

may 22 -PT/PW

861171  
Shear

- 27676 13350 24932 tr#15 fc 1050e rs 30 cpd> fe>  
-int bx w/ dr matrix; mostly green volc clasts, but minor angular mz clasts;  
minor rusty fc; looks like lahar on edges; mod mag
- 27677 13348 24935 tr#15 rs 25  
-same as above; in contact w/ green xtal plag porph tuff w/ perv ca alt and  
cl clots
- 27678 13358 24898 pit#10 fc14080ners25 mc)  
fe)  
-plag porph xtal tuff matrix w/ lap frags(mainly volc+ minor dr and trace mz)  
rust,mal on n/s fc; sample taken e/w;other fc at 125/20ne and 60/80nw
- 27679 13358 24900 pit#10 rs 30  
-same as 27678;sample taken n/s
- 27680 13400 24865 tr#9 fc 4090 rs 30 cpd. mc+  
-coarse heterolithic lahar w/ 2% mal clasts;rusty;frags 2 to 20 cm;altered  
xtal tuff to east
- 27681 13327 24900 tr#13 fc 7680s rs 60an9dr1cpd> mc)  
-lap/xtal tuff w/ 10% dr clasts;other fc at 170/60e
- 27682 13180 25000 tr#17 fc 3080e rs100 epp>ca>mc)  
-lap tuff w/ mal in clasts(minor dr); n/s strat;1%, 2cm cl clots;minor ep-v
- 27683 12885 25075 pit#11 fc17085w rs 30 mc)  
-coarse lap tuff w/ minor dr clasts;w-m mal;other fc at 110/80w
- 27684 13260 24783 shft21 fc12080ners 10 cud>ccm) epb+ca+  
-maroon lap tuff w/ patchy ep and massive ca vein assoc w/ wiry native cu  
and cc,bn,mal;other fc at 80/85 s
- 27685 13262 24811 shft22 fc 5780sers 10 ccm+  
-greenish maroon xtal lithic tuff w/ 30%lap frags(2-6cm) composed mainly of  
subang volc frags w/ minor dr frags;some massive cc veinlets assoc w/ca,ep  
-local strong ep patches assoc w/ ca,cc,bn,mal,azur;tr native cu;

-no rust or py;minor siderite,biotite,hem blebs;other fc at 120/65ne

27686 13260 24739 shft23 fc 6070sers12 cud>ccm) mc+  
-high grade vein 2-6cm wide,massive cc,native cu,digenite,mal,azur  
-100 yr old mine site;lap tf w/ minor dr frags;bedding in xtal tf at 160/65w  
-interbedded lahar band(2m) just east of shaft (contact at 112/80w); 1% ca veinlets  
and perv carb;fc parallel to intense shearing;ca/ep vein assoc w/ cu;  
-minor red and spec hem;minor vuggy qtz

27687 13260 24750 shft22 rs10  
-cont of high grade vein/shear in 27686, but appears to be lower conc of copper  
minerals; sample influenced by 5m zone of sheared fc at 112/80 w

27688 13097 25015 pit18 fc 7070n rs 40  
-surface sample;less than 1 cm wide sheared fc at 38/80nw;maroon lap tf  
w/ minor lahar and mod dr frags(minor mz);mal patches;mineralization  
assoc w/ cl/ep altered angular frags;strong ca alt w/ sheared fc

27689 13095 25017 adit19 sh 2070sers 20  
-same as 27688(about 5m directly below in adit);30% lap frags larger than  
2cm;perv ca alt and random ca veinlets(mainly n/s);mod blebby mal and rust

C: expl/shear/geolog

q: shear.roc

PI - Shear

*27501	14850	220051109	otcr	105pmtf	fc17040	Wrs	15anx			HeP5Ep)Mc)
										-slickenslides at 50/175 on Fc at 150/80E; carb veinlets
*27502	14825	220101109	otcr	105pmtf	fc 6065	Egs	3anx			HeP5Ep)Mc)
										-angular hematized clasts to 5 cm
*27503	14810	220001105	otcr	105pmtf	fc11578S	Wrs	13anx			HeP5Ep)Mc)
										-Fc w/ ep/ca
27504	14796	219971105	otcr	105pmtf	fc 2070	Ers	6anx			HeP5Ep)Mc)
*27505	14796	220011105	otcr	55pmtf	fc 4070	Ers	15anx			HeP5Ep)Mc.
										-weak perv.ep; fine lapilli tuff
*27506	14050	21900	otcr	5pmtf	fc14650S	Wgs	anx			HeP5Ep)Fe.
										-cl coated fractures; subround clasts
*27507	14077	20960	otcr	5G em		gs	dr8an2			clP1Ep+Fe)
										-rusty ca vein; contact B/w dr and cl flow
27508	15075	22125	otcr	5pmtf		gs	anx			HeP5 Mc)
*27509	12950	20650	otcr	5A em	fc 5060S	Egs	mz5an5pyd(mtd.			Fe)
										-rusty contact b/w qtz mzdr and green chloritic volc.
*27510	12900	20600	otcr	5gaem	jt 3490	gs	drx	cpd.		mc)
										-hbl dr near volc contact; joints parallel to scarp
*27511	13425	23280	otcr	5pg	fc10522	Sgs	anx	ccd(		Epv)ca)Mc)
										-high grade vein
*27512	13460	23255	otcr	5pm	fc16580	Wrs	10anx	ccd.		Epv)ca)Mc)
										-appears sheared (closely spaced fractures)
*27513	13333	22905	pit	5pm	fc 6075N	Wrs	10anx	cu)		Epv)ca)Mc)
										-E/W sample; native copper disseminated blebs; strong mag in spots; other fc at 42/70 SE; bedding at 178/80W
*27514	13325	22905	pit	5mgtf	fc 1680W	rs	20anx			Epv* Mc)

-crystal lithic tuff;bedding at 178/80W

27515	13287	22905	pit	5pmtf	fc17090W	rs	10anx		Epv*	Mc)				
										-other fc at 200/75W				
*27516	13233	22905	pit	5pmtf	fc17585W	rs	13anx		Epv*	Mc.				
										-maroon tuff				
*27517	13200	22620	pit	5pmtf	fc16690	rs	12anx		FeP+	Mc+				
										-crystal to lapilli tuff;fc at 105/30W, 150/80W,Bd at 170/80W				
*27518	13170	22640	pit	5	5pmtf	fc	9288S	rs	7anx	Epv+	Mc+			
										-maroon lap. tuff;fc at 34/80W, 42/60 SE,20/30E				
*27519	12440	22680	pit	5	5gaem	fc16290	rs	12dr8an2		clplep=Mc+				
										-contact b/w dr and green volc;mal on N/S fractures				
*27520	12370	22640	pit	5g	fc	1570E	rs	10drx	cpd.	epv=ca=Mc)				
										-contact b/w dr and green aug.porph;mal stains about N/S;fc at 66/80N				
> *27521	12215	22780	pit	5g	fc	0880W	rs	15drx		epp*ca=Mc+				
										-sheared dr w/ mal on lcm fc's				
*27522	12650	22775	otcr	5	5g	tf	fc16078E	gs	anx	pyd*cpd.	clp3calfe)			
										-strong mag; near dr contact				
*27523	12560	22930	otcr	10	5gaem	fc12490	gs	dr9an1cpd.		epp+ca2Mc)				
										-xenolithic dr near volc contact and fault to west				
> *27524	12595	22630	pit	5	5g	tf	fc	4075e	rs	anx	cpd.	epv+	Mc+	
														-near dr contact; some rust on fc
*27525	13150	23250	otcr	20	5gmtf	fc18080	Wgs	anx	ccd*		epb+			
														-0.5% dusty disem grey/black sulfide(not magnetic);also some reddish grains (<1mm) which could be hematized mafics
*27576	13900	21850	otcr	5g				anx			epv+	Mc)		
														-imminent fractures;mal stain in Fc in aug porph volc;mod ep veins; mod mag w-m perv ep

\*27577 12550 23030 otc 5g fc16060w rs 12anx mc)  
 -altered green volc w/ minor mal(close to dr); rusty fc

\*27578 12451 23055 trch 5ga fc17680w rs 18dr9an1 cap1 mc)  
 -mal in carb shear in dr;fc at 180/90, 100/50s

\*27579 12451 23045 trch 5ga sh16880w rs 20drx cap2 mc\*  
 -less mal and more shearing(ca) than 27578

\*27580 12305 23065 pit 5g fc18450w an5dr5 epv= mc)  
 -near contact b/w dr and volc; 3m deep shaft;mod to strong ep veins;fc at 48/80nw

\*27581 12255 22990 trch 5g fc17830e gs drx  
 -rusty ca vein w/ py blotches and mal boulders in trch

\*27582 12390 23275 pit 5g fc20090 gs dr8an2cpv( epv+ mc)  
 -xenolithic dr w/ minor cpy vein and mal; some monzodr;lots of rust

\*27583 12030 23430 otc 5g pp fc17680w gs drx ccb. epv=ep+mc.  
 -altered dr (plag porph 2-3mm);other fc at 62/80n

\*27584 12000 22950 otc 5g tf gs anx cpv. clp2ca=fe=  
 -altered augite porph volc with rusty fc(+/-cpy);mal nearby in fc at 30/60w

\*27585 11660 23360 pit 5rgbx fc 6675sers 10dr5mz5pyb)cpd.bnd.epb+cl=fel

\*27586 11390 22780 pit 5mgfw fc 6080segs anx mc=  
 -maroon amygdaloidal flow w/ mal stain on fc; very little epidote

\*27587 11300 23280 otc 5gabx gs dr7mz3pyd<cpd. epb+calaz<  
 -diorite bx w/pink syenite subround clasts and monz. w/ minor green volc clasts; rusty fc; rubbly o/c; copper colored sulfide is probably tarnished py

\*27588 11150 23250 otc 5raem fc 1560 wgs drx pyd=cpd. epv+  
 -not magnetic; rusty rubble pile

\*27589 11010 22950 otc 5gatf fc 2445 egs dr5an5hed) epv+ fe)

-near contact b/w med dr and green xtal tuff; rusty patches;mod v-ep

- \*27590 10980 22080 pit 5mrtf fc 9550 ngs anx fel  
-rusty fc in maroon lapilli tuff near dr contact
- \*27591 10800 23210 otc 5g bx fc13080n gs an>dr3cud> clp2ep>fe.  
-native Cu(1mm)(0.3%) is disem but very patchy;5-10% dr clasts; some matrix  
appears intrusive
- \*27592 10790 23050 otc 5g pp fc 3580segs dr5an5ccd> epv+  
-aug porph(3mm)(20%)flow near dr contact;possible cc;not mag
- \*27593 10750 23020 otc 5gapp fc15570w gs anx pyd. epv=calmc)  
-ca/ep/mal assoc w/ fc;mod rusty patch-py; mod clay weathering
- \*27594 10500 22750 pit 5rgtf fc 8070s gs an9dr1pyd> epv)calmc+  
-rusty fc zone w/ mal; pit in scarp face at 40/70w; near volc bx
- \*27595 10850 22370 pit 1\*2 5grtf fc13275negs epv+ mc)  
-pit near dr/lap tf contact
- \*27596 10630 22870 pit 5m 5gatf fc 2580 egs epv)cllfe+  
-hfls contact b/w lap tf and maroon amyg flow w/ a dr dyke near to contact  
sheared o/c(cl); some ca/fe shears; near recrystallized volc(olivine);  
4 old pits above a recent drill pad
- \*27597 11200 22850 pit 5g tf fc 6570 ngs anx epv>calfe)  
-ca fc or shear; close to amyg flow; shear prob assoc w/ fault scarp,  
15 m east
- \*27598 11050 23500 otc 5g tf fc15070 wgs an5mz5pyd)mtd) fe>  
-contact b/w mz dyke and crystal tf, strong mag, rusty py blebs
- \*25576 11610 23450 trch#1 4505gabx fc 9280nwrs50 dr5mz5pyb+mtd> epb+si=fe)  
-trench 92-1 samples 0 to 17.5m from sw  
-intrusive bx: dr matrix w/ >10% mz subang clasts and <5% syenite clasts;  
-blebby py + ep (3-4mm)(2-5%);patchy st-mag
- 25577 cont tr#1 same fc 1065e rs50

25578 cont tr#1 same rs50  
 25579 cont tr#1 same rs25  
 25580 11630 23450 tr#1 4503g fw fc 9870sers25 an9dr1pyd> clp1ca=  
 \*25581 cont tr#1 same as 25580:aug porph flow- cl/ca/si alter.;mod mag;  
 -augites(3-6mm)(20%);10% plag porph(2\*4mm); minor py  
 \*25582 same as 25579 rs25  
 \*25583 11610 23450 tr#1 450 5r gs fel  
 -sample of rusty fericrete w/ dr cobbles  
  
 \*25584 11550 23508 tr#2 400 fc 6672s rs50 pyb+ epb+cl+mc.  
 -intrusive bx: dr matrix w/ 15% monz clasts(subang), 5% syenite clasts(pink)  
 and about 5% aug porph flow clasts; clasts range b/w 1 to 5cm;perv carb  
 and silica;shear at 118/60ne;samples start from sw end of trch  
  
 25585 cont tr#2 rusty fc 1874e rs50  
 25586 cont tr#2 fc 2070w rs50  
 \*25587 cont tr#2 fc 6650sers50  
 -rusty ferricret above;close 1cm fc w/ ca alt. at 138/70ne  
  
 25588 cont tr#2 rs25  
 25589 cont tr#2 rs25  
 \*25590 cont tr#2 rs25  
 -angular qtz vein bldr w/ 20% cpy nearby  
  
 25591 cont tr#2 rs25  
 25592 cont tr#2 fc 5850sers25  
 \*25593 11423 23757 tr#4 5gtf fc10060n rs65 clp1 fe+  
 -altered green crystal tuff w/ some aug porph and microdr clasts;weak py  
 fc subparallel to rusty shear(3 cm);samples begin from sw end; rusty  
 sheared ca alt. contact at 134/55ne  
  
 \*25594 cont tr#4 fc16480e rs50 pyd>cpd. epv> mc>  
 -microdr w/ minor bx of cl volc  
  
 25595 cont tr#4 fc 4480sers60  
 \*25596 cont tr#4(17.5-21.5m) rs40 pyb+cpd. epb>  
 -silic monz dyke (med red/grey);mod py(up to 5%); dyke contacts at  
 100/70n (rusty,carb alt,friable, 10 cm zones); resistant zone

\*25597 cont tr#4 fc10065n rs50 pyd> mc.  
 -microdr bx w/volc and minor monz clasts

25598 cont tr#4 rs50  
 25599 cont tr#4 fc 2780nwrs60

\*25600 11220 23550 tr#5 320 5gem fc14560swrs40 pyd)cpd>mtd) mc>  
 -microdr bx w/ dr and volc clasts;strong mag;fc w/ tr mal;rusty fc at  
 97/65s; samples start from west end; up to 1% cpy(avg <0.5%)

25601 cont tr#5 rs30  
 \*25602 cont tr#5 rs50  
 -same as above, but getting ca alt, shearing to east

\*25603 cont tr#5 rs40  
 -rusty ca alt shear; friable gouge; no orientation visible,but assumed to  
 be n/s

\*25604 cont tr#5 fc10565n rs55 pyd>  
 -green volc bx(mainly aug porph flow) w/ minor dr clasts;weak mag;weak py;  
 rusty stain, ca veinlets w/i 5m of shear;above old drill pad;

25605 cont tr#5 fc17050w rs50  
 \*25606 11615 23550 tr#3 200 rs20  
 -samples start from ne end

25607 cont tr#3 fc 4050sers30  
 25608 cont tr#3 rs30 pyd+  
 25609 cont tr#3 rs30  
 25610 cont tr#3 fc17065w rs30 cpd. mc.  
 -all are: microdr matrix w/ 5% monz frags, 1-2% syenite frags,minor volc  
 (aug porph) clasts(angular); ep blebs(avg 4-5mm)(3%);ubiq disem py blebs  
 (<5%);intense rust and mod Mn on surface fc; contact w/ overburden is fe/  
 ca alt.,mostly covered w/ fericrete;extensive silic;very little mag(patchy)  
 bottom of glacial till has crude stratification dipping 20 ne

\*25611 11613 24075 tr#8 300 5g fc13680e rs50 pyd. epv>  
 -samples begin on east end;all are green crystal tuff w/ cl altered mafics  
 -some alligned plag(subhedral);looks like microdr in places-possibly bx  
 -no perv ep;weak to zero mag;ep/cl fc increase toward west dr contact  
 -cl/ca/ep conc at contact(sheared)-assoc w/ mal,ca



25612 cont tr#8 fc 4680n rs50  
25613 cont tr#8 fc 5085s rs50  
25614 cont tr#8 rs50  
25615 11613 24050 tr#8 fc 2275sers50

mc>

-last sample in tr#8(to west); microdr dyke;tr cpy; some py veinlets  
(also ca) near contact;overburden is till/colluvium(2-3cm thick) w/  
distinct rusty B horizon above a leached ca stained C horizon

\*27526 24900 13300 pit gs  
-mal stain in fc maroon lap tuff(heterolithic)

\*27527 23775 13100 trch rs 20  
-mal stained maroon volc

\*27528 23775 13100 trch rs 30  
-strong mal, also cc in fc in maroon fragmentals

\*27529 occ. 6 adit  
-70 to 80 feet; ref: Amax-Godfrey report adit map

\*27530 occ.6 adit rs 33  
-60 to 70 feet; ibid.

\*27531 occ.6 adit rs 33  
-50 to 60 feet; ibid.

\*27532 occ.6 adit rs 33  
-10 to 20 feet; fracture controlled mal,cc

\*27533 occ.6 adit rs 33  
-0 to 10 feet; ibid.

\*27534 13000 23420 adit gs  
-strong fc at 32/60s; ca/mal fc;silic frags in lap tuff

\*27535 23540 41610 gs  
-big kid

\*27536 23540 41610 rs 25  
-big kid trench 16 to 18.5 m

\*27537 in sequence from previous rs 10  
-30 to 31 m

\*27538 in sequence from prev.  
-52.5 to 55.5

\*27539 in seq. from prev.  
-60 to 65 m

\*27540 11500 23600 rs 50  
-n/s chip

\*27541 11500 23600 rs 50

\*27542 24225 11375 gs  
-road cut below old trench; fracture controlled py in microdiorite

\*27543 23515 11540 gs  
-microsyenodiorite bx w/ 1-5% disem. fm py (about 1%cpy);kspars flooded

\*27544 23590 11490 gs  
-heterolithic bx w/ patchy fracture controlled py, lesser cpy

\*27545 Kidd#1 (1972) adit76ft fc 2035nwrs20ft mc+  
-dr bx w/ zone on east wall containing 5% sulfide;5 ft wide shear on east end  
of sample(rusty,ca alt)

\*27546 Kidd#1 cont rs20ft  
-consecutive 20ft sample in feldspar porph andes bx  
-occ#12 in Godfrey report

\*27547 Kidd#2(1972) adit rs12ft  
-small bx zone w/ up to 5% sulfides;start of RCW adit#3(1992)

\*27548 Kidd#2(1972) cont 5g an8dr2pyv)cpd. clplcal  
-andes bx, minor dioritization;rusty shear up to 6ft wide at 165/30sw;  
-strongly fc;variable local s-carb alt and veined;local microdr

\*27565 adit#3(1992) 70 sh 6770n rs60 pyv>cpd.  
-silic andes,microdr bx;patchy fc py;adit at 54az;sample from 66 to 60m

\*27566 cont ad#3 sh12042n rs100  
-sample from 60 to 50m;mixed andes/microdr/monz(fp) bx;patchy py;some fine cpy

\*27567 cont ad#3 sh11558n rs100 pyv>cpv.  
-sample from 50 to 40m;similar to 27566;carb veins along structures;

fc controlled py,cpy;other shears at 150/55ne and 120/42s

- \*27568 cont ad#3 - sample from 20 to 10m;strong fc along curved fault(20/70w) w/  
vertical slickenslides;local strong mal stain; numerous ca  
veins; patchy sulfides
  
- \*27569 cont ad#3 - sample from 10 to 0 m;entrance cleared by excavator; strong subvertical  
structure follows adit; subparallel carb veinlet;fault zone
  
- \*27570 11853 23560 tr#6 450 5gem fc 9090 rs30 dr9an1 epv)  
-sample at 2 to 5m
- \*27571 cont tr#6 rs50  
-sample at 8.5 to 13.5m
- \*27572 cont tr#6 rs60  
-sample at 13.5 to 19.5m;contains 2m block of plag porph andes(green) w/  
mod fc; stronger ep-v
  
- \*27573 cont tr#6 rs100  
-sample from 19.5 to 29.5m;more massive jointed fm grained microdr; weak  
perv and vein ep; local f.py;sections of finer andes(xenoliths?)
  
- \*27574 cont tr#6 rs100  
-sample from 29.5 to 39.5m;more closely jointed(5-10cm)microdr;v.w.ep;  
-local f.carb veins;sparse f.py  
-all tr#6 samples above: f. microdr w/ f. ep veinlets;med green;mod fc;  
fm grained equigran.;variable ep;mod to m-s mag;predominant jointing  
10 to 20 cm, e/w, subvertical
  
- \*27575 11850 23600 tr#6 450 5gtf fc rs40 an8dr2pyv) cav>  
-sample at 42 to 46m;mixed andes > microdr;andes is locally porph;local  
ca veinlets; fc controlled py up to 1-2%;overlain by 1.5m of gravelly till,  
subangular to subround fragments(2-10cm);sandy-silt matrix
  
- \*27626 11856 23604 tr#6 rs50  
-section of strongly fc epid alt. andes and less epid alt. microdr;  
-sample at 54 to 59 m
  
- \*27627 11859 23604 tr#6 rs40 pyd. epv)  
-andes bx w/ subangular frags(1-2cm);weakly altered in fm epid matrix;

ep veins common; sparse py

- \*27628 11859 23612 tr#6 80m pit fc 6690 rs15  
-1.5m wide exposure; well jointed m to m/c silic monz; parallel narrow  
qtz carb vein/veinlets; much limonite; over 5% med disem and fc controlled  
py; cpy/gypsum on some joints
- \*27629 11999 23745 tr#7 4105gaem fc 9070s rs40 dr9an1 epv)  
-f microdr; massive jointed; possibly metamorphosed andes; variable w-m ep  
-start of trench going eastward
- \*27630 cont tr#7 rs30  
-from 4 to 7m; mod/s fc andes/microdr; mod/s ep alt and veining; local mal  
on fc; disem fc controlled py, cpy; more strongly fc w/ ep slickenslides;  
perv ep; carb veinlets 1-2% fc controlled fine py; lesser cpy
- \*27631 cont tr#7 rs40  
-from 7 to 11m; largely fc andes w/ variable mod ep alt; local sections of  
more massive microdr; local zones w/ ca veining
- \*27632 cont tr#7 rs60  
-from 11 to 17m; same as 27631; contains a 1m microdr dyke (more massive  
fm equigran.) b/w 16 and 17m
- \*27633 cont tr#7 fc 8085s rs25  
-from 17 to 19.5m; steeply dipping; coarse carb vein (2-10cm) w/ sharp contacts  
-brecciated w/ strong ep veining and alt.
- \*27634 cont tr#7 rs45  
-from 19.5 to 24; patchy o/c of ep veined, massive microdr-local carb; 10cm  
ca vein at 82/80s
- \*27635 cont tr#7 rs50  
-from 24 to 29m; mod fc; variable ep altered andes; sections have vague microdr  
textures
- \*27636 cont tr#7 rs50  
-more massive fm equigran microdr; from 29 to 34m



BB- Stead

25561	14650	21950		ufg	fc 3090	gs		mg	epfscbs	
25563	12200	20750		mg	ss33090		dr	pyd)	ep	he
27551	12600	23600	10		sh 8090	gs 10mz	codm			mc
27552	12600	23600			sh 8090	gs 50vb2mz8ccdm				mc
27553	12675	23600			360	gs150bx				
27554	12600	23850			sh36090	150dr6mz3			clps	li
27555	12480	23670		pit 4*4	ywfg	dy 8070s	cs 50mzx	cpd1pyd3		mc
27556	12480	23670		pit 4*4	gfg		anx	pyd)		li
27557	12500	23730		trnc	3gwmg		cs500mzx	pyd)	epds	li
27558	12380	23630		pit 1*1	gmg	dy 5050secs500an9mz1pyd)			ep	ml
27559	12400	23600		pit 3*34	gwmg	dy 4090	cs200mz9	cpd)pyd)		mc
27560	12300	23620		otcr	wgmg	jt 7070s	cs 15drx	pyd)		mc
27561	12200	23600		trnc	fr	dy30070swcs	15dr3md7pyd)		epv1cb1mc	

C: expl/shear/geolog

q: shear.roc

PT - Shear

- West  
9/10/01
- ✓ \*27501 14850 220051109otcr 105pmtf fc17040 Wrs 15anx HeP5Ep)Mc)  
-slickenslides at 50/175 on Fc at 150/80E; carb veinlets
  - ✓ \*27502 14825 220101109otcr 105pmtf fc 6065 Egs 3anx HeP5Ep)Mc)  
-angular hematized clasts to 5 cm
  - ✓ \*27503 14810 220001105otcr 105pmtf fc11578SWrs 13anx HeP5Ep)Mc)  
-Fc w/ ep/ca
  - ✓ 27504 14796 219971105otcr 105pmtf fc 2070 Ers 6anx HeP5Ep)Mc)
  - ✓ \*27505 14796 220011105otcr 55pmtf fc 4070 Ers 15anx HeP5Ep)Mc.  
-weak perv.ep; fine lapilli tuff
  - ✓ \*27506 14050 21900 otc r 5pmtf fc14650SWgs anx HeP5Ep) Fe.  
-cl coated fractures; subround clasts
  - ✓ \*27507 14077 20960 otc r 5G em gs dr8an2 clP1Ep+Fe)  
-rusty ca vein; contact B/w dr and cl flow
  - ✓ 27508 15075 22125 otc r 5pmtf gs anx HeP5 Mc)
  - ✓ \*27509 12950 20650 otc r 5A em fc 5060SEgs mz5an5pyd(mtd. Fe)  
-rusty contact b/w qtz mzd r and green chloritic volc.
  - ✓ \*27510 12900 20600 otc r 5gaem jt 3490 gs drx cpd. mc)  
-hbl dr near volc contact; joints parallel to scarp
  - ✓ \*27511 13425 23280 otc r 5pg fc10522 Sgs anx ccd( Epv) ca)Mc)  
-high grade vein
  - ✓ \*27512 13460 23255 otc r 5pm fc16580 Wrs 10anx ccd. Epv) ca)Mc)  
-appears sheared (closely spaced fractures)
  - ✓ \*27513 13333 22905 pit 5pm fc 6075NWrs 10anx cud) Epv) ca)Mc)  
-E/W sample; native copper disseminated blebs; strong mag in spots; other fc  
at 42/70 SE; bedding at 178/80W
  - ✓ \*27514 13325 22905 pit 5mgtf fc 1680W rs 20anx Epv\* Mc)



-crystal lithic tuff;bedding at 178/80W

- Mid North grid
- ✓ 27515 13287 22905 pit 5pmtf fc17090W rs 10anx Epv\* Mc)  
-other fc at 200/75W
  - ✓ \*27516 13233 22905 pit 5pmtf fc17585W rs 13anx Epv\* Mc.  
-maroon tuff
  - ✓ \*27517 13200 22620 pit 5pmtf fc16690 rs 12anx FeP+ Mc+  
-crystal to lapilli tuff;fc at 105/30W, 150/80W,Bd at 170/80W
  - ✓ \*27518 13170 22640 pit 5 5pmtf fc 9288S rs 7anx Epv+ Mc+  
-maroon lap. tuff;fc at 34/80W, 42/60 SE,20/30E
  - ✓ \*27519 12440 22680 pit 5 5gaem fc16290 rs 12dr8an2 clplep=Mc+  
-contact b/w dr and green volc;mal on N/S fractures
  - ✓ \*27520 12370 22640 pit 5g fc 1570E rs 10drx cpd. epv=ca=Mc)  
-contact b/w dr and green aug.porph;mal stains about N/S;fc at 66/80N
  - ✓ \*27521 12215 22780 pit 5g fc 0880W rs 15drx epp\*ca=Mc+  
-sheared dr w/ mal on 1cm fc's
  - ✓ \*27522 12650 22775 otc 5 5g tf fc16078E gs anx pyd\*cpd. clp3ca1fe)  
-strong mag; near dr contact
  - ✓ \*27523 12560 22930 otc 10 5gaem fc12490 gs dr9an1cpd. epp+ca2Mc)  
-xenolithic dr near volc contact and fault to west
  - ✓ \*27524 12595 22630 pit 5 5g tf fc 4075e rs anx cpd. epv+ Mc+  
-near dr contact; some rust on fc
  - ✓ \*27525 13150 23250 otc 20 5gmtf fc18080 Wgs anx ccd\* epb+  
-0.5% dusty disem grey/black sulfide(not magnetic);also some reddish grains (<1mm) which could be hematized mafics
  - ✓ \*27576 13900 21850 otc 5g anx epv+ Mc)  
-imminent fractures;mal stain in Fc in aug porph volc;mod ep veins; mod mag w-m perv ep

- Bald hill
- ✓ \*27577 12550 23030 otc 5g fc16060w rs 12anx mc)  
-altered green volc w/ minor mal(close to dr); rusty fc
  - ✓ \*27578 12451 23055 trch 5ga fc17680w rs 18dr9an1 cap1 mc)  
-mal in carb shear in dr;fc at 180/90, 100/50s
  - ✓ \*27579 12451 23045 trch 5ga sh16880w rs 20drx cap2 mc\*  
-less mal and more shearing(ca) than 27578
  - ✓ \*27580 12305 23065 pit 5g fc18450w an5dr5 epv= mc)  
-near contact b/w dr and volc; 3m deep shaft;mod to strong ep veins;fc at 48/80nw
  - ✓ \*27581 12255 22990 trch 5g fc17830e gs drx  
-rusty ca vein w/ py blotches and mal boulders in trch
  - ✓ \*27582 12390 23275 pit 5g fc20090 gs dr8an2cpv( epv+ mc)  
-xenolithic dr w/ minor cpy vein and mal; some monzodr;lots of rust
  - ✓ \*27583 12030 23430 otc 5g pp fc17680w gs drx ccb. epv=ep+mc.  
-altered dr (plag porph 2-3mm);other fc at 62/80n
  - ✓ \*27584 12000 22950 otc 5g tf gs anx cpv. clp2ca=fe=  
-altered augite porph volc with rusty fc(+/-cpy);mal nearby in fc at 30/60w
  - ✓ \*27585 11660 23360 pit 5rgbx fc 6675sers 10dr5mz5pyb)cpd.bnd.epb+cl=fe1  
tent pit
  - ✓ \*27586 11390 22780 pit 5mgfw fc 6080segs anx mc=  
-maroon amygdaloidal flow w/ mal stain on fc; very little epidote
  - ✓ \*27587 11300 23280 otc 5gabx gs dr7mz3pyd<cpd. epb+calaz<  
-diorite bx w/pink syenite subround clasts and monz. w/ minor green volc clasts; rusty fc; rubbly o/c; copper colored sulfide is probably tarnished py
  - ✓ \*27588 11150 23250 otc 5raem fc 1560 wgs drx pyd=cpd. epv+  
-not magnetic; rusty rubble pile
  - ✓ \*27589 11010 22950 otc 5gatf fc 2445 egs dr5an5hed) epv+ fe)

-near contact b/w med dr and green xtal tuff; rusty patches;mod v-ep

✓\*27590 10980 22080 pit 5mrtf fc 9550 ngs anx fel  
-rusty fc in maroon lapilli tuff near dr contact

✓\*27591 10800 23210 otc r 5g bx fc13080n gs an>dr3cud> clp2ep>fe.  
-native Cu(1mm)(0.3%) is disem but very patchy;5-10% dr clasts; some matrix  
appears intrusive

✓\*27592 10790 23050 otc r 5g pp fc 3580segs dr5an5ccd> epv+  
-aug porph(3mm)(20%)flow near dr contact;possible cc;not mag

✓\*27593 10750 23020 otc r 5gapp fc15570w gs anx pyd. epv=calmc)  
-ca/ep/mal assoc w/ fc;mod rusty patch-py; mod clay weathering

✓\*27594 10500 22750 pit 5grtf fc 8070s gs an9dr1pyd> epv)calmc+  
-rusty fc zone w/ mal; pit in scarp face at 40/70w; near volc bx

✓\*27595 10850 22370 pit 1\*2 5grtf fc13275negs epv+ mc)  
-pit near dr/lap tf contact

✓\*27596 10630 22870 pit 5m 5gatf fc 2580 egs epv)cllfe+  
-hfls contact b/w lap tf and maroon amyg flow w/ a dr dyke near to contact  
sheared o/c(cl); some ca/fe shears; near recrystalized volc(olivine);  
4 old pits above a recent drill pad

✓\*27597 11200 22850 pit 5g tf fc 6570 ngs anx epv>calfe)  
-ca fc or shear; close to amyg flow; shear prob assoc w/ fault scarp,  
15 m east

✓\*27598 11050 23500 otc r 5g tf fc15070 wgs an5mz5pyd)mtd) fe>  
-contact b/w mz dyke and crystal tf, strong mag, rusty py blebs

T ✓\*25576 11610 23450 trch#1 4505gabx fc 9280nwrs50 dr5mz5pyb+mtd> epb+si=fe)  
-trench 92-1 samples 0 to 17.5m from sw  
-intrusive bx: dr matrix w/ >10% mz subang clasts and <5% syenite clasts;  
-blebby py + ep (3-4mm)(2-5%);patchy st-mag

TR#1

✓25577 cont tr#1 same fc 1065e rs50

✓25578 cont tr#1 same rs50  
 ✓25579 cont tr#1 same rs25  
 ✓25580 11630 23450 tr#1 4503g fw fc 9870sers25 an9dr1pyd> clplca=  
 \*25581 cont tr#1 same as 25580:aug porph flow- cl/ca/si alter.;mod mag;  
 -augites(3-6mm)(20%);10% plag porph(2\*4mm); minor py  
 ✓\*25582 same as 25579 rs25  
 ✓\*25583 11610 23450 tr#1 450 5r gs fel  
 -sample of rusty fericrote w/ dr cobbles  
 L  
 ✓\*25584 11550 23508 tr#2 400 fc 6672s rs50 pyb+ epb+cl+mc.  
 -intrusive bx: dr matrix w/ 15% monz clasts(subang), 5% syenite clasts(pink)  
 and about 5% aug porph flow clasts; clasts range b/w 1 to 5cm;perv carb  
 and silica;shear at 118/60ne;samples start from sw end of trch  
 ✓ 25585 cont tr#2 rusty fc 1874e rs50  
 ✓ 25586 cont tr#2 fc 2070w rs50  
 ✓\*25587 cont tr#2 fc 6650sers50  
 -rusty ferricret above;close lcm fc w/ ca alt. at 138/70ne  
 ✓ 25588 cont tr#2 rs25  
 ✓ 25589 cont tr#2 rs25  
 ✓\*25590 cont tr#2 rs25  
 -angular qtz vein bldr w/ 20% cpy nearby  
 ✓ 25591 cont tr#2 rs25  
 ✓ 25592 cont tr#2 fc 5850sers25  
 ✓\*25593 11423 23757 tr#4 5gtf fc10060n rs65 clpl fe+  
 -altered green crystal tuff w/ some aug porph and microdr clasts;weak py  
 fc subparallel to rusty shear(3 cm);samples begin from sw end; rusty  
 sheared ca alt. contact at 134/55ne  
 ✓\*25594 cont tr#4 fc16480e rs50 pyd>cpd. epv> mc>  
 -microdr w/ minor bx of cl volc  
 ✓ 25595 cont tr#4 fc 4480sers60  
 ✓\*25596 cont tr#4(17.5-21.5m) rs40 pyb+cpd. epb>  
 -silic monz dyke (med red/grey);mod py(up to 5%); dyke contacts at  
 100/70n (rusty,carb alt,friable, 10 cm zones); resistant zone

- ✓\*25597 cont tr#4 fc10065n rs50 pyd> mc.  
-microdr bx w/volc and minor monz clasts
- ✓25598 cont tr#4 rs50
- ✓25599 cont tr#4 fc 2780nwrs60
- \*25600 11220 23550 tr#5 320 5gem fc14560swrs40 pyd)cpd>mtd) mc>  
-microdr bx w/ dr and volc clasts;strong mag;fc w/ tr mal;rusty fc at  
97/65s; samples start from west end; up to 1% cpy(avg <0.5%)
- ✓25601 cont tr#5 rs30
- ✓25602 cont tr#5 rs50  
-same as above, but getting ca alt, shearing to east
- \*25603 cont tr#5 rs40  
-rusty ca alt shear; friable gouge; no orientation visible,but assumed to  
be n/s
- \*25604 cont tr#5 fc10565n rs55 pyd>  
-green volc bx(mainly aug porph flow) w/ minor dr clasts;weak mag;weak py;  
rusty stain, ca veinlets w/i 5m of shear;above old drill pad;
- ✓25605 cont tr#5 fc17050w rs50
- ✓\*25606 11615 23550 tr#3 200 rs20  
-samples start from ne end
- ✓25607 cont tr#3 fc 4050sers30
- ✓25608 cont tr#3 rs30 pyd+
- ✓25609 cont tr#3 rs30
- ✓25610 cont tr#3 fc17065w rs30 cpd. mc.  
-all are: microdr matrix w/ 5% monz frags, 1-2% syenite frags,minor volc  
(aug porph) clasts(angular); ep blebs(avg 4-5mm)(3%);ubiq disem py blebs  
(<5%);intense rust and mod Mn on surface fc; contact w/ overburden is fe/  
ca alt.,mostly covered w/ fericrete;extensive silic;very little mag(patchy)  
bottom of glacial till has crude stratification dipping 20 ne
- ✓\*25611 11613 24075 tr#8 300 5g fc13680e rs50 pyd. epv>  
-samples begin on east end;all are green crystal tuff w/ cl altered mafics  
-some aligned plag(subhedral);looks like microdr in places-possibly bx  
-no perv ep;weak to zero mag;ep/cl fc increase toward west dr contact  
-cl/ca/ep conc at contact(sheared)-assoc w/ mal,ca

✓25612 cont tr#8 fc 4680n rs50  
✓25613 cont tr#8 fc 5085s rs50  
✓25614 cont tr#8 rs50  
✓25615 11613 24050 tr#8 fc 2275sers50

mc>

-last sample in tr#8(to west); microdr dyke;tr cpy; some py veinlets  
(also ca) near contact;overburden is till/colluvium(2-3cm thick) w/  
distinct rusty B horizon above a leached ca stained C horizon

25562?

			ufg	fc 3090	gs		mg	epfscbs
✓25561	14650	21950						ep he
✓25563	12200	20750	mg	ss33090		dr pyd)		
✓27551	12600	23600	10	sh 8090	gs 10mz	ccdm		mc
✓27552	12600	23600		sh 8090	gs 50vb2mz8ccdm			mc
✓27553	12675	23600		360	gs150bx			
✓27554	12600	23850		sh36090	150dr6mz3		clps	li
✓27555	12480	23670	pit 4*4	ywfg	dy 8070s	cs 50mzx	cpd1pyd3	mc
✓27556	12480	23670	pit 4*4	gfg		anx	pyd)	li
✓27557	12500	23730	trnc	3gwmg		cs500mzx	pyd)	epds li
✓27558	12380	23630	pit 1*1	gmg	dy 5050secs	500an9mz1pyd)		ep ml
✓27559	12400	23600	pit 3*34	gwmg	dy 4090	cs200mz9	cpd)pyd)	mc
✓27560	12300	23620	otcr	wgmg	jt 7070s	cs 15drx	pyd)	mc
✓27561	12200	23600	trnc	fr	dy30070swcs	15dr3md7pyd)		epv1cb1mc

✓27562 10900 24080  
 ✓27563 10100 24360  
 ✓27564 10630 23720

✓27549 10620 23780  
 - chloritic lap +f. w/ small shear assoc w/ bn RS 10

- ✓ \*27526 24900 13300 pit gs  
-mal stain in fc maroon lap tuff(heterolithic)
- ✓ \*27527 23775 13100 trch rs 20  
-mal stained maroon volc
- ✓ \*27528 23775 13100 trch rs 30  
-strong mal, also cc in fc in maroon fragmentals
- ✓ \*27529 occ. 6 adit (23790E, 13095N)  
-70 to 80 feet; ref: Amax-Godfrey report adit map
- ✓ \*27530 occ.6 adit rs 33  
-60 to 70 feet; ibid.
- ✓ \*27531 occ.6 adit rs 33  
-50 to 60 feet; ibid.
- ✓ \*27532 occ.6 adit rs 33  
-10 to 20 feet; fracture controlled mal,cc
- ✓ \*27533 occ.6 adit rs 33  
-0 to 10 feet; ibid.
- ✓ \*27534 13000 23420 adit gs  
-strong fc at 32/60s; ca/mal fc; silic frags in lap tuff
- ✓ \*27535 23540 41610 gs  
-big kid
- ✓ \*27536 23540 41610 rs 25  
-big kid trench, 16 to 18.5 m
- ✓ \*27537 in sequence from previous rs 10  
-30 to 31 m
- ✓ \*27538 in sequence from prev.  
-52.5 to 55.5

adit -



- ✓\*27539 in seq. from prev.  
-60 to 65 m
  
- ✓\*27540 11500 23600 rs 50  
-n/s chip
  
- ✓\*27541 11500 23600 rs 50
- ✓\*27542 24225 11375 gs  
-road cut below old trench; fracture controlled py in microdiorite
  
- ✓\*27543 23515 11540 gs  
-microsyenodiorite bx w/ 1-5% disem. fm py (about 1%cpy);kspar flooded
  
- ✓\*27544 23590 11490 gs  
-heterolithic bx w/ patchy fracture controlled py, lesser cpy
  
- ✓\*27545 Kidd#1 (1972) adit76ft fc 2035nwrs20ft mc+  
-dr bx w/ zone on east wall containing 5% sulfide;5 ft wide shear on east end  
of sample(rusty,ca alt)
  
- ✓\*27546 Kidd#1 cont rs20ft  
-consecutive 20ft sample in feldspar porph andes bx  
-occ#12 in Godfrey report
  
- ✓\*27547 Kidd#2(1972) adit rs12ft  
-small bx zone w/ up to 5% sulfides;start of RCW adit#3(1992)
  
- ✓\*27548 Kidd#2(1972) cont 5g an8dr2pyv)cpd. clplcal  
-andes bx, minor dioritization;rusty shear up to 6ft wide at 165/30sw;  
-strongly fc;variable local s-carb alt and veined;local microdr
  
- ✓\*27565 adit#3(1992) 70 sh 6770n rs60 pyv>cpd.  
-silic andes,microdr bx;patchy fc py;adit at 54az;sample from 66 to 60m
  
- ✓\*27566 cont ad#3 sh12042n rs100  
-sample from 60 to 50m;mixed andes/microdr/monz(fp) bx;patchy py;some fine cpy
  
- ✓\*27567 cont ad#3 sh11558n rs100 pyv>cpv.  
-sample from 50 to 40m;similiar to 27566;carb veins along structures;

fc controlled py,cpy;other shears at 150/55ne and 120/42s

- ✓ \*27568 cont ad#3 - sample from 20 to 10m;strong fc along curved fault(20/70w) w/  
vertical slickenslides;local strong mal stain; numerous ca  
veins; patchy sulfides
  
- ✓ \*27569 cont ad#3 - sample from 10 to 0 m;entrance cleared by excavator; strong subvertical  
structure follows adit; subparallel carb veinlet;fault zone
  
- ✓ \*27570 11853 23560 tr#6 450 5gem fc 9090 rs30 dr9an1 epv)  
-sample at 2 to 5m
- ✓ \*27571 cont tr#6 rs50  
-sample at 8.5 to 13.5m
- ✓ \*27572 cont tr#6 rs60  
-sample at 13.5 to 19.5m;contains 2m block of plag porph andes(green) w/  
mod fc; stronger ep-v
  
- ✓ \*27573 cont tr#6 rs100  
-sample from 19.5 to 29.5m;more massive jointed fm grained microdr; weak  
perv and vein ep; local f.py;sections of finer andes(xenoliths?)
  
- ✓ \*27574 cont tr#6 rs100  
-sample from 29.5 to 39.5m;more closely jointed(5-10cm)microdr;v.w.ep;  
-local f.carb veins;sparse f.py  
-all tr#6 samples above: f. microdr w/ f. ep veinlets;med green;mod fc;  
fm grained equigran.;variable ep;mod to m-s mag;predominant jointing  
10 to 20 cm, e/w, subvertical
  
- ✓ \*27575 11850 23600 tr#6 450 5gtf fc rs40 an8dr2pyv) cav>  
-sample at 42 to 46m;mixed andes > microdr;andes is locally porph;local  
ca veinlets; fc controlled py up to 1-2%;overlain by 1.5m of gravelly till,  
subangular to subround fragments(2-10cm);sandy-silt matrix
  
- ✓ \*27626 11856 23604 tr#6 rs50  
-section of strongly fc epid alt. andes and less epid alt. microdr;  
-sample at 54 to 59 m
  
- ✓ \*27627 11859 23604 tr#6 rs40 pyd. epv)  
-andes bx w/ subangular frags(1-2cm);weakly altered in fm epid matrix;

ep veins common; sparse py

- ✓\*27628 11859 23612 tr#6 80m pit fc 6690 rs15  
-1.5m wide exposure; well jointed m to m/c silic monz; parallel narrow  
qtz carb vein/veinlets; much limonite; over 5% med disem and fc controlled  
py; cpy/gypsum on some joints
  
- ✓\*27629 11999 23745 tr#7 4105gaem fc 9070s rs40 dr9an1 epv)  
-f microdr; massive jointed; possibly metamorphosed andes; variable w-m ep  
-start of trench going eastward
  
- ✓\*27630 cont tr#7 rs30  
-from 4 to 7m; mod/s fc andes/microdr; mod/s ep alt and veining; local mal  
on fc; disem fc controlled py, cpy; more strongly fc w/ ep slickenslides;  
perv ep; carb veinlets 1-2% fc controlled fine py; lesser cpy
  
- ✓\*27631 cont tr#7 rs40  
-from 7 to 11m; largely fc andes w/ variable mod ep alt; local sections of  
more massive microdr; local zones w/ ca veining
  
- ✓\*27632 cont tr#7 rs60  
-from 11 to 17m; same as 27631; contains a 1m microdr dyke (more massive  
fm equigran.) b/w 16 and 17m
  
- ✓\*27633 cont tr#7 fc 8085s rs25  
-from 17 to 19.5m; steeply dipping; coarse carb vein (2-10cm) w/ sharp contacts  
-brecciated w/ strong ep veining and alt.
  
- ✓\*27634 cont tr#7 rs45  
-from 19.5 to 24; patchy o/c of ep veined, massive microdr-local carb; 10cm  
ca vein at 82/80s
  
- ✓\*27635 cont tr#7 rs50  
-from 24 to 29m; mod fc; variable ep altered andes; sections have vague microdr  
textures
  
- ✓\*27636 cont tr#7 rs50  
-more massive fm equigran microdr; from 29 to 34m



May 22 -PT/PW

- ✓ 27676 13350 24932 tr#15 fc 1050e rs 30 cpd> fe>  
-int bx w/ dr matrix; mostly green volc clasts, but minor angular mz clasts;  
minor rusty fc; looks like lahar on edges; mod mag
- ✓ 27677 13348 24935 tr#15 rs 25  
-same as above; in contact w/ green xtal plag porph tuff w/ perv ca alt and  
cl clots
- ✓ 27678 13358 24898 pit#10 fc14080ners25 mc)  
fe)  
-plag porph xtal tuff matrix w/ lap frags(mainly volc+ minor dr and trace mz)  
rust,mal on n/s fc; sample taken e/w;other fc at 125/20ne and 60/80nw
- ✓ 27679 13358 24900 pit#10 rs 30  
-same as 27678;sample taken n/s
- ✓ 27680 13400 24865 tr#9 fc 4090 rs 30 cpd. mc+  
-coarse heterolithic lahar w/ 2% mal clasts;rusty;frags 2 to 20 cm;altered  
xtal tuff to east
- ✓ 27681 13327 24900 tr#13 fc 7680s rs 60an9drlcpd> mc)  
-lap/xtal tuff w/ 10% dr clasts;other fc at 170/60e
- ✓ 27682 13180 25000 tr#17 fc 3080e rs100 epp>ca>mc)  
-lap tuff w/ mal in clasts(minor dr); n/s strat;1%, 2cm cl clots;minor ep-v
- ✓ 27683 12885 25075 pit#11 fc17085w rs 30 mc)  
-coarse lap tuff w/ minor dr clasts;w-m mal;other fc at 110/80w
- ✓ 27684 13260 24783 shft21 fc12080ners 10 cud>ccm) epb+ca+  
-maroon lap tuff w/ patchy ep and massive ca vein assoc w/ wiry native cu  
and cc,bn,mal;other fc at 80/85 s
- ✓ 27685 13262 24811 shft22 fc 5780sers 10 ccm+  
-greenish maroon xtal lithic tuff w/ 30%lap frags(2-6cm) composed mainly of  
subang volc frags w/ minor dr frags;some massive cc veinlets assoc w/ca,ep  
-local strong ep patches assoc w/ ca,cc,bn,mal,azur;tr native cu;

-no rust or py; minor siderite, biotite, hem blebs; other fc at 120/65ne

✓ 27686 13260 24739 shft23 fc 6070sers12 cud>ccm) mc+  
-high grade vein 2-6cm wide, massive cc, native cu, digenite, mal, azur  
-100 yr old mine site; lap tf w/ minor dr frags; bedding in xtal tf at 160/65w  
-interbedded lahar band (2m) just east of shaft (contact at 112/80w); 1% ca veinlets  
and perv carb; fc parallel to intense shearing; ca/ep vein assoc w/ cu;  
-minor red and spec hem; minor vuggy qtz

✓ 27687 13260 24750 shft22 rs10  
-cont of high grade vein/shear in 27686, but appears to be lower conc of copper  
minerals; sample influenced by 5m zone of sheared fc at 112/80 w

✓ 27688 13097 25015 pit18 fc 7070n rs 40  
-surface sample; less than 1 cm wide sheared fc at 38/80nw; maroon lap tf  
w/ minor lahar and mod dr frags (minor mz); mal patches; mineralization  
assoc w/ cl/ep altered angular frags; strong ca alt w/ sheared fc

✓ 27689 13095 25017 adit19 sh 2070sers 20  
-same as 27688 (about 5m directly below in adit); 30% lap frags larger than  
2cm; perv ca alt and random ca veinlets (mainly n/s); mod blebby mal and rust

✓ 27690 12660N 24445 pit  
rusty qtz vein w/ siltstone bx clasts in grey/black siltstone

✓ 25501 } - Golden Sovereign Area ~ 12950N, 23750E  
↓  
25517 } - Locality 6 - pits and trenches

✓ 25551 } - Shear Road cut samples  
↓  
25563 } ~ 12200N, 23070E

170  
17  
13  
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200

27562	10900	24080	otcr	gr mgshsh34090	cs 20mvg	pyd1	li	
27563	10100	24360	pit	gr pp sh13070n	cs 4 pag	ccd1	mc	
27564	10630	23720	pit	gr pp sh 6080	gs ccl		mc.	
27549	10620	23780	-1m chip in cl lap tf;weak shear assoc.w/ bn;Bruno bear pit					✓
27690	12660	24445	-pit; qtz/ca vein bx in siltstone;40cm chip;w-cpy blebs					✓
25501	12945	23782	-Golden Sovereign pit #6.1; 1.6m chip;mal in mar flow					
25502	12945	23782	-cont.;1.0m chip; mal,bn,cc					
25503	12945	23782	-cont.;1.0m chip					
25504	12945	23778	-cont.;0.6m chip					
25505	12945	23778	-cont.;1.5m chip					
25506	12975	23766	-Golden Sovereign trench #6.2;green/grey,massive,weak ep; ca veinlets parallel to joints(50/76se);minor disem dk sulfides -composite sample					
25507	12966	23765	-cont.;maroon flow;mafic phenos(1mm);no ep/ca in matrix					
25508	12978	23800	-locality 6.3;massive to w-fc mar. andes;local w-ep,ep fc -20 cm spaced joints at 90/40n;2.5m chip					
25509	12986	23800	-locality 6.3 pit;mal,cc(disem),steep ep fc;w-mag;1.6m chip					
25510	12989	23800	-cont.;1.0m chip;perv ep veinlets					
25511	13020	23801	-hand trench 6.3;2.0m chip;green/mar mottled fm andes;w-m perv. ep;weakly jointed					
25512	12938	23818	-pit 6.4;1.5m chip;mal,minor cc,ep,w-mag;fc at 140/70se					
25513	12939	23818	-cont.;1.5m chip					
25514	12941	23817	-cont.;1.5m chip					
25515	12942	23818	-cont.;2.5m chip;mar volc;spotty mal,w-mag;fc at 179/68e					
25516	12921	23818	-pit 6.5; 1.7m chip;med green volc flow;s-ep					
25517	12920	23819	-cont.;2.4m chip;mal,spotty cu and cpy;ep/ca veins at 140/70e					
25551	12208	23050	-shear road cut sample sequence;begins at 80m west of culvert -sample at 80 to 90m(chip);big sioux					✓
25552	12206	23035	-cont.;chip from 90 to 100m					
25553	12205	23025	-cont.;chip from 100 to 110m;ca veins to 2cm at 14/82nw;w-ep					
25554	12204	23015	-cont.;chip from 110 to 120m;ep fc at 245/75 sw					
25555	12202	23005	-cont.;chip from 120 to 130m					

25556 12200 22995 -cont.;chip from 130 to 140m;ep fc at 270/66sw;some ca veinlets  
-numerous joint sets w/ ep slickenslides;vert slicks on N  
striking set;horizontal slicks on E striking,S dipping set  
25557 12198 22985 -cont.;chip from 140 to 150m;sheared fc at 20/27nw(w/ ca)  
-fc at 260/60sw w/ py,cpy,ca  
25558 12196 22975 -cont.;chip from 150 to 160m;shear fc at ne strike  
25559 12195 22965 -cont.;chip from 160 to 170m;fc at 250/50 se  
25560 12193 22955 -cont.;chip from 170 to 180m;shear at 140/50ne;py,w-cpy  
-lm spaced joints;ca fc;m-ep