UNITED STATES GEOLOGICAL SURVEY
OPEN FILE REPORT 78-120 C
SHEET 2 OF 6

INYO ELLERSIECK – ANALYTICAL RESULTS FOR STREAM-SEDIMENT GEOCHEMICAL SAMPLES AMBLER RIVER QUADRANGLE, ALASKA

1978

sample	LATITUDE	LONGITUD	map	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-B	S-BA	S-BE	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU	AA-CU	AA-PB	AA-ZN
76EK264	67 38 50	157 51 46	139	10.00	.70	.50	.200	5,000	N	N	150	500	2.0	30	50	15	50	N	<20	50	20	10	N	<100	150	N	50	N	500	N	10	15	100
76EK235	67 39 55	157 50 11	140	3.00	2.00	5.00	.200	700	N	N	70	300	1.0	20	50	20	50	<5	<20	50	10	10	N	200	100	N	30	N	100	N	10	20	40
76EK234	67 40 14	157 45 6	141	5.00	2.00	10.00	.200	1,500	N	N	70	500	1.0	20	70	10	50	<5	<20	70	20	15	N	200	100	N	20	N	70	N	20	30	60
76EK236	67 42 37	157 52 1	143	5.00	1.50	15.00	.200	1,000	N	N	70	300	1.0	20	70	10	50	<5	<20	50	20	15	N	500	100	N	20	N	100	N	15	40	50
76EK237	67 42 38	157 52 18	144	3.00	1.50	10.00	.200	1,000	N	N	70	300	1.0	20	50	10	50	<5	<20	50	20	10	N	200	100	N	20	<200	70	N	15	30	50
76EK371	67 47 22	157 57 16	145	5.00	1.50	1.50	.300	700	N	N	100	200	1.0	15	50	15	50	N	<20	50	10	15	N	<100	100	N	20	N	200	N	10	15	40
76SWH03	67 45 28	157 53 12	146	5.00	1.50	1.00	.300	700	N	N	50	200	1.0	30	70	20	70	N	<20	100	<10	20	N	<100	150	N	30	N	300	N	20	10	50
76SWH04	67 45 21	157 53 3	147	3.00	1.00	.70	.300	700	N	N	50	200	1.0	20	70	20	70	N	<20	50	<10	15	N	<100	150	N	30	N	300	N	25	15	65
76SWH01	67 47 14	157 46 28	148	5.00	1.50	.50	.300	700	N	N	50	200	1.0	30	150	30	50	N	<20	100	<10	15	N	<100	150	N	30	N	300	N	25	15	60
76SWH02	67 47 14	157 46 22	149	3.00	1.50	3.00	.300	700	N	N	50	300	1.0	20	70	30	50	N	<20	50	20	10	N	<100	150	N	20	N	200	N	25	15	60
76EK228	67 43 55	157 36 44	150	3.00	2.00	10.00	.200	700	N	N	50	700	1.0	20	70	70	50	<5	<20	50	20	10	N	200	150	N	20	<200	100	N	10	25	50
76EK251	67 43 27	157 39 1	151	7.00	1.00	2.00	.200	1,000	N	N	100	3,000	1.0	20	70	70	50	20	<20	70	20	15	N	200	300	N	20	500	70	N	55	35	250
76EK225	67 43 0	157 42 17	152	5.00	2.00	7.00	.200	700	N	N	100	500	1.0	20	70	15	50	<5	<20	50	20	15	N	200	100	N	30	N	150	N	15	25	40
76EK226	67 42 56	157 42 12	153	7.00	2.00	5.00	.500	1,500	N	N	100	500	1.0	30	150	50	50	<5	<20	100	20	20	N	200	150	N	30	N	150	N	25	20	60
76EK232	67 40 0	157 39 24	154	3.00	2.00	15.00	.200	700	N	N	70	700	1.0	20	70	15	100	<5	<20	50	15	10	N	300	100	N	20	N	150	<.05	10	25	30
76EK233	67 39 56	157 39 11	155	5.00	1.50	2.00	.300	1,500	N	N	70	500	1.0	20	50	7	50	<5	<20	50	15	15	N	200	100	N	20	<200	100	N	10	15	60
76EK231	67 39 14	157 39 5	156	3.00	2.00	5.00	.150	1,000	N	N	100	700	1.0	20	50	10	50	<5	<20	50	10	10	N	200	150	N	20	N	100	N	15	25	60
76EK243	67 38 35	157 34 41	157	5.00	2.00	10.00	.300	1,000	N	N	100	1,000	1.0	30	100	50	100	<5	<20	70	50	15	N	200	150	N	50	<200	200	N	25	30	80
76EK241	67 36 59	157 36 56	158	3.00	3.00	2.00	.200	1,000	N	N	100	300	1.0	15	50	10	50	<5	<20	30	10	10	N	300	100	N	20	N	300	N	10	15	40
76EK266	67 36 16	157 34 0	159	5.00	1.00	1.50	.300	700	N	N	150	300	2.0	20	50	20	50	N	<20	50	10	10	N	<100	150	N	30	N	200	N	10	15	50
76EK265	67 35 18	157 32 25	160	7.00	1.00	.20	.300	700	N	N	150	150	<1.0	20	50	20	50	N	<20	50	10	10	N	<100	150	N	30	N	300	N	5	20	40
76EK267	67 33 11	157 31 22	161	10.00	1.50	.20	.300	700	N	N	150	200	2.0	20	70	50	100	N	<20	50	20	15	N	N	150	N	30	N	200	N	20	15	55
76EK268	67 33 10	157 31 17	162	7.00	1.00	.50	.500	700	N	N	200	300	3.0	20	50	30	50	N	<20	50	20	15	N	N	100	N	30	N	300	N	20	15	55
732197	67 32 26	157 29 54	163	3.00	.70	.30	.500	500	N	N	70	700	2.0	10	30	15	70	N	20	30	10	15	N	N	100	N	30	N	300	--	20	20	50
732198	67 37 54	157 26 15	164	3.00	1.00	1.00	.500	500	N	N	70	700	3.0	15	30	15	30	N	20	30	15	15	N	N	100	N	30	N	300	--	15	15	120
732199	67 30 35	157 24 55	165	2.00	.70	.50	.200	500	N	N	100	700	2.0	10	30	20	30	N	N	30	20	10	N	N	150	N	30	N	300	--	20	15	60
732200	67 30 5	157 20 41	166	5.00	2.00	2.00	.500	1,000	N	N	70	1,500	2.0	15	50	20	150	N	20	30	30	20	N	N	150	N	30	N	200	--	20	25	210
76EK418	67 32 26	157 17 36	167	5.00	5.00	15.00	.200	1,500	N	N	100	>5,000	<1.0	10	70	20	<20	N	<20	20	10	10	N	N	150	N	30	N	200	--	10	35	35
76EK417	67 34 5	157 16 29	168	5.00	2.00	10.00	.500	1,500	N	N	100	5,000	<1.0	10	70	20	50	N	<20	20	10	10	N	200	150	N	20	N	100	N	10	35	65
76EK419	67 32 38	157 21 20	169	1.00	7.00	20.00	.070	500	N	N	N	70	N	N	20	5	<20	N	<20	<5	<10	N	N	500	30	N	10	N	20	N	10	50	15
76EK420	67 32 57	157 22 59	170	1.00	7.00	20.00	.070	500	N	N	N	50	N	N	20	5	<20	N	<20	<5	<10	N	N	500	30	N	<10	N	20	N	5	50	10
76EK421	67 33 30	157 23 53	171	1.00	7.00	20.00	.050	700	N	N	<10	50	1.0	N	20	5	<20	N	N	<5	<10	N	N	500	20	N	<10	N	10	N	5	55	5
76EK422	67 33 48	157 26 0	172	1.00	7.00	20.00	.050	500	N	N	<10	50	<1.0	N	20	5	<20	N	N	<5	<10	N	N	500	20	N	N	N	10	N	5	55	5
76EK426	67 35 11	157 24 47	173	2.00	5.00	20.00	.150	700	N	N	50	150	<1.0	10	50	7	30	N	<20	20	20	5	N	500	70	N	20	N	50	N	10	45	15
76EK425	67 34 42	157 21 34	174	3.00	2.00	20.00	.150	700	N	N	70	150	<1.0	20	50	15	50	N	<20	50	50	7	N	500	100	N	30	N	100	N	15	50	20
76EK247	67 36 28	157 28 6	175	5.00	1.50	3.00	.200	1,000	N	N	100	1,500	1.5	20	50	70	100	<5	<20	50	50	15	N	200	150	N	30	<200	70	N	30	30	95
76EK248	67 37 10	157 22 56	176	7.00	1.00	2.00	.200	1,000	N	N	70	1,500	1.0	15	20	20	50	<5	<20	70	20	7	N	200	15	N	15	<200	200	N	25	20	75
76MH117	67 36 29	157 22 0	177	15.00	.70	3.00	.150	2,000	N	N	100	700	3.0	100	50	200	50	N	<20	300	50	10	N	100	150	N	100	1,500	100	N	280	25	1,000
76MH118	67 36 29	157 21 50	178	5.00	1.00	3.00	.300	700	N	N	100	500	3.0	20	70	30	100	N	<20	50	30	15	N	100	150	N	50	N	200	N	20	15	55
76EK423	67 36 11	157 20 7	179	7.00	1.50	10.00	.500	1,000	N	N	100	500	2.0	30	70	20	100	N	<20	50	30	15	N	200	100	N	50	N	500	N	15	25	40
76EK424	67 36 11	157 19 54	180	5.00	1.00	1.00	.200	700	N	N	100	>5,000	2.0	20	70	70	50	N	<20	50	70	15	N	500	150	N	20	200	300	N	45	30	160
76EK249	67 37 14	157 23 4	181	7.00	1.00	.20	.200	500	1.0	N	100	1,500	1.0	30	50	100	50	30	<20	100	20	20	N	200	200	N	20	1,000	100	N	80	20	550
76EK250	67 37 54	157 22 18	182	5.00	1.00	2.00	.200	1,500	N	N	70	1,000	1.0	20	50	15	<20	10	<20	70	30	15	N	200	150	N	20	200	100	N	30	25	120
76TR77b	67 37 50	157 19 56	183	15.00	3.00	5.00	.500	1,500	N	N	200	>5,000	2.0	50	200	150	70	10	<20	100	200	30	N	300	200	N	50	700	150	N	95	120	200
76TR77E	67 37 1	157 19 6	184	10.00	2.00	1.50	.300	2,000	N	N	200	>5,000	3.0	20	100	150	50	10	<20	70	50	15	N	100	300	N	30	1,000	150	N	95	35	390
76TR77f	67 37 6	157 19 5	185	10.00	2.00	1.50	.500	700	N	N	200	1,500	3.0	30	150	100	50	10	<20	70	50	20	N	100	300	N	30	200	200	N	55	30	150
76EK240	67 37 27	157 32 13	186	3.00	7.00	20.00	.150	700	N	N	10	100	<1.0	10	50	10	50	<5	<20	20	10	10	N	200	70	N	15	N	30	N	10	40	15
76EK238	67 38 8	157 27 24	187	10.00	2.00	5.00	.300	1,000	N	N	100	500	1.0	50	200	70	50	<5	<20	70	30	20	N	200	150	N	50	200	50	N	35	25	60
76EK239	67 38 26	157 29 23	188	3.00	7.00	20.00	.200	700	N	N	20	150	1.0	10	50	10	50	<5	<20	20	15	7	N	300	70	N	20	<200	50	N	5	35	25
76TR811	67 35 43	157 15 6	189	10.00	1.00	15.00	.500	700	<.5	N	150	>5,000	3.0	30	150	70	100	N	<20	70	70	20	N	200	200	N	50	N	200	N	35	45	70
76EK242	67 38 39	157 34 41	190	2.00	1.50	20.00	.100	500	N	N	20	70	<1.0	10	50	7	50	<5	<20	10	10	5	N	200	50	N	10	N	20	N	5	45	15
76EK244	67 39 51	157 33 55	191	3.00	1.50	7.00	.200	500	N	N	50	300	1.0	20	50	10	70	<5	<20	50	10	10	N	200	100	N	30	<200	150	N	15	25	50
76EK227	67 43 50	157 36 47	192	7.00	2.00	5.00	.200	1,500	N	N	100	700	1.0	30	150	50	50	<5	<20	70	30	20	N	200	200	N	20	300	70	N	45	25	130
76EK311	67 40 58	157 27 29	193	5.00	1.50	3.50	.200	700	N	N	100	700	2.0	20	50	50	50	N	<20	70	20	10	N	<100	150	N	30	N	150	N	30	20	150
76EK312	67 40 59	157 27 20	194	10.00	2.00	1.00	.300	700	N	N	100	500	2.0	30	100	70	50	N	<20	70	30	20	N	<100	150	N	30	<200	150	N	45	25	140
76EK313	67 41 27	157 22 44	195	10.00	2.00	.70	.500	700	N	N	100	500	2.0	30	100	50	50	N	<20	70	30	20	N	<100	150	N	100	N	150	N	20	20	100
76EK315	67 40 11	157 20 25	196	10.00	1.50	.50	.500	700	N	N	100	300	2.0	30	100	20	50	N	<20	50	20	20	N	<100	100	N	50	N	150	N	15	15	100
76EK314	67 40 18	157 20 12	197	5.00	1.00	.50	.200	700	N	N	100	700	2.0	20	50	30	50	N	<20	50	20	10	N	<100	150	N	20	<200	200	N	25	15	150
76EK316	67 38 0	157 15 15	198	3.00	.50	.50	.200	300	N	N	100	1,000	2.0	20	50	50	50	N	<20	50	30	10	N	100	150	N	20	200	50	N	55	30	200
76EK317	67 38 0	157 15 8	199	7.00	.70	.70	.200	1,000	N	N	150	700	2.0	30	70	70	70	N	<20	70	20	15	N	N	200	N	30	500	100	N	45	20	360
76EK310	67 41 53	157 29 17	200	7.00	1.50	10.00	.300	700	N	N	50	200	1.0	30	100	50	70	N	<20	70	30	20	N	200	150	N	20	N	30	N	25	30	90
76EK245	67 42 28	157 32 35	201	7.00	2.00	15.00	.300	1,000	N	N	50	1,000	<1.0	50	200	70	50	<5	<20	100	50	20	N	200	150	N	30	<200	50	N	35	30	60
76TR74G	67 42 46	157 34 9	202	15.00	5.00	7.00	.500	1,000	N	N	150	1,000	2.0	50	300	70	70	N	<20	100	30	20	N	200	200	N	30	N	150	N	50	25	120
76TR74H	67 43 10	157 35 8	203	10.00	3.00	20.00	.300	1,000	N	N	100	500	1.5	20	150	20	50	N	<20	50	50	15	N	200	150	N	30	N	150	N	20	40	45
76EK246	67 44 30	157 30 0	204	5.00	1.50	.70	.300	300	N	N	100	500	2.0	20	70	20	70	<5	<20	50	30	15	N	200	100	N	50	<200	200	N	10	15	60
76EK327	67 37 19	157 10 29	205	2.00	5.00	20.00	.100	700	N	N	<10	50	<1.0	<5	20	5	50	N	<20	5	30	<5	N	500	50	N	10	N	100	N	5	50	20
76EK255	67 36 23	157 18 59	206	5.00	2.00	5.00	.300	700	N	N	70	700	1.0	20	100	15	50	<5	<20	70	15	20	N	200	150	N	20	N	300	N	15	25	45
76EK328	67 35 22	157 12 1	207	2.00	1.50	15.00	.200	700	N	N	100	3,000	1.0	10	20	10	70	N	<20	10	20	5	N	200	70	N	15	N	150	N	5	20	10
76EK329	67 35 0	157 11 40	208	7.00	2.00	10.00	.300	1,500	N	N	100	300	1.0	20	50	30	50	N	<20	50	20	15	N	200	100	N	20	<200	150	N	15	20	45
76EK330	67 35 3	157 11 30	209	5.00	.70	1.00	.200	1,000	N	N	150	300	2.0	20	30	20	100	N	<20	50	20	10	N	100	100	N	20	<200	200	N	15	15	45
76EK331	67 35 47	157 8 35	210	7.00	2.00	5.00	.500	1,000	N	N	100	300	2.0	20	50	20	100	N	<20	50	20	15	N	100	100	N	100	N	200	N	10	25	35
76EK333	67 33 50	157 6 11	211	10.00	3.00	10.00	.500	1,500	N	N	20	300	1.0	30	50	50	50	N	<20	50	30	20	N	150	150	N	30	<200	100	N	20	35	50
76EK334	67 33 32	157 4 36	212	10.00	2.00	2.00	.500	1,500	N	N	150	300	2.0	50	70	50	100	N	<20	70	30	15	N	100	150	N	50	<200	200	N	30	25	60
76EK335	67 33 33	157 4 24	213	10.00	1.50	2.00	.500	1,000	N	N	50	200	1.0	30	30	150	50	N	<20	50	15	15	N	100	150	N	30	<200	100	N	30	20	55
76EK336	67 32 56	157 2 36	214	15.00	2.00	1.00	.700	1,500	N	N	50	300	1.0	50	100	100	50	N	<20	70	20	20	N	100	150	N	30	200	200	N	45	20	75
76EK337	67 32 54	157 2 25	215	7.00	1.50	2.00	.500	100	N	N	70	500	2.0	20	50	50	50	N	<20	20	20	15	N	100	100	N	30	N	200	N	20	20	50
76EK341	67 34 20	157 2 2	216	.50	3.00	20.00	.010	200	N	N	N	20	<1.0	<5	10	<5	30	N	<20	<5	<10	N	N	300	10	N	<10	N	<10	N	<5	65	5
76EK344	67 34 40	156 59 53	217	1.00	2.00	20.00	.070	200	N	N	N	20	<1.0	<5	20	<5	30	N	<20	<5	<10	N	N	300	10	N	<10	N	20	N	<5	65	5
76EK345	67 33 32	156 57 41	218	1.50	5.00	20.00	.050	300	N	N	N	70	<1.0	<5	20	5	30	N	<20	5	<10	N	N	300	20	N	<10	N	10	N	5	55	10
76EK346	67 33 33	156 57 29	219	.50	1.50	20.00	.050	150	N	N	N	20	<1.0	<5	10	<5	30	N	<20	<5	<10	N	N	300	10	N	<10	N	10	N	<5	65	5
76EK347	67 34 10	156 56 47	220	.70	1.50	2.00	.070	150	N	N	N	20	<1.0	<5	20	<5	30	N	<20	<5	<10	N	N	500	10	N	<10	N	20	N	5	70	5
76EK348	67 34 23	156 57 19	221	1.50	7.00	15.00	.150	300	N	N	N	20	<1.0	N	30	<5	<20	N	<20	<5	<10	N	N	300	20	N	<10	N	30	N	5	50	5
76EK343	67 34 41	156 59 57	222	1.00	3.00	20.00	.070	300	N	N	N	20	<1.0	<5	10	<5	30	N	<20	<5	<10	N	N	500	15	N	<10	N	20	N	<5	55	5
76EK349	67 36 6	156 58 51	223	1.00	2.00	20.00	.050	200	N	N	N	20	<1.0	N	20	<5	<20	N	<20	<5	<10	N	N	500	20	N	<10	N	10	N	5	60	5
76EK342	67 34 55	157 0 47	224	1.00	5.00	20.00	.100	300	N	N	<10	50	<1.0	<5	20	5	30	N	<20	7	10	N	N	300	20	N	<10	N	20	N	5	65	10
76EK340	67 34 51	157 4 50	225	.50	1.50	20.00	.050	200	N	N	N	20	<1.0	<5	20	<5	30	N	<20	<5	<10	N	N	500	10	N	<10	N	10	N	5	65	10
76EK339	67 35 58	157 3 6	226	1.00	1.50	20.00	.100	200	N	N	N	50	<1.0	<5	30	<5	30	N	<20	15	10	N	N	700	30	N	10	N	20	N	5	65	10
76EK338	67 35 58	157 3 11	227	1.00	1.50	20.00	.100	200	N	N	N	50	<1.0	<5	30	<5	30	N	<20	5	10	N	N	500	20	N	10	N	20	N	5	60	10
76EK332	67 35 21	157 6 56	228	.50	7.00	15.00	.070	200	N	N	<10	70	<1.0	<5	20	<5	50	N	<20	<5	10	N	N	200	30	N	10	N	20	N	<5	50	10
76EK326	67 37 6	157 7 30	229	1.00	5.00	20.00	.070	200	N	N	N	20	<1.0	<5	20	5	50	N	<20	5	10	N	N	500	20	N	10	N	20	N	5	55	10
76EK325	67 37 23	157 4 33	230	1.50	5.00	20.00	.100	300	N	N	N	50	<1.0	<5	20	5	50	N	<20	5	10	N	N	500	30	N	10	N	30	N	5	45	10
76EK321	67 40 31	156 58 8	231	1.00	1.50	20.00	.070	500	N	N	N	20	<1.0	N	20	<5	<20	N	<20	<5	N	N	N	500	10	N	N	N	10	N	<5	65	10
76EK47	67 40 14	157 8 3	232	3.00	3.00	15.00	.300	700	N	N	70	150	1.0	20	50	10	50	N	<20	20	15	15	N	300	70	N	30	N	70	N	15	40	35
76EK322	67 38 30	157 4 46	233	10.00	2.00	10.00	.500	1,000	N	N	200	500	2.0	50	100	50	50	N	<20	50	50	20	N	500	150	N	50	N	200	N	20	40	70
76MH131	67 37 51	157 3 26	234	2.00	10.00	20.00	.150	500	N	N	20	150	<1.0	10	30	15	30	N	<20	50	20	7	N	300	30	N	20	<200	50	N	10	35	20
76EK324	67 37 40	157 0 5	235	7.00	2.00	20.00	.200	700	N	N	100	200	<1.0	20	100	20	30	N	<20	30	20	20	N	500	100	N	30	N	70	N	10	45	30
76EK323	67 38 11	157 2 12	236	15.00	3.00	10.00	.500	2,000	N	N	200	500	N	30	100	100	<20	N	<20	50	30	20	N	100	200	N	15	N	200	N	35	35	70
76EK318	67 39 57	157 2 11	239	5.00	5.00	20.00	.150	500	N	N	100	200	<1.0	10	70	<5	<20	N	<20	20	10	10	N	500	50	N	20	N	100	N	5	45	20
76EK319	67 40 0	157 2 5	240	.20	1.00	15.00	.020	200	N	N	N	20	<1.0	N	<10	<5	<20	N	<20	<5	N	N	N	200	10	N	N	<200	N	N	<5	75	5
76EK320C	67 40 13	157 0 46	241	1.00	2.00	20.00	.070	700	N	N	N	20	<1.0	N	20	<5	<20	N	<20	<5	N	N	N	700	10	N	N	N	10	N	<5	65	10
76EK48	67 40 11	157 8 9	242	2.00	5.00	20.00	.100	300	N	N	20	70	<1.0	<5	50	<5	30	N	<20	5	10	<5	N	300	20	N	10	N	70	N	5	65	10
76EK49	67 41 3	157 5 12	243	3.00	7.00	20.00	.200	700	N	N	100	200	1.0	15	70	10	50	<5	<20	20	30	10	N	200	50	N	30	N	150	N	10	45	25
76EK50	67 41 31	157 4 0	244	2.00	3.00	20.00	.150	300	N	N	50	100	<1.0	10	50	<5	50	N	<20	10	5	N	N	300	30	N	20	N	50	N	5	65	10
76EK51	67 41 48	157 3 47	245	1.50	3.00	20.00	.100	500	N	N	20	70	<1.0	5	50	5	50	N	<20	20	10	<5	N	300	50	N	20	N	70	N	5	70	10
76EK54	67 42 33	157 1 44	246	1.50	5.00	20.00	.100	500	N	N	20	50	<1.0	10	50	5	50	N	<20	10	10	5	N	500	50	N	10	N	20	N	10	70	10
76EK53	68 2 35	157 2 44	247	1.00	3.00	15.00	.100	300	N	N	15	30	<1.0	<5	20	<5	50	N	<20	5	<10	<5	N	300	20	N	20	N	20	N	5	70	10
76EK52	67 41 48	157 3 55	248	1.50	5.00	20.00	.070	500	N	N	10	70	<1.0	<5	20	<5	50	N	<20	7	10	<5	N	500	50	N	10	N	20	N	5	75	10
76EK46	67 42 21	157 8 9	249	2.00	7.00	15.00	.200	700	N	N	50	1,000	1.0	10	50	5	50	N	<20	20	15	10	N	200	50	N	30	N	50	N	10	50	20
76EK44	67 43 13	157 4 59	250	1.00	2.00	20.00	.070	500	N	N	10	50	<1.0	<5	20	<5	30	N	<20	5	10	<5	N	500	30	N	10	N	20