

92B/13 1989

827299

- 89L1001 Medium Grained Diorite
- 89L1002 Rhopelite QP Felsic Tuff, 5% QE to 2mm, moderate to well foliated, trace disseminated pyr; wh to Hgry
- 89L1003 Rhopelite QP Felsic Tuff, 5-10% QE to 3mm, <sup>wh to Hgry</sup> moderate to well foliated, trace disseminated pyr; <5% feld xts <1mm,
- 89L1004 Rhopelite QP Felsic Tuff, 5-10% QE to 1/2 mm, <5% Feldspar xts to 1/2 mm, well foliated; trace disseminated pyrite, wh to Hgry
- 89L1005 - Rhopelite QP Felsic Tuff, 15% QE to 3 mm, 5% QE 3 to 8 mm, massive, wk to moderately foliated; <5% feldspar to 1/2 mm  
trace diss pyrite, wh to Hgry; very crowded.
- 89L1006 Intermediate Ash; H greenish grey; mod-str foliated, well developed ch. + ser.
- 89L1007 Rhopelite QFP to Lat; H to mgn; m-cgr; 3-5% QE to 4 mm, <5% feldspar to 1/2 mm; appears to contain extremely flattened  
feldsp (wh) fragments; moderately foliated, 1/2" diss pyr.
- 89L1008 Rhopelite QFP; H to mgn; m-cgr; massive in character, 10% QE to 3 mm, 2-3% QE 3 mm to 7 mm, 5% b locally 10% feldspar to  
1 mm, weakly foliated; very fresh looking; no visible sulphides, very crowded
- 89L1009 Rhopelite QP to Lat; H to mgn matrix; 3% QE to 2 mm, <5% feldspar to 1 mm, possible abundant bleached wh  
feldspar fragments; moderate foliation
- 89L1010 Rhopelite QP Felsic Tuff to Ash; wh to H greenish grey; 2-3% QE to 2 mm, mod to strongly foliated, highly contorted; has a  
streak bot. Lat?; minor diss pyr
- 89L1011 Rhopelite (Q) FP; H greenish grey; mgn; massive, wk to moderately foliated, <5% QE to 1 mm; 5 to 10% feldx to 1 mm,  
wh-gassy - white altered - clay att; streaky wh look, Lat?
- 89L1012 Rhopelite Ash, wh, bleached, v.fgr, trace diss pyr; 1-2% QE <1 mm, 1-2% feldx <1 mm, fairly massive in character  
wk to mod foliated, faint banding, flow?
- 89L103A Rhopelite QFP, H greenish grey; mgn; 3% QE to 1/2 mm, bl wh-gassy to clay altered feldx to 1 mm, rock has a  
massive look, wh bot; tr diss. pyr
- 89L1013 Rhopelite QFP Felsic Tuff; 10% QE to 3 mm, 1-2% 3 mm to 8 mm, 5-10% feldx wh-gassy to clay altered to 1 mm.  
wh to Hgry in color, moderately fol., very crowded, large QE well flattened; tr diss. pyr
- 89L1014 Diorite, very fine grained
- 89L1016 Rhopelite QFP to Lat Felsic Tuff, wh to Hgry, m-cgr, 3-5% QE to 2 mm; 3% feld xts wh to gassy to 1/2 mm; 5%  
bleached wh felsic frags 4 cm x 1 cm, giving rock a streaky look; tr diss pyr
- 89L1017 Rhopelite Lat; matrix wh to Hgry QFP, 2-3% QE to 3 mm, 2% feld xts btl 2 mm wh gassy-clay att; in a v.fgr  
very siliceous matrix frags are bleached wh very frag vsl chert? w 3-5% feld xts to 1/4 mm, appear to be floating in  
silica gel, frags 20 cm x 1 cm, many probably exceed this, also 3-5% dk grey lithic frags

- 89L1018 Rhopelite QFP-totat Felsic Tuff; wh to tigray, cgr, massive; groundmass (Q) FP, 5-10% to 2mm, 10% wh to ghostly feldspar xls to 1mm, moderate fol'; abundant +10% bleached wh QFP fragments, strongly attenuated p/f to fol; streaky look ~1/2 diss pr'; Nice Cut specimen; frag in hand specimen 6cm x 2cm + 8cm
- 89L1019 Rhopelite FP-Lat, matrix m-dkgr; cgr, massive in character, moderately foliated; matrix contains ± 10% wh to ghostly feldspar xls to 1mm, 1-2% QE to 1mm; fragments virtually the same material, possibly more QE, but are bleached. H-greenish grey
- 89L1020 Intermediate QFP Tuff, m-dkgreen, mgr; 1-2% QE to 1/2mm, 5% ghostly bckay att feld xls to 1mm, mod to strongly foliated; abundant carb along foliation planes, moderate chlorite + epidote alteration.
- 89L1021 Rhopelite QFP, Felsic Tuff, m-dkgr; f-mgr; massive in character, wk-mod fol'; 3% QE to 5mm, 5% wh to ghostly feld xls to 1/2 mm, has a wh streaky look; minor diss pr'; not calcareous, LAP
- 89L1022 Rhopelite FP-Lat, matrix m-dkgr; cgr, massive in character, 5% QE to 1/2mm, 10% wh to ghostly feldspar xls to 1mm, moderate fol, frags very indistinct, possibly same as matrix only lightly bleached;
- 89L1023 Rhopelite QFP Lat, matrix m-dkgr; cgr; 1-2% QE to 3mm, 5% wh to ghostly feld xls to 1/2 mm, mod to strongly foliated, minor bleach + wh oxidized felsic fragments 4cm x 4mm p/f to fol, give a streaky look
- 89L1024 Rhopelite (f)P Felsic Tuff, v-tigrish whi, m-cgr; massive, moderate fol'; minor sericitic development; 5 to 10% QE 1mm to 3mm; minor clay att feld to 1mm to diss pr'
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- 89L1026 Rhopelite (f)P Felsic Tuff; H-greenish whi; mgr; massive in character, mod to str fol; minor sericitic development; 5 to 7% QE to 3mm, minor clay att feld to 1/2mm, streaky look p/f to foliation; minor diss pr'
- 89L1027 Rhopelite QFP-Lat; H-bmgr; m-cgr; massive; wk to mod fol'; 5 to 10% QE 1mm to 7mm, 5% wh to ghostly feldspar xls to 1mm, weak, more bleached streaky look, Lat?
- 89L1028 Rhopelite QFP-Lat, H-mgr; m-cgr; massive in character; wk to mod fol'; 5% QE to 1/2 mm; 10% locally 15% wh to ghostly bckay att, frags are Rhyolite wh to v-tigr, streaky look p/f to foliation
- 89L1029 Rhopelite QFP Felsic Tuff, wh to H-greenish whi, mgr; massive, mod fol'; 5% QE 1mm to 4mm, 5% wh to ghostly bckay att feld xls to 1/2 mm, minor sericitic development
- 89L1030 Rhopelite QFP Felsic Tuff, bleached whi; massive; 5 to 7% QE to 3mm; 10% wh to clay att feld xls to 1/2 mm mod fol

- 89L1031 Rhophilite Q(F)P-Lat, H-grishgry, m-cgr, massive, mod fol; 7% QE to 2mm, minor wh to ghostly feld xls to 1/2 mm; felsic frays have a vfg QF bleached wh, very siliceous, attenuated pl to foliation, giving rock a streaky wh look.
- 89L1032 Rhophilite Q FIP-Lat, m-kgn, m-cgr, massive, mod fol; 5 to 10% QE 1mm to 5mm; 5% wh to ghostly to clay att feld xls to 1/2 mm; felsic frays are bleached wh, very siliceous, attenuated pl to fol.; giving rock a streaky wh look.
- 89L1033 Rhophilite QFP Felsic Tuff, H-grishwh, mgn, massive, 5% QE 1 to 5mm; 7% feld xls wh to ghostly to clay att to 1/2 mm; mod to str fol, wh sericitic development; very indistinct streaky appearance.
- 89L1034 Rhophilite QFP Felsic Tuff, H-mgn, mgn, massive, mod fol; 5 to 10% QE 1mm to 5mm; 5 to 7% wh to ghostly to clay att feld.xls to 1mm;
- 89L1035 Rhophilite Ash, bleached wh, vfg, minor QE to 1mm, minor feld to 1/2 mm, mod to str fol, mod oxid.
- 89L1036 Rhophilite QFP Felsic Tuff, Hgn; m-cgr, massive, mod fol, 3 to 5% QE to 3mm; 5% feld xls to 1/2 mm bleached wh streaky look pl to foliation, frags Lat?, back-mod oxid
- 89L1037 m-cgr Diorite?
- 89L1038 f-mgn Diorite?
- 89L1039 Rhophilite QFP, H-grishgry, mgn, massive, mod to str fol, minor sericitic development; 5% QE to 3mm; 5% feld xls wh to ghostly to pred clay att, mod oxid, very indistinct streaky look.
- 89L1040 Rhophilite QFP Felsic Tuff; H-grishwh; fgr; mod-str fol; 5% QE to 1mm; 5% ghostly to clay att feld xls to 1/2 mm, well developed sericitic.
- 89L1041 Rhophilite QFP, bleached wh, fgr, mod to str fol; minor sericitic development; 5 to 7% QE to 2mm; 5% wh to ghostly to pred clay att feld.xls to 1/2 mm; minor chl frags to 3mm;
- 89L1042 Rhophilite QFP, m-kgn; m-cgr, massive, siliceous, 5% QE to 4mm, 5% feld xls to 1/2 mm, possible abundant chl frags to 3mm, tr pyr, wh-mod fol
- 89L1043 Rhophilite QFP, m-kgn, m-cgr, massive, siliceous, 5 to 7% QE to 3mm; 2-3% ghostly to clay att feld.xls to 1/2 mm, wh to mod fol, very weak streaky look pl to foliation. Pos LAP
- 89L1044 Rhophilite Q(F)P, Felsic tuff, m-kgn, f-mgn, massive, mod to str fol; 2-3% QE to 2mm, 2% feld.xls? clay att to 1/4 mm
- 89L1045 Rhophilite QFP Felsic Tuff, mgn, mgn; mod to str fol; 5% QE to 3mm; 5% wh to ghostly to clay att feld.xls to 1/2 mm, wh white streaky appearance pl to fol, Lat?

- 89L1046 Rhopelite QFP, Felsic Tuff; It to mgn, mgr; massive, mod fol., 5% QE to 2mm, ~5% wh to ghostly to clay att. feld x's to 1/2 mm, these are rarely weakly epidoted; rare QE to 8mm, tr diss pyr
- 89L1047 Rhopelite QFP to LAP Felsic Tuff; It to mgn, m-cgr, massive; 5% b7% QE to 3mm, rare to 5mm, ~5% wh to ghostly to clay att. feld x's to 1/2 mm, possible faint indistinct fragments to several cm of same material attenuated p|| to foliation.
- 89L1048 Rhopelite QFP to LAP Tuff; It to mgn, massive, mod fol., 5% b7% QE 4mm to 8mm; ~5% wh to ghostly to clay att. feld x's to 1/2 mm; LAP fragments fairly indistinct, these have a more bleached look, basically the same material as the matrix, attenuated p|| to foliation, trace diss pyr.
- 89L1049 Rhopelite QFP to LAP? Tuff, It to mgn, m-cgr, massive, mod foliated, ~5% QE to 1/2 mm, 5% feld x's, wh to ghostly to clay att to 1mm; has a lighter streaky look p|| to foliation, Frags? tr diss pyr.
- 89L1050 Andesitic lithic Tuff - LAP? mgn; vigr Ash, has a patchy epidote att., possible fragments, epidote altered areas appear slightly more coarsely grained.
- 89L1051 Andesitic XL-T, mgn; f-mgr, mod foliated.
- 89L1052 Rhopelite FP, Felsic Tuff, wh, mgn, massive, weakly foliated; ~1% QE to 1mm, 10% wh to ghostly to clay att., pred epidote att. feld x's to 1/2 mm, these locally give rock a patchy epidote look, trace diss pyr, poss sp?
- 89L1053 Rhopelite QFP to LAP Tuff, mgn; m-cgr, massive, weakly fol.; 5% QE 1mm to bmm, 5 to 10% wh to ghostly to weakly epidote altered feldspar x's to 1/2 mm, Fragments are bleached wh, and basically the same as the matrix, attenuated p|| to fol., 1/2 diss patchy f-mgr pyr.
- 89L1054 Rhopelite Q(F)P Felsic Tuff, wh to light; massive, wh to mod fol., 5% QE to 2mm, ~5% feld x's to 1/2 mm, wh to ghostly to wh epidote altered; trace diss pyr. Los coarse LAP having a m-chgr matrix, very similar to that discussed above: → locally forming clots
- 89L1055 Rhopelite QFP to LAP Tuff, It to mgn, mgn-cgr, massive, weakly foliated; 5% QE 1mm to bmm, 5% wh to ghostly to predominately clay altered feldspar to 1/2 mm; matrix vigr + si; Frags are same as above but bleached wh to vH grn;
- 89L1057 Rhopelite QFP Felsic Tuff, m-chgr, m-cgr, massive, whly fol.; 5% QE to 2mm, 5% wh to ghostly feld x's to 1mm, possible LAP, bleached wh streaks p|| to foliation.

- 89L1066 Rhopelite QFP, Felsic Tuff, m-kigr; myr, massive, mod fol, <5% QE to 2mm, 5% feld xls, wh-ghosty clayalt and weakly epidote alt to 1/2mm,
- 89L1067 Rhopelite QFP, Felsic Tuff, m-kigr, myr, massive, wh fol, 5% QE 1mm to 6mm, 5% wh to ghosty to clayalt feld xls to 1/2mm, possible wh feld sps appear very wispy pl to fol, 1cm x 1mm, LAP
- 89L1068 Intermediate FP Tuff'; H to myr, m-cgr, massive, mod fol; 5% wh to ghosty to clay and wh epidote alt feld xls to 1/2mm, wh feld sps, RFP, attenuated pl to fol, locally appear as wh wisps; mod to str fol, 1-2% felsic sps pr
- 89L1070 Rhopelite QFP Felsic Tuff, m-kigr, myr, massive, wh to mod fol, 15% QE 1mm to 5mm, 15% feld xls wh to ghosty to clay alt to 1/2mm, minor sericitic development on fol surf.
- 89L1069 Andesite xLT
- 89L1071 Rhopelite Littic Tuff, bleached wh boulders, m-cgr, matrix wh grph, no real textures, contains abundant bleached wh felsic fragments attenuated pl to fol and red like in x-section, these again have no textures, mod fol with minor sericitic development, trace dis pr.
- 89L1072 Rhopelite Feldspar Porphyry to Lapilli Tuff; m-grey green, m-cgr, wh to mod fol, rare QE to 1mm, 5 to 7% white to ghosty to clay altered feldspar xls to 1/2mm, 5 to Possibly 10% white fine grained felsic fragments, stretched and elongated in foliation plane 1 1/2 cm x 3mm (1% clss purple)
- 89L1073 Rhopelite Littic Tuff; white with a wh to medium green cast; cgr, wh-mod fol, 25 to 30% white felsic fragments, stretched and elongated in foliation plane. 1-2cm x 3-4mm, a very crowded look in x-section, possibly 5% white feldspar xls to 1/2mm
- 89L1074 Andesite Lapilli Tuff.
- 89L1075 Andesite Crystal Tuff; dark green, medium-cgr, 10% Hgreen epidote altered feldspar xls to 1mm
- 89L1077 Rhopelite Ash; white to light grey (with a wh green cast), moderately foliated; may be very finely bedded; strongly sericitic on foliation surfaces
- 89L1078 Rhopelite Ash, wh to very light grey (with a wh green cast) mod to str fol, well developed sericitic on fol surf, rare QE to 1/2mm, trace disseminated purple
- 89L1079 Andesite Crystal Tuff

89L1080

Andesite Crystal Tuff; dark green, m-cgr; wk foliated; 10-15% wh-ghostly to epidoite altered feldspar  $\pm$ s to 1/2 mm; 5% hornblende crystals to 4 mm

89L1081

Rhyolite QFP-LAT; matrix is m-green, fragments are bleached white; matrix 5 to 10% wh to ghostly to weakly oxidized feldspar  $\pm$ s to 1/2 mm; 3-5% QE to 4 mm; groundmass is very fine grained to aphanitic and very siliceous; local body 2% disseminated pyrite; strongly oxidized on weather surfaces; fragments are a bleached QF 2-3% QE to 6 mm, stretched and elongated  $\parallel$  to foliation.

89L1082

Rhyolite QFP; white to very light gray; medium to coarse grained; massive, weakly foliated; 5% QE to 5 mm; 5% white feldspar  $\pm$ s to 2 mm; groundmass sigr to aphy and siliceous; local patchy epidoite alteration

89L1084

Rhyolite QF, wh to lt gray (wth green cast) fine to medium grained; moderately foliated; 5% QE to 1/2 mm groundmass very fine grained to aphanitic.

89L1085

Rhyolite QFP-LAT, Similar to 89L1081; matrix is m-dk grn; QFP, 10 to locally 15% white to ghostly to 1 mm, 3-5% QE to 3 mm; lithic fragments are bleached white and stretched  $\parallel$  to foliation; locally there may be 2% fayalite, vigr; also locally 5% mltk green fragments stretched  $\parallel$  to foliation

89L1086

Rhyolite QFP-LAT, matrix is m-green, m-cgr; matrix has 5-10% wh to ghostly feldspar fragments to 1 mm, 2-3% QE to 2 mm; 10% wh vigr lithic fragments stretched  $\parallel$  to foliation; trace disseminated pyrite; rock is weak to moderately oxidized on weather surf.

89L1090

Andesite crystal tuff<sup>+1/2</sup>; dark green, m-cgr, weakly foliated, 15-20% lt green epidoite altered feldspar crystals to 2 mm; 5% hypersthene altered lithic fragments to 8 mm;

89L1092

Andesite crystal to lapilli Tuff; dark green, m-cgr, 10% lt gr epidoite altered feldspar  $\pm$ s to 1/2 mm; 1-2% hornblende  $\pm$ s to 1 mm; 5% hypersthene altered lithic fragments to 8 mm

89L1094

Same As 1090/1092; Andesite Crystal Lithic to Lapilli Tuff

89L1095

Rhyolite Lapilli Tuff; matrix is dark green, vigr, very siliceous; and has up to 5% white to ghostly to clay alk feldspars to 1/2 mm; local have diss + patchy fine to medium grained pyrite fragments are bleached white and contain 1-2% feldspar  $\pm$ s to 1/2 mm; these are very siliceous and aphanitic in character; they are also stretched and elongated  $\parallel$  to foliation and can be in the order of 10's of cm's.

- 89L1096 Rhyolite LAT, very similar to 1095; only matrix is finer grained in that it contains less visible feldspars, and some of the white felsic fragments contain minor QE
- 89L1097 Andesite Crystal Lithic Tephilli Tuff; m-dark green; coarse grained; weakly foliated; 16 to 206 Itym  
epidote alt feldspar  $\times 15$  to 2mm; abundant epidote altered lithic fragments to 10's of cm.
- 89L1100 Rhyolite QFP; white to light grey (wt green cast). fine to medium grained; 106 wh feldspar  $\times 15$   
to 1mm; 36 QE to 1mm; moderately foliated; trace disseminated pyrite; rock is weak to  
locally moderately oxidized
- 89L1101 Andesite crystal Tuff; dark green; mgt; weakly foliated, massive; 156 hornblende? crystals to  
2 1/2 mm;
- 89L1102 Rhyolite QP, possible LAT; white with a wt green cast; vfg; mod fol; ground mass is  
basically featureless except for rare QE to 1/2 mm; felsic fragments appear as bleached  
white streaks  $\parallel$  to foliation; there are also dark green streaks  $\parallel$  to foliation.  
Andesite fragments?