

III. NORMS (CIPW WITH IRVINE AND BARRAGAR [1971] CORRECTIONS)¹

Hole	Core Sect. Piece	Interval (cm)	Ab	An	Qz	Or	Ne	Ol	Di	Hy	Ilm	Ap	Ma
407	33-1		21.99	22.14	6.21	3.32	0.00	0.00	18.02	14.85	5.95	0.76	6.76
407	35-1#4	42-44	24.53	20.77	6.36	3.20	0.00	0.00	17.49	11.55	7.44	0.83	7.85
407	36-3#1c	60-62	21.02	29.59	0.00	1.01	0.00	2.06	22.83	15.61	3.04	0.31	4.51
407	37-1#13	110-112	21.10	25.52	3.08	2.11	0.00	0.00	21.26	15.78	4.88	0.73	5.54
407	38-2#17	148-150	23.41	25.00	2.19	1.39	0.00	0.00	22.93	12.12	5.73	0.64	6.59
407	39-1#4	49-51	21.36	24.36	2.99	2.29	0.00	0.00	23.48	12.74	5.58	0.73	6.47
407	39-2#6	59-61	20.86	24.41	0.64	1.50	0.00	0.00	22.99	17.01	5.48	0.75	6.38
407	39-3#4	41-43	23.57	22.46	2.04	1.81	0.00	0.00	24.29	13.17	5.51	0.76	6.42
407	41-1#3	16-20	19.41	23.31	3.91	4.73	0.00	0.00	23.39	12.59	5.51	0.72	6.44
407	42-1	87-89	21.51	23.30	2.84	2.11	0.00	0.00	23.55	13.96	5.55	0.73	6.45
407	44-1	17-19	20.02	26.37	0.00	4.59	0.00	6.91	24.19	7.61	4.17	0.74	5.40
407	45-1	69-71	21.77	30.97	1.46	1.95	0.00	0.00	13.46	19.71	4.42	0.63	5.62
407	45-2	40-42	22.17	26.67	0.00	3.49	0.00	3.14	24.95	9.18	4.23	0.73	5.44
407	45-3#11	115-120	22.61	29.34	0.00	1.13	0.00	0.65	17.97	18.33	4.12	0.51	5.34
407	45-3	122-124	21.30	30.72	0.60	1.14	0.00	0.00	17.80	18.38	4.11	0.60	5.35
407	45-4	53-55	21.46	28.55	1.15	1.62	0.00	0.00	15.91	21.64	3.88	0.62	5.17
407	46-1#5	63-65	21.45	26.07	0.00	3.18	0.00	3.42	25.78	10.74	3.72	0.60	5.05
407	46-2	59-61	21.38	28.09	0.00	1.56	0.00	1.01	16.18	22.33	3.77	0.60	5.08
407	46-3#4a	66-68	6.00	26.31	0.00	3.20	7.22	3.39	44.61	0.00	3.57	0.78	4.94
407	46-4#4	3-5	17.92	29.13	0.00	4.64	1.11	9.25	27.98	0.00	3.97	0.78	5.24
407	47-1#1c	57-59	20.54	29.34	1.32	1.64	0.00	0.00	17.42	19.96	3.91	0.63	5.23
407	47-2#1b	12-15	18.78	28.02	0.47	2.31	0.00	0.00	22.57	18.14	3.83	0.72	5.16
407	47-2#2	73-75	21.37	25.71	0.00	3.77	0.00	5.73	27.11	7.12	3.63	0.58	5.01
407	47-3#2		19.97	29.84	2.57	0.61	0.00	0.00	20.42	16.97	3.85	0.61	5.17
407	47-4#1f	41-47	21.62	26.02	0.00	3.45	0.00	1.19	25.95	12.27	3.77	0.63	5.10
408	35-1#8	108-110	17.56	31.12	0.00	3.52	0.00	0.08	29.72	9.81	3.10	0.53	4.56
408	36-1#10	100-103	20.27	26.35	0.00	4.49	0.11	8.37	32.12	0.00	3.20	0.43	4.67
408	36-1#10b	100-103	17.63	28.29	0.00	2.56	1.06	7.14	35.36	0.00	3.04	0.40	4.52
408	36-2#1b	12-14	11.90	30.52	0.00	3.46	3.90	4.49	37.52	0.00	3.10	0.55	4.56
408	36-3#4	46-49	19.84	28.43	0.00	2.26	0.00	4.03	29.49	7.88	3.09	0.44	4.54
408	36-4#3c	37-40	19.81	26.09	0.00	4.55	1.18	10.32	29.32	0.00	3.38	0.52	4.84
408	36-5#4a	44-47	20.05	28.39	0.00	2.56	0.00	8.58	26.97	6.25	2.65	0.35	4.21
408	37-1#3	30-35	19.90	29.75	0.62	1.42	0.00	0.00	22.83	17.37	3.13	0.44	4.56
408	37-1#5	50-52	20.39	29.31	0.00	1.26	0.00	1.97	22.52	16.76	2.95	0.40	4.45
408	37-1#13	114-120	20.68	29.10	0.00	1.44	0.00	1.49	18.76	20.87	2.90	0.35	4.41
408	37-2#18	128-133	21.27	26.96	0.00	1.61	0.00	1.36	16.55	21.05	4.72	0.68	5.80
408	37-2#18	128-133	24.31	27.08	0.00	1.80	0.00	3.91	14.76	17.71	4.35	0.57	5.52
408	37-3#16	118-122	18.73	31.07	0.10	1.01	0.00	0.00	17.18	22.57	3.75	0.53	5.05
408	38-1#19	119-122	19.09	32.16	0.00	0.54	0.00	3.09	17.06	19.16	3.52	0.49	4.90
408	38-3#19	119-122	19.54	28.70	0.00	0.83	0.00	0.49	19.96	20.53	4.07	0.59	5.29
409	7-6#5	71-75	19.07	29.65	0.72	0.60	0.00	0.00	23.67	19.41	2.53	0.24	4.12
409	7-7#1	3-4	19.18	30.07	2.74	0.53	0.00	0.00	23.96	16.79	2.41	0.31	4.01
409	8-1#13	104-107	18.81	27.10	1.39	1.43	0.00	0.00	27.46	16.07	3.00	0.24	4.48
409	9-1#17	131-135	19.19	27.60	3.53	0.90	0.00	0.00	26.35	15.02	2.79	0.29	4.34
409	9-3#2	17-20	19.12	26.89	1.93	1.08	0.00	0.00	25.68	17.72	2.88	0.31	4.39
409	9-3#2	6-10	20.02	27.05	2.33	1.48	0.00	0.00	25.15	16.47	2.87	0.28	4.36
409	9-3#14	133-135	18.80	29.16	0.89	0.54	0.00	0.00	24.50	19.43	2.43	0.22	4.04
409	10-1#2	10-12	18.61	27.93	0.83	0.59	0.00	0.00	24.48	20.75	2.47	0.28	4.06
409	10-1#2	10-12	20.17	28.87	0.31	0.77	0.00	0.00	22.29	20.87	2.45	0.24	4.04
409	10-2#2	16-20	19.43	29.57	0.46	0.84	0.00	0.00	26.22	16.94	2.31	0.27	3.97
409	10-2#3	22-24	22.67	17.79	6.10	2.35	0.00	0.00	21.17	17.55	5.37	0.67	6.32
409	10-3#4c	69-72	19.45	28.82	0.48	1.18	0.00	0.00	25.82	17.29	2.55	0.31	4.12
409	10-4#9	91-94	18.98	29.47	0.96	0.48	0.00	0.00	23.93	19.53	2.36	0.29	4.00
409	10-5#5	41-44	19.29	30.04	0.82	0.42	0.00	0.00	23.68	18.83	2.52	0.29	4.11
409	10-6#11	130-132	19.03	30.27	0.17	0.48	0.00	0.00	24.37	19.06	2.37	0.24	4.01
409	10-7#1	4-6	18.69	29.23	0.37	0.59	0.00	0.00	24.49	19.97	2.41	0.24	4.02
409	10-8#7	62-64	18.73	28.99	0.58	0.30	0.00	0.00	23.58	20.57	2.72	0.26	4.27
409	11-1#6	61-63	17.67	27.10	0.12	3.42	0.00	0.00	24.78	20.39	2.27	0.37	3.90
409	11-2#8	80-82	18-34	29.16	0.57	0.41	0.00	0.00	23.39	21.59	2.27	0.37	3.90
409	11-3#2f	80-82	18.91	28.64	0.75	0.42	0.00	0.00	24.57	20.24	2.25	0.31	3.92

¹For discussion, see Wood, Varet, et al., this volume.

APPENDIX III – Continued

Hole	Core Sect. Piece	Interval (cm)	Ab	An	Qz	Or	Ne	Oi	Di	Hy	Ilm	Ap	Ma
410A	5-3#4	44-46	24.89	30.24	0.00	3.69	0.00	7.43	18.78	7.21	2.72	0.74	4.30
410A	5-4#12	95-106	18.79	28.57	0.00	5.57	2.05	6.98	30.43	0.00	2.73	0.60	4.28
410A	6-1#17	118-126	25.14	26.99	0.00	4.51	0.35	7.24	26.82	0.00	3.44	0.69	4.83
410A	6-2	122-132	21.53	34.80	0.00	3.25	0.00	12.11	19.12	1.25	2.83	0.73	4.37
410A	6-3#1	2-8	21.48	33.63	0.00	3.43	0.00	10.33	22.83	0.59	2.74	0.67	4.30
411	1-1#4	30-32	16.87	32.39	0.00	0.48	0.00	13.21	21.76	10.48	1.34	0.26	3.22
411	1-7#7	60-62	20.99	30.22	0.00	0.47	0.00	19.88	22.87	0.71	1.38	0.26	3.21
411	1-1#8b	78-82	15.85	33.07	0.00	0.30	0.00	14.44	20.48	11.08	1.35	0.24	3.20
411	11-1#8b	78-82	16.47	33.64	0.00	0.65	0.00	13.38	19.98	11.24	1.31	0.17	3.17
411	2-2#1	2-13	18.18	31.43	0.00	0.35	0.00	16.09	21.59	7.56	1.34	0.26	3.19
411	3-1#8		19.57	36.36	0.56	1.71	0.00	0.00	21.81	14.32	1.84	0.26	3.57
411	3-1#13	96-100	17.57	30.68	0.82	1.60	0.00	0.00	25.84	17.73	1.84	0.35	3.58
411	3-1#18	134-136	19.11	35.43	0.58	1.60	0.00	0.00	22.60	14.97	1.83	0.33	3.57
411	4-1#8	68-70	21.01	34.15	0.00	1.18	0.00	1.05	23.25	13.63	1.81	0.37	3.55
411	5-1#3	22-24	17.40	31.15	1.73	1.49	0.00	0.00	26.22	16.19	1.86	0.35	3.61
411	5-1#3	22-24	19.05	30.65	0.00	1.79	0.00	0.12	25.54	17.20	1.81	0.26	3.58
412	13-1	14-15	18.05	31.84	1.98	0.60	0.00	0.00	23.60	17.75	2.09	0.29	3.80
412	14-CC#1	2-4	18.81	34.09	0.08	1.30	0.00	0.00	26.74	13.31	1.85	0.22	3.59
412	14-CC#4	39-41	18.92	29.97	0.09	1.49	0.00	0.00	25.06	18.45	2.01	0.29	3.73
412	14-CC#4	39-41	19.69	35.81	0.66	1.55	0.00	0.00	22.02	14.43	1.92	0.26	3.66
412	15-1#7	63-65	18.53	32.53	1.72	1.72	0.00	0.00	25.04	14.52	1.97	0.29	3.69
412	15-CC#6	50-53	18.49	31.95	0.00	0.89	0.00	1.12	23.69	18.18	1.83	0.26	3.58
412A	1-1#1	4-6	19.81	29.24	1.83	2.05	0.00	0.00	27.06	13.98	1.99	0.31	3.74
412A	1-1#3	78-82	18.26	30.44	0.00	1.13	0.00	0.68	24.48	18.97	2.01	0.29	3.73
412A	2-1#3	20-22	18.07	32.85	1.14	1.67	0.00	0.00	24.24	16.22	1.88	0.31	3.63
412A	3-1#2	7-9	17.51	31.66	2.27	1.55	0.00	0.00	23.94	16.96	2.08	0.26	3.78
412A	3-1#6	39-41	17.47	34.88	0.85	1.50	0.00	0.00	23.41	16.10	1.89	0.27	3.64
412A	3-1#6	39-41	19.11	34.32	0.40	1.66	0.00	0.00	22.04	16.79	1.84	0.26	3.58
412A	3-1#9	70-80	18.81	33.46	0.00	0.96	0.00	1.32	23.59	16.15	1.84	0.26	3.61
412A	3-2#4b	70-80	14.18	29.94	1.14	1.02	0.00	0.00	24.83	23.11	1.88	0.26	3.64
412A	3-3#3	25-27	19.55	28.27	0.75	2.52	0.00	0.00	23.81	18.17	2.47	0.38	4.09
412A	4-1#3	20-25	18.89	29.55	1.60	1.14	0.00	0.00	22.97	18.95	2.47	0.33	4.09
412A	4-1#5	40-42	18.17	30.66	2.11	1.25	0.00	0.00	22.69	18.64	2.29	0.26	3.93
412A	5-1#5	50-54	19.28	29.20	0.23	1.02	0.00	0.00	24.38	19.81	2.02	0.31	3.75
412A	5-1#10	91-93	19.20	29.56	0.54	1.85	0.00	0.00	25.90	16.54	2.23	0.29	3.89
412A	6-1#6	70-73	18.63	28.96	1.43	0.84	0.00	0.00	26.10	18.34	1.83	0.27	3.61
412A	7-1#1	2-5	18.85	30.01	1.50	0.95	0.00	0.00	25.84	17.07	1.89	0.26	3.63
412A	7-2#7	60-62	18.64	29.10	0.48	1.01	0.00	0.00	25.13	19.85	1.89	0.26	3.64
412A	7-2#7	60-62	20.19	29.12	0.00	1.25	0.00	0.16	24.49	19.08	1.87	0.24	3.61
412A	7-2#12	110-112	18.61	30.70	1.02	1.43	0.00	0.00	27.18	15.22	1.92	0.26	3.66
412A	8-1#17	130-133	18.19	29.70	0.60	1.32	0.00	0.00	25.44	18.93	1.89	0.29	3.65
412A	8-2#4a	35-39	18.61	30.49	0.20	0.89	0.00	0.00	24.63	19.47	1.87	0.22	3.62
412A	9-1#8	61-63	18.51	30.76	0.28	1.49	0.00	0.00	26.03	17.19	1.88	0.22	3.63
412A	10-1#5	47-50	19.84	29.12	0.00	0.77	0.00	0.55	25.68	18.15	1.96	0.24	3.68
412A	11-1#4	32-35	18.22	29.68	0.60	0.71	0.00	0.00	26.54	18.68	1.77	0.26	3.53
412A	11-2#2	17-21	18.37	31.47	0.00	0.71	0.00	0.52	26.11	17.40	1.71	0.22	3.49
412A	12-1#2	8-10	18.69	31.78	0.00	1.25	0.00	1.60	27.59	13.66	1.74	0.20	3.51
412A	13-1#3	20-25	18.81	29.90	1.17	0.66	0.00	0.00	24.89	18.66	1.95	0.29	3.68
412A	13-2#5	55-60	19.02	29.14	0.79	1.07	0.00	0.00	24.86	19.21	1.97	0.26	3.69
412A	13-2#5	55-60	19.11	30.37	1.16	1.31	0.00	0.00	22.92	19.25	1.94	0.26	3.67
412A	13-3#4	31-36	19.34	30.32	0.56	0.60	0.00	0.00	25.19	17.96	2.02	0.27	3.74
412A	14-3#4a	71-75	19.32	28.75	1.52	0.71	0.00	0.00	24.81	19.01	1.95	0.24	3.68
412A	14-4#14	123-125	18.51	31.19	0.53	0.78	0.00	0.00	27.93	15.43	1.79	0.27	3.57
412A	14-5#3	22-29	17.54	31.13	0.66	0.77	0.00	0.00	27.77	16.57	1.75	0.28	3.52
413	1-1#5	38-40	19.37	28.83	0.00	3.21	0.00	6.43	24.23	10.34	2.77	0.53	4.30
413	1-2#14	125-129	19.43	26.68	0.00	2.90	0.00	4.56	21.76	16.60	3.00	0.61	4.46
413	2-1#5	41-43	19.40	27.06	0.00	2.50	0.00	6.81	23.52	13.12	2.79	0.48	4.32
413	3-1#6	46-48	18.46	26.66	0.00	3.67	0.00	4.73	23.34	15.71	2.72	0.44	4.26
413	4-1#9	72-80	19.21	28.88	0.00	1.43	0.00	5.63	23.47	13.90	2.73	0.49	4.28
413	5-1#3	20-22	20.86	33.32	0.00	0.90	0.00	18.80	16.82	4.56	1.35	0.18	3.23