

Data for Mann, L.K. 1986. Changes in soil carbon storage after cultivation. *Soil Science* 142(5):279-288.

<http://cdiac.ornl.gov/programs/CSEQ/terrestrial/mann1986/mann1986.html>

Plot #	Soil taxon	Upper depth		Total C	Total C	C		Years in cultivation	Author	Date of publication
		(cm)	(cm)	uncultivated (km/m ²)	cultivated (km/m ²)	uncultivated (%)	cultivated (%)			
1		0	18	3.18	2.07	1.22	0.76	60	JENNY	1933
2	ALBOLL	0	15	8.94	7.07	5.96	4.16	60	ANDERSON	1949
2	ALBOLL	15	30	7.87	5.24	4.88	2.76	60	ANDERSON	1949
3	ALBOLL	0	15	8.03	5.40	5.03	2.87	30	THOMPSON ET AL	1954
4	ALBOLL	0	15	6.26	4.31	3.50	2.16	30	THOMPSON ET AL	1954
5	ANDEPT	0	15	12.30	10.93	10.80	8.50	2	WOOD	1979
6	ANDEPT	0	15	12.30	9.67	10.80	6.80	4	WOOD	1979
7	AQUALF	0	18	5.06	3.37	2.10	1.30	80	JENNY	1941
8	AQUALF	0	15	1.17	0.83	0.50	0.35	60	SHARPLEY	1983
8	AQUALF	15	30	0.71	0.60	0.30	0.25	60	SHARPLEY	1983
8	AQUALF	30	45	0.53	0.55	0.22	0.23	60	SHARPLEY	1983
8	AQUALF	45	60	0.43	0.36	0.18	0.15	60	SHARPLEY	1983
8	AQUALF	60	75	0.34	0.29	0.14	0.12	60	SHARPLEY	1983
8	AQUALF	75	90	0.36	0.29	0.15	0.12	60	SHARPLEY	1983
9	AQUALF	0	15	3.57	2.58	1.72	1.18	40	SHARPLEY	1983
9	AQUALF	15	30	1.90	2.42	0.84	1.10	40	SHARPLEY	1983
9	AQUALF	30	45	1.56	2.24	0.68	1.01	40	SHARPLEY	1983
9	AQUALF	45	60	1.54	1.79	0.67	0.79	40	SHARPLEY	1983
9	AQUALF	60	75	2.28	1.79	1.03	0.79	40	SHARPLEY	1983
9	AQUALF	75	90	2.61	1.75	1.20	0.77	40	SHARPLEY	1983
10	AQUALF	0	15	5.00	2.06	2.60	0.92	30	THOMPSON ET AL	1954
11	AQUEPT	0	17	15.95	10.06	6.70	3.70	30	MARTEL & DESCH	1976
11	AQUEPT	17	33	1.28	1.82	0.42	0.57	30	MARTEL & DESCH	1976
12	AQUEPT	0	10	7.37	6.43	8.68	6.78	35	COOTE & RAMSEY	1983
12	AQUEPT	10	20	7.34	6.14	8.62	6.26	35	COOTE & RAMSEY	1983
12	AQUEPT	20	30	7.23	5.48	8.37	5.22	35	COOTE & RAMSEY	1983
13	AQUOLL	0	15	8.58	5.94	5.58	3.26	16	DORMAAR	1979
14	AQUOLL	0	15	12.35	10.85	10.90	8.38	60	ANDERSON	1949
14	AQUOLL	15	30	9.48	9.47	6.58	6.56	60	ANDERSON	1949
15	AQUOLL	0	15	7.70	5.22	4.72	2.75	60	SHARPLEY	1983
15	AQUOLL	15	30	2.92	5.24	1.36	2.76	60	SHARPLEY	1983
15	AQUOLL	30	45	2.28	2.26	1.03	1.02	60	SHARPLEY	1983
15	AQUOLL	45	60	1.34	1.23	0.58	0.53	60	SHARPLEY	1983
15	AQUOLL	60	75	1.12	0.92	0.48	0.39	60	SHARPLEY	1983
16	AQUOLL	0	15	7.57	4.21	4.60	2.10	80	SHARPLEY	1983
16	AQUOLL	15	30	5.64	3.73	3.04	1.81	80	SHARPLEY	1983
16	AQUOLL	30	45	3.95	2.46	1.94	1.12	80	SHARPLEY	1983
16	AQUOLL	45	60	2.69	1.28	1.24	0.55	80	SHARPLEY	1983
16	AQUOLL	60	75	1.56	0.67	0.68	0.28	80	SHARPLEY	1983
16	AQUOLL	75	90	0.81	0.39	0.34	0.16	80	SHARPLEY	1983
17	AQUOLL	0	15	6.40	5.01	3.61	2.61	30	THOMPSON ET AL	1954
18	AQUOLL	0	15	7.39	6.54	4.44	3.72	30	THOMPSON ET AL	1954
19	AQUOLL	0	15	7.44	5.00	4.48	2.60	30	THOMPSON ET AL	1954
20	AQUOLL	0	15	12.03	8.39	10.30	5.38	30	THOMPSON ET AL	1954
21	AQUOLL	0	15	8.00	6.40	5.00	3.61	30	THOMPSON ET AL	1954
22	ARGID	0	23	3.59	2.32	1.06	0.66	22	CHANG	1950
23	ARGID	0	30	1.50	2.59	0.31	0.56	10	STEWART & HIRST	1914
23	ARGID	30	61	2.12	2.31	0.44	0.48	10	STEWART & HIRST	1914
24	ARIDISOL	0	30	1.57	1.06	0.33	0.22	4	REINBORN & AVNIME	1974
24	ARIDISOL	30	60	1.48	0.39	0.31	0.08	4	REINBORN & AVNIME	1974
24	ARIDISOL	60	90	1.29	0.44	0.27	0.09	4	REINBORN & AVNIME	1974
25	ARIDISOL	0	30	3.54	1.80	0.78	0.38	23	REINBORN & AVNIME	1974
25	ARIDISOL	30	60	1.93	1.24	0.41	0.26	23	REINBORN & AVNIME	1974
25	ARIDISOL	60	90	1.61	0.58	0.34	0.12	23	REINBORN & AVNIME	1974
26	ARIDISOL	0	30	2.29	2.33	0.49	0.50	25	REINBORN & AVNIME	1974
26	ARIDISOL	30	60	1.48	1.75	0.31	0.37	25	REINBORN & AVNIME	1974
26	ARIDISOL	60	90	1.66	0.87	0.35	0.18	25	REINBORN & AVNIME	1974
27	ARIDISOL	0	30	1.06	2.25	0.22	0.48	30	REINBORN & AVNIME	1974
27	ARIDISOL	30	60	1.38	2.25	0.29	0.48	30	REINBORN & AVNIME	1974
28	BORALF	0	15	5.07	5.31	2.65	2.81	20	NEWTON ET AL	1945
28	BORALF	15	30	1.87	2.08	0.83	0.93	20	NEWTON ET AL	1945
29	BORALF	0	15	5.07	6.05	2.65	3.34	5	NEWTON ET AL	1945
29	BORALF	15	30	1.87	1.73	0.83	0.76	5	NEWTON ET AL	1945
30	BORALF	0	15	10.02	7.62	7.25	4.64	19	NEWTON ET AL	1945
30	BORALF	15	30	2.79	2.77	1.29	1.28	19	NEWTON ET AL	1945
31	BORALF	0	15	10.02	7.04	7.25	4.13	5	NEWTON ET AL	1945
31	BORALF	15	30	2.79	3.27	1.29	1.55	5	NEWTON ET AL	1945
32	BORALF	0	15	5.13	2.84	2.69	1.32	14	NEWTON ET AL	1945
32	BORALF	15	30	1.83	1.26	0.81	0.54	14	NEWTON ET AL	1945
33	BORALF	0	15	5.13	2.94	2.69	1.37	14	NEWTON ET AL	1945
33	BORALF	15	30	1.83	1.23	0.81	0.53	14	NEWTON ET AL	1945
34	BORALF	0	15	5.22	2.99	2.75	1.40	14	NEWTON ET AL	1945
34	BORALF	15	30	1.98	1.56	0.88	0.68	14	NEWTON ET AL	1945
35	BORALF	0	15	5.22	3.05	2.75	1.43	14	NEWTON ET AL	1945
35	BORALF	15	30	0.65	1.47	0.27	0.64	14	NEWTON ET AL	1945
36	BORALF	0	15	4.36	3.74	2.19	1.82	15	NEWTON ET AL	1945

36	BORALF	15	30	1.58	1.52	0.69	0.66	15	NEWTON ET AL	1945
37	BORALF	0	15	4.13	4.00	2.05	1.97	5	NEWTON ET AL	1945
37	BORALF	15	30	1.60	1.58	0.70	0.69	5	NEWTON ET AL	1945
38	BORALF	0	15	4.26	3.62	2.13	1.75	11	NEWTON ET AL	1945
38	BORALF	15	30	1.75	1.67	0.77	0.73	11	NEWTON ET AL	1945
39	BORALF	0	15	2.84	1.90	1.32	0.84	24	NEWTON ET AL	1945
39	BORALF	15	30	1.32	1.21	0.57	0.52	24	NEWTON ET AL	1945
40	BORALF	0	15	5.04	3.47	2.63	1.66	21	NEWTON ET AL	1945
40	BORALF	15	30	2.86	2.10	1.33	0.94	21	NEWTON ET AL	1945
41	BORALF	0	15	5.84	5.03	3.19	2.62	11	NEWTON ET AL	1945
41	BORALF	15	30	2.02	1.77	0.90	0.78	11	NEWTON ET AL	1945
42	BORALF	0	15	5.03	3.50	2.62	1.68	7	NEWTON ET AL	1945
42	BORALF	15	30	1.94	1.39	0.86	0.60	7	NEWTON ET AL	1945
43	BORALF	0	15	3.73	3.41	1.81	1.63	3	NEWTON ET AL	1945
43	BORALF	15	30	1.52	1.60	0.66	0.70	3	NEWTON ET AL	1945
44	BORALF	0	15	5.21	5.83	2.74	3.18	14	NEWTON ET AL	1945
44	BORALF	15	30	1.87	2.04	0.83	0.91	14	NEWTON ET AL	1945
45	BORALF	0	20	5.62	4.19	2.10	1.48	80	RUBILIN & DOLOTOV	1967
45	BORALF	20	38	2.57	2.97	0.96	1.13	80	RUBILIN & DOLOTOV	1967
45	BORALF	38	53	1.58	1.81	0.69	0.80	80	RUBILIN & DOLOTOV	1967
46	BORALF	0	50	11.08	3.14	1.58	0.40	80	RUBILIN & DOLOTOV	1967
46	BORALF	50	100	2.99	0.97	0.38	0.12	80	RUBILIN & DOLOTOV	1967
47	BORALF	0	50	7.07	4.04	0.95	0.52	80	RUBILIN & DOLOTOV	1967
47	BORALF	50	100	2.46	1.29	0.31	0.16	80	RUBILIN & DOLOTOV	1967
48	BORALF	0	12	4.60	2.23	3.12	1.29	80	RUBILIN & DOLOTOV	1967
48	BORALF	12	31	4.68	2.08	1.79	0.72	80	RUBILIN & DOLOTOV	1967
48	BORALF	31	50	2.63	1.05	0.93	0.35	80	RUBILIN & DOLOTOV	1967
48	BORALF	50	60	0.79	0.46	0.51	0.29	80	RUBILIN & DOLOTOV	1967
49	BORALF	0	15	3.45	3.18	1.65	1.50	80	RUBILIN & DOLOTOV	1967
49	BORALF	15	30	1.52	3.68	0.66	1.78	80	RUBILIN & DOLOTOV	1967
49	BORALF	30	56	1.44	4.60	0.35	1.22	80	RUBILIN & DOLOTOV	1967
50	BORALF	0	15	3.16	1.75	1.49	0.77	45	CAMPBELL & SOUSTE	1982
51	BORALF	0	15	5.29	2.00	2.80	0.89	45	CAMPBELL & SOUSTE	1982
52	BORALF	0	15	5.99	3.92	3.30	1.92	45	CAMPBELL & SOUSTE	1982
53	BOROLL	0	15	5.28	3.01	2.79	1.41	20	DORMAAR	1979
54	BOROLL	0	15	6.42	3.07	3.63	1.44	65	DORMAAR	1979
55	BOROLL	0	9	4.77	2.64	5.70	2.55	70	VORONEY & AL	1981
55	BOROLL	9	25	5.04	3.02	2.48	1.45	70	VORONEY & AL	1981
55	BOROLL	25	39	1.19	0.99	0.57	0.50	70	VORONEY & AL	1981
55	BOROLL	39	49	0.85	0.41	0.57	0.27	70	VORONEY & AL	1981
56	BOROLL	0	13	8.15	4.02	5.65	2.64	70	VORONEY & AL	1981
56	BOROLL	13	34	4.51	2.98	1.59	1.03	70	VORONEY & AL	1981
56	BOROLL	34	44	1.22	1.12	0.86	0.76	70	VORONEY & AL	1981
56	BOROLL	44	59	1.21	1.13	0.55	0.50	70	VORONEY & AL	1981
56	BOROLL	59	69	0.39	0.42	0.26	0.27	70	VORONEY & AL	1981
57	BOROLL	0	13	8.32	4.92	6.04	3.13	70	VORONEY & AL	1981
57	BOROLL	13	22	2.21	1.92	1.92	1.62	70	VORONEY & AL	1981
57	BOROLL	22	39	2.23	2.85	0.90	1.14	70	VORONEY & AL	1981
57	BOROLL	39	47	0.90	0.40	0.76	0.32	70	VORONEY & AL	1981
57	BOROLL	47	57	0.45	0.29	0.28	0.19	70	VORONEY & AL	1981
58	BOROLL	0	13	4.80	3.45	2.97	1.96	50	DORMAAR & PITTMAN	1980
59	BOROLL	0	13	4.80	2.83	2.97	1.55	50	DORMAAR & PITTMAN	1980
60	BOROLL	0	13	4.80	2.61	2.97	1.41	50	DORMAAR & PITTMAN	1980
61	BOROLL	0	15	7.46	5.66	4.50	3.06	31	NEWTON ET AL	1945
61	BOROLL	15	30	3.34	2.60	1.59	1.19	31	NEWTON ET AL	1945
62	BOROLL	0	15	7.29	7.39	4.35	4.44	4	NEWTON ET AL	1945
62	BOROLL	15	30	3.45	3.74	1.65	1.82	4	NEWTON ET AL	1945
63	BOROLL	0	15	7.13	6.14	4.21	3.41	26	NEWTON ET AL	1945
63	BOROLL	15	30	4.47	3.88	2.26	1.90	26	NEWTON ET AL	1945
64	BOROLL	0	15	8.50	7.04	5.50	4.13	12	NEWTON ET AL	1945
64	BOROLL	15	30	4.43	4.21	2.23	2.10	12	NEWTON ET AL	1945
65	BOROLL	0	15	7.51	4.57	4.54	2.32	33	NEWTON ET AL	1945
65	BOROLL	15	30	2.60	1.56	1.19	0.68	33	NEWTON ET AL	1945
66	BOROLL	0	15	5.59	5.47	3.01	2.92	20	NEWTON ET AL	1945
66	BOROLL	15	30	3.93	3.57	1.93	1.72	20	NEWTON ET AL	1945
67	BOROLL	0	15	7.70	5.87	4.72	3.21	9	NEWTON ET AL	1945
67	BOROLL	15	30	2.67	2.98	1.23	1.39	9	NEWTON ET AL	1945
68	BOROLL	0	15	4.41	3.97	2.22	1.95	30	NEWTON ET AL	1945
68	BOROLL	15	30	2.30	2.08	1.04	0.93	30	NEWTON ET AL	1945
69	BOROLL	0	15	7.44	7.64	4.48	4.66	6	NEWTON ET AL	1945
69	BOROLL	15	30	3.95	3.68	1.94	1.78	6	NEWTON ET AL	1945
70	BOROLL	0	15	4.88	4.33	2.52	2.17	25	NEWTON ET AL	1945
70	BOROLL	15	30	3.45	3.39	1.65	1.62	25	NEWTON ET AL	1945
71	BOROLL	0	15	4.94	3.29	2.56	1.56	26	NEWTON ET AL	1945
71	BOROLL	15	30	2.58	2.60	1.18	1.19	26	NEWTON ET AL	1945
72	BOROLL	0	15	4.89	4.97	2.53	2.58	8	NEWTON ET AL	1945
72	BOROLL	15	30	2.61	3.20	1.20	1.51	8	NEWTON ET AL	1945
73	BOROLL	0	15	7.90	6.17	4.90	3.43	26	NEWTON ET AL	1945
73	BOROLL	15	30	4.33	4.18	2.17	2.08	26	NEWTON ET AL	1945
74	BOROLL	0	15	6.39	5.72	3.60	3.10	13	NEWTON ET AL	1945
74	BOROLL	15	30	4.38	3.57	2.20	1.72	13	NEWTON ET AL	1945
75	BOROLL	0	15	7.26	4.98	4.32	2.59	49	NEWTON ET AL	1945
75	BOROLL	15	30	2.40	1.94	1.09	0.86	49	NEWTON ET AL	1945

76	BOROLL	0	15	8.01	6.40	5.01	3.61	15	NEWTON ET AL	1945
76	BOROLL	15	30	3.73	2.92	1.81	1.36	15	NEWTON ET AL	1945
77	BOROLL	0	15	6.09	3.57	3.37	1.72	50	NEWTON ET AL	1945
77	BOROLL	15	30	3.21	3.18	1.52	1.50	50	NEWTON ET AL	1945
78	BOROLL	0	15	7.57	6.88	4.60	4.00	5	NEWTON ET AL	1945
78	BOROLL	15	30	4.18	4.55	2.08	2.31	5	NEWTON ET AL	1945
79	BOROLL	0	15	8.22	6.58	5.21	3.75	30	NEWTON ET AL	1945
79	BOROLL	15	30	5.42	5.59	2.89	3.01	30	NEWTON ET AL	1945
80	BOROLL	0	15	8.85	6.72	5.86	3.87	50	NEWTON ET AL	1945
80	BOROLL	15	30	5.07	4.30	2.65	2.15	50	NEWTON ET AL	1945
81	BOROLL	0	15	5.62	4.44	3.03	2.24	29	NEWTON ET AL	1945
81	BOROLL	15	30	4.82	4.23	2.48	2.11	29	NEWTON ET AL	1945
82	BOROLL	0	15	6.30	4.86	3.53	2.51	29	NEWTON ET AL	1945
82	BOROLL	15	30	6.35	4.17	3.57	2.07	29	NEWTON ET AL	1945
83	BOROLL	0	15	10.13	9.67	7.39	6.80	25	NEWTON ET AL	1945
83	BOROLL	15	30	9.71	8.43	6.86	5.42	25	NEWTON ET AL	1945
84	BOROLL	0	15	8.14	8.21	5.13	5.20	26	NEWTON ET AL	1945
84	BOROLL	15	30	5.90	6.45	3.23	3.65	26	NEWTON ET AL	1945
85	BOROLL	0	15	10.06	9.47	7.29	6.56	5	NEWTON ET AL	1945
85	BOROLL	15	30	5.48	4.38	2.93	2.20	5	NEWTON ET AL	1945
86	BOROLL	0	15	9.66	8.09	6.79	5.09	32	NEWTON ET AL	1945
86	BOROLL	15	30	4.28	4.98	2.14	2.59	32	NEWTON ET AL	1945
87	BOROLL	0	15	10.83	9.84	8.36	7.02	30	NEWTON ET AL	1945
87	BOROLL	15	30	7.76	8.35	4.77	5.34	30	NEWTON ET AL	1945
88	BOROLL	0	15	10.41	8.66	7.76	5.66	4	NEWTON ET AL	1945
88	BOROLL	15	30	5.21	4.10	2.74	2.03	4	NEWTON ET AL	1945
89	BOROLL	0	15	8.85	6.05	5.86	3.34	27	NEWTON ET AL	1945
89	BOROLL	15	30	4.66	3.76	2.38	1.83	27	NEWTON ET AL	1945
90	BOROLL	0	15	7.13	6.72	4.21	3.87	10	NEWTON ET AL	1945
90	BOROLL	15	30	3.32	3.23	1.58	1.53	10	NEWTON ET AL	1945
91	BOROLL	0	15	10.56	7.94	7.97	4.94	27	NEWTON ET AL	1945
91	BOROLL	15	30	4.68	4.18	2.39	2.08	27	NEWTON ET AL	1945
92	BOROLL	0	15	9.85	6.81	7.03	3.94	13	NEWTON ET AL	1945
92	BOROLL	15	30	6.19	4.05	3.45	2.00	13	NEWTON ET AL	1945
93	BOROLL	0	15	8.39	7.23	5.38	4.30	50	NEWTON ET AL	1945
93	BOROLL	15	30	6.05	5.31	3.34	2.81	50	NEWTON ET AL	1945
94	BOROLL	0	15	11.23	9.22	8.96	6.27	24	NEWTON ET AL	1945
94	BOROLL	15	30	7.84	6.31	4.85	3.54	24	NEWTON ET AL	1945
95	BOROLL	0	15	9.78	8.75	6.94	5.76	30	NEWTON ET AL	1945
95	BOROLL	15	30	5.45	4.89	2.91	2.53	30	NEWTON ET AL	1945
96	BOROLL	0	15	9.78	8.95	6.94	5.97	9	NEWTON ET AL	1945
96	BOROLL	15	30	5.48	5.47	2.93	2.92	9	NEWTON ET AL	1945
97	BOROLL	0	15	5.86	6.45	3.20	3.65	50	NEWTON ET AL	1945
97	BOROLL	15	30	7.07	6.19	4.16	3.45	50	NEWTON ET AL	1945
98	BOROLL	0	15	8.79	7.48	5.80	4.52	40	NEWTON ET AL	1945
98	BOROLL	15	30	5.16	4.66	2.71	2.38	40	NEWTON ET AL	1945
99	BOROLL	0	15	8.94	8.60	5.96	5.60	10	NEWTON ET AL	1945
99	BOROLL	15	30	6.55	4.91	3.73	2.54	10	NEWTON ET AL	1945
100	BOROLL	0	15	11.01	8.70	8.63	5.70	11	NEWTON ET AL	1945
100	BOROLL	15	30	4.13	3.21	2.05	1.52	11	NEWTON ET AL	1945
101	BOROLL	0	15	11.32	8.98	9.10	6.01	28	NEWTON ET AL	1945
101	BOROLL	15	30	5.45	4.07	2.91	2.01	28	NEWTON ET AL	1945
102	BOROLL	0	15	10.08	9.41	7.32	6.50	21	NEWTON ET AL	1945
102	BOROLL	15	30	3.27	2.92	1.55	1.36	21	NEWTON ET AL	1945
103	BOROLL	0	15	6.99	6.39	4.09	3.60	25	NEWTON ET AL	1945
103	BOROLL	15	30	2.71	2.69	1.25	1.24	25	NEWTON ET AL	1945
104	BOROLL	0	15	12.62	11.20	11.43	8.92	11	NEWTON ET AL	1945
104	BOROLL	15	30	6.14	4.94	3.41	2.56	11	NEWTON ET AL	1945
105	BOROLL	0	15	12.58	9.20	11.36	6.25	29	NEWTON ET AL	1945
105	BOROLL	15	30	4.49	4.00	2.27	1.97	29	NEWTON ET AL	1945
106	BOROLL	0	15	10.08	9.36	7.32	6.44	45	NEWTON ET AL	1945
106	BOROLL	15	30	8.12	8.23	5.12	5.22	45	NEWTON ET AL	1945
107	BOROLL	0	15	7.12	6.94	4.20	4.05	25	ALWAY & TRUMBULL	1910
108	BOROLL	0	15	7.12	6.66	4.20	3.82	25	ALWAY & TRUMBULL	1910
109	BOROLL	0	15	7.12	4.21	4.20	2.10	25	ALWAY & TRUMBULL	1910
110	BOROLL	0	15	7.12	5.12	4.20	2.68	25	ALWAY & TRUMBULL	1910
111	BOROLL	0	15	8.79	5.99	5.80	3.30	60	RIDLEY & HEDLIN	1968
112	BOROLL	0	15	8.79	5.72	5.80	3.10	60	RIDLEY & HEDLIN	1968
113	BOROLL	0	15	8.79	6.19	5.80	3.45	60	RIDLEY & HEDLIN	1968
114	BOROLL	0	15	8.79	6.39	5.80	3.60	60	RIDLEY & HEDLIN	1968
115	BOROLL	0	10	4.98	2.60	4.79	2.00	80	TIESSEN ET AL	1982
115	BOROLL	10	30	4.12	3.12	1.55	1.13	80	TIESSEN ET AL	1982
116	BOROLL	0	18	6.65	5.46	3.77	2.37	70	TIESSEN ET AL	1982
116	BOROLL	18	31	3.54	3.52	2.25	1.96	70	TIESSEN ET AL	1982
117	BOROLL	0	15	5.17	3.78	3.22	1.74	65	TIESSEN ET AL	1982
117	BOROLL	15	40	4.38	3.83	1.26	1.08	65	TIESSEN ET AL	1982
118	BOROLL	0	10	4.98	4.00	4.79	3.28	60	TIESSEN ET AL	1982
118	BOROLL	10	30	4.12	4.11	1.55	1.48	60	TIESSEN ET AL	1982
119	BOROLL	0	10	5.60	2.92	5.40	2.20	60	MARTEL & PAUL	1974
120	BOROLL	0	10	4.59	3.43	4.00	2.70	30	MARTEL & PAUL	1974
121	BOROLL	0	12	8.05	5.79	7.30	4.30	30	MARTEL & PAUL	1974
122	BOROLL	0	15	11.68	7.57	9.70	4.60	30	MARTEL & PAUL	1974
123	BOROLL	0	10	3.33	2.81	2.60	2.10	20	MARTEL & PAUL	1974

124	BOROLL	0	10	5.60	4.17	5.40	3.50	15	MARTEL & PAUL	1974
125	BOROLL	0	15	6.44	3.20	3.64	1.51	51	HAAS & EVANS	1957
125	BOROLL	15	30	3.62	2.18	1.75	0.98	51	HAAS & EVANS	1957
126	BOROLL	0	15	3.62	1.87	1.75	0.83	41	HAAS & EVANS	1957
126	BOROLL	15	30	2.20	1.85	0.99	0.82	41	HAAS & EVANS	1957
127	BOROLL	0	15	5.91	4.36	3.24	2.19	50	HAAS & EVANS	1957
128	BOROLL	0	15	2.58	1.69	1.18	0.74	70	CAMPBELL & SOUSTE	1982
129	BOROLL	0	15	4.88	3.16	2.52	1.49	70	CAMPBELL & SOUSTE	1982
130	BOROLL	0	15	4.25	2.54	2.12	1.16	70	CAMPBELL & SOUSTE	1982
131	BOROLL	0	15	4.98	3.09	2.59	1.45	70	CAMPBELL & SOUSTE	1982
132	BOROLL	0	15	7.87	4.49	4.88	2.27	70	CAMPBELL & SOUSTE	1982
133	BOROLL	0	15	5.94	4.02	3.26	1.98	70	CAMPBELL & SOUSTE	1982
134	BOROLL	0	15	6.01	1.92	3.31	0.85	70	CAMPBELL & SOUSTE	1982
135	BOROLL	0	15	6.82	5.52	3.95	2.96	70	CAMPBELL & SOUSTE	1982
136	BOROLL	0	15	6.65	3.92	3.81	1.92	70	CAMPBELL & SOUSTE	1982
137	ENTISOL	0	30	4.88	4.84	1.11	1.10	2	REINBORN & AVNIME	1974
137	ENTISOL	30	60	4.36	3.12	0.98	0.68	2	REINBORN & AVNIME	1974
137	ENTISOL	60	90	4.24	3.41	0.95	0.75	2	REINBORN & AVNIME	1974
138	ENTISOL	0	30	6.06	4.96	1.42	1.13	2	REINBORN & AVNIME	1974
138	ENTISOL	30	60	4.24	2.73	0.95	0.59	2	REINBORN & AVNIME	1974
139	ENTISOL	0	30	8.59	4.64	2.15	1.05	5	REINBORN & AVNIME	1974
139	ENTISOL	30	60	7.76	4.04	1.90	0.90	5	REINBORN & AVNIME	1974
140	ENTISOL	0	30	4.64	2.99	1.05	0.65	5	REINBORN & AVNIME	1974
140	ENTISOL	30	60	2.16	1.71	0.46	0.36	5	REINBORN & AVNIME	1974
140	ENTISOL	60	90	2.42	0.82	0.52	0.17	5	REINBORN & AVNIME	1974
141	ENTISOL	0	30	6.06	3.71	1.42	0.82	18	REINBORN & AVNIME	1974
141	ENTISOL	30	60	4.24	3.03	0.95	0.66	18	REINBORN & AVNIME	1974
142	FLUVENT	0	18	4.60	3.64	1.87	1.42	25	SWANSON & LATSHAW	1919
142	FLUVENT	18	51	3.76	3.38	0.75	0.67	25	SWANSON & LATSHAW	1919
142	FLUVENT	51	102	3.13	2.90	0.39	0.36	25	SWANSON & LATSHAW	1919
142	FLUVENT	102	183	3.36	11.45	0.26	0.95	25	SWANSON & LATSHAW	1919
143	FLUVENT	0	18	4.60	3.28	1.87	1.26	25	SWANSON & LATSHAW	1919
143	FLUVENT	18	51	3.76	4.12	0.75	0.83	25	SWANSON & LATSHAW	1919
143	FLUVENT	51	102	3.13	5.66	0.39	0.73	25	SWANSON & LATSHAW	1919
143	FLUVENT	102	183	3.36	7.84	0.26	0.63	25	SWANSON & LATSHAW	1919
144	FLUVENT	0	18	7.06	4.16	3.22	1.66	25	SWANSON & LATSHAW	1919
144	FLUVENT	18	51	7.43	5.96	1.61	1.25	25	SWANSON & LATSHAW	1919
144	FLUVENT	51	102	6.02	4.19	0.78	0.53	25	SWANSON & LATSHAW	1919
144	FLUVENT	102	203	8.01	8.45	0.51	0.54	25	SWANSON & LATSHAW	1919
145	FLUVENT	0	18	7.06	5.44	3.22	2.30	25	SWANSON & LATSHAW	1919
145	FLUVENT	18	51	7.43	6.38	1.61	1.35	25	SWANSON & LATSHAW	1919
145	FLUVENT	51	102	6.02	5.15	0.78	0.66	25	SWANSON & LATSHAW	1919
145	FLUVENT	102	203	8.01	5.74	0.51	0.36	25	SWANSON & LATSHAW	1919
146	FLUVENT	0	18	6.88	4.39	3.11	1.77	25	SWANSON & LATSHAW	1919
146	FLUVENT	18	51	6.34	4.97	1.34	1.02	25	SWANSON & LATSHAW	1919
146	FLUVENT	51	102	8.16	5.08	1.09	0.65	25	SWANSON & LATSHAW	1919
147	FLUVENT	0	18	6.88	5.29	3.11	2.22	25	SWANSON & LATSHAW	1919
147	FLUVENT	18	51	6.34	6.30	1.34	1.33	25	SWANSON & LATSHAW	1919
147	FLUVENT	51	102	8.16	8.76	1.09	1.18	25	SWANSON & LATSHAW	1919
148	FLUVENT	0	15	4.80	2.63	2.47	1.21	54	HAAS & EVANS	1957
149	HUMULT	0	15	6.98	5.22	4.08	2.75	15	STEPHENSON & SCHU	1942
150	HUMULT	0	15	5.59	3.71	3.01	1.80	80	STEPHENSON & SCHU	1942
151	HUMULT	0	15	8.38	7.08	5.37	4.17	80	STEPHENSON & SCHU	1942
152	HUMULT	0	15	5.90	4.44	3.23	2.24	30	STEPHENSON & SCHU	1942
153	HUMULT	0	15	6.53	4.39	3.71	2.21	70	STEPHENSON & SCHU	1942
154	INCEPT	0	25	5.11	3.18	1.40	1.06	5	GLUBCZYNSKI	1983
155	MOLLISOL	0	25	6.30	4.58	3.50	1.62	7	GLUBCZYNSKI	1983
156	MOLLISOL	0	25	6.30	4.83	3.50	1.71	60	GLUBCZYNSKI	1983
157	OCHREPT	0	10	3.83	3.29	3.12	2.56	35	COOTE & RAMSEY	1983
157	OCHREPT	10	20	2.47	3.26	1.80	2.53	35	COOTE & RAMSEY	1983
157	OCHREPT	20	30	1.77	2.61	1.22	1.92	35	COOTE & RAMSEY	1983
158	OCHREPT	0	10	3.34	2.58	2.61	1.89	35	COOTE & RAMSEY	1983
158	OCHREPT	10	20	2.37	2.58	1.71	1.89	35	COOTE & RAMSEY	1983
158	OCHREPT	20	30	2.00	1.44	1.40	0.97	35	COOTE & RAMSEY	1983
159	OCHREPT	0	10	3.10	2.08	2.37	1.47	35	COOTE & RAMSEY	1983
159	OCHREPT	10	20	2.45	2.09	1.78	1.48	35	COOTE & RAMSEY	1983
159	OCHREPT	20	30	1.07	1.36	0.70	0.91	35	COOTE & RAMSEY	1983
160	OCHREPT	0	15	4.07	5.18	2.01	2.72	4	WHEETING	1937
161	OCHREPT	0	15	4.49	4.83	2.27	2.49	11	WHEETING	1937
162	OCHREPT	0	15	3.92	6.94	1.92	4.05	6	WHEETING	1937
163	OCHREPT	0	15	4.55	8.02	2.31	5.02	10	WHEETING	1937
164	OCHREPT	0	15	7.06	7.50	4.15	4.53	30	WHEETING	1937
165	OCHREPT	0	15	4.43	8.20	2.23	5.19	5	WHEETING	1937
166	OCHREPT	0	15	5.27	5.47	2.78	2.92	6	WHEETING	1937
167	OCHREPT	0	15	1.69	4.30	0.74	2.15	45	WHEETING	1937
168	OCHREPT	0	15	3.20	6.45	1.51	3.65	10	WHEETING	1937
169	OCHREPT	0	15	6.87	3.68	3.99	1.78	5	WHEETING	1937
170	OCHREPT	0	15	5.21	6.32	2.74	3.55	15	WHEETING	1937
171	OCHREPT	0	15	5.07	5.09	2.65	2.66	5	WHEETING	1937
172	OCHREPT	0	15	4.71	7.70	2.41	4.72	30	WHEETING	1937
173	OCHREPT	0	15	8.46	6.14	5.45	3.41	40	WHEETING	1937
174	OCHREPT	0	15	6.01	7.25	3.31	4.31	30	WHEETING	1937
175	OCHREPT	0	15	6.11	8.06	3.39	5.06	10	WHEETING	1937

176	OCHREPT	0	15	4.30	7.21	2.15	4.28	30	WHEETING	1937
177	OCHREPT	0	15	4.86	6.56	2.51	3.74	11	WHEETING	1937
178	OCHREPT	0	15	6.19	5.84	3.45	3.19	7	WHEETING	1937
179	OCHREPT	0	15	2.73	6.35	1.26	3.57	15	WHEETING	1937
180	OCHREPT	0	15	4.54	7.69	2.30	4.71	15	WHEETING	1937
181	OCHREPT	0	15	5.35	4.49	2.84	2.27	14	WHEETING	1937
182	OCHREPT	0	15	1.81	3.23	0.80	1.53	4	WHEETING	1937
183	OCHREPT	0	15	3.90	5.45	1.91	2.91	8	WHEETING	1937
184	OCHREPT	0	15	9.28	6.72	6.35	3.87	8	WHEETING	1937
185	OCHREPT	0	15	6.65	6.10	3.81	3.38	2	WHEETING	1937
186	OCHREPT	0	15	7.56	7.53	4.59	4.56	2	WHEETING	1937
187	OCHREPT	0	15	3.29	3.30	1.56	1.57	25	WHEETING	1937
188	OCHREPT	0	15	4.21	5.90	2.10	3.23	46	WHEETING	1937
189	OCHREPT	0	15	6.76	7.06	3.90	4.15	8	WHEETING	1937
190	OCHREPT	0	15	6.44	7.77	3.64	4.78	7	WHEETING	1937
191	OCHREPT	0	15	7.36	8.16	4.41	5.15	12	WHEETING	1937
192	OCHREPT	0	15	8.03	6.07	5.03	3.36	15	WHEETING	1937
193	OCHREPT	0	15	8.69	8.03	5.69	5.03	25	WHEETING	1937
194	OCHREPT	0	15	8.36	8.38	5.35	5.37	5	WHEETING	1937
195	OCHREPT	0	15	5.37	6.82	2.85	3.95	12	WHEETING	1937
196	OCHREPT	0	15	3.36	5.71	1.60	3.09	5	WHEETING	1937
197	OCHREPT	0	15	2.73	5.35	1.26	2.84	5	WHEETING	1937
198	OCHREPT	0	15	5.86	7.21	3.20	4.28	7	WHEETING	1937
199	OCHREPT	0	15	6.77	5.34	3.91	2.83	25	WHEETING	1937
200	OCHREPT	0	15	2.44	5.54	1.11	2.97	30	WHEETING	1937
201	OCHREPT	0	15	5.45	5.62	2.91	3.03	18	WHEETING	1937
202	OCHREPT	0	15	5.19	6.55	2.73	3.73	15	WHEETING	1937
203	OCHREPT	0	5	2.15	1.10	3.65	1.56	3	CUNNINGHAM	1963
204	ORTHENT	0	15	8.20	3.62	5.19	1.75	60	ANDERSON	1949
204	ORTHENT	15	30	4.69	1.83	2.40	0.81	60	ANDERSON	1949
205	ORTHENT	0	18	4.53	3.48	1.84	1.35	25	SWANSON & LATSHAW	1919
205	ORTHENT	18	51	3.76	3.38	0.75	0.67	25	SWANSON & LATSHAW	1919
206	ORTHENT	0	18	4.98	3.39	2.06	1.31	25	SWANSON & LATSHAW	1919
206	ORTHENT	18	51	3.05	4.03	0.60	0.81	25	SWANSON & LATSHAW	1919
207	ORTHENT	0	18	4.49	4.09	1.82	1.63	25	SWANSON & LATSHAW	1919
207	ORTHENT	18	51	3.15	3.34	0.62	0.66	25	SWANSON & LATSHAW	1919
207	ORTHENT	51	102	1.40	2.74	0.17	0.34	25	SWANSON & LATSHAW	1919
207	ORTHENT	102	183	1.05	2.09	0.08	0.16	25	SWANSON & LATSHAW	1919
208	ORTHID	0	20	2.61	1.05	0.87	0.33	49	CHANG	1950
209	ORTHID	0	15	1.73	2.06	0.76	0.92	16	SHARPLEY	1983
209	ORTHID	15	30	1.39	1.94	0.60	0.86	16	SHARPLEY	1983
209	ORTHID	30	45	1.03	1.67	0.44	0.73	16	SHARPLEY	1983
209	ORTHID	45	60	1.01	1.26	0.43	0.54	16	SHARPLEY	1983
209	ORTHID	60	75	0.67	1.08	0.28	0.46	16	SHARPLEY	1983
209	ORTHID	75	90	0.67	0.85	0.28	0.36	16	SHARPLEY	1983
210	ORTHOD	0	15	6.19	5.22	4.30	3.70	30	MARTEL & DESCH	1976
210	ORTHOD	15	26	1.85	2.24	1.40	1.70	30	MARTEL & DESCH	1976
211	ORTHOD	0	17	8.46	4.90	5.24	2.40	30	MARTEL & DESCH	1976
212	ORTHOD	0	18	9.84	6.86	5.19	3.10	80	SALISBURY & DELON	1940
213	ORTHOD	0	18	8.72	8.42	4.33	4.11	80	SALISBURY & DELON	1940
214	ORTHOD	0	18	10.94	8.02	6.16	3.84	80	SALISBURY & DELON	1940
215	ORTHOD	0	15	7.75	4.13	4.76	2.05	50	SHARPLEY	1983
215	ORTHOD	15	30	2.75	4.05	1.27	2.00	50	SHARPLEY	1983
215	ORTHOD	30	45	1.94	2.06	0.86	0.92	50	SHARPLEY	1983
215	ORTHOD	45	60	2.75	0.94	1.27	0.40	50	SHARPLEY	1983
216	ORTHO	0	10	5.58	3.22	5.37	2.49	2	AWETO	1981
216	ORTHO	10	30	3.84	3.12	1.34	1.06	2	AWETO	1981
217	OISOL	0	15	4.36	3.18	2.19	1.50	8	NYE & GREENLAND	1960
217	OISOL	15	30	2.77	2.26	1.28	1.02	8	NYE & GREENLAND	1960
218	PSAMMENT	0	15	6.80	7.43	3.93	4.47	8	WHEETING	1937
219	PSAMMENT	0	15	2.02	3.03	0.90	1.42	3	WHEETING	1937
220	PSAMMENT	0	15	2.60	3.25	1.19	1.54	30	WHEETING	1937
221	PSAMMENT	0	15	4.88	4.07	2.52	2.01	3	WHEETING	1937
222	PSAMMENT	0	15	2.75	5.31	1.27	2.81	30	WHEETING	1937
223	PSAMMENT	0	15	3.76	4.88	1.83	2.52	20	WHEETING	1937
224	PSAMMENT	0	15	3.14	5.03	1.48	2.62	13	WHEETING	1937
225	PSAMMENT	0	15	1.54	2.30	0.67	1.04	3	WHEETING	1937
226	PSAMMENT	0	15	3.61	8.15	1.74	5.14	25	WHEETING	1937
227	PSAMMENT	0	15	6.59	7.95	3.76	4.95	5	WHEETING	1937
228	PSAMMENT	0	15	7.02	9.08	4.12	6.12	40	WHEETING	1937
229	PSAMMENT	0	15	6.30	5.35	3.53	2.84	2	WHEETING	1937
230	PSAMMENT	0	15	3.95	5.47	1.94	2.92	17	WHEETING	1937
231	PSAMMENT	0	15	5.31	6.42	2.81	3.63	10	WHEETING	1937
232	PSAMMENT	0	15	2.42	4.13	1.10	2.05	14	WHEETING	1937
233	PSAMMENT	0	15	6.32	5.45	3.55	2.91	5	WHEETING	1937
234	TROPEPT	0	30	14.81	12.59	4.45	3.53	1	KREBS	1975
235	TROPEPT	0	30	14.81	12.75	4.45	3.59	4	KREBS	1975
236	TROPEPT	0	30	14.81	12.92	4.45	3.66	9	KREBS	1975
237	TROPEPT	0	30	14.81	12.64	4.45	3.55	15	KREBS	1975
238	TROPEPT	0	30	14.81	12.41	4.45	3.46	22	KREBS	1975
239	TROPEPT	0	30	14.81	12.64	4.45	3.55	4	KREBS	1975
240	TROPEPT	0	30	14.81	13.88	4.45	4.05	15	KREBS	1975
241	TROPEPT	0	5	4.56	3.16	16.30	8.89	2	POPENOE	1959

241	TROPEPT	5	20	5.88	4.96	7.00	4.66	2	POPENOE	1959
241	TROPEPT	20	41	2.98	2.95	2.53	1.98	2	POPENOE	1959
242	TROPEPT	0	5	4.56	4.04	16.30	11.54	4	POPENOE	1959
242	TROPEPT	5	20	5.88	3.93	7.00	3.74	4	POPENOE	1959
242	TROPEPT	20	41	2.98	2.68	2.53	1.82	4	POPENOE	1959
243	TROPEPT	0	5	4.56	5.72	16.30	16.34	7	POPENOE	1959
243	TROPEPT	5	20	5.88	5.13	7.00	4.89	7	POPENOE	1959
243	TROPEPT	20	41	2.98	3.57	2.53	2.43	7	POPENOE	1959
244	TROPEPT	0	15	3.30	2.52	1.57	1.15	2	NYE & GREENLAND	1960
244	TROPEPT	15	30	1.83	1.87	0.81	0.83	2	NYE & GREENLAND	1960
244	TROPEPT	30	61	2.55	2.82	0.53	0.59	2	NYE & GREENLAND	1960
245	TROPEPT	0	15	2.26	1.90	1.02	0.84	6	NYE & GREENLAND	1960
246	TROPEPT	0	15	2.26	1.81	1.02	0.80	12	NYE & GREENLAND	1960
247	UDALF	0	8	2.03	1.67	2.70	1.50	35	ROLFE & BOGESS	1973
247	UDALF	8	15	1.04	0.94	1.00	0.90	35	ROLFE & BOGESS	1973
248	UDALF	0	20	5.60	3.52	4.00	1.60	80	FLACH	1954
249	UDALF	0	20	5.76	4.56	3.60	1.90	80	FLACH	1954
250	UDALF	0	20	4.48	5.04	3.20	2.10	80	FLACH	1954
251	UDALF	0	20	4.80	3.84	2.40	1.60	80	FLACH	1954
252	UDALF	0	20	5.60	5.00	3.50	2.50	80	FLACH	1954
253	UDALF	0	20	4.20	2.42	2.10	1.10	80	FLACH	1954
254	UDALF	0	20	4.20	3.08	3.00	1.40	80	FLACH	1954
255	UDALF	0	20	5.04	4.20	2.80	1.50	80	FLACH	1954
256	UDALF	0	20	5.60	4.40	4.00	2.00	80	FLACH	1954
257	UDALF	0	20	6.00	4.16	5.00	1.60	80	FLACH	1954
258	UDALF	0	20	5.18	4.50	3.70	1.50	80	FLACH	1954
259	UDALF	0	20	4.44	4.80	3.70	2.00	80	FLACH	1954
260	UDALF	0	20	4.68	3.38	2.60	1.30	80	FLACH	1954
261	UDALF	0	20	5.28	4.08	2.40	1.70	80	FLACH	1954
262	UDALF	0	20	5.12	5.60	3.20	2.80	80	FLACH	1954
263	UDALF	0	20	4.96	4.80	3.10	2.40	80	FLACH	1954
264	UDALF	0	20	5.76	3.30	3.20	1.50	80	FLACH	1954
265	UDALF	0	20	4.48	4.32	3.20	1.80	80	FLACH	1954
266	UDALF	0	20	5.58	5.76	3.10	2.40	80	FLACH	1954
267	UDALF	0	20	5.74	3.74	4.10	1.70	80	FLACH	1954
268	UDALF	0	20	6.08	5.04	3.80	2.10	80	FLACH	1954
269	UDALF	0	20	7.04	5.00	4.40	2.50	80	FLACH	1954
270	UDALF	0	20	4.14	4.80	2.30	2.00	80	FLACH	1954
271	UDALF	0	20	3.78	3.60	2.10	1.50	80	FLACH	1954
272	UDALF	0	20	5.44	3.60	3.40	1.50	80	FLACH	1954
273	UDALF	0	20	5.00	2.52	2.50	0.90	80	FLACH	1954
274	UDALF	0	20	4.14	7.20	2.30	3.00	80	FLACH	1954
275	UDALF	0	20	5.40	4.08	3.00	1.70	80	FLACH	1954
276	UDALF	0	20	4.96	4.08	3.10	1.70	80	FLACH	1954
277	UDALF	0	20	5.92	4.68	3.70	1.80	80	FLACH	1954
278	UDALF	0	20	6.66	3.74	3.70	1.70	80	FLACH	1954
279	UDALF	0	20	5.28	3.90	4.40	1.50	80	FLACH	1954
280	UDALF	0	20	4.80	5.06	2.40	2.30	80	FLACH	1954
281	UDALF	0	20	5.04	3.84	2.80	1.60	80	FLACH	1954
282	UDALF	0	20	5.32	6.50	3.80	2.50	80	FLACH	1954
283	UDALF	0	20	5.76	3.84	3.20	1.60	80	FLACH	1954
284	UDALF	0	20	5.40	4.40	3.00	2.00	80	FLACH	1954
285	UDALF	0	20	3.42	4.56	1.90	1.90	80	FLACH	1954
286	UDALF	0	20	5.28	6.48	3.30	2.70	80	FLACH	1954
287	UDALF	0	20	6.72	6.16	4.20	2.80	80	FLACH	1954
288	UDALF	0	20	5.22	4.16	2.90	1.60	80	FLACH	1954
289	UDALF	0	20	5.74	4.40	4.10	2.00	80	FLACH	1954
290	UDALF	0	20	5.04	2.52	2.80	0.90	80	FLACH	1954
291	UDALF	0	20	6.24	3.60	3.90	1.50	80	FLACH	1954
292	UDALF	0	20	7.20	4.94	4.50	1.90	80	FLACH	1954
293	UDALF	0	20	4.86	3.74	2.70	1.70	80	FLACH	1954
294	UDALF	0	20	4.80	4.32	3.00	1.80	80	FLACH	1954
295	UDALF	0	20	4.34	3.52	3.10	1.60	80	FLACH	1954
296	UDALF	0	20	5.18	3.38	3.70	1.30	80	FLACH	1954
297	UDALF	0	20	4.96	4.16	3.10	1.60	80	FLACH	1954
298	UDALF	0	20	4.80	3.64	2.40	1.30	80	FLACH	1954
299	UDALF	0	20	5.28	5.46	3.30	2.10	80	FLACH	1954
300	UDALF	0	20	5.40	4.40	3.00	2.00	80	FLACH	1954
301	UDALF	0	20	4.80	3.84	2.40	1.60	80	FLACH	1954
302	UDALF	0	20	4.60	3.64	2.30	1.40	80	FLACH	1954
303	UDALF	0	20	3.52	3.36	1.60	1.40	80	FLACH	1954
304	UDALF	0	20	6.30	5.32	3.50	1.90	80	FLACH	1954
305	UDALF	0	20	5.94	5.20	2.70	2.00	80	FLACH	1954
306	UDALF	0	20	4.80	4.40	3.00	2.00	80	FLACH	1954
307	UDALF	0	20	8.26	6.40	5.90	3.20	80	FLACH	1954
308	UDALF	0	20	6.24	5.28	3.90	2.40	80	FLACH	1954
309	UDALF	0	20	7.68	6.60	4.80	3.30	80	FLACH	1954
310	UDALF	0	20	4.96	4.84	3.10	2.20	80	FLACH	1954
311	UDALF	0	20	5.60	5.06	3.50	2.30	80	FLACH	1954
312	UDALF	0	20	6.56	5.72	4.10	2.60	80	FLACH	1954
313	UDALF	0	20	10.32	6.50	4.30	2.50	80	FLACH	1954
314	UDALF	0	20	6.08	4.62	3.80	2.10	80	FLACH	1954
315	UDALF	0	20	5.60	7.00	3.50	3.50	80	FLACH	1954

316	UDALF	0	20	5.60	5.72	3.50	2.60	80	FLACH	1954
317	UDALF	0	20	6.08	6.80	3.80	3.40	80	FLACH	1954
318	UDALF	0	20	6.48	6.60	3.60	3.00	80	FLACH	1954
319	UDALF	0	20	6.08	5.20	3.80	2.60	80	FLACH	1954
320	UDALF	0	20	5.60	4.62	3.50	2.10	80	FLACH	1954
321	UDALF	0	20	4.86	5.06	2.70	2.30	80	FLACH	1954
322	UDALF	0	20	4.86	5.06	2.70	2.30	80	FLACH	1954
323	UDALF	0	20	6.12	5.28	3.40	2.40	80	FLACH	1954
324	UDALF	0	20	5.94	7.04	3.30	3.20	80	FLACH	1954
325	UDALF	0	20	5.40	4.62	3.00	2.10	80	FLACH	1954
326	UDALF	0	20	5.92	5.28	3.70	2.40	80	FLACH	1954
327	UDALF	0	20	5.58	5.72	3.10	2.60	80	FLACH	1954
328	UDALF	0	20	9.60	7.60	6.00	3.80	80	FLACH	1954
329	UDALF	0	20	5.28	6.00	3.30	3.00	80	FLACH	1954
330	UDALF	0	20	5.60	6.24	3.50	2.60	80	FLACH	1954
331	UDALF	0	20	4.80	7.26	3.00	3.30	80	FLACH	1954
332	UDALF	0	20	6.40	5.52	4.00	2.30	80	FLACH	1954
333	UDALF	0	20	8.48	7.70	5.30	3.50	80	FLACH	1954
334	UDALF	0	20	5.44	7.68	3.40	3.20	80	FLACH	1954
335	UDALF	0	20	5.44	6.24	3.40	2.60	80	FLACH	1954
336	UDALF	0	20	5.04	5.46	2.80	2.10	80	FLACH	1954
337	UDALF	0	20	7.04	6.24	4.40	2.40	80	FLACH	1954
338	UDALF	0	20	5.40	6.24	3.00	2.40	80	FLACH	1954
339	UDALF	0	20	7.68	6.38	4.80	2.90	80	FLACH	1954
340	UDALF	0	20	4.96	5.04	3.10	2.10	80	FLACH	1954
341	UDALF	0	20	4.50	4.76	2.50	1.70	80	FLACH	1954
342	UDALF	0	20	4.32	4.16	2.70	1.60	80	FLACH	1954
343	UDALF	0	20	7.20	4.80	4.50	2.00	80	FLACH	1954
344	UDALF	0	20	5.76	5.06	3.60	2.30	80	FLACH	1954
345	UDALF	0	20	4.14	5.04	2.30	2.10	80	FLACH	1954
346	UDALF	0	20	7.04	4.68	4.40	1.80	80	FLACH	1954
347	UDALF	0	20	5.92	5.72	3.70	2.20	80	FLACH	1954
348	UDALF	0	30	4.28	4.20	0.96	0.94	1	NYE & GREEN	1964
349	UDALF	0	30	4.16	4.52	0.93	1.02	1	NYE & GREEN	1964
350	UDALF	0	30	5.04	4.84	1.15	1.10	1	NYE & GREEN	1964
351	UDALF	0	30	4.28	4.00	0.96	0.89	2	NYE & GREEN	1964
352	UDALF	0	30	4.16	4.56	0.93	1.03	2	NYE & GREEN	1964
353	UDALF	0	30	5.04	4.72	1.15	1.07	2	NYE & GREEN	1964
354	UDALF	0	17	2.68	1.04	1.07	0.39	30	SALTER & GREEN	1933
355	UDALF	0	17	2.68	1.74	1.07	0.67	30	SALTER & GREEN	1933
356	UDALF	0	17	2.68	2.08	1.07	0.81	30	SALTER & GREEN	1933
357	UDALF	0	17	2.68	2.29	1.07	0.90	30	SALTER & GREEN	1933
358	UDALF	0	15	2.96	2.94	1.38	1.37	30	SHARPLEY	1983
358	UDALF	15	30	0.88	2.16	0.37	0.97	30	SHARPLEY	1983
358	UDALF	30	45	0.51	1.56	0.21	0.68	30	SHARPLEY	1983
358	UDALF	45	60	0.74	2.82	0.31	1.31	30	SHARPLEY	1983
358	UDALF	60	75	0.62	2.12	0.26	0.95	30	SHARPLEY	1983
358	UDALF	75	90	0.65	1.12	0.27	0.48	30	SHARPLEY	1983
359	UDALF	0	15	6.98	2.38	4.08	1.08	30	THOMPSON ET AL	1954
360	UDALF	0	15	6.47	4.55	3.67	2.31	30	THOMPSON ET AL	1954
361	UDERT	0	15	6.87	4.13	3.99	2.05	30	THOMPSON ET AL	1954
362	UDOLL	0	15	10.93	8.41	8.50	5.40	60	ANDERSON	1949
362	UDOLL	15	30	8.23	6.11	5.22	3.39	60	ANDERSON	1949
363	UDOLL	0	15	8.48	6.74	5.48	3.88	60	ANDERSON	1949
363	UDOLL	15	30	7.59	6.42	4.62	3.63	60	ANDERSON	1949
364	UDOLL	0	15	10.47	10.00	7.85	7.22	60	ANDERSON	1949
364	UDOLL	15	30	8.90	7.63	5.92	4.65	60	ANDERSON	1949
365	UDOLL	0	18	3.16	2.50	1.21	0.93	30	HIDE & METZGER	1939
365	UDOLL	18	51	3.99	3.52	0.80	0.70	30	HIDE & METZGER	1939
366	UDOLL	0	18	4.78	2.97	1.96	1.13	30	HIDE & METZGER	1939
366	UDOLL	18	51	5.02	3.80	1.03	0.76	30	HIDE & METZGER	1939
367	UDOLL	0	18	6.96	6.73	3.16	3.02	30	HIDE & METZGER	1939
367	UDOLL	18	51	9.34	9.20	2.12	2.08	30	HIDE & METZGER	1939
368	UDOLL	0	18	5.52	3.46	2.34	1.34	30	HIDE & METZGER	1939
368	UDOLL	18	51	8.24	4.93	1.82	1.01	30	HIDE & METZGER	1939
369	UDOLL	0	18	5.33	5.61	2.24	2.39	30	HIDE & METZGER	1939
369	UDOLL	18	51	8.46	8.16	1.88	1.80	30	HIDE & METZGER	1939
370	UDOLL	0	18	5.56	3.97	2.36	1.57	30	HIDE & METZGER	1939
370	UDOLL	18	51	7.47	6.21	1.62	1.31	30	HIDE & METZGER	1939
371	UDOLL	0	18	6.65	5.63	2.97	2.40	30	HIDE & METZGER	1939
371	UDOLL	18	51	8.65	7.35	1.93	1.59	30	HIDE & METZGER	1939
372	UDOLL	0	18	6.54	5.16	2.91	2.15	30	HIDE & METZGER	1939
372	UDOLL	18	51	7.89	6.63	1.73	1.41	30	HIDE & METZGER	1939
373	UDOLL	0	18	4.82	2.00	1.98	0.73	30	HIDE & METZGER	1939
373	UDOLL	18	51	3.43	1.83	0.68	0.35	30	HIDE & METZGER	1939
374	UDOLL	0	18	6.78	3.97	3.05	1.57	30	HIDE & METZGER	1939
374	UDOLL	18	51	8.87	5.54	1.99	1.15	30	HIDE & METZGER	1939
375	UDOLL	0	18	4.66	3.07	1.90	1.17	30	HIDE & METZGER	1939
375	UDOLL	18	51	5.19	4.26	1.07	0.86	30	HIDE & METZGER	1939
376	UDOLL	0	18	5.23	3.64	2.19	1.42	30	HIDE & METZGER	1939
376	UDOLL	18	51	7.39	4.53	1.60	0.92	30	HIDE & METZGER	1939
377	UDOLL	0	18	7.05	5.39	3.21	2.27	30	HIDE & METZGER	1939
377	UDOLL	18	51	8.20	8.05	1.81	1.77	30	HIDE & METZGER	1939

378	UDOLL	0	18	7.21	4.66	3.31	1.90	30	HIDE & METZGER	1939
378	UDOLL	18	51	8.12	6.30	1.79	1.33	30	HIDE & METZGER	1939
379	UDOLL	0	18	4.45	3.04	1.80	1.16	30	HIDE & METZGER	1939
379	UDOLL	18	51	5.28	5.41	1.09	1.12	30	HIDE & METZGER	1939
380	UDOLL	0	18	6.63	3.53	2.96	1.37	30	HIDE & METZGER	1939
380	UDOLL	18	51	6.09	4.53	1.28	0.92	30	HIDE & METZGER	1939
381	UDOLL	0	18	5.37	2.97	2.26	1.13	30	HIDE & METZGER	1939
381	UDOLL	18	51	7.51	4.08	1.63	0.82	30	HIDE & METZGER	1939
382	UDOLL	0	18	6.23	2.57	2.73	0.96	30	HIDE & METZGER	1939
382	UDOLL	18	51	5.84	2.67	1.22	0.52	30	HIDE & METZGER	1939
383	UDOLL	0	15	5.58	4.72	3.00	2.42	30	THOMPSON ET AL	1954
384	UDOLL	0	15	7.33	5.01	4.38	2.61	30	THOMPSON ET AL	1954
385	UDOLL	0	15	6.81	4.98	3.94	2.59	30	THOMPSON ET AL	1954
386	UDOLL	0	15	7.58	6.44	4.61	3.64	30	THOMPSON ET AL	1954
387	UDOLL	0	15	6.77	5.10	3.91	2.67	30	THOMPSON ET AL	1954
388	UDOLL	0	15	5.73	4.97	3.11	2.58	30	THOMPSON ET AL	1954
389	UDOLL	0	15	5.95	5.00	3.27	2.60	30	THOMPSON ET AL	1954
390	UDOLL	0	15	7.05	6.07	4.14	3.36	30	THOMPSON ET AL	1954
391	UDOLL	0	15	5.91	5.48	3.24	2.93	30	THOMPSON ET AL	1954
392	UDOLL	0	15	6.03	4.34	3.33	2.18	30	THOMPSON ET AL	1954
393	UDOLL	0	15	7.74	6.66	4.75	3.82	30	THOMPSON ET AL	1954
394	UDULT	0	15	5.15	2.38	2.70	1.08	25	GIDDENS	1957
395	UDULT	0	15	4.62	2.46	2.35	1.12	25	GIDDENS	1957
396	UDULT	0	15	3.76	1.75	1.83	0.77	25	GIDDENS	1957
397	UDULT	0	15	3.10	1.60	1.46	0.70	25	GIDDENS	1957
398	UDULT	0	15	2.86	2.06	1.33	0.92	3	GIDDENS	1957
399	UDULT	0	15	2.86	0.88	1.33	0.37	80	GIDDENS	1957
400	UDULT	0	15	2.69	2.26	1.24	1.02	8	SANCHEZ ET AL	1983
401	UDULT	0	15	2.69	1.81	1.24	0.80	8	SANCHEZ ET AL	1983
402	ULTISOL	0	25	7.76	6.50	3.98	3.29	1	GLUBCZYNSKI	1983
402	ULTISOL	25	50	3.35	3.35	1.22	1.24	1	GLUBCZYNSKI	1983
403	ULTISOL	0	25	7.76	3.60	3.98	1.53	10	GLUBCZYNSKI	1983
43	ULTISOL	25	50	3.35	3.30	1.22	1.00	10	GLUBCZYNSKI	1983
404	ULTISOL	0	25	7.76	4.05	3.98	1.36	10	GLUBCZYNSKI	1983
404	ULTISOL	25	50	3.35	1.50	1.22	0.53	10	GLUBCZYNSKI	1983
405	ULTISOL	0	25	7.76	6.15	3.98	2.39	50	GLUBCZYNSKI	1983
405	ULTISOL	25	50	3.35	3.21	1.22	1.07	50	GLUBCZYNSKI	1983
406	USTALF	0	10	1.21	0.70	0.80	0.45	49	CHANG	1950
407	USTALF	0	30	2.60	2.07	0.56	0.44	25	CHANG	1950
408	USTALF	0	30	2.60	1.43	0.56	0.30	32	CHANG	1950
408	USTALF	30	61	1.53	1.29	0.31	0.26	32	CHANG	1950
409	USTALF	0	5	1.08	0.85	1.54	1.17	6	MOORMAN ET AL	1975
409	USTALF	5	15	2.12	1.68	1.50	1.15	6	MOORMAN ET AL	1975
409	USTALF	15	45	3.46	3.58	0.76	0.79	6	MOORMAN ET AL	1975
409	USTALF	45	60	0.67	0.88	0.28	0.37	6	MOORMAN ET AL	1975
410	USTALF	0	5	1.08	1.80	1.54	2.87	6	MOORMAN ET AL	1975
410	USTALF	5	15	2.12	2.12	1.50	1.50	6	MOORMAN ET AL	1975
410	USTALF	15	45	3.46	3.46	0.76	0.76	6	MOORMAN ET AL	1975
410	USTALF	45	60	0.67	0.81	0.28	0.34	6	MOORMAN ET AL	1975
411	USTALF	0	15	1.64	1.03	0.72	0.44	50	HAAS & EVANS	1957
411	USTALF	15	30	1.39	1.12	0.60	0.48	50	HAAS & EVANS	1957
412	USTERT	0	15	5.52	2.52	2.96	1.15	60	SMITH ET AL	1954
412	USTERT	15	30	3.78	2.36	1.84	1.07	60	SMITH ET AL	1954
412	USTERT	30	46	2.69	2.75	1.15	1.18	60	SMITH ET AL	1954
412	USTERT	46	61	2.18	2.81	0.98	1.30	60	SMITH ET AL	1954
412	USTERT	61	76	2.22	2.02	1.00	0.90	60	SMITH ET AL	1954
412	USTERT	76	91	2.22	2.12	1.00	0.95	60	SMITH ET AL	1954
413	USTERT	0	15	6.06	3.64	3.35	1.76	60	SMITH ET AL	1954
414	USTERT	0	8	2.46	2.20	2.35	2.04	60	SMITH ET AL	1954
414	USTERT	8	15	1.87	1.92	1.97	2.04	60	SMITH ET AL	1954
414	USTERT	15	30	2.94	4.31	1.37	2.16	60	SMITH ET AL	1954
415	USTERT	0	8	2.11	1.56	1.94	1.36	30	SMITH ET AL	1951
415	USTERT	8	15	1.53	1.34	1.56	1.34	30	SMITH ET AL	1951
415	USTERT	15	23	1.37	1.53	1.18	1.33	30	SMITH ET AL	1951
415	USTERT	23	30	0.99	1.25	0.95	1.23	30	SMITH ET AL	1951
415	USTERT	30	38	0.99	0.97	0.82	0.80	30	SMITH ET AL	1951
416	USTERT	0	15	5.61	3.41	3.02	1.63	45	LAWS & EVANS	1949
416	USTERT	15	30	4.02	2.77	1.98	1.28	45	LAWS & EVANS	1949
416	USTERT	30	46	3.75	3.41	1.69	1.51	45	LAWS & EVANS	1949
416	USTERT	46	76	4.84	5.76	1.10	1.34	45	LAWS & EVANS	1949
416	USTERT	76	102	2.55	2.78	0.64	0.70	45	LAWS & EVANS	1949
417	USTERT	0	15	5.94	3.52	3.26	1.69	80	LAWS & EVANS	1949
417	USTERT	15	30	4.76	3.41	2.44	1.63	80	LAWS & EVANS	1949
417	USTERT	30	46	3.96	3.19	1.80	1.40	80	LAWS & EVANS	1949
417	USTERT	46	76	5.07	4.40	1.16	0.99	80	LAWS & EVANS	1949
418	USTERT	0	15	3.52	3.41	1.69	1.63	30	LAWS & EVANS	1949
418	USTERT	15	30	2.77	2.65	1.28	1.22	30	LAWS & EVANS	1949
418	USTERT	30	46	2.22	2.09	0.93	0.87	30	LAWS & EVANS	1949
418	USTERT	46	76	3.67	2.69	0.81	0.58	30	LAWS & EVANS	1949
419	USTERT	0	15	4.69	2.92	2.40	1.36	60	SHARPLEY	1983
419	USTERT	15	30	3.39	1.94	1.62	0.86	60	SHARPLEY	1983
419	USTERT	30	45	3.07	2.04	1.44	0.91	60	SHARPLEY	1983
419	USTERT	45	60	2.36	2.04	1.07	0.91	60	SHARPLEY	1983

419	USTERT	60	75	1.87	1.77	0.83	0.78	60	SHARPLEY	1983
419	USTERT	75	90	1.98	1.69	0.88	0.74	60	SHARPLEY	1983
420	USTOLL	0	15	10.33	7.26	7.65	4.32	18	DORMAAR	1979
421	USTOLL	0	15	7.23	4.44	4.30	2.24	20	DORMAAR	1979
422	USTOLL	0	15	8.54	6.53	5.54	3.71	9	DORMAAR	1979
423	USTOLL	0	10	4.42	3.43	3.79	2.70	80	GODLIN & SON'KO	1970
423	USTOLL	10	20	3.88	3.41	3.17	2.68	80	GODLIN & SON'KO	1970
423	USTOLL	25	35	3.29	3.31	2.56	2.58	80	GODLIN & SON'KO	1970
424	USTOLL	0	10	4.06	3.65	3.37	2.92	80	GODLIN & SON'KO	1970
424	USTOLL	10	20	3.84	3.50	3.13	2.77	80	GODLIN & SON'KO	1970
424	USTOLL	25	35	3.61	2.32	2.88	1.67	80	GODLIN & SON'KO	1970
425	USTOLL	0	10	3.21	2.78	2.48	2.07	80	GODLIN & SON'KO	1970
425	USTOLL	10	20	2.98	2.69	2.26	1.99	80	GODLIN & SON'KO	1970
425	USTOLL	25	35	2.72	2.98	2.02	2.26	80	GODLIN & SON'KO	1970
426	USTOLL	0	15	5.68	2.40	3.07	1.09	60	SMITH ET AL	1954
426	USTOLL	20	30	2.79	1.10	2.08	0.72	60	SMITH ET AL	1954
426	USTOLL	36	46	2.18	.	1.55	.	60	SMITH ET AL	1954
426	USTOLL	38	61	.	2.19	.	0.62	60	SMITH ET AL	1954
426	USTOLL	46	61	2.48	.	1.13	.	60	SMITH ET AL	1954
426	USTOLL	61	91	3.58	1.75	0.79	0.37	60	SMITH ET AL	1954
427	USTOLL	0	15	4.30	2.18	2.15	0.98	60	SMITH ET AL	1954
428	USTOLL	0	20	12.04	10.37	6.06	4.79	80	KONONOVA	1966
428	USTOLL	20	30	5.00	4.98	4.53	4.51	80	KONONOVA	1966
429	USTOLL	0	15	4.34	2.73	2.18	1.26	12	NEWTON ET AL	1945
429	USTOLL	15	30	3.18	3.10	1.50	1.46	12	NEWTON ET AL	1945
430	USTOLL	0	15	6.42	5.90	3.63	3.23	3	NEWTON ET AL	1945
430	USTOLL	15	30	2.34	2.50	1.06	1.14	3	NEWTON ET AL	1945
431	USTOLL	0	15	2.75	2.69	1.27	1.24	26	NEWTON ET AL	1945
431	USTOLL	15	30	2.20	2.04	0.99	0.91	26	NEWTON ET AL	1945
432	USTOLL	0	15	2.98	2.71	1.39	1.25	13	NEWTON ET AL	1945
432	USTOLL	15	30	2.12	2.10	0.95	0.94	13	NEWTON ET AL	1945
433	USTOLL	0	15	3.68	2.77	1.78	1.28	23	NEWTON ET AL	1945
433	USTOLL	15	30	2.40	2.32	1.09	1.05	23	NEWTON ET AL	1945
434	USTOLL	0	15	3.61	3.48	1.74	1.67	11	NEWTON ET AL	1945
434	USTOLL	15	30	1.83	2.08	0.81	0.93	11	NEWTON ET AL	1945
435	USTOLL	0	15	6.95	4.55	4.06	2.31	20	NEWTON ET AL	1945
435	USTOLL	15	30	2.69	2.00	1.24	0.89	20	NEWTON ET AL	1945
436	USTOLL	0	15	6.65	3.83	3.81	1.87	9	NEWTON ET AL	1945
436	USTOLL	15	30	2.14	2.00	0.96	0.89	9	NEWTON ET AL	1945
437	USTOLL	0	15	6.15	6.24	3.42	3.49	15	NEWTON ET AL	1945
437	USTOLL	15	30	2.82	2.28	1.31	1.03	15	NEWTON ET AL	1945
438	USTOLL	0	15	8.36	6.02	5.35	3.32	30	NEWTON ET AL	1945
438	USTOLL	15	30	2.75	2.81	1.27	1.30	30	NEWTON ET AL	1945
439	USTOLL	0	15	6.30	6.20	3.53	3.46	14	NEWTON ET AL	1945
439	USTOLL	15	30	4.25	3.23	2.12	1.53	14	NEWTON ET AL	1945
440	USTOLL	0	18	7.91	5.82	3.76	2.50	25	SWANSON & LATSHAW	1919
440	USTOLL	18	51	10.80	9.56	2.54	2.18	25	SWANSON & LATSHAW	1919
440	USTOLL	51	102	8.36	11.66	1.12	1.64	25	SWANSON & LATSHAW	1919
440	USTOLL	102	203	4.19	13.32	0.26	0.88	25	SWANSON & LATSHAW	1919
440	USTOLL	203	305	3.28	1.98	0.20	0.12	25	SWANSON & LATSHAW	1919
441	USTOLL	0	18	4.80	2.97	1.97	1.13	25	SWANSON & LATSHAW	1919
441	USTOLL	18	51	4.44	4.80	0.90	0.98	25	SWANSON & LATSHAW	1919
441	USTOLL	51	102	3.67	9.86	0.46	1.35	25	SWANSON & LATSHAW	1919
441	USTOLL	102	203	4.50	7.86	0.28	0.50	25	SWANSON & LATSHAW	1919
442	USTOLL	0	18	4.80	4.22	1.97	1.69	25	SWANSON & LATSHAW	1919
442	USTOLL	18	51	4.44	4.44	0.90	0.90	25	SWANSON & LATSHAW	1919
442	USTOLL	51	102	3.67	1.88	0.46	0.23	25	SWANSON & LATSHAW	1919
442	USTOLL	102	203	4.50	21.27	0.28	1.49	25	SWANSON & LATSHAW	1919
443	USTOLL	0	18	5.98	4.31	2.59	1.73	25	SWANSON & LATSHAW	1919
443	USTOLL	18	51	7.55	5.96	1.64	1.25	25	SWANSON & LATSHAW	1919
443	USTOLL	51	102	6.93	5.52	0.91	0.71	25	SWANSON & LATSHAW	1919
443	USTOLL	102	203	5.59	5.12	0.35	0.32	25	SWANSON & LATSHAW	1919
444	USTOLL	0	18	5.98	5.00	2.59	2.07	25	SWANSON & LATSHAW	1919
444	USTOLL	18	51	7.55	6.38	1.64	1.35	25	SWANSON & LATSHAW	1919
444	USTOLL	51	102	6.93	6.16	0.91	0.80	25	SWANSON & LATSHAW	1919
444	USTOLL	102	203	5.59	8.16	0.35	0.52	25	SWANSON & LATSHAW	1919
445	USTOLL	0	18	5.54	3.90	2.35	1.54	25	SWANSON & LATSHAW	1919
445	USTOLL	18	51	6.59	5.92	1.40	1.24	25	SWANSON & LATSHAW	1919
445	USTOLL	51	102	6.79	7.00	0.89	0.92	25	SWANSON & LATSHAW	1919
445	USTOLL	102	203	10.64	9.04	0.69	0.58	25	SWANSON & LATSHAW	1919
446	USTOLL	0	18	5.54	4.26	2.35	1.71	25	SWANSON & LATSHAW	1919
446	USTOLL	18	51	6.59	5.45	1.40	1.13	25	SWANSON & LATSHAW	1919
446	USTOLL	51	102	6.79	8.03	0.89	1.07	25	SWANSON & LATSHAW	1919
446	USTOLL	102	203	10.64	9.77	0.69	0.63	25	SWANSON & LATSHAW	1919
447	USTOLL	0	18	5.41	2.95	2.28	1.12	25	SWANSON & LATSHAW	1919
447	USTOLL	18	51	4.93	4.80	1.01	0.98	25	SWANSON & LATSHAW	1919
447	USTOLL	51	102	3.21	3.89	0.40	0.49	25	SWANSON & LATSHAW	1919
447	USTOLL	102	203	9.34	6.50	0.60	0.41	25	SWANSON & LATSHAW	1919
448	USTOLL	0	18	5.41	4.68	2.28	1.91	25	SWANSON & LATSHAW	1919
448	USTOLL	18	51	4.93	3.62	1.01	0.72	25	SWANSON & LATSHAW	1919
448	USTOLL	51	102	3.21	3.28	0.40	0.41	25	SWANSON & LATSHAW	1919
448	USTOLL	102	203	9.34	2.61	0.60	0.16	25	SWANSON & LATSHAW	1919
449	USTOLL	0	18	6.11	3.21	2.66	1.23	25	SWANSON & LATSHAW	1919

449	USTOLL	18	51	6.46	4.80	1.37	0.98	25	SWANSON & LATSHAW	1919
449	USTOLL	51	102	6.09	3.97	0.79	0.50	25	SWANSON & LATSHAW	1919
450	USTOLL	0	18	6.11	5.46	2.66	2.31	25	SWANSON & LATSHAW	1919
450	USTOLL	18	51	6.46	7.51	1.37	1.63	25	SWANSON & LATSHAW	1919
450	USTOLL	51	102	6.09	6.16	0.79	0.80	25	SWANSON & LATSHAW	1919
451	USTOLL	0	18	5.74	4.49	2.46	1.82	25	SWANSON & LATSHAW	1919
451	USTOLL	18	51	7.43	5.19	1.61	1.07	25	SWANSON & LATSHAW	1919
451	USTOLL	51	102	8.36	7.28	1.12	0.96	25	SWANSON & LATSHAW	1919
451	USTOLL	102	203	5.74	14.14	0.36	0.94	25	SWANSON & LATSHAW	1919
452	USTOLL	0	18	5.74	4.49	2.46	1.82	25	SWANSON & LATSHAW	1919
452	USTOLL	18	51	7.43	5.75	1.61	1.20	25	SWANSON & LATSHAW	1919
452	USTOLL	51	102	8.36	6.51	1.12	0.85	25	SWANSON & LATSHAW	1919
452	USTOLL	102	203	5.74	5.59	0.36	0.35	25	SWANSON & LATSHAW	1919
453	USTOLL	0	18	6.05	4.88	2.63	2.01	25	SWANSON & LATSHAW	1919
453	USTOLL	18	51	6.71	5.71	1.43	1.19	25	SWANSON & LATSHAW	1919
453	USTOLL	51	102	5.81	5.01	0.75	0.64	25	SWANSON & LATSHAW	1919
453	USTOLL	102	203	10.50	6.05	0.68	0.38	25	SWANSON & LATSHAW	1919
454	USTOLL	0	18	6.05	4.86	2.63	2.00	25	SWANSON & LATSHAW	1919
454	USTOLL	18	51	6.71	6.01	1.43	1.26	25	SWANSON & LATSHAW	1919
454	USTOLL	51	102	5.81	6.16	0.75	0.80	25	SWANSON & LATSHAW	1919
454	USTOLL	102	203	10.50	5.12	0.68	0.32	25	SWANSON & LATSHAW	1919
455	USTOLL	0	18	6.75	4.98	3.03	2.06	25	SWANSON & LATSHAW	1919
455	USTOLL	18	51	6.95	7.35	1.49	1.59	25	SWANSON & LATSHAW	1919
455	USTOLL	51	102	6.37	6.44	0.83	0.84	25	SWANSON & LATSHAW	1919
455	USTOLL	102	203	4.19	7.86	0.26	0.50	25	SWANSON & LATSHAW	1919
456	USTOLL	0	18	6.75	5.84	3.03	2.51	25	SWANSON & LATSHAW	1919
456	USTOLL	18	51	6.95	6.87	1.49	1.47	25	SWANSON & LATSHAW	1919
456	USTOLL	51	102	6.37	5.95	0.83	0.77	25	SWANSON & LATSHAW	1919
456	USTOLL	102	203	4.19	9.92	0.26	0.64	25	SWANSON & LATSHAW	1919
457	USTOLL	0	18	6.93	7.08	3.14	3.23	25	SWANSON & LATSHAW	1919
457	USTOLL	18	51	7.35	6.55	1.59	1.39	25	SWANSON & LATSHAW	1919
457	USTOLL	51	102	6.09	9.48	0.79	1.29	25	SWANSON & LATSHAW	1919
457	USTOLL	102	203	6.20	6.96	0.39	0.44	25	SWANSON & LATSHAW	1919
458	USTOLL	0	18	6.51	5.04	2.89	2.09	25	SWANSON & LATSHAW	1919
458	USTOLL	18	51	6.67	5.15	1.42	1.06	25	SWANSON & LATSHAW	1919
459	USTOLL	0	18	4.41	3.46	1.78	1.34	25	SWANSON & LATSHAW	1919
459	USTOLL	18	51	4.53	5.88	0.92	1.23	25	SWANSON & LATSHAW	1919
460	USTOLL	0	18	7.83	6.09	3.71	2.65	25	SWANSON & LATSHAW	1919
460	USTOLL	18	51	6.75	7.89	1.44	1.73	25	SWANSON & LATSHAW	1919
461	USTOLL	0	18	3.32	4.20	1.28	1.68	25	SWANSON & LATSHAW	1919
461	USTOLL	18	51	2.03	4.62	0.39	0.94	25	SWANSON & LATSHAW	1919
461	USTOLL	51	102	1.64	5.15	0.20	0.66	25	SWANSON & LATSHAW	1919
461	USTOLL	102	203	2.12	11.50	0.13	0.75	25	SWANSON & LATSHAW	1919
462	USTOLL	0	18	3.32	4.68	1.28	1.91	25	SWANSON & LATSHAW	1919
462	USTOLL	18	51	2.03	2.91	0.39	0.57	25	SWANSON & LATSHAW	1919
462	USTOLL	51	102	1.64	3.82	0.20	0.48	25	SWANSON & LATSHAW	1919
462	USTOLL	102	203	2.12	11.64	0.13	0.76	25	SWANSON & LATSHAW	1919
463	USTOLL	0	18	7.66	4.49	3.60	1.82	25	SWANSON & LATSHAW	1919
463	USTOLL	18	51	4.75	4.49	0.97	0.91	25	SWANSON & LATSHAW	1919
463	USTOLL	51	102	4.27	6.58	0.54	0.86	25	SWANSON & LATSHAW	1919
463	USTOLL	102	203	11.78	9.63	0.77	0.62	25	SWANSON & LATSHAW	1919
463	USTOLL	203	305	4.07	7.64	0.25	0.48	25	SWANSON & LATSHAW	1919
464	USTOLL	0	18	7.66	5.02	3.60	2.08	25	SWANSON & LATSHAW	1919
464	USTOLL	18	51	4.75	3.10	0.97	0.61	25	SWANSON & LATSHAW	1919
464	USTOLL	51	102	4.27	2.67	0.54	0.33	25	SWANSON & LATSHAW	1919
464	USTOLL	102	203	11.78	9.34	0.77	0.60	25	SWANSON & LATSHAW	1919
464	USTOLL	203	305	4.07	4.70	0.25	0.29	25	SWANSON & LATSHAW	1919
465	USTOLL	0	18	4.16	3.77	1.66	1.48	25	SWANSON & LATSHAW	1919
465	USTOLL	18	51	4.84	3.29	0.99	0.65	25	SWANSON & LATSHAW	1919
466	USTOLL	0	18	4.33	4.16	1.74	1.66	25	SWANSON & LATSHAW	1919
466	USTOLL	18	51	3.48	4.84	0.69	0.99	25	SWANSON & LATSHAW	1919
467	USTOLL	0	18	4.74	4.05	1.94	1.61	25	SWANSON & LATSHAW	1919
467	USTOLL	18	51	2.37	3.52	0.46	0.70	25	SWANSON & LATSHAW	1919
467	USTOLL	51	102	2.43	3.97	0.30	0.50	25	SWANSON & LATSHAW	1919
467	USTOLL	102	203	9.48	10.93	0.61	0.71	25	SWANSON & LATSHAW	1919
468	USTOLL	0	18	4.20	4.72	1.68	1.93	25	SWANSON & LATSHAW	1919
468	USTOLL	18	51	3.38	5.02	0.67	1.03	25	SWANSON & LATSHAW	1919
468	USTOLL	51	102	3.74	6.09	0.47	0.79	25	SWANSON & LATSHAW	1919
468	USTOLL	102	203	2.12	7.71	0.13	0.49	25	SWANSON & LATSHAW	1919
468	USTOLL	203	305	0.83	2.63	0.05	0.16	25	SWANSON & LATSHAW	1919
469	USTOLL	0	18	2.40	2.62	0.89	0.98	25	SWANSON & LATSHAW	1919
469	USTOLL	18	51	1.57	3.43	0.30	0.68	25	SWANSON & LATSHAW	1919
469	USTOLL	51	102	2.98	7.00	0.37	0.92	25	SWANSON & LATSHAW	1919
469	USTOLL	102	203	3.72	0.33	0.23	0.02	25	SWANSON & LATSHAW	1919
470	USTOLL	0	18	2.40	4.94	0.89	2.04	25	SWANSON & LATSHAW	1919
470	USTOLL	18	51	1.57	4.12	0.30	0.83	25	SWANSON & LATSHAW	1919
470	USTOLL	51	102	2.98	5.23	0.37	0.67	25	SWANSON & LATSHAW	1919
470	USTOLL	102	203	3.72	1.64	0.23	0.10	25	SWANSON & LATSHAW	1919
471	USTOLL	0	18	5.18	3.16	2.16	1.21	25	SWANSON & LATSHAW	1919
471	USTOLL	18	51	3.29	3.00	0.65	0.59	25	SWANSON & LATSHAW	1919
471	USTOLL	51	102	2.43	1.48	0.30	0.18	25	SWANSON & LATSHAW	1919
471	USTOLL	102	183	4.23	1.18	0.33	0.09	25	SWANSON & LATSHAW	1919
472	USTOLL	0	18	5.18	5.31	2.16	2.23	25	SWANSON & LATSHAW	1919

472	USTOLL	18	51	3.29	4.44	0.65	0.90	25	SWANSON & LATSHAW	1919
472	USTOLL	51	102	2.43	3.21	0.30	0.40	25	SWANSON & LATSHAW	1919
472	USTOLL	102	183	4.23	1.70	0.33	0.13	25	SWANSON & LATSHAW	1919
473	USTOLL	0	18	0.83	3.68	0.29	1.44	25	SWANSON & LATSHAW	1919
473	USTOLL	18	51	2.22	2.91	0.43	0.57	25	SWANSON & LATSHAW	1919
473	USTOLL	51	102	4.42	2.43	0.56	0.30	25	SWANSON & LATSHAW	1919
473	USTOLL	102	183	10.12	3.61	0.83	0.28	25	SWANSON & LATSHAW	1919
474	USTOLL	0	18	5.39	4.51	2.27	1.83	25	SWANSON & LATSHAW	1919
474	USTOLL	18	51	5.75	5.84	1.20	1.22	25	SWANSON & LATSHAW	1919
474	USTOLL	51	102	5.45	3.05	0.70	0.38	25	SWANSON & LATSHAW	1919
474	USTOLL	102	183	4.11	4.60	0.32	0.36	25	SWANSON & LATSHAW	1919
475	USTOLL	0	18	4.64	4.37	1.89	1.76	25	SWANSON & LATSHAW	1919
475	USTOLL	18	51	5.37	3.34	1.11	0.66	25	SWANSON & LATSHAW	1919
475	USTOLL	51	102	3.74	3.13	0.47	0.39	25	SWANSON & LATSHAW	1919
476	USTOLL	0	30	9.39	5.99	2.40	1.40	35	DOUGHTY ET AL	1954
476	USTOLL	30	61	4.26	3.40	0.92	0.72	35	DOUGHTY ET AL	1954
476	USTOLL	61	91	5.38	3.96	1.24	0.88	35	DOUGHTY ET AL	1954
476	USTOLL	91	122	3.27	3.40	0.69	0.72	35	DOUGHTY ET AL	1954
476	USTOLL	122	152	2.73	2.16	0.59	0.46	35	DOUGHTY ET AL	1954
476	USTOLL	152	183	1.90	2.18	0.39	0.45	35	DOUGHTY ET AL	1954
476	USTOLL	183	213	1.84	2.11	0.39	0.45	35	DOUGHTY ET AL	1954
476	USTOLL	213	244	1.53	2.00	0.31	0.41	35	DOUGHTY ET AL	1954
477	USTOLL	0	30	7.52	5.76	1.83	1.34	35	DOUGHTY ET AL	1954
477	USTOLL	30	61	4.80	4.09	1.05	0.88	35	DOUGHTY ET AL	1954
477	USTOLL	61	91	4.04	3.83	0.90	0.85	35	DOUGHTY ET AL	1954
477	USTOLL	91	122	3.92	3.22	0.84	0.68	35	DOUGHTY ET AL	1954
477	USTOLL	122	152	3.79	2.20	0.84	0.47	35	DOUGHTY ET AL	1954
477	USTOLL	152	183	2.27	0.45	0.47	0.09	35	DOUGHTY ET AL	1954
477	USTOLL	183	213	0.20	0.29	0.04	0.06	35	DOUGHTY ET AL	1954
477	USTOLL	213	244	0.25	0.45	0.05	0.09	35	DOUGHTY ET AL	1954
478	USTOLL	0	30	7.69	5.31	1.88	1.22	35	DOUGHTY ET AL	1954
478	USTOLL	30	61	5.48	3.92	1.22	0.84	35	DOUGHTY ET AL	1954
478	USTOLL	61	91	5.15	4.08	1.18	0.91	35	DOUGHTY ET AL	1954
478	USTOLL	91	122	3.75	3.96	0.80	0.85	35	DOUGHTY ET AL	1954
478	USTOLL	122	152	3.87	3.16	0.86	0.69	35	DOUGHTY ET AL	1954
478	USTOLL	152	183	4.13	3.31	0.89	0.70	35	DOUGHTY ET AL	1954
478	USTOLL	183	213	3.75	3.12	0.83	0.68	35	DOUGHTY ET AL	1954
478	USTOLL	213	244	3.75	3.31	0.80	0.70	35	DOUGHTY ET AL	1954
478	USTOLL	244	274	2.95	3.20	0.64	0.70	35	DOUGHTY ET AL	1954
478	USTOLL	274	305	3.04	3.31	0.64	0.70	35	DOUGHTY ET AL	1954
479	USTOLL	0	30	6.43	4.96	1.52	1.13	50	DANIEL AND LANGHA	1936
480	USTOLL	0	30	3.50	4.80	0.77	1.09	50	DANIEL AND LANGHA	1936
481	USTOLL	0	30	6.17	3.96	1.45	0.88	50	DANIEL AND LANGHA	1936
482	USTOLL	0	30	5.54	3.71	1.28	0.82	50	DANIEL AND LANGHA	1936
483	USTOLL	0	30	3.46	3.07	0.76	0.67	50	DANIEL AND LANGHA	1936
484	USTOLL	0	30	5.31	4.28	1.22	0.96	50	DANIEL AND LANGHA	1936
485	USTOLL	0	30	5.11	3.75	1.17	0.83	50	DANIEL AND LANGHA	1936
486	USTOLL	0	30	4.64	2.86	1.05	0.62	50	DANIEL AND LANGHA	1936
487	USTOLL	0	30	5.42	1.98	1.25	0.42	50	DANIEL AND LANGHA	1936
488	USTOLL	0	30	4.20	4.64	0.94	1.05	50	DANIEL AND LANGHA	1936
489	USTOLL	0	30	3.50	3.91	0.77	0.87	50	DANIEL AND LANGHA	1936
490	USTOLL	0	30	4.64	4.08	1.05	0.91	50	DANIEL AND LANGHA	1936
490	USTOLL	30	46	2.58	2.41	1.10	1.02	50	DANIEL AND LANGHA	1936
491	USTOLL	0	30	4.40	5.11	0.99	1.17	50	DANIEL AND LANGHA	1936
491	USTOLL	30	46	2.41	2.41	1.02	1.02	50	DANIEL AND LANGHA	1936
492	USTOLL	0	30	5.31	4.52	1.22	1.02	50	DANIEL AND LANGHA	1936
492	USTOLL	30	46	2.71	2.62	1.16	1.12	50	DANIEL AND LANGHA	1936
493	USTOLL	0	30	3.33	3.33	0.73	0.73	50	DANIEL AND LANGHA	1936
493	USTOLL	30	46	1.93	1.73	0.80	0.71	50	DANIEL AND LANGHA	1936
494	USTOLL	0	30	5.61	4.20	1.30	0.94	50	DANIEL AND LANGHA	1936
494	USTOLL	30	46	1.84	1.96	0.76	0.81	50	DANIEL AND LANGHA	1936
495	USTOLL	0	30	5.04	4.04	1.15	0.90	50	DANIEL AND LANGHA	1936
496	USTOLL	0	30	3.91	4.00	0.87	0.89	50	DANIEL AND LANGHA	1936
496	USTOLL	30	46	1.71	2.09	0.70	0.87	50	DANIEL AND LANGHA	1936
497	USTOLL	0	30	3.33	4.20	0.73	0.94	50	DANIEL AND LANGHA	1936
497	USTOLL	30	46	2.22	2.18	0.93	0.91	50	DANIEL AND LANGHA	1936
498	USTOLL	0	30	4.92	4.76	1.12	1.08	50	DANIEL AND LANGHA	1936
498	USTOLL	30	46	2.39	2.02	1.01	0.84	50	DANIEL AND LANGHA	1936
499	USTOLL	0	30	2.86	2.86	0.62	0.62	50	DANIEL AND LANGHA	1936
499	USTOLL	30	46	1.64	1.73	0.67	0.71	50	DANIEL AND LANGHA	1936
500	USTOLL	0	30	4.20	3.91	0.94	0.87	50	DANIEL AND LANGHA	1936
500	USTOLL	30	46	2.18	2.00	0.91	0.83	50	DANIEL AND LANGHA	1936
501	USTOLL	0	30	4.64	4.44	1.05	1.00	50	DANIEL AND LANGHA	1936
501	USTOLL	30	46	1.96	2.09	0.81	0.87	50	DANIEL AND LANGHA	1936
502	USTOLL	0	30	3.46	3.03	0.76	0.66	50	DANIEL AND LANGHA	1936
502	USTOLL	30	46	2.71	1.78	1.16	0.73	50	DANIEL AND LANGHA	1936
503	USTOLL	0	30	6.57	4.32	1.56	0.97	50	DANIEL AND LANGHA	1936
504	USTOLL	0	30	5.46	4.72	1.26	1.07	50	DANIEL AND LANGHA	1936
505	USTOLL	0	30	7.52	4.76	1.83	1.08	50	DANIEL AND LANGHA	1936
506	USTOLL	0	30	5.76	4.56	1.34	1.03	50	DANIEL AND LANGHA	1936
507	USTOLL	0	30	7.76	4.92	1.90	1.12	50	DANIEL AND LANGHA	1936
508	USTOLL	0	30	8.23	4.64	2.04	1.05	50	DANIEL AND LANGHA	1936
509	USTOLL	0	30	6.57	6.36	1.56	1.50	50	DANIEL AND LANGHA	1936

510	USTOLL	0	30	8.63	5.91	2.16	1.38	50	DANIEL AND LANGHA	1936
511	USTOLL	0	30	5.57	5.42	1.29	1.25	50	DANIEL AND LANGHA	1936
512	USTOLL	0	30	6.72	6.86	1.60	1.64	50	DANIEL AND LANGHA	1936
513	USTOLL	0	30	6.25	4.52	1.47	1.02	50	DANIEL AND LANGHA	1936
513	USTOLL	30	46	3.07	2.48	1.34	1.05	50	DANIEL AND LANGHA	1936
514	USTOLL	0	30	6.75	6.43	1.61	1.52	50	DANIEL AND LANGHA	1936
514	USTOLL	30	46	3.77	3.64	1.70	1.63	50	DANIEL AND LANGHA	1936
515	USTOLL	0	30	5.46	5.19	1.26	1.19	50	DANIEL AND LANGHA	1936
515	USTOLL	30	46	2.41	2.41	1.02	1.02	50	DANIEL AND LANGHA	1936
516	USTOLL	0	30	8.40	6.75	2.09	1.61	50	DANIEL AND LANGHA	1936
516	USTOLL	30	46	3.23	2.69	1.42	1.15	50	DANIEL AND LANGHA	1936
517	USTOLL	0	30	6.54	4.56	1.55	1.03	50	DANIEL AND LANGHA	1936
517	USTOLL	30	46	2.24	2.26	0.94	0.95	50	DANIEL AND LANGHA	1936
518	USTOLL	0	30	5.91	5.57	1.38	1.29	50	DANIEL AND LANGHA	1936
518	USTOLL	30	46	2.83	2.64	1.22	1.13	50	DANIEL AND LANGHA	1936
519	USTOLL	0	30	6.65	5.57	1.58	1.29	50	DANIEL AND LANGHA	1936
519	USTOLL	30	46	2.83	2.28	1.22	0.96	50	DANIEL AND LANGHA	1936
520	USTOLL	0	30	5.31	4.96	1.22	1.13	50	DANIEL AND LANGHA	1936
520	USTOLL	30	46	2.48	2.50	1.05	1.06	50	DANIEL AND LANGHA	1936
521	USTOLL	0	30	4.44	5.07	1.00	1.16	50	DANIEL AND LANGHA	1936
521	USTOLL	30	46	2.20	2.31	0.92	0.97	50	DANIEL AND LANGHA	1936
522	USTOLL	0	30	5.42	6.28	1.25	1.48	50	DANIEL AND LANGHA	1936
522	USTOLL	30	46	1.80	2.43	0.74	1.03	50	DANIEL AND LANGHA	1936
523	USTOLL	0	30	6.90	3.33	1.65	0.73	50	DANIEL AND LANGHA	1936
523	USTOLL	30	46	2.64	2.69	1.13	1.15	50	DANIEL AND LANGHA	1936
524	USTOLL	0	30	6.43	6.14	1.52	1.44	50	DANIEL AND LANGHA	1936
524	USTOLL	30	46	2.39	2.62	1.01	1.12	50	DANIEL AND LANGHA	1936
525	USTOLL	0	30	5.65	6.54	1.31	1.55	50	DANIEL AND LANGHA	1936
525	USTOLL	30	46	2.39	2.97	1.01	1.29	50	DANIEL AND LANGHA	1936
526	USTOLL	0	30	5.88	6.14	1.37	1.44	50	DANIEL AND LANGHA	1936
526	USTOLL	30	46	3.13	2.85	1.37	1.23	50	DANIEL AND LANGHA	1936
527	USTOLL	0	30	4.92	3.79	1.12	0.84	50	DANIEL AND LANGHA	1936
527	USTOLL	30	46	2.54	1.98	1.08	0.82	50	DANIEL AND LANGHA	1936
528	USTOLL	0	30	6.54	4.64	1.55	1.05	50	DANIEL AND LANGHA	1936
528	USTOLL	30	46	2.58	2.56	1.10	1.09	50	DANIEL AND LANGHA	1936
529	USTOLL	0	30	5.54	5.69	1.28	1.32	50	DANIEL AND LANGHA	1936
530	USTOLL	0	30	6.86	5.27	1.64	1.21	50	DANIEL AND LANGHA	1936
531	USTOLL	0	30	6.82	4.44	1.63	1.00	50	DANIEL AND LANGHA	1936
532	USTOLL	0	30	7.52	6.61	1.83	1.57	50	DANIEL AND LANGHA	1936
533	USTOLL	0	30	8.85	6.28	2.23	1.48	50	DANIEL AND LANGHA	1936
534	USTOLL	0	30	7.86	6.25	1.93	1.47	50	DANIEL AND LANGHA	1936
535	USTOLL	0	30	6.14	6.32	1.44	1.49	50	DANIEL AND LANGHA	1936
536	USTOLL	0	30	9.45	6.97	2.42	1.67	50	DANIEL AND LANGHA	1936
536	USTOLL	30	46	3.83	3.37	1.73	1.49	50	DANIEL AND LANGHA	1936
537	USTOLL	0	30	6.97	5.19	1.67	1.19	50	DANIEL AND LANGHA	1936
537	USTOLL	30	46	3.01	2.18	1.31	0.91	50	DANIEL AND LANGHA	1936
538	USTOLL	0	30	6.02	5.88	1.41	1.37	50	DANIEL AND LANGHA	1936
538	USTOLL	30	46	2.69	2.91	1.15	1.26	50	DANIEL AND LANGHA	1936
539	USTOLL	0	30	4.64	5.04	1.05	1.15	50	DANIEL AND LANGHA	1936
539	USTOLL	30	46	2.66	1.78	1.14	0.73	50	DANIEL AND LANGHA	1936
540	USTOLL	0	15	3.74	1.83	1.82	0.81	50	MEINTS & PETERSON	1977
540	USTOLL	15	30	2.42	1.32	1.10	0.57	50	MEINTS & PETERSON	1977
540	USTOLL	30	46	1.82	1.01	0.75	0.40	50	MEINTS & PETERSON	1977
540	USTOLL	46	61	1.41	0.62	0.61	0.26	50	MEINTS & PETERSON	1977
540	USTOLL	61	91	2.38	1.10	0.51	0.23	50	MEINTS & PETERSON	1977
540	USTOLL	91	122	1.90	0.75	0.39	0.15	50	MEINTS & PETERSON	1977
540	USTOLL	122	152	1.38	0.53	0.29	0.11	50	MEINTS & PETERSON	1977
540	USTOLL	152	183	0.85	0.50	0.17	0.10	50	MEINTS & PETERSON	1977
540	USTOLL	183	213	0.63	0.49	0.13	0.10	50	MEINTS & PETERSON	1977
540	USTOLL	213	244	0.65	0.45	0.13	0.09	50	MEINTS & PETERSON	1977
540	USTOLL	244	274	0.44	0.53	0.09	0.11	50	MEINTS & PETERSON	1977
540	USTOLL	274	304	0.44	0.63	0.09	0.13	50	MEINTS & PETERSON	1977
541	USTOLL	0	15	3.29	1.79	1.56	0.79	50	MEINTS & PETERSON	1977
541	USTOLL	15	30	2.22	1.47	1.00	0.64	50	MEINTS & PETERSON	1977
541	USTOLL	30	46	1.57	1.46	0.64	0.59	50	MEINTS & PETERSON	1977
541	USTOLL	46	61	1.08	1.21	0.46	0.52	50	MEINTS & PETERSON	1977
541	USTOLL	61	91	2.02	1.93	0.43	0.41	50	MEINTS & PETERSON	1977
541	USTOLL	91	122	1.53	1.53	0.31	0.31	50	MEINTS & PETERSON	1977
541	USTOLL	122	152	0.77	1.15	0.16	0.24	50	MEINTS & PETERSON	1977
541	USTOLL	152	183	0.45	0.80	0.09	0.16	50	MEINTS & PETERSON	1977
542	USTOLL	0	15	2.69	1.94	1.24	0.86	50	MEINTS & PETERSON	1977
542	USTOLL	15	30	2.44	1.28	1.11	0.55	50	MEINTS & PETERSON	1977
542	USTOLL	30	46	1.10	0.98	0.44	0.39	50	MEINTS & PETERSON	1977
542	USTOLL	46	61	0.74	0.67	0.31	0.28	50	MEINTS & PETERSON	1977
542	USTOLL	61	91	0.87	0.68	0.18	0.14	50	MEINTS & PETERSON	1977
542	USTOLL	91	122	0.35	0.55	0.07	0.11	50	MEINTS & PETERSON	1977
542	USTOLL	122	152	0.29	0.53	0.06	0.11	50	MEINTS & PETERSON	1977
543	USTOLL	0	15	2.90	1.81	1.35	0.80	50	MEINTS & PETERSON	1977
543	USTOLL	15	30	2.32	1.58	1.05	0.69	50	MEINTS & PETERSON	1977
543	USTOLL	30	46	2.31	0.76	0.97	0.30	50	MEINTS & PETERSON	1977
543	USTOLL	46	61	0.60	0.32	0.25	0.13	50	MEINTS & PETERSON	1977
543	USTOLL	61	91	0.92	0.29	0.19	0.06	50	MEINTS & PETERSON	1977
544	USTOLL	0	18	5.23	2.79	2.19	1.05	30	HIDE & METZGER	1939

544	USTOLL	18	51	4.71	4.35	0.96	0.88	30	HIDE & METZGER	1939
545	USTOLL	0	18	5.58	3.28	2.37	1.26	30	HIDE & METZGER	1939
545	USTOLL	18	51	6.95	4.35	1.49	0.88	30	HIDE & METZGER	1939
546	USTOLL	0	15	4.28	2.48	2.14	1.13	30	THOMPSON ET AL	1954
547	USTOLL	0	15	4.39	3.36	2.21	1.60	30	THOMPSON ET AL	1954
548	USTOLL	0	15	3.69	3.43	1.79	1.64	30	THOMPSON ET AL	1954
549	USTOLL	0	15	4.23	3.09	2.11	1.45	44	HAAS & EVANS	1957
549	USTOLL	15	30	3.16	2.92	1.49	1.36	44	HAAS & EVANS	1957
549	USTOLL	30	61	4.63	4.38	1.01	0.95	44	HAAS & EVANS	1957
550	USTOLL	0	15	3.47	2.60	1.66	1.19	41	HAAS & EVANS	1957
550	USTOLL	15	30	2.36	2.63	1.07	1.21	41	HAAS & EVANS	1957
551	USTOLL	0	15	2.86	1.77	1.33	0.78	45	HAAS & EVANS	1957
551	USTOLL	15	30	1.87	1.73	0.83	0.76	45	HAAS & EVANS	1957
552	USTOLL	0	15	3.03	1.75	1.42	0.77	50	HAAS & EVANS	1957
552	USTOLL	15	30	1.79	1.49	0.79	0.65	50	HAAS & EVANS	1957
553	USTOLL	0	15	3.76	2.24	1.83	1.01	52	HAAS & EVANS	1957
554	USTOLL	0	15	2.48	1.58	1.13	0.69	50	HAAS & EVANS	1957
555	XERALF	0	12	1.14	2.97	0.77	2.03	33	BARROW	1969
556	XERALF	0	12	1.20	3.35	0.84	2.20	40	BARROW	1969
557	XEROLL	0	30	7.86	6.14	1.93	1.44	63	BRACKEN & GREAVES	1941
558	XEROLL	0	30	7.80	5.84	1.91	1.36	63	BRACKEN & GREAVES	1941
559	XEROLL	0	30	7.73	6.72	1.89	1.60	63	BRACKEN & GREAVES	1941
560	XEROLL	0	30	7.66	6.46	1.87	1.53	63	BRACKEN & GREAVES	1941
561	XEROLL	0	30	9.42	7.86	2.41	1.93	63	BRACKEN & GREAVES	1941
562	XEROLL	0	30	6.79	5.95	1.62	1.39	63	BRACKEN & GREAVES	1941
563	XEROLL	0	30	10.53	9.07	2.78	2.30	63	BRACKEN & GREAVES	1941
564	XEROLL	0	30	10.76	8.69	2.86	2.18	63	BRACKEN & GREAVES	1941
565	XEROLL	0	30	8.85	7.42	2.23	1.80	63	BRACKEN & GREAVES	1941
566	XEROLL	0	30	4.88	4.00	1.11	0.89	63	BRACKEN & GREAVES	1941
567	XEROLL	0	30	4.72	3.96	1.07	0.88	63	BRACKEN & GREAVES	1941
568	XEROLL	0	30	4.52	3.79	1.02	0.84	63	BRACKEN & GREAVES	1941
569	XEROLL	0	30	4.60	3.83	1.04	0.85	63	BRACKEN & GREAVES	1941
570	XEROLL	0	30	4.52	3.96	1.02	0.88	63	BRACKEN & GREAVES	1941
571	XEROLL	0	30	4.60	3.58	1.04	0.79	63	BRACKEN & GREAVES	1941
572	XEROLL	0	30	4.36	3.67	0.98	0.81	63	BRACKEN & GREAVES	1941
573	XEROLL	0	30	4.00	3.54	0.89	0.78	63	BRACKEN & GREAVES	1941
574	XEROLL	0	30	4.96	4.44	1.13	1.00	63	BRACKEN & GREAVES	1941
575	XEROLL	0	30	5.04	3.58	1.15	0.79	63	BRACKEN & GREAVES	1941
576	XEROLL	0	30	5.73	4.48	1.33	1.01	63	BRACKEN & GREAVES	1941
577	XEROLL	0	30	6.39	5.61	1.51	1.30	63	BRACKEN & GREAVES	1941