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Source "c" 2nd shelf
Shields 1st shelf
Samples 2nd shelf

loc. #6 Decay Cont. From Pages 186 & 187, CL 279

Dish #3

Date	Time	None (shield)	.145	.040	Source "c"	
3/26	1310	18755	2378	5790	13558	
4/10	1000	20315 (100)	2426 (5)	5740 (recount) 6328 (100)	13366	(5) min
5-24	1430	18302 (100)	1966 (5)	5656 (100)	12947	
6-27	1440	16058	1611	4858	13657	
7-27	1130	14955 (100)	1551 (5)	4526 (100)	12550	(5)
8-24	1400	15247 (100	1510 (5)	4484 (100)	13227	(5)
10-4-45	10:55	13742 (100)	1385 (5)	3887 (100)	12498	(5)

Dish #7 loc. #10

Date	Time	None (shield)	.145	.040	Source "c"	
3/26		20018 (100)	3565 (5)	5916 (100)	13234	
4/10		21272 (100)	3452 (5)	5866 (100)	13149	(5)
5-24	1510	17751 (100)	2445 (5)	5325 (100)	12947	
6-27	1500	14771 (100)	1788	4512	13252	
7-27	1130	12960 (100)	1615 (5)	4165 (100)	12525	(5)
8-24-45	1400	12757 (100)	1375 (5)	3922 (100)	13227	(5)
10-4-45	10:55	11233 (100)	1060 (5)	3395 (100)	12498	(5)

SCALER #49 K-207 — 3/29/45 — SAMPLE TAKEN [illegible] — SOURCE "C" 13122 13160 — OBS A. WEBER J. HOBAR

DISH	SAMPLE	TARE WT	TOTAL WT	NET WT	BKG C/M	TOTAL C/S	C/M	NET C/M	GM/CM²	C/M/GM	KC/GM	CORR FACTOR	CORR KC/GM
13	(1) 1/2"	12.0670	14.0442	1.9772	39.3	3985 (10)	398.5	359.2	.143	181.7	1.86×10^{-3}	378	4.92×10^{-3}
24	(2) 1.25"	11.9995	13.8690	1.8695	37.6	3820 (10)	382.0	344.4	.136	184.2	1.88×10^{-3}	393	4.78×10^{-3}
29	(3) 3.0"	11.7385	13.9140	2.1755	37.3	2423 (10)	242.3	205.0	.158	94.2	9.64×10^{-4}	363	2.66×10^{-3}
25	(4) 6.5"	11.8680	13.9942	2.1262	40.7	2643 (10)	264.2	223.5	.154	105.1	1.08×10^{-3}	367	2.94×10^{-3}
31	(5) 8.0"	11.6199	14.0290	2.4091	42.6	1679 (10)	167.9	125.3	[illegible]	[illegible]	5.32×10^{-4}	344	1.55×10^{-3}
15	(6) 9.3"	11.7741	14.3920	2.6179	38.6	1413 (10)	141.3	102.7	[illegible]	[illegible]	4.01×10^{-4}	306	1.23×10^{-3}
9	(7) 10.25"	12.2067	15.9384	3.6317	46.6	3341 (10)	334.1	287.5	[illegible]	[illegible]	8.10×10^{-4}	270	3.00×10^{-3}
16	TOP #1 + COVER	12.2973	13.9724	1.6748	43.6	3733 (10)	373.3	331.7	[illegible]	[illegible]	2.01×10^{-3}	418	4.81×10^{-3}
2	BOTTOM	11.6334	14.2146	2.5812	40.0	2742 (10)	274.2	234.2	[illegible]		7.26×10^{-4}	328	2.83×10^{-3}
35	4"	11.7593	15.4247	3.6654	36.5	388	38.8	0			0	0	
37	2"	13.5973	15.6861	2.0888	42.8	1820	182.0	139.2	.151	[illegible]	6.82×10^{-4}	370	1.84×10^{-3}
33	TOP #5	11.9081	14.5931	2.6850	41.2	9152	915.2	874.0	.195	325.5	3.33×10^{-3}	322	1.03×10^{-2}
19	6"	13.0546	16.7112	3.6566	43.3	436	43.6	0			0	0	
27	7 1/2" (B)	12.2212	16.9452	4.7240	44.0	441	44.1	0		0	0	0	
23	4" (B)	11.6782	18.9966	7.3184	43.6	392	39.2	0			0	0	
17	2"	11.4453	17.3186	5.8733	38.6	380 (10)	38.0	0			0	0	
21	TOP #4	13.1289	20.5220	7.3931	40.3	1608	160.8	120.5	.536	16.3	1.67×10^{-4}	124	1.35×10^{-3}
18	Bottom	13.0284	15.2918	2.2634	46.6	400	40.0	0			0	0	
7	6"	11.8966	16.1277	4.2311	39.3	375	37.5	0			0	0	
26	4"	11.9849	16.3268	4.3419	49.3	448	44.8	0			0	0	
28	2"	11.6245	16.7412	5.1167	38.3	520	52.0	15.7	.371	3.1	3.18×10^{-5}	223	1.43×10^{-4}
4	TOP #6	13.4884	16.5295	3.0411	40.6	1108.2	1108.2	1067.6	.220	3510	3.59×10^{-3}	300	1.20×10^{-2}
1	5 1/2" (B)	11.5387	14.5807	3.0420	39.6	442	44.2	4.6	.220	0	0	0	
32	4"	11.7227	16.8131	5.0904	44.0	404	40.4	0		0	0	0	
6	2"	11.9065	16.6455	4.7390	38.4	416 (10)	41.6	3.2	.344	0	0	0	
14	TOP #3	12.6120	15.8741	3.2621	45.6	10524	1052.4	1006.8	.236	3086	3.16×10^{-3}	288	1.10×10^{-2}

3/29/45 CORE

DISH	SAMPLE	TARE WT	TOTAL WT	NET WT	BKG C/M	TOTAL C'S	C/M	NET C/M	G/cm²	C/M/cm²	KC/GM	CORE FACTOR	CORE KC/GM
8	10"	11.8993	14.3891	2.4898	43.0	384(10)	38.4	0		0	0		
10	8	11.8166	14.0740	2.2574	44.6	446	44.6	0		0	0		
3	6	13.0570	16.5455	3.4865	39.6	394	39.4	0		0	0		
12	4	11.4881	14.1603	2.6722	40.0	356	35.6	0		0	0		
20	2	12.8270	14.7359	1.9087	50.3	1558	155.8	105.5	.138	55.3	5.66×10^{-4}	390	1.45×10^{-3}
5	TOP #2	11.8909	13.1646	1.2737	42.6	5892	589.2	546.6	.092	429.1	4.39×10^{-3}	475	9.24×10^{-3}
	3/30/45				SCALER 49			SOURCE C		13308			NO BACK
	SAMPLE TAKEN 3/29/45				1207					13316 .044	OBS		WICBER
	* 3/31/45				DU 1030					*12995			
										*13308			

DISH	Sample	TARE WT.	TOTAL WT.	NET WT	BKG C/M	TOTAL C'S	C/M	NET C/M	C/M/cm	G/cm²	KC/GM	CORE FACTOR	CORE KC/GM
1	TOP (1)	11.5387	12.6327	1.0940	35.8	2594(10)	259.4	223.6	204.4	.099	2.09×10^{-3}	.510	4.10×10^{-3}
2	1"	11.6324	13.0600	1.4266	39.6	10295(5)	2,059.0	2,019.4	1415.5	.103	1.45×10^{-2}	.455	3.19×10^{-2}
4	2"	13.4884	15.3858	1.8974	38.6	5884(10)	588.4	549.8	289.8	.138	2.96×10^{-3}	.390	7.59×10^{-3}
5	4"	11.8909	14.5597	2.6688	42.6	6366(10)	636.6	594.0	222.6	.193	2.27×10^{-3}	.325	6.98×10^{-3}
6	6"	11.9065	14.3023	2.3958	36.0	628(10)	62.8	16.8	7.0	.174	7.20×10^{-5}	.344	2.09×10^{-4}
7	8"	11.8926	14.8575	2.9649	37.0	571(15)	38.0	1.0	0	.215	0		0
8	10"	11.8993	14.8387	2.9394	40.3	450	45.0	4.7	0	.213	0		0
9	12"	12.2067	15.0134	2.8067	36.3	472	47.2	10.9	3.9	.203	4.00×10^{-5}	318	1.28×10^{-4}
10	14"	11.8166	16.2689	4.4523	46.0	438	43.8	0	0		0		0
11	16"	12.2136	17.6456	5.4320	54.0	596	59.6	5.2	0	.394	0		0
12	9"	11.4881	15.5300	4.0419	38.3	392	39.2	0	0		0		0
13	6"	12.0670	16.2274	4.1554	36.6	392	39.2	2.6	0	.301	0		0
14	4"	12.6120	17.0314	4.4194	39.3	474	47.4	8.1	0	.320	0		0
15	2"	11.7741	14.3898	2.6157	40.0	786.2	786.2	746.2	285.3	.190	2.9×10^{-3}	326	9.89×10^{-3}

					40.0	[illegible]	[illegible]	144.2	[illegible]	[illegible]	2.9×10^{-3}	326	8.89×10^{-3}
16	11½	12.2973	14.4705	2.1732	44.3	2711.3	2711.3	2667.0	1227.2	.158	1.26×10^{-2}	360	3.50×10^{-2}
17	TOP (2B)	11.4453	14.1681	2.7228	37.6	4374	437.4	399.8	146.8	.197	1.50×10^{-3}	340	4.41×10^{-3}
18	9½	13.0284	16.7854	3.7570	38.6	912	91.2	52.6	14.0	.272	1.4×10^{-4}	266	5.26×10^{-4}
19	8	13.0546	16.5535	3.4989	42.7	478	47.8	5.1	0	.254	0		0
20	6	12.8270	16.5487	3.7217	44.3	700	70.0	25.7	6.9	.270	7.1×10^{-5}	267	2.66×10^{-4}
21	4	13.4289	15.8872	2.7583	42.6	7700	770.0	727.4	263.7	.200	2.70×10^{-3}	317	8.52×10^{-3}
22	2	11.7227	14.6707	2.9480	39.3	17366	1736.6	1697.3	575.7	.214	5.89×10^{-3}	305	1.93×10^{-2}
23	1	11.6782	14.2081	2.5299	39.6	55680	5568.0	5528.4	2185.2	.183	2.24×10^{-2}	343	6.53×10^{-2}
24	TOP (4B)	[illegible]	14.5387	2.5392	39.3	9606	960.6	921.3	362.8	.184	3.71×10^{-3}	343	1.08×10^{-2}
25	6	11.8600	15.9237	4.0557	37.3	370	37.0	0	0		0		0
26	4	[illegible]	14.7695	2.7846	32.6	480	48.0	15.4	5.5	.202	5.63×10^{-5}	316	1.78×10^{-4}
27	2	12.2212	15.4693	3.2481	40.0	469	46.9	6.9	0	.235	0		0
28	1	11.6245	14.5853	2.9608	39.3	737	73.7	34.4	11.6	.215	1.19×10^{-4}	305	3.90×10^{-4}
29	TOP (3B)	11.7385	14.1392	2.3997	39.6	22443	2244.3	2204.7	918.7	.174	9.40×10^{-3}	344	2.73×10^{-2}
31	8	11.0199	14.9209	3.3010	35.0	543	54.3	19.3	5.8	.239	5.93×10^{-5}	285	2.08×10^{-4}
32	6	11.7866	14.4175	2.6309	30.3	306	*30.6	*0	0		0		0
33	4	11.9086	15.5610	3.6524	43.2	395	*39.5	*0	0		0		0
35	2	11.7599	14.8923	3.1324	36.6	8824	*882.4	*845.8	270.0	.227	2.76×10^{-3}	295	9.36×10^{-3}
36	1	12.0274	14.4376	2.4102	38.6	5117	*511.7	*473.1	196.3	.175	2.01×10^{-3}	344	5.84×10^{-3}
37	TOP (5B)	13.5793	16.7586	3.1593	49.3	7347	*734.7	*685.4	216.9	.229	2.22×10^{-3}	291	7.63×10^{-3}
38	10	11.8020	13.1681	1.3661	42.0	8194	*819.4	777.4	569.1	.099	5.82×10^{-3}	460	1.27×10^{-2}
39	11	13.5550	16.0917	2.5367	31.6	13768 (3)	*4589.3	4557.7	1796.7	.184	1.84×10^{-2}	330	5.58×10^{-2}

4/4/45 SAMPLES TAKEN 4/3/45 Intermediate Pond. SCALER K-207 OV SOURCE C 13104 13240 .044 OBS- M-WILLKS

Dish	Sample	Dish wt	Total wt.	Net wt.	Bkg c/m	Total ct	c/m	Net c/m	GM/cm²	F/m/GM	μc/GM	Corr Factor	Corr μc/GM
21	5	13.1289	15.9213	2.7924	61.0	8,994 (10)	899.4	838.4	.202	300.2	3.07×10^{-3}	.315	9.75×10^{-3}
15	1	11.7741	17.1219	5.3538	56.2	10,919 (10)	1091.9	1035.8	.384	193.4	1.98×10^{-3}	.216	9.17×10^{-3}
4	4	13.4884	17.1388	3.6504	73.5	5586 (10)	558.6	485.1	.265	132.9	1.36×10^{-3}	.268	5.07×10^{-3}
2	3	11.6334	13.6949	2.0615	53.3	7488 (10)	748.8	695.5	.149	337.4	3.450×10^{-3}	.371	9.30×10^{-3}
7	9	11.8966	14.7287	2.8321	48.2	4,096 (10)	409.6	361.4	.205	127.6	1.31×10^{-3}	.312	4.20×10^{-3}
22	2	11.7224	14.0145	2.2921	47.6	3,197 (10)	319.7	272.1	.166	118.7	1.21×10^{-3}	.350	3.46×10^{-3}
5	2	11.8909	14.5756	2.6847	55.4	4,860 (10)	486.0	430.6	.195	160.4	1.64×10^{-3}	.322	5.09×10^{-3}
14	6	12.6120	14.4058	1.7938	58.2	4140 (10)	414.0	355.8	.130	198.3	2.03×10^{-3}	.400	5.08×10^{-3}
12	9	11.4881	14.4000	2.9119	41.0	4347 (10)	434.7	393.7	.211	135.2	1.38×10^{-3}	.307	4.50×10^{-3}
16	6	11.8166	14.0101	2.1935	44.5	4103 (10)	410.3	365.8	.159	166.8	1.71×10^{-3}	.360	4.75×10^{-3}
17 ok	7	11.4453	14.0275	2.5822	41.0	6,710 (10)	671.0	630.0	.187	244.0	2.50×10^{-3}	.329	7.60×10^{-3}
1 ok	7	11.5387	13.9227	2.3840	42.1	6100 (10)	610.0	562.9	.173	236.1	2.42×10^{-3}	.345	7.01×10^{-3}
6	3	11.9065	13.2077	1.3012	52	9795 (10)	979.5	927.5	.094	712.8	7.290×10^{-3}	.474	1.54×10^{-2}
13	8	12.0670	13.6433	1.5763	51	5214 (10)	521.4	470.4	.114	298.4	3.05×10^{-3}	.429	7.11×10^{-3}
18	8	13.0284	13.9890	.9606	47.5	6176 (10)	617.6	570.1	.070	593.4	6.07×10^{-3}	.540	1.12×10^{-2}
36	10	12.0274	13.3618	1.3344	37	9543 (10)	954.3	917.3	.097	687.4	7.03×10^{-3}	.466	1.51×10^{-2}
11	10	12.2136	14.8385	2.6249	48.3	3,845 (10)	384.5	336.2	.190	128.1	1.31×10^{-3}	.326	4.02×10^{-3}
							C"	13153					
36	10			1.3344	37	3464	346.4	309.4	.097	232	2.37×10^{-3}	.466	5.11×10^{-3}
11	10			2.6249	48.3	1925	192.5	146.5	.190	72.0	7.43×10^{-4}	.326	[illegible]
18	8			.9606	47.5	6912	691.2	643.7	.070	721.	7.35×10^{-3}	.536	1.37×10^{-2}
13	8			1.5763	51	4704	470.4	419.4	.114	299	3.62×10^{-3}	.424	8.55×10^{-3}

4/6/45 ---→ SOURCE C 13190 (5) 2638 c/m BKG without dish 46.6 c/m obs- MW
SCALER 49 AREA 13.8

4/6/45 → Source C 13190 (5) 2638 c/m Bkg without dish 46.6 c/m obs- mw
Scaler 49 Area 13.8
K207 - OV - 1050

4/7/45 → Source C 2606 c/m

Dish	Sample	Dish wt.	Total wt.	Net wt.	Bkg c/m	Total cts.	c/m	Net c/m	Gm/Gm²	c/m/Gm	/c/Gm	Corr Factor	Corr /c/Gm
9	Bottom 1	11.5387	14.3991	2.8604	47.6	43.7	43.7	0	.207	0	0	.309	
1	#1	13.4884	16.0517	2.5633	50.0	996	99.6	49.6	.185	19.38	1977 x 10⁻⁴	.330	599 x 10⁻⁴
4	#1	12.2067	15.7755	3.5688	48.6	974	97.4	48.8	.258	13.67	1394 x 10⁻⁴	.274	509 x 10⁻⁴
12	#2	11.4881	13.8027	2.4146	47.6	738 (10)	73.8	26.2	.174	10.85	1107 x 10⁻⁴	.340	326 x 10⁻⁴
13	#2	12.0670	13.9205	1.8535	48.0	611 (10)	61.1	13.1	.134	7.068	7209 x 10⁻⁵	.397	182 x 10⁻⁴
15	Bottom 2	11.7741	16.5344	5.7603	50.0	550 (12)	45.8	0	.417	0	0	—	
16	#3	12.2973	14.1978	1.9005	58.0	1547 (10)	154.7	96.7	.137	50.88	5190 x 10⁻⁴	.394	132 x 10⁻³
17	#3	11.4453	13.6059	2.1606	49.6	1531 (10)	153.1	103.5	.156	47.90	4886 x 10⁻⁴	.365	134 x 10⁻³
18	Bottom 3	13.0284	17.2785	4.2501	46.3	458 (10)	45.8	0	.308	0	0	—	
19	Bottom 4	13.0546	16.6300	3.5754	51.6	470 (10)	47.0	0	.258	0	0	—	
20	" 5	12.8270	19.9210	7.0940	41.6	475 (10)	47.5	0	.513	0	0	—	
21	# 6	13.1289	16.8071	3.6782	40.0	2385 (10)	238.5	103.5	.266	28.14	2870 x 10⁻⁴	.266	108 x 10⁻³
24	#4	11.9995	15.5573	3.5578	52.0	1243 (10)	124.5	72.5	.258	20.38	2078 x 10⁻⁴	.273	761 x 10⁻⁴
25	#6	11.8680	15.2000	3.3320	42.0	2171 (10)	217.1	85.1	.241	25.54	2605 x 10⁻⁴	.284	917 x 10⁻⁴
26	Bottom 6	11.9849	15.3692	3.4883	48.0	384 (10)	38.4	0	.253	0	0	—	
28	#5	11.6245	14.0644	2.4399	60.6	1218 (10)	121.8	61.2	.122	25.08	2558 x 10⁻⁴	.340	851 x 10⁻⁴
31	#5	11.6199	13.4174	1.7975	45.3	1143 (10)	114.3	69.0	.129	38.39	3916 x 10⁻⁴	.400	979 x 10⁻⁴
11	#4	12.2136	15.9463	3.7327	48.3	1341 (10)	134.1	85.8	.269	22.99	2345 x 10⁴	.267	878 x 10⁻⁴
			Recount 4/9/45										
12	#2	11.4881	13.8027	2.4146	47.6	617	61.7	14.1	.174	5.84	6.07 x 10⁻⁴	.340	179 x 10⁻³
13	#2	12.0670	13.7855	1.7185	48.0	594	59.4	11.4	.125	6.63	6.85 x 10⁻⁴	.407	169 x 10⁻³

Recount 4/9/45 #C — 13390

4/14/45 — SAMPLES TAKEN 4/14/45 — SCALER 49 — 49 26 — Source Q 14310 — Obs — M. WILLIS

Dish	Sample	Dish wt.	Total wt.	Net wt.	Bkg c/m	Total CT.	c/m	Net c/m	c/m/gm	c/m/cm²	c/m/gm	c/m/cm	Corr Factor	Corr c/m/cm
33	MF *	11.9093	15.8595	3.9502	33	5555 (10)	555.5	492.5	.286	124.5	1.18×10^{-3}	0.257	4.58×10^{-3}
40	MF *	11.8935	16.0944	4.1985	31	4292 (10)	429.2	398.2	.302	94.8	8.93×10^{-4}	0.250	3.57×10^{-3}
4	MF 2 *	13.4884	18.7293	5.2409	31.4	1821 (10)	182.1	150.7	.3795	28.8	2.71×10^{-4}	0.220	1.23×10^{-3}
42	MF 2 *	12.0171	17.0639	5.0468	25.4	1973 (10)	197.3	171.9	.365	34.1	3.21×10^{-4}	0.225	1.43×10^{-3}
26	" 3	11.9849	15.2434	3.2585	40.3	1865 (10)	186.5	140.2	.2365	43.1	4.06×10^{-4}	0.287	1.41×10^{-3}
31	" 3	11.6199	16.1052	4.4853	46.7	2106 (10)	210.6	163.9	.325	36.5	3.44×10^{-4}	0.240	1.43×10^{-3}
17	" 4	11.4453	15.2611	3.8518	35.4	1893 (10)	189.3	153.9	0.279	40.0	3.77×10^{-4}	0.263	1.43×10^{-3}
20	" 4	12.8270	16.6634	3.8364	40.6	2174 (10)	217.4	176.8	0.2787	43.5	4.10×10^{-4}	0.263	1.56×10^{-3}
9	" 5	11.5387	16.3273	4.7886	41.8	4003 (10)	400.3	358.5	0.3469	74.7	7.04×10^{-4}	0.230	3.06×10^{-3}
11	" 5	12.2136	17.6604	4.3468	38.7	3159 (10)	315.9	277.2	0.3154	63.8	6.02×10^{-4}	0.244	2.47×10^{-3}
14	" 6 *	12.6120	17.7263	5.1143	34	1720 (10)	172	138	0.3709	27.0	2.54×10^{-4}	0.222	1.14×10^{-3}
41	" 6 *	13.0137	17.7834	4.7697	30.4	1695 (10)	169.5	139.1	0.3459	29.2	2.75×10^{-4}	0.232	1.19×10^{-3}
37	" 7 *	13.6705	20.5345	6.9340	37.1	737 (10)	73.7	36.6	0.5026	5.20	4.90×10^{-5}	0.185	2.65×10^{-4}
38	" 7 *	11.8019	16.8212	5.0193	31.4	692 (10)	69.2	37.8	0.3637	7.53	7.08×10^{-5}	0.225	3.15×10^{-4}
353	" 8 *	10.7065	16.1303	5.4238	33.3	843 (10)	84.3	51.0	0.3927	9.42	8.88×10^{-5}	0.215	4.13×10^{-4}
448	" 8 *	11.9850	17.1808	5.1958	35	798 (10)	79.8	44.8	.377	8.64	8.13×10^{-5}	0.220	3.70×10^{-4}
1	" 9	13.4884	15.1370	1.6486	34	4531 (10)	453.1	419.1	.119	254	2.39×10^{-3}	0.421	5.68×10^{-3}
12	" 9	11.4881	15.5289	4.0398	38.5	5155 (10)	515.5	477.0	.292	118	1.11×10^{-3}	0.253	4.38×10^{-3}
21	" 10	13.1289	16.4438	3.3149	34.5	2172 (10)	217.2	182.7	.233	57.0	5.37×10^{-4}	0.290	1.85×10^{-3}
25	" 10	11.8680	15.2536	3.3856	47.5	2090 (10)	209.0	161.5	.245	47.7	4.49×10^{-4}	0.282	1.59×10^{-3}

4-17-45 BG Counter #49 ~ 47.2

4-20-45 Source Q Counter #26 45 min. G.F. BG c/m.

4-16-45 G.F.
4-17-45

Obs. Marie Willis
4.78 20.

4-17-45 B G Counter # 49 to 47.2

4-20-45 Source C counter #26 1/5 min. G-F BG c/m. 11:49

Probably over 3 are not the previous decides with these number

4-16-45 4-17-45 G.F. 4.78 Obs. Marie Willis

											OK	OK			
18	11	13.0248	15.6629	2.6281	40.5	2780 (10)	2780	2375	.191	90.3	8.52×10^{-4}	.325	2.62×10^{-3}
19	11	13.0546	16.8242	3.7696	46.2	3412 (10)	3412	2950	.273	78.2	7.37×10^{-4}	.245	2.78×10^{-3}
24	12	11.9995	17.0699	5.0704	40.2	3316 (10)	3315	2913	.367	57.3	5.40×10^{-4}	.224	2.41×10^{-3}
28	12	11.6245	14.3563	2.7318	36.7	1239 (10)	1239	852	.198	31.2	2.94×10^{-4}	.319	9.22×10^{-4}
19	4-20 p 13	11-29 13.0579	15.3639	2.3080	29.4	721 (10)	72.1	42.7	.167	18.5	2.44×10^{-4}	.350	6.97×10^{-4}
21	13 (+)	13.1268	15.6903	2.5635	28	768 (10)	76.8	48.8	.186	19.0	2.50×10^{-4}	.330	7.57×10^{-4}
35	4-16 14	11.7602	14.8067	3.0465	37.6	1428 (10)	142.8	105.2	.223	34.6	3.27×10^{-4}	0.293	1.12×10^{-3}
611	4-16 14	12.4890	16.1784	3.6894	32.8	1847 (10)	184.7	141.9	0.267	38.5	3.64×10^{-4}	.267	1.36×10^{-3}
230	15	12.4788	16.4381	3.9593	31.8	2165 (10)	216.5	184.7	0.287	46.7	4.12×10^{-4}	.257	1.72×10^{-3}
92	15	11.6334	15.8438	4.2104	27.6	2502 (10)	250.2	219.9	0.304	52.3	4.93×10^{-4}	.248	1.98×10^{-3}
320	16	10.9677	16.8774	5.9097	30.3	763 (10)	76.3	46.0	0.428	7.8	7.37×10^{-5}	0.204	3.61×10^{-4}
586	16	11.9005	17.0995	5.1990	33.2	739 (10)	73.9	40.7	0.376	7.8	7.37×10^{-5}	0.211	3.50×10^{-4}
302	17	11.2146	16.0788	4.8642	31.2	1072 (10)	107.2	76.0	0.352	15.6	1.47×10^{-4}	.228	6.46×10^{-4}
546	17	11.2054	15.2203	4.0149	26	1055 (10)	105.5	79.5	0.290	19.8	1.87×10^{-4}	.255	7.33×10^{-4}
Source C		4-19-45 # 49	13380	13176		(B G)	Counter	# 49	36.6		428		OK
	11	# 26	9911	10066				426	21.6		23.2		
554	4-27-45 18	11.0036	14.8126	3.8090	44	1163 (10)	116.3	72.3	.276	18.98	1.868×10^{-4}	.263	7.10×10^{-4}
25	4-27-45 18	11.8688	15.9462	4.0774	498	928 (10)	92.8	43.8	.296	10.74	1.057×10^{-4}	.252	4.194×10^{-4}
2	4-27-45 19	11.6332	15.1322	3.4990	39	2838 (10)	283.8	244.8	.254	69.96	6.885×10^{-4}	.275	2.50×10^{-3}
18	4-27-45 19	13.0268	17.9641	4.8973	484	3026 (10)	302.6	254.2	.353	52.76	5.192×10^{-4}	.228	2.277×10^{-3}
521	4-28 (+) 20	11.2063	13.3249	2.1986	30	552 (10)	55.2	25.2	.159	11.5	1.5×10^{-4}	.362	4.17×10^{-4}
22	4-28 (+)	11.7234	13.9325	2.2091	26	564 (10)	56.0	30	.160	13.6	1.79×10^{-4}	.362	[illegible]

4-20-45 Source C counter #49 3562 BG c/m 41 GF 4.542
" " " #26 10134 23 3.41
" " " #49 13572 39
" " " #26 10176 24

OBS Marie Willis

dsh	Sample	Dish wt	Total wt	Net wt	Bkg c/m	Total c/m	c/m	Net c/m	c/m	c/m/mg	c/m/mg	Eff/cm	CorR Factor	CorR Eff/cm
7	4-20 #21	11.8982	14.4113	2.5131	31	401 (10)	40.1	9.1	.182	3.62	4.78×10^{-5}	.334	1.43×10^{-4}
15	" 21	11.7734	14.3614	2.5880	27	485 (10)	48.5	21.5	.188	8.30	6.08×10^{-4}	.330	3.30×10^{-4}
547	4-27-45 " 22	10.6957	14.3750	3.6793	45.2	1347 (10)	134.7	89.5	.2665	24.3	2.391×10^{-4}	.267	8.95×10^{-4}
577	4-27-45 " 22	10.7079	14.1298	3.4219	44.8	1253 (10)	125.3	80.5	.2479	23.5	2.312×10^{-4}	.280	8.257×10^{-4}
376	2-27-45 " 23	10.7084	14.6129	3.9045	38	723 (10)	72.3	34.3	.282	8.78	8.64×10^{-5}	.257	3.361×10^{-4}
353	2-27-45 " 23	10.7065	14.0026	3.2961	39	726 (10)	72.6	33.6	.239	10.19	1.003×10^{-4}	.283	3.545×10^{-4}
549	4-26 " 24	10.3686	13.2439	2.8753	33.4	1689 (10)	168.9	135.5	2.084	47.12	4.637×10^{-4}	.309	1.413×10^{-3}
5	4-26-45 " 24	11.8911	15.2279	3.3368	35.8	1823 (10)	182.3	146.5	.242	43.9	4.32×10^{-4}	.282	1.531×10^{-3}
588	" 25	11.0528	13.3689	2.3161	52.6	959 (10)	95.9	43.3	.168	18.7	1.857×10^{-4}	.350	5.30×10^{-4}
10	4-26 " 25	11.8166	14.2846	2.8680	56.2	970 (10)	97.0	40.8	.208	14.2	1.41×10^{-4}	.309	4.56×10^{-4}
13	4-20 " 26	12.0685	16.5747	4.5062	49.6	3679 (10)	367.9	318.3	.326	70.6	7.01×10^{-4}	.239	2.93×10^{-3}
9	" 26	12.2071	15.5777	3.3706	45.2	3693 (10)	369.3	324.1	.244	96.2	9.55×10^{-4}	.282	3.38×10^{-3}
578	4-20 " 27	12.3841	14.1489	1.7648	56.8	2669 (10)	266.9	210.1	.128	119	1.18×10^{-3}	.405	2.91×10^{-3}
504	" 27	11.0036	12.5889	1.5853	33.6	2410 (10)	241.0	207.4	.115	131	1.73×10^{-3}	.425	4.07×10^{-3}
	~~" 28~~												
	" 28												
	~~" 29~~												
	" 29												

Routine Surface Samples

#49

4/17/45 G = .0445 #49 26 Source "C" 13248 9898 (5)

OBS. Marie Willis 4-16-45 G # 4.542

Routine Surface Samples

4/17/45 G F = 49 Source "C" 13248 (5) Obs: Marie Willis

#49 — .0443 26 9898 4-16-45 G F 4.242

#26 — .033 4-17-45 G F —

Dish	Sample	Dry Wt.	Total Wt.	Net Wt.	Bkg C/m	Total Ct.	C/m	Net C/m	C/m	C/m	C/m	C/m	Ec/Gm.	CORR Factor	CORR Ec/Gm
376	1	10.7084	14.3569	3.6485	41.8	389 (10)	38.9	0	—	—	—	—			0
286	2	10.8406	14.3027	3.4621	29.1	29160 (5)	5232.7	5203.6	.251	1511.2	1.54 x10^{-2}	.280	5.50 x10^{-2}
549	5	10.3679	14.0981	3.7202	29.8	5578 (5)	1115.6	1085.8	.270	291.9	2.98 x10^{-3}	.266	1.12 x10^{-2}
6	6	11.9065	15.6643	4.7578	41.6	21696 (5)	4339.2	4297.6	.315	912.0	9.30 x10^{-3}	.231	4.03 x10^{-2}
442	7	12.0822	16.0382	3.9560	29.6	18947 (10)	1894.7	1865.1	.286	478.9	4.85 x10^{-3}	.256	1.91 x10^{-2}
27	9	12.2212	14.7069	2.4757	33.8	25492 (10)	5098.4	5064.6	.179	2045.7	2.08 x10^{-2}	.340	6.11 x10^{-2}
347	A	10.6957	14.6227	3.9270	34.4	11844 (10)	1184.4	1150.0	.263	292.8	2.99 x10^{-3}	.257	1.16 x10^{-2}
4	B	13.4884	15.8701	2.3817	40.0	33881 (5)	6776.2	6736.2	.173	2845.1	2.92 x10^{-2}	.343	8.51 x10^{-2}
591	C	10.9733	13.0126	2.0393	34.2	10176 (5)	2035.2	2001.0	.143	981.2	1.00 x10^{-2}	.380	2.63 x10^{-2}
579	D	10.7079	12.3143	1.5964	34.4	10819 (10)	1081.9	1047.5	.116	656.2	6.79 x10^{-3}	.426	1.59 x10^{-2}
15	E	11.7741	12.9901	1.2160	41.3	9515 (10)	951.5	910.2	.125	527.3	5.30 x10^{-3}	.412	1.30 x10^{-2}
376	26	10.7084	12.3154	1.6070	30	920 (10)	92.0	62.0	.116	38.6	3.94 x10^{-4}	.426	9.25 x10^{-4}
353	27	10.7065	13.6393	2.9328	30.7	596 (10)	59.6	27.	.212	9.2	9.38 x10^{-5}	.305	3.08 x10^{-4}
4	28	13.4884	15.1557	1.6673	29.6	465 (10)	46.5	17.	.121	10.2	1.09 x10^{-4}	.415	2.35 x10^{-4}
591	29	10.9733	12.7828	1.8095	38.0	437 (10)	43.7	5.7	.131	3.2	3.35 x10^{-5}	.404	1.08 x10^{-4}
4-17-45	30	11.8909	13.9577	2.0668	56.6	1517 (10)	151.7	95.1	.150	46.0	4.69 x10^{-4}	.370	1.27 x10^{-3}
11	31	12.0136	14.3887	2.1701	59.4	1462 (10)	146.2	86.8	.157	40.0	4.08 x10^{-4}	.363	1.12 x10^{-3}
586	32	11.9065	13.2759	1.3754	54.4	924 (10)	92.4	38.0	.100	27.6	2.82 x10^{-4}	.457	6.17 x10^{-4}
10	33	11.8162	13.9422	2.0256	56	693 (10)	69.3	13.1	.147	6.5	6.63 x10^{-5}	.377	1.76 x10^{-4}
2	34	11.4880	13.3190	1.8309	54.6	531 (10)	53.1	0	.133	0	—	—	0
18	35	13.6248	15.5571	2.5323	53.2	622 (10)	62.2	7.0	.184	2.8	2.86 x10^{-5}	.328	8.72 x10^{-5}
580	36	12.0130	15.7752	3.7622	57	566 (10)	56.6	0	—	0	—	—	0
31	10	11.6192	13.3626	1.7434	36.8	9128 (10)	912.8	874.0	512.6	501.3	6.81 x10^{-3}	.412	1.65 x10^{-2}
547	11	10.6950	12.0565	1.3548	32.6	18620 (10)	1862.0	1829.4	1092.8	1350.3	1.83 x10^{-2}	.412	5.96 x10^{-2}
7	12	11.8946	12.7344	[illegible]	[illegible]	[illegible] (10)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] x10^{-2}	[illegible]	[illegible] x10^{-2}

Source C #76 → 10.4222 G.F. 3.44 B.G. 25.6
#49 → 13.376 4.47 42.6

4-18-48

Obs. Marie Willis

Vial	Sample	Dish Wt.	Total Wt.	Net Wt.	B.G.	Total Ct.	C/m	Net C/m	C/m/Gm	C/m/Gm²	C/m/Gm.	Fl/Gm.	C.S. Fl/Gm.	Rel. Fl/Gm.
401	13	11.0392	13.5533	2.5141	32	689.8 (10)	689.8	657.	.181	261.3	3.55×10^{-3}	.335	1.06×10^{-2}
442	14	13.0822	15.4254	3.3432	28.4	271.4 (10)	271.4	243.	.246	72.7	9.89×10^{-4}	.293	3.49×10^{-3}
448	15	11.9850	13.0473	2.0623	27.4	592 (10)	59.2	32.	.150	15.5	2.11×10^{-4}	.372	5.67×10^{-4}
29	16	13.1289	15.3955	2.0666	32.2	801 (10)	80.1	48.	.150	23.2	3.16×10^{-4}	.372	8.49×10^{-4}
533	17	12.0264	14.2301	2.2037	24	773 (10)	77.3	53	.159	24.1	3.28×10^{-4}	.362	9.06×10^{-4}
9	19	11.5387	13.7927	2.2540	26.2	689 (10)	68.9	43.	.163	19.1	2.60×10^{-4}	.356	7.30×10^{-4}
7	22	13.4864	14.7129	1.2245	29.4	4-19-48 1012 (10)	101.2	71.8	.088	58.6	7.96×10^{-4}	.486	1.64×10^{-3}
19	24	13.0546	18.3385	5.2839	37	863 (10)	86.3	49.3	.382	9.3	1.26×10^{-4}	.219	5.75×10^{-4}
150	25	11.7741	13.2669	1.4928	33	701 (10)	70.1	37.1	.108	24.9	3.38×10^{-4}	.441	7.66×10^{-4}
280	F	12.4788	13.8433	1.3645	31.8	1239.7 (10)	1239.7	1207.9	.098	125.7	1.70×10^{-2}	.496	3.65×10^{-2}
272	G	10.8943	12.3664	1.4721	33	5887 (10)	588.7	555.7	.106	377.5	5.13×10^{-3}	.443	1.16×10^{-2}
14*	N	12.6120	14.4661	1.9541	51.8	1937 (10)	193.7	135.9	.141	69.5	7.09×10^{-4}	.385	1.84×10^{-3}
27*	O	12.2212	13.8193	1.5981	63	9635 (10)	963.5	900.5	.115	563.5	5.75×10^{-3}	.434	1.32×10^{-2}
26*	P	11.9849	14.5034	2.6185	55.6	9974 (10)	997.4	941.8	.189	359.7	3.67×10^{-3}	.327	1.12×10^{-2}
519*	R	10.3629	12.1088	1.7409	48.8	9510 (10)	951.0	902.2	.126	518.2	5.29×10^{-3}	.412	1.29×10^{-2}

4-21 Source C Counter #49 } 13,551 G.F. 4.52 B.G. 44
#26 } 10,394 3.44 27

4-23 Source C Counter #49 → 13,627 } 4.56 B.G. 42
13,769 }

4-24 Counter 49 13,769 } 4.54 42

Marie Willis

4-21 Source C Counter #49 } 13,551 G.F. 4.52 20 BG. 44
" #26 } 10,391 3.44 27

4-23 Source C Counter #49 → 13,637 } 4.56 BG 42
13,765

4-24 Counter 49 13,760 } 4.58 42
" 26 13,728 31

Marie Willis

Dish	Sample	Dish Wt.	Total Wt.	Net Wt.	B.G.	Total Ct.	Net Ct.	Ct/m	Net C/m	Cm/m	Cm/m	Cm/m	Eff	Sm	Calc Factor	Pu-RR Eq/m
59	L 7	12.2071	16.2745	4.0674	40.8	422 (10)	42.2	1.4	.295	.314		3.31×10^{-6}	.259		1.3×10^{-5}
5	L 7	11.8911	15.4236	3.5325	36.3	412 (10)	41.2	4.9	.256	1.39		1.34×10^{-5}	.275		4.87×10^{-5}
580	4-30 8	12.0122	15.6737	3.6615	42.8	668	66.8	24.0	.265	6.55		6.285×10^{-5}	.268		2.35×10^{-4}
586	4-30 8	11.9005	15.9518	4.0543	41	548	54.8	13.8	.294	3.4		3.26×10^{-5}	.254		1.28×10^{-4}
11	4-30 9	13.1657	18.3067	5.1410	44.6	1182 (11)	107.5	62.9	.373	12.24		1.17×10^{-4}	.223		5.25×10^{-4}
20	4-30 9	11.8258	17.2351	5.4093	40.2	1215 (10)	121.5	81.3	.392	15.02		1.44×10^{-4}	.216		6.62×10^{-4}
20	4-21 10	11.2146	13.7212	2.5066	29.2	576 (10)	57.6	28.4	.182	11.33		1.48×10^{-4}	.334		4.43×10^{-4}
577	" 10	10.7079	13.0988	2.3909	29.2	554 (10)	55.4	26.2	.173	10.95		1.43×10^{-4}	.34		4.18×10^{-4}
20	" 11	12.8258	16.1697	3.3439	53.3	870 (10)	87.0	33.7	.243	10.00		$.927\times10^{-4}$	.282		3.54×10^{-4}
5	" 11	11.8911	15.6565	3.7654	57.2	888 (10)	88.8	31.6	.273	8.392		8.37×10^{-5}	.263		3.18×10^{-4}
6	4-20 4A	11.9094	14.5211	2.6117	32.8	1305 (10)	130.5	97.5	.189	38.8		5.12×10^{-4}	.327		1.57×10^{-3}
11	" 4A	13.1659	15.3739	2.2080	28.4	1356 (11)	123.2	94.8	.160	42.9		5.66×10^{-4}	.358		1.58×10^{-3}
5	4-30 13	11.8911	16.1942	4.3031	48	567 (10)	56.7	8.7	.312	2.02		1.938×10^{-5}	.247		7.84×10^{-5}
14	4-30 13	12.6105	16.0542	3.4437	42	540 (10)	54.0	12	.250	3.5		3.358×10^{-5}	.278		1.21×10^{-4}
503	" 14	12.0264	14.8069	2.7805	51.2	980 (10)	98.0	36.8	.201	16.83		1.67×10^{-4}	.315		5.30×10^{-4}
579	" 14	10.3686	13.3288	2.9652	58.6	948 (10)	94.8	36.2	.214	12.22		1.25×10^{-4}	.293		4.17×10^{-4}
326	4-21 15	4-24 10.7065	13.2332	2.7267	24.4	1036 696 (10)	103.6 69.6	79.2 38.2	.197	29.04 14.001		3.801×10^{-4} 1.83×10^{-4}	.320		1.19×10^{-3}
9	" 15	11.6334	16.0451	3.4117	34.2	1213 640 (10)	121.3 64.0	87.1 29.8	.247	25.53 8.73		3.34×10^{-4} 1.70×10^{-4}	.280		1.19×10^{-3}
12	" 16	11.4886	14.1975	2.7089	47	1069 1159 (10)	106.9 115.9	59.9 68.9	.196	22.11		2.187×10^{-4}	.320		6.83×10^{-4}
17	" 16	11.4456	15.1489	3.7033	50.2	1216 1107 (10)	121.6 110.7	71.4 60.5	.268	19.29 16.37		1.90×10^{-4} 1.6×10^{-4}	.267		7.13×10^{-4}
547	" 17	10.6957	13.9506	3.2549	53.6	654 (10)	65.4	11.8	.235	3.620		3.58×10^{-5}	.237		1.75×10^{-4}
1	" 17	13.4884	14.2838	.7954	52.4	698 (10)	69.8	17.4	.0576	21.80		215×10^{-4}			

Obs. Marie Willis

Dish	Sample	Dish Wt.	Total Wt.	Net Wt.	Bkg.	Total Ct	C/m	Net C/m	C/m/g	C/m/g/m	Eff/Bm.	Corr. Factor	Corr. Eff.
554	4-23 L 18	11.0036	13.6731	2.6695	57.2	1159 (10)	115.9	58.7	.193	21.9	2.16×10^{-4}	.325	6.65×10^{-4}
401	" 18	11.0385	14.1255	3.0870	48.8	1177	117.7	68.9	.224	22.3	2.2×10^{-4}	.297	7.41×10^{-4}
111	4-24 " 19	12.0822	13.9855	1.9033	27	695 (10)	69.5	42.5	.138	22.32	2.94×10^{-4}	.390	7.49×10^{-4}
230	" 19	12.4788	14.7436	2.2648	26.8	665 (10)	66.5	39.7	.164	17.52	2.29×10^{-4}	.356	6.54×10^{-4}
4	4-24 " 20	13.4884	15.1436	1.6552	52.6	1160 (10)	110.0	52.4	.119	31.66	3.156×10^{-4}	.420	7.51×10^{-4}
28	" 20	11.6245	13.2987	1.6742	56.2	1012 (10)	101.2	45.0	.121	26.87	2.79×10^{-4}	.415	6.46×10^{-4}
347	4-30 " 21	10.6957	14.4949	3.7992	37.4	780	78.0	40.6	.275	10.7	1.03×10^{-4}	.264	3.90×10^{-4}
376	4-30 " 21	10.7084	15.3106	4.6022	41.8	664	66.4	24.6	.333	5.35	5.13×10^{-5}	.238	2.16×10^{-4}
7	4-23 " 22	11.8982	15.1184	3.2202	51.2	1463 (10)	146.3	95.1	.233	29.5	2.94×10^{-4}	.293	9.95×10^{-4}
15	" 22	11.7734	13.8853	2.1119	51.2	1489 (10)	148.9	97.7	.153	46.5	4.54×10^{-4}	.370	1.24×10^{-3}
13	4-30 " 23	12.0688	16.1580	4.0892	43.6	1401 (10)	140.1	96.5	.296	23.59	2.26×10^{-4}	.253	8.93×10^{-4}
31	4-30 " 23	11.6208	15.6139	3.9931	44.2	1426	142.6	98.4	.289	24.6	2.36×10^{-4}	.255	9.25×10^{-4}
376	4-24 " 24	10.7084	14.0349	3.3265	53.6	1311 (10)	131.1	77.5	.241	23.30	2.29×10^{-4}	.284	8.06×10^{-4}
21	" 24	13.1268	16.3155	3.1887	53.8	1285 (10)	128.5	74.7	.231	23.43	2.30×10^{-4}	.29	2.88×10^{-4}
14	4-24 " 25	12.6105	16.2933	3.6828	53.5	1258 (10)	125.8	72.3	.267	19.63	1.929×10^{-4}	.267	7.22×10^{-4}
27	" 25	10.8955	14.0189	3.1234	52.2	1473 (11)	116.7	64.5	.226	20.65	2.029×10^{-4}	.295	6.87×10^{-4}
21	4-27-45 " 26	13.1268	16.9786	3.8518	43.6	652 (10)	65.2	21.6	.279	5.61	5.52×10^{-5}	.263	2.10×10^{-4}
15	4-27-45 " 26	11.7734	15.5481	3.7747	45.8	641 (10)	64.1	18.3	.294	4.89	4.77×10^{-5}	.264	1.81×10^{-4}
25	4-24 " 27	11.8688	15.3891	3.5203	48.8	1089	108.9	60.1	.255	17.07	1.678×10^{-4}	.275	6.10×10^{-4}
148	" 27	11.9850	16.0118	4.0268	44.5	1195	119.5	75.0	.292	18.63	1.83×10^{-4}	.254	7.20×10^{-4}

4-25 Source C Counter #49 → 13,485 4.52 2σ BG 37
" #26 13,646 4.55 2σ 28
4.53

4-26 Source C #49 13415 BG 31
#26 13755 23

4-27 Source C 13,730 4.576 2σ
4.5

Obs Marie Willis
BG 27

4-25 Source c counter #49 → 13,485 4.50 2σ BG. 37
" #26 13,646 4.55 2σ 28
4.53

4-26 Source c #49 13415 BG. 31
#26 13255 23

4-27 Source c 13,720 4.576 2σ
.9842 × 10^-5

Obs Marie Willis 47

Disk	Sample	Disk wt.	Total wt	net wt	BG.	total counts	c/m	net/m.	in/cm²	c/mg.			
502*	4-26 L 28	11.6532	17.3872	5.7640	45	1168 (10)	116.8	71.8	.418	17.5	1.24 × 10^-4	.207	5.99 × 10^-4
580*	4-26 " 28	12.0122	18.3436	6.3308	50	1208 (10)	120.8	70.0	.458	11.06	1.10 × 10^-4	.196	5.61 × 10^-4
26*	4-26 " 29	11.9846	14.8168	2.8322	51.4	165.2 (10)	165.2	113.8	.205	40.18	3.949 × 10^-4	.31 ✓	1.27 × 10^-3
22*	" 29	11.7234	14.7266	3.0032	51.6	173.1 (10)	173.1	121.5	.218	40.4	3.921 × 10^-4	.30 ✓	1.31 × 10^-3
401*	4-26 " 30	11.0385	15.7515	4.7130	42.6	123.0 (10)	123.0	75.4	.342	16.0	1.59 × 10^-4	.232	6.85 × 10^-4
7*	4-26 " 30	11.8982	15.5491	3.6509	43.4	119.6 (10)	119.6	73.2	.265	20.0	1.99 × 10^-4	.270	7.37 × 10^-4
578*	4-26 " 31	12.3841	15.5693	3.1852	53	122.3	122.3	69.3	.231	21.76	2.17 × 10^-4	.292	7.43 × 10^-4
202*	" 31	11.2146	14.6586	3.4440	44.3	126.4 (10)	126.4	82.1	.2495	23.84	2.37 × 10^-4	.273	8.68 × 10^-4
40	4-26 " 32	13.4884	17.5725	4.0841	32.8	105.6 (10)	105.6	72.8	.2907	17.83	1.77 × 10^-4	.25 ✓	7.07 × 10^-4
46	4-26 " 32	11.2054	15.4128	4.2174	35	98.9 (10)	98.9	63.9	.305	15.17	1.51 × 10^-4	.248	6.09 × 10^-4
10*	4-26 " 33	11.8166	14.7203	2.9037	53	130.2 (10)	130.2	77.2	.2104	26.59	2.65 × 10^-4	.307	8.63 × 10^-4
586	" 33	11.9005	14.7530	2.8525	53	134.7	134.7	81.7	.2067	28.64	2.85 × 10^-4	.31 ✓	9.13 × 10^-4
272*	" 34	10.8955	13.9855	3.0940	54	69.9 (10)	69.9	15.9	.224	5.14	5.09 × 10^-5	.297	1.71 × 10^-4
401*	" 34	11.0385	13.6534	2.6149	56.8	84.0 (10)	84.0	27.2	.189	10.4	1.03 × 10^-4	.379	3.15 × 10^-4
17*	4-26 " 35	11.4456	14.2858	2.8402	53.6	72.8 (10)	72.8	19.2	.206	6.77	6.67 × 10^-5	.312	2.14 × 10^-4
12*	" 35	11.4881	14.1207	2.6326	48.5	73.4 (10)	73.4	24.9	.191	9.46	9.38 × 10^-5	.328	2.87 × 10^-4
3.1*	4-26 " 36	11.6308	15.4296	3.8088	54.8	152.1 (10)	152.1	97.3	.276	25.55	2.54 × 10^-4	.263	9.66 × 10^-4
1.3*	4-26 " 36	12.0685	15.9510	3.8825	54.4	156.8	156.8	102.4	.2813	26.37	2.62 × 10^-4	.260	1.01 × 10^-3
502*	4-26 " 38	11.6232	13.6006	1.9774	53.8	95.4 (10)	95.4	41.6	.143	21.0	9.08 × 10^-4	.380	5.47 × 10^-4
339*	" 38	11.0974	13.1593	2.0619	49	88.2 (10)	88.2	39.2	.142	19.0	1.87 × 10^-4	.380	4.9 × 10^-4
586*	4-26 " 38	11.9005	14.3128	2.4123	52.8	58.7 (10)	58.7	5.9	.175	2.44	2.32 × 10^-5	.345	7.01 × 10^-6
448*	" 38	11.9820	14.5764	2.5944	48.8	57.4 (10)	57.4	8.6	.188	3.32	3.29 × 10^-5	.320	9.97 × 10^-5
7*	4-26 " 39	11.4456	15.6044	4.1588	44.8	144.5 (10)	144.5	99.7	.229	31.56	3.14 × 10^-4	.291	1.08 × 10^-3
22*	4-26 " 39	11.9234	15.7620	4.0386	45.3	143.9 (10)	143.9	98.6	.293	24.41	2.43 × 10^-4	.254	9.57 × 10^-4

4 - 20
Source C #49 14188 → 14085 → GF 4695 → 1.042×10^{5} → $.9596 \times 10^{5}$
#26 13922

Obs Marie Willis

Dish	Sample	Dish wt.	total wt.	net wt.	BG C/M	total counts	C/M	net C/M	gm/cm²	C/M/gm	yr/gm	corr	
24	4-26 40	11.9995	18.1100	6.1205	30.4	473 (10)	47.3	16.9	.443	2.76	2.74×10^{-5}	.200	1.37×10^{-4}
442	4-26 40	12.0822	18.0343	5.9521	30.8	493 (10)	49.3	18.5	.424	3.11	3.09×10^{-5}	.205	1.51×10^{-4}
6	41	11.9094											
11	41	13.1659											
578	4-30 L17	12.3841	17.2380	4.8539	41.8	615 (10)	61.5	19.7	.352	4.166	3.997×10^{-5}	.228	1.75×10^{-4}
10	4-30 L17	11.8163	16.5498	4.7335	44	611 (10)	61.1	17.1	.343	3.61	3.46×10^{-5}	.233	1.48×10^{-4}
2	4-30 L12	11.6332	15.7623	4.1291	42.4	518 (10)	51.8	9.4	.299	2.25	2.159×10^{-5}	.250	8.64×10^{-5}
21	4-30 L12	13.1268	17.2564	4.1296	42.8	521 (10)	52.1	9.3	.299	2.25	2.159×10^{-5}	.250	8.64×10^{-5}
31	Retake 5-8 L-38	11.6208	16.1741	4.5533	39.2	1425 (10)	142.5	103.3	.330	22.68	2.15×10^{-4}	.238	9.03×10^{-4}
11	5-8 L-38	13.1659	17.7748	4.6089	43	1534 (10)	153.4	110.4	.234	23.95	2.268×10^{-4}	.292	7.767×10^{-4}
26	L-13	11.9863	17.2836	5.2973	41.5	648 (10)	64.8	23.3	.384	4.518	11.16×10^{-5}	.218	1.91×10^{-4}
588	L-13	11.0528	15.4578	4.405	38	670 (10)	67.0	29.0	.319	6.58	6.23×10^{-5}	.242	2.57×10^{-4}
15	Rechecks L12	11.7734	15.8465	4.0731	40.2	694 (10)	69.4	29.2	.295	7.16	6.78×10^{-5}	.253	2.68×10^{-4}
580	L12	12.0122	15.4932	3.4810	38	656 (10)	65.6	27.6	.252	7.92	7.5×10^{-5}	.284	2.64×10^{-4}
	~~L-38~~												
	~~L-38~~												

4-18-45
Source C Counter #26 C/5 min 10472 GF 3.44 BG C/M 25.6
" #49 13376 4.47 42.6

4-28
Source C #49 13,603 BG 36
" #26 [illegible]

Obs Marie Willis

4-18-45 Source C counter #26 C/5 min 10472 C.F. 3.44 B.C. 25.6 C/m.
" #49 13376 4.47 42.6

4-28 Source C #49 13,603 33
" #26 13,747 36
13,796 26

Obs Marie Willis

Dish	Sample	Dish Wt.	Total Wt.	Net Wt.	B.L. %	Total C.	C/m	Net C/m	gm	1/gm	= C/m/gm			
4*	5	13.4884	18.7788	5.2904	44.4	497 (10)	49.7	5.3	.383	1.00	9.81×10^{-6}	.218	4.5×10^{-5}
549*	5	10.3686	14.9153	4.5467	44.6	410 (10)	41.0	0			0		
442*	4-22 11 2	11.2054	16.6680	5.4626	53.2	433 (10)	43.3	0			0		
52*	4-22 11 2	11.7234	16.6797	4.9563	57	454 (10)	45.4	0			0		
17*	4-22 11 3	11.4456	15.3231	3.8775	55.4	569 (10)	56.9	1.5	.281	.387	3.796×10^{-5}	.257	1.48×10^{-5}
502*	4-28 11 3	11.6232	15.4159	3.7927	45	534 (10)	53.4	8.4	.275	2.21	2.168×10^{-5}	.263	8.24×10^{-5}
539	11 4	11.0939	13.9515	2.8576	29.6	408 (11)	40.8	11.2	.207	3.9	5.10×10^{-5}	.312	1.64×10^{-4}
554	11 4	11.0021	14.1604	3.1583	26.2	456 (10)	45.6	19.4	.229	6.1	$[illegible]\times10^{-5}$	.293	2.72×10^{-4}
580*	4-18 11 5	12.1130	13.8035	1.7905	57.0	696 (10)	69.6	12.6	.129	7.74	7.10×10^{-5}	.405	1.75×10^{-4}
546*	11 5	11.2054	13.4652	2.2598	55.8	827 (10)	82.7	26.9	.163	11.8	1.19×10^{-4}	.355	3.35×10^{-4}
520	4-27 11 6	10.9668	15.0415	4.0747	29.4	337 (10)	33.7	4.3	.295	1.06	1.039×10^{-5}	.252	4.12×10^{-5}
611	4-27 11 6	12.4896	17.3400	4.8510	30.6	320 (10)	32.0	[illegible]	.352	.289	1.835×10^{-5}	.278	1.25×10^{-5}
353	4-18 11 7	10.7065	13.2633	2.5568	25.6	329 (10)	32.9	2.3	.185	2.9	3.79×10^{-5}	.333	1.14×10^{-4}
502	11 7	11.6233	14.3097	2.6858	28.0	317 (10)	31.7	3.7	.195	1.4	1.83×10^{-5}	.320	5.72×10^{-5}
448*	4-28 11 8	11.9840	14.1928	2.1828	54.0	603 (10)	60.3	6.3	.158	2.9	2.92×10^{-5}	.362	8.07×10^{-5}
14*	11 8	12.6120	14.8082	2.1962	59.6	636 (10)	63.6	4.0	.159	1.8	1.87×10^{-5}	.362	5.03×10^{-5}
544*	4-28 11 9	11.2054	15.8380	4.6326	43.2	678 (10)	67.8	24.6	.336	5.31	5.21×10^{-5}	.234	2.23×10^{-4}
7*	4-28 11 9	11.8982	15.9956	4.0974	42.2	710 (10)	71.0	23.8	.297	5.81	5.699×10^{-5}	.251	2.27×10^{-4}
18*	4-30 11 10	13.0268	16.3516	3.3248	46.4	465 (10)	46.5	0.1	.241	0.30	2.88×10^{-6}	.285	1.01×10^{-5}
577*	4-30 11 10	10.7029	13.6785	2.9706	44.2	464 (10)	46.4	0.2	.215	0.41	2.11×10^{-6}	.305	2.33×10^{-5}
202*	4-18 11 11	11.2146	15.6186	4.4040	59.2	598 (10)	59.8	0.6	.318	0.14	1.41×10^{-6}	.243	5.79×10^{-6}
586	11 11	11.9005	15.1386	3.2379	28.0	349 (10)	34.9	6.9	.254	2.1	2.75×10^{-5}	.288	9.54×10^{-5}
399	4-28 11 12	11.0974	15.3190	4.2216	29.8	344 (10)	34.4	4.6	.306	1.09	1.069×10^{-5}	.248	4.31×10^{-5}
591	4-28 11 12	10.9714	14.6791	3.7078	33	472 (10)	47.2	14.2	.269	3.83	3.76×10^{-5}	.267	1.41×10^{-4}

Obs. Marie Willis

18

Dish	sample	Dish Wt.	Total Wt.	Net Wt.	BG c/m	total ct.	c/m	net c/m	gm/cm²	c/m/gm			
129	4-14 5 13	11.4886	15.2022	3.7134	46.4	394 (10)	39.4	0	.269	0	0		0
26	4-24 5 13	11.9863	15.8296	3.8433	29	341 (10)	34.1	5.1	.279	1.33	1.30×10^{-5}	.263	4.94×10^{-5}
591	4-18 5 14	10.9733	13.7390	2.7657	36.8	319 (10)	31.9	0	.200	0	0	.318	0
610	5 14	10.3832	13.1034	2.7202	52.2	611 (10)	61.1	8.9	.197	3.27 3.4	3.29×10^{-5} 3.43×10^{-5}	.319	1.07×10^{-4}
442	4-18 5 15	12.0822	14.2839	2.2017	52.8	617 (10)	61.7	8.9	.159	4.0	4.03×10^{-5}	.360	1.12×10^{-4}
520	5 15	10.9677	12.8142	1.8465	53.6	593 (10)	59.3	5.7	.133	3.1	3.13×10^{-5}	.395	7.93×10^{-5}
533	4-25 5 16	12.0264	16.4053	4.3789	27.6	479 (10)	47.9	20.3	.317	4.64	4.55×10^{-5}	.344	1.86×10^{-4}
272	4-25 5 16	10.8955	16.5290	5.6335	29.0	454 (10)	45.4	16.4	.408	2.91	2.85×10^{-5}	.207	1.38×10^{-4}
611	4-18 5 17	12.4890	16.4828	3.9938	51.2	599 (10)	59.9	8.7	.288	2.2	2.02×10^{-5}	.257	8.63×10^{-5}
24	5 17	11.9995	16.0615	4.0620	32.8	336 (10)	36.6	3.8	.293	0.94	1.18×10^{-5} 2.67×10^{-5}	.255	4.63×10^{-5} 1.27×10^{-5}
27	5 18	11.6334	14.5485	2.9151	54.2	637 (10)	63.7	9.5	.210	3.3	3.23×10^{-5}	.308	1.08×10^{-4}
28	5 18	11.6245	14.5485	2.9240	30.4	368 (10)	36.8	6.4	.211	2.2	2.88×10^{-5}	.308	9.35×10^{-5}
521	4-28-45 5 19	11.1268	16.2080	5.0812	27.2	404 (10)	40.4	13.2	.368	2.60	9.55×10^{-5}	.224	1.14×10^{-4}
580	4-27-45 5 19	11.0528	16.1431	5.0903	28.6	394 (10)	39.4	10.8	.369	2.12	2.079×10^{-5}	.224	9.28×10^{-5}
710	4-18 5 20	11.8166	15.2037	3.3871	56	572 (10)	57.2	1.2	.244	0.35	3.53×10^{-5}	.280	1.26×10^{-5}
4	5 20	13.4884	17.0079	3.5195	29.6	361 10	36.1	6.5	.254	1.8	2.35×10^{-5}	[illegible]	8.54×10^{-5}
18	4-18 5 21	13.0248	16.4196	3.3948	55.2	625 (10)	62.5	7.3	.245	2.1	2.12×10^{-5}	.280	7.58×10^{-5}
578	5 21	12.3853	14.8684	2.4831	32.8	327 (10)	32.7	0	.179	0	0	.338	0
1	4-18 5 22	13.4884	15.5539	2.0655	37.8	353 (10)	35.3	0	.149	0	0	.320	0
26	5 22	11.9849	14.2779	2.2930	30.2	333 (10)	33.3	3.1	.168	1.3	1.20×10^{-5}	.350	4.87×10^{-5}
27	4-28 5 23	12.2212	16.2401	4.0189	29.8	430 (10)	43.0	13.2	.291	3.28	3.22×10^{-5}	.253	1.27×10^{-4}
610	4-27 5 23	10.3832	12.1124	1.7292	26	344 (10)	34.4	8.4	.125	4.86	4.72×10^{-5}	.407	1.17×10^{-4}

5-1 #117 Source c 13,752 / 4,584 [illegible] 1.01×10^{-5}

5-2 #49 13,687 c/5m. 4,562 GF 1.01×10^{-5}

Source c #49 13,912 c/5min. / 4,647 GF [illegible] 1.02×10^{-5}

Obs. Marie Willis

5-1 Source c #49 — 13,752 / 4,584 / 1.017 x 10^5 / .9833 x 10^-5 — BG 35

5-2 #49 — 13,087 c/m. / 4,562 / GF / 1.018 x 10^5 / .9871 x 10^-5 — BG

5-3 Source c #49 — 13,912 c/5 min. / 4,647 / BG-F / 1.032 x 10^5 / .9691 x 10^-5

Dil.	Sample	Dish wt.	total wt	net wt.	BG c/M	total ct.	c/M	Net c/M	gm/cm²	c/M/gm.	μc/gm.	corr	Corr μc/gm.
502	5-1 1	11.6232	15.3300	3.7068	43	2870 (10)	2870	244.0	.269	65.82	6.38×10^{-4}	.266	2.398×10^{-3}
20	1	12.8258	16.0294	3.2036	43.4	2875 (10)	2875	244.1	.232	76.20	7.38×10^{-4}	.292	2.527×10^{-3}
12	5-1 2	11.4886	19.8786	8.3900	36.8	9878 (10)	9878	951	.608	113.3	1.14×10^{-3}	.163	6.83×10^{-3}
22	2	11.7234	21.1075	9.3841	43.8	11767 (10)	1176.7	1130.9	.580	194.7	1.18×10^{-3}	.152	7.81×10^{-3}
2	5-3 Cubo 3	11.6332	19.3200	7.6868	40.6	2324 (10)	232.4	191.8	.577	24.95	2.43×10^{-4}	.174	1.39×10^{-3}
1	5-3 3	11.5387	18.6455	9.1068	42	3360 (10)	336.0	294	.515	41.4	4.01×10^{-4}	.182	2.20×10^{-3}
6	5-1 4	11.9049	15.3541	3.4492	42.5	1290 (10)	129.0	86.5	.250	25.1	2.68×10^{-4}	.278	8.88×10^{-4}
11	5-1 4	12.4890	15.7460	3.2570	47.2	1297 (10)	129.7	82.5	.236	25.3	2.48×10^{-4}	.288	8.64×10^{-4}
521	5-7 5	11.1263	15.5491	4.4228	39.4	2837 (10)	283.7	244.3	.320	55.23	5.36×10^{-4}	.242	2.205×10^{-3}
442	5-7 5	12.0822	18.3836	6.3014	43.4	3288 (10)	328.8	285.4	.457	45.29	4.38×10^{-4}	.197	2.22×10^{-3}
13	5-5 6	12.0685	16.5782	4.5097	41.3	522 (10)	52.2	10.9	.326	2.42	2.31×10^{-5}	.240	9.712×10^{-5}
26	5-5 6	11.9863	15.7600	3.7737	39	520 (10)	52.0	13.0	.293	3.44	3.12×10^{-5}	.267	1.169×10^{-4}
9	5-2 7	12.5071	17.6080	5.4009	44.2	9839 (6)	1639.6	1599.4	.591	276.1	2.92×10^{-3}	.216	1.35×10^{-2}
272	5-2 7	10.8955	15.9856	5.0901	38.6	9950 (7)	1421.4	1382.8	.369	277.7	2.68×10^{-3}	.223	1.20×10^{-2}
521	5-2 8	11.7263	14.3866	3.2603	40.4	11538 (10)	1153.8	1113.4	.236	341.5	3.31×10^{-3}	.288	1.17×10^{-2}
610	5-2 8	10.3832	13.1682	2.7800	34.2	10799 (10)	1079.9	1045.7	.201	376.2	3.71×10^{-3}	.317	1.17×10^{-2}
17	5-2 9	11.4456	15.1975	3.7319	41.6	4992 (10)	499.2	457.6	.270	112.6	1.19×10^{-3}	.266	4.47×10^{-3}
586	5-2 9	11.9005	15.5843	3.6838	39.6	4547 (10)	454.7	415.1	.267	112.6	1.09×10^{-3}	.269	4.08×10^{-3}
533	5-2 10	12.0264	16.8418	4.8154	45.6	1463 (10)	146.3	102.7	.349	21.32	2.07×10^{-4}	.230	9.0×10^{-4}
411	5-2 10	11.0385	15.9696	4.9311	49.6	1614 (10)	161.4	111.8	.357	22.67	2.20×10^{-4}	.228	9.65×10^{-4}
26	5-2 11	11.9846	16.1120	4.1274	39.4	11715 (10)	1171.5	1132.1	.299	274.3	2.71×10^{-3}	.251	1.08×10^{-2}
353	5-2 11	10.7065	14.3511	3.6446	44.2	10917 (10)	1091.7	1047.5	.264	287.4	2.84×10^{-3}	.270	1.05×10^{-2}

5-4 Sample c #49 14167 27

Ch. Marie Hillis

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Dish 480	Sample	Dish Wt	Total Wt	Net Wt	B.D. g/m	Total Ct.	g/m	Net Cm.	gm/cm³	Cm/gm			FK
14	12	12.0122	15.4880	3.4758	45.4	2959 (10)	295.9	250.5	.251	72.67	6.943×10^{-4}	.278	2.497×10^{-3}
14	12	12.6105	17.1211	4.5106	54.2	3103 (10)	310.3	256.1	.326	56.8	5.473×10^{-4}	.248	2.28×10^{-3}
272	13	10.8955	18.2150	7.3195	37.4	2198 (10)	219.3	181.9	.530	24.85	2.40×10^{-4}	.178	1.35×10^{-3}
401	13	11.0385	17.6247	6.5862	50	2173 (10)	217.3	167.3	.477	25.4	2.45×10^{-4}	.192	1.28×10^{-3}
15	14	11.7734	16.1493	4.3759	41.7	5326 (10)	537.6	495.9	.317	113.2	1.09×10^{-3}	.245	4.449×10^{-3}
4	14	13.1284	17.4472	3.9608	40.8	4904 (10)	490.4	449.6	.287	113.5	1.09×10^{-3}	.253	4.308×10^{-3}
11	15	13.1659	17.6533	4.4874	42.2	8938 (10)	893.8	851.6	.335	189.8	1.82×10^{-3}	.240	7.616×10^{-3}
546	15	11.2054	16.3866	5.1812	40.2	9056 (10)	905.6	865.4	.369	169.3	1.62×10^{-3}	.223	7.265×10^{-3}
2	16	11.6332	15.5382	3.9050	37.2	4634 (10)	463.4	436.2	.283	108.6	1.05×10^{-3}	.257	4.09×10^{-3}
586	16	11.9005	15.1901	3.2896	41.2	4185 (10)	418.5	377.3	.238	114.7	1.11×10^{-3}	.282	3.94×10^{-3}
22	17	11.7234	15.4611	3.7377	36.8	2338 (10)	233.8	197.0	.271	52.7	5.07×10^{-4}	.267	1.9×10^{-3}
42	17	11.2146	14.4012	3.1866	41.8	1927 (10)	192.7	150.9	.231	42.35	4.59×10^{-4}	.292	1.565×10^{-3}
10	5-3 18	11.8163	15.6737	3.8574	44	7174 (10)	717.4	673.4	.280	174.6	1.69×10^{-3}	.261	6.48×10^{-3}
591	5-3 18	10.9714	14.8660	3.8946	42	7174 (10)	717.4	673.6	.282	172.9	1.68×10^{-3}	.261	6.44×10^{-3}
588	18	11.0528	15.1582	4.1054	45.6	6209 (10)	620.9	576.3	.297	140.1	1.34×10^{-3}	.252	5.317×10^{-3}
31	19	11.[illegible]	16.3603	4.7395	42.6	6864 (10)	686.4	643.8	.343	135.8	1.31×10^{-3}	.232	5.646×10^{-3}
578	5-3 20	12.3841	16.6844	4.3003	43	1779 (10)	177.9	134.7	.312	31.4	3.0×10^{-4}	.247	1.23×10^{-3}
28	5-3 20	11.[illegible]	15.7683	4.1338	44.3	[illegible] (10)	192.4	153.3	.350	37.0	3.57×10^{-4}	.231	1.43×10^{-3}
21	5-3 21	13.2687	16.7755	3.6487	46.8	520 (10)	52.0	11.2	.264	3.07	2.97×10^{-5}	.181	1.10×10^{-4}
248	5-3 21	11.9850	15.9717	3.9867	43.8	544 (10)	54.4	10.6	.287	2.6[illegible]	[illegible]	.185	[illegible]
611	22	12.4890	15.9101	3.4211	40.4	14316 (10)	1431.6	1391.2	.247	406.7	3.918×10^{-3}	.280	1.372×10^{-2}
12	22	11.4886	14.6785	3.2099	43	12548 (10)	1254.8	1211.8	.233	377.5	3.637×10^{-3}	.292	1.246×10^{-2}

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Dish	Sample	Dish											
902	5-3 23	11.2146	13.6958	1.8812	41.6	2565 (10)	256.5	214.9	.136	11.12	1.27×10^{-3}	.325	2.85×10^{-3}
588	5-3 23	11.0528	13.1010	2.0482	40.6	2557 (10)	255.7	215.1	.148	10.50	1.53×10^{-3}	.300	3.73×10^{-3}
13	5-3 24	12.0685	15.7266	3.6581	41.2 / 31.8	415 (10)	41.5	9.7	.235	2.15	2.55×10^{-5}	.267	9.63×10^{-5}
27	5-3 24	*12.2211	15.9160	3.3949	44.2 / 40.6	454 (10)	45.4	4.8	.246	1.12	1.33×10^{-5}	.275	4.96×10^{-5}
14	5-3 25	12.6105	14.6001	1.9896	38.4	1008 (8)	1260.3	1251.9	.144	614.1	6.06×10^{-3}	.380	1.59×10^{-2}
4	5-3 25	13.4884	15.4893	2.0009	45.2	1013 (8)	1271	1251.9	.145	610.7	6.03×10^{-3}	.380	1.59×10^{-2}
6	5-7 26	11.9049	14.3887	2.4838	40.5	799 (10)	79.9	39.4	.180	15.86	1.53×10^{-4}	.336	4.55×10^{-4}
577	5-7 26	10.7081	13.1025	2.3994	36.2	845 (10)	84.5	48.3	.174	20.1	1.92×10^{-4}	.345	5.628×10^{-4}
15	5-2 27	11.7734	14.1160	2.3426	39	1028 (10)	102.8	65.8	.170	28.1	2.77×10^{-4}	.345	8.33×10^{-4}
577	5-3 27	10.7029	12.9879	2.2800	43.4	1015 (10)	101.5	58.1	.165	25.48	2.515×10^{-4}	.335	8.8×10^{-4}
520	5-3 28	10.9668	13.7956	2.8288	38.8	9615 (6)	1602.5	1563.7	.205	550.8	5.31×10^{-3}	.315	1.71×10^{-2}
25	5-3 28	11.8688	15.0445	3.1757	42.6	11656 (8)	1457.0	1421.4	.230	445.3	4.31×10^{-3}	[illegible]	1.48×10^{-2}
547	5-3 29	10.6957	13.4708	2.7751	37.4	11846 (6)	1974.3	1936.9	.201	697.9	6.87×10^{-3}	.317	2.17×10^{-2}
442	5-3 29	12.0822	14.6435	2.5613	37.4	10115 (6)	1685.8	1648.4	.186	643.6	6.35×10^{-3}	.333	1.91×10^{-2}
7	5-3 30	11.8983	17.3677	5.4715	32.8	1489 (10)	148.9	116.1	.396	21.22	2.06×10^{-4}	.214	9.63×10^{-4}
5	5-3 30	11.8911	16.1077	4.2166	43.2	1422 (10)	142.2	99	.306	23.5	2.28×10^{-4}	.248	9.19×10^{-4}
10	5-7 31	11.8163	14.9274	3.1111	45.4	6984 (10)	698.4	648.0	.225	208.28	2.01×10^{-3}	.295	6.78×10^{-3}
591	5-7 31	10.9714	13.8168	2.8454	38.0	6511 (10)	651.1	613.1	.206	215.47	2.08×10^{-3}	.311	6.69×10^{-3}
520	5-7 32	10.9668	14.3347	3.3679	40.4	4030 (10)	403.0	362.2	.244	107.5	1.038×10^{-3}	.283	3.667×10^{-3}
448	5-7 32	11.9850	14.7856	2.8006	45.6	3590 (10)	359.0	313.4	.203	111.5	1.077×10^{-3}	.312	3.451×10^{-3}
518	33	12.3841	16.8045	4.4204	42.4	781 (10)	78.1	37.7	.320	8.53	8.24×10^{-5}	.242	34×10^{-4}
502	33	11.6232	15.8710	4.2478	39.2	728 (10)	72.8	33.6	.308	7.91	7.64×10^{-5}	.248	3.08×10^{-4}

Obs [illegible]

Source C #49 13,9[illegible] c/5min → 4.663% G.F → 1.035 x 10^5 → .9662 x 10^-5

5-8 Source C #49 14,269 → 4.[illegible]56% G.F → 1.056 x 10^5 → .9469 x 10^-5

Dish	Sample	Dish Wt	Total Wt.	Net Wt	Bkg. c/m	Total Ct.	c/m	Net c/m	gm/cm²	c/m/gm			
1	5-7 34	11.5387	15.0616	3.5229	39.2	483 (10)	48.3	9.1	.255	2.58	2.42 x 10^-5	.276	8.77 x 10^-5
21	5-7 34	13.1268	16.5720	3.4452	43.1	472 (10)	47.2	4.1	.250	1.19	1.15 x 10^-5	.280	4.11 x 10^-5
6	5-8 35	11.9049	15.5494	3.6445	40.5	554 (10)	55.4	14.9	.264	4.088	3.87 x 10^-5	.270	1.433 x 10^-4
12	35	11.4886	15.0455	3.5569	36	527 (10)	52.7	16.7	.258	4.700	4.50 x 10^-5	.272	1.63 x 10^-4
14	5-8 36	12.0100	16.1335	3.5230	48.2	1495 (10)	149.5	101.3	.255	28.75	2.72 x 10^-4	.276	9.85 x 10^-4
202	5-8 36	11.2146	14.7704	3.5558	41.8	1533 (10)	153.3	113.5	.258	31.91	3.02 x 10^-4	.272	1.11 x 10^-3
9	37	12.2071	16.3072	4.1021	29.8	1759 (10)	175.9	146.1	.297	35.4	3.40 x 10^-4	.251	1.36 x 10^-3
18	37	13.0268	17.3060	4.2792	40.4	1610 (10)	161.0	120.6	.310	28.18	2.723 x 10^-4	.247	1.102 x 10^-3
554	38	11.0036	14.6950	3.6914	37.8	492 (10)	49.2	11.4	.267	3.1	3.0 x 10^-5	.267	1.12 x 10^-4
610	38	10.3832	13.6667	3.2835	38.7	448 (10)	44.8	6.1	.238	1.9	1.84 x 10^-5	.286	6.43 x 10^-5
533	39	12.0264	16.1068	4.0804	35.6	1118 (10)	111.8	76.2	.276	18.66	1.80 x 10^-4	.252	7.14 x 10^-4
473	39	11.4456	15.1720	3.7264	36.4	1024 (10)	102.4	66.0	.270	17.71	1.71 x 10^-4	.267	6.40 x 10^-4
611	5-8 [illegible]	12.4870	17.2478	4.7588	40.6	5738 (10)	573.8	533.2	.345	112.04	1.06 x 10^-3	.233	4.55 x 10^-3
4	5-8 [illegible]	13.4884	19.0540	5.5656	30.6	5682 (10)	568.2	537.6	.403	96.59	9.116 x 10^-4	.212	4.31 x 10^-3
539	[illegible]	11.0174	16.0276	4.9302	42	483 (10)	48.3	6.3	.357	1.28	1.24 x 10^-5	.227	5.46 x 10^-5
376	41	10.7084	15.1184	4.41	40	554 (10)	55.4	15.4	.320	3.49	3.37 x 10^-5	.242	1.39 x 10^-4
35	[illegible]	11.8688	15.6445	3.7757	38.8	430 (10)	43.0	4.2	.274	1.11	1.07 x 10^-5	.263	4.06 x 10^-5
725	[illegible]	11.8982	15.0722	3.1790	33.2	358 (10)	35.8	5.6	.230	1.76	1.7 x 10^-5	.290	5.86 x 10^-5
540	5-8 43	11.2134	14.4247	3.2193	33.8	420 (10)	42.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	5-8 43	[illegible]	15.7686	3.7101	42.5	412 (10)	41.2	0	.268	0	0	[illegible]	

Source C #49 14067 c/5min → 4.687 G.F → 1.04 x 10^5 → .961 x 10^-5

Obs Marie Willis

Source C #49 14062 c/min → 4.687 ... → 1.04 x10^5 → .961 x10^-5

Obs Marie Willis

Dish	Sample	Dish Wt	total Wt	Net Wt	B.G.	Total Ct	C/m	net c/m	gm/cm²	c/m/gm			
610	M 24	10.5832	14.0665	3.6833	37	1862 (10)	186.2	149.2	.267	40.5	3.89 x10^-4	.267	1.457 x10^-3
10	M 24	11.8163	15.0735	3.2572	38	1969 (10)	196.9	158.9	.236	48.78	4.69 x10^-4	.290	1.617 x10^-3
19	M 44	13.0559	17.0660	4.0101	40.5	1206 (10)	120.6	80.1	.291	19.97	1.92 x10^-4	.255	7.529 x10^-4
2	M 44	11.6332	15.7835	4.1503	45	1082 (10)	108.2	63.2	.301	15.23	1.46 x10^-4	.251	5.82 x10^-4
586	A	11.9005	15.3865	3.4860	39.8	517 (10)	517	9.15	.253	2.62	2.52 x10^-5	.277	9.097 x10^-5
554	A	11.0036	15.0380	4.0344	41	515 (10)	51.5	10.5	.292	2.5	2.50 x10^-5	.255	9.8 x10^-5
549	B	10.3686	13.7557	3.3871	38.2	412 (10)	412	3.0	.245	0			
521	B	11.1263	14.0768	2.9505	39	39.4 (10)	39.4	.4	.214	0			
18	C	13.0268	17.3679	4.3411	43	748 (10)	74.8	31.8	.315	7.33	7.04 x10^-5	.245	2.87 x10^-4
591	C	10.9733	15.0310	4.0577	38	790 (10)	79.0	41.0	.294	10.1	9.7 x10^-5	.255	3.80 x10^-4
21	D	13.1268	16.9183	3.7915	46	580 (10)	58.0	12.0	.275	3.16	3.04 x10^-5	.263	1.16 x10^-4
22	D	11.7234	15.6096	3.8862	35.8	522 (10)	52.2	16.4	.282	4.22	4.06 x10^-5	.260	1.56 x10^-4
442	E	12.0822	16.1034	4.0212	37.2	371 (10)	37.1	0	.291				
27	E	12.2212	17.1188	4.8976	44.2	441 (10)	44.1	0	.355				

Source C 14031, 14264, 14460, 14148

Sample collected 5/9-10-11

Obs. Marie Willis
A.T. Greenwood

Dil	Sample	Zero cnt.	Total cnt	Net cnt.	B.G.	Total counts	C/M	Net C/M.	gm/cm²	C/M/gm	% C/gm	Conc	uc/gm
5	8	11.7734	15.7310	3.9576	36.6	3641 (10)	364.1	327.5	.287	82.8	2.90×10^{-4}	.257	3.07×10^{-3}
4	10	13.4884	19.8310	4.3426	37.8	6058 (10)	605.8	568	.315	130.8	1.47×10^{-3}	.245	5.09×10^{-3}
5	11	11.8911	14.8357	2.9446	38.2	12.936 (2)	6389.5	6351.3	.213	2156.9	2.05×10^{-2}	.307	6.68×10^{-2}
20	9	11.4886	15.9376	4.4490	43.8	11646 (4)	291.5	287.7	.322	64.6	6.14×10^{-3}	.240	2.56×10^{-2}
31	5	11.6298	12.3835	.7537	34.6	1003.3 (10)	1003.3	968.7	.055	1285.3	1.23×10^{-2}	.600	2.05×10^{-2}
6	6	11.9049	15.4836	3.5787	39.6	9554 (10)	955.6	916.0	.273	242.4	2.32×10^{-3}	.264	8.79×10^{-3}
19	34	13.0559	17.5900	4.5341	45	1189 (10)	118.9	73.9	.329	16.3	1.55×10^{-4}	.238	6.51×10^{-4}
21	P	13.1268	16.9903	3.8635	46.2	57.3 (10)	5.73	13.1	.280	3.4	3.24×10^{-5}	.261	1.24×10^{-4}
26	13	11.9863	16.1382	4.1519	37.2	5534.5 (10)	553.5	516.3	.301	124.4	1.19×10^{-3}	.250	4.76×10^{-3}
22	27	11.7234	15.1807	3.4573	29.8	744 (10)	74.6	44.8	.251	13.0	1.24×10^{-4}	.277	4.45×10^{-4}
13	R	12.0685	16.0188	3.9503	33	754 (10)	75.4	42.4	.286	10.7	1.02×10^{-4}	.257	3.97×10^{-4}
27	O	12.2212	15.1151	2.8939	37.8	11564 (9)	1284.9	1245.1	.210	430.2	4.12×10^{-3}	.307	1.34×10^{-2}
9	28	12.2071	16.2672	4.0601	39.2	4044 (15)	269.6	230.4	.294	56.7	5.41×10^{-4}	.253	2.14×10^{-3}
2	30	11.6332	16.4058	4.7726	30.2	7025 (15)	468.3	438.1	.346	91.8	8.75×10^{-4}	.23	3.78×10^{-3}
14	29	12.6105	17.1887	4.5782	41.2	4452 (15)	296.8	255.6	.332	55.8	5.32×10^{-4}	.236	2.26×10^{-3}
10	35	11.8163	17.0534	5.2371	35.2	652 (15)	43.5	8.3	.380	1.6	1.53×10^{-5}	.219	6.98×10^{-5}
11	G	13.1659	16.9356	3.7697	22.6	13616 (15)	907.7	885.1	.273	234.8	2.24×10^{-3}	.264	8.49×10^{-3}
28	22	11.6245	17.9842	6.3597	34.5	683 (10)	68.3	33.8	.461	5.3	5.06×10^{-5}	.194	2.61×10^{-4}
7	33	11.8982	17.1510	5.2528	35.2	4446 (15)	294.4	259.2	.381	49.3	4.7×10^{-4}	.218	2.16×10^{-3}
18	N	13.0268	18.1162	5.0894	43	2597 (15)	173.1	130.1	.369	25.6	2.44×10^{-4}	.223	1.09×10^{-3}
17	32	11.4456	16.2855	4.8399	36.2	3460 (15)	230.7	194.5	.351	40.2	3.84×10^{-4}	.229	1.68×10^{-3}
35	25	11.7602	16.8668	5.1066	52.2	3392 (15)	226.1	173.9	.370	34.1	3.25×10^{-4}	.223	1.46×10^{-3}

Source C - 13949

average [illegible]

G.F. = 14120 / 3000 = 4.723% = .04723

Form. C/m/gm × .9537 × 10^{-5}

A.T. Greenwood

Source c -13949 !
average same round data - see above

G.F = 14170 / 3000 = 4.723 % = .04723

Form. c/m/gm × .9537 × 10^{-5}

A.T. Freeman

5/15/45

Wich 16	Sample	Tare wt	Total wt.	Net wt gm	B.G.	Total Counts	c/m	Net c/m	gm/cm²	c/m/gm	uc/gm	corr	corr uc/gm
31	C	11.6202	14.0605	2.4403	38.2	1288 (5)	2257.6	2219.4	.177	909.5	8.67×10^{-3}	.340	2.55×10^{-2}
13	16	12.0669	15.9603	3.8934	37.8	1103 (25)	73.5	35.7	.282	9.17	8.75×10^{-5}	.259	3.38×10^{-4}
272	15	10.8946	15.2491	4.3545	37.1	344.5 (20)	172.3	135.2	.316	31.05	3.01×10^{-4}	.244	1.23×10^{-3}
25	E	11.8671	13.5527	1.6856	36.8	13041 (3)	4347.0	4310.2	.122	2557.1	2.438×10^{-2}	.412	5.92×10^{-2}
4	34	13.4858	16.7697	3.2839	36.6	732 (10)	73.2	36.6	.238	11.15	1.06×10^{-4}	.287	3.69×10^{-4}
35	14	10.5557	13.1495	2.5938	30.2	578 (10)	57.8	27.6	.188	10.64	1.02×10^{-4}	.328	3.11×10^{-4}
21	26	13.1251	18.7289	5.6038	37.2	1178 (10)	117.8	80.6	.406	14.35	1.37×10^{-4}	.212	6.46×10^{-4}
18	D	13.0284	15.6245	2.5961	39.5	10485 (8)	1310.6	1271.1	.188	489.6	4.67×10^{-3}	.328	1.42×10^{-2}
2	19	11.6335	15.4699	3.8364	35.2	589 (10)	58.9	23.7	.278	6.18	5.90×10^{-5}	.262	2.25×10^{-4}
26	B	11.9846	15.6207	3.6361	32.4	9921 (4)	2480.3	2447.9	.263	673.2	6.42×10^{-3}	.270	2.38×10^{-2}
12	E	11.4888	13.3280	1.8392	38.6	9152 (10)	915.2	876.6	.133	476.6	4.55×10^{-3}	.395	1.15×10^{-2}

Source c (5 min count) = 12844 (6/21) [illegible] 6/14 – 6/15/45: H-1 Greenwood

area = 13.8 cm²

G-F = .043

Rub	Sample	Tare wt	Total wt	Net Wt	B.G	Total Counts	c/m	net c/m	gm/cm²	c/m/gm	μc/gm	corr	corr. μc/gm
1	1 6/21	11.5333	17.1076	5.5743	49	384 (10 min)	38.4	0	.405	0	0	—	0
2	2 6/21	11.6287	16.7589	5.1302	34.5	17172 (2)	8586.	8551.5	.372	1670	7.50×10^{-2}	.222	3.38×10^{-2}
3	5 6/21	11.5435	16.6956	5.1521	34.6	10059 (7)	1437	1402.4	.373	272	2.83×10^{-3}	.222	1.27×10^{-2}
4	6 6/21	13.4818	17.1838	3.7020	46	10030 (2)	5015	4969	.268	1342	1.40×10^{-2}	.267	5.25×10^{-2}
5	7 6/21	11.8850	17.5708	5.6858	35.5	11905 (5)	2381	2345.5	.412	413	4.32×10^{-3}	.207	2.09×10^{-2}
6	9	11.9006	14.1818	2.2812	38.5	19234 (5)	3846.8	3808.	.166	1618	1.75×10^{-2}	.350	5.00×10^{-2}
7	10	11.8905	13.7462	1.8557	39.5	23200 (2)	11600.	11560	.134	6230	6.52×10^{-2}	.396	1.65×10^{-1}
8	11	11.3452	14.1538	2.8086	33.5	26312 (3)	8770.6	8737	.204	3150	3.30×10^{-2}	.312	1.06×10^{-1}
9	12	12.2023	13.4456	1.2433	37.5	23882 (2)	12941	12904	.090	10380	1.09×10^{-1}	.485	2.25×10^{-1}
10	A	11.8110	14.7398	2.9288	34.3	16475 (3)	5491.0	5457	.212	1863	1.95×10^{-2}	.305	6.39×10^{-2}
11	B	13.1605	14.8955	1.7350	27	25157 (3)	8385.	8358	.126	4820	5.05×10^{-2}	.410	1.23×10^{-1}
12	C	11.4848	13.3834	1.8986	33.5	24823 (3)	8241.	8208	.138	4330	4.54×10^{-2}	.390	1.16×10^{-1}
13	D	12.0618	13.8250.	1.7632	40.3	6747 (5)	1349.4	1309	.128	743	7.78×10^{-3}	.402	1.94×10^{-2}
14	E	12.6058	13.5689	.9631	34	2491 (5)	498.2	464	.070	482	5.05×10^{-3}	.540	9.31×10^{-3}
15	F	11.7683	13.8189	2.0506	40	25193 (3)	8397.	8357	.149	4080	4.28×10^{-2}	.374	1.15×10^{-1}
16	G	11.6398	14.0477	2.4079	31.5	11719 (5)	2343.8	2312	.175	955	1.00×10^{-2}	.342	2.92×10^{-2}
17	13	11.4395	14.4878	3.0483	39.5	16182 (3)	5394.	5354	.221	1758	1.83×10^{-2}	.298	6.15×10^{-2}
18	N	13.0236	16.6531	3.6295	33.5	3168 (10)	316.8	283	.263	78	8.17×10^{-4}	.267	3.06×10^{-3}
19	O	13.0487	14.8728	1.8241	35.5	2970 (5)	594.0	559	.132	306	3.20×10^{-3}	.400	8.00×10^{-3}
20	P	12.8204	15.6973	2.8769	37.5	8871 (5)	1774.2	1737	.208	605	6.34×10^{-3}	.308	2.06×10^{-2}

c/m/gm × 1.047×10^{-5} → μc/gm

$c/m/gm \times 1.047 \times 10^{-5} \rightarrow \mu c/gm$

Dish	Sample	Tare Wt.	Total Wt.	Net Wt.	B.G.	Total Counts		c/m	net c/m	gm/cm²	c/m/gm	uc/gm	corr	corr uc/gm.
21	R	13.1219	15.4085	2.2866	39.5	6406	(5)	1281.2	1241	.166	543	5.69×10^{-3}	.352	1.61×10^{-2}
22	14	11.7191	15.4471	3.7280	39	5302	(5)	1060.4	1021	.270	274	2.87×10^{-3}	.266	1.08×10^{-2}
23	15	11.6734	14.5963	2.9229	42	5554	(5)	1110.8	1068	.212	364	3.82×10^{-3}	.308	1.24×10^{-2}
24	16	11.2379	13.2885	2.0506	38	1784	(5)	356.8	321	.149	157	1.65×10^{-3}	.370	4.46×10^{-3}
25	18	11.8627	15.5000	3.6373	39.5	1721	(5)	344.2	304	.264	84	8.80×10^{-4}	.268	3.28×10^{-3}
26	19	11.9793	14.2057	2.2264	35	5056	(10)	505.6	470	.161	216	2.26×10^{-3}	.356	6.35×10^{-3}
27	22	12.2190	15.0311	2.8121	35	1024	(10)	102.4	67	.202	24	2.51×10^{-4}	.315	7.95×10^{-4}
28	24	11.6206	15.7795	4.1589	35.8	1458	(10)	145.8	110	.302	26	2.72×10^{-4}	.250	1.09×10^{-3}
29	25	11.7353	14.5436	2.8083	38	1815	(10)	181.5	143	.202	51	5.34×10^{-4}	.315	1.69×10^{-3}
30	26	12.0221	17.9986	5.9765	38	2609	(10)	260.9	223	.403	97	3.88×10^{-4}	.203	1.91×10^{-3}
31	27	11.6170	16.4392	4.8222	33	5144	(10)	514.4	481	.350	100	1.05×10^{-3}	.228	4.61×10^{-3}
32	28	10.5523	14.3245	3.7722	37	2720	(10)	272.0	235	.274	62	6.49×10^{-4}	.264	2.46×10^{-3}
33	29	12.0236	15.7356	3.7120	44.6	1779	(10)	177.9	131	.269	35	3.67×10^{-4}	.267	1.37×10^{-3}
1	30	11.5333	15.8030	4.2697	38.3	3768	(10)	376.8	339	.310	79	8.25×10^{-4}	.246	3.42×10^{-3}
2	32	11.6287	15.5444	4.9157	43	1218	(10)	121.8	79	.356	16	1.68×10^{-4}	.227	7.40×10^{-4}
3	33	11.5435	16.7941	5.2506	34.7	3008	(10)	300.8	266	.380	51	5.34×10^{-4}	.218	2.45×10^{-3}
39	34	13.5507	17.1037	3.5530	35.5	650	(10)	65.0	30	.257	8	8.38×10^{-5}	.275	3.01×10^{-4}
272	35	10.8912	12.8862	1.9950	32	972	(10)	97.2	65	.145	33	3.46×10^{-4}	.378	9.15×10^{-4}

Source C (5 min - count)
G-F = .0407

12115 7/23/45
12204 "
12255 7/24

Samples collected
7/19 - 7/20/45
Samples counted

Scalar #49

28

Dish	Sample	Tare wt	Total wt.	net wgt	B.G.	Total Counts	c/m	net c/m	gm/cm²	c/m/gm	μc/gm	corr	corr μc/gm
1	1	11.5311	15.2738		41								
2	2	11.6266	16.0262		38								
3	5	11.3488	17.5414		39.6	12476 (4 min)	3119						
4	6	10.5587	13.7992		36.7	12162 (2 min)	6081						
5	7	11.8837	16.1188		38								
6	9	11.8988	15.8782		41								
7	10	11.8907	13.4828		42								
8	11	11.2468	16.6293		37	20284 (2 min)	10142						
9	12	12.2017	14.3306		40.5								
10	A	11.8106	16.0741		36.5								
11	24	12.0618			40.7								
12	C	11.4833	14.3423		37	13652 2 min	6826						
13	D	12.0618	14.5777		42	15676 10 min	1567.6						
14	E	12.6057	14.5788		37								
15	F	11.7672	14.6366		41	22476 (2 min)	11238						
16	G	11.5523	13.8898		46	10623 10 min	1062.3						
17	13	11.4393	15.3985		42	2150 10 min	215						

See page 32 33 ATG

μc/gm = c/m/gm × 1.109 × 10⁻⁵

$\mu c/gm = c/m/gm \times 1.109 \times 10^{-5}$

Dish	Sample	Tare Wt.	Total Wt.	Net wt	B.G	Total Counts	c/m	net c/m	gm/cm²	c/m/gm	μc/gm	corr.	corr μc/gm
18	N	11.5523 ~~13.0220~~			43.6								
19	25	13.0486			54								
20	P	12.8200	15.7563		39.5	7249 (10 min)	724.9						
21		13.1210			43								
22	14	11.7184	17.0097		41.5	4965 (10 min)	496.5						
23	15	11.6734	14.4240		43	7181 (10 min)	718.1						
24	16	12.0328	16.3493		38	3853 (10 min)	385.3						
25	18	11.8619	14.7119		41								
26	19	11.9796	14.9954		39								
4	B	10.5587 ~~[illegible]~~			33.3								
~~26~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~
28	29	11.6204 ~~[illegible]~~			42.7								
11	22	13.1598 ~~[illegible]~~			34.6								
[illegible]	E	11.4833 ~~11.6167~~			34.3								
14	27	12.6057 ~~13.5626~~			47.6								
20	R	12.8200			53.6								
14	30	13.0486	17.0626		32.7	4459 (15 min)	297.3						
39	31	13.5626	19.3634	5.8008	38	681 (15 min)	68.1	30.1					
28	32	11.6204	16.0768		40.3	5509 (20 min)	275.5						
11	33	13.1598	16.8887		38.4	940 (10 min)	94	55.6					
40	34	11.6499	15.4082	3.7593	41.7	646 (15 min)	43.1	1.4	.272	.373	$.413 \times 10^{-5}$	.265	1.56×10^{-5}
272	35	10.8915	16.1208	5.2293	39.7	704 (15 min)	46.9	7.2	.379	1.38	1.53×10^{-5}	.220	6.95×10^{-5}
15	28	11.7622			44.3								
17	O	11.4393			34.6								
22	26	11.2154			46.6								

See page 32-3 ATG

Source C (5 min-ct) - 12204 12255 7/24

G-F = .0407

Samples collected 7/19 - 7/20/45

Scalar #49

Area dish = 13.8 cm²

32

Dish	Sample	Tare Wt	Total Wt	Net Wt	B.G.	Tot-Counts	c/m	net c/m	gm/cm²	c/m/gm	μc/gm	corr	corr μc/gm
1	1	11.5311	15.2738	3.7427	41	445 (10 min)	44.5	3.5	.271	.935	1.035×10^{-5}	.265	3.91×10^{-5}
2	2	11.6266	16.0262	4.3996	38	41,730 (1 min)	41,730	41,692	.319	9480	1.05×10^{-1}	.233	4.5×10^{-1}
3	5	11.3488	17.5414	6.1926	39.6	12476 (4 min)	3119	3074.4	.449	497	5.51×10^{-3}	.198	2.79×10^{-2}
4	6	10.5587	13.7972	3.2385	36.7	12162 (2 min)	6081	6044.3	.234	1868	2.07×10^{-2}	.288	7.19×10^{-2}
5	7	11.8837	16.1188	4.2351	38	11,818 (2 min)	5909	5871	.306	1390	1.54×10^{-2}	.247	6.24×10^{-2}
6	9	11.8988	15.8782	3.9794	41	16,384 (3 min)	5461.3	5420.3	.288	1363	1.51×10^{-2}	.256	5.90×10^{-2}
7	10	11.8907	13.4828	1.5921	42	11602 (1 min)	11602	11560	.115	7260	8.05×10^{-2}	.425	1.89×10^{-1}
8	11	11.2468	16.6293	5.3825	37	20284 (2 min)	10142	10105	.390	1880	2.08×10^{-2}	.216	9.62×10^{-2}
9	12	12.2017	14.3306	2.1289	40.5	14,891 (2 min)	7,445.5	7405	.154	3480	3.86×10^{-2}	.362	1.07×10^{-1}
10	A	11.8106	16.0741	4.2635	36.5	8,906 (10 min)	890.6	854.1	.310	200.2	2.22×10^{-3}	.246	9.03×10^{-3}
4	B	10.5587	13.8629	3.3042	33.3	14828 (3 min)	4942.7	4909.4	.240	1486	1.65×10^{-2}	.285	5.79×10^{-2}
12	C	11.4833	14.3423	2.8590	37	13652 (2 min)	6826	6789	.207	2372	2.63×10^{-2}	.310	8.49×10^{-2}
13	D	12.0618	14.5777	2.5159	42	15676 (10 min)	1567.6	1525.6	.182	607	6.73×10^{-3}	.333	2.02×10^{-2}
12	E	11.4833	14.1014	2.6181	34.3	8251 (10 min)	825.1	790.8	.190	303	3.36×10^{-3}	.326	1.03×10^{-2}
15	F	11.7672	14.6366	2.8694	41	22476 (2 min)	11238	11197	.208	3900	4.32×10^{-2}	.309	1.40×10^{-1}
16	G	11.5523	13.8898	2.3375	46	10623 (10 min)	1062.3	1016.3	.169	435.0	4.81×10^{-3}	.350	1.38×10^{-2}
17	13	11.4393	15.3985	3.9592	42	2150 (10 min)	215	173	.287	43.7	4.85×10^{-4}	.257	1.89×10^{-3}
16	N	11.5523	16.3369	4.7846	43.6	2644 (10 min)	264.4	220.8	.346	46.6	5.11×10^{-4}	.231	2.21×10^{-3}
17	O	11.4393	13.9505	2.5112	34.6	7226 (10 min)	722.6	688	.182	270.6	3.0×10^{-3}	.333	9.01×10^{-3}
20	P	12.8200	15.7563	2.9363	39.5	7249 (10 min)	724.9	685.4	.212	233.9	2.59×10^{-3}	.305	8.50×10^{-3}

μc/gm = c/m/gm × 1.109 × 10^{-5}

$\mu c/gm = c/m/gm \times 1.109 \times 10^{-5}$

Dish	Sample	Tare wt	Total wt	Net wt	B.G.	Tot. counts	c/m	net c/m	gm/cm²	c/m/gm	μc/gm	corr	corr μc/gm
20	13	12.8200	16.6176	3.7976	53.6	12866 (10 min)	1286.6	1233	.275	32.5	3.60×10^{-3}	.263	1.37×10^{-2}
22	14	11.7184	17.0097	5.2913	41.5	4965 (10 min)	496.5	455	.384	86.0	9.54×10^{-4}	.217	4.40×10^{-3}
23	15	11.6734	14.4240	2.7503	43	7181 (10 min)	718.1	675.1	.199	245.9	2.72×10^{-3}	.319	8.53×10^{-3}
24	16	12.0328	16.3493	4.3165	38	3853 (10 min)	385.3	347.3	.313	80.5	8.92×10^{-4}	.244	3.66×10^{-3}
25	18	11.8619	14.7119	2.8500	41	2990 (10 min)	299	258	.206	90.5	1.002×10^{-3}	.310	3.23×10^{-3}
26	19	11.9796	14.9954	3.0158	39	4322 (10 min)	432.2	393.2	.218	130.3	1.445×10^{-3}	.302	4.79×10^{-3}
11	22	13.1598	18.6223	5.4625	34.6	6118 (10 min)	611.8	577.2	.396	105.6	1.17×10^{-3}	.214	5.46×10^{-3}
13	24	12.0618	17.8455	5.7837	40.7	6372 (10 min)	579.3	538.6	.419	93.2	1.034×10^{-3}	.207	5.0×10^{-3}
19	25	13.0486	17.8639	4.8153	54	2669 (10 min)	266.9	212.9	.349	44.2	4.90×10^{-4}	.230	2.13×10^{-3}
22	26	11.7184	16.9707	5.2523	46.6	2420 (10 min)	242	195.4	.381	37.2	4.12×10^{-4}	.218	1.89×10^{-3}
14	27	12.6057	19.0148	6.4091	47.6	6341 (11 min)	576.5	528.9	.465	82.4	9.13×10^{-4}	.193	4.73×10^{-3}
15	28	11.7672	17.5245	5.7573	44.3	4226 (11 min)	384.2	339.9	.418	58.9	6.52×10^{-4}	.207	3.15×10^{-3}
28	29	11.6204	17.7423	6.1219	42.7	4139 (10 min)	413.9	371.2	.444	60.6	6.73×10^{-4}	.199	3.38×10^{-3}
19	30	13.0486	17.0626	4.0140	32.7	4459 (15 min)	297.3	264.6	.291	65.9	7.30×10^{-4}	.255	2.86×10^{-3}
39	31	13.5626	19.3634	5.8008	38	681 (10 min)	68.1	30.1	.421	5.19	5.75×10^{-4}	.206	2.79×10^{-3}
28	32	11.6204	16.0768	4.4564	40.3	5509 (20 min)	275.5	235.2	.323	52.7	5.85×10^{-4}	.299	2.45×10^{-3}
11	33	13.1598	16.8887	3.7289	38.4	940 (10 min)	94	55.6	.270	14.9	1.65×10^{-4}	.266	6.20×10^{-4}
40	34	11.6499	15.4092	3.7593	41.7	646 (15 min)	43.1	1.4	.272	.373	$.413 \times 10^{-5}$	.265	1.56×10^{-5}
27.2	35	10.8915	16.1208	5.2293	39.7	704 (15 min)	46.9	7.2	.379	1.38	1.53×10^{-5}	.220	6.95×10^{-5}
3	2+	11.3488	13.9967	2.6479	42.6	43358 (1 min)	43358	43315	.192	16358	1.812×10^{-1}	.324	5.60×10^{-1}
19	2+	13.0486	13.9015	.8529	44.3	39,435 (1 min)	39435	39391	.0618	45600	5.11×10^{-1}	.570	8.98×10^{-1}
20	2+	12.8200	17.3120	4.4920	36.7	18,544 (1 min)	18544	18507	.325	4125	4.57×10^{-2}	.240	1.90×10^{-1}

+ second sample taken because of larger count in first

Source "C" 8810 3 min. (8-21) 7823 " (8-22) 8072 " (8-24) K-016 G.F. .04135 .0448

Samples Collected 8/17-18-20

N.R. Chop scaler #49 area disk 17.8 cm²

DISH	SAMPLE	TARE WT.	TOTAL WT.	NET WT.	B.G.	TOT. COUNTS	C/m	NET C/m	gm/cm²	c/m/cm	Mc/gm	cosr.	corr. Mc/gm
13	1	12.0618	13.3532	1.2914	54	422	42.2	0	.0936	0	0		
4	2	10.5587	14.8215	4.2628	52.5	22306	5576.5	5524.2	.3090	1298	1.305×10^{-2}	.246	5.31×10^{-2}
15	5	11.7672	13.0645	1.2973	46	18270	6090.0	6050.0	.0940	4663	4.69×10^{-2}	.474	9.90×10^{-2}
11	6	13.1598	14.3541	1.1943	45	12225	3056.2	3011.2	.0866	2520	2.535×10^{-2}	.495	5.12×10^{-2}
14	7	12.6057	13.7827	1.1770	49.6	23853	7951	7901.4	.0853	6715	6.75×10^{-2}	.497	1.36×10^{-1}
10	9	11.8106	13.0290	1.2184	42.3	3981	398.1	355.8	.0882	292.1	2.92×10^{-3}	.485	6.02×10^{-3}
18	10	13.0253	14.7116	1.6863	47	10690	1781.7	1734.7	.1221	1029	1.033×10^{-2}	.413	2.50×10^{-2}
28	11	11.6204	12.7422	1.1218	49.5	10666	1523.7	1474.2	.0813	1313	1.32×10^{-2}	.505	2.62×10^{-2}
12	B	11.4833	12.8847	1.4014	36.6	11328	2840.7	2804.1	.1015	2001	2.10×10^{-2}	.454	4.63×10^{-2}
5	C	11.8837	12.6923	0.8086	47.3	11747	1443.4	1396.1	.0586	1727	1.735×10^{-2}	.59	2.93×10^{-2}
2	D	11.6266	12.5216	0.8950	47.6	10890	1089	1041.4	.0649	1165	1.205×10^{-2}	.560	2.15×10^{-2}
21	E	13.1210	13.9127	0.7917	49.6	3810	381	331.4	.0574	238.5	2.475×10^{-3}	.598	4.14×10^{-3}
39	F	13.5626	14.6365	1.0739	53.6	11851	3952.3	3894.7	.0779	3622	3.75×10^{-3}	.517	7.26×10^{-3}
19	G	13.0486	14.0510	1.0024	56	8976	897.6	841.6	.0727	839	8.68×10^{-3}	.520	1.64×10^{-2}
22	13	11.7184	14.5087	2.7903	47	10821	2205.2	2658.2	.2071	952	9.85×10^{-3}	.313	3.15×10^{-2}
30	N	12.0221	12.3572	0.3351	41	1869	186.9	145.9	.0244	435	4.50×10^{-3}	.780	5.77×10^{-3}
1	O	11.5311	12.4225	0.8914	49	3850	325	276.0	.0646	309.5	3.205×10^{-3}	.562	5.69×10^{-3}
29	P	12.2181	12.8841	0.6660	57	3225	322.5	265.5	.0483	398	4.12×10^{-3}	.630	6.53×10^{-3}
31	R	11.6144	12.7932	1.1821	43.3	6630	663	619.7	.0858	524	5.42×10^{-3}	.494	1.10×10^{-2}
26	14	11.9296	13.6515	1.7319	46.3	6132	613.2	566.9	.1255	325.5	3.37×10^{-3}	.41	8.20×10^{-3}

		11.7679				70.3	6132	613.2	3667	.1255	329.5	3.37x10	7.4	1.8	8.20x10

BIER	SAMPLE	TARE WT.	TOTAL WT.	NET WT.	S.G.	TOT COUNT	C/M	NET C/M	CM/CM²	C/M/CM	g/cm	COUNT	CMR. g/cm
7	15	11.8907	12.8443	0.9536	53.3	4278	427.8	374.3	.0691	393	4.07x10⁻³	.540	7.53x10⁻³
29	16	11.7345	13.8166	2.0821	55.	4133	413.3	378.3	.1510	181.8	1.88x10⁻³	.320	5.87x10⁻³
20	17	12.8200	14.5028	1.6828	50.	3312	331.2	281.2	.1220	167	1.73x10⁻³	.412	4.20x10⁻³
23	19	11.6734	13.3590	1.6866	54	3092	309.2	255.2	.1221	151.2	1.566x10⁻³	.412	3.81x10⁻³
25	22	11.8419	14.5239	2.6820	47	4670	461	414.0	.1930	155.2	1.608x10⁻³	.325	4.94x10⁻³
6	23	11.8988	14.1890	2.2908	47	2344	234.4	187.4	.1660	81.8	8.22x10⁻⁴	.351	2.34x10⁻³
2b	25	11.6499	13.0047	1.3548	52	2506	250.6	198.6	.0982	146.7	.473x10⁻³	.463	3.18x10⁻³
22	26	10.8915	11.9843	1.0928	34	1441	144.1	110.1	.0792	100.8	1.012x10⁻³	.517	1.92x10⁻³
17	27	11.4393	12.3668	0.9275	38	1448	144.8	106.8	.0672	115	1.155x10⁻³	.530	2.18x10⁻³
B	28	11.2405	12.9629	1.7224	38	3247	324.7	236.1	.1249	137.1	1.38x10⁻³	.411	3.36x10⁻³
16	29	11.5548	12.6743	1.1195	32	3428	342.8	310.8	.0811	278	2.79x10⁻³	.503	5.59x10⁻³
A	30	12.0266	13.2749	1.2483	52	3264	326.4	272.4	.0904	218.2	2.195x10⁻³	.483	4.55x10⁻³
9	32	12.2050	13.2088	1.0038	50	938	93.8	43.8	.0728	43.6	4.38x10⁻⁴	.536	8.17x10⁻⁴
8	33	11.5490	12.0488	0.6998	40	529	52.9	12.9	.0507	185	1.86x10⁻⁴	.620	3.0x10⁻⁴
E	34	11.2779	12.8112	1.0333	39	490	49.0	10.0	.0749	9.96	9.0x10⁻⁵	.524	1.91x10⁻⁴
F	35	11.3685	13.1080	1.7395	37.3	403	40.3	3.0	0.1260	1.727	1.736x10⁻⁵	.395	4.39x10⁻⁵

10-1-45
7940
(10-2-45) 7757

Source c 2nd shelf (9-28-45 (7765) 3 mos.) ~~9-28-45 (7865)~~ ~~9-29-45 (7895)~~ 9-29-45 - 7827

Samples collected 9/28, 29, 29/45

2nd shelf

Sample = 49 area dist 13.8 cm

G.F. .0432

3 Count

Dish	Sample	Tare wt.	Total wt.	Net wt.	B.G.	Total Cond	c/m	Net c/m	gm/cm²	gm/cm	mc/gm	Corr.	Corr. mc/gm
13	30	12.0618	13.6659	1.6041	41.3	~~296~~	~~29.6~~	0	.1169	0	0		
4	33	10.5387	11.7516	1.1929	41.3	696	69.6	28.3	.0864	23.72	2.47×10^{-3}	.490	5.05×10^{-3}
15	34	11.7672	13.4527	1.6855	41.2	340 ~~972~~	3.4 ~~97.2~~	0 ~~29.8~~	.1219	0	0		
11	N	13.1598	14.7893	1.6295	33	448	44.8	11.8	.1179	7.24	7.54×10^{-5}	.425	1.78×10^{-4}
14	22	12.6057	14.9499	2.3442	44.2	982	98.2	54.0	.1690	23.04	2.30×10^{-4}	.348	6.62×10^{-4}
10	14	11.8106	13.8458	2.0352	28	2990	299	271	.1454	1.331	1.39×10^{-5}	.372	3.74×10^{-5}
18	D	13.0253	14.4667	1.4414	28.2	2783	278.3	250.1	.1043	1.735	1.81×10^{-5}	.445	4.07×10^{-5}
28	32	11.6204	13.5017	1.8813	9-29-45 33.5	1383 ~~1370~~	138 ~~137~~	94.7	.1363	5.033	5.24×10^{-5}	.350	1.22×10^{-4}
12	35	11.4833	13.6219	2.1386	31.3	324	32.4	1.1	.1541	.514	5.36×10^{-6}	.366	1.47×10^{-5}
5	19	11.8837	13.3887	1.5050	45.6	3241	324.1	278.5	.1089	185.1	1.93×10^{-3}	.440	4.40×10^{-3}
2	28	11.6266	13.5051	1.8785	28.3	3719 ~~3427~~	372 ~~342.7~~	343.7	.1357	182.9	1.91×10^{-3}	.394	4.85×10^{-3}
21	R	13.1210	13.6313	0.5103	34.6	2632	263.2	228.6	.0370	447.9	4.67×10^{-3}	.705	6.63×10^{-3}
39	9	13.5626	15.1408	1.5782	33.2	3950 ~~3621~~	395 ~~362.1~~	361.8	.1139	229.2	2.39×10^{-3}	.430	5.06×10^{-3}
19	1	13.0486	14.8129	1.7643	37.0	320 ~~296~~	320 ~~29.6~~	0	.1278	0	0		
22	29	11.7184	13.8762	2.1578	37	1592	159.2	122.2	.1554	56.8	5.92×10^{-4}	.366	1.62×10^{-3}
30	5	12.0221	14.5158	2.4937	32.3	2062	206.2	163.9	.1809	65.7	6.85×10^{-4}	.332	2.06×10^{-3}
1	P	11.5311	13.2558	1.7247	33.3	928 ~~911~~	92.8 ~~91.1~~	57.5	.1258	34.5	3.59×10^{-4}	.411	8.85×10^{-4}
27	11	12.2181	14.5934	2.3753	30.6	11104 ⑥ ~~10,800~~	1851 ~~1080~~	1821.4 ~~1548~~	.1715	766.9	7.99×10^{-3}	.345	2.32×10^{-2}

21	11	12.2181	14.5934	2.3753	30.6	10,800	1851	1821.4	.1715	766.9	7.99×10^{-3}	.345	2.32×10^{-2}

dish	Sample	Tare wt.	Total wt.	Net wt.	B.G.	Tot. Cm.	C/m	Net C/m	Gm/cm²	C/m/Gm	rc C/Gm	Corr.	Corr. in C/Gm
31	16	11.6161	13.1137	1.4976	29	2511	251.1	222.1	.1081	148.5	1.55×10^{-3}	.440	3.53×10^{-3}
26	25	11.9296	13.0162	1.0866	32.6	676	67.6	35.0	.0844	32.21	3.36×10^{-4}	.550	6.10×10^{-4}
7	6	11.8907	14.9535	3.0628	33.4	3 min. 13830	4610	4576.6	.2219	1491	1.55×10^{-2}	.296	5.25×10^{-2}
29	O	11.7345	12.8888	1.1543	38	2168	216.8	178.8	.0835	154.6	1.61×10^{-3}	.500	3.22×10^{-3}
20	C	12.8200	15.3595	2.5395	32.6	8391	839.1	806.5	.1838	319.1	3.33×10^{-3}	.333	1.00×10^{-2}
23	10	11.6734	13.4074	1.7340	33	3 min. 14274	4758	4725	.1252	2727	2.84×10^{-2}	.410	6.92×10^{-2}
25	G	11.8619	13.2222	1.3603	36.6	5089	508.9	472.3	.0986	347	3.62×10^{-3}	.462	7.84×10^{-3}
6	26	11.8988	12.7884	0.8896	46	986	98.6	52.6	.0646	59.14	6.16×10^{-4}	.560	1.10×10^{-3}
40	27	11.6499	13.8130	2.1631	34	1337	133.7	[illegible]	.1565	46.7	4.80×10^{-4}	.365	1.32×10^{-3}
272	E	10.8915	11.8031	0.9116	35	3790	379	344	.0660	377	3.93×10^{-3}	.555	7.15×10^{-3}
17	24	11.4393	14.2285	2.7892	34	487	48.7	14.7	.2080	5.29	5.51×10^{-5}	.311	1.77×10^{-4}
B	15	11.2405	12.9093	1.6688	30.6	5162	516.2	485.6	.1203	291	3.03×10^{-3}	.416	7.30×10^{-3}
16	17	11.5548	13.1588	1.6040	30	1163	116.3	86.3	.1160	53.9	5.62×10^{-4}	.428	1.31×10^{-3}
A	2	12.0266	15.5175	3.4909	32.3	2 min. 12256	6128	580.5	.2528	1661	1.73×10^{-3}	.275	6.30×10^{-3}
9	13	12.3054	13.2302	0.9248	34.3	4 min. 11241	2810.2	2775.9	.0669	2940	3.06×10^{-2}	.555	5.52×10^{-2}
E	7	11.3498	13.8403	2.4905	32	2 min. 12652	6326	6284	.1801	2522	2.63×10^{-2}	.337	7.80×10^{-2}
F	F	13.5176	14.5894	1.0718	57	2383	238.3	181.2	.0776	169.2	1.76×10^{-3}	.523	3.36×10^{-3}

11-1-45 Source "C" 7500 3 min.
11-2-45 " 7664 3 min.
11-5-45 Source "C" 7960 3 min.

Sample collected 10-28-45
10-29-45

HR Craft
Scalar #49

G.F. .0432

38

Dish	Sam	TARE wt.	Total wt.	Net wt.	R.G.	Total counts	c/m	net c/m	gm/cm²	c/m/gm	mc/gm	corr	corr mc/gm
13	34	12.0018	13.4236	1.3618	28.3	294	29.4	1.1	.098	.807	.843 x 10⁻⁵	.465	1.81 x 10⁻⁵
4	22	10.5587	11.6924	1.1337	30.1	364	36.4	6.3	.082	5.6	5.85 x 10⁻⁵	.500	1.17 x 10⁻⁴
15	R	11.7672	12.8324	1.0652	35.2	4040	404.0	368.8	.077	346	3.62 x 10⁻³	.520	6.96 x 10⁻³
11	D	13.1598	14.1592	.9994	30.1	13328	1332.8	1302.7	.0724	1302	1.32 x 10⁻²	.535	2.52 x 10⁻²
14	N	12.6057	13.6985	1.0928	40.2	506	50.6	10.4	.079	9.52	9.95 x 10⁻⁵	.518	1.92 x 10⁻⁴
10	35	11.8106	12.4112	.6006	27.5	362	36.2	8.7	.0435	14.5	1.51 x 10⁻⁴	.650	2.32 x 10⁻⁴
18	14	13.0253	14.1568	1.1315	26.2	4025	402.5	376.3	.082	33	3.47 x 10⁻³	.500	6.95 x 10⁻³
28	P	11.6204	13.7241	2.1037	25.2	6289	628.9	603.7	.152	286.3	2.99 x 10⁻³	.370	8.10 x 10⁻³
12	11	11.4833	12.9112	1.4279	30.4	6 min. 11135	1855.8	1825.4	.103	1280	1.34 x 10⁻²	.450	2.98 x 10⁻²
5	1	11.6837	12.3462	.4625	40.2	420	420	1.8	.033	3.89	3.96 x 10⁻⁵	.710	5.58 x 10⁻⁵
2	28	11.6266	13.1414	1.5148	26.4	1589	158.9	132.5	.109	87.5	9.13 x 10⁻⁴	.440	2.08 x 10⁻³
21	0	13.1210	14.1916	1.0706	30.4	3616	361.6	331.2	.0775	30.9	3.22 x 10⁻⁴	.520	6.20 x 10⁻⁴
39	15	13.5626	14.6824	1.1198	32.4	2963	296.3	263.9	.080	235.8	2.46 x 10⁻³	.510	4.82 x 10⁻³
19	24	13.0486	14.4682	1.4196	28.5	447	44.7	1.62	.102	1.14	1.19 x 10⁻⁵	.450	2.64 x 10⁻⁵
22	30	11.7184	12.4817	.7633	30.4	1002	100.2	69.8	.055	91.6	9.56 x 10⁻⁴	.600	1.59 x 10⁻³
30	18	12.0221	13.1296	1.1075	30.4	1252	125.2	9.51	.080	8.61	8.99 x 10⁻⁵	.510	1.76 x 10⁻⁴

				NT. WT.								Cover	
1	E	11.5311	13.1146	1.5835	28.5	3700	370.0	348.	.115	220	2.24×10^{-3}	.425	5.27×10^{-3}
27	19	12.2481	13.9126	1.6945	27.4	1493	157.3	131.9	.102	77.8	8.11×10^{-4}	.410	1.98×10^{-3}
31	G	11.6161	12.1681	.5520	30.2	9133	913.3	883.	.040	1600	2.62×10^{-2}	.670	3.91×10^{-2}
26	7	11.9296	12.6954	.7658	36.0	35892 (1 min)	35892	35856	.055	46850	4.89×10^{-1}	.600	8.14×10^{-1}
7	5	11.8907	12.7089	.8182	30.8	22841 (2 min)	11420.5	11389.7	.049	1390	1.46×10^{-1}	.630	2.32×10^{-1}
29	C	11.7343	12.5462	.8117	40.0	2190	219.0	179	.0582	221	2.25×10^{-3}	.592	3.80×10^{-3}
20	16	12.8200	13.9015	1.0815	42.4	1057	105.7	633.	.078	585	6.1×10^{-3}	.519	1.18×10^{-2}
23	6	11.6734	12.4821	.8087	30.4	16507	5502.3	5471.9	.058	6770	7.0×10^{-2}	.591	1.17×10^{-1}
25	33	11.8619	13.8516	2.0297	34.00	36.2	36.2	2.2	.147	1.08	1.13×10^{-5}	.375	3.01×10^{-5}
6	27	11.8988	13.8311	1.9323	38.6	1528	152.8	114.2	.139	59.1	6.16×10^{-4}	.387	1.59×10^{-3}
40	29	11.6499	12.6444	.9945	29.8	1821	182.1	152.3	.072	153.1	1.6×10^{-3}	.530	3.02×10^{-3}
272	4	10.8915	12.8842	1.9927	28.6	19047 (3 min)	6349	6320.	.140	3290	3.34×10^{-2}	.385	8.67×10^{-2}
7	3	10.4393	12.6146	1.1753	30.1	13839 (6 min)	2306.5	2276.	.085	1945	1.97×10^{-2}	.494	3.99×10^{-2}
B	25	11.2405	13.2811	2.0406	28.6	704	70.4	41.8	.148	20.5	2.14×10^{-4}	.375	5.70×10^{-4}
16	10	11.5348	13.5218	1.9870	29.3	1548	154.8	125.5	.142	63.9	6.64×10^{-4}	.380	1.75×10^{-3}
A	4	12.0266	14.2616	2.2350	35.1	14852 (4 min)	3713	3679	.161	164.5	1.72×10^{-2}	.355	4.85×10^{-2}
8	26	12.3054	13.3408	1.0347	28.6	1202	120.2	91.6	.074	88.6	9.25×10^{-4}	.528	1.75×10^{-3}
E	32	11.3498	14.9847	3.6345	30.6	1016	101.6	71.0	.263	19.6	2.04×10^{-4}	.270	7.55×10^{-4}
F	2	13.5176	15.6715	2.1538	42.5	31683 (3 min)	10561	10518.4	.156	4899	5.1×10^{-2}	.365	1.40×10^{-2}

samples from W pond 11/16/45

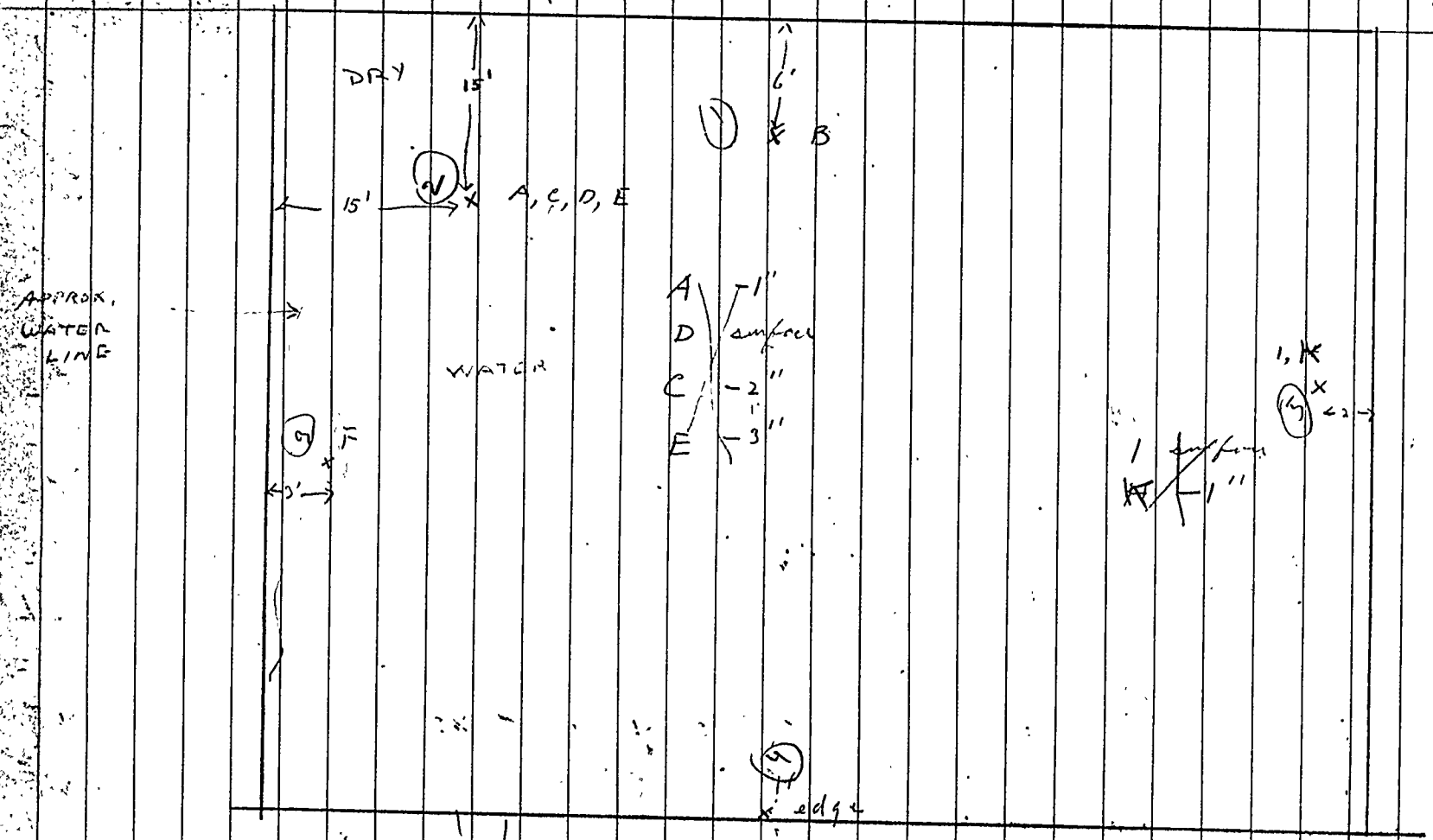
Sample	dia	Jar	gross	net	C/m	.040 C/m	.065 C/m	.145 C/m	g/cm²	C/m/g	μc/g	corr.	corr μc/g
A	532	11.077	11.569	.492	5604. ✓ 5584	2061.3	1174.3	117	.0356	11360	1.087×10^{-1}	.710	1.53×10^{-1}
B	117	12.281	12.852	.571	508. 488				.0414	855	8.18×10^{-3}	.658	1.24×10^{-2} ✓
C	32	11.790	13.085	1.295	93. 73				.0940	56	5.36×10^{-4}	.475	1.13×10^{-3}
D	112	12.396	13.465	1.069	(5966) 5612. ✓ 5590	177.3 728.3 *	50.4	27.3	.0775	5140	4.92×10^{-2}	.518	9.48×10^{-2} ✓
E	3	11.673	12.148	.475	41 21				.0344	44	4.22×10^{-4}	.704	6.00×10^{-4}
F	A	11.781	12.856	1.075	204. 184				.098	171	1.64×10^{-3}	.520	3.16×10^{-3} ✓
H	7	11.678	12.141	.463	1089. ✓ 1069	295.6	125.6	30.1	.0335	2205	2.11×10^{-2}	.720	2.93×10^{-2}
I	9	12.307	12.730	.423	2077 ✓ 2057	607.0	281.6	54.7	.0306	4900	4.79×10^{-2}	.725	6.60×10^{-2} ✓
K	x	11.371	11.856	.485	1231. ✓ 1211	432.3	221.3	41.3	.0352	2500	2.61×10^{-2}	.705	3.70×10^{-2}
													4.11×10^{-2}

B kg - 20.

surface ar.

Source "C" - 7745 (3 min.)
8169 (3 min) 11-20-45

* with .020


DRY
15'
15'
A, C, D, E
6'
B
APPROX. WATER LINE
WATER
A
D
C
E
1"
surface
2"
3"
F
3'
1, K
2
1
surface
1"
edge

Source °C 821.6

GF = .046 {obtained by taking ratio of c/3m to GF on preceding page}

11/20/45

Disk	Sample	TARE	GROSS	NET	B.G.	Tot. Coun	c/m	Net c/m	Gm/cm²	c/m/gm	mc/gm	Corr	μc/gm
13	B	12.0618	14.2613	2.1995	28.6	2084 5m	416.8	388.2	.1591	177	1.73×10^{-3}	.362	4.78×10^{-3}
4	34	10.5547	12.3142	1.7595	35.2	112	37.3	2.0	.127	1.4	1.12×10^{-5}	.410	2.73×10^{-5}
15	D	11.2672	12.1468	.3796	41.6	6218	6218	5802	.0227	153	1.5×10^{-2}	.760	1.97×10^{-2}
14	9	13.5598	15.5523	1.9925	28.2	8251 5m	4502	4220	.144	212	2.07×10^{-3}	.380	5.45×10^{-3}
14	E	12.6057	14.2111	1.6054	28.2	682 5m	136.4	108.2	.116	67.5	6.6×10^{-4}	.430	1.54×10^{-3}
10	7	11.8106	13.9206	2.1100	21.4	12484 4min	3121.4	3099.6	.157	1470	1.44×10^{-2}	.365	3.94×10^{-2}
18	F	13.0253	15.1126	2.0873	20.2	1039 5m	207.8	187.6	.151	89.8	8.78×10^{-4}	.365	2.40×10^{-3}
20	11	11.6204	13.8042	2.1838	41.2	973 5m	194.6	153.4	.156	70.2	686×10^{-4}	.363	1.89×10^{-3}
12	C	11.4833	13.4382	1.9549	24.3	3547 5m	709.4	685.1	.141	351	3.43×10^{-3}	.382	8.99×10^{-3}
5	G	11.8837	13.7388	1.8551	32.1	1002 5m	200.4	168.3	.134	90.8	8.88×10^{-4}	.392	2.26×10^{-3}
1	29	11.6266	14.1629	2.5363	20.6	146 5m	29.2	8.6	.183	3.39	3.32×10^{-5}	.333	9.97×10^{-5}
2	15	13.1210	15.1826	2.0616	15.8	12498 5m	2499.6	2481.8	.149	1202	1.175×10^{-2}	.372	3.16×10^{-2}
39	24	13.5626	14.9944	1.4318	16.9	360	30.0	20.9	.1035	14.6	1.43×10^{-4}	.451	3.17×10^{-4}
19	35	13.4486	15.8126	2.2640	29.1	384	38.4	9.3	.201	3.36	3.28×10^{-5}	.314	1.04×10^{-4}
22	6	11.7184	13.3412	1.6228	28.4	4926 5m	985.2	956.8	.117	580	5.67×10^{-3}	.425	1.33×10^{-2}
30	19	12.0221	14.0196	1.9975	24.6	477	47.7	23.1	.145	11.5	1.13×10^{-4}	.380	2.97×10^{-4}
1	N	11.5311	13.5123	1.9812	26.7	582 5min	116.4	87.7	.144	44.2	4.33×10^{-4}	.380	1.14×10^{-3}

Formula: $\mu c/gm = \dfrac{c/m/gm}{3.7 \times 60 \times 10^4 \times .046 \text{ (GF)}} = (0.978 \times 10^{-5}) \times c/m/gm$

Formula $\mu c/gm = \frac{c/m/gm}{(3.7 \times 60 \times 10^4 \times .046\ (G.F.))} = (0.975 \times 10^{-5}) \times c/m/gm$

Sample	Tare	Gross	Net	B.G.	Tot. Cts.	c/m	Net c/m	gm/cm²	c/m/gm	μc/gm	Corr.	Corr μc/gm
27 0	12.2181	13.4168	1.1987	32.3	744 5m	148.8	116.5	.086	97.4	9.53×10^{-4}	.495	1.92×10^{-3}
31 26	11.6161	13.1112	1.4951	34.6	506 5m	101.2	66.6	.108	44.6	4.36×10^{-4}	.445	9.80×10^{-4}
26 18	11.9296	15.6128	3.6832	30.6	360 10m	36	5.4	.267	1.47	1.44×10^{-5}	.267	5.40×10^{-5}
7 10	11.8907	13.9216	2.0309	28.1	13148 5m	2629.6	2601.5	.747	1282	1.26×10^{-2}	.376	3.35×10^{-2}
27 P	11.7345	14.1432	2.4087	41.2	3846 5m	769.2	728.0	.174	302	2.96×10^{-3}	.343	8.63×10^{-3}
20 32	12.8200	13.9100	1.0900	31.8	658 5	131.6	99.8	.079	91.5	8.95×10^{-4}	.507	1.76×10^{-3}
23 22	11.6734	13.6276	1.9542	27.2	380 5m	76	48.8	.141	25	2.44×10^{-4}	.382	6.39×10^{-4}
25 15	11.8619	13.4172	1.5553	20.4	370 5m	74	53.6	.1125	34.5	3.38×10^{-4}	.430	7.87×10^{-4}
6 1	11.8988	12.8993	1.0005	25.8	404	40.4	14.6	.072	14.5	1.42×10^{-4}	.530	2.68×10^{-4}
40 2	11.6499	13.6142	.9643	31.6	8545 5m	1709	1677.4	.069	1740	1.7×10^{-2}	.543	3.13×10^{-2}
22 25	10.8915	11.7776	.8861	25.2	335 5	67	41.8	.064	47.2	4.62×10^{-4}	.560	8.25×10^{-4}
17 33	11.4393	12.9342	1.4949	20.6	338 5m	67.6	47.0	.103	31.4	3.07×10^{-4}	.451	6.80×10^{-4}
B 14	11.2405	14.2611	3.0206	32.4	663 5m	132.6	100.2	.214	331	3.24×10^{-4}	.304	1.17×10^{-3}
16 30	11.5548	12.6132	1.0584	36.8	1508	150.8	114.0	.0765	108	1.06×10^{-3}	.523	2.02×10^{-3}
9 R	12.0266	13.4646	1.4380	40.1	4932 20m	493.2	453.1	.1035	315	3.08×10^{-3}	.451	6.82×10^{-3}
27	12.3054	14.4216	2.1162	22.2	652 5m	130.4	108.2	.153	51.2	5.01×10^{-4}	.366	1.37×10^{-3}
E 28	11.3498	15.4124	4.0626	28.1	662 5m	132.4	104.3	.294	25.7	2.52×10^{-4}	.253	9.97×10^{-4}
					330 5m							

1-4-46 Source "c" 12,956 5 min. Samples Collected

3000

.04318 (G.F.) Dec. 23-24-26

Disk	Sample	Tare	Gross	Net	B-G	5 min Total Count	C/M	Net C/M	(Gm/Cm²)	C/M/GM	M/C/GR	Corr	Corr MC/Gr.
1	35	11.5311	12.9932	1.4621	30.1	182	36.4	6.4	.106	4.38	4.60×10^{-5}	.442	1.03×10^{-4}
10	2	11.8106	13.1392	1.3286	37.4	14474	2892.8	2855.4	.104	2142	2.25×10^{-2}	.443	4.85×10^{-2}
13	34	12.0618	14.2050	2.1432	40.1	282	56.4	16.3	.155	7.62	7.98×10^{-5}	.365	2.18×10^{-4}
25	R	11.8619	14.3238	2.4619	32.6	1930	366	333.4	.178	136.7	1.43×10^{-3}	.340	4.20×10^{-3}
23	26	11.6734	13.5660	1.8926	38.1	494	98.8	50.6	.137	26.8	2.88×10^{-4}	.392	7.35×10^{-4}
16	P	11.5548	13.4834	1.9386	42.6	1956	391.2	348.6	.141	179.5	1.88×10^{-3}	.383	4.90×10^{-3}
27	12	12.2181	14.3322	2.1141	28.6	12010	2402	2373.4	.153	1123.0	1.18×10^{-2}	.367	3.31×10^{-2}
F	78	13.5176	13.9038	1.3862	20.8	382	76.4	55.6	.101	40.0	4.2×10^{-4}	.455	8.83×10^{-4}
30	32	12.0221	13.4502	1.4281	32.2	168	33.6	1.4	.104	23.4	2.46×10^{-4}	.443	5.55×10^{-4}
40	30	11.6499	13.4760	1.8261	40	575	105	75	.132	41.0	4.30×10^{-4}	.395	1.09×10^{-3}
17	1	11.4393	12.2992	.8599	26.5	132	30.4	10.2	.062	11.9	1.25×10^{-4}	.563	2.22×10^{-4}
39	O	13.5626	15.4842	1.9286	28.3	1610	322	293.7	.139	153.3	1.61×10^{-3}	.384	4.19×10^{-3}
4	N	12.0265	14.8376	2.8111	20.2	2595	519	498.8	.202	177.3	1.86×10^{-3}	.313	5.95×10^{-3}
29	19	11.7345	13.0211	1.2866	42.8	360	72	29.2	.093	22.6	2.37×10^{-4}	.482	4.92×10^{-4}
21	14	13.1210	15.1192	1.9982	50.0	420	84	34	.145	17.1	1.79×10^{-4}	.381	4.70×10^{-4}
19	23	13.0486	14.4772	1.4286	28.6	395	79	50.4	.104	35.2	3.69×10^{-4}	.443	8.34×10^{-4}
14	9	12.6057	15.0889	2.4832	32.8	8720	1744	1711.2	.179	690	7.25×10^{-3}	.339	2.14×10^{-2}
4	10	10.5587	11.5513	.9926	40.2	18362	3672.4	3632.2	.072	3661	3.74×10^{-2}	.572	7.30×10^{-2}
9	27	12.3054	13.7340	1.4286	28.6	360	72	43.4	.104	30.3	3.16×10^{-4}	.443	7.13×10^{-4}

7	2 9	11.8907	13.3528	1.4621	40.2	416	83.2	43	.106	29.4	3.82×10^{-4}	.455	8.65×10^{-4}
5	4	11.7672	12.8936	1.1264	28.0	192	38.2	9.6	.082	8.35	8.76×10^{-5}	.582	1.15×10^{-4}
6	7	11.8588	13.7199	1.8211	29.8	360	72	42.2	.132	23.2	2.43×10^{-4}	.408	6.08×10^{-4}
9	8	12.3054	14.7916	2.4862	30.4	258	51.6	21.2	.180	11.7	1.23×10^{-4}	.337	3.65×10^{-4}
5	3	11.8837	13.2965	1.4128	47	382	76.4	29.4	.102	20.8	2.18×10^{-4}	.450	4.84×10^{-4}
16	8	11.9296	14.2630	2.3334	54.3	726	145.2	90.9	.169	73.7	7.72×10^{-4}	.336	2.30×10^{-3}
18	4	13.0253	15.8864	2.8611	39.3	386	77.2	37.9	.207	13.4	1.41×10^{-4}	.301	4.68×10^{-4}
2	7	11.6266	12.9132	1.2866	40.4	2046	480.92	476.8	.093	3700	3.88×10^{-2}	.482	8.05×10^{-2}
11	11	13.1598	14.5861	1.4263	52	1096	293	213.7	.104	1495	1.57×10^{-2}	.443	3.54×10^{-2}
12	5	11.4833	13.3952	1.9121	24.3	7240	1448	1423.7	.138	7450	7.80×10^{-3}	.385	2.02×10^{-2}
12	C	10.8415	12.7577	1.8662	40.4	3056	611.2	570.8	.135	306.0	3.11×10^{-3}	.393	7.91×10^{-3}
13	D	12.0018	14.9229	2.8611	45.3	2864	572.8	527.5	.207	184.8	1.93×10^{-3}	.301	6.40×10^{-3}
20	B	12.8200	15.2181	2.4381	57.2	5028	1005.6	948.4	.176	390	4.09×10^{-3}	.341	1.20×10^{-2}
28	G	11.6204	13.7625	2.1421	60.0	2208	441.6	381.6	.155	178	1.81×10^{-3}	.368	4.96×10^{-3}
E	E	11.3498	12.5614	1.2116	28.2	420	84	55.8	.088	46.4	4.86×10^{-4}	.499	9.75×10^{-4}
22	J	11.7184	13.3312	1.6128	30	10600	2120	2090	.117	1298	1.36×10^{-2}	.4[illegible]	3.30×10^{-2}
21	15	11.6161	13.2573	1.1412	35	349	69.8	54.8	.155	16.2	1.70×10^{-4}	.365	4.65×10^{-4}
5	F	11.8837	12.7835	.8998	29.8	764	152.8	113.0	.065	448	1.52×10^{-3}	.525	2.88×10^{-3}
26	26	11.9296	13.3512	1.4216	36.6	6386	1277.2	1240.6	.103	1137	1.19×10^{-2}	.448	2.65×10^{-2}
18	5	13.0253	15.8866	2.8613	40.1	300	60	19.9	.207	6.95	7.26×10^{-5}	.301	2.41×10^{-4}

Source "C" — J [illegible] 2nd Dep 15.428 — Obs. Marie Dennison

G.I. [illegible] Lone — H.R. Croft

Plant Tissue — .1 R — .4 N — DISH 13.8

Dill	Sample	TARE	GROSS	NET	B.G.	Tot. Count	C/M	NET C/M	GM/cm²	C/M/gm	(8.79×10⁻⁶ / .879×10⁻⁵) MC/GM	CORR	Corr. MC/gm
26	30	11.9296	12.8276	.8980	29.4	232 (5)	46.4	17	.065	C189	1.66×10⁻⁴	1.27	2.50×10⁻⁴
30	A	12.0221	13.0615	1.0394	34.1	15180 (3)	506.0	471.9	.075	B456	4.05×10⁻³	1.34	5.36×10⁻³
25	18	11.8619	14.1925	2.3306	19.6	591 (5)	118.2	98.6	.169	C43.3	3.86×10⁻⁴	1.22	4.64×10⁻⁴
10	31	11.8306	14.1431	2.3325	31.1	152 (5)	30.5	0	.169	C			
20	P	12.8200	14.3651	1.5451	20.7	2470 (5)	617.5	596.8	.12	C386	3.38×10⁻³	1.16	3.92×10⁻³
27	11	12.2181	13.6165	1.3984	18.3	5409 (3)	1469.3	1451	.101	A1039	9.13×10⁻³	1.85	1.69×10⁻²
F	C	13.5176	14.9799	1.4621	37.0	2386 (5)	477.2	440.2	.106	B301	2.65×10⁻³	1.46	3.57×10⁻³
19	16	13.0486	15.7128	2.6642	24.6	405 (5)	41	16.4	.193	C6.2	5.44×10⁻⁵	1.24	6.74×10⁻⁵
39	13	13.5626	15.9670	2.4044	17.0	1545 (5)	303	286	.174	B119	1.05×10⁻³	1.67	1.76×10⁻³
17	N	11.4393	13.4293	1.9900	33.0	2041 (5)	408.2	370.2	.144	C188	1.65×10⁻³	1.12	1.85×10⁻³
31	16	11.6161	12.8957	1.2796	20.0	1345 (5)	269	249	.093	A195	1.71×10⁻³	1.74	2.98×10⁻³
11	2	13.1598	15.0586	1.8988	16.2	6832 (4)	170.8	154.6	.138	A81.4	7.14×10⁻⁴	2.12	1.51×10⁻³
1	F	11.5311	12.6483	1.1172	27.1	1925 (5)	387	359.9	.081	B323	2.83×10⁻³	1.35	3.82×10⁻³
4	R	10.5587	11.4798	.9211	37.9	2299 (5)	459.8	421.9	.066	C456	4.02×10⁻³	1.07	4.30×10⁻³
7	29	11.8907	12.3732	.4825	14.0	713 (5)	14.3	0	.035	C0			
9	B	12.3054	12.9519	.6465	29.1	1058 (4)	263.2	234.1	.047	B362	3.18×10⁻³	1.21	3.85×10⁻³
28	24	11.6204	12.5989	.9785	37.4	3504 (3)	1135	1087.6	.071	C1111	9.76×10⁻³	1.06	1.04×10⁻²
582	7	11.1061	12.2309	1.1248	19.0	1578 (5)	315.6	296.6	.087	A263	2.30×10⁻³	1.68	3.86×10⁻³
10	[illegible]	[illegible]	[illegible]	[illegible]	17.7	241 (5)	48.2	47.1	.148	[illegible]	[illegible]	1.18	2.36×10⁻⁴

9	B	12.3054	12.9519	.6465	29.1	1058	263.2	234.1	.047	B362	3.18×10^{-3}		1.21	3.85×10^{-2}
[illegible]	24	11.6204	12.5989	.9785	37.4	3504 (3)	1135	1087.6	.071	C1111	9.76×10^{-3}		1.06	1.04×10^{-2}
532	7	11.1061	12.2309	1.1248	19.0	1578 (5)	315.6	296.6	.087	A263	2.30×10^{-4}		1.68	3.86×10^{-3}
18	22	13.0253	15.0748	2.0495	17.7	324 (5)	64.8	47.1	.148	C22.9	2.01×10^{-4}		1.18	2.36×10^{-4}
23	14	11.6734	13.1961	1.5227	23.3	1212 (5)	242.4	219.1	.110	C144	1.27×10^{-3}		1.16	1.46×10^{-3}
B	1	[illegible]	13.6496	2.4091	34.0	173 (5)	34.6	.6	.175	A.25	2.19×10^{-7}		2.46	5.40×10^{-7}
2	5	11.4833	13.1089	1.6256	29.4	674 (4)	143.5	114.1	.117	A69.9	6.14×10^{-4}		1.98	1.22×10^{-4}
14	15	12.6057	14.7646	2.1589	37.0	428 (4)	107	70	.156	C32.4	2.84×10^{-4}		1.18	3.38×10^{-4}
22	9	11.7184	13.1845	1.4661	21.7	1884 (2)	942	920.3	.106	A626	5.50×10^{-3}		1.91	1.05×10^{-3}
272	2	10.8915	12.7741	1.8826	36.6	422 (4)	505.2	468.6	.137	A249	2.19×10^{-3}		2.16	4.74×10^{-3}
12	12	11.4833	13.7586	2.2753	12.5	8289 (2)	4144.5	4132	.164	B1801	1.582×10^{-2}		1.74	2.74×10^{-2}
40	E	11.6499	12.1685	.5186	35.5	494 (4)	123.5	87	.037	B167	1.47×10^{-3}		1.16	1.70×10^{-3}
E	25	11.3498	15.1183	3.7685	25.1	482 (4)	120.5	95.4	.273	C253	2.21×10^{-4}		1.36	3.00×10^{-4}
21	6	13.1276	16.9910	3.8700	27.9	7372 (2)	3686	3658.1	.288	A944	8.29×10^{-3}		3.19	3.64×10^{-2}
6	0	11.8988	14.0686	2.1698	17.4	226 (5)	252	7.8	.157	C3.4	2.9×10^{-5}		1.19	3.45×10^{-5}
7	19	11.6266	12.3732	.7466	30.9	307 (5)	61.4	30.5	.054	C40.1	3.50×10^{-4}		1.05	3.68×10^{-4}
15	28	11.7672	12.7338	.9666	20.1	180 (5)	36	15.9	.070	C16.4	1.44×10^{-4}		1.06	1.51×10^{-4}
13	27	12.0618	14.1866	2.1248	19.9	190 (5)	38	18.1	.154	C8.5	7.5×10^{-5}		1.18	8.86×10^{-5}
5	24	11.8837	14.0652	2.1815	37.0	936 (5)	187.4	150.4	.158	C70.6	6.21×10^{-4}		1.20	7.45×10^{-4}
29	D	11.7345	13.1580	1.4235	14.6	6299 (2)	3149.5	3134.9	.103	B2189	1.914×10^{-2}		1.44	2.74×10^{-2}

SAMPLES COLLECTED 2-25/26-46 * Source "O" 13,120 (5 m.) *
3-4-46 12,840 (3-5-46)

Feb.

DISH	SAMPLE	TARE	GROSS	NET	B.G.	T. COUNT	C/M	NET C/M	GM/CM²	CM/GM	μC/GM	CORR	CORR μC/GM
4	34	10.5587	13.5261	2.9674	10M 268	159	31.8*	11	.214	C 3.72	3.91×10^{-5}	x1.27	4.96×10^{-5}
10	33	11.8106	13.6856	1.8750	1 min 20.8	313	61.6*	40.8	.136	C 21.9	2.30×10^{-4}	1.16	2.66×10^{-4}
14	A	12.6057	14.0378	1.4321	1.4456	16456	3091.2	3070.4	.104	B 2149	2.26×10^{-2}	1.45	3.28×10^{-2}
25	15	11.8619	14.4173	2.5554		9321	1864.2*	1843.4	.186	C 721	7.57×10^{-3}	1.24	9.39×10^{-3}
16	32	11.5548	13.3573	1.8025		2206	441.2	420.4	.131	C 234	2.46×10^{-3}	1.16	2.86×10^{-3}
22	16	11.7184	13.3109	1.5925		11894	2368.8	2348.0	.115	C 1429	1.49×10^{-2}	1.14	1.69×10^{-2}
17	10	11.4393	15.7081	4.2688		12566	2513.2*	2492.4	.309	A 584	6.13×10^{-3}	3.31	2.03×10^{-3}
28	1	11.6204	15.4298	3.8094		215	43 *	22.2	.276	A 5.8	6.0×10^{-5}	3.11	1.86×10^{-4}
27	19	12.2181	14.3227	2.1046		588	117.6*	96.8	.154	C 46.1	4.84×10^{-4}	1.18	5.70×10^{-4}
30	R	12.0221	14.5310	2.5089		15831	3166.2*	3145.4	.182	C 255	1.32×10^{-2}	1.22	1.61×10^{-2}
5	D	11.8837	14.4210	2.5373		7079	1415.8	1395.0	.183	B 549	5.76×10^{-3}	1.23	7.08×10^{-3}
1	7	11.5311	17.6999	6.1688		8881	1776.2	1755.4	.446	A 284	2.98×10^{-3}	3.92	1.17×10^{-2}
A	30	12.0265	17.3276	5.3011		8813	1762.2	1741.4	.384	C 329	3.46×10^{-3}	1.55	5.36×10^{-3}
31	6	11.6161	16.9068	5.2907		2868	573.6	552.8	.383	A 105	1.10×10^{-3}	3.71	4.08×10^{-3}
9	27	12.3054	15.0132	2.7078		3109	621.8*	601.0	.196	C 221	2.32×10^{-3}	1.24	2.88×10^{-3}

F	22	13.5176	15.5094	1.9918	342	68.4	47.6	.148	C 23.9	2.57×10^{-4}	1.17	2.94×10^{-4}
7	P	11.6266	14.9832	3.1566	11257	2251.	2230.2	.228	C 705	7.40×10^{-3}	1.29	9.55×10^{-3}
6	B	11.9998	15.2709	3.3721	20113	4022.6	4001.8	.244	B 1190	1.25×10^{-2}	2.15	2.69×10^{-2}
11	E	11.3498	16.6648	5.3150	12836	2567.2	2546.4	.384	B 479	5.03×10^{-3}	2.81	1.41×10^{-2}
7	5	11.8907	16.4513	4.5606	3530	706.	685.2	.330	A 151	1.59×10^{-3}	3.40	5.41×10^{-3}
13	24	12.0618	16.3899	4.3281	2455	491.	470.2	.312	C 107	1.13×10^{-3}	1.42	1.60×10^{-3}
20	15	12.8200	18.5980	5.7780	16300	3260.	3239.2	.419	B 562	5.89×10^{-3}	2.94	1.73×10^{-2}
40	18	11.6499	13.7143	2.0644	839	167.8	147.0	.149	C 71.4	7.47×10^{-4}	1.17	8.74×10^{-4}
39	F	13.5625	15.4360	1.8735	9763	1952.	1931.9	.135	B 103	1.08×10^{-2}	1.60	1.73×10^{-2}
12	29	11.4833	15.1209	3.6376	2621	524.2	503.4	.264	C 137	1.44×10^{-3}	1.35	1.94×10^{-3}
23	28	11.6734	16.1482	4.4748	3980	796.	775.2	.324	C 174	1.83×10^{-3}	1.45	2.65×10^{-3}
5	N	11.3498	14.5039	3.1531	10278	2055.6	2034.8	.228	C 645	6.76×10^{-3}	1.29	8.72×10^{-3}
272	9	10.8915	14.6389	3.7474	9822	1964.4	1943.6	.272	A 519	5.45×10^{-3}	3.09	1.68×10^{-2}
2	21	11.6833	15.6499	4.1666	37004	7400.8	7380.0	.302	B 777	1.56×10^{-2}	2.44	4.54×10^{-2}
532	2	11.1061	13.7067	2.6006	18973	3792.6	3771.8	.84	A 457	1.52×10^{-2}	2.59	3.82×10^{-2}
B	12	11.2405	13.5915	2.3510	7885	1577.	1556.2	.170	B 665	6.98×10^{-3}	1.76	1.25×10^{-2}

TIME - 12:20 To 11:093 - (5 min.)

March 4-3-46 Sample "C"

037 = G. F. cm

D	S	TARE	GROSS	NET	B.G.	T.count	c/m	NET c/m	(1.22×10⁻⁵) gm/cm²	c/m/g	gm/g	Gm.	[illegible]
40	1	11.6479	16.6985	5.0486	20.4	146	29.2	8.8	.364	1.74	2.12×10^{-5}	3.55	6.00×10^{-5}
31	2	11.6161	17.4846	5.8685	20.4	6857	1371.4	1351	.425	231	2.81×10^{-3}	2.95	1.11×10^{-3}
E	5	11.3498	15.4325	2.0827	20.4	540	108	87.6	.151	42.1	5.04×10^{-4}	2.26	1.16×10^{-3}
5	6	11.8837	16.7349	4.8512	20.4	6331	1262	1058	.351	26.4	3.32×10^{-4}	3.52	1.17×10^{-3}
20	7	12.8200	17.4436	4.6236	20.4	2927	585.4	565	.334	122	1.49×10^{-3}	3.46	5.26×10^{-3}
27	9	12.2181	16.6841	4.4660	20.4	4745	949	928.6	.324	208	2.54×10^{-3}	3.37	8.56×10^{-3}
B	10	11.2405			20.4								
25	11	11.8619	15.7909	3.9290	20.4	5669	1133.8	1113.4	.284	284	3.46×10^{-4}	3.15	10.9×10^{-3}
B	12	11.2405	14.5813	3.3408	20.4	22592	4518.4	4498	.242	1345	1.64×10^{-3}	5.16	3.54×10^{-1}
30	B	12.0221	18.7459	6.7238	20.4	11725	2345	2324.6	.486	346	4.23×10^{-3}	3.16	1.34×10^{-2}
21	C	13.1210	16.6008	3.4798	20.4	17874	3574.8	3554.4	.252	1021	1.27×10^{-2}	2.18	2.77×10^{-2}
13	D	12.0618	14.5608	2.4990	20.4	5017	1003.4	983	.181	394	4.81×10^{-3}	1.82	8.75×10^{-3}
16	E	11.5548	13.8007	2.2459	20.4	3264	652.8	632.4	.163	280	3.42×10^{-3}	1.73	5.92×10^{-3}
272	F	10.8975	12.5821	1.6906	20.4	11514	5752.8	5732.4	.122	3381	4.12×10^{-2}	7.56	6.43×10^{-2}
12	G	11.4833	13.8336	2.3503	20.4	7665	1533	1512.6	.170	644	7.85×10^{-3}	1.78	1.40×10^{-2}
22	N	11.7184	16.6341	4.9157	20.4	3752	750.4	730	.356	149	1.82×10^{-3}	1.49	2.72×10^{-3}

1	Q	11.5311	15.2735	3.7424	20.4	3403	680.6	660.2	.271	172	2.09×10^{-3}	1.36	2.84×10^{-3}
532	P	11.1061	14.2865	3.1804	20.4	5755	1151	1130.6	.220	356	4.40×10^{-3}	1.29	5.67×10^{-3}
17	R	11.4393	14.5306	3.0913	20.4	6495	1299	1278.6	.224	413	5.03×10^{-3}	1.28	6.44×10^{-3}
39	14	13.5625	19.0000	5.4375	20.4	2356	471.2	450.8	.394	83.1	1.01×10^{-4}	1.56	1.58×10^{-4}
	15												
7	16	11.6266	14.5447	2.9181	20.4	1455	91	70.6	.112	24.2	2.86×10^{-4}	1.27	3.63×10^{-4}
14	18	12.6057	16.6248	4.0191	20.4	4930	986	965.6	.290	241.0	2.92×10^{-2}	1.38	4.03×10^{-2}
F	19	13.5176	18.2367	4.7191	20.4	2223	444.6	424.2	.342	89.9		1.47	
A	22	12.0265	16.7515	4.7250	20.4	1099	219.8	199.4	.342	42.2	5.14×10^{-4}	1.47	7.55×10^{-4}
9	24	12.3054	17.4367	5.1313	20.4	1224	244.8	224.4	.371	43.9	5.35×10^{-4}	1.53	8.20×10^{-4}
2	25	11.8907	15.6573	3.7666	20.4	1280	256	235.6	.273	62.5	7.62×10^{-4}	1.36	1.04×10^{-3}
	26												
2	27	11.4833	17.1168	5.6335	20.4	1253	250.6	230.2	.406	40.9	5.00×10^{-4}	1.58	7.90×10^{-4}
	28												
	29												
	30												
	32												
10	33	11.8106	14.3748	2.5642	20.4	358	71.6	51.2	.186	19.9	2.42×10^{-4}	1.23	2.98×10^{-4}
	34												
28	35	11.6204	15.7673	4.1469	20.4	174	34.8	14.4	.300	[illegible]	[illegible]	[illegible]	[illegible]

4-19-46 April

Source B.C. 17.5 - 11.46 (5 wk)

D	S	TARE	GROSS	NET	T.Count	c/m	NET c/m	G/L	c/m/g	AREA $k \times 10^{-5}$	DISP 13.8	$\beta/c/g$
7	2	11.6266	15.9066	4.2800	5413	1082.6	1065.5	.311	248.2	2.96×10^{-3}	3.30	9.76×10^{-3}
5	Q	11.8837	13.8259	1.9402	1081	2162	199.1	.141	102.5	1.24×10^{-3}	2.19	1.46×10^{-2}
6	18	11.8988	16.4412	4.5424	1806	361.2	344.1	.328	75.5	8.67×10^{-4}	1.44	1.25×10^{-3}
272	B	10.8915	12.2249	1.3334	5342	1068.4	1051.3	.096	113.5	1.34×10^{-3}	1.43	1.92×10^{-3}
22	7	11.7184	15.8576	4.1392	4426	885.2	868.1	.300	209.1	2.47×10^{-3}	3.25	8.04×10^{-3}
27	9	12.2181	15.5599	3.3418	3438	687.6	670.5	.242	201.5	2.37×10^{-3}	2.90	6.88×10^{-3}
20	P	12.8200	15.4345	2.6145	6216	1243.2	1226.1	.189	430.2	5.07×10^{-3}	1.24	6.29×10^{-3}
21	5	13.1210	16.5114	3.3904	13926	2785.2	2768.1	.248	785.8	9.25×10^{-3}	2.95	2.73×10^{-2}
11	1	11.3498	18.5838	7.2340	559	111.8	94.7	.524	13.1	1.55×10^{-4}	3.25	5.03×10^{-4}
12	10	11.4833	15.1435	3.6602	8973	1794.6	777.5	.256	485.8	5.74×10^{-3}	2.99	1.72×10^{-2}
14	30	12.6057	17.6683	5.0626	311	62.2	45.1	.362	8.7	1.03×10^{-4}	1.51	1.55×10^{-4}
39	21	13.5625	16.1073	2.5448	300	60	42.9	.184	16.9	1.84×10^{-4}	1.23	2.24×10^{-4}
25	C	11.8619	14.0875	2.2256	9148	1829.6	1812.5	.162	815.4	8.88×10^{-3}	1.73	1.53×10^{-2}
26	N	11.9296	15.3763	3.4467	6696	1338	1320.9	.249	382.9	4.18×10^{-3}	1.33	5.56×10^{-3}
15	32	11.7672	14.4642	2.6970	272	54.4	37.3	.196	13.8	1.51×10^{-4}	1.24	1.87×10^{-4}
4	12	10.5527	12.5325	1.9798	33232	6646.4	6629.3	.142	3385.1	4.03×10^{-2}	1.62	6.53×10^{-2}
17	11	11.4393	14.8129	3.3736	18758	3751.6	3734.5	.232	1609.6	1.32×10^{-2}	2.83	3.73×10^{-2}
1	6	11.5311	13.4074	1.8763	2197	439.4	422.3	.136	224.5	2.68×10^{-3}	1.14	3.06×10^{-3}

1	6	11.531	13.4074	1.8763	2197	439.4	422.3	.13	3.6	224.5	2.68×10^{-3}	1.14	30.0×10^{-3}
2	24	11.4833	16.2000	4.7167	1192	238.4	221.3	.341	46.5	5.54×10^{-4}	1.47	815×10^{-4}
16	15	11.5548	13.6024	2.0476	984	196.8	179.7	.145	87.7	1.04×10^{-3}	1.15	119×10^{-3}
30	25	12.0221	15.3590	3.3369	1910	382	364.9	.242	109.3	1.29×10^{-3}	1.32	1.70×10^{-3}
29	34	11.7345	16.0714	4.3369	229	45.8	28.7	.311	6.62	7.86×10^{-5}	1.42	1.12×10^{-4}
F	29	13.5176	15.8232	2.3056	227	45.4	28.3	.162	12.28	1.46×10^{-4}	1.20	1.75×10^{-4}
9	R	12.3054	14.4401	2.1347	5576	1115.2	1098.1	.152	58.1	6.16×10^{-3}	1.18	7.26×10^{-3}
532	33	11.1061	15.8000	4.6939	213	42.6	25.5	.339	5.44	6.46×10^{-5}	1.47	9.70×10^{-5}
13	16	12.0618	16.6506	4.5688	1357	271.4	254.3	.330	56.4	6.70×10^{-4}	1.46	9.65×10^{-4}
A	E	12.0265	14.2146	2.1881	26459	4291.8	4274.7	.158	1951.0	2.32×10^{-2}	1.72	3.99×10^{-2}
E	26	11.3498	15.6483	4.2985	182	36.4	19.3	.311	4.5	5.35×10^{-5}	1.43	7.65×10^{-5}
19	14	13.0486	17.6251	4.5765	2569	513.8	496.7	.331	108.5	1.29×10^{-3}	1.46	1.88×10^{-3}
28	G	11.6204	16.3380	4.7176	5836	972.6	955.5	.341	202.5	2.48×10^{-3}	2.62	6.49×10^{-3}
40	F	11.6499	13.7455	2.0956	8555	1711	1693.9	.152	805.2	9.56×10^{-3}	1.67	1.59×10^{-2}
23	13	11.6234	15.5475	3.8741	6701	1336.2	1319.1	.280	341.0	4.06×10^{-3}		
10	22	11.8106	14.5194	2.7088	823	164.6	147.5	.196	54.4	6.46×10^{-4}	1.24	8.01×10^{-4}
31	D	11.6161	13.4437	1.8276	6139	1227.8	1210.7	.132	659.0	7.84×10^{-3}	1.58	

Source C" 11968 5 mts. count collected 5-20-46
Background 21.1 May — counted 5-23-46 — 12:30 p.m.

D	S	TARE	GROSS	NET wt	T. count	c/m	net c/m	GM/cm²	c/M/g	1.13×10^{-5} μc/g	Corr factor	Corr μc/g
40	22	11.6499	14.5297	2.8798	534	107	85.9	.208	29.8	3.37×10^{-4}	1.27	4.27×10^{-4}
31	7	11.6161	15.0000	3.3839	24788	4957.6	4936.5	.245	1474.9	1.665×10^{-2}	2.97	4.96×10^{-2}
E	1	11.3498	15.6100	4.2602	220	44	22.9	.309	5.4	6.1×10^{-5}	1.47	8.96×10^{-5}
5	29	11.8837	15.9901	4.1064	536	107.2	86.1	.301	20.9	2.36×10^{-4}	1.41	3.33×10^{-4}
20	14	12.8200	18.8365	6.0165	2843	568.6	547.5	.447	91.4	1.03×10^{-3}	1.66	1.71×10^{-3}
24	30	11.9296	15.9164	3.9868	1427	285.4	264.3	.289	66.2	7.47×10^{-4}	1.39	1.03×10^{-3}
25	E	11.8619	13.3243	1.4624	11880	2376	2354.9	.106	1659.0	1.872×10^{-2}	1.46	2.73×10^{-2}
B	15	11.2105	15.9187	4.6782	2715	543	521.9	.340	111.2	1.25×10^{-3}	1.47	1.84×10^{-3}
30	34	12.0221	15.4000	3.3779	187	37.4	16.3	.237	4.69	5.30×10^{-5}	1.36	7.21×10^{-5}
21	D	13.1610	15.1798	2.0588	4932	986.4	965.3	.149	464.9	5.24×10^{-3}	1.67	8.75×10^{-3}
13	19	12.0618	14.8032	2.7414	1408	281.6	260.5	.199	94.9	1.12×10^{-3}	1.25	1.40×10^{-3}
16	16	11.5548	13.6818	2.1270	1530	306	284.9	.155	134.5	1.52×10^{-3}	1.19	1.81×10^{-3}
272	6	10.8915	14.5911	3.6996	28381	5676	5654.9	.268	1532.	1.732×10^{-2}	3.09	5.32×10^{-2}
12	10	11.4833	15.7302	4.2469	20745	4149	4127.9	.308	990.	1.120×10^{-2}	3.30	3.64×10^{-2}
22	11	11.7184	15.5936	3.8752	25214	5042.8	5021.7	.285	1299.	1.466×10^{-2}	3.15	4.62×10^{-2}
1	C	11.5311	14.4893	2.9582	21220	4244	4222.9	.214	1425.	1.610×10^{-2}	2.00	3.22×10^{-2}
532	35	11.1061	15.8143	4.7082	245	49	27.9	.346	5.94	6.71×10^{-5}	1.48	9.94×10^{-5}
17	B	11.4393	14.1818	2.7425	21925	4385	4363.9	.199	1592	1.800×10^{-2}	1.93	3.47×10^{-2}

net wt

		[illegible]	[illegible]	2.1425	21925	4385	4365.7	.177	1592	1.800×10^{-2}	1.93	3.47×10^{-2}
29	G	11.7345	13.4777	Net wt 1.7432	9699	1939.8	1918.7	.126	1102.0	1.268×10^{-2}	1.56	1.98×10^{-2}
27	28	12.2181	14.1165	1.8984	3450	690	668.9	.138	362.2	4.09×10^{-3}	1.57	6.43×10^{-3}
39	12	13.5625	15.5791	2.0166	5280	10436	10414.9	.146	5154	5.85×10^{-2}	1.65	9.65×10^{-2}
7	5	11.6266	15.7103	4.0837	16674	3334.8	3313.7	.150	807.2	9.14×10^{-3}	2.25	2.08×10^{-2}
14	N	12.6057	14.6296	2.0239	3782	756.4	735.3	.145	366.1	4.14×10^{-3}	1.18	4.88×10^{-3}
F	24	13.5176	15.5000	1.9824	1081	216	194.9	.144	98.4	1.115×10^{-3}	1.17	1.14×10^{-3}
A	P	12.0265	14.6021	2.5756	12623	2534.6	2503.5	.186	984.0	1.115×10^{-2}	1.23	1.37×10^{-2}
9	R	12.3054	15.1738	2.8684	7052	1410.4	1389.3	.203	662.0	7.47×10^{-3}	1.25	9.34×10^{-3}
Σ	25	11.8907	15.4868	3.5961	3028	605.6	584.5	.261	162.5	1.84×10^{-3}	1.34	2.43×10^{-3}
2	33	11.4833	13.4770	1.9937	391	78.2	57.1	.144	28.6	3.23×10^{-4}	1.17	3.78×10^{-4}
10	26	11.8106	15.7918	3.9807	1792	358.4	337.3	.288	84.6	9.56×10^{-4}	2.38	2.28×10^{-3}
28	21	11.6204	16.0932	4.4728	157008	31401.6	31380.5	.324	7000.0	7.810×10^{-2}	3.38	2.64×10^{-1}
23	13	11.6734	13.9613	2.2879	5146	1009.2	988.1	.166	432.5	4.87×10^{-3}	1.21	5.90×10^{-3}
6	0	11.8988	16.2818	4.3830	7745	1549	1527.9	.318	348.1	3.93×10^{-3}	1.44	5.65×10^{-3}
19	18	13.0486	16.5073	3.4587	1445	289	267.9	.250	77.4	8.73×10^{-3}	1.33	1.16×10^{-2}
15	32	11.7672	15.6313	3.8641	177	35.4	14.3	.280	3.7	4.18×10^{-5}	1.38	4.26×10^{-5}
4	A	10.5587	[illegible]	1.5062	6153	1230.6	1209.5	.111	801.0	9.05×10^{-3}	1.48	1.34×10^{-2}
11	27	11.3498	17.3132	5.9634	1607	321.4	303.3	.408	514.0	5.81×10^{-3}	1.59	9.24×10^{-3}
614	9	12.3827	17.0067	4.6240	27044	5408.8	5387.7	.335	1185.0	1.340×10^{-2}	3.54	4.75×10^{-2}

Source "C" — 5 mt. count — 13,568 Geometric factor .045

Background — 32.8 counted 6-19-46

D	S	TARE	WT GROSS	WT. NET	10 minutes total counts	C/m	Net C/m	1.001 x 10^-5 GM/cm²	C/m/g	1:00 P.M. ν C/g	corr. factor	corr. ν/C/g
40	22	11.6499	13.9340	2.2841	1724	172.4	139.6	.166	61.12	[illegible]	1.21	7.39x10^-4
31	R	11.6161	14.2677	2.6516	9770	977	944.2	.192	356.3	3.56x10^-3	1.24	4.41x10^-3
E	30	11.3498	14.5000	3.1502	896	89.6	156.8	.228	18.03	1.80x10^-4	1.29	2.50x10^-4
5	32	11.8837	14.7468	2.8631	734	73.4	40.6	.207	13.99	1.40x10^-4	1.26	1.76x10^-4
20	0	12.8200	15.6100	2.7900	3350	335.0	302.21	.202	108.32	1.08x10^-3	1.26	1.36x10^-3
27	7	12.2181	15.0239	2.8078	36302	3630.2	3597.4	.203	1280.21	1.28x10^-2	2.64	3.38x10^-2
25	28	11.8619	15.4649	3.6030	27522	2752.2	2719.4	.261	755.39	7.53x10^-3	1.34	1.01x10^-2
B	11	11.2405	12.5143	1.2738	57837	5783.7	5750.9	.092	4514.76	4.51x10^-2	1.78	8.02x10^-2
30	33	12.0221	15.6092	3.5871	532	53.2	20.4	.260	5.69	5.69x10^-5	1.34	7.61x10^-5
21	27	13.1210	16.0480	2.8370	1712	171.2	138.4	.206	48.78	4.88x10^-4	1.26	6.15x10^-4
13	35	12.0618	15.3540	3.2922	320	32.0						
16	15	11.5548	14.6119	3.0571	5331	533.1	500.3	.222	163.66	1.64x10^-3	1.28	2.50x10^-3
272	9	10.8915	12.8614	1.9699	22105	2210.5	2177.7	.143	1105.49	1.11x10^-2	1.63	1.82x10^-2
12	6	11.4833	15.1530	3.6697	3863	386.3	353.5	.266	96.33	9.63x10^-4	2.26	2.18x10^-3
22	14	11.7184	14.8186	3.1002	5909	590.9	558.1	.225	180.02	1.80x10^-3	1.29	2.32x10^-3
1	34	11.5311	14.9279	3.3968	364	36.4						
532	24	11.1061	15.9571	4.8510	3389	338.9	306.1	.352	63.11	6.31x10^-4	1.49	9.40x10^-4
17	16	11.4393	13.9684	2.4891	2242	224.2	191.4	.180	76.90	7.67x10^-4	1.23	9.44x10^-4
29	F	11.7345	13.6671	1.9326	7486	748.6	715.8	.140	370.38	3.70x10^-3	1.65	6.01x10^-3
26	E	11.9296	13.8637	1.9341	14231	1423.4	1390.6	.140	718.99	7.19x10^-3	1.62	1.16x10^-2

6-19-46

36	N 4	11.9296	13.8637	1.9341	14231	1423.4	1390.6	.140	718.99	7.19×10^{-3}	1.62	1.16×10^{-2}

6-19-46

39	C	13.5625	14.7678	1.2053	38220	3822	349.4	.087	289.89	2.90×10^{-3}	1.74	5.05×10^{-3}
17	25	11.6266	13.5323	1.9057	1739	173.9	141.1	.138	74.04	7.40×10^{-4}	1.16	8.56×10^{-4}
14	2	12.6057	16.9696	4.3639	56677	5667.7	5634.9	.316	1291.25	1.29×10^{-2}	3.30	4.25×10^{-2}
F	29	13.5176	16.4607	2.9431	814	81.4	48.6	.213	16.51	1.65×10^{-4}	1.26	2.04×10^{-4}
A	5	12.0265	16.4033	4.3768	3262	326.2	293.4	.317	67.04	6.70×10^{-4}	3.34	2.32×10^{-3}
19	26	12.3054	15.9475	3.6421	3407	340.7	307.9	.264	84.54	8.45×10^{-4}	1.34	1.13×10^{-3}
N												
2	19	11.4833	14.4806	2.9973	1572	157.2	124.4	.217	41.50	4.15×10^{-4}	1.28	5.31×10^{-4}
10	D	11.8106	13.7614	1.9508	5630	563.0	530.2	.141	271.79	2.72×10^{-3}	1.62	4.40×10^{-3}
28	O	11.6204	14.2607	2.6403	31680	3168	284.0	.191	107.58	1.08×10^{-3}	1.55	1.67×10^{-3}
23	G	11.6734	13.5941	1.9207	1174	117.4	114.4	.139	59.26	5.94×10^{-3}	1.64	9.73×10^{-3}
6	B	11.8988	14.2711	2.3723	63175	6317.5	6282.7	.172	2649.2	2.65×10^{-2}	1.78	4.54×10^{-2}
19	P	13.0686	16.2100	3.1614	6213	621.3	588.5	.229	186.15	1.86×10^{-3}	1.30	2.42×10^{-3}
15	T	11.7672	13.4580	1.6908	7489	748.9	716.1	.123	423.53	4.24×10^{-3}	2.08	8.82×10^{-3}
4	I	10.5587	14.4867	3.9280	313	31.3						
11	N	11.3498	15.7432	4.3934	6048	604.8	573.0	.318	130.20	1.30×10^{-3}	1.44	1.87×10^{-3}
614	3	12.3827	14.8000	2.4173	4647	464.7	431.9	.175	178.67	1.79×10^{-3}	1.22	2.18×10^{-3}

SAMPLES COLLECTED 1-16-46 S.F = .041

SOURCE "C" for 5 MIN. = 12,250 uc/g = 1.10 X 10^{-5} x C/M/gm.

Background 22.0

D	S	TARE	GROSS	WT NET	10 MIN. T. COUNTS	C/M	N/C/M	GM/CM²	C/M/G	uC/g	C.F.	C.F. / uC/g
E	A1	11.3498	16.1020	4.7522	386	38.6	16.6	.344	3.49	3.83×10^{-5}	2.65	1.01×10^{-4}
7	2	11.6262	17.3802	5.7540	12430	1243	1241	.416	215.68	2.37×10^{-3}	2.94	6.97×10^{-3}
12	5	11.4833	14.3918	2.9085	1179	117.9	95.9	.210	32.97	3.63×10^{-4}	2.20	7.99×10^{-4}
K	6		13.7493		8566	856.6	834.6	[illegible]				
6	7	11.8988	13.7267	1.8279	20959	2095.9	2073.9	.132	1134.6	1.25×10^{-2}	2.12	2.65×10^{-2}
19	9	13.0486	15.3520	2.3034	24457	2445.7	2423.7	.167	1038.4	1.14×10^{-2}	2.38	2.71×10^{-2}
12	10		15.5108		43255	4325.5	4303.5					
4	11	10.5587	11.9212	1.3625	32712	3271.2	3249.2	.099	2384.7	2.62×10^{-2}	1.84	4.82×10^{-2}
[illegible]	12	11.1061	12.8887	1.7826	29723	2972.3	2950.3	.129	1655.0	1.82×10^{-2}	1.57	2.86×10^{-2}
[illegible]	B	10.5523	13.7151	3.1628	25601	2560.1	2538.1	.229	802.5	8.82×10^{-3}	2.07	2.38×10^{-2}
14	C	12.6057	14.3709	1.7652	11456	1145.6	1123.6	.128	636.5	7.00×10^{-3}	1.56	1.09×10^{-2}
23	D	11.6734	13.9849	2.3115	4228	422.8	400.8	.168	173.4	1.91×10^{-3}	1.77	3.38×10^{-3}
31	E	11.6161	13.2768	1.6607	9295	929.5	907.5	.120	546.5	6.01×10^{-3}	1.53	9.20×10^{-3}
[illegible]	F	11.7184	12.5799	.8615	10368	1036.8	1014.8	.062	1177.0	1.29×10^{-2}	1.26	1.63×10^{-2}
29	G	11.7345	15.2994	3.5649	3075	307.5	285.5	.258	80.1	8.81×10^{-4}	2.20	1.94×10^{-3}
[illegible]	N	12.8200	13.9301	1.1101	1982	198.2	176.2	.080	158.7	1.75×10^{-3}	1.34	2.35×10^{-3}
[illegible]	O	11.3488	12.8532	1.5044	974	97.4	75.4	.109	50.1	5.51×10^{-4}	1.13	6.23×10^{-4}
17	P	11.4393	12.1656	.7263	1091	109.1	87.1	.053	119.9	1.32×10^{-3}	0.70	0.92×10^{-3}
19	R	12.2017	14.0798	1.8781	6623	662.3	640.3	.136	340.9	3.74×10^{-3}	1.16	4.34×10^{-3}

NB

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	117	11.7	15.4	.109	50.1	5.51×10^{-4}	1.13	6.23×10^{-4}
17	P	11.4393	12.1656	.7263	1091	109.1	87.1	.053	119.9	1.32×10^{-3}	0.70	0.92×10^{-3}
19	R	12.2017	14.0798	1.8781	6623	662.3	640.3	.136	340.9	3.74×10^{-3}	1.16	4.34×10^{-3}
	C13											
7	14	11.5311	12.1328	1.6017	1185	118.5	96.5	.116	60.2	6.62×10^{-4}	1.14	7.53×10^{-4}
117	15		13.3909		1357	135.7	113.7					
21	16	13.1210	14.0197	.8987	1347	134.7	112.7	.065	125.4	1.38×10^{-3}	0.80	1.10×10^{-3}
10	18	11.8106	12.8685	1.0579	1045	104.5	82.5	.077	78.10	8.58×10^{-4}	0.90	7.72×10^{-4}
26	19	11.9296	12.9924	1.0628	806	80.6	58.6	.079	55.1	6.06×10^{-4}	0.90	5.45×10^{-4}
40	22	11.6499	14.1041	2.4542	1152	115.2	93.2	.178	37.9	4.17×10^{-4}	1.23	5.13×10^{-4}
5	24	11.8837	14.0416	2.1579	2343	234.3	212.3	.156	98.38	1.08×10^{-3}	1.19	1.29×10^{-3}
128	25	11.9833	17.6621	6.1788	4303	430.3	408.3	.448	66.08	7.27×10^{-4}	1.67	1.21×10^{-3}
27	26	12.2181	13.6252	1.4071	1484	148.4	126.4	.102	89.83	9.88×10^{-4}	1.12	1.11×10^{-3}
13	27	12.0618	14.8039	2.7421	818	81.8	59.8	.199	21.8	2.40×10^{-4}	1.25	3.00×10^{-4}
25	28	11.8619	14.6009	2.7390	629	62.9	40.9	.198	14.9	1.64×10^{-4}	1.24	2.03×10^{-4}
30	29	12.0221	14.8389	2.8168	1441	144.1	122.1	.204	43.3	4.76×10^{-4}	1.26	6.00×10^{-4}
39	30	13.5625	15.0055	1.4430	640	64.0	42.0	.105	29.1	3.20×10^{-4}	1.13	3.62×10^{-4}
14	32	12.3827	14.2037	1.8210	426	42.6	20.6	.132	11.3	1.24×10^{-4}	1.16	1.44×10^{-4}
16	33	11.5548	14.9284	3.3736	384	38.4	16.4	.244	4.86	5.35×10^{-5}	1.32	7.06×10^{-5}
22	34	10.8915	13.7594	2.8679	453	45.3	23.3	.208	8.12	8.93×10^{-5}	1.26	1.13×10^{-4}
15	35	11.7672	14.4920	2.7248	445	44.5	22.5	.197	8.26	9.09×10^{-5}	1.25	1.14×10^{-4}

Sample corrected cpm/cpm
source c for 5 min. = 12203
bkg = 32.4

D	A S	Tare	Gross	Net	TCounts	c/m	r/c/m	gm/cm²	c/m/g	μc/g	CF	CF/μc/g
13	1	12.0618	13.7616	1.6998	372	37.2	14.8	.123	8.7	9.57×10^{-5}		
31	2	11.6161	13.2796	1.6635	3416	3416.1	3393.7	.121	2040	2.24×10^{-2}	2.01	4.5×10^{-2}
27	5	12.2181	14.1268	1.9087	4294	4294.4	4272	.138	2238	2.46×10^{-2}	2.12	5.21×10^{-2}
29	6	11.7345	13.2345	1.5000	25809	2580.9	2558.5	.108	1720.6	1.89×10^{-2}	1.92	3.63×10^{-2}
20	7	12.8200	14.4450	1.6250	6875	687.5	665.1	.117	409.2	4.5×10^{-3}	2.00	9.0×10^{-3}
16	9	11.5548	13.1637	1.6089	6179	617.9	595.5	.116	370.1	4.07×10^{-3}	1.99	8.09×10^{-3}
*9a	10	12.2017	15.2055	3.0038	7807	780.7	778.5	.217	259.8	2.81×10^{-4}	2.75	3.93×10^{-2}
11	11	11.3498	13.7932	2.4434	2215	221.5	219.2	.177	856.5	9.42×10^{-3}	2.46	2.32×10^{-2}
~~10~~	12	11.8106	12.5360	.7254	9317	931.7	909.3	.053	1267	1.39×10^{-2}	1.22	1.69×10^{-2}
40	B	11.6499	13.1426	1.4927	21378	2137.8	2115.4	.108	1484	1.63×10^{-2}	1.47	2.39×10^{-2}
39	C	13.5625	14.8127	1.2502	9466	946.6	924.2	.091	739.2	8.13×10^{-3}	1.39	1.13×10^{-2}
23	D	11.6734	13.2362	1.5628	5894	589.4	567	.113	362.8	3.99×10^{-3}	1.49	5.95×10^{-3}
614	E	12.3827	13.9160	1.5333	5683	568.3	545.9	.111	356	3.91×10^{-3}	1.48	5.78×10^{-3}
12	F	11.4833	12.1933	.7100	13997	1399.7	1377.3	.051	1939.8	2.13×10^{-2}	1.21	2.58×10^{-2}
15	G	11.7672	13.3398	1.5726	9344	934.4	912.0	.114	579.9	6.38×10^{-3}	1.49	9.52×10^{-3}
A	N	12.0265	14.2221	2.1956	747	74.7	52.3	.158	23.8	2.62×10^{-4}	1.19	3.12×10^{-4}
5	O	11.8837	14.5366	2.6529	1152	115.2	92.8	.192	34.9	3.84×10^{-4}	1.18	4.53×10^{-4}
42	P	12.3906	13.4384	1.0478	1888.4	188.4	166	.075	1781	1.96×10^{-3}	1.08	2.04×10^{-3}
14	R	12.6057	14.1110	1.5053	8425	842.5	820.1	.108	546	6.03×10^{-4}	1.13	6.81×10^{-4}
17	14	11.4393	13.5139	2.0746	977	97.7	75.3	.150	36.2	3.98×10^{-3}	1.18	4.67×10^{-3}
21	15	13.1210	14.4288	1.3078	1235	123.5	101.1	.0946	77.5	8.52×10^{-4}	1.11	9.46×10^{-4}
3	16	11.3488	12.9350	1.5862	1030	103.0	80.6	.114	50.8	5.59×10^{-4}	1.14	6.37×10^{-4}
272	18	10.8915	11.4280	.5365	1024	102.4	80.0	.0389	149	1.64×10^{-3}	1.04	1.71×10^{-3}
7	19	11.6262	12.4708	.8501	1042	104.2	86.8	[illegible]	[illegible]	[illegible]	1.07	[illegible]

D	16	11.3488	12.4550	1.5862	1030	103.0	80.6	.114	50.8	5.59×10^{-4}	1.14	6.37×10^{-4}
272	18	10.8915	11.4280	.5365	1024	102.4	80.0	.0389	14.9	1.64×10^{-3}	1.04	1.71×10^{-3}
7	19	11.6262	12.4788	.8526	1082	108.2	85.8	.061	100.6	1.11×10^{-3}	1.07	1.19×10^{-3}
22	22	11.7184	13.6975	1.9791	921	92.1	69.7	.141	35.2	3.87×10^{-4}	1.17	4.53×10^{-4}
K	24	11.3696	12.5154	1.1458	1132	112.2	99.8	.083	87.1	9.58×10^{-4}	1.09 →	1.04×10^{-3}
26	25	11.9296	14.5528	2.6232	1335	133.5	111.4	.190	42.5	4.68×10^{-4}	1.24	5.8×10^{-4}
32	26	10.5523	13.4513	2.8990	683	68.3	45.9	.210	15.8	1.74×10^{-4}	1.26	2.19×10^{-4}
30	27	12.0221	14.3218	2.2997	665	66.5	44.1	.166	19.2	2.1×10^{-4}	1.21	2.54×10^{-4}
6	28	11.8988	13.0477	1.1489	477	47.7	25.3	.083	23.02	2.4×10^{-4}	1.10	1.21×10^{-4}
4	29	10.5587	12.7088	2.1501	728	72.8	50.4	.156	23.4	2.57×10^{-4}	1.19	3.06×10^{-4}
E	30	11.3498	12.2332	.8834	696	69.6	47.2	.064	53.4	5.87×10^{-4}	1.07	6.28×10^{-4}
F	32	13.5176	14.9281	1.4105	394	39.4	17.0	.102	12.1	1.33×10^{-4}	1.12	1.49×10^{-4}
9	33	12.3054	12.7156	.4102	408	40.8	16.4	.029	45.8	5.04×10^{-4}	1.03	5.19×10^{-4}
541	34	11.3761	13.0300	1.6539	434	43.4	21.0	.119	12.7	1.39×10^{-4}	1.14	1.58×10^{-4}
138	35	13.1632	15.1682	2.0050	1749	174.9	152.5	.145	76.1	8.37×10^{-4}	1.17 →	6.79×10^{-4}

Samples collected 10-2-[illegible] FRg - 20.2 c/m

source c for 5 min = 43,308 GF = .044

62

D	S	Tare	Gross	Net	T Counts	c/m	net c/m	gm/cm²	c/m/g	uc/g	CF	CF x uc/g
19	A 1	13.0486	15.8930	2.8444	7722	772.2	752.0	.206	265	2.7×10^{-3}	.266	7.19×10^{-3}
614	2	12.3827	15.3718	2.9891	65515	6551.5	6531.3	.217	2185	2.23×10^{-2}	.276	6.15×10^{-2}
272	5	10.8915	16.0242	5.1327	23680	2368.0	2347.8	.372	457	4.66×10^{-3}	3.61	1.68×10^{-2}
B	6	12.0618	14.8441	2.7823	12163	1216.3	1196.1	.200	430	4.38×10^{-3}	2.62	1.15×10^{-2}
614	9	12.3827	14.2755	1.8928	25957	2595.7	2575.5	.137	1362	1.39×10^{-3}	2.17	3.02×10^{-3}
3	10	11.3488	13.1690	1.8202	71063	7106.3	7086.1	.132	389	3.97×10^{-3}	2.12	8.41×10^{-3}
6	11	11.8988	14.5018	2.6030	80,322	8032.2	8012	.188	3081	3.19×10^{-2}	2.54	8.10×10^{-2}
9A	12	12.2017	13.8688	1.6671	33,971	3397.1	3376.9	.121	2022	2.06×10^{-2}	1.54	3.18×10^{-2}
29	C	11.7345	14.8394	3.1049	8510	851.0	830.8	.225	267	2.72×10^{-3}	2.05	5.58×10^{-3}
532	D	11.1061	12.2409	1.1348	10555	1055.5	1035.3	.082	908	9.26×10^{-3}	1.37	1.27×10^{-2}
4	E	10.5587	11.9566	1.3979	7497	749.7	729.5	.101	507	5.17×10^{-3}	1.45	7.52×10^{-3}
39	F	13.5625	14.9137	1.3512	3956	395.6	375.9	.098	278	2.84×10^{-3}	1.43	4.07×10^{-3}
A	B G	12.0265	13.1635	1.1370	10027	1002.7	982.5	.082	861	8.78×10^{-3}	1.37	1.20×10^{-2}
15	C N	13.3398	14.9795	1.6397	2637	263.7	243.5	.119	148	1.51×10^{-3}	1.14	1.72×10^{-3}
19	O	13.0486	16.5822	3.5336	1457	145.7	125.5	.227	35.8	3.65×10^{-4}	1.28	4.69×10^{-4}
39	P	13.5625	17.4281	3.8656	1307	130.7	110.5	.280	28.6	2.92×10^{-4}	1.37	3.99×10^{-4}
F	R	13.5176	15.4540	1.9364	5150	515.0	494.8	.139	255	2.6×10^{-3}	1.17	3.02×10^{-3}
608	13		15.4122		5834	583.4	561.2	.225				

F	R	13.5176	15.4540	1.9364	5150	515.0	494.8	.139	25.5	2.6×10^{-3}	1.17	3.02×10^{-3}
608	13		18.4122		5834	583.4	561.2	.285	[illegible]			
25	14	11.8619	15.7915	3.9296	1429	142.9	122.7	.285	31.2	3.18×10^{-4}	1.38	4.38×10^{-4}
30	15	12.0221	15.1961	3.1740	647	64.7	44.5	.230	14.1	1.43×10^{-4}	1.30	1.86×10^{-4}
27	16	12.2181	16.7650	4.5469	620	62.0	41.8	.330	9.2	9.38×10^{-5}	1.46	1.37×10^{-4}
B	18	12.0618	14.0597	1.9979	692	69.2	47.0	.145	24.6	2.51×10^{-4}	1.18	2.96×10^{-4}
31	19	11.6161	16.1961	4.5800	1080	108.0	97.8	.332	21.3	2.17×10^{-4}	1.47	3.19×10^{-4}
272	22	10.8915	15.1372	4.2457	1106	110.6	90.4	.307	21.2	2.16×10^{-4}	1.46	3.18×10^{-4}
32	25	10.5523	15.3808	4.8285	463	46.3	26.1	.350	5.4	5.51×10^{-5}	1.49	8.19×10^{-5}
29	27	11.7345	13.9980	2.2635	1866	186.6	166.4	.164	73.6	7.51×10^{-4}	1.21	9.08×10^{-4}
39	29	13.5625	14.4616	.8991	748	74.8	54.6	.065	61.3	6.26×10^{-4}	1.07	6.71×10^{-4}
30	30	12.0221	15.8876	3.8655	792	79.2	59.0	.281	15.2	1.55×10^{-4}	1.37	2.13×10^{-4}
27	31	12.2181	14.3424	2.1243	482	48.2	28.0	.155	13.2	1.34×10^{-4}	1.19	1.59×10^{-4}
39-A	32	13.5628	16.3187	2.7562	688	68.8	48.6	.199	17.7	1.81×10^{-4}	1.26	2.28×10^{-4}
532	33	11.1061	13.4136	2.3075	585	58.5	38.3	.168	16.5	1.68×10^{-4}	1.21	2.03×10^{-4}
6	34	11.8988	14.8916	2.9928	380	38.0	17.8	.217	58	5.92×10^{-5}	1.27	7.53×10^{-5}
4	35	10.5587	14.2829	3.7242	316	31.6	11.4	.229	3.06	3.12×10^{-5}	1.30	4.07×10^{-5}

Mud Survey October, 1946

Source "C" for 5" = 13,556

GF = .044
1.02×10^{-5}

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D	S	Tare	Gross	NET	T Counts	c/m	net c/m	GM/cm²	c/m/g	uc/g	CF	CF×uc/g
30A	1	12.0221	15.4222	3.4001	352	35.2	14.1	.246	103	1.05×10^{-5}	2.92	3.07×10^{-5}
19	2	13.0486	16.8290	3.7804	56055	5605.5	5584.4	.274	1447.2	1.51×10^{-2}	3.09	4.67×10^{-2}
31	5	11.6161	15.0472	3.4311	71540	7154.0	7132.9	.249	2078.5	2.12×10^{-2}	2.94	6.23×10^{-2}
15	6	13.3348	15.7126	2.3728	40465	4046.5	4025.4	.172	1696.4	1.73×10^{-2}	2.43	4.21×10^{-2}
16	9	11.5548	14.2095	2.6547	10580	1058.0	1036.9	.192	398.1	4.06×10^{-3}	2.56	1.04×10^{-2}
E	10	11.3495	[illegible]	4.1303	[illegible]	1632.8	1611.7	.299	390.2	3.98×10^{-3}	3.25	1.29×10^{-2}
7	11	11.6262	13.0548	1.4286	56174	5617.4	5596.3	.104	3917.3	3.99×10^{-2}	1.92	7.66×10^{-2}
117	12	12.5906	13.4777	1.0871	33490	3349.0	3328.9	.079	3062.1	3.12×10^{-2}	1.36	4.24×10^{-2}
12	C	[illegible]	14.8861	3.4028	20950	2095.0	2073.9	.246	609.4	6.22×10^{-3}	2.16	1.34×10^{-2}
532	D	11.1061	12.4[illegible]	1.3471	2969	296.9	275.8	.098	204.7	2.09×10^{-3}	1.44	3.01×10^{-3}
5	E	11.8824	14.[illegible]	2.8599	4606	460.6	439.5	.207	153.6	1.57×10^{-3}	1.96	3.08×10^{-3}
22	F	[illegible]	[illegible]	1.5712	[illegible]	352.9	331.8	.114	211.2	2.15×10^{-3}	1.52	3.27×10^{-3}
23	G	11.6734	13.[illegible]	2.3154	11731	1173.1	1152.0	.168	497.5	5.07×10^{-3}	1.78	9.02×10^{-3}
4	H	10.5[illegible]	13.[illegible]	2.7925	4035	402.5	381.4	.202	136.6	1.39×10^{-3}	1.26	1.75×10^{-3}
32	O	10.5523	14.99[illegible]	4.4438	4587	458.7	437.6	.328	98.5	1.01×10^{-3}	1.45	1.46×10^{-3}
34B	P	13.5625	13.3167	.2456	2667	266.7	245.6	.018	1000	1.02×10^{-2}	1.09	1.11×10^{-2}
3	R	[illegible]	[illegible]	2.4204	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

32	C	10.552	[illegible]	14.4438	[illegible]	452.7	437.6	.328	[illegible]	1.01×10^{-3}	1.45	1.46×10^{-3}	
39	B	14.5625	13.3169	.2456	2667	266.7	245.6	.018	1000	1.02×10^{-2}	1.09	1.11×10^{-2}	
3	R	11.3472	[illegible]	2.4204	5275	527.5	506.4	.175	209.2	2.13×10^{-3}	1.22	2.59×10^{-3}	
B	[illegible]	12.0610	[illegible]	2.3569	[illegible]	248.3	227.2	.171	96.4	9.83×10^{-4}	1.21	1.19×10^{-3}	
[illegible]	[illegible]	12.3827	15.[illegible]	3.5451	5024	502.4	481.3	.257	135.7	1.39×10^{-3}	1.28	1.78×10^{-3}	
[illegible]	[illegible]	11.[illegible]	16.[illegible]	4.3649	591	591.6	570.5	.317	130.6	1.34×10^{-3}	1.43	1.92×10^{-3}	
34	[illegible]	15.562	16.[illegible]	3.4165	735	73.5	52.4	.248	15.3	1.56×10^{-4}	1.33	2.07×10^{-4}	
[illegible]	[illegible]	[illegible]	[illegible]	3.6522	[illegible]	268.8	247.7	.264	67.8	6.92×10^{-4}	1.34	9.27×10^{-4}	
[illegible]	[illegible]	[illegible]	[illegible]	3.3570	422	42.2	21.1	.243	11.9	1.21×10^{-4}	1.32	1.59×10^{-4}	
[illegible]	[illegible]	12.3[illegible]	[illegible]	4.0386	[illegible]	37.6	16.5	.293	4.08	4.17×10^{-5}	1.39	5.79×10^{-5}	
[illegible]	[illegible]	[illegible]	[illegible]	4.0373	[illegible]	98.5	77.4	.293	19.2	1.96×10^{-4}	1.39	2.72×10^{-4}	
[illegible]	[illegible]	[illegible]	[illegible]	2.8852	[illegible]	427.8	406.7	.209	140.9	1.44×10^{-3}	1.27	1.83×10^{-3}	
[illegible]	[illegible]	11.3492	15.[illegible]	4.5442	2123	212.3	191.2	.329	42.1	4.29×10^{-4}	1.45	6.22×10^{-4}	
A	[illegible]	12.0265	15.[illegible]	3.8072	1160	46.6	25.5	.276	6.7	6.84×10^{-5}	1.37	9.37×10^{-5}	
	[illegible]												
E	33	13.5176	12.[illegible]	4.5890	422	42.2	21.1	.332	4.6	4.69×10^{-5}	1.46	6.85×10^{-5}	
26	34	11.9296	15.5284	3.8988	323	32.3	11.2	.282	2.9	2.96×10^{-5}	1.37	3.05×10^{-5}	
6	[illegible]	12.1423	[illegible]	3.2568	32.5	32.5	11.4	.236	3.5	3.57×10^{-5}	1.31	4.68×10^{-5}	

MUD — NOV. 1946

Jan. Feb.

Source "C" = 12,017 1.12×10^{-5}

D	S	Tare	Gross	Net	T. Cts.	C/m	net C/m	cm/cm²	C/m/g	ac/g	CF	CF×ac/g
19	1	13.0486	16.7617	3.7131	428	428	20.4	.269	5.5	6.16×10^{-5}	3.08	1.89×10^{-4}
3	2	11.3488	14.8721	3.5233	5132.5	5132.5	5112.1	.255	1456.7	1.63×10^{-2}	2.98	4.85×10^{-2}
29	5	11.7345	15.8341	4.0996	3703.8	3703.8	3683.8	.297	898.5	9.06×10^{-3}	3.27	2.96×10^{-2}
532	6	11.1061	13.7114	2.6053	2725.6	2725.6	2706.2	.188	1038.7	1.16×10^{-2}	2.52	2.92×10^{-2}
39	9	13.5625	16.6196	3.0571	1263.1	1263.1	1242.7	.221	406.5	4.55×10^{-3}	2.76	1.26×10^{-2}
F	10	13.5176	17.0941	3.5765	1348.7	1348.7	1328.3	.259	371.4	4.16×10^{-3}	3.00	1.25×10^{-2}
14	11	11.4393	14.6734	3.2341	6234.1	6234.1	6213.7	.234	1921.3	2.15×10^{-2}	2.84	6.21×10^{-2}
A	12	12.0265	13.1468	1.1203			7332	.077	6544.6	7.33×10^{-2}	1.34	9.82×10^{-2}
* 29	C	11.7345	13.5752	1.8407			1053	.133	574	6.43×10^{-3}	1.60	1.03×10^{-2}
A	D	12.0265	13.9958	1.9697			744	.143	368	4.12×10^{-3}	1.64	6.74×10^{-3}
30A	E	12.0221	14.4498	2.4277			2595	.176	1068	1.19×10^{-2}	1.81	2.17×10^{-2}
	F											
532	G	11.1061	12.9147	1.8086			1816	.131	1005	1.12×10^{-2}	1.59	1.78×10^{-2}
3	N	11.3488	12.6513	1.3025			1783	.094	1373	1.53×10^{-2}	1.12	1.71×10^{-2}
4	O	10.5587	13.9168	3.3581			385	.242	114	1.28×10^{-3}	1.32	1.69×10^{-3}
3	N		12.6513									
4	O		13.9168									
7	P	11.6262	15.3813	3.7551			1784	.271	476	4.33×10^{-3}	1.36	5.88×10^{-3}

	11		12.6913								
4	0		13.9468								
7	P	11.6262	15.3813	3.7551	1784	.271	476	4.33×10^{-3}	1.36	5.88×10^{-3}
16	R	11.5548	14.9607	3.4059	1023	.247	301	3.37×10^{-3}	1.33	4.47×10^{-3}
5	13	11.8837	14.7328	2.8491	277	.206	97.7	1.09×10^{-3}	1.26	1.38×10^{-3}
15	14	13.3398	15.0612	1.7214	543	.125	315	3.53×10^{-3}	1.15	4.06×10^{-3}
12	15	11.4833	15.6926	4.2093	90	.306	22	2.48×10^{-4}	1.42	3.50×10^{-4}
19	16	13.0486	17.2784	4.2298	69	.307	16	1.79×10^{-4}	1.42	2.54×10^{-4}
F	18	13.5176	17.5021	3.9845	228	.289	57	2.87×10^{-4}	1.39	3.99×10^{-4}
E	19	11.3499	14.3918	3.0420	191	.27	63	7.05×10^{-4}	1.28	9.02×10^{-4}
17	24	11.4393	16.0868	4.6475	39	.337	8.4	9.41×10^{-5}	1.47	1.38×10^{-4}
21	25	13.1210	18.5456	5.4246	289	.393	54	6.05×10^{-4}	1.56	9.45×10^{-4}
	27	[illegible]								
	29									
	30									
* 272	B	10.8915	11.7576	.866	1470	.628	1698	1.90×10^{-2}	2.05	3.89×10^{-2}

Mud Survey - June 1947 Source C' for 5 min

12,429

area 13.8 cm²

GF = .041

= net wt / 13.8

= c/m / net wt

Dsl	S No.	Tare	Gross wt	Net wt	Net c/m	gm/cm²	c/m/G	uc/G	CF	CF x uc/g
4	1	10.567	13.61	3.05	39.-	.22	13	1.42×10^{-4}	2.75	3.91×10^{-4}
15	2	13.35	14.92	1.57	2679	.11	1763	1.92×10^{-2}	1.95	3.75×10^{-2}
E	5	11.35	14.11	2.76	1305	.20	473	5.16×10^{-3}	2.66	1.37×10^{-2}
*13	6	12.06	15.09	3.03	3743	.22	1235	1.35×10^{-2}	2.75	3.71×10^{-2}
F	9	13.52	16.01	2.49	19,115	.18	7680	8.5×10^{-2}	2.48	2.08×10^{-1}
614	10	12.41	13.91	1.50	30,240	.11	20,100	2.19×10^{-1}	1.95	4.27×10^{-1}
3	11	11.66	13.78	2.12	8781	.15	4141	4.5×10^{-2}	2.25	1.01×10^{-1}
27	12	12.22	13.91	1.79	6132	.13	3369	3.67×10^{-2}	1.59	5.85×10^{-2}
7	C	11.90	12.96	1.06	60,545	.08	57,200	6.23×10^{-1}	1.35	8.41×10^{-1}
12	D	11.68	12.76	1.08	79,557	.08	73,700	8.04×10^{-1}	1.35	1.08
A	E	12.02	14.61	2.59	35,624	.19	13754	1.49×10^{-1}	1.88	2.8×10^{-1}
	F									
	G									
532	N	11.07	13.28	2.21	4,119	.16	1860	2.03^{-2}	1.20	2.44×10^{-2}
22	O	11.69	13.82	2.13	4177	.15	1960	2.1×10^{-2}	1.19	2.51×10^{-2}
16	P	11.54	13.10	1.56	4,698	.11	3011	3.28×10^{-2}	1.13	3.72×10^{-2}
F	R	11.35	12.81	1.45	5082	.11	3504	3.81×10^{-2}	1.13	4.30×10^{-2}
6	13	11.91	13.68	1.77	2821	.13	1594	1.74×10^{-2}	1.16	2.02×10^{-2}

F	R	11.35	12.81	1.45	5082	.11	3504	3.81×10^{-2}	1.13	4.30×10^{-2}
6	13	11.91	13.68	1.77	2821	.13	1594	1.74×10^{-2}	1.16	2.02×10^{-2}
F(tkg)	14	12.28	15.37	3.09	7666	.22	2481	2.7×10^{-2}	1.28	3.45×10^{-2}
3	15	11.66	15.35	3.69	1799	.28	488	5.32×10^{-3}	1.38	7.34×10^{-3}
8-A	16	12.21	15.90	3.69	930	.28	252	2.75×10^{-3}	1.38	3.79×10^{-3}
13	18	12.04	16.90	4.84	711	.35	149	1.60×10^{-3}	1.49	2.38×10^{-3}
A'	19	12.02	17.25	5.23	674	.38	129	1.40×10^{-3}	1.55	2.17×10^{-3}
24	22	12.22	17.53	5.31	1855	.38	349	3.80×10^{-3}	1.55	5.89×10^{-3}
31	24	11.63	17.73	6.10	382	.44	63	6.87×10^{-4}	1.65	1.13×10^{-3}
*272	7	10.61	12.71	2.10	49,073	.15	23,368	2.55×10^{-1}	2.25	5.74×10^{-1}

$$G.F. = \frac{\text{source "C" for 5 min}}{3000} = \div 100 = \%\ G.F.$$

$$\mu c/g = \frac{1}{3.7\times60\times10^{4}\times G.F.}\times c/m/g$$

Samples collected 3-25-46

Source "C" - 11072 .037 = G.F.

Counted samples 3-27-46 1:00 P.M.

DISH	SAMPLE	TARE	GROSS	NET	B.G.	T.COUNT	c/m	NET c/m	GM/CM²	c/m/GM	MC/GM (1.20 X 10⁻⁵)	CORR.	MC/GM
4	6	10.5587	13.8509	3.2922	20.8	11493	2298.6	2277.8	.248	689	8.27×10^{-3}	2.73	2.26×10^{-2}
11	2	11.3498	20.2319	8.8821	20.8	55,311	11062.6	11041.8	.443	1238	1.47×10^{-2}	4.55	6.69×10^{-2}
23	4	11.6734	14.5581	2.8847	20.8	23,339	4667.8	4647	.207	1600	1.92×10^{-2}	2.66	5.11×10^{-2}
6	1	11.8988	18.3556	6.4368	20.8	173	34.6	1.38	.466	.004	—		

DATE	HOUR	SAMPLE	B.G.	TOTAL COUNTS	C/m	SOURCE "C"
3-20-46	1:00 P.M.	15	12.8	4441	888.2	8925
3-21-46	4:00 P.M.	15	19.4	7032	1406.4	10635
3-22-46	2:00 P.M.	15	11.4	5122	1024.4	9633
3-24-46	9:20 A.M.	15	12	4892	978.4	9827
3-25-46	10:30 A.M.	15	14.2	4926	985.2	10206
3-26-46	1:30 P.M.	15	15.3	4711	942.2	9132
3-27-46	3:30 P.M.	15	20.6	29330	5866.0	11010
3-28-46	2:30 P.M.	15	21.5	26791	5354.2	11058
~~3-1-46~~			~~18.6~~			17035

DATE	HOUR	SAMPLE	B.G.	TOTAL counts	c.p.m.	SOURCE "C"
3-20-46	1:00 P.M.	19	12.8	67	13.4	8925
3-21-46	4:00 P.M.	19	19.4	123	24.6	10635
3-22-46	2:15 P.M	19	11.4	21	4.2	9633
3-24-46	9:30 am	19	12	20	4	9827
3-25-46	10 a.m.	19	14.2	42	8.4	10206
3-26-46	1:00 P.M	19	15.3	19	3.8	9132
3-27-46	3:30 P.M.	19	20.6	192	39.2	11010
3-28-46	2:30 P.M.	19	21.5	203	40.6	11058

DATE	HOUR	SAMPLE	B.G.	TOTAL COUNTS	C/m	SOURCE "a"
3-20-46	1:15 P.M.	29	12.8	3	.6	8925
3-21-46	4:15 P.M.	29	19.4	178	35.6	10635
3-22-46	2:30 P.m	29	11.4	27	5.4	9633
3-24-46	9:40 am	29	12	25	5	9821
3-25-46	10:20 am	29	14.2	45	9	10206
3-26-46	1:20 P.m	29	15.3	27	5.4	7132
3-27-46	3:40 P.M.	29	20.6	232	46.4	11010
3-28-46	2:30 P.m.	29	21.5	254	50.8	11058

DECAY CURVE

Sample A - Swamp

J min

B.G. J m total c/m	DATE	HOUR	Total Counts	c/m	SOURCE "C"	SAMPLE
29	2-3-46	9:30 A.M.	40,345	8069	11020	19
31	2-5-46	9.30 A.M.	36557	7312	11095	19
31	2-6-46	9:30 A.M.	21737	4348	—	19
31	2-7-46	9:30 A.M.	24603	4921	1376	19
ORV 1030 [illegible]6	2-28-46	9:30 AM	269	53.8	43287 J m	19
21.4	3-1-46	2.40 Pm	254	50.8	6036 28185 J m	19
21.6	3-4-46	9:45 Am	286	57.3	12462	19
20.7	3-5-46	9:40 am	239	47.8	12183	19
21.8	3-6-46	9:35 am	232	46.4	12326	19
23.6	3-7-46	9:00 am	229	45.8	13187	19
20.6	3-8-46	11:00 am	291	58.2	13198	19
20.2	3-11-46	9:55 am	211	40.22	13440	19
20.0	3-12-46	12:58 pm	231	46.2	12760	19
23.2	3-14-46	1:00 pm	274	54.8	13171	19
21.2	3-15-46	2:40 Pm	284	56.8	12944	19
18.8	3-18-46	11:30 am	233	56.6	13232	19

J m total

Sample B - Intermediate Pond

J m

Sample B - Intermediate Pouch

B.G. c/m (√m. total)	DATE	HOUR	T.C.	c/m	Sonar "C" (√m.)	Sample
29	2-3-46	10:00 AM	40621	8124	11020	15
24	2-9-46	10:00 am	23232	4646	13158	15
19.6	2-28-46	9:45	39941	7988.2	13287 √m.	15
21.4	3-1-46	2:45 PM	39916	7983.2	28185 √m	15
21.6	3-4-46	9:50 am	38625	7725	12,462	15
20.7	3-5-46	10:00 am	38524	7704.8	12,483	15
21.8	3-6-46	9:45 am	38204	7640.8	12326	15
23.6	3-7-46	9:20 am	38707	7741.4	13,187	15
20.6	3-8-46	11:15 am	38811	7762.2	13,198	15
20.2	3-11-46	9:50 am	38464	7692.8	13440	15
20.0	3-12-46	1:05 PM	37310	7462.0	12760	15
23.2	3-14-46	1:10 PM	35627	7125.4	13171	15
21.2	3-15-46	1:00 PM	36726	7345.2	12944	15
18.8	3-15-46	1:40 PM	34684	6936.8	13232	15

Lake

5 min

BG	Date	Hour	Tot Counts	C/m	Source "C"	Sample
2.9	2-3-46	10:30am	752	75.2	11020 5m	29
19.6	2-28-46	9:55am	297	59.4	13287	29
21.4	3-1-46	3:00Pm	325	65	28185	29
21.6	3-4-46	9:30am	315	63	12462	29
20.7	3-5-46	9:30am	310	62	12183	29
21.8	3-6-46	9:55am	302	60.4	12326	29
23.6	3-7-46	9:10am	294	58.8	13187	29
20.6	3-8-46	11:30am	284	56.8	13198	29
20.2	3-11-46	10:05am	300	60.0	13440	29
20.0	3-12-46	12:50pm	312	62.4	12760	29
19.0	3-13-46	1:10Pm	314	60.3	12836	29
23.2	3-14-46	1:05pm	315	63.0	13171	29
21.2	3-15-46	1:00Pm	274	54.8	12444	29
18.8	3-18-46	11:30am	242	48.4	13232	29

ABSORPTION

Source "C" - 11095 5 min

18.8	3-18-46	11:30 am	242	4.8.4	13232	29	

ABSORPTION

Source "C" 1/095 5 min

DISH	SAMPLE	B.G.	ABSORBER II		cm	TOT. COUNTS		C/m	SOURCE "C"
19	A	31	1680	.246	.625	788	5 MIN.	158	1095
19	A	31	840	.121	.313	1243	5 MIN	249	
19	A	31	555	.081	.206	2324	5 MIN	465	
19	A	31	268	.039	.099				

SOURCE "C" 5 Min. 11020

Scrumps 2-3-46 2204 C/M

DISH	SAMPLE	D.W.	T.W.	N.W.	B.G (C/M)	T.C. 5 min.	$\bar{T}$ m	N.C.M	Gm/cm²	Ratio
39	A	13.5626	14.0001	.4375	29	12864	2573	2549	.0316	
28	A	11.6204	12.6502	1.0298	29	22,331	4466	4437	.0749	
23	A	11.6734	13.4628	1.7894	29	32,272	6454	6425	.129	
19	A	13.0486	15.5335	2.4849	29	40,345	8069	8043	.180	←
7	A	11.8907	15.4650	3.5743	29	45,901	9180	9151	.259	
14	A	12.6057	18.5690	5.9633	29	58,370	11674	11645	.433	
					Int. Pond					
31	B	11.6161	12.0387	.4226	29	10615	2123	2094	.0305	
6	B	11.8988	12.5337	.6349	29	12946	2589	2560	.0459	
27	B	12.2181	13.6093	1.3912	29	[illegible]	[illegible]	[illegible]	[illegible]	

							[illegible]	[illegible]	.0457
27	B	12.2181	13.6093	1.3912	29	25677	5123	5094	.101
20	B	12.8200	14.5193	1.6993	29	28622	5724	5695	.123
13	B	12.0618	14.2375	2.1757	29	30818	6162	6135	.157
15	B	11.7672	15.6673	3.9001	29	40621	8124	8095	.283
					Lake				
12	C	11.4833	12.1839	.7006	29	10 min 439	43.9	14.9	.0506
17	C	11.4393	12.2360	.7967	29	459	45.9	16.9	.0576
1	C	11.5311	12.9536	1.4225	29	10 min 563	56.3	27.3	.103
5	C	11.8837	14.5359	2.6522	29	10 592	59.2	30.2	.192
29	C	11.7345	14.9539	3.2194	29	752	75.2	46.2	.232
2	C	11.6266	18.9340	7.3074	29	744	74.4	45.4	.521

SOURCE "C" 11095' 5 min. 2-5-46

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Dish	Sample	B.G.	MG/cm$_2$ ABSORBER	Total counts	C/m
19	A	31	0	36557	7312
19	A	31	3.2	35645	7129
19	A	31	6.9	36234	7247
19	A	31	20	33711	6744
19	A	31	39.6	26969	5394
19	A	31	55.5	23682	4736
19	A	31	72	21560	4312
19	A	31	6 MIN. 92	19200	3840
19	A	31	112	16837	3367
19	A	31	136.5	14234	2847
19	A	31	216	9383	1877
19	A	31	355	4830	966
19	A	31	438	3548	710

Fl.	T.C.	C/M.			
19	↑	31	544	2413	483
1127.5	875	175	255.6	7202	1440 ←
717	1571	316	615	2023	405
992.5	1020	204	308	5815	1163 ←
1012	945	189	697	1605	321
1023.5	985	197	752.5	1282	256
970	1011	202	913	1058	212
873.1	1134	227	~~1052~~	~~[illegible]~~	~~162~~
928	1185	237	1284	867	173
829	1356	271	1694	800	162
727	1707	341	856	1221	244
747	1548	310	1213	860	172
656	1873	375	760	1305	261
2115	780	156	792.5	1311	262
3809	695	139	1144	880	176
4214	718	143	736.6	1379	276
2520	796	159			

$n_0 = 9.4 \times 10^{-2}$

	N.W	C/m/gm	NET C/m	η C/gm	Gm/cm²	$\frac{n_0}{\eta}$
39	.4375	5875	2573	7.250×10^{-2}	.0316	1.30
28	1.0298	4340	4466	5.35×10^{-2}	.0749	1.76
23	1.2894	3610	6454	4.45×10^{-2}	.129	2.11
19	2.4849	3245	8069	4.01×10^{-2}	.180	2.34
7	3.5743	2570	9180	3.17×10^{-2}	.259	2.97
14	5.9633	1954.5	11674	2.41×10^{-2}	.433	3.90
				$n_0 = 16.4 \times 10^{-2}$		
31	.4226	5035	2123	6.20×10^{-2}	.0305	
6	.6349	4070	2589	5.04×10^{-2}	.04159	
27	1.3912	3680	5123	4.54×10^{-2}	.101	
20	1.6993	3365	5724	4.15×10^{-2}	.123	
13	2.1757	2840	6164	3.50×10^{-2}	.157	
15	3.9001	2083	8124	2.56×10^{-2}	.283	

2.15×10^{-1}

			2.95×10^{-4}	
.7006	21.215	14.9	2.62×10^{-4}	.0506
.7967	21.20	16.9	2.62×10^{-4}	.0516
1.4225	19.15	27.3	2.36×10^{-4}	.103
2.6522	11.40	30.2	1.41×10^{-4}	.192
3.2194	14.35	46.2	1.76×10^{-4}	.232
7.3074	6.225	45.4	7.67×10^{-5}	.521

#19- sample A

2/6/46 (third shelf)

Source C-
B. G. - 31 C/M

Absorber (mg/cm²)	Total Count (5 min)	C/M	Absorber (mg/cm²)	Total Count (5 min)	C/M
0	21737	4348			
7576	376	75			
5882	384	77			
3362	483	97			
2520	492	98			
2115	495	99			
1694	507	101			
1796	496	100			
1553	507	101			
1471	570	114			
1351					
1261					

2/7/46 Lish # 19 Sample I

(third shelf)

B.G. - 31 C/M
Source C - 1376 C/M

Absorber (mg/cm²)	Total Count 5 min.	C/M	Absorber (mg/cm²)	Total Count (5 min)	C/M
0	24603	4921	112	10360	2072
7576	380	76	72	13302	2660
5882	409	82	40	17075	3415
3362	462	92	20	20188	4038
2520	524	105	0	25082	5016
2115	532	106			
1786	575	115			
1694	530	106			
1553	525	105			
1312	565	113			
1159	578	117			
856	768	154			
1072	602	120			
993	619	124			
1284	570	114			
1471	534	107			
1400	548	110			
697	997	200			
544	1589	318			
428	2294	459			
799	835	171			
216	5875	1175			

2/9/46 Dish * 15 Sample B

(third shelf)

B.G. - 24 C/M

Source C - 1358 C/M

Absorber (mg/cm²)	Total Counts (5 min)	C/M	Absorber (mg/cm²)	Total Count (5 min)	C/M
0	23232	4646	20	19780	3956
7576	368	74	0	23762	4752
5882	424	85			
3362	485	97			
2520	510	102			
2115	542	108			
1786	529	106			
1694	542	108			
1471	545	109			
1312	545	109			
1159	590	118			
972	680	136			
856	795	159			
697	1117	223			
544	1758	352			
428	2780	556			
355	3648	730			
216	6540	1308			
112	10880	2176			
72	13738	2748			
40	16785	3357			

DISH	Sample	D.W	T.W.	N.W.	B.G.	T.C. (5 min)	C/m	N.C.M.	G/m/cm²	C/M/g
31	B	11.6161	11.7793	.1632	31	3875	775	744	.0118	4550
6	B	11.8988	12.1447	.2459	31	5428	1086	1051	.0178	4285
27	B	12.2181	12.9148	.6967	31	12981	2596	2565	.0504	3680
20	B	12.8200	14.4215	1.6015	31	24000	4800	4769	.1162	2975
13	B	12.0618	14.4218	2.3600	31	30611	6122	6091	.1710	2580
15	B	11.7672	17.6365	5.8693	31	45735	9147	9116	.4250	1552
						Pulse (10 min)				
39	3 C	11.4833	13.7795	2.2962	33	354	35	2	.1672	1.53
28	1 C	11.4393	12.1725	.7332	33	384	38	5	.0531	6.84
23	2 C	11.5311	13.3640	1.8329	33	485	49	16	.1329	8.73
19	C	11.8837	15.5255	3.6418	32	535	54	22	.2640	6.04
7	C	11.7345	15.7625	4.0280	32	532	53	21	.2920	5.21
14	C	11.6266	21.8180	10.1914	34	657	66	32	.7375	3.14

Source C- 2540 C/M

Distance from top of core

	Dist
Top	2
2"	2
4"	3
6"	1
8"	F
Top	3
1	2
2	A
3	W
4	4

Sample B

$$G.F. = \frac{12540}{3000} = 4.18\%$$

g/cm^2	C/M/g	$\mu c/g \times 10^{-5}$	n_0/n
.0118	4550	4900	1.01
.0178	4285	4100	1.08
.0504	3680	3960	1.25
.1162	2975	3200	1.55
.1710	2580	2780	1.78
.4250	1552	1670	2.97

$\mu c/g = 1.078 \times 10^{-5} \times C/M/g$

$n_0 = 4950 \times 10^{-5}$

Sample C

g/cm^2	C/M/g	$\mu c/g \times 10^{-5}$	n_0/n
.0531	6.84	7.35	1.06
.1329	8.73	9.40	.83
.1672	1.53	1.65	4.71
.2640	6.04	6.50	1.20
.2920	5.21	5.60	1.39
.7375	3.14	3.38	2.30

$n_0 = 7.78 \times 10^{-5}$

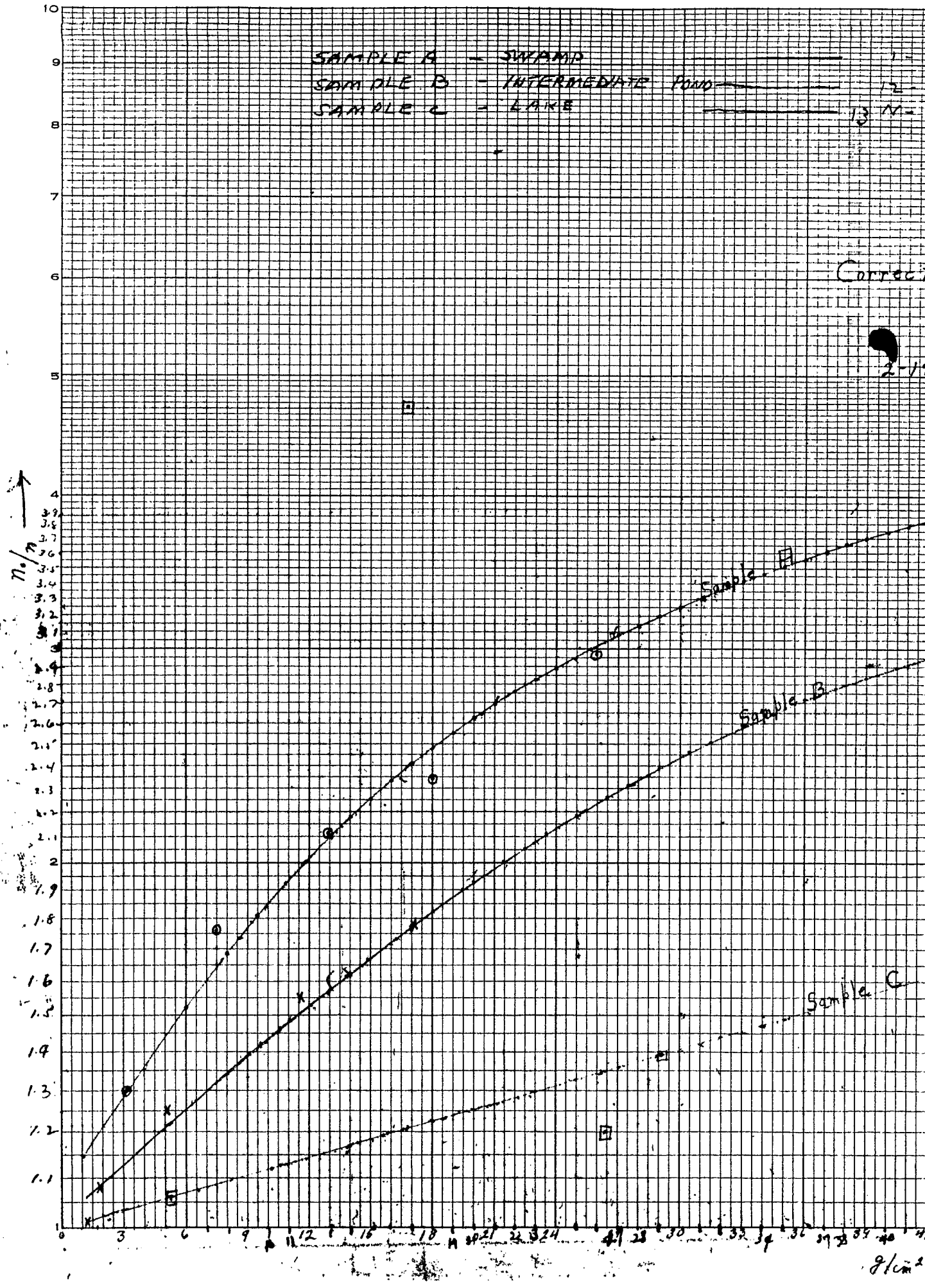
Distance From Top of Core, 52' 324°m 92' 340°m. INTERMEDIATE POND.

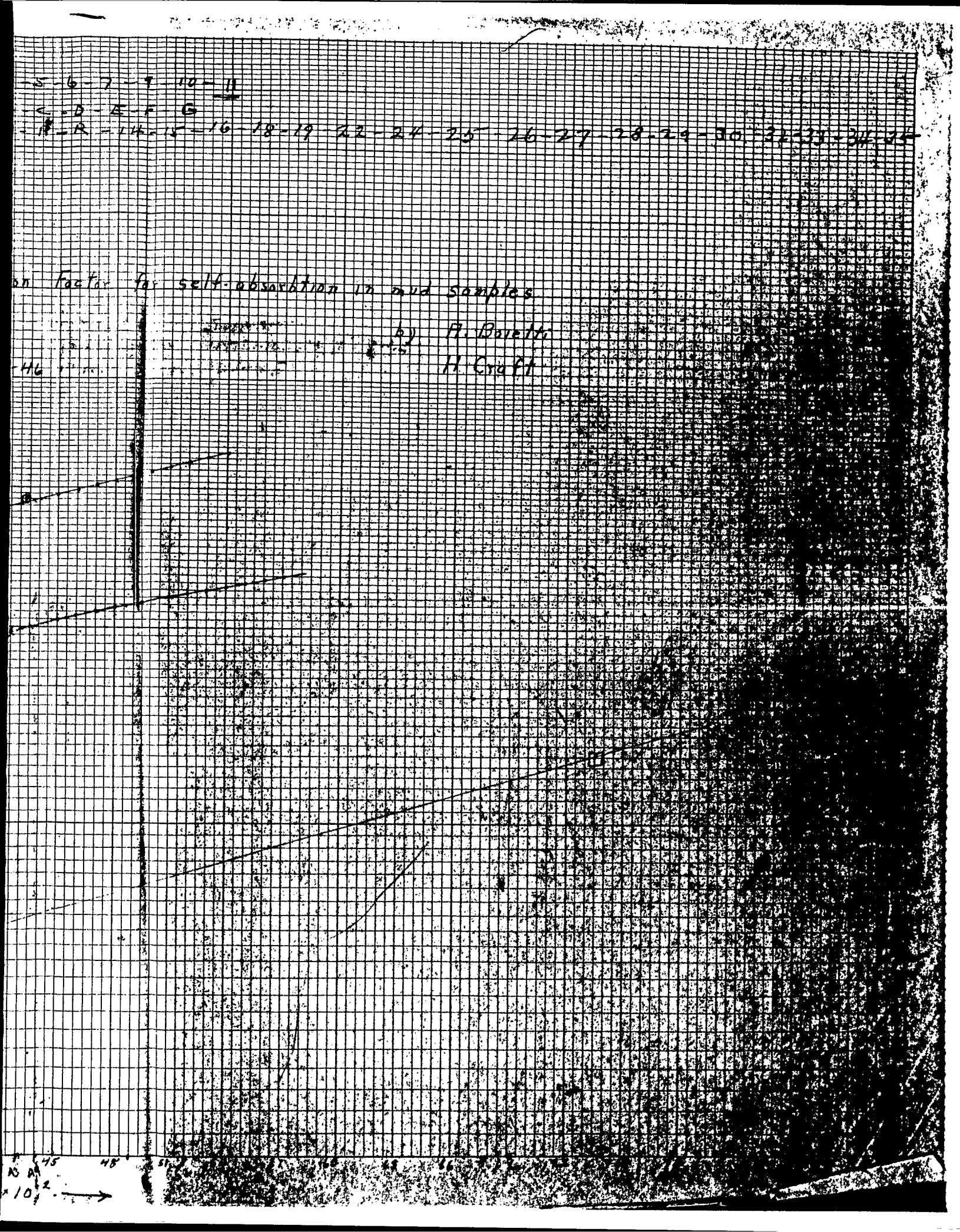
	Dish	station c/10m 1		3	4			
Top	29							
2"	2							
4"	30							
6"	14							
8"	F							
Top	31	station 2						
1	272							
2	A							
3	25							
4	4							
		station 3						

C/M/g

10^{-5}

10^{-5}


SAMPLE A - SWAMP
SAMPLE B - INTERMEDIATE POND
SAMPLE C - LAKE
Sample A
Sample B
Sample C
n_0/n
g/cm²
EUGENE DIETZGEN CO.
MADE IN U.S.A.
NO. 340D-L112 DIETZGEN GRAPH PAPER
SEMI-LOGARITHMIC
1 CYCLE X 12 DIVISIONS PER INCH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-C-D-E-F-G
-11-R-14-15-16-18-19-22-24-25-26-27-28-29-30-32-33-34-35
on Factor for self-absorbtion in mud samples
by A. Boietti
H. Craft
-46
45
48
51
60
63
66
$\times 10^2$

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STRATIFICATION SAMPLING at INTERMEDIATE POND

Since S.M. 19,026 G.F. X

Dish	SAMPLE	DEPTH	TARE	GROSS	NET	c/10m	c/m	MINUTE N. COLIGATS	Gm/cm
29	1	TOP	11.73	14.57	2.84	11,149	1114.9	1102.1	.20
12		2"	11.48	14.60	3.12	3456	345.6	332.8	.22
30		4"	12.02	13.64	1.62	975	97.5	84.7	.11
14		6"	12.60	14.49	1.89	659	65.9	53.1	.13
F		8"	13.52	14.94	1.42	604	60.4	47.6	.10
31	2	TOP	11.62	14.08	2.46	1269	126.9	114.1	.178
2		1"	10.89	12.78	1.89	833	83.3	70.5	.137
1		2"	12.03	15.17	3.14	660	66	43.2	.22
25		3"	11.86	15.32	3.46	413	41.3	28.5	.25
64		4"	10.59	12.75	2.16	628	62.8	50	.15
40	3	TOP	11.64	13.76	2.12	10,268	1026.8	1014	.154
39		2"	13.56	16.97	3.41	4281	428.1	415.3	.246
23		4"	11.67	14.53	2.86	3596	359.6	346.8	.20
614		6"	12.38	13.94	1.46	4218	421.8	409	.106
12		8"	11.48	13.30	1.82	722	72.7	59.9	.13
15		10"	11.76	13.05	1.29	61	6.-	—	.09

Cont'd on Page 137

7.51×10^{-6}

Gm/cm²	c/m/gm	μc/c/gm	C.F.	c. μc/c/gm
.205	391	2.94×10^{-3}	1.95	5.73×10^{-3}
.227	109	8.18×10^{-4}	2.08	1.69×10^{-3}
.118	52.4	3.93×10^{-4}	1.4[illegible]	[illegible]
.137	28.4	2.13×10^{-4}	1.57	3.34×10^{-4}
.103	335	2.51×10^{-3}	[illegible]	[illegible]
.178	46.4	3.48×10^{-4}	1.84	6.42×10^{-4}
.137	37.3	2.79×10^{-4}	1.57	4.38×10^{-4}
.228	13.7 ?	1.03×10^{-4}	2.08	2.15×10^{-4}
.250	8.24	6.18×10^{-5}	2.18	1.34×10^{-4}
.156	23.2	1.74×10^{-4}	1.72	2.99×10^{-4}
.154	478	3.59×10^{-3}	1.7	6.1×10^{-3}
.246	121.5	9.12×10^{-4}	2.16	1.97×10^{-3}
.206	121	9.12×10^{-4}	1.95	1.78×10^{-3}
.106	281	2.11×10^{-3}	1.47	3.1×10^{-3}
.132	329	2.39×10^{-3}	1.6	3.82×10^{-3}
.093	—			

wt. of glass dish = 172.5 gm.

MODFLATS

(1) Dish	(2) Sample	(3) Location	(4) Wet wt. of core	(5) wet wt. of sample	(6) Dry wt. of sample	(7) wet wt / dry wt	(8) % H_2O (Rep. sample)	(9) (4)×(8) wt. of H_2O equiv. Rep. sample	(10) dry wt of core / wet wt of core	(11) wt. water / wet wt. of core	(12) (10)×(11)/gm	LTH core
	M1		594	336.1	336.5	39.5	10.5%	62.4	531.6	.116	53.1	6"
272	M2		545.5	228.5	147.6	80.4	35.2%	119.2	353			6.5"
40	M8		699	358.6	337.5	21.1	13.5%	83.5	535.5	.17	7.8	6"
39	M3		349	252.4	220.9	31.5	12.5	143.6	305.4	.04	1.84	3½
	1018		326	200.8	163.4	37.4	18.7	161.2	259	.108	4.96	3
23	M4		354	261.4	165.3	96.1	36.8%	130	224	.033	1.53	4"
614	M5		228	128.6	104	24.6	19.2	43.6	184.4	.060	2.75	2¾
	1017		189	108	77.1	30.9	28.6	54.1	134.9	.182	8.25	2
12	M6		177	99.8	61.3	38.5	38.5	68.2	108.8	.018	.823	2
15	M7		350	241	189.6	51.4	21.3	74.5	375.5	.099	4.33	4"
9	M9		613	195.8	173.2	22.6	11.5	76.3	586.7	.209	9.59	8
5	M10		624	204.6	178.5	26.1	12.8	79.9	544.1	.202	9.26	8"
12	M11		573	300.1	288.9	11.2	3.73	213.5	359.5	.155	7.21	7½
21	M12		562	328	316.1	11.9	3.6	217.5	344.5	.292	13.4	6½
	1019		541	361	350.2	10.8	30.1	165.5	375.5	.244	11.2	6

Mud + Core 17,640 [illegible]

B.G. 19.2

D	S	Tare	gross	net	T/c	c/m	N/cm	Gm/cm²	c/m/g	μc/g	C.F.	μc/gm
14	M 2	12.61	15.28	2.67	192	19.2						
272	M 8	10.89	16.38	5.49	257	25.1	5.9	.194	4.55	3.56×10^{-5}	1.24	3.19×10^{-5}
40	M 1	11.64	14.31	2.67	834	83.4	64.2	.1882	24.1	1.78×10^{-5}	1.23	2.19×10^{-4}
39	M 3	13.56	16.71	3.15	638	63.8	44.6	.2382	14.6	1.05×10^{-5}	1.32	1.46×10^{-4}
23	M 4	11.67	14.27	2.60	592	59.2	40.0	.1884	15.4	1.20×10^{-5}	1.23	1.47×10^{-4}
614	M 5	12.38	14.77	1.39	676	67.6	48.4	.1008	34.8	2.91×10^{-5}	1.13	3.29×10^{-4}
12	M 6	11.48	14.59	3.11	722	72.2	53.0	.225	17.05	1.33×10^{-5}	1.24	1.65×10^{-4}
15	M 7	11.76	14.73	2.97	962	96.2	77.0	.215	25.9	2.02×10^{-5}	1.27	2.56×10^{-4}
A	M 9	12.02	16.51	4.49	1724	172.4	153.2	.326	34.1	2.66×10^{-5}	1.45	3.56×10^{-4}
5	M 10	11.88	13.91	2.03	1004	100.4	81.2	.145	40.2	3.14×10^{-5}	1.17	3.72×10^{-4}
112	M 11	12.39	15.24	2.85	1426	142.6	123.4	.2062	43.6	3.39×10^{-5}	1.27	4.31×10^{-4}
24	M 12	12.12	16.07	2.95	2746	274.6	255.4	.212	86.5	6.74×10^{-5}	1.26	8.49×10^{-4}
17	M 1017	11.43	13.51	2.08	3241	324.1	304.9	.1508	146.4	1.14×10^{-5}	1.18	1.35×10^{-3}
3	M 1018	11.34	16.13	4.79	1926	192.6	173.4	.3462	36.4	2.84×10^{-5}	1.48	4.2×10^{-4}
7	M 1019	11.62	14.56	2.94	2142	214.2	195.0	.2123	66.4	51.7	1.26	6.49×10^{-4}

$.78\times10^{-5}$ 13.8

122

SAMPLE 124	WET WT. OF CORE	WET WT. OF REP. SAM.	DRY WT. OF REP. SAM.	WT. of H_2O 2-3 IN REP. SAM	% H_2O IN REP. SAM 4÷2	WT. OF H_2O 1×5 IN CORE	DRY WT. 1-6 OF CORE	μc/gm FROM 24	μc/cove 8×7	μc/cu.ft 9×45.8	LENGTH OF CORE	DISH	SAMPLE
	1	2	3	4	5	6	7	8	9	10	11	12	13
MA1	1288.8	397.5	247.9	[illegible]	37.9	42.6	1240.[illegible]	[illegible] $^{-3}$	6.69	307.1	12	24	
MA2	731	378.8	288.1	[illegible]	[illegible]	[illegible]	[illegible]	3.5×10^{-3}	1.93	88.4	7	28	
MA 3	906	726.3	601.3	125.0	17.[illegible]	155.7	740.3	7.7×10^{-3}	5.69	261	10"	4	
MA 4	702	342.8	241.2	101.6	28.[illegible]	202	500	6.15×10^{-3}	3.07	140.5	9"	10	
MA 5	784	591.6	398.9	192.7	32.6	254	5[illegible]	7.71×10^{-3}	4.08	187	8.5"	25	
MA 6	732	625.8	462.8	163.0	26.1	191	541	5.24×10^{-3}	2.83	129.5	9"	16	
MA 7	445	200.4	993	27.4	13.7	60.9	304.1	7.55×10^{-3}	2.90	132.8	6.5"	22	
MA 8	549	326.0	228.1	97.9	30.2	165	384	1.33×10^{-3}	.510	23.4	5.5"	17	
MA 9	326	198	181	17	8.6	27.9	298.1	6.23×10^{-3}	1.86	85.2	6"	39	
MA 10	728	615	482.0	133	21.6	157	571	1.99×10^{-3}	1.13	51.7	3.5"	25	
MA 11	834	701	658.4	42.6	6.8	55.8	778.2	5.63×10^{-3}	4.37	199	8"	30	
MA 12	962	728	622.8	95.2	13.1	126	836	3.80×10^{-3}	3.18	145.5	8.5"	5	
MA 13	812	613	491.1	121.9	19.8	161	651	5.87×10^{-3}	3.82	175	7.5"	1	
MA 14	741	341	299	42	12.3	91.4	649.6	6.33×10^{-3}	4.12	189	6.0"	8	
MA 15	545	286	252	34	11.9	65	470	4.93×10^{-3}	2.31	105.8	7"	31	
MA 16	836	410	304.8	105.2	25.7	214	622	6.74×10^{-3}	4.18	219	6"	9	
MA 17	712	381	300	81	21.3	152	560	3.12×10^{-3}	1.78	81.5	8"	7	
MA 18	1035	765	678.1	86.9	11.3	117	918	4.96×10^{-3}	4.56	209	11"	6	
MA 19	1026	604	532.3	71.7	11.8	121	905	3.21×10^{-3}	2.91	133	10"	11	
MA 20	540	286	236.4	49.6	17.3	93.5	446.5	3.68×10^{-3}	1.64	75.2	5"	20	
MA 21	781	606	503.4	102.6	16.9	132	649	3.95×10^{-3}	2.57	117.5	8"	40	

WT. of GLASS DISH 122.5 G.

See page 129

Background 12.8 Source 19,221 7.5 x 10^-6

LENGTH OF CORE	DISH	SAMPLE	TARE	GROSS	NET	TOTAL COUNTS	COUNTS PER MINUTE	NET COUNTS PER MIN	GM/CM²	GM/L	G/GM	K g/m³	C.F.	G/GM
11	12	13	14	15	16		18	19	20		22	23	24	
12"	14		12.61	13.38	1.72			49.1	.089	404	3.03X10^-3		1.78	5.39
7"	8		11.62	15.316	4.69			44	.34	47.6	3.33X10^-4		3.44	[illegible]
10"	4		10.5	[illegible]	3.[illegible]			36	.25	9	4.[illegible]X10^-4		[illegible]	[illegible]
9"	10		11.8	[illegible]	4.[illegible]			14.1	.32	20.8	[illegible]		3	3.30X10^-4
8.5"	25		11.8	[illegible]	[illegible]			[illegible]	.34	4.8	[illegible]		3	1.49X10^-4
9"	16		11.[illegible]	[illegible]	4.[illegible]			[illegible]	[illegible]	1.32	[illegible]		[illegible]	4.2X10^-4
6.5"	22		11.[illegible]	[illegible]	2.[illegible]			6	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5.5"	17		11.4[illegible]	[illegible]	1.[illegible]			[illegible]	0[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
6"	39		13.[illegible]	20.[illegible]	6.44			5[illegible]	[illegible]	7[illegible]	[illegible]		[illegible]	[illegible]
3.5"	20		12.[illegible]	16.[illegible]	4.[illegible]			6.9	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
8"	30		12.02	[illegible]	2.[illegible]			2[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
8.5"	5		11.88	[illegible]	3.[illegible]			[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
7.5"	[illegible]		11.53	[illegible]	4.[illegible]			[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
6.0"	8		[illegible]	[illegible]	2.[illegible]			[illegible]	.212	9.2	[illegible]		[illegible]	[illegible]
7"	31		[illegible]	[illegible]	[illegible]			[illegible]	.403	[illegible]	[illegible]		[illegible]	[illegible]
6"	9		[illegible]	10.[illegible]	3.[illegible]			2[illegible]	.275	[illegible]	[illegible]		[illegible]	[illegible]
8"	7		[illegible]	13.[illegible]	[illegible]			3[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
11"	6		[illegible]	14.50	2.[illegible]			37.[illegible]	[illegible]	146	1.09X10[illegible]		[illegible]	[illegible]
10"	11		[illegible]	16.58	5.[illegible]			[illegible]	.378	3.6	[illegible]		[illegible]	[illegible]
5"	20		[illegible]	16.24	3.[illegible]			27.2	.248	[illegible]	1.83X10[illegible]		[illegible]	1.78X10[illegible]
8"	40		11.61	14.48	2.[illegible]			79.8	.205	18.6	1.39X10^-4		2.65	3.68X10[illegible]

(TRY THIS NEXT)

MARSH SAMPLES

See page 129 for continuation

SAMPLE	WET WT. OF CORE	WET WT. OF REP. S.	DRY WT. OF REP. SAM.	WT OF H_2O 2 - 3 IN REP. S.	% H_2O 4 / 2 REP. S.	WT. OF H_2O 1 X 5 OF CORE	DRY WT 1 - 6 OF CORE	μc/gm FROM 24	μc/core 8 X 7	μc/sq.ft. 9 X 5.8	LENGTH INCHES	DISH	SAMPLE
	1	2	3	4	5	6	7	8	9	10	11	12	13
			252-53		5X2 = 63								
L1	759	252	199	53	25%	189.2	569.8	1.01×10^{-3}	.575	26.3	6	41	L1
L2	422	140	93.3	46.7	33.3	140.5	281.5	1.24×10^{-3}	.349	16.0	5	614	L2
L3	629	209	135.5	73.5	36.1	226.5	402.5	1.38×10^{-3}	.455	20.9	6.5	8	L3
L4	309	103	75.6	27.4	25.8	79.6	229.4	1.38×10^{-3}	.316	14.5	3	11V	L4
L5	587	196	139.0	57.0	29.1	170.8	416.2	4.66×10^{-4}	.184	8.4	5.6	17	L5
L6	335	114	85.6	28.4	24.9	83.5	251.5	1.28×10^{-3}	.322	14.7	3 1/2	272	L6
L7	638	213	163.2	49.8	23.4	149.1	488.9	4.13×10^{-4}	.202	9.3	6	7	L7
L8	423	141	110.9	30.1	21.4	90.6	332.4	1.74×10^{-3}	.578	26.5	3.8	K	L8
L9	348	119	91.9	27.1	22.7	78.8	269.2	8.74×10^{-4}	.235	10.8	3	26	L9
L10	592	187	147.5	39.5	21.0	124.5	467.5	1.20×10^{-3}	.561	25.7	6.5	30	L10
L11	639	210	168.0	42.0	20.0	127.8	511.2	2.91×10^{-4}	.149	6.8	6	4	L11
L12	561	187	135.1	51.9	27.8	155.9	405.1	1.10×10^{-3}	.446	24.1	4.9	F	L12
L13	340	170	131.4	38.6	22.7	77.3	262.7	2.41×10^{-3}	.635	29.1	3	9	L13
L14	421	144	105.0	39.0	27.1	114	307	1.46×10^{-3}	.448	25.7	4	541	L14
L15	386	128	103.6	24.4	19.1	73.7	312.3	7.61×10^{-4}	.280	12.8	4.5	38	L15
L16	461	152	115.4	36.6	24.1	111.1	349.9	1.78×10^{-4}	.063	2.9	5.2	22	L16
L17	294	96	70.5	25.5	26.65	78.3	215.7	1.91×10^{-3}	.413	18.5	3	31	L17
L18	381	127	88.2	38.8	30.6	116.5	264.5	1.17×10^{-3}	.309	14.2	3	532	L18
L19	548	183	138.0	45.0	24.6	134.7	413.3	2.50×10^{-4}	.104	4.8	5	19	L19
L20	341	117	98.7	18.3	15.6	53.2	287.8	1.03×10^{-3}	.296	13.6	3	6	L20
L21	372	166	134.6	31.4	18.9	70.4	301.6	1.07×10^{-3}	.322	14.8	4	28	L21
L22	486	162	128.9	33.1	20.4	99.3	386.7	2.36×10^{-3}	.920	42.2	4.2	D	L22
L23	512	170	116.9	53.1	31.2	159.8	452.2	5.42×10^{-4}	.245	11.2	5	2	L23

LAKE SAMPLES

LENGTH INCHES	Dish	SAMPLE	TARE	GROSS	NET	T COUNTS	COUNTS PER MIN	NET COUNTS MINUTE	GM/CM²	o/m/g.	μc/gm	C.F.	COR μc/gm
11	12	13	14	15	16	17	18	19	20	21	22	23	24
6	40	L1	11.65	13.11	1.46	1861	1861	173.3	.106	118.5	8.89×10^{-4}	1.13	1.01×10^{-3}
5	614	L2	12.38	14.70	2.32	3286	3286	315.8	.168	136.3	1.02×10^{-3}	1.21	1.24×10^{-3}
6.5	8	L3	12.03	13.24	1.21	2134	2134	200.6	.088	165.2	1.24×10^{-3}	1.11	1.38×10^{-3}
3	112	L4	12.39	13.81	1.42	2468	2468	234.0	.103	165.0	1.22×10^{-3}	1.13	1.38×10^{-3}
5.6	17	L5	11.43	13.29	1.86	1126	1126	99.8	.135	53.6	4.02×10^{-4}	1.16	4.66×10^{-4}
3 1/2	272	L6	10.89	13.00	2.11	3186	3186	305.8	.153	145.1	1.09×10^{-3}	1.18	1.28×10^{-3}
6	7	L7	11.62	15.04	3.42	1496	1496	136.8	.248	40.2	3.02×10^{-4}	1.37	4.13×10^{-4}
3.8	K	L8	13.39	15.06	1.67	3486	3486	335.8	.121	201.3	1.51×10^{-3}	1.15	1.74×10^{-3}
3	26	L9	11.93	13.21	1.28	1462	1462	133.4	.093	103.9	7.80×10^{-4}	1.12	8.74×10^{-4}
6.5	30	L10	12.02	15.43	3.41	4218	4218	409.0	.247	120.1	9.02×10^{-4}	1.33	1.20×10^{-3}
.6	4	L11	10.55	13.41	2.86	988	988	86.0	.208	30.5	2.29×10^{-4}	1.27	2.91×10^{-4}
4.9	F	L12	13.31	14.70	1.39	1926	1926	179.8	.101	129.4	9.71×10^{-4}	1.13	1.10×10^{-3}
3	9	L13	12.30	13.39	1.09	3468	3468	334.0	.079	306.8	2.30×10^{-3}	1.08	2.41×10^{-3}
4	541	L14	11.38	12.49	1.11	2111	2111	198.3	.081	178.4	1.34×10^{-3}	1.09	1.46×10^{-3}
4.5	38	L15	13.16	17.32	4.16	3112	3112	298.4	.302	71.8	5.39×10^{-4}	1.41	7.61×10^{-4}
5.2	22	L16	11.72	14.61	2.89	670	670	54.2	.209	18.7	1.40×10^{-4}	1.27	1.78×10^{-4}
3	31	L17	11.61	13.52	1.91	4260	4262	413.8	.139	217.0	1.63×10^{-3}	1.17	1.91×10^{-3}
3	532	L18	11.11	13.45	2.34	1343	1343	301.5	.169	128.8	9.67×10^{-4}	1.21	1.17×10^{-3}
5	19	L19	13.05	16.73	3.68	1128	1028	90.0	.267	24.5	1.84×10^{-4}	1.36	2.50×10^{-4}
3	6	L20	11.90	16.01	4.11	4112	4112	398.4	.298	97.1	7.29×10^{-4}	1.41	1.03×10^{-3}
4	28	L21	11.63	13.02	1.39	1762	1762	163.4	.094	127.5	9.58×10^{-4}	1.12	1.07×10^{-3}
4.2	D	L22	11.24	13.13	1.89	5281	5281	515.3	.137	272.8	2.05×10^{-3}	1.16	2.38×10^{-3}
5	2	L23	11.48	12.71	1.23	998	998	80.0	.089	65.0	4.88×10^{-4}	1.11	5.42×10^{-4}

Background 12.8 cpm

Source 19,911 — 1 min/c

	Dish
	14
	28
	4
	10
530	45
541	16
384.1	22
25.4	17
296.1	39
571	27
778.2	30
836	5
651	1
649.6	8
470	31
622	9
560	7
9.5	6
9.[illegible]	11
446.5	20
609	40

Marsh

7.51×10^{-6} (factor)

	Dish	TARE	GROSS	NET	T.COUNTS	C/m	N/C/m	Gm/cm²	c/m/g	W/c/gm	c	[illegible]
	14	12.61	13.838	1.22								
	28	11.62	16.316	4.69	12638	1263.8	1251	.34	267	1.01×10^{-3}	3.44	3.5×10^{-3}
	4	10.56	14.02	3.46	12164	1216.4	1203.6	.251	348	2.6×10^{-3}	2.95	7.7×10^{-3}
	10	11.81	16.34	4.53	11069	1106.9	1094.1	.328	241	1.81×10^{-3}	3.4	6.15×10^{-3}
530	45	11.86	15.54	3.68	10624	1062.4	1049.6	.368	285.5	2.14×10^{-3}	3.6	7.71×10^{-3}
541	16	11.55	16.27	4.72	9682	968.2	955.4	.341	202.5	1.52×10^{-3}	3.45	5.24×10^{-3}
384.1	22	11.71	14.04	2.33	10146	1014.6	1001.8	.169	429	3.14×10^{-3}	2.4	7.55×10^{-3}
354	17	11.44	12.71	1.27	12468	1246.8	1234	.092	973	7.30×10^{-3}	1.82	1.33×10^{-3}
298.1	39	13.56	20.00	6.44	13492	1349.2	1336.4	.465	207.7	1.55×10^{-3}	4.02	6.23×10^{-3}
571	27	12.27	16.83	4.61	8962	896.2	883.4	.334	191.5	1.44×10^{-3}	3.44	1.99×10^{-3}
778.2	30	12.02	14.75	2.73	7942	794.2	781.4	.198	286.4	2.15×10^{-3}	2.62	5.63×10^{-3}
36	5	11.88	15.35	3.47	6241	624.1	611.3	.251	173	1.29×10^{-3}	2.95	3.80×10^{-3}
51	1	11.53	16.34	4.81	10812	1081.2	1068.4	.348	221.9	1.66×10^{-3}	3.52	5.87×10^{-3}
49.6	8	12.08	15.00	2.92	9246	924.6	911.8	.212	312.3	2.34×10^{-3}	2.7	6.33×10^{-3}
70	31	11.61	17.17	5.56	9836	983.6	970.8	.403	174.5	1.31×10^{-3}	3.78	4.93×10^{-3}
2	9	12.30	16.09	3.79	11104	1110.4	1097.6	.275	289	2.17×10^{-3}	3.1	6.74×10^{-3}
0	7	11.63	13.11	1.48	9268	926.8	914	.107	617	1.63×10^{-3}	1.94	3.17×10^{-3}
-	6	11.89	14.50	2.61	6928	692.8	680	.189	261	1.96×10^{-3}	2.54	4.96×10^{-3}
5	11	11.35	16.58	5.23	3426	342.6	329.8	.378	63.1	8.43×10^{-4}	2.61	3.21×10^{-3}
.5	20	12.82	16.24	3.42	5832	583.2	570.4	.248	167.5	1.25×10^{-3}	2.95	3.68×10^{-3}
9	40	11.65	14.48	2.83	4693	469.3	456.5	.205	198.2	1.49×10^{-3}	2.65	3.95×10^{-3}

Cont'd from page 124
Marsh
annual mud run

SAMPLE 130	WT. WT. OF CORE	WT. WT. OF REP. S.	DRY WT. OF R.S.	WT OF H_2O 2 - 3 IN R.S.	% H_2O 4 - 2 IN R.S.	WT OF 1 & 5 H_2O IN CORE	DRY WT. 1 - 6 OF CORE	μc/gms FROM 23	μc/core 8 X 7	μc/sq ft 9 X 45.8	LENGTH OF CORE	C.F.	Dish
	gm 1	2	3	4	5	6	7	8	9	10	11 INCHES		12
S-1	286	93	72.3	20.7	22.4	64.0	222	6.72×10^{-4}	.149	6.83	3	1.19	31
S-2	291	98	70.5	27.5	28.1	73.2	217.8	9.49×10^{-5}	.021	.962	3.5	1.33	20
S-3	362	121	84.2	36.8	30.4	110	252	6.43×10^{-4}	.162	7.43	4	1.17	30
S-4	198	66	50.1	15.9	24.1	47.7	150.3	2.86×10^{-4}	.043	1.97	2	1.33	13
S-5	274	91	82.3	8.7	9.6	26.3	247.7	2.73×10^{-4}	.051	2.34	3	1.22	272
S-6	341	124	96.9	27.1	21.8	74.3	266.7	2.45×10^{-4}	.065	2.98	~ 4	1.25	72
S-7	268	101	85.3	15.7	15.6	41.8	226.2				3		532
S-8	242	84	67.9	16.1	19.2	46.5	195.5	2.66×10^{-5}	.005	.229	3	1.07	7
S-9	286	96	72.2	23.8	24.8	70.9	215.1	6.56×10^{-4}	.141	6.47	3	1.09	F
S-10	201	72	51.4	20.6	28.6	49.7	157.3	2.31×10^{-4}	.035	1.61	2	1.32	9
S-11	238	82	57.6	24.4	29.8	59.0	179	1.90×10^{-3}	.141	6.46	3	1.08	2
S-12	391	142	107.6	34.4	24.2	94.5	296.5	2.12×10^{-4}	.063	2.88	~ 4	1.26	28
S-13	224	74	55.4	18.6	25.1	55.6	168.4	3.63×10^{-4}	.061	2.79	2.5	1.13	19
S-14	209	69	59.6	9.4	13.6	28.5	180.5	1.69×10^{-4}	.030	1.37	3	1.22	4
S-15	182	61	43.7	17.3	28.4	51.7	130.5	9.58×10^{-5}	.013	.596	1.5	1.33	26
S-16	176	58	40.5	17.5	30.1	52.9	123.1				1.7		12
S-17	173	52	39.1	12.9	24.8	42.8	130.2	1.64×10^{-4}	.021	.962	1.5	1.30	6

factor 6.43×10^{-6}

Area Below Spillway

C.F.	Dish	TARE	~~TARE~~	NET	GROSS	T. COUNTS	c/m	N/c/m	GM/cm²	c/m/g	N/c/m	c/m/gm
	12	13	14	15	16	17	18	19	20	21	22	23
1.19	31	11.61		2.11	13.72	1850.4	185	152	.153	87.7	5.63×10^{-4}	6.72×10^{-4}
1.33	20	12.82		3.42	16.24	380.6	38	5	.248	11.1	7.1×10^{-5}	9.44×10^{-5}
1.17	30	12.02		1.93	13.05	165.6	165	132	.139	85.6	5.49×10^{-4}	6.43×10^{-4}
1.33	13	12.06		3.43	15.48	114.4	114	81	.248	33.3	2.15×10^{-4}	2.86×10^{-4}
1.22	272	10.89		2.43	13.32	850.2	85	52	.176	34.9	2.24×10^{-4}	2.73×10^{-4}
1.25	72	11.71		2.68	14.38	820.3	82	49	.194	30.6	1.96×10^{-4}	2.45×10^{-4}
	532	11.11		1.92	13.03	330	33					
1.07	7	11.63		.9	11.72	351.6	35.1	2	.065	3.89	2.49×10^{-5}	2.66×10^{-5}
1.09	F	13.52		1.12	14.64	105.1	105	72	.081	93.7	6.02×10^{-4}	6.56×10^{-4}
1.32	9	12.31		3.42	15.73	932.6	93	60	.248	27.2	1.75×10^{-4}	2.31×10^{-4}
1.08	2	11.48		1.06	12.54	2941	294	261	.077	278	1.76×10^{-3}	1.90×10^{-3}
1.26	28	11.62		2.86	14.48	752	75	42	.200	26.2	1.68×10^{-4}	2.12×10^{-4}
1.13	19	13.05		1.42	14.47	718	71	38	1.02	50.0	3.21×10^{-4}	3.63×10^{-4}
1.22	4	10.56		2.49	13.05	539	53	20	.181	21.3	1.37×10^{-4}	1.68×10^{-4}
1.33	26	11.93		3.48	15.41	392	39	6	.249	11.2	7.2×10^{-5}	9.58×10^{-5}
	12	11.48		1.42	12.90	331	33					
1.30	6	11.90		3.19	15.09	624.1	62.4	59	.231	19.6	1.26×10^{-4}	1.64×10^{-4}

Background 33 c/m

Wt. of glass dish 122.5 G

Source "e" for 5 min. 21,322

12.8 4/m B.6.

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Dish	Sample	Depth	Weight Tare	Weight Gross	Weight Net	c/.0m	c/m	N.c/m	
A	4	Top	12.02	[illegible]	2.16	9862	986.2	973.4	.1
5		2"	11.88	[illegible]	3.41	8915	891.5	878.7	.2
112		4"	12.39	[illegible]	2.89	4682	468.2	455.4	.2
14		6"	12.60	[illegible]	1.67	1928	192.8	180.0	.1
17		8"	11.43	13.13	1.72	3486	348.6	335.8	.1
21		10"	13.12	15.25	2.13	2911	291.1	278.3	.1
3		12"	11.34	14.34	3.00	900	90	77.2	.2
7		14"	11.62	[illegible]	4.12	780	78	65.2	.2
13	5	Top	12.06	13.82	1.76	5286	528.6	515.8	.1
16		2"	11.55	13.96	2.41	5100	510.	497.2	.1
26		4"	11.93	13.91	1.98	2834	283.4	270.6	.14
23		6"	11.67	15.08	3.41	191	19.1	6.3	.20
11		8"	11.35	14.24	2.89	83	8.3	—	.20

cm/cm	c/m/g	μcc/gm	C.F.	μcc/gm
.157	448	3.36×10^{-3}	[illegible]	$5.[illegible] \times 10^{-3}$
.247	261	1.91×10^{-3}	[illegible]	$4.[illegible] \times 10^{-3}$
.209	157.5	1.14×10^{-3}	[illegible]	[illegible] $\times 10^{-3}$
.121	108	8.10×10^{-4}	[illegible]	[illegible] $\times 10^{-3}$
.125	194	1.46×10^{-3}	[illegible]	[illegible] $\times 10^{-3}$
.155	131	9.84×10^{-4}	[illegible]	[illegible] $\times 10^{-3}$
.217	25.7	1.93×10^{-4}	[illegible]	[illegible] $\times 10^{-4}$
.298	15.8	1.18×10^{-4}	[illegible]	[illegible] $\times 10^{-4}$
.127	294	2.21×10^{-3}	[illegible]	[illegible] $\times 10^{-3}$
.175	123	9.24×10^{-4}	[illegible]	$1.[illegible] \times 10^{-3}$
.144	136	1.02×10^{-3}	[illegible]	1.69×10^{-3}
.247	3	2.25×10^{-5}	[illegible]	$4 \times [illegible] \times 10^{-5}$
.209	—			

Intermediate Panel

[illegible] Samples

Geometry factor = $\frac{12,297}{300,000}$ = 4.099% = .04099 = .041

Formula = $\frac{1}{3.7 \times 10^4 \times 60 \times .041}$ x c/m/gm = $\frac{1}{.9102}$ x 10^{-5} c/m/gm

= 1.1 x 10^{-5} c/m/gm = uc/gm

~~SOURCE (C) 5 MIN COUNT - 14,392 SCALAR #49~~

SOURCE (C) 5 MIN. COUNT - 12,297 SCALAR # 26

~~SOURCE (C) 5 MIN. COUNT - 14,592 SCALAR # 49~~
SOURCE (C) 5 MIN. COUNT - 12,297 SCALAR # 26.

Dish	Sam.	Tare	Gross	Net	(3-min.) B-G	5 min. Total Counts	c/m	Net c/m	gm/cm²	c/m/gm	mc/gr	Corr.	mc/gr.
14	10	12.6057	14.5078	1.9021	24.0	172.	34.4	10.4	.138	5.47	6.01×10^{-5}	.390	1.54×10^{-4}
5	5	11.8839	13.7235	1.8396	28.4	150	30.0	1.6	.133	.87	9.57×10^{-6}	.396	2.42×10^{-5}
9	2	12.3054	14.6371	2.3317	31.0	150	30.0	0					0
20	9	12.8200	14.7063	1.8863	28.5	204	50.8	22.3	.137	11.8	1.3×10^{-4}	.391	3.32×10^{-4}
1	6	11.5311	14.6461	3.1150	31.4	169	33.8	2.4	.226	.77	8.46×10^{-6}	.295	2.87×10^{-5}
26	4	11.9796	14.1358	2.1562	30.4	142	28.4	0					0
23	1	11.6734	14.5100	2.8366	27.5	156	31.2	3.7	.206	1.31	1.44×10^{-5}	.312	4.61×10^{-5}
11	3	13.1598	15.5142	2.3544	28.2	143	28.6	0.4	.171	.17	1.87×10^{-6}	.345	5.42×10^{-6}
17	7	11.4393	13.5096	2.0703	24.0	135	27.0	3	.150	1.45	1.59×10^{-5}	.370	4.30×10^{-5}
10	8	11.8106	12.9996	1.1890	25.1	132	26.4	1.3	.0861	1.09	1.2×10^{-5}	.490	2.45×10^{-5}
*22	8	11.7184	11.7443	.0259	38.6	189	37.8	0					0
*29	7	11.7345	11.7619	.0274	32.2	146	29.2	0					0
*7	6	11.8907	11.9765	.0858	38.6	196	39.2	0.6	.00621	7.0	7.7×10^{-5}	.93	8.28×10^{-5}
*27	5	12.2181	12.2530	.0623	30.1	150	30.0	0					0
*19	4	13.0486	13.2205	.1719	25.0	130	26.0	1	.0124	5.82	6.4×10^{-5}	.87	7.35×10^{-5}
*13	5	12.0618	12.1710	.1092	26.6	134	26.8	0.2	.00791	1.83	2.01×10^{-5}	.91	2.21×10^{-5}
*31	4	11.6161	11.6490	.0329	31.2	158	31.6	0.4	.00289	12.2	1.34×10^{-4}	.97	1.38×10^{-4}
*25	3	11.8619	11.9306	.0687	29.7	156	31.2	1.5	.00496	21.8	2.4×10^{-4}	.94	2.55×10^{-4}
*12	2	11.4833	11.5065	.0561	17.0	80	16.0	0					0
	1	12.0221	12.1147	.0926	25.4	128	25.6	0.2	.00671	2.16	2.38×10^{-5}	.93	2.56×10^{-5}

Mud June 3

#1 Emory mile 2 - Bottom mud
Dish 272 full 14.92
empty 10.91
4.01 g. @ 14 c/m

#2 Clinch Mile 5
Dish 9 full 13.96
12.21
1.75 g @ 21 c/m

#3 Mile 7 Clinch
Dish 31 full ~~13.34~~
empty 11.63
1.71 g at 21 c/m

#4 Mile 10 Clinch River Bottom Mud
Lower Strata
Dish E full = 14.61
empty = 11.35
3.26 g @ 21 c/m

#5 Mile 11 Clinch River Bottom Mud
Dish 3 full = 14.15
empty = 11.66
2.49 g @ 12 c/m

#6 Mile 10 Clinch River Bottom Top Strata
Dist 614 full 14.33
empty 12.41
1.92 g @ 20 c/m

#7 Mile 8 - Clinch Bottom
Dist 532 full 12.97
11.07
1.90 g @ 11 c/m

#8 Mile 9 Bottom Mud - not ~~enough~~ sample

#9 Mile 12 Bottom Mud - Clinch - not enough sam

#10 Sandy mud from Emory - Mile 10 - near center
Dist 21 full 19.73
empty 18.01
1.72 @ 7 c/m

#11 Mud - Mile 6 - Clinch
Dist M full 13.31
11.21
2.10 g. @ 21 c/m

#12 Mud Emory 0 -
Dish 207 full 13.94
empty 11.46
2.48 g @ 43 c/m

#13 Surface scum from river bank
opposite pilings of paper mill - Emory 11.2
Dish 39-B full 12.41
11.59
.82 g @ 14 c/m

#14 Bottom Mud - Emory Mile 8
D. 17 full 12.74
11.49
1.25 g @ .12 c/m

#15 Bottom Mud Emory Mile 4
39-A full 14.32
13.56
.76 g @ 17 c/m

#16 Bottom Mud - Emory Mile 4
1 full 13.02
11.55
1.47 g @ 12 c/m

June 3—

#1 Mile 3 opposite Emory paper mill
pilaq 20 ft. deep 8:55 A.M
Disk 19 : 41 gm @ 21 c/m } Disk 10 @ 12 c/m

#2 Mile 2 Emory 42 ft 12:15 PM
a. Disk 32 , .47 gm. @ 58 c/m 123.1

b. Disk A 14 c/m water 134.5

#3 Mile 4 Emory 35 ft

#4 Mile 13 Emory by W. works 25 ft.
a. Disk 23 full 12.10
empty 11.71
.39 gm @ 21 c/m

b. Disk 40 @ 7 c/m

#5 Clinch Mile 8 25 ft

Dish 6:08 full 13.08

empty 12.12

.96 g @ 125 c/m

Dish 29 water @ 35 c/m

#6

Plateau for Counter # 49 1:10 PM 10-20-45 60 seconds

1000 V	5760	6004	12,300
1020	5838	5920	12,230
1040	5838	5886	12,640
1060	5835	5910	12,330
1080	5850	5966	[illegible]
1100	5826	5805	12,628
1120	5802	5889	12,650
1140	5760	5808	12,712
1160	5905	5760	12,550
1180	6035	5912	[illegible]
1200		6144	[illegible]

DISH	SAMPLE	DISH WT.	Total wt. ~~TARE WT.~~	NET WT.	(c/m)	Bkgd 20
6	Total	11.8986	14.5298		1325	654
11	Strata-Top.	13.1598	15.5878		1217	[illegible]
12	Strata- 1"	11.4833	13.6435		1079	[illegible]
17	Strata- 2"	11.4393	13.9799		1090	[illegible]
23	Strata- 4"	11.6734	14.8817		862	4220
25	Total -	11.8619	15.2403		1630	[illegible]
26	Strata- 10"	11.9296	14.3979		1186	604
39	Strata - Bottom	13.5626	16.3951		67	[illegible]

Wet Weight of Mud = 333 gm.

Wet wt Dish 25 = 19.6132

" " " 6 = 17.9438

% Water = 43.6

Dry Wt of Mud = 145 gm.

LVH

Data for Absorption Curve for mud-samples collected July 19, 20.

A.T. Greenwood
Draft
July-31, 1975

Dish	Sample	Tare wt	Total wt	Net wt	BG.	Tot. Counts	c/m	net c/m	gm/cm²	c/m/gm	Ratio observed val / True val	c/m/gm	gm/cm²
1	9	11.5311	11.8593	.3282	46.3	8163 (10)	816.3	770	.0238	2341	.940	2840	.0112
13	9	12.0608	13.4238	1.3630	35.0	10585 (4)	2646.3	2611.3	.0988	1915	.917	2770	.0173
16	9	11.5523	15.0751	3.5228	44.4	14,275 (3)	4758.3	4713.9	.256	1338	.882	2661	.0240
18	9	13.0220	13.3538	.3318	50.3	9350 (10)	935	884.7	.0240	2661	.776	2341	.0238
20	9	12.8200	15.8059	2.9859	48.3	12456 (2)	4152	4103.7	.216	1373	.725	2190	.0578
22	9	11.7184	12.5159	.7975	40.0	10722 (6)	1787	1747	.0578	2190	.634	1945	.0988
23	9	11.6784	11.8277	.1543	40.6	4793 (10)	479.3	438.7	.0112	2840	.556	1686	.147
30	9	12.9241	12.2609	.2388	34.6	6959 (10)	695.9	661.3	.0173	2770	.455	1373	.216
39	9	13.0626	15.5875	2.6249	46.6	10,362 (3)	3454	3407.4	.147	1686	.443	1338	.256
6	F	11.8988	12.5704	.6716	40.0	12536 (3)	4178.7	4138.7	.0486	6150	.899	7810	.0140
7	F	11.8907	13.0779	1.1872	26.3	12689 (2)	6344.5	6318.2	.0860	5335	.784	6810	.0376
10	F	11.8106	13.6504	1.8398	36.5	16,856 (2)	8428	8391.5	.133	4560	.706	6150	.0486
19	F	13.0486	15.3453	2.2967	60.3	18900 (2)	9450	9389.7	.166	4090	.613	5335	.0860
25	F	11.8619	12.0557	.1938	36.0	10851 (2)	1550	1514	.0140	7810	.536	4650	.124
26	F	11.9296	14.4854	2.5558	43.6	18925 (2)	9462.5	9418.9	.185	3690	.525	4560	.133
27	F	12.2681	12.7375	.5194	35.6	10722 (3)	3574	3538.4	.0376	6810	.470	4090	.166
29	F	11.7345	13.4352	1.7007	34.3	15874 (2)	7937	7902.7	.124	4650	.424	3690	.185
31	F	11.6161	14.8399	3.2238	38.3	11434 (1)	11434	11096.7	.234	3440	.396	3440	.234

Area of dish = 13.8 cm²

Source "C" 13229 (5 min)

Tr. Val. = 3070

Tr. Val. = 8200

Tr. Val. = 3440

Ratio = observed val / True val

Area of dish = 13.8 cm² Source "C" 13229 (5 min)

Dish	Sample	Tare wt	Total wt	net wt	B.G	T.T. Count	c/m	net c/m	gm/cm²	c/m/gm	Ratio Observed Val / True Val.	c/m/gm	gm/cm²
4	7	10.5587	12.0833	1.5246	42.3	12,697 (4)	3174.3	3132	.111	2058	.688	2580	.0272
5	7	11.8837	13.2765	1.3928	35.0	13,136 (4 min)	3284	3249	.101	2332	.679	2545	.0579
11	7	13.1598	18.9895	5.8297	45.3	13313 (2)	6656.5	6611.2	.422	1134	.621	2332	.101
12	7	11.4833	11.8591	.3758	36.3	10050 (10)	1005	968.7	.0272	2580	.548	2058	.111
15	7	11.7672	16.5298	4.7626	35.3	12148 (2)	6074	6038.7	.345	1266	.459	1720	.174
21	7	13.1210	13.9203	.7993	40.6	10371 (5)	2074.2	2033.6	.0579	2545	.453	1700	.166
28	7	11.6204	13.9196	2.2992	33.6	11829 (3)	3943	3909.4	.166	1700	.337	1266	.345
272	7	10.8915	13.2959	2.4044	45.3	12571 (3)	4190.3	4145	.174	1720	.302	1134	.422
A	Comb*	12.0224	13.7003	1.6779	40.3	11411 (1)	11411	11370.7	.121	6780	.901	10710	.0205
B	"	11.2382	14.3705	3.1323	40.6	14590 (1)	14590	14549.4	.227	4650	.830	9880	.0318
2	"	11.6266	12.6044	.9778	44.0	16,044 (2)	8,022	7978	.0708	8160	.686	8160	.0708
3	"	11.3488	12.9855	1.6367	55.0	11,906 (1)	11906	11851	.118	7248	.609	7248	.118
14	"	12.6057	13.0438	.4381	39.6	13134 (3)	4378	4338.4	.0318	9880	.570	6780	.121
9	"	12.2017	12.4839	.2822	37.3	12250 (4)	3062.5	3025.2	.0205	10710	.513	6100	.178
17	"	11.4393	15.6546	4.2153	36.0	20067 (1)	20067	20031	.306	4750	.399	4750	.306
40	"	11.6393	14.0900	2.4507	39.3	14987 (1)	14987	14947.7	.178	6100	.341	4650	.227

(Sandy)

True Val = 3750

True Val = 11900

pts. obtained for an average curve

gm/cm² - Ratio
.42 - .317
.40 - .326
.35 - .348
.30 - .376
.25 - .410
.2 - .458
.15 - .521
.10 - .6095
.05 - .744

* Comb = Sample # 1+C+2+9+F

Special Recount on samples collected during June '45 (6/14-6/15) from Locations at and near Clinch River.
Source "L" (see page 28 for counts & G.F.)

Dish	Sample	G.F. Tare wt.	Total wt.	Net wt.	BG	Total Counts	c/m	net c/m	gm/cm²	c/m/gm	uc/gm	corr	corr uc/gm
11	30	13.1598	18.1169	4.9571	35	2438 (10MIN)	243.8	208.8	.359	42.1	4.66×10^{-4}	.226	2.06×10^{-3}
18	30	13.0220	17.9723	4.9503	35	2448 (10MIN)	248	213.1	.359	43	4.76×10^{-4}	.226	2.11×10^{-3}
19	32	13.0486	16.6688	3.6202	43	792 (10MIN)	79.2	36.2	.262	10	1.11×10^{-4}	.270	4.11×10^{-4}
21	32	13.1210	16.9270	3.8060	43	844 (10MIN)	84.4	41.4	.276	10.9	1.21×10^{-4}	.263	4.60×10^{-4}
27	33	12.2181	16.7851	4.5670	36	1645 (10MIN)	164.5	128.5	.331	28.1	3.12×10^{-4}	.237	1.32×10^{-3}
28	33	11.6204	16.0393	4.4189	35	1606 (10MIN)	160.6	125.6	.320	28.4	3.14×10^{-4}	.242	1.30×10^{-3}
29	34	11.7345	15.9082	4.1737	39	553 (10MIN)	55.3	16.3	.302	3.90	4.31×10^{-5}	.249	1.73×10^{-4}
30	34	12.0221	15.4859	3.4638	43	492 (10MIN)	49.2	6.2	.251	1.79	1.98×10^{-5}	.277	7.15×10^{-5}
31	35	11.6161	15.2709	3.6548	36	618 (10MIN)	61.8	25.8	.264	7.06	2.82×10^{-5}	.268	2.92×10^{-4}
39	35	13.5626	16.8532	3.2906	41	618 (10MIN)	61.8	20.8	.238	6.32	7.00×10^{-5}	.286	2.45×10^{-4}

Samples counted - 7/24/45 (scalar 49) Area - 13.8 cm²

Geom. Factor = $\frac{12211}{3000}$ = .0407

Formula = $\frac{c/m/gm}{3.7\times10^{4}\times60\times.0407}$ = uc/gm = c/m/gm × 1.109×10^{-5}

7/23/45 RTG.

~~ATG~~ Plateau Data.

6/19/45 (ATG) Scalar-#49- Source "C"

V	c/m
1040	45
1060	2583
1080	2760
1100	2880
1120	3168
1140	3424
1160	3712
1180	4128
1200	5120

N. G

New Tube Installed - 6/20/45 -
Plateau Data - ~~ATG~~
6/20/45 - 10^{45}/am. Scalar #49.

V		c/m
1020		34
1040	1220 − 1040 = 180	2522
1060	60	2519
1080	3 ⟌ 180	2577
1100	1040 + 60 = 1100 V	2548
1120		2512
1140		2535
1160	Operating Volt.	2612
1180	1100 V	2678
1200		2688
1220		2735
1240		2915

Dish	Weight	Dish	Weight	Dish	Weight	Dish	Weight	Dish	Weight	Dish	weight
Data	7/21-7/23/45	29	11.7345								
1	11.5311	30	12.0221								
2	11.6266	31	11.6161								
3	11.3488	39	13.5626								
4	10.5587	40	11.6499								
5	11.8837	272	10.8915								
6	11.8988										
7	11.8907										
8	11.2468										
9	12.2017										
10	11.8106										
11	~~12.0328~~ 13.1598										
12	11.4833										
13	12.0618										
14	12.6057										
15	11.7672										
16	11.5523										
17	11.4393										
18	13.0220										
19	13.0486										
20	12.8200										
21	13.1210										
22	11.7184										
23	11.6734										
24	12.0328										
25	11.8619										
26	11.9796										
27	12.2181										
28	11.6204										

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4-19-45

Dish	Wt
31	11.6208
17	11.4456
230	12.4784
12	11.4886
20	12.8258
19	13.0559
21	13.1268
22	11.7234
376	10.7084
521	11.1263
7	11.8982
35	11.7602
15	11.9734
13	12.0685
549	10.3686
6	11.9049
401	11.0385
9	12.2071
577	10.7081
286	10.8422
25	11.8688
5	11.8911
11	13.1659
539	11.0974
502	11.6232
578	12.3841
272	10.8955
554	11.0035
27	12.2212

5/15/45

dish	Wt
14	12.6105
520	10.9668
18	13.0268
26	11.9863
580	12.0122
591	10.9714
353	10.7065
547	10.6957
546	11.2054
24	11.9995
4	13.4884
28	11.6245
533	12.0264
202	11.2146
577	10.7079
442	12.0822
611	12.4890
448	11.9850
586	11.9005
10	11.8163
376	10.7084
577	10.7079
586	11.9005
2	11.6232
588	11.0528
610	10.3532
1	11.5387
521	11.1263
591	10.9733

dish	wt
272	10.8946
26	11.9846
25	11.8671
2	11.6335
12	11.4888
35	10.5557
18	13.0284
31	11.6202
21	13.1251
4	13.4858
13	12.0669
1	11.5333
2	11.6287
3	11.5435
4	13.4818
5	11.8850
6	11.9006
7	11.8905
8	11.3452
9	12.2023
10	11.8110
11	13.1605
12	11.4848
13	12.0618
14	12.6058
15	11.7683
16	11.6398
17	11.4395
18	13.0236

Dish	wt.
19	13.0487
20	12.8204
21	13.1219
22	11.7191
23	11.6734
24	11.2379
25	11.8627
26	11.9793
27	12.2190
28	11.6206
29	11.7353
30	12.0221
31	11.6170
32	10.5523
33	12.0236
39	13.5507
272	10.8912

see preceding page

(49) 13380 36.6

	Dish	Bg.	Dish	Bg.	Dish	B.G.	Dish	B.G.	Dish	B.G.	Dish	B.G.
	4-16-45		26	55.6	591	36.8	21	28	20	53.3	10	504
49"	[illegible]	[illegible]	14	51.8	28	30.4	30	32.6	4	57.6	554	57.[illegible]
	[illegible]	30	25	58.8	24	32.8	286	28.8	546	56.4	272	52.[illegible]
	[illegible]	[illegible]	(26) 6	34.2	29 442	52.8	5	30.4	(49) 4-21-45 1	52.4	22	51.6
	5	30.6	22	30.8	448	54	11	28.4	547	53.6	13	54.[illegible]
	286	36.2	521	29	14	59.6	554	33.6	5	57.2	520	47.2
	4	[illegible]	13	33.6	(26) 1	37.8	539	49	(26) 611	32.2	26	51.4
	18	[illegible]	(49) 20	55.4	26	30.2	578	56.8	577	29.2	18	54
	[illegible]	[illegible]	17	56.4	4-19-45 (49) 12	48.5	272	154	442	27	25	48.8
	12	28.2	4-18-45 (49) 5	56.6	9	45.2	502	53.8	2	34.2	14	535
	580	35.8	11	59.4	35	52.2	4-20 (49) 586	52.8	202	29.2	580	50
"26"	4	29.6	18	55.2	401	56.8	10	56.2	230	26.8	611	47
	591	38	586	54.4	20	53	588	52.6	353	24.2	376	53.6
	7	42.2	12	54.6	549	50.2	611	56	9	31.2	17	52
	31	36.8	(26) 19	33.8	376	52.4	448	48.8	539	36.8	31	54.8
	547	32.6	577	28.4	13	49.6	591	36.2	502	31.2	286	48.[illegible]
	17	37	554	26.2	230	57.2	25	50	(49) 12	47	(26) 27	52.7
	4-17-45 533	24	539	29.6	17	53.6	580	56	17	50.2	4-25-45 586	53
	272	33	578	32.8	(26) 15	27	27	52.8	578	47.4	578	53
	401	32	502	28	19	29.4	520	55.6	(49) 4-23-45 6	53.6	28	44.8
	15	33	353	25.6	533	30.6	(26) 26	29.4	15	51.2	10	53
	21	32.2	(49) 4	56.8	27	24.8	14	33.8	21	53.8	20	50
	442	28.4	546	55.8	22	26	286	27.2	448	44.5	202	44.3
	448	27.4	611	57.2	547	28	376	30.8	11	505	533	44.5
	9	26.2	520	53.6	6	32.8	18	31.3	19	502	19	52.4
	1	29.4	2	54.2	25	26.2	(49) 533	51.2	7	57.2	11	50.4
	230	31.8	202	59.2	521	30	28	56.2	521	53.4	15	46.8
49"	27	63	610	52.2	577	26	549	58.6	401	48.8	(26) 546	35
	549	48.8	(26) 586	58	7	31	24	59.2	586	46.6	577	35.8

Dish	B.G.	Dish	B.G.	Dish	B.G.	Dish	B.G.	Dish	B.G.
521	298	554	44	578	41.8	12	36.8	21	40.8
5-	35.8	353	39	(49) 4-2-45 31	44.2	401	49.6	[illegible]	[illegible]
142	30.8	18	48.4	13	43.6	591	42	[illegible]	43
4	32.8	15	45.8	580	42.8	9	40.2	[illegible]	37.4
24	30.4	21	43.6	202	47.6	520	38.8	442	39.4
549	33.4	577	44.8	10	44	26	39.4	25	42.6
9	30.2	(26) 27	29.8	586	41	10	45.6	(49) 5-2-45 4	45.2
539	29.8	610	26	5-	48	31	41.2	584	45.6
(49) 502	45-	533	27.6	11	44.6	11	41.4	202	41.6
14	43.2	588	28.6	28	45.6	578	43	15	37
17	44.8	521	27.2	19	45.4	14	38.4	577	43.4
7	43.4	520	29.4	20	40.2	28	40.2	546	42.2
21	46.8	20	33.2	(64) 4-30-45 2	42.4	2	42.2	549	38.8
547	45.2	611	30.6	18	46.4	13	33	376	40
610	42.2	28	26.6	353	44.2	20	43.4	580	45.4
588	42.8	19	32.8	547	37.4	586	39.6	13	31.8
401	47.6	286	28.4	316	41.8	521	40.4	27	40.6
22	45.3	539	33	588	45	572	38.6	31	42.6
(26) 4-26-45 448	41.8	(49) 547	46.8	21	42.8	17	41.6	10	44
6	40.4	14	42	577	44.2	18	39.8	2	40.6
12	46.4	4-27-45 (49) 546	43.2	(64) 4-1-45 4	40.6	5	43.2	11	42.2
272	29.0	7	47.2	511	44.5	580	46.2	1	42
26	29	17	55.4	[illegible]	50	554	41.6	610	40.4
591	33	202	44.2	[illegible]	45.2	610	[illegible]	588	45.6
1	34	22	57	611	47.2	[illegible]	39.6	4	40.8
11	33.6	442	53.2	[illegible]	[illegible]	7	32.8	202	45.6
(49) 4-2-6 25	49.8	401	51.7	19	[illegible]	[illegible]	39.7	12	43
376	38	549	44.6	[illegible]	[illegible]	549	46.7	15	41.7
2	39	4	44.4	[illegible]	43.8	[illegible]	39.5	6	43.7

	Dish	B.G.	Dish	B.G.	Dish	B.G.	Dish	B.G.	Dish	BG	Dish	BG
40.8	14	54.2	502	[illegible]	10	38	13	33	14	34	8	31
[illegible]	22	36.3	[illegible]	[illegible]	5	36.3	21	46.2	15	40	9	40.[illegible]
43	577	36.2	[illegible]	[illegible]	586	39.8	6	39.6	16	31.5	10	36.[illegible]
7.4	5-4-45 9	39.8	[illegible]	[illegible]	21	46	5/15/45		17	39.5	11	35
[illegible]	18	[illegible]	5-7 13	42.5	22	35.8	272	37.1	18	33.5	12	37
2.6	2[illegible]	39	611	40.6	18	43	4	36.6	19	35.5	13	42
15.2	13	41.3	546	33.8	19	40.5	21	37.2	20	37.5	14	37
3.6	27	44.2	4	30.6	2	45	18	39.5	21	39.5	15	41
1.6	521	39.4	5-8 6	40.5	591	38	25	36.8	22	39	16	46
37	19	32.8	[illegible]	41.8	5-11-45 27	39.8	31	38.2	23	42	17	42
13.4	610	38.7	[illegible]	[illegible]	19	45	13	37.8	24	38	18	35
13.2	272	37.4	[illegible]	36	272	35.2	12	38.6	25	39.5	19	4[illegible]
38.8	547	43.4	31	37.2	4	37.8	2	35.2	26	35	20	39.[illegible]
10	442	43.4	[illegible]	[illegible]	28	34.5	26	32.4	27	35	21	43
15.4	539	42	[illegible]	42.2	14	41.2	35	30.2	28	35.8	22	41.[illegible]
31.8	1554	37.8	580	38	22	39.8	6-16-45-[illegible]		29	38	23	43
40.6	533	35.6	5-8[illegible]	[illegible]	5	38.2	1	40	30	38	24	38
12.6	17	36.4	26	41.5	11	22.6	2	34.5	31	33	25	41
14	7	33.2	[illegible]	[illegible]	10	35.2	3	34.6	32	37	26	39
12.6	[illegible]	38.8	25	48.2	26	37.2	4	46	33	44.6	27	36
2.2	520	[illegible]	9	35	31	34.6	5	35.5	39	35.5	28	35
12	1	39.[illegible]	549	38.2	7	35.2	6	38.5	272	32	29	39
10.4	[illegible]	[illegible]	521	39	18	43	7	39.5	7/23/45		30	43
15.6	[illegible]	[illegible]	17	41.8	17	36.2	8	33.5	1	41	31	36
10.8	[illegible]	[illegible]	533	34.5	15	36.6	9	37.5	2	38	32	41
15.6	[illegible]	[illegible]	9	40.8	2	30.2	10	34.3	3	39.6	33	41.[illegible]
13	[illegible]	[illegible]	554	41	9	39.2	11	27	4	36.1	34	39.[illegible]
41.7	[illegible]	[illegible]	610	37	5	37.8	12	33.5	5	38		
43.7	[illegible]	35.4	442	37.2	20	43.8	13	40.3	6	41		
									7	42		

$$G.F = \frac{\text{count of } \cancel{\text{sample}}\ \text{source for 5 min}}{3000} = G.F \text{ in } \% \text{ - use as decimal}$$

Formula

$$\mu c/gm = \frac{c/m/gm.}{3.7 \times 10^4 \times 60 \times G.F \text{ (in decimal form)}}$$