

NELLO L. TEER COMPANY

EXPLORATORY DRILL LOG

PROJECT WELDON Qy.
 LOCATION WELDON
 OWNER RICHTMEYER / PIERCE
 Date start _____ compl. _____
 Geologist or Suptd. _____
 Driller LONGYEAR-CARL Helper _____
INNO

Type drill _____
 Bit size _____ Casing size _____
 Groundwater Depth _____ ft.
 Static Water Level _____ ft.
 after 48 hrs. _____ ft.
 Water Loss _____ ft.

Hole No. BSPDH 3

Strata Thick. ft.	Depth From To	Description	Run No.	Core Rec'y	RQD %
		OVERBURDEN - SILT - THEN SAND; GRAVEL. VERY LARGE GRAVEL TO COBBLES AT 26'			
26'	26'	26'-35': RIVER COBBLES AND GRAVEL - SOME CORE RECOVERED			
30'		TOP OF ROCK AT 35'			
	Box 1	Box 1 26'-46' QUARTZ AND WEATHERED GRANITE.			
		26'-35': QUARTZ GRAVEL AND COBBLES		SEE PHOTOS	
		35'-40': WEATHERED / ALTERED GRANITE.			
40'		- PINK OR LIGHT GREEN - EXTREMELY BROKEN.		65	0?
	46'	LARGE QUARTZ FROM 37'-38'. ROCK IS HARD BUT BROKEN WITH MINERALIZED SURFACES.			
		MINERALOGY DIFFICULT 35% QUARTZ, 30% K SPAR, 20% PLAG., 15% BIOTITE (AMPHIBOLE). RED STAINS OF LIMONITE			
	Box 2	40'-46': SAME ROCK AS ABOVE BUT SLIGHTLY LESS ALTERED AND BROKEN. COULD BE CALLED TOP OF "FRESH ROCK" BUT ROCK IS ALTERED. ROCK IS VERY HARD. NO MINERALIZATION ON FRACTURE SURFACES.		SEE PHOTOS	100' 50'
	60'	FRACTURES TEND TO BE VERY HIGH-ANGLE TO VERTICAL.			
	Box 3	BOXES 2-3 46'-73.75' ALTERED GRANITE			
		SIMILAR TO ABOVE BUT LESS BROKEN AND LESS ALTERED. 40% QUARTZ, 40% FELDSPAR, 20% BIOTITE (ALTERED TO CHLORITE?). OCCASIONAL ROUGH APPEARANCE OF ROCK MAY INDICATE SOME ALTERATION OF FELDSPARS. FRACTURES VERY HIGH ANGLE. NO MINERALIZATION ON FRACTURES EXCEPT FOR SLIGHT CHLORITE.		SEE PHOTOS	100' 50'
	73.75'	60'-66': ROCK BECOMES DARK GRAY GREEN; MAY BE ALTERED AND SHEARED INTO A QUARTZITE. OVERALL VERY HARD, LESS ALTERED, LESS FRACTURED WITH DEPTH.			

NELLO L. TEER COMPANY

EXPLORATORY DRILL LOG

PROJECT WELDON Q.
 LOCATION WELDON
 OWNER RICHTMEYER / PIERRE
 Date start _____ compl. _____
 Geologist or Suptd. _____
 Driller _____ Helper _____

Type drill _____
 Bit size _____ Casing size _____
 Groundwater Depth _____ ft.
 Static Water Level _____ ft.
 after 48 hrs. _____ ft.
 Water Loss _____ ft.

Hole No. BBPOOH 3

Strata Thick. ft.	Depth From To	Description	Run No.	Core Rec'y	RQD %
	73.75	Box 4 73.75'-86' ALTERED GRANITE (SEYENITE?)			
		DIFFERENT FROM ABOVE. ROCK HAS LESS QUARTZ, MORE EUTEDRAL PLAGIOCLASE ALONG WITH K-SPAR BIOTITE AND CHLORITE. PINK TO DARK GREEN IN COLOR. MEDIUM GRAINES WITH DISTINCT GRAIN BOUNDARIES. VERY HARD.		100?	68%
DIABASE	86'	SOME VERY SMALL TENSIONAL FRACTURES, CALCITE HEALED, HIGH ANGLE. CONTACT WITH DIABASE AT 83'. 83'-84': VERY FRACTURED DIABASE, 84'-85': QUARTZ VEN, 85'-86': DIABASE - SEE BELOW			
	Box 5 99.2	BOXES 5-8 86'-139.7 DIABASE DIABASE IS METAMORPHOSED WITH DISTINCT FOLIATION - STEEP WITH FOLIOS. VERY HOMOGENEOUS, DARK GREY DUE TO CHLORITE CONTENT. CHLORITE AND SOME TALE ON FRACTURE SURFACES. OCCASIONAL CALCITE VENS. GENERALLY FINE GRAINED WITH PLAGIOCLASE GRAINS VISIBLE. OCCASIONAL ZONES WHERE ROCK HAS BEEN STRAINED (SHEAR) WITH HIGH ANGLE FOLIATION - THESE ZONES TEND TO HAVE SOME SILICA CONTENT. ROCK GENERALLY BREAKS PARALLEL TO FOLIATION ~ 60°. OCCASIONAL ZONES WHERE ROCK IS MORE FRACTURED, BUT JUST AS HARD. OVERALL, A HARD, CONSISTANT ROCK WITH NOT MUCH ALTERATION. SUDDEN CONTACT WITH GRANITE AT 139.7.		100?	88%
	Box 6 112.7			100?	62%
	Box 7 125.8			100?	70%
	Box 8 139.7'			100?	53%
GRANITE					

NELLO L. TEER COMPANY
EXPLORATORY DRILL LOG

PROJECT WELDON Q4
 LOCATION WELDON
 OWNER _____
 Date start _____ compl. _____
 Geologist or Suptd. _____
 Driller _____ Helper _____

Type drill _____
 Bit size _____ Casing size _____
 Groundwater Depth _____ ft.
 Static Water Level _____ ft.
 after 48 hrs. _____ ft.
 Water Loss _____ ft.

Hole No. BBF00H 3

Strata Thick. ft.	Depth From To	Description	Run No.	Core Rec'y	RQD %
	140'	Boxes 9-10 139.7'-166.6' GRANITE: ALTERED GRANITE SOLID, MED GRAINED ALTERED GRANITE, SIMILAR TO ABOVE DIABASE. ~ 50% QUARTZ, 35% FELDSPARS 15% BIOTITE WITH VARYING AMOUNTS OF EPIDOTE UP TO 25%. FAINT FOLIATION AT ~ 45°. OCCASIONAL WEATHERED ZONES 1"-3" THICK WITH FELDSPARS ALTERING TO CLAY AND DEPOSITION OF CLAYS CHLORITE AND SILICA. USUALLY ASSOCIATED WITH QUARTZ VEINS. DRILLER SAID WATER LOSS OCCURS AT 140' (CONTACT OF DIABASE). OVERALL ROCK IS HARD WITH OCCASIONAL WEATHERED ZONES. 158'-164': ROCK IS STRAINED WITH 45°-60° FOLIATION. ROCK TENDS TO BREAK PARALLEL TO FOLIATION, USUALLY ALONG CHLORITE VEINS. CHLORITE, CLAYS, CALCITE AND SULFIDES LIGHTLY COAT FRACTURES.		100%	80%
	154.4'				
	Box 10 166.6'			100%	82%
	Box 11 180.5'	Boxes 11-12 166.6'-193.0' ALTERED GRANITE VERY SIMILAR TO ABOVE. DARK GRAY-GREEN ALTERED GRANITE. MED. GRAINED BUT GRAIN BOUNDARIES INDISTINCT AND FUSED. MINERAL PERCENTAGES DIFFICULT TO DETERMINE. 40% QUARTZ, 40% FELDSPAR 20% CHLORITE, EPIDOTE, AMPHIBOLE. FAINT FOLIATION ~ 45° - ROCK MAY OR MAY NOT BREAK PARALLEL. ROCK IS MUCH MORE BROKEN AND FRACTURED THAN ABOVE. THERE IS APPARENTLY AT LEAST 2 SETS OF NEAR VERTICAL FRACTURES THEREFORE DRILL PROBABLY BREAKS ROCK, VERY LITTLE MINERALIZATION ON SURFACES, ROCK IS HARD.		100%	53%
	Box 12 193.0'			100%	60%
	Box 13 210.25'	Boxes 13-14 193.0'-225.25' ALTERED GRANITE VERY SIMILAR TO ABOVE. DARK GRAY-GREEN ALTERED GRANITE. MINERALOGY AS ABOVE. GRAIN BOUNDARIES MORE DISTINCT - LESS STRAIN. ROCK CONTINUES TO BE BROKEN DUE TO VERTICAL FRACTURES UNTIL ~ 205' WHERE ROCK IS MORE SOLID - FAINT PREFERRED ORIENTATION ~ 50° OF CHLORITE GRAINS (POSSIBLY AFTER BIOTITE). CORE LOSS OF 4 FT. 200'-204' DUE TO INNER BARREL MISS-LATCH - ROCK IS HARD		78% SEE TEXT	65%
	Box 14 225.25'			100%	87%

NELLO L. TEER COMPANY
EXPLORATORY DRILL LOG

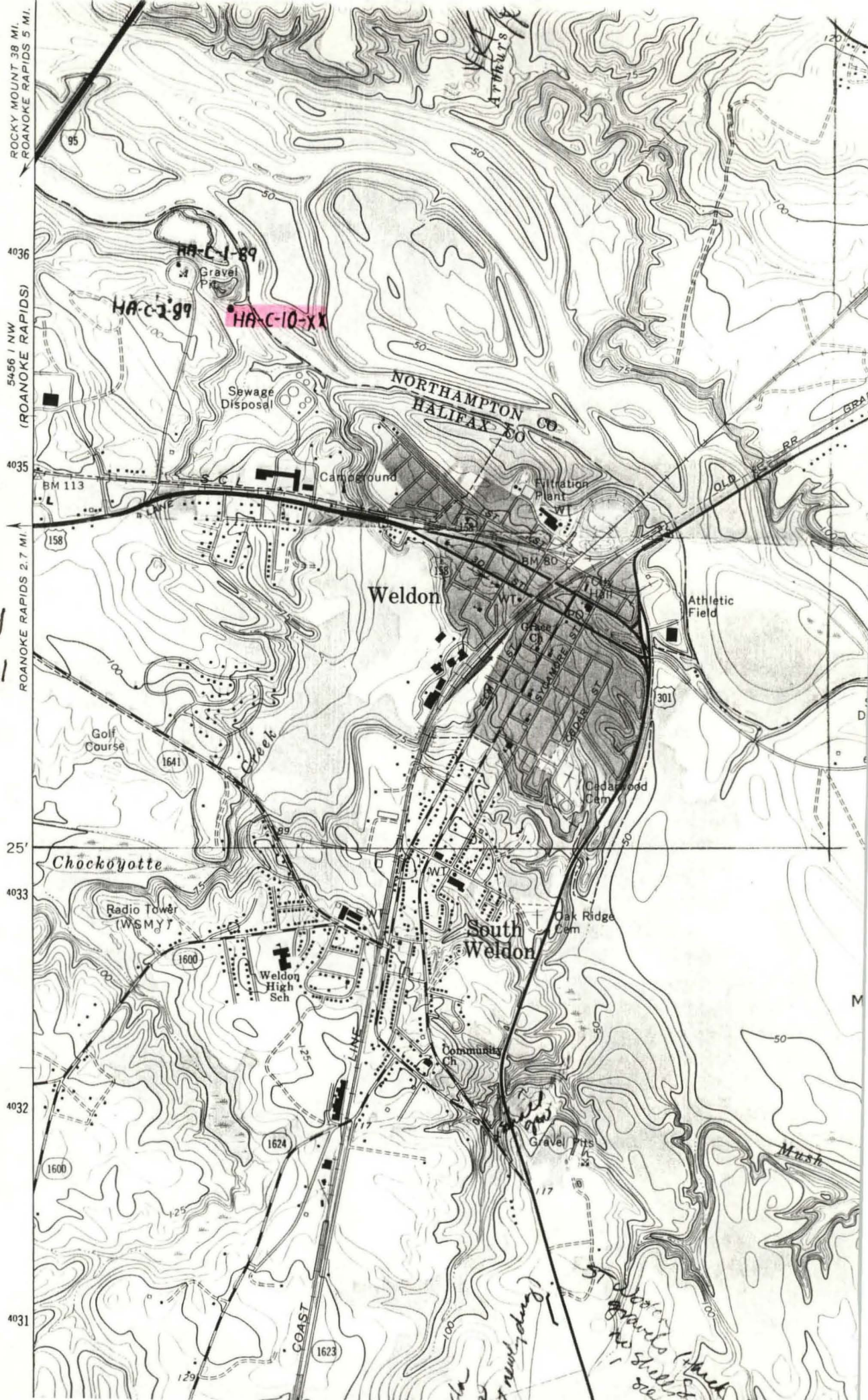
PROJECT WELDON QUARRY
 LOCATION WELDON
 OWNER RICHTMEYER / PIERCE
 Date start _____ compl. _____
 Geologist or Suptd. _____
 Driller _____ Helper _____

Type drill _____
 Bit size _____ Casing size _____
 Groundwater Depth _____ ft.
 Static Water Level _____ ft.
 after 48 hrs. _____ ft.
 Water Loss _____ ft.

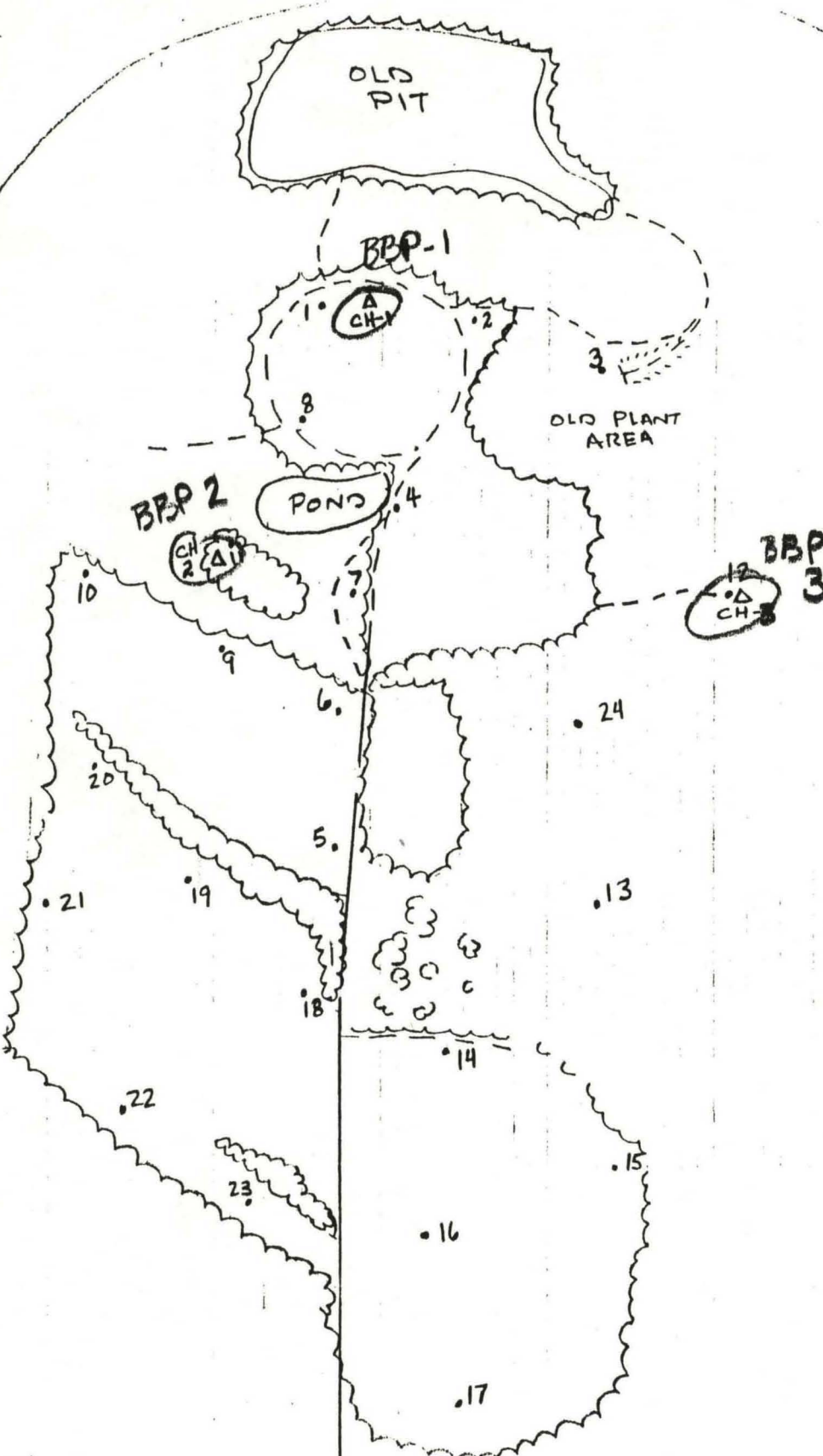
Hole No. BBP00H 3

Strata Thick. ft.	Depth From To	Description	Run No.	Core Rec'y	RQD %
	225.5'	BOXES 15-16 225.5' - 251.0' ALTERED GRANITE VERY SIMILAR TO ABOVE. SLIGHTLY LESS ALTERED; MORE OF A GRANITIC TEXTURE WITH MORE CLEARLY DEFINED GRAIN BOUNDARIES. 40% QUARTZ, 30% FELDSPAR 30% BIOTITE or AMPHIBOLE (NOTE MORE MAFIC HERE POSSIBLY DUE TO BEING LESS ALTERED). SOME EPIDOTE, CHLORITE. LESS FRACTURED THAN ABOVE OCCASIONAL VERTICAL FRACTURES, SOME AT 45°. VERY SLIGHT CALCITE, CHLORITE, TALL, AND CLAY ON SURFACES. OVERALL VERY HARD ROCK.		100	83%
	Box 15 257.4'				
	Box 16 251.0'	Box 17. 251.0' - 264.3' META DACITE PORPHYRY DIFFERENT FROM ABOVE. LOOKS SIMILAR TO NORTH DURHAM ROCK. GREEN WITH LIGHT GREEN PLAG. PHENOCRYSTS - "16" - EUMERAL. INDISTINCT CONTACT WITH ABOVE GRANITIC ROCK AT 247.5'. PAINT PREFERRED ORIENTATION AT 45° WITH PARALLEL EPIDOTE; CALCITE VEINS. SLIGHTLY MORE FRACTURED THAN ABOVE - PURPLE CLAY AND CALCITE COMMON ON FRACTURES, VERTICAL TO HORIZONTAL. DRILLERS SAY ROCK IS VERY HARD		100	91%
	Box 17 264.3'			100	60%
	Box 18 277.5'	BOXES 18-20 264.3' - 302.0' ALTERED GRANITE SIMILAR TO ROCK ABOVE AT 160' - 190'. CONTACT WITH META DACITE PORPHYRY AT ~165'. ROCK IS GRAY-GREEN, QUARTZ-RICH, STRAINED AND FOLIATED. GRAIN BOUNDARIES FUSED AND INDISTINCT. FOLIATION DIPS AT ~35°-45°. MUCH LESS FRACTURED THAN ABOVE. DRILLERS HAVE FIRST 10' RUNS IN THIS HOLE. APPEARS TO BE A HIGHLY STRAINED - SLIGHTLY ALTERED GRANITE. MUCH MORE QUARTZ, MUCH LESS BIOTITE AND FELDSPAR. SEVERAL EPIDOTE, PINK QUARTZ, AND CALCITE VEINS WITH INDISTINCT EDGES. 300'-302': QUARTZ VEIN WITH CHLORITE.		100?	85%
	Box 19 292.0'			100?	100%
	Box 20	END OF HOLE 302'		100?	82%

HA-C-10-XX
LAT: 36 26 22
LONG: 77 36 54
7.5' Weldon Quad
5' Contour Interval



ROAD
RIVER



BBP
WELDON NC
AT OLD WELDON
QUARRY

CSX RAILROAD

U.S. Highway 158

PIERCE'S
TRAILER
SALES

WATER
TOWER