

QUICK LOG for DDH 76X-22  
feet

0-17 No core - Triconed  
in overburden

17-48 5B0 (10A)

Medium gray, calcareous,  
laminated phyllite. Qtz-calcite  
siltstone laminae up to 1cm thick.  
Weather tan to pale tan brown.

Characterized by 10-15% bull  
qtz veins up to 30cm long. Qtz  
veins contain tan-weathering  
coarsely alline calcite. Good  
SZ crenulation cleage

48-256 5B0

Similar to last unit only very  
minor bull qtz veins up to 10cm  
long. Numerous pale tan weathering  
calcareous qtz-calcite siltstone  
interbands. Phyllite shiny  
medium gray. Isolated pyrite  
cubes sparsely disseminated.  
Siltstones 1-5cm thick.

Well developed SZ crenulation cleage

017941

76 X-22

(2)

256 - 275 No core  
Sampled for pyrite in /  
pyrite out (5B)

275 - 289 5B0  
Medium pale silvery gray, C52  
foliated, calcareous phyllite.  
Laminated between calcareous  
qtz-calcite siltstone and musc-  
chlorite phyllite. Minor  
disseminated pyrite cubes

289 - 321 5B0 fault rock  
Medium gray, silvery, C52  
foliated, thinly banded, calcareous  
phyllite. Reasonably typical 5B  
SZ folia silvery gray  
Contains intervals of fault rock  
Elongate clasts of phyllite and qtz  
vein material in a fine-grained,  
medium to dark gray matrix.

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These gouged intervals are up to 1m in length. S2 foliation very disrupted and irregular, but still basically coherent. Clasts subangular but elongate in the irregular foliation. Looks texturally similar to 5A\* only not as intense.

326-375 5B0

Medium silvery gray, slightly to moderately calcareous, C52 foliated, thinly banded to laminated phyllite. Siltstone bands weather pale tan. Individual bands up to 3cm thick. Minor white, coarsely x-lined qtz-carbonate veins.

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(4)

375-380

5D6

Massive, olive green, fine grained, slightly calcareous to noncalcareous chloritic phyllite. Marginal contacts are sharp. Minor thin qtz ± calcite veins are S2 foliaform. P52 foliated.

380-402

5B26

Moderately soft, noncalcareous, dark grey, thinly banded phyllite. Minor irregular coarsely x-line qtz-carbonate veinlets.

Bottom 1 foot of interval S2 structurally disrupted and goes to gouge. C52 foliated w/ 1 cm siltstone interbands.

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(feet)

⑤

402-561 10E dyke

Pale cream, aphanitic, qtz-feldspar porphyry. Subangular phenocrysts of clear qtz and white feldspar. Phenocrysts up to 0.5cm across. Feldspar  $\approx$  qtz about 10-15% for feldspar + qtz.

Matrix weathers to chalky white tan w/ irregular reddish brown fractures.

Top 10cm fractured w/ minor infiltrations of black gouge material intruding into fractures.

Get sense dyke intruded during waning stages of fault movement.

Dyke is massive and unfoliated. Present reddish brown subangular weathered "spots" on core may have been former biotite (?).

Bottom contact sharp, irregular contact against black SA\* fault

76X-22

⑥

rock.

Photos taken 6, 5, 4

561 - 612.5

SA1 ± \* (fault  
rock)

Moderately hard to hard, dark gray to dull black, generally noncalcareous phyllite. Abundant irregular buff etc - carbonate irregular veins up to 30cm thick.

10 feet core missing from middle. Top 15cm is

fault rock w/ clasts in a fine grained matrix. Contains internal zones w/ abundant interlocked etc veinlets. Also zones of coherent fault rock. Fault rock zones up to 0.7m thick.

P52 foliated

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612.5 - 668

360 ± 9

Soft, noncalcareous, medium to medium dark grey, P52 foliated phyllite. S2 surfaces are shiny dark grey. Contains short intervals which are darker grey.

668 - 678.5

380

Moderately soft, P52 foliated, dark green, noncalcareous chloritic phyllite. Massive uniform appearance.

678.5 - 717

3F5 [1B]

Medium x-line, light grey to off-white, calcite marble. Locally contains boudinaged laminae/bands of dark green to brown calc-silicates ± biotite. P52 foliated. Calc-silicate bands from < 5% to

LEVEL (S) 70%.

717 - 756 3B0

Massive, moderately soft, medium green, pervasively foliated (Ps2), noncalcareous, chloritic phyllite.

756 - 854 3F5 [1B]

Same as above interval of marble. (678.5 - 717) Contains thin dark green and brown calc-silicate and/or biotite interbands. Calc-silicates locally up to 90% of unit. Color of marble light gray to off-white.

854 - 896 1CD7 (3D)

Mixture of schist and calc-silicate. Schist soft, noncalcareous, green with abundant chlorite. Too laminated for 3B. Contains a few scattered relict garnets (pale pink)

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DUKSBAR WATERPROOF

76X-22

Laminated on scale 1cm on  
so. SZ surfaces dark shiny

gray

Interbands of fine-grained,  
medium grain calc-silicate.

Locally contains brown biotite  
bands Moderately soft. Epidote

present. More massive in appearance  
than the schist. SZ surfaces silvery

Irregular foliiform ptz vein  
contains coarse pink andalusite  
on margins.

Both are PSZ foliated

896-914 No core

308 → 1C7 sampled for

Py In / Py out

76 X-22

(10)

914-1195 IC 78

Moderately hard, noncalcareous,  
PS2 foliated schist.

Musc. biotite-garnet-staurolite-  
chlorite, -qtz, locally can see  
interbedded qtz rich intervals up to  
5 cm thick.

Staurolite tan-brown. Unit  
overall appears retrograded with  
abundant chlorite presence.

Very rarely contains short  
interbeds of large elongate dark  
andalusite clots. Locally and  
equally rarely contains interbeds of  
epidote-green, fine-grained calc-  
silicate.

Andalusite 3m thick. Calc-silicate  
about 0.5m.

Large pink andalusite in  
rare bull qtz veins.

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(11)

1195-1230

3B0

Medium green, PSZ foliated,  
massive, chloritic phyllite.

Locally has incipient leopard  
rock texture.

Contains short intervals in  
lower part which may be strongly  
chlorite replacement altered K  
schist.

1230 feet = EOH