

Table 2. Tonnage and grade characteristics of reserves and resources associated with reef-type platinum-group elements deposits. Past production is not included. Large igneous province (LIP) names and ratings from Ernst and Buchan (2001).

Magmatic event	LIP Rating	Approximate age	Deposit name	Intrusion	Area	Country	Date of estimate	Resource category	Tons of ore	Ni, percent	Cu, percent	Pt, g/t	Pd, g/t	Rh, g/t	Au, g/t	Pt+Pd+Au, g/t	"PGE" ± Au, g/t	References
		(Ma)																
Bushveld (C) LIP event	A (1s)	2054	Merensky Footwall Reef	Bushveld Complex	BV-Western Limb	RSA	2009	Reserves and measured, indicated, and inferred resources	26,182,000			0.6161	0.2828	0.0606	0.0505		1.01	D. Causey, written comm., 2009
Bushveld (C) LIP event	A (1s)	2054	Merensky Reef	Bushveld Complex		RSA	1999	Proven and probable reserves and inferred resources	4,987,800,000			3.279572276	1.762486547				5.042058824	Cawthron (1999)
Bushveld (C) LIP event	A (1s)	2054	Merensky Reef	Bushveld Complex	BV-Eastern and Western Limb	RSA	2009	Reserves and measured, indicated, and inferred resources	3,733,344,220			2.906020937	1.428774501	0.203193246	0.2664378		4.804426483	D. Causey, written comm., 2009
Bushveld (C) LIP event	A (1s)	2054	PGE Reefs (undifferentiated)	Bushveld Complex	BV-Western Limb	RSA	2009	Reserves and measured, indicated, and inferred resources	114,745,000			3.188030038	1.541009335	0.425946319	0.119434734		5.274420427	D. Causey, written comm., 2009
Bushveld (C) LIP event	A (1s)	2054	Pseudo Reef Harzburgite	Bushveld Complex	BV-Western Limb	RSA	2009	Reserves and measured, indicated, and inferred resources	19,554,000			0.531	0.279	0.036	0.054		0.9	D. Causey, written comm., 2009
Bushveld (C) LIP event	A (1s)	2054	Lower Pseudo Reef	Bushveld Complex	BV-Western Limb	RSA	2009	Reserves and measured, indicated, and inferred resources	8,846,800			1.519225311	0.712740496	0.209633251	0.072927456		2.514526513	D. Causey, written comm., 2009
Bushveld (C) LIP event	A (1s)	2054	Upper Pseudo Reef	Bushveld Complex	BV-Western Limb	RSA	2009	Reserves and measured, indicated, and inferred resources	6,539,800			2.118700244	1.036587849	0.170537053	0.138449323		3.464274469	D. Causey, written comm., 2009
Bushveld (C) LIP event	A (1s)	2054	Sheba's Ridge	Bushveld Complex	BV-Eastern Limb	RSA	2009	Reserves and measured, indicated, and inferred resources	775,000,000			0.175301548	0.541148258		0.045730839		0.762180645	D. Causey, written comm., 2009
Bushveld (C) LIP event	A (1s)	2054	UG2	Bushveld Complex		RSA	1999	Proven and probable reserves and inferred resources	6,250,600,000			2.84299648	2.322447829				5.165444309	Cawthron (1999)
Bushveld (C) LIP event	A (1s)	2054	UG2	Bushveld Complex	BV-Eastern and Western Limb	RSA	2009	Reserves and measured, indicated, and inferred resources	6,636,236,713			2.701973524	1.834189128	0.496749709	0.059239758		5.092152119	D. Causey, written comm., 2009
Bushveld (C) LIP event	A (1s)	2054	Upper Mineralized Pyroxentite (Merensky Reef?)	Bushveld Complex	BV-Western Limb	RSA	2009	Reserves and measured, indicated, and inferred resources	24,730,000			2.546652337	1.212691589		0.267656866		4.027000793	D. Causey, written comm., 2009
Bushveld (C) LIP event	A (1s)	2054	Platreef	Bushveld Complex		RSA	1999	Proven and probable reserves and inferred resources	2,274,600,000			2.199211905	2.220314693				4.419526598	Cawthron (1999)
Great Dyke of Zimbabwe (C) event	B (5)	2575	Main sulphide zone	Great Dyke		Zimbabwe	2009	Reserves and measured, indicated, and inferred resources	2,135,592,000			1.792530963	1.433275106	0.150328009	0.30105269		3.677186768	D. Causey, written comm., 2009
North Atlantic Magmatic Province		55.65	Platinova Au-Pd Reef	Skaergaard		Greenland	2005	Inferred resource	1,520,000,000			0.04	0.61		0.21		0.86	Platina Resources, Ltd. (2010b)
Stillwater (C) LIP event	B (4i)	2704	A-B chromite, West Fork area	Stillwater Complex		USA	1979	Resource	3,600,000			0.685	1.714				2.399	Zientek (1993)
Stillwater (C) LIP event	B (4i)	2704	J-M Reef	Stillwater Complex		USA	2010	Reserves and mineralized material	149,398,000			3.68067246	12.88235361				16.56302607	Abbott and others (2011)
		3033	Main Reef Package	Stella layered intrusion		RSA	2009	Reserves and measured, indicated, and inferred resources	133,302,579			0.685426928	0.779251463		0.042220011		1.506898401	D. Causey, written comm., 2009
			Weld Range - Parks Reef PGE	Weld Range		Australia	1998	Inferred resource	14,760,000			0.6	0.5				1.1	Parks (1998)
West Pilbara (C) event	B (4i)	2935	Main sulfide layer (Ferguson Reef)	Munni Munni		Australia	2002	Measured, indicated, and inferred resources	23,600,000	0.09	0.15	1.1	1.5	0.1	0.2		2.9	Platina Resources, Ltd. (2010a)
East Kimberley (C) events	B (4vid)	1856	Top and Middle Reefs	Panton Sill		Australia	2003	Measured, indicated, and inferred resources	14,300,000	0.3	0.08	2.2	2.4		0.3		5.2	Platinum Australia (2003)
Northern Baltica-1 (C) LIP events	A (1v)	2440	Siika-Kämä Reef	Narkaus Intrusion		Finland	2003	Measured, indicated, and inferred resources	43,100,000	0.08	0.21	0.72	2.7		0.11		3.53	Geological Survey of Finland (2010)
Northern Baltica-1 (C) LIP events	A (1v)	2440	Sompujärvi Reef	Penikat Intrusion		Finland			6,700,000			3.08	5.36	0.38	0.1		8.92	Geological Survey of Finland (2010)
Northern Baltica-1 (C) LIP events	A (1v)	2440	Paasivaara Reef	Penikat Intrusion		Finland			5,000,000		0.28	4.04	2.58	0.08	0.61		7.31	Geological Survey of Finland (2010)
		2.7 to 3.0 Ga	Pedra Branca	Troia Unit of the Cruzeta Complex		Brazil	2009	Inferred resource	6,600,000	0.23	0.03					2.27	2.27	Anglo Platinum (2009)