

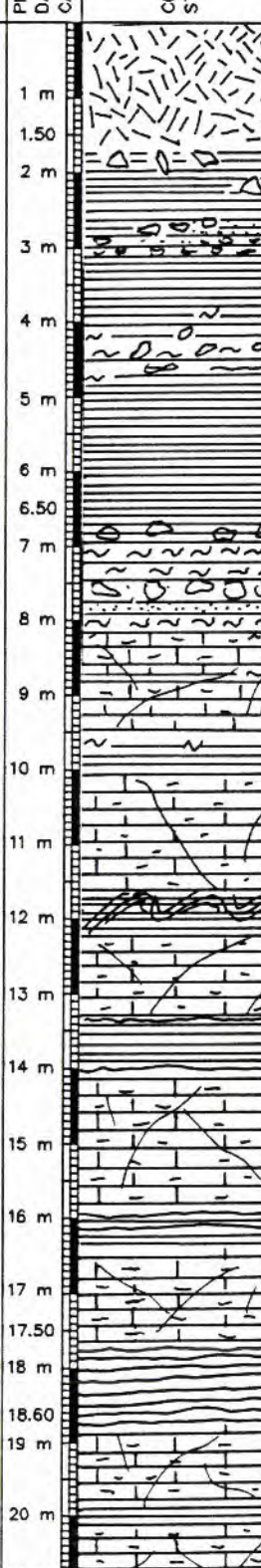
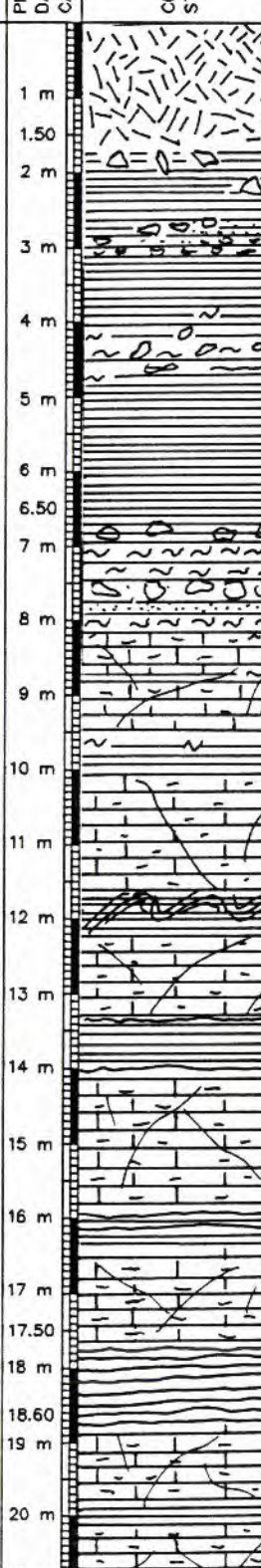
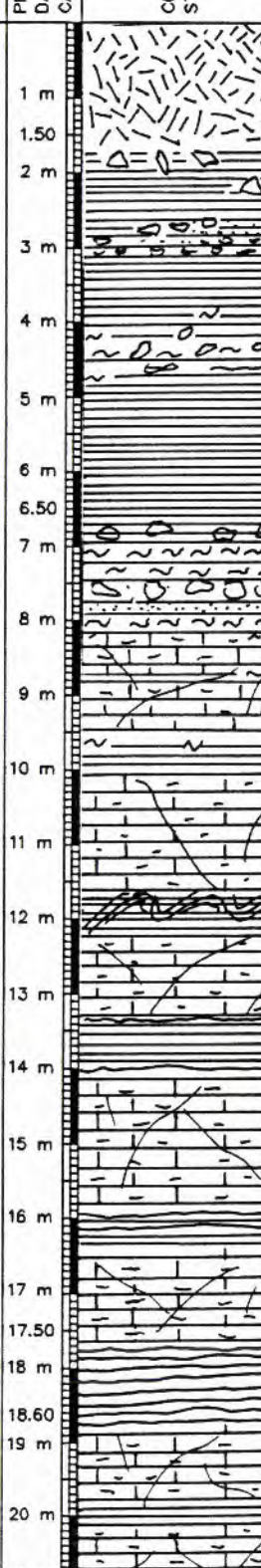
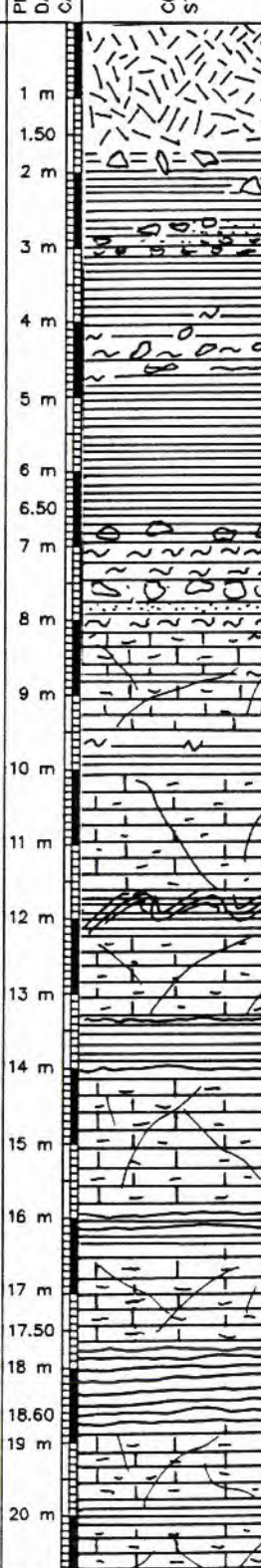
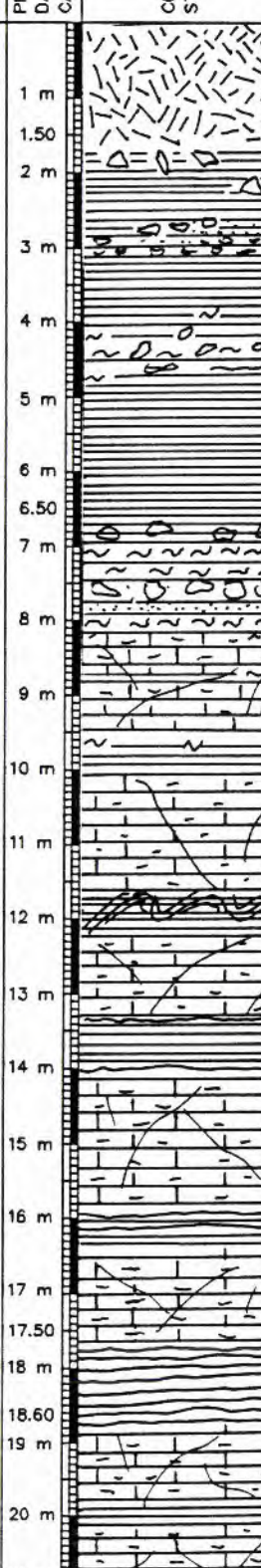
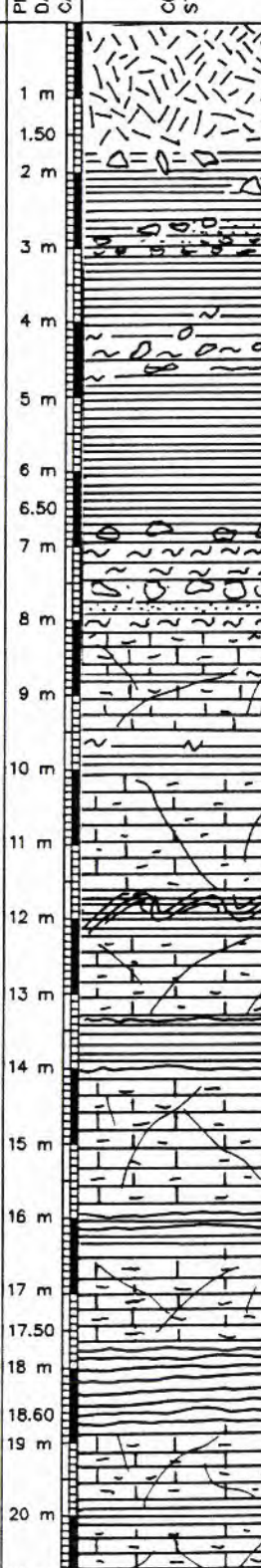
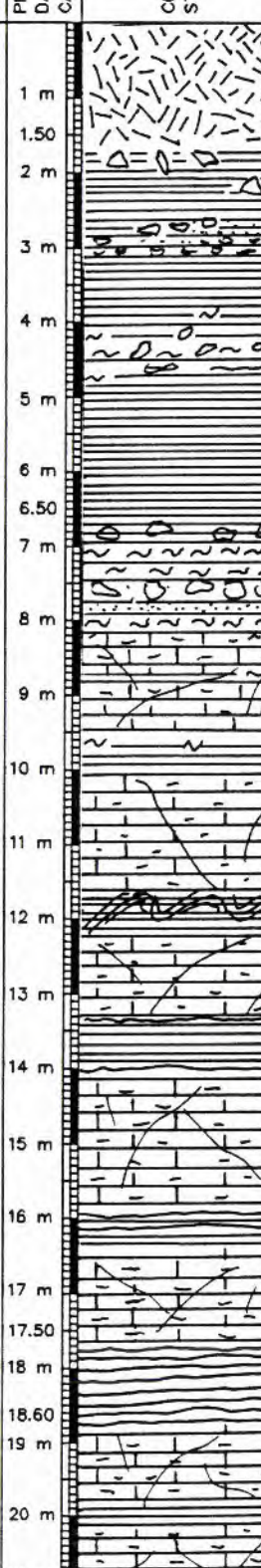
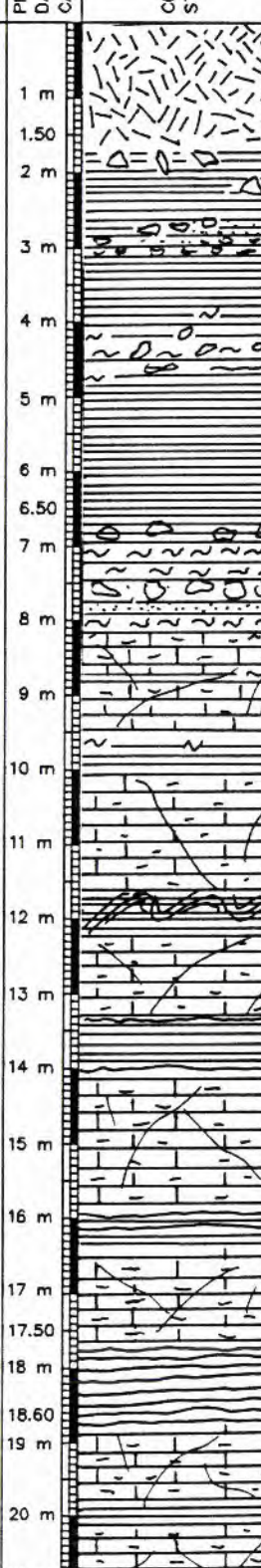
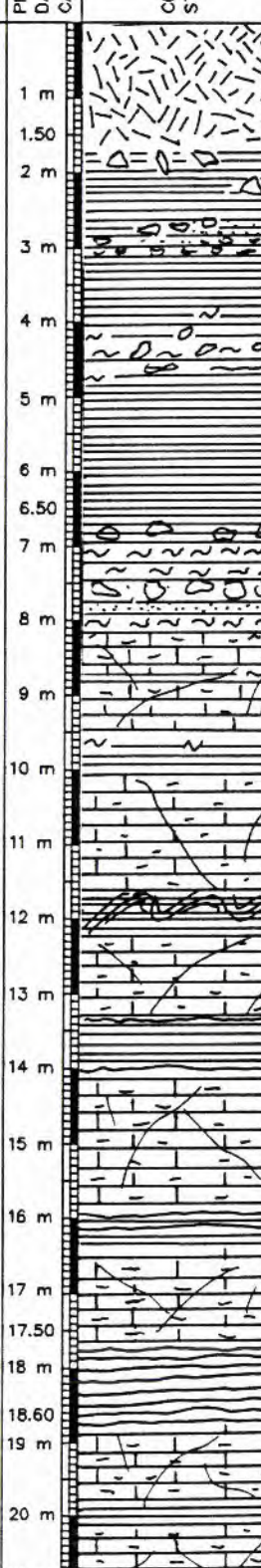
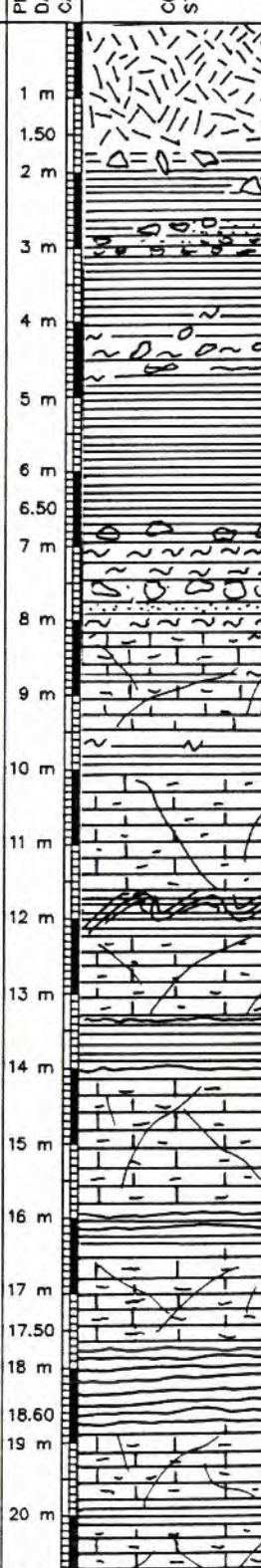
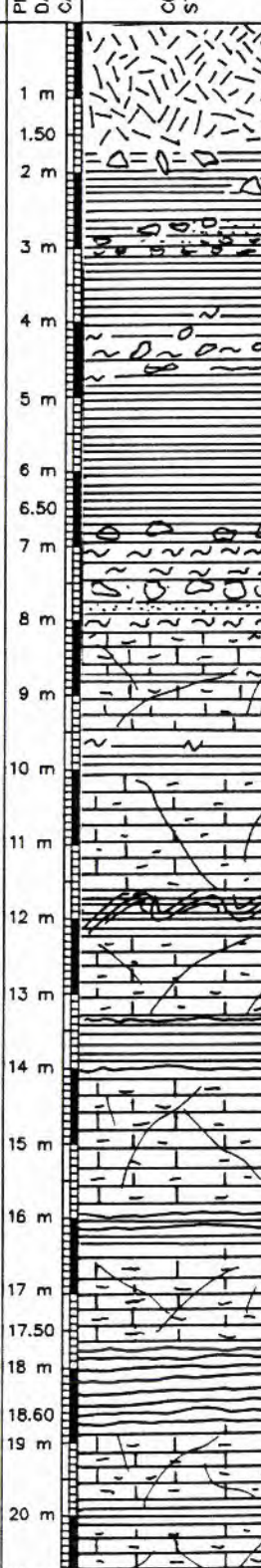
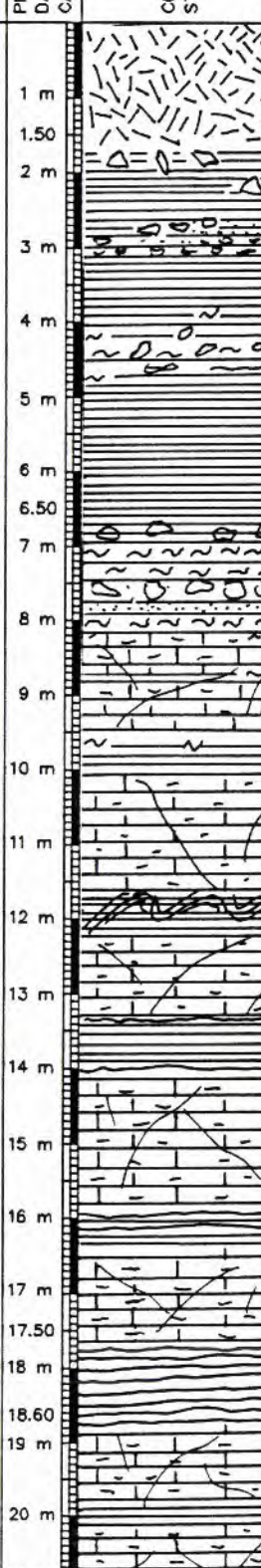
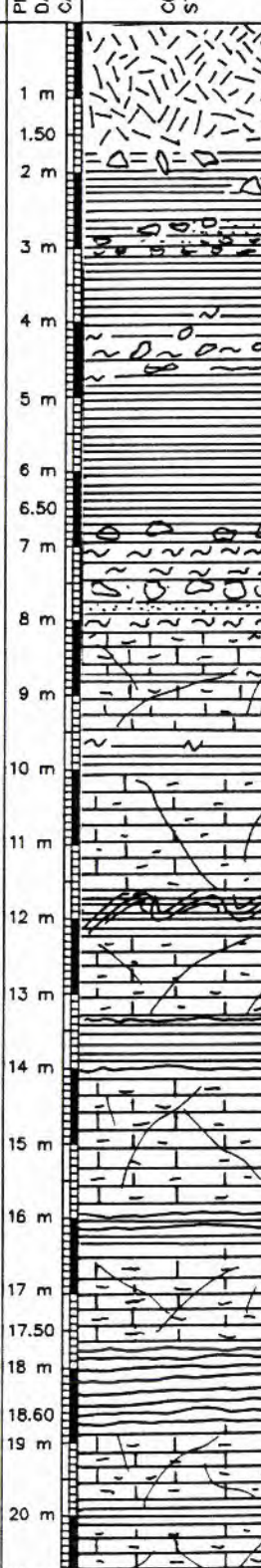
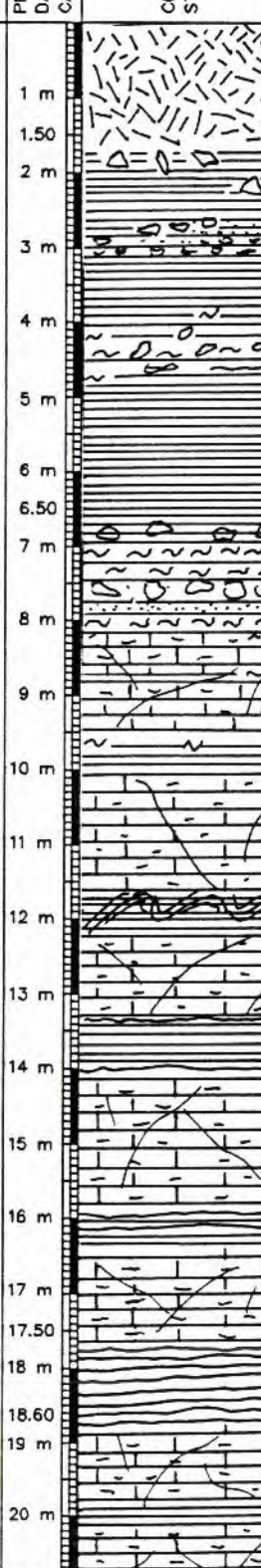
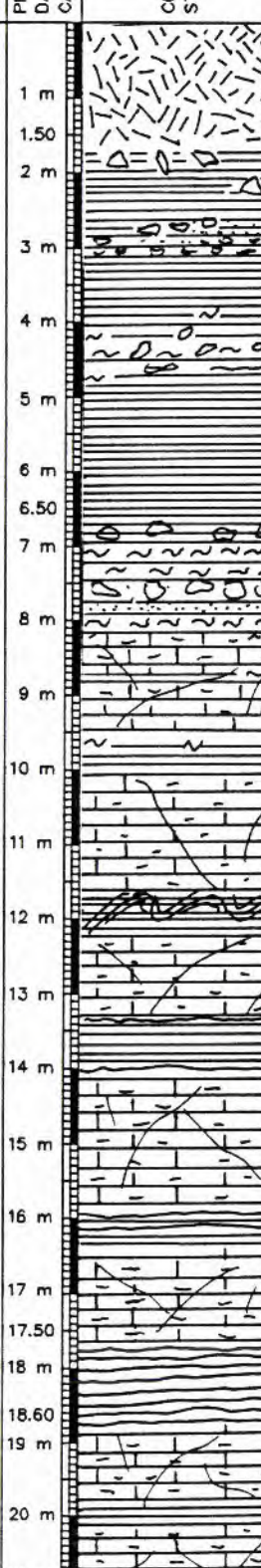
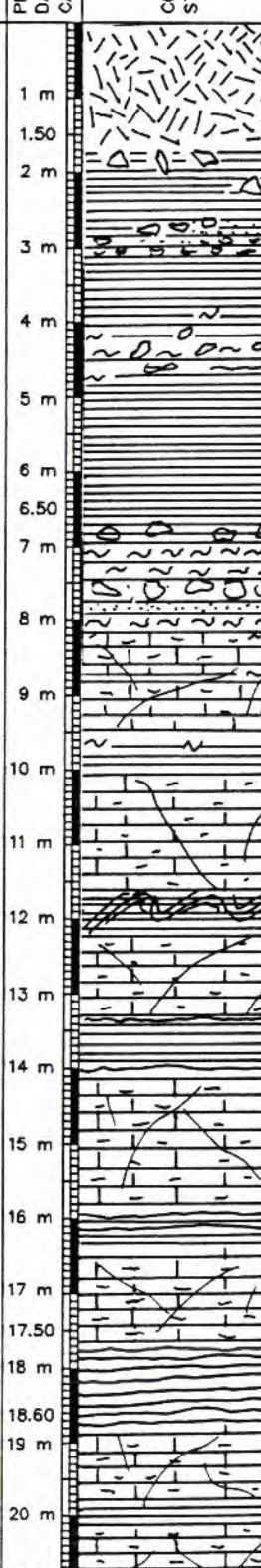
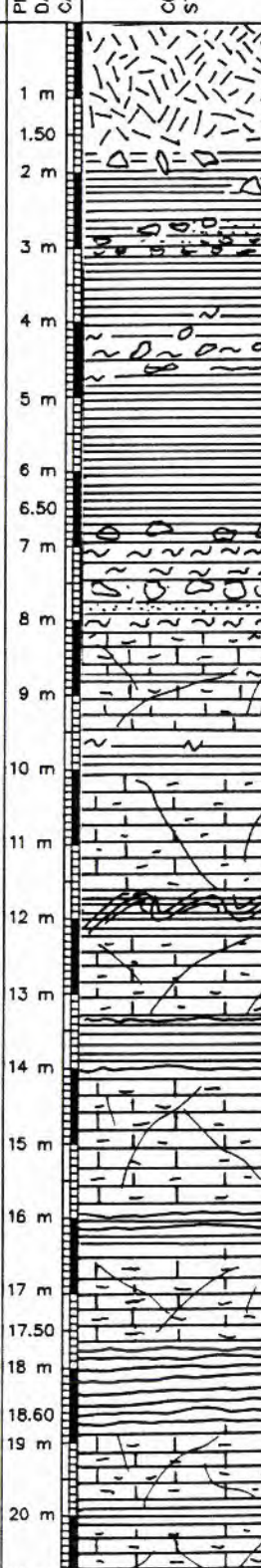
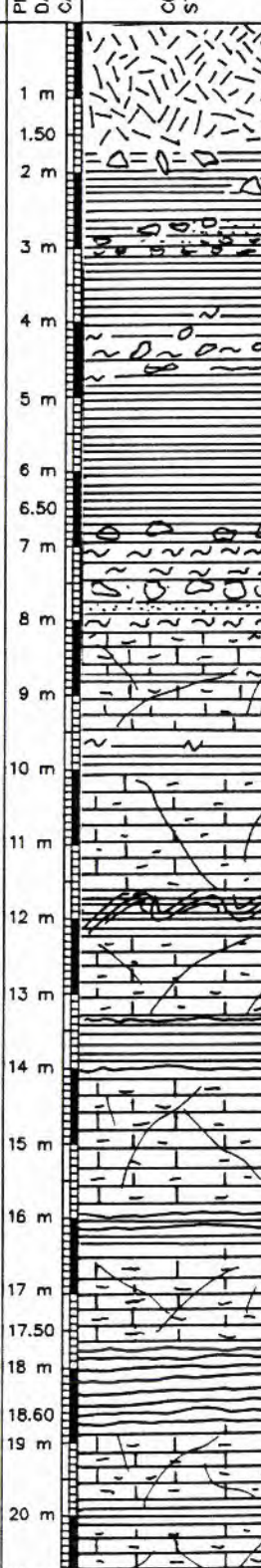
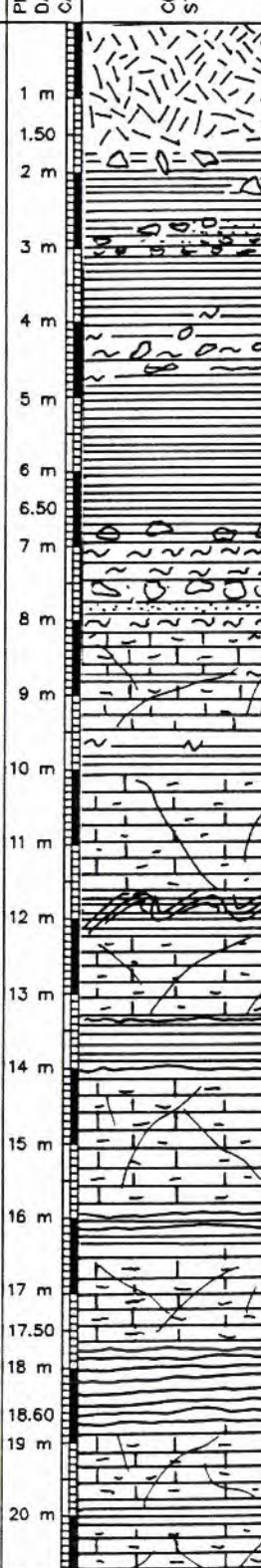
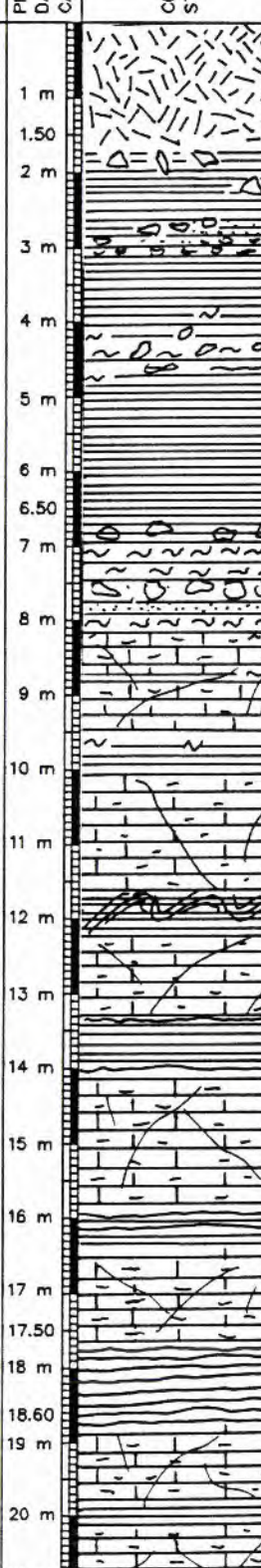
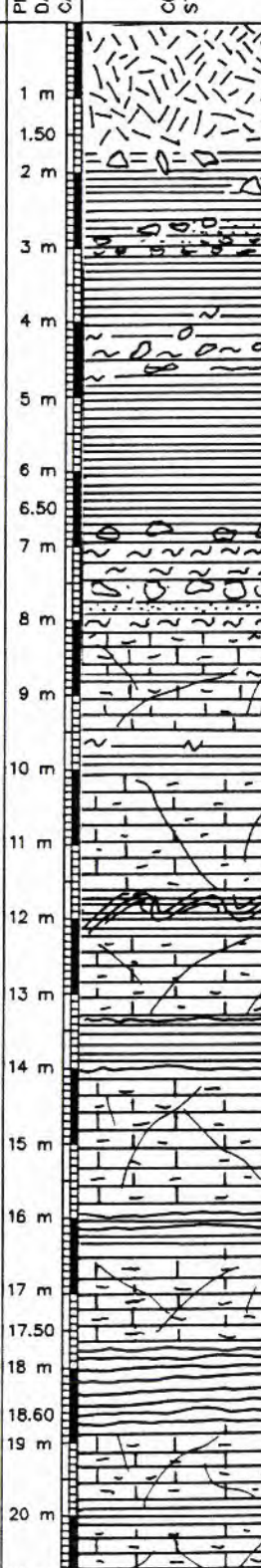
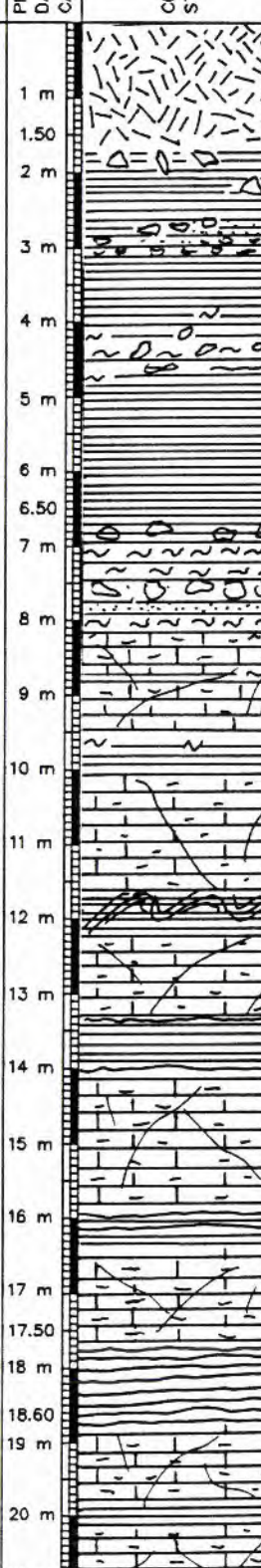
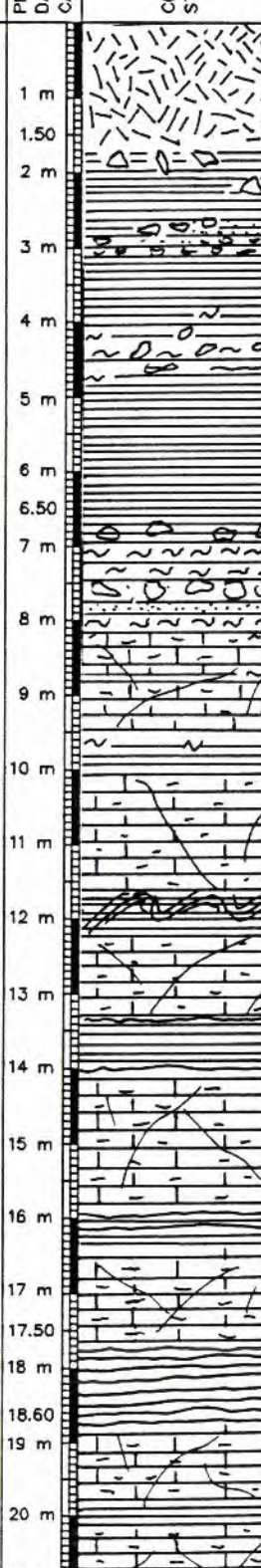
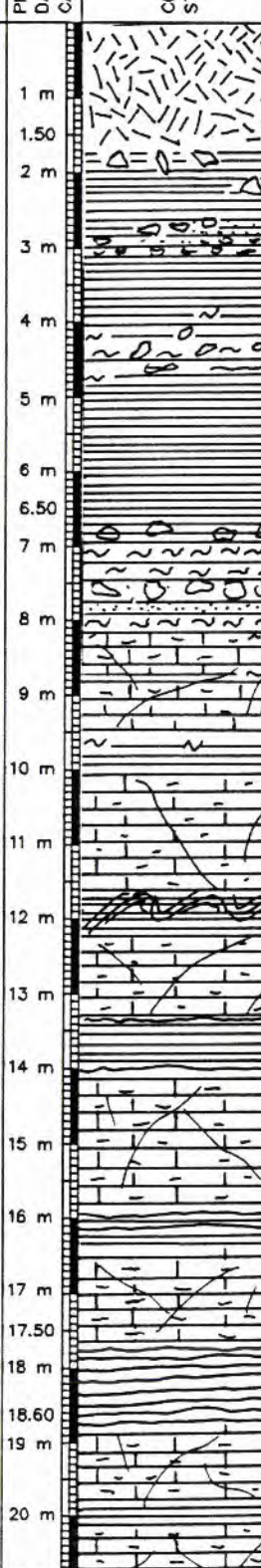
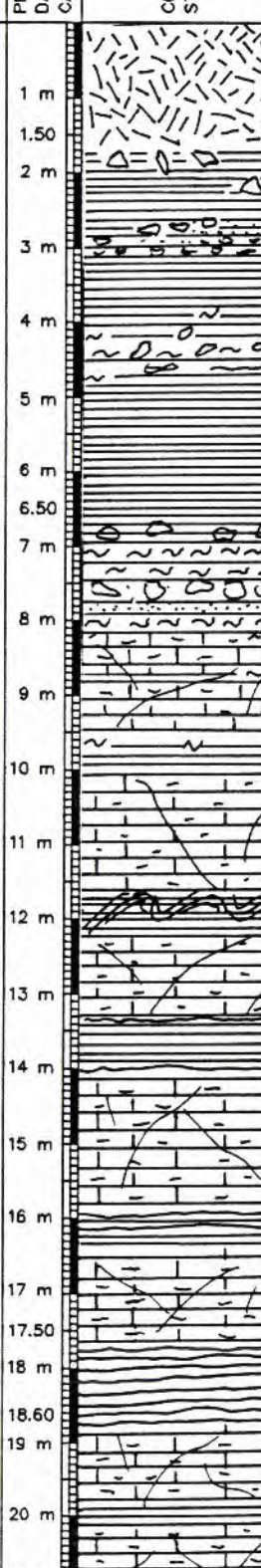
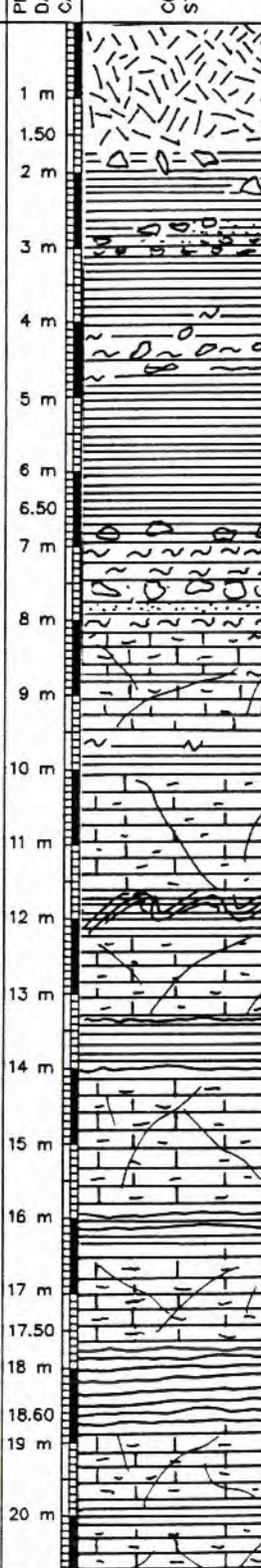
COMMITTENTE ..... ENEL-UNG PISA ..... CANTIERE ..... FARINELLO - LARDERELLO (PI) .....  
 PERFORAZIONE N ..... F13 (INC) ..... CCORDINATE : X = ..... Y = ..... QUOTA ASS. P.C. = ..... ms.l.m.m.  
 DATA INIZIO ..... 09.02.1989 ..... DATA ULTIMAZIONE ..... 15.02.1989 ..... TIPO DI ATTREZZATURA ..... MOBILE DRILL B50 .....  
 RESPONSABILE ..... G.L. CATTANEO ..... OPERATORE ..... C. GASPARETTO .....



RILIEVO H<sub>2</sub>O DURANTE LA PERFORAZIONE

PROF. FORO	PROF. RIVEST.	SERA		MATTINA	
		GG	H	GG	H
11.70	7.50	09/02	2.80	10/02	4.30
17.40	7.50	-	-	13/02	4.40
21.40	7.50	13/02	4.16	-	-
29.90	7.50	-	-	14/02	4.40

PG CAMPIONATORE A PARETI GROSSE D CAMPIONATORE ROTATIVO (Denison)  
 S CAMPIONATORE A PARETI SOTTILI (Shelby) M CAMPIONATORE ROTATIVO (Mazier)  
 O CAMPIONATORE A PISTONE (Osterberg) DP CAMPIONATORE ROTATIVO (Denison) CON FUSTELLA IN PVC  
 SPT { PC PUNTA CONICA } CAMPIONATORE RAYMOND  
 PA PUNTA APERTA

PERFORAZIONE N° F13 (INC)		PAG. 1	SEGUE 1	TOT. 2	09/02/1989		10/02/1989		13/02/1989		17.40		11.70																							
ROTAZIONE CON CAROTAGGIO CONTINUO					WIDIA		CAROTIERE SEMPLICE Øest. 101 mm		DOPPIO CAROTIERE NT6S Ø 101 mm		FORO LIBERO		ACQUA																							
DATA	METODO DI PERFORAZIONE	TIPO DI CORONA	ATTREZZO DI PERFORAZ.	RIVESTIMENTO	FLUIDO DI PERFORAZIONE	PROFONDITA' DAL PIANO CAMPAGNA (m)	COLONNA STRATIGRAFICA	DESCRIZIONE STRATIGRAFICA		CAROTAGGIO %					CAMPIONI INDISTURBATI		CAMPIONI RIMANEGGIATI		S.P.T.					STRUMENTAZ. INSTALLATA	NOTE											
										0	10	20	30	40	50	60	70	80	90	100	POCKET PENETROMETER (Kg/cm²)	TORVANE (Kg/cm²)	NUMERO	TIPO DI CAMP.	PROFOND. PRELIEVO m	NUMERO	PROFOND. PRELIEVO	NUMERO	N° SPT	N° COLPI	PROFOND. m	TIPO DI PUNTA				
						1 m		Terreno di riporto costituita da argilla limosa nocciola con frammenti di roccia e ciottoli subangolari di calcare, calcare marnoso e filamenti vegetali.													3.2				0.80											
						1.50		Argilla nocciola a tratti grigio verdastro con chiazze varicolori con frammenti minuti subangolari di calcare e granuli di calcite.													3.5		A	S												
						2 m		A m 2.60-3.00 Argilla ghiaiosa nocciola con elementi calcarei subangolari (Ø max 6 cm)													2.2				1.40											
						2.50															2.5		B	S	2.10											
						3 m		A m 3.00-6.50 Argilla compatta grigio nocciola con chiazze ocracee e granuli sparsi di calcite con un livello di limo argilloso nocciola debolmente ghiaioso (Ø max 3 cm)													1.4				2.60											
						4 m																														
						5 m															3.4				4.50											
						6 m															3.2		C	S												
						6.50															3.9				5.10											
						7 m		Limo argilloso nocciola debolmente ghiaioso; elementi subangolari di calcare marnoso (Ø max 4 cm); intervalli di limo sabbioso nocciola con granuli di calcite ed argilla compatta grigiasta.													3.3				6.00											
						8 m															3.2		D	S												
						9 m		Alternanza di calcare marnoso fratturato con livelli di argilla marnosa, laminata grigiasta e limo ghiaioso. Il materiale risulta dilavato durante la perforazione.													3.5				6.60											
						10 m															1.9				7.60											
						11 m		Calcare marnoso compatto con frequenti vene di calcite; presenza di fratture con patine di ossidazione e intercalazione di argillite debolmente marnoso a struttura laminata.													4.5		E	S	7.90											
						12 m																														
						13 m																														
						14 m																														
						15 m																														
						16 m															8.0															
						17 m															>10															
						17.50															5.5															
						18 m		Alternanza di argillite grigio scuro laminata con livelli di marne grigio scuro.													5.5															
						18.60																														
						19 m		Calcare marnoso molto fratturato, con patina argillosa grigio scura, intercalata da livelletti argillosi.													7.5															
						20 m															5.5															
						21 m															6.5															
																					SPT1		18.60	1*	50	50	18.71	PA								



