

GeoSpark Logger ~ Drill Log

Project: KZK **Hole Number:** K98-197

| | | | | | | | | |
|------------------|-------------|-------------------|------|--------------------|-------------------|------------------------|----------------|--|
| Prospect: | GP4F | Hole Type: | DD | Survey Type: | RTK DGPS | Logged By: | Roger Hulstein | |
| Grid: | NAD83_Z9 | Hole Diameter: | 75.7 | Survey By: | Challenger_Survey | Date Logging Start: | 4/30/2016 | |
| UTM Easting | 419357.17 | Core Size: | NQ | Azimuth: | 180 | Date Logging Complete: | 5/2/2016 | |
| UTM Northing: | 6813369.707 | Casing Pulled?: | | Dip: | -62 | Drill Company: | | |
| UTM Elev. (m): | 1372.632 | Casing Depth (m): | | Length (m): | 172.8 | Drill Rig: | | |
| Local Easting: | 9350 | Stored?: | Yes | Claims Title | KZK | Drill Started: | | |
| Local Northing: | 3375 | Cemented?: | | Core Storage Loc.: | KZK Camp | Drill Completed: | | |
| Local Elev. (m): | 1372.632 | | | Hole Completed?: | | Purpose: | | |
| Comments: | | | | | | | Parent Hole: | |

Downhole Surveys:

| Depth (m) | Dip | Measured Azimuth | Correction Factor | Corrected Azimuth | Survey Type | Survey By | Survey Date | Mag Field | Accept Values? | Comments |
|-----------|-----|------------------|-------------------|-------------------|-------------|-----------|-------------|-----------|-------------------------------------|----------|
| 0 | -62 | 180 | | 180 | ACID | | | | <input checked="" type="checkbox"/> | |
| 20 | -62 | 183 | | 183 | ACID | | | | <input checked="" type="checkbox"/> | |
| 84 | -62 | 186 | | 186 | ACID | | | | <input checked="" type="checkbox"/> | |
| 172 | -63 | 188 | | 188 | ACID | | | | <input checked="" type="checkbox"/> | |

| From (m) | To (m) | Rocktype & Description | From (m) | To (m) | Width | Sample | Au ppm | Ag ppm | Cu % | Pb % | Zn % |
|--|--------------|---|----------|--------|-------|--------|--------|--------|------|------|------|
| 0.00 | 6.70 | OVBN Overburden | | | | | | | | | |
| 6.70 | 13.60 | RHYv Rhyolite volcaniclastic medium grey | | | | | | | | | |
| 6.7 - 13.6: Granular (1-4mm) grey quartz, minor quartz bands with lesser biotite and sericite as discontinuous mm bands and irregular filling around quartz grains, locally mottled. | | | | | | | | | | | |
| <<Min: 6.7 - 41.8 0.1% Min: Pyrite>> Trace diss pyrite | | | | | | | | | | | |
| <<Alt: 6.7 - 14.3 Weak Calcite>> diss and as mm veinlets | | | | | | | | | | | |
| 13.60 | 14.55 | PEL Equigranular biotite + calcite dark grey +/- quartz rock | | | | | | | | | |
| 13.6 - 14.55: Biotite calcite rich. Contacts along foliation at approx. 70 deg. | | | | | | | | | | | |
| <<Alt: 14.3 - 14.7 Moderate Calcite>> and as foliaform veinlets | | | | | | | | | | | |
| 14.55 | 24.77 | RHYv Rhyolite volcaniclastic medium grey | | | | | | | | | |
| 14.55 - 24.77: As 6.7-13.6m; minor 0.5-2cm bands of calcite-chlorite-biotite parallel to 75 deg foliation. | | | | | | | | | | | |

| From (m) | To (m) | Rocktype & Description | From (m) | To (m) | Width | Sample | Au ppm | Ag ppm | Cu % | Pb % | Zn % |
|---|--------|------------------------|----------|--------|-------|--------|--------|--------|------|------|------|
| <p><<Alt: 14.7 - 24.77 Weak Calcite>> mostly as mm veinlets and blebs and clots. <<Vein: 16.2 - 16.5 45% Quartz-Tourmaline>> <<Vein: 20.8 - 23.8 3% Carbonate-Chlorite 70 deg. >> intergrown calcite-chlorite-biotite as bands</p> <p>24.77 25.33 PEL Equigranular biotite + calcite dark grey +/- quartz rock</p> <p>24.77 - 25.33: sharp contacts at 75 deg parallel to foliation.</p> <p><<Alt: 24.77 - 25.35 Moderate Calcite>></p> <p>25.33 38.40 RHYv Rhyolite volcanoclastic medium grey</p> <p>25.33 - 38.4: as above 6.7 - 13.6m & 14.55 - 24.77m (but only very minor calcite-chlorite-biotite bands.</p> <p><<Alt: 25.35 - 38.4 Weak-Moderate Calcite>> and as veinlets</p> <p>38.40 38.75 PEL Equigranular biotite + calcite +/- quartz rock</p> <p>38.4 - 38.75: upper ontact appears gradational but increase in calcite is adrupt.</p> <p><<Alt: 38.4 - 38.85 Moderate-Strong Calcite>> and as veinlets</p> <p>38.75 42.00 RHYc Rhyolite coherant volcanics</p> <p>38.75 - 42: As 25.35-38.4m but rhy clasts and foliatin disrupted siliceous bands present - gradational to RHYc at 42.0-48.2m.</p> <p><<Min: 41.8 - 46 1% Min: Pyrite>></p> <p><<Alt: 38.85 - 44.7 Trace Calcite>> on fractures, mm veinlets</p> <p>42.00 48.20 RHYc Rhyolite coherant volcanics cream</p> <p>42 - 48.2: Good RHYc, clast supported and crackle brecciated (all due to foliation and competent RHY or some is original brecciation?). Minor biotite-sericite-calcite folia and as breccia matrix.</p> <p><<Min: 46 - 58.5 0.25% Min: Pyrite>></p> <p><<Alt: 44.7 - 57.4 Moderate Calcite>> and as veinlets and 48.2-56m; mostly in bands with chlorite - biotite</p> <p><<Vein: 47.3 - 56 15% Carbonate-Chlorite 70 deg. >> foliaform and cross cutting calcite-chlorite-biotite-qtz bands and veinlets. Looks like a foliated stringer vein zone.</p> <p>48.20 57.15 RHYv Rhyolite volcanoclastic</p> <p>48.2 - 57.15: problematic unit. RHYv similar to above units but this unit is crosscut but numerous (15-30% total) calcite-chlorite-biotite +/- cord veins or bands at 55-65 deg and foliaform (foliation at consistant 75 deg) . RHYv has local grey mottled -granular textur</p> <p><<Alt: 48.2 - 56.1 Weak Chlorite>> bands and blebs, asociated with cord, biot and calcite, crosscutting RHYv but also foliated (unlike qtz-tourmaline veins). Possibly related to mineralizing event?</p> | | | | | | | | | | | |

| From (m) | To (m) | Rocktype & Description | From (m) | To (m) | Width | Sample | Au ppm | Ag ppm | Cu % | Pb % | Zn % |
|---|--------|------------------------|----------|--------|-------|--------|--------|--------|------|------|------|
| <p><<Alt: 48.2 - 56.1 Weak Biotite>> see comments for chlorite for same interval <<Alt: 49 - 49.6 Weak Cordierite>> replaced/altered by calcite. <<Vein: 51.1 - 51.5 70% Quartz-Tourmaline 30 deg. >> irregular <<Vein: 56.1 - 56.8 80% Quartz 30 deg. >></p> <p>57.15 58.50 RHYc Rhyolite coherant volcanics cream</p> <p>57.15 - 58.5: similar to 42.0-48.2m.</p> <p><<Alt: 57.4 - 58.4 Weak Calcite>> blebs, diss and as veinlets <<Alt: 58.4 - 60.7 Moderate-Strong Calcite>> mostly inbands with chlorite - biotite</p> <p>58.50 60.52 RHYv Rhyolite volcanoclastic</p> <p>58.5 - 60.52: silicic bands and clasts. Bands and fillings of biotite - calcite, about 20% overall.</p> <p><<Min: 58.5 - 74.5 0.25% Min: Pyrite>> <<Min: 58.5 - 74.5 0.25% Min: Pyrrhotite>> <<Vein: 58.5 - 64 10% Carbonate-Chlorite 70 deg. >> foliaform and cross cutting calcite-chlorit-biotite-qtz bands</p> <p>60.52 62.70 RHYc Rhyolite coherant volcanics cream</p> <p>60.52 - 62.7: unit over printed by qtz vein and attendant silicification and bleaching and calcite veining on fractures; might be RHYv in part.lower 0.6m is crackle brecciated rhy.minor feldspar phenos.</p> <p><<Alt: 60.7 - 64.5 Weak-Moderate Calcite>> and as veinlets <<Vein: 61.5 - 61.8 Quartz>></p> <p>62.70 64.55 RHYc Rhyolite coherant volcanics grey</p> <p>62.7 - 64.55: local brecciated siliceous bands, folia, bands and breccia matrix of qtz-biotite and later calcite-chlorite-biotite.</p> <p><<Alt: 64.5 - 66.1 Moderate Calcite>></p> <p>64.55 66.10 PEL Equigranular biotite + calcite +/- quartz rock</p> <p>64.55 - 66.1: includes 0.3m section of calcareous RHYv. Unit is a</p> <p>66.10 83.80 RHYv Rhyolite volcanoclastic grey</p> <p>66.1 - 83.8: minor sections with quartz and or feldspar phenocrysts.</p> <p><<Min: 74.5 - 80.8 0.5% Min: Pyrite>> <<Min: 74.5 - 80.8 0.5% Min: Pyrrhotite>> <<Min: 80.8 - 90.65 0.1% Min: Pyrite>> <<Alt: 66.1 - 83.8 Weak Calcite>> as diss, blebs, fracture filling and veinlets</p> | | | | | | | | | | | |

| From (m) | To (m) | Rocktype & Description | From (m) | To (m) | Width | Sample | Au ppm | Ag ppm | Cu % | Pb % | Zn % |
|---|---------------|---|----------|--------|-------|--------|--------|--------|------|------|------|
| <p><<Vein: 81.9 - 83.2 100% Quartz-Tourmaline 70 deg. >> 5% tourmaline, diss tour in wallrock. <<Struc: 67.3 - 67.6 Moderate Fault>> <<Struc: 73.5 - 74 Weak Fault>> <<Struc: 83.7 - 84 Moderate Fault>></p> | | | | | | | | | | | |
| 83.80 | 85.20 | PEL Equigranular biotite + calcite +/- quartz rock | | | | | | | | | |
| <p><<Alt: 83.8 - 85.2 Moderate Calcite>></p> | | | | | | | | | | | |
| 85.20 | 88.80 | RHYv Rhyolite volcaniclastic | | | | | | | | | |
| <p><<Alt: 85.2 - 93.5 Weak Calcite>> as veinlets, mm folia, diss <<Struc: 85.3 - 85.6 Moderate-Strong Fault>></p> | | | | | | | | | | | |
| 88.80 | 90.65 | PEL Equigranular biotite + calcite +/- quartz rock | | | | | | | | | |
| <p><<Vein: 88.85 - 89.5 100% Quartz-Tourmaline>> 2 separate components; upper qtz vein and lower tourmaline-calcite section,</p> | | | | | | | | | | | |
| 90.65 | 93.50 | RHYvx Quartz and/or feldspar crystal tuff | | | | | | | | | |
| <p>90.65 - 93.5: local sections feldspar porphyritic, biotite porphoblasts. <<Min: 90.65 - 93 0.25% Min: Pyrite>> <<Min: 90.65 - 93 0.25% Min: Pyrrhotite>> <<Min: 93 - 95.4 0.5% Min: Pyrite>> <<Vein: 93.05 - 93.1 30% Tourmaline>></p> | | | | | | | | | | | |
| 93.50 | 95.15 | PEL Equigranular biotite + calcite +/- quartz rock | | | | | | | | | |
| <p><<Alt: 93.5 - 95.15 Weak-Moderate Calcite>> <<Vein: 93.5 - 95.15 10% Carbonate-Chlorite 70 deg. >> irregular but foliated calcite-chlorite veinlets.</p> | | | | | | | | | | | |
| 95.15 | 99.70 | RHYvi Lapilli tuff | | | | | | | | | |
| <p><<Min: 95.4 - 104 0.5% Min: Pyrrhotite>> <<Min: 95.4 - 118.8 1% Min: Pyrite>> <<Alt: 95.15 - 110.1 Trace Calcite>> mostly as occasional veinlets and fracture filling</p> | | | | | | | | | | | |
| 99.70 | 110.10 | RHYv Rhyolite volcaniclastic | | | | | | | | | |
| <p>99.7 - 110.1: granular, likely ash tuff <<Min: 104 - 118.8 0.1% Min: Pyrrhotite>></p> | | | | | | | | | | | |

| From (m) | To (m) | Rocktype & Description | From (m) | To (m) | Width | Sample | Au ppm | Ag ppm | Cu % | Pb % | Zn % |
|---|--------|------------------------|----------|--------|-------|--------|--------|--------|------|------|------|
| <p><<Alt: 108.4 - 118.8 Weak Muscovite>> fine muscovite, seems be above background musc present up hole.</p> <p>110.10 110.70 PEL Equigranular biotite + calcite +/- quartz rock</p> <p><<Alt: 110.1 - 110.7 Moderate-Strong Calcite>></p> <p>110.70 118.80 RHYv Rhyolite volcanoclastic grey</p> <p>110.7 - 118.8: granular, likely ash tuff</p> <p><<Alt: 110.7 - 118.8 Weak Calcite>> as as mm veinlets - fracture filling.</p> <p><<Struc: 111.7 - 111.8 Moderate Fault>></p> <p><<Struc: 117.5 - 123.3 Trace Fault>> 4 narrow (<10cm) fault zones with minor gouge and broken core.</p> <p>118.80 120.50 PEL Equigranular biotite + calcite +/- quartz rock</p> <p><<Min: 118.8 - 120.5 0.5% Min: Pyrrhotite>> and in calcite veinlets</p> <p><<Alt: 118.8 - 120.5 Moderate-Strong Calcite>></p> <p><<Vein: 118.8 - 120.5 5% Calcite>> calcite stringers in mafic dyke</p> <p>120.50 121.70 PEL Equigranular biotite + calcite +/- quartz rock</p> <p><<Min: 120.5 - 121.7 5% Min: Pyrite>></p> <p><<Min: 120.5 - 121.7 1% Min: Chalcopyrite>> blebs in fractures</p> <p><<Alt: 120.5 - 121.7 Weak Calcite>> also as veinlets and fracture filling</p> <p><<Alt: 120.5 - 122.7 Weak Muscovite>></p> <p>121.70 122.70 RHY undifferentiated rhyolite</p> <p><<Min: 121.7 - 122.7 5% Min: Pyrite>></p> <p><<Min: 121.7 - 122.7 0.5% Min: Pyrrhotite>></p> <p><<Min: 121.7 - 122.7 0.5% Min: Galena>></p> <p><<Min: 121.7 - 122.7 3% Min: Chalcopyrite>></p> <p><<Alt: 121.7 - 122.7 Weak Garnet>> concentrated at upper contact</p> <p><<Alt: 121.7 - 122.7 Moderate-Strong Chlorite>></p> <p><<Alt: 121.7 - 124.7 Weak Calcite>> also as veinlets.</p> <p>122.70 125.50 RHYvx Quartz and/or feldspar crystal tuff</p> <p>122.7 - 125.5: 3-5% white-blue qtz eyes 3mm avg, could be a porphyry flow but no evidence of margins.</p> <p><<Min: 122.7 - 125.5 0.5% Min: Sphalerite>></p> | | | | | | | | | | | |

| From (m) | To (m) | Rocktype & Description | From (m) | To (m) | Width | Sample | Au ppm | Ag ppm | Cu % | Pb % | Zn % |
|----------|--------|---|----------|--------|-------|--------|--------|--------|------|------|------|
| | | <<Min: 122.7 - 125.5 1% Min: Pyrite>> <<Min: 122.7 - 125.5 0.1% Min: Magnetite>> <<Min: 122.7 - 125.5 0.5% Min: Chalcopyrite>> <<Alt: 122.7 - 125.5 Weak Muscovite>> <<Alt: 122.7 - 125.5 Trace Chlorite>> <<Alt: 124.7 - 128.1 Weak-Moderate Calcite>> also as veins and mm bands 125.50 127.10 RHYva Coarse grained to ash tuff 125.5 - 127.1: includes qtz-chlorite-biotite vein <<Min: 125.5 - 127.1 0.1% Min: Pyrite>> <<Alt: 125.5 - 127.5 Weak Chlorite>> found within RHY and also qtz veining. <<Alt: 125.5 - 133.7 Weak Muscovite>> <<Vein: 126 - 126.5 Quartz-Chlorite-Carbonate>> 127.10 128.10 RHYvx Quartz and/or feldspar crystal tuff 127.1 - 128.1: blue qtz eyes as 122.7-125.5m <<Min: 127.1 - 128.1 0.5% Min: Sphalerite>> <<Min: 127.1 - 128.1 0.5% Min: Pyrite>> <<Min: 127.1 - 128.1 0.1% Min: Chalcopyrite>> <<Alt: 127.5 - 133.7 Trace Chlorite>> 128.10 128.55 PEL Equigranular biotite + calcite +/- quartz rock <<Min: 128.1 - 128.55 0.1% Min: Pyrite>> <<Alt: 128.1 - 128.55 Moderate-Strong Calcite>> 128.55 131.30 RHYvx Quartz and/or feldspar crystal tuff 128.55 - 131.3: blue qtz eyes as 122.7-125.5m <<Min: 128.55 - 130 0.5% Min: Sphalerite>> <<Min: 128.55 - 130 1% Min: Pyrite>> <<Min: 129.8 - 130 0.5% Min: Pyrrhotite>> <<Min: 130 - 133.7 1% Min: Pyrite>> <<Alt: 128.55 - 131.3 Weak Calcite>> patchy and also as veinlets and mm bands | | | | | | | | | |

| From (m) | To (m) | Rocktype & Description | From (m) | To (m) | Width | Sample | Au ppm | Ag ppm | Cu % | Pb % | Zn % |
|----------|--------|---|----------|--------|-------|--------|--------|--------|------|------|------|
| 131.30 | 131.60 | PEL Equigranular biotite + calcite +/- quartz rock <<Alt: 131.3 - 131.6 Moderate-Strong Calcite>> | | | | | | | | | |
| 131.60 | 132.10 | RHYvx Quartz and/or feldspar crystal tuff 131.6 - 132.1: blue qtz eyes as 122.7-125.5m <<Min: 131.6 - 133.7 0.5% Min: Sphalerite>> <<Alt: 131.6 - 136.4 Weak-Moderate Calcite>> | | | | | | | | | |
| 132.10 | 133.70 | RHY undifferentiated rhyolite | | | | | | | | | |
| 133.70 | 134.80 | OI Heavily disseminated sulphides in host schist MCG 133.7 - 134.8: Heavily disseminated and discontinuous laminae, parallel to foliation of py (8% overall, sp (5%), including one 4 cm band massive sp, up to 2% diss cpy, irregular diss mag (approx 1%). <<Min: 133.7 - 134.8 5% Min: Sphalerite>> <<Min: 133.7 - 134.8 8% Min: Pyrite>> <<Min: 133.7 - 134.8 1% Min: Magnetite>> <<Min: 133.7 - 134.8 2% Min: Chalcopyrite>> <<Alt: 133.7 - 135.4 Trace Chlorite>> | | | | | | | | | |
| 134.80 | 135.40 | PEL Equigranular biotite + calcite +/- quartz rock 134.8 - 135.4: 20cm missing core <<Min: 134.8 - 135.4 1% Min: Pyrite>> <<Min: 134.8 - 135.4 1% Min: Magnetite>> | | | | | | | | | |
| 135.40 | 136.40 | OI Heavily disseminated sulphides in host schist MCG 135.4 - 136.4: Heavily disseminated and discontinuous laminae, parallel to foliation of pyrrhotite (8 % overall), 5% diss py, sp (5%), up to 1% diss cpy, irregular diss mag (approx 1-2%). <<Min: 135.4 - 136.4 5% Min: Sphalerite>> <<Min: 135.4 - 136.4 5% Min: Pyrite>> <<Min: 135.4 - 136.4 8% Min: Pyrrhotite>> <<Min: 135.4 - 136.4 1% Min: Magnetite>> | | | | | | | | | |

| From (m) | To (m) | Rocktype & Description | From (m) | To (m) | Width | Sample | Au ppm | Ag ppm | Cu % | Pb % | Zn % |
|---|--------|------------------------|----------|--------|-------|--------|--------|--------|------|------|------|
| <p><<Min: 135.4 - 136.4 1% Min: Galena>> <<Min: 135.4 - 136.4 1% Min: Chalcopryrite>> <<Alt: 135.4 - 139 Weak Chlorite>></p> <p>136.40 140.00 PEL Equigranular biotite + calcite +/- quartz rock</p> <p><<Min: 136.4 - 139 1% Min: Pyrrhotite>> <<Min: 139 - 140 1% Min: Pyrite>> <<Alt: 136.4 - 139 Weak Calcite>> <<Alt: 139 - 143.6 Trace Calcite>></p> <p>140.00 141.80 OI Heavilly disseminated sulphides in host schist MCG</p> <p>140 - 141.8: Heavilly disseminated sulfides; up to 1% cp, 0.5% galena, 2-4 % sp, 5% Py and 5% pyrrhotite. Poorly developed silic bands 141.0-141.4m.</p> <p><<Min: 140 - 141.8 3% Min: Sphalerite>> <<Min: 140 - 141.8 5% Min: Pyrite>> <<Min: 140 - 141.8 0.5% Min: Pyrrhotite>> <<Min: 140 - 141.8 5% Min: Magnetite>> <<Min: 140 - 141.8 0.5% Min: Galena>> <<Min: 140 - 141.8 1% Min: Chalcopryrite>> <<Alt: 140 - 141.8 Trace Chlorite>></p> <p>141.80 146.30 RHYv Rhyolite volcanioclastic</p> <p><<Min: 141.8 - 144.6 3% Min: Pyrrhotite>> <<Min: 141.8 - 145.6 1% Min: Pyrite>> <<Min: 145.6 - 146 2% Min: Pyrrhotite>> <<Min: 145.6 - 146 0.5% Min: Chalcopryrite>> <<Min: 146 - 146.3 0.5% Min: Pyrite>> <<Alt: 143.6 - 145 Trace Ankerite>> <<Alt: 143.6 - 146.3 Moderate Calcite>> and as diss and minor veinlets <<Struc: 144.7 - 145.7 Moderate Fault>> 20 cm gougy material, rest broken - crushed core.</p> <p>146.30 146.70 OI Heavilly disseminated sulphides in host schist MCG</p> <p>146.3 - 146.7: Heavilly disseminated, py buckshot textured. 10% py, 5% mg, 1% gn and 5% sp (Cominco assays are a lot higher!</p> | | | | | | | | | | | |

| From (m) | To (m) | Rocktype & Description | From (m) | To (m) | Width | Sample | Au ppm | Ag ppm | Cu % | Pb % | Zn % |
|----------|--------|--|----------|--------|-------|--------|--------|--------|------|------|------|
| | | <p><<Min: 146.3 - 146.7 5% Min: Sphalerite>> <<Min: 146.3 - 146.7 10% Min: Pyrite>> <<Min: 146.3 - 146.7 5% Min: Magnetite>> <<Min: 146.3 - 146.7 1% Min: Galena>> <<Alt: 146.3 - 146.7 Moderate Silicification>> <<Alt: 146.3 - 148.5 Weak Calcite>></p> <p>146.70 148.50 RHY undifferentiated rhyolite</p> <p>146.7 - 148.5: includes 20cm gouge and 20cm core rubble.</p> <p><<Min: 146.7 - 148.5 1% Min: Pyrite>> <<Alt: 148.4 - 172.8 Weak Muscovite>> fine grained , appears to be more abundant than muscovite present at top of the hole. <<Struc: 146.7 - 147.3 Moderate Fault>> 15 cm gouge, rest is broken core - rubble.</p> <p>148.50 152.10 RHYvx Quartz and/or feldspar crystal tuff</p> <p>148.5 - 152.1: includes sections where qtz eyes are rare to absent (149.25-151.6m) where rhy is finer grained and more biotitic - unit is likely strained and biotite altered version of RHYcf.</p> <p><<Min: 148.5 - 153.7 1% Min: Pyrrhotite>> locally concentrated in patches <<Min: 150.7 - 150.9 0.5% Min: Chalcopyrite>> <<Alt: 148.5 - 150 Weak-Moderate Calcite>> <<Alt: 150 - 156.4 Trace Calcite>> and rare bands, blebs</p> <p>152.10 153.70 PEL Equigranular biotite + calcite +/- quartz rock</p> <p>152.1 - 153.7: Finer gained and no qtz eyes as compared to units above and below. 153.45-153.7m: Biotite rich, could be a mafic dyke.</p> <p>153.70 155.80 RHYvx Quartz and/or feldspar crystal tuff</p> <p>153.7 - 155.8: Qtz eye (white and blue) and feldspar porphyry. Elongated feldspar crystals up to 1x0.5cm.</p> <p><<Min: 153.7 - 155.8 0.5% Min: Sphalerite>> dis in <cm bands <<Min: 153.7 - 155.8 0.5% Min: Pyrrhotite>> in discrete patches</p> <p>155.80 156.40 RHYv Rhyolite volcaniclastic</p> <p>155.8 - 156.4: no visible qtz eyes.</p> | | | | | | | | | |

| From (m) | To (m) | Rocktype & Description | From (m) | To (m) | Width | Sample | Au ppm | Ag ppm | Cu % | Pb % | Zn % |
|---------------|---------------|---|----------|--------|-------|--------|--------|--------|------|------|------|
| | | <<Min: 155.8 - 157.6 0.5% Min: Pyrite>> diss in patches | | | | | | | | | |
| | | <<Min: 155.8 - 157.6 0.5% Min: Pyrrhotite>> diss in patches | | | | | | | | | |
| 156.40 | 157.00 | PEL Equigranular biotite + calcite +/- quartz rock | | | | | | | | | |
| | | <<Alt: 156.4 - 157 Moderate-Strong Calcite>> | | | | | | | | | |
| 157.00 | 167.95 | RHYcf Feldspar & feldspar quartz porphyry | | | | | | | | | |
| | | 157 - 167.95: 157.6- 160; increase in strain intensity (qtz eye elongation) and bleached with muscovite alteration with vuggy brx calcite vein (30cm) and 20cm of bull qtz vein 159.5-160.0m. 160.0-165.2; massive homogeneous RHYcf (core of sill or flow), sub euhedral fel | | | | | | | | | |
| | | <<Min: 157.6 - 159.9 0.01% Min: Pyrite>> | | | | | | | | | |
| | | <<Min: 159.9 - 166 1% Min: Sphalerite>> diss and in <1-10mm folia and bands with py | | | | | | | | | |
| | | <<Min: 159.9 - 166 3% Min: Pyrite>> diss and in <1-10 mm qtz folia and bands with sp. | | | | | | | | | |
| | | <<Min: 166 - 167.9 1% Min: Sphalerite>> diss and in thin folia - veinlets. | | | | | | | | | |
| | | <<Min: 166 - 167.9 3% Min: Pyrrhotite>> diss and in thin folia and one mm wide veinlet. | | | | | | | | | |
| | | <<Min: 166.5 - 166.6 0.1% Min: Magnetite>> | | | | | | | | | |
| | | <<Alt: 157 - 158 Weak Calcite>> | | | | | | | | | |
| | | <<Alt: 158 - 159.8 Moderate-Strong Calcite>> calcite veining 159.5-159.8m | | | | | | | | | |
| | | <<Alt: 159.8 - 160.3 Weak-Moderate Calcite>> | | | | | | | | | |
| | | <<Alt: 160.3 - 167.95 Weak Calcite>> mostly calcite altered feldspar phenos. | | | | | | | | | |
| | | <<Alt: 167.1 - 169.7 Weak Chlorite>> weak chlorite in Mafi and in cores of more intense strain zones. | | | | | | | | | |
| | | <<Vein: 159.4 - 159.8 0% Calcite>> | | | | | | | | | |
| | | <<Vein: 159.6 - 159.8 100% Quartz>> | | | | | | | | | |
| | | <<Vein: 159.9 - 166 2% Quartz-Sulphide>> <1mm-10mm qtz-py-sp foliation parallel veinlets and bands,irregular margins, sulfides also as disseminations. | | | | | | | | | |
| | | <<Struc: 157.6 - 160.5 Weak Fault>> zones of broken core, bleached and calcite altered 158-159.8 including 40cm vuggy calcite vein. | | | | | | | | | |
| 167.95 | 168.40 | PEL Equigranular biotite + calcite +/- quartz rock | | | | | | | | | |
| | | 167.95 - 168.4: two types of dyke, one the usual fine - med calcite rich biotite dyke, other the green calcite replaced med grained qtz-feld-chlorite dyke. | | | | | | | | | |
| | | <<Alt: 167.95 - 168.4 Moderate-Strong Calcite>> | | | | | | | | | |

GeoSpark Logger ~ Drill Log

Project:

KZK

Hole Number:

K98-197

| From (m) | To (m) | Rocktype & Description | From (m) | To (m) | Width | Sample | Au ppm | Ag ppm | Cu % | Pb % | Zn % |
|--|---------------|--|----------|--------|-------|--------|--------|--------|------|------|------|
| 168.40 | 172.80 | RHYcf Feldspar & feldspar quartz porphyry | | | | | | | | | |
| <p>168.4 - 172.8: Strained section of RHYcf as described 157-167.95m.</p> <p><<Min: 168.4 - 172.8 0.1% Min: Sphalerite>></p> <p><<Min: 168.4 - 172.8 2% Min: Pyrrhotite>></p> <p><<Alt: 168.4 - 172.8 Weak-Moderate Calcite>> diss and as thin discontinuous veinlets - bands.</p> <p>End of Hole @ 172.8</p> | | | | | | | | | | | |