanaco	Surf	F7
1770	Plumbush	Sst	P6
1772	Serule W	Sst	K6
1774	**Radomiro Tomic**	**Int**	**F6**
1775	A 238	Mso	I3
1776	Ain Sder C1-CJ-CR	Surf	I3
1777	Oued El Foule East	Surf	I3
1778	Oum Ferkik L-K	Surf	I3
1780	**Ongolo**	**Int**	**J6**
1781	**Husab - Zone 5**	**Int**	**J6**
1782	Al Jalamid	Pho	L3
1783	East Ebro Valley (5 deposits)	LigCo	I2
1784	Temrezli	Sst	K3
1791	Bikini	Mso	P6
1793	Millipede	Surf	P6
1796	Rio Cristallino	Sst	G5
1797	Pecors East	PQPC	E2
1798	**MA 7**	**Int**	**J6**
1799	**Namibplass**	**Int**	**J6**
1803	Dulaan Uul	Sst	O2
1805	Lubin-Sieroszowice	Bsh	J2
1810	Congo Pit	Sst	D2
1819	Todilto District	Carb	D3
1821	Igarape Bahia	PBx	G5
1822	Salobo	PBx	G5
1823	Sossego	PBx	G5
1824	J4/Ray	Met	E1
1826	Zoovch Ovoo	Sst	O2
1829	Ranger Deeps	Unc	P5
1830	**Illimaussaq Zone 3**	**Int**	**G1**
1831	Gabbal Guttar	Gran	K3
1836	Manyoni District-Zone C 1	Surf	K5
1844	Theseus	Sst	P6
1846	**Frazer Lake-Zone B**	**Int**	**D2**
1849	Guyuan	Volc	O3
1850	Hechaokeng	Gran	O2
1851	Kujiertai	Sst	N2
1854	Pannikan	Sst	P6
1855	Pepegoona West	Sst	P6
1856	Buckton Zone	Bsh	D2
1858	Taoshan	Gran	O3
1859	La Banane	Sst	J4
1864	Msne	Sst	J4
1866	Oak Dam	Sst	P6
1868	Maoyangtuo (570)	Met	O3
1869	Wukuerqi	Sst	N2
1872	Plouznice	Sst	J2
1874	**Sorensen**	**Int**	**G1**
1878	Dwaima	Pho	K3
1879	Ethna	Pho	K3
1880	Hirri	Pho	L3
1881	H 3	Pho	K3
1882	Marbat	Pho	L3
1883	Swab	Pho	K3
1885	Ulzitt	Sst	O2
1886	Dajy	Sst	J4
1887	Dasa 1, 2 & 3	Sst	J4
1891	Marby	Bsh	J1
1894	Minjingu	Pho	K5
1911	Kendrick	Sst	D2
1913	Lisbon Mine	Sst	D3
1922	North Reno Creek	Sst	D2
1923	Nose Rock	Sst	D3
1936	**Twin Butte**	**Int**	**D3**
1938	White Canyon District	Sst	D3
1939	**Yerington**	**Int**	**D3**
1941	Buckton South	Bsh	D2
1942	Canuc Zone	PQPC	E2
1943	Milo	PBx	Q6
1945	Gemico Block 3	PQPC	E2
1946	Gemico Block 10	PQPC	E2
1947	Triple R	Unc	D2
1948	Teasdale Lake Zone	PQPC	E2
1949	Bayinwula	Sst	O2
1951	Shashagetai	Sst	O3
1952	Sunjialiang	Sst	O3
1955	**Z 20**	**Int**	**J6**
1956	Armelle	Sst	J4
1957	Tamani	Sst	J4
1958	Tamgak Deep	Sst	J4
1959	Taverse	Sst	J4
1960	Bloemhoek	PQPC	K6
1961	Cooke 4 (Gauteng)	PQPC	K6
1967	Chattanooga Shale Formation	Bsh	E3
1969	Dibwe East	Sst	K5
1971	Northern Great Plains	LigCo	D2
1972	**Happy Valley 2-15**	**Int**	**J6**
1973	**Happy Valley 18**	**Int**	**J6**
1978	West Rand Tailings (Wrtrp)	PQPC	K6
1979	West Witts Tailings (13 Tailings)	PQPC	K6
1980	Narke	Bsh	J2
1988	Palua	Sst	O4
1989	Parong	Sst	O4
1990	Tebessa District	Pho	J3
1991	Fosse-Pamela	Pho	K4
1992	El Sebaeya East	Pho	K3
1993	Red Sea District	Pho	K3
1994	Chatham Rise	Pho	R7
1995	Gafsa-Metlaoui District	Pho	J3
1996	Binh Duong	Pho	O3
1998	Nong Son	LigCo	O4
2000	Monument Valley District	Sst	D3
2002	Fab Trend	Sst	D2
2007	Billeroo	Sst	P6
2008	Brooks Dam	Sst	Q6
2009	Four Mile North-East	Sst	P6
2029	Arrow	Unc	D2
2032	Gryphon	Unc	D2
2034	Mann Lake	Unc	D2
2040	Léré	Mso	J4
2041	**Motzfeldt**	**Int**	**G1**
2047	La Terraza	Volc	F6
2053	Terraza North	Volc	F6
2054	Tigre I	Volc	F6
2845	Stilfontein	PQPC	K6
4176	Treviels	Sst	J2
4192	Baltoscandia District	Bsh	K2
4196	Kok Moinok	Gran	M2
4198	Aghracha	Surf	I3
4199	**Drag-Al Farnane**	**Int**	**I3**
4202	Tarfaya Basin	Bsh	I3
4203	Timahdit Basin	Bsh	I3
4204	Welwitschia Flats	Surf	J6
4210	Chilcuno Chico	Volc	F5
4212	Quebradra Blanca	Volc	F5
4221	Al Khabra	Pho	K3
4222	Umm Wu'Al	Pho	K3
4223	Blyvooruitzicht Mine	PQPC	K6
4224	Daggafontein Mine	PQPC	K6
4226	Doornfontein	PQPC	K6
4228	Driefontein Tailings	PQPC	K6
4236	Ergo	PQPC	K6
4238	Freddies	PQPC	K6
4241	Luipaardsvlei	PQPC	K6
4243	Vaal Reefs Mine	PQPC	K6
4244	Virginia	PQPC	K6
4250	West Rand Consolidated Mine	PQPC	K6
4258	Cliffside Mine	CBx	D3
4261	**Round Top**	**Int**	**D3**
4265	**Pilanesberg - Ledig Zone**	**Int**	**K6**
4266	Krasnoselskoye	Bsh	K2
4267	Kotlovskoye	Bsh	K2
4268	Durban (Roodeport) Deep	PQPC	K6
4269	Kosachinoye	Met	M2
4270	El Sebaeya West	Pho	K3
4271	Mecsec Mine	Sst	J2
4272	Saaiplaas	PQPC	K6
4273	Deelkrall	PQPC	K6
4274	**Mabounie**	**Int**	**J5**
4275	Jeanette	PQPC	K6
4276	Fox Lake	Unc	D2
4277	Bytiz 4, 22-40	Gran	J2
4278	Engenho	Mso	G5
4279	Smaldeel	PQPC	K6
4280	Afrikander	PQPC	K6
4281	Zheltorechenske	Mso	K2
4282	Da Rabicha	Mso	G5
4283	Hamr South (Hamr II)	Sst	J2
4284	Bukinay South	Sst	M2
4285	Cristalino	PBx	G5
4286	Khamsin	PBx	P6
4287	Cachoeira	Mso	G5
4288	Kalbasfontein	PQPC	K6
4289	Litne	Mso	K2
4290	Balkovskoye	Pho	L2
4291	Mengqiguer 2	Sst	N2
4292	Zuurbekom	PQPC	K6
4293	Ebene	Sst	J4
4294	Modesto	Mso	G5
4295	Elandsrand	PQPC	K6
4296	Aquelt Assfaya	Surf	I3
4297	Ernest Henry	PBx	Q6
4298	Hakkies	PQPC	J6
4299	Phoenix	PQPC	K6
4300	Puissagtaq	Gran	G1
4301	Sutherland 2	Sst	K6
4302	Juzkuduk	Sst	M3
4303	Lesetice	Gran	J2
4304	Rhenosterroek	PQPC	K6
4305	Ergo Tailings	PQPC	K6
4306	**Middle Dome**	**Int**	**J6**
4307	Zvezdnoye	Met	M2
4308	Banadungri-Sinidungri	Met	N3
4309	Area 1 East	PQPC	K6
4310	Doornrivier	PQPC	K6
4311	Bofal-Loubboira	Pho	I4
4312	Alemao	PBx	G5
4313	Zhuravlinoye	Volc	O2
4314	Holicky	Sst	J2
4315	Hnativske	Mso	K2
4316	Yuriivske	Mso	K2
4317	Partyzanske	Mso	K2
4318	Pivdennokonoplyanske	Mso	K2
4319	Pivnichnokonoplyanske	Mso	K2
4320	Dokuchaevske	Mso	K2
4321	Kvitneve	Mso	K2
4322	Schorsivske	Mso	K2
4323	Lelekivske	Mso	K2
4324	Hannivka	Mso	K2
4325	Lisne	Mso	K2
4326	Kremenchugske	Mso	K2
4327	Jeruzalem	Gran	J2
4328	Melkraals	PQPC	J6
4329	Grootvlei Tailings	PQPC	K6
4330	Baimadong	Carb	O3
4331	Kareeport	Sst	K6
4332	Fochville	PQPC	K6
4333	Krizani	Sst	J2
4334	Boztauskaya	Bsh	M2
4335	Tushinskoye	Met	M2
4336	Mestena Grande	Sst	E3
4337	Haanekuil	Sst	K6
4338	Vermeulenskraal North	PQPC	K6
4339	Moab Extension	PQPC	K6
4340	Sarydjaz	Bsh	M2
4341	Robijn	PQPC	K6
4342	**Salem**	**Int**	**J6**
4343	Elandsfontein	Sst	K6
4344	Tshepong	PQPC	K6
4345	Phakisa	PQPC	K6
4346	Brod	Gran	J2
4347	Weltevreden	PQPC	K6
4348	**Pocos De Caldas-Agostino**	**Int**	**G6**
4349	Graben	Sst	F7
4350	Kyzyl	Volc	M2
4351	Das Quebradas	Mso	G5
4352	Laranjeiras	Mso	G5
4353	Prudovoye	Pho	L2
4354	Buratinskoye South	Pho	L2
4355	Bagaburulskoye NE	Pho	L2
4356	Kharabulukskoye North	Pho	L2
4357	Bagaburulskoye	Pho	L2
4358	Nugrinskoye	Pho	L2
4359	Bogorodskoye	Pho	L2
4360	Shargadykskoye	Pho	L2
4361	Yashkulskoye	Pho	L2
4362	Centralnoye	Pho	L2
4363	Troitskoye	Pho	L2
4364	Abou Skhair	Carb	L3
4365	Wangjiachong	Sst	O3
4366	Sirotininsk	Sst	O2
4367	Smolenskoye	Sst	N2
4368	Chasovoye	Gran	O2
4369	Korolevskoye	Gran	O2
4370	Bystroye	Sst	N2
4371	Bashibulak	Sst	M3
4372	Nekrakovskoye	Pho	L2
4373	Vranov	Sst	J2
4374	Srni Potok	Sst	J2
4375	Pavlin	Sst	J2
4376	Xinwu Basin (5 deposits)	Sst	O3
4377	Arnold	Sst	J4
4378	Aride	Sst	J4
4379	Yarkuduk	Sst	M3
4380	Istiklol	Sst	M2
4381	Wuhisan	Sst	N2
4382	Wuhier	Sst	N2
4383	North Tamdinskaya	Bsh	M2
4384	Wuyiyi	Sst	N2
4385	Baxingtu	Sst	P2
4386	Kenze	Sst	M2
4387	Likhmanovske	Mso	K2
4388	YGOK	Mso	K2
4389	Stetchovskaya	Mso	K2
4390	Krasnogvardeiske	Mso	K2
4391	Annovske	Mso	K2
4392	Kirovskii	Mso	K2
4393	Stankovatskaya	Mso	K2
4394	Kurnikoskoye-W	Mso	K2
4395	Stepne	Mso	K2
4396	Novopavdovske	Mso	K2
4397	Manuiylivske	Mso	K2
4398	Steblevskaya	Mso	K2
4399	Podgaitsevskoye	Mso	K2
4400	Andriivske	Mso	K2
4401	Kohanivske	Mso	K2
4402	Rand Proprietary M Tailings	PQPC	K6
4403	Honghaigou	Sst	N2
4404	Tamdikuduk-Tulyantashkaya	Sst	M3
4405	Masimong	PQPC	K6
4406	South Deep Mine (Tailings)	PQPC	K6
4407	Vredefort	PQPC	K6
4408	Gurvanbulak Intermediate Zone	Volc	O2
4409	Plateau West	Sst	F7
4410	Fraserburg 2	Sst	K6
4411	Fraserburg	Sst	K6
4412	Mazarete Extension W (Zona II)	Sst	I2
4413	Pirna	Sst	J2
4414	Tierhoek	Sst	K6
4415	Vermeulenskraal	PQPC	K6
4416	St Helena Tailings	PQPC	K6

WORLD DISTRIBUTION OF GRANITE-RELATED URANIUM DEPOSITS

IAEA International Atomic Energy Agency

SECOND EDITION: 2018

Scale 1: 1:35 000 000

Kilometres 500 0 500 1,000 1,500 2,000 Kilometres

Mercator Projection: Central Meridian 10°

Map production by M.C. Fairclough (IAEA), J.A. Irvine (Australia), L.F. Katona (Australia) and W.L. Slimmon (Canada). World Distribution of Uranium Deposits, International Atomic Energy Agency, Vienna, Austria. Cartographic assistance was supplied by the Geological Survey of South Australia, the Saskatchewan Geological Survey and United States Geological Survey to the IAEA.

Deposit data derived from IAEA UDEPO (http://infcis.iaea.org/UDEPO/About.cshtml) database with assistance from P. Bruneton (France), M. Mihalasky (U.S.A.), M. Cuney (France), M. Aranha (IAEA), O. Pylypenko (IAEA) and K. Poliakovska (IAEA). The map is an updated companion to "World Distribution of Uranium Deposits (UDEPO) with Uranium Deposit Classification, IAEA Tech-Doc-1629" and "World Distribution of Uranium Deposits (UDEPO) 2016 Edition, IAEA Tec-Doc in-preparation". Map data is current to beginning 2017.

Geology was derived from L.B. Chorlton, Generalized Geology of the World, Geological Survey of Canada, Open File 5529, 2007 under Open Government Licence - Canada (http://data.gc.ca/eng/open-government-licence-canada)

Coastlines and drainage were obtained from Natural Earth public domain vector map data (http://www.naturalearthdata.com/about/terms-of-use). Country boundaries are from the United Nations² (http://www.un.org/Depts/Cartographic/english/htmain.htm). The use of particular designations of countries or territories does not imply any judgement by the publisher, the IAEA, as to the legal status of such countries or territories, of their authorities and institutions or of the delimitation of their boundaries. Dotted line represents approximately the Line of Control in Jammu and Kashmir agreed upon by India and Pakistan. The final status of Jammu and Kashmir has not yet been agreed upon by the parties. Final boundary between the Republic of Sudan and the Republic of South Sudan has not yet been determined.

Deposit Type	Deposit Subtype	Deposit Size (tU original or produced+remaining resource) < 1 000	1 001 - 5 000	5 001 - 25 000	25 001 - 100 000	> 100 000
1. Intrusive (Int)	Anatectic					
	Plutonic¹					
2. Granite-related (Gran)	Endogranitic					
	Perigranitic					
3. Polymetallic Fe oxide breccia complex¹ (PBx)						
4. Volcanic-related (Volc)	Stratabound					
	Structure-bound					
	Volcano-sedimentary					
5. Metasomatite (Mso)	Na-metasomatite					
	K-metasomatite					
	Skarn					
6. Metamorphite (Met)	Stratabound					
	Structure-bound					
	Marble-hosted					
7. Proterozoic unconformity (Unc)	Unconformity-contact					
	Basement-hosted					
	Stratiform fracture-controlled					
8. Collapse breccia pipe (CBx)						
9. Sandstone (Sst)	Basal channel					
	Tabular					
	Roll-front					
	Tectonic-lithologic					
	Mafic dykes/sills					
10. Paleo quartz-pebble conglomerate (PQPC)	U-dominant					
	Au-dominant¹					
11. Surficial (Surf)	Peat-bog					
	Fluvial valley					
	Lacustrine-playa					
	Pedogenic and fracture fill					
12. Lignite-coal¹ (LigCo)	Stratiform					
	Fracture controlled					
13. Carbonate (Carb)	Stratabound					
	Cataclastic					
	Paleokarst					
14. Phosphate¹ (Pho)	Organic phosphorite					
	Microchemical phosphorite					
	Continental phosphate					
15. Black shale (BSh)	Stratiform					
	Stockwork					

· Undifferentiated and unverified Uranium occurrence with no known resource estimation
▲ Undifferentiated Thorium deposit and occurrence from IAEA ThDEPO database

The Dep IDs are unique deposit identification numbers corresponding to the IAEA UDEPO database records. A deposit is defined as there is known to be a resource estimation undertaken. If the exact estimation is unknown, an estimated range is generated by IAEA. This is particularly so with unconventional resources¹ from which uranium is present at very low grades and/or only recoverable as a minor by-product using special processing techniques. Resources shown are not current remaining resources, but are the maximum of original geological resource, production figures or remaining resources at the lowest available cut-off grade. They include historic resources, and so may not be compliant with contemporary reporting standards and are not endorsed by IAEA as such. Where available, resource estimations for individual discrete ore zones are shown. Where this is not possible, some aggregation of resources are necessary. No economic or financial inferences with respect to recoverability of uranium are intended. The list of deposits is not exhaustive or current. There are 2831 deposits shown on the face of the map, but only those 102 greater than 100 000tU, or currently producing uranium, are named. Other deposits greater than 2500tU (863 deposits) are numbered, and along with larger or producing deposits, are listed below the map face. All other deposits (1866) 2500tU or less are only shown as symbols with no annotation but can be queried as described in https://helpx.adobe.com/acrobat/using/geospatial-pdfs.html.

Map Legend

- Populated place
- Railroad
- Road
- Country boundary²
- Fault trace

Lithology

- Metamorphic rocks
- Intrusive rocks
- Sedimentary and volcanic rocks
- Sedimentary rocks
- Tectonized rocks
- Volcanic and intrusive rocks
- Volcanic rocks

Era

- Holocene and Recent ice cap
- Cenozoic
- Mesozoic
- Paleozoic
- Neoproterozoic
- Mesoproterozoic
- Paleoproterozoic
- Proterozoic (undifferentiated)
- Archean and Proterozoic

Dep ID	Dep Name	Dep Type	Grid
0001	Abankor	Met	J3
0004	**Timgaouine**	**Gran**	**J3**
0005	Tinef	Met	J3
0006	Cerro Solo	Sst	F7
0011	Rodolfo	Sst	F6
0014	Angela	Sst	P6
0017	Ben Lomond	Volc	Q5
0018	Bennetts Well	Sst	O6
0019	Beverley	Sst	P6
0020	Bigrlyi	Sst	P6
0022	Centipede	Surf	P6
0029	Goulds Dam	Sst	P6
0032	Honeymoon	Sst	Q6
0033	Huarabagoo	Sst	P5
0034	Jabiluka 1	Unc	P5
0035	Junnagunna	Sst	P5
0036	Kintyre	Unc	P6
0037	Koongarra 1	Unc	P5
0038	Lake Maitland	Surf	P6
0041	Lake Way	Surf	P6
0043	Manyingee	Sst	O6
0044	Mary Kathleen	Mso	Q6
0047	Mount Gee	PBx	P6
0050	Nabarlek	Unc	P5
0051	Napperby	Surf	P6
0052	Nowthana	Surf	O6
0053	Olympic Dam	PBx	P6
0059	Ranger 68	Unc	P5
0060	Redtree	Sst	P5
0062	Skal	Mso	P6
0064	Thatcher Soak West	Surf	P6
0068	Valhalla	Mso	P6
0070	Warrior	Sst	P6
0073	Yeelirrie	Surf	O6
0075	Amorinopolis	Sst	G5
0077	Espinharas	Mso	H5
0078	Figueira	Sst	G6
0079	Gandarela	PQPC	G6
0080	Itataia-Santa Quiteria District	Met	H5
0082	Pocos De Caldas - Cercado	Int	G6
0083	Serra Das Gaivotas	PQPC	G6
0089	Eleshnitza District	Sst	K2
0104	Similti	Sst	K2
0109	Agnew Lake	PQPC	E2
0112	Blizzard	Sst	D2
0113	Cigar Lake	Unc	D2
0116	Collins Bay A	Unc	D2
0117	Cluff Lake D	Unc	D2
0118	Dawn Lake	Unc	D2
0119	Denison Mine	PQPC	E2
0122	Eagle Point	Unc	D2
0124	Gunnar	Mso	D2
0126	Deilmann	Unc	D2
0127	Kiggavik Main	Unc	E1
0130	Madawaska	Int	F2
0132	Mcarthur River	Unc	D2
0133	Mcclean Lake Pods	Unc	D2
0134	Michelin	Mso	G2
0135	Midwest	Unc	D2
0136	Nordic	PQPC	E2
0137	Lacnor	PQPC	E2
0138	Panel Mine	PQPC	E2
0139	Spanish American	PQPC	E2
0141	Quirke	PQPC	E2
0142	Milliken	PQPC	E2
0143	Rabbit Lake	Unc	D2
0144	Raven	Unc	D2
0147	Stanleigh	PQPC	E2
0155	Kitongo	Mso	J4
0157	Beimianshi	Volc	O3
0160	Chanziping	Bsh	O3
0170	Lianshanguan-Benxi Mine	Mso	P2
0172	Nuheting	Sst	O2
0175	Chengzishan (381)	Sst	N3
0179	**Xiazhuang District (16 deposits)**	**Gran**	**O3**
0180	Xiangshan District (11 deposits)	Volc	O3
0181	Brevniste	Sst	J2
0184	Hamr North (Hamr I)	Sst	J2
0185	**Horni Slavkov District (10 dep)**	**Gran**	**J2**
0186	Hvezdov	Sst	J2
0187	**Jachymov District (12 mines)**	**Gran**	**J2**
0191	Mimon	Sst	J2
0193	Olsi-Dranonin	Met	J2
0194	Osecna-Kotel	Sst	J2
0196	Rozna	Met	J2
0197	Straz	Sst	J2
0198	**Vitkov II**	**Gran**	**J2**
0200	**Zadni Chodov**	**Gran**	**J2**
0201	Kvanefjeld	Int	G1
0210	**Bellezane**	**Gran**	**J2**
0213	Coutras	Sst	J2
0220	**Commanderie (La)**	**Gran**	**I2**
0221	**Bernardan (Le)**	**Gran**	**I2**
0223	**Chardon (Le)**	**Gran**	**I2**
0225	**Bois Noirs (Les)**	**Gran**	**I2**
0231	Mas Lavayre	Sst	J2
0232	**Margnac-Peny**	**Gran**	**J2**
0239	Bagombé	Sst	J5
0242	Mounana	Sst	J5
0244	Oklo	Sst	J5
0247	Culmitzsch	Sst	J2
0248	Freital-Gittersee	LigCo	J2
0250	**Johanngeorgenstadt**	**Gran**	**J2**
0251	Koenigstein	Sst	J2
0255	**Niederschlema-Alberoda field**	**Gran**	**J2**
0257	**Tellerhäuser**	**Gran**	**J2**
0259	**Zobes**	**Gran**	**J2**
0261	Bhatin	Met	N3
0262	Domiasiat (KPN)	Sst	N3
0263	Jaduguda	Met	N3
0266	Narwapahar	Met	N3
0268	Rohil	Mso	M3
0269	Tummalapalle - Rachakuntapalle	Carb	M4
0270	Turamdih	Met	N3
0271	Wahkyn	Sst	N3
0273	Peddagattu	Unc	M4
0274	Remaja-Hitam	Met	O5
0277	Al Abiad-Al Wady	Pho	K3
0278	Al Hassa - Al Qatrana	Pho	K3
0279	Al Shedeye - Eshidia	Pho	K3
0280	Ruseifa	Pho	K3
0282	Tono District (4 Deposits)	Sst	P3
0283	Agashskoye	Met	M2
0285	Assarchik	Sst	M2
0286	Balkashinskoye	Volc	M2
0289	Botaburum	Volc	M2
0290	Budennovskoye 1, 3 & 4	Sst	M2
0291	Burlukskoye	Met	M2
0292	Chaglinskoye	Met	M2
0294	Daba	Volc	M2
0297	**Dzhusandalynskoye**	**Gran**	**M2**
0298	Dzhidely	Volc	M2
0299	Fevralskoye	Met	M2
0300	Glubinnoye	Met	M2
0301	Grachevskoye	Met	M2
0303	Inkai 1, 2 & 3	Sst	M2
0304	Irkol	Sst	M2
0305	Ishimskoye	Met	M2
0306	Kamyshevoye	Met	M2
0307	Kanzhugan	Sst	M2
0308	Karakoyn	Sst	M2
0309	Karamurun North	Sst	M2
0310	Karamurun South	Sst	M2
0311	Karyntarynskoye	Pho	L2
0313	Kharasan 1-North	Sst	M2
0315	Koldzhat	LigCo	N2
0321	Kyzylsay District (8 deposits)	Volc	M2
0323	Kyzyltu	Sst	M2
0326	Manybaiskoye	Volc	M2
0327	Melovoye	Pho	L2
0328	Moynkum Central	Sst	M2
0329	Mynkuduk East	Sst	M2
0331	Nizhneyiyskoye	LigCo	M2
0333	Semizbai	Sst	M2
0335	Shokpak	Met	M2
0336	Sholak-Espe	Sst	M2
0338	Slavyanskoye	Met	M2
0339	Suluchekinskoye	Sst	M2
0342	Tasmurunskoye	Pho	L2
0344	Taybagarskoye	Pho	L2
0345	Tomakskoye	Pho	L2
0347	Uvanas	Sst	M2
0348	Victorovskoye	Met	M2
0349	Vostok	Met	M2
0352	Zarechnoye	Sst	M2
0353	Zaozernoye	Met	M2
0354	Zhalpak	Sst	M2
0355	Zhautkan	Sst	M2
0356	Zvyozdnoe	Met	M2
0357	Maylisay	Carb	M2
0358	Mailuu-Suu	Carb	M2
0360	Turakavak	LigCo	M2
0367	La Sierrita	Sst	E3
0371	Santo Domingo	Pho	D3
0372	Kayelekera	Sst	K5
0373	Dornod District (12 deposits)	Volc	O2
0374	Gurvanbulak Central Zone	Volc	O2
0375	Kharaat	Volc	O2
0379	Gantour Basin	Pho	I3
0380	Oulad Abdoun Basin	Pho	I3
0381	Meskala Basin	Pho	I3
0382	Oued Eddahab Basin	Pho	I3
0387	Klein Trekkopje	Surf	J6
0388	Langer Heinrich	Surf	J6
0390	Rossing	Int	J6
0391	Tumas	Surf	J6
0392	Valencia	Int	J6
0394	Ebba Nord	Sst	J4
0395	Ebba Sud	Sst	J4
0396	Akola	Sst	J4
0397	Akouta Nord	Sst	J4
0398	Akouta Sud	Sst	J4
0399	Ariege	Sst	J4
0401	Arlette	Sst	J4
0403	Artois	Sst	J4
0404	Abakorum	Sst	J4
0405	Imouraren	Sst	J4
0407	Tamou	Sst	J4
0408	Taza Nord	Sst	J4
0420	Rajsk	Bsh	K2
0428	**Nisa**	**Gran**	**I3**
0432	**Urgeirica**	**Gran**	**I2**
0435	Shinkolobwe-Kasolo	Met	K5
0439	Baita Bihor	Sst	K2
0445	Crucea	Met	K2
0447	Dobrei South	Sst	K2
0456	Tulghes-Grinties	Met	K2
0460	Antei	Volc	O2
0461	Argunskoye	Volc	O2
0463	Badyelskoye	Volc	O2
0466	Belskoje	Sst	M2
0468	**Beryozovoye**	**Gran**	**O2**
0469	Beshtaugorskoye	Met	M2
0472	Briketno-Zheltuhinskoye	LigCo	K2
0474	Buyanovskoye	Volc	O2
0477	**Bytyguchag**	**Gran**	**Q1**
0479	Chaplinskoye	LigCo	S1
0482	**Crystalnoye**	**Gran**	**O2**
0483	Dalneye	Volc	O2
0484	Dobrovolnoye	Sst	M2
0485	Dolmatovskoye	Sst	M2
0486	Druzhnoye	Mso	P2
0487	Dybryn	Sst	O2
0492	**Gornoye**	**Gran**	**O2**
0493	Imskoye	Sst	O2
0494	Interesnoye	Mso	P2
0497	Karhu	Unc	K1
0500	Kedrovoye	Sst	N1
0503	Khiagdinskoye	Sst	O2
0504	Khokhlovskoye	Sst	M2
0505	Kolichikan	Sst	O2
0507	Koretkondinskoye	Sst	O2
0508	Kosmozero	Mso	K1
0513	Lastochka	Volc	P2
0515	Luchistoye	Volc	O2
0516	Malinovskoye	Sst	N2
0517	Malo-Tulukuevskoye	Volc	O2
0518	Martovskoye	Volc	O2
0520	Meridionalnoye	Volc	O2
0522	Namaru	Sst	O2
0524	Novogodneye	Volc	O2
0526	Oktyabrskoye	Volc	O2
0527	Olovskoye	Sst	O2
0528	Osenneye	Met	K1
0530	Prigorodnoye	Sst	N2
0531	Primorskoye	Sst	N2
0533	Pyatilentneye	Volc	O2
0534	Rodionovskoye	Surf	O2
0537	Repyevskoye	Sst	K2
0538	Rjabinovoye	Volc	N2
0539	Sanarskoye	Surf	M2
0544	Shirondukuevskoye	Volc	O2
0550	Srednaya Padma	Mso	K1
0551	Stepnovskoye	Pho	L2
0553	Stepnoye	LigCo	K2
0555	Streltsovskoye	Volc	O2
0559	Tetrakhskoye	Sst	O2
0562	Tsarevskoye	Mso	K1
0564	Tulukuevskoye	Volc	O2
0566	Ust-Uyukskoye	Sst	N2
0568	Vershinnoye	Volc	O2
0573	Vitlandskoye	Surf	O2
0576	Yubileinoye	Volc	O2
0578	Yugo-Zapadnoye	Volc	O2
0580	Zheglovskoye	Sst	O2
0581	Zherlovoye	Volc	O2
0583	Zjulzinskoye	Sst	O2
0585	Blyvooruitzicht Tailings	PQPC	K6
0586	Buffelsfontein	PQPC	K6
0587	Chemwes-Stilfontein	PQPC	K6
0588	Driefontein Mine	PQPC	K6
0589	Free State Geduld	PQPC	K6
0590	Harmony	PQPC	K6
0591	Hartebeestfontein	PQPC	K6
0592	Loraine	PQPC	K6
0593	Phalabora	Int	K6
0594	President Brand Mine	PQPC	K6
0595	President Steyn	PQPC	K6
0597	Oryx Mine (Beatrix West Section)	PQPC	K6
0599	Western Rand Tailings	PQPC	K6
0600	Western Areas Mine	PQPC	K6
0601	Western Deep Levels Mine	PQPC	K6
0602	Western Holdings	PQPC	K6
0603	Alio Ghelle	Mso	L4
0604	Dusa Mareb-El Bur District	Surf	L4
0606	Zirovski Vrh	Sst	J2
0616	**Mina Fe**	**Gran**	**I2**
0618	**Retortillo**	**Gran**	**I2**
0622	Ranstad	Bsh	J2
0625	Bailik	Bsh	L2
0626	Sernoye	Sst	L2
0632	Yozgat-Sorgun	Sst	K3
0633	Adamivske	LigCo	K2
0638	Kalynivske	Int	K2
0642	Michurinske	Mso	K2
0646	Pershotravneve	Mso	K2
0648	Safonivske	Sst	K2
0649	Severinivske	Mso	K2
0651	Vatutinske	Mso	K2
0652	Yuzhnoye	Int	K2
0653	Zhovtorichenske	Mso	K2
0655	Alta Mesa	Sst	E3
0656	Alta Verde	Sst	E3
0657	Ambrosia Lake District (Dysart)	Sst	D3
0658	Anderson Mine	Volc	D3
0660	Bear Creek Mines	Sst	D2
0662	Bernabe-Montano District	Sst	D3
0663	Big Buck / Velvet	Sst	D3
0664	Big Eagle Phase2/Green Mountain	Sst	D2
0666	Marsland Big Red	Sst	D3
0670	Borrego Pass	Sst	D3
0675	Butler-Weddington	Sst	E3
0680	Central Florida District	Pho	E3
0683	Christensen Ranch	Sst	D2
0684	Churchrock - Section 4	Sst	D3
0686	Clay West	Sst	E3
0688	**Copper Mountain**	**Gran**	**D2**
0689	Crooks Gap District	Sst	D2
0690	Crow Butte	Sst	D2
0691	Crownpoint	Sst	D3
0694	Dewey-Burdock	Sst	D2
0695	East Florida District	Pho	E3
0696	East Gas Hills	Sst	D2
0699	Fernandez Main Ranch	Sst	D3
0701	Jackpot Mine	Sst	D2
0704	Hansen	Sst	D3
0710	Highland	Sst	D2
0711	Holiday-El Mesquite	Sst	E3
0713	Irigaray	Sst	D2
0716	Jackpile - Paguate	Sst	D3
0722	Kingsville Dome	Sst	E3
0723	L-Bar Ranch	Sst	D3
0724	La Jara Mesa	Sst	D3
0728	Lee	Sst	D3
0729	Deremo Mine	Sst	D3
0732	Long Park	Sst	D3
0735	Lucky Mc Mine	Sst	D2
0737	Mancos-Sections 7-12	Sst	D3
0738	Mariano Lake	Sst	D3
0743	Mi Vida	Sst	D3
0744	**Midnite**	**Gran**	**D2**
0745	Monogram Mesa	Sst	D3
0751	Mount. Taylor Mine	Sst	D3
0752	Narrow Canyon	Sst	D3
0756	North Butte / Brown Ranch	Sst	D2
0757	North Florida District	Pho	E3
0758	Northeast Florida District	Pho	E3
0763	Pandora	Sst	D3
0764	Panna Maria	Sst	E3
0767	Petrotomics / Dave	Sst	D2
0771	Pitch Mine	Met	D3
0775	West Reno Creek	Sst	D2
0776	Rhode Ranch District	Sst	E3
0777	Rio Puerco	Sst	D3
0781	Ruby	Sst	D3
0785	Saint Anthony/M-6	Sst	D3
0789	Schwartzwalder Mine	Met	D3
0792	Sherwood Mine	Sst	D2
0794	Shirley Basin Mine	Sst	D2
0796	Slick Rock District	Sst	D3
0797	Smith Ranch	Sst	D2
0798	South Florida District	Pho	E3
0799	South Morton Ranch	Sst	D2
0802	Sweetwater Mine	Sst	D2
0803	Taylor Ranch	Sst	D3
0805	Tony M	Sst	D3
0809	Atkinson Mesa District	Sst	D3
0810	Vanadium	Sst	D3
0812	West Gas Hills	Sst	D2
0813	West Largo	Sst	D3
0814	Whiskey Peak / Green Mountain	Sst	D2
0815	Agron	Sst	M3
0816	Aktau	Sst	M2
0817	Alatanga	Volc	M2
0818	Alendy	Sst	M2
0820	Aulbek	Sst	M2
0823	Beshkak	Sst	M2
0824	Bukinay North	Sst	M2
0826	Chauli	Volc	M2
0827	Dzhantuar	Bsh	M2
0828	Kenimekh	Sst	M2
0830	Kendyktjube	Sst	M2
0831	Ketmenchi	Sst	M3
0833	Lyavlyakan	Sst	M2
0835	Meylysai	Sst	M2
0836	Nagornoye	Sst	M3
0837	Rudnoye	Bsh	M2
0838	Sabyrsay	Sst	M3
0839	Severny Kanimekh	Sst	M2
0841	Shark	Sst	M3
0842	Sugraly	Sst	M2
0845	Tutlyinskaya	Sst	M3
0846	Uchkuduk	Sst	M2
0847	Ulus	Sst	M3
0849	Yuzhny Bukinai	Sst	M2
0851	Khe Hoa-Khe Cao	Sst	O4
0890	Tabelle	Sst	J4
0891	Taza Sud	Sst	J4
0892	Takriza	Sst	J4
0893	Tamgak	Sst	J4
0895	Marianne - Maryline	Sst	J4
0929	Church Rock - Section 8 and 17	Sst	D3
0930	Peach	Sst	D2
0932	Reynolds Ranch	Sst	D2
0942	Tortkuduk	Sst	M2
0947	Oobagooma-Yampi	Sst	P5
0948	91 Ranger 1 N°1	Unc	P5
0951	Jabiluka 2	Unc	P5
0952	Ranger 1 N°3	Unc	P5
0953	**Oberschlema**	**Gran**	**J2**
0955	Val Vedello	Volc	J2
0977	Prominent Hill	PBx	P6
0979	Nolans Bore	Int	P6
0981	Ace-Fay-Verna	Met	D2
0982	Andrew Lake	Unc	E1
0985	End Grid	Unc	E1
0988	Horseshoe	Unc	D2
0990	Millennium	Unc	D2
0992	P Patch Zone	Unc	D2
0994	Shea Creek-Anne	Unc	D2
0995	Shea Creek-Colette	Unc	D2
0996	Shea Creek-Kianna	Unc	D2
0998	Cluff Lake Dominique-Peter	Unc	D2
0999	Cluff Lake Dominique-Jeanine	Unc	D2
1000	Collins Bay B	Unc	D2
1003	Kiggavik Centre	Unc	E1
1006	Sue C	Unc	D2
1008	Sue E	Unc	D2
1010	Eldorado (Port Radium)	Met	D1
1012	Bagjata	Met	N3
1013	Banduhurang - Turamdih South	Met	N3
1030	**Gogi**	**Gran**	**M4**
1031	Chitrial	Unc	M4
1042	BJ Lake	Unc	D2
1051	Centennial	Unc	D2
1053	Charlebois Lake	Int	D2
1059	Dieter Lake	Bsh	F2
1075	Jacques Lake	Mso	G2
1077	Drope Lake - La Ronge	Int	D2
1078	Lac Cinquante	Met	E1
1082	Midwest A	Unc	D2
1083	Matoush	Sst	F2
1086	Roughrider	Unc	D2
1091	Mountain Lake	Sst	D1
1099	P2 Main	Unc	D2
1100	Paul Bay	Unc	D2
1110	Tamarack	Unc	D2
1120	Shihongtan	Sst	N2
1121	Zhaohuohao (396)	Sst	O3
1138	Allied Zones	Int	F2
1139	Apple	PQPC	F2
1143	Can-Met	PQPC	E2
1145	Eco Ridge Mine	PQPC	E2
1150	L	Sst	F2
1156	Stanrock	PQPC	E2
1162	Veznice	Met	J2
1165	Luena Basin	LigCo	K5
1166	Musonoi Extension	Met	K5
1168	Siwaqa	Surf	K3
1169	Akdala	Sst	M2
1176	Falea	Sst	I4
1178	Khairkhan	Sst	O2
1179	Ulaan Nuur	Sst	O2
1180	Aussinanis	Surf	J6
1181	Anomaly A (Etango)	Int	J6
1184	Marenica	Surf	J6
1185	Trekkopje	Surf	J6
1187	Arcadie	Sst	J4
1191	Nord Somair	Sst	J4
1192	Taossa	Sst	J4
1193	Teguidda (Ir, G, T)	Sst	J4
1195	Yuti	Sst	G6
1196	Corachapi	Volc	F5
1198	Kemchug	Volc	N2
1200	Ghurayyah	Int	K3
1203	Kuriskova	Volc	K2
1204	Novoveska Huta	Volc	K2
1209	Denny Dalton	PQPC	K6
1210	Dominion Reefs	PQPC	K6
1211	Ezulwini	PQPC	K6
1212	Rietkuil	PQPC	K6
1213	Ryst Kuil	Sst	K6
1214	Springbok Flats	LigCo	K6
1215	**Gambuta**	**Gran**	**I3**
1218	Duobblon	Volc	J1
1225	Tasjo District	Pho	J1
1231	Dibwe	Sst	K5
1235	Mutanga Main	Sst	K5
1237	Njame	Sst	K5
1238	Severnoye	Mso	P2
1239	Tsentralne	Mso	K2
1240	Novokostyantynivske	Mso	K2
1241	Pidhajtsivske	Mso	K2
1247	Abeta	PQPC	E2
1248	Banana Lake	PQPC	E2
1253	Gaertner	Unc	D2
1254	Millaqua	PQPC	E2
1255	Silvermaque	PQPC	E2
1258	Serule Nw	Sst	K6
1267	Firawa	Met	I4
1268	Kanyika	Int	K5
1269	Garnet Valley	Int	J6
1270	Namib Park	Surf	J6
1272	Oryx (Tumas 3)	Surf	J6
1277	Beisa North	PQPC	K6
1279	Cooke / Old Randfontein Tailings	PQPC	K6
1280	East Rand Consolidated Tailing	PQPC	K6
1284	Potchefstroom Goldfield	PQPC	K6
1285	Southern Free State (4 deposits)	PQPC	K6
1286	Vaal River Tailings	PQPC	K6
1290	Nyota	Sst	K5
1298	North Shore Double S Zone	Int	F2
1299	North Shore Middle Zone	Int	F2
1300	North Shore Tj Zone	Int	F2
1303	Chuquicamata	Int	F6
1307	Oshively	Int	J6
1311	MMS Vicken	Bsh	J1
1313	Sw Reno Creek	Sst	D2
1316	Four Mile East	Sst	P6
1317	Dawson-Hinkler	Surf	P6
1319	Windimurra	Surf	O6
1327	Blackbush	Sst	P6
1329	E1 North & South	PBx	Q6
1330	Four Mile West	Sst	P6
1331	Hillview	Surf	O6
1339	Araxa	Int	G5
1342	Olinda	Pho	H5
1343	Pitinga	Int	F5
1347	Amer Lake- Main Zone	Sst	E1
1351	Moran Lake C Zone	Met	F2
1358	Phoenix	Unc	D2
1359	Pama	Pho	K4
1360	Pato	Pho	K4
1361	Patricia	Pho	K4
1367	Sierra Gorda	Int	F6
1368	Chengxian Mine	Bsh	O3
1370	**Lantian Mine**	**Gran**	**O3**
1374	Saima	Int	P2
1377	Berlin	Sst	F4
1378	Brzkov	Met	J2
1383	Pecs	Sst	J2
1390	Tyuya-Muyum	Carb	M2
1395	San Juan De La Costa	Pho	D3
1397	Turgen District	Volc	O2
1398	Ugtam	Volc	O2
1400	Inca	Mso	J6
1401	Imca 25	Sst	J4
1402	Irhawenzegirhan	Sst	J4
1406	Isakanan	Sst	J4
1408	Taunsa	Sst	M3
1409	Colibri 2 & 3	Volc	F5
1413	Abu Tartur	Pho	K3
1414	Akashat	Pho	K3
1415	Elkon	Mso	P2
1416	Elkonskoe Plateau	Mso	P2
1417	Kurung	Mso	P2
1419	Kopanang Mine	PQPC	K6
1421	**Sageras-Zona M**	**Gran**	**I2**
1424	Palmira District	Pho	K3
1429	Antelope	Sst	D2
1431	Aurora	Volc	D2
1432	Bingham Canyon	Int	D2
1433	Black Jack 1 & 2	Sst	D3
1443	Coles Hill North	Mso	F3
1444	Coles Hills South	Mso	F3
1461	Hank Unit	Sst	D2
1462	Hosta Butte	Sst	D3
1465	Juan Tafoya	Sst	D3
1467	Kings Valley	Volc	D2
1468	Los Quatros	Volc	D3
1469	Lost Creek	Sst	D2
1470	Lost Soldier	Sst	D2
1471	Marquez	Sst	D3
1479	Section 22 (New Mexico)	Sst	D3
1480	Section 23 (New Mexico)	Sst	D3
1481	Section 24 (New Mexico)	Sst	D3
1485	Section 30 (New Mexico)	Sst	D3
1489	Sheep Mountain	Sst	D2
1494	Velvet-Wood Mines	Sst	D3
1495	Virgin Valley	Volc	D2
1503	Tabhing Area	Sst	O4
1505	Malundwe	Met	K5
1508	Double 8	Sst	P6
1515	**Lujing District (5 deposits)**	**Gran**	**O3**
1517	Qianjiadian (2 deposits)	Sst	P2
1520	Serres Basin	LigCo	K2
1521	Inkai South-4	Sst	M2
1525	Onkelo	Int	J6
1526	Bayovar	Pho	E5
1527	Neprokhodimoye	Mso	P2
1532	Goliad	Sst	E3
1534	Hack Canyon 2	CBx	D3
1542	Budennovskoye 2	Sst	M2
1543	Ambassador	LigCo	P6
1544	Emperor	LigCo	P6
1546	Gorgon Main	Sst	K6
1547	Kraken	Sst	K6
1548	Husab - Zone 1	Int	J6
1549	Husab - Zone 2	Int	J6
1550	Shanawah	Sst	M3
1554	Negev Desert District	Pho	K3
1562	Beatrix	PQPC	K6
1563	Kloof Tailings	PQPC	K6
1564	South Deep Mine (Underground)	PQPC	K6
1565	Cooke 1, 2 & 3/Old Randfontein	PQPC	K6
1568	Barber	Sst	D2
1569	Boyer	Sst	D3
1571	Coyote Basin	LigCo	D2
1575	Noah	Sst	D3
1576	North West Taylor	Sst	D3
1579	Ross	Sst	D2
1582	Roca Honda Mine	Sst	D3
1583	Attarat-Wadi Maghar	Pho	K3
1585	Gachin	Surf	L3
1590	Toongi	Int	Q6
1591	Beerwalde-Korbussen	Bsh	J2
1592	**Bernsbach**	**Gran**	**J2**
1596	Crimmitschauer Fault Zone	Bsh	J2
1597	Drosen	Bsh	J2
1601	Gera Sud	Sst	J2
1604	Kyhna - Schenkenberg	Volc	J2
1605	Lichtenberg	Bsh	J2
1607	Paitzdorf	Bsh	J2
1609	Prehna	Bsh	J2
1611	Schmirchau - Reust	Bsh	J2
1619	Zeitz - Baldenhain	Bsh	J2
1620	Kaynar	Sst	M2
1622	Kharasan 2-South	Sst	M2
1623	Moynkum South	Sst	M2
1624	Mynkuduk Central	Sst	M2
1625	Mynkuduk West	Sst	M2
1626	Chubu	Bsh	P3
1628	Gumsan	Bsh	P3
1632	Yokwang	Bsh	P3
1636	Takardeit	Sst	J4
1637	Tin Negouran	Sst	J4
1641	Zona Pologaya	Mso	P2
1652	Cappers	Surf	P6
1653	**Archontovounis**	**Gran**	**K2**
1656	**Alameda**	**Gran**	**I2**
1659	Haggan	Bsh	J1
1662	Husab - Zone 3	Int	J6
1664	Husab - Zone 4	Int	J6
1665	Great Nolingwa Mine	PQPC	K6
1666	Moab Khotsong	PQPC	K6
1667	Mponeng	PQPC	K6
1671	**Majuelos**	**Gran**	**I2**
1675	Tubas Red Sand	Surf	J6
1694	Carley Bore	Sst	O6
1695	Odin	Mso	P6
1696	Gorgon West	Sst	K6
1697	Gorgon South	Sst	K6
1699	Catalao	Int	G5
1700	Drucourt Zone	Int	F2
1702	J Zone	Unc	D2
1703	Kolmisoppi	Bsh	K1
1704	Kuusilampi	Bsh	K1
1708	Khan Azzabib	Surf	K3
1709	Sadyrnynskoye	Pho	L2
1710	Hyena	Int	J6
1711	Ondjamba	Int	J6
1712	Miriam	Sst	J4
1713	Isivilla	Volc	F5
1715	Tantamaco	Volc	F5
1717	Jabal Sayid	Int	L3
1725	Phosphoria Formation	Pho	D2
1742	MML-E	Sst	J2
1743	Tuyuk-Suu	LigCo	M2
1755	Carrapateena	PBx	P6
1757	Pepegoona	Sst	P6
1759	San Hilario	Pho	D3
1761	Tembabiche	Pho	D3
1762	UF1	Pho	D3
1763	Glibat Lafhouda	Int	I3
1764	Twihinate	Int	I3
1765	De Bron	PQPC	K6
1767	Riet Kuil	Sst	K6
1768	Guanaco	Surf	F7
1770	Plumbush	Sst	P6
1772	Serule W	Sst	K6
1774	Radomiro Tomic	Int	F6
1775	A 238	Mso	I3
1776	Ain Sder C1-CJ-CR	Surf	I3
1777	Oued El Foule East	Surf	I3
1778	Oum Ferkik L-K	Surf	I3
1780	Ongolo	Int	J6
1781	Husab - Zone 5	Int	J6
1782	Al Jalamid	Pho	L3
1783	East Ebro Valley (5 deposits)	LigCo	I2
1784	Temrezli	Sst	K3
1791	Bikini	Mso	P6
1793	Millipede	Surf	P6
1796	Rio Cristallino	Sst	G5
1797	Pecors East	PQPC	E2
1798	MA 7	Int	J6
1799	Namibplass	Int	J6
1803	Dulaan Uul	Sst	O2
1805	Lubin-Sieroszowice	Bsh	J2
1810	Congo Pit	Sst	D2
1819	Todilto District	Carb	D3
1821	Igarape Bahia	PBx	G5
1822	Salobo	PBx	G5
1823	Sossego	PBx	G5
1824	J4/Ray	Met	E1
1826	Zoovch Ovoo	Sst	O2
1829	Ranger Deeps	Unc	P5
1830	Illimaussaq Zone 3	Int	G1
1831	**Gabbal Guttar**	**Gran**	**K3**
1836	Manyoni District-Zone C 1	Surf	K5
1844	Theseus	Sst	P6
1846	Frazer Lake-Zone B	Int	D2
1849	Guyuan	Volc	O3
1850	**Hechaokeng**	**Gran**	**O2**
1851	Kujiertai	Sst	N2
1854	Pannikan	Sst	P6
1855	Pepegoona West	Sst	P6
1856	Buckton Zone	Bsh	D2
1858	**Taoshan**	**Gran**	**O3**
1859	La Banane	Sst	J4
1864	Msne	Sst	J4
1866	Oak Dam	Sst	P6
1868	Maoyangtuo (570)	Met	O3
1869	Wukuerqi	Sst	N2
1872	Plouznice	Sst	J2
1874	Sorensen	Int	G1
1878	Dwaima	Pho	K3
1879	Ethna	Pho	K3
1880	Hirri	Pho	L3
1881	H 3	Pho	K3
1882	Marbat	Pho	L3
1883	Swab	Pho	K3
1885	Ulzitt	Sst	O2
1886	Dajy	Sst	J4
1887	Dasa 1, 2 & 3	Sst	J4
1891	Marby	Bsh	J1
1894	Minjingu	Pho	K5
1911	Kendrick	Sst	D2
1913	Lisbon Mine	Sst	D3
1922	North Reno Creek	Sst	D2
1923	Nose Rock	Sst	D3
1936	Twin Butte	Int	D3
1938	White Canyon District	Sst	D3
1939	Yerington	Int	D3
1941	Buckton South	Bsh	D2
1942	Canuc Zone	PQPC	E2
1943	Milo	PBx	Q6
1945	Gemico Block 3	PQPC	E2
1946	Gemico Block 10	PQPC	E2
1947	Triple R	Unc	D2
1948	Teasdale Lake Zone	PQPC	E2
1949	Bayinwula	Sst	O2
1951	Shashagetai	Sst	O3
1952	Sunjialiang	Sst	O3
1955	Z 20	Int	J6
1956	Armelle	Sst	J4
1957	Tamani	Sst	J4
1958	Tamgak Deep	Sst	J4
1959	Taverse	Sst	J4
1960	Bloemhoek	PQPC	K6
1961	Cooke 4 (Gauteng)	PQPC	K6
1967	Chattanooga Shale Formation	Bsh	E3
1969	Dibwe East	Sst	K5
1971	Northern Great Plains	LigCo	D2
1972	Happy Valley 2-15	Int	J6
1973	Happy Valley 18	Int	J6
1978	West Rand Tailings (Wrtrp)	PQPC	K6
1979	West Witts Tailings (13 Tailings)	PQPC	K6
1980	Narke	Bsh	J2
1988	Palua	Sst	O4
1989	Parong	Sst	O4
1990	Tebessa District	Pho	J3
1991	Fosse-Pamela	Pho	K4
1992	El Sebaeya East	Pho	K3
1993	Red Sea District	Pho	K3
1994	Chatham Rise	Pho	R7
1995	Gafsa-Metlaoui District	Pho	J3
1996	Binh Duong	Pho	O3
1998	Nong Son	LigCo	O4
2000	Monument Valley District	Sst	D3
2002	Fab Trend	Sst	D2
2007	Billeroo	Sst	P6
2008	Brooks Dam	Sst	Q6
2009	Four Mile North-East	Sst	P6
2029	Arrow	Unc	D2
2032	Gryphon	Unc	D2
2034	Mann Lake	Unc	D2
2040	Léré	Mso	J4
2041	Motzfeldt	Int	G1
2047	La Terraza	Volc	F6
2053	Terraza North	Volc	F6
2054	Tigre I	Volc	F6
2845	Stilfontein	PQPC	K6
4176	Treviels	Sst	J2
4192	Baltoscandia District	Bsh	K2
4196	**Kok Moinok**	**Gran**	**M2**
4198	Aghracha	Surf	I3
4199	Drag-Al Farnane	Int	I3
4202	Tarfaya Basin	Bsh	I3
4203	Timahdit Basin	Bsh	I3
4204	Welwitschia Flats	Surf	J6
4210	Chilcuno Chico	Volc	F5
4212	Quebradra Blanca	Volc	F5
4221	Al Khabra	Pho	K3
4222	Umm Wu'Al	Pho	K3
4223	Blyvooruitzicht Mine	PQPC	K6
4224	Daggafontein Mine	PQPC	K6
4226	Doornfontein	PQPC	K6
4228	Driefontein Tailings	PQPC	K6
4236	Ergo	PQPC	K6
4238	Freddies	PQPC	K6
4241	Luipaardsvlei	PQPC	K6
4243	Vaal Reefs Mine	PQPC	K6
4244	Virginia	PQPC	K6
4250	West Rand Consolidated Mine	PQPC	K6
4258	Cliffside Mine	CBx	D3
4261	Round Top	Int	D3
4265	Pilanesberg - Ledig Zone	Int	K6
4266	Krasnoselskoye	Bsh	K2
4267	Kotlovskoye	Bsh	K2
4268	Durban (Roodeport) Deep	PQPC	K6
4269	Kosachinoye	Met	M2
4270	El Sebaeya West	Pho	K3
4271	Mecsec Mine	Sst	J2
4272	Saaiplaas	PQPC	K6
4273	Deelkrall	PQPC	K6
4274	Mabounie	Int	J5
4275	Jeanette	PQPC	K6
4276	Fox Lake	Unc	D2
4277	**Bytiz 4, 22-40**	**Gran**	**J2**
4278	Engenho	Mso	G5
4279	Smaldeel	PQPC	K6
4280	Afrikander	PQPC	K6
4281	Zheltorechenske	Mso	K2
4282	Da Rabicha	Mso	G5
4283	Hamr South (Hamr II)	Sst	J2
4284	Bukinay South	Sst	M2
4285	Cristalino	PBx	G5
4286	Khamsin	PBx	P6
4287	Cachoeira	Mso	G5
4288	Kalbasfontein	PQPC	K6
4289	Litne	Mso	K2
4290	Balkovskoye	Pho	L2
4291	Mengqiguer 2	Sst	N2
4292	Zuurbekom	PQPC	K6
4293	Ebene	Sst	J4
4294	Modesto	Mso	G5
4295	Elandsrand	PQPC	K6
4296	Aquelt Assfaya	Surf	I3
4297	Ernest Henry	PBx	Q6
4298	Hakkies	PQPC	J6
4299	Phoenix	PQPC	K6
4300	**Puissagtaq**	**Gran**	**G1**
4301	Sutherland 2	Sst	K6
4302	Juzkuduk	Sst	M3
4303	**Lesetice**	**Gran**	**J2**
4304	Rhenosterroek	PQPC	K6
4305	Ergo Tailings	PQPC	K6
4306	Middle Dome	Int	J6
4307	Zvezdnoye	Met	M2
4308	Banadungri-Sinidungri	Met	N3
4309	Area 1 East	PQPC	K6
4310	Doornrivier	PQPC	K6
4311	Bofal-Loubboira	Pho	I4
4312	Alemao	PBx	G5
4313	Zhuravlinoye	Volc	O2
4314	Holicky	Sst	J2
4315	Hnativske	Mso	K2
4316	Yuriivske	Mso	K2
4317	Partyzanske	Mso	K2
4318	Pivdennokonoplyanske	Mso	K2
4319	Pivnichnokonoplyanske	Mso	K2
4320	Dokuchaevske	Mso	K2
4321	Kvitneve	Mso	K2
4322	Schorsivske	Mso	K2
4323	Lelekivske	Mso	K2
4324	Hannivka	Mso	K2
4325	Lisne	Mso	K2
4326	Kremenchugske	Mso	K2
4327	**Jeruzalem**	**Gran**	**J2**
4328	Melkraals	PQPC	J6
4329	Grootvlei Tailings	PQPC	K6
4330	Baimadong	Carb	O3
4331	Kareeport	Sst	K6
4332	Fochville	PQPC	K6
4333	Krizani	Sst	J2
4334	Boztauskaya	Bsh	M2
4335	Tushinskoye	Met	M2
4336	Mestena Grande	Sst	E3
4337	Haanekuil	Sst	K6
4338	Vermeulenskraal North	PQPC	K6
4339	Moab Extension	PQPC	K6
4340	Sarydjaz	Bsh	M2
4341	Robijn	PQPC	K6
4342	Salem	Int	J6
4343	Elandsfontein	Sst	K6
4344	Tshepong	PQPC	K6
4345	Phakisa	PQPC	K6
4346	**Brod**	**Gran**	**J2**
4347	Weltevreden	PQPC	K6
4348	Pocos De Caldas-Agostino	Int	G6
4349	Graben	Sst	F7
4350	Kyzyl	Volc	M2
4351	Das Quebradas	Mso	G5
4352	Laranjeiras	Mso	G5
4353	Prudovoye	Pho	L2
4354	Buratinskoye South	Pho	L2
4355	Bagaburulskoye NE	Pho	L2
4356	Kharabulukskoye North	Pho	L2
4357	Bagaburulskoye	Pho	L2
4358	Nugrinskoye	Pho	L2
4359	Bogorodskoye	Pho	L2
4360	Shargadykskoye	Pho	L2
4361	Yashkulskoye	Pho	L2
4362	Centralnoye	Pho	L2
4363	Troitskoye	Pho	L2
4364	Abou Skhair	Carb	L3
4365	Wangjiachong	Sst	O3
4366	Sirotininsk	Sst	O2
4367	Smolenskoye	Sst	N2
4368	**Chasovoye**	**Gran**	**O2**
4369	**Korolevskoye**	**Gran**	**O2**
4370	Bystroye	Sst	N2
4371	Bashibulak	Sst	M3
4372	Nekrakovskoye	Pho	L2
4373	Vranov	Sst	J2
4374	Srni Potok	Sst	J2
4375	Pavlin	Sst	J2
4376	Xinwu Basin (5 deposits)	Sst	O3
4377	Arnold	Sst	J4
4378	Aride	Sst	J4
4379	Yarkuduk	Sst	M3
4380	Istiklol	Sst	M2
4381	Wuhisan	Sst	N2
4382	Wuhier	Sst	N2
4383	North Tamdinskaya	Bsh	M2
4384	Wuyiyi	Sst	N2
4385	Baxingtu	Sst	P2
4386	Kenze	Sst	M2
4387	Likhmanovske	Mso	K2
4388	YGOK	Mso	K2
4389	Stetchovskaya	Mso	K2
4390	Krasnogvardeiske	Mso	K2
4391	Annovske	Mso	K2
4392	Kirovskii	Mso	K2
4393	Stankovatskaya	Mso	K2
4394	Kurnikoskoye-W	Mso	K2
4395	Stepne	Mso	K2
4396	Novopavdovske	Mso	K2
4397	Manuiylivske	Mso	K2
4398	Steblevskaya	Mso	K2
4399	Podgaitsevskoye	Mso	K2
4400	Andriivske	Mso	K2
4401	Kohanivske	Mso	K2
4402	Rand Proprietary M Tailings	PQPC	K6
4403	Honghaigou	Sst	N2
4404	Tamdikuduk-Tulyantashkaya	Sst	M3
4405	Masimong	PQPC	K6
4406	South Deep Mine (Tailings)	PQPC	K6
4407	Vredefort	PQPC	K6
4408	Gurvanbulak Intermediate Zone	Volc	O2
4409	Plateau West	Sst	F7
4410	Fraserburg 2	Sst	K6
4411	Fraserburg	Sst	K6
4412	Mazarete Extension W (Zona II)	Sst	I2
4413	Pirna	Sst	J2
4414	Tierhoek	Sst	K6
4415	Vermeulenskraal	PQPC	K6
4416	St Helena Tailings	PQPC	K6

WORLD DISTRIBUTION OF POLYMETALLIC FE OXIDE BRECCIA COMPLEX URANIUM DEPOSITS

IAEA International Atomic Energy Agency

SECOND EDITION: 2018

Scale 1: 1:35 000 000

Kilometres 500 0 500 1,000 1,500 2,000 Kilometres

Mercator Projection: Central Meridian 10°

Map production by M.C. Fairclough (IAEA), J.A. Irvine (Australia), L.F. Katona (Australia) and W.L. Slimmon (Canada). World Distribution of Uranium Deposits, International Atomic Energy Agency, Vienna, Austria. Cartographic assistance was supplied by the Geological Survey of South Australia, the Saskatchewan Geological Survey and United States Geological Survey to the IAEA.

Deposit data derived from IAEA UDEPO (http://infcis.iaea.org/UDEPO/About.cshtml) database with assistance from P. Bruneton (France), M. Mihalasky (U.S.A.), M. Cuney (France), M. Aranha (IAEA), O. Pylypenko (IAEA) and K. Poliakovska (IAEA). The map is an updated companion to "World Distribution of Uranium Deposits (UDEPO) with Uranium Deposit Classification, IAEA Tech-Doc-1629" and "World Distribution of Uranium Deposits (UDEPO) 2016 Edition, IAEA Tec-Doc in-preparation". Map data is current to beginning 2017.

Geology was derived from L.B. Chorlton, Generalized Geology of the World, Geological Survey of Canada, Open File 5529, 2007 under Open Government Licence - Canada (http://data.gc.ca/eng/open-government-licence-canada)

Coastlines and drainage were obtained from Natural Earth public domain vector map data (http://www.naturalearthdata.com/about/terms-of-use). Country boundaries are from the United Nations² (http://www.un.org/Depts/Cartographic/english/htmain.htm). The use of particular designations of countries or territories does not imply any judgement by the publisher, the IAEA, as to the legal status of such countries or territories, of their authorities and institutions or of the delimitation of their boundaries. Dotted line represents approximately the Line of Control in Jammu and Kashmir agreed upon by India and Pakistan. The final status of Jammu and Kashmir has not yet been agreed upon by the parties. Final boundary between the Republic of Sudan and the Republic of South Sudan has not yet been determined.

Deposit Type	Deposit Subtype	Deposit Size (tU original or produced+remaining resource) < 1 000	1 001 - 5 000	5 001 - 25 000	25 001 - 100 000	> 100 000
1. Intrusive (Int)	Anatectic					
	Plutonic¹					
2. Granite-related (Gran)	Endogranitic					
	Perigranitic					
3. Polymetallic Fe oxide breccia complex¹ (PBx)						
4. Volcanic-related (Volc)	Stratabound					
	Structure-bound					
	Volcano-sedimentary					
5. Metasomatite (Mso)	Na-metasomatite					
	K-metasomatite					
	Skarn					
6. Metamorphite (Met)	Stratabound					
	Structure-bound					
	Marble-hosted					
7. Proterozoic unconformity (Unc)	Unconformity-contact					
	Basement-hosted					
	Stratiform fracture-controlled					
8. Collapse breccia pipe (CBx)						
9. Sandstone (Sst)	Basal channel					
	Tabular					
	Roll-front					
	Tectonic-lithologic					
	Mafic dykes/sills					
10. Paleo quartz-pebble conglomerate (PQPC)	U-dominant					
	Au-dominant¹					
11. Surficial (Surf)	Peat-bog					
	Fluvial valley					
	Lacustrine-playa					
	Pedogenic and fracture fill					
12. Lignite-coal¹ (LigCo)	Stratiform					
	Fracture controlled					
13. Carbonate (Carb)	Stratabound					
	Cataclastic					
	Paleokarst					
14. Phosphate¹ (Pho)	Organic phosphorite					
	Microchemical phosphorite					
	Continental phosphate					
15. Black shale (BSh)	Stratiform					
	Stockwork					

· Undifferentiated and unverified Uranium occurrence with no known resource estimation
▲ Undifferentiated Thorium deposit and occurrence from IAEA ThDEPO database

The Dep IDs are unique deposit identification numbers corresponding to the IAEA UDEPO database records. A deposit is defined as there is known to be a resource estimation undertaken. If the exact estimation is unknown, an estimated range is generated by IAEA. This is particularly so with unconventional resources¹ from which uranium is present at very low grades and/or only recoverable as a minor by-product using special processing techniques. Resources shown are not current remaining resources, but are the maximum of original geological resource, production figures or remaining resources at the lowest available cut-off grade. They include historic resources, and so may not be compliant with contemporary reporting standards and are not endorsed by IAEA as such. Where available, resource estimations for individual discrete ore zones are shown. Where this is not possible, some aggregation of resources are necessary. No economic or financial inferences with respect to recoverability of uranium are intended. The list of deposits is not exhaustive or current. There are 2831 deposits shown on the face of the map, but only those 102 greater than 100 000tU, or currently producing uranium, are named. Other deposits greater than 2500tU (863 deposits) are numbered, and along with larger or producing deposits, are listed below the map face. All other deposits (1866) 2500tU or less are only shown as symbols with no annotation but can be queried as described in https://helpx.adobe.com/acrobat/using/geospatial-pdfs.html.

Map Legend

- Populated place
- Railroad
- Road
- Country boundary²
- Fault trace

Lithology

- Metamorphic rocks
- Intrusive rocks
- Sedimentary and volcanic rocks
- Sedimentary rocks
- Tectonized rocks
- Volcanic and intrusive rocks
- Volcanic rocks

Era

- Holocene and Recent ice cap
- Cenozoic
- Mesozoic
- Paleozoic
- Neoproterozoic
- Mesoproterozoic
- Paleoproterozoic
- Proterozoic (undifferentiated)
- Archean and Proterozoic

Dep ID	Dep Name	Dep Type	Grid
0001	Abankor	Met	J3
0004	Timgaouine	Gran	J3
0005	Tinef	Met	J3
0006	Cerro Solo	Sst	F7
0011	Rodolfo	Sst	F6
0014	Angela	Sst	P6
0017	Ben Lomond	Volc	Q5
0018	Bennetts Well	Sst	O6
0019	Beverley	Sst	P6
0020	Bigrlyi	Sst	P6
0022	Centipede	Surf	P6
0029	Goulds Dam	Sst	P6
0032	Honeymoon	Sst	Q6
0033	Huarabagoo	Sst	P5
0034	Jabiluka 1	Unc	P5
0035	Junnagunna	Sst	P5
0036	Kintyre	Unc	P6
0037	Koongarra 1	Unc	P5
0038	Lake Maitland	Surf	P6
0041	Lake Way	Surf	P6
0043	Manyingee	Sst	O6
0044	Mary Kathleen	Mso	Q6
0047	**Mount Gee**	**PBx**	**P6**
0050	Nabarlek	Unc	P5
0051	Napperby	Surf	P6
0052	Nowthana	Surf	O6
0053	**Olympic Dam**	**PBx**	**P6**
0059	Ranger 68	Unc	P5
0060	Redtree	Sst	P5
0062	Skal	Mso	P6
0064	Thatcher Soak West	Surf	P6
0068	Valhalla	Mso	P6
0070	Warrior	Sst	P6
0073	Yeelirrie	Surf	O6
0075	Amorinopolis	Sst	G5
0077	Espinharas	Mso	H5
0078	Figueira	Sst	G6
0079	Gandarela	PQPC	G6
0080	Itataia-Santa Quiteria District	Met	H5
0082	Pocos De Caldas - Cercado	Int	G6
0083	Serra Das Gaivotas	PQPC	G6
0089	Eleshnitza District	Sst	K2
0104	Simitli	Sst	K2
0109	Agnew Lake	PQPC	E2
0112	Blizzard	Sst	D2
0113	Cigar Lake	Unc	D2
0116	Collins Bay A	Unc	D2
0117	Cluff Lake D	Unc	D2
0118	Dawn Lake	Unc	D2
0119	Denison Mine	PQPC	E2
0122	Eagle Point	Unc	D2
0124	Gunnar	Mso	D2
0126	Deilmann	Unc	D2
0127	Kiggavik Main	Unc	E1
0130	Madawaska	Int	F2
0132	Mcarthur River	Unc	D2
0133	Mcclean Lake Pods	Unc	D2
0134	Michelin	Mso	G2
0135	Midwest	Unc	D2
0136	Nordic	PQPC	E2
0137	Lacnor	PQPC	E2
0138	Panel Mine	PQPC	E2
0139	Spanish American	PQPC	E2
0141	Quirke	PQPC	E2
0142	Milliken	PQPC	E2
0143	Rabbit Lake	Unc	D2
0144	Raven	Unc	D2
0147	Stanleigh	PQPC	E2
0155	Kitongo	Mso	J4
0157	Beimianshi	Volc	O3
0160	Chanziping	Bsh	O3
0170	Lianshanguan-Benxi Mine	Mso	P2
0172	Nuheting	Sst	O2
0175	Chengzishan (381)	Sst	N3
0179	Xiazhuang District (16 deposits)	Gran	O3
0180	Xiangshan District (11 deposits)	Volc	O3
0181	Brevniste	Sst	J2
0184	Hamr North (Hamr I)	Sst	J2
0185	Horni Slavkov District (10 deposits)	Gran	J2
0186	Hvezdov	Sst	J2
0187	Jachymov District (12 mines)	Gran	J2
0189	Kralupy	Sst	J2
0193	Olsi-Dranonin	Met	J2
0194	Osecna-Kotel	Sst	J2
0196	Rozna	Met	J2
0197	Straz	Sst	J2
0198	Vitkov II	Gran	J2
0200	Zadni Chodov	Gran	J2
0201	Kvanefjeld	Int	G1
0210	Bellezane	Gran	J2
0213	Coutras	Sst	J2
0220	Commanderie (La)	Gran	I2
0221	Bernardan (Le)	Gran	J2
0223	Chardon (Le)	Gran	I2
0225	Bois Noirs (Les)	Gran	J2
0231	Mas Lavayre	Sst	J2
0232	Margnac-Peny	Gran	J2
0239	Bagombé	Sst	J5
0242	Mounana	Sst	J5
0244	Oklo	Sst	J5
0247	Culmitzsch	Sst	J2
0248	Freital-Gittersee	LigCo	J2
0250	Johanngeorgenstadt	Gran	J2
0251	Koenigstein	Sst	J2
0255	Niederschlema-Alberoda ore field	Gran	J2
0257	Tellerhäuser	Gran	J2
0259	Zobes	Gran	J2
0261	Bhatin	Met	N3
0262	Domiasiat (KPN)	Sst	N3
0263	Jaduguda	Met	N3
0266	Narwapahar	Met	N3
0268	Rohil	Mso	M3
0269	Tummalapalle - Rachakuntapalle	Carb	M4
0270	Turamdih	Met	N3
0272	Wahkyn	Sst	N3
0273	Peddagattu	Unc	M4
0274	Remaja-Hitam	Met	O5
0277	Al Abiad-Al Wady	Pho	K3
0278	Al Hassa - Al Qatrana	Pho	K3
0279	Al Shedeye - Eshidia	Pho	K3
0280	Ruseifa	Pho	K3
0282	Tono District (4 Deposits)	Sst	P3
0283	Agashskoye	Met	M2
0285	Assarchik	Sst	M2
0286	Balkashinskoye	Volc	M2
0289	Botaburum	Volc	M2
0290	Budennovskoye 1, 3 & 4	Sst	M2
0291	Burlukskoye	Met	M2
0292	Chaglinskoye	Met	M2
0294	Daba	Volc	M2
0297	Dzhusandalynskoye	Gran	M2
0298	Dzhidely	Volc	M2
0299	Fevralskoye	Met	M2
0300	Glubinnoye	Met	M2
0301	Grachevskoye	Met	M2
0303	Inkai 1, 2 & 3	Sst	M2
0304	Irkol	Sst	M2
0305	Ishimskoye	Met	M2
0306	Kamyshevoye	Met	M2
0307	Kanzhugan	Sst	M2
0308	Karakoyn	Sst	M2
0309	Karamurun North	Sst	M2
0310	Karamurun South	Sst	M2
0311	Karyntarynskoye	Pho	L2
0313	Kharasan 1-North	Sst	M2
0315	Koldzhat	LigCo	N2
0321	Kyzylsay District (8 deposits)	Volc	M2
0323	Kyzyltu	Sst	M2
0326	Manybaiskoye	Volc	M2
0327	Melovoye	Pho	L2
0328	Moynkum Central	Sst	M2
0329	Mynkuduk East	Sst	M2
0330	Nizhneylyiskoye	LigCo	M2
0333	Semizbai	Sst	M2
0335	Shokhpak	Met	M2
0336	Sholak-Espe	Sst	M2
0338	Slavyanskoye	Met	M2
0339	Suluchekinskoye	Sst	M2
0342	Tasmurunskoye	Pho	L2
0344	Taybagarskoye	Pho	L2
0345	Tomakskoye	Pho	L2
0347	Uvanas	Sst	M2
0348	Victorovskoye	Met	M2
0349	Vostok	Met	M2
0352	Zarechnoye	Sst	M2
0353	Zaozernoye	Met	M2
0354	Zhalpak	Sst	M2
0355	Zhautkan	Sst	M2
0356	Zvyozdnoe	Met	M2
0357	Maylisay	Carb	M2
0358	Mailuu-Suu	Carb	M2
0360	Turakavak	LigCo	M2
0367	La Sierrita	Sst	E3
0371	Santo Domingo	Pho	D3
0372	Kayelekera	Sst	K5
0373	Dornod District (12 deposits)	Volc	O2
0374	Gurvanbulak Central Zone	Volc	O2
0375	Kharaat	Sst	O2
0379	Gantour Basin	Pho	I3
0380	Oulad Abdoun Basin	Pho	I3
0381	Meskala Basin	Pho	I3
0382	Oued Eddahab Basin	Pho	I3
0387	Klein Trekkopje	Surf	J6
0388	Langer Heinrich	Surf	J6
0390	Rossing	Int	J6
0391	Tumas	Surf	J6
0392	Valencia	Int	J6
0394	Ebba Nord	Sst	J4
0395	Ebba Sud	Sst	J4
0396	Akola	Sst	J4
0397	Akouta Nord	Sst	J4
0398	Akouta Sud	Sst	J4
0399	Ariege	Sst	J4
0401	Arlette	Sst	J4
0403	Artois	Sst	J4
0404	Abakorum	Sst	J4
0405	Imouraren	Sst	J4
0407	Tamou	Sst	J4
0408	Taza Nord	Sst	J4
0420	Rajsk	Bsh	K2
0428	Nisa	Gran	I3
0432	Urgeirica	Gran	I2
0435	Shinkolobwe-Kasolo	Met	K5
0439	Baita Bihor	Sst	K2
0445	Crucea	Met	K2
0447	Dobrei South	Sst	K2
0456	Tulghes-Grinties	Met	K2
0460	Antei	Volc	O2
0461	Argunskoye	Volc	O2
0463	Badyelskoye	LigCo	L1
0466	Belskoje	LigCo	K2
0468	Beryozovoye	Gran	O2
0469	Beshtaugorskoye	Volc	L2
0472	Briketno-Zheltuhinskoye	LigCo	K2
0474	Buyanovskoye	Sst	O2
0477	Bytuguchag	Gran	Q1
0479	Chaplinskoye	LigCo	S1
0482	Crystalnoye	Gran	O2
0483	Dalneye	Volc	O2
0484	Dobrovolnoye	Sst	M2
0485	Dolmatovskoye	Sst	M2
0486	Druzhnoye	Mso	P2
0487	Dybryn	Sst	O2
0492	Gornoye	Gran	O2
0493	Imskoye	Sst	O2
0494	Interesnoye	Mso	P2
0497	Karhu	Unc	K1
0500	Kedrovoye	Sst	N1
0503	Khiagdinskoye	Sst	O2
0504	Khokhlovskoye	Sst	M2
0505	Kolichikan	Sst	O2
0507	Koretkondinskoye	Sst	O2
0508	Kosmozero	Mso	K1
0513	Lastochka	Volc	P2
0515	Luchistoye	Volc	O2
0516	Malinovskoye	Sst	N2
0517	Malo-Tulukuevskoye	Volc	O2
0518	Martovskoye	Volc	O2
0520	Meridionalnoye	Sst	O2
0522	Namaru	Sst	O2
0524	Novogodneye	Volc	O2
0526	Oktyabrskoye	Volc	O2
0527	Olovskoye	Volc	O2
0528	Osenneye	Met	K1
0530	Prigorodnoye	Sst	N2
0531	Primorskoye	Sst	N2
0533	Pyatilentneye	Volc	O2
0534	Rodionovskoye	Surf	O2
0537	Repyevskoye	Carb	L2
0538	Rjabinovoye	Volc	N2
0539	Sanarskoye	Surf	M2
0544	Shirondukuevskoye	Volc	O2
0550	Srednaya Padma	Mso	K1
0551	Stepnovskoye	Pho	L2
0553	Stepnoye	Sst	O2
0555	Streltsovskoye	Volc	O2
0559	Tetrakhskoye	Sst	O2
0562	Tsarevskoye	Mso	K1
0564	Tulukuevskoye	Volc	O2
0566	Ust-Uyukskoye	Sst	N2
0568	Vershinnoye	Sst	O2
0573	Vitlandskoye	Surf	O2
0576	Yubileinoye	Volc	O2
0578	Yugo-Zapadnoye	Volc	O2
0580	Zheglovskoye	Sst	O2
0581	Zherlovoye	Volc	O2
0583	Zjulzinskoye	Sst	O2
0585	Blyvooruitzicht Tailings	PQPC	K6
0586	Buffelsfontein	PQPC	K6
0587	Chemwes-Stilfontein	PQPC	K6
0588	Driefontein Mine	PQPC	K6
0589	Free State Geduld	PQPC	K6
0590	Harmony	PQPC	K6
0591	Hartebeestfontein	PQPC	K6
0592	Loraine	PQPC	K6
0593	Phalabora	Int	K6
0594	President Brand Mine	PQPC	K6
0595	President Steyn	PQPC	K6
0597	Oryx Mine (Beatrix West Section)	PQPC	K6
0599	Western Rand Tailings	PQPC	K6
0600	Western Areas Mine	PQPC	K6
0601	Western Deep Levels Mine	PQPC	K6
0602	Western Holdings	PQPC	K6
0603	Alio Ghelle	Mso	L4
0604	Dusa Mareb-El Bur District	Surf	L4
0606	Zirovski Vrh	Sst	J2
0616	Mina Fe	Gran	I2
0618	Retortillo	Gran	I2
0622	Ranstad	Bsh	J2
0625	Bailik	Bsh	L2
0626	Sernoye	Sst	L2
0632	Yozgat-Sorgun	Sst	K3
0633	Adamivske	LigCo	K2
0638	Kalynivske	Int	K2
0642	Michurinske	Mso	K2
0646	Pershotravneve	Mso	K2
0648	Safonivske	Sst	K2
0649	Severinivske	Mso	K2
0651	Vatutinske	Mso	K2
0652	Yuzhnoye	Int	K2
0653	Zhovtorichenske	Mso	K2
0655	Alta Mesa	Sst	E3
0656	Alta Verde	Sst	E3
0657	Ambrosia Lake District (Dysart)	Sst	D3
0658	Anderson Mine	Volc	D3
0660	Bear Creek Mines	Sst	D2
0662	Bernabe-Montano District	Sst	D3
0663	Big Buck / Velvet	Sst	D3
0664	Big Eagle Phase2/Green Mountain	Sst	D2
0666	Marsland Big Red	Sst	D3
0670	Borrego Pass	Sst	D3
0675	Butler-Weddington	Sst	E3
0680	Central Florida District	Pho	E3
0683	Christensen Ranch	Sst	D2
0684	Churchrock - Section 4	Sst	D3
0686	Clay West	Sst	E3
0688	Copper Mountain	Gran	D2
0689	Crooks Gap District	Sst	D2
0690	Crow Butte	Sst	D2
0691	Crownpoint	Sst	D3
0694	Dewey-Burdock	Sst	D2
0695	East Florida District	Pho	E3
0696	East Gas Hills	Sst	D2
0699	Fernandez Main Ranch	Sst	D3
0701	Jackpot Mine	Sst	D2
0704	Hansen	Sst	D3
0710	Highland	Sst	D2
0711	Holiday-El Mesquite	Sst	E3
0713	Irigaray	Sst	D2
0716	Jackpile - Paguate	Sst	D3
0722	Kingsville Dome	Sst	E3
0723	L-Bar Ranch	Sst	D3
0724	La Jara Mesa	Sst	D3
0728	Lee	Sst	D3
0729	Deremo Mine	Sst	D3
0732	Long Park	Sst	D3
0735	Lucky Mc Mine	Sst	D2
0737	Mancos-Sections 7-12	Sst	D3
0738	Mariano Lake	Sst	D3
0743	Mi Vida	Sst	D3
0744	Midnite	Gran	D2
0745	Monogram Mesa	Sst	D3
0751	Mount. Taylor Mine	Sst	D3
0752	Narrow Canyon	Sst	D3
0756	North Butte / Brown Ranch	Sst	D2
0757	North Florida District	Pho	E3
0758	Northeast Florida District	Pho	E3
0763	Pandora	Sst	D3
0764	Panna Maria	Sst	E3
0767	Petrotomics / Dave	Sst	D2
0771	Pitch Mine	Met	D3
0775	West Reno Creek	Sst	D2
0776	Rhode Ranch District	Sst	E3
0777	Rio Puerco	Sst	D3
0781	Ruby	Sst	D3
0785	Saint Anthony/M-6	Sst	D3
0789	Schwartzwalder Mine	Met	D3
0792	Sherwood Mine	Sst	D2
0794	Shirley Basin Mine	Sst	D2
0796	Slick Rock District	Sst	D3
0797	Smith Ranch	Sst	D2
0798	South Florida District	Pho	E3
0799	South Morton Ranch	Sst	D2
0802	Sweetwater Mine	Sst	D2
0803	Taylor Ranch	Sst	D3
0805	Tony M	Sst	D3
0809	Atkinson Mesa District	Sst	D3
0810	Vanadium	Sst	D3
0812	West Gas Hills	Sst	D2
0813	West Largo	Sst	D3
0814	Whiskey Peak / Green Mountain	Sst	D2
0815	Agron	Sst	M3
0816	Aktau	Sst	M2
0817	Alatanga	Volc	M2
0818	Alendy	Sst	M2
0820	Aulbek	Sst	M2
0823	Beshkak	Sst	M2
0824	Bukinay North	Sst	M2
0826	Chauli	Volc	M2
0827	Dzhantuar	Bsh	M2
0828	Kenimekh	Sst	M2
0830	Kendyktjube	Sst	M2
0831	Ketmenchi	Sst	M3
0833	Lyavlyakan	Sst	M2
0835	Meylysai	Sst	M2
0836	Nagornoye	Sst	M3
0837	Rudnoye	Bsh	M2
0838	Sabyrsay	Sst	M3
0839	Severny Kanimekh	Sst	M2
0841	Shark	Sst	M3
0842	Sugraly	Sst	M2
0845	Tutlyinskaya	Sst	M3
0846	Uchkuduk	Sst	M2
0847	Ulus	Sst	M3
0849	Yuzhny Bukinai	Sst	M2
0851	Khe Hoa-Khe Cao	Sst	O4
0890	Tabelle	Sst	J4
0891	Taza Sud	Sst	J4
0892	Takriza	Sst	J4
0893	Tamgak	Sst	J4
0895	Marianne - Maryline	Sst	J4
0929	Church Rock - Section 8 and 17	Sst	D3
0930	Peach	Sst	D2
0932	Reynolds Ranch	Sst	D2
0942	Tortkuduk	Sst	M2
0947	Oobagooma-Yampi	Sst	P5
0948	91 Ranger 1 N°1	Unc	P5
0951	Jabiluka 2	Unc	P5
0952	Ranger 1 N°3	Unc	P5
0953	Oberschlema	Gran	J2
0955	Val Vedello	Volc	J2
0977	**Prominent Hill**	**PBx**	**P6**
0979	Nolans Bore	Int	P6
0981	Ace-Fay-Verna	Met	D2
0982	Andrew Lake	Unc	E1
0985	End Grid	Unc	E1
0988	Horseshoe	Unc	D2
0990	Millennium	Unc	D2
0992	P Patch Zone	Unc	D2
0994	Shea Creek-Anne	Unc	D2
0995	Shea Creek-Colette	Unc	D2
0996	Shea Creek-Kianna	Unc	D2
0998	Cluff Lake Dominique-Peter	Unc	D2
0999	Cluff Lake Dominique-Jeanine	Unc	D2
1000	Collins Bay B	Unc	D2
1003	Kiggavik Centre	Unc	E1
1006	Sue C	Unc	D2
1008	Sue E	Unc	D2
1010	Eldorado (Port Radium)	Met	D1
1012	Bagjata	Met	N3
1013	Banduhurang - Turamdih South	Met	N3
1030	Gogi	Gran	M4
1031	Chitrial	Unc	M4
1042	BJ Lake	Unc	D2
1051	Centennial	Unc	D2
1053	Charlebois Lake	Int	D2
1059	Dieter Lake	Bsh	F2
1075	Jacques Lake	Mso	G2
1077	Drope Lake - La Ronge	Int	D2
1078	Lac Cinquante	Met	E1
1082	Midwest A	Unc	D2
1083	Matoush	Sst	F2
1086	Roughrider	Unc	D2
1091	Mountain Lake	Sst	D1
1099	P2 Main	Unc	D2
1100	Paul Bay	Unc	D2
1110	Tamarack	Unc	D2
1120	Shihongtan	Sst	N2
1121	Zhaohuohao (396)	Sst	O3
1138	Allied Zones	Int	F2
1139	Apple	PQPC	F2
1143	Can-Met	PQPC	E2
1145	Eco Ridge Mine	PQPC	E2
1150	L	Sst	F2
1156	Stanrock	PQPC	E2
1162	Veznice	Met	J2
1165	Luena Basin	LigCo	K5
1166	Musonoi Extension	Met	K5
1168	Siwaqa	Surf	K3
1169	Akdala	Sst	M2
1176	Falea	Sst	I4
1178	Khairkhan	Sst	O2
1179	Ulaan Nuur	Sst	O2
1180	Aussinanis	Surf	J6
1181	Anomaly A (Etango)	Int	J6
1184	Marenica	Surf	J6
1185	Trekkopje	Surf	J6
1187	Arcadie	Sst	J4
1191	Nord Somair	Sst	J4
1192	Taossa	Sst	J4
1193	Teguidda (Ir, G, T)	Sst	J4
1195	Yuti	Sst	G6
1196	Corachapi	Volc	F5
1198	Kemchug	Volc	N2
1200	Ghurayyah	Int	K3
1203	Kuriskova	Volc	K2
1204	Novoveska Huta	Volc	K2
1209	Denny Dalton	PQPC	K6
1210	Dominion Reefs	PQPC	K6
1211	Ezulwini	PQPC	K6
1212	Rietkuil	PQPC	K6
1213	Ryst Kuil	Sst	K6
1214	Springbok Flats	LigCo	K6
1215	Gambuta	Gran	I3
1218	Duobblon	Volc	J1
1225	Tasjo District	Pho	J1
1231	Dibwe	Sst	K5
1235	Mutanga Main	Sst	K5
1237	Njame	Sst	K5
1238	Severnoye	Mso	P2
1239	Tsentralne	Mso	K2
1240	Novokostyantynivske	Mso	K2
1241	Pidhajtsivske	Mso	K2
1247	Abeta	PQPC	E2
1248	Banana Lake	PQPC	E2
1253	Gaertner	Unc	D2
1254	Millaqua	PQPC	E2
1255	Silvermaque	PQPC	E2
1258	Serule Nw	Sst	K6
1267	Firawa	Met	I4
1268	Kanyika	Int	K5
1269	Garnet Valley	Int	J6
1270	Namib Park	Surf	J6
1272	Oryx (Tumas 3)	Surf	J6
1277	Beisa North	PQPC	K6
1279	Cooke / Old Randfontein Tailings	PQPC	K6
1280	East Rand Consolidated Tailing	PQPC	K6
1284	Potchefstroom Goldfield	PQPC	K6
1285	Southern Free State (4 deposits)	PQPC	K6
1286	Vaal River Tailings	PQPC	K6
1290	Nyota	Sst	K5
1298	North Shore Double S Zone	Int	F2
1299	North Shore Middle Zone	Int	F2
1300	North Shore Tj Zone	Int	F2
1303	Chuquicamata	Int	F6
1307	Oshively	Int	J6
1311	MMS Vicken	Bsh	J1
1313	Sw Reno Creek	Sst	D2
1316	Four Mile East	Sst	P6
1317	Dawson-Hinkler	Surf	P6
1319	Windimurra	Surf	O6
1327	Blackbush	Sst	P6
1329	**E1 North & South**	**PBx**	**Q6**
1330	Four Mile West	Sst	P6
1331	Hillview	Surf	O6
1339	Araxa	Int	G5
1342	Olinda	Pho	H5
1343	Pitinga	Int	F5
1347	Amer Lake- Main Zone	Sst	E1
1351	Moran Lake C Zone	Met	F2
1358	Phoenix	Unc	D2
1359	Pama	Pho	K4
1360	Pato	Pho	K4
1361	Patricia	Pho	K4
1367	Sierra Gorda	Int	F6
1368	Chengxian Mine	Bsh	O3
1370	Lantian Mine	Gran	O3
1374	Saima	Int	P2
1377	Berlin	Sst	F4
1378	Brzkov	Met	J2
1383	Pecs	Sst	J2
1390	Tyuya-Muyum	Carb	M2
1395	San Juan De La Costa	Pho	D3
1397	Turgen District	Volc	O2
1398	Ugtam	Volc	O2
1400	Inca	Mso	J6
1401	Imca 25	Sst	J4
1402	Irhawenzegirhan	Sst	J4
1406	Isakanan	Sst	J4
1408	Taunsa	Sst	M3
1409	Colibri 2 & 3	Volc	F5
1413	Abu Tartur	Pho	K3
1414	Akashat	Pho	K3
1415	Elkon	Mso	P2
1416	Elkonskoe Plateau	Mso	P2
1417	Kurung	Mso	P2
1419	Kopanang Mine	PQPC	K6
1421	Sageras-Zona M	Gran	I2
1424	Palmira District	Pho	K3
1429	Antelope	Sst	D2
1431	Aurora	Volc	D2
1432	Bingham Canyon	Int	D2
1433	Black Jack 1 & 2	Sst	D3
1443	Coles Hill North	Mso	F3
1444	Coles Hills South	Mso	F3
1461	Hank Unit	Sst	D2
1462	Hosta Butte	Sst	D3
1465	Juan Tafoya	Sst	D3
1467	Kings Valley	Volc	D2
1468	Los Quatros	Volc	D3
1469	Lost Creek	Sst	D2
1470	Lost Soldier	Sst	D2
1471	Marquez	Sst	D3
1479	Section 22 (New Mexico)	Sst	D3
1480	Section 23 (New Mexico)	Sst	D3
1481	Section 24 (New Mexico)	Sst	D3
1485	Section 30 (New Mexico)	Sst	D3
1489	Sheep Mountain	Sst	D2
1494	Velvet-Wood Mines	Sst	D3
1495	Virgin Valley	Volc	D2
1503	Tabhing Area	Sst	O4
1505	Malundwe	Met	K5
1508	Double 8	Sst	P6
1515	Lujing District (5 deposits)	Gran	O3
1517	Qianjiadian (2 deposits)	Sst	P2
1520	Serres Basin	LigCo	K2
1521	Inkai South-4	Sst	M2
1525	Onkelo	Int	J6
1526	Bayovar	Pho	E5
1527	Neprokhodimoye	Mso	P2
1532	Goliad	Sst	E3
1534	Hack Canyon 2	CBx	D3
1542	Budennovskoye 2	Sst	M2
1543	Ambassador	LigCo	P6
1544	Emperor	LigCo	P6
1546	Gorgon Main	Sst	K6
1547	Kraken	Sst	K6
1548	Husab - Zone 1	Int	J6
1549	Husab - Zone 2	Int	J6
1550	Shanawah	Sst	M3
1554	Negev Desert District	Pho	K3
1562	Beatrix	PQPC	K6
1563	Kloof Tailings	PQPC	K6
1564	South Deep Mine (Underground)	PQPC	K6
1565	Cooke 1, 2 & 3/Old Randfontein	PQPC	K6
1568	Barber	Sst	D2
1569	Boyer	Sst	D3
1571	Coyote Basin	LigCo	D2
1575	Noah	Sst	D3
1576	North West Taylor	Sst	D3
1579	Ross	Sst	D2
1582	Roca Honda Mine	Sst	D3
1583	Attarat-Wadi Maghar	Pho	K3
1585	Gachin	Surf	L3
1590	Toongi	Int	Q6
1591	Beerwalde-Korbussen	Bsh	J2
1592	Bernsbach	Gran	J2
1596	Crimmitschauer Fault Zone	Bsh	J2
1597	Drosen	Bsh	J2
1601	Gera Sud	Sst	J2
1604	Kyhna - Schenkenberg	Volc	J2
1605	Lichtenberg	Bsh	J2
1607	Paitzdorf	Bsh	J2
1609	Prehna	Bsh	J2
1611	Schmirchau - Reust	Bsh	J2
1619	Zeitz - Baldenhain	Bsh	J2
1620	Kaynar	Sst	M2
1622	Kharasan 2-South	Sst	M2
1623	Moynkum South	Sst	M2
1624	Mynkuduk Central	Sst	M2
1625	Mynkuduk West	Sst	M2
1626	Chubu	Bsh	P3
1628	Gumsan	Bsh	P3
1632	Yokwang	Bsh	P3
1636	Takardeit	Sst	J4
1637	Tin Negouran	Sst	J4
1641	Zona Pologaya	Mso	P2
1652	Cappers	Surf	P6
1653	Archontovounis	Gran	K2
1656	Alameda	Gran	I2
1659	Haggan	Bsh	J1
1662	Husab - Zone 3	Int	J6
1664	Husab - Zone 4	Int	J6
1665	Great Nolingwa Mine	PQPC	K6
1666	Moab Khotsong	PQPC	K6
1667	Mponeng	PQPC	K6
1671	Majuelos	Gran	I2
1675	Tubas Red Sand	Surf	J6
1694	Carley Bore	Sst	O6
1695	Odin	Mso	P6
1696	Gorgon West	Sst	K6
1697	Gorgon South	Sst	K6
1699	Catalao	Int	G5
1700	Drucourt Zone	Int	F2
1702	J Zone	Unc	D2
1703	Kolmisoppi	Bsh	K1
1704	Kuusilampi	Bsh	K1
1708	Khan Azzabib	Surf	K3
1709	Sadyrnynskoye	Pho	L2
1710	Hyena	Int	J6
1711	Ondjamba	Int	J6
1712	Miriam	Sst	J4
1713	Isivilla	Volc	F5
1715	Tantamaco	Volc	F5
1717	Jabal Sayid	Int	L3
1725	Phosphoria Formation	Pho	D2
1742	MML-E	Sst	J2
1743	Tuyuk-Suu	LigCo	M2
1755	**Carrapateena**	**PBx**	**P6**
1757	Pepegoona	Sst	P6
1759	San Hilario	Pho	D3
1761	Tembabiche	Pho	D3
1762	UF1	Pho	D3
1763	Gilbat Lafhouda	Int	I3
1764	Twihinate	Int	I3
1765	De Bron	PQPC	K6
1767	Riet Kuil	Sst	K6
1768	Guanaco	Surf	F7
1770	Plumbush	Sst	P6
1772	Serule W	Sst	K6
1774	Radomiro Tomic	Int	F6
1775	A 238	Mso	I3
1776	Ain Sder C1-CJ-CR	Surf	I3
1777	Oued El Foule East	Surf	I3
1778	Oum Ferkik L-K	Surf	I3
1780	Ongolo	Int	J6
1781	Husab - Zone 5	Int	J6
1782	Al Jalamid	Pho	L3
1783	East Ebro Valley (5 deposits)	LigCo	I2
1784	Temrezli	Sst	K3
1791	Bikini	Mso	P6
1793	Millipede	Surf	P6
1796	Rio Cristalino	Sst	G5
1797	Pecors East	PQPC	E2
1798	MA 7	Int	J6
1799	Namibplass	Int	J6
1803	Dulaan Uul	Sst	O2
1805	Lubin-Sieroszowice	Bsh	J2
1810	Congo Pit	Sst	D2
1819	Todilto District	Carb	D3
1821	**Igarape Bahia**	**PBx**	**G5**
1822	**Salobo**	**PBx**	**G5**
1823	**Sossego**	**PBx**	**G5**
1824	J4/Ray	Met	E1
1826	Zoovch Ovoo	Sst	O2
1829	Ranger Deeps	Unc	P5
1830	Illimaussaq Zone 3	Int	G1
1831	Gabbal Guttar	Gran	K3
1836	Manyoni District-Zone C 1	Surf	K5
1844	Theseus	Sst	P6
1846	Frazer Lake-Zone B	Int	D2
1849	Guyuan	Volc	O3
1850	Hechaokeng	Gran	O2
1851	Kujiertai	Sst	N2
1854	Pannikan	Sst	P6
1855	Pepegoona West	Sst	P6
1856	Buckton Zone	Bsh	D2
1858	Taoshan	Gran	O3
1859	La Banane	Sst	J4
1864	Msne	Sst	J4
1866	Oak Dam	Sst	P6
1868	Maoyangtuo (570)	Met	O3
1869	Wukuerqi	Sst	N2
1872	Plouznice	Sst	J2
1874	Sorensen	Int	G1
1878	Dwaima	Pho	K3
1879	Ethna	Pho	J3
1880	Hirri	Pho	L3
1881	H 3	Pho	K3
1882	Marbat	Pho	L3
1883	Swab	Pho	K3
1885	Ulzitt	Sst	O2
1886	Dajy	Sst	J4
1887	Dasa 1, 2 & 3	Sst	J4
1893	Marby	Bsh	J1
1894	Minjingu	Pho	K5
1911	Kendrick	Sst	D2
1913	Lisbon Mine	Sst	D3
1922	North Reno Creek	Sst	D2
1923	Nose Rock	Sst	D3
1936	Twin Butte	Int	D3
1938	White Canyon District	Sst	D3
1939	Yerington	Int	D3
1941	Buckton South	Bsh	D2
1942	Canuc Zone	PQPC	E2
1943	**Milo**	**PBx**	**Q6**
1945	Gemico Block 3	PQPC	E2
1946	Gemico Block 10	PQPC	E2
1947	Triple R	Unc	D2
1948	Teasdale Lake Zone	PQPC	E2
1949	Bayinwula	Sst	O2
1951	Shashagetai	Sst	O3
1952	Sunjialiang	Sst	O3
1955	Z 20	Int	J6
1956	Armelle	Sst	J4
1957	Tamani	Sst	J4
1958	Tamgak Deep	Sst	J4
1959	Taverse	Sst	J4
1960	Bloemhoek	PQPC	K6
1961	Cooke 4 (Gauteng)	PQPC	K6
1967	Chattanooga Shale Formation	Bsh	E3
1969	Dibwe East	Sst	K5
1971	Northern Great Plains	LigCo	D2
1972	Happy Valley 2-15	Int	J6
1973	Happy Valley 18	Int	J6
1978	West Rand Tailings (Wrtrp)	PQPC	K6
1979	West Witts Tailings (13 Tailings)	PQPC	K6
1980	Narke	Bsh	J2
1988	Palua	Sst	O4
1989	Parong	Sst	O4
1990	Tebessa District	Pho	J3
1991	Fosse-Pamela	Pho	K4
1992	El Sebaeya East	Pho	K3
1993	Red Sea District	Pho	K3
1994	Chatham Rise	Pho	R7
1995	Gafsa-Metlaoui District	Pho	J3
1996	Binh Duong	Pho	O3
1998	Nong Son	LigCo	O4
2000	Monument Valley District	Sst	D3
2002	Fab Trend	Sst	D2
2007	Billeroo	Sst	P6
2008	Brooks Dam	Sst	Q6
2009	Four Mile North-East	Sst	P6
2029	Arrow	Unc	D2
2032	Gryphon	Unc	D2
2034	Mann Lake	Unc	D2
2040	Léré	Mso	J4
2041	Motzfeldt	Int	G1
2047	La Terraza	Volc	F6
2053	Terraza North	Volc	F6
2054	Tigre I	Volc	F6
2845	Stilfontein	PQPC	K6
4176	Treviels	Sst	J2
4192	Baltoscandia District	Bsh	K2
4196	Kok Moinok	Gran	M2
4198	Aghracha	Surf	I3
4199	Drag-Al Farnane	Int	I3
4202	Tarfaya Basin	Bsh	I3
4203	Timahdit Basin	Bsh	I3
4204	Welwitschia Flats	Surf	J6
4210	Chilcuno Chico	Volc	F5
4212	Quebrada Blanca	Volc	F5
4221	Al Khabra	Pho	K3
4222	Umm Wu'Al	Pho	K3
4223	Blyvooruitzicht Mine	PQPC	K6
4224	Daggafontein Mine	PQPC	K6
4226	Doornfontein	PQPC	K6
4228	Driefontein Tailings	PQPC	K6
4236	Ergo	PQPC	K6
4238	Freddies	PQPC	K6
4241	Luipaardsvlei	PQPC	K6
4243	Vaal Reefs Mine	PQPC	K6
4244	Virginia	PQPC	K6
4250	West Rand Consolidated Mine	PQPC	K6
4258	Cliffside Mine	CBx	D3
4261	Round Top	Int	D3
4265	Pilanesberg - Ledig Zone	Int	K6
4266	Krasnoselskoye	Bsh	K2
4267	Kotlovskoye	Bsh	K2
4268	Durban (Roodeport) Deep	PQPC	K6
4269	Kosachinoye	Met	M2
4270	El Sebaeya West	Pho	K3
4271	Mecsec Mine	Sst	J2
4272	Saaiplaas	PQPC	K6
4273	Deelkraal	PQPC	K6
4274	Mabounie	Int	J5
4275	Jeanette	PQPC	K6
4276	Fox Lake	Unc	D2
4277	Bytiz 4, 22-40	Gran	J2
4278	Engenho	Mso	G5
4279	Smaldeel	PQPC	K6
4280	Afrikander	PQPC	K6
4281	Zheltorechenske	Mso	K2
4282	Da Rabicha	Mso	G5
4283	Hamr South (Hamr II)	Sst	J2
4284	Bukinay South	Sst	M2
4285	**Cristalino**	**PBx**	**G5**
4286	**Khamsin**	**PBx**	**P6**
4287	Cachoeira	Mso	G5
4288	Kalbasfontein	PQPC	K6
4289	Litne	Mso	K2
4290	Balkovskoye	Pho	L2
4291	Mengqiguer 2	Sst	N2
4292	Zuurbekom	PQPC	K6
4293	Ebene	Sst	J4
4294	Modesto	Mso	G5
4295	Elandsrand	PQPC	K6
4296	Aquelt Assfaya	Surf	I3
4297	**Ernest Henry**	**PBx**	**Q6**
4298	Hakkies	PQPC	K6
4299	Phoenix	Int	J6
4300	Puissagtaq	Gran	G1
4301	Sutherland 2	Sst	K6
4302	Juzkuduk	Sst	M3
4303	Lesetice	Gran	J2
4304	Rhenosterroek	PQPC	K6
4305	Ergo Tailings	Sst	F7
4306	Middle Dome	Int	J6
4307	Zvezdnoye	Met	M2
4308	Banadungri-Sinidungri	Met	N3
4309	Area 1 East	PQPC	K6
4310	Doornrivier	PQPC	K6
4311	Bofal-Loubboira	Pho	I4
4312	**Alemao**	**PBx**	**G5**
4313	Zhuravlinoye	Volc	O2
4314	Holicky	Sst	J2
4315	Hnativske	Mso	K2
4316	Yurivske	Mso	K2
4317	Partyzanske	Mso	K2
4318	Pivdennonokoplyanske	Mso	K2
4319	Pivnichnokonoplyanske	Mso	K2
4320	Dokuchaevske	Mso	K2
4321	Kvitneve	Mso	K2
4322	Schorsivske	Mso	K2
4323	Lelekivske	Mso	K2
4324	Hannivka	Mso	K2
4325	Lisne	Mso	K2
4326	Kremenchugske	Mso	K2
4327	Jeruzalem	Gran	J2
4328	Melkraals	PQPC	J6
4329	Grootvlei Tailings	PQPC	K6
4330	Baimadong	Carb	O3
4331	Kareeport	Sst	K6
4332	Fochville	PQPC	K6
4333	Krizani	Sst	J2
4334	Boztauskaya	Bsh	M2
4335	Tushinskoye	Met	M2
4336	Mestena Grande	Sst	E3
4337	Haanekuil	Sst	K6
4338	Vermeulenskraal North	PQPC	K6
4339	Moab Extension	PQPC	K6
4340	Sarydjaz	Bsh	M2
4341	Robijn	PQPC	K6
4342	Salem	Int	J6
4343	Elandsfontein	Sst	K6
4344	Tshepong	PQPC	K6
4345	Phakisa	PQPC	K6
4346	Brod	Gran	J2
4347	Weltevreden	PQPC	K6
4348	Pocos De Caldas-Agostino	Int	G6
4349	Graben	Sst	F7
4350	Kyzyl	Volc	M2
4351	Das Quebradas	Mso	G5
4352	Laranjeiras	Mso	G5
4353	Prudovoye	Pho	L2
4354	Buratinskoye South	Pho	L2
4355	Bagaburulskoye NE	Pho	L2
4356	Kharabulukskoye North	Pho	L2
4357	Bagaburulskoye	Pho	L2
4358	Nugrinskoye	Pho	L2
4359	Bogorodskoye	Pho	L2
4360	Shargadykskoye	Pho	L2
4361	Yashkulskoye	Pho	L2
4362	Centralnoye	Pho	L2
4363	Troitskoye	Pho	L2
4364	Abou Skhair	Carb	L3
4365	Wangjiachong	Sst	O3
4366	Sirotininsk	Sst	O2
4367	Smolenskoye	Sst	N2
4368	Chasovoye	Gran	O2
4369	Korolevskoye	Gran	O2
4370	Bystroye	Sst	N2
4371	Bashibulak	Sst	M3
4372	Nekrakovskoye	Pho	L2
4373	Vranov	Sst	J2
4374	Smi Potok	Sst	J2
4375	Pavlin	Sst	J2
4376	Xinwu Basin (5 deposits)	Sst	O3
4377	Arnold	Sst	J4
4378	Aride	Sst	J4
4379	Yarkuduk	Sst	M3
4380	Istiklol	Sst	M2
4381	Wuhisan	Sst	N2
4382	Wuhier	Sst	N2
4383	North Tamdinskaya	Bsh	M2
4384	Wuyiyi	Sst	N2
4385	Baxingtu	Sst	P2
4386	Kenze	Sst	M2
4387	Likhmanovske	Mso	K2
4388	YGOK	Mso	K2
4389	Stetchovskaya	Mso	K2
4390	Krasnogvardeiske	Mso	K2
4391	Annovske	Mso	K2
4392	Kirovskii	Mso	K2
4393	Stankovatskaya	Mso	K2
4394	Kurnikoskoye-W	Mso	K2
4395	Stepne	Mso	K2
4396	Novopavdovske	Mso	K2
4397	Manuiylivske	Mso	K2
4398	Steblevskaya	Mso	K2
4399	Podgaitsevskoye	Mso	K2
4400	Andriivske	Mso	K2
4401	Kohanivske	Mso	K2
4402	Rand Proprietary M Tailings	PQPC	K6
4403	Honghaigou	Sst	N2
4404	Tamdikuduk-Tulyantashkaya	Sst	M3
4405	Masimong	PQPC	K6
4406	South Deep Mine (Tailings)	PQPC	K6
4407	Vredefort	PQPC	K6
4408	Gurvanbulak Intermediate Zone	Volc	O2
4409	Plateau West	Sst	F7
4410	Fraserburg 2	Sst	K6
4411	Fraserburg	Sst	K6
4412	Mazarete Extension W (Zona II)	Sst	I2
4413	Pirna	Sst	J2
4414	Tierhoek	Sst	K6
4415	Vermeulenskraal	PQPC	K6
4416	St Helena Tailings	PQPC	K6

WORLD DISTRIBUTION OF VOLCANIC-RELATED URANIUM DEPOSITS

SECOND EDITION: 2018

IAEA International Atomic Energy Agency

Scale 1: 1:35 000 000

Kilometres 500 0 500 1,000 1,500 2,000 Kilometres

Mercator Projection: Central Meridian 10°

Map production by M.C. Fairclough (IAEA), J.A. Irvine (Australia), L.F. Katona (Australia) and W.L. Slimmon (Canada). World Distribution of Uranium Deposits, International Atomic Energy Agency, Vienna, Austria. Cartographic assistance was supplied by the Geological Survey of South Australia, the Saskatchewan Geological Survey and United States Geological Survey to the IAEA.

Deposit data derived from IAEA UDEPO (http://infcis.iaea.org/UDEPO/About.cshtml) database with assistance from P. Bruneton (France), M. Mihalasky (U.S.A.), M. Cuney (France), M. Aranha (IAEA), O. Pylypenko (IAEA) and K. Poliakovska (IAEA). The map is an updated companion to "World Distribution of Uranium Deposits (UDEPO) with Uranium Deposit Classification, IAEA Tech-Doc-1629" and "World Distribution of Uranium Deposits (UDEPO) 2016 Edition, IAEA Tec-Doc in-preparation". Map data is current to beginning 2017.

Geology was derived from L.B. Chorlton, Generalized Geology of the World, Geological Survey of Canada, Open File 5529, 2007 under Open Government Licence - Canada (http://data.gc.ca/eng/open-government-licence-canada)

Coastlines and drainage were obtained from Natural Earth public domain vector map data (http://www.naturalearthdata.com/about/terms-of-use). Country boundaries are from the United Nations² (http://www.un.org/Depts/Cartographic/english/htmain.htm). The use of particular designations of countries or territories does not imply any judgement by the publisher, the IAEA, as to the legal status of such countries or territories, of their authorities and institutions or of the delimitation of their boundaries. Dotted line represents approximately the Line of Control in Jammu and Kashmir agreed upon by India and Pakistan. The final status of Jammu and Kashmir has not yet been agreed upon by the parties. Final boundary between the Republic of Sudan and the Republic of South Sudan has not yet been determined.

Deposit Type	Deposit Subtype	Deposit Size (tU original or produced+remaining resource) < 1 000	1 001 - 5 000	5 001 - 25 000	25 001 - 100 000	> 100 000
1. Intrusive (Int)	Anatectic					
	Plutonic¹					
2. Granite-related (Gran)	Endogranitic					
	Perigranitic					
3. Polymetallic Fe oxide breccia complex¹ (PBx)						
4. Volcanic-related (Volc)	Stratabound					
	Structure-bound					
	Volcano-sedimentary					
5. Metasomatite (Mso)	Na-metasomatite					
	K-metasomatite					
	Skarn					
6. Metamorphite (Met)	Stratabound					
	Structure-bound					
	Marble-hosted					
7. Proterozoic unconformity (Unc)	Unconformity-contact					
	Basement-hosted					
	Stratiform fracture-controlled					
8. Collapse breccia pipe (CBx)						
9. Sandstone (Sst)	Basal channel					
	Tabular					
	Roll-front					
	Tectonic-lithologic					
	Mafic dykes/sills					
10. Paleo quartz-pebble conglomerate (PQPC)	U-dominant					
	Au-dominant¹					
11. Surficial (Surf)	Peat-bog					
	Fluvial valley					
	Lacustrine-playa					
	Pedogenic and fracture fill					
12. Lignite-coal¹ (LigCo)	Stratiform					
	Fracture controlled					
13. Carbonate (Carb)	Stratabound					
	Cataclastic					
	Paleokarst					
14. Phosphate¹ (Pho)	Organic phosphorite					
	Microchemical phosphorite					
	Continental phosphate					
15. Black shale (BSh)	Stratiform					
	Stockwork					

• Undifferentiated and unverified Uranium occurrence with no known resource estimation

▲ Undifferentiated Thorium deposit and occurrence from IAEA ThDEPO database

The Dep IDs are unique deposit identification numbers corresponding to the IAEA UDEPO database records. A deposit is defined as there is known to be a resource estimation undertaken. If the exact estimation is unknown, an estimated range is generated by IAEA. This is particularly so with unconventional resources¹ from which uranium is present at very low grades and/or only recoverable as a minor by-product using special processing techniques. Resources shown are not current remaining resources, but are the maximum of original geological resource, production figures or remaining resources at the lowest available cut-off grade. They include historic resources, and so may not be compliant with contemporary reporting standards and are not endorsed by IAEA as such. Where available, resource estimations for individual discrete ore zones are shown. Where this is not possible, some aggregation of resources are necessary. No economic or financial inferences with respect to recoverability of uranium are intended. The list of deposits is not exhaustive or current. There are 2831 deposits shown on the face of the map, but only those 102 greater than 100 000tU, or currently producing uranium, are named. Other deposits greater than 2500tU (863 deposits) are numbered, and along with larger or producing deposits, are listed below the map face. All other deposits (1866) 2500tU or less are only shown as symbols with no annotation but can be queried as described in https://helpx.adobe.com/acrobat/using/geospatial-pdfs.html.

Map Legend

- Populated place
- Railroad
- Road
- Country boundary²
- Fault trace

Lithology

- Metamorphic rocks
- Intrusive rocks
- Sedimentary and volcanic rocks
- Sedimentary rocks
- Tectonized rocks
- Volcanic and intrusive rocks
- Volcanic rocks

Era

- Holocene and Recent ice cap
- Cenozoic
- Mesozoic
- Paleozoic
- Neoproterozoic
- Mesoproterozoic
- Paleoproterozoic
- Proterozoic (undifferentiated)
- Archean and Proterozoic

Dep ID	Dep Name	Dep Type	Grid
0001	Abankor	Met	J3
0004	Timgaouine	Gran	J3
0005	Tinef	Met	J3
0006	Cerro Solo	Sst	F7
0011	Rodolfo	Sst	F6
0014	Angela	Sst	F6
0017	Ben Lomond	Volc	Q5
0018	Bennetts Well	Sst	O6
0019	Beverley	Sst	P6
0020	Bigrlyi	Sst	P6
0022	Centipede	Surf	P6
0029	Goulds Dam	Sst	P6
0032	Honeymoon	Sst	Q6
0033	Huarabagoo	Sst	P5
0034	Jabiluka 1	Unc	P5
0035	Junnagunna	Sst	P5
0036	Kintyre	Unc	P6
0037	Koongarra 1	Unc	P5
0038	Lake Maitland	Surf	P6
0041	Lake Way	Surf	P6
0043	Manyingee	Sst	O6
0044	Mary Kathleen	Mso	Q6
0047	Mount Gee	PBx	P6
0050	Nabarlek	Unc	P5
0051	Napperby	Surf	P6
0052	Nowthana	Surf	O6
0053	Olympic Dam	PBx	P6
0059	Ranger 68	Unc	P5
0060	Redtree	Sst	P5
0062	Skal	Mso	P6
0064	Thatcher Soak West	Surf	P6
0068	Valhalla	Mso	P6
0070	Warrior	Sst	P6
0073	Yeelirrie	Surf	O6
0075	Amorinopolis	Sst	G5
0077	Espinharas	Mso	H5
0078	Figueira	Sst	G6
0079	Gandarela	PQPC	G6
0080	Itataia-Santa Quiteria District	Met	H5
0082	Pocos De Caldas - Cercado	Int	G6
0083	Serra Das Gaivotas	PQPC	G6
0089	Eleshnitza District	Sst	K2
0104	Simitli	Sst	K2
0109	Agnew Lake	PQPC	E2
0112	Blizzard	Sst	D2
0113	Cigar Lake	Unc	D2
0116	Collins Bay A	Unc	D2
0117	Cluff Lake D	Unc	D2
0118	Dawn Lake	Unc	D2
0119	Denison Mine	PQPC	E2
0122	Eagle Point	Unc	D2
0124	Gunnar	Mso	D2
0126	Deilmann	Unc	D2
0127	Kiggavik Main	Unc	E1
0130	Madawaska	Int	F2
0132	Mcarthur River	Unc	D2
0133	Mcclean Lake Pods	Unc	D2
0134	Michelin	Mso	G2
0135	Midwest	Unc	D2
0136	Nordic	PQPC	E2
0137	Lacnor	PQPC	E2
0138	Panel Mine	PQPC	E2
0139	Spanish American	PQPC	E2
0141	Quirke	PQPC	E2
0142	Milliken	PQPC	E2
0143	Rabbit Lake	Unc	D2
0144	Raven	Unc	D2
0147	Stanleigh	PQPC	E2
0155	Kitongo	Mso	J4
0157	Beimianshi	Volc	O3
0160	Chanziping	Bsh	O3
0170	Lianshanguan-Benxi Mine	Mso	P2
0172	Nuheting	Sst	O2
0175	Chengzishan (381)	Sst	N3
0179	Xiazhuang District (16 deposits)	Gran	O3
0180	Xiangshan District (11 deposits)	Volc	O3
0181	Brevniste	Sst	J2
0184	Hamr North (Hamr I)	Sst	J2
0185	Horni Slavkov District (10 deposits)	Gran	J2
0186	Hvezdov	Sst	J2
0187	Jachymov District (12 mines)	Gran	J2
0191	Mimon	Sst	J2
0193	Olsi-Dranonin	Met	J2
0194	Osecna-Kotel	Sst	J2
0196	Rozna	Met	J2
0197	Straz	Sst	J2
0198	Vitkov II	Gran	J2
0200	Zadni Chodov	Gran	J2
0201	Kvanefjeld	Int	G1
0210	Bellezane	Gran	J2
0213	Coutras	Sst	J2
0220	Commanderie (La)	Gran	I2
0221	Bernardan (Le)	Gran	J2
0223	Chardon (Le)	Gran	I2
0225	Bois Noirs (Les)	Gran	J2
0231	Mas Lavayre	Sst	J2
0232	Margnac-Peny	Gran	J2
0239	Bagombé	Sst	J5
0242	Mounana	Sst	J5
0244	Oklo	Sst	J5
0247	Culmitzsch	Sst	J2
0248	Freital-Gittersee	LigCo	J2
0250	Johanngeorgenstadt	Gran	J2
0251	Koenigstein	Sst	J2
0255	Niederschlema-Alberoda ore field	Gran	J2
0257	Tellerhäuser	Gran	J2
0259	Zobes	Gran	J2
0261	Bhatin	Met	N3
0262	Domiasiat (KPN)	Sst	N3
0263	Jaduguda	Met	N3
0266	Narwapahar	Met	N3
0268	Rohil	Mso	M3
0269	Tummalapalle - Rachakuntapalle	Carb	M4
0270	Turamdih	Met	N3
0272	Wahkyn	Sst	N3
0273	Peddagattu	Unc	M4
0274	Remaja-Hitam	Met	O5
0277	Al Abiad-Al Wady	Pho	K3
0278	Al Hassa - Al Qatrana	Pho	K3
0279	Al Shedeye - Eshidia	Pho	K3
0280	Ruseifa	Pho	K3
0282	Tono District (4 Deposits)	Sst	P3
0283	Agashskoye	Met	M2
0285	Assarchik	Sst	M2
0286	Balkashinskoye	Volc	M2
0289	Botaburum	Volc	M2
0290	Budennovskoye 1, 3 & 4	Sst	M2
0291	Burlukskoye	Met	M2
0292	Chaglinskoye	Met	M2
0294	Daba	Volc	M2
0297	Dzhusandalynskoye	Gran	M2
0298	Dzhidely	Volc	M2
0299	Fevralskoye	Met	M2
0300	Glubinnoye	Met	M2
0301	Grachevskoye	Met	M2
0303	Inkai 1, 2 & 3	Sst	M2
0304	Irkol	Sst	M2
0305	Ishimskoye	Met	M2
0306	Kamyshevoye	Met	M2
0307	Kanzhugan	Sst	M2
0308	Karakoyn	Sst	M2
0309	Karamurun North	Sst	M2
0310	Karamurun South	Sst	M2
0311	Karyntarynskoye	Pho	L2
0313	Kharasan 1-North	Sst	M2
0315	Koldzhat	LigCo	N2
0321	Kyzylsay District (8 deposits)	Volc	M2
0323	Kyzyltu	Sst	M2
0326	Manybaiskoye	Volc	M2
0327	Melovoye	Pho	L2
0328	Moynkum Central	Sst	M2
0329	Mynkuduk East	Sst	M2
0330	Nizhneylyiskoye	LigCo	M2
0333	Semizbai	Sst	M2
0335	Shokhpak	Met	M2
0336	Sholak-Espe	Sst	M2
0338	Slavyanskoye	Met	M2
0339	Suluchekinskoye	Sst	M2
0342	Tasmurunskoye	Pho	L2
0344	Taybagarskoye	Pho	L2
0345	Tomakskoye	Pho	L2
0347	Uvanas	Sst	M2
0348	Victorovskoye	Met	M2
0349	Vostok	Met	M2
0352	Zarechnoye	Sst	M2
0353	Zaozernoye	Met	M2
0354	Zhalpak	Sst	M2
0355	Zhautkan	Sst	M2
0356	Zvyozdnoe	Met	M2
0357	Maylisay	Carb	M2
0358	Mailuu-Suu	Carb	M2
0360	Turakavak	LigCo	M2
0367	La Sierrita	Sst	E3
0371	Santo Domingo	Pho	D3
0372	Kayelekera	Sst	K5
0373	Dornod District (12 deposits)	Volc	O2
0374	Gurvanbulak Central Zone	Volc	O2
0375	Kharaat	Sst	O2
0379	Gantour Basin	Pho	I3
0380	Oulad Abdoun Basin	Pho	I3
0381	Meskala Basin	Pho	I3
0382	Oued Eddahab Basin	Pho	I3
0387	Klein Trekkopje	Surf	J6
0388	Langer Heinrich	Surf	J6
0390	Rossing	Int	J6
0391	Tumas	Surf	J6
0392	Valencia	Int	J6
0394	Ebba Nord	Sst	J4
0395	Ebba Sud	Sst	J4
0396	Akola	Sst	J4
0397	Akouta Nord	Sst	J4
0398	Akouta Sud	Sst	J4
0399	Ariege	Sst	J4
0401	Arlette	Sst	J4
0403	Artois	Sst	J4
0404	Abakorum	Sst	J4
0405	Imouraren	Sst	J4
0407	Tamou	Sst	J4
0408	Taza Nord	Sst	J4
0420	Rajsk	Bsh	K2
0428	Nisa	Gran	I3
0432	Urgeirica	Gran	I2
0435	Shinkolobwe-Kasolo	Met	K5
0439	Baita Bihor	Sst	K2
0445	Crucea	Met	K2
0447	Dobrei South	Sst	K2
0456	Tulghes-Grinties	Met	K2
0460	Antei	Volc	O2
0461	Argunskoye	Volc	O2
0463	Badyelskoye	LigCo	L1
0466	Belskoje	LigCo	K2
0468	Beryozovoye	Gran	O2
0469	Beshtaugorskoye	Volc	L2
0472	Briketno-Zheltuhinskoye	LigCo	K2
0474	Buyanovskoye	Sst	O2
0477	Bytuguchag	Gran	Q1
0479	Chaplinskoye	LigCo	S1
0482	Crystalnoye	Gran	O2
0483	Dalneye	Volc	O2
0484	Dobrovolnoye	Sst	M2
0485	Dolmatovskoye	Sst	M2
0486	Druzhnoye	Mso	P2
0487	Dybryn	Sst	O2
0492	Gornoye	Gran	O2
0493	Imskoye	Sst	O2
0494	Interesnoye	Mso	P2
0497	Karhu	Unc	K1
0500	Kedrovoye	Sst	N1
0503	Khiagdinskoye	Sst	O2
0504	Khokhlovskoye	Sst	M2
0505	Kolichikan	Sst	O2
0507	Koretkondinskoye	Sst	O2
0508	Kosmozero	Mso	K1
0513	Lastochka	Volc	P2
0515	Luchistoye	Volc	O2
0516	Malinovskoye	Sst	N2
0517	Malo-Tulukuevskoye	Volc	O2
0518	Martovskoye	Volc	O2
0520	Meridionalnoye	Sst	O2
0522	Namaru	Sst	O2
0524	Novogodneye	Volc	O2
0526	Oktyabrskoye	Volc	O2
0527	Olovskoye	Volc	O2
0528	Osenneye	Met	K1
0530	Prigorodnoye	Sst	N2
0531	Primorskoye	Sst	N2
0533	Pyatilentneye	Volc	O2
0534	Rodionovskoye	Surf	O2
0537	Repyevskoye	Carb	L2
0538	Rjabinovoye	Volc	N2
0539	Sanarskoye	Surf	M2
0544	Shirondukuevskoye	Volc	O2
0550	Srednaya Padma	Mso	K1
0551	Stepnovskoye	Pho	L2
0553	Stepnoye	Sst	O2
0555	Streltsovskoye	Volc	O2
0559	Tetrakhskoye	Sst	O2
0562	Tsarevskoye	Mso	K1
0564	Tulukuevskoye	Volc	O2
0566	Ust-Uyukskoye	Sst	N2
0568	Vershinnoye	Sst	O2
0573	Vitlandskoye	Surf	O2
0576	Yubileinoye	Volc	O2
0578	Yugo-Zapadnoye	Volc	O2
0580	Zheglovskoye	Sst	O2
0581	Zherlovoye	Volc	O2
0583	Zjulzinskoye	Sst	O2
0585	Blyvooruitzicht Tailings	PQPC	K6
0586	Buffelsfontein	PQPC	K6
0587	Chemwes-Stilfontein	PQPC	K6
0588	Driefontein Mine	PQPC	K6
0589	Free State Geduld	PQPC	K6
0590	Harmony	PQPC	K6
0591	Hartebeestfontein	PQPC	K6
0592	Loraine	PQPC	K6
0593	Phalabora	Int	K6
0594	President Brand Mine	PQPC	K6
0595	President Steyn	PQPC	K6
0597	Oryx Mine (Beatrix West Section)	PQPC	K6
0599	Western Rand Tailings	PQPC	K6
0600	Western Areas Mine	PQPC	K6
0601	Western Deep Levels Mine	PQPC	K6
0602	Western Holdings	PQPC	K6
0603	Alio Ghelle	Mso	L4
0604	Dusa Mareb-El Bur District	Surf	L4
0606	Zirovski Vrh	Sst	J2
0616	Mina Fe	Gran	I2
0618	Retortillo	Gran	I2
0622	Ranstad	Bsh	J2
0625	Bailik	Bsh	L2
0626	Sernoye	Sst	L2
0632	Yozgat-Sorgun	Sst	K3
0633	Adamivske	LigCo	K2
0638	Kalynivske	Int	K2
0642	Michurinske	Mso	K2
0646	Pershotravneve	Mso	K2
0648	Safonivske	Sst	K2
0649	Severinivske	Mso	K2
0651	Vatutinske	Mso	K2
0652	Yuzhnoye	Int	K2
0653	Zhovtorichenske	Mso	K2
0655	Alta Mesa	Sst	E3
0656	Alta Verde	Sst	E3
0657	Ambrosia Lake District (Dysart)	Sst	D3
0658	Anderson Mine	Volc	D3
0660	Bear Creek Mines	Sst	D2
0662	Bernabe-Montano District	Sst	D3
0663	Big Buck / Velvet	Sst	D3
0664	Big Eagle Phase2/Green Mountain	Sst	D2
0666	Marsland Big Red	Sst	D3
0670	Borrego Pass	Sst	D3
0675	Butler-Weddington	Sst	E3
0680	Central Florida District	Pho	E3
0683	Christensen Ranch	Sst	D2
0684	Churchrock - Section 4	Sst	D3
0686	Clay West	Sst	E3
0688	Copper Mountain	Gran	D2
0689	Crooks Gap District	Sst	D2
0690	Crow Butte	Sst	D2
0691	Crownpoint	Sst	D3
0694	Dewey-Burdock	Sst	D2
0695	East Florida District	Pho	E3
0696	East Gas Hills	Sst	D2
0699	Fernandez Main Ranch	Sst	D3
0701	Jackpot Mine	Sst	D2
0704	Hansen	Sst	D3
0710	Highland	Sst	D2
0711	Holiday-El Mesquite	Sst	E3
0713	Irigaray	Sst	D2
0716	Jackpile - Paguate	Sst	D3
0722	Kingsville Dome	Sst	E3
0723	L-Bar Ranch	Sst	D3
0724	La Jara Mesa	Sst	D3
0728	Lee	Sst	D3
0729	Deremo Mine	Sst	D3
0732	Long Park	Sst	D3
0735	Lucky Mc Mine	Sst	D2
0737	Mancos-Sections 7-12	Sst	D3
0738	Mariano Lake	Sst	D3
0743	Mi Vida	Sst	D3
0744	Midnite	Gran	D2
0745	Monogram Mesa	Sst	D3
0751	Mount. Taylor Mine	Sst	D3
0752	Narrow Canyon	Sst	D3
0756	North Butte / Brown Ranch	Sst	D2
0757	North Florida District	Pho	E3
0758	Northeast Florida District	Pho	E3
0763	Pandora	Sst	D3
0764	Panna Maria	Sst	E3
0767	Petrotomics / Dave	Sst	D2
0771	Pitch Mine	Met	D3
0775	West Reno Creek	Sst	D2
0776	Rhode Ranch District	Sst	E3
0777	Rio Puerco	Sst	D3
0781	Ruby	Sst	D3
0785	Saint Anthony/M-6	Sst	D3
0789	Schwartzwalder Mine	Met	D3
0792	Sherwood Mine	Sst	D2
0794	Shirley Basin Mine	Sst	D2
0796	Slick Rock District	Sst	D3
0797	Smith Ranch	Sst	D2
0798	South Florida District	Pho	E3
0799	South Morton Ranch	Sst	D2
0802	Sweetwater Mine	Sst	D2
0803	Taylor Ranch	Sst	D3
0805	Tony M	Sst	D3
0809	Atkinson Mesa District	Sst	D3
0810	Vanadium	Sst	D3
0812	West Gas Hills	Sst	D2
0813	West Largo	Sst	D3
0814	Whiskey Peak / Green Mountain	Sst	D2
0815	Agron	Sst	M3
0816	Aktau	Sst	M2
0817	Alatanga	Volc	M2
0818	Alendy	Sst	M2
0820	Aulbek	Sst	M2
0823	Beshkak	Sst	M2
0824	Bukinay North	Sst	M2
0826	Chauli	Volc	M2
0827	Dzhantuar	Bsh	M2
0828	Kenimekh	Sst	M2
0830	Kendyktjube	Sst	M2
0831	Ketmenchi	Sst	M3
0833	Lyavlyakan	Sst	M2
0835	Meylysai	Sst	M2
0836	Nagornoye	Sst	M3
0837	Rudnoye	Bsh	M2
0838	Sabyrsay	Sst	M3
0839	Severny Kanimekh	Sst	M2
0841	Shark	Sst	M3
0842	Sugraly	Sst	M2
0845	Tutlyinskaya	Sst	M3
0846	Uchkuduk	Sst	M2
0847	Ulus	Sst	M3
0849	Yuzhny Bukinai	Sst	M2
0851	Khe Hoa-Khe Cao	Sst	O4
0890	Tabelle	Sst	J4
0891	Taza Sud	Sst	J4
0892	Takriza	Sst	J4
0893	Tamgak	Sst	J4
0895	Marianne - Maryline	Sst	J4
0929	Church Rock - Section 8 and 17	Sst	D3
0930	Peach	Sst	D2
0932	Reynolds Ranch	Sst	D2
0942	Tortkuduk	Sst	M2
0947	Oobagooma-Yampi	Sst	P5
0948	91 Ranger 1 N°1	Unc	P5
0951	Jabiluka 2	Unc	P5
0952	Ranger 1 N°3	Unc	P5
0953	Oberschlema	Gran	J2
0955	Val Vedello	Volc	J2
0977	Prominent Hill	PBx	P6
0979	Nolans Bore	Int	P6
0981	Ace-Fay-Verna	Met	D2
0982	Andrew Lake	Unc	E1
0985	End Grid	Unc	E1
0988	Horseshoe	Unc	D2
0990	Millennium	Unc	D2
0992	P Patch Zone	Unc	D2
0994	Shea Creek-Anne	Unc	D2
0995	Shea Creek-Colette	Unc	D2
0996	Shea Creek-Kianna	Unc	D2
0998	Cluff Lake Dominique-Peter	Unc	D2
0999	Cluff Lake Dominique-Jeanine	Unc	D2
1000	Collins Bay B	Unc	D2
1003	Kiggavik Centre	Unc	E1
1006	Sue C	Unc	D2
1008	Sue E	Unc	D2
1010	Eldorado (Port Radium)	Met	D1
1012	Bagjata	Met	N3
1013	Banduhurang - Turamdih South	Met	N3
1030	Gogi	Gran	M4
1031	Chitrial	Unc	M4
1042	BJ Lake	Unc	D2
1051	Centennial	Unc	D2
1053	Charlebois Lake	Int	D2
1059	Dieter Lake	Bsh	F2
1075	Jacques Lake	Mso	G2
1077	Drope Lake - La Ronge	Int	D2
1078	Lac Cinquante	Met	E1
1082	Midwest A	Unc	D2
1083	Matoush	Sst	F2
1086	Roughrider	Unc	D2
1091	Mountain Lake	Sst	D1
1099	P2 Main	Unc	D2
1100	Paul Bay	Unc	D2
1110	Tamarack	Unc	D2
1120	Shihongtan	Sst	N2
1121	Zhaohuohao (396)	Sst	O3
1138	Allied Zones	Int	F2
1139	Apple	PQPC	F2
1143	Can-Met	PQPC	E2
1145	Eco Ridge Mine	PQPC	E2
1150	L	Sst	F2
1156	Stanrock	PQPC	E2
1162	Veznice	Met	J2
1165	Luena Basin	LigCo	K5
1166	Musonoi Extension	Met	K5
1168	Siwaqa	Surf	K3
1169	Akdala	Sst	M2
1176	Falea	Sst	I4
1178	Khairkhan	Sst	O2
1179	Ulaan Nuur	Sst	O2
1180	Aussinanis	Surf	J6
1181	Anomaly A (Etango)	Int	J6
1184	Marenica	Surf	J6
1185	Trekkopje	Surf	J6
1187	Arcadie	Sst	J4
1191	Nord Somair	Sst	J4
1192	Taossa	Sst	J4
1193	Teguidda (Ir, G, T)	Sst	J4
1195	Yuti	Sst	G6
1196	Corachapi	Volc	F5
1198	Kemchug	Volc	N2
1200	Ghurayyah	Int	K3
1203	Kuriskova	Volc	K2
1204	Novoveska Huta	Volc	K2
1209	Denny Dalton	PQPC	K6
1210	Dominion Reefs	PQPC	K6
1211	Ezulwini	PQPC	K6
1212	Rietkuil	PQPC	K6
1213	Ryst Kuil	Sst	K6
1214	Springbok Flats	LigCo	K6
1215	Gambuta	Gran	I3
1218	Duobblon	Volc	J1
1225	Tasjo District	Pho	J1
1231	Dibwe	Sst	K5
1235	Mutanga Main	Sst	K5
1237	Njame	Sst	K5
1238	Severnoye	Mso	P2
1239	Tsentralne	Mso	K2
1240	Novokostyantynivske	Mso	K2
1241	Pidhajtsivske	Mso	K2
1247	Abeta	PQPC	E2
1248	Banana Lake	PQPC	E2
1253	Gaertner	Unc	D2
1254	Millaqua	PQPC	E2
1255	Silvermaque	PQPC	E2
1258	Serule Nw	Sst	K6
1267	Firawa	Met	I4
1268	Kanyika	Int	K5
1269	Garnet Valley	Int	J6
1270	Namib Park	Surf	J6
1272	Oryx (Tumas 3)	Surf	J6
1277	Beisa North	PQPC	K6
1279	Cooke / Old Randfontein Tailings	PQPC	K6
1280	East Rand Consolidated Tailing	PQPC	K6
1284	Potchefstroom Goldfield	PQPC	K6
1285	Southern Free State (4 deposits)	PQPC	K6
1286	Vaal River Tailings	PQPC	K6
1290	Nyota	Sst	K5
1298	North Shore Double S Zone	Int	F2
1299	North Shore Middle Zone	Int	F2
1300	North Shore Tj Zone	Int	F2
1303	Chuquicamata	Int	F6
1307	Oshively	Int	J6
1311	MMS Vicken	Bsh	J1
1313	Sw Reno Creek	Sst	D2
1316	Four Mile East	Sst	P6
1317	Dawson-Hinkler	Surf	P6
1319	Windimurra	Surf	O6
1327	Blackbush	Sst	P6
1329	E1 North & South	PBx	Q6
1330	Four Mile West	Sst	P6
1331	Hillview	Surf	O6
1339	Araxa	Int	G5
1342	Olinda	Pho	H5
1343	Pitinga	Int	F5
1347	Amer Lake- Main Zone	Sst	E1
1351	Moran Lake C Zone	Met	F2
1358	Phoenix	Unc	D2
1359	Pama	Pho	K4
1360	Pato	Pho	K4
1361	Patricia	Pho	K4
1367	Sierra Gorda	Int	F6
1368	Chengxian Mine	Bsh	O3
1370	Lantian Mine	Gran	O3
1374	Saima	Int	P2
1377	Berlin	Sst	F4
1378	Brzkov	Met	J2
1383	Pecs	Sst	J2
1390	Tyuya-Muyum	Carb	M2
1395	San Juan De La Costa	Pho	D3
1397	Turgen District	Volc	O2
1398	Ugtam	Volc	O2
1400	Inca	Mso	J6
1401	Imca 25	Sst	J4
1402	Irhawenzegirhan	Sst	J4
1406	Isakanan	Sst	J4
1408	Taunsa	Sst	M3
1409	Colibri 2 & 3	Volc	F5
1413	Abu Tartur	Pho	K3
1414	Akashat	Pho	K3
1415	Elkon	Mso	P2
1416	Elkonskoe Plateau	Mso	P2
1417	Kurung	Mso	P2
1419	Kopanang Mine	PQPC	K6
1421	Sageras-Zona M	Gran	I2
1424	Palmira District	Pho	K3
1429	Antelope	Sst	D2
1431	Aurora	Volc	D2
1432	Bingham Canyon	Int	D2
1433	Black Jack 1 & 2	Sst	D3
1443	Coles Hill North	Mso	F3
1444	Coles Hills South	Mso	F3
1461	Hank Unit	Sst	D2
1462	Hosta Butte	Sst	D3
1465	Juan Tafoya	Sst	D3
1467	Kings Valley	Volc	D2
1468	Los Quatros	Volc	D3
1469	Lost Creek	Sst	D2
1470	Lost Soldier	Sst	D2
1471	Marquez	Sst	D3
1479	Section 22 (New Mexico)	Sst	D3
1480	Section 23 (New Mexico)	Sst	D3
1481	Section 24 (New Mexico)	Sst	D3
1485	Section 30 (New Mexico)	Sst	D3
1489	Sheep Mountain	Sst	D2
1494	Velvet-Wood Mines	Sst	D3
1495	Virgin Valley	Volc	D2
1503	Tabhing Area	Sst	O4
1505	Malundwe	Met	K5
1508	Double 8	Sst	P6
1515	Lujing District (5 deposits)	Gran	O3
1517	Qianjiadian (2 deposits)	Sst	P2
1520	Serres Basin	LigCo	K2
1521	Inkai South-4	Sst	M2
1525	Onkelo	Int	J6
1526	Bayovar	Pho	E5
1527	Neprokhodimoye	Mso	P2
1532	Goliad	Sst	E3
1534	Hack Canyon 2	CBx	D3
1542	Budennovskoye 2	Sst	M2
1543	Ambassador	LigCo	P6
1544	Emperor	LigCo	P6
1546	Gorgon Main	Sst	K6
1547	Kraken	Sst	K6
1548	Husab - Zone 1	Int	J6
1549	Husab - Zone 2	Int	J6
1550	Shanawah	Sst	M3
1554	Negev Desert District	Pho	K3
1562	Beatrix	PQPC	K6
1563	Kloof Tailings	PQPC	K6
1564	South Deep Mine (Underground)	PQPC	K6
1565	Cooke 1, 2 & 3/Old Randfontein	PQPC	K6
1568	Barber	Sst	D2
1569	Boyer	Sst	D3
1571	Coyote Basin	LigCo	D2
1575	Noah	Sst	D3
1576	North West Taylor	Sst	D3
1579	Ross	Sst	D2
1582	Roca Honda Mine	Sst	D3
1583	Attarat-Wadi Maghar	Pho	K3
1585	Gachin	Surf	L3
1590	Toongi	Int	Q6
1591	Beerwalde-Korbussen	Bsh	J2
1592	Bernsbach	Gran	J2
1596	Crimmitschauer Fault Zone	Bsh	J2
1597	Drosen	Bsh	J2
1601	Gera Sud	Sst	J2
1604	Kyhna - Schenkenberg	Volc	J2
1605	Lichtenberg	Bsh	J2
1607	Paitzdorf	Bsh	J2
1609	Prehna	Bsh	J2
1611	Schmirchau - Reust	Bsh	J2
1619	Zeitz - Baldenhain	Bsh	J2
1620	Kaynar	Sst	M2
1622	Kharasan 2-South	Sst	M2
1623	Moynkum South	Sst	M2
1624	Mynkuduk Central	Sst	M2
1625	Mynkuduk West	Sst	M2
1626	Chubu	Bsh	P3
1628	Gumsan	Bsh	P3
1632	Yokwang	Bsh	P3
1636	Takardeit	Sst	J4
1637	Tin Negouran	Sst	J4
1641	Zona Pologaya	Mso	P2
1652	Cappers	Surf	P6
1653	Archontovounis	Gran	K2
1656	Alameda	Gran	I2
1659	Haggan	Bsh	J1
1662	Husab - Zone 3	Int	J6
1664	Husab - Zone 4	Int	J6
1665	Great Nolingwa Mine	PQPC	K6
1666	Moab Khotsong	PQPC	K6
1667	Mponeng	PQPC	K6
1671	Majuelos	Gran	I2
1675	Tubas Red Sand	Surf	J6
1694	Carley Bore	Sst	O6
1695	Odin	Mso	P6
1696	Gorgon West	Sst	K6
1697	Gorgon South	Sst	K6
1699	Catalao	Int	G5
1700	Drucourt Zone	Int	F2
1702	J Zone	Unc	D2
1703	Kolmisoppi	Bsh	K1
1704	Kuusilampi	Bsh	K1
1708	Khan Azzabib	Surf	K3
1709	Sadyrnynskoye	Pho	L2
1710	Hyena	Int	J6
1711	Ondjamba	Int	J6
1712	Miriam	Sst	J4
1713	Isivilla	Volc	F5
1715	Tantamaco	Volc	F5
1717	Jabal Sayid	Int	L3
1725	Phosphoria Formation	Pho	D2
1742	MML-E	Sst	J2
1743	Tuyuk-Suu	LigCo	M2
1755	Carrapateena	PBx	P6
1757	Pepegoona	Sst	P6
1759	San Hilario	Pho	D3
1761	Tembabiche	Pho	D3
1762	UF1	Pho	D3
1763	Glibat Lafhouda	Int	I3
1764	Twihinate	Int	I3
1765	De Bron	PQPC	K6
1767	Riet Kuil	Sst	K6
1768	Guanaco	Surf	F7
1770	Plumbush	Sst	P6
1772	Serule W	Sst	K6
1774	Radomiro Tomic	Int	F6
1775	A 238	Mso	I3
1776	Ain Sder C1-CJ-CR	Surf	I3
1777	Oued El Foule East	Surf	I3
1778	Oum Ferkik L-K	Surf	I3
1780	Ongolo	Int	J6
1781	Husab - Zone 5	Int	J6
1782	Al Jalamid	Pho	L3
1783	East Ebro Valley (5 deposits)	LigCo	I2
1784	Temrezli	Sst	K3
1791	Bikini	Mso	P6
1793	Millipede	Surf	P6
1796	Rio Cristallino	Sst	G5
1797	Pecors East	PQPC	E2
1798	MA 7	Int	J6
1799	Namibplass	Int	J6
1803	Dulaan Uul	Sst	O2
1805	Lubin-Sieroszowice	Bsh	J2
1810	Congo Pit	Sst	D2
1819	Todilto District	Carb	D3
1821	Igarape Bahia	PBx	G5
1822	Salobo	PBx	G5
1823	Sossego	PBx	G5
1824	J4/Ray	Met	E1
1826	Zoovch Ovoo	Sst	O2
1829	Ranger Deeps	Unc	P5
1830	Illimaussaq Zone 3	Int	G1
1831	Gabbal Guttar	Gran	K3
1836	Manyoni District-Zone C 1	Surf	K5
1844	Theseus	Sst	P6
1846	Frazer Lake-Zone B	Int	D2
1849	Guyuan	Volc	O3
1850	Hechaokeng	Gran	O2
1851	Kujiertai	Sst	N2
1854	Pannikan	Sst	P6
1855	Pepegoona West	Sst	P6
1856	Buckton Zone	Bsh	D2
1858	Taoshan	Gran	O3
1859	La Banane	Sst	J4
1864	Msne	Sst	J4
1866	Oak Dam	Sst	P6
1868	Maoyangtuo (570)	Met	O3
1869	Wukuerqi	Sst	N2
1872	Plouznice	Sst	J2
1874	Sorensen	Int	G1
1878	Dwaima	Pho	K3
1879	Ethna	Pho	K3
1880	Hirri	Pho	L3
1881	H 3	Pho	K3
1882	Marbat	Pho	L3
1883	Swab	Pho	K3
1885	Ulzitt	Sst	O2
1886	Dajy	Sst	J4
1887	Dasa 1, 2 & 3	Sst	J4
1891	Marby	Bsh	J1
1894	Minjingu	Pho	K5
1911	Kendrick	Sst	D2
1913	Lisbon Mine	Sst	D3
1922	North Reno Creek	Sst	D2
1923	Nose Rock	Sst	D3
1936	Twin Butte	Int	D3
1938	White Canyon District	Sst	D3
1939	Yerington	Int	D3
1941	Buckton South	Bsh	D2
1942	Canuc Zone	PQPC	E2
1943	Milo	PBx	Q6
1945	Gemico Block 3	PQPC	E2
1946	Gemico Block 10	PQPC	E2
1947	Triple R	Unc	D2
1948	Teasdale Lake Zone	PQPC	E2
1949	Bayinwula	Sst	O2
1951	Shashagetai	Sst	O3
1952	Sunjialiang	Sst	O3
1955	Z 20	Int	J6
1956	Armelle	Sst	J4
1957	Tamani	Sst	J4
1958	Tamgak Deep	Sst	J4
1959	Taverse	Sst	J4
1960	Bloemhoek	PQPC	K6
1961	Cooke 4 (Gauteng)	PQPC	K6
1967	Chattanooga Shale Formation	Bsh	E3
1969	Dibwe East	Sst	K5
1971	Northern Great Plains	LigCo	D2
1972	Happy Valley 2-15	Int	J6
1973	Happy Valley 18	Int	J6
1978	West Rand Tailings (Wrtrp)	PQPC	K6
1979	West Witts Tailings (13 Tailings)	PQPC	K6
1980	Narke	Bsh	J2
1988	Palua	Sst	O4
1989	Parong	Sst	O4
1990	Tebessa District	Pho	J3
1991	Fosse-Pamela	Pho	K4
1992	El Sebaeya East	Pho	K3
1993	Red Sea District	Pho	K3
1994	Chatham Rise	Pho	R7
1995	Gafsa-Metlaoui District	Pho	J3
1996	Binh Duong	Pho	O3
1998	Nong Son	LigCo	O4
2000	Monument Valley District	Sst	D3
2002	Fab Trend	Sst	D2
2007	Billeroo	Sst	P6
2008	Brooks Dam	Sst	Q6
2009	Four Mile North-East	Sst	P6
2029	Arrow	Unc	D2
2032	Gryphon	Unc	D2
2034	Mann Lake	Unc	D2
2040	Léré	Mso	J4
2041	Motzfeldt	Int	G1
2047	La Terraza	Volc	F6
2053	Terraza North	Volc	F6
2054	Tigre I	Volc	F6
2845	Stilfontein	PQPC	K6
4176	Treviels	Sst	J2
4192	Baltoscandia District	Bsh	K2
4196	Kok Moinok	Gran	M2
4198	Aghracha	Surf	I3
4199	Drag-Al Farnane	Int	I3
4202	Tarfaya Basin	Bsh	I3
4203	Timahdit Basin	Bsh	I3
4204	Welwitschia Flats	Surf	J6
4210	Chilcuno Chico	Volc	F5
4212	Quebradra Blanca	Volc	F5
4221	Al Khabra	Pho	K3
4222	Umm Wu'Al	Pho	K3
4223	Blyvooruitzicht Mine	PQPC	K6
4224	Daggafontein Mine	PQPC	K6
4226	Doornfontein	PQPC	K6
4228	Driefontein Tailings	PQPC	K6
4236	Ergo	PQPC	K6
4238	Freddies	PQPC	K6
4241	Luipaardsvlei	PQPC	K6
4243	Vaal Reefs Mine	PQPC	K6
4244	Virginia	PQPC	K6
4250	West Rand Consolidated Mine	PQPC	K6
4258	Cliffside Mine	CBx	D3
4261	Round Top	Int	D3
4265	Pilanesberg - Ledig Zone	Int	K6
4266	Krasnoselskoye	Bsh	K2
4267	Kotlovskoye	Bsh	K2
4268	Durban (Roodeport) Deep	PQPC	K6
4269	Kosachinoye	Met	M2
4270	El Sebaeya West	Pho	K3
4271	Mecsec Mine	Sst	J2
4272	Saaiplaas	PQPC	K6
4273	Deelkrall	PQPC	K6
4274	Mabounie	Int	J5
4275	Jeanette	PQPC	K6
4276	Fox Lake	Unc	D2
4277	Bytiz 4, 22-40	Gran	J2
4278	Engenho	Mso	G5
4279	Smaldeel	PQPC	K6
4280	Afrikander	PQPC	K6
4281	Zheltorechenske	Mso	K2
4282	Da Rabicha	Mso	G5
4283	Hamr South (Hamr II)	Sst	J2
4284	Bukinay South	Sst	M2
4285	Cristalino	PBx	G5
4286	Khamsin	PBx	P6
4287	Cachoeira	Mso	G5
4288	Kalbasfontein	PQPC	K6
4289	Litne	Mso	K2
4290	Balkovskoye	Pho	L2
4291	Mengqiguer 2	Sst	N2
4292	Zuurbekom	PQPC	K6
4293	Ebene	Sst	J4
4294	Modesto	Mso	G5
4295	Elandsrand	PQPC	K6
4296	Aquelt Assfaya	Surf	I3
4297	Ernest Henry	PBx	Q6
4298	Hakkies	PQPC	J6
4299	Phoenix	PQPC	K6
4300	Puissagtaq	Gran	G1
4301	Sutherland 2	Sst	K6
4302	Juzkuduk	Sst	M3
4303	Lesetice	Gran	J2
4304	Rhenosterroek	PQPC	K6
4305	Ergo Tailings	PQPC	K6
4306	Middle Dome	Int	J6
4307	Zvezdnoye	Met	M2
4308	Banadungri-Sinidungri	Met	N3
4309	Area 1 East	PQPC	K6
4310	Doornrivier	PQPC	K6
4311	Bofal-Loubboira	Pho	I4
4312	Alemao	PBx	G5
4313	Zhuravlinoye	Volc	O2
4314	Holicky	Sst	J2
4315	Hnativske	Mso	K2
4316	Yuriivske	Mso	K2
4317	Partyzanske	Mso	K2
4318	Pivdennokonoplyanske	Mso	K2
4319	Pivnichnokonoplyanske	Mso	K2
4320	Dokuchaevske	Mso	K2
4321	Kvitneve	Mso	K2
4322	Schorsivske	Mso	K2
4323	Lelekivske	Mso	K2
4324	Hannivka	Mso	K2
4325	Lisne	Mso	K2
4326	Kremenchugske	Mso	K2
4327	Jeruzalem	Gran	J2
4328	Melkraals	PQPC	J6
4329	Grootvlei Tailings	PQPC	K6
4330	Baimadong	Carb	O3
4331	Kareeport	Sst	K6
4332	Fochville	PQPC	K6
4333	Krizani	Sst	J2
4334	Boztauskaya	Bsh	M2
4335	Tushinskoye	Met	M2
4336	Mestena Grande	Sst	E3
4337	Haanekuil	Sst	K6
4338	Vermeulenskraal North	PQPC	K6
4339	Moab Extension	PQPC	K6
4340	Sarydjaz	Bsh	M2
4341	Robijn	PQPC	K6
4342	Salem	Int	J6
4343	Elandsfontein	Sst	K6
4344	Tshepong	PQPC	K6
4345	Phakisa	PQPC	K6
4346	Brod	Gran	J2
4347	Weltevreden	PQPC	K6
4348	Pocos De Caldas-Agostino	Int	G6
4349	Graben	Sst	F7
4350	Kyzyl	Volc	M2
4351	Das Quebradas	Mso	G5
4352	Laranjeiras	Mso	G5
4353	Prudovoye	Pho	L2
4354	Buratinskoye South	Pho	L2
4355	Bagaburulskoye NE	Pho	L2
4356	Kharabulukskoye North	Pho	L2
4357	Bagaburulskoye	Pho	L2
4358	Nugrinskoye	Pho	L2
4359	Bogorodskoye	Pho	L2
4360	Shargadykskoye	Pho	L2
4361	Yashkulskoye	Pho	L2
4362	Centralnoye	Pho	L2
4363	Troitskoye	Pho	L2
4364	Abou Shkhair	Carb	L3
4365	Wangjiachong	Sst	O3
4366	Sirotininsk	Sst	O2
4367	Smolenskoye	Sst	N2
4368	Chasovoye	Gran	O2
4369	Korolevskoye	Gran	O2
4370	Bystroye	Sst	N2
4371	Bashibulak	Sst	M3
4372	Nekrakovskoye	Pho	L2
4373	Vranov	Sst	J2
4374	Srni Potok	Sst	J2
4375	Pavlin	Sst	J2
4376	Xinwu Basin (5 deposits)	Sst	O3
4377	Arnold	Sst	J4
4378	Aride	Sst	J4
4379	Yarkuduk	Sst	M3
4380	Istiklol	Sst	M2
4381	Wuhisan	Sst	N2
4382	Wuhier	Sst	N2
4383	North Tamdinskaya	Bsh	M2
4384	Wuyiyi	Sst	N2
4385	Baxingtu	Sst	P2
4386	Kenze	Sst	M2
4387	Likhmanovske	Mso	K2
4388	YGOK	Mso	K2
4389	Stetchovskaya	Mso	K2
4390	Krasnogvardeiske	Mso	K2
4391	Annovske	Mso	K2
4392	Kirovskii	Mso	K2
4393	Stankovatskaya	Mso	K2
4394	Kurnikoskoye-W	Mso	K2
4395	Stepne	Mso	K2
4396	Novopavdovske	Mso	K2
4397	Manuiylivske	Mso	K2
4398	Steblevskaya	Mso	K2
4399	Podgaitsevskoye	Mso	K2
4400	Andriiivske	Mso	K2
4401	Kohanivske	Mso	K2
4402	Rand Proprietary M Tailings	PQPC	K6
4403	Honghaigou	Sst	N2
4404	Tamdikuduk-Tulyantashkaya	Sst	M3
4405	Masimong	PQPC	K6
4406	South Deep Mine (Tailings)	PQPC	K6
4407	Vredefort	PQPC	K6
4408	Gurvanbulak Intermediate Zone	Volc	O2
4409	Plateau West	Sst	F7
4410	Fraserburg 2	Sst	K6
4411	Fraserburg	Sst	K6
4412	Mazarete Extension W (Zona II)	Sst	I2
4413	Pirna	Sst	J2
4414	Tierhoek	Sst	K6
4415	Vermeulenskraal	PQPC	K6
4416	St Helena Tailings	PQPC	K6

IAEA
International Atomic Energy Agency

WORLD DISTRIBUTION OF METASOMATITE URANIUM DEPOSITS

SECOND EDITION: 2018

Scale 1: 1:35 000 000

Kilometres 500 0 500 1,000 1,500 2,000 Kilometres

Mercator Projection: Central Meridian 10°

Map production by M.C. Fairclough (IAEA), J.A. Irvine (Australia), L.F. Katona (Australia) and W.L. Slimmon (Canada).

World Distribution of Uranium Deposits, International Atomic Energy Agency, Vienna, Austria. Cartographic assistance was supplied by the Geological Survey of South Australia, the Saskatchewan Geological Survey and United States Geological Survey to the IAEA.

Deposit data derived from IAEA UDEPO (http://infcis.iaea.org/UDEPO/About.cshtml) database with assistance from P. Bruneton (France), M. Mihalasky (U.S.A.), M. Cuney (France), M. Aranha (IAEA), O. Pylypenko (IAEA) and K. Poliakovska (IAEA). The map is an updated companion to "World Distribution of Uranium Deposits (UDEPO) with Uranium Deposit Classification, IAEA Tech-Doc-1629" and "World Distribution of Uranium Deposits (UDEPO) 2016 Edition, IAEA Tec-Doc in-preparation". Map data is current to beginning 2017.

Geology was derived from L.B. Chorlton, Generalized Geology of the World, Geological Survey of Canada, Open File 5529, 2007 under Open Government Licence - Canada (http://data.gc.ca/eng/open-government-licence-canada)

Coastlines and drainage were obtained from Natural Earth public domain vector map data (http://www.naturalearthdata.com/about/terms-of-use). Country boundaries are from the United Nations² (http://www.un.org/Depts/Cartographic/english/htmain.htm). The use of particular designations of countries or territories does not imply any judgement by the publisher, the IAEA, as to the legal status of such countries or territories, of their authorities and institutions or of the delimitation of their boundaries. Dotted line represents approximately the Line of Control in Jammu and Kashmir agreed upon by India and Pakistan. The final status of Jammu and Kashmir has not yet been agreed upon by the parties. Final boundary between the Republic of Sudan and the Republic of South Sudan has not yet been determined.

Deposit Type	Deposit Subtype	Deposit Size (tU original or produced+remaining resource) < 1 000	1 001 - 5 000	5 001 - 25 000	25 001 - 100 000	> 100 000
1. Intrusive (Int)	Anatectic					
	Plutonic¹					
2. Granite-related (Gran)	Endogranitic					
	Perigranitic					
3. Polymetallic Fe oxide breccia complex¹ (PBx)						
4. Volcanic-related (Volc)	Stratabound					
	Structure-bound					
	Volcano-sedimentary					
5. Metasomatite (Mso)	Na-metasomatite					
	K-metasomatite					
	Skarn					
6. Metamorphite (Met)	Stratabound					
	Structure-bound					
	Marble-hosted					
7. Proterozoic unconformity (Unc)	Unconformity-contact					
	Basement-hosted					
	Stratiform fracture-controlled					
8. Collapse breccia pipe (CBx)						
9. Sandstone (Sst)	Basal channel					
	Tabular					
	Roll-front					
	Tectonic-lithologic					
	Mafic dykes/sills					
10. Paleo quartz-pebble conglomerate (PQPC)	U-dominant					
	Au-dominant¹					
11. Surficial (Surf)	Peat-bog					
	Fluvial valley					
	Lacustrine-playa					
	Pedogenic and fracture fill					
12. Lignite-coal¹ (LigCo)	Stratiform					
	Fracture controlled					
13. Carbonate (Carb)	Stratabound					
	Cataclastic					
	Paleokarst					
14. Phosphate¹ (Pho)	Organic phosphorite					
	Microchemical phosphorite					
	Continental phosphate					
15. Black shale (BSh)	Stratiform					
	Stockwork					

• Undifferentiated and unverified Uranium occurrence with no known resource estimation

▲ Undifferentiated Thorium deposit and occurrence from IAEA ThDEPO database

The Dep IDs are unique deposit identification numbers corresponding to the IAEA UDEPO database records. A deposit is defined as there is known to be a resource estimation undertaken. If the exact estimation is unknown, an estimated range is generated by IAEA. This is particularly so with unconventional resources¹ from which uranium is present at very low grades and/or only recoverable as a minor by-product using special processing techniques. Resources shown are not current remaining resources, but are the maximum of original geological resource, production figures or remaining resources at the lowest available cut-off grade. They include historic resources, and so may not be compliant with contemporary reporting standards and are not endorsed by IAEA as such. Where available, resource estimations for individual discrete ore zones are shown. Where this is not possible, some aggregation of resources are necessary. No economic or financial inferences with respect to recoverability of uranium are intended. The list of deposits is not exhaustive or current. There are 2831 deposits shown on the face of the map, but only those 102 greater than 100 000tU, or currently producing uranium, are named. Other deposits greater than 2500tU (863 deposits) are numbered, and along with larger or producing deposits, are listed below the map face. All other deposits (1866) 2500tU or less are only shown as symbols with no annotation but can be queried as described in https://helpx.adobe.com/acrobat/using/geospatial-pdfs.html.

Map Legend

- Populated place
- Railroad
- Road
- Country boundary²
- Fault trace

Lithology

- Metamorphic rocks
- Intrusive rocks
- Sedimentary and volcanic rocks
- Sedimentary rocks
- Tectonized rocks
- Volcanic and intrusive rocks
- Volcanic rocks

Era

- Holocene and Recent ice cap
- Cenozoic
- Mesozoic
- Paleozoic
- Neoproterozoic
- Mesoproterozoic
- Paleoproterozoic
- Proterozoic (undifferentiated)
- Archean and Proterozoic

Dep ID	Dep Name	Dep Type	Grid
0001	Abankor	Met	J3
0004	Timgaouine	Gran	J3
0005	Tinef	Met	J3
0006	Cerro Solo	Sst	F7
0011	Rodolfo	Sst	F6
0014	Angela	Sst	P6
0017	Ben Lomond	Volc	Q5
0018	Bennetts Well	Sst	O6
0019	Beverley	Sst	P6
0020	Bigrlyi	Sst	P6
0022	Centipede	Surf	P6
0029	Goulds Dam	Sst	P6
0032	Honeymoon	Sst	Q6
0033	Huarabagoo	Sst	P5
0034	Jabiluka 1	Unc	P5
0035	Junnagunna	Sst	P5
0036	Kintyre	Unc	P6
0037	Koongarra 1	Unc	P5
0038	Lake Maitland	Surf	P6
0041	Lake Way	Surf	P6
0043	Manyingee	Sst	O6
0044	**Mary Kathleen**	**Mso**	**Q6**
0047	Mount Gee	PBx	P6
0050	Nabarlek	Unc	P5
0051	Napperby	Surf	P6
0052	Nowthana	Surf	O6
0053	Olympic Dam	PBx	P6
0059	Ranger 68	Unc	P5
0060	Redtree	Sst	P5
0062	**Skal**	**Mso**	**P6**
0064	Thatcher Soak West	Surf	P6
0068	**Valhalla**	**Mso**	**P6**
0070	Warrior	Sst	P6
0073	Yeelirrie	Surf	O6
0075	Amorinopolis	Sst	G5
0077	**Espinharas**	**Mso**	**H5**
0078	Figueira	Sst	G6
0079	Gandarela	PQPC	G6
0080	Itataia-Santa Quiteria District	Met	H5
0082	Pocos De Caldas - Cercado	Int	G6
0083	Serra Das Gaivotas	PQPC	G6
0089	Eleshnitza District	Sst	K2
0104	Simitli	Sst	K2
0109	Agnew Lake	PQPC	E2
0112	Blizzard	Sst	D2
0113	Cigar Lake	Unc	D2
0116	Collins Bay A	Unc	D2
0117	Cluff Lake D	Unc	D2
0118	Dawn Lake	Unc	D2
0119	Denison Mine	PQPC	E2
0122	Eagle Point	Unc	D2
0124	**Gunnar**	**Mso**	**D2**
0126	Deilmann	Unc	D2
0127	Kiggavik Main	Unc	E1
0130	Madawaska	Int	F2
0132	Mcarthur River	Unc	D2
0133	Mcclean Lake Pods	Unc	D2
0134	**Michelin**	**Mso**	**G2**
0135	Midwest	Unc	D2
0136	Nordic	PQPC	E2
0137	Lacnor	PQPC	E2
0138	Panel Mine	PQPC	E2
0139	Spanish American	PQPC	E2
0141	Quirke	PQPC	E2
0142	Milliken	PQPC	E2
0143	Rabbit Lake	Unc	D2
0144	Raven	Unc	D2
0147	Stanleigh	PQPC	E2
0155	**Kitongo**	**Mso**	**J4**
0157	Beimianshi	Volc	O3
0160	Chanziping	Bsh	O3
0170	**Lianshanguan-Benxi Mine**	**Mso**	**P2**
0172	Nuheting	Sst	O2
0175	Chengzishan (381)	Sst	N3
0179	Xiazhuang District (16 deposits)	Gran	O3
0180	Xiangshan District (11 deposits)	Volc	O3
0181	Brevniste	Sst	J2
0184	Hamr North (Hamr I)	Sst	J2
0185	Horni Slavkov District (10 deposits)	Gran	J2
0186	Hvezdov	Sst	J2
0187	Jachymov District (12 mines)	Gran	J2
0191	Mimon	Sst	J2
0193	Olsi-Dranonin	Met	J2
0194	Osecna-Kotel	Sst	J2
0196	Rozna	Met	J2
0197	Straz	Sst	J2
0198	Vitkov II	Gran	J2
0200	Zadni Chodov	Gran	J2
0201	Kvanefjeld	Int	G1
0210	Bellezane	Gran	J2
0213	Coutras	Sst	J2
0220	Commanderie (La)	Gran	I2
0221	Bernardan (Le)	Gran	J2
0223	Chardon (Le)	Gran	I2
0225	Bois Noirs (Les)	Gran	J2
0231	Mas Lavayre	Sst	J2
0232	Margnac-Peny	Gran	J2
0239	Bagombé	Sst	J5
0242	Mounana	Sst	J5
0244	Oklo	Sst	J5
0247	Culmitzsch	Sst	J2
0248	Freital-Gittersee	LigCo	J2
0250	Johanngeorgenstadt	Gran	J2
0251	Koenigstein	Sst	J2
0255	Niederschlema-Alberoda ore field	Gran	J2
0257	Tellerhäuser	Gran	J2
0259	Zobes	Gran	J2
0261	Bhatin	Met	N3
0262	Domiasiat (KPN)	Sst	N3
0263	Jaduguda	Met	N3
0266	Narwapahar	Met	N3
0268	**Rohil**	**Mso**	**M3**
0269	Tummalapalle - Rachakuntapalle	Carb	M4
0270	Turamdih	Met	N3
0272	Wahkyn	Sst	N3
0273	Peddagattu	Unc	M4
0274	Remaja-Hitam	Met	O5
0277	Al Abiad-Al Wady	Pho	K3
0278	Al Hassa - Al Qatrana	Pho	K3
0279	Al Shedeye - Eshidia	Pho	K3
0280	Ruseifa	Pho	K3
0282	Tono District (4 Deposits)	Sst	P3
0283	Agashskoye	Met	M2
0285	Assarchik	Sst	M2
0286	Balkashinskoye	Volc	M2
0289	Botaburum	Volc	M2
0290	Budennovskoye 1, 3 & 4	Sst	M2
0291	Burlukskoye	Met	M2
0292	Chaglinskoye	Met	M2
0294	Daba	Volc	M2
0297	Dzhusandalynskoye	Gran	M2
0298	Dzhidely	Volc	M2
0299	Fevralskoye	Met	M2
0300	Glubinnoye	Met	M2
0301	Grachevskoye	Met	M2
0303	Inkai 1, 2 & 3	Sst	M2
0304	Irkol	Sst	M2
0305	Ishimskoye	Met	M2
0306	Kamyshevoye	Met	M2
0307	Kanzhugan	Sst	M2
0308	Karakoyn	Sst	M2
0309	Karamurun North	Sst	M2
0310	Karamurun South	Sst	M2
0311	Karyntarynskoye	Pho	L2
0313	Kharasan 1-North	Sst	M2
0315	Koldzhat	LigCo	N2
0321	Kyzylsay District (8 deposits)	Volc	M2
0323	Kyzyltu	Sst	M2
0326	Manybaiskoye	Volc	M2
0327	Melovoye	Pho	L2
0328	Moynkum Central	Sst	M2
0329	Mynkuduk East	Sst	M2
0330	Nizhneylyiskoye	LigCo	M2
0333	Semizbai	Sst	M2
0335	Shokhpak	Met	M2
0336	Sholak-Espe	Sst	M2
0338	Slavyanskoye	Met	M2
0339	Suluchekinskoye	Sst	M2
0342	Tasmurunskoye	Pho	L2
0344	Taybagarskoye	Pho	L2
0345	Tomakskoye	Pho	L2
0347	Uvanas	Sst	M2
0348	Victorovskoye	Met	M2
0349	Vostok	Met	M2
0352	Zarechnoye	Sst	M2
0353	Zaozernoye	Met	M2
0354	Zhalpak	Sst	M2
0355	Zhautkan	Sst	M2
0356	Zvyozdnoe	Met	M2
0357	Maylisay	Carb	M2
0358	Mailuu-Suu	Carb	M2
0360	Turakavak	LigCo	M2
0367	La Sierrita	Sst	E3
0371	Santo Domingo	Pho	D3
0372	Kayelekera	Sst	K5
0373	Dornod District (12 deposits)	Volc	O2
0374	Gurvanbulak Central Zone	Volc	O2
0375	Kharaat	Sst	O2
0379	Gantour Basin	Pho	I3
0380	Oulad Abdoun Basin	Pho	I3
0381	Meskala Basin	Pho	I3
0382	Oued Eddahab Basin	Pho	I3
0387	Klein Trekkopje	Surf	J6
0388	Langer Heinrich	Surf	J6
0390	Rossing	Int	J6
0391	Tumas	Surf	J6
0392	Valencia	Int	J6
0394	Ebba Nord	Sst	J4
0395	Ebba Sud	Sst	J4
0396	Akola	Sst	J4
0397	Akouta Nord	Sst	J4
0398	Akouta Sud	Sst	J4
0399	Ariege	Sst	J4
0401	Arlette	Sst	J4
0403	Artois	Sst	J4
0404	Abakorum	Sst	J4
0405	Imouraren	Sst	J4
0407	Tamou	Sst	J4
0408	Taza Nord	Sst	J4
0420	Rajsk	Bsh	K2
0428	Nisa	Gran	I3
0432	Urgeirica	Gran	I2
0435	Shinkolobwe-Kasolo	Met	K5
0439	Baita Bihor	Sst	K2
0445	Crucea	Met	K2
0447	Dobrei South	Sst	K2
0456	Tulghes-Grinties	Met	K2
0460	Antei	Volc	O2
0461	Argunskoye	Volc	O2
0463	Badyelskoye	LigCo	L1
0466	Belskoje	LigCo	K2
0468	Beryozovoye	Gran	O2
0469	Beshtaugorskoye	Volc	L2
0472	Briketno-Zheltuhinskoye	LigCo	K2
0474	Buyanovskoye	Sst	O2
0477	Bytuguchag	Gran	Q1
0479	Chaplinskoye	LigCo	S1
0482	Crystalnoye	Gran	O2
0483	Dalneye	Volc	O2
0484	Dobrovolnoye	Sst	M2
0485	Dolmatovskoye	Sst	M2
0486	**Druzhnoye**	**Mso**	**P2**
0487	Dybryn	Sst	O2
0492	Gornoye	Gran	O2
0493	Imskoye	Sst	O2
0494	**Interesnoye**	**Mso**	**P2**
0497	Karhu	Unc	K1
0500	Kedrovoye	Sst	N1
0503	Khiagdinskoye	Sst	O2
0504	Khokhlovskoye	Sst	M2
0505	Kolichikan	Sst	O2
0507	Koretkondinskoye	Sst	O2
0508	**Kosmozero**	**Mso**	**K1**
0513	Lastochka	Volc	P2
0515	Luchistoye	Volc	O2
0516	Malinovskoye	Sst	N2
0517	Malo-Tulukuevskoye	Volc	O2
0518	Martovskoye	Volc	O2
0520	Meridionalnoye	Sst	O2
0522	Namaru	Sst	O2
0524	Novogodneye	Volc	O2
0526	Oktyabrskoye	Volc	O2
0527	Olovskoye	Volc	O2
0528	Osenneye	Met	K1
0530	Prigorodnoye	Sst	N2
0531	Primorskoye	Sst	N2
0533	Pyatilentneye	Volc	O2
0534	Rodionovskoye	Surf	O2
0537	Repyevskoye	Carb	L2
0538	Rjabinovoye	Volc	N2
0539	Sanarskoye	Surf	M2
0544	Shirondukuevskoye	Volc	O2
0550	**Srednaya Padma**	**Mso**	**K1**
0551	Stepnovskoye	Pho	L2
0553	Stepnoye	Sst	O2
0555	Streltsovskoye	Volc	O2
0559	Tetrakhskoye	Sst	O2
0562	**Tsarevskoye**	**Mso**	**K1**
0564	Tulukuevskoye	Volc	O2
0566	Ust-Uyukskoye	Sst	N2
0568	Vershinnoye	Sst	O2
0573	Vitlandskoye	Surf	O2
0576	Yubileinoye	Volc	O2
0578	Yugo-Zapadnoye	Volc	O2
0580	Zheglovskoye	Sst	O2
0581	Zherlovoye	Volc	O2
0583	Zjulzinskoye	Sst	O2
0585	Blyvooruitzicht Tailings	PQPC	K6
0586	Buffelsfontein	PQPC	K6
0587	Chemwes-Stilfontein	PQPC	K6
0588	Driefontein Mine	PQPC	K6
0589	Free State Geduld	PQPC	K6
0590	Harmony	PQPC	K6
0591	Hartebeestfontein	PQPC	K6
0592	Loraine	PQPC	K6
0593	Phalabora	Int	K6
0594	President Brand Mine	PQPC	K6
0595	President Steyn	PQPC	K6
0597	Oryx Mine (Beatrix West Section)	PQPC	K6
0599	Western Rand Tailings	PQPC	K6
0600	Western Areas Mine	PQPC	K6
0601	Western Deep Levels Mine	PQPC	K6
0602	Western Holdings	PQPC	K6
0603	**Alio Ghelle**	**Mso**	**L4**
0604	Dusa Mareb-El Bur District	Surf	L4
0606	Zirovski Vrh	Sst	J2
0616	Mina Fe	Gran	I2
0618	Retortillo	Gran	I2
0622	Ranstad	Bsh	J2
0625	Bailik	Bsh	L2
0626	Sernoye	Sst	L2
0632	Yozgat-Sorgun	Sst	K3
0633	Adamivske	LigCo	K2
0638	Kalynivske	Int	K2
0642	**Michurinske**	**Mso**	**K2**
0646	**Pershotravneve**	**Mso**	**K2**
0648	Safonivske	Sst	K2
0649	**Severinivske**	**Mso**	**K2**
0651	**Vatutinske**	**Mso**	**K2**
0652	Yuzhnoye	Int	K2
0653	**Zhovtorichenske**	**Mso**	**K2**
0655	Alta Mesa	Sst	E3
0656	Alta Verde	Sst	E3
0657	Ambrosia Lake District (Dysart)	Sst	D3
0658	Anderson Mine	Volc	D3
0660	Bear Creek Mines	Sst	D2
0662	Bernabe-Montano District	Sst	D3
0663	Big Buck / Velvet	Sst	D3
0664	Big Eagle Phase2/Green Mountain	Sst	D2
0666	Marsland Big Red	Sst	D3
0670	Borrego Pass	Sst	D3
0675	Butler-Weddington	Sst	E3
0680	Central Florida District	Pho	E3
0683	Christensen Ranch	Sst	D2
0684	Churchrock - Section 4	Sst	D3
0686	Clay West	Sst	E3
0688	Copper Mountain	Gran	D2
0689	Crooks Gap District	Sst	D2
0690	Crow Butte	Sst	D2
0691	Crownpoint	Sst	D3
0694	Dewey-Burdock	Sst	D2
0695	East Florida District	Pho	E3
0696	East Gas Hills	Sst	D2
0699	Fernandez Main Ranch	Sst	D3
0701	Jackpot Mine	Sst	D2
0704	Hansen	Sst	D3
0710	Highland	Sst	D2
0711	Holiday-El Mesquite	Sst	E3
0713	Irigaray	Sst	D2
0716	Jackpile - Paguate	Sst	D3
0722	Kingsville Dome	Sst	E3
0723	L-Bar Ranch	Sst	D3
0724	La Jara Mesa	Sst	D3
0728	Lee	Sst	D3
0729	Deremo Mine	Sst	D3
0732	Long Park	Sst	D3
0735	Lucky Mc Mine	Sst	D2
0737	Mancos-Sections 7-12	Sst	D3
0738	Mariano Lake	Sst	D3
0743	Mi Vida	Sst	D3
0744	Midnite	Gran	D2
0745	Monogram Mesa	Sst	D3
0751	Mount. Taylor Mine	Sst	D3
0752	Narrow Canyon	Sst	D3
0756	North Butte / Brown Ranch	Sst	D2
0757	North Florida District	Pho	E3
0758	Northeast Florida District	Pho	E3
0763	Pandora	Sst	D3
0764	Panna Maria	Sst	E3
0767	Petrotomics / Dave	Sst	D2
0771	Pitch Mine	Met	D3
0775	West Reno Creek	Sst	D2
0776	Rhode Ranch District	Sst	E3
0777	Rio Puerco	Sst	D3
0781	Ruby	Sst	D3
0785	Saint Anthony/M-6	Sst	D3
0789	Schwartzwalder Mine	Met	D3
0792	Sherwood Mine	Sst	D2
0794	Shirley Basin Mine	Sst	D2
0796	Slick Rock District	Sst	D3
0797	Smith Ranch	Sst	D2
0798	South Florida District	Pho	E3
0799	South Morton Ranch	Sst	D2
0802	Sweetwater Mine	Sst	D2
0803	Taylor Ranch	Sst	D3
0805	Tony M	Sst	D3
0809	Atkinson Mesa District	Sst	D3
0810	Vanadium	Sst	D3
0812	West Gas Hills	Sst	D2
0813	West Largo	Sst	D3
0814	Whiskey Peak / Green Mountain	Sst	D2
0815	Agron	Sst	M3
0816	Aktau	Sst	M2
0817	Alatanga	Volc	M2
0818	Alendy	Sst	M2
0820	Aulbek	Sst	M2
0823	Beshkak	Sst	M2
0824	Bukinay North	Sst	M2
0826	Chauli	Volc	M2
0827	Dzhantuar	Bsh	M2
0828	Kenimekh	Sst	M2
0830	Kendyktjube	Sst	M2
0831	Ketmenchi	Sst	M3
0833	Lyavlyakan	Sst	M2
0835	Meylysai	Sst	M2
0836	Nagornoye	Sst	M3
0837	Rudnoye	Bsh	M2
0838	Sabyrsay	Sst	M3
0839	Severny Kanimekh	Sst	M2
0841	Shark	Sst	M3
0842	Sugraly	Sst	M2
0845	Tutlyinskaya	Sst	M3
0846	Uchkuduk	Sst	M2
0847	Ulus	Sst	M3
0849	Yuzhny Bukinai	Sst	M2
0851	Khe Hoa-Khe Cao	Sst	O4
0890	Tabelle	Sst	J4
0891	Taza Sud	Sst	J4
0892	Takriza	Sst	J4
0893	Tamgak	Sst	J4
0895	Marianne - Maryline	Sst	J4
0929	Church Rock - Section 8 and 17	Sst	D3
0930	Peach	Sst	D2
0932	Reynolds Ranch	Sst	D2
0942	Tortkuduk	Sst	M2
0947	Oobagooma-Yampi	Sst	P5
0948	91 Ranger 1 N°1	Unc	P5
0951	Jabiluka 2	Unc	P5
0952	Ranger 1 N°3	Unc	P5
0953	Oberschlema	Gran	J2
0955	Val Vedello	Volc	J2
0977	Prominent Hill	PBx	P6
0979	Nolans Bore	Int	P6
0981	Ace-Fay-Verna	Met	D2
0982	Andrew Lake	Unc	E1
0985	End Grid	Unc	E1
0988	Horseshoe	Unc	D2
0990	Millennium	Unc	D2
0992	P Patch Zone	Unc	D2
0994	Shea Creek-Anne	Unc	D2
0995	Shea Creek-Colette	Unc	D2
0996	Shea Creek-Kianna	Unc	D2
0998	Cluff Lake Dominique-Peter	Unc	D2
0999	Cluff Lake Dominique-Jeanine	Unc	D2
1000	Collins Bay B	Unc	D2
1003	Kiggavik Centre	Unc	E1
1006	Sue C	Unc	D2
1008	Sue E	Unc	D2
1010	Eldorado (Port Radium)	Met	D1
1012	Bagjata	Met	N3
1013	Banduhurang - Turamdih South	Met	N3
1030	Gogi	Gran	M4
1031	Chitrial	Unc	M4
1042	BJ Lake	Unc	D2
1051	Centennial	Unc	D2
1053	Charlebois Lake	Int	D2
1059	Dieter Lake	Bsh	F2
1075	**Jacques Lake**	**Mso**	**G2**
1077	Drope Lake - La Ronge	Int	D2
1078	Lac Cinquante	Met	E1
1082	Midwest A	Unc	D2
1083	Matoush	Sst	F2
1086	Roughrider	Unc	D2
1091	Mountain Lake	Sst	D1
1099	P2 Main	Unc	D2
1100	Paul Bay	Unc	D2
1110	Tamarack	Unc	D2
1120	Shihongtan	Sst	N2
1121	Zhaohuohao (396)	Sst	O3
1138	Allied Zones	Int	F2
1139	Apple	PQPC	F2
1143	Can-Met	PQPC	E2
1145	Eco Ridge Mine	PQPC	E2
1150	L	Sst	F2
1156	Stanrock	PQPC	E2
1162	Veznice	Met	J2
1165	Luena Basin	LigCo	K5
1166	Musonoi Extension	Met	K5
1168	Siwaqa	Surf	K3
1169	Akdala	Sst	M2
1176	Falea	Sst	I4
1178	Khairkhan	Sst	O2
1179	Ulaan Nuur	Sst	O2
1180	Aussinanis	Surf	J6
1181	Anomaly A (Etango)	Int	J6
1184	Marenica	Surf	J6
1185	Trekkopje	Surf	J6
1187	Arcadie	Sst	J4
1191	Nord Somair	Sst	J4
1192	Taossa	Sst	J4
1193	Teguidda (Ir, G, T)	Sst	J4
1195	Yuti	Sst	G6
1196	Corachapi	Volc	F5
1198	Kemchug	Volc	N2
1200	Ghurayyah	Int	K3
1203	Kuriskova	Volc	K2
1204	Novoveska Huta	Volc	K2
1209	Denny Dalton	PQPC	K6
1210	Dominion Reefs	PQPC	K6
1211	Ezulwini	PQPC	K6
1212	Rietkuil	PQPC	K6
1213	Ryst Kuil	Sst	K6
1214	Springbok Flats	LigCo	K6
1215	Gambuta	Gran	I3
1218	Duobblon	Volc	J1
1225	Tasjo District	Pho	J1
1231	Dibwe	Sst	K5
1235	Mutanga Main	Sst	K5
1237	Njame	Sst	K5
1238	**Severnoye**	**Mso**	**P2**
1239	**Tsentralne**	**Mso**	**K2**
1240	**Novokostyantynivske**	**Mso**	**K2**
1241	**Pidhajtsivske**	**Mso**	**K2**
1247	Abeta	PQPC	E2
1248	Banana Lake	PQPC	E2
1253	Gaertner	Unc	D2
1254	Millaqua	PQPC	E2
1255	Silvermaque	PQPC	E2
1258	Serule Nw	Sst	K6
1267	Firawa	Met	I4
1268	Kanyika	Int	K5
1269	Garnet Valley	Int	J6
1270	Namib Park	Surf	J6
1272	Oryx (Tumas 3)	Surf	J6
1277	Beisa North	PQPC	K6
1279	Cooke / Old Randfontein Tailings	PQPC	K6
1280	East Rand Consolidated Tailing	PQPC	K6
1284	Potchefstroom Goldfield	PQPC	K6
1285	Southern Free State (4 deposits)	PQPC	K6
1286	Vaal River Tailings	PQPC	K6
1290	Nyota	Sst	K5
1298	North Shore Double S Zone	Int	F2
1299	North Shore Middle Zone	Int	F2
1300	North Shore Tj Zone	Int	F2
1303	Chuquicamata	Int	F6
1307	Oshively	Int	J6
1311	MMS Vicken	Bsh	J1
1313	Sw Reno Creek	Sst	D2
1316	Four Mile East	Sst	P6
1317	Dawson-Hinkler	Surf	P6
1319	Windimurra	Surf	O6
1327	Blackbush	Sst	P6
1329	E1 North & South	PBx	Q6
1330	Four Mile West	Sst	P6
1331	Hillview	Surf	O6
1339	Araxa	Int	G5
1342	Olinda	Pho	H5
1343	Pitinga	Int	F5
1347	Amer Lake- Main Zone	Sst	E1
1351	Moran Lake C Zone	Met	F2
1358	Phoenix	Unc	D2
1359	Pama	Pho	K4
1360	Pato	Pho	K4
1361	Patricia	Pho	K4
1367	Sierra Gorda	Int	F6
1368	Chengxian Mine	Bsh	O3
1370	Lantian Mine	Gran	O3
1374	Saima	Int	P2
1377	Berlin	Sst	F4
1378	Brzkov	Met	J2
1383	Pecs	Sst	J2
1390	Tyuya-Muyum	Carb	M2
1395	San Juan De La Costa	Pho	D3
1397	Turgen District	Volc	O2
1398	Ugtam	Volc	O2
1400	**Inca**	**Mso**	**J6**
1401	Imca 25	Sst	J4
1402	Irhawenzegirhan	Sst	J4
1406	Isakanan	Sst	J4
1408	Taunsa	Sst	M3
1409	Colibri 2 & 3	Volc	F5
1413	Abu Tartur	Pho	K3
1414	Akashat	Pho	K3
1415	**Elkon**	**Mso**	**P2**
1416	**Elkonskoe Plateau**	**Mso**	**P2**
1417	**Kurung**	**Mso**	**P2**
1419	Kopanang Mine	PQPC	K6
1421	Sageras-Zona M	Gran	I2
1424	Palmira District	Pho	K3
1429	Antelope	Sst	D2
1431	Aurora	Volc	D2
1432	Bingham Canyon	Int	D2
1433	Black Jack 1 & 2	Sst	D3
1443	**Coles Hill North**	**Mso**	**F3**
1444	**Coles Hills South**	**Mso**	**F3**
1461	Hank Unit	Sst	D2
1462	Hosta Butte	Sst	D3
1465	Juan Tafoya	Sst	D3
1467	Kings Valley	Volc	D2
1468	Los Quatros	Volc	D3
1469	Lost Creek	Sst	D2
1470	Lost Soldier	Sst	D2
1471	Marquez	Sst	D3
1479	Section 22 (New Mexico)	Sst	D3
1480	Section 23 (New Mexico)	Sst	D3
1481	Section 24 (New Mexico)	Sst	D3
1485	Section 30 (New Mexico)	Sst	D3
1489	Sheep Mountain	Sst	D2
1494	Velvet-Wood Mines	Sst	D3
1495	Virgin Valley	Volc	D2
1503	Tabhing Area	Sst	O4
1505	Malundwe	Met	K5
1508	Double 8	Sst	P6
1515	Lujing District (5 deposits)	Gran	O3
1517	Qianjiadian (2 deposits)	Sst	P2
1520	Serres Basin	LigCo	K2
1521	Inkai South-4	Sst	M2
1525	Onkelo	Int	J6
1526	Bayovar	Pho	E5
1527	**Neprokhodimoye**	**Mso**	**P2**
1532	Goliad	Sst	E3
1534	Hack Canyon 2	CBx	D3
1542	Budennovskoye 2	Sst	M2
1543	Ambassador	LigCo	P6
1544	Emperor	LigCo	P6
1546	Gorgon Main	Sst	K6
1547	Kraken	Sst	K6
1548	Husab - Zone 1	Int	J6
1549	Husab - Zone 2	Int	J6
1550	Shanawah	Sst	M3
1554	Negev Desert District	Pho	K3
1562	Beatrix	PQPC	K6
1563	Kloof Tailings	PQPC	K6
1564	South Deep Mine (Underground)	PQPC	K6
1565	Cooke 1, 2 & 3/Old Randfontein	PQPC	K6
1568	Barber	Sst	D2
1569	Boyer	Sst	D3
1571	Coyote Basin	LigCo	D2
1575	Noah	Sst	D3
1576	North West Taylor	Sst	D3
1579	Ross	Sst	D2
1582	Roca Honda Mine	Sst	D3
1583	Attarat-Wadi Maghar	Pho	K3
1585	Gachin	Surf	L3
1590	Toongi	Int	Q6
1591	Beerwalde-Korbussen	Bsh	J2
1592	Bernsbach	Gran	J2
1596	Crimmitschauer Fault Zone	Bsh	J2
1597	Drosen	Bsh	J2
1601	Gera Sud	Sst	J2
1604	Kyhna - Schenkenberg	Volc	J2
1605	Lichtenberg	Bsh	J2
1607	Paitzdorf	Bsh	J2
1609	Prehna	Bsh	J2
1611	Schmirchau - Reust	Bsh	J2
1619	Zeitz - Baldenhain	Bsh	J2
1620	Kaynar	Sst	M2
1622	Kharasan 2-South	Sst	M2
1623	Moynkum South	Sst	M2
1624	Mynkuduk Central	Sst	M2
1625	Mynkuduk West	Sst	M2
1626	Chubu	Bsh	P3
1628	Gumsan	Bsh	P3
1632	Yokwang	Bsh	P3
1636	Takardeit	Sst	J4
1637	Tin Negouran	Sst	J4
1641	**Zona Pologaya**	**Mso**	**P2**
1652	Cappers	Surf	P6
1653	Archontovounis	Gran	K2
1656	Alameda	Gran	I2
1659	Haggan	Bsh	J1
1662	Husab - Zone 3	Int	J6
1664	Husab - Zone 4	Int	J6
1665	Great Nolingwa Mine	PQPC	K6
1666	Moab Khotsong	PQPC	K6
1667	Mponeng	PQPC	K6
1671	Majuelos	Gran	I2
1675	Tubas Red Sand	Surf	J6
1694	Carley Bore	Sst	O6
1695	**Odin**	**Mso**	**P6**
1696	Gorgon West	Sst	K6
1697	Gorgon South	Sst	K6
1699	Catalao	Int	G5
1700	Drucourt Zone	Int	F2
1702	J Zone	Unc	D2
1703	Kolmisoppi	Bsh	K1
1704	Kuusilampi	Bsh	K1
1708	Khan Azzabib	Surf	K3
1709	Sadyrnynskoye	Pho	L2
1710	Hyena	Int	J6
1711	Ondjamba	Int	J6
1712	Miriam	Sst	J4
1713	Isivilla	Volc	F5
1715	Tantamaco	Volc	F5
1717	Jabal Sayid	Int	L3
1725	Phosphoria Formation	Pho	D2
1742	MML-E	Sst	J2
1743	Tuyuk-Suu	LigCo	M2
1755	Carrapateena	PBx	P6
1757	Pepegoona	Sst	P6
1759	San Hilario	Pho	D3
1761	Tembabiche	Pho	D3
1762	UF1	Pho	D3
1763	Glibat Lafhouda	Int	I3
1764	Twihinate	Int	I3
1765	De Bron	PQPC	K6
1767	Riet Kuil	Sst	K6
1768	Guanaco	Surf	F7
1770	Plumbush	Sst	P6
1772	Serule W	Sst	K6
1774	Radomiro Tomic	Int	F6
1775	**A 238**	**Mso**	**I3**
1776	Ain Sder C1-CJ-CR	Surf	I3
1777	Oued El Foule East	Surf	I3
1778	Oum Ferkik L-K	Surf	I3
1780	Ongolo	Int	J6
1781	Husab - Zone 5	Int	J6
1782	Al Jalamid	Pho	L3
1783	East Ebro Valley (5 deposits)	LigCo	I2
1784	Temrezli	Sst	K3
1791	**Bikini**	**Mso**	**P6**
1793	Millipede	Surf	P6
1796	Rio Cristallino	Sst	G5
1797	Pecors East	PQPC	E2
1798	MA 7	Int	J6
1799	Namibplass	Int	J6
1803	Dulaan Uul	Sst	O2
1805	Lubin-Sieroszowice	Bsh	J2
1810	Congo Pit	Sst	D2
1819	Todilto District	Carb	D3
1821	Igarape Bahia	PBx	G5
1822	Salobo	PBx	G5
1823	Sossego	PBx	G5
1824	J4/Ray	Met	E1
1826	Zoovch Ovoo	Sst	O2
1829	Ranger Deeps	Unc	P5
1830	Illimaussaq Zone 3	Int	G1
1831	Gabbal Guttar	Gran	K3
1836	Manyoni District-Zone C 1	Surf	K5
1844	Theseus	Sst	P6
1846	Frazer Lake-Zone B	Int	D2
1849	Guyuan	Volc	O3
1850	Hechaokeng	Gran	O2
1851	Kujiertai	Sst	N2
1854	Pannikan	Sst	P6
1855	Pepegoona West	Sst	P6
1856	Buckton Zone	Bsh	D2
1858	Taoshan	Gran	O3
1859	La Banane	Sst	J4
1864	Msne	Sst	J4
1866	Oak Dam	Sst	P6
1868	Maoyangtuo (570)	Met	O3
1869	Wukuerqi	Sst	N2
1872	Plouznice	Sst	J2
1874	Sorensen	Int	G1
1878	Dwaima	Pho	K3
1879	Ethna	Pho	K3
1880	Hirri	Pho	L3
1881	H 3	Pho	K3
1882	Marbat	Pho	L3
1883	Swab	Pho	K3
1885	Ulzitt	Sst	O2
1886	Dajy	Sst	J4
1887	Dasa 1, 2 & 3	Sst	J4
1891	Marby	Bsh	J1
1894	Minjingu	Pho	K5
1911	Kendrick	Sst	D2
1913	Lisbon Mine	Sst	D3
1922	North Reno Creek	Sst	D2
1923	Nose Rock	Sst	D3
1936	Twin Butte	Int	D3
1938	White Canyon District	Sst	D3
1939	Yerington	Int	D3
1941	Buckton South	Bsh	D2
1942	Canuc Zone	PQPC	E2
1943	Milo	PBx	Q6
1945	Gemico Block 3	PQPC	E2
1946	Gemico Block 10	PQPC	E2
1947	Triple R	Unc	D2
1948	Teasdale Lake Zone	PQPC	E2
1949	Bayinwula	Sst	O2
1951	Shashagetai	Sst	O3
1952	Sunjialiang	Sst	O3
1955	Z 20	Int	J6
1956	Armelle	Sst	J4
1957	Tamani	Sst	J4
1958	Tamgak Deep	Sst	J4
1959	Taverse	Sst	J4
1960	Bloemhoek	PQPC	K6
1961	Cooke 4 (Gauteng)	PQPC	K6
1967	Chattanooga Shale Formation	Bsh	E3
1969	Dibwe East	Sst	K5
1971	Northern Great Plains	LigCo	D2
1972	Happy Valley 2-15	Int	J6
1973	Happy Valley 18	Int	J6
1978	West Rand Tailings (Wrtrp)	PQPC	K6
1979	West Witts Tailings (13 Tailings)	PQPC	K6
1980	Narke	Bsh	J2
1988	Palua	Sst	O4
1989	Parong	Sst	O4
1990	Tebessa District	Pho	J3
1991	Fosse-Pamela	Pho	K4
1992	El Sebaeya East	Pho	K3
1993	Red Sea District	Pho	K3
1994	Chatham Rise	Pho	R7
1995	Gafsa-Metlaoui District	Pho	J3
1996	Binh Duong	Pho	O3
1998	Nong Son	LigCo	O4
2000	Monument Valley District	Sst	D3
2002	Fab Trend	Sst	D2
2007	Billeroo	Sst	P6
2008	Brooks Dam	Sst	Q6
2009	Four Mile North-East	Sst	P6
2029	Arrow	Unc	D2
2032	Gryphon	Unc	D2
2034	Mann Lake	Unc	D2
2040	**Léré**	**Mso**	**J4**
2041	Motzfeldt	Int	G1
2047	La Terraza	Volc	F6
2053	Terraza North	Volc	F6
2054	Tigre I	Volc	F6
2845	Stilfontein	PQPC	K6
4176	Treviels	Sst	J2
4192	Baltoscandia District	Bsh	K2
4196	Kok Moinok	Gran	M2
4198	Aghracha	Surf	I3
4199	Drag-Al Farnane	Int	I3
4202	Tarfaya Basin	Bsh	I3
4203	Timahdit Basin	Bsh	I3
4204	Welwitschia Flats	Surf	J6
4210	Chilcuno Chico	Volc	F5
4212	Quebradra Blanca	Volc	F5
4221	Al Khabra	Pho	K3
4222	Umm Wu'Al	Pho	K3
4223	Blyvooruitzicht Mine	PQPC	K6
4224	Daggafontein Mine	PQPC	K6
4226	Doornfontein	PQPC	K6
4228	Driefontein Tailings	PQPC	K6
4236	Ergo	PQPC	K6
4238	Freddies	PQPC	K6
4241	Luipaardsvlei	PQPC	K6
4243	Vaal Reefs Mine	PQPC	K6
4244	Virginia	PQPC	K6
4250	West Rand Consolidated Mine	PQPC	K6
4258	Cliffside Mine	CBx	D3
4261	Round Top	Int	D3
4265	Pilanesberg - Ledig Zone	Int	K6
4266	Krasnoselskoye	Bsh	K2
4267	Kotlovskoye	Bsh	K2
4268	Durban (Roodeport) Deep	PQPC	K6
4269	Kosachinoye	Met	M2
4270	El Sebaeya West	Pho	K3
4271	Mecsec Mine	Sst	J2
4272	Saaiplaas	PQPC	K6
4273	Deelkrall	PQPC	K6
4274	Mabounie	Int	J5
4275	Jeanette	PQPC	K6
4276	Fox Lake	Unc	D2
4277	Bytiz 4, 22-40	Gran	J2
4278	**Engenho**	**Mso**	**G5**
4279	Smaldeel	PQPC	K6
4280	Afrikander	PQPC	K6
4281	**Zheltorechenske**	**Mso**	**K2**
4282	**Da Rabicha**	**Mso**	**G5**
4283	Hamr South (Hamr II)	Sst	J2
4284	Bukinay South	Sst	M2
4285	Cristalino	PBx	G5
4286	Khamsin	PBx	P6
4287	**Cachoeira**	**Mso**	**G5**
4288	Kalbasfontein	PQPC	K6
4289	**Litne**	**Mso**	**K2**
4290	Balkovskoye	Pho	L2
4291	Mengqiguer 2	Sst	N2
4292	Zuurbekom	PQPC	K6
4293	Ebene	Sst	J4
4294	**Modesto**	**Mso**	**G5**
4295	Elandsrand	PQPC	K6
4296	Aquelt Assfaya	Surf	I3
4297	Ernest Henry	PBx	Q6
4298	Hakkies	PQPC	J6
4299	Phoenix	PQPC	K6
4300	Puissagtaq	Gran	G1
4301	Sutherland 2	Sst	K6
4302	Juzkuduk	Sst	M3
4303	Lesetice	Gran	J2
4304	Rhenosterroek	PQPC	K6
4305	Ergo Tailings	PQPC	K6
4306	Middle Dome	Int	J6
4307	Zvezdnoye	Met	M2
4308	Banadungri-Sinidungri	Met	N3
4309	Area 1 East	PQPC	K6
4310	Doornrivier	PQPC	K6
4311	Bofal-Loubboira	Pho	I4
4312	Alemao	PBx	G5
4313	Zhuravlinoye	Volc	O2
4314	Holicky	Sst	J2
4315	**Hnativske**	**Mso**	**K2**
4316	**Yuriivske**	**Mso**	**K2**
4317	**Partyzanske**	**Mso**	**K2**
4318	**Pivdennokonoplyanske**	**Mso**	**K2**
4319	**Pivnichnokonoplyanske**	**Mso**	**K2**
4320	**Dokuchaevske**	**Mso**	**K2**
4321	**Kvitneve**	**Mso**	**K2**
4322	**Schorsivske**	**Mso**	**K2**
4323	**Lelekivske**	**Mso**	**K2**
4324	**Hannivka**	**Mso**	**K2**
4325	**Lisne**	**Mso**	**K2**
4326	**Kremenchugske**	**Mso**	**K2**
4327	Jeruzalem	Gran	J2
4328	Melkraals	PQPC	J6
4329	Grootvlei Tailings	PQPC	K6
4330	Baimadong	Carb	O3
4331	Kareeport	Sst	K6
4332	Fochville	PQPC	K6
4333	Krizani	Sst	J2
4334	Boztauskaya	Bsh	M2
4335	Tushinskoye	Met	M2
4336	Mestena Grande	Sst	E3
4337	Haanekuil	Sst	K6
4338	Vermeulenskraal North	PQPC	K6
4339	Moab Extension	PQPC	K6
4340	Sarydjaz	Bsh	M2
4341	Robijn	PQPC	K6
4342	Salem	Int	J6
4343	Elandsfontein	Sst	K6
4344	Tshepong	PQPC	K6
4345	Phakisa	PQPC	K6
4346	Brod	Gran	J2
4347	Weltevreden	PQPC	K6
4348	Pocos De Caldas-Agostino	Int	G6
4349	Graben	Sst	F7
4350	Kyzyl	Volc	M2
4351	**Das Quebradas**	**Mso**	**G5**
4352	**Laranjeiras**	**Mso**	**G5**
4353	Prudovoye	Pho	L2
4354	Buratinskoye South	Pho	L2
4355	Bagaburulskoye NE	Pho	L2
4356	Kharabulukskoye North	Pho	L2
4357	Bagaburulskoye	Pho	L2
4358	Nugrinskoye	Pho	L2
4359	Bogorodskoye	Pho	L2
4360	Shargadykskoye	Pho	L2
4361	Yashkulskoye	Pho	L2
4362	Centralnoye	Pho	L2
4363	Troitskoye	Pho	L2
4364	Abou Skhair	Carb	L3
4365	Wangjiachong	Sst	O3
4366	Sirotininsk	Sst	O2
4367	Smolenskoye	Sst	N2
4368	Chasovoye	Gran	O2
4369	Korolevskoye	Gran	O2
4370	Bystroye	Sst	N2
4371	Bashibulak	Sst	M3
4372	Nekrakovskoye	Pho	L2
4373	Vranov	Sst	J2
4374	Srni Potok	Sst	J2
4375	Pavlin	Sst	J2
4376	Xinwu Basin (5 deposits)	Sst	O3
4377	Arnold	Sst	J4
4378	Aride	Sst	J4
4379	Yarkuduk	Sst	M3
4380	Istiklol	Sst	M2
4381	Wuhisan	Sst	N2
4382	Wuhier	Sst	N2
4383	North Tamdinskaya	Bsh	M2
4384	Wuyiyi	Sst	N2
4385	Baxingtu	Sst	P2
4386	Kenze	Sst	M2
4387	**Likhmanovske**	**Mso**	**K2**
4388	**YGOK**	**Mso**	**K2**
4389	**Stetchovskaya**	**Mso**	**K2**
4390	**Krasnogvardeiske**	**Mso**	**K2**
4391	**Annovske**	**Mso**	**K2**
4392	**Kirovskii**	**Mso**	**K2**
4393	**Stankovatskaya**	**Mso**	**K2**
4394	**Kurnikoskoye-W**	**Mso**	**K2**
4395	**Stepne**	**Mso**	**K2**
4396	**Novopavdovske**	**Mso**	**K2**
4397	**Manuiylivske**	**Mso**	**K2**
4398	**Steblevskaya**	**Mso**	**K2**
4399	**Podgaitsevskoye**	**Mso**	**K2**
4400	**Andriiivske**	**Mso**	**K2**
4401	**Kohanivske**	**Mso**	**K2**
4402	Rand Proprietary M Tailings	PQPC	K6
4403	Honghaigou	Sst	N2
4404	Tamdikuduk-Tulyantashkaya	Sst	M3
4405	Masimong	PQPC	K6
4406	South Deep Mine (Tailings)	PQPC	K6
4407	Vredefort	PQPC	K6
4408	Gurvanbulak Intermediate Zone	Volc	O2
4409	Plateau West	Sst	F7
4410	Fraserburg 2	Sst	K6
4411	Fraserburg	Sst	K6
4412	Mazarete Extension W (Zona II)	Sst	I2
4413	Pirna	Sst	J2
4414	Tierhoek	Sst	K6
4415	Vermeulenskraal	PQPC	K6
4416	St Helena Tailings	PQPC	K6

WORLD DISTRIBUTION OF METAMORPHITE URANIUM DEPOSITS

IAEA International Atomic Energy Agency

SECOND EDITION: 2018

Scale 1: 35 000 000

Kilometres 500 0 500 1,000 1,500 2,000 Kilometres

Mercator Projection: Central Meridian 10°

Map production by M.C. Fairclough (IAEA), J.A. Irvine (Australia), L.F. Katona (Australia) and W.L. Slimmon (Canada). World Distribution of Uranium Deposits, International Atomic Energy Agency, Vienna, Austria. Cartographic assistance was supplied by the Geological Survey of South Australia, the Saskatchewan Geological Survey and United States Geological Survey to the IAEA.

Deposit data derived from IAEA UDEPO (http://infcis.iaea.org/UDEPO/About.cshtml) database with assistance from P. Bruneton (France), M. Mihalasky (U.S.A.), M. Cuney (France), M. Aranha (IAEA), O. Pylypenko (IAEA) and K. Poliakovska (IAEA). The map is an updated companion to "World Distribution of Uranium Deposits (UDEPO) with Uranium Deposit Classification, IAEA Tech-Doc-1629" and "World Distribution of Uranium Deposits (UDEPO) 2016 Edition, IAEA Tec-Doc in-preparation". Map data is current to beginning 2017.

Geology was derived from L.B. Chorlton, Generalized Geology of the World, Geological Survey of Canada, Open File 5529, 2007 under Open Government Licence - Canada (http://data.gc.ca/eng/open-government-licence-canada)

Coastlines and drainage were obtained from Natural Earth public domain vector map data (http://www.naturalearthdata.com/about/terms-of-use). Country boundaries are from the United Nations² (http://www.un.org/Depts/Cartographic/english/htmain.htm). The use of particular designations of countries or territories does not imply any judgement by the publisher, the IAEA, as to the legal status of such countries or territories, of their authorities and institutions or of the delimitation of their boundaries. Dotted line represents approximately the Line of Control in Jammu and Kashmir agreed upon by India and Pakistan. The final status of Jammu and Kashmir has not yet been agreed upon by the parties. Final boundary between the Republic of Sudan and the Republic of South Sudan has not yet been determined.

Deposit Type	Deposit Subtype	Deposit Size (tU original or produced+remaining resource) < 1 000	1 001 - 5 000	5 001 - 25 000	25 001 - 100 000	> 100 000
1. Intrusive (Int)	Anatectic					
	Plutonic¹					
2. Granite-related (Gran)	Endogranitic					
	Perigranitic					
3. Polymetallic Fe oxide breccia complex¹ (PBx)						
4. Volcanic-related (Volc)	Stratabound					
	Structure-bound					
	Volcano-sedimentary					
5. Metasomatite (Mso)	Na-metasomatite					
	K-metasomatite					
	Skarn					
6. Metamorphite (Met)	Stratabound					
	Structure-bound					
	Marble-hosted					
7. Proterozoic unconformity (Unc)	Unconformity-contact					
	Basement-hosted					
	Stratiform fracture-controlled					
8. Collapse breccia pipe (CBx)						
9. Sandstone (Sst)	Basal channel					
	Tabular					
	Roll-front					
	Tectonic-lithologic					
	Mafic dykes/sills					
10. Paleo quartz-pebble conglomerate (PQPC)	U-dominant					
	Au-dominant¹					
11. Surficial (Surf)	Peat-bog					
	Fluvial valley					
	Lacustrine-playa					
	Pedogenic and fracture fill					
12. Lignite-coal¹ (LigCo)	Stratiform					
	Fracture controlled					
13. Carbonate (Carb)	Stratabound					
	Cataclastic					
	Paleokarst					
14. Phosphate¹ (Pho)	Organic phosphorite					
	Microchemical phosphorite					
	Continental phosphate					
15. Black shale (BSh)	Stratiform					
	Stockwork					

· Undifferentiated and unverified Uranium occurrence with no known resource estimation

▲ Undifferentiated Thorium deposit and occurrence from IAEA ThDEPO database

The Dep IDs are unique deposit identification numbers corresponding to the IAEA UDEPO database records. A deposit is defined as there is known to be a resource estimation undertaken. If the exact estimation is unknown, an estimated range is generated by IAEA. This is particularly so with unconventional resources¹ from which uranium is present at very low grades and/or only recoverable as a minor by-product using special processing techniques. Resources shown are not current remaining resources, but are the maximum of original geological resource, production figures or remaining resources at the lowest available cut-off grade. They include historic resources, and so may not be compliant with contemporary reporting standards and are not endorsed by IAEA as such. Where available, resource estimations for individual discrete ore zones are shown. Where this is not possible, some aggregation of resources are necessary. No economic or financial inferences with respect to recoverability of uranium are intended. The list of deposits is not exhaustive or current. There are 2831 deposits shown on the face of the map, but only those 102 greater than 100 000tU, or currently producing uranium, are named. Other deposits greater than 2500tU (863 deposits) are numbered, and along with larger or producing deposits, are listed below the map face. All other deposits (1866) 2500tU or less are only shown as symbols with no annotation but can be queried as described in https://helpx.adobe.com/acrobat/using/geospatial-pdfs.html.

Map Legend

- Populated place
- Railroad
- Road
- Country boundary²
- Fault trace

Lithology

- Metamorphic rocks
- Intrusive rocks
- Sedimentary and volcanic rocks
- Sedimentary rocks
- Tectonized rocks
- Volcanic and intrusive rocks
- Volcanic rocks

Era

- Holocene and Recent ice cap
- Cenozoic
- Mesozoic
- Paleozoic
- Neoproterozoic
- Mesoproterozoic
- Paleoproterozoic
- Proterozoic (undifferentiated)
- Archean and Proterozoic

Dep ID	Dep Name	Dep Type	Grid
0001	**Abankor**	**Met**	**J3**
0004	Timgaouine	Gran	J3
0005	**Tinef**	**Met**	**J3**
0006	Cerro Solo	Sst	F7
0011	Rodolfo	Sst	F6
0014	Angela	Sst	F6
0017	Ben Lomond	Volc	Q5
0018	Bennetts Well	Sst	O6
0019	Beverley	Sst	P6
0020	Bigrlyi	Sst	P6
0022	Centipede	Surf	P6
0029	Goulds Dam	Sst	P6
0032	Honeymoon	Sst	Q6
0033	Huarabagoo	Sst	P5
0034	Jabiluka 1	Unc	P5
0035	Junnagunna	Sst	P5
0036	Kintyre	Unc	P6
0037	Koongarra 1	Unc	P5
0038	Lake Maitland	Surf	P6
0041	Lake Way	Surf	P6
0043	Manyingee	Sst	O6
0044	Mary Kathleen	Mso	Q6
0047	Mount Gee	PBx	P6
0050	Nabarlek	Unc	P5
0051	Napperby	Surf	P6
0052	Nowthana	Surf	O6
0053	Olympic Dam	PBx	P6
0059	Ranger 68	Unc	P5
0060	Redtree	Sst	P5
0062	Skal	Mso	P6
0064	Thatcher Soak West	Surf	P6
0068	Valhalla	Mso	P6
0070	Warrior	Sst	P6
0073	Yeelirrie	Surf	O6
0075	Amorinopolis	Sst	G5
0077	Espinharas	Mso	H5
0078	Figueira	Sst	G6
0079	Gandarela	PQPC	G6
0080	**Itataia-Santa Quiteria District**	**Met**	**H5**
0082	Pocos De Caldas - Cercado	Int	G6
0083	Serra Das Gaivotas	PQPC	G6
0089	Eleshnitza District	Sst	K2
0104	Simitli	Sst	K2
0109	Agnew Lake	PQPC	E2
0112	Blizzard	Sst	D2
0113	Cigar Lake	Unc	D2
0116	Collins Bay A	Unc	D2
0117	Cluff Lake D	Unc	D2
0118	Dawn Lake	Unc	D2
0119	Denison Mine	PQPC	E2
0122	Eagle Point	Unc	D2
0124	Gunnar	Mso	D2
0126	Deilmann	Unc	D2
0127	Kiggavik Main	Unc	E1
0130	Madawaska	Int	F2
0132	Mcarthur River	Unc	D2
0133	Mcclean Lake Pods	Unc	D2
0134	Michelin	Mso	G2
0135	Midwest	Unc	D2
0136	Nordic	PQPC	E2
0137	Lacnor	PQPC	E2
0138	Panel Mine	PQPC	E2
0139	Spanish American	PQPC	E2
0141	Quirke	PQPC	E2
0142	Milliken	PQPC	E2
0143	Rabbit Lake	Unc	D2
0144	Raven	Unc	D2
0147	Stanleigh	PQPC	E2
0155	Kitongo	Mso	J4
0157	Beimianshi	Volc	O3
0160	Chanziping	Bsh	O3
0170	Lianshanguan-Benxi Mine	Mso	P2
0172	Nuheting	Sst	O2
0175	Chengzishan (381)	Sst	N3
0179	Xiazhuang District (16 deposits)	Gran	O3
0180	Xiangshan District (11 deposits)	Volc	O3
0181	Brevniste	Sst	J2
0184	Hamr North (Hamr I)	Sst	J2
0185	Horni Slavkov District (10 deposits)	Gran	J2
0186	Hvezdov	Sst	J2
0187	Jachymov District (12 mines)	Gran	J2
0191	Mimon	Sst	J2
0193	**Olsi-Dranonin**	**Met**	**J2**
0194	Osecna-Kotel	Sst	J2
0196	**Rozna**	**Met**	**J2**
0197	Straz	Sst	J2
0198	Vitkov II	Gran	J2
0200	Zadni Chodov	Gran	J2
0201	Kvanefjeld	Int	G1
0210	Bellezane	Gran	J2
0213	Coutras	Sst	J2
0220	Commanderie (La)	Gran	J2
0221	Bernardan (Le)	Gran	I2
0223	Chardon (Le)	Gran	I2
0225	Bois Noirs (Les)	Gran	J2
0231	Mas Lavayre	Sst	J2
0232	Margnac-Peny	Gran	J2
0239	Bagombé	Sst	J5
0242	Mounana	Sst	J5
0244	Oklo	Sst	J5
0247	Culmitzsch	Sst	J2
0248	Freital-Gittersee	LigCo	J2
0250	Johanngeorgenstadt	Gran	J2
0251	Koenigstein	Sst	J2
0255	Niederschlema-Alberoda ore field	Gran	J2
0257	Tellerhäuser	Gran	J2
0259	Zobes	Gran	J2
0261	**Bhatin**	**Met**	**N3**
0262	Domiasiat (KPN)	Sst	N3
0263	**Jaduguda**	**Met**	**N3**
0266	**Narwapahar**	**Met**	**N3**
0268	Rohil	Mso	M3
0269	Tummalapalle - Rachakuntapalle	Carb	M4
0270	**Turamdih**	**Met**	**N3**
0272	Wahkyn	Sst	N3
0273	Peddagattu	Unc	M4
0274	**Remaja-Hitam**	**Met**	**O5**
0277	Al Abiad-Al Wady	Pho	K3
0278	Al Hassa - Al Qatrana	Pho	K3
0279	Al Shedeye - Eshidia	Pho	K3
0280	Ruseifa	Pho	K3
0282	Tono District (4 Deposits)	Sst	P3
0283	**Agashskoye**	**Met**	**M2**
0285	Assarchik	Sst	M2
0286	Balkashinskoye	Volc	M2
0289	Botaburum	Volc	M2
0290	Budennovskoye 1, 3 & 4	Sst	M2
0291	**Burlukskoye**	**Met**	**M2**
0292	**Chaglinskoye**	**Met**	**M2**
0294	Daba	Volc	M2
0297	Dzhusandalynskoye	Gran	M2
0298	Dzhidely	Volc	M2
0299	**Fevralskoye**	**Met**	**M2**
0300	**Glubinnoye**	**Met**	**M2**
0301	**Grachevskoye**	**Met**	**M2**
0303	Inkai 1, 2 & 3	Sst	M2
0304	Irkol	Sst	M2
0305	**Ishimskoye**	**Met**	**M2**
0306	**Kamyshevoye**	**Met**	**M2**
0307	Kanzhugan	Sst	M2
0308	Karakoyn	Sst	M2
0309	Karamurun North	Sst	M2
0310	Karamurun South	Sst	M2
0311	Karyntarynskoye	Pho	L2
0313	Kharasan 1-North	Sst	M2
0315	Koldzhat	LigCo	N2
0321	Kyzylsay District (8 deposits)	Volc	M2
0323	Kyzyltu	Sst	M2
0326	Manybaiskoye	Volc	M2
0327	Melovoye	Pho	L2
0328	Moynkum Central	Sst	M2
0329	Mynkuduk East	Sst	M2
0330	Nizhneyliyskoye	LigCo	M2
0333	Semizbai	Sst	M2
0335	**Shokhpak**	**Met**	**M2**
0336	Sholak-Espe	Sst	M2
0338	**Slavyanskoye**	**Met**	**M2**
0339	Suluchekinskoye	Sst	M2
0342	Tasmurunskoye	Pho	L2
0344	Taybagarskoye	Pho	L2
0345	Tomakskoye	Pho	L2
0347	Uvanas	Sst	M2
0348	**Victorovskoye**	**Met**	**M2**
0349	**Vostok**	**Met**	**M2**
0352	Zarechnoye	Sst	M2
0353	**Zaozernoye**	**Met**	**M2**
0354	Zhalpak	Sst	M2
0355	Zhautkan	Sst	M2
0356	**Zvyozdnoe**	**Met**	**M2**
0357	Maylisay	Carb	M2
0358	Mailuu-Suu	Carb	M2
0360	Turakavak	LigCo	M2
0367	La Sierrita	Sst	E3
0371	Santo Domingo	Pho	D3
0372	Kayelekera	Sst	K5
0373	Dornod District (12 deposits)	Volc	O2
0374	Gurvanbulak Central Zone	Volc	O2
0375	Kharaat	Sst	O2
0379	Gantour Basin	Pho	I3
0380	Oulad Abdoun Basin	Pho	I3
0381	Meskala Basin	Pho	I3
0382	Oued Eddahab Basin	Pho	I3
0387	Klein Trekkopje	Surf	J6
0388	Langer Heinrich	Surf	J6
0390	Rossing	Int	J6
0391	Tumas	Surf	J6
0392	Valencia	Int	J6
0394	Ebba Nord	Sst	J4
0395	Ebba Sud	Sst	J4
0396	Akola	Sst	J4
0397	Akouta Nord	Sst	J4
0398	Akouta Sud	Sst	J4
0399	Ariege	Sst	J4
0401	Arlette	Sst	J4
0403	Artois	Sst	J4
0404	Abakorum	Sst	J4
0405	Imouraren	Sst	J4
0407	Tamou	Sst	J4
0408	Taza Nord	Sst	J4
0420	Rajsk	Bsh	K2
0428	Nisa	Gran	I3
0432	Urgeirica	Gran	I2
0435	**Shinkolobwe-Kasolo**	**Met**	**K5**
0439	Baita Bihor	Sst	K2
0445	**Crucea**	**Met**	**K2**
0447	Dobrei South	Sst	K2
0456	**Tulghes-Grinties**	**Met**	**K2**
0460	Antei	Volc	O2
0461	Argunskoye	Volc	O2
0463	Badyelskoye	LigCo	L1
0466	Belskoje	LigCo	K2
0468	Beryozovoye	Gran	O2
0469	Beshtaugorskoye	Volc	L2
0472	Briketno-Zheltuhinskoye	LigCo	K2
0474	Buyanovskoye	Sst	O2
0477	Bytuguchag	Gran	Q1
0479	Chaplinskoye	LigCo	S1
0482	Crystalnoye	Gran	O2
0483	Dalneye	Volc	O2
0484	Dobrovolnoye	Sst	M2
0485	Dolmatovskoye	Sst	M2
0486	Druzhnoye	Mso	P2
0487	Dybryn	Sst	O2
0492	Gornoye	Gran	O2
0493	Imskoye	Sst	O2
0494	Interesnoye	Mso	P2
0497	Karhu	Unc	K1
0500	Kedrovoye	Sst	N1
0503	Khiagdinskoye	Sst	O2
0504	Khokhlovskoye	Sst	M2
0505	Kolichikan	Sst	O2
0507	Koretkondinskoye	Sst	O2
0508	Kosmozero	Mso	K1
0513	Lastochka	Volc	P2
0515	Luchistoye	Volc	O2
0516	Malinovskoye	Sst	N2
0517	Malo-Tulukuevskoye	Volc	O2
0518	Martovskoye	Volc	O2
0520	Meridionalnoye	Sst	O2
0522	Namaru	Sst	O2
0524	Novogodneye	Volc	O2
0526	Oktyabrskoye	Volc	O2
0527	Olovskoye	Volc	O2
0528	**Osenneye**	**Met**	**K1**
0530	Prigorodnoye	Sst	N2
0531	Primorskoye	Sst	N2
0533	Pyatilentneye	Volc	O2
0534	Rodionovskoye	Surf	O2
0537	Repyevskoye	Carb	L2
0538	Rjabinovoye	Volc	N2
0539	Sanarskoye	Surf	M2
0544	Shirondukuevskoye	Volc	O2
0550	Srednaya Padma	Mso	K1
0551	Stepnovskoye	Pho	L2
0553	Stepnoye	Sst	O2
0555	Streltsovskoye	Volc	O2
0559	Tetrakhskoye	Sst	O2
0562	Tsarevskoye	Mso	K1
0564	Tulukuevskoye	Volc	O2
0566	Ust-Uyukskoye	Sst	N2
0568	Vershinnoye	Sst	O2
0573	Vitlandskoye	Surf	O2
0576	Yubileinoye	Volc	O2
0578	Yugo-Zapadnoye	Volc	O2
0580	Zheglovskoye	Sst	O2
0581	Zherlovoye	Volc	O2
0583	Zjulzinskoye	Sst	O2
0585	Blyvooruitzicht Tailings	PQPC	K6
0586	Buffelsfontein	PQPC	K6
0587	Chemwes-Stilfontein	PQPC	K6
0588	Driefontein Mine	PQPC	K6
0589	Free State Geduld	PQPC	K6
0590	Harmony	PQPC	K6
0591	Hartebeestfontein	PQPC	K6
0592	Loraine	PQPC	K6
0593	Phalabora	Int	K6
0594	President Brand Mine	PQPC	K6
0595	President Steyn	PQPC	K6
0597	Oryx Mine (Beatrix West Section)	PQPC	K6
0599	Western Rand Tailings	PQPC	K6
0600	Western Areas Mine	PQPC	K6
0601	Western Deep Levels Mine	PQPC	K6
0602	Western Holdings	PQPC	K6
0603	Alio Ghelle	Mso	L4
0604	Dusa Mareb-El Bur District	Surf	L4
0606	Zirovski Vrh	Sst	J2
0616	Mina Fe	Gran	I2
0618	Retortillo	Gran	I2
0622	Ranstad	Bsh	J2
0625	Bailik	Bsh	L2
0626	Sernoye	Sst	L2
0632	Yozgat-Sorgun	Sst	K3
0633	Adamivske	LigCo	K2
0638	Kalynivske	Int	K2
0642	Michurinske	Mso	K2
0646	Pershotravneve	Mso	K2
0648	Safonivske	Sst	K2
0649	Severinivske	Mso	K2
0651	Vatutinske	Mso	K2
0652	Yuzhnoye	Int	K2
0653	Zhovtorichenske	Mso	K2
0655	Alta Mesa	Sst	E3
0656	Alta Verde	Sst	E3
0657	Ambrosia Lake District (Dysart)	Sst	D3
0658	Anderson Mine	Volc	D3
0660	Bear Creek Mines	Sst	D2
0662	Bernabe-Montano District	Sst	D3
0663	Big Buck / Velvet	Sst	D3
0664	Big Eagle Phase2/Green Mountain	Sst	D2
0666	Marsland Big Red	Sst	D3
0670	Borrego Pass	Sst	D3
0675	Butler-Weddington	Sst	E3
0680	Central Florida District	Pho	E3
0683	Christensen Ranch	Sst	D2
0684	Churchrock - Section 4	Sst	D3
0686	Clay West	Sst	E3
0688	Copper Mountain	Gran	D2
0689	Crooks Gap District	Sst	D2
0690	Crow Butte	Sst	D2
0691	Crownpoint	Sst	D3
0694	Dewey-Burdock	Sst	D2
0695	East Florida District	Pho	E3
0696	East Gas Hills	Sst	D2
0699	Fernandez Main Ranch	Sst	D3
0701	Jackpot Mine	Sst	D2
0704	Hansen	Sst	D3
0710	Highland	Sst	D2
0711	Holiday-El Mesquite	Sst	E3
0713	Irigaray	Sst	D2
0716	Jackpile - Paguate	Sst	D3
0722	Kingsville Dome	Sst	E3
0723	L-Bar Ranch	Sst	D3
0724	La Jara Mesa	Sst	D3
0728	Lee	Sst	D3
0729	Deremo Mine	Sst	D3
0732	Long Park	Sst	D3
0735	Lucky Mc Mine	Sst	D2
0737	Mancos-Sections 7-12	Sst	D3
0738	Mariano Lake	Sst	D3
0743	Mi Vida	Sst	D3
0744	Midnite	Gran	D2
0745	Monogram Mesa	Sst	D3
0751	Mount. Taylor Mine	Sst	D3
0752	Narrow Canyon	Sst	D3
0756	North Butte / Brown Ranch	Sst	D2
0757	North Florida District	Pho	E3
0758	Northeast Florida District	Pho	E3
0763	Pandora	Sst	D3
0764	Panna Maria	Sst	E3
0767	Petrotomics / Dave	Sst	D2
0771	**Pitch Mine**	**Met**	**D3**
0775	West Reno Creek	Sst	D2
0776	Rhode Ranch District	Sst	E3
0777	Rio Puerco	Sst	D3
0781	Ruby	Sst	D3
0785	Saint Anthony/M-6	Sst	D3
0789	**Schwartzwalder Mine**	**Met**	**D3**
0792	Sherwood Mine	Sst	D2
0794	Shirley Basin Mine	Sst	D2
0796	Slick Rock District	Sst	D3
0797	Smith Ranch	Sst	D2
0798	South Florida District	Pho	E3
0799	South Morton Ranch	Sst	D2
0802	Sweetwater Mine	Sst	D2
0803	Taylor Ranch	Sst	D3
0805	Tony M	Sst	D3
0809	Atkinson Mesa District	Sst	D3
0810	Vanadium	Sst	D3
0812	West Gas Hills	Sst	D2
0813	West Largo	Sst	D3
0814	Whiskey Peak / Green Mountain	Sst	D2
0815	Agron	Sst	M3
0816	Aktau	Sst	M2
0817	Alatanga	Volc	M2
0818	Alendy	Sst	M2
0820	Aulbek	Sst	M2
0823	Beshkak	Sst	M2
0824	Bukinay North	Sst	M2
0826	Chauli	Volc	M2
0827	Dzhantuar	Bsh	M2
0828	Kenimekh	Sst	M2
0830	Kendyktjube	Sst	M2
0831	Ketmenchi	Sst	M3
0833	Lyavlyakan	Sst	M2
0835	Meylysai	Sst	M2
0836	Nagornoye	Sst	M3
0837	Rudnoye	Bsh	M2
0838	Sabyrsay	Sst	M3
0839	Severny Kanimekh	Sst	M2
0841	Shark	Sst	M3
0842	Sugraly	Sst	M2
0845	Tutlyinskaya	Sst	M3
0846	Uchkuduk	Sst	M2
0847	Ulus	Sst	M3
0849	Yuzhny Bukinai	Sst	M2
0851	Khe Hoa-Khe Cao	Sst	O4
0890	Tabelle	Sst	J4
0891	Taza Sud	Sst	J4
0892	Takriza	Sst	J4
0893	Tamgak	Sst	J4
0895	Marianne - Maryline	Sst	J4
0929	Church Rock - Section 8 and 17	Sst	D3
0930	Peach	Sst	D2
0932	Reynolds Ranch	Sst	D2
0942	Tortkuduk	Sst	M2
0947	Oobagooma-Yampi	Sst	P5
0948	91 Ranger 1 N°1	Unc	P5
0951	Jabiluka 2	Unc	P5
0952	Ranger 1 N°3	Unc	P5
0953	Oberschlema	Gran	J2
0955	Val Vedello	Volc	J2
0977	Prominent Hill	PBx	P6
0979	Nolans Bore	Int	P6
0981	**Ace-Fay-Verna**	**Met**	**D2**
0982	Andrew Lake	Unc	E1
0985	End Grid	Unc	E1
0988	Horseshoe	Unc	D2
0990	Millennium	Unc	D2
0992	P Patch Zone	Unc	D2
0994	Shea Creek-Anne	Unc	D2
0995	Shea Creek-Colette	Unc	D2
0996	Shea Creek-Kianna	Unc	D2
0998	Cluff Lake Dominique-Peter	Unc	D2
0999	Cluff Lake Dominique-Jeanine	Unc	D2
1000	Collins Bay B	Unc	D2
1003	Kiggavik Centre	Unc	E1
1006	Sue C	Unc	D2
1008	Sue E	Unc	D2
1010	**Eldorado (Port Radium)**	**Met**	**D1**
1012	**Bagjata**	**Met**	**N3**
1013	**Banduhurang - Turamdih South**	**Met**	**N3**
1030	Gogi	Gran	M4
1031	Chitrial	Unc	M4
1042	BJ Lake	Unc	D2
1051	Centennial	Unc	D2
1053	Charlebois Lake	Int	D2
1059	Dieter Lake	Bsh	F2
1075	Jacques Lake	Mso	G2
1077	Drope Lake - La Ronge	Int	D2
1078	**Lac Cinquante**	**Met**	**E1**
1082	Midwest A	Unc	D2
1083	Matoush	Sst	F2
1086	Roughrider	Unc	D2
1091	Mountain Lake	Sst	D1
1099	P2 Main	Unc	D2
1100	Paul Bay	Unc	D2
1110	Tamarack	Unc	D2
1120	Shihongtan	Sst	N2
1121	Zhaohuohao (396)	Sst	O3
1138	Allied Zones	Int	F2
1139	Apple	PQPC	F2
1143	Can-Met	PQPC	E2
1145	Eco Ridge Mine	PQPC	E2
1150	L	Sst	F2
1156	Stanrock	PQPC	E2
1162	**Veznice**	**Met**	**J2**
1165	Luena Basin	LigCo	K5
1166	**Musonoi Extension**	**Met**	**K5**
1168	Siwaqa	Surf	K3
1169	Akdala	Sst	M2
1176	Falea	Sst	I4
1178	Khairkhan	Sst	O2
1179	Ulaan Nuur	Sst	O2
1180	Aussinanis	Surf	J6
1181	Anomaly A (Etango)	Int	J6
1184	Marenica	Surf	J6
1185	Trekkopje	Surf	J6
1187	Arcadie	Sst	J4
1191	Nord Somair	Sst	J4
1192	Taossa	Sst	J4
1193	Teguidda (Ir, G, T)	Sst	J4
1195	Yuti	Sst	G6
1196	Corachapi	Volc	F5
1198	Kemchug	Volc	N2
1200	Ghurayyah	Int	K3
1203	Kuriskova	Volc	K2
1204	Novoveska Huta	Volc	K2
1209	Denny Dalton	PQPC	K6
1210	Dominion Reefs	PQPC	K6
1211	Ezulwini	PQPC	K6
1212	Rietkuil	PQPC	K6
1213	Ryst Kuil	Sst	K6
1214	Springbok Flats	LigCo	K6
1215	Gambuta	Gran	I3
1218	Duobblon	Volc	J1
1225	Tasjo District	Pho	J1
1231	Dibwe	Sst	K5
1235	Mutanga Main	Sst	K5
1237	Njame	Sst	K5
1238	Severnoye	Mso	P2
1239	Tsentralne	Mso	K2
1240	Novokostyantynivske	Mso	K2
1241	Pidhajtsivske	Mso	K2
1247	Abeta	PQPC	E2
1248	Banana Lake	PQPC	E2
1253	Gaertner	Unc	D2
1254	Millaqua	PQPC	E2
1255	Silvermaque	PQPC	E2
1258	Serule Nw	Sst	K6
1267	**Firawa**	**Met**	**I4**
1268	Kanyika	Int	K5
1269	Garnet Valley	Int	J6
1270	Namib Park	Surf	J6
1272	Oryx (Tumas 3)	Surf	J6
1277	Beisa North	PQPC	K6
1279	Cooke / Old Randfontein Tailings	PQPC	K6
1280	East Rand Consolidated Tailing	PQPC	K6
1284	Potchefstroom Goldfield	PQPC	K6
1285	Southern Free State (4 deposits)	PQPC	K6
1286	Vaal River Tailings	PQPC	K6
1290	Nyota	Sst	K5
1298	North Shore Double S Zone	Int	F2
1299	North Shore Middle Zone	Int	F2
1300	North Shore Tj Zone	Int	F2
1303	Chuquicamata	Int	F6
1307	Oshively	Int	J6
1311	MMS Vicken	Bsh	J1
1313	Sw Reno Creek	Sst	D2
1316	Four Mile East	Sst	P6
1317	Dawson-Hinkler	Surf	P6
1319	Windimurra	Surf	O6
1327	Blackbush	Sst	P6
1329	E1 North & South	PBx	Q6
1330	Four Mile West	Sst	P6
1331	Hillview	Surf	O6
1339	Araxa	Int	G5
1342	Olinda	Pho	H5
1343	Pitinga	Int	F5
1347	Amer Lake- Main Zone	Sst	E1
1351	**Moran Lake C Zone**	**Met**	**F2**
1358	Phoenix	Unc	D2
1359	Pama	Pho	K4
1360	Pato	Pho	K4
1361	Patricia	Pho	K4
1367	Sierra Gorda	Int	F6
1368	Chengxian Mine	Bsh	O3
1370	Lantian Mine	Gran	O3
1374	Saima	Int	P2
1377	Berlin	Sst	F4
1378	**Brzkov**	**Met**	**J2**
1383	Pecs	Sst	J2
1390	Tyuya-Muyum	Carb	M2
1395	San Juan De La Costa	Pho	D3
1397	Turgen District	Volc	O2
1398	Ugtam	Volc	O2
1400	Inca	Mso	J6
1401	Imca 25	Sst	J4
1402	Irhawenzegirhan	Sst	J4
1406	Isakanan	Sst	J4
1408	Taunsa	Sst	M3
1409	Colibri 2 & 3	Volc	F5
1413	Abu Tartur	Pho	K3
1414	Akashat	Pho	K3
1415	Elkon	Mso	P2
1416	Elkonskoe Plateau	Mso	P2
1417	Kurung	Mso	P2
1419	Kopanang Mine	PQPC	K6
1421	Sageras-Zona M	Gran	I2
1424	Palmira District	Pho	K3
1429	Antelope	Sst	D2
1431	Aurora	Volc	D2
1432	Bingham Canyon	Int	D2
1433	Black Jack 1 & 2	Sst	D3
1443	Coles Hill North	Mso	F3
1444	Coles Hills South	Mso	F3
1461	Hank Unit	Sst	D2
1462	Hosta Butte	Sst	D3
1465	Juan Tafoya	Sst	D3
1467	Kings Valley	Volc	D2
1468	Los Quatros	Volc	D3
1469	Lost Creek	Sst	D2
1470	Lost Soldier	Sst	D2
1471	Marquez	Sst	D3
1479	Section 22 (New Mexico)	Sst	D3
1480	Section 23 (New Mexico)	Sst	D3
1481	Section 24 (New Mexico)	Sst	D3
1485	Section 30 (New Mexico)	Sst	D3
1489	Sheep Mountain	Sst	D2
1494	Velvet-Wood Mines	Sst	D3
1495	Virgin Valley	Volc	D2
1503	Tabhing Area	Sst	O4
1505	**Malundwe**	**Met**	**K5**
1508	Double 8	Sst	P6
1515	Lujing District (5 deposits)	Gran	O3
1517	Qianjiadian (2 deposits)	Sst	P2
1520	Serres Basin	LigCo	K2
1521	Inkai South-4	Sst	M2
1525	Onkelo	Int	J6
1526	Bayovar	Pho	E5
1527	Neprokhodimoye	Mso	P2
1532	Goliad	Sst	E3
1534	Hack Canyon 2	CBx	D3
1542	Budennovskoye 2	Sst	M2
1543	Ambassador	LigCo	P6
1544	Emperor	LigCo	P6
1546	Gorgon Main	Sst	K6
1547	Kraken	Sst	K6
1548	Husab - Zone 1	Int	J6
1549	Husab - Zone 2	Int	J6
1550	Shanawah	Sst	M3
1554	Negev Desert District	Pho	K3
1562	Beatrix	PQPC	K6
1563	Kloof Tailings	PQPC	K6
1564	South Deep Mine (Underground)	PQPC	K6
1565	Cooke 1, 2 & 3/Old Randfontein	PQPC	K6
1568	Barber	Sst	D2
1569	Boyer	Sst	D3
1571	Coyote Basin	LigCo	D2
1575	Noah	Sst	D3
1576	North West Taylor	Sst	D3
1579	Ross	Sst	D2
1582	Roca Honda Mine	Sst	D3
1583	Attarat-Wadi Maghar	Pho	K3
1585	Gachin	Surf	L3
1590	Toongi	Int	Q6
1591	Beerwalde-Korbussen	Bsh	J2
1592	Bernsbach	Gran	J2
1596	Crimmitschauer Fault Zone	Bsh	J2
1597	Drosen	Bsh	J2
1601	Gera Sud	Sst	J2
1604	Kyhna - Schenkenberg	Volc	J2
1605	Lichtenberg	Bsh	J2
1607	Paitzdorf	Bsh	J2
1609	Prehna	Bsh	J2
1611	Schmirchau - Reust	Bsh	J2
1619	Zeitz - Baldenhain	Bsh	J2
1620	Kaynar	Sst	M2
1622	Kharasan 2-South	Sst	M2
1623	Moynkum South	Sst	M2
1624	Mynkuduk Central	Sst	M2
1625	Mynkuduk West	Sst	M2
1626	Chubu	Bsh	P3
1628	Gumsan	Bsh	P3
1632	Yokwang	Bsh	P3
1636	Takardeit	Sst	J4
1637	Tin Negouran	Sst	J4
1641	Zona Pologaya	Mso	P2
1652	Cappers	Surf	P6
1653	Archontovounis	Gran	K2
1656	Alameda	Gran	I2
1659	Haggan	Bsh	J1
1662	Husab - Zone 3	Int	J6
1664	Husab - Zone 4	Int	J6
1665	Great Nolingwa Mine	PQPC	K6
1666	Moab Khotsong	PQPC	K6
1667	Mponeng	PQPC	K6
1671	Majuelos	Gran	I2
1675	Tubas Red Sand	Surf	J6
1694	Carley Bore	Sst	O6
1695	Odin	Mso	P6
1696	Gorgon West	Sst	K6
1697	Gorgon South	Sst	K6
1699	Catalao	Int	G5
1700	Drucourt Zone	Int	F2
1702	J Zone	Unc	D2
1703	Kolmisoppi	Bsh	K1
1704	Kuusilampi	Bsh	K1
1708	Khan Azzabib	Surf	K3
1709	Sadyrnynskoye	Pho	L2
1710	Hyena	Int	J6
1711	Ondjamba	Int	J6
1712	Miriam	Sst	J4
1713	Isivilla	Volc	F5
1715	Tantamaco	Volc	F5
1717	Jabal Sayid	Int	L3
1725	Phosphoria Formation	Pho	D2
1742	MML-E	Sst	J2
1743	Tuyuk-Suu	LigCo	M2
1755	Carrapateena	PBx	P6
1757	Pepegoona	Sst	P6
1759	San Hilario	Pho	D3
1761	Tembabiche	Pho	D3
1762	UF1	Pho	D3
1763	Glibat Lafhouda	Int	I3
1764	Twihinate	Int	I3
1765	De Bron	PQPC	K6
1767	Riet Kuil	Sst	K6
1768	Guanaco	Surf	F7
1770	Plumbush	Sst	P6
1772	Serule W	Sst	K6
1774	Radomiro Tomic	Int	F6
1775	A 238	Mso	I3
1776	Ain Sder C1-CJ-CR	Surf	I3
1777	Oued El Foule East	Surf	I3
1778	Oum Ferkik L-K	Surf	I3
1780	Ongolo	Int	J6
1781	Husab - Zone 5	Int	J6
1782	Al Jamid	Pho	L3
1783	East Ebro Valley (5 deposits)	LigCo	I2
1784	Temrezli	Sst	K3
1791	Bikini	Mso	P6
1793	Millipede	Surf	P6
1796	Rio Cristallino	Sst	G5
1797	Pecors East	PQPC	E2
1798	MA 7	Int	J6
1799	Namibplass	Int	J6
1803	Dulaan Uul	Sst	O2
1805	Lubin-Sieroszowice	Bsh	J2
1810	Congo Pit	Sst	D2
1819	Todilto District	Carb	D3
1821	Igarape Bahia	PBx	G5
1822	Salobo	PBx	G5
1823	Sossego	PBx	G5
1824	**J4/Ray**	**Met**	**E1**
1826	Zoovch Ovoo	Sst	O2
1829	Ranger Deeps	Unc	P5
1830	Illimaussaq Zone 3	Int	G1
1831	Gabbal Guttar	Gran	K3
1836	Manyoni District-Zone C 1	Surf	K5
1844	Theseus	Sst	P6
1846	Frazer Lake-Zone B	Int	D2
1849	Guyuan	Volc	O3
1850	Hechaokeng	Gran	O2
1851	Kujiertai	Sst	N2
1854	Pannikan	Sst	P6
1855	Pepegoona West	Sst	P6
1856	Buckton Zone	Bsh	D2
1858	Taoshan	Gran	O3
1859	La Banane	Sst	J4
1864	Msne	Sst	J4
1866	Oak Dam	Sst	P6
1868	**Maoyangtuo (570)**	**Met**	**O3**
1869	Wukuerqi	Sst	N2
1872	Plouznice	Sst	J2
1874	Sorensen	Int	G1
1878	Dwaima	Pho	K3
1879	Ethna	Pho	K3
1880	Hirri	Pho	L3
1881	H 3	Pho	K3
1882	Marbat	Pho	L3
1883	Swab	Pho	K3
1885	Ulzitt	Sst	O2
1886	Dajy	Sst	J4
1887	Dasa 1, 2 & 3	Sst	J4
1891	Marby	Bsh	J1
1894	Minjingu	Pho	K5
1911	Kendrick	Sst	D2
1913	Lisbon Mine	Sst	D3
1922	North Reno Creek	Sst	D2
1923	Nose Rock	Sst	D3
1936	Twin Butte	Int	D3
1938	White Canyon District	Sst	D3
1939	Yerington	Int	D3
1941	Buckton South	Bsh	D2
1942	Canuc Zone	PQPC	E2
1943	Milo	PBx	Q6
1945	Gemico Block 3	PQPC	E2
1946	Gemico Block 10	PQPC	E2
1947	Triple R	Unc	D2
1948	Teasdale Lake Zone	PQPC	E2
1949	Bayinwula	Sst	O2
1951	Shashagetai	Sst	O3
1952	Sunjialiang	Sst	O3
1955	Z 20	Int	J6
1956	Armelle	Sst	J4
1957	Tamani	Sst	J4
1958	Tamgak Deep	Sst	J4
1959	Taverse	Sst	J4
1960	Bloemhoek	PQPC	K6
1961	Cooke 4 (Gauteng)	PQPC	K6
1967	Chattanooga Shale Formation	Bsh	E3
1969	Dibwe East	Sst	K5
1971	Northern Great Plains	LigCo	D2
1972	Happy Valley 2-15	Int	J6
1973	Happy Valley 18	Int	J6
1978	West Rand Tailings (Wrtrp)	PQPC	K6
1979	West Witts Tailings (13 Tailings)	PQPC	K6
1980	Narke	Bsh	J2
1988	Palua	Sst	O4
1989	Parong	Sst	O4
1990	Tebessa District	Pho	J3
1991	Fosse-Pamela	Pho	K4
1992	El Sebaeya East	Pho	K3
1993	Red Sea District	Pho	K3
1994	Chatham Rise	Pho	R7
1995	Gafsa-Metlaoui District	Pho	J3
1996	Binh Duong	Pho	O3
1998	Nong Son	LigCo	O4
2000	Monument Valley District	Sst	D3
2002	Fab Trend	Sst	D2
2007	Billeroo	Sst	P6
2008	Brooks Dam	Sst	Q6
2009	Four Mile North-East	Sst	P6
2029	Arrow	Unc	D2
2032	Gryphon	Unc	D2
2034	Mann Lake	Unc	D2
2040	Léré	Mso	J4
2041	Motzfeldt	Int	G1
2047	La Terraza	Volc	F6
2053	Terraza North	Volc	F6
2054	Tigre I	Volc	F6
2845	Stilfontein	PQPC	K6
4176	Treviels	Sst	J2
4192	Baltoscandia District	Bsh	K2
4196	Kok Moinok	Gran	M2
4198	Aghracha	Surf	I3
4199	Drag-Al Farnane	Int	I3
4202	Tarfaya Basin	Bsh	I3
4203	Timahdit Basin	Bsh	I3
4204	Welwitschia Flats	Surf	J6
4210	Chilcuno Chico	Volc	F5
4212	Quebradra Blanca	Volc	F5
4221	Al Khabra	Pho	K3
4222	Umm Wu'Al	Pho	K3
4223	Blyvooruitzicht Mine	PQPC	K6
4224	Daggafontein Mine	PQPC	K6
4226	Doornfontein	PQPC	K6
4228	Driefontein Tailings	PQPC	K6
4236	Ergo	PQPC	K6
4238	Freddies	PQPC	K6
4241	Luipaardsvlei	PQPC	K6
4243	Vaal Reefs Mine	PQPC	K6
4244	Virginia	PQPC	K6
4250	West Rand Consolidated Mine	PQPC	K6
4258	Cliffside Mine	CBx	D3
4261	Round Top	Int	D3
4265	Pilanesberg - Ledig Zone	Int	K6
4266	Krasnoselskoye	Bsh	K2
4267	Kotlovskoye	Bsh	K2
4268	Durban (Roodeport) Deep	PQPC	K6
4269	**Kosachinoye**	**Met**	**M2**
4270	El Sebaeya West	Pho	K3
4271	Mecsec Mine	Sst	J2
4272	Saaiplaas	PQPC	K6
4273	Deelkrall	PQPC	K6
4274	Mabounie	Int	J5
4275	Jeanette	PQPC	K6
4276	Fox Lake	Unc	D2
4277	Bytiz 4, 22-40	Gran	J2
4278	Engenho	Mso	G5
4279	Smaldeel	PQPC	K6
4280	Afrikander	PQPC	K6
4281	Zheltorechenske	Mso	K2
4282	Da Rabicha	Mso	G5
4283	Hamr South (Hamr II)	Sst	J2
4284	Bukinay South	Sst	M2
4285	Cristalino	PBx	G5
4286	Khamsin	PBx	P6
4287	Cachoeira	Mso	G5
4288	Kalbasfontein	PQPC	K6
4289	Litne	Mso	K2
4290	Balkovskoye	Pho	L2
4291	Mengqiguer 2	Sst	N2
4292	Zuurbekom	PQPC	K6
4293	Ebene	Sst	J4
4294	Modesto	Mso	G5
4295	Elandsrand	PQPC	K6
4296	Aquelt Assfaya	Surf	I3
4297	Ernest Henry	PBx	Q6
4298	Hakkies	PQPC	J6
4299	Phoenix	PQPC	K6
4300	Puissagtaq	Gran	G1
4301	Sutherland 2	Sst	K6
4302	Juzkuduk	Sst	M3
4303	Lesetice	Gran	J2
4304	Rhenosterroek	PQPC	K6
4305	Ergo Tailings	PQPC	K6
4306	Middle Dome	Int	J6
4307	**Zvezdnoye**	**Met**	**M2**
4308	**Banadungri-Sinidungri**	**Met**	**N3**
4309	Area 1 East	PQPC	K6
4310	Doornrivier	PQPC	K6
4311	Bofal-Loubboira	Pho	I4
4312	Alemao	PBx	G5
4313	Zhuravlinoye	Volc	O2
4314	Holicky	Sst	J2
4315	Hnativske	Mso	K2
4316	Yuriivske	Mso	K2
4317	Partyzanske	Mso	K2
4318	Pivdennokonoplyanske	Mso	K2
4319	Pivnichnokonoplyanske	Mso	K2
4320	Dokuchaevske	Mso	K2
4321	Kvitneve	Mso	K2
4322	Schorsivske	Mso	K2
4323	Lelekivske	Mso	K2
4324	Hannivka	Mso	K2
4325	Lisne	Mso	K2
4326	Kremenchugske	Mso	K2
4327	Jeruzalem	Gran	J2
4328	Melkraals	PQPC	J6
4329	Grootvlei Tailings	PQPC	K6
4330	Baimadong	Carb	O3
4331	Kareeport	Sst	K6
4332	Fochville	PQPC	K6
4333	Krizani	Sst	J2
4334	Boztauskaya	Bsh	M2
4335	**Tushinskoye**	**Met**	**M2**
4336	Mestena Grande	Sst	E3
4337	Haanekuil	Sst	K6
4338	Vermeulenskraal North	PQPC	K6
4339	Moab Extension	PQPC	K6
4340	Sarydjaz	Bsh	M2
4341	Robijn	PQPC	K6
4342	Salem	Int	J6
4343	Elandsfontein	Sst	K6
4344	Tshepong	PQPC	K6
4345	Phakisa	PQPC	K6
4346	Brod	Gran	J2
4347	Weltevreden	PQPC	K6
4348	Pocos De Caldas-Agostino	Int	G6
4349	Graben	Sst	F7
4350	Kyzyl	Volc	M2
4351	Das Quebradas	Mso	G5
4352	Laranjeiras	Mso	G5
4353	Prudovoye	Pho	L2
4354	Buratinskoye South	Pho	L2
4355	Bagaburulskoye NE	Pho	L2
4356	Kharabulukskoye North	Pho	L2
4357	Bagaburulskoye	Pho	L2
4358	Nugrinskoye	Pho	L2
4359	Bogorodskoye	Pho	L2
4360	Shargadykskoye	Pho	L2
4361	Yashkulskoye	Pho	L2
4362	Centralnoye	Pho	L2
4363	Troitskoye	Pho	L2
4364	Abou Skhair	Carb	L3
4365	Wangjiachong	Sst	O3
4366	Sirotininsk	Sst	O2
4367	Smolenskoye	Sst	N2
4368	Chasovoye	Gran	O2
4369	Korolevskoye	Gran	O2
4370	Bystroye	Sst	N2
4371	Bashibulak	Sst	M3
4372	Nekrakovskoye	Pho	L2
4373	Vranov	Sst	J2
4374	Srni Potok	Sst	J2
4375	Pavlin	Sst	J2
4376	Xinwu Basin (5 deposits)	Sst	O3
4377	Arnold	Sst	J4
4378	Aride	Sst	J4
4379	Yarkuduk	Sst	M3
4380	Istiklol	Sst	M2
4381	Wuhisan	Sst	N2
4382	Wuhier	Sst	N2
4383	North Tamdinskaya	Bsh	M2
4384	Wuyiyi	Sst	N2
4385	Baxingtu	Sst	P2
4386	Kenze	Sst	M2
4387	Likhmanovske	Mso	K2
4388	YGOK	Mso	K2
4389	Stetchovskaya	Mso	K2
4390	Krasnogvardeiske	Mso	K2
4391	Annovske	Mso	K2
4392	Kirovskii	Mso	K2
4393	Stankovatskaya	Mso	K2
4394	Kurnikoskoye-W	Mso	K2
4395	Stepne	Mso	K2
4396	Novopavdovske	Mso	K2
4397	Manuiylivske	Mso	K2
4398	Steblevskaya	Mso	K2
4399	Podgaitsevskoye	Mso	K2
4400	Andriiivske	Mso	K2
4401	Kohanivske	Mso	K2
4402	Rand Proprietary M Tailings	PQPC	K6
4403	Honghaigou	Sst	N2
4404	Tamdikuduk-Tulyantashkaya	Sst	M3
4405	Masimong	PQPC	K6
4406	South Deep Mine (Tailings)	PQPC	K6
4407	Vredefort	PQPC	K6
4408	Gurvanbulak Intermediate Zone	Volc	O2
4409	Plateau West	Sst	F7
4410	Fraserburg 2	Sst	K6
4411	Fraserburg	Sst	K6
4412	Mazarete Extension W (Zona II)	Sst	I2
4413	Pirna	Sst	J2
4414	Tierhoek	Sst	K6
4415	Vermeulenskraal	PQPC	K6
4416	St Helena Tailings	PQPC	K6

WORLD DISTRIBUTION OF PROTEROZOIC UNCONFORMITY URANIUM DEPOSITS

IAEA
International Atomic Energy Agency

SECOND EDITION: 2018

Scale 1: 1:35 000 000

Kilometres 500 0 500 1,000 1,500 2,000 Kilometres

Mercator Projection: Central Meridian 10°

Map production by M.C. Fairclough (IAEA), J.A. Irvine (Australia), L.F. Katona (Australia) and W.L. Slimmon (Canada).
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Deposit data derived from IAEA UDEPO (http://infcis.iaea.org/UDEPO/About.cshtml) database with assistance from P. Bruneton (France), M. Mihalasky (U.S.A.), M. Cuney (France), M. Aranha (IAEA), O. Pylypenko (IAEA) and K. Poliakovska (IAEA). The map is an updated companion to "World Distribution of Uranium Deposits (UDEPO) with Uranium Deposit Classification, IAEA Tech-Doc-1629" and "World Distribution of Uranium Deposits (UDEPO) 2016 Edition, IAEA Tec-Doc in-preparation". Map data is current to beginning 2017.

Geology was derived from L.B. Chorlton, Generalized Geology of the World, Geological Survey of Canada, Open File 5529, 2007 under Open Government Licence - Canada (http://data.gc.ca/eng/open-government-licence-canada)

Coastlines and drainage were obtained from Natural Earth public domain vector map data (http://www.naturalearthdata.com/about/terms-of-use). Country boundaries are from the United Nations[2] (http://www.un.org/Depts/Cartographic/english/htmain.htm). The use of particular designations of countries or territories does not imply any judgement by the publisher, the IAEA, as to the legal status of such countries or territories, of their authorities and institutions or of the delimitation of their boundaries. Dotted line represents approximately the Line of Control in Jammu and Kashmir agreed upon by India and Pakistan. The final status of Jammu and Kashmir has not yet been agreed upon by the parties. Final boundary between the Republic of Sudan and the Republic of South Sudan has not yet been determined.

Deposit Type	Deposit Subtype	Deposit Size (tU original or produced+remaining resource) < 1 000	1 001 - 5 000	5 001 - 25 000	25 001 - 100 000	> 100 000
1. Intrusive (Int)	Anatectic					
	Plutonic[1]					
2. Granite-related (Gran)	Endogranitic					
	Perigranitic					
3. Polymetallic Fe oxide breccia complex[1] (PBx)						
4. Volcanic-related (Volc)	Stratabound					
	Structure-bound					
	Volcano-sedimentary					
5. Metasomatite (Mso)	Na-metasomatite					
	K-metasomatite					
	Skarn					
6. Metamorphite (Met)	Stratabound					
	Structure-bound					
	Marble-hosted					
7. Proterozoic unconformity (Unc)	Unconformity-contact					
	Basement-hosted					
	Stratiform fracture-controlled					
8. Collapse breccia pipe (CBx)						
9. Sandstone (Sst)	Basal channel					
	Tabular					
	Roll-front					
	Tectonic-lithologic					
	Mafic dykes/sills					
10. Paleo quartz-pebble conglomerate (PQPC)	U-dominant					
	Au-dominant[1]					
11. Surficial (Surf)	Peat-bog					
	Fluvial valley					
	Lacustrine-playa					
	Pedogenic and fracture fill					
12. Lignite-coal[1] (LigCo)	Stratiform					
	Fracture controlled					
13. Carbonate (Carb)	Stratabound					
	Cataclastic					
	Paleokarst					
14. Phosphate[1] (Pho)	Organic phosphorite					
	Microchemical phosphorite					
	Continental phosphate					
15. Black shale (BSh)	Stratiform					
	Stockwork					

· Undifferentiated and unverified Uranium occurrence with no known resource estimation

▲ Undifferentiated Thorium deposit and occurrence from IAEA ThDEPO database

The Dep IDs are unique deposit identification numbers corresponding to the IAEA UDEPO database records. A deposit is defined as there is known to be a resource estimation undertaken. If the exact estimation is unknown, an estimated range is generated by IAEA. This is particularly so with unconventional resources[1] from which uranium is present at very low grades and/or only recoverable as a minor by-product using special processing techniques. Resources shown are not current remaining resources, but are the maximum of original geological resource, production figures or remaining resources at the lowest available cut-off grade. They include historic resources, and so may not be compliant with contemporary reporting standards and are not endorsed by IAEA as such. Where available, resource estimations for individual discrete ore zones are shown. Where this is not possible, some aggregation of resources are necessary. No economic or financial inferences with respect to recoverability of uranium are intended. The list of deposits is not exhaustive or current. There are 2831 deposits shown on the face of the map, but only those 102 greater than 100 000tU, or currently producing uranium, are named. Other deposits greater than 2500tU (863 deposits) are numbered, and along with larger or producing deposits, are listed below the map face. All other deposits (1866) 2500tU or less are only shown as symbols with no annotation but can be queried as described in https://helpx.adobe.com/acrobat/using/geospatial-pdfs.html.

Map Legend

- Populated place
- Railroad
- Road
- Country boundary[2]
- Fault trace

Lithology

- Metamorphic rocks
- Intrusive rocks
- Sedimentary and volcanic rocks
- Sedimentary rocks
- Tectonized rocks
- Volcanic and intrusive rocks
- Volcanic rocks

Era

- Holocene and Recent ice cap
- Cenozoic
- Mesozoic
- Paleozoic
- Neoproterozoic
- Mesoproterozoic
- Paleoproterozoic
- Proterozoic (undifferentiated)
- Archean and Proterozoic

Dep ID	Dep Name	Dep Type	Grid
0001	Abankor	Met	J3
0004	Timgaouine	Gran	J3
0005	Tinef	Met	J3
0006	Cerro Solo	Sst	F7
0011	Rodolfo	Sst	F6
0014	Angela	Sst	P6
0017	Ben Lomond	Volc	Q5
0018	Bennetts Well	Sst	O6
0019	Beverley	Sst	P6
0020	Bigrlyi	Sst	P6
0022	Centipede	Surf	P6
0029	Goulds Dam	Sst	P6
0032	Honeymoon	Sst	Q6
0033	Huarabagoo	Sst	P5
0034	Jabiluka 1	Unc	P5
0035	Junnagunna	Sst	P5
0036	Kintyre	Unc	P6
0037	Koongarra 1	Unc	P5
0038	Lake Maitland	Surf	P6
0041	Lake Way	Surf	P6
0043	Manyingee	Sst	O6
0044	Mary Kathleen	Mso	Q6
0047	Mount Gee	PBx	P6
0050	Nabarlek	Unc	P5
0051	Napperby	Surf	P6
0052	Nowthana	Surf	O6
0053	Olympic Dam	PBx	P6
0059	Ranger 68	Unc	P5
0060	Redtree	Sst	P5
0062	Skal	Mso	P6
0064	Thatcher Soak West	Surf	P6
0068	Valhalla	Mso	P6
0070	Warrior	Sst	P6
0073	Yeelirrie	Surf	O6
0075	Amorinopolis	Sst	G5
0077	Espinharas	Mso	H5
0078	Figueira	Sst	G6
0079	Gandarela	PQPC	G6
0080	Itataia-Santa Quiteria District	Met	H5
0082	Pocos De Caldas - Cercado	Int	G6
0083	Serra Das Gaivotas	PQPC	G6
0089	Eleshnitza District	Sst	K2
0104	Simitli	Sst	K2
0109	Agnew Lake	PQPC	E2
0112	Blizzard	Sst	D2
0113	Cigar Lake	Unc	D2
0116	Collins Bay A	Unc	D2
0117	Cluff Lake D	Unc	D2
0118	Dawn Lake	Unc	D2
0119	Denison Mine	PQPC	E2
0122	Eagle Point	Unc	D2
0124	Gunnar	Mso	D2
0126	Deilmann	Unc	D2
0127	Kiggavik Main	Unc	E1
0130	Madawaska	Int	F2
0132	Mcarthur River	Unc	D2
0133	Mcclean Lake Pods	Unc	D2
0134	Michelin	Mso	G2
0135	Midwest	Unc	D2
0136	Nordic	PQPC	E2
0137	Lacnor	PQPC	E2
0138	Panel Mine	PQPC	E2
0139	Spanish American	PQPC	E2
0141	Quirke	PQPC	E2
0142	Milliken	PQPC	E2
0143	Rabbit Lake	Unc	D2
0144	Raven	Unc	D2
0147	Stanleigh	PQPC	E2
0155	Kitongo	Mso	J4
0157	Beimianshi	Volc	O3
0160	Chanziping	Bsh	O3
0170	Lianshanguan-Benxi Mine	Mso	P2
0172	Nuheting	Sst	O2
0175	Chengzishan (381)	Sst	N3
0179	Xiazhuang District (16 deposits)	Gran	O3
0180	Xiangshan District (11 deposits)	Volc	O3
0181	Brevniste	Sst	J2
0184	Hamr North (Hamr I)	Sst	J2
0185	Horni Slavkov District (10 deposits)	Gran	J2
0186	Hvezdov	Sst	J2
0187	Jachymov District (12 mines)	Gran	J2
0191	Mimon	Sst	J2
0193	Olsi-Dranonin	Met	J2
0194	Osecna-Kotel	Sst	J2
0196	Rozna	Met	J2
0197	Straz	Sst	J2
0198	Vitkov II	Gran	J2
0200	Zadni Chodov	Gran	J2
0201	Kvanefjeld	Int	G1
0210	Bellezane	Gran	J2
0213	Coutras	Sst	J2
0220	Commanderie (La)	Gran	I2
0221	Bernardan (Le)	Gran	J2
0223	Chardon (Le)	Gran	I2
0225	Bois Noirs (Les)	Gran	J2
0231	Mas Lavayre	Sst	J2
0232	Margnac-Peny	Gran	J2
0239	Bagombé	Sst	J5
0242	Mounana	Sst	J5
0244	Oklo	Sst	J5
0247	Culmitzsch	Sst	J2
0248	Freital-Gittersee	LigCo	J2
0250	Johanngeorgenstadt	Gran	J2
0251	Koenigstein	Sst	J2
0255	Niederschlema-Alberoda ore field	Gran	J2
0257	Tellerhäuser	Gran	J2
0259	Zobes	Gran	J2
0261	Bhatin	Met	N3
0262	Domiasiat (KPN)	Sst	N3
0263	Jaduguda	Met	N3
0266	Narwapahar	Met	N3
0268	Rohil	Mso	M3
0269	Tummalapalle - Rachakuntapalle	Carb	M4
0270	Turamdih	Met	N3
0272	Wahkyn	Sst	N3
0273	Peddagattu	Unc	M4
0274	Remaja-Hitam	Met	O5
0277	Al Abiad-Al Wady	Pho	K3
0278	Al Hassa - Al Qatrana	Pho	K3
0279	Al Shedeye - Eshidia	Pho	K3
0280	Ruseifa	Pho	K3
0282	Tono District (4 Deposits)	Sst	P3
0283	Agashskoye	Met	M2
0285	Assarchik	Sst	M2
0286	Balkashinskoye	Volc	M2
0289	Botaburum	Volc	M2
0290	Budennovskoye 1, 3 & 4	Sst	M2
0291	Burlukskoye	Met	M2
0292	Chaglinskoye	Met	M2
0294	Daba	Volc	M2
0297	Dzhusandalynskoye	Gran	M2
0298	Dzhidely	Volc	M2
0299	Fevralskoye	Met	M2
0300	Glubinnoye	Met	M2
0301	Grachevskoye	Met	M2
0303	Inkai 1, 2 & 3	Sst	M2
0304	Irkol	Sst	M2
0305	Ishimskoye	Met	M2
0306	Kamyshevoye	Met	M2
0307	Kanzhugan	Sst	M2
0308	Karakoyn	Sst	M2
0309	Karamurun North	Sst	M2
0310	Karamurun South	Sst	M2
0311	Karyntaryskoye	Pho	L2
0313	Kharasan 1-North	Sst	M2
0315	Koldzhat	LigCo	N2
0321	Kyzylsay District (8 deposits)	Volc	M2
0323	Kyzyltu	Sst	M2
0326	Manybaiskoye	Volc	M2
0327	Melovoye	Pho	L2
0328	Moynkum Central	Sst	M2
0329	Mynkuduk East	Sst	M2
0330	Nizhneylyiskoye	LigCo	M2
0333	Semizbai	Sst	M2
0335	Shokhpak	Met	M2
0336	Sholak-Espe	Sst	M2
0338	Slavyanskoye	Met	M2
0339	Suluchekinskoye	Sst	M2
0342	Tasmurunskoye	Pho	L2
0344	Taybagarskoye	Pho	L2
0345	Tomakskoye	Pho	L2
0347	Uvanas	Sst	M2
0348	Victorovskoye	Met	M2
0349	Vostok	Met	M2
0352	Zarechnoye	Sst	M2
0353	Zaozernoye	Met	M2
0354	Zhalpak	Sst	M2
0355	Zhautkan	Sst	M2
0356	Zvyozdnoe	Met	M2
0357	Maylisay	Carb	M2
0358	Mailuu-Suu	Carb	M2
0360	Turakavak	LigCo	M2
0367	La Sierrita	Sst	E3
0371	Santo Domingo	Pho	D3
0372	Kayelekera	Sst	K5
0373	Dornod District (12 deposits)	Volc	O2
0374	Gurvanbulak Central Zone	Volc	O2
0375	Kharaat	Sst	O2
0379	Gantour Basin	Pho	I3
0380	Oulad Abdoun Basin	Pho	I3
0381	Meskala Basin	Pho	I3
0382	Oued Eddahab Basin	Pho	I3
0387	Klein Trekkopje	Surf	J6
0388	Langer Heinrich	Surf	J6
0390	Rossing	Int	J6
0391	Tumas	Surf	J6
0392	Valencia	Int	J6
0394	Ebba Nord	Sst	J4
0395	Ebba Sud	Sst	J4
0396	Akola	Sst	J4
0397	Akouta Nord	Sst	J4
0398	Akouta Sud	Sst	J4
0399	Ariege	Sst	J4
0401	Arlette	Sst	J4
0403	Artois	Sst	J4
0404	Abakorum	Sst	J4
0405	Imouraren	Sst	J4
0407	Tamou	Sst	J4
0408	Taza Nord	Sst	J4
0420	Rajsk	Bsh	K2
0428	Nisa	Gran	I3
0432	Urgeirica	Gran	I2
0435	Shinkolobwe-Kasolo	Met	K5
0439	Baita Bihor	Sst	K2
0445	Crucea	Met	K2
0447	Dobrei South	Sst	K2
0456	Tulghes-Grinties	Met	K2
0460	Antei	Volc	O2
0461	Argunskoye	Volc	O2
0463	Badyelskoye	LigCo	L1
0466	Belskoye	LigCo	K2
0468	Beryozovoye	Gran	O2
0469	Beshtaugorskoye	Volc	L2
0472	Briketno-Zheltuhinskoye	LigCo	K2
0474	Buyanovskoye	Sst	O2
0477	Bytuguchag	Gran	Q1
0479	Chaplinskoye	LigCo	S1
0482	Crystalnoye	Gran	O2
0483	Dalneye	Volc	O2
0484	Dobrovolnoye	Sst	M2
0485	Dolmatovskoye	Sst	M2
0486	Druzhnoye	Mso	P2
0487	Dybryn	Sst	O2
0492	Gornoye	Gran	O2
0493	Imskoye	Sst	O2
0494	Interesnoye	Mso	P2
0497	Karhu	Unc	K1
0500	Kedrovoye	Sst	N1
0503	Khiagdinskoye	Sst	O2
0504	Khokhlovskoye	Sst	M2
0505	Kolichikan	Sst	O2
0507	Koretkondinskoye	Sst	O2
0508	Kosmozero	Mso	K1
0513	Lastochka	Volc	P2
0515	Luchistoye	Volc	O2
0516	Malinovskoye	Sst	N2
0517	Malo-Tulukuevskoye	Volc	O2
0518	Martovskoye	Volc	O2
0520	Meridionalnoye	Sst	O2
0522	Namaru	Sst	O2
0524	Novogodneye	Volc	O2
0526	Oktyabrskoye	Volc	O2
0527	Olovskoye	Volc	O2
0528	Osenneye	Met	K1
0530	Prigorodnoye	Sst	N2
0531	Primorskoye	Sst	N2
0533	Pyatilentneye	Volc	O2
0534	Rodionovskoye	Sst	O2
0537	Repyevskoye	Carb	L2
0538	Rjabinovoye	Volc	N2
0539	Sanarskoye	Surf	M2
0544	Shirondukuevskoye	Volc	O2
0550	Srednaya Padma	Mso	K1
0551	Stepnovskoye	Pho	L2
0553	Stepnoye	Sst	O2
0555	Streltsovskoye	Volc	O2
0559	Tetrakhskoye	Sst	O2
0562	Tsarevskoye	Mso	K1
0564	Tulukuevskoye	Volc	O2
0566	Ust-Uyukskoye	Sst	N2
0568	Vershinnoye	Sst	O2
0573	Vitlandskoye	Surf	O2
0576	Yubileinoye	Volc	O2
0578	Yugo-Zapadnoye	Volc	O2
0580	Zheglovskoye	Sst	O2
0581	Zherlovoye	Volc	O2
0583	Zjulzinskoye	Sst	O2
0585	Blyvooruitzicht Tailings	PQPC	K6
0586	Buffelsfontein	PQPC	K6
0587	Chemwes-Stilfontein	PQPC	K6
0588	Driefontein Mine	PQPC	K6
0589	Free State Geduld	PQPC	K6
0590	Harmony	PQPC	K6
0591	Hartebeestfontein	PQPC	K6
0592	Loraine	PQPC	K6
0593	Phalabora	Int	K6
0594	President Brand Mine	PQPC	K6
0595	President Steyn	PQPC	K6
0597	Oryx Mine (Beatrix West Section)	PQPC	K6
0599	Western Rand Tailings	PQPC	K6
0600	Western Areas Mine	PQPC	K6
0601	Western Deep Levels Mine	PQPC	K6
0602	Western Holdings	PQPC	K6
0603	Alio Ghelle	Mso	L4
0604	Dusa Mareb-El Bur District	Surf	L4
0606	Zirovski Vrh	Sst	J2
0616	Mina Fe	Gran	I2
0618	Retortillo	Gran	I2
0622	Ranstad	Bsh	J2
0625	Bailik	Bsh	L2
0626	Sernoye	Sst	L2
0632	Yozgat-Sorgun	Sst	K3
0633	Adamivske	LigCo	K2
0638	Kalynivske	Int	K2
0642	Michurinske	Mso	K2
0646	Pershotravneve	Mso	K2
0648	Safonivske	Sst	K2
0649	Severinivske	Mso	K2
0651	Vatutinske	Mso	K2
0652	Yuzhnoye	Int	K2
0653	Zhovtorichenske	Mso	K2
0655	Alta Mesa	Sst	E3
0656	Alta Verde	Sst	E3
0657	Ambrosia Lake District (Dysart)	Sst	D3
0658	Anderson Mine	Volc	D3
0660	Bear Creek Mines	Sst	D2
0662	Bernabe-Montano District	Sst	D3
0663	Big Buck / Velvet	Sst	D3
0664	Big Eagle Phase2/Green Mountain	Sst	D2
0666	Marsland Big Red	Sst	D3
0670	Borrego Pass	Sst	D3
0675	Butler-Weddington	Sst	E3
0680	Central Florida District	Pho	E3
0683	Christensen Ranch	Sst	D2
0684	Churchrock - Section 4	Sst	D3
0686	Clay West	Sst	E3
0688	Copper Mountain	Gran	D2
0689	Crooks Gap District	Sst	D2
0690	Crow Butte	Sst	D2
0691	Crownpoint	Sst	D3
0694	Dewey-Burdock	Sst	D2
0695	East Florida District	Pho	E3
0696	East Gas Hills	Sst	D2
0699	Fernandez Main Ranch	Sst	D3
0701	Jackpot Mine	Sst	D2
0704	Hansen	Sst	D3
0710	Highland	Sst	D2
0711	Holiday-El Mesquite	Sst	E3
0713	Irigaray	Sst	D2
0716	Jackpile - Paguate	Sst	D3
0722	Kingsville Dome	Sst	E3
0723	L-Bar Ranch	Sst	D3
0724	La Jara Mesa	Sst	D3
0728	Lee	Sst	D3
0729	Deremo Mine	Sst	D3
0732	Long Park	Sst	D3
0735	Lucky Mc Mine	Sst	D2
0737	Mancos-Sections 7-12	Sst	D3
0738	Mariano Lake	Sst	D3
0743	Mi Vida	Sst	D3
0744	Midnite	Gran	D2
0745	Monogram Mesa	Sst	D3
0751	Mount. Taylor Mine	Sst	D3
0752	Narrow Canyon	Sst	D3
0756	North Butte / Brown Ranch	Sst	D2
0757	North Florida District	Pho	E3
0758	Northeast Florida District	Pho	E3
0763	Pandora	Sst	D3
0764	Panna Maria	Sst	E3
0767	Petrotomics / Dave	Sst	D2
0771	Pitch Mine	Met	D3
0775	West Reno Creek	Sst	D2
0776	Rhode Ranch District	Sst	E3
0777	Rio Puerco	Sst	D3
0781	Ruby	Sst	D3
0785	Saint Anthony/M-6	Sst	D3
0789	Schwartzwalder Mine	Met	D3
0792	Sherwood Mine	Sst	D2
0794	Shirley Basin Mine	Sst	D2
0796	Slick Rock District	Sst	D3
0797	Smith Ranch	Sst	D2
0798	South Florida District	Pho	E3
0799	South Morton Ranch	Sst	D2
0802	Sweetwater Mine	Sst	D2
0803	Taylor Ranch	Sst	D3
0805	Tony M	Sst	D3
0809	Atkinson Mesa District	Sst	D3
0810	Vanadium	Sst	D3
0812	West Gas Hills	Sst	D2
0813	West Largo	Sst	D3
0814	Whiskey Peak / Green Mountain	Sst	D2
0815	Agron	Sst	M3
0816	Aktau	Sst	M2
0817	Alatanga	Volc	M2
0818	Alendy	Sst	M2
0820	Aulbek	Sst	M2
0823	Beshkak	Sst	M2
0824	Bukinay North	Sst	M2
0826	Chauli	Volc	M2
0827	Dzhantuar	Bsh	M2
0828	Kenimekh	Sst	M2
0830	Kendyktjube	Sst	M2
0831	Ketmenchi	Sst	M3
0833	Lyavlyakan	Sst	M2
0835	Meylysai	Sst	M2
0836	Nagornoye	Sst	M3
0837	Rudnoye	Bsh	M2
0838	Sabyrsay	Sst	M3
0839	Severny Kanimekh	Sst	M2
0841	Shark	Sst	M3
0842	Sugraly	Sst	M2
0845	Tutlyinskaya	Sst	M3
0846	Uchkuduk	Sst	M2
0847	Ulus	Sst	M3
0849	Yuzhny Bukinai	Sst	M2
0851	Khe Hoa-Khe Cao	Sst	O4
0890	Tabelle	Sst	J4
0891	Taza Sud	Sst	J4
0892	Takriza	Sst	J4
0893	Tamgak	Sst	J4
0895	Marianne - Maryline	Sst	J4
0929	Church Rock - Section 8 and 17	Sst	D3
0930	Peach	Sst	D2
0932	Reynolds Ranch	Sst	D2
0942	Tortkuduk	Sst	M2
0947	Oobagooma-Yampi	Sst	P5
0948	91 Ranger 1 N°1	Unc	P5
0951	Jabiluka 2	Unc	P5
0952	Ranger 1 N°3	Unc	P5
0953	Oberschlema	Gran	J2
0955	Val Vedello	Volc	J2
0977	Prominent Hill	PBx	P6
0979	Nolans Bore	Int	P6
0981	Ace-Fay-Verna	Met	D2
0982	Andrew Lake	Unc	E1
0985	End Grid	Unc	E1
0988	Horseshoe	Unc	D2
0990	Millennium	Unc	D2
0992	P Patch Zone	Unc	D2
0994	Shea Creek-Anne	Unc	D2
0995	Shea Creek-Colette	Unc	D2
0996	Shea Creek-Kianna	Unc	D2
0998	Cluff Lake Dominique-Peter	Unc	D2
0999	Cluff Lake Dominique-Jeanine	Unc	D2
1000	Collins Bay B	Unc	D2
1003	Kiggavik Centre	Unc	E1
1006	Sue C	Unc	D2
1008	Sue E	Unc	D2
1010	Eldorado (Port Radium)	Met	D1
1012	Bagjata	Met	N3
1013	Banduhurang - Turamdih South	Met	N3
1030	Gogi	Gran	M4
1031	Chitrial	Unc	M4
1042	BJ Lake	Unc	D2
1051	Centennial	Unc	D2
1053	Charlebois Lake	Int	D2
1059	Dieter Lake	Bsh	F2
1075	Jacques Lake	Mso	G2
1077	Drope Lake - La Ronge	Int	D2
1078	Lac Cinquante	Met	E1
1082	Midwest A	Unc	D2
1083	Matoush	Sst	F2
1086	Roughrider	Unc	D2
1091	Mountain Lake	Sst	D1
1099	P2 Main	Unc	D2
1100	Paul Bay	Unc	D2
1110	Tamarack	Unc	D2
1120	Shihongtan	Sst	N2
1121	Zhaohuohao (396)	Sst	O3
1138	Allied Zones	Int	F2
1139	Apple	PQPC	F2
1143	Can-Met	PQPC	E2
1145	Eco Ridge Mine	PQPC	E2
1150	L	Sst	F2
1156	Stanrock	PQPC	E2
1162	Veznice	Met	J2
1165	Luena Basin	LigCo	K5
1166	Musonoi Extension	Met	K5
1168	Siwaqa	Surf	K3
1169	Akdala	Sst	M2
1176	Falea	Sst	I4
1178	Khairkhan	Sst	O2
1179	Ulaan Nuur	Sst	O2
1180	Aussinanis	Surf	J6
1181	Anomaly A (Etango)	Int	J6
1184	Marenica	Surf	J6
1185	Trekkopje	Surf	J6
1187	Arcadie	Sst	J4
1191	Nord Somair	Sst	J4
1192	Taossa	Sst	J4
1193	Teguidda (Ir, G, T)	Sst	J4
1195	Yuti	Sst	G6
1196	Corachapi	Volc	F5
1198	Kemchug	Volc	N2
1200	Ghurayyah	Int	K3
1203	Kuriskova	Volc	K2
1204	Novoveska Huta	Volc	K2
1209	Denny Dalton	PQPC	K6
1210	Dominion Reefs	PQPC	K6
1211	Ezulwini	PQPC	K6
1212	Rietkuil	PQPC	K6
1213	Ryst Kuil	Sst	K6
1214	Springbok Flats	LigCo	K6
1215	Gambuta	Gran	I3
1218	Duobblon	Volc	J1
1225	Tasjo District	Pho	J1
1231	Dibwe	Sst	K5
1235	Mutanga Main	Sst	K5
1237	Njame	Sst	K5
1238	Severnoye	Mso	P2
1239	Tsentralne	Mso	K2
1240	Novokostyantynivske	Mso	K2
1241	Pidhajtsivske	Mso	K2
1247	Abeta	PQPC	E2
1248	Banana Lake	PQPC	E2
1253	Gaertner	Unc	D2
1254	Millaqua	PQPC	E2
1255	Silvermaque	PQPC	E2
1258	Serule Nw	Sst	K6
1267	Firawa	Met	I4
1268	Kanyika	Int	K5
1269	Garnet Valley	Int	J6
1270	Namib Park	Surf	J6
1272	Oryx (Tumas 3)	Surf	J6
1277	Beisa North	PQPC	K6
1279	Cooke / Old Randfontein Tailings	PQPC	K6
1280	East Rand Consolidated Tailing	PQPC	K6
1284	Potchefstroom Goldfield	PQPC	K6
1285	Southern Free State (4 deposits)	PQPC	K6
1286	Vaal River Tailings	PQPC	K6
1290	Nyota	Sst	K5
1298	North Shore Double S Zone	Int	F2
1299	North Shore Middle Zone	Int	F2
1300	North Shore Tj Zone	Int	F2
1303	Chuquicamata	Int	F6
1307	Oshively	Int	J6
1311	MMS Vicken	Bsh	J1
1313	Sw Reno Creek	Sst	D2
1316	Four Mile East	Sst	P6
1317	Dawson-Hinkler	Surf	P6
1319	Windimurra	Surf	O6
1327	Blackbush	Sst	P6
1329	E1 North & South	PBx	Q6
1330	Four Mile West	Sst	P6
1331	Hillview	Surf	O6
1339	Araxa	Int	G5
1342	Olinda	Pho	H5
1343	Pitinga	Int	F5
1347	Amer Lake- Main Zone	Sst	E1
1351	Moran Lake C Zone	Met	F2
1358	Phoenix	Unc	D2
1359	Pama	Pho	K4
1360	Pato	Pho	K4
1361	Patricia	Pho	K4
1367	Sierra Gorda	Int	F6
1368	Chengxian Mine	Bsh	O3
1370	Lantian Mine	Gran	O3
1374	Saima	Int	P2
1377	Berlin	Sst	F4
1378	Brzkov	Met	J2
1383	Pecs	Sst	J2
1390	Tyuya-Muyum	Carb	M2
1395	San Juan De La Costa	Pho	D3
1397	Turgen District	Volc	O2
1398	Ugtam	Volc	O2
1400	Inca	Mso	J6
1401	Imca 25	Sst	J4
1402	Irhawenzegirhan	Sst	J4
1406	Isakanan	Sst	J4
1408	Taunsa	Sst	M3
1409	Colibri 2 & 3	Volc	F5
1413	Abu Tartur	Pho	K3
1414	Akashat	Pho	K3
1415	Elkon	Mso	P2
1416	Elkonskoe Plateau	Mso	P2
1417	Kurung	Mso	P2
1419	Kopanang Mine	PQPC	K6
1421	Sageras-Zona M	Gran	I2
1424	Palmira District	Pho	K3
1429	Antelope	Sst	D2
1431	Aurora	Volc	D2
1432	Bingham Canyon	Int	D2
1433	Black Jack 1 & 2	Sst	D3
1443	Coles Hill North	Mso	F3
1444	Coles Hills South	Mso	F3
1461	Hank Unit	Sst	D2
1462	Hosta Butte	Sst	D3
1465	Juan Tafoya	Sst	D3
1467	Kings Valley	Volc	D2
1468	Los Quatros	Volc	D3
1469	Lost Creek	Sst	D2
1470	Lost Soldier	Sst	D2
1471	Marquez	Sst	D3
1479	Section 22 (New Mexico)	Sst	D3
1480	Section 23 (New Mexico)	Sst	D3
1481	Section 24 (New Mexico)	Sst	D3
1485	Section 30 (New Mexico)	Sst	D3
1489	Sheep Mountain	Sst	D2
1494	Velvet-Wood Mines	Sst	D3
1495	Virgin Valley	Volc	D2
1503	Tabhing Area	Sst	O4
1505	Malundwe	Met	K5
1508	Double 8	Sst	P6
1515	Lujing District (5 deposits)	Gran	O3
1517	Qianjiadian (2 deposits)	Sst	P2
1520	Serres Basin	LigCo	K2
1521	Inkai South-4	Sst	M2
1525	Onkelo	Int	J6
1526	Bayovar	Pho	E5
1527	Neprokhodimoye	Mso	P2
1532	Goliad	Sst	E3
1534	Hack Canyon 2	CBx	D3
1542	Budennovskoye 2	Sst	M2
1543	Ambassador	LigCo	P6
1544	Emperor	LigCo	P6
1546	Gorgon Main	Sst	K6
1547	Kraken	Sst	K6
1548	Husab - Zone 1	Int	J6
1549	Husab - Zone 2	Int	J6
1550	Shanawah	Sst	M3
1554	Negev Desert District	Pho	K3
1562	Beatrix	PQPC	K6
1563	Kloof Tailings	PQPC	K6
1564	South Deep Mine (Underground)	PQPC	K6
1565	Cooke 1, 2 & 3/Old Randfontein	PQPC	K6
1568	Barber	Sst	D2
1569	Boyer	Sst	D3
1571	Coyote Basin	LigCo	D2
1575	Noah	Sst	D3
1576	North West Taylor	Sst	D3
1579	Ross	Sst	D2
1582	Roca Honda Mine	Sst	D3
1583	Attarat-Wadi Maghar	Pho	K3
1585	Gachin	Surf	L3
1590	Toongi	Int	Q6
1591	Beerwalde-Korbussen	Bsh	J2
1592	Bernsbach	Gran	J2
1596	Crimmitschauer Fault Zone	Bsh	J2
1597	Drosen	Bsh	J2
1601	Gera Sud	Sst	J2
1604	Kyhna - Schenkenberg	Volc	J2
1605	Lichtenberg	Bsh	J2
1607	Paitzdorf	Bsh	J2
1609	Prehna	Bsh	J2
1611	Schmirchau - Reust	Bsh	J2
1619	Zeitz - Baldenhain	Bsh	J2
1620	Kaynar	Sst	M2
1622	Kharasan 2-South	Sst	M2
1623	Moynkum South	Sst	M2
1624	Mynkuduk Central	Sst	M2
1625	Mynkuduk West	Sst	M2
1626	Chubu	Bsh	P3
1628	Gumsan	Bsh	P3
1632	Yokwang	Bsh	P3
1636	Takardeit	Sst	J4
1637	Tin Negouran	Sst	J4
1641	Zona Pologaya	Mso	P2
1652	Cappers	Surf	P6
1653	Archontovounis	Gran	K2
1656	Alameda	Gran	I2
1659	Haggan	Bsh	J1
1662	Husab - Zone 3	Int	J6
1664	Husab - Zone 4	Int	J6
1665	Great Nolingwa Mine	PQPC	K6
1666	Moab Khotsong	PQPC	K6
1667	Mponeng	PQPC	K6
1671	Majuelos	Gran	I2
1675	Tubas Red Sand	Surf	J6
1694	Carley Bore	Sst	O6
1695	Odin	Mso	P6
1696	Gorgon West	Sst	K6
1697	Gorgon South	Sst	K6
1699	Catalao	Int	G5
1700	Drucourt Zone	Int	F2
1702	J Zone	Unc	D2
1703	Kolmisoppi	Bsh	K1
1704	Kuusilampi	Bsh	K1
1708	Khan Azzabib	Surf	K3
1709	Sadyrnynskoye	Pho	L2
1710	Hyena	Int	J6
1711	Ondjamba	Int	J6
1712	Miriam	Sst	J4
1713	Isivilla	Volc	F5
1715	Tantamaco	Volc	F5
1717	Jabal Sayid	Int	L3
1725	Phosphoria Formation	Pho	D2
1742	MML-E	Sst	J2
1743	Tuyuk-Suu	LigCo	M2
1755	Carrapateena	PBx	P6
1757	Pepegoona	Sst	P6
1759	San Hilario	Pho	D3
1761	Tembabiche	Pho	D3
1762	UF1	Pho	D3
1763	Gilbat Lafhouda	Int	I3
1764	Twihinate	Int	I3
1765	De Bron	PQPC	K6
1767	Riet Kuil	Sst	K6
1768	Guanaco	Surf	F7
1770	Plumbush	Sst	P6
1772	Serule W	Sst	K6
1774	Radomiro Tomic	Int	F6
1775	A 238	Mso	I3
1776	Ain Sder C1-CJ-CR	Surf	I3
1777	Oued El Foule East	Surf	I3
1778	Oum Ferkik L-K	Surf	I3
1780	Ongolo	Int	J6
1781	Husab - Zone 5	Int	J6
1782	Al Jamalid	Pho	L3
1783	East Ebro Valley (5 deposits)	LigCo	I2
1784	Temrezli	Sst	K3
1791	Bikini	Mso	P6
1793	Millipede	Surf	P6
1796	Rio Cristallino	Sst	G5
1797	Pecors East	PQPC	E2
1798	MA 7	Int	J6
1799	Namibplass	Int	J6
1803	Dulaan Uul	Sst	O2
1805	Lubin-Sieroszowice	Bsh	J2
1810	Congo Pit	Sst	D2
1819	Todilto District	Carb	D3
1821	Igarape Bahia	PBx	G5
1822	Salobo	PBx	G5
1823	Sossego	PBx	G5
1824	J4/Ray	Met	E1
1826	Zoovch Ovoo	Sst	O2
1829	Ranger Deeps	Unc	P5
1830	Illimaussaq Zone 3	Int	G1
1831	Gabbal Guttar	Gran	K3
1836	Manyoni District-Zone C 1	Surf	K5
1844	Theseus	Sst	P6
1846	Frazer Lake-Zone B	Int	D2
1849	Guyuan	Volc	O3
1850	Hechaokeng	Gran	O2
1851	Kujiertai	Sst	N2
1854	Pannikan	Sst	P6
1855	Pepegoona West	Sst	P6
1856	Buckton Zone	Bsh	D2
1858	Taoshan	Gran	O3
1859	La Banane	Sst	J4
1864	Msne	Sst	J4
1866	Oak Dam	Sst	P6
1868	Maoyangtuo (570)	Met	O3
1869	Wukuerqi	Sst	N2
1872	Plouznice	Sst	J2
1874	Sorensen	Int	G1
1878	Dwaima	Pho	K3
1879	Ethna	Pho	K3
1880	Hirri	Pho	L3
1881	H 3	Pho	K3
1882	Marbat	Pho	L3
1883	Swab	Pho	K3
1885	Ulzitt	Sst	O2
1886	Dajy	Sst	J4
1887	Dasa 1, 2 & 3	Sst	J4
1891	Marby	Bsh	J1
1894	Minjingu	Pho	K5
1911	Kendrick	Sst	D2
1913	Lisbon Mine	Sst	D3
1922	North Reno Creek	Sst	D2
1923	Nose Rock	Sst	D3
1936	Twin Butte	Int	D3
1938	White Canyon District	Sst	D3
1939	Yerington	Int	D3
1941	Buckton South	Bsh	D2
1942	Canuc Zone	PQPC	E2
1943	Milo	PBx	Q6
1945	Gemico Block 3	PQPC	E2
1946	Gemico Block 10	PQPC	E2
1947	Triple R	Unc	D2
1948	Teasdale Lake Zone	PQPC	E2
1949	Bayinwula	Sst	O2
1951	Shashagetai	Sst	O3
1952	Sunjialiang	Sst	O3
1955	Z 20	Int	J6
1956	Armelle	Sst	J4
1957	Tamani	Sst	J4
1958	Tamgak Deep	Sst	J4
1959	Taverse	Sst	J4
1960	Bloemhoek	PQPC	K6
1961	Cooke 4 (Gauteng)	PQPC	K6
1967	Chattanooga Shale Formation	Bsh	E3
1969	Dibwe East	Sst	K5
1971	Northern Great Plains	LigCo	D2
1972	Happy Valley 2-15	Int	J6
1973	Happy Valley 18	Int	J6
1978	West Rand Tailings (Wrtrp)	PQPC	K6
1979	West Witts Tailings (13 Tailings)	PQPC	K6
1980	Narke	Bsh	J2
1988	Palua	Sst	O4
1989	Parong	Sst	O4
1990	Tebessa District	Pho	J3
1991	Fosse-Pamela	Pho	K4
1992	El Sebaeya East	Pho	K3
1993	Red Sea District	Pho	K3
1994	Chatham Rise	Pho	R7
1995	Gafsa-Metlaoui District	Pho	J3
1996	Binh Duong	Pho	O3
1998	Nong Son	LigCo	O4
2000	Monument Valley District	Sst	D3
2002	Fab Trend	Sst	D2
2007	Billeroo	Sst	P6
2008	Brooks Dam	Sst	Q6
2009	Four Mile North-East	Sst	P6
2029	Arrow	Unc	D2
2032	Gryphon	Unc	D2
2034	Mann Lake	Unc	D2
2040	Léré	Mso	J4
2041	Motzfeldt	Int	G1
2047	La Terraza	Volc	F6
2053	Terraza North	Volc	F6
2054	Tigre I	Volc	F6
2845	Stilfontein	PQPC	K6
4176	Treviels	Sst	J2
4192	Baltoscandia District	Bsh	K2
4196	Kok Moinok	Gran	M2
4198	Aghracha	Surf	I3
4199	Drag-Al Farnane	Int	I3
4202	Tarfaya Basin	Bsh	I3
4203	Timahdit Basin	Bsh	I3
4204	Welwitschia Flats	Surf	J6
4210	Chilcuno Chico	Volc	F5
4212	Quebradra Blanca	Volc	F5
4221	Al Khabra	Pho	K3
4222	Umm Wu'Al	Pho	K3
4223	Blyvooruitzicht Mine	PQPC	K6
4224	Daggafontein Mine	PQPC	K6
4226	Doornfontein	PQPC	K6
4228	Driefontein Tailings	PQPC	K6
4236	Ergo	PQPC	K6
4238	Freddies	PQPC	K6
4241	Luipaardsvlei	PQPC	K6
4243	Vaal Reefs Mine	PQPC	K6
4244	Virginia	PQPC	K6
4250	West Rand Consolidated Mine	PQPC	K6
4258	Cliffside Mine	CBx	D3
4261	Round Top	Int	D3
4265	Pilanesberg - Ledig Zone	Int	K6
4266	Krasnoselskoye	Bsh	K2
4267	Kotlovskoye	Bsh	K2
4268	Durban (Roodeport) Deep	PQPC	K6
4269	Kosachinoye	Met	M2
4270	El Sebaeya West	Pho	K3
4271	Mecsec Mine	Sst	J2
4272	Saaiplaas	PQPC	K6
4273	Deelkrall	PQPC	K6
4274	Mabounie	Int	J5
4275	Jeanette	PQPC	K6
4276	Fox Lake	Unc	D2
4277	Bytiz 4, 22-40	Gran	J2
4278	Engenho	Mso	G5
4279	Smaldeel	PQPC	K6
4280	Afrikander	PQPC	K6
4281	Zheltorechenske	Mso	K2
4282	Da Rabicha	Mso	G5
4283	Hamr South (Hamr II)	Sst	J2
4284	Bukinay South	Sst	M2
4285	Cristalino	PBx	G5
4286	Khamsin	PBx	P6
4287	Cachoeira	Mso	G5
4288	Kalbasfontein	PQPC	K6
4289	Litne	Mso	K2
4290	Balkovskoye	Pho	L2
4291	Mengqiguer 2	Sst	N2
4292	Zuurbekom	PQPC	K6
4293	Ebene	Sst	J4
4294	Modesto	Mso	G5
4295	Elandsrand	PQPC	K6
4296	Aquelt Assfaya	Surf	I3
4297	Ernest Henry	PBx	Q6
4298	Hakkies	PQPC	J6
4299	Phoenix	PQPC	K6
4300	Puissagtaq	Gran	G1
4301	Sutherland 2	Sst	K6
4302	Juzkuduk	Sst	M3
4303	Lesetice	Gran	J2
4304	Rhenosterroek	PQPC	K6
4305	Ergo Tailings	PQPC	K6
4306	Middle Dome	Int	J6
4307	Zvezdnoye	Met	M2
4308	Banadungri-Sinidungri	Met	N3
4309	Area 1 East	PQPC	K6
4310	Doornrivier	PQPC	K6
4311	Bofal-Loubboira	Pho	I4
4312	Alemao	PBx	G5
4313	Zhuravlinoye	Volc	O2
4314	Holicky	Sst	J2
4315	Hnativske	Mso	K2
4316	Yuriivske	Mso	K2
4317	Partyzanske	Mso	K2
4318	Pivdennokonoplyanske	Mso	K2
4319	Pivnichnokonoplyanske	Mso	K2
4320	Dokuchaevske	Mso	K2
4321	Kvitneve	Mso	K2
4322	Schorsivske	Mso	K2
4323	Lelekivske	Mso	K2
4324	Hannivka	Mso	K2
4325	Lisne	Mso	K2
4326	Kremenchugske	Mso	K2
4327	Jeruzalem	Gran	J2
4328	Melkraals	PQPC	J6
4329	Grootvlei Tailings	PQPC	K6
4330	Baimadong	Carb	O3
4331	Kareeport	Sst	K6
4332	Fochville	PQPC	K6
4333	Krizani	Sst	J2
4334	Boztauskaya	Bsh	M2
4335	Tushinskoye	Met	M2
4336	Mestena Grande	Sst	E3
4337	Haanekuil	Sst	K6
4338	Vermeulenskraal North	PQPC	K6
4339	Moab Extension	PQPC	K6
4340	Sarydjaz	Bsh	M2
4341	Robijn	PQPC	K6
4342	Salem	Int	J6
4343	Elandsfontein	Sst	K6
4344	Tshepong	PQPC	K6
4345	Phakisa	PQPC	K6
4346	Brod	Gran	J2
4347	Weltevreden	PQPC	K6
4348	Pocos De Caldas-Agostino	Int	G6
4349	Graben	Sst	F7
4350	Kyzyl	Volc	M2
4351	Das Quebradas	Mso	G5
4352	Laranjeiras	Mso	G5
4353	Prudovoye	Pho	L2
4354	Buratinskoye South	Pho	L2
4355	Bagaburulskoye NE	Pho	L2
4356	Kharabulukskoye North	Pho	L2
4357	Bagaburulskoye	Pho	L2
4358	Nugrinskoye	Pho	L2
4359	Bogorodskoye	Pho	L2
4360	Shargadykskoye	Pho	L2
4361	Yashkulskoye	Pho	L2
4362	Centralnoye	Pho	L2
4363	Troitskoye	Pho	L2
4364	Abou Skhair	Carb	L3
4365	Wangjiachong	Sst	O3
4366	Sirotininsk	Sst	O2
4367	Smolenskoye	Sst	N2
4368	Chasovoye	Gran	O2
4369	Korolevskoye	Gran	O2
4370	Bystroye	Sst	N2
4371	Bashibulak	Sst	M3
4372	Nekrakovskoye	Pho	L2
4373	Vranov	Sst	J2
4374	Srni Potok	Sst	J2
4375	Pavlin	Sst	J2
4376	Xinwu Basin (5 deposits)	Sst	O3
4377	Arnold	Sst	J4
4378	Aride	Sst	J4
4379	Yarkuduk	Sst	M3
4380	Istiklol	Sst	M2
4381	Wuhisan	Sst	N2
4382	Wuhier	Sst	N2
4383	North Tamdinskaya	Bsh	M2
4384	Wuyiyi	Sst	N2
4385	Baxingtu	Sst	P2
4386	Kenze	Sst	M2
4387	Likhmanovske	Mso	K2
4388	YGOK	Mso	K2
4389	Stetchovskaya	Mso	K2
4390	Krasnogvardeiske	Mso	K2
4391	Annovske	Mso	K2
4392	Kirovskii	Mso	K2
4393	Stankovatskaya	Mso	K2
4394	Kurnikoskoye-W	Mso	K2
4395	Stepne	Mso	K2
4396	Novopavdovske	Mso	K2
4397	Manuiylivske	Mso	K2
4398	Steblevskaya	Mso	K2
4399	Podgaitsevskoye	Mso	K2
4400	Andriiivske	Mso	K2
4401	Kohanivske	Mso	K2
4402	Rand Proprietary M Tailings	PQPC	K6
4403	Honghaigou	Sst	N2
4404	Tamdikuduk-Tulyantashkaya	Sst	M3
4405	Masimong	PQPC	K6
4406	South Deep Mine (Tailings)	PQPC	K6
4407	Vredefort	PQPC	K6
4408	Gurvanbulak Intermediate Zone	Volc	O2
4409	Plateau West	Sst	F7
4410	Fraserburg 2	Sst	K6
4411	Fraserburg	Sst	K6
4412	Mazarete Extension W (Zona II)	Sst	I2
4413	Pirna	Sst	J2
4414	Tierhoek	Sst	K6
4415	Vermeulenskraal	PQPC	K6
4416	St Helena Tailings	PQPC	K6

IAEA International Atomic Energy Agency

WORLD DISTRIBUTION OF COLLAPSE BRECCIA PIPE URANIUM DEPOSITS

SECOND EDITION: 2018

Scale 1: 1:35 000 000

Kilometres 500 0 500 1,000 1,500 2,000 Kilometres

Mercator Projection: Central Meridian 10°

Map production by M.C. Fairclough (IAEA), J.A. Irvine (Australia), L.F. Katona (Australia) and W.L. Slimmon (Canada). World Distribution of Uranium Deposits, International Atomic Energy Agency, Vienna, Austria. Cartographic assistance was supplied by the Geological Survey of South Australia, the Saskatchewan Geological Survey and United States Geological Survey to the IAEA.

Deposit data derived from IAEA UDEPO (http://infcis.iaea.org/UDEPO/About.cshtml) database with assistance from P. Bruneton (France), M. Mihalasky (U.S.A.), M. Cuney (France), M. Aranha (IAEA), O. Pylypenko (IAEA) and K. Poliakovska (IAEA). The map is an updated companion to "World Distribution of Uranium Deposits (UDEPO) with Uranium Deposit Classification, IAEA Tech-Doc-1629" and "World Distribution of Uranium Deposits (UDEPO) 2016 Edition, IAEA Tec-Doc in-preparation". Map data is current to beginning 2017.

Geology was derived from L.B. Chorlton, Generalized Geology of the World, Geological Survey of Canada, Open File 5529, 2007 under Open Government Licence - Canada (http://data.gc.ca/eng/open-government-licence-canada)

Coastlines and drainage were obtained from Natural Earth public domain vector map data (http://www.naturalearthdata.com/about/terms-of-use). Country boundaries are from the United Nations² (http://www.un.org/Depts/Cartographic/english/htmain.htm). The use of particular designations of countries or territories does not imply any judgement by the publisher, the IAEA, as to the legal status of such countries or territories, of their authorities and institutions or of the delimitation of their boundaries. Dotted line represents approximately the Line of Control in Jammu and Kashmir agreed upon by India and Pakistan. The final status of Jammu and Kashmir has not yet been agreed upon by the parties. Final boundary between the Republic of Sudan and the Republic of South Sudan has not yet been determined.

Deposit Type	Deposit Subtype	Deposit Size (tU original or produced+remaining resource): < 1 000	1 001 - 5 000	5 001 - 25 000	25 001 - 100 000	> 100 000
1. Intrusive (Int)	Anatectic					
	Plutonic¹					
2. Granite-related (Gran)	Endogranitic					
	Perigranitic					
3. Polymetallic Fe oxide breccia complex¹ (PBx)						
4. Volcanic-related (Volc)	Stratabound					
	Structure-bound					
	Volcano-sedimentary					
5. Metasomatite (Mso)	Na-metasomatite					
	K-metasomatite					
	Skarn					
6. Metamorphite (Met)	Stratabound					
	Structure-bound					
	Marble-hosted					
7. Proterozoic unconformity (Unc)	Unconformity-contact					
	Basement-hosted					
	Stratiform fracture-controlled					
8. Collapse breccia pipe (CBx)						
9. Sandstone (Sst)	Basal channel					
	Tabular					
	Roll-front					
	Tectonic-lithologic					
	Mafic dykes/sills					
10. Paleo quartz-pebble conglomerate (PQPC)	U-dominant					
	Au-dominant¹					
11. Surficial (Surf)	Peat-bog					
	Fluvial valley					
	Lacustrine-playa					
	Pedogenic and fracture fill					
12. Lignite-coal¹ (LigCo)	Stratiform					
	Fracture controlled					
13. Carbonate (Carb)	Stratabound					
	Cataclastic					
	Paleokarst					
14. Phosphate¹ (Pho)	Organic phosphorite					
	Microchemical phosphorite					
	Continental phosphate					
15. Black shale (BSh)	Stratiform					
	Stockwork					

- Undifferentiated and unverified Uranium occurrence with no known resource estimation
- Undifferentiated Thorium deposit and occurrence from IAEA ThDEPO database

The Dep IDs are unique deposit identification numbers corresponding to the IAEA UDEPO database records. A deposit is defined as there is known to be a resource estimation undertaken. If the exact estimation is unknown, an estimated range is generated by IAEA. This is particularly so with unconventional resources¹ from which uranium is present at very low grades and/or only recoverable as a minor by-product using special processing techniques. Resources shown are not current remaining resources, but are the maximum of original geological resource, production figures or remaining resources at the lowest available cut-off grade. They include historic resources, and so may not be compliant with contemporary reporting standards and are not endorsed by IAEA as such. Where available, resource estimations for individual discrete ore zones are shown. Where this is not possible, some aggregation of resources are necessary. No economic or financial inferences with respect to recoverability of uranium are intended. The list of deposits is not exhaustive or current. There are 2831 deposits shown on the face of the map, but only those 102 greater than 100 000tU, or currently producing uranium, are named. Other deposits greater than 2500tU (863 deposits) are numbered, and along with larger or producing deposits, are listed below the map face. All other deposits (1866) 2500tU or less are only shown as symbols with no annotation but can be queried as described in https://helpx.adobe.com/acrobat/using/geospatial-pdfs.html.

Map Legend

- Populated place
- Railroad
- Road
- Country boundary²
- Fault trace

Lithology

- Metamorphic rocks
- Intrusive rocks
- Sedimentary and volcanic rocks
- Sedimentary rocks
- Tectonized rocks
- Volcanic and intrusive rocks
- Volcanic rocks

Era

- Holocene and Recent ice cap
- Cenozoic
- Mesozoic
- Paleozoic
- Neoproterozoic
- Mesoproterozoic
- Paleoproterozoic
- Proterozoic (undifferentiated)
- Archean and Proterozoic

Dep ID	Dep Name	Dep Type	Grid
0001	Abankor	Met	J3
0004	Timgaouine	Gran	J3
0005	Tinef	Met	J3
0006	Cerro Solo	Sst	F7
0011	Rodolfo	Sst	F6
0014	Angela	Sst	F6
0017	Ben Lomond	Volc	Q5
0018	Bennetts Well	Sst	O6
0019	Beverley	Sst	P6
0020	Bigrlyi	Sst	P6
0022	Centipede	Surf	P6
0029	Goulds Dam	Sst	P6
0032	Honeymoon	Sst	Q6
0033	Huarabagoo	Sst	P5
0034	Jabiluka 1	Unc	P5
0035	Junnagunna	Sst	P5
0036	Kintyre	Unc	P6
0037	Koongarra 1	Unc	P5
0038	Lake Maitland	Surf	P6
0041	Lake Way	Surf	P6
0043	Manyingee	Sst	O6
0044	Mary Kathleen	Mso	Q6
0047	Mount Gee	PBx	P6
0050	Nabarlek	Unc	P5
0051	Napperby	Surf	P6
0052	Nowthana	Surf	O6
0053	Olympic Dam	PBx	P6
0059	Ranger 68	Unc	P5
0060	Redtree	Sst	P5
0062	Skal	Mso	P6
0064	Thatcher Soak West	Surf	P6
0068	Valhalla	Mso	P6
0070	Warrior	Sst	P6
0073	Yeelirrie	Surf	O6
0075	Amorinopolis	Sst	G5
0077	Espinharas	Mso	H5
0078	Figueira	Sst	G6
0079	Gandarela	PQPC	G6
0080	Itataia-Santa Quiteria District	Met	H5
0082	Pocos De Caldas - Cercado	Int	G6
0083	Serra Das Gaivotas	PQPC	G6
0089	Eleshnitza District	Sst	K2
0104	Simitli	Sst	K2
0109	Agnew Lake	PQPC	E2
0112	Blizzard	Sst	D2
0113	Cigar Lake	Unc	D2
0116	Collins Bay A	Unc	D2
0117	Cluff Lake D	Unc	D2
0118	Dawn Lake	Unc	D2
0119	Denison Mine	PQPC	E2
0122	Eagle Point	Unc	D2
0124	Gunnar	Mso	D2
0126	Deilmann	Unc	D2
0127	Kiggavik Main	Unc	E1
0130	Madawaska	Int	F2
0132	Mcarthur River	Unc	D2
0133	Mcclean Lake Pods	Unc	D2
0134	Michelin	Mso	G2
0135	Midwest	Unc	D2
0136	Nordic	PQPC	E2
0137	Lacnor	PQPC	E2
0138	Panel Mine	PQPC	E2
0139	Spanish American	PQPC	E2
0141	Quirke	PQPC	E2
0142	Milliken	PQPC	E2
0143	Rabbit Lake	Unc	D2
0144	Raven	Unc	D2
0147	Stanleigh	PQPC	E2
0155	Kitongo	Mso	J4
0157	Beimianshi	Volc	O3
0160	Chanziping	Bsh	O3
0170	Lianshanguan-Benxi Mine	Mso	P2
0172	Nuheting	Sst	O2
0175	Chengzishan (381)	Sst	N3
0179	Xiazhuang District (16 deposits)	Gran	O3
0180	Xiangshan District (11 deposits)	Volc	O3
0181	Brevniste	Sst	J2
0184	Hamr North (Hamr I)	Sst	J2
0185	Horni Slavkov District (10 deposits)	Gran	J2
0186	Hvezdov	Sst	J2
0187	Jachymov District (12 mines)	Gran	J2
0191	Mimon	Sst	J2
0193	Olsi-Dranonin	Met	J2
0194	Osecna-Kotel	Sst	J2
0196	Rozna	Met	J2
0197	Straz	Sst	J2
0198	Vitkov II	Gran	J2
0200	Zadni Chodov	Gran	J2
0201	Kvanefjeld	Int	G1
0210	Bellezane	Gran	J2
0213	Coutras	Sst	J2
0220	Commanderie (La)	Gran	I2
0221	Bernardan (Le)	Gran	J2
0223	Chardon (Le)	Gran	I2
0225	Bois Noirs (Les)	Gran	J2
0231	Mas Lavayre	Sst	J2
0232	Margnac-Peny	Gran	J2
0239	Bagombé	Sst	J5
0242	Mounana	Sst	J5
0244	Oklo	Sst	J5
0247	Culmitzsch	Sst	J2
0248	Freital-Gittersee	LigCo	J2
0250	Johanngeorgenstadt	Gran	J2
0251	Koenigstein	Sst	J2
0255	Niederschlema-Alberoda ore field	Gran	J2
0257	Tellerhäuser	Gran	J2
0259	Zobes	Gran	J2
0261	Bhatin	Met	N3
0262	Domiasiat (KPN)	Sst	N3
0263	Jaduguda	Met	N3
0266	Narwapahar	Met	N3
0268	Rohil	Mso	M3
0269	Tummalapalle - Rachakuntapalle	Carb	M4
0270	Turamdih	Met	N3
0272	Wahkyn	Sst	N3
0273	Peddagattu	Unc	M4
0274	Remaja-Hitam	Met	O5
0277	Al Abiad-Al Wady	Pho	K3
0278	Al Hassa - Al Qatrana	Pho	K3
0279	Al Shedeye - Eshidia	Pho	K3
0280	Ruseifa	Pho	K3
0282	Tono District (4 Deposits)	Sst	P3
0283	Agashskoye	Met	M2
0285	Assarchik	Sst	M2
0286	Balkashinskoye	Volc	M2
0289	Botaburum	Volc	M2
0290	Budennovskoye 1, 3 & 4	Sst	M2
0291	Burlukskoye	Met	M2
0292	Chaglinskoye	Met	M2
0294	Daba	Volc	M2
0297	Dzhusandalynskoye	Gran	M2
0298	Dzhidely	Volc	M2
0299	Fevralskoye	Met	M2
0300	Glubinnoye	Met	M2
0301	Grachevskoye	Met	M2
0303	Inkai 1, 2 & 3	Sst	M2
0304	Irkol	Sst	M2
0305	Ishimskoye	Met	M2
0306	Kamyshevoye	Met	M2
0307	Kanzhugan	Sst	M2
0308	Karakoyn	Sst	M2
0309	Karamurun North	Sst	M2
0310	Karamurun South	Sst	M2
0311	Karyntarynskoye	Pho	L2
0313	Kharasan 1-North	Sst	M2
0315	Koldzhat	LigCo	N2
0321	Kyzylsay District (8 deposits)	Volc	M2
0323	Kyzyltu	Sst	M2
0326	Manybaiskoye	Volc	M2
0327	Melovoye	Pho	L2
0328	Moynkum Central	Sst	M2
0329	Mynkuduk East	Sst	M2
0330	Nizhneyliyskoye	LigCo	M2
0333	Semizbai	Sst	M2
0335	Shokhpak	Met	M2
0336	Sholak-Espe	Sst	M2
0338	Slavyanskoye	Met	M2
0339	Suluchekinskoye	Sst	M2
0342	Tasmurunskoye	Pho	L2
0344	Taybagarskoye	Pho	L2
0345	Tomakskoye	Pho	L2
0347	Uvanas	Sst	M2
0348	Victorovskoye	Met	M2
0349	Vostok	Met	M2
0352	Zarechnoye	Sst	M2
0353	Zaozernoye	Met	M2
0354	Zhalpak	Sst	M2
0355	Zhautkan	Sst	M2
0356	Zvyozdnoe	Met	M2
0357	Maylisay	Carb	M2
0358	Mailuu-Suu	Carb	M2
0360	Turakavak	LigCo	M2
0367	La Sierrita	Sst	E3
0371	Santo Domingo	Pho	D3
0372	Kayelekera	Sst	K5
0373	Dornod District (12 deposits)	Volc	O2
0374	Gurvanbulak Central Zone	Volc	O2
0375	Kharaat	Sst	O2
0379	Gantour Basin	Pho	I3
0380	Oulad Abdoun Basin	Pho	I3
0381	Meskala Basin	Pho	I3
0382	Oued Eddahab Basin	Pho	I3
0387	Klein Trekkopje	Surf	J6
0388	Langer Heinrich	Surf	J6
0390	Rossing	Int	J6
0391	Tumas	Surf	J6
0392	Valencia	Int	J6
0394	Ebba Nord	Sst	J4
0395	Ebba Sud	Sst	J4
0396	Akola	Sst	J4
0397	Akouta Nord	Sst	J4
0398	Akouta Sud	Sst	J4
0399	Ariege	Sst	J4
0401	Arlette	Sst	J4
0403	Artois	Sst	J4
0404	Abakorum	Sst	J4
0405	Imouraren	Sst	J4
0407	Tamou	Sst	J4
0408	Taza Nord	Sst	J4
0420	Rajsk	Bsh	K2
0428	Nisa	Gran	I3
0432	Urgeirica	Gran	I2
0435	Shinkolobwe-Kasolo	Met	K5
0439	Baita Bihor	Sst	K2
0445	Crucea	Met	K2
0447	Dobrei South	Sst	K2
0456	Tulghes-Grinties	Met	K2
0460	Antei	Volc	O2
0461	Argunskoye	Volc	O2
0463	Badyelskoye	LigCo	L1
0466	Belskoye	LigCo	K2
0468	Beryozovoye	Gran	O2
0469	Beshtaugorskoye	Volc	L2
0472	Briketno-Zheltuhinskoye	LigCo	K2
0474	Buyanovskoye	Sst	O2
0477	Bytuguchag	Gran	Q1
0479	Chaplinskoye	LigCo	S1
0482	Crystalnoye	Gran	O2
0483	Dalneye	Volc	O2
0484	Dobrovolnoye	Sst	M2
0485	Dolmatovskoye	Sst	M2
0486	Druzhnoye	Mso	P2
0487	Dybryn	Sst	O2
0492	Gornoye	Gran	O2
0493	Imskoye	Sst	O2
0494	Interesnoye	Mso	P2
0497	Karhu	Unc	K1
0500	Kedrovoye	Sst	N1
0503	Khiagdinskoye	Sst	O2
0504	Khokhlovskoye	Sst	M2
0505	Kolichikan	Sst	O2
0507	Koretkondinskoye	Sst	O2
0508	Kosmozero	Mso	K1
0513	Lastochka	Volc	P2
0515	Luchistoye	Volc	O2
0516	Malinovskoye	Sst	N2
0517	Malo-Tulukuevskoye	Volc	O2
0518	Martovskoye	Volc	O2
0520	Meridionalnoye	Sst	O2
0522	Namaru	Sst	O2
0524	Novogodneye	Volc	O2
0526	Oktyabrskoye	Volc	O2
0527	Olovskoye	Volc	O2
0528	Osenneye	Met	K1
0530	Prigorodnoye	Sst	N2
0531	Primorskoye	Sst	N2
0533	Pyatilentneye	Volc	O2
0534	Rodionovskoye	Surf	O2
0537	Repyevskoye	Carb	L2
0538	Rjabinovoye	Volc	N2
0539	Sanarskoye	Surf	M2
0544	Shirondukuevskoye	Volc	O2
0550	Srednaya Padma	Mso	K1
0551	Stepnovskoye	Pho	L2
0553	Stepnoye	Sst	O2
0555	Streltsovskoye	Volc	O2
0559	Tetrakhskoye	Sst	O2
0562	Tsarevskoye	Mso	K1
0564	Tulukuevskoye	Volc	O2
0566	Ust-Uyukskoye	Sst	N2
0568	Vershinnoye	Sst	O2
0573	Vitlandskoye	Surf	O2
0576	Yubileinoye	Volc	O2
0578	Yugo-Zapadnoye	Volc	O2
0580	Zheglovskoye	Sst	O2
0581	Zherlovoye	Volc	O2
0583	Zjulzinskoye	Sst	O2
0585	Blyvooruitzicht Tailings	PQPC	K6
0586	Buffelsfontein	PQPC	K6
0587	Chemwes-Stilfontein	PQPC	K6
0588	Driefontein Mine	PQPC	K6
0589	Free State Geduld	PQPC	K6
0590	Harmony	PQPC	K6
0591	Hartebeestfontein	PQPC	K6
0592	Loraine	PQPC	K6
0593	Phalabora	Int	K6
0594	President Brand Mine	PQPC	K6
0595	President Steyn	PQPC	K6
0597	Oryx Mine (Beatrix West Section)	PQPC	K6
0599	Western Rand Tailings	PQPC	K6
0600	Western Areas Mine	PQPC	K6
0601	Western Deep Levels Mine	PQPC	K6
0602	Western Holdings	PQPC	K6
0603	Alio Ghelle	Mso	L4
0604	Dusa Mareb-El Bur District	Surf	L4
0606	Zirovski Vrh	Sst	J2
0616	Mina Fe	Gran	I2
0618	Retortillo	Gran	I2
0622	Ranstad	Bsh	J2
0625	Bailik	Bsh	L2
0626	Sernoye	Sst	L2
0632	Yozgat-Sorgun	Sst	K3
0633	Adamivske	LigCo	K2
0638	Kalynivske	Int	K2
0642	Michurinske	Mso	K2
0646	Pershotravneve	Mso	K2
0648	Safonivske	Sst	K2
0649	Severinivske	Mso	K2
0651	Vatutinske	Mso	K2
0652	Yuzhnoye	Int	K2
0653	Zhovtorichenske	Mso	K2
0655	Alta Mesa	Sst	E3
0656	Alta Verde	Sst	E3
0657	Ambrosia Lake District (Dysart)	Sst	D3
0658	Anderson Mine	Volc	D3
0660	Bear Creek Mines	Sst	D2
0662	Bernabe-Montano District	Sst	D3
0663	Big Buck / Velvet	Sst	D3
0664	Big Eagle Phase2/Green Mountain	Sst	D2
0666	Marsland Big Red	Sst	D3
0670	Borrego Pass	Sst	D3
0675	Butler-Weddington	Sst	E3
0680	Central Florida District	Pho	E3
0683	Christensen Ranch	Sst	D2
0684	Churchrock - Section 4	Sst	D3
0686	Clay West	Sst	E3
0688	Copper Mountain	Gran	D2
0689	Crooks Gap District	Sst	D2
0690	Crow Butte	Sst	D2
0691	Crownpoint	Sst	D3
0694	Dewey-Burdock	Sst	D2
0695	East Florida District	Pho	E3
0696	East Gas Hills	Sst	D2
0699	Fernandez Main Ranch	Sst	D3
0701	Jackpot Mine	Sst	D2
0704	Hansen	Sst	D3
0710	Highland	Sst	D2
0711	Holiday-El Mesquite	Sst	E3
0713	Irigaray	Sst	D2
0716	Jackpile - Paguate	Sst	D3
0722	Kingsville Dome	Sst	E3
0723	L-Bar Ranch	Sst	D3
0724	La Jara Mesa	Sst	D3
0728	Lee	Sst	D3
0729	Deremo Mine	Sst	D3
0732	Long Park	Sst	D3
0735	Lucky Mc Mine	Sst	D2
0737	Mancos-Sections 7-12	Sst	D3
0738	Mariano Lake	Sst	D3
0743	Mi Vida	Sst	D3
0744	Midnite	Gran	D2
0745	Monogram Mesa	Sst	D3
0751	Mount. Taylor Mine	Sst	D3
0752	Narrow Canyon	Sst	D3
0756	North Butte / Brown Ranch	Sst	D2
0757	North Florida District	Pho	E3
0758	Northeast Florida District	Pho	E3
0763	Pandora	Sst	D3
0764	Panna Maria	Sst	E3
0767	Petrotomics / Dave	Sst	D2
0771	Pitch Mine	Met	D3
0775	West Reno Creek	Sst	D2
0776	Rhode Ranch District	Sst	E3
0777	Rio Puerco	Sst	D3
0781	Ruby	Sst	D3
0785	Saint Anthony/M-6	Sst	D3
0789	Schwartzwalder Mine	Met	D3
0792	Sherwood Mine	Sst	D2
0794	Shirley Basin Mine	Sst	D2
0796	Slick Rock District	Sst	D3
0797	Smith Ranch	Sst	D2
0798	South Florida District	Pho	E3
0799	South Morton Ranch	Sst	D2
0802	Sweetwater Mine	Sst	D2
0803	Taylor Ranch	Sst	D3
0805	Tony M	Sst	D3
0809	Atkinson Mesa District	Sst	D3
0810	Vanadium	Sst	D3
0812	West Gas Hills	Sst	D2
0813	West Largo	Sst	D3
0814	Whiskey Peak / Green Mountain	Sst	D2
0815	Agron	Sst	M3
0816	Aktau	Sst	M2
0817	Alatanga	Volc	M2
0818	Alendy	Sst	M2
0820	Aulbek	Sst	M2
0823	Beshkak	Sst	M2
0824	Bukinay North	Sst	M2
0826	Chauli	Volc	M2
0827	Dzhantuar	Bsh	M2
0828	Kenimekh	Sst	M2
0830	Kendyktjube	Sst	M2
0831	Ketmenchi	Sst	M3
0833	Lyavlyakan	Sst	M2
0835	Meylysai	Sst	M2
0836	Nagornoye	Sst	M3
0837	Rudnoye	Bsh	M2
0838	Sabyrsay	Sst	M3
0839	Severny Kanimekh	Sst	M2
0841	Shark	Sst	M3
0842	Sugraly	Sst	M2
0845	Tutlyinskaya	Sst	M3
0846	Uchkuduk	Sst	M2
0847	Ulus	Sst	M3
0849	Yuzhny Bukinai	Sst	M2
0851	Khe Hoa-Khe Cao	Sst	O4
0890	Tabelle	Sst	J4
0891	Taza Sud	Sst	J4
0892	Takriza	Sst	J4
0893	Tamgak	Sst	J4
0895	Marianne - Maryline	Sst	J4
0929	Church Rock - Section 8 and 17	Sst	D3
0930	Peach	Sst	D2
0932	Reynolds Ranch	Sst	D2
0942	Tortkuduk	Sst	M2
0947	Oobagooma-Yampi	Sst	P5
0948	91 Ranger 1 N°1	Unc	P5
0951	Jabiluka 2	Unc	P5
0952	Ranger 1 N°3	Unc	P5
0953	Oberschlema	Gran	J2
0955	Val Vedello	Volc	J2
0977	Prominent Hill	PBx	P6
0979	Nolans Bore	Int	P6
0981	Ace-Fay-Verna	Met	D2
0982	Andrew Lake	Unc	E1
0985	End Grid	Unc	E1
0988	Horseshoe	Unc	D2
0990	Millennium	Unc	D2
0992	P Patch Zone	Unc	D2
0994	Shea Creek-Anne	Unc	D2
0995	Shea Creek-Colette	Unc	D2
0996	Shea Creek-Kianna	Unc	D2
0998	Cluff Lake Dominique-Peter	Unc	D2
0999	Cluff Lake Dominique-Jeanine	Unc	D2
1000	Collins Bay B	Unc	D2
1003	Kiggavik Centre	Unc	E1
1006	Sue C	Unc	D2
1008	Sue E	Unc	D2
1010	Eldorado (Port Radium)	Met	D1
1012	Bagjata	Met	N3
1013	Banduhurang - Turamdih South	Met	N3
1030	Gogi	Gran	M4
1031	Chitrial	Unc	M4
1042	BJ Lake	Unc	D2
1051	Centennial	Unc	D2
1053	Charlebois Lake	Int	D2
1059	Dieter Lake	Bsh	F2
1075	Jacques Lake	Mso	G2
1077	Drope Lake - La Ronge	Int	D2
1078	Lac Cinquante	Met	E1
1082	Midwest A	Unc	D2
1083	Matoush	Sst	F2
1086	Roughrider	Unc	D2
1091	Mountain Lake	Sst	D1
1099	P2 Main	Unc	D2
1100	Paul Bay	Unc	D2
1110	Tamarack	Unc	D2
1120	Shihongtan	Sst	N2
1121	Zhaohuohao (396)	Sst	O3
1138	Allied Zones	Int	F2
1139	Apple	PQPC	F2
1143	Can-Met	PQPC	E2
1145	Eco Ridge Mine	PQPC	E2
1150	L	Sst	F2
1156	Stanrock	PQPC	E2
1162	Veznice	Met	J2
1165	Luena Basin	LigCo	K5
1166	Musonoi Extension	Met	K5
1168	Siwaqa	Surf	K3
1169	Akdala	Sst	M2
1176	Falea	Sst	I4
1178	Khairkhan	Sst	O2
1179	Ulaan Nuur	Sst	O2
1180	Aussinanis	Surf	J6
1181	Anomaly A (Etango)	Int	J6
1184	Marenica	Surf	J6
1185	Trekkopje	Surf	J6
1187	Arcadie	Sst	J4
1191	Nord Somair	Sst	J4
1192	Taossa	Sst	J4
1193	Teguidda (Ir, G, T)	Sst	J4
1195	Yuti	Sst	G6
1196	Corachapi	Volc	F5
1198	Kemchug	Volc	N2
1200	Ghurayyah	Int	K3
1203	Kuriskova	Volc	K2
1204	Novoveska Huta	Volc	K2
1209	Denny Dalton	PQPC	K6
1210	Dominion Reefs	PQPC	K6
1211	Ezulwini	PQPC	K6
1212	Rietkuil	PQPC	K6
1213	Ryst Kuil	Sst	K6
1214	Springbok Flats	LigCo	K6
1215	Gambuta	Gran	I3
1218	Duobblon	Volc	J1
1225	Tasjo District	Pho	J1
1231	Dibwe	Sst	K5
1235	Mutanga Main	Sst	K5
1237	Njame	Sst	K5
1238	Severnoye	Mso	P2
1239	Tsentralne	Mso	K2
1240	Novokostyantynivske	Mso	K2
1241	Pidhajtsivske	Mso	K2
1247	Abeta	PQPC	E2
1248	Banana Lake	PQPC	E2
1253	Gaertner	Unc	D2
1254	Millaqua	PQPC	E2
1255	Silvermaque	PQPC	E2
1258	Serule Nw	Sst	K6
1267	Firawa	Met	I4
1268	Kanyika	Int	K5
1269	Garnet Valley	Int	J6
1270	Namib Park	Surf	J6
1272	Oryx (Tumas 3)	Surf	J6
1277	Beisa North	PQPC	K6
1279	Cooke / Old Randfontein Tailings	PQPC	K6
1280	East Rand Consolidated Tailing	PQPC	K6
1284	Potchefstroom Goldfield	PQPC	K6
1285	Southern Free State (4 deposits)	PQPC	K6
1286	Vaal River Tailings	PQPC	K6
1290	Nyota	Sst	K5
1298	North Shore Double S Zone	Int	F2
1299	North Shore Middle Zone	Int	F2
1300	North Shore Tj Zone	Int	F2
1303	Chuquicamata	Int	F6
1307	Oshively	Int	J6
1311	MMS Vicken	Bsh	J1
1313	Sw Reno Creek	Sst	D2
1316	Four Mile East	Sst	P6
1317	Dawson-Hinkler	Surf	P6
1319	Windimurra	Surf	O6
1327	Blackbush	Sst	P6
1329	E1 North & South	PBx	Q6
1330	Four Mile West	Sst	P6
1331	Hillview	Surf	O6
1339	Araxa	Int	G5
1342	Olinda	Pho	H5
1343	Pitinga	Int	F5
1347	Amer Lake- Main Zone	Sst	E1
1351	Moran Lake C Zone	Met	F2
1358	Phoenix	Unc	D2
1359	Pama	Pho	K4
1360	Pato	Pho	K4
1361	Patricia	Pho	K4
1367	Sierra Gorda	Int	F6
1368	Chengxian Mine	Bsh	O3
1370	Lantian Mine	Gran	O3
1374	Saima	Int	P2
1377	Berlin	Sst	F4
1378	Brzkov	Met	J2
1383	Pecs	Sst	J2
1390	Tyuya-Muyum	Carb	M2
1395	San Juan De La Costa	Pho	D3
1397	Turgen District	Volc	O2
1398	Ugtam	Volc	O2
1400	Inca	Mso	J6
1401	Imca 25	Sst	J4
1402	Irhawenzegirhan	Sst	J4
1406	Isakanan	Sst	J4
1408	Taunsa	Sst	M3
1409	Colibri 2 & 3	Volc	F5
1413	Abu Tartur	Pho	K3
1414	Akashat	Pho	K3
1415	Elkon	Mso	P2
1416	Elkonskoe Plateau	Mso	P2
1417	Kurung	Mso	P2
1419	Kopanang Mine	PQPC	K6
1421	Sageras-Zona M	Gran	I2
1424	Palmira District	Pho	K3
1429	Antelope	Sst	D2
1431	Aurora	Volc	D2
1432	Bingham Canyon	Int	D2
1433	Black Jack 1 & 2	Sst	D3
1443	Coles Hill North	Mso	F3
1444	Coles Hills South	Mso	F3
1461	Hank Unit	Sst	D2
1462	Hosta Butte	Sst	D3
1465	Juan Tafoya	Sst	D3
1467	Kings Valley	Volc	D2
1468	Los Quatros	Volc	D3
1469	Lost Creek	Sst	D2
1470	Lost Soldier	Sst	D2
1471	Marquez	Sst	D3
1479	Section 22 (New Mexico)	Sst	D3
1480	Section 23 (New Mexico)	Sst	D3
1481	Section 24 (New Mexico)	Sst	D3
1485	Section 30 (New Mexico)	Sst	D3
1489	Sheep Mountain	Sst	D2
1494	Velvet-Wood Mines	Sst	D3
1495	Virgin Valley	Volc	D2
1503	Tabhing Area	Sst	O4
1505	Malundwe	Met	K5
1508	Double 8	Sst	P6
1515	Lujing District (5 deposits)	Gran	O3
1517	Qianjiadian (2 deposits)	Sst	P2
1520	Serres Basin	LigCo	K2
1521	Inkai South-4	Sst	M2
1525	Onkelo	Int	J6
1526	Bayovar	Pho	E5
1527	Neprokhodimoye	Mso	P2
1532	Goliad	Sst	E3
1534	**Hack Canyon 2**	**CBx**	**D3**
1542	Budennovskoye 2	Sst	M2
1543	Ambassador	LigCo	P6
1544	Emperor	LigCo	P6
1546	Gorgon Main	Sst	K6
1547	Kraken	Sst	K6
1548	Husab - Zone 1	Int	J6
1549	Husab - Zone 2	Int	J6
1550	Shanawah	Sst	M3
1554	Negev Desert District	Pho	K3
1562	Beatrix	PQPC	K6
1563	Kloof Tailings	PQPC	K6
1564	South Deep Mine (Underground)	PQPC	K6
1565	Cooke 1, 2 & 3/Old Randfontein	PQPC	K6
1568	Barber	Sst	D2
1569	Boyer	Sst	D3
1571	Coyote Basin	LigCo	D2
1575	Noah	Sst	D3
1576	North West Taylor	Sst	D3
1579	Ross	Sst	D2
1582	Roca Honda Mine	Sst	D3
1583	Attarat-Wadi Maghar	Pho	K3
1585	Gachin	Surf	L3
1590	Toongi	Int	Q6
1591	Beerwalde-Korbussen	Bsh	J2
1592	Bernsbach	Gran	J2
1596	Crimmitschauer Fault Zone	Bsh	J2
1597	Drosen	Bsh	J2
1601	Gera Sud	Sst	J2
1604	Kyhna - Schenkenberg	Volc	J2
1605	Lichtenberg	Bsh	J2
1607	Paitzdorf	Bsh	J2
1609	Prehna	Bsh	J2
1611	Schmirchau - Reust	Bsh	J2
1619	Zeitz - Baldenhain	Bsh	J2
1620	Kaynar	Sst	M2
1622	Kharasan 2-South	Sst	M2
1623	Moynkum South	Sst	M2
1624	Mynkuduk Central	Sst	M2
1625	Mynkuduk West	Sst	M2
1626	Chubu	Bsh	P3
1628	Gumsan	Bsh	P3
1632	Yokwang	Bsh	P3
1636	Takardeit	Sst	J4
1637	Tin Negouran	Sst	J4
1641	Zona Pologaya	Mso	P2
1652	Cappers	Surf	P6
1653	Archontovounis	Gran	K2
1656	Alameda	Gran	I2
1659	Haggan	Bsh	J1
1662	Husab - Zone 3	Int	J6
1664	Husab - Zone 4	Int	J6
1665	Great Nolingwa Mine	PQPC	K6
1666	Moab Khotsong	PQPC	K6
1667	Mponeng	PQPC	K6
1671	Majuelos	Gran	I2
1675	Tubas Red Sand	Surf	J6
1694	Carley Bore	Sst	O6
1695	Odin	Mso	P6
1696	Gorgon West	Sst	K6
1697	Gorgon South	Sst	K6
1699	Catalao	Int	G5
1700	Drucourt Zone	Int	F2
1702	J Zone	Unc	D2
1703	Kolmisoppi	Bsh	K1
1704	Kuusilampi	Bsh	K1
1708	Khan Azzabib	Surf	K3
1709	Sadyrnynskoye	Pho	L2
1710	Hyena	Int	J6
1711	Ondjamba	Int	J6
1712	Miriam	Sst	J4
1713	Isivilla	Volc	F5
1715	Tantamaco	Volc	F5
1717	Jabal Sayid	Int	L3
1725	Phosphoria Formation	Pho	D2
1742	MML-E	Sst	J2
1743	Tuyuk-Suu	LigCo	M2
1755	Carrapateena	PBx	P6
1757	Pepegoona	Sst	P6
1759	San Hilario	Pho	D3
1761	Tembabiche	Pho	D3
1762	UF1	Pho	D3
1763	Glibat Lafhouda	Int	I3
1764	Twihinate	Int	I3
1765	De Bron	PQPC	K6
1767	Riet Kuil	Sst	K6
1768	Guanaco	Surf	F7
1770	Plumbush	Sst	P6
1772	Serule W	Sst	K6
1774	Radomiro Tomic	Int	F6
1775	A 238	Mso	I3
1776	Ain Sder C1-CJ-CR	Surf	I3
1777	Oued El Foule East	Surf	I3
1778	Oum Ferkik L-K	Surf	I3
1780	Ongolo	Int	J6
1781	Husab - Zone 5	Int	J6
1782	Al Jalamid	Pho	L3
1783	East Ebro Valley (5 deposits)	LigCo	I2
1784	Temrezli	Sst	K3
1791	Bikini	Mso	P6
1793	Millipede	Surf	P6
1796	Rio Cristallino	Sst	G5
1797	Pecors East	PQPC	E2
1798	MA 7	Int	J6
1799	Namibplass	Int	J6
1803	Dulaan Uul	Sst	O2
1805	Lubin-Sieroszowice	Bsh	J2
1810	Congo Pit	Sst	D2
1819	Todilto District	Carb	D3
1821	Igarape Bahia	PBx	G5
1822	Salobo	PBx	G5
1823	Sossego	PBx	G5
1824	J4/Ray	Met	E1
1826	Zoovch Ovoo	Sst	O2
1829	Ranger Deeps	Unc	P5
1830	Illimaussaq Zone 3	Int	G1
1831	Gabbal Guttar	Gran	K3
1836	Manyoni District-Zone C 1	Surf	K5
1844	Theseus	Sst	P6
1846	Frazer Lake-Zone B	Int	D2
1849	Guyuan	Volc	O3
1850	Hechaokeng	Gran	O2
1851	Kujiertai	Sst	N2
1854	Pannikan	Sst	P6
1855	Pepegoona West	Sst	P6
1856	Buckton Zone	Bsh	D2
1858	Taoshan	Gran	O3
1859	La Banane	Sst	J4
1864	Msne	Sst	J4
1866	Oak Dam	Sst	P6
1868	Maoyangtuo (570)	Met	O3
1869	Wukuerqi	Sst	N2
1872	Plouznice	Sst	J2
1874	Sorensen	Int	G1
1878	Dwaima	Pho	K3
1879	Ethna	Pho	K3
1880	Hirri	Pho	L3
1881	H 3	Pho	K3
1882	Marbat	Pho	L3
1883	Swab	Pho	K3
1885	Ulzitt	Sst	O2
1886	Dajy	Sst	J4
1887	Dasa 1, 2 & 3	Sst	J4
1891	Marby	Bsh	J1
1894	Minjingu	Pho	K5
1911	Kendrick	Sst	D2
1913	Lisbon Mine	Sst	D3
1922	North Reno Creek	Sst	D2
1923	Nose Rock	Sst	D3
1936	Twin Butte	Int	D3
1938	White Canyon District	Sst	D3
1939	Yerington	Int	D3
1941	Buckton South	Bsh	D2
1942	Canuc Zone	PQPC	E2
1943	Milo	PBx	Q6
1945	Gemico Block 3	PQPC	E2
1946	Gemico Block 10	PQPC	E2
1947	Triple R	Unc	D2
1948	Teasdale Lake Zone	PQPC	E2
1949	Bayinwula	Sst	O2
1951	Shashagetai	Sst	O3
1952	Sunjialiang	Sst	O3
1955	Z 20	Int	J6
1956	Armelle	Sst	J4
1957	Tamani	Sst	J4
1958	Tamgak Deep	Sst	J4
1959	Taverse	Sst	J4
1960	Bloemhoek	PQPC	K6
1961	Cooke 4 (Gauteng)	PQPC	K6
1967	Chattanooga Shale Formation	Bsh	E3
1969	Dibwe East	Sst	K5
1971	Northern Great Plains	LigCo	D2
1972	Happy Valley 2-15	Int	J6
1973	Happy Valley 18	Int	J6
1978	West Rand Tailings (Wrtrp)	PQPC	K6
1979	West Witts Tailings (13 Tailings)	PQPC	K6
1980	Narke	Bsh	J2
1988	Palua	Sst	O4
1989	Parong	Sst	O4
1990	Tebessa District	Pho	J3
1991	Fosse-Pamela	Pho	K4
1992	El Sebaeya East	Pho	K3
1993	Red Sea District	Pho	K3
1994	Chatham Rise	Pho	R7
1995	Gafsa-Metlaoui District	Pho	J3
1996	Binh Duong	Pho	O3
1998	Nong Son	LigCo	O4
2000	Monument Valley District	Sst	D3
2002	Fab Trend	Sst	D2
2007	Billeroo	Sst	P6
2008	Brooks Dam	Sst	Q6
2009	Four Mile North-East	Sst	P6
2029	Arrow	Unc	D2
2032	Gryphon	Unc	D2
2034	Mann Lake	Unc	D2
2040	Léré	Mso	J4
2041	Motzfeldt	Int	G1
2047	La Terraza	Volc	F6
2053	Terraza North	Volc	F6
2054	Tigre I	Volc	F6
2845	Stilfontein	PQPC	K6
4176	Treviels	Sst	J2
4192	Baltoscandia District	Bsh	K2
4196	Kok Moinok	Gran	M2
4198	Aghracha	Surf	I3
4199	Drag-Al Farnane	Int	I3
4202	Tarfaya Basin	Bsh	I3
4203	Timahdit Basin	Bsh	I3
4204	Welwitschia Flats	Surf	J6
4210	Chilcuno Chico	Volc	F5
4212	Quebradra Blanca	Volc	F5
4221	Al Khabra	Pho	K3
4222	Umm Wu'Al	Pho	K3
4223	Blyvooruitzicht Mine	PQPC	K6
4224	Daggafontein Mine	PQPC	K6
4226	Doornfontein	PQPC	K6
4228	Driefontein Tailings	PQPC	K6
4236	Ergo	PQPC	K6
4238	Freddies	PQPC	K6
4241	Luipaardsvlei	PQPC	K6
4243	Vaal Reefs Mine	PQPC	K6
4244	Virginia	PQPC	K6
4250	West Rand Consolidated Mine	PQPC	K6
4258	**Cliffside Mine**	**CBx**	**D3**
4261	Round Top	Int	D3
4265	Pilanesberg - Ledig Zone	Int	K6
4266	Krasnoselskoye	Bsh	K2
4267	Kotlovskoye	Bsh	K2
4268	Durban (Roodeport) Deep	PQPC	K6
4269	Kosachinoye	Met	M2
4270	El Sebaeya West	Pho	K3
4271	Mecsec Mine	Sst	J2
4272	Saaiplaas	PQPC	K6
4273	Deelkrall	PQPC	K6
4274	Mabounie	Int	J5
4275	Jeanette	PQPC	K6
4276	Fox Lake	Unc	D2
4277	Bytiz 4, 22-40	Gran	J2
4278	Engenho	Mso	G5
4279	Smaldeel	PQPC	K6
4280	Afrikander	PQPC	K6
4281	Zheltorechenske	Mso	K2
4282	Da Rabicha	Mso	G5
4283	Hamr South (Hamr II)	Sst	J2
4284	Bukinay South	Sst	M2
4285	Cristalino	PBx	G5
4286	Khamsin	PBx	P6
4287	Cachoeira	Mso	G5
4288	Kalbasfontein	PQPC	K6
4289	Litne	Mso	K2
4290	Balkovskoye	Pho	L2
4291	Mengqiguer 2	Sst	N2
4292	Zuurbekom	PQPC	K6
4293	Ebene	Sst	J4
4294	Modesto	Mso	G5
4295	Elandsrand	PQPC	K6
4296	Aquelt Assfaya	Surf	I3
4297	Ernest Henry	PBx	Q6
4298	Hakkies	PQPC	J6
4299	Phoenix	PQPC	K6
4300	Puissagtaq	Gran	G1
4301	Sutherland 2	Sst	K6
4302	Juzkuduk	Sst	M3
4303	Lesetice	Gran	J2
4304	Rhenosterroek	PQPC	K6
4305	Ergo Tailings	PQPC	K6
4306	Middle Dome	Int	J6
4307	Zvezdnoye	Met	M2
4308	Banadungri-Sinidungri	Met	N3
4309	Area 1 East	PQPC	K6
4310	Doornrivier	PQPC	K6
4311	Bofal-Loubboira	Pho	I4
4312	Alemao	PBx	G5
4313	Zhuravlinoye	Volc	O2
4314	Holicky	Sst	J2
4315	Hnativske	Mso	K2
4316	Yuriivske	Mso	K2
4317	Partyzanske	Mso	K2
4318	Pivdennokonoplyanske	Mso	K2
4319	Pivnichnokonoplyanske	Mso	K2
4320	Dokuchaevske	Mso	K2
4321	Kvitneve	Mso	K2
4322	Schorsivske	Mso	K2
4323	Lelekivske	Mso	K2
4324	Hannivka	Mso	K2
4325	Lisne	Mso	K2
4326	Kremenchugske	Mso	K2
4327	Jeruzalem	Gran	J2
4328	Melkraals	PQPC	J6
4329	Grootvlei Tailings	PQPC	K6
4330	Baimadong	Carb	O3
4331	Kareeport	Sst	K6
4332	Fochville	PQPC	K6
4333	Krizani	Sst	J2
4334	Boztauskaya	Bsh	M2
4335	Tushinskoye	Met	M2
4336	Mestena Grande	Sst	E3
4337	Haanekuil	Sst	K6
4338	Vermeulenskraal North	PQPC	K6
4339	Moab Extension	PQPC	K6
4340	Sarydjaz	Bsh	M2
4341	Robijn	PQPC	K6
4342	Salem	Int	J6
4343	Elandsfontein	Sst	K6
4344	Tshepong	PQPC	K6
4345	Phakisa	PQPC	K6
4346	Brod	Gran	J2
4347	Weltevreden	PQPC	K6
4348	Pocos De Caldas-Agostino	Int	G6
4349	Graben	Sst	F7
4350	Kyzyl	Volc	M2
4351	Das Quebradas	Mso	G5
4352	Laranjeiras	Mso	G5
4353	Prudovoye	Pho	L2
4354	Buratinskoye South	Pho	L2
4355	Bagaburulskoye NE	Pho	L2
4356	Kharabulukskoye North	Pho	L2
4357	Bagaburulskoye	Pho	L2
4358	Nugrinskoye	Pho	L2
4359	Bogorodskoye	Pho	L2
4360	Shargadykskoye	Pho	L2
4361	Yashkulskoye	Pho	L2
4362	Centralnoye	Pho	L2
4363	Troitskoye	Pho	L2
4364	Abou Skhair	Carb	L3
4365	Wangjiachong	Sst	O3
4366	Sirotininsk	Sst	O2
4367	Smolenskoye	Sst	N2
4368	Chasovoye	Gran	O2
4369	Korolevskoye	Gran	O2
4370	Bystroye	Sst	N2
4371	Bashibulak	Sst	M3
4372	Nekrakovskoye	Pho	L2
4373	Vranov	Sst	J2
4374	Srni Potok	Sst	J2
4375	Pavlin	Sst	J2
4376	Xinwu Basin (5 deposits)	Sst	O3
4377	Arnold	Sst	J4
4378	Aride	Sst	J4
4379	Yarkuduk	Sst	M3
4380	Istiklol	Sst	M2
4381	Wuhisan	Sst	N2
4382	Wuhier	Sst	N2
4383	North Tamdinskaya	Bsh	M2
4384	Wuyiyi	Sst	N2
4385	Baxingtu	Sst	P2
4386	Kenze	Sst	M2
4387	Likhmanovske	Mso	K2
4388	YGOK	Mso	K2
4389	Stetchovskaya	Mso	K2
4390	Krasnogvardeiske	Mso	K2
4391	Annovske	Mso	K2
4392	Kirovskii	Mso	K2
4393	Stankovatskaya	Mso	K2
4394	Kurnikoskoye-W	Mso	K2
4395	Stepne	Mso	K2
4396	Novopavdovske	Mso	K2
4397	Manuiylivske	Mso	K2
4398	Steblevskaya	Mso	K2
4399	Podgaitsevskoye	Mso	K2
4400	Andriiivske	Mso	K2
4401	Kohanivske	Mso	K2
4402	Rand Proprietary M Tailings	PQPC	K6
4403	Honghaigou	Sst	N2
4404	Tamdikuduk-Tulyantashkaya	Sst	M3
4405	Masimong	PQPC	K6
4406	South Deep Mine (Tailings)	PQPC	K6
4407	Vredefort	PQPC	K6
4408	Gurvanbulak Intermediate Zone	Volc	O2
4409	Plateau West	Sst	F7
4410	Fraserburg 2	Sst	K6
4411	Fraserburg	Sst	K6
4412	Mazarete Extension W (Zona II)	Sst	I2
4413	Pirna	Sst	J2
4414	Tierhoek	Sst	K6
4415	Vermeulenskraal	PQPC	K6
4416	St Helena Tailings	PQPC	K6

WORLD DISTRIBUTION OF SANDSTONE URANIUM DEPOSITS

SECOND EDITION: 2018

Scale 1: 35 000 000

Kilometres 500 0 500 1,000 1,500 2,000 Kilometres

Mercator Projection: Central Meridian 10°

Map production by M.C. Fairclough (IAEA), J.A. Irvine (Australia), L.F. Katona (Australia) and W.L. Slimmon (Canada). World Distribution of Uranium Deposits, International Atomic Energy Agency, Vienna, Austria. Cartographic assistance was supplied by the Geological Survey of South Australia, the Saskatchewan Geological Survey and United States Geological Survey to the IAEA.

Deposit data derived from IAEA UDEPO (http://infcis.iaea.org/UDEPO/About.cshtml) database with assistance from P. Bruneton (France), M. Mihalasky (U.S.A.), M. Cuney (France), M. Aranha (IAEA), O. Pylypenko (IAEA) and K. Poliakovska (IAEA). The map is an updated companion to "World Distribution of Uranium Deposits (UDEPO) with Uranium Deposit Classification, IAEA Tech-Doc-1629" and "World Distribution of Uranium Deposits (UDEPO) 2016 Edition, IAEA Tec-Doc in-preparation". Map data is current to beginning 2017.

Geology was derived from L.B. Chorlton, Generalized Geology of the World, Geological Survey of Canada, Open File 5529, 2007 under Open Government Licence - Canada (http://data.gc.ca/eng/open-government-licence-canada)

Coastlines and drainage were obtained from Natural Earth public domain vector map data (http://www.naturalearthdata.com/about/terms-of-use). Country boundaries are from the United Nations² (http://www.un.org/Depts/Cartographic/english/htmain.htm). The use of particular designations of countries or territories does not imply any judgement by the publisher, the IAEA, as to the legal status of such countries or territories, of their authorities and institutions or of the delimitation of their boundaries. Dotted line represents approximately the Line of Control in Jammu and Kashmir agreed upon by India and Pakistan. The final status of Jammu and Kashmir has not yet been agreed upon by the parties. Final boundary between the Republic of Sudan and the Republic of South Sudan has not yet been determined.

Deposit Type	Deposit Subtype	Deposit Size (tU original or produced+remaining resource)				
		< 1 000	1 001 - 5 000	5 001 - 25 000	25 001 - 100 000	> 100 000
1. Intrusive (Int)	Anatectic					
	Plutonic¹					
2. Granite-related (Gran)	Endogranitic					
	Perigranitic					
3. Polymetallic Fe oxide breccia complex¹ (PBx)						
4. Volcanic-related (Volc)	Stratabound					
	Structure-bound					
	Volcano-sedimentary					
5. Metasomatite (Mso)	Na-metasomatite					
	K-metasomatite					
	Skarn					
6. Metamorphite (Met)	Stratabound					
	Structure-bound					
	Marble-hosted					
7. Proterozoic unconformity (Unc)	Unconformity-contact					
	Basement-hosted					
	Stratiform fracture-controlled					
8. Collapse breccia pipe (CBx)						
9. Sandstone (Sst)	Basal channel					
	Tabular					
	Roll-front					
	Tectonic-lithologic					
	Mafic dykes/sills					
10. Paleo quartz-pebble conglomerate (PQPC)	U-dominant					
	Au-dominant¹					
11. Surficial (Surf)	Peat-bog					
	Fluvial valley					
	Lacustrine-playa					
	Pedogenic and fracture fill					
12. Lignite-coal¹ (LigCo)	Stratiform					
	Fracture controlled					
13. Carbonate (Carb)	Stratabound					
	Cataclastic					
	Paleokarst					
14. Phosphate¹ (Pho)	Organic phosphorite					
	Microchemical phosphorite					
	Continental phosphate					
15. Black shale (BSh)	Stratiform					
	Stockwork					

• Undifferentiated and unverified Uranium occurrence with no known resource estimation
▲ Undifferentiated Thorium deposit and occurrence from IAEA ThDEPO database

The Dep IDs are unique deposit identification numbers corresponding to the IAEA UDEPO database records. A deposit is defined as there is known to be a resource estimation undertaken. If the exact estimation is unknown, an estimated range is generated by IAEA. This is particularly so with unconventional resources¹ from which uranium is present at very low grades and/or only recoverable as a minor by-product using special processing techniques. Resources shown are not current remaining resources, but are the maximum of original geological resource, production figures or remaining resources at the lowest available cut-off grade. They include historic resources, and so may not be compliant with contemporary reporting standards and are not endorsed by IAEA as such. Where available, resource estimations for individual discrete ore zones are shown. Where this is not possible, some aggregation of resources are necessary. No economic or financial inferences with respect to recoverability of uranium are intended. The list of deposits is not exhaustive or current. There are 2831 deposits shown on the face of the map, but only those 102 greater than 100 000tU, or currently producing uranium, are named. Other deposits greater than 2500tU (863 deposits) are numbered, and along with larger or producing deposits, are listed below the map face. All other deposits (1866) 2500tU or less are only shown as symbols with no annotation but can be queried as described in https://helpx.adobe.com/acrobat/using/geospatial-pdfs.html.

Map Legend

- Populated place
- Railroad
- Road
- Country boundary²
- Fault trace

Lithology

- Metamorphic rocks
- Intrusive rocks
- Sedimentary and volcanic rocks
- Sedimentary rocks
- Tectonized rocks
- Volcanic and intrusive rocks
- Volcanic rocks

Era

- Holocene and Recent ice cap
- Cenozoic
- Mesozoic
- Paleozoic
- Neoproterozoic
- Mesoproterozoic
- Paleoproterozoic
- Proterozoic (undifferentiated)
- Archean and Proterozoic

Dep ID	Dep Name	Dep Type	Grid
0001	Abankor	Met	J3
0004	Timgaouine	Gran	J3
0005	Tinef	Met	J3
0006	Cerro Solo	Sst	F7
0011	Rodolfo	Sst	F6
0014	Angela	Sst	P6
0017	Ben Lomond	Volc	Q5
0018	Bennetts Well	Sst	O6
0019	Beverley	Sst	P6
0020	Bigrlyi	Sst	P5
0022	Centipede	Surf	P6
0029	Goulds Dam	Sst	P6
0032	Honeymoon	Sst	Q6
0033	Huarabagoo	Sst	P5
0034	Jabiluka 1	Unc	P5
0035	Junnagunna	Sst	P5
0036	Kintyre	Unc	P5
0037	Koongarra 1	Unc	P5
0038	Lake Maitland	Surf	P6
0041	Lake Way	Surf	P6
0043	Manyingee	Sst	O6
0044	Mary Kathleen	Mso	Q6
0047	Mount Gee	PBx	P6
0050	Nabarlek	Unc	P5
0051	Napperby	Surf	P6
0052	Nowthana	Surf	O6
0053	Olympic Dam	PBx	P6
0059	Ranger 68	Unc	P5
0060	Redtree	Sst	P5
0062	Skal	Mso	P6
0064	Thatcher Soak West	Surf	P6
0068	Valhalla	Mso	P6
0070	Warrior	Sst	P6
0073	Yeelirrie	Surf	O6
0075	Amorinopolis	Sst	G5
0077	Espinharas	Mso	H5
0078	Figueira	Sst	G6
0079	Gandarela	PQPC	G6
0080	Itataia-Santa Quiteria District	Met	H5
0082	Pocos De Caldas - Cercado	Int	G6
0083	Serra Das Gaivotas	PQPC	G6
0089	Eleshnitza District	Sst	K2
0104	Similti	Sst	K2
0109	Agnew Lake	PQPC	E2

Dep ID	Dep Name	Dep Type	Grid
0112	Blizzard	Sst	D2
0113	Cigar Lake	Unc	D2
0116	Collins Bay A	Unc	D2
0117	Cluff Lake D	Unc	D2
0118	Dawn Lake	Unc	D2
0119	Denison Mine	PQPC	E2
0122	Eagle Point	Unc	D2
0124	Gunnar	Mso	D2
0126	Deilmann	Unc	D2
0127	Kiggavik Main	Unc	E1
0130	Madawaska	Int	F2
0132	Mcarthur River	Unc	D2
0133	Mcclean Lake Pods	Unc	D2
0134	Michelin	Mso	G2
0135	Midwest	Unc	D2
0136	Nordic	PQPC	E2
0137	Lacnor	PQPC	E2
0138	Panel Mine	PQPC	E2
0139	Spanish American	PQPC	E2
0141	Quirke	PQPC	E2
0142	Milliken	PQPC	E2
0143	Rabbit Lake	Unc	D2
0144	Raven	Unc	D2
0147	Stanleigh	PQPC	E2
0155	Kitongo	Mso	J4
0157	Beimianshi	Volc	O3
0160	Chanziping	Bsh	O3
0170	Lianshanguan-Benxi Mine	Mso	P2
0172	Nuheting	Sst	O2
0175	Chengzishan (381)	Sst	N3
0179	Xiazhuang District (16 deposits)	Gran	O3
0180	Xiangshan District (11 deposits)	Volc	O3
0181	Brevniste	Sst	J2
0184	Hamr North (Hamr I)	Sst	J2
0185	Horni Slavkov District (10 deposits)	Gran	J2
0186	Hvezdov	Sst	J2
0187	Jachymov District (12 mines)	Gran	J2
0191	Mimon	Sst	J2
0193	Olsi-Dranonin	Met	J2
0194	Osecna-Kotel	Sst	J2
0196	Rozna	Met	J2
0197	Straz	Sst	J2
0198	Vitkov II	Gran	J2
0200	Zadni Chodov	Gran	J2

Dep ID	Dep Name	Dep Type	Grid
0201	Kvanefjeld	Int	G1
0210	Bellezane	Gran	J2
0213	Coutras	Sst	J2
0220	Commanderie (La)	Gran	I2
0221	Bernardan (Le)	Gran	J2
0223	Chardon (Le)	Gran	I2
0225	Bois Noirs (Les)	Gran	J2
0231	Mas Lavayre	Sst	J2
0232	Margnac-Peny	Gran	J2
0239	Bagombé	Sst	J5
0242	Mounana	Sst	J5
0244	Oklo	Sst	J5
0247	Culmitzsch	Sst	J2
0248	Freital-Gittersee	LigCo	J2
0250	Johanngeorgenstadt	Gran	J2
0251	Koenigstein	Sst	J2
0255	Niederschlema-Alberoda ore field	Gran	J2
0257	Tellerhäuser	Gran	J2
0259	Zobes	Gran	J2
0261	Bhatin	Met	N3
0262	Domiasiat (KPN)	Sst	N3
0263	Jaduguda	Met	N3
0266	Narwapahar	Met	N3
0268	Rohil	Mso	M3
0269	Tummalapalle - Rachakuntapalle	Carb	M4
0270	Turamdih	Met	N3
0272	Wahkyn	Sst	N3
0273	Peddagattu	Unc	M4
0274	Remaja-Hitam	Met	O5
0277	Al Abiad-Al Wady	Pho	K3
0278	Al Hassa - Al Qatrana	Pho	K3
0279	Al Shedeye - Eshidia	Pho	K3
0280	Ruseifa	Pho	K3
0282	Tono District (4 Deposits)	Sst	P3
0283	Agashskoye	Met	M2
0285	Assarchik	Sst	M2
0286	Balkashinskoye	Volc	M2
0289	Botaburum	Volc	M2
0290	Budennovskoye 1, 3 & 4	Sst	M2
0291	Burlukskoye	Met	M2
0292	Chaglinskoye	Met	M2
0294	Daba	Volc	M2
0297	Dzhusandalynskoye	Gran	M2
0298	Dzhidely	Volc	M2

Dep ID	Dep Name	Dep Type	Grid
0299	Fevralskoye	Met	M2
0300	Glubinnoye	Met	M2
0301	Grachevskoye	Met	M2
0303	Inkai 1, 2 & 3	Sst	M2
0304	Irkol	Sst	M2
0305	Ishimskoye	Met	M2
0306	Kamyshevoye	Met	M2
0307	Kanzhugan	Sst	M2
0308	Karakoyn	Sst	M2
0309	Karamurun North	Sst	M2
0310	Karamurun South	Sst	M2
0311	Karyntarynskoye	Pho	L2
0313	Kharasan 1-North	Sst	M2
0315	Koldzhat	LigCo	N2
0321	Kyzylsay District (8 deposits)	Volc	M2
0323	Kyzyltu	Sst	M2
0326	Manybaiskoye	Volc	M2
0327	Melovoye	Pho	L2
0328	Moynkum Central	Sst	M2
0329	Mynkuduk East	Sst	M2
0330	Nizhneylyiskoye	LigCo	M2
0333	Semizbai	Sst	M2
0335	Shokhpak	Met	M2
0336	Sholak-Espe	Sst	M2
0338	Slavyanskoye	Met	M2
0339	Suluchekinskoye	Sst	M2
0342	Tasmurunskoye	Pho	L2
0344	Taybagarskoye	Pho	L2
0345	Tomakskoye	Pho	L2
0347	Uvanas	Sst	M2
0348	Victorovskoye	Met	M2
0349	Vostok	Met	M2
0352	Zarechnoye	Sst	M2
0353	Zaozernoye	Met	M2
0354	Zhalpak	Sst	M2
0355	Zhautkan	Sst	M2
0356	Zvyozdnoe	Met	M2
0357	Maylisay	Carb	M2
0358	Mailuu-Suu	Carb	M2
0360	Turakavak	LigCo	M2
0367	La Sierrita	Sst	E3
0371	Santo Domingo	Pho	D3
0372	Kayelekera	Sst	K5
0373	Dornod District (12 deposits)	Volc	O2

Dep ID	Dep Name	Dep Type	Grid
0374	Gurvanbulak Central Zone	Volc	O2
0375	Kharaat	Sst	O2
0379	Gantour Basin	Pho	I3
0380	Oulad Abdoun Basin	Pho	I3
0381	Meskala Basin	Pho	I3
0382	Oued Eddahab Basin	Pho	I3
0387	Klein Trekkopje	Surf	J6
0388	Langer Heinrich	Surf	J6
0390	Rossing	Int	J6
0391	Tumas	Surf	J6
0392	Valencia	Int	J6
0394	Ebba Nord	Sst	J4
0395	Ebba Sud	Sst	J4
0396	Akola	Sst	J4
0397	Akouta Nord	Sst	J4
0398	Akouta Sud	Sst	J4
0399	Ariege	Sst	J4
0401	Arlette	Sst	J4
0403	Artois	Sst	J4
0404	Abakorum	Sst	J4
0405	Imouraren	Sst	J4
0407	Tamou	Sst	J4
0408	Taza Nord	Sst	J4
0420	Rajsk	Bsh	K2
0428	Nisa	Gran	I3
0432	Urgeirica	Gran	I2
0435	Shinkolobwe-Kasolo	Met	K5
0439	Baita Bihor	Sst	K2
0445	Crucea	Met	K2
0447	Dobrei South	Sst	K2
0456	Tulghes-Grinties	Met	K2
0460	Antei	Volc	O2
0461	Argunskoye	Volc	O2
0463	Badyelskoye	LigCo	L1
0466	Belskoje	LigCo	K2
0468	Beryozovoye	Gran	O2
0469	Beshtaugorskoye	Volc	L2
0472	Briketno-Zheltuhinskoye	LigCo	K2
0474	Buyanovskoye	Sst	O2
0477	Bytuguchag	Gran	Q1
0479	Chaplinskoye	LigCo	S1
0482	Crystalnoye	Gran	O2
0483	Dalneye	Volc	O2
0484	Dobrovolnoye	Sst	M2

Dep ID	Dep Name	Dep Type	Grid
0485	Dolmatovskoye	Sst	M2
0486	Druzhnoye	Mso	P2
0487	Dybryn	Sst	O2
0492	Gornoye	Gran	O2
0493	Imskoye	Sst	O2
0494	Interesnoye	Mso	P2
0497	Karhu	Unc	K1
0500	Kedrovoye	Sst	N1
0503	Khiagdinskoye	Sst	O2
0504	Khokhlovskoye	Sst	M2
0505	Kolichikan	Sst	O2
0507	Koretkondinskoye	Sst	O2
0508	Kosmozero	Mso	K1
0513	Lastochka	Volc	P2
0515	Luchistoye	Volc	O2
0516	Malinovskoye	Sst	N2
0517	Malo-Tulukuevskoye	Volc	O2
0518	Martovskoye	Volc	O2
0520	Meridionalnoye	Sst	O2
0522	Namaru	Sst	O2
0524	Novogodneye	Volc	O2
0526	Oktyabrskoye	Volc	O2
0527	Olovskoye	Volc	O2
0528	Osenneye	Met	K1
0530	Prigorodnoye	Sst	N2
0531	Primorskoye	Sst	N2
0533	Pyatilentneye	Volc	O2
0534	Rodionovskoye	Surf	O2
0537	Repyevskoye	Carb	L2
0538	Rjabinovoye	Volc	N2
0539	Sanarskoye	Surf	M2
0544	Shirondukuevskoye	Volc	O2
0550	Srednaya Padma	Mso	K1
0551	Stepnovskoye	Pho	L2
0553	Stepnoye	Sst	O2
0555	Streltsovskoye	Volc	O2
0559	Tetrakhskoye	Sst	O2
0562	Tsarevskoye	Mso	K1
0564	Tulukuevskoye	Volc	O2
0566	Ust-Uyukskoye	Sst	N2
0568	Vershinnoye	Sst	O2
0573	Vitlandskoye	Surf	O2
0576	Yubileinoye	Volc	O2
0578	Yugo-Zapadnoye	Volc	O2

Dep ID	Dep Name	Dep Type	Grid
0580	Zheglovskoye	Sst	O2
0581	Zherlovoye	Volc	O2
0583	Zjulzinskoye	Sst	O2
0585	Blyvooruitzicht Tailings	PQPC	K6
0586	Buffelsfontein	PQPC	K6
0587	Chemwes-Stilfontein	PQPC	K6
0588	Driefontein Mine	PQPC	K6
0589	Free State Geduld	PQPC	K6
0590	Harmony	PQPC	K6
0591	Hartebeestfontein	PQPC	K6
0592	Loraine	PQPC	K6
0593	Phalabora	Int	K6
0594	President Brand Mine	PQPC	K6
0595	President Steyn	PQPC	K6
0597	Oryx Mine (Beatrix West Section)	PQPC	K6
0599	Western Rand Tailings	PQPC	K6
0600	Western Areas Mine	PQPC	K6
0601	Western Deep Levels Mine	PQPC	K6
0602	Western Holdings	PQPC	K6
0603	Alio Ghelle	Mso	L4
0604	Dusa Mareb-El Bur District	Surf	L4
0606	Zirovski Vrh	Sst	J2
0616	Mina Fe	Gran	I2
0618	Retortillo	Gran	I2
0622	Ranstad	Bsh	J2
0625	Bailik	Bsh	L2
0626	Sernoye	Sst	L2
0632	Yozgat-Sorgun	Sst	K3
0633	Adamivske	LigCo	K2
0638	Kalynivske	Int	K2
0642	Michurinske	Mso	K2
0646	Pershotravneve	Mso	K2
0648	Safonivske	Sst	K2
0649	Severinivske	Mso	K2
0651	Vatutinske	Mso	K2
0652	Yuzhnoye	Int	K2
0653	Zhovtorichenske	Mso	K2
0655	Alta Mesa	Sst	E3
0656	Alta Verde	Sst	E3
0657	Ambrosia Lake District (Dysart)	Sst	D3
0658	Anderson Mine	Volc	D3
0660	Bear Creek Mines	Sst	D2
0662	Bernabe-Montano District	Sst	D3
0663	Big Buck / Velvet	Sst	D3

Dep ID	Dep Name	Dep Type	Grid
0664	Big Eagle Phase 2/Green Mtn	Sst	D2
0666	Marsland Big Red	Sst	D3
0670	Borrego Pass	Sst	D3
0675	Butler-Weddington	Sst	E3
0680	Central Florida District	Pho	E3
0683	Christensen Ranch	Sst	D2
0684	Churchrock - Section 4	Sst	D3
0686	Clay West	Sst	E3
0688	Copper Mountain	Gran	D2
0689	Crooks Gap District	Sst	D2
0690	Crow Butte	Sst	D2
0691	Crownpoint	Sst	D3
0694	Dewey-Burdock	Sst	D2
0695	East Florida District	Pho	E3
0696	East Gas Hills	Sst	D2
0699	Fernandez Main Ranch	Sst	D3
0701	Jackpot Mine	Sst	D2
0704	Hansen	Sst	D3
0710	Highland	Sst	D2
0711	Holiday-El Mesquite	Sst	E3
0713	Irigaray	Sst	D2
0716	Jackpile - Paguate	Sst	D3
0722	Kingsville Dome	Sst	E3
0723	L-Bar Ranch	Sst	D3
0724	La Jara Mesa	Sst	D3
0728	Lee	Sst	D3
0729	Deremo Mine	Sst	D3
0732	Long Park	Sst	D3
0735	Lucky Mc Mine	Sst	D2
0737	Mancos-Sections 7-12	Sst	D3
0738	Mariano Lake	Sst	D3
0743	Mi Vida	Sst	D3
0744	Midnite	Gran	D2
0745	Monogram Mesa	Sst	D3
0751	Mount. Taylor Mine	Sst	D3
0752	Narrow Canyon	Sst	D3
0756	North Butte / Brown Ranch	Sst	D2
0757	North Florida District	Pho	E3
0758	Northeast Florida District	Pho	E3
0763	Pandora	Sst	D3
0764	Panna Maria	Sst	E3
0767	Petrotomics / Dave	Sst	D2
0771	Pitch Mine	Met	D3
0775	West Reno Creek	Sst	D2

Dep ID	Dep Name	Dep Type	Grid
0776	Rhode Ranch District	Sst	E3
0777	Rio Puerco	Sst	D3
0781	Ruby	Sst	D3
0785	Saint Anthony/M-6	Sst	D3
0789	Schwartzwalder Mine	Met	D3
0792	Sherwood Mine	Sst	D2
0794	Shirley Basin Mine	Sst	D2
0796	Slick Rock District	Sst	D3
0797	Smith Ranch	Sst	D2
0798	South Florida District	Pho	E3
0799	South Morton Ranch	Sst	D2
0802	Sweetwater Mine	Sst	D2
0803	Taylor Ranch	Sst	D3
0805	Tony M	Sst	D3
0809	Atkinson Mesa District	Sst	D3
0810	Vanadium	Sst	D3
0812	West Gas Hills	Sst	D2
0813	West Largo	Sst	D3
0814	Whiskey Peak / Green Mountain	Sst	D2
0815	Agron	Sst	M3
0816	Aktau	Sst	M2
0817	Alatanga	Volc	M2
0818	Alendy	Sst	M2
0820	Aulbek	Sst	M2
0823	Beshkak	Sst	M2
0824	Bukinay North	Sst	M2
0826	Chauli	Volc	M2
0827	Dzhantuar	Bsh	M2
0828	Kenimekh	Sst	M2
0830	Kendyktjube	Sst	M2
0831	Ketmenchi	Sst	M3
0833	Lyavlyakan	Sst	M2
0835	Meylysai	Sst	M2
0836	Nagornoye	Sst	M3
0837	Rudnoye	Bsh	M2
0838	Sabyrsay	Sst	M3
0839	Severny Kanimekh	Sst	M2
0841	Shark	Sst	M3
0842	Sugraly	Sst	M2
0845	Tutlyinskaya	Sst	M3
0846	Uchkuduk	Sst	M2
0847	Ulus	Sst	M3
0849	Yuzhny Bukinai	Sst	M2
0851	Khe Hoa-Khe Cao	Sst	O4

Dep ID	Dep Name	Dep Type	Grid
0890	Tabelle	Sst	J4
0891	Taza Sud	Sst	J4
0892	Takriza	Sst	J4
0893	Tamgak	Sst	J4
0895	Marianne - Maryline	Sst	J4
0929	Church Rock - Section 8 and 17	Sst	D3
0930	Peach	Sst	D2
0932	Reynolds Ranch	Sst	D2
0942	Tortkuduk	Sst	M2
0947	Oobagooma-Yampi	Sst	P5
0948	91 Ranger 1 N°1	Unc	P5
0951	Jabiluka 2	Unc	P5
0952	Ranger 1 N°3	Unc	P5
0953	Oberschlema	Gran	J2
0955	Val Vedello	Volc	J2
0977	Prominent Hill	PBx	P6
0979	Nolans Bore	Int	P6
0981	Ace-Fay-Verna	Met	D2
0982	Andrew Lake	Unc	E1
0985	End Grid	Unc	E1
0988	Horseshoe	Unc	D2
0990	Millennium	Unc	D2
0992	P Patch Zone	Unc	D2
0994	Shea Creek-Anne	Unc	D2
0995	Shea Creek-Colette	Unc	D2
0996	Shea Creek-Kianna	Unc	D2
0998	Cluff Lake Dominique-Peter	Unc	D2
0999	Cluff Lake Dominique-Jeanine	Unc	D2
1000	Collins Bay B	Unc	D2
1003	Kiggavik Centre	Unc	E1
1006	Sue C	Unc	D2
1008	Sue E	Unc	D2
1010	Eldorado (Port Radium)	Met	D1
1012	Bagjata	Met	N3
1013	Banduhurang - Turamdih South	Met	N3
1030	Gogi	Gran	M4
1031	Chitrial	Unc	M4
1042	BJ Lake	Unc	D2
1051	Centennial	Unc	D2
1053	Charlebois Lake	Int	D2
1059	Dieter Lake	Bsh	F2
1075	Jacques Lake	Mso	G2
1077	Drope Lake - La Ronge	Int	D2
1078	Lac Cinquante	Met	E1

Dep ID	Dep Name	Dep Type	Grid
1082	Midwest A	Unc	D2
1083	Matoush	Sst	F2
1086	Roughrider	Unc	D2
1091	Mountain Lake	Sst	D1
1099	P2 Main	Unc	D2
1100	Paul Bay	Unc	D2
1110	Tamarack	Unc	D2
1120	Shihongtan	Sst	N2
1121	Zhaohuohao (396)	Sst	O3
1138	Allied Zones	Int	F2
1139	Apple	PQPC	F2
1143	Can-Met	PQPC	E2
1145	Eco Ridge Mine	PQPC	E2
1150	L	Sst	F2
1156	Stanrock	PQPC	E2
1162	Veznice	Met	J2
1165	Luena Basin	LigCo	K5
1166	Musonoi Extension	Met	K5
1168	Siwaqa	Surf	K3
1169	Akdala	Sst	M2
1176	Falea	Sst	I4
1178	Khairkhan	Sst	O2
1179	Ulaan Nuur	Sst	O2
1180	Aussinanis	Surf	J6
1181	Anomaly A (Etango)	Int	J6
1184	Marenica	Surf	J6
1185	Trekkopje	Surf	J6
1187	Arcadie	Sst	J4
1191	Nord Somair	Sst	J4
1192	Taossa	Sst	J4
1193	Teguidda (Ir, G, T)	Sst	J4
1195	Yuti	Sst	G6
1196	Corachapi	Volc	F5
1198	Kemchug	Volc	N2
1200	Ghurayyah	Int	K3
1203	Kuriskova	Volc	K2
1204	Novoveska Huta	Volc	K2
1209	Denny Dalton	PQPC	K6
1210	Dominion Reefs	PQPC	K6
1211	Ezulwini	PQPC	K6
1212	Rietkuil	PQPC	K6
1213	Ryst Kuil	Sst	K6
1214	Springbok Flats	LigCo	K6
1215	Gambuta	Gran	I3

Dep ID	Dep Name	Dep Type	Grid
1218	Duobblon	Volc	J1
1225	Tasjo District	Pho	J1
1231	Dibwe	Sst	K5
1235	Mutanga Main	Sst	K5
1237	Njame	Sst	K5
1238	Severnoye	Mso	P2
1239	Tsentralne	Mso	K2
1240	Novokostyantynivske	Mso	K2
1241	Pidhajtsivske	Mso	K2
1247	Abeta	PQPC	E2
1248	Banana Lake	PQPC	E2
1253	Gaertner	Unc	D2
1254	Millaqua	PQPC	E2
1255	Silvermaque	PQPC	E2
1258	Serule Nw	Sst	K6
1267	Firawa	Met	I4
1268	Kanyika	Int	K5
1269	Garnet Valley	Int	J6
1270	Namib Park	Surf	J6
1272	Oryx (Tumas 3)	Surf	J6
1277	Beisa North	PQPC	K6
1279	Cooke / Old Randfontein Tailings	PQPC	K6
1280	East Rand Consolidated Tailing	PQPC	K6
1284	Potchefstroom Goldfield	PQPC	K6
1285	Southern Free State (4 deposits)	PQPC	K6
1286	Vaal River Tailings	PQPC	K6
1290	Nyota	Sst	K5
1298	North Shore Double S Zone	Int	F2
1299	North Shore Middle Zone	Int	F2
1300	North Shore Tj Zone	Int	F2
1303	Chuquicamata	Int	F6
1307	Oshively	Int	J6
1311	MMS Vicken	Bsh	J1
1313	Sw Reno Creek	Sst	D2
1316	Four Mile East	Sst	P6
1317	Dawson-Hinkler	Surf	P6
1319	Windimurra	Surf	O6
1327	Blackbush	Sst	P6
1329	E1 North & South	PBx	Q6
1330	Four Mile West	Sst	P6
1331	Hillview	Surf	O6
1339	Araxa	Int	G5
1342	Olinda	Pho	H5
1343	Pitinga	Int	F5

Dep ID	Dep Name	Dep Type	Grid
1347	Amer Lake- Main Zone	Sst	E1
1351	Moran Lake C Zone	Met	F2
1358	Phoenix	Unc	D2
1359	Pama	Pho	K4
1360	Pato	Pho	K4
1361	Patricia	Pho	K4
1367	Sierra Gorda	Int	F6
1368	Chengxian Mine	Bsh	O3
1370	Lantian Mine	Gran	O3
1374	Saima	Int	P2
1377	Berlin	Sst	F4
1378	Brzkov	Met	J2
1383	Pecs	Sst	J2
1390	Tyuya-Muyum	Carb	M2
1395	San Juan De La Costa	Pho	D3
1397	Turgen District	Volc	O2
1398	Ugtam	Volc	O2
1400	Inca	Mso	J6
1401	Imca 25	Sst	J4
1402	Irhawenzegirhan	Sst	J4
1406	Isakanan	Sst	J4
1408	Taunsa	Sst	M3
1409	Colibri 2 & 3	Volc	F5
1413	Abu Tartur	Pho	K3
1414	Akashat	Pho	K3
1415	Elkon	Mso	P2
1416	Elkonskoe Plateau	Mso	P2
1417	Kurung	Mso	P2
1419	Kopanang Mine	PQPC	K6
1421	Sageras-Zona M	Gran	I2
1424	Palmira District	Pho	K3
1429	Antelope	Sst	D2
1431	Aurora	Volc	D2
1432	Bingham Canyon	Int	D2
1433	Black Jack 1 & 2	Sst	D3
1443	Coles Hill North	Mso	F3
1444	Coles Hills South	Mso	F3
1461	Hank Unit	Sst	D2
1462	Hosta Butte	Sst	D3
1465	Juan Tafoya	Sst	D3
1467	Kings Valley	Volc	D2
1468	Los Quatros	Volc	D3
1469	Lost Creek	Sst	D2
1470	Lost Soldier	Sst	D2

Dep ID	Dep Name	Dep Type	Grid
1471	Marquez	Sst	D3
1479	Section 22 (New Mexico)	Sst	D3
1480	Section 23 (New Mexico)	Sst	D3
1481	Section 24 (New Mexico)	Sst	D3
1485	Section 30 (New Mexico)	Sst	D3
1489	Sheep Mountain	Sst	D2
1494	Velvet-Wood Mines	Sst	D3
1495	Virgin Valley	Volc	D2
1503	Tabhing Area	Sst	O4
1505	Malundwe	Met	K5
1508	Double 8	Sst	P6
1515	Lujing District (5 deposits)	Gran	O3
1517	Qianjiadian (2 deposits)	Sst	P2
1520	Serres Basin	LigCo	K2
1521	Inkai South-4	Sst	M2
1525	Onkelo	Int	J6
1526	Bayovar	Pho	E5
1527	Neprokhodimoye	Mso	P2
1532	Goliad	Sst	E3
1534	Hack Canyon 2	CBx	D3
1542	Budennovskoye 2	Sst	M2
1543	Ambassador	LigCo	P6
1544	Emperor	LigCo	P6
1546	Gorgon Main	Sst	K6
1547	Kraken	Sst	K6
1548	Husab - Zone 1	Int	J6
1549	Husab - Zone 2	Int	J6
1550	Shanawah	Sst	M3
1554	Negev Desert District	Pho	K3
1562	Beatrix	PQPC	K6
1563	Kloof Tailings	PQPC	K6
1564	South Deep Mine (Underground)	PQPC	K6
1565	Cooke 1, 2 & 3/Old Randfontein	PQPC	K6
1568	Barber	Sst	D2
1569	Boyer	Sst	D3
1571	Coyote Basin	LigCo	D2
1575	Noah	Sst	D3
1576	North West Taylor	Sst	D3
1579	Ross	Sst	D2
1582	Roca Honda Mine	Sst	D3
1583	Attarat-Wadi Maghar	Pho	K3
1585	Gachin	Surf	L3
1590	Toongi	Int	Q6
1591	Beerwalde-Korbussen	Bsh	J2

Dep ID	Dep Name	Dep Type	Grid
1592	Bernsbach	Gran	J2
1596	Crimmitschauer Fault Zone	Bsh	J2
1597	Drosen	Bsh	J2
1601	Gera Sud	Sst	J2
1604	Kyhna - Schenkenberg	Volc	J2
1605	Lichtenberg	Bsh	J2
1607	Paitzdorf	Bsh	J2
1609	Prehna	Bsh	J2
1611	Schmirchau - Reust	Bsh	J2
1619	Zeitz - Baldenhain	Bsh	J2
1620	Kaynar	Sst	M2
1622	Kharasan 2-South	Sst	M2
1623	Moynkum South	Sst	M2
1624	Mynkuduk Central	Sst	M2
1625	Mynkuduk West	Sst	M2
1626	Chubu	Bsh	P3
1628	Gumsan	Bsh	P3
1632	Yokwang	Bsh	P3
1636	Takardeit	Sst	J4
1637	Tin Negouran	Sst	J4
1641	Zona Pologaya	Mso	P2
1652	Cappers	Surf	P6
1653	Archontovounis	Gran	K2
1656	Alameda	Gran	I2
1659	Haggan	Bsh	J1
1662	Husab - Zone 3	Int	J6
1664	Husab - Zone 4	Int	J6
1665	Great Nolingwa Mine	PQPC	K6
1666	Moab Khotsong	PQPC	K6
1667	Mponeng	PQPC	K6
1671	Majuelos	Gran	I2
1675	Tubas Red Sand	Surf	J6
1694	Carley Bore	Sst	O6
1695	Odin	Mso	P6
1696	Gorgon West	Sst	K6
1697	Gorgon South	Sst	K6
1699	Catalao	Int	G5
1700	Drucourt Zone	Int	F2
1702	J Zone	Unc	D2
1703	Kolmisoppi	Bsh	K1
1704	Kuusilampi	Bsh	K1
1708	Khan Azzabib	Surf	K3
1709	Sadyrnynskoye	Pho	L2
1710	Hyena	Int	J6

Dep ID	Dep Name	Dep Type	Grid
1711	Ondjamba	Int	J6
1712	Miriam	Sst	J4
1713	Isivilla	Volc	F5
1715	Tantamaco	Volc	F5
1717	Jabal Sayid	Int	L3
1725	Phosphoria Formation	Pho	D2
1742	MML-E	Sst	J2
1743	Tuyuk-Suu	LigCo	M2
1755	Carrapateena	PBx	P6
1757	Pepegoona	Sst	P6
1759	San Hilario	Pho	D3
1761	Tembabiche	Pho	D3
1762	UF1	Pho	D3
1763	Glibat Lafhouda	Int	I3
1764	Twihinate	Int	I3
1765	De Bron	PQPC	K6
1767	Riet Kuil	Sst	K6
1768	Guanaco	Surf	F7
1770	Plumbush	Sst	P6
1772	Serule W	Sst	K6
1774	Radomiro Tomic	Int	F6
1775	A 238	Mso	I3
1776	Ain Sder C1-CJ-CR	Surf	I3
1777	Oued El Foule East	Surf	I3
1778	Oum Ferkik L-K	Surf	I3
1780	Ongolo	Int	J6
1781	Husab - Zone 5	Int	J6
1782	Al Jalamid	Pho	L3
1783	East Ebro Valley (5 deposits)	LigCo	I2
1784	Temrezli	Sst	K3
1791	Bikini	Mso	P6
1793	Millipede	Surf	P6
1796	Rio Cristallino	Sst	G5
1797	Pecors East	PQPC	E2
1798	MA 7	Int	J6
1799	Namibplass	Int	J6
1803	Dulaan Uul	Sst	O2
1805	Lubin-Sieroszowice	Bsh	J2
1810	Congo Pit	Sst	D2
1819	Todilto District	Carb	D3
1821	Igarape Bahia	PBx	G5
1822	Salobo	PBx	G5
1823	Sossego	PBx	G5
1824	J4/Ray	Met	E1

Dep ID	Dep Name	Dep Type	Grid
1826	Zoovch Ovoo	Sst	O2
1829	Ranger Deeps	Unc	P5
1830	Illimaussaq Zone 3	Int	G1
1831	Gabbal Guttar	Gran	K3
1836	Manyoni District-Zone C 1	Surf	K5
1844	Theseus	Sst	P6
1846	Frazer Lake-Zone B	Int	D2
1849	Guyuan	Volc	O3
1850	Hechaokeng	Gran	O2
1851	Kujiertai	Sst	N2
1854	Pannikan	Sst	P6
1855	Pepegoona West	Sst	P6
1856	Buckton Zone	Bsh	D2
1858	Taoshan	Gran	O3
1859	La Banane	Sst	J4
1864	Msne	Sst	J4
1866	Oak Dam	Sst	P6
1868	Maoyangtuo (570)	Met	O3
1869	Wukuerqi	Sst	N2
1872	Plouznice	Sst	J2
1874	Sorensen	Int	G1
1878	Dwaima	Pho	K3
1879	Ethna	Pho	K3
1880	Hirri	Pho	L3
1881	H 3	Pho	K3
1882	Marbat	Pho	L3
1883	Swab	Pho	K3
1885	Ulzitt	Sst	O2
1886	Dajy	Sst	J4
1887	Dasa 1, 2 & 3	Sst	J4
1891	Marby	Bsh	J1
1894	Minjingu	Pho	K5
1911	Kendrick	Sst	D2
1913	Lisbon Mine	Sst	D3
1922	North Reno Creek	Sst	D2
1923	Nose Rock	Sst	D3
1936	Twin Butte	Int	D3
1938	White Canyon District	Sst	D3
1939	Yerington	Int	D3
1941	Buckton South	Bsh	D2
1942	Canuc Zone	PQPC	E2
1943	Milo	PBx	Q6
1945	Gemico Block 3	PQPC	E2
1946	Gemico Block 10	PQPC	E2

Dep ID	Dep Name	Dep Type	Grid
1947	Triple R	Unc	D2
1948	Teasdale Lake Zone	PQPC	E2
1949	Bayinwula	Sst	O2
1951	Shashagetai	Sst	O3
1952	Sunjialiang	Sst	O3
1955	Z 20	Int	J6
1956	Armelle	Sst	J4
1957	Tamani	Sst	J4
1958	Tamgak Deep	Sst	J4
1959	Taverse	Sst	J4
1960	Bloemhoek	PQPC	K6
1961	Cooke 4 (Gauteng)	PQPC	K6
1967	Chattanooga Shale Formation	Bsh	E3
1969	Dibwe East	Sst	K5
1971	Northern Great Plains	LigCo	D2
1972	Happy Valley 2-15	Int	J6
1973	Happy Valley 18	Int	J6
1978	West Rand Tailings (Wrtrp)	PQPC	K6
1979	West Witts Tailings (13 Tailings)	PQPC	K6
1980	Narke	Bsh	J2
1988	Palua	Sst	O4
1989	Parong	Sst	O4
1990	Tebessa District	Pho	J3
1991	Fosse-Pamela	Pho	K4
1992	El Sebaeya East	Pho	K3
1993	Red Sea District	Pho	K3
1994	Chatham Rise	Pho	R7
1995	Gafsa-Metlaoui District	Pho	J3
1996	Binh Duong	Pho	O3
1998	Nong Son	LigCo	O4
2000	Monument Valley District	Sst	D3
2002	Fab Trend	Sst	D2
2007	Billeroo	Sst	P6
2008	Brooks Dam	Sst	Q6
2009	Four Mile North-East	Sst	P6
2029	Arrow	Unc	D2
2032	Gryphon	Unc	D2
2034	Mann Lake	Unc	D2
2040	Léré	Mso	J4
2041	Motzfeldt	Int	G1
2047	La Terraza	Volc	F6
2053	Terraza North	Volc	F6
2054	Tigre I	Volc	F6
2845	Stilfontein	PQPC	K6

Dep ID	Dep Name	Dep Type	Grid
4176	Treviels	Sst	J2
4192	Baltoscandia District	Bsh	K2
4196	Kok Moinok	Gran	M2
4198	Aghracha	Surf	I3
4199	Drag-Al Farnane	Int	I3
4202	Tarfaya Basin	Bsh	I3
4203	Timahdit Basin	Bsh	I3
4204	Welwitschia Flats	Surf	J6
4210	Chilcuno Chico	Volc	F5
4212	Quebradra Blanca	Volc	F5
4221	Al Khabra	Pho	K3
4222	Umm Wu'Al	Pho	K3
4223	Blyvooruitzicht Mine	PQPC	K6
4224	Daggafontein Mine	PQPC	K6
4226	Doornfontein	PQPC	K6
4228	Driefontein Tailings	PQPC	K6
4236	Ergo	PQPC	K6
4238	Freddies	PQPC	K6
4241	Luipaardsvlei	PQPC	K6
4243	Vaal Reefs Mine	PQPC	K6
4244	Virginia	PQPC	K6
4250	West Rand Consolidated Mine	PQPC	K6
4258	Cliffside Mine	CBx	D3
4261	Round Top	Int	D3
4265	Pilanesberg - Ledig Zone	Int	K6
4266	Krasnoselskoye	Bsh	K2
4267	Kotlovskoye	Bsh	K2
4268	Durban (Roodeport) Deep	PQPC	K6
4269	Kosachinoye	Met	M2
4270	El Sebaeya West	Pho	K3
4271	Mecsec Mine	Sst	J2
4272	Saaiplaas	PQPC	K6
4273	Deelkrall	PQPC	K6
4274	Mabounie	Int	J5
4275	Jeanette	PQPC	K6
4276	Fox Lake	Unc	D2
4277	Bytiz 4, 22-40	Gran	J2
4278	Engenho	Mso	G5
4279	Smaldeel	PQPC	K6
4280	Afrikander	PQPC	K6
4281	Zheltorechenske	Mso	K2
4282	Da Rabicha	Mso	G5
4283	Hamr South (Hamr II)	Sst	J2
4284	Bukinay South	Sst	M2

Dep ID	Dep Name	Dep Type	Grid
4285	Cristalino	PBx	G5
4286	Khamsin	PBx	P6
4287	Cachoeira	Mso	G5
4288	Kalbasfontein	PQPC	K6
4289	Litne	Mso	K2
4290	Balkovskoye	Pho	L2
4291	Mengqiguer 2	Sst	N2
4292	Zuurbekom	PQPC	K6
4293	Ebene	Sst	J4
4294	Modesto	Mso	G5
4295	Elandsrand	PQPC	K6
4296	Aquelt Assfaya	Surf	I3
4297	Ernest Henry	PBx	Q6
4298	Hakkies	PQPC	J6
4299	Phoenix	PQPC	K6
4300	Puissagtaq	Gran	G1
4301	Sutherland 2	Sst	K6
4302	Juzkuduk	Sst	M3
4303	Lesetice	Gran	J2
4304	Rhenosterroek	PQPC	K6
4305	Ergo Tailings	PQPC	K6
4306	Middle Dome	Int	J6
4307	Zvezdnoye	Met	M2
4308	Banadungri-Sinidungri	Met	N3
4309	Area 1 East	PQPC	K6
4310	Doornrivier	PQPC	K6
4311	Bofal-Loubboira	Pho	I4
4312	Alemao	PBx	G5
4313	Zhuravlinoye	Volc	O2
4314	Holicky	Sst	J2
4315	Hnativske	Mso	K2
4316	Yuriivske	Mso	K2
4317	Partyzanske	Mso	K2
4318	Pivdennokonoplyanske	Mso	K2
4319	Pivnichnokonoplyanske	Mso	K2
4320	Dokuchaevske	Mso	K2
4321	Kvitneve	Mso	K2
4322	Schorsivske	Mso	K2
4323	Lelekivske	Mso	K2
4324	Hannivka	Mso	K2
4325	Lisne	Mso	K2
4326	Kremenchugske	Mso	K2
4327	Jeruzalem	Gran	J2
4328	Melkraals	PQPC	J6

Dep ID	Dep Name	Dep Type	Grid
4329	Grootvlei Tailings	PQPC	K6
4330	Baimadong	Carb	O3
4331	Kareeport	Sst	K6
4332	Fochville	PQPC	K6
4333	Krizani	Sst	J2
4334	Boztauskaya	Bsh	M2
4335	Tushinskoye	Met	M2
4336	Mestena Grande	Sst	E3
4337	Haanekuil	Sst	K6
4338	Vermeulenskraal North	PQPC	K6
4339	Moab Extension	PQPC	K6
4340	Sarydjaz	Bsh	M2
4341	Robijn	PQPC	K6
4342	Salem	Int	J6
4343	Elandsfontein	Sst	K6
4344	Tshepong	PQPC	K6
4345	Phakisa	PQPC	K6
4346	Brod	Gran	J2
4347	Weltevreden	PQPC	K6
4348	Pocos De Caldas-Agostino	Int	G6
4349	Graben	Sst	F7
4350	Kyzyl	Volc	M2
4351	Das Quebradas	Mso	G5
4352	Laranjeiras	Mso	G5
4353	Prudovoye	Pho	L2
4354	Buratinskoye South	Pho	L2
4355	Bagaburulskoye NE	Pho	L2
4356	Kharabulukskoye North	Pho	L2
4357	Bagaburulskoye	Pho	L2
4358	Nugrinskoye	Pho	L2
4359	Bogorodskoye	Pho	L2
4360	Shargadykskoye	Pho	L2
4361	Yashkulskoye	Pho	L2
4362	Centralnoye	Pho	L2
4363	Troitskoye	Pho	L2
4364	Abou Skhair	Carb	L3
4365	Wangjiachong	Sst	O3
4366	Sirotininsk	Sst	O2
4367	Smolenskoye	Sst	N2
4368	Chasovoye	Gran	O2
4369	Korolevskoye	Gran	O2
4370	Bystroye	Sst	N2
4371	Bashibulak	Sst	M3
4372	Nekrakovskoye	Pho	L2

Dep ID	Dep Name	Dep Type	Grid
4373	Vranov	Sst	J2
4374	Srni Potok	Sst	J2
4375	Pavlin	Sst	J2
4376	Xinwu Basin (5 deposits)	Sst	O3
4377	Arnold	Sst	J4
4378	Aride	Sst	J4
4379	Yarkuduk	Sst	M3
4380	Istiklol	Sst	M2
4381	Wuhisan	Sst	N2
4382	Wuhier	Sst	N2
4383	North Tamdinskaya	Bsh	M2
4384	Wuyiyi	Sst	N2
4385	Baxingtu	Sst	P2
4386	Kenze	Sst	M2
4387	Likhmanovske	Mso	K2
4388	YGOK	Mso	K2
4389	Stetchovskaya	Mso	K2
4390	Krasnogvardeiske	Mso	K2
4391	Annovske	Mso	K2
4392	Kirovskii	Mso	K2
4393	Stankovatskaya	Mso	K2
4394	Kurnikoskoye-W	Mso	K2
4395	Stepne	Mso	K2
4396	Novopavdovske	Mso	K2
4397	Manuiylivske	Mso	K2
4398	Steblevskaya	Mso	K2
4399	Podgaitsevskoye	Mso	K2
4400	Andriivske	Mso	K2
4401	Kohanivske	Mso	K2
4402	Rand Proprietary M Tailings	PQPC	K6
4403	Honghaigou	Sst	N2
4404	Tamdikuduk-Tulyantashkaya	Sst	M3
4405	Masimong	PQPC	K6
4406	South Deep Mine (Tailings)	PQPC	K6
4407	Vredefort	PQPC	K6
4408	Gurvanbulak Intermediate Zone	Volc	O2
4409	Plateau West	Sst	F7
4410	Fraserburg 2	Sst	K6
4411	Fraserburg	Sst	K6
4412	Mazarete Extension W (Zona II)	Sst	I2
4413	Pirna	Sst	J2
4414	Tierhoek	Sst	K6
4415	Vermeulenskraal	PQPC	K6
4416	St Helena Tailings	PQPC	K6

WORLD DISTRIBUTION OF PALEO QUARTZ-PEBBLE CONGLOMERATE URANIUM DEPOSITS

IAEA International Atomic Energy Agency

SECOND EDITION: 2018

Scale 1: 1:35 000 000

Kilometres 500 0 500 1,000 1,500 2,000 Kilometres

Mercator Projection: Central Meridian 10°

Map production by M.C. Fairclough (IAEA), J.A. Irvine (Australia), L.F. Katona (Australia) and W.L. Slimmon (Canada). World Distribution of Uranium Deposits, International Atomic Energy Agency, Vienna, Austria. Cartographic assistance was supplied by the Geological Survey of South Australia, the Saskatchewan Geological Survey and United States Geological Survey to the IAEA.

Deposit data derived from IAEA UDEPO (http://infcis.iaea.org/UDEPO/About.cshtml) database with assistance from P. Bruneton (France), M. Mihalasky (U.S.A.), M. Cuney (France), M. Aranha (IAEA), O. Pylypenko (IAEA) and K. Poliakovska (IAEA). The map is an updated companion to "World Distribution of Uranium Deposits (UDEPO) with Uranium Deposit Classification, IAEA Tech-Doc-1629" and "World Distribution of Uranium Deposits (UDEPO) 2016 Edition, IAEA Tec-Doc in-preparation". Map data is current to beginning 2017.

Geology was derived from L.B. Chorlton, Generalized Geology of the World, Geological Survey of Canada, Open File 5529, 2007 under Open Government Licence - Canada (http://data.gc.ca/eng/open-government-licence-canada)

Coastlines and drainage were obtained from Natural Earth public domain vector map data (http://www.naturalearthdata.com/about/terms-of-use). Country boundaries are from the United Nations² (http://www.un.org/Depts/Cartographic/english/htmain.htm). The use of particular designations of countries or territories does not imply any judgement by the publisher, the IAEA, as to the legal status of such countries or territories, of their authorities and institutions or of the delimitation of their boundaries. Dotted line represents approximately the Line of Control in Jammu and Kashmir agreed upon by India and Pakistan. The final status of Jammu and Kashmir has not yet been agreed upon by the parties. Final boundary between the Republic of Sudan and the Republic of South Sudan has not yet been determined.

Deposit Type	Deposit Subtype	Deposit Size (tU original or produced+remaining resource) < 1 000	1 001 - 5 000	5 001 - 25 000	25 001 - 100 000	> 100 000
1. Intrusive (Int)	Anatectic					
	Plutonic¹					
2. Granite-related (Gran)	Endogranitic					
	Perigranitic					
3. Polymetallic Fe oxide breccia complex¹ (PBx)						
4. Volcanic-related (Volc)	Stratabound					
	Structure-bound					
	Volcano-sedimentary					
5. Metasomatite (Mso)	Na-metasomatite					
	K-metasomatite					
	Skarn					
6. Metamorphite (Met)	Stratabound					
	Structure-bound					
	Marble-hosted					
7. Proterozoic unconformity (Unc)	Unconformity-contact					
	Basement-hosted					
	Stratiform fracture-controlled					
8. Collapse breccia pipe (CBx)						
9. Sandstone (Sst)	Basal channel					
	Tabular					
	Roll-front					
	Tectonic-lithologic					
	Mafic dykes/sills					
10. Paleo quartz-pebble conglomerate (PQPC)	U-dominant					
	Au-dominant¹					
11. Surficial (Surf)	Peat-bog					
	Fluvial valley					
	Lacustrine-playa					
	Pedogenic and fracture fill					
12. Lignite-coal¹ (LigCo)	Stratiform					
	Fracture controlled					
13. Carbonate (Carb)	Stratabound					
	Cataclastic					
	Paleokarst					
14. Phosphate¹ (Pho)	Organic phosphorite					
	Microchemical phosphorite					
	Continental phosphate					
15. Black shale (BSh)	Stratiform					
	Stockwork					

· Undifferentiated and unverified Uranium occurrence with no known resource estimation

▲ Undifferentiated Thorium deposit and occurrence from IAEA ThDEPO database

The Dep IDs are unique deposit identification numbers corresponding to the IAEA UDEPO database records. A deposit is defined as there is known to be a resource estimation undertaken. If the exact estimation is unknown, an estimated range is generated by IAEA. This is particularly so with unconventional resources¹ from which uranium is present at very low grades and/or only recoverable as a minor by-product using special processing techniques. Resources shown are not current remaining resources, but are the maximum of original geological resource, production figures or remaining resources at the lowest available cut-off grade. They include historic resources, and so may not be compliant with contemporary reporting standards and are not endorsed by IAEA as such. Where available, resource estimations for individual discrete ore zones are shown. Where this is not possible, some aggregation of resources are necessary. No economic or financial inferences with respect to recoverability of uranium are intended. The list of deposits is not exhaustive or current. There are 2831 deposits shown on the face of the map, but only those 102 greater than 100 000tU, or currently producing uranium, are named. Other deposits greater than 2500tU (863 deposits) are numbered, and along with larger or producing deposits, are listed below the map face. All other deposits (1866) 2500tU or less are only shown as symbols with no annotation but can be queried as described in https://helpx.adobe.com/acrobat/using/geospatial-pdfs.html.

Map Legend

- Populated place
- Railroad
- Road
- Country boundary²
- Fault trace

Lithology

- Metamorphic rocks
- Intrusive rocks
- Sedimentary and volcanic rocks
- Sedimentary rocks
- Tectonized rocks
- Volcanic and intrusive rocks
- Volcanic rocks

Era

- Holocene and Recent ice cap
- Cenozoic
- Mesozoic
- Paleozoic
- Neoproterozoic
- Mesoproterozoic
- Paleoproterozoic
- Proterozoic (undifferentiated)
- Archean and Proterozoic

Dep ID	Dep Name	Dep Type	Grid
0001	Abankor	Met	J3
0004	Timgaouine	Gran	J3
0005	Tinef	Met	J3
0006	Cerro Solo	Sst	F7
0011	Rodolfo	Sst	F6
0014	Angela	Sst	P6
0017	Ben Lomond	Volc	Q5
0018	Bennetts Well	Sst	O6
0019	Beverley	Sst	P6
0020	Bigrlyi	Sst	P6
0022	Centipede	Surf	P6
0029	Goulds Dam	Sst	P6
0032	Honeymoon	Sst	Q6
0033	Huarabagoo	Sst	P5
0034	Jabiluka 1	Unc	P5
0035	Junnagunna	Sst	P5
0036	Kintyre	Unc	P6
0037	Koongarra 1	Unc	P5
0038	Lake Maitland	Surf	P6
0041	Lake Way	Surf	P6
0043	Manyingee	Sst	O6
0044	Mary Kathleen	Mso	Q6
0047	Mount Gee	PBx	P6
0050	Nabarlek	Unc	P5
0051	Napperby	Surf	P6
0052	Nowthana	Surf	O6
0053	Olympic Dam	PBx	P6
0059	Ranger 68	Unc	P5
0060	Redtree	Sst	P5
0062	Skal	Mso	P6
0064	Thatcher Soak West	Surf	P6
0068	Valhalla	Mso	P6
0070	Warrior	Sst	P6
0073	Yeelirrie	Surf	O6
0075	Amorinopolis	Sst	G5
0077	Espinharas	Mso	H5
0078	Figueira	Sst	G6
0079	**Gandarela**	**PQPC**	**G6**
0080	Itataia-Santa Quiteria District	Met	H5
0082	Pocos De Caldas - Cercado	Int	G6
0083	**Serra Das Gaivotas**	**PQPC**	**G6**
0089	Eleshnitza District	Sst	K2
0104	Similti	Sst	K2
0109	**Agnew Lake**	**PQPC**	**E2**
0112	Blizzard	Sst	D2
0113	Cigar Lake	Unc	D2
0116	Collins Bay A	Unc	D2
0117	Cluff Lake D	Unc	D2
0118	Dawn Lake	Unc	D2
0119	**Denison Mine**	**PQPC**	**E2**
0122	Eagle Point	Unc	D2
0124	Gunnar	Mso	D2
0126	Deilmann	Unc	D2
0127	Kiggavik Main	Unc	E1
0130	Madawaska	Int	F2
0132	Mcarthur River	Unc	D2
0133	Mcclean Lake Pods	Unc	D2
0134	Michelin	Mso	G2
0135	Midwest	Unc	D2
0136	**Nordic**	**PQPC**	**E2**
0137	**Lacnor**	**PQPC**	**E2**
0138	**Panel Mine**	**PQPC**	**E2**
0139	**Spanish American**	**PQPC**	**E2**
0141	**Quirke**	**PQPC**	**E2**
0142	**Milliken**	**PQPC**	**E2**
0143	Rabbit Lake	Unc	D2
0144	Raven	Unc	D2
0147	**Stanleigh**	**PQPC**	**E2**
0155	Kitongo	Mso	J4
0157	Beimianshi	Volc	O3
0160	Chanziping	Bsh	O3
0170	Lianshanguan-Benxi Mine	Mso	P2
0172	Nuheting	Sst	O2
0175	Chengzishan (381)	Sst	N3
0179	Xiazhuang District (16 deposits)	Gran	O3
0180	Xiangshan District (11 deposits)	Volc	O3
0181	Brevniste	Sst	J2
0184	Hamr North (Hamr I)	Sst	J2
0185	Horni Slavkov District (10 deposits)	Gran	J2
0186	Hvezdov	Sst	J2
0187	Jachymov District (12 mines)	Gran	J2
0191	Mimon	Sst	J2
0193	Olsi-Dranonin	Met	J2
0194	Osecna-Kotel	Sst	J2
0196	Rozna	Met	J2
0197	Straz	Sst	J2
0198	Vitkov II	Gran	J2
0200	Zadni Chodov	Gran	J2
0201	Kvanefjeld	Int	G1
0210	Bellezane	Gran	J2
0213	Coutras	Sst	J2
0220	Commanderie (La)	Gran	I2
0221	Bernardan (Le)	Gran	J2
0223	Chardon (Le)	Gran	I2
0225	Bois Noirs (Les)	Gran	J2
0231	Mas Lavayre	Sst	J2
0232	Margnac-Peny	Gran	J2
0239	Bagombé	Sst	J5
0242	Mounana	Sst	J5
0244	Oklo	Sst	J5
0247	Culmitzsch	Sst	J2
0248	Freital-Gittersee	LigCo	J2
0250	Johanngeorgenstadt	Gran	J2
0251	Koenigstein	Sst	J2
0255	Niederschlema-Alberoda ore field	Gran	J2
0257	Tellerhäuser	Gran	J2
0259	Zobes	Gran	J2
0261	Bhatin	Met	N3
0262	Domiasiat (KPN)	Sst	N3
0263	Jaduguda	Met	N3
0266	Narwapahar	Met	N3
0268	Rohil	Mso	M3
0269	Tummalapalle - Rachakuntapalle	Carb	M4
0270	Turamdih	Met	N3
0272	Wahkyn	Sst	N3
0273	Peddagattu	Unc	M4
0274	Remaja-Hitam	Met	O5
0277	Al Abiad-Al Wady	Pho	K3
0278	Al Hassa - Al Qatrana	Pho	K3
0279	Al Shedeye - Eshidia	Pho	K3
0280	Ruseifa	Pho	K3
0282	Tono District (4 Deposits)	Sst	P3
0283	Agashskoye	Met	M2
0285	Assarchik	Sst	M2
0286	Balkashinskoye	Volc	M2
0289	Botaburum	Volc	M2
0290	Budennovskoye 1, 3 & 4	Sst	M2
0291	Burlukskoye	Met	M2
0292	Chaglinskoye	Met	M2
0294	Daba	Volc	M2
0297	Dzhusandalynskoye	Gran	M2
0298	Dzhidely	Volc	M2
0299	Fevralskoye	Met	M2
0300	Glubinnoye	Met	M2
0301	Grachevskoye	Met	M2
0303	Inkai 1, 2 & 3	Sst	M2
0304	Irkol	Sst	M2
0305	Ishimskoye	Met	M2
0306	Kamyshevoye	Met	M2
0307	Kanzhugan	Sst	M2
0308	Karakoyn	Sst	M2
0309	Karamurun North	Sst	M2
0310	Karamurun South	Sst	M2
0311	Karyntarynskoye	Pho	L2
0313	Kharasan 1-North	Sst	M2
0315	Koldzhat	LigCo	N2
0321	Kyzylsay District (8 deposits)	Volc	M2
0323	Kyzyltu	Sst	M2
0326	Manybaiskoye	Volc	M2
0327	Melovoye	Pho	L2
0328	Moynkum Central	Sst	M2
0329	Mynkuduk East	Sst	M2
0330	Nizhneylyiskoye	LigCo	M2
0333	Semizbai	Sst	M2
0335	Shokhpak	Met	M2
0336	Sholak-Espe	Sst	M2
0338	Slavyanskoye	Met	M2
0339	Suluchekinskoye	Sst	M2
0342	Tasmurunskoye	Pho	L2
0344	Taybagarskoye	Pho	L2
0345	Tomakskoye	Pho	L2
0347	Uvanas	Sst	M2
0348	Victorovskoye	Met	M2
0349	Vostok	Met	M2
0352	Zarechnoye	Sst	M2
0353	Zaozernoye	Met	M2
0354	Zhalpak	Sst	M2
0355	Zhautkan	Sst	M2
0356	Zvyozdnoe	Met	M2
0357	Maylisay	Carb	M2
0358	Mailuu-Suu	Carb	M2
0360	Turakavak	LigCo	M2
0367	La Sierrita	Sst	E3
0371	Santo Domingo	Pho	D3
0372	Kayelekera	Sst	K5
0373	Dornod District (12 deposits)	Volc	O2
0374	Gurvanbulak Central Zone	Volc	O2
0375	Kharaat	Sst	O2
0379	Gantour Basin	Pho	I3
0380	Oulad Abdoun Basin	Pho	I3
0381	Meskala Basin	Pho	I3
0382	Oued Eddahab Basin	Pho	I3
0387	Klein Trekkopje	Surf	J6
0388	Langer Heinrich	Surf	J6
0390	Rossing	Int	J6
0391	Tumas	Surf	J6
0392	Valencia	Int	J6
0394	Ebba Nord	Sst	J4
0395	Ebba Sud	Sst	J4
0396	Akola	Sst	J4
0397	Akouta Nord	Sst	J4
0398	Akouta Sud	Sst	J4
0399	Ariege	Sst	J4
0401	Arlette	Sst	J4
0403	Artois	Sst	J4
0404	Abakorum	Sst	J4
0405	Imouraren	Sst	J4
0407	Tamou	Sst	J4
0408	Taza Nord	Sst	J4
0420	Rajsk	Bsh	K2
0428	Nisa	Gran	I3
0432	Urgeirica	Gran	I2
0435	Shinkolobwe-Kasolo	Met	K5
0439	Baita Bihor	Sst	K2
0445	Crucea	Met	K2
0447	Dobrei South	Sst	K2
0456	Tulghes-Grinties	Met	K2
0460	Antei	Volc	O2
0461	Argunskoye	Volc	O2
0463	Badyelskoye	LigCo	L1
0466	Belskoje	LigCo	K2
0468	Beryozovoye	Gran	O2
0469	Beshtaugorskoye	Volc	L2
0472	Briketno-Zheltuhinskoye	LigCo	K2
0474	Buyanovskoye	Sst	O2
0477	Bytuguchag	Gran	Q1
0479	Chaplinskoye	LigCo	S1
0482	Crystalnoye	Gran	O2
0483	Dalneye	Volc	O2
0484	Dobrovolnoye	Sst	M2
0485	Dolmatovskoye	Sst	M2
0486	Druzhnoye	Mso	P2
0487	Dybryn	Sst	O2
0492	Gornoye	Gran	O2
0493	Imskoye	Sst	O2
0494	Interesnoye	Mso	P2
0497	Karhu	Unc	K1
0500	Kedrovoye	Sst	N1
0503	Khiagdinskoye	Sst	O2
0504	Khokhlovskoye	Sst	M2
0505	Kolichikan	Sst	O2
0507	Koretkondinskoye	Sst	O2
0508	Kosmozero	Mso	K1
0513	Lastochka	Volc	P2
0515	Luchistoye	Volc	O2
0516	Malinovskoye	Sst	N2
0517	Malo-Tulukuevskoye	Volc	O2
0518	Martovskoye	Volc	O2
0520	Meridionalnoye	Sst	O2
0522	Namaru	Sst	O2
0524	Novogodneye	Volc	O2
0526	Oktyabrskoye	Volc	O2
0527	Olovskoye	Volc	O2
0528	Osenneye	Met	K1
0530	Prigorodnoye	Sst	N2
0531	Primorskoye	Sst	N2
0533	Pyatilentneye	Volc	O2
0534	Rodionovskoye	Surf	O2
0537	Repyevskoye	Carb	L2
0538	Rjabinovoye	Volc	N2
0539	Sanarskoye	Surf	M2
0544	Shirondukuevskoye	Volc	O2
0550	Srednaya Padma	Mso	K1
0551	Stepnovskoye	Pho	L2
0553	Stepnoye	Sst	O2
0555	Streltsovskoye	Volc	O2
0559	Tetrakhskoye	Sst	O2
0562	Tsarevskoye	Mso	K1
0564	Tulukuevskoye	Volc	O2
0566	Ust-Uyukskoye	Sst	N2
0568	Vershinnoye	Sst	O2
0573	Vitlandskoye	Surf	O2
0576	Yubileinoye	Volc	O2
0578	Yugo-Zapadnoye	Volc	O2
0580	Zheglovskoye	Sst	O2
0581	Zherlovoye	Volc	O2
0583	Zjulzinskoye	Sst	O2
0585	**Blyvooruitzicht Tailings**	**PQPC**	**K6**
0586	**Buffelsfontein**	**PQPC**	**K6**
0587	**Chemwes-Stilfontein**	**PQPC**	**K6**
0588	**Driefontein Mine**	**PQPC**	**K6**
0589	**Free State Geduld**	**PQPC**	**K6**
0590	**Harmony**	**PQPC**	**K6**
0591	**Hartebeestfontein**	**PQPC**	**K6**
0592	**Loraine**	**PQPC**	**K6**
0593	Phalabora	Int	K6
0594	**President Brand Mine**	**PQPC**	**K6**
0595	**President Steyn**	**PQPC**	**K6**
0597	**Oryx Mine (Beatrix West Sec.)**	**PQPC**	**K6**
0599	**Western Rand Tailings**	**PQPC**	**K6**
0600	**Western Areas Mine**	**PQPC**	**K6**
0601	**Western Deep Levels Mine**	**PQPC**	**K6**
0602	**Western Holdings**	**PQPC**	**K6**
0603	Alio Ghelle	Mso	L4
0604	Dusa Mareb-El Bur District	Surf	L4
0606	Zirovski Vrh	Sst	J2
0616	Mina Fe	Gran	I2
0618	Retortillo	Gran	I2
0620	Ranstad	Bsh	J2
0625	Bailik	Bsh	L2
0626	Sernoye	Sst	L2
0632	Yozgat-Sorgun	Sst	K3
0633	Adamivske	LigCo	K2
0638	Kalynivske	Int	K2
0642	Michurinske	Mso	K2
0646	Pershotravneve	Mso	K2
0648	Safonivske	Sst	K2
0649	Severinivske	Mso	K2
0651	Vatutinske	Mso	K2
0652	Yuzhnoye	Int	K2
0653	Zhovtorichenske	Mso	K2
0655	Alta Mesa	Sst	E3
0656	Alta Verde	Sst	E3
0657	Ambrosia Lake District (Dysart)	Sst	D3
0658	Anderson Mine	Volc	D3
0660	Bear Creek Mines	Sst	D2
0662	Bernabe-Montano District	Sst	D3
0663	Big Buck / Velvet	Sst	D3
0664	Big Eagle Phase2/Green Mountain	Sst	D2
0666	Marsland Big Red	Sst	D3
0670	Borrego Pass	Sst	D3
0675	Butler-Weddington	Sst	E3
0680	Central Florida District	Pho	E3
0683	Christensen Ranch	Sst	D2
0684	Churchrock - Section 4	Sst	D3
0686	Clay West	Sst	E3
0688	Copper Mountain	Gran	D2
0689	Crooks Gap District	Sst	D2
0690	Crow Butte	Sst	D2
0691	Crownpoint	Sst	D3
0694	Dewey-Burdock	Sst	D2
0695	East Florida District	Pho	E3
0696	East Gas Hills	Sst	D2
0699	Fernandez Main Ranch	Sst	D3
0701	Jackpot Mine	Sst	D2
0704	Hansen	Sst	D3
0710	Highland	Sst	D2
0711	Holiday-El Mesquite	Sst	E3
0713	Irigaray	Sst	D2
0716	Jackpile - Paguate	Sst	D3
0722	Kingsville Dome	Sst	E3
0723	L-Bar Ranch	Sst	D3
0724	La Jara Mesa	Sst	D3
0728	Lee	Sst	D3
0729	Deremo Mine	Sst	D3
0732	Long Park	Sst	D3
0735	Lucky Mc Mine	Sst	D2
0737	Mancos-Sections 7-12	Sst	D3
0738	Mariano Lake	Sst	D3
0743	Mi Vida	Sst	D3
0744	Midnite	Gran	D2
0745	Monogram Mesa	Sst	D3
0751	Mount. Taylor Mine	Sst	D3
0752	Narrow Canyon	Sst	D3
0756	North Butte / Brown Ranch	Sst	D2
0757	North Florida District	Pho	E3
0758	Northeast Florida District	Pho	E3
0763	Pandora	Sst	D3
0764	Panna Maria	Sst	E3
0767	Petrotomics / Dave	Sst	D2
0771	Pitch Mine	Met	D3
0775	West Reno Creek	Sst	D2
0776	Rhode Ranch District	Sst	E3
0777	Rio Puerco	Sst	D3
0781	Ruby	Sst	D3
0785	Saint Anthony/M-6	Sst	D3
0789	Schwartzwalder Mine	Met	D3
0792	Sherwood Mine	Sst	D2
0794	Shirley Basin Mine	Sst	D2
0796	Slick Rock District	Sst	D3
0797	Smith Ranch	Sst	D2
0798	South Florida District	Pho	E3
0799	South Morton Ranch	Sst	D2
0802	Sweetwater Mine	Sst	D2
0803	Taylor Ranch	Sst	D3
0805	Tony M	Sst	D3
0809	Atkinson Mesa District	Sst	D3
0810	Vanadium	Sst	D3
0812	West Gas Hills	Sst	D2
0813	West Largo	Sst	D3
0814	Whiskey Peak / Green Mountain	Sst	D2
0815	Agron	Sst	M3
0816	Aktau	Sst	M2
0817	Alatanga	Volc	M2
0818	Alendy	Sst	M2
0820	Aulbek	Sst	M2
0823	Beshkak	Sst	M2
0824	Bukinay North	Sst	M2
0826	Chauli	Volc	M2
0827	Dzhantuar	Bsh	M2
0828	Kenimekh	Sst	M2
0830	Kendyktjube	Sst	M2
0831	Ketmenchi	Sst	M3
0833	Lyavlyakan	Sst	M2
0835	Meylysai	Sst	M2
0836	Nagornoye	Sst	M3
0837	Rudnoye	Bsh	M2
0838	Sabyrsay	Sst	M3
0839	Severny Kanimekh	Sst	M2
0841	Shark	Sst	M3
0842	Sugraly	Sst	M2
0845	Tutlyinskaya	Sst	M3
0846	Uchkuduk	Sst	M2
0847	Ulus	Sst	M3
0849	Yuzhny Bukinai	Sst	M2
0851	Khe Hoa-Khe Cao	Sst	O4
0890	Tabelle	Sst	J4
0891	Taza Sud	Sst	J4
0892	Takriza	Sst	J4
0893	Tamgak	Sst	J4
0895	Marianne - Maryline	Sst	J4
0929	Church Rock - Section 8 and 17	Sst	D3
0930	Peach	Sst	D2
0932	Reynolds Ranch	Sst	D2
0942	Tortkuduk	Sst	M2
0947	Oobagooma-Yampi	Sst	P5
0948	91 Ranger 1 N°1	Unc	P5
0951	Jabiluka 2	Unc	P5
0952	Ranger 1 N°3	Unc	P5
0953	Oberschlema	Gran	J2
0955	Val Vedello	Volc	J2
0977	Prominent Hill	PBx	P6
0979	Nolans Bore	Int	P6
0981	Ace-Fay-Verna	Met	D2
0982	Andrew Lake	Unc	E1
0985	End Grid	Unc	E1
0988	Horseshoe	Unc	D2
0990	Millennium	Unc	D2
0992	P Patch Zone	Unc	D2
0994	Shea Creek-Anne	Unc	D2
0995	Shea Creek-Colette	Unc	D2
0996	Shea Creek-Kianna	Unc	D2
0998	Cluff Lake Dominique-Peter	Unc	D2
0999	Cluff Lake Dominique-Jeanine	Unc	D2
1000	Collins Bay B	Unc	D2
1003	Kiggavik Centre	Unc	E1
1006	Sue C	Unc	D2
1008	Sue E	Unc	D2
1010	Eldorado (Port Radium)	Met	D1
1012	Bagjata	Met	N3
1013	Banduhurang - Turamdih South	Met	N3
1030	Gogi	Gran	M4
1031	Chitrial	Unc	M4
1042	BJ Lake	Unc	D2
1051	Centennial	Unc	D2
1053	Charlebois Lake	Int	D2
1059	Dieter Lake	Bsh	F2
1075	Jacques Lake	Mso	G2
1077	Drope Lake - La Ronge	Int	D2
1078	Lac Cinquante	Met	E1
1082	Midwest A	Unc	D2
1083	Matoush	Sst	F2
1086	Roughrider	Unc	D2
1091	Mountain Lake	Sst	D1
1099	P2 Main	Unc	D2
1100	Paul Bay	Unc	D2
1110	Tamarack	Unc	D2
1120	Shihongtan	Sst	N2
1121	Zhaohuohao (396)	Sst	O3
1138	Allied Zones	Int	F2
1139	**Apple**	**PQPC**	**F2**
1143	**Can-Met**	**PQPC**	**E2**
1145	**Eco Ridge Mine**	**PQPC**	**E2**
1150	L	Sst	F2
1156	**Stanrock**	**PQPC**	**E2**
1162	Veznice	Met	J2
1165	Luena Basin	LigCo	K5
1166	Musonoi Extension	Met	K5
1168	Siwaqa	Surf	K3
1169	Akdala	Sst	M2
1176	Falea	Sst	I4
1178	Khairkhan	Sst	O2
1179	Ulaan Nuur	Sst	O2
1180	Aussinanis	Surf	J6
1181	Anomaly A (Etango)	Int	J6
1184	Marenica	Surf	J6
1185	Trekkopje	Surf	J6
1187	Arcadie	Sst	J4
1191	Nord Somair	Sst	J4
1192	Taossa	Sst	J4
1193	Teguidda (Ir, G, T)	Sst	J4
1195	Yuti	Sst	G6
1196	Corachapi	Volc	F5
1198	Kemchug	Volc	N2
1200	Ghurayyah	Int	K3
1203	Kuriskova	Volc	K2
1204	Novoveska Huta	Volc	K2
1209	**Denny Dalton**	**PQPC**	**K6**
1210	**Dominion Reefs**	**PQPC**	**K6**
1211	**Ezulwini**	**PQPC**	**K6**
1212	**Rietkuil**	**PQPC**	**K6**
1213	Ryst Kuil	Sst	K6
1214	Springbok Flats	LigCo	K6
1215	Gambuta	Gran	I3
1218	Duobblon	Volc	J1
1225	Tasjo District	Pho	J1
1231	Dibwe	Sst	K5
1235	Mutanga Main	Sst	K5
1237	Njame	Sst	K5
1238	Severnoye	Mso	P2
1239	Tsentralne	Mso	K2
1240	Novokostyantynivske	Mso	K2
1241	Pidhajtsivske	Mso	K2
1247	**Abeta**	**PQPC**	**E2**
1248	**Banana Lake**	**PQPC**	**E2**
1253	Gaertner	Unc	D2
1254	**Millaqua**	**PQPC**	**E2**
1255	**Silvermaque**	**PQPC**	**E2**
1258	Serule Nw	Sst	K6
1267	Firawa	Met	I4
1268	Kanyika	Int	K5
1269	Garnet Valley	Int	J6
1270	Namib Park	Surf	J6
1272	Oryx (Tumas 3)	Surf	J6
1277	**Beisa North**	**PQPC**	**K6**
1279	**Cooke/Old Randfontein Tailings**	**PQPC**	**K6**
1280	**East Rand Consolidated Tailing**	**PQPC**	**K6**
1284	**Potchefstroom Goldfield**	**PQPC**	**K6**
1285	**Southern Free State (4 deposits)**	**PQPC**	**K6**
1286	**Vaal River Tailings**	**PQPC**	**K6**
1290	Nyota	Sst	K5
1298	North Shore Double S Zone	Int	F2
1299	North Shore Middle Zone	Int	F2
1300	North Shore Tj Zone	Int	F2
1303	Chuquicamata	Int	F6
1307	Oshively	Int	J6
1311	MMS Vicken	Bsh	J1
1313	Sw Reno Creek	Sst	D2
1316	Four Mile East	Sst	P6
1317	Dawson-Hinkler	Surf	P6
1319	Windimurra	Surf	O6
1327	Blackbush	Sst	P6
1329	E1 North & South	PBx	Q6
1330	Four Mile West	Sst	P6
1331	Hillview	Surf	O6
1339	Araxa	Int	G5
1342	Olinda	Pho	H5
1343	Pitinga	Int	F5
1347	Amer Lake- Main Zone	Sst	E1
1351	Moran Lake C Zone	Met	F2
1358	Phoenix	Unc	D2
1359	Pama	Pho	K4
1360	Pato	Pho	K4
1361	Patricia	Pho	K4
1367	Sierra Gorda	Int	F6
1368	Chengxian Mine	Bsh	O3
1370	Lantian Mine	Gran	O3
1374	Saima	Int	P2
1377	Berlin	Sst	F4
1378	Brzkov	Met	J2
1383	Pecs	Sst	J2
1390	Tyuya-Muyum	Carb	M2
1395	San Juan De La Costa	Pho	D3
1397	Turgen District	Volc	O2
1398	Ugtam	Volc	O2
1400	Inca	Mso	J6
1401	Imca 25	Sst	J4
1402	Irhawenzegirhan	Sst	J4
1406	Isakanan	Sst	J4
1408	Taunsa	Sst	M3
1409	Colibri 2 & 3	Volc	F5
1413	Abu Tartur	Pho	K3
1414	Akashat	Pho	K3
1415	Elkon	Mso	P2
1416	Elkonskoe Plateau	Mso	P2
1417	Kurung	Mso	P2
1419	**Kopanang Mine**	**PQPC**	**K6**
1421	Sageras-Zona M	Gran	I2
1424	Palmira District	Pho	K3
1429	Antelope	Sst	D2
1431	Aurora	Volc	D2
1432	Bingham Canyon	Int	D2
1433	Black Jack 1 & 2	Sst	D3
1443	Coles Hill North	Mso	F3
1444	Coles Hills South	Mso	F3
1461	Hank Unit	Sst	D2
1462	Hosta Butte	Sst	D3
1465	Juan Tafoya	Sst	D3
1467	Kings Valley	Volc	D2
1468	Los Quatros	Volc	D3
1469	Lost Creek	Sst	D2
1470	Lost Soldier	Sst	D2
1471	Marquez	Sst	D3
1479	Section 22 (New Mexico)	Sst	D3
1480	Section 23 (New Mexico)	Sst	D3
1481	Section 24 (New Mexico)	Sst	D3
1485	Section 30 (New Mexico)	Sst	D3
1489	Sheep Mountain	Sst	D2
1494	Velvet-Wood Mines	Sst	D3
1495	Virgin Valley	Volc	D2
1503	Tabhing Area	Sst	O4
1505	Malundwe	Met	K5
1508	Double 8	Sst	P6
1515	Lujing District (5 deposits)	Gran	O3
1517	Qianjiadian (2 deposits)	Sst	P2
1520	Serres Basin	LigCo	K2
1521	Inkai South-4	Sst	M2
1525	Onkelo	Int	J6
1526	Bayovar	Pho	E5
1527	Neprokhodimoye	Mso	P2
1532	Goliad	Sst	E3
1534	Hack Canyon 2	CBx	D3
1542	Budennovskoye 2	Sst	M2
1543	Ambassador	LigCo	P6
1544	Emperor	LigCo	P6
1546	Gorgon Main	Sst	K6
1547	Kraken	Sst	K6
1548	Husab - Zone 1	Int	J6
1549	Husab - Zone 2	Int	J6
1550	Shanawah	Sst	M3
1554	Negev Desert District	Pho	K3
1562	**Beatrix**	**PQPC**	**K6**
1563	**Kloof Tailings**	**PQPC**	**K6**
1564	**South Deep Mine (Underground)**	**PQPC**	**K6**
1565	**Cooke 1, 2 & 3/Old Randfontein**	**PQPC**	**K6**
1568	Barber	Sst	D2
1569	Boyer	Sst	D3
1571	Coyote Basin	LigCo	D2
1575	Noah	Sst	D3
1576	North West Taylor	Sst	D3
1579	Ross	Sst	D2
1582	Roca Honda Mine	Sst	D3
1583	Attarat-Wadi Maghar	Pho	K3
1585	Gachin	Surf	L3
1590	Toongi	Int	Q6
1591	Beerwalde-Korbussen	Bsh	J2
1592	Bernsbach	Gran	J2
1596	Crimmitschauer Fault Zone	Bsh	J2
1597	Drosen	Bsh	J2
1601	Gera Sud	Sst	J2
1604	Kyhna - Schenkenberg	Volc	J2
1605	Lichtenberg	Bsh	J2
1607	Paitzdorf	Bsh	J2
1609	Prehna	Bsh	J2
1611	Schmirchau - Reust	Bsh	J2
1619	Zeitz - Baldenhain	Bsh	J2
1620	Kaynar	Sst	M2
1622	Kharasan 2-South	Sst	M2
1623	Moynkum South	Sst	M2
1624	Mynkuduk Central	Sst	M2
1625	Mynkuduk West	Sst	M2
1626	Chubu	Bsh	P3
1628	Gumsan	Bsh	P3
1632	Yokwang	Bsh	P3
1636	Takardeit	Sst	J4
1637	Tin Negouran	Sst	J4
1641	Zona Pologaya	Mso	P2
1652	Cappers	Surf	P6
1653	Archontovounis	Gran	K2
1656	Alameda	Gran	I2
1659	Haggan	Bsh	J1
1662	Husab - Zone 3	Int	J6
1664	Husab - Zone 4	Int	J6
1665	**Great Nolingwa Mine**	**PQPC**	**K6**
1666	**Moab Khotsong**	**PQPC**	**K6**
1667	**Mponeng**	**PQPC**	**K6**
1671	Majuelos	Gran	I2
1675	Tubas Red Sand	Surf	J6
1694	Carley Bore	Sst	O6
1695	Odin	Mso	P6
1696	Gorgon West	Sst	K6
1697	Gorgon South	Sst	K6
1699	Catalao	Int	G5
1700	Drucourt Zone	Int	F2
1702	J Zone	Unc	D2
1703	Kolmisoppi	Bsh	K1
1704	Kuusilampi	Bsh	K1
1708	Khan Azzabib	Surf	K3
1709	Sadyrnynskoye	Pho	L2
1710	Hyena	Int	J6
1711	Ondjamba	Int	J6
1712	Miriam	Sst	J4
1713	Isivilla	Volc	F5
1715	Tantamaco	Volc	F5
1717	Jabal Sayid	Int	L3
1725	Phosphoria Formation	Pho	D2
1742	MML-E	Sst	J2
1743	Tuyuk-Suu	LigCo	M2
1755	Carrapateena	PBx	P6
1757	Pepegoona	Sst	P6
1759	San Hilario	Pho	D3
1761	Tembabiche	Pho	D3
1762	UF1	Pho	D3
1763	Glibat Lafhouda	Int	I3
1764	Twihinate	Int	I3
1765	**De Bron**	**PQPC**	**K6**
1767	Riet Kuil	Sst	K6
1768	Guanaco	Surf	F7
1770	Plumbush	Sst	P6
1772	Serule W	Sst	K6
1774	Radomiro Tomic	Int	F6
1775	A 238	Mso	I3
1776	Ain Sder C1-CJ-CR	Surf	I3
1777	Oued El Foule East	Surf	I3
1778	Oum Ferkik L-K	Surf	I3
1780	Ongolo	Int	J6
1781	Husab - Zone 5	Int	J6
1782	Al Jalamid	Pho	L3
1783	East Ebro Valley (5 deposits)	LigCo	I2
1784	Temrezli	Sst	K3
1791	Bikini	Mso	P6
1793	Millipede	Surf	P6
1796	Rio Cristallino	Sst	G5
1797	**Pecors East**	**PQPC**	**E2**
1798	MA 7	Int	J6
1799	Namibplass	Int	J6
1803	Dulaan Uul	Sst	O2
1805	Lubin-Sieroszowice	Bsh	J2
1810	Congo Pit	Sst	D2
1819	Todilto District	Carb	D3
1821	Igarape Bahia	PBx	G5
1822	Salobo	PBx	G5
1823	Sossego	PBx	G5
1824	J4/Ray	Met	E1
1826	Zoovch Ovoo	Sst	O2
1829	Ranger Deeps	Unc	P5
1830	Illimaussaq Zone 3	Int	G1
1831	Gabbal Guttar	Gran	K3
1836	Manyoni District-Zone C 1	Surf	K5
1844	Theseus	Sst	P6
1846	Frazer Lake-Zone B	Int	D2
1849	Guyuan	Volc	O3
1850	Hechaokeng	Gran	O2
1851	Kujiertai	Sst	N2
1854	Pannikan	Sst	P6
1855	Pepegoona West	Sst	P6
1856	Buckton Zone	Bsh	D2
1858	Taoshan	Gran	O3
1859	La Banane	Sst	J4
1864	Msne	Sst	J4
1866	Oak Dam	Sst	P6
1868	Maoyangtuo (570)	Met	O3
1869	Wukuerqi	Sst	N2
1872	Plouznice	Sst	J2
1874	Sorensen	Int	G1
1878	Dwaima	Pho	K3
1879	Ethna	Pho	K3
1880	Hirri	Pho	L3
1881	H 3	Pho	K3
1882	Marbat	Pho	L3
1883	Swab	Pho	K3
1885	Ulzitt	Sst	O2
1886	Dajy	Sst	J4
1887	Dasa 1, 2 & 3	Sst	J4
1891	Marby	Bsh	J1
1894	Minjingu	Pho	K5
1911	Kendrick	Sst	D2
1913	Lisbon Mine	Sst	D3
1922	North Reno Creek	Sst	D2
1923	Nose Rock	Sst	D3
1936	Twin Butte	Int	D3
1938	White Canyon District	Sst	D3
1939	Yerington	Int	D3
1941	Buckton South	Bsh	D2
1942	**Canuc Zone**	**PQPC**	**E2**
1943	Milo	PBx	Q6
1945	**Gemico Block 3**	**PQPC**	**E2**
1946	**Gemico Block 10**	**PQPC**	**E2**
1947	Triple R	Unc	D2
1948	**Teasdale Lake Zone**	**PQPC**	**E2**
1949	Bayinwula	Sst	O2
1951	Shashagetai	Sst	O3
1952	Sunjialiang	Sst	O3
1955	Z 20	Int	J6
1956	Armelle	Sst	J4
1957	Tamani	Sst	J4
1958	Tamgak Deep	Sst	J4
1959	Taverse	Sst	J4
1960	**Bloemhoek**	**PQPC**	**K6**
1961	**Cooke 4 (Gauteng)**	**PQPC**	**K6**
1967	Chattanooga Shale Formation	Bsh	E3
1969	Dibwe East	Sst	K5
1971	Northern Great Plains	LigCo	D2
1972	Happy Valley 2-15	Int	J6
1973	Happy Valley 18	Int	J6
1978	**West Rand Tailings (Wrtrp)**	**PQPC**	**K6**
1979	**West Witts Tailings (13 Tailings)**	**PQPC**	**K6**
1980	Narke	Bsh	J2
1988	Palua	Sst	O4
1989	Parong	Sst	O4
1990	Tebessa District	Pho	J3
1991	Fosse-Pamela	Pho	K4
1992	El Sebaeya East	Pho	K3
1993	Red Sea District	Pho	K3
1994	Chatham Rise	Pho	R7
1995	Gafsa-Metlaoui District	Pho	J3
1996	Binh Duong	Pho	O3
1998	Nong Son	LigCo	O4
2000	Monument Valley District	Sst	D3
2002	Fab Trend	Sst	D2
2007	Billeroo	Sst	P6
2008	Brooks Dam	Sst	Q6
2009	Four Mile North-East	Sst	P6
2029	Arrow	Unc	D2
2032	Gryphon	Unc	D2
2034	Mann Lake	Unc	D2
2040	Léré	Mso	J4
2041	Motzfeldt	Int	G1
2047	La Terraza	Volc	F6
2053	Terraza North	Volc	F6
2054	Tigre I	Volc	F6
2845	**Stilfontein**	**PQPC**	**K6**
4176	Treviels	Sst	J2
4192	Baltoscandia District	Bsh	K2
4196	Kok Moinok	Gran	M2
4198	Aghracha	Surf	I3
4199	Drag-Al Farnane	Int	I3
4202	Tarfaya Basin	Bsh	I3
4203	Timahdit Basin	Bsh	I3
4204	Welwitschia Flats	Surf	J6
4210	Chilcuno Chico	Volc	F5
4212	Quebradra Blanca	Volc	F5
4221	Al Khabra	Pho	K3
4222	Umm Wu'Al	Pho	K3
4223	**Blyvooruitzicht Mine**	**PQPC**	**K6**
4224	**Daggafontein Mine**	**PQPC**	**K6**
4226	**Doornfontein**	**PQPC**	**K6**
4228	**Driefontein Tailings**	**PQPC**	**K6**
4236	**Ergo**	**PQPC**	**K6**
4238	**Freddies**	**PQPC**	**K6**
4241	**Luipaardsvlei**	**PQPC**	**K6**
4243	**Vaal Reefs Mine**	**PQPC**	**K6**
4244	**Virginia**	**PQPC**	**K6**
4250	**West Rand Consolidated Mine**	**PQPC**	**K6**
4258	Cliffside Mine	CBx	D3
4261	Round Top	Int	D3
4265	Pilanesberg - Ledig Zone	Int	K6
4266	Krasnoselskoye	Bsh	K2
4267	Kotlovskoye	Bsh	K2
4268	**Durban (Roodeport) Deep**	**PQPC**	**K6**
4269	Kosachinoye	Met	M2
4270	El Sebaeya West	Pho	K3
4271	Mecsec Mine	Sst	J2
4272	**Saaiplaas**	**PQPC**	**K6**
4273	**Deelkrall**	**PQPC**	**K6**
4274	Mabounie	Int	J5
4275	**Jeanette**	**PQPC**	**K6**
4276	Fox Lake	Unc	D2
4277	Bytiz 4, 22-40	Gran	J2
4278	Engenho	Mso	G5
4279	**Smaldeel**	**PQPC**	**K6**
4280	**Afrikander**	**PQPC**	**K6**
4281	Zheltorechenske	Mso	K2
4282	Da Rabicha	Mso	G5
4283	Hamr South (Hamr II)	Sst	J2
4284	Bukinay South	Sst	M2
4285	Cristalino	PBx	G5
4286	Khamsin	PBx	P6
4287	Cachoeira	Mso	G5
4288	**Kalbasfontein**	**PQPC**	**K6**
4289	Litne	Mso	K2
4290	Balkovskoye	Pho	L2
4291	Mengqiguer 2	Sst	N2
4292	**Zuurbekom**	**PQPC**	**K6**
4293	Ebene	Sst	J4
4294	Modesto	Mso	G5
4295	**Elandsrand**	**PQPC**	**K6**
4296	Aquelt Assfaya	Surf	I3
4297	Ernest Henry	PBx	Q6
4298	**Hakkies**	**PQPC**	**J6**
4299	**Phoenix**	**PQPC**	**K6**
4300	Puissagtaq	Gran	G1
4301	Sutherland 2	Sst	K6
4302	Juzkuduk	Sst	M3
4303	Lesetice	Gran	J2
4304	**Rhenosterroek**	**PQPC**	**K6**
4305	**Ergo Tailings**	**PQPC**	**K6**
4306	Middle Dome	Int	J6
4307	Zvezdnoye	Met	M2
4308	Banadungri-Sinidungri	Met	N3
4309	**Area 1 East**	**PQPC**	**K6**
4310	**Doornrivier**	**PQPC**	**K6**
4311	Bofal-Loubboira	Pho	I4
4312	Alemao	PBx	G5
4313	Zhuravlinoye	Volc	O2
4314	Holicky	Sst	J2
4315	Hnativske	Mso	K2
4316	Yuriivske	Mso	K2
4317	Partyzanske	Mso	K2
4318	Pivdennokonoplyanske	Mso	K2
4319	Pivnichnokonoplyanske	Mso	K2
4320	Dokuchaevske	Mso	K2
4321	Kvitneve	Mso	K2
4322	Schorsivske	Mso	K2
4323	Lelekivske	Mso	K2
4324	Hannivka	Mso	K2
4325	Lisne	Mso	K2
4326	Kremenchugske	Mso	K2
4327	Jeruzalem	Gran	J2
4328	**Melkraals**	**PQPC**	**J6**
4329	**Grootvlei Tailings**	**PQPC**	**K6**
4330	Baimadong	Carb	O3
4331	Kareeport	Sst	K6
4332	**Fochville**	**PQPC**	**K6**
4333	Krizani	Sst	J2
4334	Boztauskaya	Bsh	M2
4335	Tushinskoye	Met	M2
4336	Mestena Grande	Sst	E3
4337	Haanekuil	Sst	K6
4338	**Vermeulenskraal North**	**PQPC**	**K6**
4339	**Moab Extension**	**PQPC**	**K6**
4340	Sarydjaz	Bsh	M2
4341	**Robijn**	**PQPC**	**K6**
4342	Salem	Int	J6
4343	Elandsfontein	Sst	K6
4344	**Tshepong**	**PQPC**	**K6**
4345	**Phakisa**	**PQPC**	**K6**
4346	Brod	Gran	J2
4347	**Weltevreden**	**PQPC**	**K6**
4348	Pocos De Caldas-Agostino	Int	G6
4349	Graben	Sst	F7
4350	Kyzyl	Volc	M2
4351	Das Quebradas	Mso	G5
4352	Laranjeiras	Mso	G5
4353	Prudovoye	Pho	L2
4354	Buratinskoye South	Pho	L2
4355	Bagaburulskoye NE	Pho	L2
4356	Kharabulukskoye North	Pho	L2
4357	Bagaburulskoye	Pho	L2
4358	Nugrinskoye	Pho	L2
4359	Bogorodskoye	Pho	L2
4360	Shargadykskoye	Pho	L2
4361	Yashkulskoye	Pho	L2
4362	Centralnoye	Pho	L2
4363	Troitskoye	Pho	L2
4364	Abou Skhair	Carb	L3
4365	Wangjiachong	Sst	O3
4366	Sirotininsk	Sst	O2
4367	Smolenskoye	Sst	N2
4368	Chasovoye	Gran	O2
4369	Korolevskoye	Gran	O2
4370	Bystroye	Sst	N2
4371	Bashibulak	Sst	M3
4372	Nekrakovskoye	Pho	L2
4373	Vranov	Sst	J2
4374	Srni Potok	Sst	J2
4375	Pavlin	Sst	J2
4376	Xinwu Basin (5 deposits)	Sst	O3
4377	Arnold	Sst	J4
4378	Aride	Sst	J4
4379	Yarkuduk	Sst	M3
4380	Istiklol	Sst	M2
4381	Wuhisan	Sst	N2
4382	Wuhier	Sst	N2
4383	North Tamdinskaya	Bsh	M2
4384	Wuyiyi	Sst	N2
4385	Baxingtu	Sst	P2
4386	Kenze	Sst	M2
4387	Likhmanovske	Mso	K2
4388	YGOK	Mso	K2
4389	Stetchovskaya	Mso	K2
4390	Krasnogvardeiske	Mso	K2
4391	Annovske	Mso	K2
4392	Kirovskii	Mso	K2
4393	Stankovatskaya	Mso	K2
4394	Kurnikoskoye-W	Mso	K2
4395	Stepne	Mso	K2
4396	Novopavdovske	Mso	K2
4397	Manuiylivske	Mso	K2
4398	Steblevskaya	Mso	K2
4399	Podgaitsevskoye	Mso	K2
4400	Andriiivske	Mso	K2
4401	Kohanivske	Mso	K2
4402	**Rand Proprietary M Tailings**	**PQPC**	**K6**
4403	Honghaigou	Sst	N2
4404	Tamdikuduk-Tulyantashkaya	Sst	M3
4405	**Masimong**	**PQPC**	**K6**
4406	**South Deep Mine (Tailings)**	**PQPC**	**K6**
4407	**Vredefort**	**PQPC**	**K6**
4408	Gurvanbulak Intermediate Zone	Volc	O2
4409	Plateau West	Sst	F7
4410	Fraserburg 2	Sst	K6
4411	Fraserburg	Sst	K6
4412	Mazarete Extension W (Zona II)	Sst	I2
4413	Pirna	Sst	J2
4414	Tierhoek	Sst	K6
4415	**Vermeulenskraal**	**PQPC**	**K6**
4416	**St Helena Tailings**	**PQPC**	**K6**

WORLD DISTRIBUTION OF SURFICIAL URANIUM DEPOSITS

SECOND EDITION: 2018

Scale 1: 1:35 000 000

Kilometres 500 0 500 1,000 1,500 2,000 Kilometres

Mercator Projection: Central Meridian 10°

Map production by M.C. Fairclough (IAEA), J.A. Irvine (Australia), L.F. Katona (Australia) and W.L. Slimmon (Canada).
World Distribution of Uranium Deposits, International Atomic Energy Agency, Vienna, Austria. Cartographic assistance was supplied by the Geological Survey of South Australia, the Saskatchewan Geological Survey and United States Geological Survey to the IAEA.

Deposit data derived from IAEA UDEPO (http://infcis.iaea.org/UDEPO/About.cshtml) database with assistance from P. Bruneton (France), M. Mihalasky (U.S.A.), M. Cuney (France), M. Aranha (IAEA), O. Pylypenko (IAEA) and K. Polakovska (IAEA). The map is an updated companion to "World Distribution of Uranium Deposits (UDEPO) with Uranium Deposit Classification, IAEA-Tech-Doc-1629" and "World Distribution of Uranium Deposits (UDEPO) 2016 Edition, IAEA Tec-Doc in-preparation". Map data is current to beginning 2017.

Geology was derived from L.B. Chorlton, Generalized Geology of the World, Geological Survey of Canada, Open File 5529, 2007 under Open Government Licence - Canada (http://data.gc.ca/eng/open-government-licence-canada)

Coastlines and drainage were obtained from Natural Earth public domain vector map data (http://www.naturalearthdata.com/about/terms-of-use). Country boundaries were derived from the Digital Chart of the World (http://www.maproom.psu.edu/dcw). The designations employed and the presentation of material on this map do not imply the expression of any opinion whatsoever on the part of the publisher, the IAEA, as to the legal status of such countries or territories, of their authorities and institutions or of the delimitation of their boundaries.

Dotted line represents approximately the Line of Control in Jammu and Kashmir agreed upon by India and Pakistan. The final status of Jammu and Kashmir has not yet been agreed upon by the parties. Final boundary between the Republic of Sudan and the Republic of South Sudan has not yet been determined.

Deposit Type	Deposit Subtype	Deposit Size (tU original or produced+remaining resource)				
		< 1 000	1 001 - 5 000	5 001 - 25 000	25 001 - 100 000	> 100 000
1. Intrusive (Int)	Anatectic					
	Plutonic*					
2. Granite-related (Gran)	Endogranitic					
	Perigranitic					
3. Polymetallic Fe oxide breccia complex* (PBx)	Stratabound					
4. Volcanic-related (Volc)	Structure-bound					
	Volcano-sedimentary					
5. Metasomatite (Meso)	Na-metasomatite					
	K-metasomatite					
6. Metamorphite (Met)	Skarn					
	Stratabound					
	Structure-bound					
	Marble-hosted					
7. Proterozoic unconformity (Unc)	Unconformity-contact					
	Basement-hosted					
	Stratiform fracture-controlled					
8. Collapse breccia pipe (CBx)						
9. Sandstone (Sst)	Basal channel					
	Tabular					
	Roll-front					
	Tectonic-lithologic					
	Mafic-pyknerallo					
	U-dominant					
	Au-dominant*					
10. Psiloo quartz-pebble conglomerate (PQPC)	Peak-bog					
	Fluvial valley					
	Lacustrine-playa					
	Pedogenic and fracture fill					
11. Surficial (Surf)	Stratiform					
	Fracture controlled					
	Stratabound					
12. Lignite-coal* (LigCo)	Cataclastic					
13. Carbonate (Carb)	Paleokarst					
	Organic phosphorite					
14. Phosphate* (Pho)	Microchemical phosphorite					
	Continental phosphate					
15. Black shale (BSh)	Stratiform					
	Stockwork					

- Undifferentiated and unverified Uranium occurrence with no known resource estimation
- * Undifferentiated Thorium deposit and occurrence from IAEA ThDEPO database

The Dep IDs are unique deposit identification numbers corresponding to the IAEA UDEPO database records. A deposit is defined as there is known to be a resource estimation undertaken. If the exact estimation is unknown, an estimated range is generated by IAEA. This is particularly so with unconventional resources' from which uranium is present at very low grades, and/or where uranium is a co-product requiring special processing techniques. Resources shown are not current remaining resources, but are the maximum of original geological resource, production figures or remaining resources at the lowest available cut-off grade. They include historic resources, and so may not be compliant with contemporary reporting standards such as JORC or NI 43-101. Where data is available, resource estimations for individual discrete ore zones are shown. Where this is not possible, some aggregation of resources are necessary. No economic or financial inferences with respect to recoverability of uranium are intended. The list of deposits is not exhaustive or current. There are 2831 deposits shown on the face of the map, but only those 102 greater than 100 000tU, or currently producing uranium, are named. Deposits are shown on the map by Dep ID number, numbered, and along with larger or producing deposits, are listed below the map face. All other deposits (1866 2500tU or less are only shown as symbols and with no annotation but can be queried as described in https://wiips.adobe.com/arcindustry/geospatial-pdfs.html.

Map Legend

- Populated place
- Railroad
- Road
- Country boundary*
- Fault trace

Lithology

- Metamorphic rocks
- Intrusive rocks
- Sedimentary and volcanic rocks
- Sedimentary rocks
- Tectonized rocks
- Volcanic and intrusive rocks
- Volcanic rocks

Era

- Holocene and Recent ice cap
- Cenozoic
- Mesozoic
- Paleozoic
- Neoproterozoic
- Mesoproterozoic
- Paleoproterozoic
- Proterozoic (undifferentiated)
- Archean and Proterozoic

Central Europe province

South Balkan province

Namibian province

Central Asian province

Dep ID	Dep Name	Grid
0001	Akankor	Met J3
0004	Tingoyche	Gran J3
0005	Tiyef	Met J3
0006	Cerro Solo	Met F7
0011	Rodolfo	Sst F6
0014	Angela	Sst F6
0017	Ben Lomond	Volc Q6
0018	Bennetts Well	Sst D6
0019	Beverley	Sst P6
0020	Blighr	Sst P6
0022	**Centipede**	**Surf P6**
0026	Goulds Dam	Sst P6
0032	Honeymoon	Sst Q6
0033	Huarabagoo	Sst P6
0034	Jabiluka	Unc P5
0035	Jackson/Nina	Unc P5
0036	Kintyre	Unc P5
0037	Koongarra 1	Unc P5
0038	**Lake Maitland**	**Surf P6**
0041	**Lake Way**	**Surf P6**
0043	Marykrogne	PQPC E2
0044	Mary Kathleen	Meo Q6
0053	Mount Gee	Meo P6
0050	Nabarlek	Unc P5
0051	**Nabarlek(y**	**Surf P6**
0052	**Noethanna**	**Surf O6**
0066	Olympic Dam	Meo P6
0059	Ranger 68	Unc P5
0061	Redmine	Unc P5
0062	**Shut**	**Meo P6**
0063	**Spencer Sook West**	**Volc Q6**
0066	Valhalla	Meo P6
0070	Warrior	Sst P6
0073	**Yeelirrie**	**Surf O6**
0075	Amorinopolis	Gr S5
0077	Espinharas	Meo P5
0078	Figueira	Sst G6
0079	Gandaeia	PQPC G6
0080	Itatiaia-Santa Quiteria District	Met J5
0081	Lagoa Da Caldas - Cercado	Sst G6
0083	Serra Das Galvotas	PQPC G6
0085	Waterloo District	Sst G6
0104	Sirtiti	Sst K2
0109	Agnew Lake	PQPC E2

Dep ID	Dep Name	Grid
0374	Gurvanbulak Central Zone	Volc O2
0382	Kharaat	Gran O2
0379	Gantsur Basin	Pho I3
0378	Dund Alshoon Basin	Pho I3
0381	Mesikala Basin	Pho I3
0383	Dzaat Eslahan Basin	Pho I3
0387	**Khein Tsekuuga**	**Surf J6**
0500	Kekrovoye	**Surf J6**
0390	Rossing	Int J6
0391	**Trekkopje**	**Surf J6**
0392	Valencia	Int J6
0394	Etiba Nord	Int J6
0395	Etiba Sud	Int J6
0396	Arkada	Int J6
0397	Akouta Nord	Int J6
0398	Akouta Sud	Int J6
0400	Arlit	Int J6
0401	Artois	Int J6
0402	Azelik	Int J6
0404	Abakorum	Int J6
0405	Imouraren	Int J6
0407	Tamou	Sst J4
0408	Tiza Nord	Sst J4
0410	Rabi	Bsh K2
0411	Ranstad	Bsh J7
0412	Urgecica	Gran I2
0413	Pyatilemetye	Volc O2
0414	**Rodionovskoye**	**Surf O2**
0415	Reyvozhskoye	Volc O2
0416	Kyakrovoye	**Volc N2**
0417	Malinovskoye	Volc O2
0418	Perekhodnoye	Volc O2
0419	Smolnoye	Volc O2
0420	Sredneye Padma	Meo K1
0421	Severnoye	Meo K1
0422	Vaskulnika	Meo K1
0423	Yushnoye	Meo K1
0424	Zhovtorichenske	Meo K2
0425	Alla Mesa	Sst K1
0426	Alta Verde	Sst E3
0427	Ambrosia Lake District (Dyxart)	Sst D3
0428	Anderson Mine	Volc D3
0429	Bear Creek Mines	**Surf O2**
0430	Yuddevinye	Volc O2
0431	Yugo-Zapadnoye	Volc O2

Dep ID	Dep Name	Grid
0432	Zhogbinskoye	Sst O2
0433	Zhemkvoye	Volc O2
0435	Borrego Pass	Sst D3
0436	Bull Canyon	Sst D3
0438	Central Zone	PQPC K6
0439	Church Rock	PQPC K6
0440	Crownpoint	PQPC K6
0441	Dysfunction Mine	PQPC K6
0442	Five Stake Geduld	PQPC K6
0443	Harmony	PQPC K6
0444	Hartshead/Iorton	PQPC K6
0445	Lorraine	PQPC K6
0446	Phalabora	PQPC K6
0447	Pleasant Brand Mine	PQPC K6
0448	Powdered Steyn	PQPC K6
0449	Qrys Mine (Beetz's West Section)	PQPC K6
0450	Rockpile Springs	PQPC K6
0451	Section Area Mine	PQPC K6
0452	Western Deep Levels Mine	PQPC K6
0453	Western Holdings	PQPC K6
0454	Abokorum	Sst M2
0455	Imouraren	Sst J4
0456	Oktyabrskoye	Volc O2
0457	Olovskoye	Volc O2
0458	Ratorbito	Gran I2
0459	Rangkad	Bsh J7
0460	Balik	Bsh L2
0461	Semoye	Sst L2
0462	Long Pans	Sst K2
0463	Adamantina	Sst G6
0464	Agua Quente	Sst G6
0465	Batalaye	Sst G6
0466	Baryuzovoye	Volc O2
0467	Yuzhnoye	Volc O2
0468	Zhovtorichenske	Volc O2
0469	Ala Mesa	Sst K1
0470	Tukukuvskoye	Volc O2
0471	Ucle-Uyukskoye	Volc O2
0472	Vershinnoye	Sst O2
0473	**Vitrinskoye**	**Surf O2**
0474	Yuzbekskoye	Volc O2
0475	Yugo-Zapadnoye	Volc O2

Dep ID	Dep Name	Grid
0476	Zhogbinskoye	Sst O2
0477	Zhemkvoye	Volc O2
0478	Mendand Big Red	Sst O2
0479	Gantsur Basin	Pho I3
0480	Dund Alshoon Basin	Pho I3
0481	Mesikala Basin	Pho I3
0482	Dzaat Eslahan Basin	Pho I3
0483	Imaksoye	Sst O2
0484	Irtemsoye	Pho I3
0485	Dolmatovskoye	Sst M2
0486	Druzhnoye	Meo P2
0487	Dybryn	Gran O2
0488	Dzunsoye	Gran O2
0489	Dzhalair-Naisar	Sst O2
0490	Dzeel Eslahan Basin	Pho I3
0491	Karchu	Unc K1
0492	Kekrovoye	Sst J6
0493	Khaggiknkoye	Sst O2
0494	Khokhlovskoye	Sst O2
0495	Lakkchka	Volc P2
0496	Lucknoye	Volc O2
0497	Malinovskoye	Volc O2
0498	Malo-Tukuevskoye	Volc O2
0499	Mariovskoye	Volc O2
0500	Mendonbatsoye	Sst O2
0501	Nemaru	Sst O2
0502	Novogodneye	Volc O2
0503	Oktyabrskoye	Volc O2
0504	Olovskoye	Volc O2
0505	Ozernoye	Met K1
0506	Rangkad	Bsh J7
0507	Balik	Bsh L2
0508	Lee	Sst O2
0509	Semenoe Mine	Sst L2
0510	Long Pans	Sst K2
0511	Adamantina	Sst G6
0512	Agua Quente	Sst G6
0513	Batalaye	Sst G6
0514	Baryuzovoye	Volc O2
0515	Yuzhnoye	Volc O2
0516	Zhovtorichenske	Volc O2
0517	North Florida District	Sst O2
0518	Northeast Florida District	Pho E3
0519	Pandora	Sst O2
0520	Panna Maria	Sst E3
0521	Petrotomics / Dave	Sst O2
0522	Pierce Canyon	Sst O2
0523	Big Buck / Velvet	Sst O2

Dep ID	Dep Name	Grid
0524	Big Eagle Phase2/Green Mountain Sst	Sst O2
0525	Pine Ridge	Sst O2
0526	Pine Tree	Sst O2
0527	Pine Tree	Sst O2
0528	Pine Tree	Sst O2
0529	Pine Tree	Sst O2
0530	Pine Tree	Sst O2
0531	Pine Tree	Sst O2
0532	Pine Tree	Sst O2
0533	Pine Tree	Sst O2
0534	Pine Tree	Sst O2
0535	Pine Tree	Sst O2
0536	Pine Tree	Sst O2
0537	Pine Tree	Sst O2
0538	Pine Tree	Sst O2
0539	Pine Tree	Sst O2
0540	Pine Tree	Sst O2
0541	Pine Tree	Sst O2
0542	Pine Tree	Sst O2
0543	Pine Tree	Sst O2
0544	Pine Tree	Sst O2
0545	Pine Tree	Sst O2
0546	Pine Tree	Sst O2
0547	Pine Tree	Sst O2
0548	Pine Tree	Sst O2
0549	Pine Tree	Sst O2
0550	Pine Tree	Sst O2
0551	Pine Tree	Sst O2
0552	Pine Tree	Sst O2
0553	Pine Tree	Sst O2
0554	Pine Tree	Sst O2
0555	Pine Tree	Sst O2
0556	Pine Tree	Sst O2
0557	Pine Tree	Sst O2
0558	Pine Tree	Sst O2
0559	Pine Tree	Sst O2
0560	Pine Tree	Sst O2
0561	Pine Tree	Sst O2
0562	Pine Tree	Sst O2
0563	Pine Tree	Sst O2
0564	Pine Tree	Sst O2
0565	Pine Tree	Sst O2
0566	Pine Tree	Sst O2
0567	Pine Tree	Sst O2
0568	Pine Tree	Sst O2
0569	Pine Tree	Sst O2
0570	Pine Tree	Sst O2
0571	Pine Tree	Sst O2
0572	Pine Tree	Sst O2
0573	Pine Tree	Sst O2

Dep ID	Dep Name	Grid
0574	Rhode Ranch District	Sst E3
0575	Rio Puerco	Sst O2
0576	Rocky Point	Sst O2
0577	Saint Anthony/M-6	Sst O2
0578	Schwartzwalder Mine	Sst O2
0579	Sherwood Mine	Sst O2
0580	Church Rock - Section 8 and 17	Sst O2
0581	Smith Ranch	Sst O2
0582	South Florida District	Sst O2
0583	South Morton Ranch	Sst O2
0584	Sweetwater Mine	Sst O2
0585	Taylor Ranch	Sst O2
0586	Tony M	Sst O2
0587	Vic Velarde	Volc O2
0588	Vasilkovskoye	Volc O2
0589	Western Area Mine	Sst O2
0590	Western Deep Levels Mine	PQPC K6
0591	Western Holdings	PQPC K6
0592	Highland	Sst O2
0593	Alto Ghella	Meo L4
0594	**Dasa Manes-El Bur District**	**Surf L4**
0595	Zovoski Vrh	Sst J7
0596	Mina Re	Gran I2
0597	L'Bar Ranch	Gran I2
0598	La Jara Mesa	Bsh J7
0599	Balik	Bsh L2
0600	Semoye Mine	Sst L2
0601	Long Pans	Sst K2
0602	Adamantina	Sst G6
0603	Agua Quente	Sst G6
0604	Batalaye	Sst G6
0605	Yuzhnoye	Volc O2
0606	Zovoski Vrh	Sst J7
0607	Mina Re	Gran I2
0608	L'Bar Ranch	Gran I2
0609	La Jara Mesa	Bsh J7
0610	Balik	Bsh L2
0611	Semoye Mine	Sst L2
0612	Long Pans	Sst K2
0613	West Largo	Sst D3
0614	Whiskey Peak / Green Mountain	Sst O2
0615	Agron	Sst O2
0616	Atlau	Sst O2
0617	Aiellenge	Volc O2
0618	Aulbek	Sst O2
0619	Aschlab	Sst O2
0620	Balik	Bsh L2
0621	Ranstad	Bsh J7
0622	Balik	Bsh L2
0623	Semoye	Sst L2
0624	Bukinay North	Sst O2
0625	Chauk	Sst O2
0626	Dzhantaur	Sst O2
0627	Dzhidy	Sst O2
0628	Kandybulak	Sst O2
0629	Kanimansur	Sst O2
0630	Kyzylkum	Sst O2
0631	Lunachoye	Sst O2
0632	Mynkuduk	Sst O2
0633	Nagyrlau	Sst O2
0634	Northern Part	Sst O2
0635	Severny Kamimekh	Sst O2
0636	Shark	Sst O2
0637	Southern Part	Sst O2
0638	Subtle / Brown Ranch	Sst O2
0639	Severny Kamimekh	Sst O2
0640	Shark	Sst O2
0641	Shark	Sst O2
0642	Sugraly	Sst O2
0643	Syrymkuva	Sst O2
0644	Uchkuduk	Sst O2
0645	Ulus	Sst O2
0646	Vizhny Bukinay	Sst O2
0647	Zhpuk Lake - La Ronge	Int O2
0648	Lac Cinquante	Met O1

Dep ID	Dep Name	Grid
0649	Tabelle	Sst J4
0650	Tala Sud	Sst J4
0651	Ruby	Sst O2
0652	Saint-Anthony/M-6	Sst O2
0653	Marianne - Maryline	Sst O2
0654	Christensen Ranch	Sst O2
0655	Dinahorsin Mine	PQPC K6
0656	Five Stake Geduld	PQPC K6
0657	Coppin Mountain	PQPC K6
0658	Crooks Gap District	PQPC K6
0659	Crow Butte	Sst O2
0660	Crownpoint	Sst O2
0661	Dewey-Burdock	Sst O2
0662	East Florida District	Pho E3
0663	East Gas Hills	Sst O2
0664	Eastern Area Mine	PQPC K6
0665	Jackpot Mine	PQPC K6
0666	Hansen	Sst O2
0667	Highland	Sst O2
0668	Akolkolin	Sst O2
0669	Allen	Sst O2
0670	Allsteng	Sst O2
0671	Alta Mesa	Sst O2
0672	Anderson	Sst O2
0673	Antelope	Sst O2
0674	Antelope Valley	Sst O2
0675	Antelope Valley	Sst O2
0676	Antelope Valley	Sst O2
0677	Antelope Valley	Sst O2
0678	Antelope Valley	Sst O2
0679	Antelope Valley	Sst O2
0680	Antelope Valley	Sst O2
0681	Antelope Valley	Sst O2
0682	Antelope Valley	Sst O2
0683	Antelope Valley	Sst O2
0684	Antelope Valley	Sst O2
0685	Antelope Valley	Sst O2
0686	Antelope Valley	Sst O2
0687	Antelope Valley	Sst O2
0688	Antelope Valley	Sst O2
0689	Antelope Valley	Sst O2
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0697	Antelope Valley	Sst O2
0698	Antelope Valley	Sst O2
0699	Antelope Valley	Sst O2
0700	Antelope Valley	Sst O2
0701	Antelope Valley	Sst O2
0702	Antelope Valley	Sst O2
0703	Antelope Valley	Sst O2
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0768	Antelope Valley	Sst O2
0769	Antelope Valley	Sst O2
0770	Antelope Valley	Sst O2
0771	Pitch Mine Creek	Sst O2
0772	Pitchmine / Dave	Sst O2
0773	Pitchmine / Dave	Sst O2
0774	Pitchmine / Dave	Sst O2
0775	Pitchmine / Dave	Sst O2
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0889	Pitchmine / Dave	Sst O2
0890	Tabelle	Sst J4
0891	Tala Sud	Sst J4
0892	Tallcrick	Sst J4
0893	Tallcrick	Sst J4
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0914	Tallcrick	Sst J4
0915	Tallcrick	Sst J4
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0921	Tallcrick	Sst J4
0922	Tallcrick	Sst J4
0923	Tallcrick	Sst J4
0924	Tallcrick	Sst J4
0925	Tallcrick	Sst J4
0926	Tallcrick	Sst J4
0927	Tallcr

WORLD DISTRIBUTION OF LIGNITE-COAL URANIUM DEPOSITS

SECOND EDITION: 2018

Scale 1: 1:35 000 000

Kilometres 500 0 500 1,000 1,500 2,000 Kilometres

Mercator Projection: Central Meridian 10°

Map production by M.C. Fairclough (IAEA), J.A. Irvine (Australia), L.F. Katona (Australia) and W.L. Slimmon (Canada).
World Distribution of Uranium Deposits, International Atomic Energy Agency, Vienna, Austria. Cartographic assistance was supplied by the Geological Survey of South Australia, the Saskatchewan Geological Survey and United States Geological Survey to the IAEA.

Deposit data derived from IAEA UDEPO (http://infcis.iaea.org/UDEPO/About.cshtml) database with assistance from P. Bruneton (France), M. Mihalasky (U.S.A.), M. Cuney (France), M. Aranha (IAEA), O. Pylypenko (IAEA) and K. Polakovska (IAEA). The map is an updated companion to "World Distribution of Uranium Deposits (UDEPO) with Uranium Deposit Classification, IAEA-Tech-Doc-1629" and "World Distribution of Uranium Deposits (UDEPO) 2016 Edition, IAEA Tec-Doc in-preparation". Map data is current to beginning 2017.

Geology was derived from L.B. Chorlton, Generalized Geology of the World, Geological Survey of Canada, Open File 5529, 2007 under Open Government Licence - Canada (http://data.gc.ca/eng/open-government-licence-canada)

Coastlines and drainage were obtained from Natural Earth public domain vector map data (http://www.naturalearthdata.com/about/terms-of-use). Country boundaries were derived from the Digital Chart of the World (http://www.maproom.psu.edu/dcw). The designations employed and the presentation of material on this map do not imply the expression of any opinion whatsoever on the part of the IAEA concerning the legal status of any country or territory, or of their authorities and institutions or of the delimitation of their boundaries. Dotted line represents approximately the Line of Control in Jammu and Kashmir agreed upon by India and Pakistan. The final status of Jammu and Kashmir has not yet been agreed upon by the parties. Final boundary between the Republic of Sudan and the Republic of South Sudan has not yet been determined.

Deposit Type	Deposit Subtype	Deposit Size (tU original or produced+remaining resource)				
		< 1 000	1 001 - 5 000	5 001 - 25 000	25 001 - 100 000	> 100 000
1. Intrusive (Int)	Anatectic					
	Plutonic*					
2. Granite-related (Gran)	Endogranitic					
	Perigranitic					
3. Polymetallic Fe oxide breccia complex* (PBx)						
4. Volcanic-related (Volc)	Stratabound					
	Structure-bound					
	Volcano-sedimentary					
5. Metasomatite (Mso)	Na-metasomatite					
	K-metasomatite					
	Skarn					
6. Metamorphite (Met)	Stratabound					
	Structure-bound					
	Marble-hosted					
7. Proterozoic unconformity (Unc)	Unconformity-contact					
	Basement-hosted					
	Stratiform fracture-controlled					
8. Collapse breccia pipe (CBx)						
9. Sandstone (Sst)	Basal channel					
	Tabular					
	Roll-front					
	Tectonic-lithologic					
	Mafic-pykesrafite					
10. Psiloo quartz-pebble conglomerate (PQPC)	U-dominant					
	Au-dominant*					
11. Surficial (Surf)	Peat-bog					
	Fluvial valley					
	Lacustrine-playa					
	Pedogenic and fracture fill					
12. Lignite-coal* (LigCo)	Stratiform					
	Fracture controlled					
13. Carbonate (Carb)	Stratabound					
	Cataclastic					
	Paleokarst					
14. Phosphate* (Pho)	Organic phosphorite					
	Microchemical phosphorite					
	Continental phosphate					
15. Black shale (BSh)	Stratiform					
	Stockwork					

- Undifferentiated and unverified Uranium occurrence with no known resource estimation
- Undifferentiated Thorium deposit and occurrence from IAEA ThDEPO database

The Dep IDs are unique deposit identification numbers corresponding to the IAEA UDEPO database records. A deposit is defined as there is known to be a resource estimation undertaken. If the exact estimation is unknown, an estimated range is generated by IAEA. This is particularly so with unconventional resources' from which uranium is present at very low grades, and/or where uranium is a co-product, requiring special processing techniques. Resources shown are not current remaining resources, but are the maximum of original geological resource, production figures or remaining resources at the lowest available cut-off grade. They include historic resources, and so may not be compliant with contemporary reporting standards such as JORC or NI 43-101. Where data is available, resource estimations for individual discrete ore zones are shown. Where this is not possible, some aggregation of resources are necessary. No economic or financial inferences with respect to recoverability of uranium are intended. The list of deposits is not exhaustive or current. There are 2831 deposits shown on the face of the map, but only those 102 greater than 100 000tU, or currently producing uranium, are named. Deposits greater than 100 000tU are also numbered, and along with larger or producing deposits, are listed below the map face. All other deposits (1866 250tU or less are only shown as symbols with no annotation but can be queried as described in https://wiau.adobe.com/arondal/aung/geospatial-pdfs.html.

Map Legend

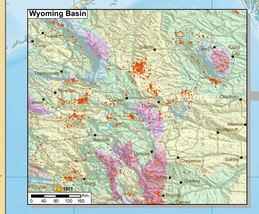
- Populated place
- Railroad
- Road
- Country boundary*
- Fault trace

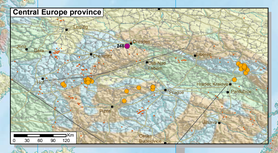
Lithology

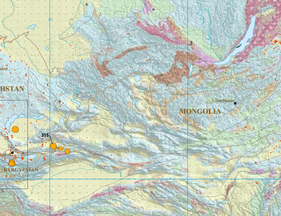
- Metamorphic rocks
- Intrusive rocks
- Sedimentary and volcanic rocks
- Sedimentary rocks
- Tectonized rocks
- Volcanic and intrusive rocks
- Volcanic rocks

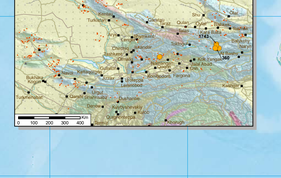
Era

- Holocene and Recent ice cap
- Cenozoic
- Mesozoic
- Paleozoic
- Neoproterozoic
- Mesoproterozoic
- Paleoproterozoic
- Proterozoic (undifferentiated)
- Archean and Proterozoic









Dep ID	Dep Name	Grid	Dep ID	Dep Name	Grid	Dep ID	Dep Name	Grid	Dep ID	Dep Name	Grid	Dep ID	Dep Name	Grid	Dep ID	Dep Name	Grid	Dep ID	Dep Name	Grid	Dep ID	Dep Name	Grid	Dep ID	Dep Name	Grid
0001	Akankor	Met	J3	0112	Blizzard	Sst	J2	0201	Kvarefjord	Int	G1	0299	Fennikkoaye	Met	M2	0374	Gurvanbulak Central Zone	Volc	O2	0485	Dolmatovskoye	Sst	M2	0580	Zhegbinskoye
0004	Tingpoche	Gran	J3	0113	Cigar Lake	Gran	J2	0202	Skjelvatnet	Unc	P2	0300	Olsborgvye	Met	M2	0375	Kharsaf	Volc	O2	0486	Mandarot Big Red	Sst	O1	0376	Rhode Ranch District
0005	Tryef	Met	J3	0116	Collins Bay A	Unc	D2	0213	Coutras	Sst	O2	0301	Grachevskoye	Met	M2	0376	Gambiur Basin	Pho	I3	0487	Dybryn	Sst	O3	0781	Ruby
0006	Cerro Solo	Met	F7	0117	Cluff Lake D	Unc	D2	0214	Shernandere (Le)	Sst	O2	0302	Dzunkhaya	Met	M2	0377	Dead Abdoun Basin	Pho	I3	0488	Gorniye	Gran	J2	0585	Bayovoozitoti Tallings
0011	Rodolfo	Sst	F6	0118	Dawn Lake	Unc	D2	0221	Bernardan (Le)	Gran	J2	0304	Irkol	Sst	M2	0381	Meskala Basin	Pho	I3	0493	Imskoye	Sst	O2	0586	Butlerbontsen
0014	Angela	Sst	P6	0119	Denison Mine	PQPC	E2	0223	Chantan (Le)	Gran	J2	0305	Idimskoye	Met	M2	0382	Dead Esbahab Basin	Pho	I3	0494	Imkesnoye	Sst	O2	0752	Sherwood Mine
0017	Ben Lomond	Volc	Q5	0122	Eagle Point	Unc	D2	0225	Bois Noirs (Les)	Gran	J2	0306	Kamyshenvye	Met	M2	0387	Klein Trekkopje	Surf	J6	0497	Karhu	Unc	N1	0588	Dnieforsten Mine
0018	Bennetts Well	Sst	D6	0124	Gunnar	Mso	D3	0231	Mas Laveyre	Sst	O2	0307	Karchugan	Sst	M2	0388	Langer Heinrich	Surf	J6	0500	Kietzrovye	Sst	O2	0589	Free State Geduld
0019	Beverley	Sst	P6	0126	Dellmann	Unc	D2	0232	Margnac-Peny	Gran	J2	0308	Karakoyn	Sst	M2	0390	Rossing	Int	J6	0503	Khaggiknkoye	Sst	O2	0590	Harmony
0020	Highr	Sst	P6	0127	Kiggavik Main	Unc	D2	0233	Bagombé	Gran	J2	0309	Karamurun North	Sst	M2	0391	Tumas	Int	J6	0504	Khokhlovskoye	Sst	O2	0591	Hartebeestfontein
0022	Centipede	Sst	P6	0130	Madawaska	Int	F2	0242	Mouriana	Sst	J5	0310	Karamurun South	Sst	M2	0392	Valencia	Int	J6	0505	Kotchiban	Sst	O2	0592	Lorraine
0026	Double Dam	Sst	P6	0132	Maurice River	Unc	D2	0244	Sofia	Sst	J5	0311	Karshiyerskoye	Sst	M2	0393	Etiba Nord	Int	J6	0506	Kovdorskoye	Sst	O2	0593	Phalabora
0032	Honeymoon	Sst	Q6	0133	Mcclean Lake Pods	Unc	D2	0247	Culmitzsch	Sst	J2	0313	Kharasan 1 North	Sst	M2	0395	Etiba Sud	Int	J6	0508	Kiwmcsero	Mso	K1	0594	President Brand Mine
0033	Huandagon	Sst	P6	0134	Michelin	Unc	D2	0248	Fraisi-Gittersee	LigCo	J2	0315	Kotdzhel	Sst	M2	0396	Tumas	Int	J6	0509	Kolomoyskoye	Volc	P2	0595	President Steyn
0034	Jabiluka	Unc	P5	0135	Midwest	Unc	D2	0250	Johannigorambidi	Gran	J2	0321	Kyrykay District (5 deposits)	Volc	M2	0397	Akouta Nord	Sst	J6	0510	Lucknisiye	Sst	O2	0597	Oryx Mine (Beatrix West Section)
0035	Koongarra	Unc	P5	0136	Millennium	Unc	D2	0251	Kadzharskoye	Sst	J2	0322	Lagerfontein	Sst	M2	0398	Akouta Sud	Int	J6	0511	Makarikariskoye	Sst	O2	0598	Oryx Mine (Beatrix East Section)
0036	Kintyre	Unc	P5	0137	Lacroc	Unc	D2	0255	Niederschlema-Alberoda ore field	Gran	J2	0326	Manyakskoye	Volc	M2	0399	Arlit	Sst	J6	0512	Makn Tukkaravskoye	Sst	O2	0599	Western Area Mine
0037	Koongarra 1	Unc	P5	0138	Panet Mine	PQPC	E2	0257	Tellerhauser	Gran	J2	0327	Melkoye	Pho	L2	0401	Arlette	Sst	J6	0518	Mankovskoye	Volc	O2	0601	Western Deep Levels Mine
0038	Lake Maitland	Surf	P6	0139	Spanish American	PQPC	E2	0259	Zobes	Gran	J2	0328	Miyerkum Central	Met	M2	0403	Arlesa	Sst	J6	0519	Mendobantoye	Volc	O2	0602	Western Holdings
0041	Lake Way	Surf	P6	0141	Quirke	PQPC	E2	0261	Bishkin	Sst	M2	0404	Abakorum	Sst	J6	0522	Namaru	Sst	O2	0603	Alo Ghella	Mso	L4	0711	Holiday-El Mesquite
0042	Mynyngee	Surf	P6	0142	Milliken	PQPC	E2	0262	Domasaal (KPN)	Met	M3	0328	Nolmoyskoye	LigCo	M2	0404	Imnuaran	Int	J6	0524	Novogodneye	Volc	O2	0604	Dusa Mareb-El Bur District
0044	Mary Kathleen	Mso	Q6	0143	Rabbit Lake	Unc	D2	0263	Jadugoda	Met	N3	0333	Semizbai	Sst	M2	0407	Tamou	Sst	J6	0526	Oktyabrskoye	Volc	O2	0606	Zovoski Vrh
0047	Mount Gee	Pho	P6	0144	Raven	Unc	D2	0266	Tumwupahar	Met	M3	0335	Shokpak	Sst	M2	0408	Tazia Nord	Gran	J2	0527	Olovskoye	Volc	O2	0615	Mina Ba
0050	Nabarlek	Unc	P5	0147	Stanleigh	PQPC	E2	0268	Rohl	Mso	M3	0336	Shotak-Espe	Sst	M2	0420	Rajak	Bsh	K2	0528	Owonneye	Met	K1	0618	Rabiribo
0051	Nabarlek	Unc	P5	0155	Klingele	Mso	D3	0269	Tumnalapalle - Rachakuntapalle	Met	M3	0338	Storyankoye	Met	M2	0422	Ramdad	Bsh	J2	0529	Pilgorodnoye	Sst	O2	0622	Ramdad
0052	Nowthana	Surf	Q6	0157	Beemiarrah	Volc	C3	0270	Turandih	Met	M3	0339	Sulucheknskoye	Sst	M2	0432	Urgenica	Gran	J2	0531	Primorskoye	Sst	N1	0623	Balik
0056	Olympic Dam	Pho	P6	0160	Charcoing	Bsh	C3	0272	Wahgo	Met	M3	0433	Tamtunovskoye	Pho	L2	0433	Syerkoye	Sst	J2	0533	Pyatiletnoye	Volc	O2	0626	Chauli
0059	Ranger 68	Unc	P5	0170	Lianshangquan-Benxi Mine	Mso	P2	0273	Peddagattu	Mso	L2	0439	Baita Bihor	Sst	K2	0534	Rodionovskoye	Surf	Q2	0627	Dzhamtuar	Bsh	J2	0535	Kuyumbinskoye
0061	Redmre	Unc	P5	0172	Nanhuangjin	Mso	D3	0274	Remagiri-Hiem	Mso	L2	0440	Tomeskoye	LigCo	K2	0633	Adamovskoye	Surf	Q2	0628	Reyvenskoye	Sst	O2	0627	Kalkfontein
0062	Skut	Mso	P6	0173	Chengjishan (SR)	Met	M2	0447	Dolnoi South	Sst	M2	0538	Ryakinskoye	Sst	M2	0636	Kalyvinskiy	Int	K2	0737	Mancoo-Sections 7-12	Sst	O3	0630	Kendyktube
0063	Spitfire Soak West	Sst	P6	0174	Chengjishan (16 deposits)	Met	M2	0448	Dolnoi Zapadno-Orlitsa	Sst	M2	0539	Rybalkinskoye	Sst	M2	0637	Kamyshtan	Sst	J2	0538	Rybnoye	Sst	O2	0631	Kendyktube (n. G. T)
0064	Valhalla	Mso	P6	0180	Xiangshe District (11 deposits)	Met	M2	0449	Dolnoi Yug	Sst	M2	0540	Rybnoye	Mso	K2	0638	Kamyshtan	Sst	J2	0539	Rybnoye	Sst	O2	0632	Kendyktube
0070	Warrior	Sst	P6	0181	Brennidar	Sst	Q2	0451	Argunskoye	Volc	C2	0550	Snedroyye Padma	Mso	K1	0648	Salloniviskoe	Sst	J2	0540	Rybnoye	Sst	O2	0633	Kendyktube
0073	Yeelirrie	Sst	P6	0182	Harry North (Harrie 1)	Sst	J2	0452	Beryozkoye	LigCo	K1	0651	Stepovskoye	Sst	M2	0649	Severinskoye	Mso	K2	0741	Monogarn Mesa	Sst	O3	0634	Kendyktube
0075	Amorinopolis	Sst	G5	0185	Horni Slavkov District (10 deposits)	Gran	J2	0453	Agashkoye	Met	M2	0554	Zhalpak	Sst	M2	0650	Severinskoye	Mso	K2	0742	Mungarn Mesa	Sst	O3	0635	Kendyktube
0077	Espinharas	Mso	H5	0186	Hradzor	Sst	J2	0455	Assanchik	Met	M2	0466	Beriozkoye	Gran	O2	0555	Snedlovskoye	Sst	M2	0651	Severinskoye	Mso	K2	0743	Mungarn Mesa
0078	Figueira	Sst	G6	0187	Jachymov District (12 mines)	Gran	J2	0456	Balkashinskoye	Volc	L2	0559	Tetrakhskoye	Mso	K2	0744	Mungarn Mesa	Sst	M2	0652	Severinskoye	Mso	K2	0744	Mungarn Mesa
0079	Gandaeda	PQPC	G6	0191	Minoun	Carb	M2	0472	Birikatna-Zhaltyshinskoye	LigCo	K2	0562	Tsennoskoye	Mso	K1	0653	Alla Mesa	Sst	J2	0543	Rybnoye	Sst	O2	0636	Kendyktube
0080	Itatiaia-Santa Quiteria District	Met	J5	0193	Oka-Dranonin	Met	J2	0290	Budennovskoye 1, 3 & 4	Sst	M2	0556	Mailuu-Suu	Volc	O2	0654	Tukukanskoye	Volc	O2	0658	Alla Verde	Sst	E3	0758	Northeast Florida District
0081	Vovos Do Cattete - Cercado	Sst	G6	0194	Osecna-Kotel	Sst	J2	0291	Burlukskoye	Met	M2	0557	Tuvakan	Sst	O2	0655	Ural-Lyukskoye	Sst	M2	0657	Ambrosia Lake District (Dysart)	Sst	M3	0553	Pandora
0083	Serra Das Galvotas	PQPC	G6	0196	Rozna	Gran	J2	0292	Chaglinskoye	Met	M2	0560	La Sierrita	LigCo	S1	0656	Vershinnoye	Sst	O2	0659	Anderson Mine	Volc	O3	0764	Panna Maria
0085	Telimba District	Sst	G6	0197	Straz	Gran	J2	0293	Chelyabinsk	Sst	O2	0661	Bear Creek Mines	Sst	O2	0660	Antonio Mine	Volc	O3	0774	Petronicia I Dare	Sst	O2	0660	Vilandavye
0104	Sirtobi	Sst	K2	0198	Vilbo II	Gran	J2	0257	Dzhuandatinskoye	Sst	K5	0483	Dalneye	Volc	O2	0662	Bernabe-Montanci District	Sst	O3	0771	Pitch Mine Creek	Sst	O3	0649	Yuzhny Bukinai
0109	Agnew Lake	PQPC	G6	0200	Zahn Chodov	Gran	J2	0258	Dzhidinly	Volc	O2	0664	Dobrovolnoye	Sst	O2	0663	Big Buck / Velvet	Sst	O3	0772	Pitch Mine Creek	Sst	O3	0778	Yogor-Zaadinoye

Dep ID	Dep Name	Grid	Dep ID	Dep Name	Grid	Dep ID	Dep Name	Grid	Dep ID	Dep Name	Grid	Dep ID	Dep Name	Grid	Dep ID	Dep Name	Grid	Dep ID	Dep Name	Grid	Dep ID	Dep Name	Grid	Dep ID	Dep Name	Grid
0782	Tabelle	Sst	J4	1082	Midwest A	Unc	D2	1218	Duddleton	Volc	J1	1347	Amiel Lake- Main Zone	Sst	E1	1471	Manjuaz	Sst	D3	1592	Bernbach	Gran	J2	1711	Ondjamba
0783	Tabla Sud	Sst	J4	1083	Mokoum	Sst	F2	1325	Tapp District	Pho	I3	1348	Moran Lake C Zone	Met	F2	1476	Section 22 (New Mexico)	Sst	D3	1593	Crimmenhauer Fault Zone	Bsh	J2	1712	Mkam
0784	Tabriza	Sst	J4	1086	Roughrider	Unc	D2	1231	Dilwer	Sst	D3	1349	Phoenix	Unc	D2	1477	Section 23 (New Mexico)	Sst	D3	1597	Crossen	Bsh	J2	1713	Mkam Deposit
0785	Tabulazo	Sst	J4	1087	Kiggavik Main	Unc	D2	1232	Dominique-Janine	Sst	D3	1350	Pirate	Unc	D2	1478	Section 24 (New Mexico)	Sst	D3	1601	Gera Sud	Bsh	J2	1714	Mkuju River
0786	Tadjelit	Sst	J4	1088	Kiggavik Main	Unc	D2	1233	Dominique-Peny	Sst	D3	1351	Pitch Mine Creek	Sst	O3	1479	Section 25 (New Mexico)	Sst	D3	1604	Kyhna - Schenkenberg	Volc	J2	1717	Jabal Sayid
0787	Tadjmout	Sst	J4	1089	Kiggavik Main	Unc	D2	1234	Donaldson	Sst	D3	1352	Sherwood Mine	Pho	I3	1481	Patricia	Pho	I3	1605	Lichtenberg	Bsh	J2	1725	Phosphorite Formation
0788	Tadjourdjoura	Sst	J4	1090	Kiggavik Main	Unc	D2	1235	Dorfstorlen Mine	Sst	D3	1353	Ruby	Sst	D3	1482	Tabriza	Sst	D3	1606	Pakzdorf	Bsh	J2	1742	MMLE
0789	Tadjourdjoura	Sst	J4	1091	Kiggavik Main	Unc	D2	1236	Dorfstorlen Mine	Sst	D3	1354	Shirley Basin Mine	Sst	D3	1483	Tabulazo	Sst	D3	1607	Paltzdorf	Bsh	J2	1743	Tuyuk-Buuz
0790	Tadjourdjoura	Sst	J4	1092	Kiggavik Main	Unc	D2	1237	Dorfstorlen Mine	Sst	D3	1355	Slick Rock District	Sst	D3	1484	Tadjourdjoura	Sst	D3	1608	Pretnua	Sst	J2	1744	Tuyuk-Buuz
0791	Tadjourdjoura	Sst	J4	1093	Kiggavik Main	Unc	D2	1238	Dorfstorlen Mine	Sst	D3	1356	Smith Ranch	Sst	D3	1485	Tadjourdjoura	Sst	D3	1609	Pretnua	Sst	J2	1745	Tuyuk-Buuz
0792	Tadjourdjoura	Sst	J4	1094	Kiggavik Main	Unc	D2	1239	Dorfstorlen Mine	Sst	D3	1357	Smith Ranch	Sst	D3	1486	Tadjourdjoura	Sst	D3	1610	Pretnua	Sst	J2	1746	Tuyuk-Buuz
0793	Tadjourdjoura	Sst	J4	1095	Kiggavik Main	Unc	D2	1240	Dorfstorlen Mine	Sst	D3	1358	Smith Ranch	Sst	D3	1487	Tadjourdjoura	Sst	D3	1611	Pretnua	Sst	J2	1747	Tuyuk-Buuz
0794	Tadjourdjoura	Sst	J4	1096	Kiggavik Main	Unc	D2	1241	Dorfstorlen Mine	Sst	D3	1359	Smith Ranch	Sst	D3	1488	Tadjourdjoura	Sst	D3	1612	Pretnua	Sst	J2	1748	Tuyuk-Buuz
0795	Tadjourdjoura	Sst	J4	1097	Kiggavik Main	Unc	D2	1242	Dorfstorlen Mine	Sst	D3	1360	Smith Ranch	Sst	D3	1489	Tadjourdjoura	Sst	D3	1613	Pretnua	Sst	J2	1749	Tuyuk-Buuz
0796	Tadjourdjoura	Sst	J4	1098	Kiggavik Main	Unc	D2	1243	Dorfstorlen Mine	Sst	D3	1361	Smith Ranch	Sst	D3	1490	Tadjourdjoura	Sst	D3	1614	Pretnua	Sst	J2	1750	Tuyuk-Buuz
0797	Tadjourdjoura	Sst	J4	1099	Kiggavik Main	Unc	D2	1244	Dorfstorlen Mine	Sst	D3	1362	Smith Ranch	Sst	D3	1491	Tadjourdjoura	Sst	D3	1615	Pretnua	Sst	J2	1751	Tuyuk-Buuz
0798	Tadjourdjoura	Sst	J4	1100	Kiggavik Main	Unc	D2	1245	Dorfstorlen Mine	Sst	D3	1363	Smith Ranch	Sst	D3	1492	Tadjourdjoura	Sst	D3	1616	Pretnua	Sst	J2	1752	Tuyuk-Buuz
0799	Tadjourdjoura	Sst	J4	1101	Kiggavik Main	Unc	D2	1246	Dorfstorlen Mine	Sst	D3	1364	Smith Ranch	Sst	D3	1493	Tadjourdjoura	Sst	D3	1617	Pretnua	Sst	J2	1753	Tuyuk-Buuz
0800	Tadjourdjoura	Sst	J4	1102	Kiggavik Main	Unc	D2	1247	Dorfstorlen Mine	Sst	D3	1365	Smith Ranch	Sst	D3	1494	Tadjourdjoura	Sst	D3	1618	Pretnua	Sst	J2	1754	Tuyuk-Buuz
0801	Tadjourdjoura	Sst	J4	1103	Kiggavik Main	Unc	D2	1248	Dorfstorlen Mine	Sst	D3	1366	Smith Ranch	Sst	D3	1495	Tadjourdjoura	Sst	D3	1619	Pretnua	Sst	J2	1755	Tuyuk-Buuz
0802	Tadjourdjoura	Sst	J4	1104	Kiggavik Main	Unc	D2	1249	Dorfstorlen Mine	Sst	D3	1367	Smith Ranch	Sst	D3	1496	Tadjourdjoura	Sst	D3	1620	Pretnua	Sst	J2	1756	Tuyuk-Buuz
0803	Tadjourdjoura	Sst	J4	1105	Kiggavik Main	Unc	D2	1250	Dorfstorlen Mine	Sst	D3	1368	Smith Ranch	Sst	D3	1497	Tadjourdjoura	Sst	D3	1621	Pretnua	Sst	J2	1757	Tuyuk-Buuz
0804	Tadjourdjoura	Sst	J4	1106	Kiggavik Main	Unc	D2	1251	Dorfstorlen Mine	Sst	D3	1369	Smith Ranch	Sst	D3	1498	Tadjourdjoura	Sst	D3	1622	Pretnua	Sst	J2	1758	Tuyuk-Buuz
0805	Tadjourdjoura	Sst	J4	1107	Kiggavik Main	Unc	D2	1252	Dorfstorlen Mine	Sst	D3	1370	Smith Ranch	Sst	D3	1499	Tadjourdjoura	Sst	D3	1623	Pretnua	Sst	J2	1759	Tuyuk-Buuz
0806	Tadjourdjoura	Sst	J4	1108	Kiggavik Main	Unc	D2	1253	Dorfstorlen Mine	Sst	D3	1371	Smith Ranch	Sst	D3	1500	Tadjourdjoura	Sst	D3	1624	Pretnua	Sst	J2	1760	Tuyuk-Buuz
0807	Tadjourdjoura	Sst	J4	1109	Kiggavik Main	Unc	D2	1254	Dorfstorlen Mine	Sst	D3	1372	Smith Ranch	Sst	D3	1501	Tadjourdjoura	Sst	D3	1625	Pretnua	Sst	J2	1761	Tuyuk-Buuz
0808	Tadjourdjoura	Sst	J4	1110	Kiggavik Main	Unc	D2	1255	Dorfstorlen Mine	Sst	D3	1373	Smith Ranch	Sst	D3	1502	Tadjourdjoura	Sst	D3	1626	Pretnua	Sst	J2	1762	Tuyuk-Buuz
0809	Tadjourdjoura	Sst	J4	1111	Kiggavik Main	Unc	D2	1256	Dorfstorlen Mine	Sst	D3	1374	Smith Ranch	Sst	D3	1503	Tadjourdjoura	Sst	D3	1627	Pretnua	Sst	J2	1763	Tuyuk-Buuz
0810	Tadjourdjoura	Sst	J4	1112	Kiggavik Main	Unc	D2	1257	Dorfstorlen Mine	Sst	D3	1375	Smith Ranch	Sst	D3	1504	Tadjourdjoura	Sst	D3	1628	Pretnua	Sst	J2	1764	Tuyuk-Buuz
0811	Tadjourdjoura	Sst	J4	1113	Kiggavik Main	Unc	D2	1258	Dorfstorlen Mine	Sst	D3	1376	Smith Ranch	Sst	D3	1505	Tadjourdjoura	Sst	D3	1629	Pretnua	Sst	J2	1765	Tuyuk-Buuz
0812	Tadjourdjoura	Sst	J4	1114	Kiggavik Main	Unc	D2	1259	Dorfstorlen Mine	Sst	D3	1377	Smith Ranch	Sst	D3	1506	Tadjourdjoura	Sst	D3	1630	Pretnua	Sst	J2	1766	Tuyuk-Buuz
0813	Tadjourdjoura	Sst	J4	1115	Kiggavik Main	Unc	D2	1260	Dorfstorlen Mine	Sst	D3	1378	Smith Ranch	Sst	D3	1507	Tadjourdjoura	Sst	D3	1631	Pretnua	Sst	J2	1767	Tuyuk-Buuz
0814	Tadjourdjoura	Sst	J4	1116	Kiggavik Main	Unc	D2	1261	Dorfstorlen Mine	Sst	D3	1379	Smith Ranch	Sst	D3	1508	Tadjourdjoura	Sst	D3	1632	Pretnua	Sst	J2	1768	Tuyuk-Buuz
0815	Tadjourdjoura	Sst	J4	1117	Kiggavik Main	Unc	D2	1262	Dorfstorlen Mine	Sst	D3	1380	Smith Ranch	Sst	D3	1509	Tadjourdjoura	Sst	D3	1633	Pretnua	Sst	J2	1769	Tuyuk-Buuz
0816	Tadjourdjoura	Sst	J4	1118	Kiggavik Main	Unc	D2	1263	Dorfstorlen Mine	Sst	D3	1381	Smith Ranch	Sst	D3	1510	Tadjourdjoura	Sst	D3	1634	Pretnua	Sst	J2	1770	Tuyuk-Buuz
0817	Tadjourdjoura	Sst	J4	1119	Kiggavik Main	Unc	D2	1264	Dorfstorlen Mine	Sst	D3	1382	Smith Ranch	Sst	D3	1511	Tadjourdjoura	Sst	D3	1635	Pretnua	Sst	J2	1771	Tuyuk-Buuz
0818	Tadjourdjoura	Sst	J4	1120	Kiggavik Main	Unc	D2	1265	Dorfstorlen Mine	Sst	D3	1383	Smith Ranch	Sst	D3	1512	Tadjourdjoura	Sst	D3	1636	Pretnua	Sst	J2	1772	Tuyuk-Buuz
0819	Tadjourdjoura	Sst	J4	1121	Kiggavik Main	Unc	D2	1266	Dorfstorlen Mine	Sst	D3	1384	Smith Ranch	Sst	D3	1513	Tadjourdjoura	Sst	D3	1637	Pretnua	Sst	J2	1773	Tuyuk-Buuz
0820	Tadjourdjoura	Sst	J4	1122	Kiggavik Main	Unc	D2	1267	Dorfstorlen Mine	Sst	D3	1385	Smith Ranch	Sst	D3	1514	Tadjourdjoura	Sst	D3	1638	Pretnua	Sst	J2	1774	Tuyuk-Buuz
0821	Tadjourdjoura	Sst	J4	1123	Kiggavik Main	Unc	D2	1268	Dorfstorlen Mine	Sst	D3	1386	Smith Ranch	Sst	D3	1515	Tadjourdjoura	Sst	D3	1639	Pretnua	Sst	J2	1775	Tuyuk-Buuz
0822	Tadjourdjoura	Sst	J4	1124	Kiggavik Main	Unc	D2	1269	Dorfstorlen Mine	Sst	D3	1387	Smith Ranch	Sst	D3	1516	Tadjourdjoura	Sst	D3	1640	Pretnua	Sst	J2	1776	Tuyuk-Buuz
0823	Tadjourdjoura	Sst	J4	1125	Kiggavik Main	Unc	D2	1270	Dorfstorlen Mine	Sst	D3	1388	Smith Ranch	Sst	D3	1517	Tadjourdjoura	Sst	D3	1641	Pretnua	Sst	J2	1777	Tuyuk-Buuz
0824	Tadjourdjoura	Sst	J4	1126	Kiggavik Main	Unc	D2

WORLD DISTRIBUTION OF CARBONATE URANIUM DEPOSITS

IAEA International Atomic Energy Agency

SECOND EDITION: 2018

Scale 1: 1:35 000 000

Kilometres 500 0 500 1,000 1,500 2,000 Kilometres

Mercator Projection: Central Meridian 10°

Map production by M.C. Fairclough (IAEA), J.A. Irvine (Australia), L.F. Katona (Australia) and W.L. Slimmon (Canada). World Distribution of Uranium Deposits, International Atomic Energy Agency, Vienna, Austria. Cartographic assistance was supplied by the Geological Survey of South Australia, the Saskatchewan Geological Survey and United States Geological Survey to the IAEA.

Deposit data derived from IAEA UDEPO (http://infcis.iaea.org/UDEPO/About.cshtml) database with assistance from P. Bruneton (France), M. Mihalasky (U.S.A.), M. Cuney (France), M. Aranha (IAEA), O. Pylypenko (IAEA) and K. Poliakovska (IAEA). The map is an updated companion to "World Distribution of Uranium Deposits (UDEPO) with Uranium Deposit Classification, IAEA Tech-Doc-1629" and "World Distribution of Uranium Deposits (UDEPO) 2016 Edition, IAEA Tec-Doc in-preparation". Map data is current to beginning 2017.

Geology was derived from L.B. Chorlton, Generalized Geology of the World, Geological Survey of Canada, Open File 5529, 2007 under Open Government Licence - Canada (http://data.gc.ca/eng/open-government-licence-canada)

Coastlines and drainage were obtained from Natural Earth public domain vector map data (http://www.naturalearthdata.com/about/terms-of-use). Country boundaries are from the United Nations² (http://www.un.org/Depts/Cartographic/english/htmain.htm). The use of particular designations of countries or territories does not imply any judgement by the publisher, the IAEA, as to the legal status of such countries or territories, of their authorities and institutions or of the delimitation of their boundaries. Dotted line represents approximately the Line of Control in Jammu and Kashmir agreed upon by India and Pakistan. The final status of Jammu and Kashmir has not yet been agreed upon by the parties. Final boundary between the Republic of Sudan and the Republic of South Sudan has not yet been determined.

Deposit Type	Deposit Subtype	Deposit Size (tU original or produced+remaining resource) < 1 000	1 001 - 5 000	5 001 - 25 000	25 001 - 100 000	> 100 000
1. Intrusive (Int)	Anatectic					
	Plutonic[1]					
2. Granite-related (Gran)	Endogranitic					
	Perigranitic					
3. Polymetallic Fe oxide breccia complex[1] (PBx)						
4. Volcanic-related (Volc)	Stratabound					
	Structure-bound					
	Volcano-sedimentary					
5. Metasomatite (Mso)	Na-metasomatite					
	K-metasomatite					
	Skarn					
6. Metamorphite (Met)	Stratabound					
	Structure-bound					
	Marble-hosted					
7. Proterozoic unconformity (Unc)	Unconformity-contact					
	Basement-hosted					
	Stratiform fracture-controlled					
8. Collapse breccia pipe (CBx)						
9. Sandstone (Sst)	Basal channel					
	Tabular					
	Roll-front					
	Tectonic-lithologic					
	Mafic dykes/sills					
10. Paleo quartz-pebble conglomerate (PQPC)	U-dominant					
	Au-dominant[1]					
11. Surficial (Surf)	Peat-bog					
	Fluvial valley					
	Lacustrine-playa					
	Pedogenic and fracture fill					
12. Lignite-coal[1] (LigCo)	Stratiform					
	Fracture controlled					
13. Carbonate (Carb)	Stratabound					
	Cataclastic					
	Paleokarst					
14. Phosphate[1] (Pho)	Organic phosphorite					
	Microchemical phosphorite					
	Continental phosphate					
15. Black shale (BSh)	Stratiform					
	Stockwork					

- Undifferentiated and unverified Uranium occurrence with no known resource estimation
- Undifferentiated Thorium deposit and occurrence from IAEA ThDEPO database

The Dep IDs are unique deposit identification numbers corresponding to the IAEA UDEPO database records. A deposit is defined as there is known to be a resource estimation undertaken. If the exact estimation is unknown, an estimated range is generated by IAEA. This is particularly so with unconventional resources[1] from which uranium is present at very low grades and/or only recoverable as a minor by-product using special processing techniques. Resources shown are not current remaining resources, but are the maximum of original geological resource, production figures or remaining resources at the lowest available cut-off grade. They include historic resources, and so may not be compliant with contemporary reporting standards and are not endorsed by IAEA as such. Where available, resource estimations for individual discrete ore zones are shown. Where this is not possible, some aggregation of resources are necessary. No economic or financial inferences with respect to recoverability of uranium are intended. The list of deposits is not exhaustive or current. There are 2831 deposits shown on the face of the map, but only those 102 greater than 100 000tU, or currently producing uranium, are named. Other deposits greater than 2500tU (863 deposits) are numbered, and along with larger or producing deposits, are listed below the map face. All other deposits (1866) 2500tU or less are only shown as symbols with no annotation but can be queried as described in https://helpx.adobe.com/acrobat/using/geospatial-pdfs.html.

Map Legend

- Populated place
- Railroad
- Road
- Country boundary[2]
- Fault trace

Lithology

- Metamorphic rocks
- Intrusive rocks
- Sedimentary and volcanic rocks
- Sedimentary rocks
- Tectonized rocks
- Volcanic and intrusive rocks
- Volcanic rocks

Era

- Holocene and Recent ice cap
- Cenozoic
- Mesozoic
- Paleozoic
- Neoproterozoic
- Mesoproterozoic
- Paleoproterozoic
- Proterozoic (undifferentiated)
- Archean and Proterozoic

Dep ID	Dep Name	Dep Type	Grid
0001	Abankor	Met	J3
0004	Timgaouine	Gran	J3
0005	Tinef	Met	J3
0006	Cerro Solo	Sst	F7
0011	Rodolfo	Sst	F6
0014	Angela	Sst	P6
0017	Ben Lomond	Volc	Q5
0018	Bennetts Well	Sst	O6
0019	Beverley	Sst	P6
0020	Bigrlyi	Sst	P6
0022	Centipede	Surf	P6
0029	Goulds Dam	Sst	P6
0032	Honeymoon	Sst	Q6
0033	Huarabagoo	Sst	P5
0034	Jabiluka 1	Unc	P5
0035	Junnagunna	Sst	P5
0036	Kintyre	Unc	P6
0037	Koongarra 1	Unc	P5
0038	Lake Maitland	Surf	P6
0041	Lake Way	Surf	P6
0043	Manyingee	Sst	O6
0044	Mary Kathleen	Mso	Q6
0047	Mount Gee	PBx	P6
0050	Nabarlek	Unc	P5
0051	Napperby	Surf	P6
0052	Nowthana	Surf	O6
0053	Olympic Dam	PBx	P6
0059	Ranger 68	Unc	P5
0060	Redtree	Sst	P5
0062	Skal	Mso	P6
0064	Thatcher Soak West	Surf	P6
0068	Valhalla	Mso	P6
0070	Warrior	Sst	P6
0073	Yeelirrie	Surf	O6
0075	Amorinopolis	Sst	G5
0077	Espinharas	Mso	H5
0078	Figueira	Sst	G6
0079	Gandarela	PQPC	G6
0080	Itataia-Santa Quiteria District	Met	H5
0082	Pocos De Caldas - Cercado	Int	G6
0083	Serra Das Gaivotas	PQPC	G6
0089	Eleshnitza District	Sst	K2
0104	Simitli	Sst	K2
0109	Agnew Lake	PQPC	E2

Dep ID	Dep Name	Dep Type	Grid
0112	Blizzard	Sst	D2
0113	Cigar Lake	Unc	D2
0116	Collins Bay A	Unc	D2
0117	Cluff Lake D	Unc	D2
0118	Dawn Lake	Unc	D2
0119	Denison Mine	PQPC	E2
0122	Eagle Point	Unc	D2
0124	Gunnar	Mso	D2
0126	Deilmann	Unc	D2
0127	Kiggavik Main	Unc	E1
0130	Madawaska	Int	F2
0132	Mcarthur River	Unc	D2
0133	Mcclean Lake Pods	Unc	D2
0134	Michelin	Mso	G2
0135	Midwest	Unc	D2
0136	Nordic	PQPC	E2
0137	Lacnor	PQPC	E2
0138	Panel Mine	PQPC	E2
0139	Spanish American	PQPC	E2
0141	Quirke	PQPC	E2
0142	Milliken	PQPC	E2
0143	Rabbit Lake	Unc	D2
0144	Raven	Unc	D2
0147	Stanleigh	PQPC	E2
0155	Kitongo	Mso	J4
0157	Beimianshi	Volc	O3
0160	Chanziping	Bsh	O3
0170	Lianshanguan-Benxi Mine	Mso	P2
0172	Nuheting	Sst	O2
0175	Chengzishan (381)	Sst	N3
0179	Xiazhuang District (16 deposits)	Gran	O3
0180	Xiangshan District (11 deposits)	Volc	O3
0181	Brevniste	Sst	J2
0184	Hamr North (Hamr I)	Sst	J2
0185	Horni Slavkov District (10 deposits)	Gran	J2
0186	Hvezdov	Sst	J2
0187	Jachymov District (12 mines)	Gran	J2
0191	Mimon	Sst	J2
0193	Olsi-Dranonin	Met	J2
0194	Osecna-Kotel	Sst	J2
0196	Rozna	Met	J2
0197	Straz	Sst	J2
0198	Vitkov II	Gran	J2
0200	Zadni Chodov	Gran	J2

Dep ID	Dep Name	Dep Type	Grid
0201	Kvanefjeld	Int	G1
0210	Bellezane	Gran	J2
0213	Coutras	Sst	J2
0220	Commanderie (La)	Gran	I2
0221	Bernardan (Le)	Gran	J2
0223	Chardon (Le)	Gran	I2
0225	Bois Noirs (Les)	Gran	J2
0231	Mas Lavayre	Sst	J2
0232	Margnac-Peny	Gran	J2
0239	Bagombé	Sst	J5
0242	Mounana	Sst	J5
0244	Oklo	Sst	J5
0247	Culmitzsch	Sst	J2
0248	Freital-Gittersee	LigCo	J2
0250	Johanngeorgenstadt	Gran	J2
0251	Koenigstein	Sst	J2
0255	Niederschlema-Alberoda ore field	Gran	J2
0257	Tellerhäuser	Gran	J2
0259	Zobes	Gran	J2
0261	Bhatin	Met	N3
0262	Domiasiat (KPN)	Sst	N3
0263	Jaduguda	Met	N3
0266	Narwapahar	Met	N3
0268	Rohil	Mso	M3
0269	Tummalapalle - Rachakuntapalle	Carb	M4
0270	Turamdih	Met	N3
0272	Wahkyn	Sst	N3
0273	Peddagattu	Unc	M4
0274	Remaja-Hitam	Met	O5
0277	Al Abiad-Al Wady	Pho	K3
0278	Al Hassa - Al Qatrana	Pho	K3
0279	Al Shedeye - Eshidia	Pho	K3
0280	Ruseifa	Pho	K3
0282	Tono District (4 Deposits)	Sst	P3
0283	Agashskoye	Met	M2
0285	Assarchik	Sst	M2
0286	Balkashinskoye	Volc	M2
0289	Botaburum	Volc	M2
0290	Budennovskoye 1, 3 & 4	Sst	M2
0291	Burlukskoye	Met	M2
0292	Chaglinskoye	Met	M2
0294	Daba	Volc	M2
0297	Dzhusandalynskoye	Gran	M2
0298	Dzhidely	Volc	M2

Dep ID	Dep Name	Dep Type	Grid
0299	Fevralskoye	Met	M2
0300	Glubinnoye	Met	M2
0301	Grachevskoye	Met	M2
0303	Inkai 1, 2 & 3	Sst	M2
0304	Irkol	Sst	M2
0305	Ishimskoye	Met	M2
0306	Kamyshevoye	Met	M2
0307	Kanzhugan	Sst	M2
0308	Karakoyn	Sst	M2
0309	Karamurun North	Sst	M2
0310	Karamurun South	Sst	M2
0311	Karyntarynskoye	Pho	L2
0313	Kharasan 1-North	Sst	M2
0315	Koldzhat	LigCo	N2
0321	Kyzylsay District (8 deposits)	Volc	M2
0323	Kyzyltu	Sst	M2
0326	Manybaiskoye	Volc	M2
0327	Melovoye	Pho	L2
0328	Moynkum Central	Sst	M2
0329	Mynkuduk East	Sst	M2
0330	Nizhneylyiskoye	LigCo	M2
0333	Semizbai	Sst	M2
0335	Shokhpak	Met	M2
0336	Sholak-Espe	Sst	M2
0338	Slavyanskoye	Met	M2
0339	Suluchekinskoye	Sst	M2
0342	Tasmurunskoye	Pho	L2
0344	Taybagarskoye	Pho	L2
0345	Tomakskoye	Pho	L2
0347	Uvanas	Sst	M2
0348	Victorovskoye	Met	M2
0349	Vostok	Met	M2
0352	Zarechnoye	Sst	M2
0353	Zaozernoye	Met	M2
0354	Zhalpak	Sst	M2
0355	Zhautkan	Sst	M2
0356	Zvyozdnoe	Met	M2
0357	Maylisay	Carb	M2
0358	Mailuu-Suu	Carb	M2
0360	Turakavak	LigCo	M2
0367	La Sierrita	Sst	E3
0371	Santo Domingo	Pho	D3
0372	Kayelekera	Sst	K5
0373	Dornod District (12 deposits)	Volc	O2

Dep ID	Dep Name	Dep Type	Grid
0374	Gurvanbulak Central Zone	Volc	O2
0375	Kharaat	Sst	O2
0379	Gantour Basin	Pho	I3
0380	Oulad Abdoun Basin	Pho	I3
0381	Meskala Basin	Pho	I3
0382	Oued Eddahab Basin	Pho	I3
0387	Klein Trekkopje	Surf	J6
0388	Langer Heinrich	Surf	J6
0390	Rossing	Int	J6
0391	Tumas	Surf	J6
0392	Valencia	Int	J6
0394	Ebba Nord	Sst	J4
0395	Ebba Sud	Sst	J4
0396	Akola	Sst	J4
0397	Akouta Nord	Sst	J4
0398	Akouta Sud	Sst	J4
0399	Ariege	Sst	J4
0401	Arlette	Sst	J4
0403	Artois	Sst	J4
0404	Abakorum	Sst	J4
0405	Imouraren	Sst	J4
0407	Tamou	Sst	J4
0408	Taza Nord	Sst	J4
0420	Rajsk	Bsh	K2
0428	Nisa	Gran	I3
0432	Urgeirica	Gran	I2
0435	Shinkolobwe-Kasolo	Met	K5
0439	Baita Bihor	Sst	K2
0445	Crucea	Met	K2
0447	Dobrei South	Sst	K2
0456	Tulghes-Grinties	Met	K2
0460	Antei	Volc	O2
0461	Argunskoye	Volc	O2
0463	Badyelskoye	LigCo	L1
0466	Belskoje	LigCo	K2
0468	Beryozovoye	Gran	O2
0469	Beshtaugorskoye	Volc	L2
0472	Briketno-Zheltuhinskoye	LigCo	K2
0474	Buyanovskoye	Sst	O2
0477	Bytuguchag	Gran	Q1
0479	Chaplinskoye	LigCo	S1
0482	Crystalnoye	Gran	O2
0483	Dalneye	Volc	O2
0484	Dobrovolnoye	Sst	M2

Dep ID	Dep Name	Dep Type	Grid
0485	Dolmatovskoye	Sst	M2
0486	Druzhnoye	Mso	P2
0487	Dybryn	Sst	O2
0492	Gornoye	Gran	O2
0493	Imskoye	Sst	O2
0494	Interesnoye	Mso	P2
0497	Karhu	Unc	K1
0500	Kedrovoye	Sst	N1
0503	Khiagdinskoye	Sst	O2
0504	Khokhlovskoye	Sst	M2
0505	Kolichikan	Sst	O2
0507	Koretkondinskoye	Sst	O2
0508	Kosmozero	Mso	K1
0513	Lastochka	Volc	P2
0515	Luchistoye	Volc	O2
0516	Malinovskoye	Sst	N2
0517	Malo-Tulukuevskoye	Volc	O2
0518	Martovskoye	Volc	O2
0520	Meridionalnoye	Sst	O2
0522	Namaru	Sst	O2
0524	Novogodneye	Volc	O2
0526	Oktyabrskoye	Volc	O2
0527	Olovskoye	Volc	O2
0528	Osenneye	Met	K1
0530	Prigorodnoye	Sst	N2
0531	Primorskoye	Sst	N2
0533	Pyatilentneye	Volc	O2
0534	Rodionovskoye	Surf	O2
0537	Repyevskoye	Carb	L2
0538	Rjabinovoye	Volc	N2
0539	Sanarskoye	Surf	M2
0544	Shirondukuevskoye	Volc	O2
0550	Srednaya Padma	Mso	K1
0551	Stepnovskoye	Pho	L2
0553	Stepnoye	Sst	O2
0555	Streltsovskoye	Volc	O2
0559	Tetrakhskoye	Sst	O2
0562	Tsarevskoye	Mso	K1
0564	Tulukuevskoye	Volc	O2
0566	Ust-Uyukskoye	Sst	N2
0568	Vershinnoye	Sst	O2
0573	Vitlandskoye	Surf	O2
0576	Yubileinoye	Volc	O2
0578	Yugo-Zapadnoye	Volc	O2

Dep ID	Dep Name	Dep Type	Grid
0580	Zheglovskoye	Sst	O2
0581	Zherlovoye	Volc	O2
0583	Zjulzinskoye	Sst	O2
0585	Blyvooruitzicht Tailings	PQPC	K6
0586	Buffelsfontein	PQPC	K6
0587	Chemwes-Stilfontein	PQPC	K6
0588	Driefontein Mine	PQPC	K6
0589	Free State Geduld	PQPC	K6
0590	Harmony	PQPC	K6
0591	Hartebeestfontein	PQPC	K6
0592	Loraine	PQPC	K6
0593	Phalabora	Int	K6
0594	President Brand Mine	PQPC	K6
0595	President Steyn	PQPC	K6
0597	Oryx Mine (Beatrix West Section)	PQPC	K6
0599	Western Rand Tailings	PQPC	K6
0600	Western Areas Mine	PQPC	K6
0601	Western Deep Levels Mine	PQPC	K6
0602	Western Holdings	PQPC	K6
0603	Alio Ghelle	Mso	L4
0604	Dusa Mareb-El Bur District	Surf	L4
0606	Zirovski Vrh	Sst	J2
0616	Mina Fe	Gran	I2
0618	Retortillo	Gran	I2
0622	Ranstad	Bsh	J2
0625	Bailik	Bsh	L2
0626	Sernoye	Sst	L2
0632	Yozgat-Sorgun	Sst	K3
0633	Adamivske	LigCo	K2
0638	Kalynivske	Int	K2
0642	Michurinske	Mso	K2
0646	Pershotravneve	Mso	K2
0648	Safonivske	Sst	K2
0649	Severinivske	Mso	K2
0651	Vatutinske	Mso	K2
0652	Yuzhnoye	Int	K2
0653	Zhovtorichenske	Mso	K2
0655	Alta Mesa	Sst	E3
0656	Alta Verde	Sst	E3
0657	Ambrosia Lake District (Dysart)	Sst	D3
0658	Anderson Mine	Volc	D3
0660	Bear Creek Mines	Sst	D2
0662	Bernabe-Montano District	Sst	D3
0663	Big Buck / Velvet	Sst	D3

Dep ID	Dep Name	Dep Type	Grid
0664	Big Eagle Phase2/Green Mountain	Sst	D2
0666	Marsland Big Red	Sst	D3
0670	Borrego Pass	Sst	D3
0675	Butler-Weddington	Sst	E3
0680	Central Florida District	Pho	E3
0683	Christensen Ranch	Sst	D2
0684	Churchrock - Section 4	Sst	D3
0686	Clay West	Sst	E3
0688	Copper Mountain	Gran	D2
0689	Crooks Gap District	Sst	D2
0690	Crow Butte	Sst	D2
0691	Crownpoint	Sst	D3
0694	Dewey-Burdock	Sst	D2
0695	East Florida District	Pho	E3
0696	East Gas Hills	Sst	D2
0699	Fernandez Main Ranch	Sst	D3
0701	Jackpot Mine	Sst	D2
0704	Hansen	Sst	D3
0710	Highland	Sst	D2
0711	Holiday-El Mesquite	Sst	E3
0713	Irigaray	Sst	D2
0716	Jackpile - Paguate	Sst	D3
0722	Kingsville Dome	Sst	E3
0723	L-Bar Ranch	Sst	D3
0724	La Jara Mesa	Sst	D3
0728	Lee	Sst	D3
0729	Deremo Mine	Sst	D3
0732	Long Park	Sst	D3
0735	Lucky Mc Mine	Sst	D2
0737	Mancos-Sections 7-12	Sst	D3
0738	Mariano Lake	Sst	D3
0743	Mi Vida	Sst	D3
0744	Midnite	Gran	D2
0745	Monogram Mesa	Sst	D3
0751	Mount. Taylor Mine	Sst	D3
0752	Narrow Canyon	Sst	D3
0756	North Butte / Brown Ranch	Sst	D2
0757	North Florida District	Pho	E3
0758	Northeast Florida District	Pho	E3
0763	Pandora	Sst	D3
0764	Panna Maria	Sst	E3
0767	Petrotomics / Dave	Sst	D2
0771	Pitch Mine	Met	D3
0775	West Reno Creek	Sst	D2

Dep ID	Dep Name	Dep Type	Grid
0776	Rhode Ranch District	Sst	E3
0777	Rio Puerco	Sst	D3
0781	Ruby	Sst	D3
0785	Saint Anthony/M-6	Sst	D3
0789	Schwartzwalder Mine	Met	D3
0792	Sherwood Mine	Sst	D2
0794	Shirley Basin Mine	Sst	D2
0796	Slick Rock District	Sst	D3
0797	Smith Ranch	Sst	D2
0798	South Florida District	Pho	E3
0799	South Morton Ranch	Sst	D2
0802	Sweetwater Mine	Sst	D2
0803	Taylor Ranch	Sst	D3
0805	Tony M	Sst	D3
0809	Atkinson Mesa District	Sst	D3
0810	Vanadium	Sst	D3
0812	West Gas Hills	Sst	D2
0813	West Largo	Sst	D3
0814	Whiskey Peak / Green Mountain	Sst	D2
0815	Agron	Sst	M3
0816	Aktau	Sst	M2
0817	Alatanga	Volc	M2
0818	Alendy	Sst	M2
0820	Aulbek	Sst	M2
0823	Beshkak	Sst	M2
0824	Bukinay North	Sst	M2
0826	Chauli	Sst	M2
0827	Dzhantuar	Bsh	M2
0828	Kenimekh	Sst	M2
0830	Kendyktjube	Sst	M2
0831	Ketmenchi	Sst	M3
0833	Lyavlyakan	Sst	M2
0835	Meylysai	Sst	M2
0836	Nagornoye	Sst	M2
0837	Rudnoye	Bsh	M2
0838	Sabyrsay	Sst	M2
0839	Severny Kanimekh	Sst	M2
0841	Shark	Sst	M3
0842	Sugraly	Sst	M2
0845	Tutlyinskaya	Sst	M3
0846	Uchkuduk	Sst	M2
0847	Ulus	Sst	M3
0849	Yuzhny Bukinai	Sst	M2
0851	Khe Hoa-Khe Cao	Sst	O4

Dep ID	Dep Name	Dep Type	Grid
0890	Tabelle	Sst	J4
0891	Taza Sud	Sst	J4
0892	Takriza	Sst	J4
0893	Tamgak	Sst	J4
0895	Marianne - Maryline	Sst	J4
0929	Church Rock - Section 8 and 17	Sst	D3
0930	Peach	Sst	D2
0932	Reynolds Ranch	Sst	D2
0942	Tortkuduk	Sst	M2
0947	Oobagooma-Yampi	Sst	P5
0948	91 Ranger 1 N°1	Unc	P5
0951	Jabiluka 2	Unc	P5
0952	Ranger 1 N°3	Unc	P5
0953	Oberschlema	Gran	J2
0955	Val Vedello	Volc	J2
0977	Prominent Hill	PBx	P6
0979	Nolans Bore	Int	P6
0981	Ace-Fay-Verna	Met	D2
0982	Andrew Lake	Unc	E1
0985	End Grid	Unc	E1
0988	Horseshoe	Unc	D2
0990	Millennium	Unc	D2
0992	P Patch Zone	Unc	D2
0994	Shea Creek-Anne	Unc	D2
0995	Shea Creek-Colette	Unc	D2
0996	Shea Creek-Kianna	Unc	D2
0998	Cluff Lake Dominique-Peter	Unc	D2
0999	Cluff Lake Dominique-Jeanine	Unc	D2
1000	Collins Bay B	Unc	D2
1003	Kiggavik Centre	Unc	E1
1006	Sue C	Unc	D2
1008	Sue E	Unc	D2
1010	Eldorado (Port Radium)	Met	D1
1012	Bagjata	Met	N3
1013	Banduhurang - Turamdih South	Met	N3
1030	Gogi	Gran	M4
1031	Chitrial	Unc	M4
1042	BJ Lake	Unc	D2
1051	Centennial	Unc	D2
1053	Charlebois Lake	Int	D2
1059	Dieter Lake	Bsh	F2
1075	Jacques Lake	Mso	G2
1077	Drope Lake - La Ronge	Int	D2
1078	Lac Cinquante	Met	E1

Dep ID	Dep Name	Dep Type	Grid
1082	Midwest A	Unc	D2
1083	Matoush	Sst	F2
1086	Roughrider	Unc	D2
1091	Mountain Lake	Sst	D1
1099	P2 Main	Unc	D2
1100	Paul Bay	Unc	D2
1110	Tamarack	Unc	D2
1120	Shihongtan	Sst	N2
1121	Zhaohuohao (396)	Sst	O3
1138	Allied Zones	Int	F2
1139	Apple	PQPC	F2
1143	Can-Met	PQPC	E2
1145	Eco Ridge Mine	PQPC	E2
1150	L	Sst	F2
1156	Stanrock	PQPC	E2
1162	Veznice	Met	J2
1165	Luena Basin	LigCo	K5
1166	Musonoi Extension	Met	K5
1168	Siwaqa	Surf	K3
1169	Akdala	Sst	M2
1176	Falea	Sst	I4
1178	Khairkhan	Sst	O2
1179	Ulaan Nuur	Sst	O2
1180	Aussinanis	Surf	J6
1181	Anomaly A (Etango)	Int	J6
1184	Marenica	Surf	J6
1185	Trekkopje	Surf	J6
1187	Arcadie	Sst	J4
1191	Nord Somair	Sst	J4
1192	Taossa	Sst	J4
1193	Teguidda (Ir, G, T)	Sst	J4
1195	Yuti	Sst	G6
1196	Corachapi	Volc	F5
1198	Kemchug	Volc	N2
1200	Ghurayyah	Int	K3
1203	Kuriskova	Volc	K2
1204	Novoveska Huta	Volc	K2
1209	Denny Dalton	PQPC	K6
1210	Dominion Reefs	PQPC	K6
1211	Ezulwini	PQPC	K6
1212	Rietkuil	PQPC	K6
1213	Ryst Kuil	Sst	K6
1214	Springbok Flats	LigCo	K6
1215	Gambuta	Gran	I3

Dep ID	Dep Name	Dep Type	Grid
1218	Duobblon	Volc	J1
1225	Tasjo District	Pho	J1
1231	Dibwe	Sst	K5
1235	Mutanga Main	Sst	K5
1237	Njame	Sst	K5
1238	Severnoye	Mso	P2
1239	Tsentralne	Mso	K2
1240	Novokostyantynivske	Mso	K2
1241	Pidhajtsivske	Mso	K2
1247	Abeta	PQPC	E2
1248	Banana Lake	PQPC	E2
1253	Gaertner	Unc	D2
1254	Millaqua	PQPC	E2
1255	Silvermaque	PQPC	E2
1258	Serule Nw	Sst	K6
1267	Firawa	Met	I4
1268	Kanyika	Int	K5
1269	Garnet Valley	Int	J6
1270	Namib Park	Surf	J6
1272	Oryx (Tumas 3)	Surf	J6
1277	Beisa North	PQPC	K6
1279	Cooke / Old Randfontein Tailings	PQPC	K6
1280	East Rand Consolidated Tailing	PQPC	K6
1283	Potchefstroom Goldfield	PQPC	K6
1285	Southern Free State (4 deposits)	PQPC	K6
1286	Vaal River Tailings	PQPC	K6
1290	Nyota	Sst	K5
1298	North Shore Double S Zone	Int	F2
1299	North Shore Middle Zone	Int	F2
1300	North Shore Tj Zone	Int	F2
1303	Chuquicamata	Int	F6
1307	Oshively	Int	J6
1311	MMS Vicken	Bsh	J1
1313	Sw Reno Creek	Sst	D2
1316	Four Mile East	Sst	P6
1317	Dawson-Hinkler	Surf	P6
1319	Windimurra	Surf	O6
[illegible]	[illegible]	[illegible]	[illegible]
1329	E1 North & South	PBx	Q6
1330	Four Mile West	Sst	P6
1331	Hillview	Surf	O6
1339	Araxa	Int	G5
1342	Olinda	Pho	H5
1343	Pitinga	Int	F5

Dep ID	Dep Name	Dep Type	Grid
1347	Amer Lake- Main Zone	Sst	E1
1351	Moran Lake C Zone	Met	F2
1358	Phoenix	Unc	D2
1359	Pama	Pho	K4
1360	Pato	Pho	K4
1361	Patricia	Int	F6
1367	Sierra Gorda	Int	F6
1368	Chengxian Mine	Bsh	O3
1370	Lantian Mine	Gran	O3
1374	Saima	Met	K5
1377	Berlin	Sst	P6
1378	Brzkov	Met	J2
1383	Pecs	Sst	J2
1390	Tyuya-Muyum	Carb	M2
1395	San Juan De La Costa	Pho	D3
1397	Turgen District	Volc	O2
1398	Ugtam	Volc	O2
1400	Inca	Mso	J6
1401	Imca 25	Sst	J4
1402	Irhawenzegirhan	Sst	J4
1406	Isakanan	Sst	J4
1408	Taunsa	Sst	M3
1409	Colibri 2 & 3	Volc	F5
1413	Abu Tartur	Pho	K3
1414	Akashat	Pho	K3
1415	Elkon	Mso	P2
1416	Elkonskoe Plateau	Mso	P2
1417	Kurung	Mso	P2
1419	Kopanang Mine	PQPC	K6
1421	Sageras-Zona M	Gran	I2
1424	Palmira District	Pho	K3
1429	Antelope	Sst	D2
1431	Aurora	Volc	D2
1432	Bingham Canyon	Int	D2
1442	Black Jack 1 & 2	Sst	D3
1443	Coles Hill North	Mso	F3
1444	Coles Hills South	Mso	F3
1461	Hank Unit	Sst	F2
1462	Hosta Butte	Sst	D3
1465	Juan Tafoya	Sst	D3
1467	Kings Valley	Volc	D2
1468	Los Quatros	Sst	D3
1469	Lost Creek	Sst	D2
1470	Lost Soldier	Sst	D2

Dep ID	Dep Name	Dep Type	Grid
1471	Marquez	Sst	D3
1479	Section 22 (New Mexico)	Sst	D3
1480	Section 23 (New Mexico)	Sst	D3
1481	Section 24 (New Mexico)	Sst	D3
1485	Section 30 (New Mexico)	Sst	D3
1489	Sheep Mountain	Sst	D2
1494	Velvet-Wood Mines	Sst	D3
1495	Virgin Valley	Volc	D2
1503	Tabhing Area	Sst	O4
1505	Malundwe	Met	K5
1508	Double 8	Sst	F4
1515	Lujing District (5 deposits)	Gran	O3
1517	Qianjiadian (2 deposits)	Sst	P2
1520	Serres Basin	LigCo	K2
1521	Inkai South-4	Sst	M2
1525	Onkelo	Int	J6
1526	Bayovar	Pho	E5
1527	Neprokhodimoye	Mso	P2
1532	Goliad	Sst	E3
1534	Hack Canyon 2	CBx	D3
1542	Budennovskoye 2	Sst	M2
1543	Ambassador	LigCo	P6
1544	Emperor	LigCo	P6
1546	Gorgon Main	Sst	K6
1547	Kraken	Sst	K6
1548	Husab - Zone 1	Int	J6
1549	Husab - Zone 2	Int	J6
1550	Shanawah	Sst	M3
1554	Negev Desert District	Pho	K3
1562	Beatrix	PQPC	K6
1563	Kloof Tailings	PQPC	K6
1564	South Deep Mine (Underground)	PQPC	K6
1565	Cooke 1, 2 & 3/Old Randfontein	PQPC	K6
1568	Barber	Sst	D3
1569	Boyer	Sst	D3
1571	Coyote Basin	LigCo	D2
1575	Noah	Sst	D3
1576	North West Taylor	Sst	D3
1579	Ross	Sst	D2
1582	Roca Honda Mine	Sst	D3
1583	Attarat-Wadi Maghar	Pho	K3
1585	Gachin	Volc	L3
1590	Toongi	Int	Q6
1591	Beerwalde-Korbussen	Bsh	J2

Dep ID	Dep Name	Dep Type	Grid
1592	Bernsbach	Gran	J2
1596	Crimmitschauer Fault Zone	Bsh	J2
1597	Drosen	Bsh	J2
1601	Gera Sud	Sst	J2
1604	Kyhna - Schenkenberg	Volc	J2
1605	Lichtenberg	Bsh	J2
1607	Paitzdorf	Bsh	J2
1609	Prehna	Bsh	J2
1611	Schmirchau - Reust	Bsh	J2
1619	Zeitz - Baldenhain	Bsh	J2
1620	Kaynar	Sst	M2
1622	Kharasan 2-South	Sst	M2
1623	Moynkum South	Sst	M2
1624	Mynkuduk Central	Sst	M2
1625	Mynkuduk West	Sst	M2
1626	Chubu	Bsh	P3
1628	Gumsan	Bsh	P3
1632	Yokwang	Bsh	P3
1636	Takardeit	Sst	J4
1637	Tin Negouran	Sst	J4
1641	Zona Pologaya	Mso	P2
1652	Cappers	Surf	P6
1653	Archontovounis	Gran	K2
1656	Alameda	Gran	I2
1659	Haggan	Bsh	J1
1662	Husab - Zone 3	Int	J6
1664	Husab - Zone 4	Int	J6
1665	Great Nolingwa Mine	PQPC	K6
1666	Moab Khotsong	PQPC	K6
1667	Mponeng	PQPC	K6
1671	Majuelos	Gran	I2
1675	Tubas Red Sand	Surf	J6
1694	Carley Bore	Sst	O6
1695	Odin	Mso	P6
1696	Gorgon West	Sst	K6
1697	Gorgon South	Sst	K6
1699	Catalao	Int	G5
1700	Drucourt Zone	Int	F2
1702	J Zone	Unc	D2
1703	Kolmisoppi	Bsh	K1
1704	Kuusilampi	Bsh	K1
1708	Khan Azzabib	Surf	K3
1709	Sadyrnynskoye	Pho	L2
1710	Hyena	Int	J6

Dep ID	Dep Name	Dep Type	Grid
1711	Ondjamba	Int	J6
1712	Miriam	Sst	J4
1713	Isivilla	Volc	F5
1715	Tantamaco	Volc	F5
1717	Jabal Sayid	Int	L3
1725	Phosphoria Formation	Pho	D2
1742	MML-E	Sst	J2
1743	Tuyuk-Suu	LigCo	M2
1755	Carrapateena	PBx	P6
1757	Pepegoona	Sst	P6
1759	San Hilario	Pho	D3
1761	Tembabiche	Pho	D3
1762	UF1	Pho	D3
1763	Gilbat Lafhouda	Int	I3
1764	Twihinate	Int	I3
1765	De Bron	PQPC	K6
1767	Riet Kuil	Sst	K6
1768	Guanaco	Surf	F7
1770	Plumbush	Sst	P6
1772	Serule W	Sst	K6
1774	Radomiro Tomic	Int	F6
1775	A 238	Mso	I3
1776	Ain Sder C1-CJ-CR	Surf	I3
1777	Oued El Foule East	Surf	I3
1778	Oum Ferkik L-K	Surf	I3
1780	Ongolo	Int	J6
1781	Husab - Zone 5	Int	J6
1782	Al Jalamid	Pho	L3
1783	East Ebro Valley (5 deposits)	LigCo	I2
1784	Temrezli	Sst	K3
1791	Bikini	Mso	P6
1793	Millipede	Surf	P6
1796	Rio Cristallino	Sst	G5
1797	Pecors East	PQPC	E2
1798	MA 7	Int	J6
1799	Namibplass	Int	J6
1803	Dulaan Uul	Sst	O2
1805	Lubin-Sieroszowice	Bsh	J2
1810	Congo Pit	Sst	D2
1819	Todilto District	Carb	D3
1821	Igarape Bahia	PBx	G5
1822	Salobo	PBx	G5
1823	Sossego	PBx	G5
1824	J4/Ray	Met	E1

Dep ID	Dep Name	Dep Type	Grid
1826	Zoovch Ovoo	Sst	O2
1829	Ranger Deeps	Unc	P5
1830	Illimaussaq Zone 3	Int	G1
1831	Gabbal Guttar	Gran	K3
1836	Manyoni District-Zone C 1	Surf	K5
1844	Theseus	Sst	P6
1846	Frazer Lake-Zone B	Int	D2
1849	Guyuan	Volc	O3
1850	Hechaokeng	Gran	O2
1851	Kujiertai	Sst	N2
1854	Pannikan	Sst	P6
1855	Pepegoona West	Sst	P6
1856	Buckton Zone	Bsh	D2
1858	Taoshan	Gran	O3
1859	La Banane	Sst	J4
1864	Msne	Sst	J4
1866	Oak Dam	Sst	P6
1868	Maoyangtuo (570)	Met	O3
1869	Wukuerqi	Sst	N2
1872	Plouznice	Sst	J2
1874	Sorensen	Int	G1
1878	Dwaima	Pho	K3
1879	Ethna	Pho	K3
1880	Hirri	Pho	L3
1881	H 3	Pho	K3
1882	Marbat	Pho	L3
1883	Swab	Pho	K3
1885	Ulzitt	Sst	O2
1886	Dajy	Sst	J4
1887	Dasa 1, 2 & 3	Sst	J4
1891	Marby	Bsh	J1
1894	Minjingu	Pho	K5
1911	Kendrick	Sst	D2
1913	Lisbon Mine	Sst	D3
1922	North Reno Creek	Sst	D2
1923	Nose Rock	Sst	D3
1936	Twin Butte	Int	D3
1938	White Canyon District	Sst	D3
1939	Yerington	Int	D3
1941	Buckton South	Bsh	D2
1942	Canuc Zone	PQPC	E2
1943	Milo	PBx	Q6
1945	Gemico Block 3	PQPC	E2
1946	Gemico Block 10	PQPC	E2

Dep ID	Dep Name	Dep Type	Grid
1947	Triple R	Unc	D2
1948	Teasdale Lake Zone	PQPC	E2
1949	Bayinwula	Sst	O2
1951	Shashagetai	Sst	O3
1952	Sunjialiang	Sst	O3
1955	Z 20	Int	J6
1956	Armelle	Sst	J4
1957	Tamani	Sst	J4
1958	Tamgak Deep	Sst	J4
1959	Taverse	Sst	J4
1960	Bloemhoek	PQPC	K6
1961	Cooke 4 (Gauteng)	PQPC	K6
1967	Chattanooga Shale Formation	Bsh	E3
1969	Dibwe East	Sst	K5
1971	Northern Great Plains	LigCo	D2
1972	Happy Valley 2-15	Int	J6
1973	Happy Valley 18	Int	J6
1978	West Rand Tailings (Wrtrp)	PQPC	K6
1979	West Witts Tailings (13 Tailings)	PQPC	K6
1980	Narke	Bsh	J2
1988	Palua	Sst	O4
1989	Parong	Sst	O4
1990	Tebessa District	Pho	J3
1991	Fosse-Pamela	Pho	K4
1992	El Sebaeya East	Pho	K3
1993	Red Sea District	Pho	K3
1994	Chatham Rise	Pho	R7
1995	Gafsa-Metlaoui District	Pho	J3
1996	Binh Duong	Pho	O3
1998	Nong Son	LigCo	O4
2000	Monument Valley District	Sst	D3
2002	Fab Trend	Sst	D2
2007	Billeroo	Sst	P6
2008	Brooks Dam	Sst	Q6
2009	Four Mile North-East	Sst	P6
2029	Arrow	Unc	D2
2032	Gryphon	Unc	D2
2034	Mann Lake	Unc	D2
2040	Léré	Mso	J4
2041	Motzfeldt	Int	G1
2047	La Terraza	Volc	F6
2053	Terraza North	Volc	F6
2054	Tigre I	Volc	F6
2845	Stilfontein	PQPC	K6

Dep ID	Dep Name	Dep Type	Grid
4176	Treviels	Sst	J2
4192	Baltoscandia District	Bsh	K2
4196	Kok Moinok	Gran	M2
4198	Aghracha	Surf	I3
4199	Drag-Al Farnane	Int	I3
4202	Tarfaya Basin	Bsh	I3
4203	Timahdit Basin	Bsh	I3
4204	Welwitschia Flats	Surf	J6
4210	Chilcuno Chico	Volc	F5
4212	Quebradra Blanca	Volc	F5
4221	Al Khabra	Pho	K3
4222	Umm Wu'Al	Pho	K3
4223	Blyvooruitzicht Mine	PQPC	K6
4224	Daggafontein Mine	PQPC	K6
4226	Doornfontein	PQPC	K6
4228	Driefontein Tailings	PQPC	K6
4236	Ergo	PQPC	K6
4238	Freddies	PQPC	K6
4241	Luipaardsvlei	PQPC	K6
4243	Vaal Reefs Mine	PQPC	K6
4244	Virginia	PQPC	K6
4250	West Rand Consolidated Mine	PQPC	K6
4258	Cliffside Mine	CBx	D3
4261	Round Top	Int	D3
4265	Pilanesberg - Ledig Zone	Int	K6
4266	Krasnoselskoye	Bsh	K2
4267	Kotlovskoye	Bsh	K2
4268	Durban (Roodeport) Deep	PQPC	K6
4269	Kosachinoye	Met	M2
4270	El Sebaeya West	Pho	K3
4271	Mecsec Mine	Sst	J2
4272	Saaiplaas	PQPC	K6
4273	Deelkraal	PQPC	K6
4274	Mabounie	Int	J5
4275	Jeanette	PQPC	K6
4276	Fox Lake	Unc	D2
4277	Bytiz 4, 22-40	Gran	J2
4278	Engenho	Mso	G5
4279	Smaldeel	PQPC	K6
4280	Afrikander	PQPC	K6
4281	Zheltorechenske	Mso	K2
4282	Da Rabicha	Mso	G5
4283	Hamr South (Hamr II)	Sst	J2
4284	Bukinay South	Sst	M2

Dep ID	Dep Name	Dep Type	Grid
4285	Cristalino	PBx	G5
4286	Khamsin	PBx	P6
4287	Cachoeira	Mso	G5
4288	Kalbasfontein	PQPC	K6
4289	Litne	Mso	K2
4290	Balkovskoye	Pho	L2
4291	Mengqiguer 2	Sst	N2
4292	Zuurbekom	PQPC	K6
4293	Ebene	Sst	J4
4294	Modesto	Mso	G5
4295	Elandsrand	PQPC	K6
4296	Aquelt Assfaya	Surf	I3
4297	Ernest Henry	PBx	Q6
4298	Hakkies	PQPC	J6
4299	Phoenix	PQPC	K6
4300	Puissagtaq	Gran	G1
4301	Sutherland 2	Sst	K6
4302	Juzkuduk	Sst	M3
4303	Lesetice	Gran	J2
4304	Rhenosterroek	PQPC	K6
4305	Ergo Tailings	PQPC	K6
4306	Middle Dome	Int	J6
4307	Zvezdnoye	Met	M2
4308	Banadungri-Sinidungri	Met	N3
4309	Area 1 East	PQPC	K6
4310	Doornrivier	PQPC	K6
4311	Bofal-Loubboira	Pho	I4
4312	Alemao	PBx	G5
4313	Zhuravlinoye	Volc	O2
4314	Holicky	Sst	J2
4315	Hnatvske	Mso	K2
4316	Yurivske	Mso	K2
4317	Partyzanske	Mso	K2
4318	Pivdennokonoplyanske	Mso	K2
4319	Pivnichnokonoplyanske	Mso	K2
4320	Dokuchaevske	Mso	K2
4321	Kvitneve	Mso	K2
4322	Schorsivske	Mso	K2
4323	Lelekivske	Mso	K2
4324	Hannivka	Mso	K2
4325	Lisne	Mso	K2
4326	Kremenchugske	Mso	K2
4327	Jeruzalem	Gran	J2
4328	Melkraals	PQPC	J6

Dep ID	Dep Name	Dep Type	Grid
4329	Grootvlei Tailings	PQPC	K6
4330	Baimadong	Carb	O3
4331	Kareeport	Sst	K6
4332	Fochville	PQPC	K6
4333	Krizani	Sst	J2
4334	Boztauskaya	Bsh	M2
4335	Tushinskoye	Met	M2
4336	Mestena Grande	Sst	E3
4337	Haanekuil	Sst	K6
4338	Vermeulenskraal North	PQPC	K6
4339	Moab Extension	PQPC	K6
4340	Sarydjaz	Bsh	M2
4341	Robijn	PQPC	K6
4342	Salem	Int	J6
4343	Elandsfontein	Sst	K6
4344	Tshepong	PQPC	K6
4345	Phakisa	PQPC	K6
4346	Brod	Gran	J2
4347	Weltevreden	PQPC	K6
4348	Pocos De Caldas-Agostino	Int	G6
4349	Graben	Sst	F7
4350	Kyzyl	Volc	M2
4351	Das Quebradas	Mso	G5
4352	Laranjeiras	Mso	G5
4353	Prudovoye	Pho	L2
4354	Buratinskoye South	Pho	L2
4355	Bagaburulskoye NE	Pho	L2
4356	Kharabulukskoye North	Pho	L2
4357	Bagaburulskoye	Pho	L2
4358	Nugrinskoye	Pho	L2
4359	Bogorodskoye	Pho	L2
4360	Shargadykskoye	Pho	L2
4361	Yashkulskoye	Pho	L2
4362	Centralnoye	Pho	L2
4363	Troitskoye	Pho	L2
4364	Abou Skhair	Carb	L3
4365	Wangjiachong	Sst	O3
4366	Sirotininsk	Sst	O2
4367	Smolenskoye	Sst	N2
4368	Chasovoye	Gran	O2
4369	Korolevskoye	Gran	O2
4370	Bystroye	Sst	N2
4371	Bashibulak	Sst	M3
4372	Nekrakovskoye	Pho	L2

Dep ID	Dep Name	Dep Type	Grid
4373	Vranov	Sst	J2
4374	Smi Potok	Sst	J2
4375	Pavlin	Sst	J2
4376	Xinwu Basin (5 deposits)	Sst	O3
4377	Arnold	Sst	J4
4378	Aride	Sst	J4
4379	Yarkuduk	Sst	M3
4380	Istiklol	Sst	M2
4381	Wuhisan	Sst	N2
4382	Wuhier	Sst	N2
4383	North Tamdinskaya	Bsh	M2
4384	Wuyiyi	Sst	N2
4385	Baxingtu	Sst	P2
4386	Kenze	Sst	M2
4387	Likhmanovske	Mso	K2
4388	YGOK	Mso	K2
4389	Stetchovskaya	Mso	K2
4390	Krasnogvardeiske	Mso	K2
4391	Annovske	Mso	K2
4392	Kirovskii	Mso	K2
4393	Stankovatskaya	Mso	K2
4394	Kurnikoskoye-W	Mso	K2
4395	Stepne	Mso	K2
4396	Novopavdovske	Mso	K2
4397	Manuiylivske	Mso	K2
4398	Steblevskaya	Mso	K2
4399	Podgaitsevskoye	Mso	K2
4400	Andriiivske	Mso	K2
4401	Kohanivske	Mso	K2
4402	Rand Proprietary M Tailings	PQPC	K6
4403	Honghaigou	Sst	N2
4404	Tamdikuduk-Tulyantashkaya	Sst	M3
4405	Masimong	PQPC	K6
4406	South Deep Mine (Tailings)	PQPC	K6
4407	Vredefort	PQPC	K6
4408	Gurvanbulak Intermediate Zone	Volc	O2
4409	Plateau West	Sst	F7
4410	Fraserburg 2	Sst	K6
4411	Fraserburg	Sst	K6
4412	Mazarete Extension W (Zona II)	Sst	I2
4413	Pirna	Sst	J2
4414	Tierhoek	Sst	K6
4415	Vermeulenskraal	PQPC	K6
4416	St Helena Tailings	PQPC	K6

IAEA International Atomic Energy Agency

WORLD DISTRIBUTION OF PHOSPHATE URANIUM DEPOSITS

SECOND EDITION: 2018

Scale 1: 35 000 000

Kilometres 500 0 500 1,000 1,500 2,000 Kilometres

Mercator Projection: Central Meridian 10°

Map production by M.C. Fairclough (IAEA), J.A. Irvine (Australia), L.F. Katona (Australia) and W.L. Slimmon (Canada). World Distribution of Uranium Deposits, International Atomic Energy Agency, Vienna, Austria. Cartographic assistance was supplied by the Geological Survey of South Australia, the Saskatchewan Geological Survey and United States Geological Survey to the IAEA.

Deposit data derived from IAEA UDEPO (http://infcis.iaea.org/UDEPO/About.cshtml) database with assistance from P. Bruneton (France), M. Mihalasky (U.S.A.), M. Cuney (France), M. Aranha (IAEA), O. Pylypenko (IAEA) and K. Poliakovska (IAEA). The map is an updated companion to "World Distribution of Uranium Deposits (UDEPO) with Uranium Deposit Classification, IAEA Tech-Doc-1629" and "World Distribution of Uranium Deposits (UDEPO) 2016 Edition, IAEA Tec-Doc in-preparation". Map data is current to beginning 2017.

Geology was derived from L.B. Chorlton, Generalized Geology of the World, Geological Survey of Canada, Open File 5529, 2007 under Open Government Licence - Canada (http://data.gc.ca/eng/open-government-licence-canada)

Coastlines and drainage were obtained from Natural Earth public domain vector map data (http://www.naturalearthdata.com/about/terms-of-use). Country boundaries are from the United Nations² (http://www.un.org/Depts/Cartographic/english/htmain.htm). The use of particular designations of countries or territories does not imply any judgement by the publisher, the IAEA, as to the legal status of such countries or territories, of their authorities and institutions or of the delimitation of their boundaries. Dotted line represents approximately the Line of Control in Jammu and Kashmir agreed upon by India and Pakistan. The final status of Jammu and Kashmir has not yet been agreed upon by the parties. Final boundary between the Republic of Sudan and the Republic of South Sudan has not yet been determined.

Deposit Type	Deposit Subtype	Deposit Size (tU original or produced+remaining resource) < 1 000	1 001 - 5 000	5 001 - 25 000	25 001 - 100 000	> 100 000
1. Intrusive (Int)	Anatectic					
	Plutonic[1]					
2. Granite-related (Gran)	Endogranitic					
	Perigranitic					
3. Polymetallic Fe oxide breccia complex[1] (PBx)						
4. Volcanic-related (Volc)	Stratabound					
	Structure-bound					
	Volcano-sedimentary					
5. Metasomatite (Mso)	Na-metasomatite					
	K-metasomatite					
	Skarn					
6. Metamorphite (Met)	Stratabound					
	Structure-bound					
	Marble-hosted					
7. Proterozoic unconformity (Unc)	Unconformity-contact					
	Basement-hosted					
	Stratiform fracture-controlled					
8. Collapse breccia pipe (CBx)						
9. Sandstone (Sst)	Basal channel					
	Tabular					
	Roll-front					
	Tectonic-lithologic					
	Mafic dykes/sills					
10. Paleo quartz-pebble conglomerate (PQPC)	U-dominant					
	Au-dominant[1]					
11. Surficial (Surf)	Peat-bog					
	Fluvial valley					
	Lacustrine-playa					
	Pedogenic and fracture fill					
12. Lignite-coal[1] (LigCo)	Stratiform					
	Fracture controlled					
13. Carbonate (Carb)	Stratabound					
	Cataclastic					
	Paleokarst					
14. Phosphate[1] (Pho)	Organic phosphorite					
	Microchemical phosphorite					
	Continental phosphate					
15. Black shale (BSh)	Stratiform					
	Stockwork					

- Undifferentiated and unverified Uranium occurrence with no known resource estimation
- Undifferentiated Thorium deposit and occurrence from IAEA ThDEPO database

The Dep IDs are unique deposit identification numbers corresponding to the IAEA UDEPO database records. A deposit is defined as there is known to be a resource estimation undertaken. If the exact estimation is unknown, an estimated range is generated by IAEA. This is particularly so with unconventional resources[1] from which uranium is present at very low grades and/or only recoverable as a minor by-product using special processing techniques. Resources shown are not current remaining resources, but are the maximum of original geological resource, production figures or remaining resources at the lowest available cut-off grade. They include historic resources, and so may not be compliant with contemporary reporting standards and are not endorsed by IAEA as such. Where available, resource estimations for individual discrete ore zones are shown. Where this is not possible, some aggregation of resources are necessary. No economic or financial inferences with respect to recoverability of uranium are intended. The list of deposits is not exhaustive or current. There are 2831 deposits shown on the face of the map, but only those 102 greater than 100 000tU, or currently producing uranium, are named. Other deposits greater than 2500tU (863 deposits) are numbered, and along with larger or producing deposits, are listed below the map face. All other deposits (1866) 2500tU or less are only shown as symbols with no annotation but can be queried as described in https://helpx.adobe.com/acrobat/using/geospatial-pdfs.html.

Map Legend

- Populated place
- Railroad
- Road
- Country boundary²
- Fault trace

Lithology

- Metamorphic rocks
- Intrusive rocks
- Sedimentary and volcanic rocks
- Sedimentary rocks
- Tectonized rocks
- Volcanic and intrusive rocks
- Volcanic rocks

Era

- Holocene and Recent ice cap
- Cenozoic
- Mesozoic
- Paleozoic
- Neoproterozoic
- Mesoproterozoic
- Paleoproterozoic
- Proterozoic (undifferentiated)
- Archean and Proterozoic

Dep ID	Dep Name	Dep Type	Grid
0001	Abankor	Met	J3
0004	Timgaouine	Gran	J3
0005	Tinef	Met	J3
0006	Cerro Solo	Sst	F7
0011	Rodolfo	Sst	F6
0014	Angela	Sst	P6
0017	Ben Lomond	Volc	Q5
0018	Bennetts Well	Sst	O6
0019	Beverley	Sst	P6
0020	Bigrlyi	Sst	P6
0022	Centipede	Surf	P6
0029	Goulds Dam	Sst	P6
0032	Honeymoon	Sst	Q6
0033	Huarabagoo	Sst	P5
0034	Jabiluka 1	Unc	P5
0035	Junnagunna	Sst	P5
0036	Kintyre	Unc	P6
0037	Koongarra 1	Unc	P5
0038	Lake Maitland	Surf	P6
0041	Lake Way	Surf	P6
0043	Manyingee	Sst	O6
0044	Mary Kathleen	Mso	Q6
0047	Mount Gee	PBx	P6
0050	Nabarlek	Unc	P5
0051	Napperby	Surf	P6
0052	Nowthana	Surf	O6
0053	Olympic Dam	PBx	P6
0059	Ranger 68	Unc	P5
0060	Redtree	Sst	P5
0062	Skal	Mso	P6
0064	Thatcher Soak West	Surf	P6
0068	Valhalla	Mso	P6
0070	Warrior	Sst	P6
0073	Yeelirrie	Surf	O6
0075	Amorinopolis	Sst	G5
0077	Espinharas	Mso	H5
0078	Figueira	Sst	G6
0079	Gandarela	PQPC	G6
0080	Itataia-Santa Quiteria District	Met	H5
0082	Pocos De Caldas - Cercado	Int	G6
0083	Serra Das Gaivotas	PQPC	G6
0089	Eleshnitza District	Sst	K2
0104	Simitli	Sst	K2
0109	Agnew Lake	PQPC	E2
0112	Blizzard	Sst	D2
0113	Cigar Lake	Unc	D2
0116	Collins Bay A	Unc	D2
0117	Cluff Lake D	Unc	D2
0118	Dawn Lake	Unc	D2
0119	Denison Mine	PQPC	E2
0122	Eagle Point	Unc	D2
0124	Gunnar	Mso	D2
0126	Deilmann	Unc	D2
0127	Kiggavik Main	Unc	E1
0130	Madawaska	Int	F2
0132	Mcarthur River	Unc	D2
0133	Mcclean Lake Pods	Unc	D2
0134	Michelin	Mso	G2
0135	Midwest	Unc	D2
0136	Nordic	PQPC	E2
0137	Lacnor	PQPC	E2
0138	Panel Mine	PQPC	E2
0139	Spanish American	PQPC	E2
0141	Quirke	PQPC	E2
0142	Milliken	PQPC	E2
0143	Rabbit Lake	Unc	D2
0144	Raven	Unc	D2
0147	Stanleigh	PQPC	E2
0155	Kitongo	Mso	J4
0157	Beimianshi	Volc	O3
0160	Chanziping	Bsh	O3
0170	Lianshanguan-Benxi Mine	Mso	P2
0172	Nuheting	Sst	O2
0175	Chengzishan (381)	Sst	N3
0179	Xiazhuang District (16 deposits)	Gran	O3
0180	Xiangshan District (11 deposits)	Volc	O3
0181	Brevniste	Sst	J2
0184	Hamr North (Hamr I)	Sst	J2
0185	Horni Slavkov District (10 deposits)	Gran	J2
0186	Hvezdov	Sst	J2
0187	Jachymov District (12 mines)	Gran	J2
0191	Mimon	Sst	J2
0193	Olsi-Dranonin	Met	J2
0194	Osecna-Kotel	Sst	J2
0196	Rozna	Met	J2
0197	Straz	Sst	J2
0198	Vitkov II	Gran	J2
0200	Zadni Chodov	Gran	J2
0201	Kvanefjeld	Int	G1
0210	Bellezane	Gran	J2
0213	Coutras	Sst	J2
0220	Commanderie (La)	Gran	I2
0221	Bernardan (Le)	Gran	J2
0223	Chardon (Le)	Gran	I2
0225	Bois Noirs (Les)	Gran	J2
0231	Mas Lavayre	Sst	J2
0232	Margnac-Peny	Gran	J2
0239	Bagombé	Sst	J5
0242	Mounana	Sst	J5
0244	Oklo	Sst	J5
0247	Culmitzsch	Sst	J2
0248	Freital-Gittersee	LigCo	J2
0250	Johanngeorgenstadt	Gran	J2
0251	Koenigstein	Sst	J2
0255	Niederschlema-Alberoda ore field	Gran	J2
0257	Tellerhäuser	Gran	J2
0259	Zobes	Gran	J2
0261	Bhatin	Met	N3
0262	Domiasiat (KPN)	Sst	N3
0263	Jaduguda	Met	N3
0266	Narwapahar	Met	N3
0268	Rohil	Mso	M3
0269	Tummalapalle - Rachakuntapalle	Carb	M4
0270	Turamdih	Met	N3
0272	Wahkyn	Sst	N3
0273	Peddagattu	Unc	M4
0274	Remaja-Hitam	Met	O5
0277	**Al Abiad-Al Wady**	**Pho**	**K3**
0278	**Al Hassa - Al Qatrana**	**Pho**	**K3**
0279	**Al Shedeye - Eshidia**	**Pho**	**K3**
0280	**Ruseifa**	**Pho**	**K3**
0282	Tono District (4 Deposits)	Sst	P3
0283	Agashskoye	Met	M2
0285	Assarchik	Sst	M2
0286	Balkashinskoye	Volc	M2
0289	Botaburum	Volc	M2
0290	Budennovskoye 1, 3 & 4	Sst	M2
0291	Burlukskoye	Met	M2
0292	Chaglinskoye	Met	M2
0294	Daba	Volc	M2
0297	Dzhusandalynskoye	Gran	M2
0298	Dzhidely	Volc	M2
0299	Fevralskoye	Met	M2
0300	Glubinnoye	Met	M2
0301	Grachevskoye	Met	M2
0303	Inkai 1, 2 & 3	Sst	M2
0304	Irkol	Sst	M2
0305	Ishimskoye	Met	M2
0306	Kamyshevoye	Met	M2
0307	Kanzhugan	Sst	M2
0308	Karakoyn	Sst	M2
0309	Karamurun North	Sst	M2
0310	Karamurun South	Sst	M2
0311	**Karyntarynskoye**	**Pho**	**L2**
0313	Kharasan 1-North	Sst	M2
0315	Koldzhat	LigCo	N2
0321	Kyzylsay District (8 deposits)	Volc	M2
0323	Kyzyltu	Sst	M2
0326	Manybaiskoye	Volc	M2
0327	**Melovoye**	**Pho**	**L2**
0328	Moynkum Central	Sst	M2
0329	Mynkuduk East	Sst	M2
0330	Nizhneylyiskoye	LigCo	M2
0333	Semizbai	Sst	M2
0335	Shokhpak	Met	M2
0336	Sholak-Espe	Sst	M2
0338	Slavyanskoye	Met	M2
0339	Suluchekinskoye	Sst	M2
0342	**Tasmurunskoye**	**Pho**	**L2**
0344	**Taybagarskoye**	**Pho**	**L2**
0345	**Tomakskoye**	**Pho**	**L2**
0347	Uvanas	Sst	M2
0348	Victorovskoye	Met	M2
0349	Vostok	Met	M2
0352	Zarechnoye	Sst	M2
0353	Zaozernoye	Met	M2
0354	Zhalpak	Sst	M2
0355	Zhautkan	Sst	M2
0356	Zvyozdnoe	Met	M2
0357	Maylisay	Carb	M2
0358	Mailuu-Suu	Carb	M2
0360	Turakavak	LigCo	M2
0367	La Sierrita	Sst	E3
0371	**Santo Domingo**	**Pho**	**D3**
0372	Kayelekera	Sst	K5
0373	Dornod District (12 deposits)	Volc	O2
0374	Gurvanbulak Central Zone	Volc	O2
0375	Kharaat	Sst	O2
0379	**Gantour Basin**	**Pho**	**I3**
0380	**Oulad Abdoun Basin**	**Pho**	**I3**
0381	**Meskala Basin**	**Pho**	**I3**
0382	**Oued Eddahab Basin**	**Pho**	**I3**
0387	Klein Trekkopje	Surf	J6
0388	Langer Heinrich	Surf	J6
0390	Rossing	Int	J6
0391	Tumas	Surf	J6
0392	Valencia	Int	J6
0394	Ebba Nord	Sst	J4
0395	Ebba Sud	Sst	J4
0396	Akola	Sst	J4
0397	Akouta Nord	Sst	J4
0398	Akouta Sud	Sst	J4
0399	Ariege	Sst	J4
0401	Arlette	Sst	J4
0403	Artois	Sst	J4
0404	Abakorum	Sst	J4
0405	Imouraren	Sst	J4
0407	Tamou	Sst	J4
0408	Taza Nord	Sst	J4
0420	Rajsk	Bsh	K2
0428	Nisa	Gran	I3
0432	Urgeirica	Gran	I2
0435	Shinkolobwe-Kasolo	Met	K5
0439	Baita Bihor	Sst	K2
0445	Crucea	Met	K2
0447	Dobrei South	Sst	K2
0456	Tulghes-Grinties	Met	K2
0460	Antei	Volc	O2
0461	Argunskoye	Volc	O2
0463	Badyelskoye	LigCo	L1
0466	Belskoje	LigCo	K2
0468	Beryozovoye	Gran	O2
0469	Beshtaugorskoye	Volc	L2
0472	Briketno-Zheltuhinskoye	LigCo	K2
0474	Buyanovskoye	Sst	O2
0477	Bytuguchag	Gran	Q1
0479	Chaplinskoye	LigCo	S1
0482	Crystalnoye	Gran	O2
0483	Dalneye	Volc	O2
0484	Dobrovolnoye	Sst	M2
0485	Dolmatovskoye	Sst	M2
0486	Druzhnoye	Mso	P2
0487	Dybryn	Sst	O2
0492	Gornoye	Gran	O2
0493	Imskoye	Sst	O2
0494	Interesnoye	Mso	P2
0497	Karhu	Unc	K1
0500	Kedrovoye	Sst	N1
0503	Khiagdinskoye	Sst	O2
0504	Khokhlovskoye	Sst	M2
0505	Kolichikan	Sst	O2
0507	Koretkondinskoye	Sst	O2
0508	Kosmozero	Mso	K1
0513	Lastochka	Volc	P2
0515	Luchistoye	Volc	O2
0516	Malinovskoye	Sst	N2
0517	Malo-Tulukuevskoye	Volc	O2
0518	Martovskoye	Volc	O2
0520	Meridionalnoye	Sst	O2
0522	Namaru	Sst	O2
0524	Novogodneye	Volc	O2
0526	Oktyabrskoye	Volc	O2
0527	Olovskoye	Volc	O2
0528	Osenneye	Met	K1
0530	Prigorodnoye	Sst	N2
0531	Primorskoye	Sst	N2
0533	Pyatilentneye	Volc	O2
0534	Rodionovskoye	Surf	O2
0537	Repyevskoye	Carb	L2
0538	Rjabinovoye	Volc	N2
0539	Sanarskoye	Surf	M2
0544	Shirondukuevskoye	Volc	O2
0550	Srednaya Padma	Mso	K1
0551	**Stepnovskoye**	**Pho**	**L2**
0553	Stepnoye	Sst	O2
0555	Streltsovskoye	Volc	O2
0559	Tetrakhskoye	Sst	O2
0562	Tsarevskoye	Mso	K1
0564	Tulukuevskoye	Volc	O2
0566	Ust-Uyukskoye	Sst	N2
0568	Vershinnoye	Sst	O2
0573	Vitlandskoye	Surf	O2
0576	Yubileinoye	Volc	O2
0578	Yugo-Zapadnoye	Volc	O2
0580	Zheglovskoye	Sst	O2
0581	Zherlovoye	Volc	O2
0583	Zjulzinskoye	Sst	O2
0585	Blyvooruitzicht Tailings	PQPC	K6
0586	Buffelsfontein	PQPC	K6
0587	Chemwes-Stilfontein	PQPC	K6
0588	Driefontein Mine	PQPC	K6
0589	Free State Geduld	PQPC	K6
0590	Harmony	PQPC	K6
0591	Hartebeestfontein	PQPC	K6
0592	Loraine	PQPC	K6
0593	Phalabora	Int	K6
0594	President Brand Mine	PQPC	K6
0595	President Steyn	PQPC	K6
0597	Oryx Mine (Beatrix West Section)	PQPC	K6
0599	Western Rand Tailings	PQPC	K6
0600	Western Areas Mine	PQPC	K6
0601	Western Deep Levels Mine	PQPC	K6
0602	Western Holdings	PQPC	K6
0603	Alio Ghelle	Mso	L4
0604	Dusa Mareb-El Bur District	Surf	L4
0606	Zirovski Vrh	Sst	J2
0616	Mina Fe	Gran	I2
0618	Retortillo	Gran	I2
0622	Ranstad	Bsh	J2
0625	Bailik	Bsh	L2
0626	Sernoye	Sst	L2
0632	Yozgat-Sorgun	Sst	K3
0633	Adamivske	LigCo	K2
0638	Kalynivske	Int	K2
0642	Michurinske	Mso	K2
0646	Pershotravneve	Mso	K2
0648	Safonivske	Sst	K2
0649	Severinivske	Mso	K2
0651	Vatutinske	Mso	K2
0652	Yuzhnoye	Int	K2
0653	Zhovtorichenske	Mso	K2
0655	Alta Mesa	Sst	E3
0656	Alta Verde	Sst	E3
0657	Ambrosia Lake District (Dysart)	Sst	D3
0658	Anderson Mine	Volc	D3
0660	Bear Creek Mines	Sst	D2
0662	Bernabe-Montano District	Sst	D3
0663	Big Buck / Velvet	Sst	D3
0664	Big Eagle Phase2/Green Mountain	Sst	D2
0666	Marsland Big Red	Sst	D3
0670	Borrego Pass	Sst	D3
0675	Butler-Weddington	Sst	E3
0680	**Central Florida District**	**Pho**	**E3**
0683	Christensen Ranch	Sst	D2
0684	Churchrock - Section 4	Sst	D3
0686	Clay West	Sst	E3
0688	Copper Mountain	Gran	D2
0689	Crooks Gap District	Sst	D2
0690	Crow Butte	Sst	D2
0691	Crownpoint	Sst	D3
0694	Dewey-Burdock	Sst	D2
0695	**East Florida District**	**Pho**	**E3**
0696	East Gas Hills	Sst	D2
0699	Fernandez Main Ranch	Sst	D3
0701	Jackpot Mine	Sst	D2
0704	Hansen	Sst	D3
0710	Highland	Sst	D2
0711	Holiday-El Mesquite	Sst	E3
0713	Irigaray	Sst	D2
0716	Jackpile - Paguate	Sst	D3
0722	Kingsville Dome	Sst	E3
0723	L-Bar Ranch	Sst	D3
0724	La Jara Mesa	Sst	D3
0728	Lee	Sst	D3
0729	Deremo Mine	Sst	D3
0732	Long Park	Sst	D3
0735	Lucky Mc Mine	Sst	D2
0737	Mancos-Sections 7-12	Sst	D3
0738	Mariano Lake	Sst	D3
0743	Mi Vida	Sst	D3
0744	Midnite	Gran	D2
0745	Monogram Mesa	Sst	D3
0751	Mount. Taylor Mine	Sst	D3
0752	Narrow Canyon	Sst	D3
0756	North Butte / Brown Ranch	Sst	D2
0757	**North Florida District**	**Pho**	**E3**
0758	**Northeast Florida District**	**Pho**	**E3**
0763	Pandora	Sst	D3
0764	Panna Maria	Sst	E3
0767	Petrotomics / Dave	Sst	D2
0771	Pitch Mine	Met	D3
0775	West Reno Creek	Sst	D2
0776	Rhode Ranch District	Sst	E3
0777	Rio Puerco	Sst	D3
0781	Ruby	Sst	D3
0785	Saint Anthony/M-6	Sst	D3
0789	Schwartzwalder Mine	Met	D3
0792	Sherwood Mine	Sst	D2
0794	Shirley Basin Mine	Sst	D3
0796	Slick Rock District	Sst	D3
0797	Smith Ranch	Sst	D2
0798	**South Florida District**	**Pho**	**E3**
0799	South Morton Ranch	Sst	D2
0802	Sweetwater Mine	Sst	D2
0803	Taylor Ranch	Sst	D3
0805	Tony M	Sst	D3
0809	Atkinson Mesa District	Sst	D3
0810	Vanadium	Sst	D3
0812	West Gas Hills	Sst	D2
0813	West Largo	Sst	D3
0814	Whiskey Peak / Green Mountain	Sst	D2
0815	Agron	Sst	M3
0816	Aktau	Sst	M2
0817	Alatanga	Volc	M2
0818	Alendy	Sst	M2
0820	Aulbek	Sst	M2
0823	Beshkak	Sst	M2
0824	Bukinay North	Sst	M2
0826	Chauli	Volc	M2
0827	Dzhantuar	Bsh	M2
0828	Kenimekh	Sst	M2
0830	Kendyktjube	Sst	M2
0831	Ketmenchi	Sst	M3
0833	Lyavlyakan	Sst	M2
0835	Meylysai	Sst	M3
0836	Nagornoye	Sst	M3
0837	Rudnoye	Bsh	M2
0838	Sabyrsay	Sst	M3
0839	Severny Kanimekh	Sst	M2
0841	Shark	Sst	M3
0842	Sugraly	Sst	M2
0845	Tutlyinskaya	Sst	M3
0846	Uchkuduk	Sst	M2
0847	Ulus	Sst	M3
0849	Yuzhny Bukinai	Sst	M2
0851	Khe Hoa-Khe Cao	Sst	O4
0890	Tabelle	Sst	J4
0891	Taza Sud	Sst	J4
0892	Takriza	Sst	J4
0893	Tamgak	Sst	J4
0895	Marianne - Maryline	Sst	J4
0929	Church Rock - Section 8 and 17	Sst	D3
0930	Peach	Sst	D2
0932	Reynolds Ranch	Sst	D2
0942	Tortkuduk	Sst	M2
0947	Oobagooma-Yampi	Sst	P5
0948	91 Ranger 1 N°1	Unc	P5
0951	Jabiluka 2	Unc	P5
0952	Ranger 1 N°3	Unc	P5
0953	Oberschlema	Gran	J2
0955	Val Vedello	Volc	J2
0977	Prominent Hill	PBx	P6
0979	Nolans Bore	Int	P6
0981	Ace-Fay-Verna	Met	D2
0982	Andrew Lake	Unc	E1
0985	End Grid	Unc	E1
0988	Horseshoe	Unc	D2
0990	Millennium	Unc	D2
0992	P Patch Zone	Unc	D2
0994	Shea Creek-Anne	Unc	D2
0995	Shea Creek-Colette	Unc	D2
0996	Shea Creek-Kianna	Unc	D2
0998	Cluff Lake Dominique-Peter	Unc	D2
0999	Cluff Lake Dominique-Jeanine	Unc	D2
1000	Collins Bay B	Unc	D2
1003	Kiggavik Centre	Unc	E1
1006	Sue C	Unc	D2
1008	Sue E	Unc	D2
1010	Eldorado (Port Radium)	Met	D1
1012	Bagjata	Met	N3
1013	Banduhurang - Turamdih South	Met	N3
1030	Gogi	Gran	M4
1031	Chitrial	Unc	M4
1042	BJ Lake	Unc	D2
1051	Centennial	Unc	D2
1053	Charlebois Lake	Int	D2
1059	Dieter Lake	Bsh	F2
1075	Jacques Lake	Mso	G2
1077	Drope Lake - La Ronge	Int	D2
1078	Lac Cinquante	Met	E1
1082	Midwest A	Unc	D2
1083	Matoush	Sst	F2
1086	Roughrider	Unc	D2
1091	Mountain Lake	Sst	D1
1099	P2 Main	Unc	D2
1100	Paul Bay	Unc	D2
1110	Tamarack	Unc	D2
1120	Shihongtan	Sst	N2
1121	Zhaohuohao (396)	Sst	O3
1138	Allied Zones	Int	F2
1139	Apple	PQPC	F2
1143	Can-Met	PQPC	E2
1145	Eco Ridge Mine	PQPC	E2
1150	L	Sst	F2
1156	Stanrock	PQPC	E2
1162	Veznice	Met	J2
1165	Luena Basin	LigCo	K5
1166	Musonoi Extension	Met	K5
1168	Siwaqa	Surf	K3
1169	Akdala	Sst	M2
1176	Falea	Sst	I4
1178	Khairkhan	Sst	O2
1179	Ulaan Nuur	Sst	O2
1180	Aussinanis	Surf	J6
1181	Anomaly A (Etango)	Int	J6
1184	Marenica	Surf	J6
1185	Trekkopje	Surf	J6
1187	Arcadie	Sst	J4
1191	Nord Somair	Sst	J4
1192	Taossa	Sst	J4
1193	Teguidda (Ir, G, T)	Sst	J4
1195	Yuti	Sst	G6
1196	Corachapi	Volc	F5
1198	Kemchug	Volc	N2
1200	Ghurayyah	Int	K3
1203	Kuriskova	Volc	K2
1204	Novoveska Huta	Volc	K2
1209	Denny Dalton	PQPC	K6
1210	Dominion Reefs	PQPC	K6
1211	Ezulwini	PQPC	K6
1212	Rietkuil	PQPC	K6
1213	Ryst Kuil	Sst	K6
1214	Springbok Flats	LigCo	K6
1215	Gambuta	Gran	I3
1218	Duobblon	Volc	J1
1225	**Tasjo District**	**Pho**	**J1**
1231	Dibwe	Sst	K5
1235	Mutanga Main	Sst	K5
1237	Njame	Sst	K5
1238	Severnoye	Mso	P2
1239	Tsentralne	Mso	K2
1240	Novokostyantynivske	Mso	K2
1241	Pidhajtsivske	Mso	K2
1247	Abeta	PQPC	E2
1248	Banana Lake	PQPC	E2
1253	Gaertner	Unc	D2
1254	Millaqua	PQPC	E2
1255	Silvermaque	PQPC	E2
1258	Serule Nw	Sst	K6
1267	Firawa	Met	I4
1268	Kanyika	Int	K5
1269	Garnet Valley	Int	J6
1270	Namib Park	Surf	J6
1272	Oryx (Tumas 3)	Surf	J6
1277	Beisa North	PQPC	K6
1279	Cooke / Old Randfontein Tailings	PQPC	K6
1280	East Rand Consolidated Tailing	PQPC	K6
1284	Potchefstroom Goldfield	PQPC	K6
1285	Southern Free State (4 deposits)	PQPC	K6
1286	Vaal River Tailings	PQPC	K6
1290	Nyota	Sst	K5
1298	North Shore Double S Zone	Int	F2
1299	North Shore Middle Zone	Int	F2
1300	North Shore Tj Zone	Int	F2
1303	Chuquicamata	Int	F6
1307	Oshively	Int	J6
1311	MMS Vicken	Bsh	J1
1313	Sw Reno Creek	Sst	D2
1316	Four Mile East	Sst	P6
1317	Dawson-Hinkler	Surf	P6
1319	Windimurra	Surf	O6
1327	Blackbush	Sst	P6
1329	E1 North & South	PBx	Q6
1330	Four Mile West	Sst	P6
1331	Hillview	Surf	O6
1339	Araxa	Int	G5
1342	**Olinda**	**Pho**	**H5**
1343	Pitinga	Int	F5
1347	Amer Lake- Main Zone	Sst	E1
1351	Moran Lake C Zone	Met	F2
1358	Phoenix	Unc	D2
1359	**Pama**	**Pho**	**K4**
1360	**Pato**	**Pho**	**K4**
1361	**Patricia**	**Pho**	**K4**
1367	Sierra Gorda	Int	F6
1368	Chengxian Mine	Bsh	O3
1370	Lantian Mine	Gran	O3
1374	Saima	Int	P2
1377	Berlin	Sst	F4
1378	Brzkov	Met	J2
1383	Pecs	Sst	J2
1390	Tyuya-Muyum	Carb	M2
1395	**San Juan De La Costa**	**Pho**	**D3**
1397	Turgen District	Volc	O2
1398	Ugtam	Volc	O2
1400	Inca	Mso	J6
1401	Imca 25	Sst	J4
1402	Irhawenzegirhan	Sst	J4
1406	Isakanan	Sst	J4
1408	Taunsa	Sst	M3
1409	Colibri 2 & 3	Volc	F5
1413	**Abu Tartur**	**Pho**	**K3**
1414	**Akashat**	**Pho**	**K3**
1415	Elkon	Mso	P2
1416	Elkonskoe Plateau	Mso	P2
1417	Kurung	Mso	P2
1419	Kopanang Mine	PQPC	K6
1421	Sageras-Zona M	Gran	I2
1424	**Palmira District**	**Pho**	**K3**
1429	Antelope	Sst	D2
1431	Aurora	Volc	D2
1432	Bingham Canyon	Int	D2
1433	Black Jack 1 & 2	Sst	D3
1443	Coles Hill North	Mso	F3
1444	Coles Hills South	Mso	F3
1461	Hank Unit	Sst	D2
1462	Hosta Butte	Sst	D3
1465	Juan Tafoya	Sst	D3
1467	Kings Valley	Volc	D2
1468	Los Quatros	Volc	D3
1469	Lost Creek	Sst	D2
1470	Lost Soldier	Sst	D2
1471	Marquez	Sst	D3
1479	Section 22 (New Mexico)	Sst	D3
1480	Section 23 (New Mexico)	Sst	D3
1481	Section 24 (New Mexico)	Sst	D3
1485	Section 30 (New Mexico)	Sst	D3
1489	Sheep Mountain	Sst	D2
1494	Velvet-Wood Mines	Sst	D3
1495	Virgin Valley	Volc	D2
1503	Tabhing Area	Sst	O4
1505	Malundwe	Met	K5
1508	Double 8	Sst	P6
1515	Lujing District (5 deposits)	Gran	O3
1517	Qianjiadian (2 deposits)	Sst	P2
1520	Serres Basin	LigCo	K2
1521	Inkai South-4	Sst	M2
1525	Onkelo	Int	J6
1526	**Bayovar**	**Pho**	**E5**
1527	Neprokhodimoye	Mso	P2
1532	Goliad	Sst	E3
1534	Hack Canyon 2	CBx	D3
1542	Budennovskoye 2	Sst	M2
1543	Ambassador	LigCo	P6
1544	Emperor	LigCo	P6
1546	Gorgon Main	Sst	K6
1547	Kraken	Sst	K6
1548	Husab - Zone 1	Int	J6
1549	Husab - Zone 2	Int	J6
1550	Shanawah	Sst	M3
1554	**Negev Desert District**	**Pho**	**K3**
1562	Beatrix	PQPC	K6
1563	Kloof Tailings	PQPC	K6
1564	South Deep Mine (Underground)	PQPC	K6
1565	Cooke 1, 2 & 3/Old Randfontein	PQPC	K6
1568	Barber	Sst	D2
1569	Boyer	Sst	D3
1571	Coyote Basin	LigCo	D2
1575	Noah	Sst	D3
1576	North West Taylor	Sst	D3
1579	Ross	Sst	D2
1582	Roca Honda Mine	Sst	D3
1583	**Attarat-Wadi Maghar**	**Pho**	**K3**
1585	Gachin	Surf	L3
1590	Toongi	Int	Q6
1591	Beerwalde-Korbussen	Bsh	J2
1592	Bernsbach	Gran	J2
1596	Crimmitschauer Fault Zone	Bsh	J2
1597	Drosen	Bsh	J2
1601	Gera Sud	Sst	J2
1604	Kyhna - Schenkenberg	Volc	J2
1605	Lichtenberg	Bsh	J2
1607	Paitzdorf	Bsh	J2
1609	Prehna	Bsh	J2
1611	Schmirchau - Reust	Bsh	J2
1619	Zeitz - Baldenhain	Bsh	J2
1620	Kaynar	Sst	M2
1622	Kharasan 2-South	Sst	M2
1623	Moynkum South	Sst	M2
1624	Mynkuduk Central	Sst	M2
1625	Mynkuduk West	Sst	M2
1626	Chubu	Bsh	P3
1628	Gumsan	Bsh	P3
1632	Yokwang	Bsh	P3
1636	Takardeit	Sst	J4
1637	Tin Negouran	Sst	J4
1641	Zona Pologaya	Mso	P2
1652	Cappers	Surf	P6
1653	Archontovounis	Gran	K2
1656	Alameda	Gran	I2
1659	Haggan	Bsh	J1
1662	Husab - Zone 3	Int	J6
1664	Husab - Zone 4	Int	J6
1665	Great Nolingwa Mine	PQPC	K6
1666	Moab Khotsong	PQPC	K6
1667	Mponeng	PQPC	K6
1671	Majuelos	Gran	I2
1675	Tubas Red Sand	Surf	J6
1694	Carley Bore	Sst	O6
1695	Odin	Mso	P6
1696	Gorgon West	Sst	K6
1697	Gorgon South	Sst	K6
1699	Catalao	Int	G5
1700	Drucourt Zone	Int	F2
1702	J Zone	Unc	D2
1703	Kolmisoppi	Bsh	K1
1704	Kuusilampi	Bsh	K1
1708	Khan Azzabib	Surf	K3
1709	**Sadyrnynskoye**	**Pho**	**L2**
1710	Hyena	Int	J6
1711	Ondjamba	Int	J6
1712	Miriam	Sst	J4
1713	Isivilla	Volc	F5
1715	Tantamaco	Volc	F5
1717	Jabal Sayid	Int	L3
1725	**Phosphoria Formation**	**Pho**	**D2**
1742	MML-E	Sst	J2
1743	Tuyuk-Suu	LigCo	M2
1755	Carrapateena	PBx	P6
1757	Pepegoona	Sst	P6
1759	**San Hilario**	**Pho**	**D3**
1761	**Tembabiche**	**Pho**	**D3**
1762	**UF1**	**Pho**	**D3**
1763	Gilbat Lafhouda	Int	I3
1764	Twihinate	Int	I3
1765	De Bron	PQPC	K6
1767	Riet Kuil	Sst	K6
1768	Guanaco	Surf	F7
1770	Plumbush	Sst	P6
1772	Serule W	Sst	K6
1774	Radomiro Tomic	Int	F6
1775	A 238	Mso	I3
1776	Ain Sder C1-CJ-CR	Surf	I3
1777	Oued El Foule East	Surf	I3
1778	Oum Ferkik L-K	Surf	I3
1780	Ongolo	Int	J6
1781	Husab - Zone 5	Int	J6
1782	**Al Jalamid**	**Pho**	**L3**
1783	East Ebro Valley (5 deposits)	LigCo	I2
1784	Temrezli	Sst	K3
1791	Bikini	Mso	P6
1793	Millipede	Surf	P6
1796	Rio Cristallino	Sst	G5
1797	Pecors East	PQPC	E2
1798	MA 7	Int	J6
1799	Namibplass	Int	J6
1803	Dulaan Uul	Sst	O2
1805	Lubin-Sieroszowice	Bsh	J2
1810	Congo Pit	Sst	D2
1819	Todilto District	Carb	D3
1821	Igarape Bahia	PBx	G5
1822	Salobo	PBx	G5
1823	Sossego	PBx	G5
1824	J4/Ray	Met	E1
1826	Zoovch Ovoo	Sst	O2
1829	Ranger Deeps	Unc	P5
1830	Illimaussaq Zone 3	Int	G1
1831	Gabbal Guttar	Gran	K3
1836	Manyoni District-Zone C 1	Surf	K5
1844	Theseus	Sst	P6
1846	Frazer Lake-Zone B	Int	D2
1849	Guyuan	Volc	O3
1850	Hechaokeng	Gran	O2
1851	Kujiertai	Sst	N2
1854	Pannikan	Sst	P6
1855	Pepegoona West	Sst	P6
1856	Buckton Zone	Bsh	D2
1858	Taoshan	Gran	O3
1859	La Banane	Sst	J4
1864	Msne	Sst	J4
1866	Oak Dam	Sst	P6
1868	Maoyangtuo (570)	Met	O3
1869	Wukuerqi	Sst	N2
1872	Plouznice	Sst	J2
1874	Sorensen	Int	G1
1878	**Dwaima**	**Pho**	**K3**
1879	**Ethna**	**Pho**	**K3**
1880	**Hirri**	**Pho**	**L3**
1881	**H 3**	**Pho**	**K3**
1882	**Marbat**	**Pho**	**L3**
1883	**Swab**	**Pho**	**K3**
1885	Ulzitt	Sst	O2
1886	Dajy	Sst	J4
1887	Dasa 1, 2 & 3	Sst	J4
1891	Marby	Bsh	J1
1894	**Minjingu**	**Pho**	**K5**
1911	Kendrick	Sst	D2
1913	Lisbon Mine	Sst	D3
1922	North Reno Creek	Sst	D2
1923	Nose Rock	Sst	D3
1936	Twin Butte	Int	D3
1938	White Canyon District	Sst	D3
1939	Yerington	Int	D3
1941	Buckton South	Bsh	D2
1942	Canuc Zone	PQPC	E2
1943	Milo	PBx	Q6
1945	Gemico Block 3	PQPC	E2
1946	Gemico Block 10	PQPC	E2
1947	Triple R	Unc	D2
1948	Teasdale Lake Zone	PQPC	E2
1949	Bayinwula	Sst	O2
1951	Shashagetai	Sst	O3
1952	Sunjialiang	Sst	O3
1955	Z 20	Int	J6
1956	Armelle	Sst	J4
1957	Tamani	Sst	J4
1958	Tamgak Deep	Sst	J4
1959	Taverse	Sst	J4
1960	Bloemhoek	PQPC	K6
1961	Cooke 4 (Gauteng)	PQPC	K6
1967	Chattanooga Shale Formation	Bsh	E3
1969	Dibwe East	Sst	K5
1971	Northern Great Plains	LigCo	D2
1972	Happy Valley 2-15	Int	J6
1973	Happy Valley 18	Int	J6
1978	West Rand Tailings (Wrtrp)	PQPC	K6
1979	West Witts Tailings (13 Tailings)	PQPC	K6
1980	Narke	Bsh	J2
1988	Palua	Sst	O4
1989	Parong	Sst	O4
1990	**Tebessa District**	**Pho**	**J3**
1991	**Fosse-Pamela**	**Pho**	**K4**
1992	**El Sebaeya East**	**Pho**	**K3**
1993	**Red Sea District**	**Pho**	**K3**
1994	**Chatham Rise**	**Pho**	**R7**
1995	**Gafsa-Metlaoui District**	**Pho**	**J3**
1996	**Binh Duong**	**Pho**	**O3**
1998	Nong Son	LigCo	O4
2000	Monument Valley District	Sst	D3
2002	Fab Trend	Sst	D2
2007	Billeroo	Sst	P6
2008	Brooks Dam	Sst	D3
2009	Four Mile North-East	Sst	P6
2029	Arrow	Unc	D2
2032	Gryphon	Unc	D2
2034	Mann Lake	Unc	D2
2040	Léré	Mso	J4
2041	Motzfeldt	Int	G1
2047	La Terraza	Volc	F6
2053	Terraza North	Volc	F6
2054	Tigre I	Volc	F6
2845	Stilfontein	PQPC	K6
4176	Treviels	Sst	J2
4192	Baltoscandia District	Bsh	K2
4196	Kok Moinok	Gran	M2
4198	Aghracha	Surf	I3
4199	Drag-Al Farnane	Int	I3
4202	Tarfaya Basin	Bsh	I3
4203	Timahdit Basin	Bsh	I3
4204	Welwitschia Flats	Surf	J6
4210	Chilcuno Chico	Volc	F5
4212	Quebradra Blanca	Volc	F5
4221	**Al Khabra**	**Pho**	**K3**
4222	**Umm Wu'Al**	**Pho**	**K3**
4223	Blyvooruitzicht Mine	PQPC	K6
4224	Daggafontein Mine	PQPC	K6
4226	Doornfontein	PQPC	K6
4228	Driefontein Tailings	PQPC	K6
4236	Ergo	PQPC	K6
4238	Freddies	PQPC	K6
4241	Luipaardsvlei	PQPC	K6
4243	Vaal Reefs Mine	PQPC	K6
4244	Virginia	PQPC	K6
4250	West Rand Consolidated Mine	PQPC	K6
4258	Cliffside Mine	CBx	D3
4261	Round Top	Int	D3
4265	Pilanesberg - Ledig Zone	Int	K6
4266	Krasnoselskoye	Bsh	K2
4267	Kotlovskoye	Bsh	K2
4268	Durban (Roodeport) Deep	PQPC	K6
4269	Kosachinoye	Met	M2
4270	**El Sebaeya West**	**Pho**	**K3**
4271	Mecsec Mine	Sst	J2
4272	Saaiplaas	PQPC	K6
4273	Deelkrall	PQPC	K6
4274	Mabounie	Int	J5
4275	Jeanette	PQPC	K6
4276	Fox Lake	Unc	D2
4277	Bytiz 4, 22-40	Gran	J2
4278	Engenho	Mso	G5
4279	Smaldeel	PQPC	K6
4280	Afrikander	PQPC	K6
4281	Zheltorechenske	Mso	K2
4282	Da Rabicha	Mso	G5
4283	Hamr South (Hamr II)	Sst	J2
4284	Bukinay South	Sst	M2
4285	Cristalino	PBx	G5
4286	Khamsin	PBx	P6
4287	Cachoeira	Mso	G5
4288	Kalbasfontein	PQPC	K6
4289	Litne	Mso	K2
4290	**Balkovskoye**	**Pho**	**L2**
4291	Mengqiguer 2	Sst	N2
4292	Zuurbekom	PQPC	K6
4293	Ebene	Sst	J4
4294	Modesto	Mso	G5
4295	Elandsrand	PQPC	K6
4296	Aquelt Assfaya	Surf	I3
4297	Ernest Henry	PBx	Q6
4298	Hakkies	Sst	J6
4299	Phoenix	PQPC	K6
4300	Puissagtaq	Gran	G1
4301	Sutherland 2	Sst	K6
4302	Juzkuduk	Sst	M3
4303	Lesetice	Gran	J2
4304	Rhenosterroek	PQPC	K6
4305	Ergo Tailings	PQPC	K6
4306	Middle Dome	Int	J6
4307	Zvezdnoye	Met	M2
4308	Banadungi-Sinidungri	Met	N3
4309	Area 1 East	PQPC	K6
4310	Doornrivier	PQPC	K6
4311	**Bofal-Loubboira**	**Pho**	**I4**
4312	Alemao	PBx	G5
4313	Zhuravlinoye	Volc	O2
4314	Holicky	Sst	J2
4315	Hnativske	Mso	K2
4316	Yurivske	Mso	K2
4317	Partyzanske	Mso	K2
4318	Pivdennokonoplyanske	Mso	K2
4319	Pivnichnokonoplyanske	Mso	K2
4320	Dokuchaevske	Mso	K2
4321	Kvitneve	Mso	K2
4322	Schorsivske	Mso	K2
4323	Lelekivske	Mso	K2
4324	Hannivka	Mso	K2
4325	Lisne	Mso	K2
4326	Kremenchugske	Mso	K2
4327	Jeruzalem	Gran	J2
4328	Melkraals	PQPC	J6
4329	Grootvlei Tailings	PQPC	K6
4330	Baimadong	Carb	O3
4331	Kareeport	Sst	K6
4332	Fochville	PQPC	K6
4333	Krizani	Sst	J2
4334	Boztauskaya	Bsh	M2
4335	Tushinskoye	Met	M2
4336	Mestena Grande	Sst	E3
4337	Haanekuil	Sst	K6
4338	Vermeulenskraal North	PQPC	K6
4339	Moab Extension	PQPC	K6
4340	Sarydjaz	Bsh	M2
4341	Robijn	PQPC	K6
4342	Salem	Int	J6
4343	Elandsfontein	Sst	K6
4344	Tshepong	PQPC	K6
4345	Phakisa	PQPC	K6
4346	Brod	Gran	J2
4347	Weltevreden	PQPC	K6
4348	Pocos De Caldas-Agostino	Int	G6
4349	Graben	Sst	F7
4350	Kyzyl	Volc	M2
4351	Das Quebradas	Mso	G5
4352	Laranjeiras	Mso	G5
4353	**Prudovoye**	**Pho**	**L2**
4354	**Buratinskoye South**	**Pho**	**L2**
4355	**Bagaburulskoye NE**	**Pho**	**L2**
4356	**Kharabulukskoye North**	**Pho**	**L2**
4357	**Bagaburulskoye**	**Pho**	**L2**
4358	**Nugrinskoye**	**Pho**	**L2**
4359	**Bogorodskoye**	**Pho**	**L2**
4360	**Shargadykskoye**	**Pho**	**L2**
4361	**Yashkulskoye**	**Pho**	**L2**
4362	**Centralnoye**	**Pho**	**L2**
4363	**Troitskoye**	**Pho**	**L2**
4364	Abou Skhair	Carb	L3
4365	Wangjiachong	Sst	O3
4366	Sirotininsk	Sst	O2
4367	Smolenskoye	Sst	N2
4368	Chasovoye	Gran	O2
4369	Korolevskoye	Gran	O2
4370	Bystroye	Sst	N2
4371	Bashibulak	Sst	M3
4372	**Nekrakovskoye**	**Pho**	**L2**
4373	Vranov	Sst	J2
4374	Srni Potok	Sst	J2
4375	Pavlin	Sst	J2
4376	Xinwu Basin (5 deposits)	Sst	O3
4377	Arnold	Sst	J4
4378	Aride	Sst	J4
4379	Yarkuduk	Sst	M3
4380	Istiklol	Sst	M2
4381	Wuhisan	Sst	N2
4382	Wuhier	Sst	N2
4383	North Tamdinskaya	Bsh	M2
4384	Wuyiyi	Sst	N2
4385	Baxingtu	Sst	P2
4386	Kenze	Sst	M2
4387	Likhmanovske	Mso	K2
4388	YGOK	Mso	K2
4389	Stetchovskaya	Mso	K2
4390	Krasnogvardeiske	Mso	K2
4391	Annovske	Mso	K2
4392	Kirovskii	Mso	K2
4393	Stankovatskaya	Mso	K2
4394	Kurnikoskoye-W	Mso	K2
4395	Stepne	Mso	K2
4396	Novopavdovske	Mso	K2
4397	Manuiylivske	Mso	K2
4398	Steblevskaya	Mso	K2
4399	Podgaitsevskoye	Mso	K2
4400	Andriivske	Mso	K2
4401	Kohanivske	Mso	K2
4402	Rand Proprietary M Tailings	PQPC	K6
4403	Honghaigou	Sst	N2
4404	Tamdikuduk-Tulyantashkaya	Sst	M3
4405	Masimong	PQPC	K6
4406	South Deep Mine (Tailings)	PQPC	K6
4407	Vredefort	PQPC	K6
4408	Gurvanbulak Intermediate Zone	Volc	O2
4409	Plateau West	Sst	F7
4410	Fraserburg 2	Sst	K6
4411	Fraserburg	Sst	K6
4412	Mazarete Extension W (Zona II)	Sst	I2
4413	Pirna	Sst	J2
4414	Tierhoek	Sst	K6
4415	Vermeulenskraal	PQPC	K6
4416	St Helena Tailings	PQPC	K6

WORLD DISTRIBUTION OF BLACK SHALE URANIUM DEPOSITS

SECOND EDITION: 2018

Scale 1: 1:35 000 000

Kilometres 500 0 500 1,000 1,500 2,000 Kilometres

Mercator Projection: Central Meridian 10°

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Geology was derived from L.B. Chorlton, Generalized Geology of the World, Geological Survey of Canada, Open File 5529, 2007 under Open Government Licence - Canada (http://data.gc.ca/eng/open-government-licence-canada)

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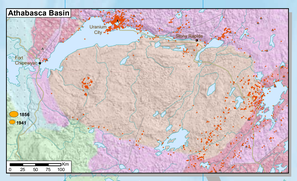
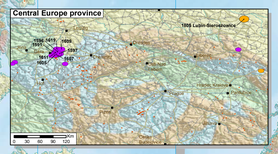
Athabasca Basin



Central Europe province