

DRILLHOLE: DDH-31A BX PLATINUM BLONDE  
 COORDINATES: (LRS2 grid) Latitude= 0.00 meters Departure= -0.75 meters

TRUE AZIMUTH OF HOLE: 0.00 VERTICAL ANGLE: -45.00

COLLAR ELEVATION:

TOTAL DEPTH OF HOLE: 177.00ft.

Logged by: JRR on ... 09DEC86

FROM 0.00FT. TO 10.00FT.

OVERBURDEN: ROTARY DRILLED ,

FROM 10.00FT. TO 29.40FT.

ANDESITE very dark black,  
 Textures noted: VERY FINE GRAINED , PORPHYRITIC  
 5% MAGNETITE as disseminations and scattered crystals  
 2.5% HEMATITE as veins and/or abundant envelopes  
 5% CALCITE as veins and/or abundant envelopes  
 CRACKLE-BRECCIATED THROUGHOUT.

FROM 11.50FT. TO 14.40FT.

100% of this subinterval is

SYENITE ,  
 Structures noted: TOP CONTACT dip 095,  
 .1% PYRITE as disseminations and scattered crystals  
 .3% CALCITE as microveins

FROM 29.40FT. TO 33.30FT.

FAULT BRECCIA ,  
 .3% PYRITE as disseminations and scattered crystals  
 2.5% HEMATITE as pervasive  
 5% CALCITE as vns, microvns, selv. & envel. w some perv./dis. min'l.

FROM 33.30FT. TO 53.70FT.

INTRUSION BRECCIA red and black,  
 .3% PYRITE as disseminations and scattered crystals  
 1% MAGNETITE as disseminations and scattered crystals  
 .3% HEMATITE as veins  
 5% CALCITE as veins and/or abundant envelopes  
 2.5% LIMONITE as veins and occasional envelopes  
 SULFIDE-RICH INTERVALS AT 39.1-39.6 AND 50.4 FT. ARE  
 OXIDIZED TO LIMONITE AND HAVE LEACHED THE ROCK.  
 BRECCIA INCLUDES CLINOPYROXENITE, SYENITE, ANDESITE,  
 AND SHONKINITE.

DRILLHOLE: DDH-31ABX PLATINUM BLONDE  
cont'd

FROM 50.80FT. TO 53.30FT.

100% of this subinterval is the same as 33.30FT. to 53.70FT. except as noted  
1% PYRITE as disseminations and scattered crystals

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FROM 53.70FT. TO 65.80FT.

SYENITE, VAR. SHONKINITE dark black,  
Textures noted: SUB-OPHITIC  
.3% PYRITE as disseminations and scattered crystals  
.3% HEMATITE as vns, microvns, selv. & envel. w some perv./dis. min'l.  
1% CALCITE as veins and/or abundant envelopes  
1% LIMONITE as veins and occasional envelopes

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FROM 65.80FT. TO 109.60FT.

AUGITE SYENITE pink and green,  
Textures noted: EQUIGRANULAR, PORPHYRITIC  
2.5% CHLORITE as pervasive  
2-4 MM EUHEDRAL K-SPAR PHENOCRYSTS. SPARSE  
1-1.5 CM EUHEDRAL K-SPAR PHENOCRYSTS. PATCHES  
OF PERVASIVE CHLORITIC ALTERATION.

FROM 74.10FT. TO 109.60FT.

100% of this subinterval is the same as 65.80FT. to 109.60FT. except as noted  
green and pink,  
trace PYRITE as disseminations and scattered crystals  
5% HEMATITE as veins and/or abundant envelopes  
5% QUARTZ as eyes, augen  
30% CHLORITE as pervasive  
2.5% SILICA as microveins, and veins  
HEMATITE STAINING INTERMITTENT, IGNEOUS TEXTURE  
TOTALLY DESTROYED IN INTERVALS OF STRONGEST  
ALTERATION.

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FROM 109.60FT. TO 125.50FT.

PYROXENITE very dark grey,  
Textures noted: EQUIGRANULAR  
2-4 MM GRAINS.

FROM 113.00FT. TO 114.90FT.

100% of this subinterval is  
SYENITE, VAR. SHONKINITE pink and black,  
.03% HEMATITE as vns, microvns, selv. & envel. w some perv./dis. min'l.  
"POTASH FELDSPAR" APPARENTLY INTRODUCED MAY BE  
PLAGIOCLASE STAINED BY HEMATITE.

DRILLHOLE: DDH-31ABX PLATINUM BLONDE  
cont'd

FROM 114.90FT. TO 115.10FT.  
100% of this subinterval is

SYENITE medium grey,  
.3% CALCITE as microveins

FROM 115.10FT. TO 118.90FT.

100% of this subinterval is the same as 109.60FT. to 125.50FT. except as noted  
1% HEMATITE as clasts  
1% CALCITE as veins

FROM 118.90FT. TO 122.20FT.

100% of this subinterval is

SYENITE pink and grey,  
Structures noted: TOP CONTACT dip 090,  
NO CALCITE veins  
CUT BY YOUNGER, DARK RED-BROWN SYENITE DIKE.

FROM 122.20FT. TO 125.50FT.

100% of this subinterval is the same as 109.60FT. to 125.50FT. except as noted  
.3% PYRITE as disseminations and scattered crystals  
1% MAGNETITE as disseminations and scattered crystals  
5% CALCITE as microveins, and veins  
.3% PYRITE as blebs

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FROM 125.50FT. TO 177.00FT.

SYENITE, VAR. SHONKINITE pink and black,  
.03% PYRITE as microveins  
.3% MAGNETITE as disseminations and scattered crystals  
.3% HEMATITE as stainings or tarnish  
1% CALCITE as microveins, and veins  
.3% HEMATITE as microveins  
CUT BY SEVERAL SYENITE DIKES EXHIBITING LOCAL POTASH  
METASOMATISM AND RECRYSTALLIZATION OF PYROXENES IN  
THE ADJACENT SHONKINITE.

FROM 151.50FT. TO 152.50FT.

100% of this subinterval is

SYENITE medium grey,  
Structures noted: TOP CONTACT dip 095,  
NO METASOMATIC HALO, BRECCIATED.  
END OF HOLE 177.0 FT.  
RECOVERY GOOD.

/END