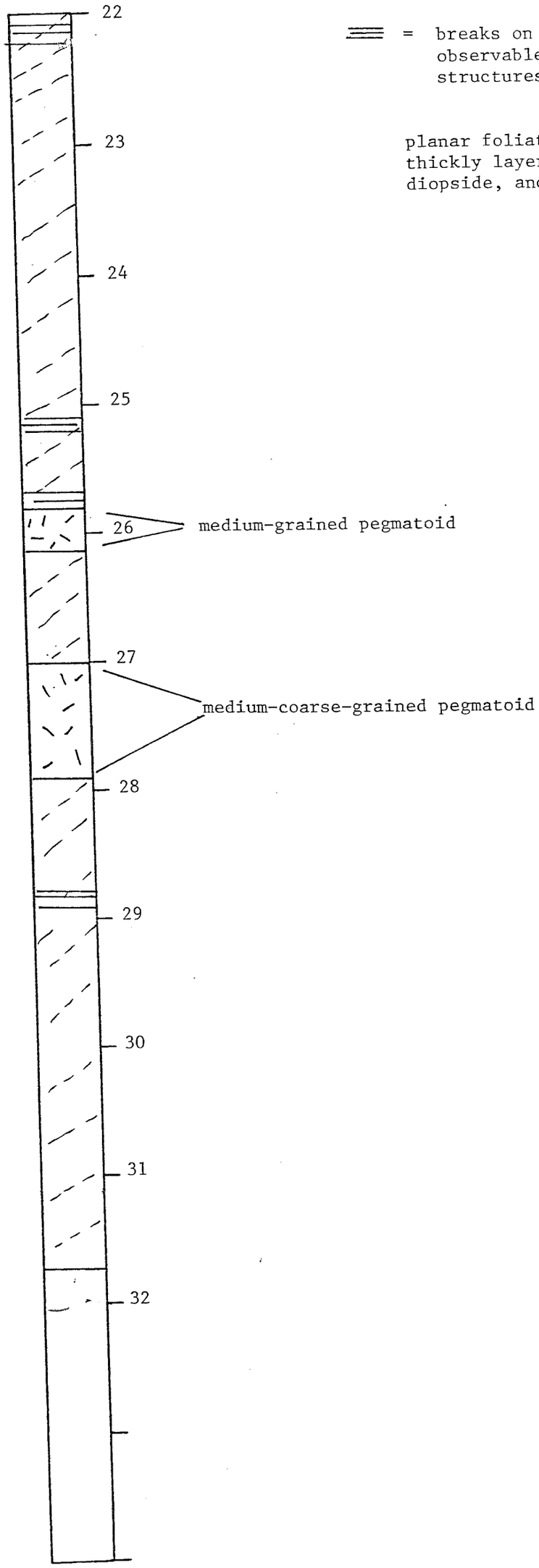
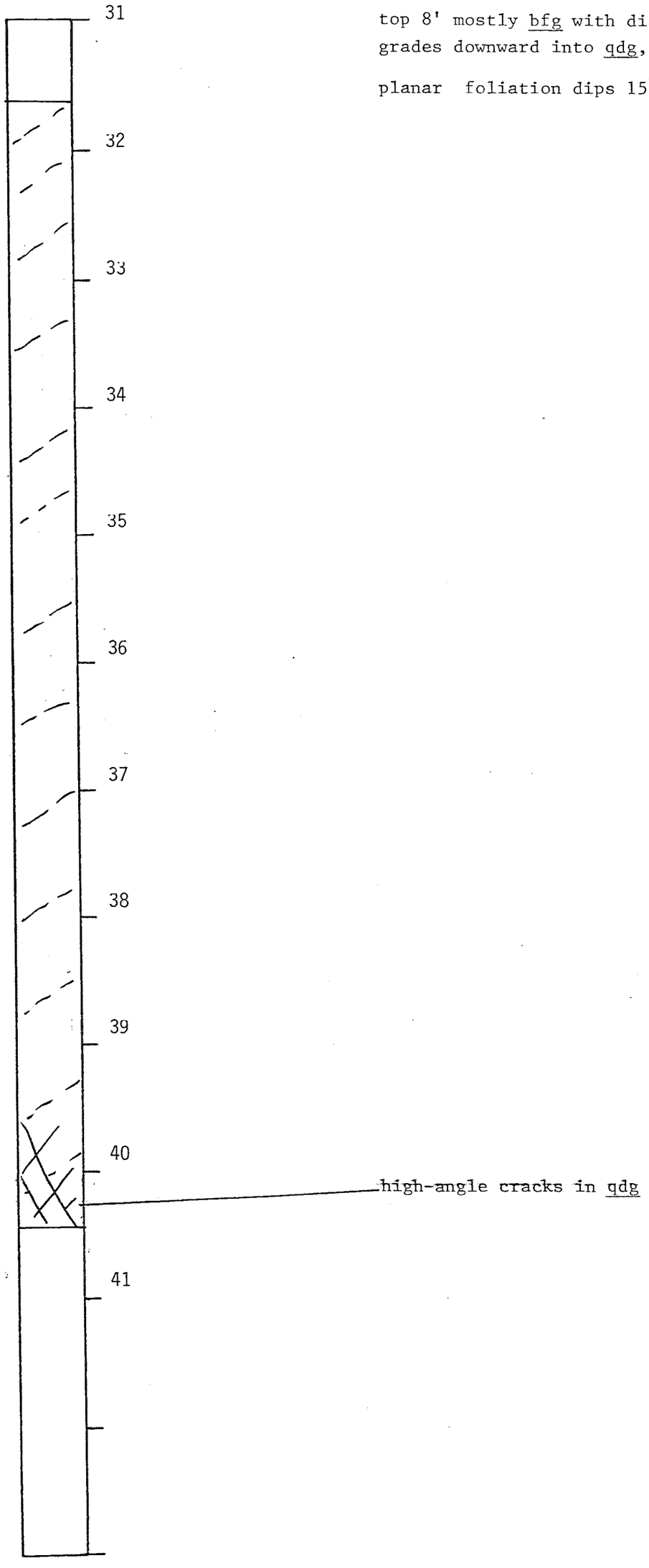
CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 1 INTERVAL: 22.0' TO 31.7'



= breaks on weathered surfaces; no observable slickensides or other structures

planar foliation dips 15°-20°; medium to thickly layered bfg (80%) with disseminated diopside, and qdg (20%)

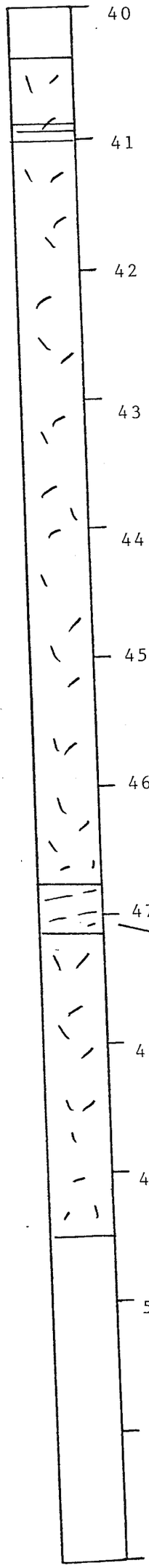
CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 2 INTERVAL: 31.7 TO 40.4



top 8' mostly bfg with disseminated diopside, grades downward into qdg, mostly lower 2'

planar foliation dips 15°-20°

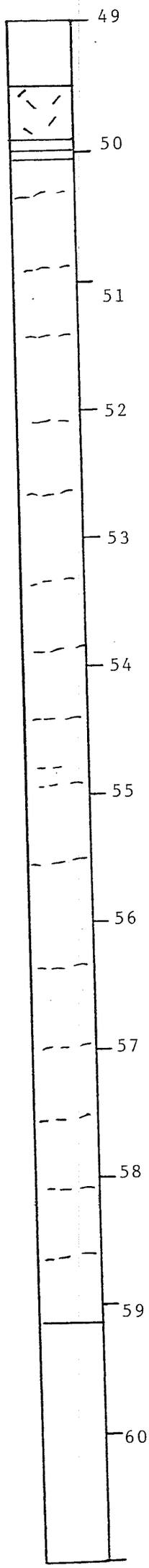
CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 3 INTERVAL: 40.4 TO 49.5



medium-grained, unzoned quartz-plag pegmatite with accessory biotite, garnet, and beryl

medium-grained, medium layered bfg with little or no diopside

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 4 INTERVAL: 49.5 TO 59.1

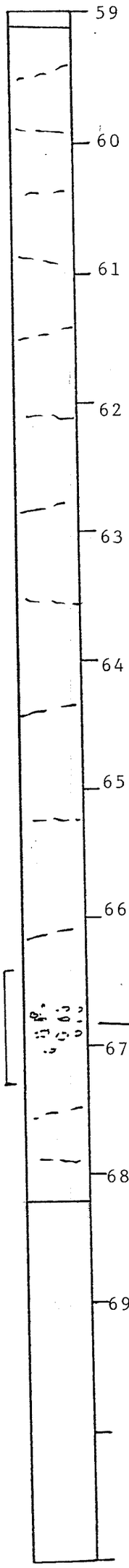


white, medium-grained, quartz-plag pegmatite

friable, rotted bfg

diopsidic bfg (70%) and qdg (30%); flat planar foliation

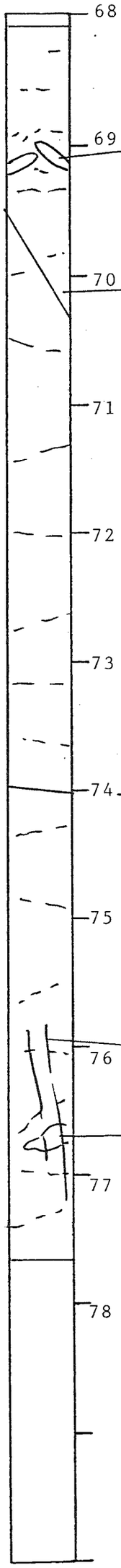
CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 5 INTERVAL: 59.1 TO 68.2



diopsidic bfg (60%) and qdg (40%); flat to shallowly dipping planar foliation

coarse-grained feldspar-biotite clots

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 6 INTERVAL: 68.1 TO 77.7



boudinaged lens of (actinolitic) amphibole

fracture coated with gypsum (?), dips 55°

rock type: thin to medium layered (1-3 cm) qdg (40%) uniformly interlayered with thin to medium layered (1-5 cm) bfg (60%); uniform distribution of both rock types

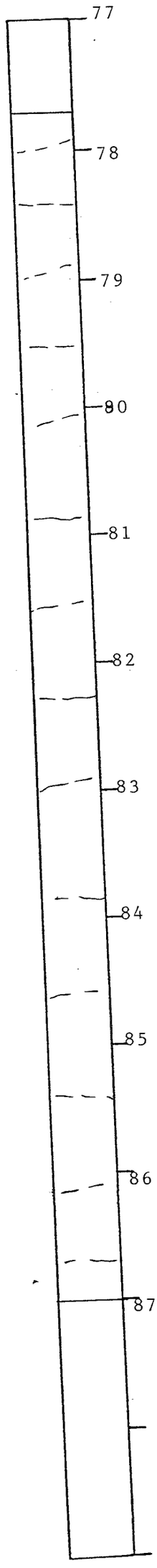
subhorizontal foliation

slickensides: biotite to chlorite and vermiculite

high-angle chloritized fractures

boudinaged lens of (actinolitic ?) amphibole

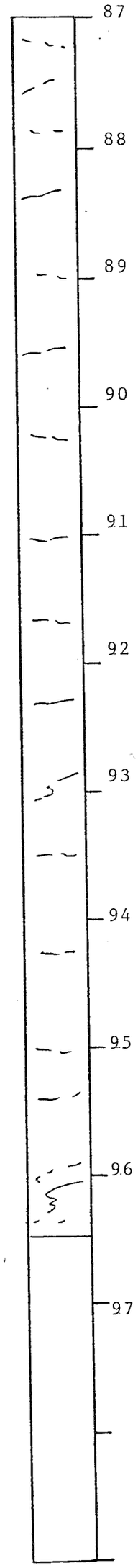
CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 7 INTERVAL: 77.7 TO 87.0



rock type: medium layered diopsidic bfg with negligible development of separate qdg layers

foliation and layering are subhorizontal

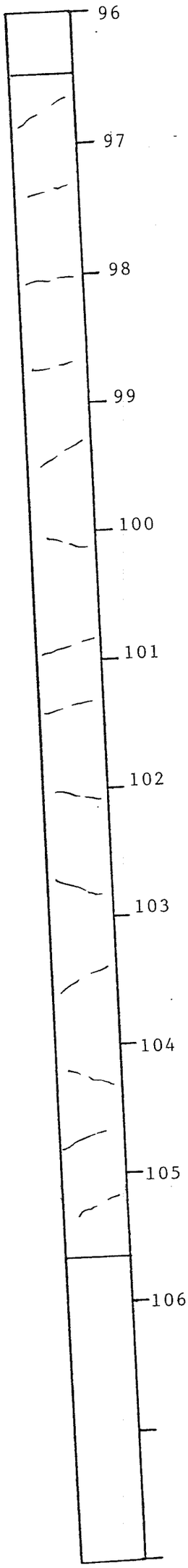
CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 8 INTERVAL: 87.0 TO 96.4



rock type: medium layered diopsidic bfg above 90'; below 90', diopsidic bfg (60%) interlayered with qdg (40%)

subhorizontal layering and foliation; minor discontinuous folding (intrafolial folds)

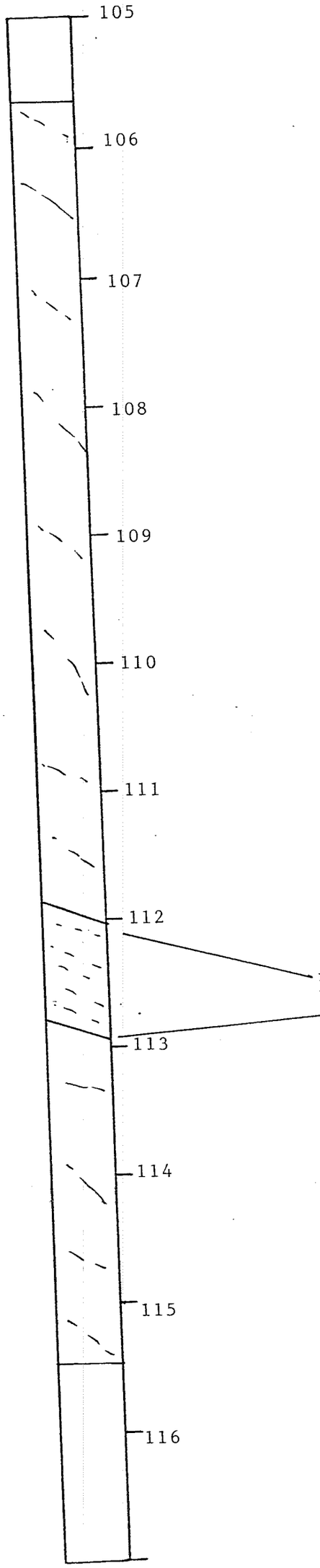
CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 9 INTERVAL: 96.4 TO 105.7



rock type: interlayered medium bfg (60%) and qdg (40%); siliceous qdg layers are coarse-grained, in marked contrast to silicified mylonitic zones in qdg below

variable dip of layering and foliation: 5°-20°

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 10 INTERVAL: 105.7 TO 115.4

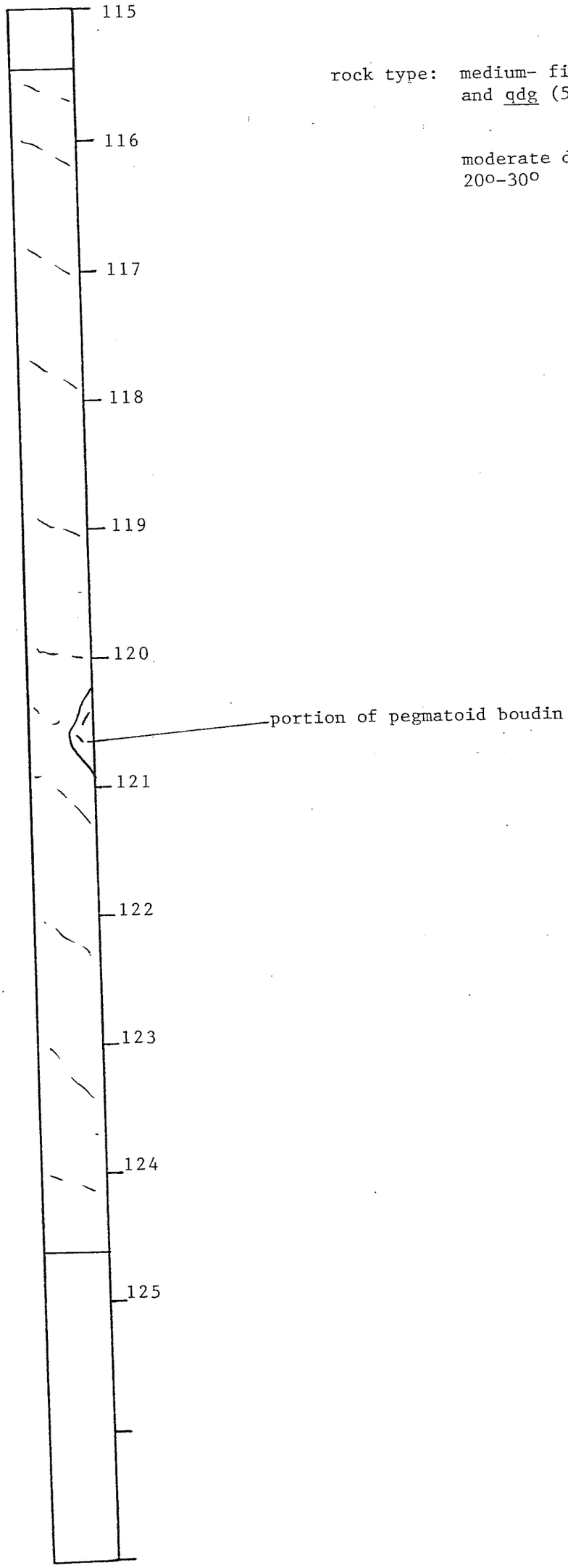


rock types: fine-medium layered bfg (50%) and qdg (50%)

variable and locally steep layering and foliation: 10°-40°

moderately lineated (Bt, Qtz), well foliated quartz-blue plag gneiss; type material of hfg in the Moodus area

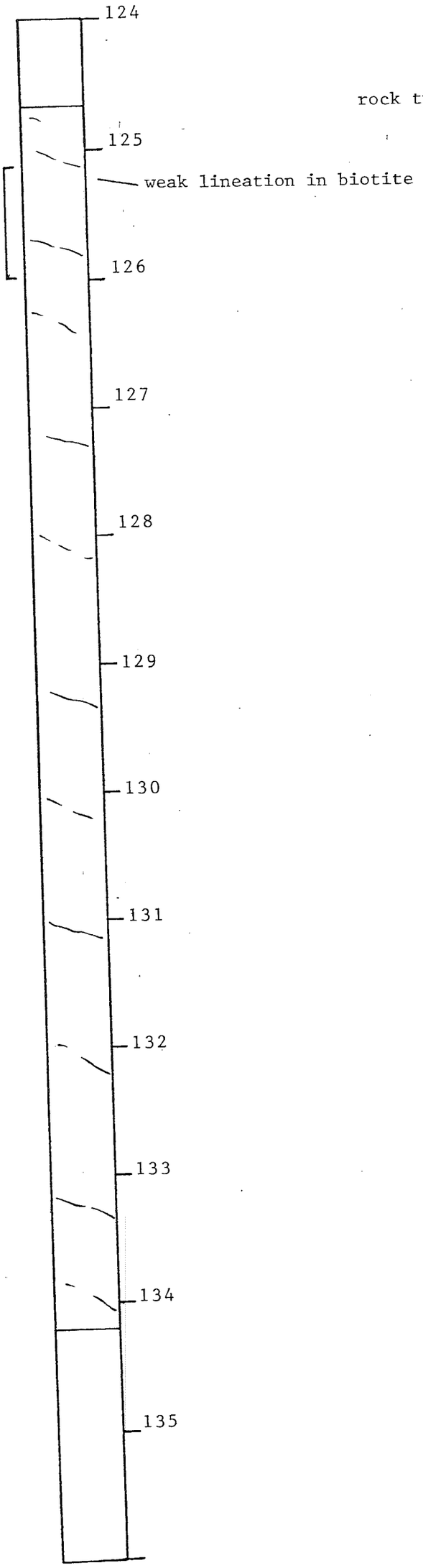
CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 11 INTERVAL: 115.4 TO 124.7



rock type: medium- finely laminated bfg (50%) and qdg (50%)

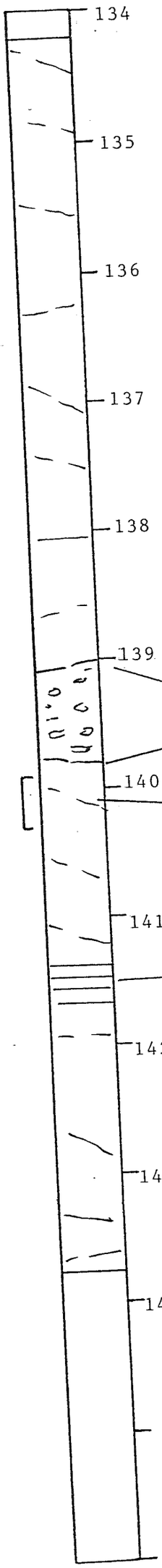
moderate dip of layering and foliation 20°-30°

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 12 INTERVAL: 124.7 TO 134.2



rock type: finely laminated and intercalated bfg (60%) and qdg (40%); minor thin stringers of vein quartz parallel to layering and mostly associated with qdg

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 13 INTERVAL: 134.2 TO 143.8



rock type: finely laminated and intercalated brownish bfg (50%) and qdg (50%)

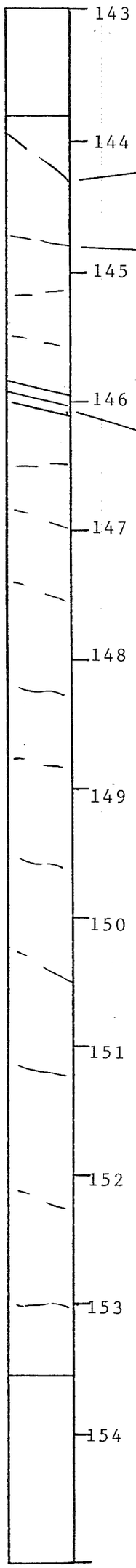
shallow but variable dip of layering and foliation; minor warping of layering, and fluxion folds

interval of coarse-grained, augenoid biotite gneiss

very coarse-grained retrograde muscovite-biotite on subhorizontal surface

argillaceous alteration on shear (?) surfaces)

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 14 INTERVAL: 143.8 TO 153.6



rock type: thinly laminated and intercalated bfg (50-60%) and qdg (40-50%)

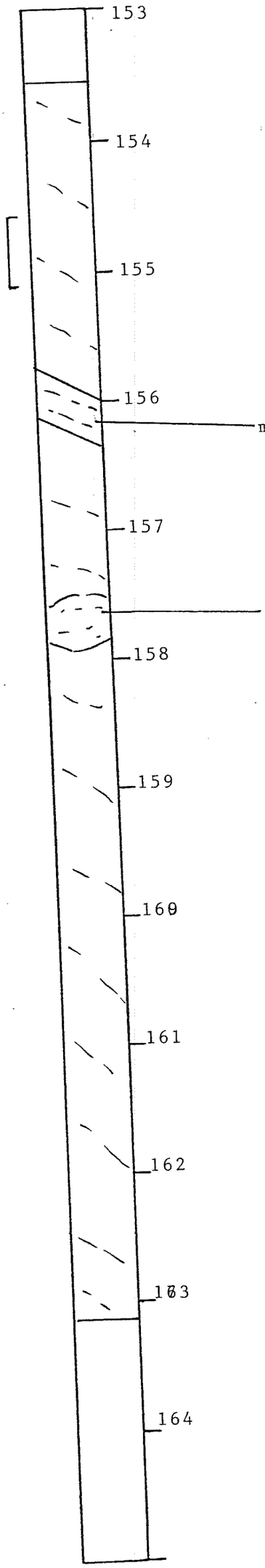
layering and foliation dip approx. 5°

coarse-grained retrograde muscovite on surface dip 20°

strong lineation in biotite, surface dips 5°

weathering alteration on 2 former shear surfaces (weak relict lineation in biotite); n.b. that most other surface cracks show no sign of shear, slickensides, or chemical alteration

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 15 INTERVAL: 153.6 TO 163.1



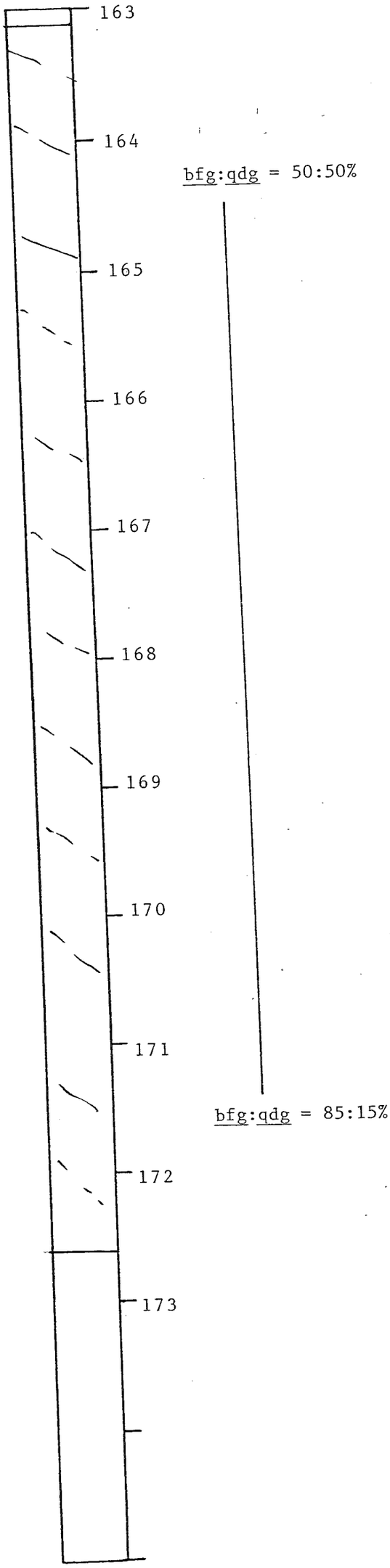
rock type: finely laminated and intercalated bfg (60%) and qdg (40%) over entire interval of core

layering and foliation dip 20°

medium-coarse-grained plag-biotite gneiss

small boudinaged layer of bluish plag-quartz-biotite gneiss (hfg), but non-lineated

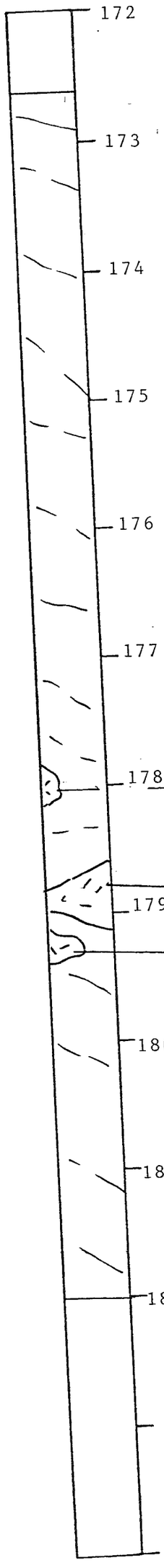
CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 16 INTERVAL: 163.1 TO 172.6



rock type: non-lineated, very well foliated, thinly layered and intercalated qdg and bfg at top grade downward to mostly bfg at bottom of interval

planar layering and foliation dip 20°

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 17 INTERVAL: 172.6 TO 182.0



rock type: abrupt appearance of leucocratic gneiss, non-lineated equivalent (?) of hfg, with zones of milled, finely laminated and foliated mylonite

shallow to moderate dip on planar layering and foliation

n.b. entire box shipped to London

apparent mylonitization of leuco. gneiss

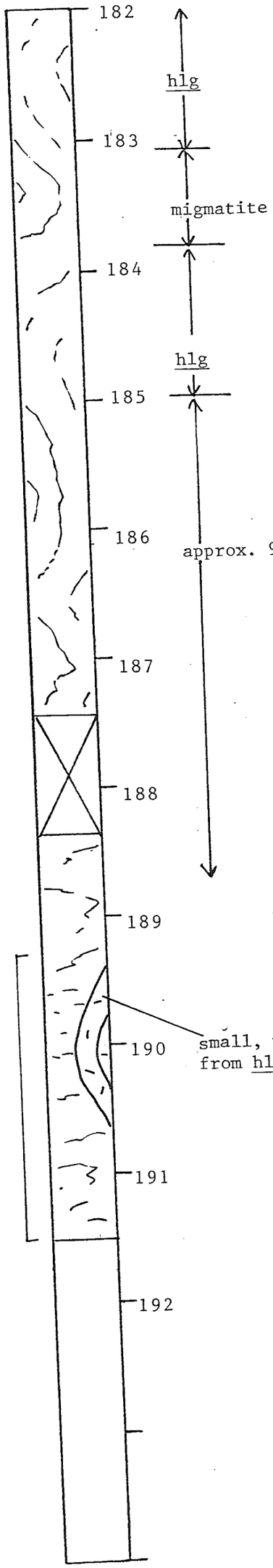
edge of pegmatoid boudin

very coarse-grained quartz-plag peg with medium-grained biotite

edge of pegmatoid boudin

interval of mylonitic leuco gneiss

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 18 INTERVAL: 182.0 TO 191.5

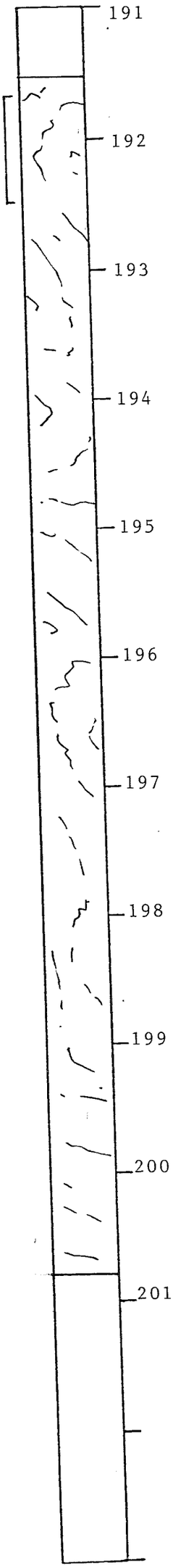


rock type: bluish-gray leucocratic gneiss is weakly to non-foliated, massive, and essentially without biotite or other mafic phase

alternation of bluish plag (?) and white ksp (?) defin weak layering, and also delineate presence of broad open folds

leuco. gneiss designation is hlg

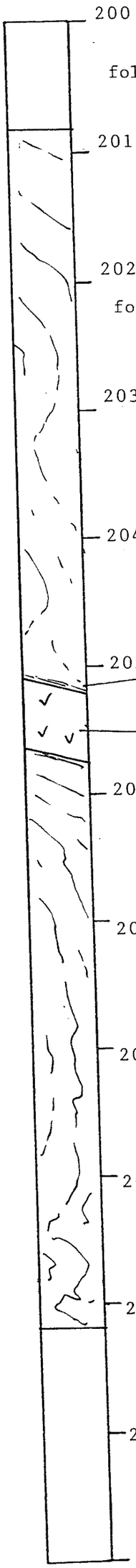
CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 19 INTERVAL: 191.5 TO 200.8



rock type: interval 191.5'-199': migmatitic, coarse-grained bfg intercalated with plagioclase gneiss; biotite-rich layers define moderate lineation, strong foliation, and contorted, open folds with subhorizontal axial planes

interval 199'-200.8': gneiss hlg, but with moderate lineation and strong foliation in quartz and qartz-feldspar folia

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 20 INTERVAL: 200.8 TO 210.2



fol=lay: 5°

rock type: mostly hlg with ghosts and layers of coarse-grained bfg (no diopside)

lineation in bleached biotite (vermiculite)

fol=lay: 10°-20°

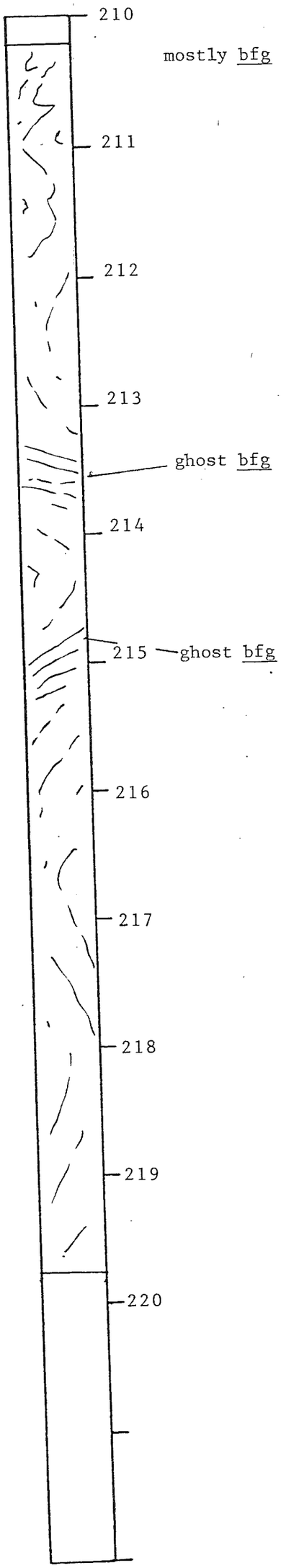
broad, open folding in hlg, lineation of quartz rods is parallel to fold axes; folds are $F2_H$ type

lineation in biotite selvage at edge of quartz vein

quartz vein

migmatitic bfg intercalated with hlg

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 21 INTERVAL: 210.2 TO 219.8

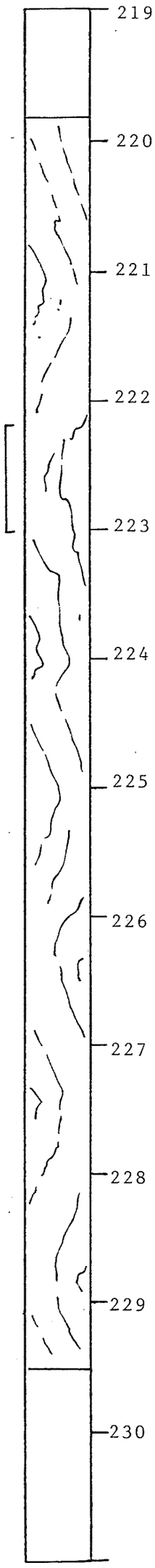


mostly bfg

rock type: moderately lineated gneiss transitional from hlg to hfg mottled bluish white, with minor biotite

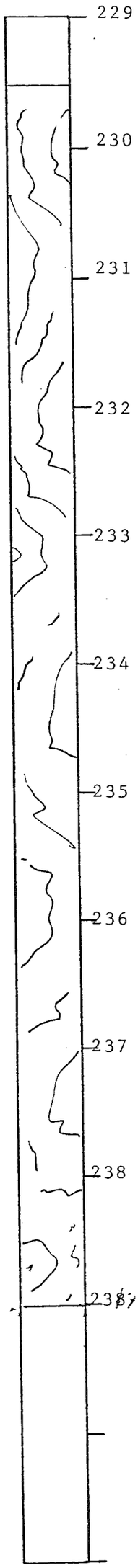
open fold axes plunge 0°-5° with subhorizontal fold axial planes

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 22 INTERVAL: 219.8 TO 229.5



rock type: "marbled" hlg with variable accessory biotite; quartz is strongly lineated in open folds that plunge 10°

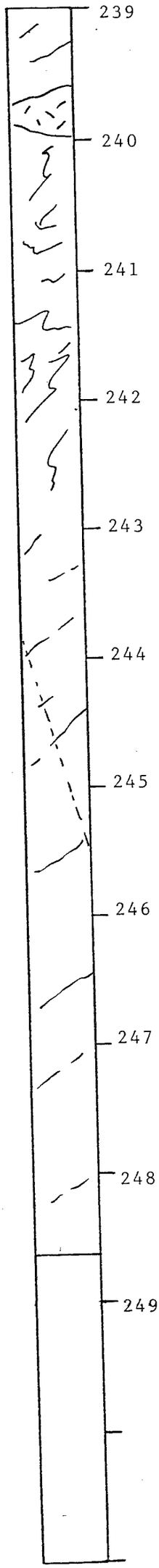
CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # ~~23~~ INTERVAL: ~~229.5~~ TO ~~239.0~~



rock type: coarse- to very-coarse-grained augen gneiss (migmatitic bfg ?) with stringers of recognizable bfg (non-diop).

open folds with subhorizontal axes and axial planes, weak lineation in biotite and quartz

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 24 INTERVAL: 239.0 TO 248.7



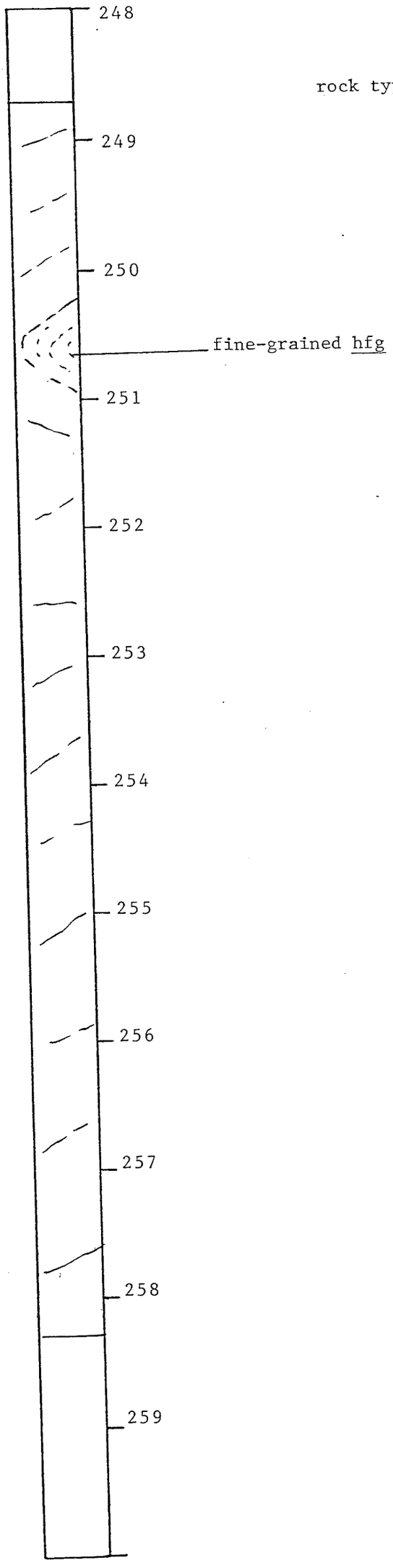
beryl-bearing peg.

rock type: migmatitic bfg in quartz-plag-biotite gneiss (hlg-hfg)

subhorizontal fold axes with fold axial planes dip 25°-30°

foliation cuts across angular contact with medium-coarse-grained hlg and medium-fine-grained hfg to bottom of interval

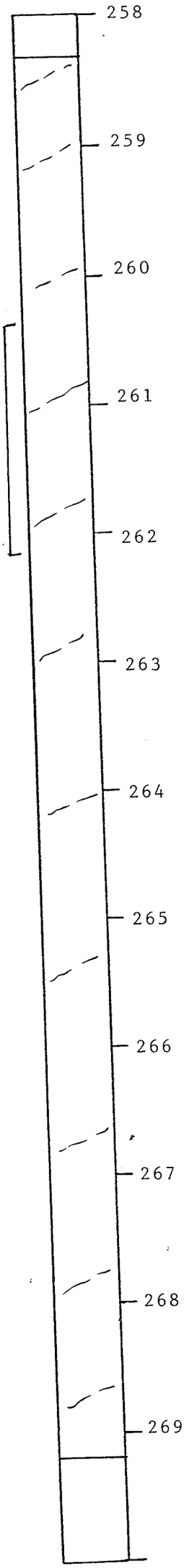
CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 25 INTERVAL: 248.7 TO 258.3



rock type: fine-medium-grained, weakly lineated (in biotite) hfg

shallow but variable dip of layering and foliation

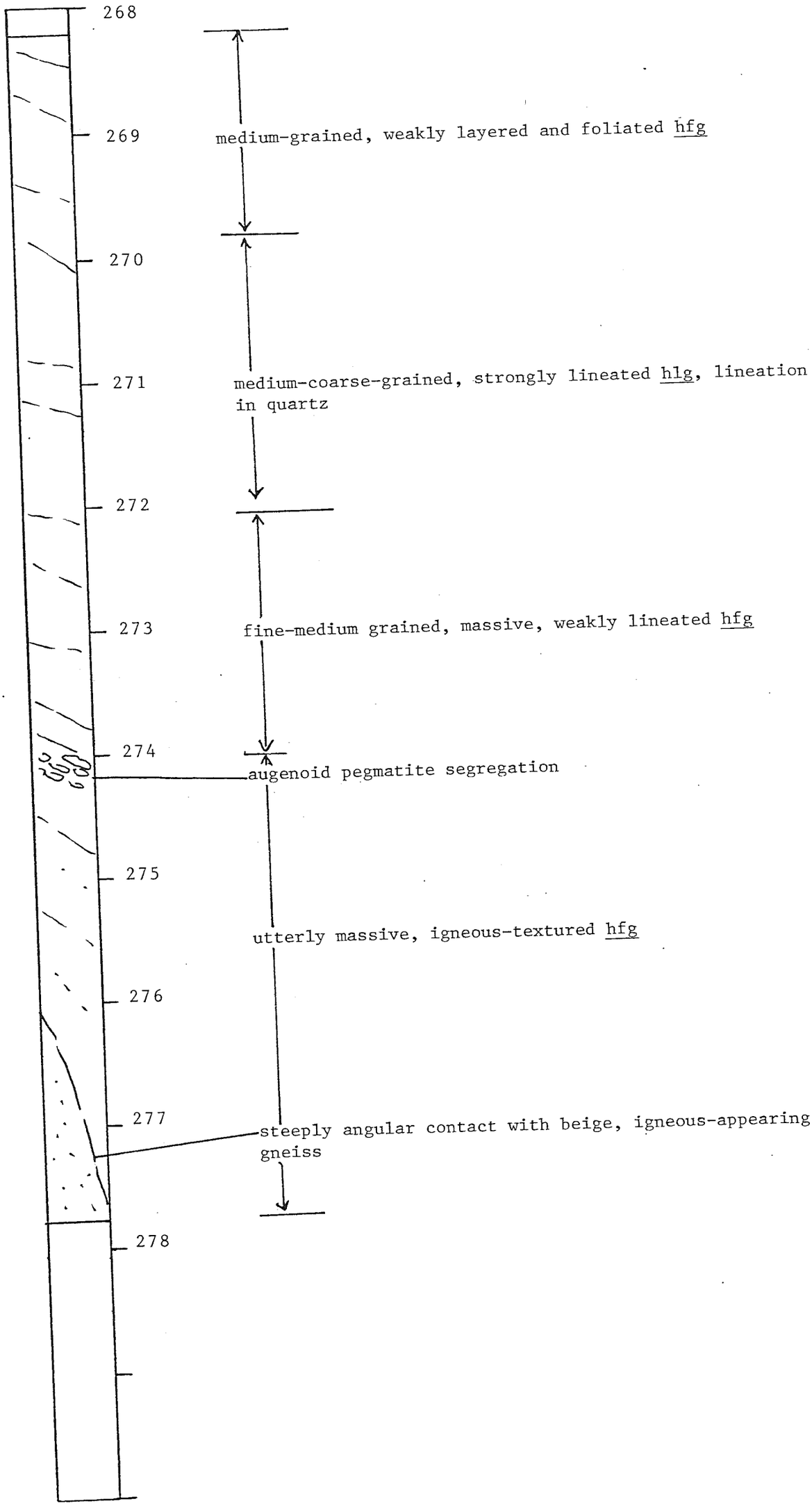
CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # ~~826~~ INTERVAL: 258.3 TO ~~269.2~~



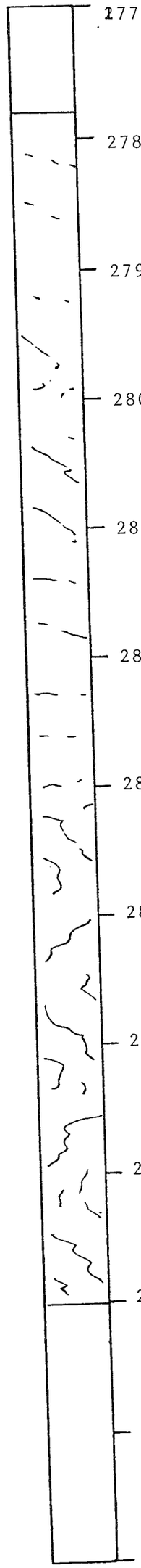
rock type: entire interval is homogeneous, medium-grained, moderately foliated and weakly lineated hfg

layering and foliation are subhorizontal

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 27 INTERVAL: 268.2 TO 277.8



CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 28 INTERVAL: 277.8 TO 287.0



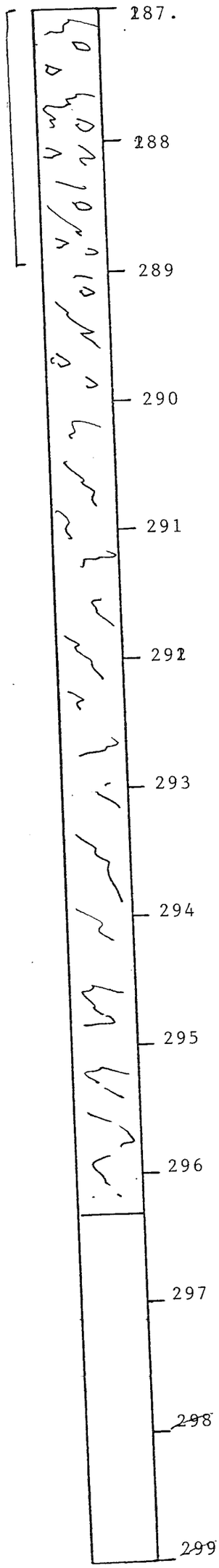
medium-coarse-grained, lineated hlg-hfg
lineation on foliation dips 30°

medium-grained, nonlineated hfg

fine-grained, weakly lineated hfg with subhorizontal foliation

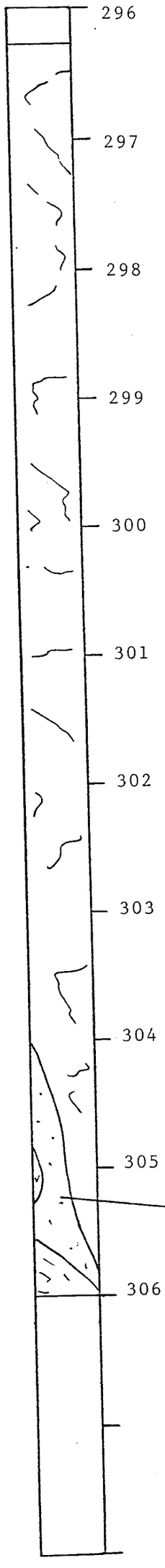
coarse-grained, migmatitic augen gneiss, open folding with subhorizontal axes and fold axial planes

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 29 INTERVAL: 287.0 TO 296.3



very-coarse-grained migmatitic augen gneiss with contorted fluxion folds grades abruptly below 290' into medium-coarse-grained, weakly lineated hlg-hfg that displays disrupted folds

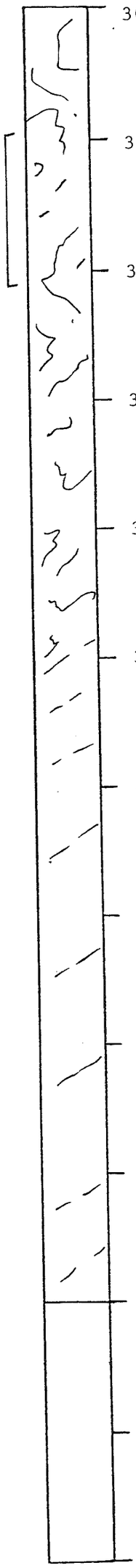
CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 30 INTERVAL: 296.3 TO 306.0



rock type: coarse-grained hlg, weak foliation and lineation, openly folded

aplite with central core-vein quartzand very-coarse-grained brown tourmaline cuts hlg

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 31 INTERVAL: 306.0 TO 316.0



coarse-grained, folded hlg-hfg

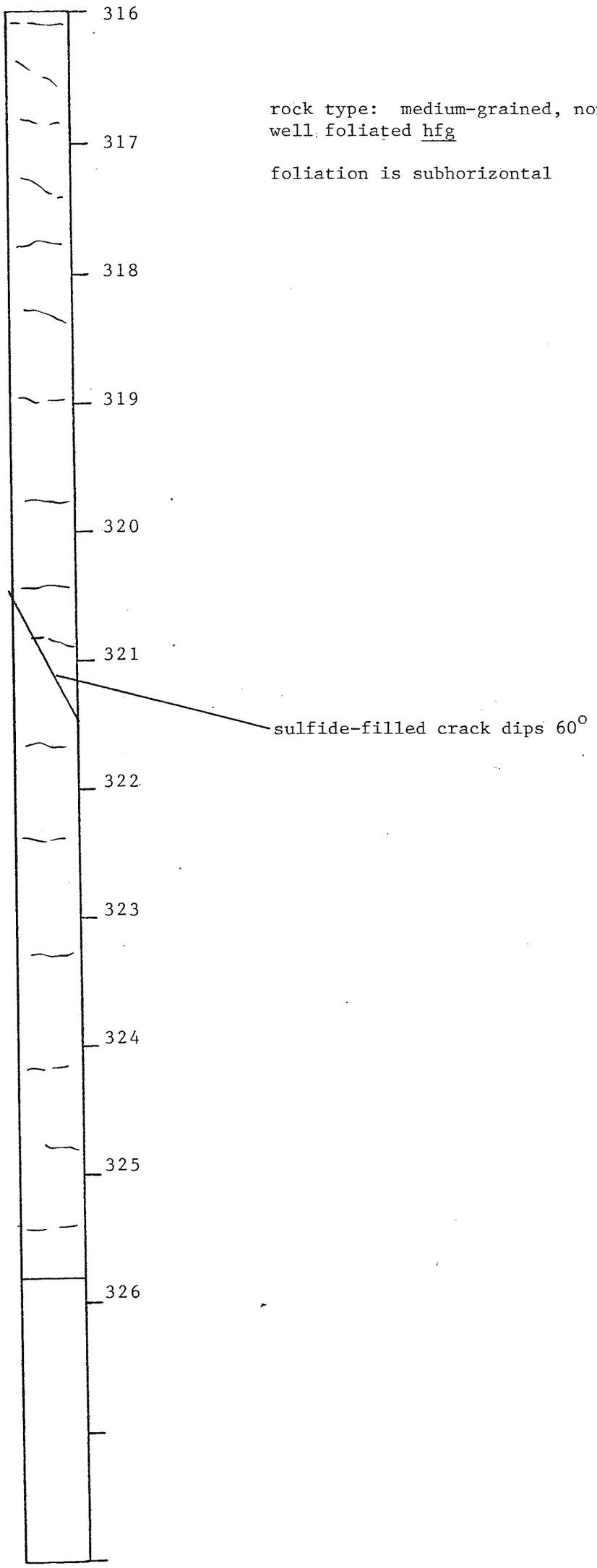
medium-coarse-grained, lineated and foliated, folded, hfg

fine-medium-grained, non-lineated, weak foliation, non-folded hfg

foliation in hfg dips 40°-45°

peg. vein dips 40°

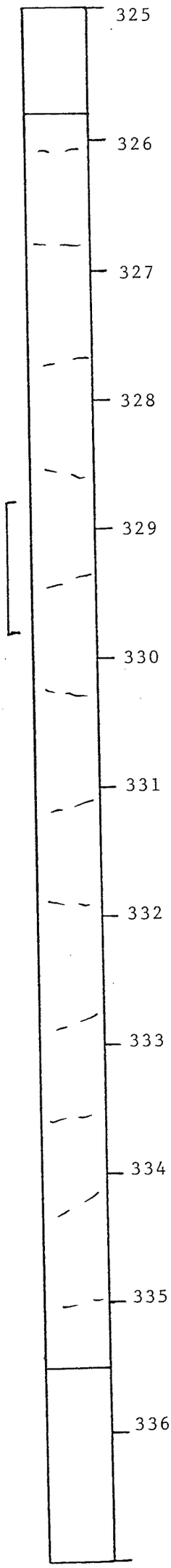
CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 32 INTERVAL 316.0 TO 325.8



rock type: medium-grained, non- to weakly lineated, well foliated hfg

foliation is subhorizontal

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 33 INTERVAL: 325.8 TO 335.5

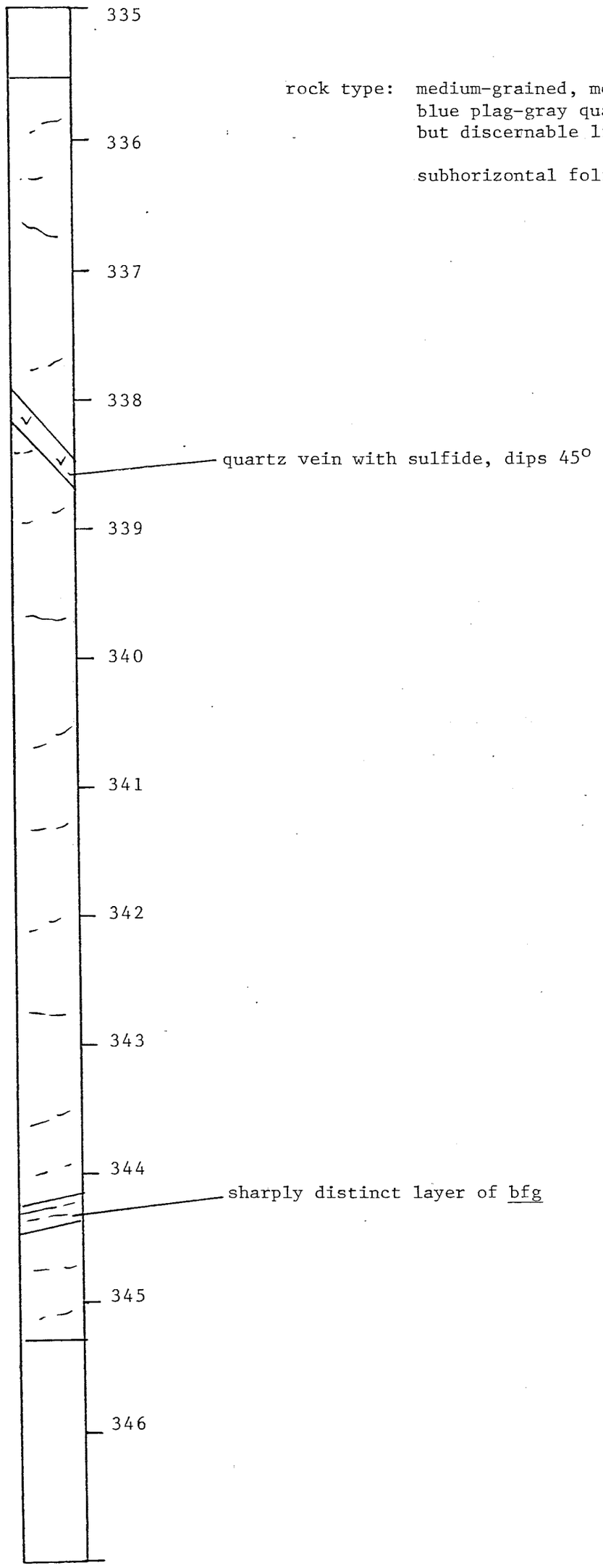


rock type: hfg grades downward into less mafic
hlg-hfg

above 332': no- to weak lineation in biotite

below 332': strong lineation in quartz and biotite

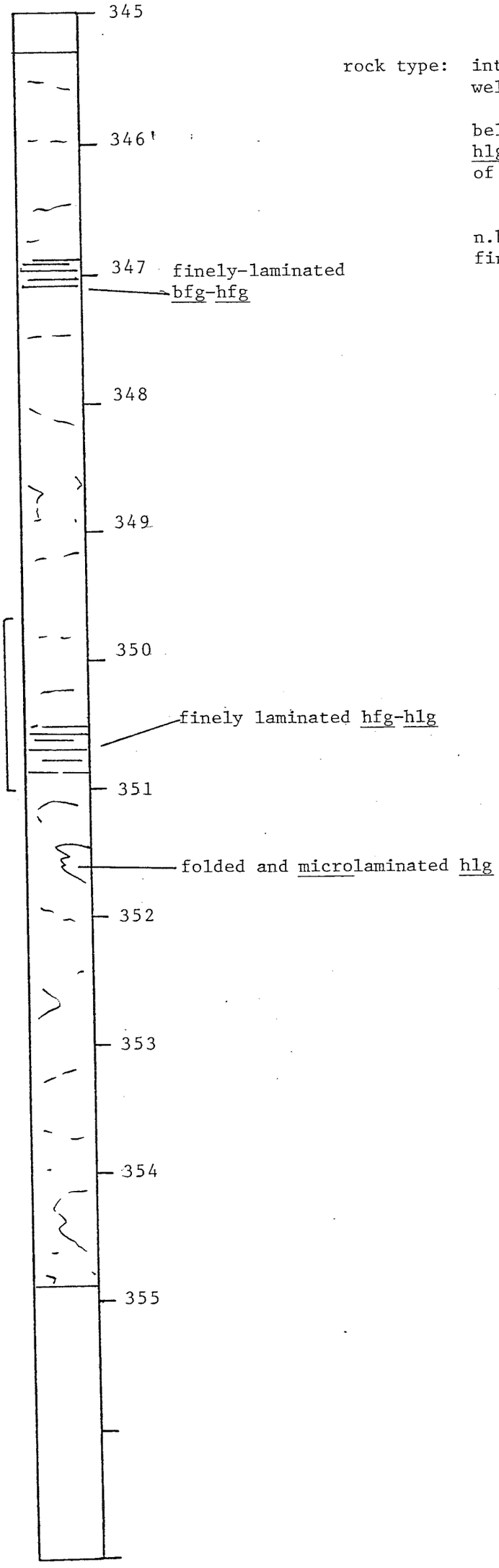
CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 34 INTERVAL: 335.5 TO 345.3



rock type: medium-grained, moderate foliation
blue plag-gray quartz hfg with weak
but discernable lineation in biotite

subhorizontal foliation

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 35 INTERVAL: 345.3 TO 354.9

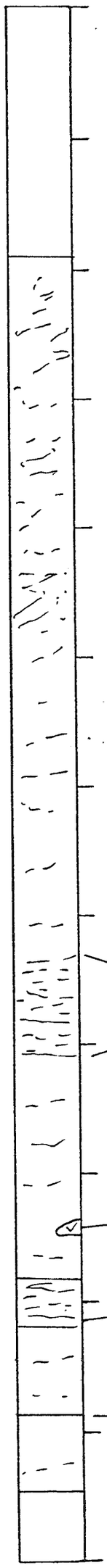


rock type: interval above 347' is typical, well lineated hfg

below 347', alternations of transitional hlg-hfg with planar and contorted layers of bfg

n.b. that three zones display extremely fine microlamination

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 36 INTERVAL: 354.9 TO 364.5



bfg:hfg = 85:15%, contorted layering and foliation

bfg:hfg-hlg = 30:70%, subhorizontal planar foliation

ghost bfg in lineated hfg-hlg; lineation defined by discoidal quartz folia

mostly hfg-hlg

interlayered laminations of bfg-hlg

hlg (blue plag, gray quartz, no biotite)

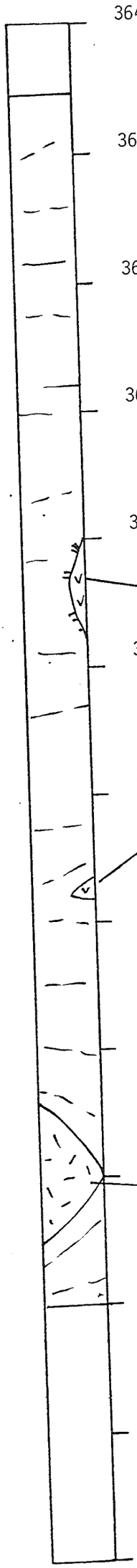
vein quartz

bfg

weak slickenside, biotite-chlorite on undulating surface 18°

hlg, bluish plag, lineated gray quartz

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 37 INTERVAL: 364.5 TO 374.0



rock type: above 370', bluish hlg with strong lineation in quartz, suhorizontal layering and foliation.

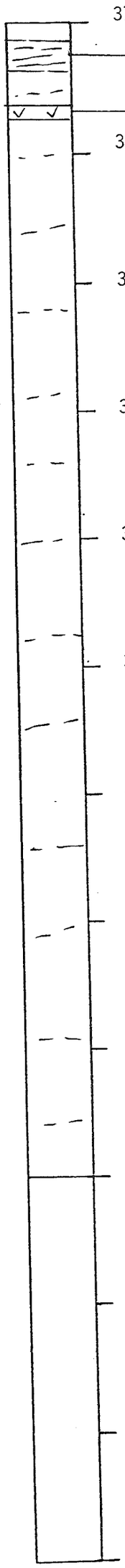
vein quartz (?), bordered by brown tourmaline (or amphibole ?)

rock type: below 370', thinly layered and intercalated bfg-qdg atleranates with hfg-hlg

vein quartz (boudin?)

quartz-plag-muscovite-biotite gneiss boudin

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 38 INTERVAL: 374 TO 383.0



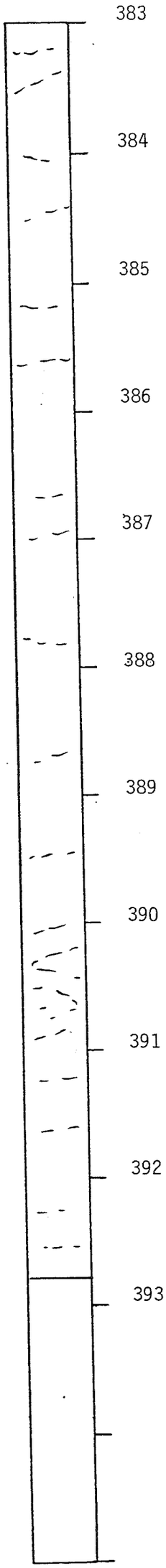
subhorizontal layer/foliation in bfg

quartz vein

rock type over remainder of interval: medium-grained, non-layered, weakly foliated, homogeneous quartz-plag-muscovite-biotite gneiss

Qtz-Plg-Mu-Bt gneiss is bluish gray and resembles hlg-hfg except for abundance of muscovite

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 39 INTERVAL: 383.0 TO 392.8



rock type: over entire interval, bluish gray, medium-coarse grained, moderately foliated (subhorizontal) and weakly lineated hlg (blue plag, gray quartz, trace biotite) with abundant patches of weakly lineated coarse-grained muscovite

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 40 INTERVAL: 392.8 TO 402.2

grayish blue, weakly foliated, non-lineated hlg with gradational pegmatoid segregations

interval below 395.3' is thin-medium layered and intercalated bfg (80%) and qdg (20%) displaying subhorizontal (axes, axial planes) fluxion folds

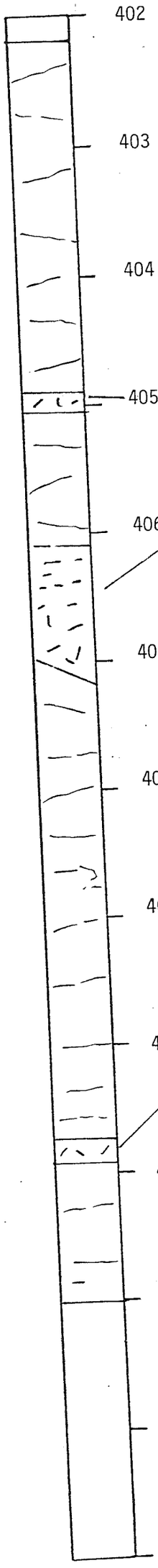
medium-coarse-grained to pegmatoid hlg

medium-coarse-grained to pegmatoid hlg

strong lineation in boitite on subhorizontal surface

microlaminated, silicified qdg (mylonite ?)

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 41 INTERVAL: 402.2 TO 412.0



rock type: top, thin layered (1-3 cm) bfg (60%) intercalated with qdg (40%), grades downward to thickly layered to 10 cm) bfg (80%) and thin layers of qdg (20%)

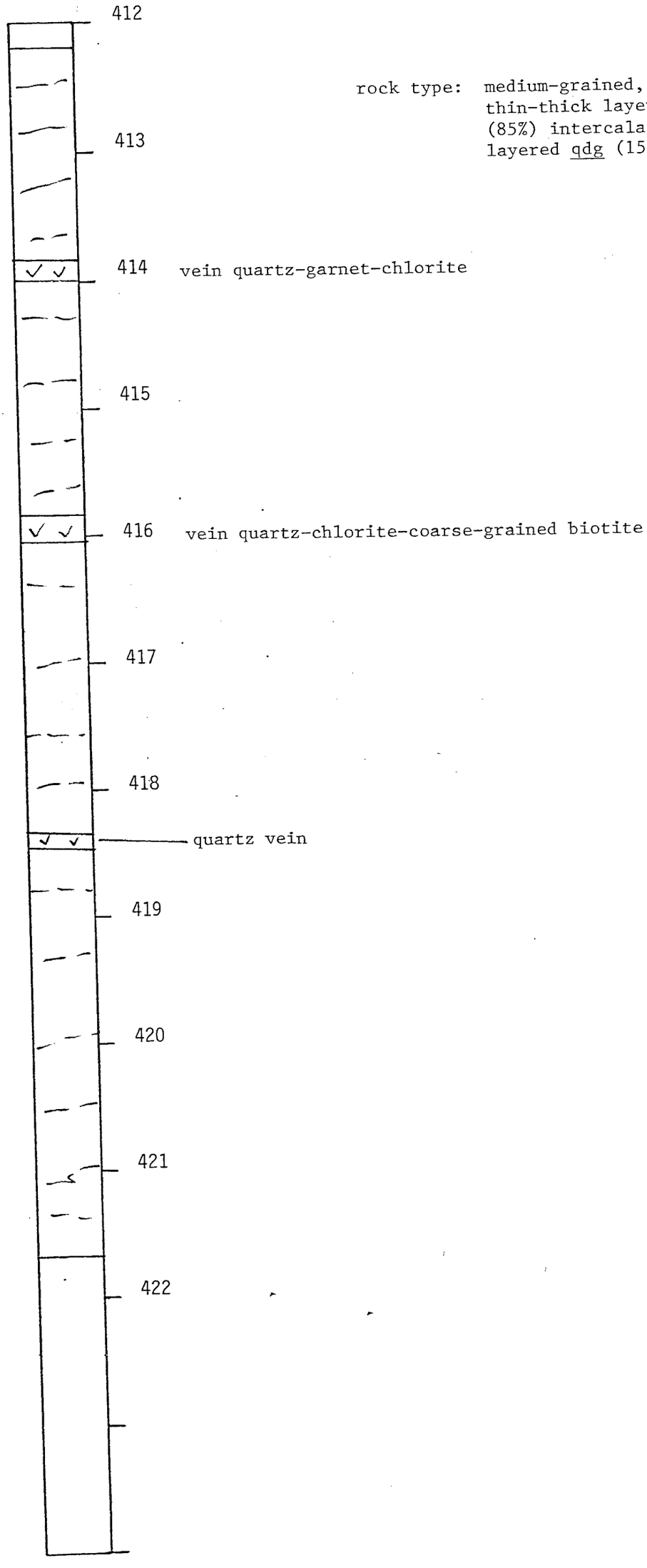
shallow but variable foliation, layering, no conspicuous folding

405 — medium-grained pegmatite (blue plag, gray quartz)

406 blue plag/gray quartz pegmatite grades upward into comp. similar gneiss (hlg)

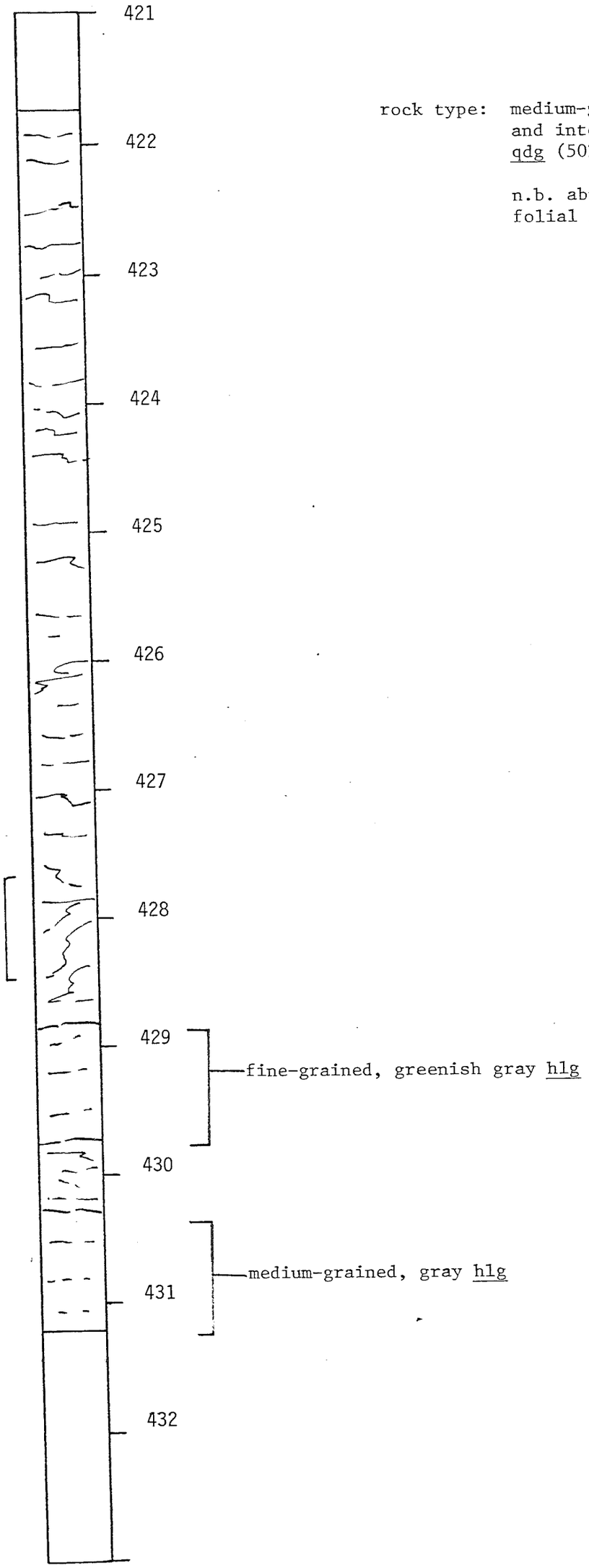
410 blue plag/gray quartz peg.

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 42 INTERVAL: 412.0 TO 421.7



rock type: medium-grained, well foliated, thin-thick layered (1-5 cm) bfg (85%) intercalated with thin (1 cm) layered qdg (15%)

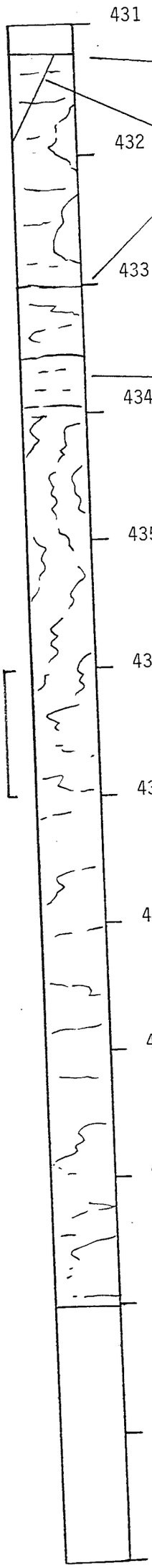
CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 43 INTERVAL: 421.7 TO 431.3



rock type: medium-grained, finely laminated and intercalated bfg (50%) and qdg (50%)

n.b. abundant and conspicuous intra-folial fluxion folds

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 44 INTERVAL: 431.3 TO 441.0



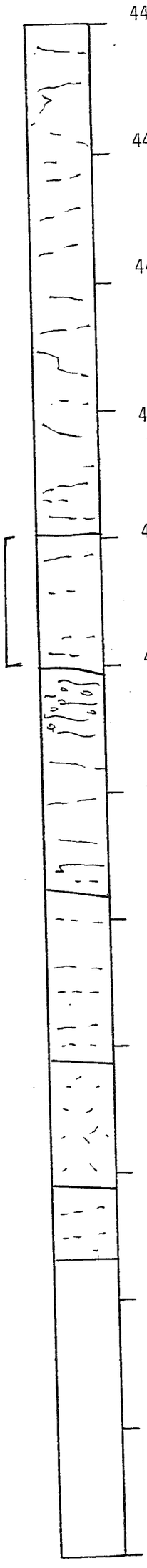
fine-grained, massive leucocratic gneiss (hlg ?) intrudes medium-grained gray gneiss of similar composition (e.g., hlg)

quartz vein with sulfides, amphibole or tourmaline

fine-grained leuco. gneiss similar to intrusive rock noted above

most of interval is medium-grained, gray hlg, with small, attenuated folds (subhorizontal fold axes and axial planes), folds are isoclinal to ptygmatic, produce augenoid texture. by "rolled" layers (mullions?)

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 45 INTERVAL: 441.0 TO 450.7



bfg, trace diopside, migmatitic and augenoid texture

medium-grained, gray, non-layered and non-foliated plag-quartz-biotite gneiss

coarse-grained augenoid biotite schist

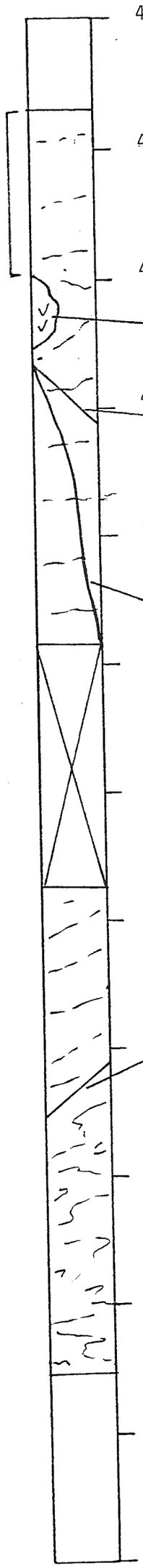
bfg

finely layered gray plag-quartz-biotite gneiss

non layered, weakly foliated (by discoidal quartz segregations) bluish leucocratic gneiss (hlg ?)

gray gneiss as at 448'

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 46 INTERVAL: 450.7 TO 460.5



rock type: medium-coarse-grained, bluish gray foliated hlg (n.b. folded around vein quartz)

vein quartz

vein quartz with sulfide, amphibole or tourmaline, dip 45°

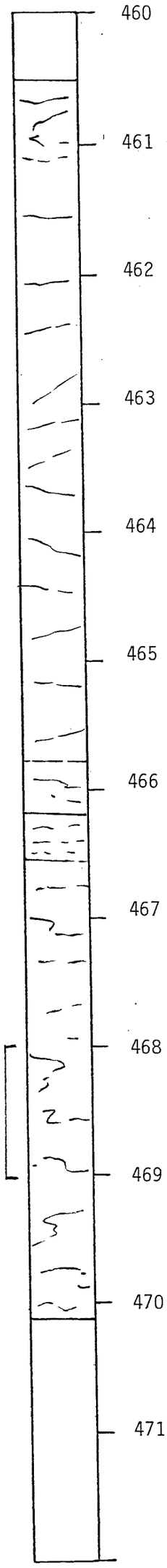
vein quartz with sulfide, amphibole or tourmaline, dip 85°

slickenside (chlorite), dip 45°

layering in hlg is planar above slick, folded and contorted below slick

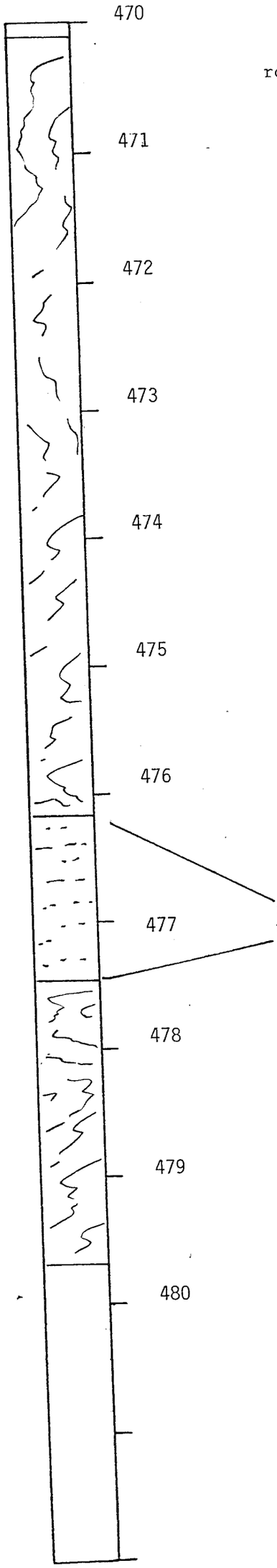
general dip of foliation and layering: 30°

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 47 INTERVAL: 460.5 TO 470.1



rock type: fine-medium-graien bluish gray hlg layers folded into and interlayered with bfg (70%)-qdg (30%)

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 48 INTERVAL: 470.1 TO 479.7

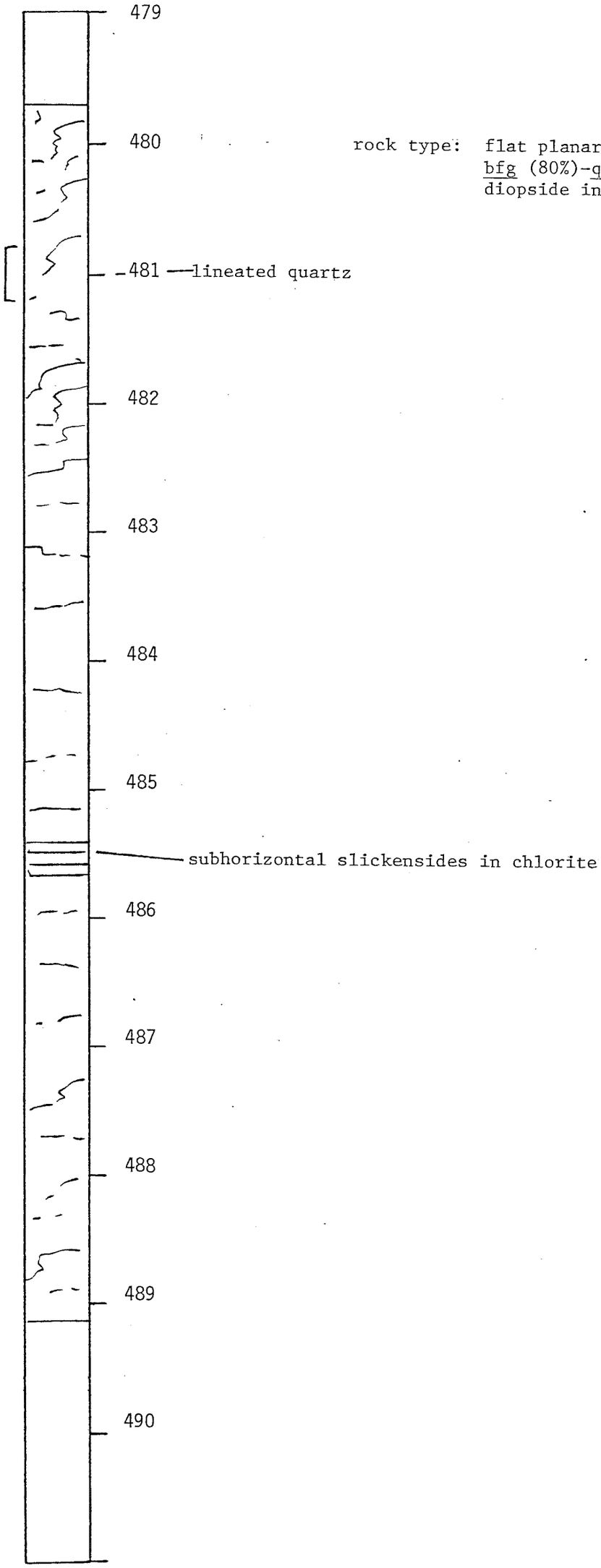


rock type: bfg, minor diopside, with leucocratic layers, (not hlg)

considerable folding throughout interval is highly attenuated, complex fluxion folds on larger open folds, both with subhorizontal fold axes and axial planes

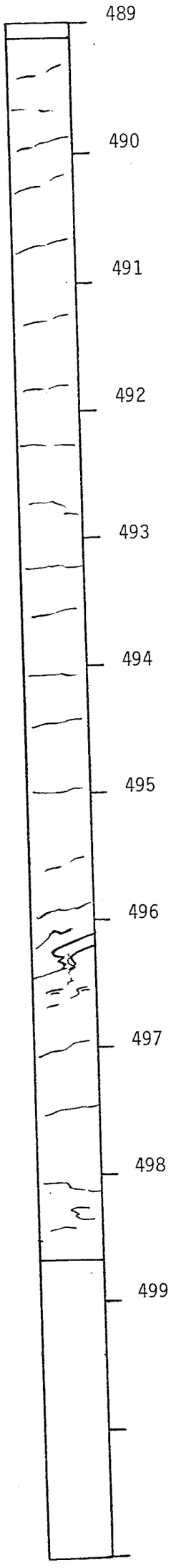
foliated bluish hlg, flat, planar foliation undisturbed by surrounding folds in bfg

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 49 INTERVAL: 479.7 TO 489.1



rock type: flat planar to contorted folding in bfg (80%)-qdg (20%), some disseminated diopside in bfg

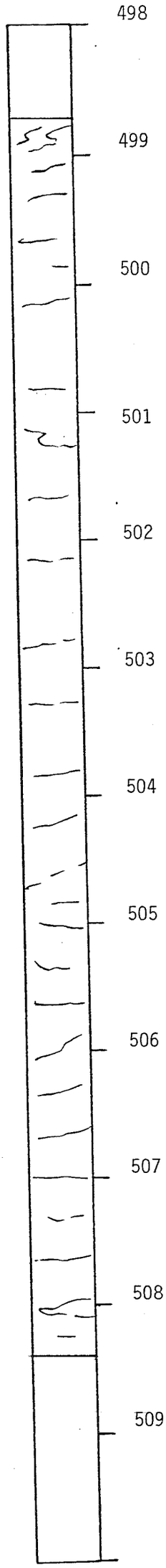
CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 50 INTERVAL: 489.1 TO 498.7



rock type: finely laminated and intercalated bfg (50%)-qdg (50%)

fabric is mostly subhorizontal layering and foliation with few zones of contorted intrafolial fluxion folds

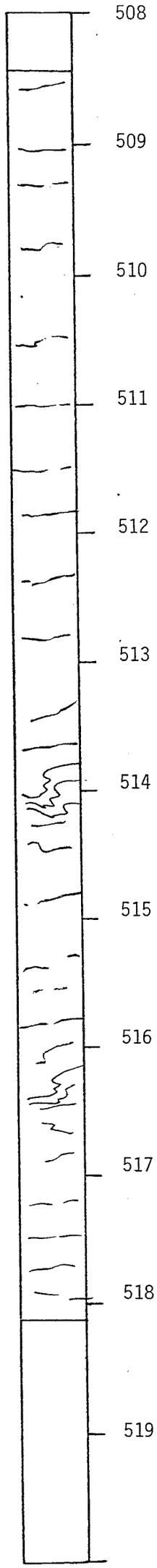
CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 51 INTERVAL: 498.7 TO 508.4



rock type: finely laminated and intercalated bfg (55%)/qdg (45%)

subhorizontal foliation with numerous intrafolial folds

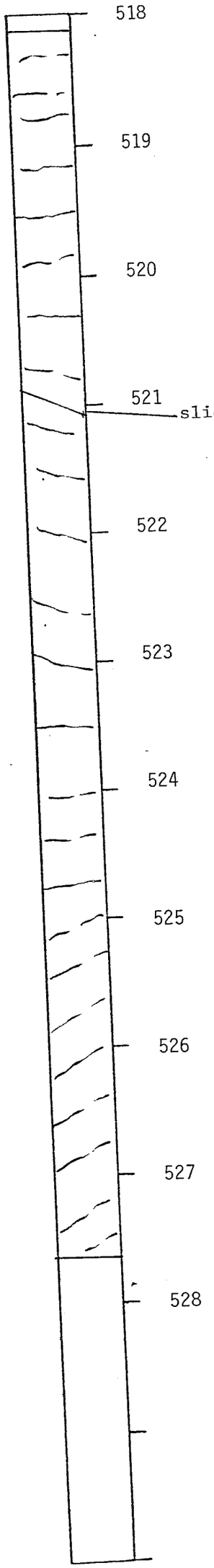
CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 52 INTERVAL: 508.4 TO 518.1



rock type: finely layered and intercalated bfg (60%) and qdg (40%)

generally shallow but variable foliation
fluxion folds at 514' and 516'

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 53 INTERVAL: 518.1 TO 527.7

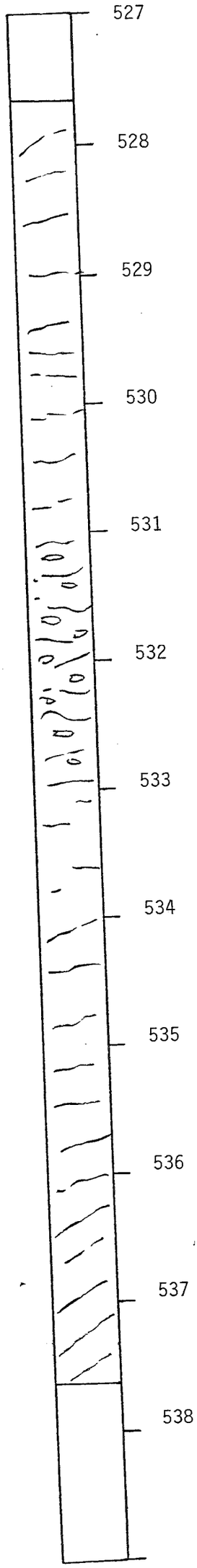


rock type: finely layered and intercalated bfg(80%)-qdg (20%)

foliation steepens toward bottom of interval; isoclinal to ptygmatic folds in some layers of qdg

slickenside in chlorite, dips 15°

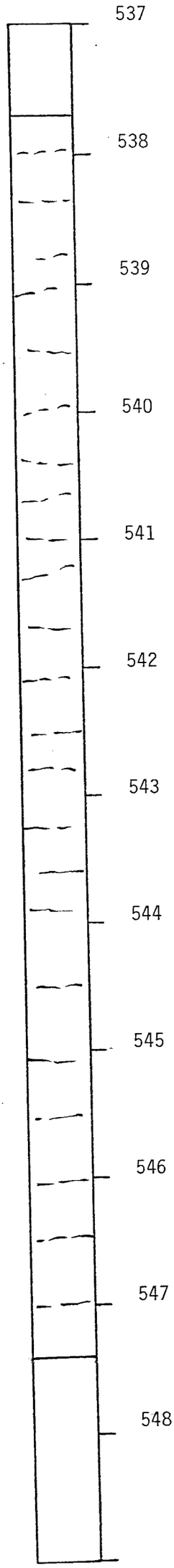
CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 54 INTERVAL: 527.7 TO 537.7



rock type: laminated and finely intercalated bfg (70%)-qdg (30%)

development of augenoid fabric and coarse vein quartz in qdg at 531'-533'

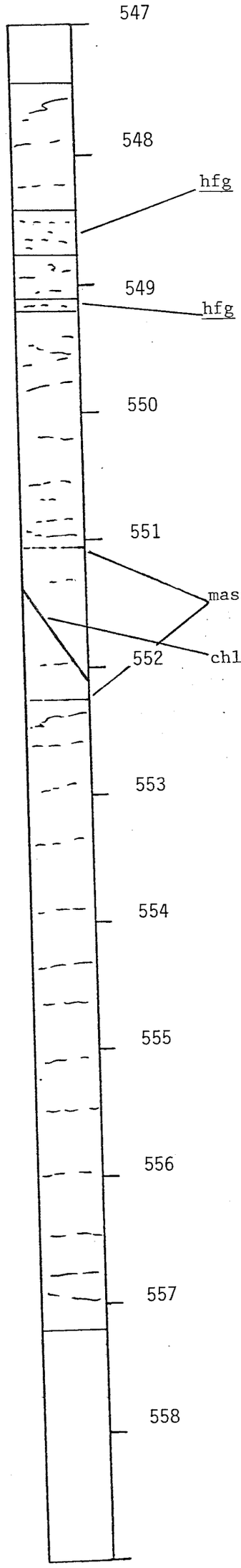
CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 55 INTERVAL: 537.7 TO 547.4



rock type: fine-medium-grained, thinly layered and intercalated bfg (70%)-qdg (30%)

shallow but variable dip of foliation

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 56 INTERVAL: 547.4 TO 557.2



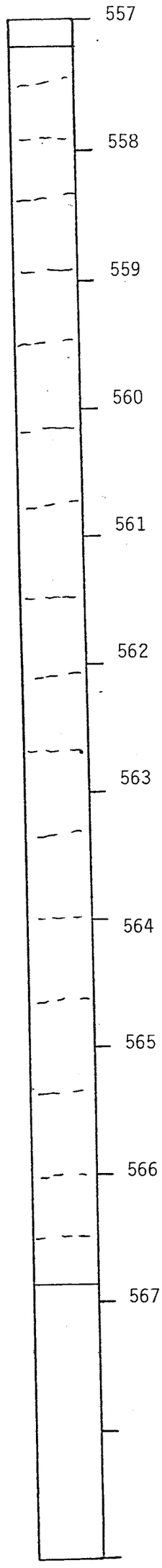
rock type: fine-medium-grained, thinly to thickly layered and intercalated bfg (70%)-qdg (30%), grades downward to bfg:qgd=60:30%

subhorizontal layering and foliation

massive, sandy, thick layer of bfg

chlorite alteration on fracture, dips 45°

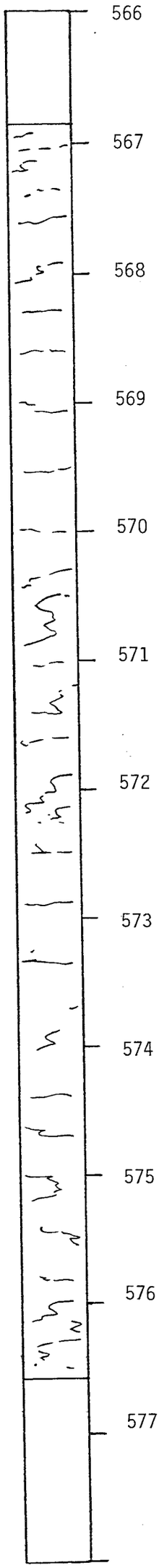
CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 57 INTERVAL: 557.2 TO 566.9



rock type: thinly layered and intercalated bfg (70%) and qdg (30%)

subhorizontal layering and foliation

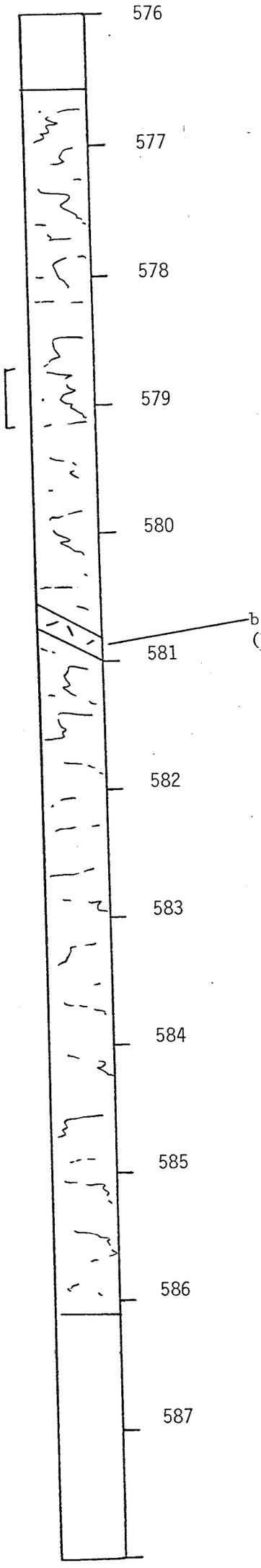
CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 58 INTERVAL 566.9 TO 576.6



rock type: thin-medium layered and intercalated bfg (70%)-qdg (30%)

tight isoclinal to ptygmatic folds with subhorizontal axes and axial planes in bfg

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 59 INTERVAL: 576.6 TO 586.1

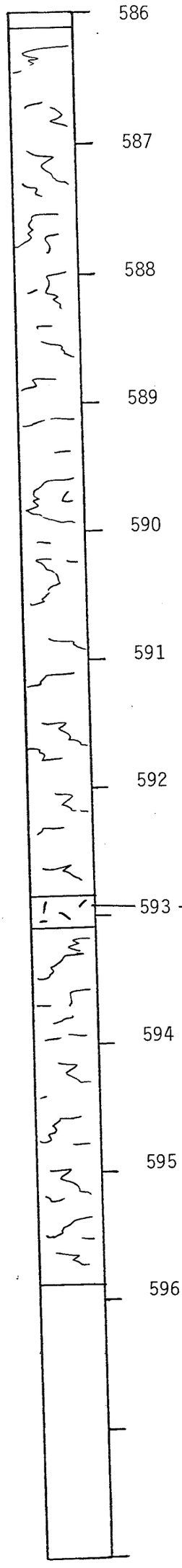


rock type: intercalated bfg (85%)-qdg (15%)

isoclinal to ptygmatic folds in bfg, sub-horizontal layering, fold axes and axial planes

blue plag-gray quartz medium-grained gneiss and pegmatite (hlg)

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 60 INTERVAL: 586.1 TO 595.9

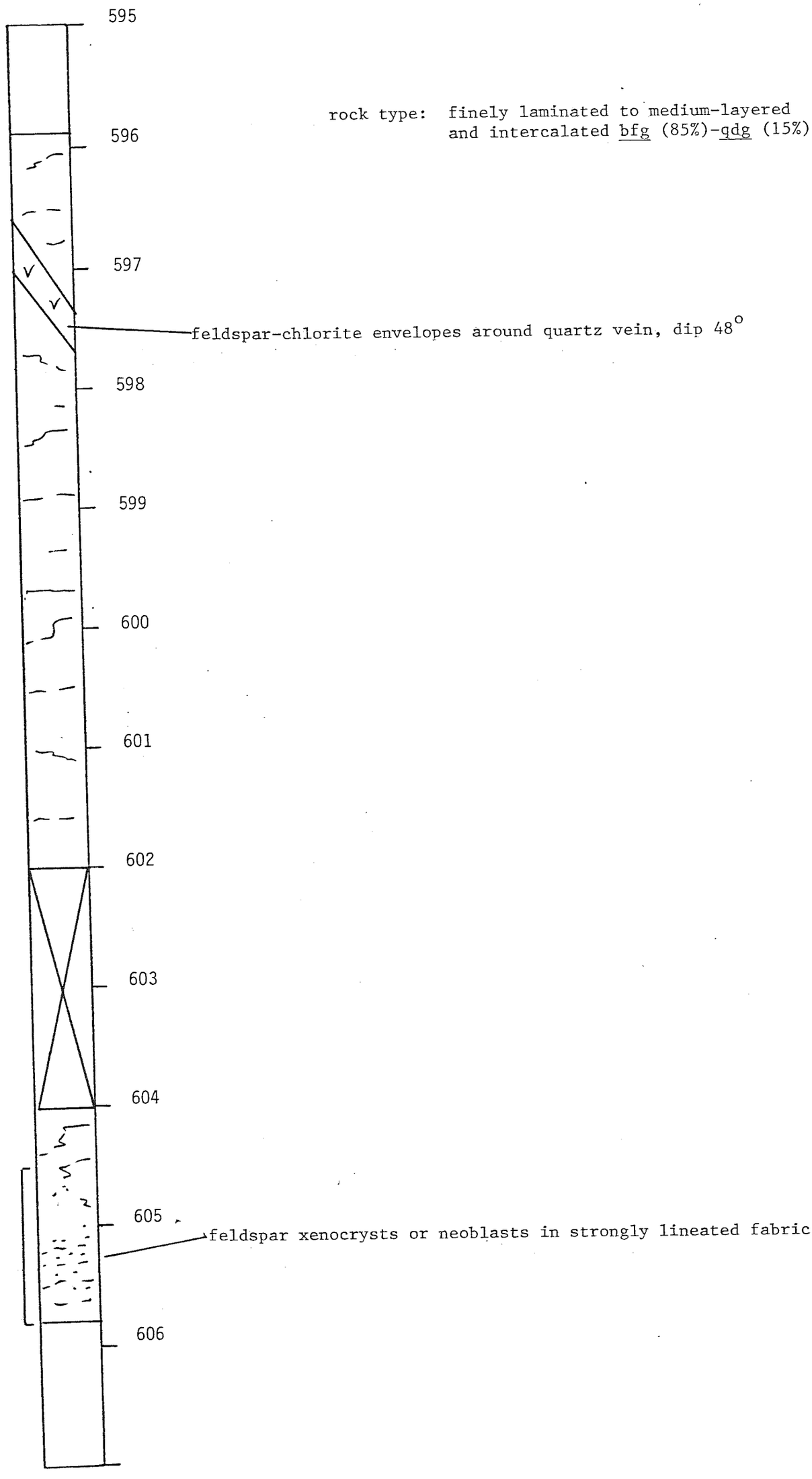


rock type: bfg (85%)-qdg (15%)

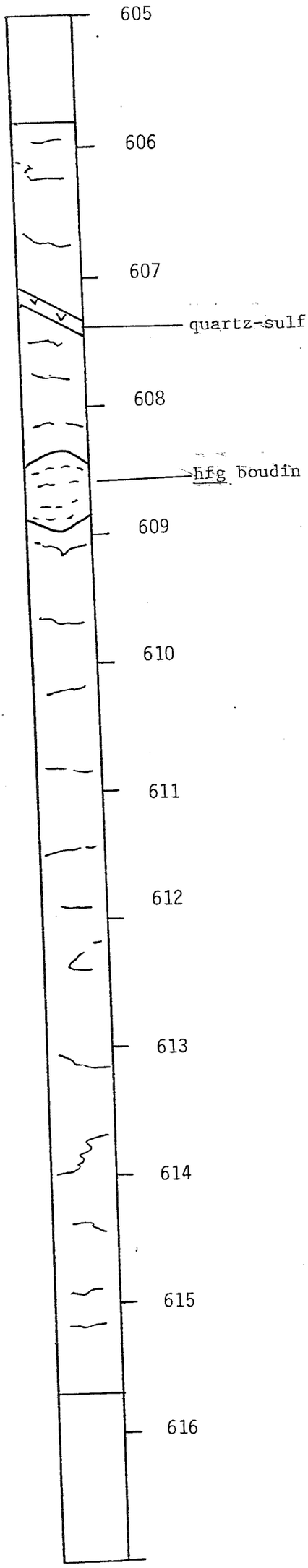
pervasive isoclinal to ptygmatic folding with subhorizontal fold axes and axial planes

blue plag-gray quartz gneissoid pegmatite

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 61 INTERVAL: 595.9 TO 605.8



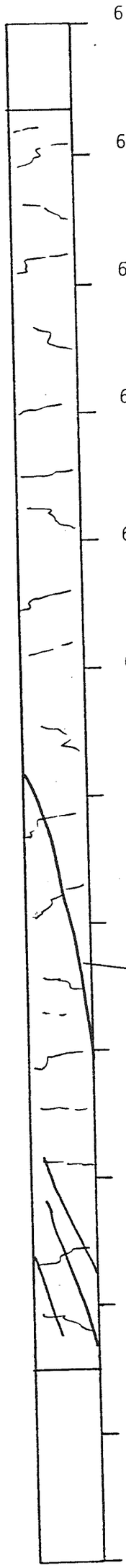
CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 62 INTERVAL: 605.8 TO 615.7



rock type: thin-medium-layered and intercalated hfg (85%)-qdg (15%)

ptygmatic folding with subhorizontal fold axes and axial planes

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 63 INTERVAL: 615.7 TO 625.5



rock type: above 621', diopsidic bfg (85%)
-qdg (15%)

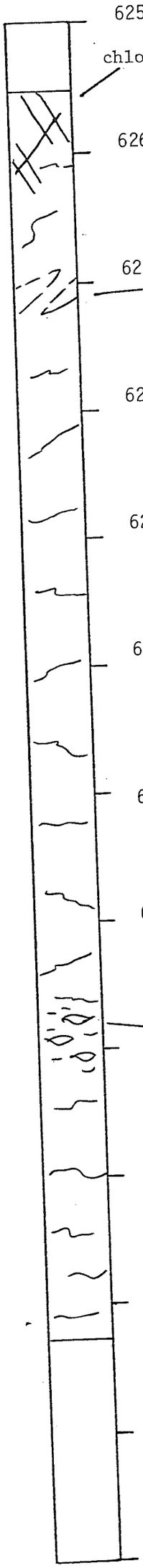
layering contorted by subhorizontal ptygmatic folding

totally chloritized fracture zone with no obvious mylonitization

carbonate (?) vein, dips 80°

chloritized cracks, dip 50°

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 64 INTERVAL: 625.5 TO 635.3



chlorite-altered veinlets

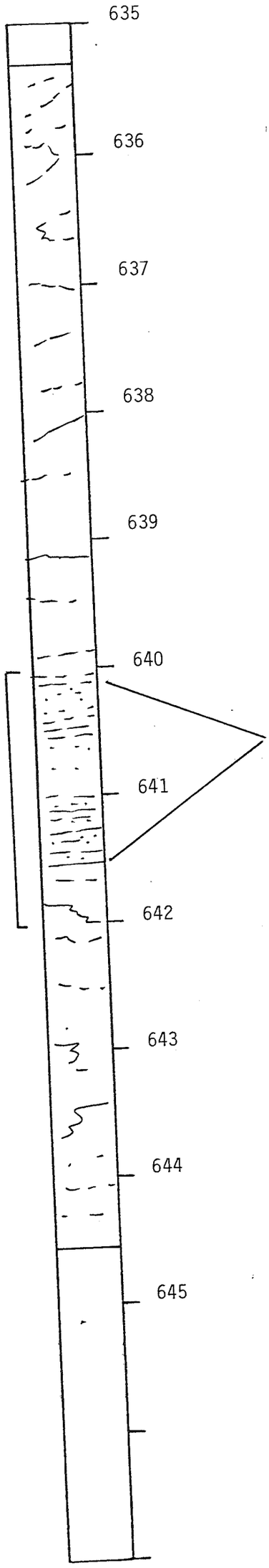
rock type: medium-coarse-grained bfg with some coarse-grained schistose biotite layers

foliation and layering are warped but not steep

subhorizontoal isoclinal folds, axial planes dip 30°

disseminated augen of coarse (vein) quartz

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 65 INTERVAL: 635.3 TO 644.6



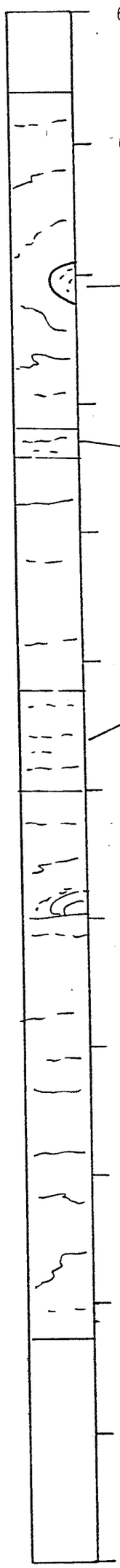
rock type: above 640', medium-grained bfg with coarse-grained schistose biotite layers, minor vein quartz trace diopside

640'-641.5': finely milled, microlaminated siliceous mylonite with strong quartz rodding and lineation in biotite

zone is subhorizontal

rock type: below 641.5', bfg (60%)-qdg (40%), thin-medium-layered, chaotic ptygmatic folding

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 66 INTERVAL: 644.6 TO 654.3



rock type: non-homogeneous distribution of bfg (70%) and qdg (30%), variably thin to thick layering

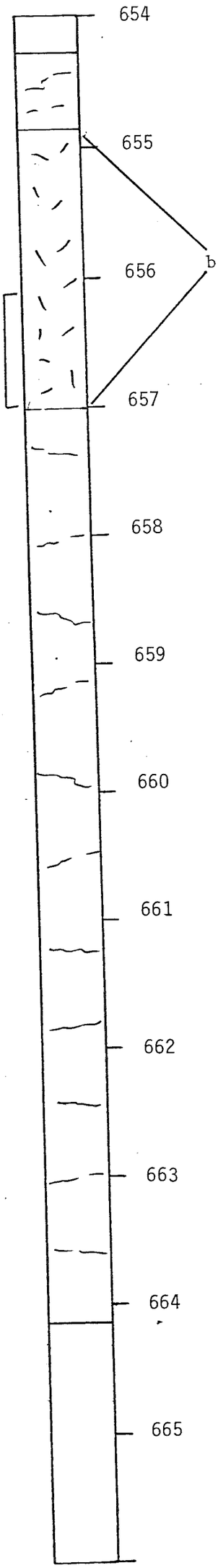
tight subhorizontal fold axes and axial planes in qdg with ductile axial planar slip (see 651')

646 gneissic boudin

647 non-lineated quartz-feldspar-biotite gneiss, not hfg

649 non-lineated quartz-feldspar-biotite gneiss, not hfg

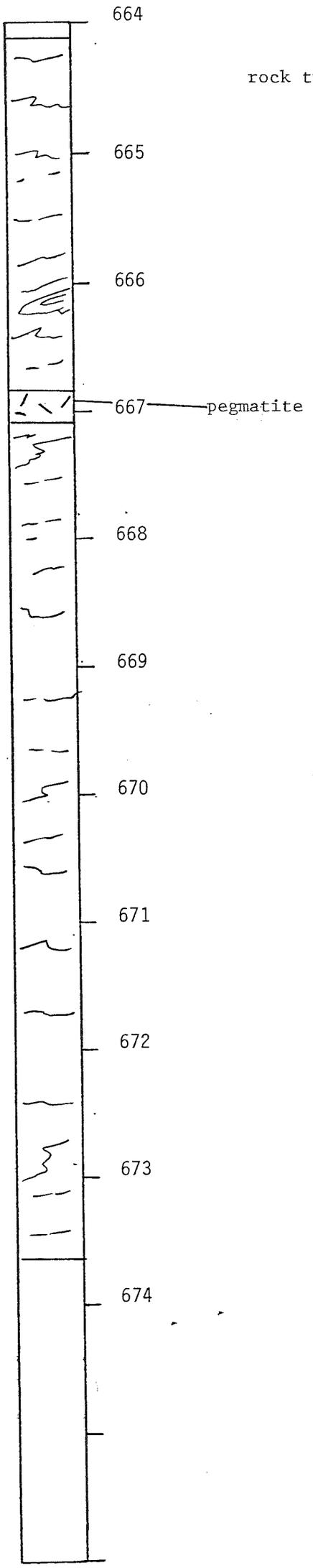
CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 67 INTERVAL: 654.3 TO 664.1



rock type: medium-grained, medium-thick layered
bfg (95%)-qdg (5%)
subhorizontal layering and foliation

blue plag-gray quartz-biotite pegmatite with accessory garnet (?)

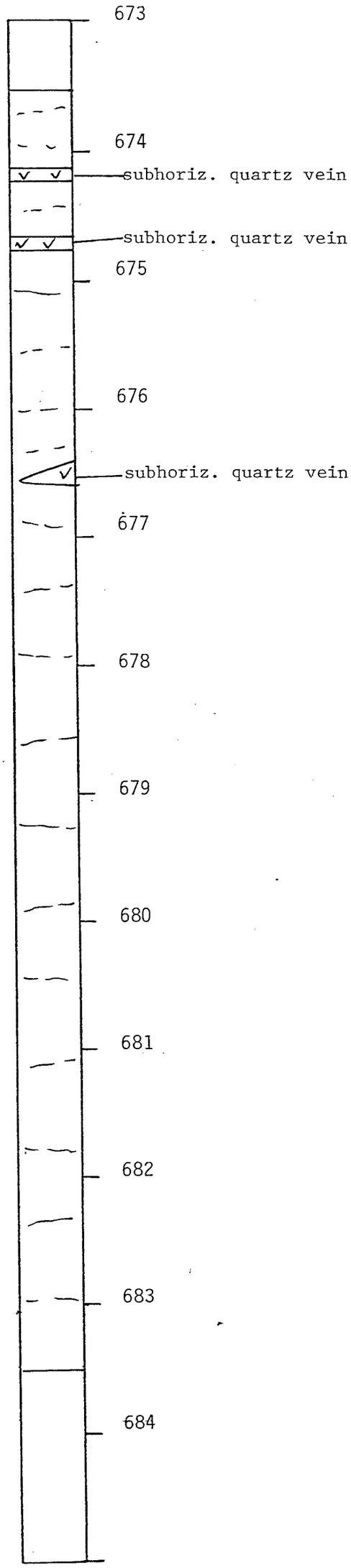
CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 68 INTERVAL: 664.1 TO 673.7



rock type: finely layered and intercalated bfg (60%)-qdg (40%)

chaotic, disharmonic fluxion folds are pervasive

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 69 INTERVAL: 673.5 TO 683.5

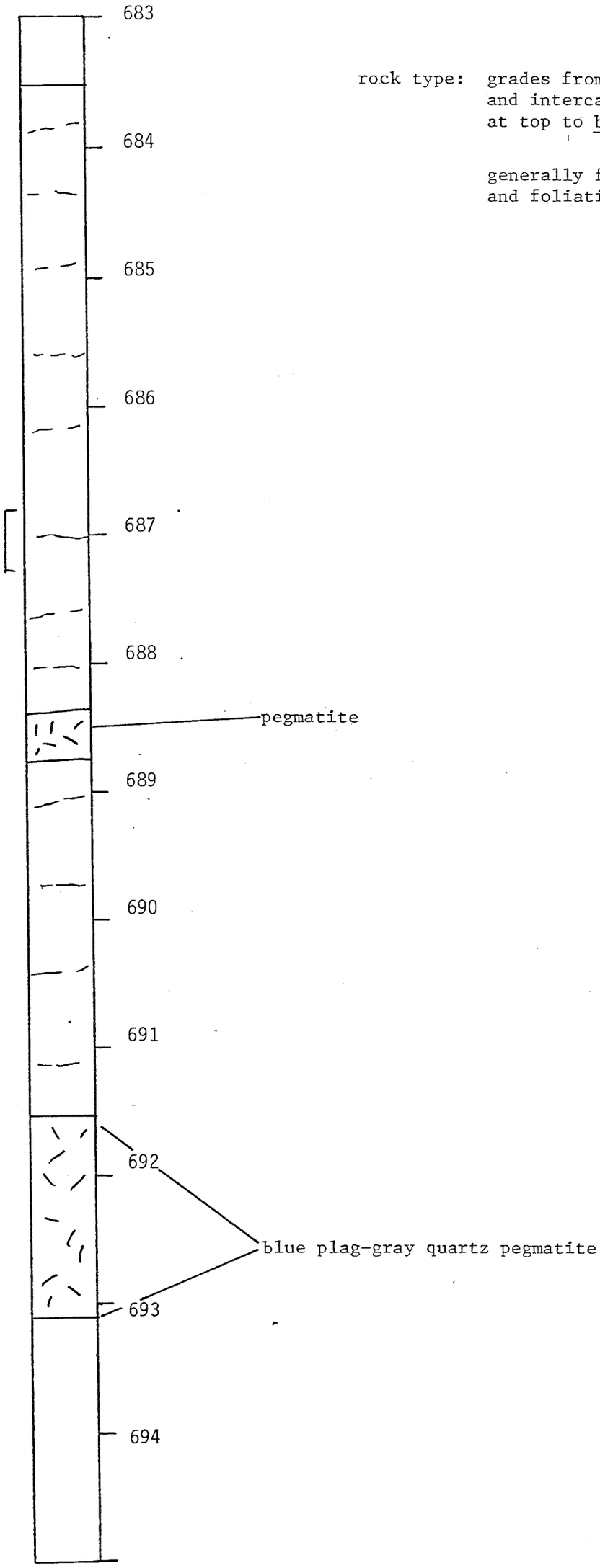


rock type: above 679', bfg (50%)-qdg (50%)

below 679', bfg (95%)-qdg (5%)

generally shallow dip, undistrurbed layering

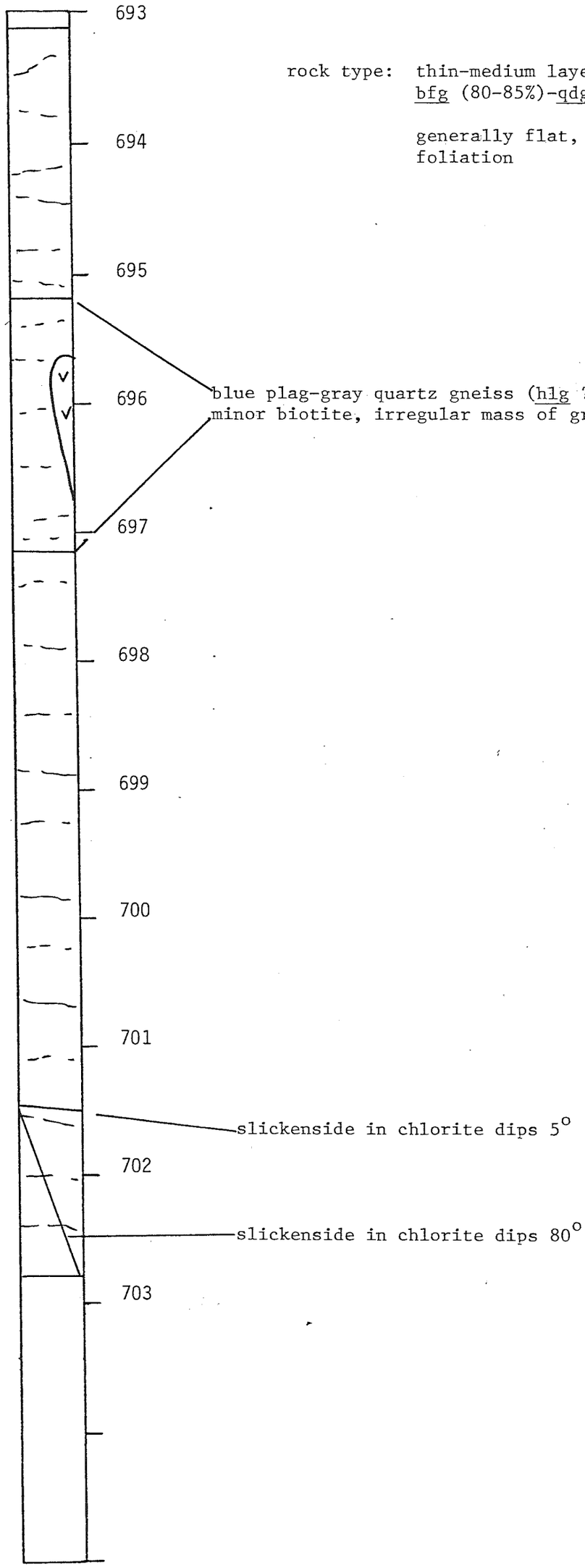
CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 70 INTERVAL: 683.5 TO 693.1



rock type: grades from thin-medium layered and intercalated bfg (50%)-qdg (50%) at top to bfg (85%)-qdg (15%) at 691'

generally flat, undisturbed layering and foliation

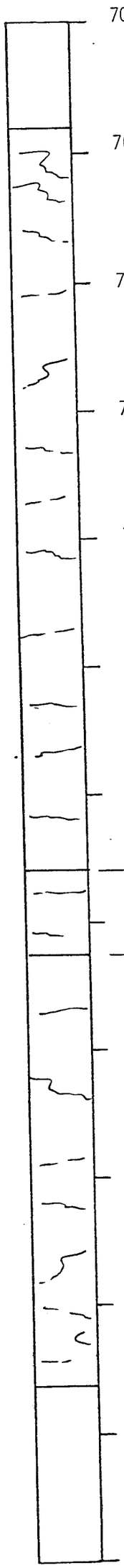
CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 71 INTERVAL: 693.1 TO 702.8



rock type: thin-medium layered and intercalated bfg (80-85%)-qdg (15-20%)

generally flat, undeformed layering and foliation

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 72 INTERVAL: 702.8 TO 712.7



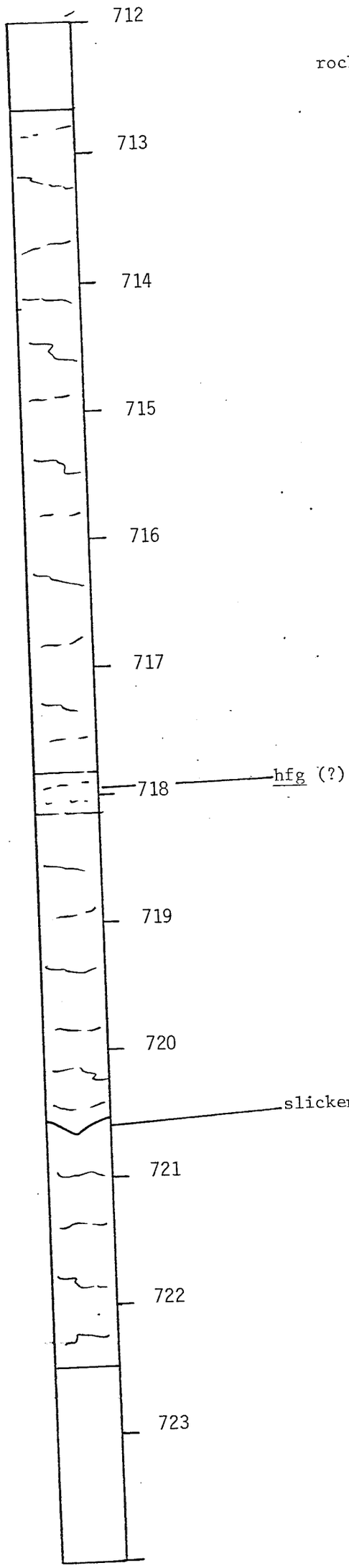
rock type: thin-medium layered and intercalated bfg (70%) and qdg (30%)

sporadic subhorizontal isoclinal and disharmonic ptygmatic folds with subhorizontal axial planes

lineation in plag, biotite

shear lineation in chlorite and bleached biotite (vermiculite)

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 73 INTERVAL: 712.7 TO 722.4



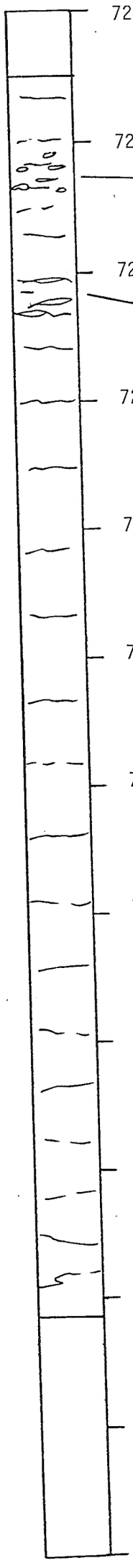
rock type: fine-medium layered andintercalated bfg (70%)-qdg (30%) .

generally shallow but variable dip with sporadic subhorizontal folds

hfg (?)

slickenside in chlorite, subhorizontal

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 74 INTERVAL: 722.4 TO 732.1

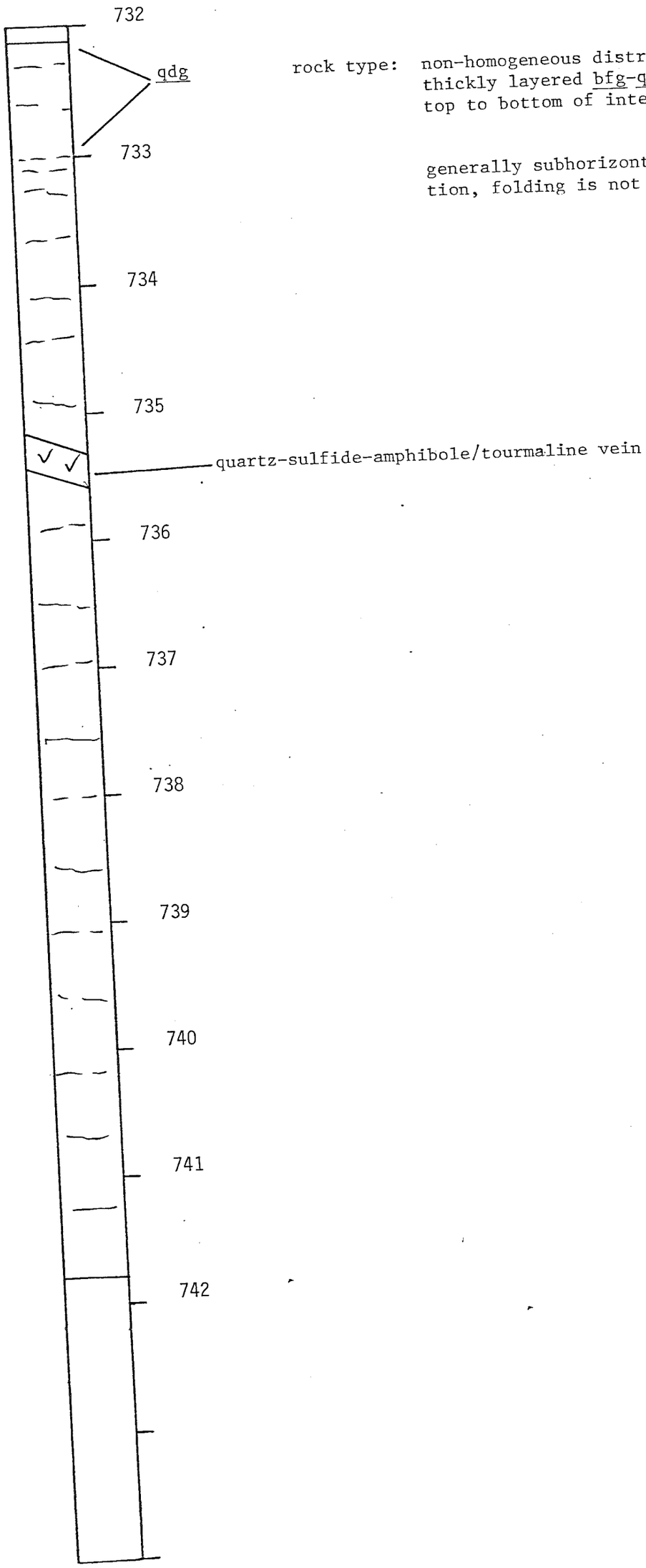


rock type: thin-medium layered and intercalated bfg (70%)-qdg (30%)

coarse-grained muscovite "porphyroblasts" after feldspar

very coarse-grained muscovite-biotite stringers

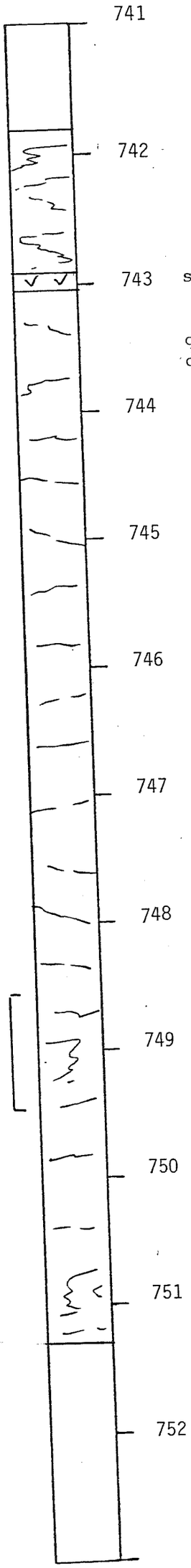
CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 75 INTERVAL: 732.1 TO 741.8



rock type: non-homogeneous distribution of medium-thickly layered bfg-qdg; bfg/qdg increases top to bottom of interval

generally subhorizontal layering and foliation, folding is not conspicuous

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 76 INTERVAL: 741.8 TO 751.3



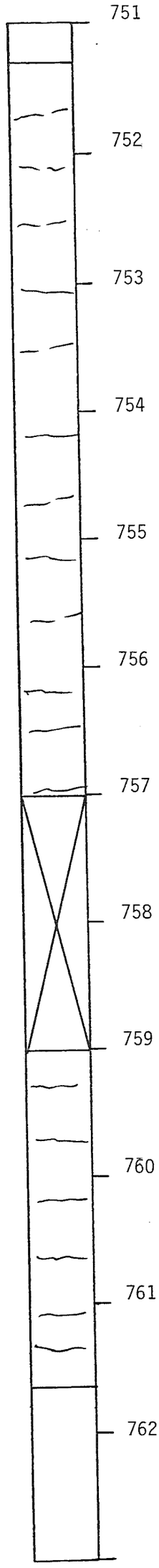
rock type: thin-medium-layered and intercalated bfg (75%)-qdg (25%)

tight isoclinal folds in thinly layered qdg with horizontal axes and axial planes

subhoriz. quartz vein

quartz-plag gneiss with massive pegmatitic interior, trace garnet, chlorite or amphibole

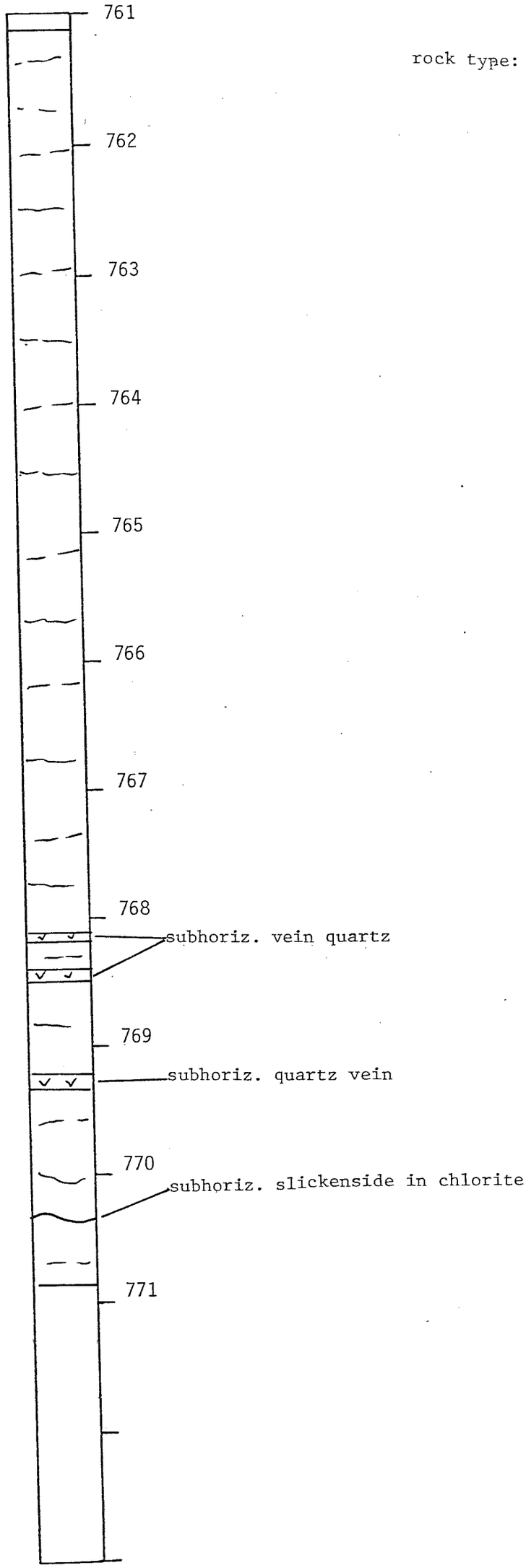
CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 77 INTERVAL: 751.3 TO 761.7



rock type: medium-layered and intercalated bfg and qdg

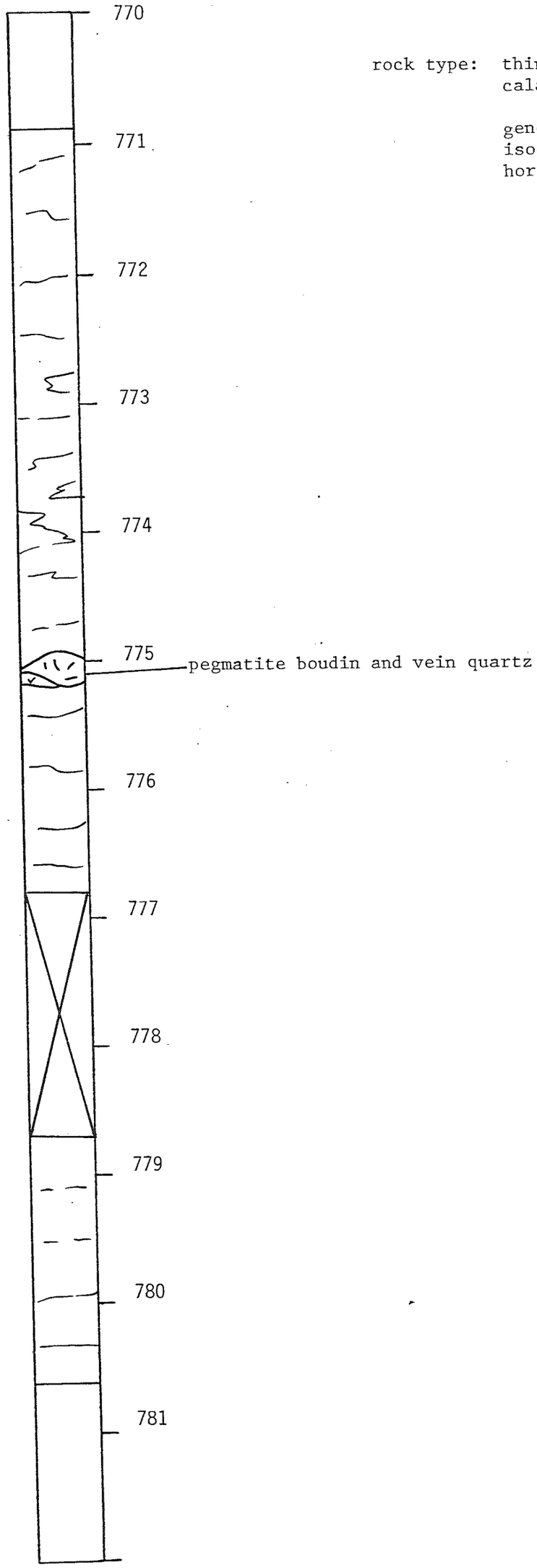
bfg:qdg varies from 80:20% at top to 60:40% at bottom of interval

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 78 INTERVAL: 761.1 TO 770.9



rock type: medium-layered bfg with trace diopside in minor qdg layers

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 79 INTERVAL: 770.9 TO 780.6



rock type: thin-medium layered and intercalated bfg (60%)-qdg (40%)

generally flat layering, but with isoclinal folds in qdg with subhorizontal axes and axial planes

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 80 INTERVAL: 780.6 TO 790.3

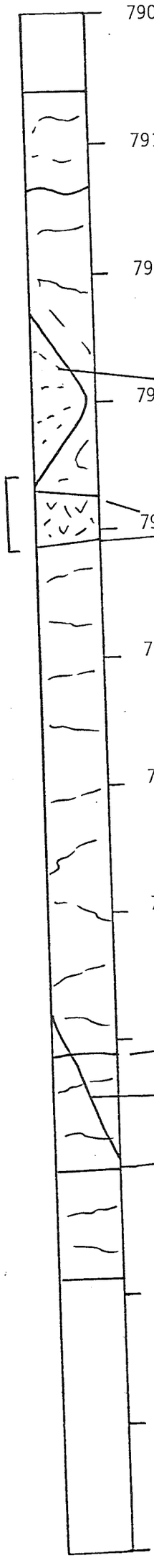
rock type: thin-medium layered and intercalated bfg (60%)-qdg (40%) above pegmatite at 783'; below 783', all bfg

undisturbed, subhorizontal layering and foliation

zoned pegmatite: plag-garnet (?) borders with trace tourmaline in quartz core

slickenside in chlorite, dips 10°

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 81 INTERVAL: 790.6 TO 799.9



rock type: all bfg

slickenside in chlorite, bleached biotite

boudin of quartzofeldspathic gneiss; layering and foliation wrap around

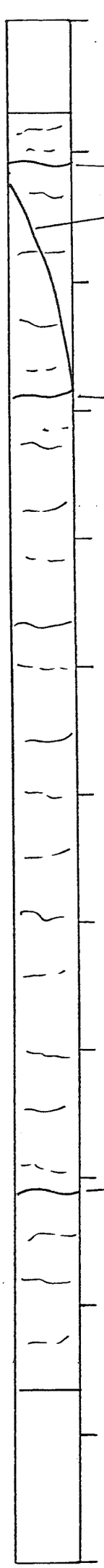
quartz-feldspar pegmatite with myrmekite

subhoriz. slickenside in chlorite

chlorite-altered crack with bleached borders, dip 80°

subhoriz. slickenside in bleached biotite

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 82 INTERVAL: 799.7 TO 809.7



rock type: top to 802', bfg:qdg = 50:50%

802'-805', bfg

805'-bottom, bfg:qdg = 50:50%

subhoriz. slickenside in chlorite

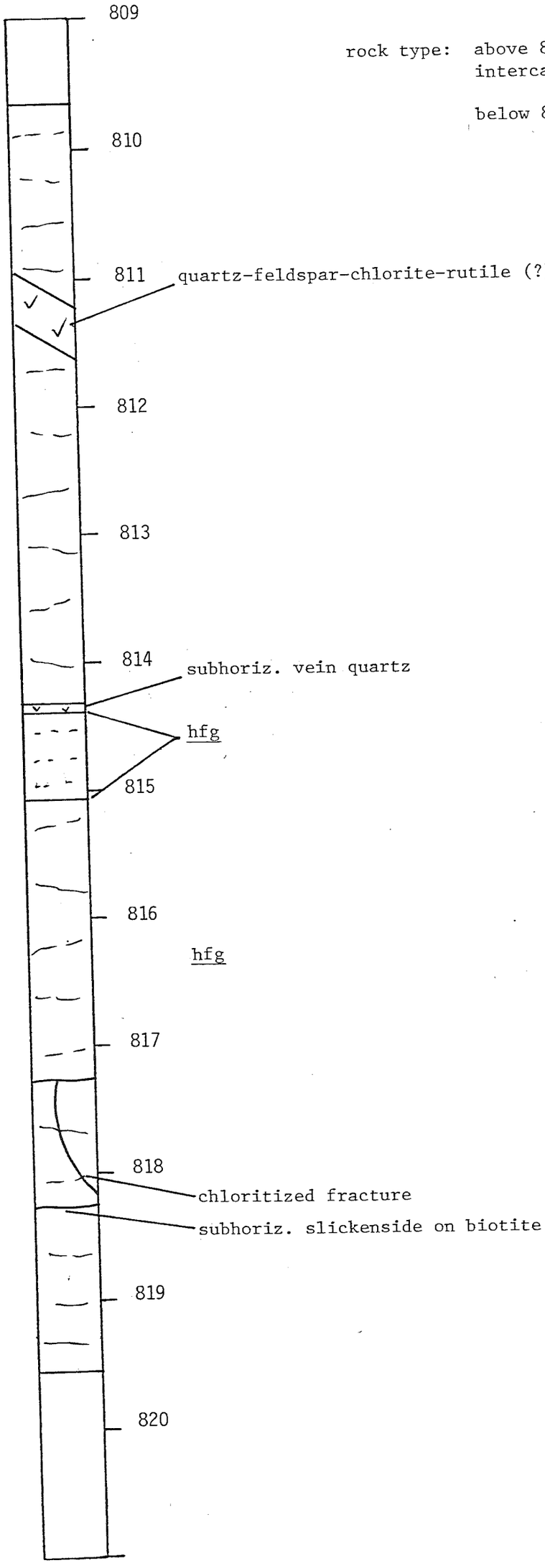
unaltered crack dips 75°

subhorizontal layering and foliation

subhoriz. slickenside in chlorite

subhoriz. slickenside in chlorite

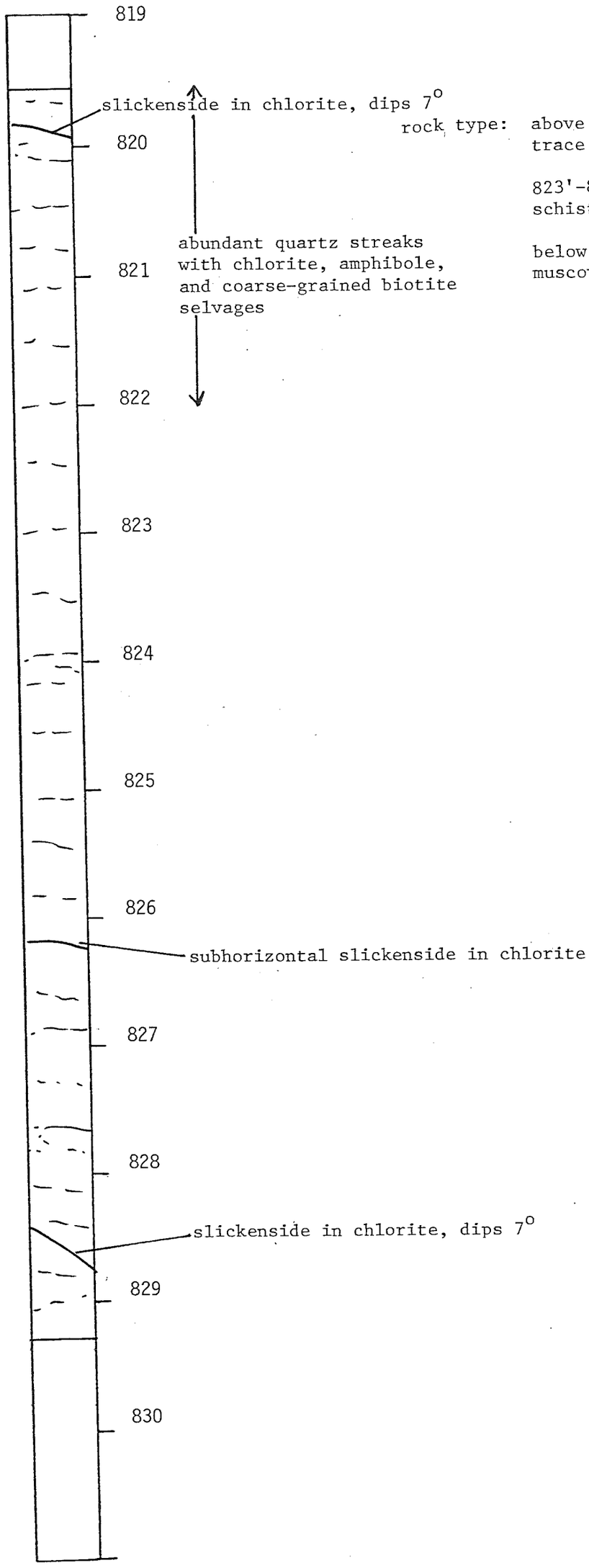
CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 83 INTERVAL: 809.7 TO 819.5



rock type: above 813', bfg with less than 15% intercalated layers of qdg

below 813', all bfg

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 84 INTERVAL: 819.5 TO 829.3

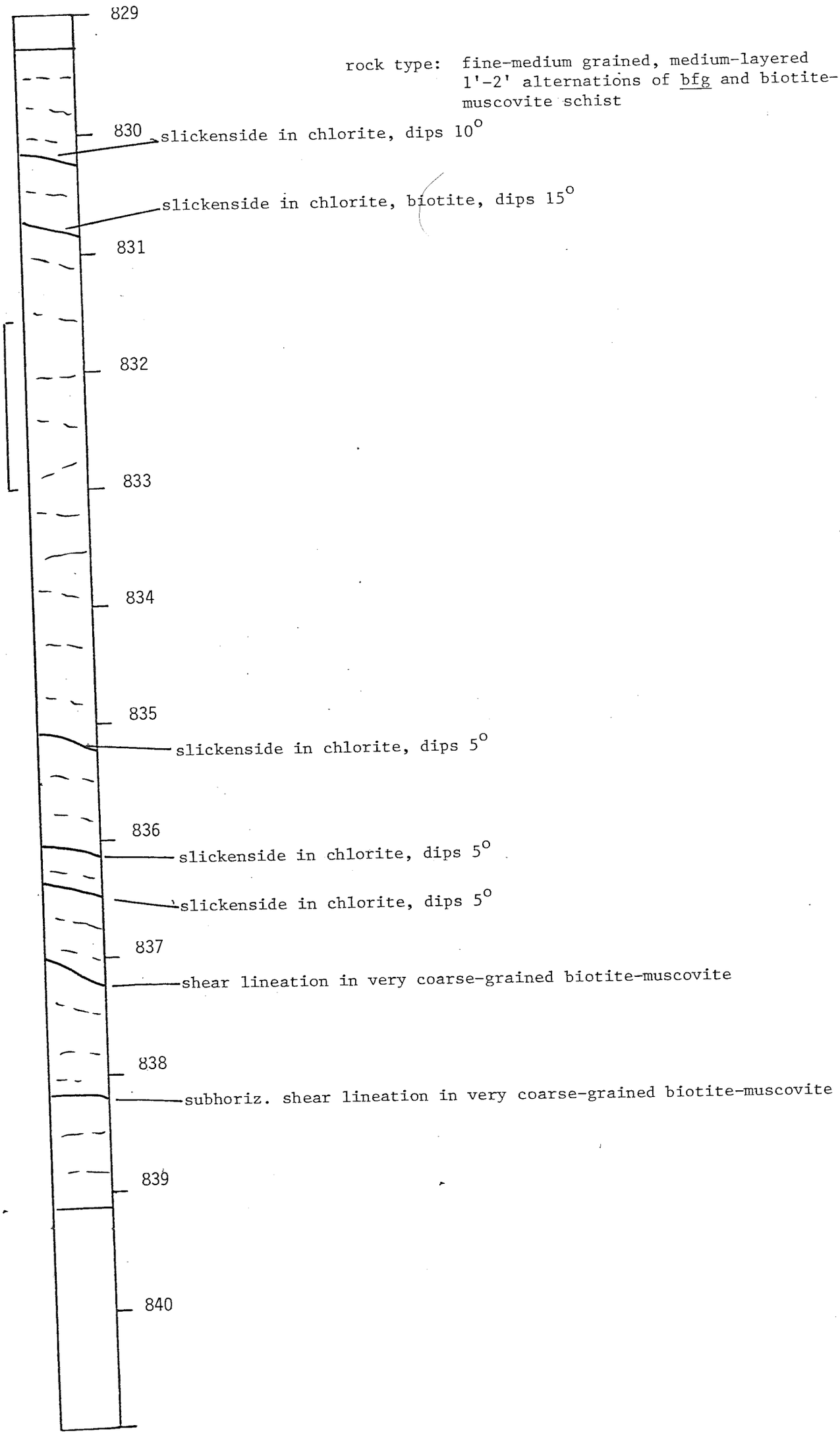


rock type: above 823', mostly bfg with trace qdg

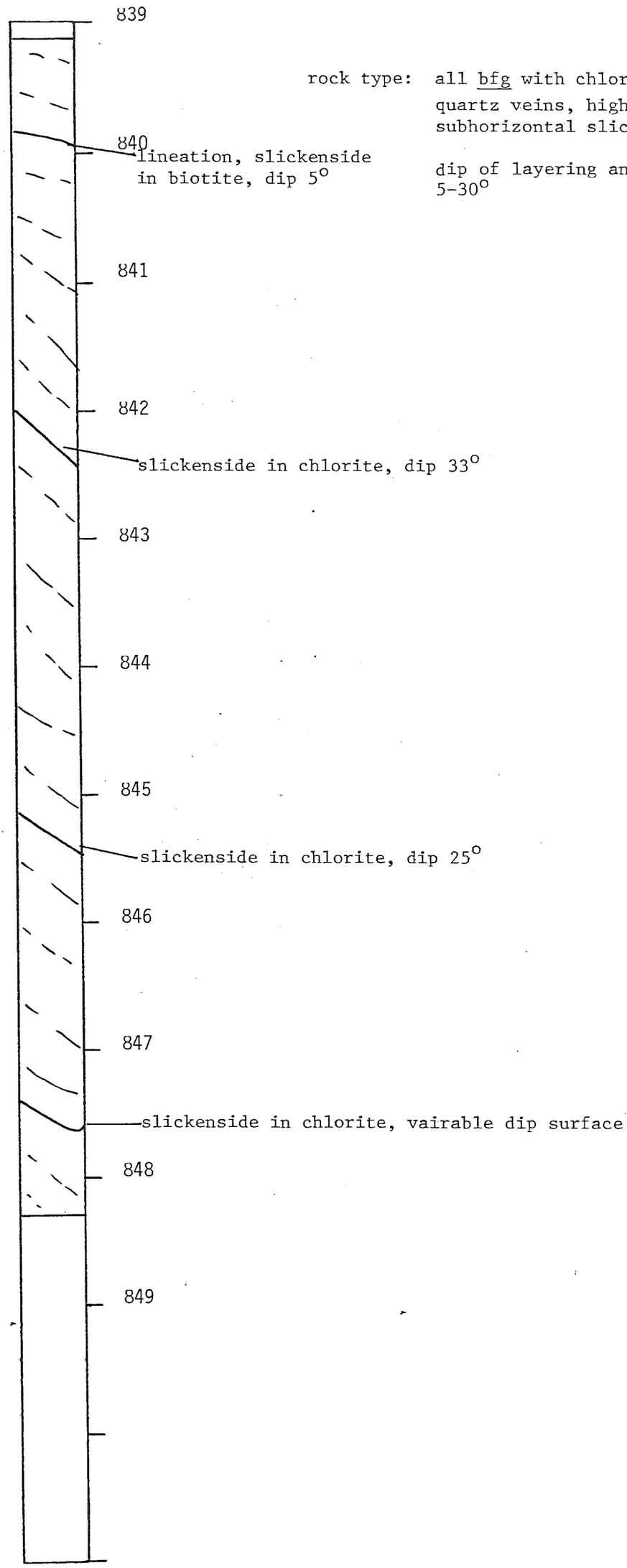
823'-827', coarse-grained biotite schist

below 827', coarse-grained biotite-muscovite-sulfide schist

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 85 INTERVAL: 829.3 TO 839.1



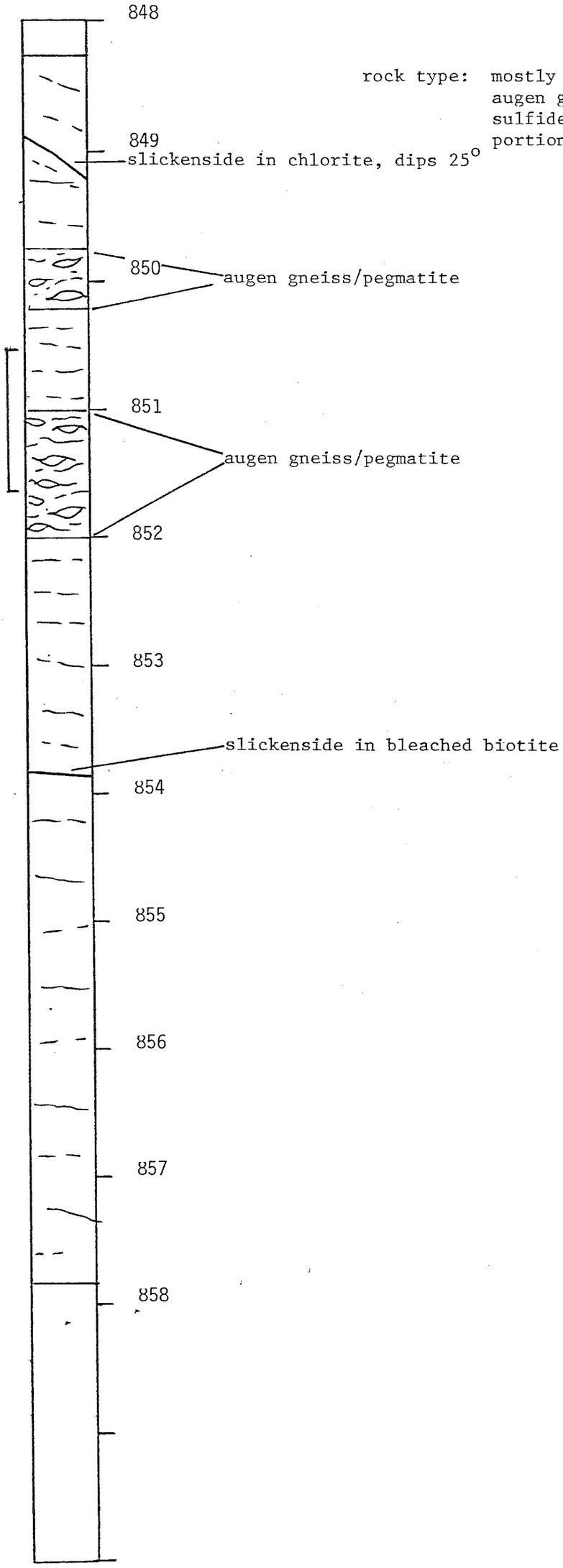
CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 86 INTERVAL: 839.1 TO 848.3



rock type: all bfg with chlorite alteration along quartz veins, high-angle cracks, and subhorizontal slickensides

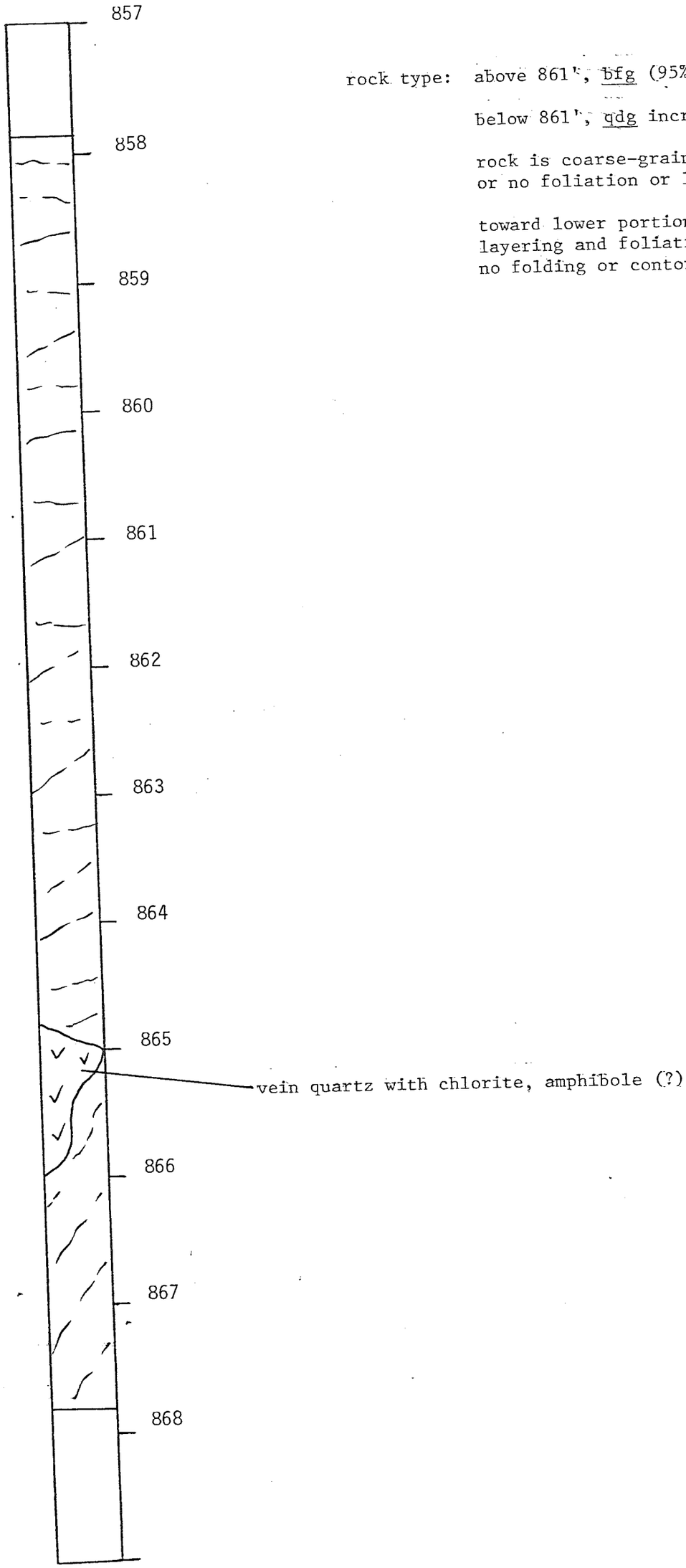
dip of layering and foliation vary from 5-30°

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 87 INTERVAL: 848.3 TO 857.9



rock type: mostly bfg with very coarse-grained augen gneiss (contains muscovite, sulfide), minor qdg toward lower portion of interval

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 88 INTERVAL: 857.9 TO 867.8



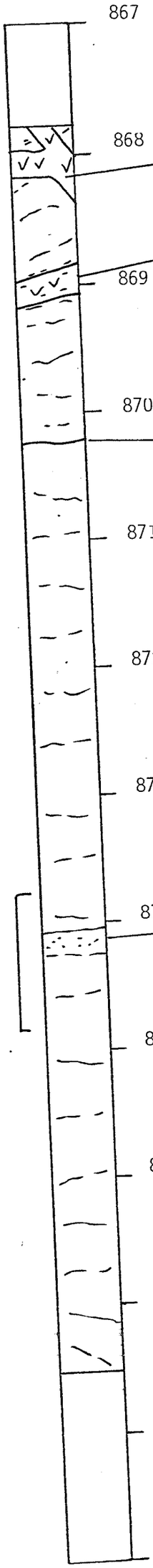
rock type: above 861', bfg (95%)-qdg (5%)

below 861', qdg increases to 40%

rock is coarse-grained with little or no foliation or lineation

toward lower portion of interval, layering and foliation dip at 55°, no folding or contortion

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 89 INTERVAL: 867.8 TO 877.5



rock type: finely laminate to thinly layered and intercalated bfg (55%)-qdg (45%)

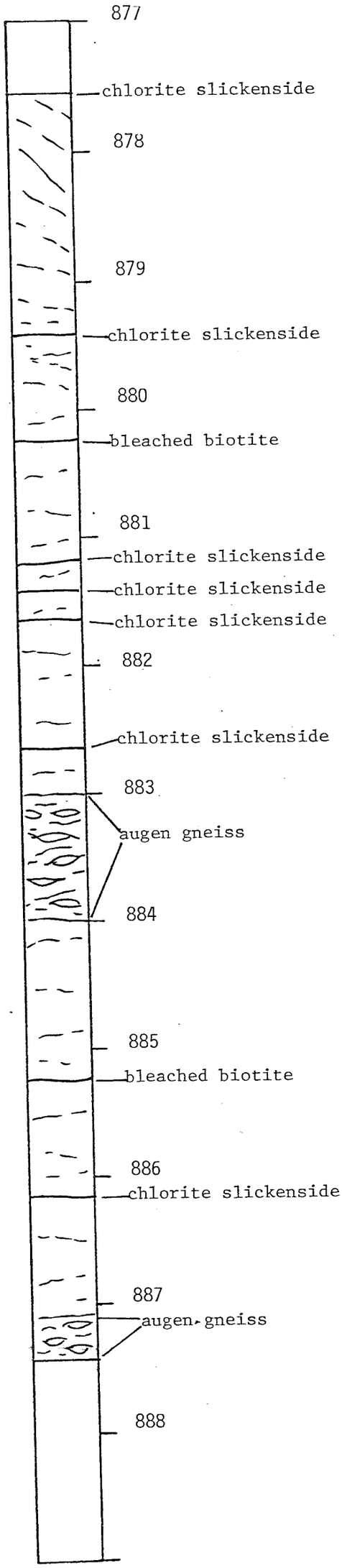
vein quartz with milled xenocrysts (?) of feldspar, chlorite, and sulfide

slickenside in chlorite dips 8°
mylonitized quartz-feldspar layer parallel to slickenside

subhorizontal slickenside, slick (chlorite) intersects lineation (biotite) at 60°-30°

massive biotite layer

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 90 INTERVAL: 877.5 TO 887.4



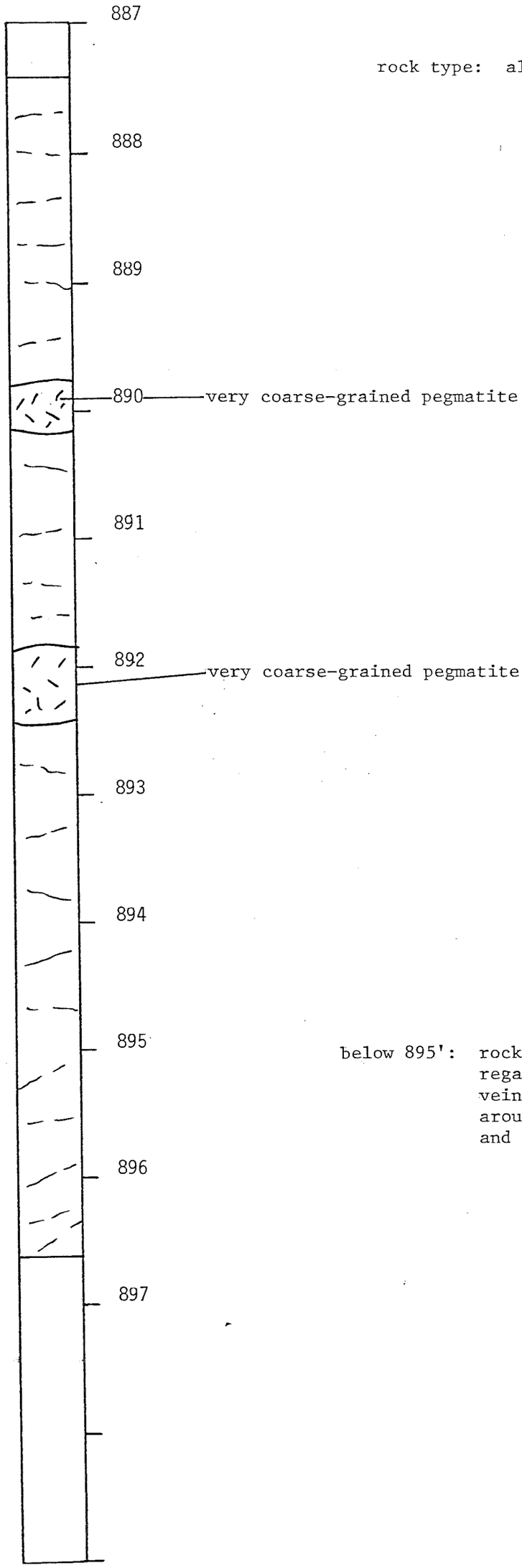
rock type: above 880', qdg (60%)-bfg (40%)

below 880', mostly bfg with augen gneiss, no qdg

layering and foliation dip steeply above 879', subhorizontal below 879'

all skickensides are on subhorizontal surfaces

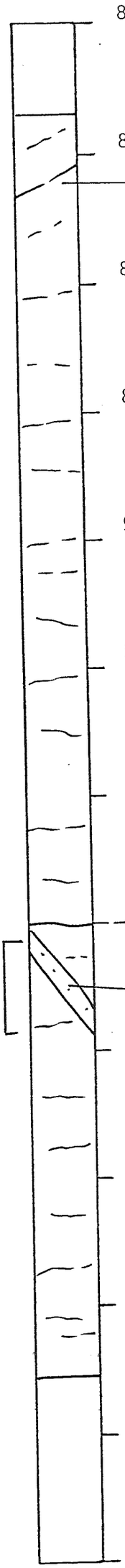
CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 91 INTERVAL: 887.4 TO 896.7



rock type: all bfg

below 895': rock coarsens especially with regard to biotite, sulfidic quartz veins are abudnant, quartz veins wrap around very-coarse-grained augen gneiss and pegmatite

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 92 INTERVAL: 896.7 TO 906.5



rock type: bfg (80-90%), qdg (10-20%)

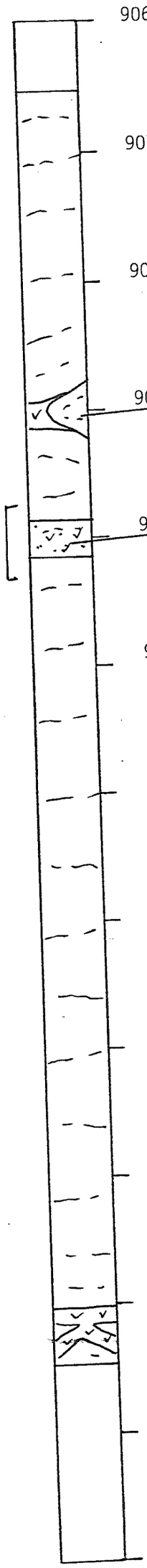
variable but shallow dip of layering and foliation

very coarse-grained biotite parting, dips 15°

very coarse-grained biotite parting, subhoriz.

chlorittized quartz-feldspar breccia, dips 55°

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 93 INTERVAL: 906.5 TO 916.4



rock type: above 910', thin-medium layered and intercalated bfg (50-60%) and qdg (40-50%)

below 910', bfg:qdg = 40:60%

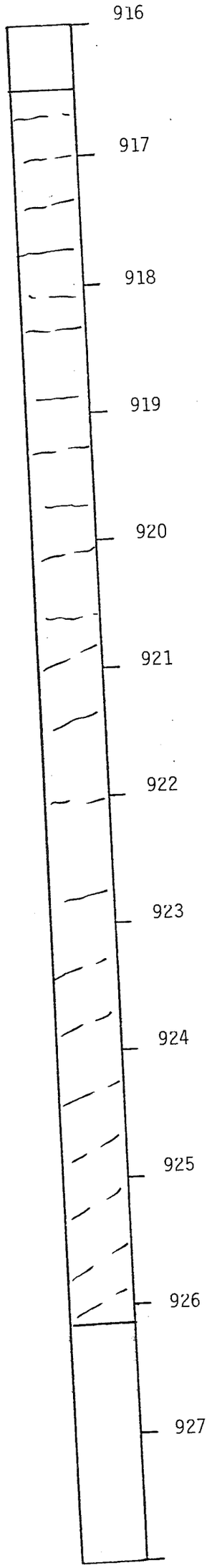
generally flat layering and foliation

909 boudin with vein quartz in neck

910 quartz-feldspar-chlorite-sulfide (breccia ?)

916 quartz veins, dip 0° and 43°

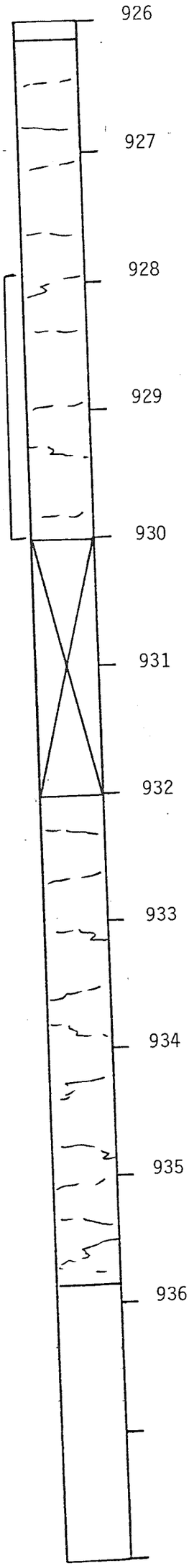
CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 94 INTERVAL: 916.4 TO 926.1



rock type: medium-grained bfg (80%) with thin intercalations of qdg (20%), minor quartz-chlorite-white feldspar veins

layering and foliation vary from sub-horiz. at top to 40° at bottom

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 95 INTERVAL: 926.1 TO 935.9

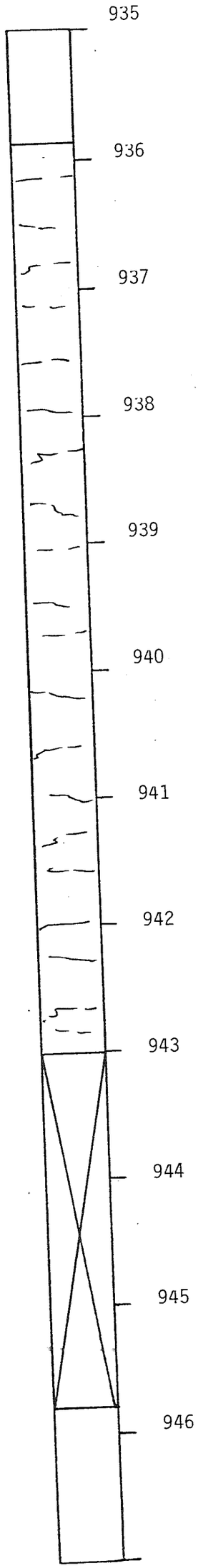


rock type: thin layered and intercalated bfg and qdg; bfg:qdg varies from 90:10% top to 75:25% bottom

interval contains abundant subhoriz. quartz veins with chlorite, feldspar, and a phase that resembles garnet but may be titanite or zircon (also abundant in qdg layers)

layering and foliation are generally flat-laying, but asymmetrical folds with subhoriz. axes and axial planes appear in qdg

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 96 INTERVAL: 935.9 TO 945.8

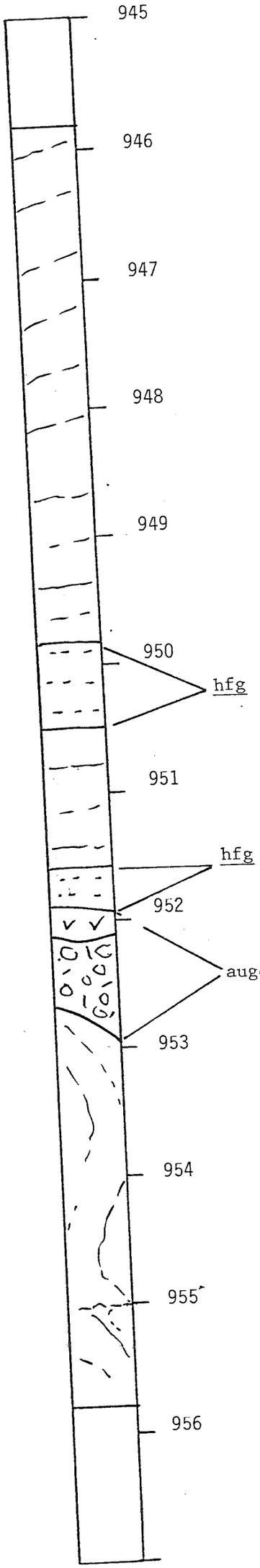


rock type: thin-medium-layered and intercalated bfg (70%) and qdg (30%)

subhoriz. vein quartz with clots of chlorite, titanite (?) are abundant

layering and foliation are generally subhorizontal, but small isoclinal folds with subhoriz. axes and axial planes are defined within qdg layers

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 97 INTERVAL: 945.8 TO 955.8



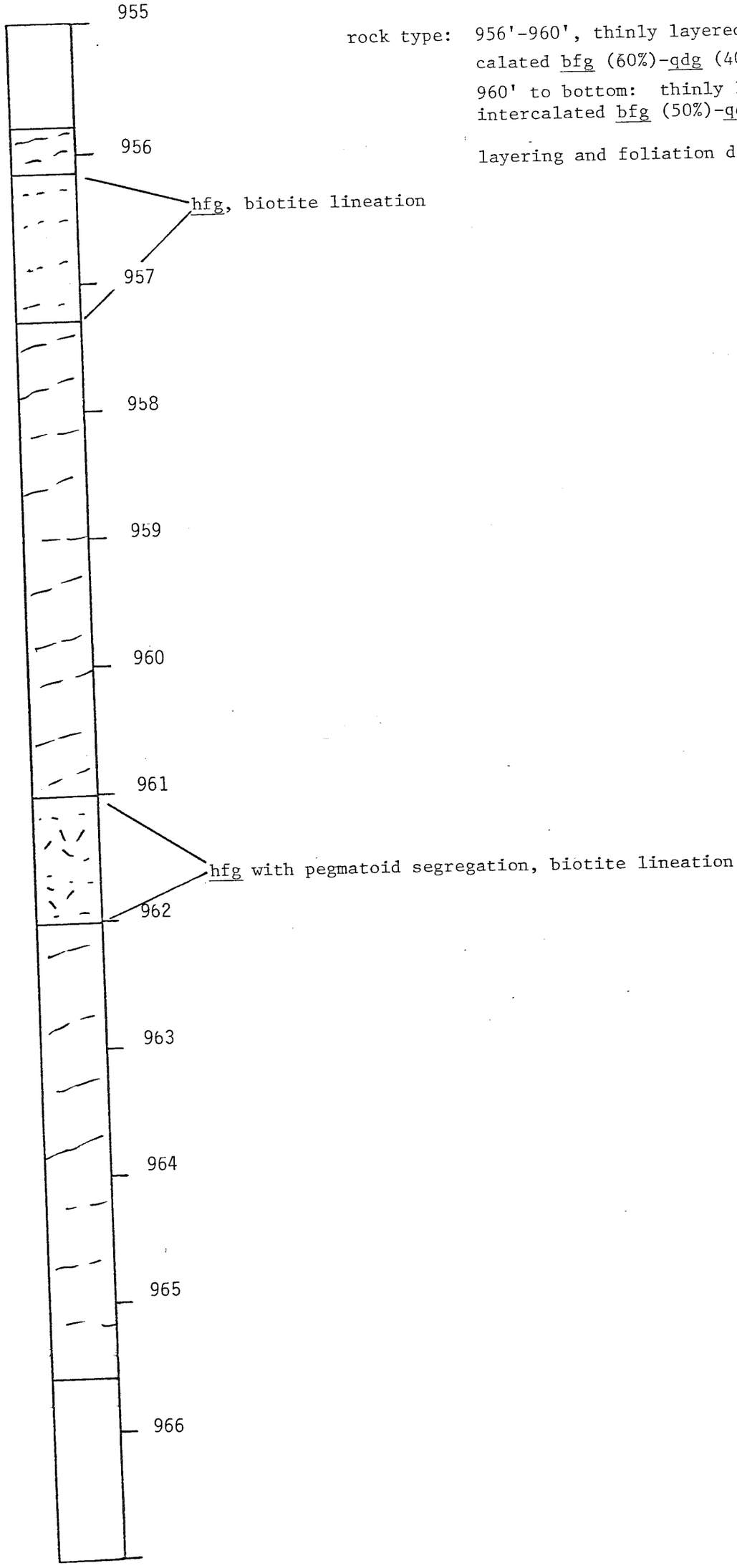
rock type: above 952', thinly layered and intercalated bfg (40-50%) and qdg (50-60%)

below 953', all qdg

above 952', layering and foliation are subhoriz. and undeformed
below 953', qdg is folded along open folds with subhoriz. axes and axial planes

augenoid pegmatite with blue plag and gray quartz

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 98 INTERVAL: 955.8 TO 965.6



rock type: 956'-960', thinly layered and intercalated bfg (60%)-qdg (40%)

960' to bottom: thinly layered and intercalated bfg (50%)-qdg (50%)

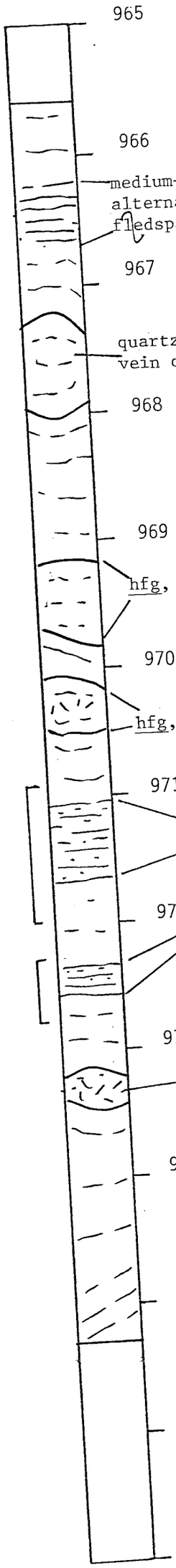
layering and foliation dip 10°-20°

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 99 INTERVAL: 965.6 TO 975.3

rock type: mostly thin-medium layered bfg with minor qdg layers throughout some sulfide present

other rock types as noted

layering and foliation are subhoriz., steepen sharply in bottom 0.5' of interval



medium-coarse-grained alternation of biotite-fledspar layers

quartzofeldspathic boudin with biotite, layering wraps around boudin, vein quartz fills shadow

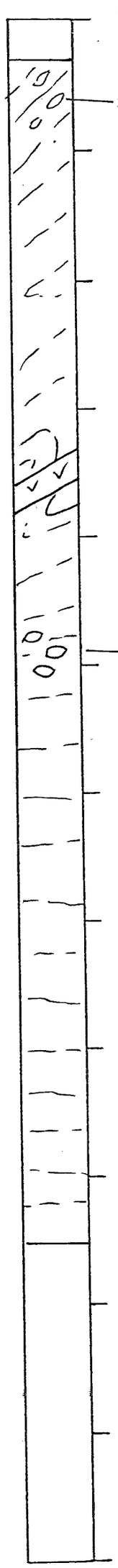
hfg, biotite lineation

hfg, biotite lineation, pegmatoid segregation

very-fine-grained siliceous mylonite with trains of milled feldspar xenocrysts; some quartz has recovered to coarse-grained vein quartz; layering in mylonite cuts layering and foliation in bfg-qdg at 5°

quartzofedlspathic gneiss/pegmatite boudin

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 100 INTERVAL: 975.3 TO 984.5



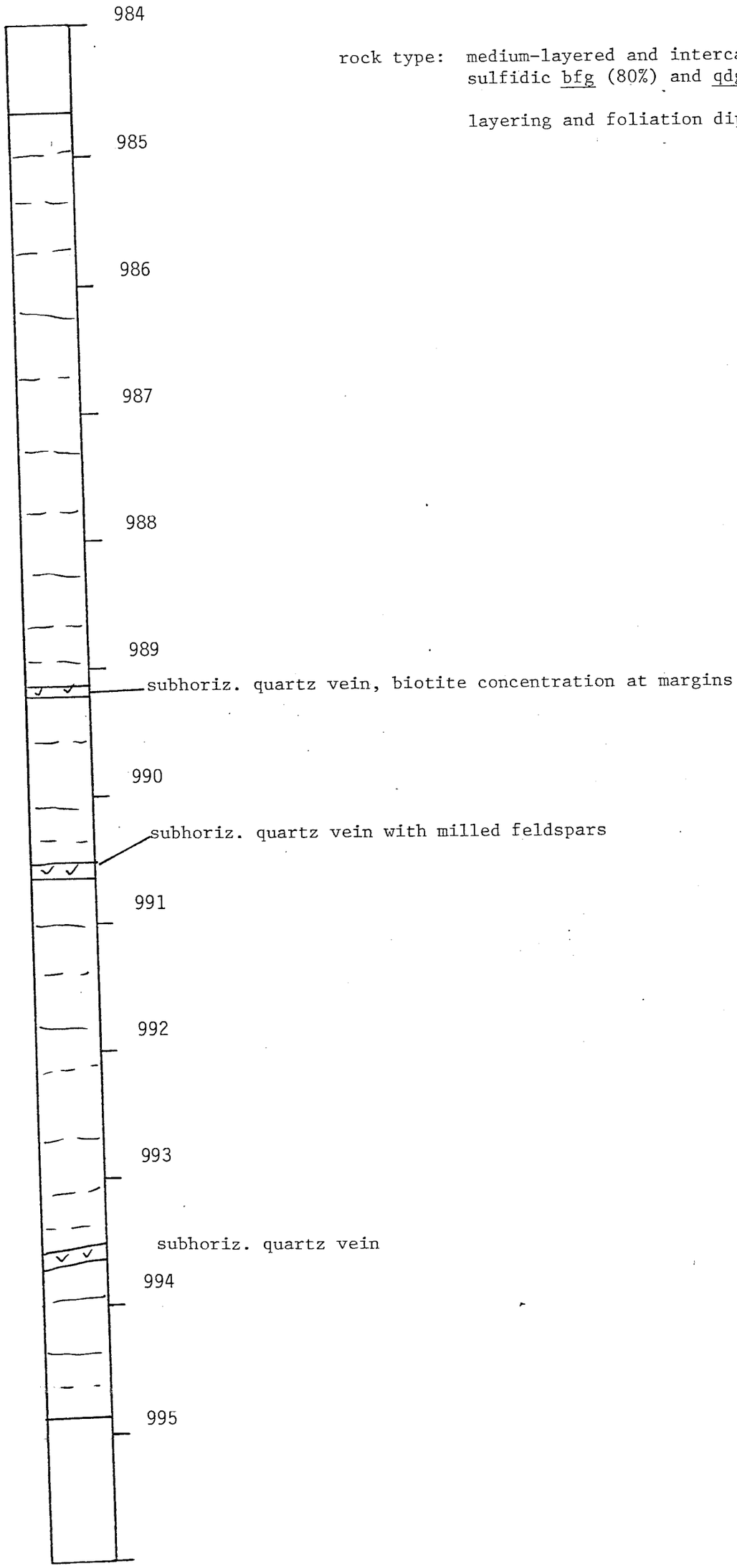
rock type: thin-medium-layered and intercalated bfg (90%) and qdg (10%), non-sulfidic

foliation and layering dip at 45° in top foot of interval, shallow to subhorizontal abruptly below 976.5'

quartz-feldspar-chlorite vein cuts axial plane of fold with dip 15°

980 — feldspar porphyroblasts

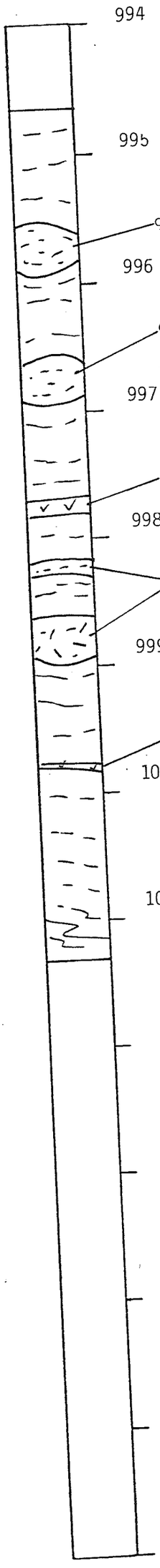
CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 101 INTERVAL: 994.7 TO 984.9



rock type: medium-layered and intercalated sulfidic bfg (80%) and qdg (20%)

layering and foliation dip 0°-5°

CORE LOG: MOODUS (HOLE #2) SCALE: 1:12 BOX # 102 INTERVAL: 994./ TO 1000.3



rock type: all bfg with 2 layers (3-5 cm) of qdg

layering and foliation subhoriz.

strong lineation in biotite parallel to fold axis with axial planar dip 10°