APPENDIX 1. INFORMATION ON RENARD 65 SAMPLES\* USED FOR GEOCHEMICAL ANALYSES

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| **Sample ID** | **Location†** | **Abbreviation** | **Degree of reaction** | **Description** |
| **Granitoid and gneiss xenoliths with variable degrees of reaction** | | | | |
| 30692B | R65-31,  107.9 m | GRx2 | Low | Slightly altered granitoid xenolith derived from the 72.6 m main intersection of the dominant pipe-fill KPK Kimb65a. |
| 30678B | R65-34,  152.44 m | GNx2 | Gneiss xenolith, derives from a 30.9 m intersection of HKt in Kimb65d. |
| 30677 | R65-34,  153.24 m | GRx3 | Moderate | Granitoid xenolith, derives from within from a 30.9 m intersection of HKt in Kimb65d (part of the sample is shown in Fig. 8a). |
| 30679B | R65-34,  99.26 m | GNx3 | Gneiss xenolith, derives from near the top of a 91.6 m intersection of typical Kimb65b HK containing ~15 vol. % altered xenoliths. |
| 30681 | R65-34,  89.25 m | GRx1 | Moderate to high | Granitoid xenolith, represent well developed zonal alteration (cf. Fig. 8) from the HK of Kimb65b, discussed with petrographic samples. |
| 30683 | R65-34,  32.14 m | GNx1 | Gneiss xenolith, represent well developed zonal alteration (cf. Fig. 8) from the HK of Kimb65b, discussed with petrographic samples. |
| **In situ country rock granitoid and gneiss country rock unaffected by kimberlite emplacement (i.e., no fractures or brecciation)** | | | | |
| 30699B | R65-31,  10.86 m | CRGR2 | Absent | Granitoid from near the top of the drillhole within a 73.5 m intersection of in situ country rock adjacent to the pipe. |
| 30699A | R65-31,  10.86 m | CRGN2 | Gneiss from near the top of the drillhole within a 73.5 m intersection of in situ country rock adjacent to the pipe. |
| 37130 | R1-12,  517.08 m | CRGR1 | From Renard 1 pipe ~250 m to the north of Renard65. Derives from a 1.4 m layer within a 21.5 m intersection at the end of hole comprising alternating layers of pink/white coarse grained granitoid and grey fine-grained gneiss. The sample has a very coarse grained pegmatitic texture and contains ~5 vol.% mafic minerals. The sample is located 78.6 m downhole below the main kimberlite pipe contact. The intervening intersection includes mixed CRB+minor kimberlite and CCR +13 cm of HK. |
| 37037 | R1-12,  161.03 m | CRGN1 | From Renard 1 pipe ~250 m to the north of Renard 65. Derives from a 152.9 m intersection at the top of the hole comprising alternating granitoid and gneiss. The sample is located 145.6 m uphole from the main kimberlite pipe contact and is 2.8 m above the contact with CCR. The intervening drillcore comprises CCR and CRB containing minor kimberlite. |
| **Host Hypabyssal Kimberlite** | | | | |
| 30681 | R65-34,  89.25 m | HKh-65b | Moderate | Kimb65b adjacent to GRx1, described in polished thin section as discussed with petrographic samples. The sample derives from the centre of a 91.5 m intersection of HK containing up to 15% xenoliths. |
| HK-65b1 | Low-Absent |
| 30683 | R65-34,  32.14 m | HKh-65b | Moderate | Kimb65b adjacent to GNx1, described in polished thin section as discussed with petrographic samples. The sample derives from near the bottom of a 28 m intersection of HK containing 15-20% xenoliths |
| HK-65b1 | Low-Absent |
| 28105 | R65-34 at 22.27 m | HK-65b2 | Low-Absent | Derives from a 28 m intersection of HK in Kimb65b containing 15-20% strongly altered xenoliths (occurs close to the sample shown in Fig. 3b and 9.9 m uphole from GNx1). |
| 28107 | R65-34 at 76.42 m | HK65b3 | Derives from the middle of a 91.6 m intersection of HK in Kimb65b (12.8 m up hole from GRx1) containing up to ~15 vol.% strongly altered xenoliths. |
| 28104 | R65-36 at 275.22 m | HK-65c | Kimb65c, post-pipe cross-cutting xenolith-poor kimberlite dyke. Derives from the centre of a 1.4 m intersection of hypabyssal kimberlite which occurs within and cross cuts the main pipe KPK infill Kimb65a (Fig. 2). This intersection contains no apparent xenoliths, and the groundmass is dominated by carbonate. |

\* Samples 28104, 28105, 28107, 37130 and 37037 were collected by Stornoway Diamond Corporation, the rest by the authors from the collection of Gaudet (2016)

**†** Location - drillhole number and depth