

### Alberta Ultramafic Diatremes: Diamond Count Results

Kimberlite	Number of Samples	Sample Type	Total Dry Weight (kg)	Micro-diamond count (<0.5 mm)	Macro-diamond count (>0.5 mm)	Carats per hundred tonnes (for stones > 0.8 mm)	Unique Diamonds
Phoenix	39	Core	384.7	3	2	22	
Roc	9	Core	86.9	0	0	0	
Dragon	4	Core	33	0	0	0	
Kendu	2	Core	170	0	0	0	
Pegasus	14	Core	128.5	0	0		
Legend	43	Core	406.5	4	0	2	
Xena	9	Core	130.7	0	0	0	
Valkyrie	14	Core	128.3	0	0	0	
K1A	4	Core	184.30	2	0		
K1A	4	Core	184.30	2	0		
K1B	4	Core	182.10	2	2		
K2	2	Trench & Core	1603.90	3	0		
K3	5	RC & Core	3089.60	0	0	0	
K4A	5	Core	683.70	2	1		
K4B	4	Core	197.30	4	0		
K4C	6	Core	348.10	1	0		
K5A	15	RC & Core	4297.90	150	4		
K5B	7	Core	356.90	76	2		
K6	12	RC & Core	23761.60	81+?	14+?		clear yellow .76 c diamond
K7A	4	Core	227.80	0	0	0	
K7B	4	Core	208.80	1	0		
K7C	2	Core	98.20	0	0	0	
K8	2	Core	274.20	4	1		
K10	3	RC	384.50	4	1		
K11	12	RC & Core	4361.50	191	40		
K14A	43	RC & Core & Pit	511079.90	785	1596	11.79	1.31 c silver-grey diamond also stones weighing 0.60, 0.30, 0.28, 0.21 and 0.18 c
K14B	12	Trench & Core	10554.10	145	84		
K14C	16	RC & Core	3037.20	466	111		
WP	3	RC & Core	3096.70	2	3		
K15	3	RC	3202.70	0	0	0	
K19	4	RC & Core	2102.50	7	0		
K32	3	RC	781.60	1	1		
K91	4	Core	35997.30	180	140		largest recovered: 0.45 c
K92	3	RC	1328.50	2	1		
K93	5	RC	1418.20	0	0	0	
K95	7	RC	3809.60	2	0		
K252	5	RC & Core	3625.50	101+?	5+?	55	1 large diamond: 2.35 x 2.19 x 0.63 mm
K225	4	Core	96.40	67	5		

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K281	5	Core	223.30	7	0		
K230	2	Core	176.40	1	0		
BM2	4	Core	94.80	0	0	0	
BM3	3	Core	69.50	0	0	0	
LL07	2	Core	26.20	0	0	0	
LL08	4	Core	196.00	1	0		
TQ155	2	Core	275.00	32	0		
TQ160	1	Core	45.90	2	0		
Black Butte	1		38.20	1	0		beige-green microdiamond - moderately resorbed
Mountain Lake Alkaline ultrabasic volcanic diatremes	4	Core	44.8	0	0	0	