

DATA HEAD COMPLETED = CDS = 321  
TOTAL POINTS = 320 MAX HOLE DEPTH = 780.0 METERS  
EASTING = 45.1 G. METERS  
NORTHING = 18.1 G. METERS

TYPE C DATA (CONTACTS) ----- 131  
TYPE D DATA (SAMPLES) ----- 0  
TYPE S DATA (SYNTHESIS) ----- 70  
TYPE K DATA (SHEATH MARKERS) ----- 38  
TYPE A DATA (SAMPLE MARKERS) ----- 0  
TYPE V DATA (CASSIA VALUES) ----- 0

GEOLOGICAL CONTACTS

DDH	SEQ METERS	RKUNIT	DDH	SEQ METERS	RKUNIT	DDH	SEQ METERS	RKUNIT	DDH	SEQ METERS	RKUNIT			
1	25.3	01	30	222.0	34	583	87	372.0	47	563	101	536.0	60	603
2	29.4	02	35	246.9	35	583	66	376.7	68	588	101	568.0	61	608
3	35.9	03	36	247.2	36	600	69	387.9	69	586	102	574.5	62	541
4	31.5	04	37	253.0	37	580	72	397.0	70	580	103	583.9	63	548
5	45.7	05	38	250.3	38	580	71	408.2	71	540	104	585.0	64	561
6	47.7	06	39	263.5	39	580	72	406.0	70	540	105	586.1	65	560
7	48.2	07	40	264.0	40	580	73	410.7	73	540	106	589.0	66	568
8	52.1	08	41	266.0	41	580	74	411.9	70	540	107	599.9	67	588
9	72.2	10	42	268.7	42	580	75	428.3	75	540	108	607.1	68	580
10	101.2	10	43	272.2	43	580	76	427.6	76	500	109	615.1	69	560
11	127.2	13	44	272.5	44	580	77	435.3	77	540	110	617.9	70	563
12	143.0	14	45	278.9	45	580	78	439.7	78	540	111	619.7	71	568
13	110.2	13	46	290.6	46	580	79	457.9	79	540	112	622.0	72	563
14	125.0	14	47	291.8	47	580	80	478.0	80	540	113	623.1	73	568
15	132.5	15	48	300.8	48	580	81	461.7	81	540	114	627.8	74	565
16	132.7	16	49	301.6	49	580	82	476.1	82	540	115	636.2	75	565
17	133.0	17	50	306.8	50	580	83	478.3	83	540	116	636.9	76	568
18	134.3	18	51	306.5	51	580	84	492.0	84	540	117	640.7	77	568
19	144.5	19	52	311.6	52	580	85	493.6	85	540	118	652.7	78	568
20	148.7	20	53	312.1	53	580	86	499.0	86	540	119	652.1	79	568
21	150.7	21	54	339.1	54	580	87	499.6	87	540	120	673.4	80	568
22	151.4	22	55	340.8	55	580	88	515.0	88	540	121	683.6	81	588
23	153.2	23	56	344.5	56	580	89	515.7	89	500	122	684.3	82	588
24	153.4	24	57	346.5	57	580	90	516.0	90	540	123	687.6	83	568
25	176.0	25	58	349.1	58	580	91	516.0	91	540	124	693.9	84	568
26	178.0	26	59	353.9	59	580	92	519.0	92	540	125	696.0	85	568
27	184.2	27	60	358.8	60	580	93	515.0	93	540	126	707.9	86	568
28	188.0	28	61	359.1	61	580	94	523.0	94	540	127	748.9	87	568
29	205.0	29	62	363.7	62	580	95	525.0	95	588	128	750.0	88	568
30	198.0	30	63	368.7	63	580	96	528.3	96	588	129	750.0	89	568
31	205.0	31	64	368.9	64	580	97	532.3	97	588	130	750.3	90	568
32	205.0	32	65	370.6	65	580	98	532.0	98	588	131	780.0	91	568
33	178.0	33	66	370.9	66	580	99	532.0	99	588	132	780.0	92	568

PROGRAM COMMAND: PLOT01000,010  
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\* DDH: 80-S-01 \* START PLOT NUMBER 1  
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PLOT-N == TRACE, LITHOLOGY, STRUCTURE, & SYMMETRY  
PROJECTION PLANE BEARS 10. DEGREES -- VIEW AZIMUTH: 280. DEGREES  
PLOT SCALE IS AT A RATIO OF: 1:1000. = 25.4 METERS/INCH  
X-AXIS PLOT LIMITS: X=01 = 0.00 (INCHES)  
Y-AXIS BOREHOLE LENGTH: Y=30 = 38.0 (INCHES)  
BOREHOLE LENGTHS FOR PLOTTING: G = 780.0 METERS J = 1 = 320  
MAX PAPER WIDTH REQUIRED: 34.0 INCHES

DDH	METERS	Z-ANG	AZ	OBSERVED	CALCULATED	OBSERVED	CALCULATED	PLOT PARAMETERS				
CA DIPP	DIP	DIPP	AP-DIPP	CA DIPP	DIP	DIPP	AP-DIPP	H	V			
46.5	177.0	324.5				70.	40.	11.5	40.0	19.0	.20	.03
53.9	177.3	318.0				70.	40.	11.5	40.0	19.0	.19	.05
59.4	177.0	315.0				85.	40.					
62.1	176.7	318.5				80.	40.	9.5	40.0	8.0	.20	.03
65.1	176.7	309.5				65.	40.	23.5	40.0	21.3	.19	.07
77.0	176.2	301.1				65.	40.	25.5	40.0	22.3	.19	.08
83.8	175.8	295.9				85.	40.					
85.9	175.7	293.6				75.	40.	17.7	40.0	15.9	.19	.05
88.0	174.8	288.0				80.	40.					
97.4	175.2	285.6				75.	40.	16.5	40.0	14.3	.19	.05
102.0	174.9	282.0				85.	40.					
108.4	174.6	277.1										
111.7	174.5	274.6				60.	40.	32.9	40.0	29.2	.17	.10
116.0	174.2	270.9				70.	40.	23.5	40.0	19.0	.19	.07
121.8	174.0	267.2				70.	40.	17.8	40.0	15.0	.19	.05
124.2	173.8	265.1				80.	40.	3.0	40.0	2.2	.20	.04
132.7	173.4	258.6				72.	40.	22.7	40.0	19.9	.19	.07
139.0	173.1	253.0				60.	40.	55.0	40.0	51.7	.12	.05
148.0	172.7	247.0				65.	40.	29.9	40.0	26.4	.18	.09
147.8	172.7	247.0				65.	40.	31.3	40.0	27.8	.18	.09
156.2	172.2	235.9				77.	40.	26.2	40.0	17.7	.19	.06
169.0	172.3	231.1				66.	40.	17.2	40.0	15.0	.19	.05
173.0	172.8	224.8				63.	40.	23.5	40.0	19.0	.19	.07
180.2	173.1	211.8				50.	40.	16.0	40.0	14.5	.19	.05
192.5	173.9	206.1				65.	40.	30.9	40.0	27.4	.18	.09
194.0	174.0	204.9				70.	40.	25.5	40.0	22.2	.19	.06
211.8	174.2	194.9				60.	40.	19.1	40.0	16.7	.19	.06
218.0	174.3	186.7				85.	40.					
221.0	174.3	183.0				75.	40.	14.0	40.0	16.0	.19	.06
227.4	174.7	178.5				72.	40.	21.5	40.0	18.8	.18	.06
235.5	175.0	170.9				75.	40.	17.8	40.0	15.0	.19	.05
241.1	175.2	165.7				60.	40.	12.0	40.0	10.4	.20	.04
249.1	175.5	156.9				85.	40.					
254.1	175.5	156.9										
253.7	175.7	152.7				65.	40.	26.4	40.0	23.2	.18	.08
258.8	175.9	148.1				62.	40.	7.1	40.0	6.1	.20	.04
263.1	176.0	142.5				62.	40.	17.1	40.0	15.1	.19	.06
272.5	176.4	135.7				75.	40.	14.6	40.0	12.7	.20	.04

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\* DDH: 80-S-01 \* ANALYSIS OF STRUCTURE DATA FOR PLANES: S1 AND S2  
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PROJECTION PLANE AZIMUTH = 10.0 VIEW AZIMUTH = 280.0

DDH	METERS	Z-ANG	AZ	OBSERVED	CALCULATED	OBSERVED	CALCULATED	PLOT PARAMETERS				
CA DIPP	DIP	DIPP	AP-DIPP	CA DIPP	DIP	DIPP	AP-DIPP	H	V			
46.5	177.0	324.5				70.	40.	11.5	40.0	19.0	.20	.03
53.9	177.3	318.0				70.	40.	11.5	40.0	19.0	.19	.05
59.4	177.0	315.0				85.	40.					
62.1	176.7	318.5				80.	40.	9.5	40.0	8.0	.20	.03
65.1	176.7	309.5				65.	40.	23.5	40.0	21.3	.19	.07
77.0	176.2	301.1				65.	40.	25.5	40.0	22.3	.19	.08
83.8	175.8	295.9				85.	40.					
85.9	175.7	293.6				75.	40.	17.7	40.0	15.9	.19	.05
88.0	174.8	288.0				80.	40.					
97.4	175.2	285.6				75.	40.	16.5	40.0	14.3	.19	.05
102.0	174.9	282.0				85.	40.					
108.4	174.6	277.1										
111.7	174.5	274.6				60.	40.	32.9	40.0	29.2	.17	.10
116.0	174.2	270.9				70.	40.	23.5	40.0	19.0	.19	.07
121.8	174.0	267.2				70.	40.	17.8	40.0	15.0	.19	.05
124.2	173.8	265.1				80.	40.	3.0	40.0	2.2	.20	.04
132.7	173.4	258.6				72.	40.	22.7	40.0	19.9	.19	.07
139.0	173.1	253.0				60.	40.	55.0	40.0	51.7	.12	.05
148.0	172.7	247.0				65.	40.	29.9	40.0	26.4	.18	.09
147.8	172.7	247.0				65.	40.	31.3	40.0	27.8	.18	.09
156.2	172.2	235.9				77.	40.	26.2	40.0	17.7	.19	.06
169.0	172.3	231.1				66.	40.	17.2	40.0	15.0	.19	.05
173.0	172.8	224.8				63.	40.	23.5	40.0	19.0	.19	.07
180.2	173.1	211.8				50.	40.	16.0	40.0	14.5	.19	.05
192.5	173.9	206.1				65.	40.	30.9	40.0	27.4	.18	.09
194.0	174.0	204.9				70.	40.	25.5	40.0	22.2	.19	.06
211.8	174.2	194.9				60.	40.	19.1	40.0	16.7	.19	.06
218.0	174.3	186.7				85.	40.					
221.0	174.3	183.0				75.	40.	14.0	40.0	16.0	.19	.06
227.4	174.7	178.5				72.	40.	21.5	40.0	18.8	.18	.06
235.5	175.0	170.9				75.	40.	17.8	40.0	15.0	.19	.05
241.1	175.2	165.7				60.	40.	12.0	40.0	10.4	.20	.04
249.1	175.5	156.9				85.	40.					
254.1	175.5	156.9										
253.7	175.7	152.7				65.	40.	26.4	40.0	23.2	.18	.08
258.8	175.9	148.1				62.	40.	7.1	40.0	6.1	.20	.04
263.1	176.0	142.5										

DATA READ COMPLETED -- CARDS = 179  
 POINTS = 178 MAX UDR DEPTH = 493.5 METERS  
 MAX TRUE DEPTH = 491.2 METERS  
 EASTING: --9 = 16.5 METERS  
 NORTHING: 0 = 33.0 METERS

TYPE C DATA (CONTACTS) ----- 62  
 TYPE D DATA (DIP) ----- 74  
 TYPE P DATA (SAMPLES) ----- 0  
 TYPE S DATA (SYMMETRY) ----- 40  
 TYPE A DATA (DEF MARKERS) --- 24  
 TYPE V DATA (ASSAY VALUES)--- 0

GEOLOGICAL CONTACTS

DDH			DDH			DDH			DDH		
SEG	METERS	RKUNIT	SEG	METERS	RKUNIT	SEG	METERS	RKUNIT	SEG	METERS	RKUNIT
1	34.1	17 508	17	229.8	17 508	33	346.0	33 508	59	419.4	49 368
2	82.7	02 582	18	229.8	16 540	34	346.0	34 580	59	421.4	51 360
3	83.0	03 508	19	232.9	19 580	35	349.8	35 582	51	421.4	51 360
4	83.0	04 582	20	233.2	20 580	36	350.5	36 582	52	437.1	52 368
5	83.1	05 508	21	240.1	21 540	37	355.4	37 580	53	439.8	53 360
6	82.2	06 582	22	256.3	22 580	38	356.6	38 486	54	439.9	54 367
7	93.9	07 582	23	270.7	23 540	39	358.0	39 580	55	441.4	55 368
8	104.6	08 582	24	272.5	24 540	40	359.7	40 480	56	445.7	56 367
9	104.5	09 582	25	270.7	25 580	41	360.0	41 580	57	446.5	57 368
10	153.4	10 582	26	293.2	26 540	42	382.9	42 586	58	464.7	58 360
11	154.1	11 000	27	296.3	27 582	43	386.3	43 567	59	480.1	59 368
12	156.8	12 582	28	331.5	28 540	44	390.4	44 360	60	485.2	60 368
13	162.0	13 586	29	334.7	29 580	45	406.3	45 367	61	487.7	61 360
14	162.6	14 000	30	335.6	30 580	46	406.8	46 360	62	493.5	62 360
15	190.3	15 580	31	343.4	31 580	47	415.0	47 360			
16	203.3	16 586	32	343.8	32 580	48	415.6	48 360			

PROGRAM COMMAND: PLOT8,1000,010

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 \* DDH1 80-S-02 \* START PLOT NUMBER 1  
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PLOT-B -- TRACE, LITHOLOGY, STRUCTURE, & SYMMETRY  
 PROJECTION PLANE BEARS 10. DEGREES -- VIEW AZIMUTH: 280. DEGREES  
 PLOT SCALE IS AT A RATIO OF: 1:1000. = 25.4 METERS/INCH  
 X-AXIS PLOT LIMITS: 0. = 1.58 (INCHES)  
 Y-AXIS BOREHOLE LENGTH: 19.34 (INCHES)  
 BOREHOLE LIMITS FOR PLOTTING: 0. = 493.5 METERS J = 1 - 178  
 MAX PAPER WIDTH REQUIRED: 23.0 INCHES

\*\*\*\*\* ANALYSIS OF STRUCTURE DATA FOR PLANES: S1 AND S2 \*\*\*\*\*

PROJECTION PLANE AZIMUTH = 10.0 VIEW AZIMUTH = 280.0

DDH METERS	Z-ANG	AZ	S1 PLANE (NOT PLOTTED)			S2 PLANE (PLOTTED)			PLOT PARAMETERS	
			OBSERVED CA DIPP	CALCULATED DIP	AP-DIP	OBSERVED CA DIPP	CALCULATED DIP	AP-DIP	H	V
35.1	177.3	307.3				76. 40.	13.7 40.0	12.0	.20	.04
41.5	176.9	317.3				82. 40.	7.4 40.0	6.4	.20	.02
46.3	176.7	329.4				75. 40.	13.8 40.0	11.8	.19	.08
53.9	176.2	348.0				68. 40.	22.0 40.0	19.3	.19	.07
62.2	175.8	371.1				72. 40.	15.4 40.0	13.4	.20	.03
69.2	175.4	27.1				60. 40.	6.2 40.0	5.3	.20	.02
75.3	175.0	42.5				70. 40.	15.5 40.0	13.5	.19	.05
82.9	174.6	61.0				68. 40.	16.9 40.0	14.7	.19	.05
90.5	174.2	80.7				80. 40.	3.2 40.0	2.9	.20	.01
96.6	174.1	79.8				59. 40.	30.3 40.0	26.8	.18	.09
101.2	174.0	77.1				65. 40.	20.0 40.0	17.5	.19	.06
109.1	173.9	72.3				70. 40.	14.7 40.0	12.7	.20	.04
117.0	173.9	64.5				77. 40.	7.2 40.0	5.6	.20	.01
121.9	173.9	64.5				57. 40.	27.5 40.0	24.0	.19	.08
126.5	173.8	61.7				78. 40.	6.0 40.0	5.2	.20	.02
131.1	173.8	58.9				80. 40.	3.7 40.0	3.2	.20	.01
139.3	173.8	53.9				80. 40.	3.7 40.0	3.2	.20	.01
148.4	173.7	50.2				70. 40.	13.7 40.0	11.9	.20	.04
151.5	173.7	46.5				73. 40.	16.0 40.0	14.2	.20	.05
159.2	173.5	43.0				80. 40.	3.5 40.0	3.0	.20	.01
168.4	173.4	41.7				80. 40.	3.4 40.0	3.0	.20	.01
172.8	173.4	41.7				70. 40.	15.4 40.0	13.4	.20	.04
185.0	173.2	39.1				80. 40.	3.2 40.0	2.8	.20	.01
189.2	173.2	38.2				75. 40.	6.1 40.0	7.0	.20	.02
206.8	172.9	34.4				85. 40.				
206.8	172.9	34.4							PERPENDICULAR	
213.7	172.8	33.1				85. 40.			PERPENDICULAR	
213.7	172.8	33.1				70. 40.	13.2 40.0	11.5	.20	.04
229.2	173.0	40.3				80. 40.	3.6 40.0	3.1	.20	.01
235.4	174.1	44.5				65. 40.	19.1 40.0	16.8	.20	.03
242.9	174.4	46.4				70. 40.	14.4 40.0	12.6	.20	.04
249.3	174.7	49.5				85. 40.				
262.7	175.4	55.7				55. 40.	30.6 40.0	27.1	.18	.09
268.2	175.7	58.2				75. 40.	18.9 40.0	15.5	.20	.02
281.9	175.8	54.4				60. 40.	26.2 40.0	23.1	.18	.08
285.3	175.5	51.8				70. 40.	15.7 40.0	13.7	.19	.05
285.3	175.5	51.8				70. 40.	15.4 40.0	13.4	.20	.04
293.2	175.1	44.6				75. 40.	10.4 40.0	9.1	.20	.03
293.2	175.1	44.6				86. 40.			PERPENDICULAR	

\*\*\*\*\* ANALYSIS OF STRUCTURE DATA FOR PLANES: S1 AND S2 \*\*\*\*\*

PROJECTION PLANE AZIMUTH = 10.0 VIEW AZIMUTH = 280.0

DDH METERS	Z-ANG	AZ	S1 PLANE (NOT PLOTTED)			S2 PLANE (PLOTTED)			PLOT PARAMETERS	
			OBSERVED CA DIPP	CALCULATED DIP	AP-DIP	OBSERVED CA DIPP	CALCULATED DIP	AP-DIP	H	V
296.3	174.9	41.9				80. 40.	4.9 40.0	4.2	.20	.01
301.4	174.7	37.5				70. 40.	14.7 40.0	12.9	.20	.04
310.0	174.3	30.0				60. 40.	24.4 40.0	21.4	.19	.07
313.0	174.1	27.4				75. 40.	9.2 40.0	8.0	.20	.03
316.9	174.0	26.7				65. 40.	18.2 40.0	16.4	.19	.06
321.4	173.7	20.1				65. 40.	19.0 40.0	16.8	.19	.06
325.9	173.4	13.6				80. 40.	13.6 40.0	12.0	.20	.04
331.2	173.3	11.0				64. 40.	19.9 40.0	17.4	.19	.06
336.5	173.0	7.0				70. 40.	13.8 40.0	12.0	.20	.04
340.1	172.4	356.9				70. 40.	13.8 40.0	12.0	.20	.04
352.3	172.2	353.3				80. 40.	15.9 40.0	13.9	.20	.03
358.1	172.0	349.9				80. 40.	2.8 40.0	2.4	.20	.01
364.2	172.2	347.0				72. 40.	12.2 40.0	10.6	.20	.04
370.6	172.4	346.0				70. 40.	4.6 40.0	4.1	.20	.01
377.0	172.7	345.0				84. 40.				
377.0	172.7	345.0				74. 40.	10.8 40.0	9.4	.20	.03
385.1	172.8	343.9				70. 40.	15.3 40.0	13.4	.19	.05
388.3	173.0	342.9				60. 40.	26.1 40.0	23.0	.19	.08
397.8	173.3	341.0				75. 40.	10.7 40.0	9.3	.20	.03
404.5	173.5	338.7				60. 40.	26.6 40.0	23.4	.18	.08
410.9	174.0	336.4				75. 40.	16.2 40.0	14.9	.20	.05
416.5	174.0	335.1				82. 40.	3.5 40.0	3.2	.20	.01
422.8	174.4	334.4				55. 40.	31.2 40.0	28.5	.17	.08
429.5	174.9	340.3				75. 40.	14.1 40.0	12.2	.20	.04
436.5	175.3	341.7				80. 40.	7.3 40.0	6.3	.20	.02
443.8	176.1	344.0				75. 40.	12.7 40.0	11.0	.20	.04
450.5	176.5	346.0				85. 40.				
454.3	176.5	346.0				85. 40.			PERPENDICULAR	
461.2	176.5	346.0				85. 40.			PERPENDICULAR	
468.0	176.5	346.0				72. 40.	15.7 40.0	13.7	.20	.05
476.9	176.5	346.0				65. 40.	22.8 40.0	20.0	.19	.07
485.9	176.5	346.0				60. 40.	27.8 40.0	24.6	.18	.08
493.5	176.5	346.0				60. 40.	39.9 40.0	35.9	.18	.08

\*\*\*\* PLOT NUMBER 1 FINISHED \*\*\*\*

PROGRAM COMMAND: PLOT8,1000,100

\*\*\*\*\*  
 \* DDH2 80-S-02 \* START PLOT NUMBER 2  
 \*\*\*\*\*

PLOT-B -- TRACE, LITHOLOGY, STRUCTURE, & SYMMETRY  
 PROJECTION PLANE BEARS 100. DEGREES -- VIEW AZIMUTH: 10. DEGREES  
 PLOT SCALE IS AT A RATIO OF: 1:1000. = 25.4 METERS/INCH  
 X-AXIS PLOT LIMITS: --04 = .59 (INCHES)  
 Y-AXIS BOREHOLE LENGTH: 19.34 (INCHES)  
 BOREHOLE LIMITS FOR PLOTTING: 0. = 493.5 METERS J = 1 - 178  
 MAX PAPER WIDTH REQUIRED: 23.0 INCHES

\*\*\*\*\* ANALYSIS OF STRUCTURE DATA FOR PLANES: S1 AND S2 \*\*\*\*\*

PROJECTION PLANE AZIMUTH = 100.0 VIEW AZIMUTH = 10.0

DDH METERS	Z-ANG	AZ	S1 PLANE (NOT PLOTTED)			S2 PLANE (PLOTTED)			PLOT PARAMETERS	
			OBSERVED CA DIPP	CALCULATED DIP	AP-DIP	OBSERVED CA DIPP	CALCULATED DIP	AP-DIP	H	V
296.3	174.9	41.9				80. 40.	4.9 40.0	4.2	.20	.01
301.4	174.7	37.5				70. 40.	14.7 40.0	12.9	.20	.04
310.0	174.3	30.0				60. 40.	24.4 40.0	21.4	.19	.07
313.0	174.1	27.4				75. 40.	9.2 40.0	8.0	.20	.03
316.9	174.0	26.7				65. 40.	18.2 40.0	16.4	.19	.06
321.4	173.7	20.1				65. 40.	19.0 40.0	16.8	.19	.06
325.9	173.4	13.6				80. 40.	13.6 40.0	12.0	.20	.04
331.2	173.3	11.0				64. 40.	19.9 40.0	17.4	.19	.06
336.5	173.0	7.0				70. 40.	13.8 40.0	12.0	.20	.04
340.1	172.4	356.9				70. 40.	13.8 40.0	12.0	.20	.04
352.3	172.2	353.3				80. 40.	15.9 40.0	13.9	.20	.03
358.1	172.0	349.9				80. 40.	2.8 40.0	2.4	.20	.01
364.2	172.2	347.0				72. 40.	12.2 40.0	10.6	.20	.04
370.6	172.4	346.0				70. 40.	4.6 40.0	4.1	.20	.01
377.0	172.7	345.0				84. 40.				
377.0	172.7	345.0				74. 40.	10.8 40.0	9.4	.20	.03
385.1	172.8	343.9				70. 40.	15.3 40.0	13.4	.19	.05
388.3	173.0	342.9				60. 40.	26.1 40.0	23.0	.19	.08



DATA READ COMPLETED - CARDS = 231  
 POINTS = 230 MAX DDH DEPTH = 560.1 METERS  
 MAX BOREHOLE DEPTH = 555.6 METERS  
 EASTING: 0.0 25.3 METERS  
 NORTHING: -22.6 0.4 METERS  
 TYPE C DATA (CONTACTS) ----- 60  
 TYPE P DATA (PLACEMENTS) ----- 120  
 TYPE Q DATA (SAMPLES) ----- 0  
 TYPE S DATA (SYMMETRY) ----- 0  
 TYPE A DATA (SAMPLE MARKERS) ----- 28  
 TYPE V DATA (ASSAY VALUES) ----- 0

GEOLOGICAL CONTACTS

DDH METERS	Z-ANG	AZ	SEG METERS	RKUNIT	DDH METERS	Z-ANG	AZ	SEG METERS	RKUNIT	DDH METERS	Z-ANG	AZ	SEG METERS	RKUNIT	DDH METERS	Z-ANG	AZ	SEG METERS	RKUNIT
1	39.9	01	16	232.5	16	232.5	16	32	309.3	32	540	47	370.5	47	503				
2	48.9	02	50	17	237.2	17	500	35	309.4	33	540	48	380.6	48	540				
3	46.2	03	00	18	242.8	18	500	34	312.7	34	540	49	389.9	49	540				
4	51.0	04	50	20	247.6	20	500	35	313.0	35	540	50	391.5	50	540				
5	51.5	05	50	20	257.6	20	500	36	315.5	36	540	51	394.1	51	540				
6	138.5	06	50	21	256.0	21	500	37	315.8	37	540	52	399.4	52	540				
7	182.4	07	50	22	254.1	22	500	38	324.1	38	540	53	399.5	53	540				
8	145.4	08	50	23	267.3	23	540	39	327.4	39	540	54	413.3	54	540				
9	146.5	09	50	24	272.1	24	500	40	326.8	40	540	55	416.0	55	540				
10	159.7	10	50	25	276.2	25	500	41	327.1	41	540	56	421.1	56	540				
11	160.1	11	50	26	279.8	26	500	42	328.3	42	540	57	424.3	57	540				
12	139.5	12	50	27	282.5	27	500	43	327.9	43	540	58	429.6	58	540				
13	220.4	13	50	28	285.4	28	500	44	328.1	44	540	59	437.2	59	540				
14	221.9	14	50	29	286.8	29	500	45	327.5	45	503	60	503.1	60	540				
15	224.5	15	30	290.8	30	500													

PROGRAM COMMAND: PLOTS,1000,010

\*\*\*\*\* DDH: 80-S-04 \*\*\*\*\*  
 \* DDH: 80-S-04 \* START PLOT NUMBER 1  
 \*\*\*\*\*  
 PLOT-B -- TRACE, LITHOLOGY, STRUCTURE, & SYMMETRY  
 PROJECTION PLANE BEARS 10. DEGREES -- VIEW AZIMUTH: 280. DEGREES  
 PLOT SCALE IS AT A RATIO OF: 1:1000. = 25.4 METERS/INCH  
 X-AXIS PLOT LIMITS: -1.50 = 2.30 (INCHES)  
 Y-AXIS BOREHOLE LENGTH: 21.88 (INCHES)  
 BOREHOLE LIMITS FOR PLOTTING: 0. = 560.1 METERS J = 1 - 230  
 MAX PAPER WIDTH REQUIRED: 25.0 INCHES

\*\*\*\*\* DDH: 80-S-04 \*\*\*\*\* ANALYSIS OF STRUCTURE DATA FOR PLANES: S1 AND S2

PROJECTION PLANE AZIMUTH = 10.0 VIEW AZIMUTH = 280.0

DDH METERS	Z-ANG	AZ	S1 PLANE (NOT PLOTTED)				S2 PLANE (PLOTTED)				PLOT PARAMETERS		
			OBSERVED CA DIPP	CALCULATED DIP	DIP	AP-DIP	OBSERVED CA DIPP	CALCULATED DIP	DIP	AP-DIP	H	V	
42.1	178.4	69.9					78.0	0.	11.9	0.	11.7	-20	-04
46.7	178.2	77.5					81.0	0.	12.9	0.	12.7	-19	-07
47.4	178.2	78.7					80.0	0.	9.9	0.	9.7	-20	-03
51.0	178.1	86.7					85.0	0.	24.9	0.	24.6	-19	-02
57.6	177.7	90.4					80.0	0.	9.4	0.	9.0	-20	-03
62.4	177.3	92.9					73.0	0.	16.8	0.	16.0	-19	-08
66.6	177.0	97.2					80.0	0.	9.6	0.	9.4	-20	-03
70.6	176.7	97.2					80.0	0.	9.5	0.	9.3	-20	-03
77.0	176.2	100.6					79.0	0.	11.4	0.	11.3	-19	-06
81.6	175.9	103.0					72.0	0.	18.5	0.	18.2	-19	-06
85.4	175.6	105.0					70.0	0.	11.3	0.	11.1	-20	-04
89.4	175.2	107.9					83.0	0.	5.5	0.	5.4	-20	-02
90.8	175.2	107.9					82.0	0.	10.2	0.	10.1	-19	-05
95.7	174.8	115.4					77.0	0.	14.0	0.	13.8	-19	-05
102.5	174.5	111.9					76.0	0.	15.1	0.	14.9	-19	-05
106.0	174.3	111.8					83.0	0.	5.1	0.	5.0	-20	-02
109.1	174.3	111.8					82.0	0.	9.4	0.	9.3	-20	-03
112.1	174.2	111.8					81.0	0.	10.6	0.	10.4	-20	-04
115.2	174.1	111.8					81.0	0.	9.3	0.	9.2	-20	-03
123.3	174.0	111.6											
127.4	173.8	111.5											
127.4	173.8	111.5					80.0	0.	10.5	0.	10.3	-20	-04
130.4	173.6	111.5					85.0	0.	4.5	0.	4.4	-20	-02
133.5	173.4	111.4											
137.3	173.4	111.4					85.0	0.					
137.3	173.4	111.4											
142.6	173.4	111.3					83.0	0.	4.2	0.	4.2	-20	-01
142.6	173.4	111.3					85.0	0.					
146.6	173.3	111.2					80.0	0.	10.3	0.	10.1	-20	-04
149.5	173.4	111.5					85.0	0.					
147.6	173.3	111.2											
151.1	173.2	111.1					83.0	0.	3.9	0.	3.8	-20	-01
154.9	173.1	111.1					85.0	0.					
157.8	173.0	111.0											
157.8	173.0	111.0					80.0	0.	10.1	0.	9.9	-20	-03
167.0	172.9	111.2					85.0	0.					
167.0	172.7	111.8											
172.0	172.6	112.2					74.0	0.	17.3	0.	17.1	-19	-06
173.1	172.5	112.5					74.0	0.	17.4	0.	17.2	-19	-06
178.2	172.3	113.1					85.0	0.					
185.3	172.0	113.9											
185.3	172.0	113.9					79.0	0.	11.5	0.	11.3	-20	-04
188.4	171.9	114.2					83.0	0.	2.3	0.	2.3	-20	-01
191.6	171.8	114.6											

\*\*\*\*\* DDH: 80-S-04 \*\*\*\*\* ANALYSIS OF STRUCTURE DATA FOR PLANES: S1 AND S2

PROJECTION PLANE AZIMUTH = 10.0 VIEW AZIMUTH = 280.0

DDH METERS	Z-ANG	AZ	S1 PLANE (NOT PLOTTED)				S2 PLANE (PLOTTED)				PLOT PARAMETERS		
			OBSERVED CA DIPP	CALCULATED DIP	DIP	AP-DIP	OBSERVED CA DIPP	CALCULATED DIP	DIP	AP-DIP	H	V	
196.6	171.6	115.2					82.0	0.	4.4	0.	4.3	-20	-02
200.5	171.4	115.6											
205.5	171.3	115.2					78.0	0.	15.0	0.	14.8	-20	-04
205.5	171.2	116.2					80.0	0.	10.1	0.	9.9	-20	-03
209.7	171.1	116.6					75.0	0.	16.8	0.	16.5	-20	-03
213.7	170.9	116.9					80.0	0.	3.9	0.	3.8	-20	-01
221.9	170.6	118.0					82.0	0.	3.9	0.	3.8	-20	-01
230.7	170.4	118.5					74.0	0.	22.2	0.	21.8	-19	-07
240.5	170.4	118.5					50.0	0.	43.1	0.	42.6	-18	-14
247.8	170.3	118.6					79.0	0.	18.7	0.	18.3	-17	-10
259.1	170.1	119.7					80.0	0.	4.0	0.	4.0	-20	-00
265.7	170.0	119.7					80.0	0.	29.0	0.	28.2	-18	-09
273.7	169.9	109.3					62.0	0.	29.6	0.	29.3	-17	-10
279.8	169.8	108.3					73.0	0.	17.5	0.	17.3	-19	-06
285.9	169.8	108.6					80.0	0.	4.5	0.	4.4	-20	-00
290.8	169.8	109.4					80.0	0.	10.1	0.	9.8	-20	-01
293.8	169.8	109.6					78.0	0.	11.1	0.	10.9	-20	-02
301.2	169.9	110.9					80.0	0.	18.7	0.	18.3	-17	-10
305.7	169.9	111.6					50.0	0.	63.4	0.	63.0	-19	-07
309.1	169.9	111.6					40.0	0.	53.2	0.	52.8	-19	-08
310.0	169.9	112.2					74.0	0.	14.4	0.	14.2	-19	-06
312.5	169.9	112.2					75.0	0.	15.9	0.	15.5	-19	-05
315.9	169.9	112.8					63.0	0.	29.7	0.	29.3	-17	-10
317.9	169.9	113.2					85.0	0.	24.4	0.	24.1	-18	-09
324.0	169.9	114.3					63.0	0.	29.7	0.	29.3	-17	-10
331.6	170.0	115.4					75.0	0.	16.4	0.	16.2	-19	-06
335.8	170.0	115.6					65.0	0.	27.9	0.	27.5	-19	-09
337.4	170.0	116.2					79.0	0.	15.3	0.	15.1	-20	-01
340.4	170.0	116.8					70.0	0.	22.6	0.	22.3	-19	-08
344.1	170.0	117.0					83.0	0.	30.2	0.	29.8	-17	-10
346.8	170.0	116.9											
350.9	170.0	116.9											
350.9	170.0	116.9					80.0	0.	9.1	0.	9.1	-20	-00
354.8	170.0	116.6					85.0	0.	4.1	0.	4.0	-20	-03
356.5	170.0	116.6					68.0	0.	24.7	0.	24.4	-19	-08
361.8	170.1	116.7					65.0	0.	28.0	0.	27.6	-18	-09
366.1	170.1	116.6					58.0	0.	35.3	0.	34.9	-18	-11
369.8	170.1	116.6					43.0	0.	50.8	0.	50.4	-16	-15

\*\*\*\*\* PLOT NUMBER 1 FINISHED \*\*\*\*\*

PROGRAM COMMAND: PLOTS,1000,100

\*\*\*\*\* DDH: 80-S-04 \*\*\*\*\*  
 \* DDH: 80-S-04 \* START PLOT NUMBER 2  
 \*\*\*\*\*  
 PLOT-B -- TRACE, LITHOLOGY, STRUCTURE, & SYMMETRY  
 PROJECTION PLANE BEARS 100. DEGREES -- VIEW AZIMUTH: 10. DEGREES  
 PLOT SCALE IS AT A RATIO OF: 1:1000. = 25.4 METERS/INCH  
 X-AXIS PLOT LIMITS: -1.50 = 2.30 (INCHES)  
 Y-AXIS BOREHOLE LENGTH: 21.88 (INCHES)  
 BOREHOLE LIMITS FOR PLOTTING: 0. = 560.1 METERS J = 1 - 230  
 MAX PAPER WIDTH REQUIRED: 25.0 INCHES

\*\*\*\*\* DDH: 80-S-04 \*\*\*\*\* ANALYSIS OF STRUCTURE DATA FOR PLANES: S1 AND S2

PROJECTION PLANE AZIMUTH = 100.0 VIEW AZIMUTH = 10.0

DDH METERS	Z-ANG	AZ	S1 PLANE (NOT PLOTTED)				S2 PLANE (PLOTTED)			
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80-SD-1

TETRAD PLOT ROUTINES...FIELDATA VERSION APR/1979

\*\*\*\*\* PLOT OF CORRECTED DRILLHOLE DATA FILE: 80SD1.TD

\*\*\*\*\* DDH: 80-SD-1 \*\*\*\*\*  
DATA READ COMPLETED -- CARDS = 309  
POINTS SUB MAX DDH DEPTH = 762.6 METERS  
MAX TRUE DEPTH = 759.0 METERS  
EASTING: 0.0 0 METERS  
NORTHING: 0.0 0 METERS

TYPE 0 DATA (CONTACT) --- 07  
TYPE 1 DATA (PLANES) --- 103  
TYPE 2 DATA (SYMMETRY) --- 103  
TYPE 3 DATA (SYMMETRY) --- 103  
TYPE 4 DATA (SAMPLE MARKERS) 0  
TYPE 5 DATA (ASSAY VALUES) 0

GEOLOGICAL CONTACTS

SEQ	DDH	METERS	RKUNIT	SEQ	DDH	METERS	RKUNIT	SEQ	DDH	METERS	RKUNIT	SEQ	DDH	METERS	RKUNIT
0	50.0	01	500	69	208.5	59	540	82	351.8	53	540	85	504.1	83	340
1	50.0	02	500	70	208.5	59	540	83	351.8	53	540	86	504.1	83	340
2	50.0	03	500	71	208.5	59	540	84	351.8	53	540	87	504.1	83	340
3	50.0	04	500	72	208.5	59	540	85	351.8	53	540	88	504.1	83	340
4	50.0	05	500	73	208.5	59	540	86	351.8	53	540	89	504.1	83	340
5	50.0	06	500	74	208.5	59	540	87	351.8	53	540	90	504.1	83	340
6	50.0	07	500	75	208.5	59	540	88	351.8	53	540	91	504.1	83	340
7	50.0	08	500	76	208.5	59	540	89	351.8	53	540	92	504.1	83	340
8	50.0	09	500	77	208.5	59	540	90	351.8	53	540	93	504.1	83	340
9	50.0	10	500	78	208.5	59	540	91	351.8	53	540	94	504.1	83	340
10	50.0	11	500	79	208.5	59	540	92	351.8	53	540	95	504.1	83	340
11	50.0	12	500	80	208.5	59	540	93	351.8	53	540	96	504.1	83	340
12	50.0	13	500	81	208.5	59	540	94	351.8	53	540	97	504.1	83	340
13	50.0	14	500	82	208.5	59	540	95	351.8	53	540	98	504.1	83	340
14	50.0	15	500	83	208.5	59	540	96	351.8	53	540	99	504.1	83	340
15	50.0	16	500	84	208.5	59	540	97	351.8	53	540	100	504.1	83	340
16	50.0	17	500	85	208.5	59	540	98	351.8	53	540	101	504.1	83	340
17	50.0	18	500	86	208.5	59	540	99	351.8	53	540	102	504.1	83	340
18	50.0	19	500	87	208.5	59	540	100	351.8	53	540	103	504.1	83	340
19	50.0	20	500	88	208.5	59	540	101	351.8	53	540	104	504.1	83	340
20	50.0	21	500	89	208.5	59	540	102	351.8	53	540	105	504.1	83	340
21	50.0	22	500	90	208.5	59	540	103	351.8	53	540	106	504.1	83	340
22	50.0	23	500	91	208.5	59	540	104	351.8	53	540	107	504.1	83	340
23	50.0	24	500	92	208.5	59	540	105	351.8	53	540	108	504.1	83	340
24	50.0	25	500	93	208.5	59	540	106	351.8	53	540	109	504.1	83	340
25	50.0	26	500	94	208.5	59	540	107	351.8	53	540	110	504.1	83	340
26	50.0	27	500	95	208.5	59	540	108	351.8	53	540	111	504.1	83	340
27	50.0	28	500	96	208.5	59	540	109	351.8	53	540	112	504.1	83	340
28	50.0	29	500	97	208.5	59	540	110	351.8	53	540	113	504.1	83	340
29	50.0	30	500	98	208.5	59	540	111	351.8	53	540	114	504.1	83	340
30	50.0	31	500	99	208.5	59	540	112	351.8	53	540	115	504.1	83	340
31	50.0	32	500	100	208.5	59	540	113	351.8	53	540	116	504.1	83	340
32	50.0	33	500	101	208.5	59	540	114	351.8	53	540	117	504.1	83	340
33	50.0	34	500	102	208.5	59	540	115	351.8	53	540	118	504.1	83	340
34	50.0	35	500	103	208.5	59	540	116	351.8	53	540	119	504.1	83	340
35	50.0	36	500	104	208.5	59	540	117	351.8	53	540	120	504.1	83	340
36	50.0	37	500	105	208.5	59	540	118	351.8	53	540	121	504.1	83	340
37	50.0	38	500	106	208.5	59	540	119	351.8	53	540	122	504.1	83	340
38	50.0	39	500	107	208.5	59	540	120	351.8	53	540	123	504.1	83	340
39	50.0	40	500	108	208.5	59	540	121	351.8	53	540	124	504.1	83	340
40	50.0	41	500	109	208.5	59	540	122	351.8	53	540	125	504.1	83	340
41	50.0	42	500	110	208.5	59	540	123	351.8	53	540	126	504.1	83	340
42	50.0	43	500	111	208.5	59	540	124	351.8	53	540	127	504.1	83	340
43	50.0	44	500	112	208.5	59	540	125	351.8	53	540	128	504.1	83	340
44	50.0	45	500	113	208.5	59	540	126	351.8	53	540	129	504.1	83	340
45	50.0	46	500	114	208.5	59	540	127	351.8	53	540	130	504.1	83	340
46	50.0	47	500	115	208.5	59	540	128	351.8	53	540	131	504.1	83	340
47	50.0	48	500	116	208.5	59	540	129	351.8	53	540	132	504.1	83	340
48	50.0	49	500	117	208.5	59	540	130	351.8	53	540	133	504.1	83	340
49	50.0	50	500	118	208.5	59	540	131	351.8	53	540	134	504.1	83	340
50	50.0	51	500	119	208.5	59	540	132	351.8	53	540	135	504.1	83	340
51	50.0	52	500	120	208.5	59	540	133	351.8	53	540	136	504.1	83	340
52	50.0	53	500	121	208.5	59	540	134	351.8	53	540	137	504.1	83	340
53	50.0	54	500	122	208.5	59	540	135	351.8	53	540	138	504.1	83	340
54	50.0	55	500	123	208.5	59	540	136	351.8	53	540	139	504.1	83	340
55	50.0	56	500	124	208.5	59	540	137	351.8	53	540	140	504.1	83	340
56	50.0	57	500	125	208.5	59	540	138	351.8	53	540	141	504.1	83	340
57	50.0	58	500	126	208.5	59	540	139	351.8	53	540	142	504.1	83	340
58	50.0	59	500	127	208.5	59	540	140	351.8	53	540	143	504.1	83	340
59	50.0	60	500	128	208.5	59	540	141	351.8	53	540	144	504.1	83	340
60	50.0	61	500	129	208.5	59	540	142	351.8	53	540	145	504.1	83	340
61	50.0	62	500	130	208.5	59	540	143	351.8	53	540	146	504.1	83	340
62	50.0	63	500	131	208.5	59	540	144	351.8	53	540	147	504.1	83	340
63	50.0	64	500	132	208.5	59	540	145	351.8	53	540	148	504.1	83	340
64	50.0	65	500	133	208.5	59	540	146	351.8	53	540	149	504.1	83	340
65	50.0	66	500	134	208.5	59	540	147	351.8	53	540	150	504.1	83	340
66	50.0	67	500	135	208.5	59	540	148	351.8	53	540	151	504.1	83	340
67	50.0	68	500	136	208.5	59	540	149	351.8	53	540	152	504.1	83	340
68	50.0	69	500	137	208.5	59	540	150	351.8	53	540	153	504.1	83	340
69	50.0	70	500	138	208.5	59	540	151	351.8	53	540	154	504.1	83	340
70	50.0	71	500	139	208.5	59	540	152	351.8	53	540	155	504.1	83	340
71	50.0	72	500	140	208.5	59	540	153	351.8	53	540	156	504.1	83	340
72	50.0	73	500	141	208.5	59	540	154	351.8	53	540	157	504.1	83	340
73	50.0	74	500	142	208.5	59	540	155	351.8	53	540	158	504.1	83	340
74	50.0	75	500	143	208.5	59	540	156	351.8	53	540	159	504.1	83	340
75	50.0	76	500	144	208.5	59	540	157	351.8	53	540	160	504.1	83	340
76	50.0	77	500	145	208.5	59	540	158	351.8	53	540	161	504.1	83	340
77	50.0	78	500	146	208.5	59	540	159	351.8	53	540	162	504.1	83	340
78	50.0	79	500	147	208.5	59	540	160	351.8	53	540	163	504.1	83	340
79	50.0	80	500	148	208.5	59	540	161	351.8	53	540	164	504.1	83	340
80	50.0	81	500	149	208.5	59	540	162	351.8	53	540	165	504.1	83	340
81	50.0	82	500	150	208.5	59	540	163	351.8	53	540	166	504.1	83	340

PROGRAM COMMAND: PLOTS,1000,030

\*\*\*\*\* START PLOT NUMBER 1 \*\*\*\*\*  
PROJ-B -- TRACE, LITHOLOGY, STRUCTURE, & SYMMETRY  
PROJECTION PLANE BEARS 30. DEGREES -- VIEW AZIMUTH: 300. DEGREES  
PLOT SCALE IS AT A RATIO OF 1:1000. = 25.4 METERS/INCH  
X-AXIS PLOT LIMITS: 0. - 4.89 (INCHES)  
Y-AXIS BOREHOLE LENGTH: 29.53 (INCHES)  
BOREHOLE LIMITS FOR PLOTTING: 0. - 762.6 METERS J = 1 - 308  
MAX PAPER WIDTH REQUIRED: 33.5 INCHES  
X DIMENSION OF PLOT = 11.4 Y DIMENSION OF PLOT = 33.5 ROTATION = F

\*\*\*\*\* DDH: 80-SD-1 \*\*\*\*\* ANALYSIS OF STRUCTURE DATA FOR S2 PLANES: BEDDING

PROJECTION PLANE AZIMUTH = 30.0 VIEW AZIMUTH = 300.0

DDH METERS	Z-ANG	AZ	OBSERVED CA DIPP	CALCULATED DIP DIPP	AP-DIP	H	V
75.0	173.8	10.3	67. 183.	29.1 183.0	-26.4	18	.09
80.6	173.4	7.9	76. 183.	50.6 183.0	-18.2	19	.06
87.0	173.3						