

**Between the Bricks:  
Making mortar visible in the archaeological record of  
Chatham and Effingham Counties, Georgia from 1830 to 1930.**

Volume 2 of 3: Appendices A, B and C

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*Appendix A*  
*Human Population Statistical Data*

**A1: Division of Ward population data to conform to 1830 GMD01.**

Ward	Page	Free White	Slave	Free Colored	All Colored	Total	
Oglethorpe	266	5	-	-	-	5	
	267	89	61	9	70	159	
	268	95	86	19	105	200	
	269	96	95	16	111	207	
	270	78	63	18	81	159	
	271	55	100	19	119	174	
	272	13	2	2	4	17	
	Total		431	407	83	490	921
New Franklin	272	110	42	-	42	152	
	Total		110	42	-	42	152
	50%		55	21	-	21	76
Old Franklin	256	92	72	3	75	167	
	257	121	76	1	77	198	
	Total		213	148	4	152	365
	50%		107	74	2	76	183
Liberty	258	121	151	-	151	272	
	259	58	67	9	76	134	
	Total		179	218	9	227	406
	50%		90	109	5	114	203
Elbert	265	37	33	-	33	70	
	266	109	151	4	155	264	
	Total		146	184	4	188	334
	50%		73	92	2	94	167
Total			755	703	92	795	1550

**A2: Division of Ward population data to conform to 1830 GMD02.**

Ward	Page	Free White	Slave	Free Colored	All Colored	Total
New Franklin	272	110	42	-	42	152
	Total	110	42	-	42	152
	50%	55	21	-	21	76
Old Franklin	256	92	72	3	75	167
	257	121	76	1	77	198
	Total	213	148	4	152	365
	50%	107	74	2	76	183
Liberty	258	121	151	-	151	272
	259	58	67	9	76	134
	Total	179	218	9	227	406
	50%	90	109	5	114	203
Elbert	265	37	33	-	33	70
	266	109	151	4	155	264
	Total	146	184	4	188	334
	50%	73	92	2	94	167
Decker	255	131	62	3	65	196
	256	5	2	-	2	7
	Total	136	64	3	67	203
	50%	68	32	2	34	102
Heathcote	259	59	78	6	84	143
	260	98	66	13	79	177
	261	77	70	17	87	164
	Total	234	214	36	250	484
	50%	117	107	18	125	242
Jackson	264	42	90	-	90	132
	265	116	137	-	137	253
	Total	158	227	-	227	385
	50%	79	114	-	114	193
Total		588	549	28	577	1165

**A3: Division of Ward population data to conform to 1830 GMD03.**

Ward	Page	Free White	Slave	Free Colored	All Colored	Total
Decker	255	131	62	3	65	196
	256	5	2	-	2	7
	Total	136	64	3	67	203
	50%	68	32	2	34	102
Heathcote	259	59	78	6	84	143
	260	98	66	13	79	177
	261	77	70	17	87	164
	Total	234	214	36	250	484
	50%	117	107	18	125	242
Jackson	264	42	90	-	90	132
	265	116	137	-	137	253
	Total	158	227	-	227	385
	50%	79	114	-	114	193
Darby	252	74	106	10	116	190
	253	196	147	15	162	358
	254	199	94	5	99	298
	Total	469	347	30	377	846
Percival	261	32	44	-	44	76
	262	103	81	17	98	201
	263	93	142	-	142	235
	Total	228	267	17	284	512
Brown	263	41	56	1	57	98
	264	113	144	2	146	259
	Total	154	200	3	203	357
Reynolds	248	15	11	6	17	32
	249	156	102	4	106	262
	250	67	68	8	76	143
	Total	238	181	18	199	437
	50%	119	91	9	100	219
Anson	250	49	37	3	40	89
	251	107	150	10	160	267
	252	62	51	-	51	113
	Total	218	238	13	251	469
	50%	109	119	7	126	235
Total		1343	1276	85	1361	2704

**A4: Division of Ward population data to conform to 1830 GMD04.**

Ward	Page	Free White	Slave	Free Colored	All Colored	Total
Reynolds	248	15	11	6	17	32
	249	156	102	4	106	262
	250	67	68	8	76	143
	Total	238	181	18	199	437
	50%	119	91	9	100	219
Anson	250	49	37	3	40	89
	251	107	150	10	160	267
	252	62	51	-	51	113
	Total	218	238	13	251	469
	50%	109	119	7	126	235
Warren	243	62	45	5	50	112
	244	82	79	34	113	195
	245	28	38	-	38	66
	Total	172	162	39	201	373
Columbia	245	77	91	6	97	174
	246	87	102	16	118	205
	247	16	-	-	-	16
	Total	180	193	22	215	395
Washington	242	98	25	14	39	137
	243	24	22	1	23	47
	Total	122	47	15	62	184
Green	247	57	25	23	48	105
	248	68	70	10	80	148
	Total	125	95	33	128	253
Total		827	707	125	831	1658

Ancestry	GMD	Page	Row	Names of Heads of Families	Free White Persons (Including Heads of Families) - Males																
					Under 5	5 to 10	10 to 15	15 to 20	20 to 30	30 to 40	40 to 50	50 to 60	60 to 70	70 to 80	80 to 90	90 to 100	≥ 100				
English	9	104	18	Dasher, Solomon	1	1	1														
English	9	105	1	Carlton, John	1	1	2	2													
English	9	105	18	Nease, Godlieb	2		1	1				1									
English	9	105	23	Dasher, Christian			2	2				1									
English	9	106	19	Blance, Joseph G	1				2	1											
English	9	107	16	Dasher, Christian H	1						1										
English	9	108	12	Dasher, John	1																
English	9	108	19	Tiot, Charles			1				1										
English	9	111	9	Bowman, Robert	1	1	2						1								
English	9	114	25	Horning, Philip	2				1	1											
				Subtotal	10	4	8	5	4	3	2	3	0	0	0	0	0	0	0	0	0

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**A5: Persons listed in the 1830 United States Census whose primary residence was located in GMD09 with a Head of Household with an English surname.**

Page	Row	Free White Persons (Including Heads of Families) - Females										Slaves - Males					Slaves - Females									
		Under 5	5 to 10	10 to 15	15 to 20	20 to 30	30 to 40	40 to 50	50 to 60	60 to 70	70 to 80	80 to 90	90 to 100	≥ 100	Under 10	10 to 24	24 to 36	36 to 55	55 to 100	≥ 100						
104	18	1	1	2			1							2	2	2	2			4	4	2	2			
105	1													5	2					1	2		1			
105	18		2	1			1							2	1						2					
105	23	1	1	1				1						3	1						2		1			
106	19	2												2						1	1	1				
107	16	1	2	1			1													1	2	1				
108	12				1																1	2	1			
108	19		1				1							2	4	1	1	1		2	3	1	2	1		
111	9		1		1		1								1											
114	25	1					1																			
Subtotal		6	8	5	2	3	3	2	0	1	0	0	0	16	14	5	9	1	1	9	16	6	5	2	0	

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**A5 (Cont.): Persons listed in the 1830 United States Census whose primary residence was located in GMD09 with a Head of Household with an English surname.**



Page	Row	Free Colored Persons - Male						Free Colored Persons - Female						FWP		S		FCP		Total
		Under 10	10 to 24	24 to 36	36 to 55	55 to 100	≥ 100	Under 10	10 to 24	24 to 36	36 to 55	55 to 100	≥ 100	Males	Females	Males	Females	Males	Females	
104	18													4	5	8	12	0	0	273
105	1													6	0	7	4	0	0	229
105	18													5	4	4	2	0	0	261
105	23													5	4	6	3	0	0	274
106	19													4	3	5	3	0	0	265
107	16													2	5	5	4	0	0	262
108	12													2	1	0	0	0	0	243
108	19													2	3	9	9	0	0	277
111	9													5	3	1	1	0	0	250
114	25													4	2	0	0	0	0	284
Subtotal		0	0	0	0	0	0	0	0	0	0	0	0	39	30	45	38	0	0	2618

**A5 (Cont.): Persons listed in the 1830 United States Census whose primary residence was located in GMD09 with a Head of Household with an English surname.**

Ancestry	GMD	Page	Row	Names of Heads of Families	Free White Persons (Including Heads of Families) - Males													
					Under 5	5 to 10	10 to 15	15 to 20	20 to 30	30 to 40	40 to 50	50 to 60	60 to 70	70 to 80	80 to 90	90 to 100	> 100	
Salzburger	9	104	1	Gugel, David				1						1				
Salzburger	9	104	15	Ulmer, Philip	1		2	2	1			1						
Salzburger	9	104	24	Seckinger, Joshua	2	1	2			1								
Salzburger	9	105	10	Burckstiner, Matthew				1					1					
Salzburger	9	105	16	Fetzer, John G			1	1			1							
Salzburger	9	105	21	Mingledorff, John G	2	1	1	2			1							
Salzburger	9	106	6	Zittrour, Gottlieb			4	1	1					1				
Salzburger	9	106	18	Bergman, C F						1								
Salzburger	9	106	21	Neidlinger, Samuel	3					1								
Salzburger	9	107	20	Rahn, Joseph			1		1				1					
Salzburger	9	107	22	Waldhauer, John	1	2	1	1	1		1							
Salzburger	9	107	26	Cramer, Solomon									1					
Salzburger	9	108	4	Burckstiner, Samuel									1					
Salzburger	9	114	14	Weitman, Israel								1						
Salzburger	9	114	16	Arnstorff, Solomon	1													
Salzburger	9	114	24	Gnann, Andrew	1			1						1				
				Subtotal	11	8	12	9	5	5	5	4	4	5	2	0	0	0

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**A6: Persons listed in the 1830 United States Census whose primary residence was located in GMD09 with a Head of Household with a Salzburger surname.**

Page	Row	Free White Persons (Including Heads of Families) - Females										Slaves - Males					Slaves - Females																								
		Under 5	5 to 10	10 to 15	15 to 20	20 to 30	30 to 40	40 to 50	50 to 60	60 to 70	70 to 80	80 to 90	90 to 100	≥ 100	Under 10	10 to 24	24 to 36	36 to 55	55 to 100	≥ 100	Under 10	10 to 24	24 to 36	36 to 55	55 to 100	≥ 100															
104	1								1												7	2							2	5	3	1									
104	15	1				1															2	3	5					4	4	3	6										
104	24	1	1																																						
105	10						1														2							2	1	1											
105	16		1					1													1							1	1	1											
105	21	1	1	1																	1							2	3							1					
106	6				1																1																				
106	18					1															1	1																			
106	21		1	1						1																															
107	20											1																													
107	22			1	1						1																														
107	26		1	1							1																														
108	4	1	1									1									1	1	1						1	1											
114	14	3	1								1																														
114	16		1	1																																					
114	24		2	1	1	1					1																														
	Subtotal	7	10	7	3	3	4	6	3	0	1	0	0	0	0	0	15	11	8	15	3	0	0	0	0	14	18	10	7	1	0										

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**A6 (Cont.): Persons listed in the 1830 United States Census whose primary residence was located in GMD09 with a Head of Household with a Salzburger surname.**

Page	Row	Free Colored Persons - Male						Free Colored Persons - Female						FWP		S		FCP		Total
		Under 10	10 to 24	24 to 36	36 to 55	55 to 100	≥ 100	Under 10	10 to 24	24 to 36	36 to 55	55 to 100	≥ 100	Males	Females	Males	Females	Males	Females	
104	1													2	1	14	11	0	0	238
104	15													7	2	17	17	0	0	281
104	24													6	4	0	0	0	0	266
105	10													2	1	2	4	0	0	239
105	16													3	2	3	3	0	0	253
105	21													7	4	7	6	0	0	276
106	6													7	2	0	1	0	0	234
106	18													1	1	5	2	0	0	257
106	21													4	3	0	1	0	0	262
107	20													3	1	0	2	0	0	260
107	22													7	3	0	0	0	0	268
107	26													2	3	0	0	0	0	271
108	4													2	3	3	2	0	0	234
114	14													3	5	1	1	0	0	266
114	16													2	3	0	0	0	0	265
114	24													3	6	0	0	0	0	285
Subtotal		0	0	0	0	0	0	0	0	0	0	0	0	61	44	52	50	0	0	4155

**A6 (Cont.): Persons listed in the 1830 United States Census whose primary residence was located in GMD09 with a Head of Household with a Salzburger surname.**

Ancestry	GMD	Page	Row	Names of Heads of Families	Free White Persons (Including Heads of Families) - Males														
					Under 5	5 to 10	10 to 15	15 to 20	20 to 30	30 to 40	40 to 50	50 to 60	60 to 70	70 to 80	80 to 90	90 to 100	> 100		
English	10	106	7	Dykes, Jesse				1						1					
English	10	108	20	Elkins, Thomas		1	1												
English	10	110	1	Curry, John	1					1									
English	10	110	3	Willis, Furney	2	1	1	1		1					1				
English	10	110	10	Powers, Zara						1									
English	10	110	12	Tyson, Cammel				2	1					1					
English	10	112	15	Burton, Robert		1	1	1				1							
English	10	112	18	Burton, Henry A						1									
English	10	115	3	Powers, John				1							1				
English	10	115	12	Downs, William				1	1						1				
English	10	115	14	Philips, Oneseious	1	2				1									
English	10	115	18	Bryan, James				1	1					1					
English	10	115	21	Bryan, Isaac	1	1				1									
English	10	115	26	Hines, Howell	1	1	1	1	1	2				1					
				Subtotal	6	7	6	7	6	6	4	3	2	3	3	0	0	0	0
Salzburger	10	108	7	Hinely, Israel		1	1	2	1				1						
Salzburger	10	109	1	Heidt, John G	2	1			1										
Salzburger	10	109	20	Hinely, Solomon	3			1				1							
				Subtotal	5	2	1	3	2	2	0	1	1	1	0	0	0	0	0

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**A7: Persons listed in the 1830 United States Census whose primary residence was located in GMD10, listed by Head of Households with an English or Salzburger surname.**

Page	Row	Free White Persons (Including Heads of Families) - Females											Slaves - Males					Slaves - Females																						
		Under 5	5 to 10	10 to 15	15 to 20	20 to 30	30 to 40	40 to 50	50 to 60	60 to 70	70 to 80	80 to 90	90 to 100	≥ 100	Under 10	10 to 24	24 to 36	36 to 55	55 to 100	≥ 100	Under 10	10 to 24	24 to 36	36 to 55	55 to 100	≥ 100														
106	7					1	1																	1																
108	20	1	1	1																				4	3	1														
110	1		3	2		1																																		
110	3	1	1	1																																				
110	10																									1														
110	12	1				1							1																											
112	15			1		1																		12	16	3	3													
112	18	3			1																		2	2	1															
115	3													1									4	2	4															
115	12				1																																			
115	14	1	1		1																																			
115	18				2							1																												
115	21		1			1																																		
115	26																																							
	Subtotal	7	7	5	2	6	4	0	4	3	0	0	0	0	0	0	0	0	0	0	0	0	19	28	19	20	2	0	0	0	0	0	0	0	0	0	0	0	0	
108	7				1				1																															
109	1	1				1																																		
109	20			1	2	1																																		
	Subtotal	1	0	1	3	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

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**A7 (Cont.): Persons listed in the 1830 United States Census whose primary residence was located in GMD10, listed by Head of Households with an English or Salzburger surname.**

Page	Row	Free Colored Persons - Male						Free Colored Persons - Female						Total		FWP		S		FCP		Total
		Under 10	10 to 24	24 to 36	36 to 55	55 to 100	≥ 100	Under 10	10 to 24	24 to 36	36 to 55	55 to 100	≥ 100	Males	Females	Males	Females	Males	Females	Males	Females	
106	7															2	2	0	1	0	0	231
108	20															4	4	9	8	0	0	281
110	1															2	6	0	0	0	0	230
110	3															7	4	0	0	0	0	237
110	10															1	0	4	1	0	0	246
110	12															4	3	0	0	0	0	251
112	15															4	2	40	34	0	0	334
112	18															1	4	4	3	0	0	272
115	3															2	1	10	4	0	0	253
115	12															3	2	0	0	0	0	259
115	14															4	3	0	0	0	0	265
115	18															3	3	0	0	0	0	272
115	21															3	2	0	0	0	0	277
115	26															7	2	21	13	0	0	325
	Subtotal	0	0	0	0	0	0	0	0	0	0	0	0	0	47	38	88	64	0	0	0	3733
108	7															6	2	0	0	0	0	238
109	1															4	2	0	0	0	0	226
109	20															5	4	0	0	0	0	267
	Subtotal	0	0	0	0	0	0	0	0	0	0	0	0	15	8	0	0	0	0	0	0	731

**A7 (Cont.): Persons listed in the 1830 United States Census whose primary residence was located in GMD10, listed by Head of Households with an English or Salzburger surname.**

Ancestry	GMD	Page	Row	Names of Heads of Families	Free White Persons (Including Heads of Families) - Males																		
					Under 5	5 to 10	10 to 15	15 to 20	20 to 30	30 to 40	40 to 50	50 to 60	60 to 70	70 to 80	80 to 90	90 to 100	> 100						
English	11	104	6	Myers, Lewis		1							1										
English	11	106	23	Blicht, Benjamin		2	1	1					1										
English	11	108	18	Pace, Trion					2				1										
English	11	109	11	Berry, John B	2				2														
English	11	113	10	Wylly, Thomas																	1		
English	11	113	22	Dasher, Benjamin				1													1		
				Subtotal	2	3	1	2	6	0	0	0	3	2	0	0	0	0	0	0	0	0	0
Salzburger	11	104	8	Grovensteine, Henry L	1	1	2														1		
Salzburger	11	105	2	Gnann, Joshua	1			1	1														
Salzburger	11	105	11	Seckinger, Jonathan	1																	1	
Salzburger	11	106	14	Gnann, Solomon	1				1														
Salzburger	11	107	6	Zittrour, George				1	1														
Salzburger	11	108	8	Wisnbaker, Christian											1								
Salzburger	11	108	26	Exley, John W	1	1		1							1								
Salzburger	11	109	14	Zittrour, Solomon				1	1						1								
Salzburger	11	109	16	Helvenston, Joseph F				1															
Salzburger	11	111	7	Metzger Sr, David					3												1		
Salzburger	11	113	15	Reyser, Matthew				1					1										
Salzburger	11	114	12	Gnann, Christopher		1									1								
Salzburger	11	114	13	Gnann, Solomon	1																		
				Subtotal	6	4	3	5	8	3	3	1	2	2	1	0	0	0	0	0	0	0	0

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**A8: Persons listed in the 1830 United States Census whose primary residence was located in GMD11, listed by Head of Households with an English or Salzburger surname.**



Page	Row	Free White Persons (Including Heads of Families) - Females										Slaves - Males					Slaves - Females											
		Under 5	5 to 10	10 to 15	15 to 20	20 to 30	30 to 40	40 to 50	50 to 60	60 to 70	70 to 80	80 to 90	90 to 100	≥ 100	Under 10	10 to 24	24 to 36	36 to 55	55 to 100	≥ 100	Under 10	10 to 24	24 to 36	36 to 55	55 to 100	≥ 100		
104	6	1	1	2	1	1	1	1									1	2			1	1	2	1				
106	23				1	1												1						1				
108	18				1	2		1																				
109	11			1		1																						
113	10							1																				
113	22					2																						
	Subtotal	1	1	3	3	6	1	1	3	0	0	0	0	0	0	0	7	4	6	5	3	0	6	7	2	1	5	0
104	8			1		1	1										1	3	4	1		3	1	1				
105	2	2		1																								
105	11			1		1				1																		
106	14					1																						
107	6					1																						
108	8			3	1	2		1																				
108	26			1		1																						
109	14							1																				
109	16			1				1																				
111	7					1																						
113	15																											
114	12			1				1																				
114	13					1																						
	Subtotal	7	4	4	2	7	4	2	0	2	0	0	0	0	0	5	8	10	4	4	1	0	8	5	3	1	0	

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**A8 (Cont.): Persons listed in the 1830 United States Census whose primary residence was located in GMD11, listed by Head of Households with an English or Salzburger surname.**

Page	Row	Free Colored Persons - Male						Free Colored Persons - Female						FWP		S		FCP		Total
		Under 10	10 to 24	24 to 36	36 to 55	55 to 100	≥ 100	Under 10	10 to 24	24 to 36	36 to 55	55 to 100	≥ 100	Males	Females	Males	Females	Males	Females	
104	6													3	7	4	4	0	0	238
106	23													6	2	1	2	0	0	269
108	18													3	4	0	0	0	0	259
109	11													4	2	2	0	0	0	248
113	10													1	1	12	15	0	0	275
113	22													2	3	6	0	0	0	281
	Subtotal	0	0	0	0	0	0	0	0	0	0	0	0	19	19	25	21	0	0	1570
104	8													5	3	9	6	0	0	247
105	2													3	4	0	0	0	0	221
105	11													2	3	1	0	0	0	238
106	14													2	1	1	0	0	0	244
107	6													2	1	0	0	0	0	229
108	8													2	7	1	1	0	0	243
108	26													4	4	0	0	0	0	276
109	14													3	1	0	1	0	0	251
109	16													2	2	4	2	0	0	260
111	7													4	2	11	9	0	0	262
113	15													2	0	1	0	0	0	259
114	12													2	3	0	1	0	0	258
114	13													2	1	0	0	0	0	257
	Subtotal	0	0	0	0	0	0	0	0	0	0	0	0	35	32	28	20	0	0	3245

**A8 (Cont.): Persons listed in the 1830 United States Census whose primary residence was located in GMD11, listed by Head of Households with an English or Salzburger surname.**

Ancestry	GMD	Page	Row	Names of Heads of Families	Free White Persons (Including Heads of Families) - Males													
					Under 5	5 to 10	10 to 15	15 to 20	20 to 30	30 to 40	40 to 50	50 to 60	60 to 70	70 to 80	80 to 90	90 to 100	> 100	
English	12	104	5	King, William		1	1	1										
English	12	104	9	Goldwire, John		2	1	1			1							
English	12	105	9	Southwell, John L			2	1			1							
English	12	105	19	Wheeler, Jesse	1		1	1					1					
English	12	106	3	Crawford, John	1					1								
English	12	106	10	Edwards, Obadiah		1		2	1			1						
English	12	106	12	Morgan, William				1	3					1				
English	12	107	4	Wilson, Luke		1	1				1							
English	12	109	6	Morgan, William	1	1				1								
English	12	109	18	Wilson, John		2			1									
English	12	110	9	Wilson, James				1						1				
English	12	110	14	Morgan, Thomas		1	1	2	1		1							
English	12	110	21	Dudley, William G						1								
English	12	111	13	Walsingham, Catherine						1								
English	12	112	13	Hurst, William		1			1					1				
English	12	112	24	Bevill, Paul														
English	12	113	8	Ambrose, David							1							
English	12	113	9	Ryals, Charles				1	1					1				
Salzburger	12	105	15	Rahn, Jonathan				1	1	0	1	0	1	0	0	1	0	0
				Subtotal	3	10	9	11	9	2	5	5	2	0	0	0	0	0
				Subtotal	0	0	1	0	1	0	0	0	0	1	0	0	0	0

(Continued on next page)

**A9: Persons listed in the 1830 United States Census whose primary residence was located in GMD12, listed by Head of Households with an English or Salzburger surname.**

Page	Row	Free White Persons (Including Heads of Families) - Females										Slaves - Males				Slaves - Females																								
		Under 5	5 to 10	10 to 15	15 to 20	20 to 30	30 to 40	40 to 50	50 to 60	60 to 70	70 to 80	80 to 90	90 to 100	≥ 100	Under 10	10 to 24	24 to 36	36 to 55	55 to 100	≥ 100																				
104	5	2	2	2	1		1							4	2		7	2					5	4																
104	9	1	1	2	1	2								7	9	6	6	3						10	8	4	5	1												
105	9				2							1																												
105	19	1	1				1																																	
106	3	2	1				1																																	
106	10	2	1	1	1		1		1																															
106	12				2				1																															
107	4	2	1		1		1																																	
109	6	1			1		1																																	
109	18	1	1				1																																	
110	9			1	1		1																					2	1											
110	14				1		1																				1	1												
110	21			2																							3	2	1											
111	13				1				1																															
112	13	1			1																						3	3	1											
112	24																										6	4	1	4	2									
113	8	1				1																				1														
113	9	1		2	1				1																	3	2	1												
	Subtotal	15	7	11	12	5	1	8	4	0	2	1	0	0	24	10	21	8	0	35	22	9	11	1	0	6	2	1	2											
105	15		1	1		1	1								1	3	2	1																						
	Subtotal	0	1	1	0	1	1	0	0	0	0	0	0	0	1	3	2	1	0	0	1	0	0	1	0	0	0	0	0	1	0	1	0	1	0	1	0	0		

(Continued on next page)

**A9 (Cont.): Persons listed in the 1830 United States Census whose primary residence was located in GMD12, listed by Head of Households with an English or Salzburger surname.**

Page	Row	Free Colored Persons - Male						Free Colored Persons - Female						FWP		S		FCP		Total
		Under 10	10 to 24	24 to 36	36 to 55	55 to 100	≥ 100	Under 10	10 to 24	24 to 36	36 to 55	55 to 100	≥ 100	Males	Females	Males	Females	Males	Females	
104	5													4	7	15	12	0	0	256
104	9							2		1				5	7	31	28	0	3	300
105	9													4	3	1	0	0	0	236
105	19													4	3	0	0	0	0	255
106	3													3	4	0	0	0	0	225
106	10													5	7	0	0	0	0	244
106	12													5	4	0	1	0	0	246
107	4													3	5	0	0	0	0	230
109	6													3	3	0	0	0	0	236
109	18													3	3	0	0	0	0	260
110	9													2	3	3	3	0	0	249
110	14													6	2	2	2	0	0	260
110	21													1	2	6	4	0	0	275
111	13													1	2	0	0	0	0	251
112	13													3	4	7	5	0	0	269
112	24													0	0	17	12	0	0	301
113	8													1	2	1	0	0	0	246
113	9													3	5	6	11	0	0	269
	Subtotal	0	0	0	0	0	0	2	0	1	0	0	0	56	66	89	78	0	3	4608
105	15													3	4	7	2	0	0	256
	Subtotal	0	0	0	0	0	0	0	0	0	0	0	0	3	4	7	2	0	0	256

**A9 (Cont.): Persons listed in the 1830 United States Census whose primary residence was located in GMD12, listed by Head of Households with an English or Salzburger surname.**

Ancestry	GMD	Page	Row	Names of Heads of Families	Free White Persons (Including Heads of Families) - Males												
					Under 5	5 to 10	10 to 15	15 to 20	20 to 30	30 to 40	40 to 50	50 to 60	60 to 70	70 to 80	80 to 90	90 to 100	> 100
Unidentified		104		Subtotal	8	6	18	6	6	9	5	2	2	0	0	0	0
Unidentified		105		Subtotal	9	4	4	4	7	4	4	1	1	0	0	0	0
Unidentified		106		Subtotal	12	4	4	2	5	7	0	4	1	1	0	0	0
Unidentified		107		Subtotal	21	9	9	8	8	6	4	1	1	1	0	0	0
Unidentified		108		Subtotal	12	8	4	6	8	5	1	2	1	0	0	0	0
Unidentified		109		Subtotal	18	9	14	7	8	8	7	2	0	0	0	0	0
Unidentified		110		Subtotal	13	2	6	3	7	6	3	5	2	0	0	0	0
Unidentified		111		Subtotal	13	11	9	4	8	4	5	0	1	2	1	0	0
Unidentified		112		Subtotal	6	4	2	4	5	7	5	1	0	0	0	1	0
Unidentified		113		Subtotal	3	1	3	1	9	3	3	1	0	1	0	0	0
Unidentified		114		Subtotal	1	3	8	4	14	7	0	2	2	0	0	0	0
Unidentified		115		Subtotal	10	6	7	7	11	3	4	4	1	0	0	0	0
Unidentified		116		Subtotal	3	6	0	1	4	0	4	0	1	0	0	0	0
				Total Unidentified	129	78	88	57	100	69	45	25	13	5	1	1	0
				Total English	21	24	24	25	25	9	10	13	7	3	0	0	0
				Total Salzburger	22	14	17	17	16	8	6	8	5	1	0	0	0
				Total Identified	43	38	41	42	41	17	16	21	12	4	0	0	0
				Grand Total	172	116	129	99	141	86	61	46	25	9	1	1	0

(Continued on next page)

**A10: Total persons listed per page in the 1830 United States Census whose primary residence location was not identified in the Effingham County Plat Records.**

Page	Row	Free White Persons (Including Heads of Families) - Females										Slaves - Males				Slaves - Females											
		Under 5	5 to 10	10 to 15	15 to 20	20 to 30	30 to 40	40 to 50	50 to 60	60 to 70	70 to 80	80 to 90	90 to 100	Under 10	10 to 24	24 to 36	36 to 55	55 to 100	Under 10	10 to 24	24 to 36	36 to 55	55 to 100	> 100			
104		8	7	10	11	9	7	5	2	1	0	0	0	0	11	10	5	6	5	0	0	7	8	4	9	2	0
105		9	10	4	1	9	2	3	1	1	0	0	0	0	4	2	1	1	2	0	0	3	5	1	1	1	0
106		5	6	2	2	5	5	1	1	0	1	0	1	0	1	6	7	5	3	0	0	5	6	2	1	0	0
107		10	10	8	6	11	6	4	2	1	1	0	0	0	3	3	1	1	2	0	0	5	3	3	1	1	0
108		9	6	3	0	9	4	1	1	1	0	0	0	0	5	5	2	1	2	0	0	8	7	0	2	1	0
109		12	11	6	4	7	8	3	1	0	3	0	0	0	6	5	0	3	3	0	0	3	3	2	5	0	0
110		11	6	5	3	3	7	4	2	1	1	0	0	0	8	10	1	8	1	0	0	10	5	4	5	0	0
111		7	8	7	8	3	8	5	0	1	0	1	0	0	14	7	4	4	4	0	0	7	8	4	7	2	0
112		6	6	2	3	8	4	3	0	1	1	0	0	0	19	12	17	15	8	0	0	29	16	22	10	5	0
113		7	3	4	10	18	1	4	3	3	1	0	0	0	3	13	6	6	3	0	0	8	14	3	4	2	0
114		6	8	3	8	7	5	3	4	1	0	0	0	0	4	2	0	7	3	0	0	4	4	2	3	0	0
115		10	7	6	8	12	1	4	2	0	0	0	0	0	4	6	0	4	0	0	0	3	5	0	2	1	0
116		4	9	2	2	2	3	2	0	1	1	0	0	0	2	2	2	0	1	0	0	1	2	1	1	1	0
Unidentified		104	97	62	66	103	61	42	19	12	9	1	1	0	84	83	46	61	37	0	93	86	48	51	16	0	0
English		29	23	24	19	20	9	11	11	4	2	1	0	0	68	70	40	55	14	0	71	72	26	24	8	0	0
Salzburger		15	15	13	8	11	11	8	4	2	1	0	0	0	20	20	21	21	5	0	22	24	13	11	2	0	0
Identified		44	38	37	27	31	20	19	15	6	3	1	0	0	88	90	61	76	19	0	93	96	39	35	10	0	0
Grand Total		148	135	99	93	134	81	61	34	18	12	2	1	0	172	173	107	137	56	0	186	182	87	86	26	0	0

(Continued on next page)

**A10 (Cont.): Total persons listed per page in the 1830 United States Census whose primary residence location was not identified in the Effingham County Plat Records.**

Page	Row	Free Colored Persons - Male						Free Colored Persons - Female						Total	FWP		S		FCP		Total
		Under 10	10 to 24	24 to 36	36 to 55	55 to 100	≥ 100	Under 10	10 to 24	24 to 36	36 to 55	55 to 100	≥ 100		Males	Females	Males	Females	Males	Females	
104		0	0	0	0	0	0	0	0	0	0	0	0	189	62	60	37	30	0	0	189
105		0	0	0	0	0	0	0	0	0	0	0	0	104	43	40	10	11	0	0	104
106		0	0	0	0	0	0	0	0	1	0	0	0	106	40	29	22	14	0	1	106
107		0	0	0	0	0	0	0	0	0	0	0	0	150	68	59	10	13	0	0	150
108		0	0	0	0	0	0	0	0	0	0	0	0	114	47	34	15	18	0	0	114
109		0	0	0	0	0	0	0	0	0	0	0	0	158	73	55	17	13	0	0	158
110		0	0	0	0	0	0	0	0	0	0	0	0	142	47	43	28	24	0	0	142
111		0	0	0	0	1	0	0	0	0	0	0	0	168	58	48	33	28	1	0	168
112		0	0	0	0	0	0	0	0	0	0	0	0	222	35	34	71	82	0	0	222
113		0	0	0	0	0	0	0	0	0	0	0	0	141	25	54	31	31	0	0	141
114		0	0	0	0	0	0	0	0	0	0	0	0	115	41	45	16	13	0	0	115
115		0	0	0	0	0	0	0	0	0	0	0	0	128	53	50	14	11	0	0	128
116		0	0	0	0	0	0	0	0	0	0	0	0	58	19	26	7	6	0	0	58
Unidentified		0	0	0	0	1	0	0	0	0	0	0	0	1795	611	577	311	294	1	1	1795
English		0	0	0	0	0	0	0	2	0	0	1	0	765	161	153	247	201	0	3	12529
Salzburger		0	0	0	0	0	0	0	0	0	0	0	0	361	114	88	87	72	0	0	8387
Identified		0	0	0	0	0	0	0	2	0	0	1	0	1126	275	241	334	273	0	3	20916
Grand Total		0	0	0	0	1	0	0	2	0	0	2	0	2921	886	818	645	567	1	4	22711

**A10 (Cont.): Total persons listed per page in the 1830 United States Census whose primary residence location was not identified in the Effingham County Plat Records.**



GMD/Study Area	Description	FWP		S		FCP		Total	
		Subtotal	Percent	Subtotal	Percent	Subtotal	Percent	Total	Percent
GMD09	English	69	40%	83	45%	0	0%	152	42%
GMD09	Salzburger	105	60%	102	55%	0	0%	207	58%
GMD09	Total	174	100%	185	100%	0	0%	359	100%
GMD10	English	85	79%	152	100%	0	0%	237	24%
GMD10	Salzburger	23	21%	0	0%	0	0%	731	76%
GMD10	Total	108	100%	152	100%	0	0%	968	100%
GMD11	English	38	36%	46	49%	0	0%	1570	33%
GMD11	Salzburger	67	64%	48	51%	0	0%	3245	67%
GMD11	Total	105	100%	94	100%	0	0%	4815	100%
GMD12	English	122	95%	167	95%	3	100%	4608	95%
GMD12	Salzburger	7	5%	9	5%	0	0%	256	5%
GMD12	Total	129	100%	176	100%	3	100%	4864	100%
Effingham County	English	314	61%	448	74%	3	100%	12529	74%
Effingham County	Salzburger	202	39%	159	26%	0	0%	4439	26%
Effingham County	Total	516	100%	607	100%	3	100%	16968	100%
Effingham County	Unidentified	1188	70%	605	50%	2	40%	1795	8%
Effingham County	Identified	516	30%	607	50%	3	60%	20916	92%
Effingham County	Total	1704	100%	1212	100%	5	100%	22711	100%

**A11: Total persons listed per GMD in the 1830 United States Census by English or Salzburger surname.**

**A12: 1830-1 Urban population group: GMD01, GMD02, GMD03 and GMD04**

Free white	GMD01 and GMD02	P=0.360
	GMD01 and GMD03	P=0.561
	GMD01 and GMD04	P=0.530
	GMD02 and GMD03	P=0.628
	GMD02 and GMD04	P=0.727
	GMD03 and GMD04	P=0.907
Slave	GMD01 and GMD02	P=0.381
	GMD01 and GMD03	P=0.256
	GMD01 and GMD04	P=0.114
	GMD02 and GMD03	P=0.950
Free Black	GMD01 and GMD04	P=0.060
	GMD02 and GMD03	P=0.188
African American	GMD01 and GMD02	P=0.360
	GMD01 and GMD03	P=0.561
	GMD01 and GMD04	P=0.530
	GMD02 and GMD03	P=0.628
	GMD02 and GMD04	P=0.727
	GMD03 and GMD04	P=0.907

**A13: 1830-2 Sea Island population group: GMD05**

Note: None of the P-Values for 2 Proportion tests including GMD05 were greater than 0.05.

**A14: 1830-3 Rural Plantation population group: GMD06, GMD07 and GMD08**

Slave	GMD07 and GMD08	P=0.236
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**A15: 1830-4 Rural Farm Salzburger population group: GMD09 and GMD11**

Free white	GMD09 and GMD11	P=0.147
Slave	GMD09 and GMD11	P=0.147
African American	GMD09 and GMD11	P=0.147

**A16: 1830-5 Rural Farm English population group: GMD10 and GMD12**

Free white	GMD10 and GMD12	P=0.894
Slave	GMD10 and GMD12	P=0.911
African American	GMD10 and GMD12	P=0.894

**A17: 1830 Other 2 Proportion Tests with P-Values  $\geq$  0.05**

Free white	GMD02 and GMD10	P=0.097
	GMD02 and GMD12	P=0.112
	GMD04 and GMD12	P=0.045

Slave	GMD01 and GMD10	P=0.976
	GMD01 and GMD12	P=0.919
	GMD02 and GMD10	P=0.504
	GMD02 and GMD12	P=0.406
	GMD03 and GMD10	P=0.423
	GMD03 and GMD12	P=0.318
	GMD04 and GMD09	P=0.066
	GMD04 and GMD10	P=0.215
	GMD04 and GMD12	P=0.239
Free black	GMD04 and GMD05	P=0.253
	GMD06 and GMD08	P=0.286
	GMD06 and GMD09	P=0.045
	GMD06 and GMD10	P=0.045
	GMD06 and GMD11	P=0.045
	GMD06 and GMD12	P=0.141
	GMD07 and GMD12	P=0.496
	GMD08 and GMD09	P=0.157
	GMD08 and GMD10	P=0.157
African American	GMD08 and GMD11	P=0.157
	GMD08 and GMD12	P=0.052
	GMD02 and GMD10	P=0.097
	GMD02 and GMD12	P=0.112
	GMD04 and GMD12	P=0.045

**A18: 1880-1 Urban African American population group: GMD01 and GMD04**

Note: The P-Value for the 2 Proportion test for GMD01 and GMD04 was less than 0.05. This group was defined based on the proportion of African Americans in the population.

**A19: 1880-2 Urban European American population group: GMD02 and GMD03**

Note: The P-Value for the 2 Proportion test for GMD02 and GMD03 was less than 0.05. This group was defined based on the proportion of European Americans in the population.

**A20: 1880-3 Sea Island population group: GMD05**

Note: None of the P-Values for 2 Proportion tests including GMD05 were greater than 0.05.

**A21: 1880-4 Rural Plantation population group: GMD06, GMD07 and GMD08**

Note: The P-Values for the 2 Proportion tests including GMD06, GMD07 and GMD08 were less than 0.05. This group was defined based on the groups identified for 1830 and 1930.

**A22: 1880-5 Rural Farm Salzburger population group: GMD09 and GMD11**

Note: The P-Value for the 2 Proportion test for GMD09 and GMD11 was less than 0.05. This group was defined based on the groups identified for 1830.

**A23: 1880-6 Rural Farm English population group: GMD10 and GMD12**

Note: The P-Value for the 2 Proportion test for GMD10 and GMD12 was less than 0.05. This group was defined based on the groups identified for 1830.

**A24: 1880 Other 2 Proportion Tests with P-Values  $\geq$  0.05**

White	GMD04 and GMD12	P=0.102
Black	GMD04 and GMD12	P=0.106

**A25: 1930-1 Urban African American population group: GMD01**

Note: None of the P-Values for 2 Proportion tests including GMD01 were greater than 0.05. This group was defined based on the proportion of African Americans in the population.

**A26: 1930-2 Urban European American population group: GMD02 and GMD03**

Note: The P-Value for the 2 Proportion test for GMD02 and GMD03 was less than 0.05. This group was defined based on the proportion of European Americans in the population.

**A27: 1930-3 Sea Island population group: GMD04 and GMD05**

White	GMD04 and GMD05	P=0.124
Black	GMD04 and GMD05	P=0.131

**A28: 1930-4 Suburban European American population group: GMD06 and GMD08**

Note: The P-Value for the 2 Proportion test for GMD06 and GMD08 was less than 0.05. This group was defined based on the proportion of European Americans in the population.

**A29: 1930-5 Suburban African American population group: GMD07**

Note: None of the P-Values for 2 Proportion tests including GMD07 were greater than 0.05. This group was defined based on the proportion of African Americans in the population.

**A30: 1930-6 Rural Suburb population group: GMD09, GMD10 and GMD1559**

White	GMD09 and GMD10	P=0.525
	GMD09 and GMD1559	P=0.460
	GMD10 and GMD1559	P=0.808

Black	GMD09 and GMD10	P=0.525
	GMD09 and GMD1559	P=0.460
	GMD10 and GMD1559	P=0.808

**A31: 1930-7 Rural population group: GMD11 and GMD12**

Black	GMD11 and GMD12	P=0.105
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**A32: 1930 Other 2 Proportion Tests with P-Values  $\geq 0.05$**

White	GMD04 and GMD09	P=0.779
	GMD04 and GMD10	P=0.154
	GMD04 and GMD1559	P=0.221
	GMD04 and GMD10/GMD1559	P=0.068
	GMD05 and GMD09	P=0.335
	GMD05 and GMD10	P=0.032
	GMD05 and GMD1559	P=0.074
	GMD09 and GMD10/GMD1559	P=0.452
	GMD10 and GMD10/GMD1559	P=0.919
	GMD11 and GMD1559	P=0.105
	GMD1559 and GMD10/GMD1559	P=0.858
Black	GMD04 and GMD09	P=0.759
	GMD04 and GMD10	P=0.144
	GMD04 and GMD1559	P=0.213
	GMD04 and GMD10/GMD1559	P=0.062
	GMD05 and GMD09	P=0.329
	GMD05 and GMD1559	P=0.073
	GMD09 and GMD10/GMD1559	P=0.452
	GMD10 and GMD10/GMD1559	P=0.919
GMD1559 and GMD10/GMD1559	P=0.858	

Samples (GMD)	Sample 1			Sample 2			Estimate for difference	95% CI for difference		Test for difference		Fisher's exact test P-Value	
	X	N	Sample p	X	N	Sample p		Z	P-Value				
1	2			588	1164	0.50516	-0.0177434	-0.0557508	0.0202640	-0.91	<b>0.360</b>	0.372	
	2			1343	2704	0.49667	-0.00926036	-0.0404813	0.0219606	-0.58	<b>0.561</b>	0.566	
	3			827	1659	0.49849	-0.0110818	-0.0457008	0.0235371	-0.63	<b>0.530</b>	0.548	
	4			151	821	0.18392	0.303489	0.267131	0.339847	16.36	0.000	0.000	
	5			139	2020	0.06881	0.418599	0.391370	0.445829	30.13	0.000	0.000	
	6			158	1792	0.088170	0.399242	0.371100	0.427383	27.81	0.000	0.000	
	7	755	1549	0.48741	277	2581	0.10732	0.380088	0.352481	0.407696	26.98	0.000	0.000
	8				580	950	0.61053	-0.123115	-0.162878	-0.0833519	-6.07	0.000	0.000
	9				360	660	0.54546	-0.0580433	-0.103460	-0.0126267	-2.50	0.012	0.014
	10				350	540	0.64815	-0.160737	-0.208086	-0.113388	-6.65	0.000	0.000
	11				420	775	0.54194	-0.0545243	-0.0975366	-0.0115119	-2.48	0.013	0.014
	12				1343	2704	0.49667	0.00848304	-0.0258698	0.0428359	0.48	<b>0.628</b>	0.649
2	3			827	1659	0.49849	0.00666157	-0.0308063	0.0441295	0.35	<b>0.727</b>	0.731	
	4			151	821	0.18392	0.321233	0.282152	0.360313	16.11	0.000	0.000	
	5			139	2020	0.06881	0.436343	0.405572	0.467113	27.79	0.000	0.000	
	6			158	1792	0.088170	0.416985	0.385405	0.448565	25.88	0.000	0.000	
	7	588	1164	0.50516	277	2581	0.10732	0.397832	0.366726	0.428938	25.07	0.000	0.000
	8				580	950	0.61053	-0.105372	-0.147638	-0.0631049	-4.89	0.000	0.000
	9				360	660	0.54546	-0.0402999	-0.0879239	0.00732404	-1.66	<b>0.097</b>	0.108
	10				350	540	0.64815	-0.142994	-0.192464	-0.0935234	-5.67	0.000	0.000
	11				420	775	0.54194	-0.0367808	-0.0821177	0.00855602	-1.59	<b>0.112</b>	0.115
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A33: Test and CI for Two Proportions testing the statistical correlation of the free white population of each of the GMDs in 1830.

Samples (GMD)	Sample 1			Sample 2			Estimate for difference	95% CI for difference		Test for difference		Fisher's exact test P-Value	
	X	N	Sample p	X	N	Sample p		Z	P-Value				
3	2			827	1659	0.49849	-0.00182147	-0.0323833	0.0287404	-0.12	<b>0.907</b>	0.925	
	4			151	821	0.18392	0.312750	0.280231	0.345268	18.85	0.000	0.000	
	5			139	2020	0.06881	0.427860	0.406019	0.449700	38.40	0.000	0.000	
	6			158	1792	0.088170	0.408502	0.385535	0.431469	34.86	0.000	0.000	
	7			277	2581	0.10732	0.389349	0.367039	0.411659	34.20	0.000	0.000	
	8	1343	2704	0.49667	580	950	0.61053	-0.113855	-0.150141	-0.0775689	-6.15	0.000	0.000
	9			360	660	0.54546	-0.0487829	-0.0911884	-0.00637751	-2.25	0.024	0.027	
	10			350	540	0.64815	-0.151477	-0.195945	-0.107008	-6.68	0.000	0.000	
	11			420	775	0.54194	-0.0452639	-0.0850836	-0.00544414	-2.23	0.026	0.028	
	12			151	821	0.18392	0.314571	0.278778	0.350364	17.23	0.000	0.000	
	4	5			139	2020	0.06881	0.429681	0.403210	0.456153	31.81	0.000	0.000
		6			158	1792	0.088170	0.410323	0.382915	0.437732	29.34	0.000	0.000
7				277	2581	0.10732	0.391170	0.364310	0.418030	28.54	0.000	0.000	
8		827	1659	0.49849	580	950	0.61053	-0.112033	-0.151281	-0.0727855	-5.59	0.000	0.000
9				360	660	0.54546	-0.0469615	-0.0919276	-0.00199539	-2.05	0.041	0.043	
10				350	540	0.64815	-0.149655	-0.196572	-0.102738	-6.25	0.000	0.000	
11				420	775	0.54194	-0.0434424	-0.0859788	-0.000906080	-2.00	<b>0.045</b>	0.050	
12				139	2020	0.06881	0.115110	0.0864022	0.143818	7.86	0.000	0.000	
5		6			158	1792	0.088170	0.0957524	0.0661782	0.125327	6.35	0.000	0.000
		7			277	2581	0.10732	0.0765993	0.0475324	0.105666	5.17	0.000	0.000
		8			580	950	0.61053	-0.426604	-0.467394	-0.385814	-20.50	0.000	0.000
		9	151	821	0.18392	360	660	0.54546	-0.361532	-0.407851	-0.315214	-15.30	0.000
	10			350	540	0.64815	-0.464226	-0.512440	-0.416012	-18.87	0.000	0.000	
	11			420	775	0.54194	-0.358013	-0.401977	-0.314050	-15.96	0.000	0.000	
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(Continued on next page)

**A33 (Cont.): Test and CI for Two Proportions testing the statistical correlation of the free white population of each of the GMDs in 1830.**

Samples (GMD)	Sample 1			Sample 2			Estimate for difference	95% CI for difference		Test for difference		Fisher's exact test P-Value
	X	N	Sample p	X	N	Sample p		Z	P-Value			
1	2			158	1792	0.088170	-0.0193578	-0.0365100	-0.00220557	-2.21	0.027	0.029
	7			277	2581	0.10732	-0.0385109	-0.0547727	-0.0222490	-4.64	0.000	0.000
	8			580	950	0.61053	-0.541714	-0.574629	-0.508800	-32.26	0.000	0.000
	9	139	2020	360	660	0.54546	-0.476643	-0.516202	-0.437083	-23.62	0.000	0.000
	10			350	540	0.64815	-0.579336	-0.621100	-0.537573	-27.19	0.000	0.000
	12			420	775	0.54194	-0.473124	-0.509897	-0.436350	-25.22	0.000	0.000
7	8			277	2581	0.10732	-0.0191531	-0.0368995	-0.00140673	-2.12	0.034	0.040
	9			580	950	0.61053	-0.522357	-0.556029	-0.488684	-30.40	0.000	0.000
	10	158	1792	360	660	0.54546	-0.457285	-0.497477	-0.417093	-22.30	0.000	0.000
	11			350	540	0.64815	-0.559979	-0.602342	-0.517615	-25.91	0.000	0.000
	12			420	775	0.54194	-0.453766	-0.491220	-0.416312	-23.75	0.000	0.000
	9			580	950	0.61053	-0.503204	-0.536432	-0.469976	-29.68	0.000	0.000
8	10			360	660	0.54546	-0.438132	-0.477952	-0.398311	-21.56	0.000	0.000
	11	277	2581	350	540	0.64815	-0.540825	-0.582836	-0.498815	-25.23	0.000	0.000
	12			420	775	0.54194	-0.434613	-0.471668	-0.397558	-22.99	0.000	0.000
	10			360	660	0.54546	0.0650718	0.0160352	0.114108	2.60	0.009	0.010
9	11	580	950	350	540	0.64815	-0.0376218	-0.0884532	0.0132096	-1.45	<b>0.147</b>	0.164
	12			420	775	0.54194	0.0685908	0.0217723	0.115409	2.87	0.004	0.004
	11	360	660	350	540	0.64815	-0.102694	-0.158060	-0.0473276	-3.64	0.000	0.000
10	12			420	775	0.54194	0.00351906	-0.0481872	0.0552253	0.13	<b>0.894</b>	0.915
	12	350	540	420	775	0.54194	0.106213	0.0528012	0.159624	3.90	0.000	0.000

**A33 (Cont.): Test and CI for Two Proportions testing the statistical correlation of the free white population of each of the GMDs in 1830.**



Samples (GMD)	Sample 1			Sample 2			Estimate for difference	95% CI for difference		Test for difference		Fisher's exact test P-Value
	X	N	Sample p	X	N	Sample p		Z	P-Value			
1	2			548	1164	0.470790	-0.0169492	-0.0548563	0.0209579	-0.88	<b>0.381</b>	0.392
	2			1276	2704	0.471893	-0.0180523	-0.0491770	0.0130724	-1.14	<b>0.256</b>	0.264
	3			707	1659	0.426160	0.0276809	-0.00668429	0.0620460	1.58	<b>0.114</b>	0.117
	4			597	821	0.727162	-0.273321	-0.312602	-0.234040	-13.64	0.000	0.000
	5			1877	2020	0.929208	-0.475367	-0.502566	-0.448167	-34.25	0.000	0.000
	6			1618	1792	0.902902	-0.449061	-0.477392	-0.420730	-31.07	0.000	0.000
	7	703	0.453841	2302	2581	0.891902	-0.438061	-0.465597	-0.410526	-31.18	0.000	0.000
	8			370	950	0.389474	0.0643675	0.0246659	0.104069	3.18	0.001	0.002
	9			300	660	0.454545	-0.000704267	-0.0460670	0.0446585	-0.03	<b>0.976</b>	1.000
	10			190	540	0.351852	0.101989	0.0546921	0.149287	4.23	0.000	0.000
	11			350	775	0.451613	0.00222828	-0.0406935	0.0451501	0.10	<b>0.919</b>	0.930
	12			1276	2704	0.471893	-0.00110311	-0.0354001	0.0331939	-0.06	<b>0.950</b>	0.972
2	3			707	1659	0.426160	0.0446300	0.00736750	0.0818926	2.35	0.019	0.019
	4			597	821	0.727162	-0.256372	-0.298211	-0.214532	-12.01	0.000	0.000
	5			1877	2020	0.929208	-0.458418	-0.489196	-0.427639	-29.19	0.000	0.000
	6			1618	1792	0.902902	-0.432111	-0.463895	-0.400328	-26.65	0.000	0.000
	7	548	0.470790	2302	2581	0.891902	-0.421112	-0.452188	-0.390036	-26.56	0.000	0.000
	8			370	950	0.389474	0.0813167	0.0390822	0.123551	3.77	0.000	0.000
	9			300	660	0.454545	0.0162449	-0.0313504	0.0638402	0.67	<b>0.504</b>	0.525
	10			190	540	0.351852	0.118939	0.0694960	0.168381	4.71	0.000	0.000
	11			350	775	0.451613	0.0191775	-0.0260974	0.0644524	0.83	<b>0.406</b>	0.429
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A34: Test and CI for Two Proportions testing the statistical correlation of the slave population of each of the GMDs in 1830.

Samples (GMD)	Sample 1			Sample 2			Estimate for difference	95% CI for difference		Test for difference		Fisher's exact test	
	X	N	Sample p	X	N	Sample p		Z	P-Value	P-Value			
1	2			707	1659	0.426160	0.0457332	0.0153967	0.0760696	2.95	0.003	0.003	
	4			597	821	0.727162	-0.255269	-0.291078	-0.219459	-13.97	0.000	0.000	
	5			1877	2020	0.929208	-0.457314	-0.479204	-0.435425	-40.95	0.000	0.000	
	6			1618	1792	0.902902	-0.431008	-0.454289	-0.407728	-36.29	0.000	0.000	
	7			2302	2581	0.891902	-0.420009	-0.442314	-0.397703	-36.91	0.000	0.000	
	8	1276	2704	0.471893	370	950	0.389474	0.0824198	0.0461492	0.118690	4.45	0.000	0.000
	9			300	660	0.454545	0.0173480	-0.0250444	0.0597404	0.80	<b>0.423</b>	0.434	
	10			190	540	0.351852	0.120042	0.0755853	0.164498	5.29	0.000	0.000	
	11			350	775	0.451613	0.0202806	-0.0194890	0.0600501	1.00	<b>0.318</b>	0.327	
	12			597	821	0.727162	-0.301002	-0.339661	-0.262342	-15.26	0.000	0.000	
	4	5			1877	2020	0.929208	-0.503048	-0.529341	-0.476754	-37.50	0.000	0.000
		6			1618	1792	0.902902	-0.476741	-0.504204	-0.449279	-34.02	0.000	0.000
7				2302	2581	0.891902	-0.465742	-0.492383	-0.439101	-34.26	0.000	0.000	
8		707	1659	0.426160	370	950	0.389474	0.0366867	-0.00240004	0.0757733	1.84	<b>0.066</b>	0.069
9				300	660	0.454545	-0.0283851	-0.0732107	0.0164404	-1.24	<b>0.215</b>	0.227	
10				190	540	0.351852	0.0743085	0.0275263	0.121091	3.11	0.002	0.002	
11				350	775	0.451613	-0.0254526	-0.0678062	0.0169011	-1.18	<b>0.239</b>	0.254	
12				1877	2020	0.929208	-0.202046	-0.234502	-0.169590	-12.20	0.000	0.000	
5		6			1618	1792	0.902902	-0.175740	-0.209150	-0.142330	-10.31	0.000	0.000
		7			2302	2581	0.891902	-0.164740	-0.197479	-0.132002	9.86	0.000	0.000
		8			370	950	0.389474	0.337688	0.294216	0.381160	15.22	0.000	0.000
		9	597	821	0.727162	300	660	0.454545	0.272617	0.223920	0.321313	10.97	0.000
	10			190	540	0.351852	0.375310	0.324806	0.425814	14.57	0.000	0.000	
	11			350	775	0.451613	0.275549	0.229118	0.321981	11.63	0.000	0.000	
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**A34 (Cont.): Test and CI for Two Proportions testing the statistical correlation of the slave population of each of the GMDs in 1830.**

Samples (GMD)	Sample 1			Sample 2			Estimate for difference	95% CI for difference		Test for difference		Fisher's exact test P-Value
	X	N	Sample p	X	N	Sample p		Z	P-Value			
1	2			1618	1792	0.902902	0.0263061	0.00861343	0.0439988	2.91	0.004	0.004
	7			2302	2581	0.891902	0.0373056	0.0209168	0.0536943	4.46	0.000	0.000
	8			370	950	0.389474	0.539734	0.506770	0.572698	32.09	0.000	0.000
	9	1877	2020	300	660	0.454545	0.474662	0.435062	0.514263	23.49	0.000	0.000
	10			190	540	0.351852	0.577356	0.535554	0.619158	27.07	0.000	0.000
	12			350	775	0.451613	0.477595	0.440816	0.514374	25.45	0.000	0.000
6	8			2302	2581	0.891902	0.0109994	-0.00720587	0.0292047	1.18	<b>0.236</b>	0.246
	9			370	950	0.389474	0.513428	0.479525	0.547332	29.68	0.000	0.000
	10	1618	1792	300	660	0.454545	0.448356	0.407971	0.488742	21.76	0.000	0.000
	11			190	540	0.351852	0.551050	0.508503	0.593597	25.38	0.000	0.000
	12			350	775	0.451613	0.451289	0.413666	0.488912	23.51	0.000	0.000
	9			370	950	0.389474	0.502429	0.469187	0.535670	29.62	0.000	0.000
7	10			300	660	0.454545	0.437357	0.397525	0.477189	21.52	0.000	0.000
	11	2302	2581	190	540	0.351852	0.540051	0.498029	0.582072	25.19	0.000	0.000
	12			350	775	0.451613	0.440289	0.403261	0.477317	23.31	0.000	0.000
	10			300	660	0.454545	-0.0650718	-0.114108	-0.0160352	-2.60	0.009	0.010
8	11	370	950	190	540	0.351852	0.0376218	-0.0132096	0.0884532	1.45	<b>0.147</b>	0.164
	12			350	775	0.451613	-0.0621392	-0.108927	-0.0153515	-2.60	0.009	0.009
	10			190	540	0.351852	0.102694	0.0473276	0.158060	3.64	0.000	0.000
9	11	300	660	350	775	0.451613	0.00293255	-0.0487458	0.0546109	0.11	<b>0.911</b>	0.915
	12	190	540	350	775	0.451613	-0.0997611	-0.153145	-0.0463766	-3.66	0.000	0.000

**A34 (Cont.): Test and CI for Two Proportions testing the statistical correlation of the slave population of each of the GMDs in 1830.**

Samples (GMD)	Sample 1			Sample 2			Estimate for difference	95% CI for difference		Test for difference		Fisher's exact test P-Value
	X	N	Sample p	X	N	Sample p		Z	P-Value			
1	2			28	1164	0.024055	0.0346926	0.0200430	0.0493422	4.64	0.000	0.000
	2			85	2704	0.031435	0.0273127	0.0138818	0.0407435	3.99	0.000	0.000
	3			125	1659	0.075347	-0.0165990	-0.0338748	0.000676812	-1.88	<b>0.060</b>	0.067
	4			73	821	0.088916	-0.0301684	-0.0528879	-0.00744883	-2.60	0.009	0.008
	5			4	2020	0.001980	0.0567674	0.0448976	0.0686371	9.37	0.000	0.000
	6*			16	1792	0.008929	0.0498190	0.0373249	0.0623131	7.82	0.000	0.000
	7	91	0.058748	2	2581	0.000775	0.0579727	0.0462132	0.0697322	9.66	0.000	0.000
	8*			0	950	0.000000	0.0587476	0.0470372	0.0704579	9.83	0.000	0.000
	9*			0	660	0.000000	0.0587476	0.0470372	0.0704579	9.83	0.000	0.000
	10*			0	540	0.000000	0.0587476	0.0470372	0.0704579	9.83	0.000	0.000
	11*			5	775	0.006452	0.0522960	0.0392996	0.0652923	7.89	0.000	0.000
	12			85	2704	0.031435	-0.00737993	-0.0183677	0.00360786	-1.32	<b>0.188</b>	0.252
2	3			125	1659	0.075347	-0.0512916	-0.0667447	-0.0358385	-6.51	0.000	0.000
	4			73	821	0.088916	-0.0648610	-0.0862274	-0.0434946	-5.95	0.000	0.000
	5			4	2020	0.001980	0.0220748	0.0130617	0.0310879	4.80	0.000	0.000
	6*			16	1792	0.008929	0.0151264	0.00530571	0.0249471	3.02	0.003	0.002
	7	28	0.024055	2	2581	0.000775	0.0232801	0.0144128	0.0321474	5.15	0.000	0.000
	8*			0	950	0.000000	0.0240550	0.0152529	0.0328571	5.36	0.000	0.000
	9*			0	660	0.000000	0.0240550	0.0152529	0.0328571	5.36	0.000	0.000
	10*			0	540	0.000000	0.0240550	0.0152529	0.0328571	5.36	0.000	0.000
	11*			5	775	0.006452	0.0176034	0.00715111	0.0280556	3.30	0.001	0.003
	12											

\* The normal approximation may be inaccurate for small samples.

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**A35: Test and CI for Two Proportions testing the statistical correlation of the free black population of each of the GMDs in 1830.**

Samples (GMD)	Sample 1			Sample 2			Estimate for difference	95% CI for difference		Test for difference		Fisher's exact test P-Value	
	X	N	Sample p	X	N	Sample p		Z	P-Value				
3	2			125	1659	0.075347	-0.0439117	-0.0582147	-0.0296087	-6.02	0.000	0.000	
	4			73	821	0.088916	-0.0574810	-0.0780310	-0.0369311	-5.48	0.000	0.000	
	5			4	2020	0.001980	0.0294547	0.0225981	0.0363113	8.42	0.000	0.000	
	6*			16	1792	0.008929	0.0225063	0.0146182	0.0303945	5.59	0.000	0.000	
	7			2	2581	0.000775	0.0306600	0.0239962	0.0373239	9.02	0.000	0.000	
	8*	85	2704	0	950	0.000000	0.0314349	0.0248581	0.0380117	9.37	0.000	0.000	
	9*			0	660	0.000000	0.0314349	0.0248581	0.0380117	9.37	0.000	0.000	
	10*			0	540	0.000000	0.0314349	0.0248581	0.0380117	9.37	0.000	0.000	
	11*			5	775	0.006452	0.0249833	0.0163215	0.0336451	5.65	0.000	0.000	
	12			73	821	0.088916	-0.0135694	-0.0368152	0.00967643	-1.14	<b>0.253</b>	0.239	
	4	5			4	2020	0.001980	0.0733664	0.0605181	0.0862147	11.19	0.000	0.000
		6*			16	1792	0.008929	0.0664180	0.0529908	0.0798453	9.69	0.000	0.000
7				2	2581	0.000775	0.0745717	0.0618252	0.0873182	11.47	0.000	0.000	
8*		125	1659	0	950	0.000000	0.0753466	0.0626454	0.0880478	11.63	0.000	0.000	
9*				0	660	0.000000	0.0753466	0.0626454	0.0880478	11.63	0.000	0.000	
10*				0	540	0.000000	0.0753466	0.0626454	0.0880478	11.63	0.000	0.000	
11*				5	775	0.006452	0.0688950	0.0549992	0.0827908	9.72	0.000	0.000	
12				4	2020	0.001980	0.0869358	0.0673704	0.106501	8.71	0.000	0.000	
6*				16	1792	0.008929	0.0799874	0.0600371	0.0999377	7.86	0.000	0.000	
7				2	2581	0.000775	0.0881411	0.0686424	0.107640	8.86	0.000	0.000	
8*		73	821	0	950	0.000000	0.0889160	0.0694469	0.108385	8.95	0.000	0.000	
9*				0	660	0.000000	0.0889160	0.0694469	0.108385	8.95	0.000	0.000	
10*			0	540	0.000000	0.0889160	0.0694469	0.108385	8.95	0.000	0.000		
11*			5	775	0.006452	0.0824643	0.0621957	0.102733	7.97	0.000	0.000		
12													

\* The normal approximation may be inaccurate for small samples.

(Continued on next page)

**A35 (Cont.): Test and CI for Two Proportions testing the statistical correlation of the free black population of each of the GMDs in 1830.**

Samples (GMD)	Sample 1			Sample 2			Estimate for difference	95% CI for difference	Test for difference		Fisher's exact test	
	X	N	Sample p	X	N	Sample p			Z	P-Value		
1	2			16	1792	0.008929	-0.00694837	-0.0117157	-2.86	0.004	0.003	
	7*			2	2581	0.000775	0.00120530	-0.00101071	1.07	<b>0.286</b>	0.415	
	8*			0	950	0.000000	0.00198020	0.0000415619	2.00	<b>0.045</b>	0.313	
	9*	4	2020	0	660	0.000000	0.00198020	0.0000415619	2.00	<b>0.045</b>	0.578	
	10*			0	540	0.000000	0.00198020	0.0000415619	2.00	<b>0.045</b>	0.585	
	11*			5	775	0.006452	-0.00447141	-0.0104322	0.00148936	-1.47	<b>0.141</b>	0.127
6	8*			2	2581	0.000775	0.00815368	0.00366798	3.56	0.000	0.000	
	9*			0	950	0.000000	0.00892857	0.00457323	4.02	0.000	0.002	
	10*	16	1792	0	660	0.000000	0.00892857	0.00457323	4.02	0.000	0.009	
	11*			0	540	0.000000	0.00892857	0.00457323	4.02	0.000	0.031	
	12			5	775	0.006452	0.00247696	-0.00464635	0.00960027	0.68	<b>0.496</b>	0.638
	9*			0	950	0.000000	0.000774893	-0.000298618	0.00184841	1.41	<b>0.157</b>	1.000
7	10*			0	660	0.000000	0.000774893	-0.000298618	1.41	<b>0.157</b>	1.000	
	11*	2	2581	0	540	0.000000	0.000774893	-0.000298618	1.41	<b>0.157</b>	1.000	
	12*			5	775	0.006452	-0.00567672	-0.0114147	-1.94	<b>0.052</b>	0.009	
	10*			0	660	0.000000	0	n/a	n/a	n/a	1.000	
8	11*	0	950	0	540	0.000000	0	n/a	n/a	n/a	1.000	
	12*			5	775	0.006452	-0.00645161	-0.0120883	-2.24	0.025	0.018	
	11*	0	660	0	540	0.000000	0	n/a	n/a	n/a	1.000	
9	12*	0	540	0.000000	5	775	0.006452	-0.0120883	-2.24	0.025	0.066	
	11*	0	540	0.000000	5	775	0.006452	-0.0120883	-2.24	0.025	0.082	

\* The normal approximation may be inaccurate for small samples.

**A35 (Cont.): Test and CI for Two Proportions testing the statistical correlation of the free black population of each of the GMDs in 1830.**

Samples (GMD)	Sample 1			Sample 2			Estimate for difference	95% CI for difference		Test for difference		Fisher's exact test P-Value	
	X	N	Sample p	X	N	Sample p		Z	P-Value				
1	2			576	1164	0.494845	0.0177434	-0.0202640	0.0557508	0.91	<b>0.360</b>	0.372	
	2			1361	2704	0.503328	0.00926036	-0.0219606	0.0404813	0.58	<b>0.561</b>	0.566	
	3			832	1659	0.501507	0.0110818	-0.0235371	0.0457008	0.63	<b>0.530</b>	0.548	
	4			670	821	0.816078	-0.303489	-0.339847	-0.267131	-16.36	0.000	0.000	
	5			1881	2020	0.931188	-0.418599	-0.445829	-0.391370	-30.13	0.000	0.000	
	6			1634	1792	0.911830	-0.399242	-0.427383	-0.371100	-27.81	0.000	0.000	
	7	794	1549	0.512589	2304	2581	0.892677	-0.380088	-0.407696	-0.352481	-26.98	0.000	0.000
	8			370	950	0.389474	0.123115	0.123115	0.162878	6.07	0.000	0.000	
	9			300	660	0.454545	0.0580433	0.0580433	0.103460	2.50	0.012	0.014	
	10			190	540	0.351852	0.160737	0.160737	0.208086	6.65	0.000	0.000	
	11			355	775	0.458065	0.0545243	0.0545243	0.0115119	0.0975366	2.48	0.013	0.014
	12			1361	2704	0.503328	-0.00848304	-0.00848304	-0.0428359	0.0258698	-0.48	<b>0.628</b>	0.649
2	3			832	1659	0.501507	-0.00666157	-0.0441295	0.0308063	-0.35	<b>0.727</b>	0.731	
	4			670	821	0.816078	-0.321233	-0.360313	-0.282152	-16.11	0.000	0.000	
	5			1881	2020	0.931188	-0.436343	-0.467113	-0.405572	-27.79	0.000	0.000	
	6			1634	1792	0.911830	-0.416985	-0.448565	-0.385405	-25.88	0.000	0.000	
	7	576	1164	0.494845	2304	2581	0.892677	-0.397832	-0.428938	-0.366726	-25.07	0.000	0.000
	8			370	950	0.389474	0.105372	0.105372	0.0631049	0.147638	4.89	0.000	0.000
	9			300	660	0.454545	0.0402999	0.0402999	-0.00732404	0.0879239	1.66	<b>0.097</b>	0.108
	10			190	540	0.351852	0.142994	0.142994	0.0935234	0.192464	5.67	0.000	0.000
	11			355	775	0.458065	0.0367808	0.0367808	-0.00855602	0.0821177	1.59	<b>0.112</b>	0.115
	12												

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**A36: Test and CI for Two Proportions testing the statistical correlation of the African American population of each of the GMDs in 1830.**

Samples (GMD)	Sample 1			Sample 2			Estimate for difference	95% CI for difference		Test for difference		Fisher's exact test P-Value	
	X	N	Sample p	X	N	Sample p		Z	P-Value				
3	2			832	1659	0.501507	0.00182147	-0.0287404	0.0323833	0.12	<b>0.907</b>	0.925	
	4			670	821	0.816078	-0.312750	-0.345268	-0.280231	-18.85	0.000	0.000	
	5			1881	2020	0.931188	-0.427860	-0.449700	-0.406019	-38.40	0.000	0.000	
	6			1634	1792	0.911830	-0.408502	-0.431469	-0.385535	-34.86	0.000	0.000	
	7			2304	2581	0.892677	-0.389349	-0.411659	-0.367039	-34.20	0.000	0.000	
	8	1361	2704	0.503328	370	950	0.389474	0.113855	0.0775689	0.150141	6.15	0.000	0.000
	9				300	660	0.454545	0.0487829	0.00637751	0.0911884	2.25	0.024	0.027
	10				190	540	0.351852	0.151477	0.107008	0.195945	6.68	0.000	0.000
	11				355	775	0.458065	0.0452639	0.00544414	0.0850836	2.23	0.026	0.028
	12				670	821	0.816078	-0.314571	-0.350364	-0.278778	-17.23	0.000	0.000
	4	5			1881	2020	0.931188	-0.429681	-0.456153	-0.403210	-31.81	0.000	0.000
		6			1634	1792	0.911830	-0.410323	-0.437732	-0.382915	-29.34	0.000	0.000
7				2304	2581	0.892677	-0.391170	-0.418030	-0.364310	-28.54	0.000	0.000	
8		832	1659	0.501507	370	950	0.389474	0.112033	0.0727855	0.151281	5.59	0.000	0.000
9					300	660	0.454545	0.0469615	0.00199539	0.0919276	2.05	0.041	0.043
10					190	540	0.351852	0.149655	0.102738	0.196572	6.25	0.000	0.000
11					355	775	0.458065	0.0434424	0.000906080	0.0859788	2.00	<b>0.045</b>	0.050
12					1881	2020	0.931188	-0.115110	-0.143818	-0.0864022	-7.86	0.000	0.000
6					1634	1792	0.911830	-0.0957524	-0.125327	-0.0661782	-6.35	0.000	0.000
7					2304	2581	0.892677	-0.0765993	-0.105666	-0.0475324	-5.17	0.000	0.000
8					370	950	0.389474	0.426604	0.385814	0.467394	20.50	0.000	0.000
9		670	821	0.816078	300	660	0.454545	0.361532	0.315214	0.407851	15.30	0.000	0.000
10				190	540	0.351852	0.464226	0.416012	0.512440	18.87	0.000	0.000	
11				355	775	0.458065	0.358013	0.314050	0.401977	15.96	0.000	0.000	
12												0.000	

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**A36 (Cont.): Test and CI for Two Proportions testing the statistical correlation of the African American population of each of the GMDs in 1830.**



Samples (GMD)	Sample 1			Sample 2			Estimate for difference	95% CI for difference		Test for difference		Fisher's exact test
	X	N	Sample p	X	N	Sample p		Z	P-Value	P-Value		
1	2			1634	1792	0.911830	0.0193578	0.00220557	0.0365100	2.21	0.027	0.029
	7			2304	2581	0.892677	0.0385109	0.0222490	0.0547727	4.64	0.000	0.000
	8			370	950	0.389474	0.541714	0.508800	0.574629	32.26	0.000	0.000
	9	1881	2020	300	660	0.454545	0.476643	0.437083	0.516202	23.62	0.000	0.000
	10			190	540	0.351852	0.579336	0.537573	0.621100	27.19	0.000	0.000
	12			355	775	0.458065	0.473124	0.436350	0.509897	25.22	0.000	0.000
7	8			2304	2581	0.892677	0.0191531	0.00140673	0.0368995	2.12	0.034	0.040
	9			370	950	0.389474	0.522357	0.488684	0.556029	30.40	0.000	0.000
	10	1634	1792	300	660	0.454545	0.457285	0.417093	0.497477	22.30	0.000	0.000
	11			190	540	0.351852	0.559979	0.517615	0.602342	25.91	0.000	0.000
	12			355	775	0.458065	0.453766	0.416312	0.491220	23.75	0.000	0.000
	9			370	950	0.389474	0.503204	0.469976	0.536432	29.68	0.000	0.000
8	10			300	660	0.454545	0.438132	0.398311	0.477952	21.56	0.000	0.000
	11	2304	2581	190	540	0.351852	0.540825	0.498815	0.582836	25.23	0.000	0.000
	12			355	775	0.458065	0.434613	0.397558	0.471668	22.99	0.000	0.000
	10			300	660	0.454545	-0.0650718	-0.114108	-0.0160352	-2.60	0.009	0.010
9	11	370	950	190	540	0.351852	0.0376218	-0.0132096	0.0884532	1.45	<b>0.147</b>	0.164
	12			355	775	0.458065	-0.0685908	-0.115409	-0.0217723	-2.87	0.004	0.004
	11	300	660	190	540	0.351852	0.102694	0.0473276	0.158060	3.64	0.000	0.000
10	12			355	775	0.458065	-0.00351906	-0.052253	0.0481872	-0.13	<b>0.894</b>	0.915
	12	190	540	355	775	0.458065	-0.106213	-0.0528012	-0.0528012	-3.90	0.000	0.000

**A36 (Cont.): Test and CI for Two Proportions testing the statistical correlation of the African American population of each of the GMDs in 1830.**

Samples (GMD)	Sample 1			Sample 2			Estimate for difference	95% CI for difference		Test for difference		Fisher's exact test P-Value
	X	N	Sample p	X	N	Sample p		Z	P-Value			
1	2			2668	4356	0.612489	-0.251372	-0.268720	-0.234023	-28.40	0.000	0.000
	2			4131	5685	0.726649	-0.365532	-0.380561	-0.350503	-47.67	0.000	0.000
	3			4750	10996	0.431975	-0.0708584	-0.0841765	-0.0575403	-10.43	0.000	0.000
	4			1192	5167	0.230695	0.130422	0.115469	0.145375	17.09	0.000	0.000
	5			323	4105	0.078685	0.282432	0.269803	0.295061	43.83	0.000	0.000
	6			624	2442	0.255528	0.105589	0.0858173	0.125360	10.47	0.000	0.000
	7	3492	9670	0.361117	316	2600	0.121538	0.239578	0.223786	29.73	0.000	0.000
	8			670	1009	0.664024	-0.302907	-0.333583	-0.272231	-19.35	0.000	0.000
	9			1236	2241	0.551539	-0.190423	-0.213130	-0.167715	-16.44	0.000	0.000
	10			791	1559	0.507377	-0.146260	-0.172859	-0.119660	-10.78	0.000	0.000
	11			536	1173	0.456948	-0.0958311	-0.125903	-0.0657594	-6.25	0.000	0.000
	12			4131	5685	0.726649	-0.114161	-0.132695	-0.0956260	-12.07	0.000	0.000
2	3			4750	10996	0.431975	0.180513	0.163337	0.197690	20.60	0.000	0.000
	4			1192	5167	0.230695	0.381794	0.363321	0.400267	40.51	0.000	0.000
	5			323	4105	0.078685	0.533804	0.517156	0.550452	62.85	0.000	0.000
	6			624	2442	0.255528	0.356960	0.334409	0.379512	31.02	0.000	0.000
	7	2668	4356	0.612489	316	2600	0.121538	0.490950	0.471791	50.22	0.000	0.000
	8			670	1009	0.664024	-0.0515353	-0.0840726	-0.0189979	-3.10	0.002	0.002
	9			1236	2241	0.551539	0.0609490	0.0357836	0.0861145	4.75	0.000	0.000
	10			791	1559	0.507377	0.105112	0.0763859	0.133838	7.17	0.000	0.000
	11			536	1173	0.456948	0.155541	0.123572	0.187509	9.54	0.000	0.000
	12											

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**A37: Test and CI for Two Proportions testing the statistical correlation of the white population of each of the GMDs in 1880.**

Samples (GMD)	Sample 1			Sample 2			Estimate for difference	95% CI for difference		Test for difference		Fisher's exact test P-Value	
	X	N	Sample p	X	N	Sample p		Z	P-Value				
1	2			4750	10996	0.431975	0.294674	0.279843	0.309504	38.94	0.000	0.000	
	4			1192	5167	0.230695	0.495954	0.479640	0.512269	59.58	0.000	0.000	
	5			323	4105	0.078685	0.647965	0.633750	0.662179	89.34	0.000	0.000	
	6			624	2442	0.255528	0.471121	0.450301	0.491941	44.35	0.000	0.000	
	7			316	2600	0.121538	0.605111	0.588024	0.622198	69.41	0.000	0.000	
	8	4131	0.726649	670	1009	0.664024	0.0626253	0.0312631	0.0939875	3.91	0.000	0.000	
	9			1236	2241	0.551539	0.175110	0.151483	0.198736	14.53	0.000	0.000	
	10			791	1559	0.507377	0.219273	0.191885	0.246660	15.69	0.000	0.000	
	11			536	1173	0.456948	0.269701	0.238930	0.300472	17.18	0.000	0.000	
	12			1192	5167	0.230695	0.201280	0.186527	0.216034	26.74	0.000	0.000	
	3	5			323	4105	0.078685	0.353291	0.340899	0.365683	55.88	0.000	0.000
		6			624	2442	0.255528	0.176447	0.156826	0.196068	17.63	0.000	0.000
7				316	2600	0.121538	0.310437	0.294833	0.326040	38.99	0.000	0.000	
8		4750	0.431975	670	1009	0.664024	-0.232049	-0.262628	-0.201469	-14.87	0.000	0.000	
9				1236	2241	0.551539	-0.119564	-0.142141	-0.0969875	-10.38	0.000	0.000	
10				791	1559	0.507377	-0.0754013	-0.101889	-0.0489135	-5.58	0.000	0.000	
11				536	1173	0.456948	-0.0249727	-0.0549457	0.00500019	-1.63	<b>0.102</b>	0.107	
12				323	4105	0.078685	0.152010	0.137876	0.166145	21.08	0.000	0.000	
6				624	2442	0.255528	-0.0248335	-0.0455988	-0.00406816	-2.34	0.019	0.018	
7				316	2600	0.121538	0.109156	0.0921360	0.126177	12.57	0.000	0.000	
8		1192	0.230695	670	1009	0.664024	-0.433329	-0.464655	-0.402003	-27.11	0.000	0.000	
9				1236	2241	0.551539	-0.320845	-0.344423	-0.297266	-26.67	0.000	0.000	
10			791	1559	0.507377	-0.276682	-0.304028	-0.249335	-19.83	0.000	0.000		
11			536	1173	0.456948	-0.226253	-0.256988	-0.195519	-14.43	0.000	0.000		

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**A37 (Cont.): Test and CI for Two Proportions testing the statistical correlation of the white population of each of the GMDs in 1880.**

Samples (GMD)	Sample 1			Sample 2			Estimate for difference	95% CI for difference		Test for difference		Fisher's exact test
	X	N	Sample p	X	N	Sample p		Z	P-Value	P-Value		
1	2			624	2442	0.255528	-0.176844	-0.196003	-18.09	0.000	0.000	
	7			316	2600	0.121538	-0.0428539	-0.0578734	-5.59	0.000	0.000	
	8			670	1009	0.664024	-0.585339	-0.615625	-37.88	0.000	0.000	
	9	323	4105	0.078685	1236	2241	0.551539	-0.472855	-0.495032	-41.79	0.000	0.000
	10			791	1559	0.507377	-0.428692	-0.454840	-32.13	0.000	0.000	
	12			536	1173	0.456948	-0.378263	-0.407937	-24.98	0.000	0.000	
6	8			316	2600	0.121538	0.133990	0.112612	12.28	0.000	0.000	
	9			670	1009	0.664024	-0.408496	-0.442387	-23.62	0.000	0.000	
	10	624	2442	0.255528	1236	2241	0.551539	-0.296011	-0.322904	-21.57	0.000	0.000
	11			791	1559	0.507377	-0.251848	-0.282099	-16.32	0.000	0.000	
	12			536	1173	0.456948	-0.201420	-0.234765	-11.84	0.000	0.000	
	9			670	1009	0.664024	-0.542485	-0.574220	-33.50	0.000	0.000	
7	9			1236	2241	0.551539	-0.430001	-0.454120	-34.94	0.000	0.000	
	10	316	2600	0.121538	791	1559	0.507377	-0.385838	-4.13652	-27.19	0.000	0.000
	11			536	1173	0.456948	-0.335410	-0.366561	-21.10	0.000	0.000	
	12			1236	2241	0.551539	0.112484	0.0768001	6.18	0.000	0.000	
	10	670	1009	0.664024	791	1559	0.507377	0.156647	0.118369	8.02	0.000	0.000
	12			536	1173	0.456948	0.207076	0.166308	9.96	0.000	0.000	
8	11	1236	2241	0.551539	791	1559	0.507377	0.0441630	0.0119160	2.68	0.007	0.007
	12			536	1173	0.456948	0.0945915	0.0594255	5.27	0.000	0.000	
	11	791	1559	0.507377	536	1173	0.456948	0.0504285	0.0126326	2.62	0.009	0.010

**A37 (Cont.): Test and CI for Two Proportions testing the statistical correlation of the white population of each of the GMDs in 1880.**

Samples (GMD)	Sample 1			Sample 2			Estimate for difference	95% CI for difference		Test for difference		Fisher's exact test P-Value	
	X	N	Sample p	X	N	Sample p		Z	P-Value				
1	2			1688	4356	0.387511	0.251165	0.233816	0.268514	28.37	0.000	0.000	
	2			1546	5685	0.271944	0.366733	0.351717	0.381748	47.87	0.000	0.000	
	3			6243	10996	0.567752	0.0709244	0.0576049	0.0842439	10.44	0.000	0.000	
	4			3975	5167	0.769305	-0.130629	-0.145583	-0.115675	-17.12	0.000	0.000	
	5			3782	4105	0.921315	-0.282639	-0.295269	-0.270009	-43.86	0.000	0.000	
	6			1818	2442	0.744472	-0.105795	-0.125567	-0.0860236	-10.49	0.000	0.000	
	7	6176	9670	0.638676	2284	2600	0.878462	-0.239785	-0.255578	-0.223992	-29.76	0.000	0.000
	8			339	1009	0.335976	0.302700	0.302700	0.272024	0.333377	19.34	0.000	0.000
	9			1005	2241	0.448461	0.190216	0.190216	0.167508	0.212924	16.42	0.000	0.000
	10			768	1559	0.492623	0.146053	0.146053	0.119453	0.172653	10.76	0.000	0.000
	11			637	1173	0.543052	0.0956243	0.0956243	0.065522	0.125696	6.23	0.000	0.000
	12			1546	5685	0.271944	0.115568	0.115568	0.0970449	0.134091	12.23	0.000	0.000
2	3			6243	10996	0.567752	-0.180240	-0.197417	-0.163064	-20.57	0.000	0.000	
	4			3975	5167	0.769305	-0.381794	-0.400267	-0.363321	-40.51	0.000	0.000	
	5			3782	4105	0.921315	-0.533804	-0.550452	-0.517156	-62.85	0.000	0.000	
	6			1818	2442	0.744472	-0.356960	-0.379512	-0.334409	-31.02	0.000	0.000	
	7	1688	4356	0.387511	2284	2600	0.878462	-0.490950	-0.510109	-0.471791	-50.22	0.000	0.000
	8			339	1009	0.335976	0.0515353	0.0189979	0.0840726	3.10	0.002	0.002	
	9			1005	2241	0.448461	-0.0609490	-0.0861145	-0.0357836	-4.75	0.000	0.000	
	10			768	1559	0.492623	-0.105112	-0.133838	-0.0763859	-7.17	0.000	0.000	
	11			637	1173	0.543052	-0.155541	-0.187509	-0.123572	-9.54	0.000	0.000	
	12												

(Continued on next page)

**A38: Test and CI for Two Proportions testing the statistical correlation of the black population of each of the GMDs in 1880.**

Samples (GMD)	Sample 1			Sample 2			Estimate for difference	95% CI for difference		Test for difference		Fisher's exact test	
	X	N	Sample p	X	N	Sample p		Z	P-Value	P-Value			
1	2			6243	10996	0.567752	-0.295808	-0.310624	-0.280992	-39.13	0.000	0.000	
	4			3975	5167	0.769305	-0.497361	-0.513663	-0.481060	-59.80	0.000	0.000	
	5			3782	4105	0.921315	-0.649372	-0.663571	-0.635172	-89.63	0.000	0.000	
	6			1818	2442	0.744472	-0.472528	-0.493338	-0.451718	-44.51	0.000	0.000	
	7			2284	2600	0.878462	-0.606518	-0.623592	-0.589444	-69.62	0.000	0.000	
	8	1546	5685	0.271944	339	1009	0.335976	-0.0640325	-0.0953878	-0.0326772	-4.00	0.000	0.000
	9			1005	2241	0.448461	-0.176517	-0.200134	-0.152900	-14.65	0.000	0.000	
	10			768	1559	0.492623	-0.220680	-0.248060	-0.193300	-15.80	0.000	0.000	
	11			637	1173	0.543052	-0.271108	-0.301873	-0.240344	-17.27	0.000	0.000	
	12			3975	5167	0.769305	-0.201553	-0.216307	-0.186799	-26.77	0.000	0.000	
	3	5			3782	4105	0.921315	-0.353564	-0.365956	-0.341171	-55.92	0.000	0.000
		6			1818	2442	0.744472	-0.176720	-0.196341	-0.157099	-17.65	0.000	0.000
7				2284	2600	0.878462	-0.310710	-0.326313	-0.295106	-39.03	0.000	0.000	
8				339	1009	0.335976	0.231776	0.201196	0.262355	14.86	0.000	0.000	
9		6243	10996	0.567752	1005	2241	0.448461	0.119291	0.0967143	0.141868	10.36	0.000	0.000
10				768	1559	0.492623	0.0751284	0.0486405	0.101616	5.56	0.000	0.000	
11				637	1173	0.543052	0.0246999	-0.00527324	0.0546730	1.62	<b>0.106</b>	0.107	
12				3782	4105	0.921315	-0.152010	-0.166145	-0.137876	-21.08	0.000	0.000	
6				1818	2442	0.744472	0.0248335	0.00406816	0.0455988	2.34	0.019	0.018	
7				2284	2600	0.878462	-0.109156	-0.126177	-0.0921360	-12.57	0.000	0.000	
8				339	1009	0.335976	0.433329	0.402003	0.464655	27.11	0.000	0.000	
9		3975	5167	0.769305	1005	2241	0.448461	0.320845	0.297266	0.344423	26.67	0.000	0.000
10			768	1559	0.492623	0.276682	0.249335	0.304028	19.83	0.000	0.000		
11			637	1173	0.543052	0.226253	0.195519	0.256988	14.43	0.000	0.000		
12													

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**A38 (Cont.): Test and CI for Two Proportions testing the statistical correlation of the black population of each of the GMDs in 1880.**

Samples (GMD)	Sample 1			Sample 2			Estimate for difference	95% CI for difference		Test for difference		Fisher's exact test P-Value
	X	N	Sample p	X	N	Sample p		Z	P-Value			
1												
6	2			1818	2442	0.744472	0.176844	0.157684	0.196003	18.09	0.000	0.000
	7			2284	2600	0.878462	0.0428539	0.0278344	0.0578734	5.59	0.000	0.000
	8			339	1009	0.335976	0.585339	0.555054	0.615625	37.88	0.000	0.000
	9	3782	4105	1005	2241	0.448461	0.472855	0.450678	0.495032	41.79	0.000	0.000
	10			768	1559	0.492623	0.428692	0.402544	0.454840	32.13	0.000	0.000
	11			637	1173	0.543052	0.378263	0.348590	0.407937	24.98	0.000	0.000
7	8			2284	2600	0.878462	-0.133990	-0.155367	-0.112612	-12.28	0.000	0.000
	9			339	1009	0.335976	0.408496	0.374604	0.442387	23.62	0.000	0.000
	10	1818	2442	1005	2241	0.448461	0.296011	0.269118	0.322904	21.57	0.000	0.000
	11			768	1559	0.492623	0.251848	0.221597	0.282099	16.32	0.000	0.000
	12			637	1173	0.543052	0.201420	0.168074	0.234765	11.84	0.000	0.000
	8	9			339	1009	0.335976	0.542485	0.510750	0.574220	33.50	0.000
10				1005	2241	0.448461	0.430001	0.405882	0.454120	34.94	0.000	0.000
11		2284	2600	768	1559	0.492623	0.385838	0.358024	0.413652	27.19	0.000	0.000
12				637	1173	0.543052	0.335410	0.304258	0.366561	21.10	0.000	0.000
10				1005	2241	0.448461	-0.112484	-0.148168	-0.0768001	-6.18	0.000	0.000
9		11	339	1009	768	1559	0.492623	-0.156647	-0.194926	-0.118369	-8.02	0.000
	12			637	1173	0.543052	-0.207076	-0.247844	-0.166308	-9.96	0.000	0.000
	11	1005	2241	768	1559	0.492623	-0.0441630	-0.0764100	-0.0119160	-2.68	0.007	0.007
10	12			637	1173	0.543052	-0.0945915	-0.129757	-0.0594255	-5.27	0.000	0.000
	12	768	1559	637	1173	0.492623	-0.0504285	-0.0882245	-0.0126326	-2.62	0.009	0.010

**A38 (Cont.): Test and CI for Two Proportions testing the statistical correlation of the black population of each of the GMDs in 1880.**

Samples (GMD)	Sample 1			Sample 2			Estimate for difference	95% CI for difference		Test for difference		Fisher's exact test P-Value	
	X	N	Sample p	X	N	Sample p		Z	P-Value				
1	2			6646	8035	0.827131	-0.643442	-0.652885	-0.634000	-133.56	0.000	0.000	
	2			9962	11022	0.903829	-0.720140	-0.727288	-0.712992	-197.47	0.000	0.000	
	3			24373	38268	0.636903	-0.453214	-0.459848	-0.446580	-133.90	0.000	0.000	
	4			4188	6475	0.646795	-0.463106	-0.475610	-0.450603	-72.60	0.000	0.000	
	5			1939	4224	0.459044	-0.275355	-0.291059	-0.259650	-34.37	0.000	0.000	
	6			644	2901	0.221992	-0.0383035	-0.0540990	-0.0225080	-4.75	0.000	0.000	
	7			2818	6807	0.413986	-0.230297	-0.242855	-0.217739	-35.94	0.000	0.000	
	8	5088	27699	0.183689	910	1437	0.633264	-0.449575	-0.474905	-0.424244	-34.79	0.000	0.000
	9			1709	2742	0.623268	-0.439579	-0.458280	-0.420877	-46.07	0.000	0.000	
	10			1615	2865	0.563700	-0.380011	-0.398734	-0.361288	-39.78	0.000	0.000	
11			1064	1970	0.540102	-0.356413	-0.378888	-0.333937	-31.08	0.000	0.000		
12			712	1150	0.619130	-0.435441	-0.463875	-0.407008	-30.02	0.000	0.000		
1559			2421	3892	0.622045	-0.438356	-0.454257	-0.422455	-54.03	0.000	0.000		
10/1559			9962	11022	0.903829	-0.0766974	-0.0866299	-0.0667649	-15.13	0.000	0.000		
3			24373	38268	0.636903	0.190228	0.180659	0.199798	38.96	0.000	0.000		
4			4188	6475	0.646795	0.180336	0.166057	0.194615	24.75	0.000	0.000		
5			1939	4224	0.459044	0.368088	0.350936	0.385240	42.06	0.000	0.000		
6			644	2901	0.221992	0.605139	0.587903	0.622374	68.81	0.000	0.000		
7			2818	6807	0.413986	0.413146	0.398818	0.427473	56.52	0.000	0.000		
8	6646	8035	0.827131	910	1437	0.633264	0.193868	0.167615	0.220120	14.47	0.000	0.000	
9				1709	2742	0.623268	0.203864	0.183931	0.223796	20.05	0.000	0.000	
10				1615	2865	0.563700	0.263431	0.243478	0.283385	25.88	0.000	0.000	
11				1064	1970	0.540102	0.287030	0.263520	0.310540	23.93	0.000	0.000	
12				712	1150	0.619130	0.208001	0.178742	0.237259	13.93	0.000	0.000	
1559				2421	3892	0.622045	0.205086	0.187754	0.222418	23.19	0.000	0.000	
10/1559													

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**A39: Test and CI for Two Proportions testing the statistical correlation of the white population of each of the GMDs in 1930.**



Samples (GMD)	Sample 1			Sample 2			Estimate for difference	95% CI for difference		Test for difference		Fisher's exact test P-Value	
	X	N	Sample p	X	N	Sample p		Z	P-Value				
3	2			24373	38268	0.636903	0.266926	0.259611	0.274241	71.52	0.000	0.000	
	4			4188	6475	0.646795	0.257033	0.244156	0.269911	39.12	0.000	0.000	
	5			1939	4224	0.459044	0.444785	0.428781	0.460789	54.47	0.000	0.000	
	6			644	2901	0.221992	0.681836	0.665743	0.697930	83.04	0.000	0.000	
	7			2818	6807	0.413986	0.489843	0.476912	0.502774	74.25	0.000	0.000	
	8			910	1437	0.633264	0.270565	0.245048	0.296082	20.78	0.000	0.000	
	9	9962	11022	0.903829	1709	2742	0.623268	0.280561	0.261607	0.299515	29.01	0.000	0.000
	10				1615	2865	0.563700	0.340129	0.321154	0.359104	35.13	0.000	0.000
4	11			1064	1970	0.540102	0.363727	0.341041	0.386416	31.42	0.000	0.000	
	12			712	1150	0.619130	0.284698	0.256098	0.313299	19.51	0.000	0.000	
	1559			2421	3892	0.622045	0.281783	0.265586	0.297981	34.10	0.000	0.000	
	10/1559			4188	6475	0.646795	-0.00989247	-0.0224920	0.00270708	-1.54	<b>0.124</b>	0.127	
	5			1939	4224	0.459044	0.177859	0.162078	0.193641	22.09	0.000	0.000	
	6			644	2901	0.221992	0.414910	0.399039	0.430782	51.24	0.000	0.000	
	7			2818	6807	0.413986	0.222917	0.210263	0.235571	34.53	0.000	0.000	
	8			910	1437	0.633264	0.00363915	-0.0217390	0.0290173	0.28	<b>0.779</b>	0.780	
4	9	24373	38268	0.636903	1709	2742	0.623268	0.0136352	0.0324014	1.42	<b>0.154</b>	0.156	
	10				1615	2865	0.563700	0.0732031	0.0544153	0.0919908	7.64	0.000	
	11				1064	1970	0.540102	0.0968014	0.0742720	0.119331	8.42	0.000	
	12				712	1150	0.619130	0.0177725	-0.0107040	0.0462489	1.22	<b>0.221</b>	
	1559			2421	3892	0.622045	0.0148577	-0.00111938	0.0308347	1.82	<b>0.068</b>		
	10/1559											0.069	

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**A39 (Cont.): Test and CI for Two Proportions testing the statistical correlation of the white population of each of the GMDs in 1930.**

Samples (GMD)	Sample 1			Sample 2			Estimate for difference	95% CI for difference		Test for difference		Fisher's exact test P-Value
	X	N	Sample p	X	N	Sample p		Z	P-Value			
1	2			1939	4224	0.459044	0.187752	0.168742	0.206761	19.36	0.000	0.000
	6			644	2901	0.221992	0.424803	0.405718	0.443888	43.63	0.000	0.000
	7			2818	6807	0.413986	0.232810	0.216304	0.249316	27.64	0.000	0.000
	8			910	1437	0.633264	0.0135316	-0.0139706	0.0410338	0.96	<b>0.335</b>	0.345
	10	4188	6475	1709	2742	0.623268	0.0235277	0.00197567	0.0450797	2.14	0.032	0.033
	11			1615	2865	0.563700	0.0830955	0.0615247	0.104666	7.55	0.000	0.000
	12			1064	1970	0.540102	0.106694	0.0817962	0.131592	8.40	0.000	0.000
	1559			712	1150	0.619130	0.0276649	-0.00271972	0.0580496	1.78	<b>0.074</b>	0.072
	10/1559			2421	3892	0.622045	0.0247501	0.00557760	0.0439227	2.53	0.011	0.011
	7			644	2901	0.221992	0.237051	0.215731	0.258371	21.79	0.000	0.000
6	8			2818	6807	0.413986	0.0450580	0.0260121	0.0641038	4.64	0.000	0.000
	9			910	1437	0.633264	-0.174220	-0.203318	-0.145123	-11.74	0.000	0.000
	10	1939	4224	1709	2742	0.623268	-0.164224	-0.187778	-0.140670	-13.67	0.000	0.000
	11			1615	2865	0.563700	-0.104656	-0.128227	-0.0810851	-8.70	0.000	0.000
	12			1064	1970	0.540102	-0.0810580	-0.107707	-0.0544085	-5.96	0.000	0.000
	1559			712	1150	0.619130	-0.160087	-0.191923	-0.128251	-9.86	0.000	0.000
	10/1559			2421	3892	0.622045	-0.163002	-0.184400	-0.141603	-14.93	0.000	0.000
	8			2818	6807	0.413986	-0.191993	-0.211114	-0.172872	-19.68	0.000	0.000
	9			910	1437	0.633264	-0.411271	-0.440418	-0.382124	-27.66	0.000	0.000
	10			1709	2742	0.623268	-0.401275	-0.424890	-0.377661	-33.30	0.000	0.000
7	11	644	2901	1615	2865	0.563700	-0.341707	-0.365339	-0.318075	-28.34	0.000	0.000
	12			1064	1970	0.540102	-0.318109	-0.344812	-0.291406	-23.35	0.000	0.000
	1559			712	1150	0.619130	-0.397138	-0.429019	-0.365257	-24.42	0.000	0.000
	10/1559			2421	3892	0.622045	-0.400053	-0.421518	-0.378588	-36.53	0.000	0.000

(Continued on next page)

**A39 (Cont.): Test and CI for Two Proportions testing the statistical correlation of the white population of each of the GMDs in 1930.**

Samples (GMD)	Sample 1			Sample 2			Estimate for difference	95% CI for difference		Test for difference		Fisher's exact test
	X	N	Sample p	X	N	Sample p		Z	P-Value	P-Value		
1				910	1437	0.633264	-0.219278	-0.246805	-0.191751	-15.61	0.000	0.000
8	2			1709	2742	0.623268	-0.209282	-0.230866	-0.187698	-19.00	0.000	0.000
	9			1615	2865	0.563700	-0.149714	-0.171317	-0.128112	-13.58	0.000	0.000
	10	2818	6807	1064	1970	0.540102	-0.126116	-0.151041	-0.101191	-9.92	0.000	0.000
	11			712	1150	0.619130	-0.205145	-0.235552	-0.174738	-13.22	0.000	0.000
	1559			2421	3892	0.622045	-0.208060	-0.227268	-0.188851	-21.23	0.000	0.000
	10/1559			1709	2742	0.623268	0.00999606	-0.0208226	0.0408148	0.64	<b>0.525</b>	0.545
9	10			1615	2865	0.563700	0.0695639	0.0387321	0.100396	4.42	0.000	0.000
	11			1064	1970	0.540102	0.0931622	0.0599177	0.126407	5.49	0.000	0.000
	12	910	1437	712	1150	0.619130	0.0141333	-0.0233971	0.0516637	0.74	<b>0.460</b>	0.462
	1559			2421	3892	0.622045	0.0112185	-0.0179857	0.0404228	0.75	<b>0.452</b>	0.463
	10/1559			1615	2865	0.563700	0.0595679	0.0339023	0.0852334	4.55	0.000	0.000
	11			1064	1970	0.540102	0.0831662	0.0546475	0.111685	5.72	0.000	0.000
10	12	1709	2742	712	1150	0.619130	0.00413725	-0.0292790	0.0375535	0.24	<b>0.808</b>	0.828
	1559			2421	3892	0.622045	0.00122247	-0.0224631	0.0249080	0.10	<b>0.919</b>	0.939
	10/1559			1064	1970	0.540102	0.0235983	-0.00493456	0.0521312	1.62	<b>0.105</b>	0.105
	11			712	1150	0.619130	-0.0554306	-0.0888590	-0.0220022	-3.25	0.001	0.001
	1559	1615	2865	2421	3892	0.622045	-0.0583454	-0.0820481	-0.0346427	-4.82	0.000	0.000
	10/1559			712	1150	0.619130	-0.0790289	-0.114695	-0.0433631	-4.34	0.000	0.000
11	12			2421	3892	0.622045	-0.0819437	-0.108710	-0.0551778	-6.00	0.000	0.000
	1559	1064	1970	2421	3892	0.622045	-0.00291479	-0.0348482	0.0290187	-0.18	<b>0.858</b>	0.863
	10/1559	712	1150	2421	3892	0.622045						

**A39 (Cont.): Test and CI for Two Proportions testing the statistical correlation of the white population of each of the GMDs in 1930.**

Samples (GMD)	Sample 1			Sample 2			Estimate for difference	95% CI for difference		Test for difference		Fisher's exact test P-Value	
	X	N	Sample p	X	N	Sample p		Z	P-Value				
1	2			1382	8035	0.171998	0.643375	0.633943	0.652807	133.69	0.000	0.000	
	2			1047	11022	0.094992	0.720381	0.713250	0.727511	198.02	0.000	0.000	
	3			13882	38268	0.362757	0.452615	0.445976	0.459254	133.61	0.000	0.000	
	4			2286	6475	0.353050	0.462322	0.449817	0.474828	72.46	0.000	0.000	
	5			2285	4224	0.540956	0.274416	0.258709	0.290123	34.24	0.000	0.000	
	6			2252	2901	0.776284	0.0390884	0.0232503	0.0549264	4.84	0.000	0.000	
	7			3988	6807	0.585867	0.229505	0.216943	0.242067	35.81	0.000	0.000	
	8	22585	27699	0.815372	527	1437	0.366736	0.448636	0.423304	0.473968	34.71	0.000	0.000
	9			1033	2742	0.376732	0.438640	0.419936	0.457344	45.96	0.000	0.000	
	10			1250	2865	0.436300	0.379072	0.360347	0.397798	39.68	0.000	0.000	
11			906	1970	0.459898	0.355474	0.332996	0.377951	31.00	0.000	0.000		
12			438	1150	0.380870	0.434503	0.406067	0.462938	29.95	0.000	0.000		
1559			1471	3892	0.377955	0.437418	0.421514	0.453321	53.91	0.000	0.000		
10/1559			1047	11022	0.094992	0.0770057	0.0671037	0.0869077	15.24	0.000	0.000		
2	3			13882	38268	0.362757	-0.190760	-0.200315	-0.181205	-39.13	0.000	0.000	
	4			2286	6475	0.353050	-0.181053	-0.195321	-0.166784	-24.87	0.000	0.000	
	5			2285	4224	0.540956	-0.368959	-0.386103	-0.351815	-42.18	0.000	0.000	
	6			2252	2901	0.776284	-0.604287	-0.621551	-0.587022	-68.60	0.000	0.000	
	7			3988	6807	0.585867	-0.413870	-0.428188	-0.399592	-56.65	0.000	0.000	
	8	1382	8035	0.171998	527	1437	0.366736	-0.194739	-0.220986	-0.168491	-14.54	0.000	0.000
	9			1033	2742	0.376732	-0.204735	-0.224661	-0.184809	-20.14	0.000	0.000	
	10			1250	2865	0.436300	-0.264303	-0.284249	-0.244356	-25.97	0.000	0.000	
	11			906	1970	0.459898	-0.287901	-0.311405	-0.264397	-24.01	0.000	0.000	
	12			438	1150	0.380870	-0.208872	-0.238126	-0.179618	-13.99	0.000	0.000	
1559			1471	3892	0.377955	-0.205957	-0.223282	-0.188633	-23.30	0.000	0.000		
10/1559													

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**A40: Test and CI for Two Proportions testing the statistical correlation of the black population of each of the GMDs in 1930.**

Samples (GMD)	Sample 1			Sample 2			Estimate for difference	95% CI for difference		Test for difference		Fisher's exact test P-Value	
	X	N	Sample p	X	N	Sample p		Z	P-Value				
1	2			13882	38268	0.362757	-0.267766	-0.275057	-0.260474	-71.97	0.000	0.000	
	4			2286	6475	0.353050	-0.258058	-0.270922	-0.245195	-39.32	0.000	0.000	
	5			2285	4224	0.540956	-0.445965	-0.461958	-0.429971	-54.65	0.000	0.000	
	6			2252	2901	0.776284	-0.681292	-0.697415	-0.665170	-82.82	0.000	0.000	
	7			3988	6807	0.585867	-0.490876	-0.503794	-0.477957	-74.47	0.000	0.000	
	8			527	1437	0.366736	-0.271744	-0.297255	-0.246234	-20.88	0.000	0.000	
	9	1047	11022	0.094992	1033	2742	0.376732	-0.281740	-0.300686	-0.262795	-29.15	0.000	0.000
	10			1250	2865	0.436300	-0.341308	-0.360275	-0.322342	-35.27	0.000	0.000	
3	11			906	1970	0.459898	-0.364907	-0.387585	-0.342228	-31.54	0.000	0.000	
	12			438	1150	0.380870	-0.285878	-0.314472	-0.257283	-19.59	0.000	0.000	
	1559			1471	3892	0.377955	-0.282963	-0.299150	-0.266776	-34.26	0.000	0.000	
	10/1559			2286	6475	0.353050	0.00970720	-0.00289091	0.0223053	1.51	<b>0.131</b>	0.135	
	5			2285	4224	0.540956	-0.178199	-0.193980	-0.162418	-22.13	0.000	0.000	
	6			2252	2901	0.776284	-0.413527	-0.429438	-0.397615	-50.94	0.000	0.000	
	7			3988	6807	0.585867	-0.223110	-0.235764	-0.210456	-34.56	0.000	0.000	
	8			527	1437	0.366736	-0.00397886	-0.0293569	0.0213991	-0.31	<b>0.759</b>	0.759	
4	9	13882	38268	0.362757	1033	2742	0.376732	-0.0139749	-0.0327408	0.00479100	-1.46	<b>0.144</b>	0.145
	10			1250	2865	0.436300	-0.0735428	-0.0923303	-0.0547553	-7.67	0.000	0.000	
	11			906	1970	0.459898	-0.0971411	-0.119670	-0.0746119	-8.45	0.000	0.000	
	12			438	1150	0.380870	-0.0181122	-0.0465884	0.0103641	-1.25	<b>0.213</b>	0.213	
	1559			1471	3892	0.377955	-0.0151974	-0.0311741	0.000779378	-1.86	<b>0.062</b>	0.061	
	10/1559												

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**A40 (Cont.): Test and CI for Two Proportions testing the statistical correlation of the black population of each of the GMDs in 1930.**

Samples (GMD)	Sample 1			Sample 2			Estimate for difference	95% CI for difference		Test for difference		Fisher's exact test
	X	N	Sample p	X	N	Sample p		Z	P-Value	P-Value		
1	2			2285	4224	0.540956	-0.187906	-0.206915	-0.168897	-19.37	0.000	0.000
	6			2252	2901	0.776284	-0.423234	-0.442351	-0.404116	-43.39	0.000	0.000
	7			3988	6807	0.585867	-0.232817	-0.249323	-0.216312	-27.65	0.000	0.000
	8			527	1437	0.366736	-0.0136861	-0.0411878	0.0138157	-0.98	<b>0.329</b>	0.330
	9			1033	2742	0.376732	-0.0236821	-0.0452335	-0.00213073	-2.15	0.031	0.031
5	10	2286	0.353050	1250	2865	0.436300	-0.0832500	-0.104820	-0.0616798	-7.56	0.000	0.000
	11			906	1970	0.459898	-0.106848	-0.131745	-0.0819512	-8.41	0.000	0.000
	12			438	1150	0.380870	-0.0278194	-0.0582036	0.00256484	-1.79	<b>0.073</b>	0.071
	1559			1471	3892	0.377955	-0.0249046	-0.0440764	-0.00573275	-2.55	0.011	0.011
	10/1559			2252	2901	0.776284	-0.235328	-0.256677	-0.213978	-21.60	0.000	0.000
6	7			3988	6807	0.585867	-0.0449110	-0.0639572	-0.0258649	-4.62	0.000	0.000
	8			527	1437	0.366736	0.174220	0.145123	0.203318	11.74	0.000	0.000
	9			1033	2742	0.376732	0.164224	0.140670	0.187778	13.67	0.000	0.000
	10	2285	0.540956	1250	2865	0.436300	0.104656	0.0810851	0.128227	8.70	0.000	0.000
	11			906	1970	0.459898	0.0810580	0.0544085	0.107707	5.96	0.000	0.000
7	12			438	1150	0.380870	0.160087	0.128251	0.191923	9.86	0.000	0.000
	1559			1471	3892	0.377955	0.163002	0.141603	0.184400	14.93	0.000	0.000
	10/1559			3988	6807	0.585867	0.190417	0.171262	0.209571	19.48	0.000	0.000
	8			527	1437	0.366736	0.409548	0.380379	0.438716	27.52	0.000	0.000
	9			1033	2742	0.376732	0.399552	0.375910	0.423193	33.12	0.000	0.000
7	10			1250	2865	0.436300	0.339984	0.316325	0.363643	28.17	0.000	0.000
	11	2252	0.776284	906	1970	0.459898	0.316386	0.289659	0.343112	23.20	0.000	0.000
	12			438	1150	0.380870	0.395414	0.363514	0.427315	24.29	0.000	0.000
	1559			1471	3892	0.377955	0.398329	0.376835	0.419824	36.32	0.000	0.000
	10/1559											

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**A40 (Cont.): Test and CI for Two Proportions testing the statistical correlation of the black population of each of the GMDs in 1930.**

Samples (GMD)	Sample 1			Sample 2			Estimate for difference	95% CI for difference		Test for difference		Fisher's exact test
	X	N	Sample p	X	N	Sample p		Z	P-Value	P-Value		
1	2			527	1437	0.366736	0.219131	0.191604	0.246659	15.60	0.000	0.000
8	9			1033	2742	0.376732	0.209135	0.187551	0.230719	18.99	0.000	0.000
	10			1250	2865	0.436300	0.149567	0.127964	0.171170	13.57	0.000	0.000
	11	3988	6807	906	1970	0.459898	0.125969	0.101043	0.150895	9.91	0.000	0.000
	12			438	1150	0.380870	0.204998	0.174590	0.235405	13.21	0.000	0.000
	1559			1471	3892	0.377955	0.207913	0.188704	0.227121	21.21	0.000	0.000
9	10			1033	2742	0.376732	-0.00999606	-0.0408148	0.0208226	-0.64	<b>0.525</b>	0.545
	11			1250	2865	0.436300	-0.0695639	-0.100396	-0.0387321	-4.42	0.000	0.000
	12	527	1437	906	1970	0.459898	-0.0931622	-0.126407	-0.0599177	-5.49	0.000	0.000
	1559			438	1150	0.380870	-0.0141333	-0.0516637	0.0233971	-0.74	<b>0.460</b>	0.462
	10/1559			1471	3892	0.377955	-0.0112185	-0.0404228	0.0179857	-0.75	<b>0.452</b>	0.463
10	11			1250	2865	0.436300	-0.0595679	-0.0852334	-0.0339023	-4.55	0.000	0.000
	12	1033	2742	906	1970	0.459898	-0.0831662	-0.111685	-0.0546475	-5.72	0.000	0.000
	1559			438	1150	0.380870	-0.00413725	-0.0375535	0.0292790	-0.24	<b>0.808</b>	0.828
	10/1559			1471	3892	0.377955	-0.00122247	-0.0249080	0.0224631	-0.10	<b>0.919</b>	0.939
	12			906	1970	0.459898	-0.0235983	-0.0521312	0.00493456	-1.62	<b>0.105</b>	0.105
11	1559	1250	2865	438	1150	0.380870	0.0554306	0.0220022	0.0888590	3.25	0.001	0.001
	10/1559			1471	3892	0.377955	0.0583454	0.0346427	0.0820481	4.82	0.000	0.000
	1559			438	1150	0.380870	0.0790289	0.0433631	0.114695	4.34	0.000	0.000
12			1471	3892	0.377955	0.0819437	0.0551778	0.108710	6.00	0.000	0.000	
1559	10/1559	438	1150	1471	3892	0.377955	0.00291479	-0.0290187	0.0348482	0.18	<b>0.858</b>	0.863

**A40 (Cont.): Test and CI for Two Proportions testing the statistical correlation of the black population of each of the GMDs in 1930.**

**A41: 1830 FREE WHITE, POPULATION GROUPS 1, 2, 3, 4 AND 5**

One-way ANOVA: 1830-1, 1830-2, 1830-3, 1830-4, 1830-5

Source	DF	SS	MS	F	P
Factor	4	0.522625	0.130656	580.42	0.000
Error	7	0.001576	0.000225		
Total	11	0.524201			

S = 0.01500 R-Sq = 99.70% R-Sq(adj) = 99.53%

Individual 95% CIs For Mean Based on Pooled StDev

Level	N	Mean	StDev	
1830-1	4	0.49675	0.00741	(*)
1830-2	1	0.18400	*	(-*)
1830-3	3	0.08800	0.01900	(*)
1830-4	2	0.62950	0.02616	(-*)
1830-5	2	0.54350	0.00212	(*-)

-----+-----+-----+-----+-----  
0.15      0.30      0.45      0.60

Pooled StDev = 0.01500

**A42: 1830 FREE WHITE, POPULATION GROUPS 2 AND 3**

Two-Sample T-Test and CI: 1830-2, 1830-3

\* ERROR \* Not enough data in column.

1830 FREE WHITE, POPULATION GROUPS 2 AND 3

One-way ANOVA: 1830-2, 1830-3

Source	DF	SS	MS	F	P
Factor	1	0.006912	0.006912	19.15	0.048
Error	2	0.000722	0.000361		
Total	3	0.007634			

S = 0.019 R-Sq = 90.54% R-Sq(adj) = 85.81%

Individual 95% CIs For Mean Based on Pooled StDev

Level	N	Mean	StDev	
1830-2	1	0.18400	*	(-----*)
1830-3	3	0.08800	0.01900	(-----*)

-----+-----+-----+-----+-----  
0.060      0.120      0.180      0.240

Pooled StDev = 0.01900

**A43: 1830 FREE WHITE, POPULATION GROUPS 1, 4 AND 5**

One-way ANOVA: 1830-1, 1830-4, 1830-5

Source	DF	SS	MS	F	P
Factor	2	0.023506	0.011753	68.83	0.000
Error	5	0.000854	0.000171		
Total	7	0.024360			

S = 0.01307 R-Sq = 96.50% R-Sq(adj) = 95.09%

Individual 95% CIs For Mean Based on Pooled StDev

Level	N	Mean	StDev	
1830-1	4	0.49675	0.00741	(--*--)
1830-4	2	0.62950	0.02616	(----*----)
1830-5	2	0.54350	0.00212	(----*----)

-----+-----+-----+-----+-----  
0.500      0.550      0.600      0.650

Pooled StDev = 0.01307



**A44: 1830 FREE WHITE, POPULATION GROUPS 1 AND 4**

Two-Sample T-Test and CI: 1830-1, 1830-4

Two-sample T for 1830-1 vs 1830-4

	N	Mean	StDev	SE Mean
1830-1	4	0.49675	0.00741	0.0037
1830-4	2	0.6295	0.0262	0.019

Difference = mu (1830-1) - mu (1830-4)

Estimate for difference: -0.1327

95% CI for difference: (-0.3725, 0.1070)

T-Test of difference = 0 (vs not =): T-Value = -7.04 P-Value = 0.090 DF = 1

**A45: 1830 FREE WHITE, POPULATION GROUPS 1 AND 5**

Two-Sample T-Test and CI: 1830-1, 1830-5

Two-sample T for 1830-1 vs 1830-5

	N	Mean	StDev	SE Mean
1830-1	4	0.49675	0.00741	0.0037
1830-5	2	0.54350	0.00212	0.0015

Difference = mu (1830-1) - mu (1830-5)

Estimate for difference: -0.04675

95% CI for difference: (-0.05947, -0.03403)

T-Test of difference = 0 (vs not =): T-Value = -11.70 P-Value = 0.001 DF = 3

**A46: 1830 FREE WHITE, POPULATION GROUPS 4 AND 5**

Two-Sample T-Test and CI: 1830-4, 1830-5

Two-sample T for 1830-4 vs 1830-5

	N	Mean	StDev	SE Mean
1830-4	2	0.6295	0.0262	0.019
1830-5	2	0.54350	0.00212	0.0015

Difference = mu (1830-4) - mu (1830-5)

Estimate for difference: 0.0860

95% CI for difference: (-0.1498, 0.3218)

T-Test of difference = 0 (vs not =): T-Value = 4.63 P-Value = 0.135 DF = 1

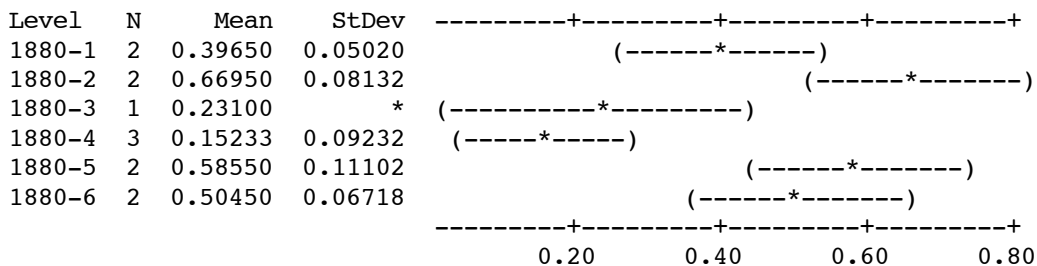
**A47: 1880 WHITE, POPULATION GROUPS 1, 2, 3, 4, 5 AND 6**

One-way ANOVA: 1880-1, 1880-2, 1880-3, 1880-4, 1880-5, 1880-6

Source	DF	SS	MS	F	P
Factor	5	0.44519	0.08904	12.42	0.004
Error	6	0.04301	0.00717		
Total	11	0.48820			

S = 0.08467 R-Sq = 91.19% R-Sq(adj) = 83.85%

Individual 95% CIs For Mean Based on Pooled StDev



Pooled StDev = 0.08467

**A48: 1880 WHITE, POPULATION GROUPS 3 AND 4**

Two-Sample T-Test and CI: 1880-3, 1880-4

\* ERROR \* Not enough data in column.

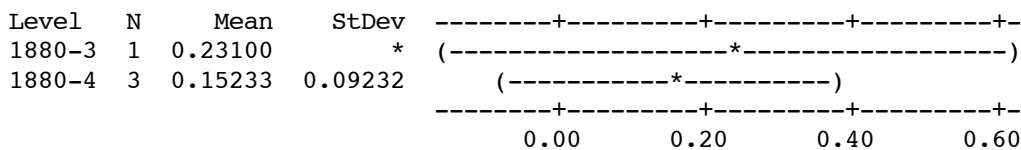
**A49: 1880 WHITE, POPULATION GROUPS 3 AND 4**

One-way ANOVA: 1880-3, 1880-4

Source	DF	SS	MS	F	P
Factor	1	0.00464	0.00464	0.54	0.537
Error	2	0.01704	0.00852		
Total	3	0.02169			

S = 0.09232 R-Sq = 21.40% R-Sq(adj) = 0.00%

Individual 95% CIs For Mean Based on Pooled StDev



Pooled StDev = 0.09232

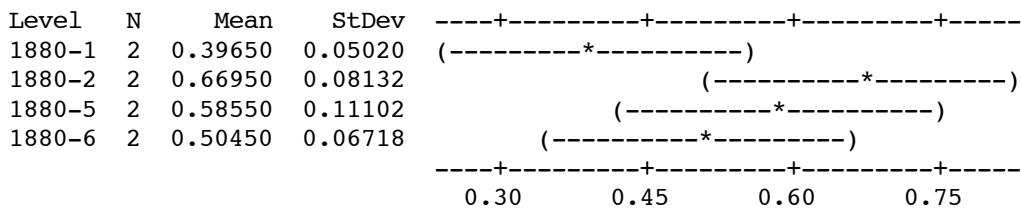
**A50: 1880 WHITE, POPULATION GROUPS 1, 2, 5 AND 6**

One-way ANOVA: 1880-1, 1880-2, 1880-5, 1880-6

Source	DF	SS	MS	F	P
Factor	3	0.08138	0.02713	4.18	0.100
Error	4	0.02597	0.00649		
Total	7	0.10735			

S = 0.08058 R-Sq = 75.81% R-Sq(adj) = 57.66%

Individual 95% CIs For Mean Based on Pooled StDev



Pooled StDev = 0.08058

**A51: 1880 WHITE, POPULATION GROUPS 1 AND 2**

Two-Sample T-Test and CI: 1880-1, 1880-2

Two-sample T for 1880-1 vs 1880-2

	N	Mean	StDev	SE Mean
1880-1	2	0.3965	0.0502	0.036
1880-2	2	0.6695	0.0813	0.057

Difference =  $\mu$  (1880-1) -  $\mu$  (1880-2)

Estimate for difference: -0.2730

95% CI for difference: (-1.1316, 0.5856)

T-Test of difference = 0 (vs not =): T-Value = -4.04 P-Value = 0.154 DF = 1

**A52: 1880 WHITE, POPULATION GROUPS 1 AND 5**

Two-Sample T-Test and CI: 1880-1, 1880-5

Two-sample T for 1880-1 vs 1880-5

	N	Mean	StDev	SE Mean
1880-1	2	0.3965	0.0502	0.036
1880-5	2	0.586	0.111	0.079

Difference =  $\mu$  (1880-1) -  $\mu$  (1880-5)

Estimate for difference: -0.1890

95% CI for difference: (-1.2837, 0.9057)

T-Test of difference = 0 (vs not =): T-Value = -2.19 P-Value = 0.272 DF = 1

**A53: 1880 WHITE, POPULATION GROUPS 1 AND 6**

Two-Sample T-Test and CI: 1880-1, 1880-6

Two-sample T for 1880-1 vs 1880-6

	N	Mean	StDev	SE Mean
1880-1	2	0.3965	0.0502	0.036
1880-6	2	0.5045	0.0672	0.048

Difference =  $\mu$  (1880-1) -  $\mu$  (1880-6)

Estimate for difference: -0.1080

95% CI for difference: (-0.8615, 0.6455)

T-Test of difference = 0 (vs not =): T-Value = -1.82 P-Value = 0.320 DF = 1

**A54: 1880 WHITE, POPULATION GROUPS 2 AND 5**

Two-Sample T-Test and CI: 1880-2, 1880-5

Two-sample T for 1880-2 vs 1880-5

	N	Mean	StDev	SE Mean
1880-2	2	0.6695	0.0813	0.057
1880-5	2	0.586	0.111	0.079

Difference =  $\mu$  (1880-2) -  $\mu$  (1880-5)

Estimate for difference: 0.0840

95% CI for difference: (-1.1524, 1.3204)

T-Test of difference = 0 (vs not =): T-Value = 0.86 P-Value = 0.547 DF = 1

**A55: 1880 WHITE, POPULATION GROUPS 2 AND 6**

Two-Sample T-Test and CI: 1880-2, 1880-6

Two-sample T for 1880-2 vs 1880-6

	N	Mean	StDev	SE Mean
1880-2	2	0.6695	0.0813	0.057
1880-6	2	0.5045	0.0672	0.048

Difference = mu (1880-2) - mu (1880-6)

Estimate for difference: 0.1650

95% CI for difference: (-0.7827, 1.1127)

T-Test of difference = 0 (vs not =): T-Value = 2.21 P-Value = 0.270 DF = 1

**A56: 1880 WHITE, POPULATION GROUPS 5 AND 6**

Two-Sample T-Test and CI: 1880-5, 1880-6

Two-sample T for 1880-5 vs 1880-6

	N	Mean	StDev	SE Mean
1880-5	2	0.586	0.111	0.079
1880-6	2	0.5045	0.0672	0.048

Difference = mu (1880-5) - mu (1880-6)

Estimate for difference: 0.0810

95% CI for difference: (-1.0848, 1.2468)

T-Test of difference = 0 (vs not =): T-Value = 0.88 P-Value = 0.540 DF = 1

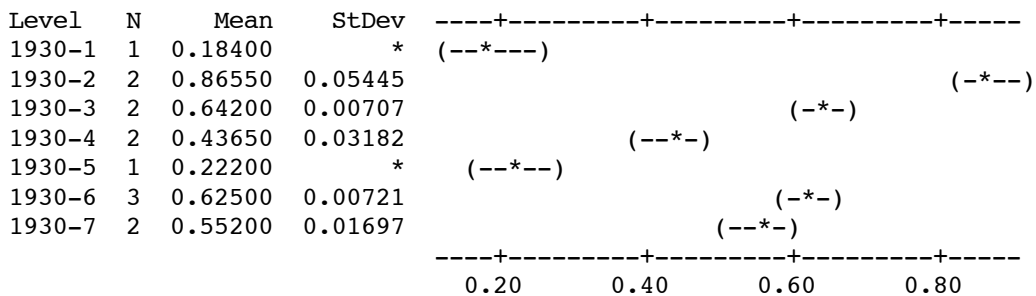
**A57: 1930 WHITE, POPULATION GROUPS 1, 2, 3, 4, 5, 6 AND 7**

One-way ANOVA: 1930-1, 1930-2, 1930-3, 1930-4, 1930-5, 1930-6, 1930-7

Source	DF	SS	MS	F	P
Factor	6	0.499032	0.083172	112.93	0.000
Error	6	0.004419	0.000737		
Total	12	0.503451			

S = 0.02714 R-Sq = 99.12% R-Sq(adj) = 98.24%

Individual 95% CIs For Mean Based on Pooled StDev



Pooled StDev = 0.02714

**A58: 1930 WHITE, POPULATION GROUPS 1 AND 5**

Two-Sample T-Test and CI: 1930-1, 1930-5

\* ERROR \* Not enough data in column.

**A59: 1930 WHITE, POPULATION GROUPS 1 AND 5**

One-way ANOVA: 1930-1, 1930-5

\* ERROR \* Only one response at each level.

**A60: 1930 WHITE, POPULATION GROUPS 1 AND 5**

Test and CI for Two Proportions

Sample	X	N	Sample p
1	5088	27699	0.183689
2	644	2901	0.221992

Difference = p (1) - p (2)

Estimate for difference: -0.0383035

95% CI for difference: (-0.0540990, -0.0225080)

Test for difference = 0 (vs not = 0): Z = -4.75 P-Value = 0.000

Fisher's exact test: P-Value = 0.000

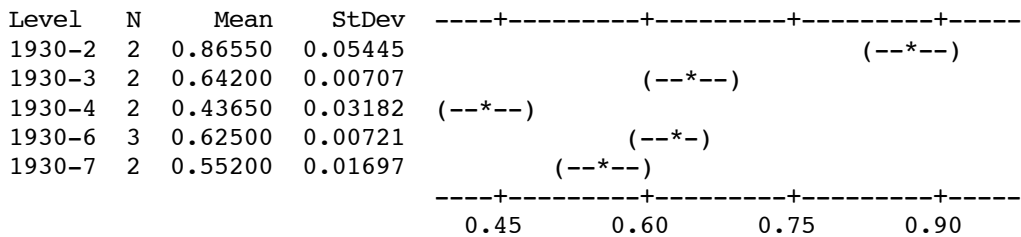
**A61: 1930 WHITE, POPULATION GROUPS 2, 3, 4, 6 AND 7**

One-way ANOVA: 1930-2, 1930-3, 1930-4, 1930-6, 1930-7

Source	DF	SS	MS	F	P
Factor	4	0.197975	0.049494	67.20	0.000
Error	6	0.004419	0.000737		
Total	10	0.202394			

S = 0.02714 R-Sq = 97.82% R-Sq(adj) = 96.36%

Individual 95% CIs For Mean Based on Pooled StDev



Pooled StDev = 0.02714

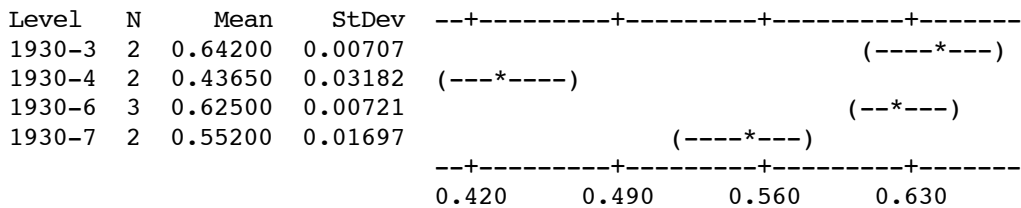
**A62: 1930 WHITE, POPULATION GROUPS 3, 4, 6 AND 7**

One-way ANOVA: 1930-3, 1930-4, 1930-6, 1930-7

Source	DF	SS	MS	F	P
Factor	3	0.055732	0.018577	63.86	0.000
Error	5	0.001455	0.000291		
Total	8	0.057186			

S = 0.01706 R-Sq = 97.46% R-Sq(adj) = 95.93%

Individual 95% CIs For Mean Based on Pooled StDev



Pooled StDev = 0.01706

**A63: 1930 WHITE, POPULATION GROUPS 3 AND 4**

Two-Sample T-Test and CI: 1930-3, 1930-4

Two-sample T for 1930-3 vs 1930-4

	N	Mean	StDev	SE Mean
1930-3	2	0.64200	0.00707	0.0050
1930-4	2	0.4365	0.0318	0.023

Difference = mu (1930-3) - mu (1930-4)

Estimate for difference: 0.2055

95% CI for difference: (-0.0874, 0.4984)

T-Test of difference = 0 (vs not =): T-Value = 8.92 P-Value = 0.071 DF = 1

**A64: 1930 WHITE, POPULATION GROUPS 3 AND 6**

Two-Sample T-Test and CI: 1930-3, 1930-6

Two-sample T for 1930-3 vs 1930-6

	N	Mean	StDev	SE Mean
1930-3	2	0.64200	0.00707	0.0050
1930-6	3	0.62500	0.00721	0.0042

Difference = mu (1930-3) - mu (1930-6)

Estimate for difference: 0.01700

95% CI for difference: (-0.01099, 0.04499)

T-Test of difference = 0 (vs not =): T-Value = 2.61 P-Value = 0.121 DF = 2

**A65: 1930 WHITE, POPULATION GROUPS 3 AND 7**

Two-Sample T-Test and CI: 1930-3, 1930-7

Two-sample T for 1930-3 vs 1930-7

	N	Mean	StDev	SE Mean
1930-3	2	0.64200	0.00707	0.0050
1930-7	2	0.5520	0.0170	0.012

Difference = mu (1930-3) - mu (1930-7)

Estimate for difference: 0.0900

95% CI for difference: (-0.0752, 0.2552)

T-Test of difference = 0 (vs not =): T-Value = 6.92 P-Value = 0.091 DF = 1

**A66: 1930 WHITE, POPULATION GROUPS 4 AND 6**

Two-Sample T-Test and CI: 1930-4, 1930-6

Two-sample T for 1930-4 vs 1930-6

	N	Mean	StDev	SE Mean
1930-4	2	0.4365	0.0318	0.023
1930-6	3	0.62500	0.00721	0.0042

Difference = mu (1930-4) - mu (1930-6)

Estimate for difference: -0.1885

95% CI for difference: (-0.4792, 0.1022)

T-Test of difference = 0 (vs not =): T-Value = -8.24 P-Value = 0.077 DF = 1

**A67: 1930 WHITE, POPULATION GROUPS 4 AND 7**

Two-Sample T-Test and CI: 1930-4, 1930-7

Two-sample T for 1930-4 vs 1930-7

	N	Mean	StDev	SE Mean
1930-4	2	0.4365	0.0318	0.023
1930-7	2	0.5520	0.0170	0.012

Difference =  $\mu$  (1930-4) -  $\mu$  (1930-7)

Estimate for difference: -0.1155

95% CI for difference: (-0.4395, 0.2085)

T-Test of difference = 0 (vs not =): T-Value = -4.53 P-Value = 0.138 DF = 1

**A68: 1930 WHITE, POPULATION GROUPS 6 AND 7**

Two-Sample T-Test and CI: 1930-6, 1930-7

Two-sample T for 1930-6 vs 1930-7

	N	Mean	StDev	SE Mean
1930-6	3	0.62500	0.00721	0.0042
1930-7	2	0.5520	0.0170	0.012

Difference =  $\mu$  (1930-6) -  $\mu$  (1930-7)

Estimate for difference: 0.0730

95% CI for difference: (-0.0884, 0.2344)

T-Test of difference = 0 (vs not =): T-Value = 5.75 P-Value = 0.110 DF = 1

## *Appendix B*

### *Building Population Statistical Data*



**B1: Historic building population in the study area in 1830.**

Study Area	Single Family Residential	Multi-family Residential	Rental Residential	Civic Private	Civic Public	Comm	Total
GMD01	1	-	-	-	-	-	1
GMD02	7	-	-	-	-	4	11
GMD03	10	16	1	2	-	4	33
GMD04	16	9	-	1	-	2	28
GMD05	11	4	-	-	1	-	16
GMD06	-	-	-	-	-	-	0
GMD07	4	2	-	-	-	1	7
GMD08	1	6	-	-	-	-	7
GMD09	2	-	-	-	-	-	2
GMD10	6	-	-	-	-	-	6
GMD11	2	-	-	-	-	-	2
GMD12	3	-	-	-	-	-	3
Total	63	37	1	3	1	11	116

**B2: Historic building population in the study area in 1880.**

Study Area	Single Family Residential	Multi-family Residential	Rental Residential	Civic Private	Civic Public	Comm	Total
GMD01	1	-	-	1	-	11	13
GMD02	11	39	-	1	-	25	76
GMD03	43	65	4	5	3	48	168
GMD04	104	324	4	6	5	18	461
GMD05	59	16	-	16	6	3	100
GMD06	6	55	-	1	-	1	63
GMD07	3	-	-	-	-	-	3
GMD08	15	-	-	-	-	-	15
GMD09	19	-	-	-	-	2	21
GMD10	74	3	1	8	-	-	86
GMD11	21	-	-	3	-	-	24
GMD12	12	4	-	1	-	2	19
Total	368	506	9	42	14	110	1049

**B3: Historic building population in the study area in 1930.**

Study Area	Single Family Residential	Multi-family Residential	Rental Residential	Civic Private	Civic Public	Comm	Total
GMD01	495	240	6	2	3	41	787
GMD02	6	16	1	2	-	9	34
GMD03	13	34	7	8	5	28	95
GMD04	2627	625	50	9	3	65	3379
GMD05	801	59	39	13	23	14	949
GMD06	722	27	3	3	-	4	759
GMD07	129	10	-	-	8	1	148
GMD08	238	-	-	8	4	13	263
GMD09	25	2	-	-	-	1	28
GMD10	83	4	-	2	2	1	92
GMD11	75	2	-	1	-	5	83
GMD12	33	-	-	-	1	4	38
GMD1559	21	2	-	-	1	-	24
Total	5268	1021	106	48	50	186	6679

**B4: Historic building population in the study area.**

Study Area	Single Family Residential	Multi-family Residential	Rental Residential	Civic Private	Civic Public	Comm	Total
1830	63	37	1	3	1	11	116
1880	368	506	9	42	14	110	1049
1930	5268	1021	106	48	50	186	6679
Total	5699	1564	116	93	65	307	7844

**B5: Historic building population in Chatham County in 1830.**

Chatham	Single Family Residential	Multi-family Residential	Rental Residential	Civic Private	Civic Public	Comm	Total
GMD01	1	-	-	-	-	-	1
GMD02	7	-	-	-	-	4	11
GMD03	10	16	1	2	-	4	33
GMD04	16	9	-	1	-	2	28
GMD05	11	4	-	-	1	-	16
GMD06	-	-	-	-	-	-	0
GMD07	4	2	-	-	-	1	7
GMD08	1	6	-	-	-	-	7
Total	50	37	1	3	1	11	103

**B6: Historic building population in Effingham County in 1830.**

Effingham	Single Family Residential	Multi-family Residential	Rental Residential	Civic Private	Civic Public	Comm	Total
GMD09	2	-	-	-	-	-	2
GMD10	6	-	-	-	-	-	6
GMD11	2	-	-	-	-	-	2
GMD12	3	-	-	-	-	-	3
Total	13	0	0	0	0	0	13

**B7: Historic building population in Chatham County in 1880.**

Chatham	Single Family Residential	Multi-family Residential	Rental Residential	Civic Private	Civic Public	Comm	Total
GMD01	1	-	-	1	-	11	13
GMD02	11	39	-	1	-	25	76
GMD03	43	65	4	5	3	48	168
GMD04	104	324	4	6	5	18	461
GMD05	59	16	-	16	6	3	100
GMD06	6	55	-	1	-	1	63
GMD07	3	-	-	-	-	-	3
GMD08	15	-	-	-	-	-	15
Total	242	499	8	30	14	106	899

**B8: Historic building population in Effingham County in 1880.**

Effingham	Single Family Residential	Multi-family Residential	Rental Residential	Civic Private	Civic Public	Comm	Total
GMD09	19	-	-	-	-	2	21
GMD10	74	3	1	8	-	-	86
GMD11	21	-	-	3	-	-	24
GMD12	12	4	-	1	-	2	19
Total	126	7	1	12	0	4	150

**B9: Historic building population in Chatham County in 1930.**

Chatham	Single Family Residential	Multi-family Residential	Rental Residential	Civic Private	Civic Public	Comm	Total
GMD01	495	240	6	2	3	41	787
GMD02	6	16	1	2	-	9	34
GMD03	13	34	7	8	5	28	95
GMD04	2627	625	50	9	3	65	3379
GMD05	801	59	39	13	23	14	949
GMD06	722	27	3	3	-	4	759
GMD07	129	10	-	-	8	1	148
GMD08	238	-	-	8	4	13	263
Total	5031	1011	106	45	46	175	6414

**B10: Historic building population in Effingham County in 1930.**

Effingham	Single Family Residential	Multi-family Residential	Rental Residential	Civic Private	Civic Public	Comm	Total
GMD09	25	2	-	-	-	1	28
GMD10	83	4	-	2	2	1	92
GMD11	75	2	-	1	-	5	83
GMD12	33	-	-	-	1	4	38
GMD1559	21	2	-	-	1	-	24
Total	237	10	0	3	4	11	265

**B11: Relative percentage of buildings in each category in 1830.**

1830	Single Family Residential	Multi-family Residential	Rental Residential	Civic Private	Civic Public	Comm	Total
Chatham	50	37	1	3	1	11	103
%	48.5%	35.9%	1.0%	2.9%	1.0%	10.7%	100.0%
Effingham	13	0	0	0	0	0	13
%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total	63	37	1	3	1	11	116
%	54.3%	31.9%	0.9%	2.6%	0.9%	9.5%	100.0%

**B12: Relative percentage of buildings in each category in 1880.**

1880	Single Family Residential	Multi-family Residential	Rental Residential	Civic Private	Civic Public	Comm	Total
Chatham	242	499	8	30	14	106	899
%	26.9%	55.5%	0.9%	3.3%	1.6%	11.8%	100.0%
Effingham	126	7	1	12	0	4	150
%	84.0%	4.7%	0.7%	8.0%	0.0%	2.7%	100.0%
Total	368	506	9	42	14	110	1049
%	35.1%	48.2%	0.9%	4.0%	1.3%	10.5%	100.0%

**B13: Relative percentage of buildings in each category in 1930.**

1930	Single Family Residential	Multi-family Residential	Rental Residential	Civic Private	Civic Public	Comm	Total
Chatham	5031	1011	106	45	46	175	6414
%	78.4%	15.8%	1.7%	0.7%	0.7%	2.7%	100.0%
Effingham	237	10	0	3	4	11	265
%	89.4%	3.8%	0.0%	1.1%	1.5%	4.2%	100.0%
Total	5268	1021	106	48	50	186	6679
%	78.9%	15.3%	1.6%	0.7%	0.7%	2.8%	100.0%

**B14: Relative percentage of buildings in each category.**

	Single Family Residential	Multi-family Residential	Rental Residential	Civic Private	Civic Public	Comm	Total
Total	5699	1564	116	93	65	307	7844
%	72.7%	19.9%	1.5%	1.2%	0.8%	3.9%	100.0%

**B15: Historic building sample in the study area in 1830.**

Study Area	Single Family Residential	Multi-family Residential	Rental Residential	Civic Private	Civic Public	Comm	Total
GMD01	1	-	-	-	-	-	1
GMD02	3	-	-	-	-	1	4
GMD03	2	1	1	1	-	-	5
GMD04	3	1	-	1	-	1	6
GMD05	3	1	-	-	-	-	4
GMD06	-	-	-	-	-	-	0
GMD07	-	1	-	-	-	1	2
GMD08	-	1	-	-	-	-	1
GMD09	2	-	-	-	-	-	2
GMD10	2	-	-	-	-	-	2
GMD11	-	-	-	-	-	-	0
GMD12	3	-	-	-	-	-	3
Total	19	5	1	2	0	3	30

**B16: Historic building sample in the study area in 1880.**

Study Area	Single Family Residential	Multi-family Residential	Rental Residential	Civic Private	Civic Public	Comm	Total
GMD01	1	-	-	1	-	1	3
GMD02	3	1	-	1	-	1	6
GMD03	3	1	1	1	1	1	8
GMD04	3	1	1	1	1	1	8
GMD05	3	1	-	1	-	1	6
GMD06	3	1	-	-	-	-	4
GMD07	2	-	-	-	-	-	2
GMD08	2	-	-	-	-	-	2
GMD09	3	-	-	-	-	1	4
GMD10	3	1	1	1	-	-	6
GMD11	3	-	-	-	-	-	3
GMD12	3	1	-	-	-	1	5
Total	32	7	3	6	2	7	57

**B17: Historic building sample in the study area in 1930.**

Study Area	Single Family Residential	Multi-family Residential	Rental Residential	Civic Private	Civic Public	Comm	Total
GMD01	3	1	1	1	1	1	8
GMD02	3	1	1	1	-	1	7
GMD03	3	1	1	1	1	1	8
GMD04	3	1	1	1	1	1	8
GMD05	3	1	1	1	1	1	8
GMD06	3	1	1	1	-	-	6
GMD07	3	-	-	-	-	-	3
GMD08	3	-	-	1	1	-	5
GMD09	3	1	-	-	-	-	4
GMD10	3	1	-	-	1	-	5
GMD11	3	1	-	-	-	1	5
GMD12	3	-	-	-	1	1	5
GMD1559	3	1	-	-	1	-	5
Total	39	10	6	7	8	7	77

**B18: Historic building sample in the study area.**

Study Area	Single Family Residential	Multi-family Residential	Rental Residential	Civic Private	Civic Public	Comm	Total
1830	19	5	1	2	-	3	30
1880	32	7	3	6	2	7	57
1930	39	10	6	7	8	7	77
Total	90	22	10	15	10	17	164

**B19: Historic building sample in Chatham County in 1830.**

Chatham	Single Family Residential	Multi-family Residential	Rental Residential	Civic Private	Civic Public	Comm	Total
GMD01	1	-	-	-	-	-	1
GMD02	3	-	-	-	-	1	4
GMD03	2	1	1	1	-	-	5
GMD04	3	1	-	1	-	1	6
GMD05	3	1	-	-	-	-	4
GMD06	-	-	-	-	-	-	0
GMD07	-	1	-	-	-	1	2
GMD08	-	1	-	-	-	-	1
Total	12	5	1	2	0	3	23

**B20: Historic building sample in Effingham County in 1830.**

Effingham	Single Family Residential	Multi-family Residential	Rental Residential	Civic Private	Civic Public	Comm	Total
GMD09	2	-	-	-	-	-	2
GMD10	2	-	-	-	-	-	2
GMD11	-	-	-	-	-	-	0
GMD12	3	-	-	-	-	-	3
Total	7	0	0	0	0	0	7

**B21: Historic building sample in Chatham County in 1880.**

Chatham	Single Family Residential	Multi-family Residential	Rental Residential	Civic Private	Civic Public	Comm	Total
GMD01	1	-	-	1	-	1	3
GMD02	3	1	-	1	-	1	6
GMD03	3	1	1	1	1	1	8
GMD04	3	1	1	1	1	1	8
GMD05	3	1	-	1	-	1	6
GMD06	3	1	-	-	-	-	4
GMD07	2	-	-	-	-	-	2
GMD08	2	-	-	-	-	-	2
Total	20	5	2	5	2	5	39

**B22: Historic building sample in Effingham County in 1880.**

Effingham	Single Family Residential	Multi-family Residential	Rental Residential	Civic Private	Civic Public	Comm	Total
GMD09	3	-	-	-	-	1	4
GMD10	3	1	1	1	-	-	6
GMD11	3	-	-	-	-	-	3
GMD12	3	1	-	-	-	1	5
Total	12	2	1	1	0	2	18



**B23: Historic building sample in Chatham County in 1930.**

Chatham	Single Family Residential	Multi-family Residential	Rental Residential	Civic Private	Civic Public	Comm	Total
GMD01	3	1	1	1	1	1	8
GMD02	3	1	1	1	-	1	7
GMD03	3	1	1	1	1	1	8
GMD04	3	1	1	1	1	1	8
GMD05	3	1	1	1	1	1	8
GMD06	3	1	1	1	-	-	6
GMD07	3	-	-	-	-	-	3
GMD08	3	-	-	1	1	-	5
Total	24	6	6	7	5	5	53

**B24: Historic building sample in Effingham County in 1930.**

Effingham	Single Family Residential	Multi-family Residential	Rental Residential	Civic Private	Civic Public	Comm	Total
GMD09	3	1	-	-	-	-	4
GMD10	3	1	-	-	1	-	5
GMD11	3	1	-	-	-	1	5
GMD12	3	-	-	-	1	1	5
GMD1559	3	1	-	-	1	-	5
Total	15	4	0	0	3	2	24

**B25: Relative percentage of sample buildings in each category in 1830.**

1830	Single Family Residential	Multi-family Residential	Rental Residential	Civic Private	Civic Public	Comm	Total
Chatham	12	5	1	2	0	3	23
%	52.2%	21.7%	4.3%	8.7%	0.0%	13.0%	100.0%
Effingham	7	0	0	0	0	0	7
%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total	19	5	1	2	0	3	30
%	63.3%	16.7%	3.3%	6.7%	0.0%	10.0%	100.0%

**B26: Relative percentage of sample buildings in each category in 1880.**

1880	Single Family Residential	Multi-family Residential	Rental Residential	Civic Private	Civic Public	Comm	Total
Chatham	20	5	2	5	2	5	39
%	51.3%	12.8%	5.1%	12.8%	5.1%	12.8%	100.0%
Effingham	12	2	1	1	0	2	18
%	66.7%	11.1%	5.6%	5.6%	0.0%	11.1%	100.0%
Total	32	7	3	6	2	7	57
%	56.1%	12.3%	5.3%	10.5%	3.5%	12.3%	100.0%

**B27: Relative percentage of sample buildings in each category in 1930.**

1930	Single Family Residential	Multi-family Residential	Rental Residential	Civic Private	Civic Public	Comm	Total
Chatham	24	6	6	7	5	5	53
%	45.3%	11.3%	11.3%	13.2%	9.4%	9.4%	100.0%
Effingham	15	4	0	0	3	2	24
%	62.5%	16.7%	0.0%	0.0%	12.5%	8.3%	100.0%
Total	39	10	6	7	8	7	77
%	50.6%	13.0%	7.8%	9.1%	10.4%	9.1%	100.0%

**B28: Relative percentage of sample buildings in each category.**

	Single Family Residential	Multi-family Residential	Rental Residential	Civic Private	Civic Public	Comm	Total
Total	90	22	10	15	10	17	164
%	54.9%	13.4%	6.1%	9.1%	6.1%	10.4%	100.0%

GMD	Population Group	Ancestry Group	Free Black Group	Area (sq km)	Area (sq m)	Unbuildable Land (sq km)	Unbuildable Land (sq m)	Unbuildable Land (%)	Buildable Land (sq km)	Buildable Land (sq m)	Buildable Land (%)
1	1	AA-EA	1	1	1070228	0.097919	97919	9.1%	0.972309	972309	90.9%
2	1	AA-EA	2	0	275802	0.026497	26497	9.6%	0.249305	249305	90.4%
3	1	AA-EA	2	1	806413	0.052666	52666	6.5%	0.753747	753747	93.5%
4	1	AA-EA	3	1	808125	0.091156	91156	11.3%	0.716969	716969	88.7%
5	2	AA	3	708	707969991	514.756149	514756149	72.7%	193.213842	193213842	27.3%
6	3	AA	4	183	183365239	76.621995	76621995	41.8%	106.743244	106743244	58.2%
7	3	AA	4	237	237326202	12.91632	12916320	5.4%	224.409882	224409882	94.6%
8	3	AA	4	220	220340318	39.214694	39214694	17.8%	181.125624	181125624	82.2%
9	4	EA	4	275	274689539	5.322303	5322303	1.9%	269.367236	269367236	98.1%
10	5	EA	4	354	353803700	5.188468	5188468	1.5%	348.615232	348615232	98.5%
11	4	EA	4	271	271154523	2.655087	2655087	1.0%	268.499436	268499436	99.0%
12	5	EA	4	349	348602324	7.169973	7169973	2.1%	341.432351	341432351	97.9%

**B29: Buildable and Unbuildable land in each GMD in 1830.**

GMD	Wetlands 1830 (sq m)	Marine Deepwater 1830 (sq m)	Marine Wetland 1830 (sq m)	Emergent Wetland 1830 (sq m)	Freshwater Wetland 1830 (sq m)	Freshwater Pond 1830 (sq m)	Lake 1830 (sq m)	Riverine 1830 (sq m)
1	97919	97919	0	0	0	0	0	0
2	26497	26497	0	0	0	0	0	0
3	52666	52666	0	0	0	0	0	0
4	91156	91156	0	0	0	0	0	0
5	514756149	174002707	334008379	4306972	0	1724141	574145	139805
6	76621995	13420307	56199946	5241219	0	1229442	190438	340643
7	12916320	63987	1894351	4940826	0	3233427	1662772	1120957
8	39214694	5383462	2786247	21657397	0	1992739	797187	6597662
9	5322303	0	0	1157844	0	1573872	0	2590587
10	5188468	0	0	1978895	0	1252387	720096	1237090
11	2655087	0	0	526163	0	1157412	0	971512
12	7169973	0	0	4220076	0	860843	82248	2006806

**B30: Hydrographic features used to calculate unbuildable land in each GMD in 1830.**

GMD	Population Group	Ancestry Group	Free Black Group	Area (sq km)	20th C Development (sq km)	20th C Development (sq m)	20th C Development (%)	Historic Environment (sq km)	Historic Environment (sq m)	Historic Environment (%)
1	1	AA-EA	1	1	0.554204	554204	57.0%	0.418105	418105	43.0%
2	1	AA-EA	2	0	0.015605	15605	6.3%	0.2337	233700	93.7%
3	1	AA-EA	2	1	0.00027	270	0.0%	0.753477	753477	100.0%
4	1	AA-EA	3	1	0.065119	65119	9.1%	0.65185	651850	90.9%
5	2	AA	3	708	57.620508	57620508	29.8%	135.593334	135593334	70.2%
6	3	AA	4	183	29.048762	29048762	27.2%	77.694482	77694482	72.8%
7	3	AA	4	237	107.536381	107536381	47.9%	116.873501	116873501	52.1%
8	3	AA	4	220	122.511496	122511496	67.6%	58.614128	58614128	32.4%
9	4	EA	4	275	114.683489	114683489	42.6%	154.683747	154683747	57.4%
10	5	EA	4	354	157.494911	157494911	45.2%	191.120321	191120321	54.8%
11	4	EA	4	271	113.331316	113331316	42.2%	155.16812	155168120	57.8%
12	5	EA	4	349	192.882195	192882195	56.5%	148.550156	148550156	43.5%

**B31: 20th Century Development and Historic Environment area for each GMD in 1830.**

GMD	Silviculture 1830 (sq m)	Zoning 1830 (sq m)	Park 1830 (sq m)	Residential 1830 (sq m)	Residential MF 1830 (sq m)	PUD 1830 (sq m)	Business 1830 (sq m)	Industrial 1830 (sq m)
1	0	556854	2650	0	121620	0	0	432584
2	0	29536	13931	0	0	0	0	15605
3	0	116438	116168	0	270	0	0	0
4	0	139538	74419	0	36500	0	0	28619
5	0	312068252	254447744	269302	2876462	37338970	541220	16594554
6	0	42955014	13906252	523883	4419720	14091994	331573	9681592
7	0	123664632	16128251	3879187	2034624	63628547	2905228	35088795
8	0	152904604	30393108	73011	179955	29166713	5431713	87660104
9	50945448	63738041	6382	9175737	116153	29666822	1872400	22906929
10	136487791	21007120	15782	351340	101738	3316451	3956910	13280681
11	111704410	1626906	15551	495405	387868	0	453564	290069
12	191715673	1166522	0	0	0	0	270341	896181

**B32: Development types used to calculate 20th century development for each GMD in 1830.**

GMD	Population Group	Ancestry Group	Free Black Group	Area (sq km)	Human Population Density (EA)/sq km	Human Population Density (AA)/sq km	Human Population Density (Total)/sq km	Building Population Density/sq km
1	1	AA-EA	1	1	777	817	1593	1.0285
2	1	AA-EA	2	0	2359	2310	4669	44.1227
3	1	AA-EA	2	1	1782	1806	3587	43.7813
4	1	AA-EA	3	1	1153	1160	2314	39.0533
5	2	AA	3	708	1	3	4	0.0828
6	3	AA	4	183	1	18	19	0.0000
7	3	AA	4	237	1	7	8	0.0312
8	3	AA	4	220	2	13	14	0.0386
9	4	EA	4	275	2	1	4	0.0074
10	5	EA	4	354	1	1	2	0.0172
11	4	EA	4	271	1	1	2	0.0074
12	5	EA	4	349	1	1	2	0.0088

**B33: Human Population and Building Population density for each GMD in 1830.**

GMD	Population Group	Ancestry Group	Area (sq km)	Area (sq m)	Unbuildable Land (sq km)	Unbuildable Land (sq m)	Unbuildable Land (%)	Buildable Land (sq km)	Buildable Land (sq m)	Buildable Land (%)
1	1	AA-EA	6	6391680	0.303044	303044	4.7%	6.088636	6088636	95.3%
2	2	AA-EA	1	501593	0.026432	26432	5.3%	0.475161	475161	94.7%
3	2	AA-EA	1	1050557	0.052666	52666	5.0%	0.997891	997891	95.0%
4	1	AA-EA	4	4058465	0.539017	539017	13.3%	3.519448	3519448	86.7%
5	3	AA	705	705365107	514.581981	514581981	73.0%	190.783126	190783126	27.0%
6	4	AA	183	183079729	76.621994	76621994	41.9%	106.457735	106457735	58.1%
7	4	AA	233	232761852	12.840018	12840018	5.5%	219.921834	219921834	94.5%
8	4	AA	219	218753146	38.812248	38812248	17.7%	179.940898	179940898	82.3%
9	5	AA-EA	275	274689539	5.322303	5322303	1.9%	269.367236	269367236	98.1%
10	6	AA-EA	325	325292283	4.631755	4631755	1.4%	320.660528	320660528	98.6%
11	5	AA-EA	359	359440937	6.111682	6111682	1.7%	353.329255	353329255	98.3%
12	6	AA-EA	289	288830912	4.271061	4271061	1.5%	284.559851	284559851	98.5%

**B34: Buildable and Unbuildable land in each GMD in 1880.**



GMD	Wetlands 1830 (sq m)	Marine Deepwater 1830 (sq m)	Marine Wetland 1830 (sq m)	Emergent Wetland 1830 (sq m)	Freshwater Wetland 1830 (sq m)	Freshwater Pond 1830 (sq m)	Lake 1830 (sq m)	Riverine 1830 (sq m)
1	303044	226740	0	3801	0	72503	0	0
2	26432	26432	0	0	0	0	0	0
3	52666	52666	0	0	0	0	0	0
4	539017	514417	0	24600	0	0	0	0
5	514581981	173853136	334008382	4282372	0	1724141	574145	139805
6	76621994	13420306	56199946	5241219	0	1229442	190438	340643
7	12840018	63987	1894351	4937028	0	3160924	1662772	1120956
8	38812248	4981019	2786247	21657394	0	1992739	797187	6597662
9	5322303	0	0	1157844	0	1573872		2590587
10	4631755	0	0	1950380	0	1236187	365315	1079873
11	6111682	0	0	2684517	0	1568776	82248	1776141
12	4271061	0	0	2091112	0	465718	354781	1359450

**B35: Hydrographic features used to calculate unbuildable land in each GMD in 1880.**

GMD	Population Group	Ancestry Group	Area (sq km)	20th C Development (sq km)	20th C Development (sq m)	20th C Development (%)	Historic Environment (sq km)	Historic Environment (sq m)	Historic Environment (%)
1	1	AA-EA	6	4.061054	4061054	66.7%	2.027582	2027582	33.3%
2	2	AA-EA	1	0.124488	124488	26.2%	0.350673	350673	73.8%
3	2	AA-EA	1	0.1318	131800	13.2%	0.866091	866091	86.8%
4	1	AA-EA	4	2.282173	2282173	64.8%	1.237275	1237275	35.2%
5	3	AA	705	56.113305	56113305	29.4%	134.669821	134669821	70.6%
6	4	AA	183	28.817018	28817018	27.1%	77.640717	77640717	72.9%
7	4	AA	233	104.852015	104852015	47.7%	115.069819	115069819	52.3%
8	4	AA	219	120.970507	120970507	67.2%	58.970391	58970391	32.8%
9	5	AA-EA	275	114.459758	114459758	42.5%	154.907478	154907478	57.5%
10	6	AA-EA	325	150.222171	150222171	46.8%	170.438357	170438357	53.2%
11	5	AA-EA	359	156.233915	156233915	44.2%	197.09534	197095340	55.8%
12	6	AA-EA	289	157.253516	157253516	55.3%	127.306335	127306335	44.7%

**B36: 20th Century Development and Historic Environment area for each GMD in 1880.**

GMD	Silviculture 1830 (sq m)	Zoning 1830 (sq m)	Park 1830 (sq m)	Residential 1830 (sq m)	Residential MF 1830 (sq m)	PUD 1830 (sq m)	Business 1830 (sq m)	Industrial 1830 (sq m)
1	0	4583505	522451	0	1035631	98599	42062	2884762
2	0	141062	16574	0	79492	0	29483	15513
3	0	302336	170536	0	131800	0	0	0
4	0	2389875	107702	0	515530	315909	0	1450734
5	0	310501759	254388454	269302	2337857	37091476	541220	15873450
6	0	42696653	13879635	523883	4227848	14091992	291703	9681592
7	0	120458207	15606192	3879187	1161040	63529950	2873555	33408283
8	0	151361492	30390985	73011	179955	29098304	5431713	86187524
9	50945448	63514310	6382	9175737	116153	29666822	1872400	22683198
10	129215052	21007119	15782	351340	101738	3316451	3956910	13280680
11	153632040	2601875	15551	495405	387868	0	533279	1185323
12	157061962	191554	0	0	0	0	190626	928

**B37: Development types used to calculate 20th century development for each GMD in 1880.**

GMD	Population Group	Ancestry Group	Area (sq km)	Human Population Density (EA)/sq km	Human Population Density (AA)/sq km	Human Population Density (Total)/sq km	Building Population Density/sq km
1	1	AA-EA	6	574	1014	1588	2.1351
2	2	AA-EA	1	5615	3552	9167	159.9458
3	2	AA-EA	1	4140	1549	5697	168.3551
4	1	AA-EA	4	1350	1774	3124	130.9865
5	3	AA	705	6	21	27	0.5242
6	4	AA	183	3	36	39	0.5918
7	4	AA	233	3	8	11	0.0136
8	4	AA	219	2	13	14	0.0834
9	5	AA-EA	275	2	1	4	0.0780
10	6	AA-EA	325	4	3	7	0.2682
11	5	AA-EA	359	2	2	4	0.0679
12	6	AA-EA	289	2	2	4	0.0668

**B38: Human Population and Building Population density for each GMD in 1880.**

GMD	Population Group	Ancestry Group	Area (sq km)	Unbuildable Land (sq km)	Unbuildable Land (sq m)	Unbuildable Land (%)	Buildable Land (sq km)	Buildable Land (sq m)	Buildable Land (%)
1	1	AA	10212394	0.405128	405128	4.0%	9.807266	9807266	96.0%
2	2	EA	960426	0.026373	26373	2.7%	0.934053	934053	97.3%
3	2	EA	2045652	0.052666	52666	2.6%	1.992986	1992986	97.4%
4	3	AA-EA	10197949	0.62349	623490	6.1%	9.574459	9574459	93.9%
5	3	AA-EA	643590126	503.65759	503657590	78.3%	139.932536	139932536	21.7%
6	4	AA-EA	180715120	77.715979	77715979	43.0%	102.999141	102999141	57.0%
7	5	AA	156068112	17.102966	17102966	11.0%	138.965146	138965146	89.0%
8	4	AA-EA	348172539	44.193203	44193203	12.7%	303.979336	303979336	87.3%
9	6	AA-EA	258183129	5.140726	5140726	2.0%	253.042403	253042403	98.0%
10	6	AA-EA	281083525	1.707858	1707858	0.6%	279.375667	279375667	99.4%
11	7	AA-EA	288715848	5.892038	5892038	2.0%	282.82381	282823810	98.0%
12	7	AA-EA	288830912	4.271061	4271061	1.5%	284.559851	284559851	98.5%
1559	6	AA-EA	131440258	3.325119	3325119	2.5%	128.115139	128115139	97.5%

**B39: Buildable and Unbuildable land in each GMD in 1930.**

GMD	Wetlands 1830 (sq m)	Marine Deepwater 1830 (sq m)	Marine Wetland 1830 (sq m)	Emergent Wetland 1830 (sq m)	Freshwater Wetland 1830 (sq m)	Freshwater Pond 1830 (sq m)	Lake 1830 (sq m)	Riverine 1830 (sq m)
1	405128	326046	0	6579	0	72503	0	0
2	26373	26373	0	0	0	0	0	0
3	52666	52666	0	0	0	0	0	0
4	623490	586960	0	24600	0	10831	0	1099
5	503657590	170976705	326748329	4150360	0	1537345	211271	33580
6	77715979	15349973	57033830	4206621	0	657556	362874	105125
7	17102966	938207	8320518	2877561	0	2322786	1673958	969936
8	44193203	4881772	2786247	24880692	0	3578728	976439	7089325
9	5140726	0	0	999102	0	1551037	0	2590587
10	1707858	0	0	599690	0	520190	0	587978
11	5892038	0	0	2629566	0	1404084	82248	1776140
12	4271061	0	0	2091112	0	465718	354781	1359450
1559	3325119	0	0	1564385	0	903524	365315	491895

**B40: Hydrographic features used to calculate unbuildable land in each GMD in 1930.**

GMD	Population Group	Ancestry Group	Area (sq km)	20th C Development (sq km)	20th C Development (sq m)	20th C Development (%)	Historic Environment (sq km)	Historic Environment (sq m)	Historic Environment (%)
1	1	AA	1	5.830412	5830412	59.4%	3.976854	3976854	40.6%
2	2	EA	2	0.221659	221659	23.7%	0.712394	712394	76.3%
3	2	EA	2	0.155319	155319	7.8%	1.837667	1837667	92.2%
4	3	AA-EA	3	3.226657	3226657	33.7%	6.347802	6347802	66.3%
5	3	AA-EA	3	50.645754	50645754	36.2%	89.286782	89286782	63.8%
6	4	AA-EA	4	17.875071	17875071	17.4%	85.12407	85124070	82.6%
7	5	AA	4	63.089359	63089359	45.4%	75.875787	75875787	54.6%
8	4	AA-EA	4	176.308123	176308123	58.0%	127.671213	127671213	42.0%
9	6	AA-EA	4	108.016584	108016584	42.7%	145.025819	145025819	57.3%
10	6	AA-EA	4	148.989258	148989258	53.3%	130.386409	130386409	46.7%
11	7	AA-EA	4	124.321554	124321554	44.0%	158.502256	158502256	56.0%
12	7	AA-EA	4	157.253515	157253515	55.3%	127.306336	127306336	44.7%
1559	6	AA-EA	4	39.588443	39588443	30.9%	88.526696	88526696	69.1%

**B41: 20th Century Development and Historic Environment area for each GMD in 1930.**

GMD	Silviculture 1830 (sq m)	Zoning 1830 (sq m)	Park 1830 (sq m)	Residential 1830 (sq m)	Residential MF 1830 (sq m)	PUD 1830 (sq m)	Business 1830 (sq m)	Industrial 1830 (sq m)
1	0	6521833	691421	0	1261574	302054	46734	4220050
2	0	244519	22860	0	85763	6620	31454	97822
3	0	350466	195147	0	145450	28	0	9841
4	0	3761590	534933	0	952973	497631	144	1775909
5	0	298817903	248172149	0	714966	34081883	331447	15517458
6	0	36127584	18252513	42082	4126253	12890175	310157	127684
7	0	77047605	13958246	1968178	1351062	30552495	508433	28709191
8	0	209563379	33255256	2356403	1031109	65895343	7981362	99043906
9	45670642	62345942	6382	9175736	116153	28509698	1863857	22680498
10	145086609	3902649	10978	58643	0	2493585	194983	1155438
11	121768614	2552940	15551	495404	387868	0	484345	1185323
12	157061961	191554	0	0	0	0	190626	928
1559	21266675	18321768	4804	292698	101738	1979988	3819403	12127941

**B42: Development types used to calculate 20th century development for each GMD in 1930.**



GMD	Population Group	Ancestry Group	Area (sq km)	Human Population Density (EA)/sq km	Human Population Density (AA)/sq km	Human Population Density (Total)/sq km	Building Population Density/sq km
1	1 AA	AA	1	519	2303	2824	80.2466
2	2 EA	EA	2	7115	1480	8602	36.4005
3	2 EA	EA	2	4999	525	5530	47.6672
4	3 AA-EA	AA-EA	3	2546	1450	3997	352.9181
5	3 AA-EA	AA-EA	3	30	16	46	6.7818
6	4 AA-EA	AA-EA	4	19	22	41	7.3690
7	5 AA	AA	4	5	16	21	1.0650
8	4 AA-EA	AA-EA	4	9	13	22	0.8652
9	6 AA-EA	AA-EA	4	4	2	6	0.1107
10	6 AA-EA	AA-EA	4	6	4	10	0.3293
11	7 AA-EA	AA-EA	4	6	4	10	0.2935
12	7 AA-EA	AA-EA	4	4	3	7	0.1335
1559	6 AA-EA	AA-EA	4	6	3	9	0.1873

**B43: Human Population and Building Population density for each GMD in 1930.**

## *Appendix C*

### *Mortar Sample Statistical Data*

Sample ID	Nat Pet ID	Resource Name	Date 1	C	Date 2	C	Era	GMD	Mortar Qty
000111-1	9	Biddenback House	1820	c			1830	9	1
005695-1	212	White-Pierpont house	1824	c			1830	5	1
006030A-1	26	Juliette Gordon Low Birthplace	1818		1821		1830	3	1
006067-1	28	City Hotel	1821				1830	3	2
006067-2	29	City Hotel	1821				1830	3	2
006235-1	214	Isaiah Davenport House	1815		1820		1830	4	2
006235-2	215	Isaiah Davenport House	1815		1820		1830	4	2
006248-1	35	542 E STATE ST	1818				1830	4	1
006261A-1	36	305 W YORK ST	1822	c			1830	2	1
006287-1	39	521 E YORK ST	1840				1830	4	1
006298-4	43	John Hunter House	1821		1822		1830	3	1
006588A-1	56	Steele and Ann White House, historic	1821		1824		1830	4	1
006613-1	57	Chart House Restaurant/Dockside Restaurant-present	1818				1830	2	1
006635-1	61	St. Vincent's Academy/Sisters of Mercy Convent (hist/curr)	1845				1830	4	1
006671A-1	63	Sorrel-Weed House	1841				1830	3	1
006881-2	224	Israel Dasher House	1844				1830	2	1
006895B-1	72	John Low Duplex	1844				1830	7	1
010662-1	139	Candler Hospital	1823				1830	3	1
022846A-1	237	Mansfield/Shafisbury Plantation	1815	c			1830	8	3
022846A-2	238	Mansfield/Shafisbury Plantation	1815	c			1830	8	3
022846A-3	239	Mansfield/Shafisbury Plantation	1815	c			1830	8	3
025147-1	157	Josia and Eliza Heidt House	1840	c	1849		1830	10	1
025253A-1	161	Goshen Plantation	1820	c	1824		1830	9	1
025307A-1	163	Foy Homestead	1820	c	1829		1830	12	2
025307A-2	164	Foy Homestead	1820	c	1829		1830	12	2
025322A-1	165	400 BIRD RD	1830	c	1839		1830	12	1
025479-1	173	EDWARDS LP	1840	c	1849		1830	12	1

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**C1: 1830 Numerical mortar data used for statistical analysis, including general information and mortar quantity.**

Sample ID	Nat Pet ID	Resource Name	Date 1	C	Date 2	C	Era	GMD	Mortar Qty
026954A-3	277	Ossabaw House Site	1845	c			1830	5	1
080292A-1	278	Wormsloe Plantation	1828				1830	5	1
080292B-1	279	Wormsloe Plantation	1739		1828		1830	5	1
081355-1	195	Savannah and Ogeechee Canal	1824		1830		1830	7	2
081355-2	196	Savannah and Ogeechee Canal	1824		1830		1830	7	2
081415-1	197	Scarbrough, William, House	1818	c	1835	c	1830	1	2
081415-2	198	Scarbrough, William, House	1818	c	1835	c	1830	1	2
081539-1	281	Owens-Thomas House	1816		1825		1830	4	4
081539-2	282	Owens-Thomas House	1816		1825		1830	4	4
081539-3	283	Owens-Thomas House	1816		1825		1830	4	4
081539-4	284	Owens-Thomas House	1816		1825		1830	4	4
081541-2	288	Telfair House	1818	c			1830	2	1
<b>Mean</b>			<b>1822.15</b>		<b>1829.20</b>		<b>1830.00</b>		<b>1.72</b>
<b>Median</b>			<b>1820</b>		<b>1826.5</b>		<b>1830</b>		<b>1</b>
<b>Mode</b>			<b>1818</b>		<b>1825</b>		<b>1830</b>		<b>1</b>
<b>St Deviation</b>			<b>16.69</b>		<b>8.26</b>		<b>0.00</b>		<b>0.99</b>

**C1 (Cont.): 1830 Numerical mortar data used for statistical analysis, including general information and mortar quantity.**

Sample ID	Nat Pet ID	Binder Qty	Comp Str Est	Bind	Agg	Void	Fuel	Total	Bind:Agg %	Grad Group	Value	Chroma
000111-1	9	1	0.31	42	53	5	0	100	0.7925	1	4	4
005695-1	212	1	0.41	57	39	4	0	100	1.4615	1	7	2
006030A-1	26	1	0.41	31	66	3	0	100	0.4697	1	8	2
006067-1	28	1	0.41	33	65	2	0	100	0.5077	1	7	3
006067-2	29	1	0.41	50	49	1	0	100	1.0204	1	7	3
006235-1	214	1	0.41	43	57	0	0	100	0.7544	1	8	2
006235-2	215	1	0.41	59	38	2	0	99	1.5526	1	6	4
006248-1	35	1	0.41	49	49	2	0	100	1.0000	1	7	2
006261A-1	36	1	0.41	51	46	3	0	100	1.1087	1	8	2
006287-1	39	1	0.41	40	58	2	0	100	0.6897	1	8	2
006298-4	43	1	0.41	50	48	2	0	100	1.0417	1	8	2
006588A-1	56	1	0.41	56	36	6	1	99	1.5833	1	8	2
006613-1	57	1	0.41	56	39	5	0	100	1.4359	1	8	2
006635-1	61	1	0.41	21	71	8	0	100	0.2958	1	8	3
006671A-1	63	1	0.41	44	55	1	0	100	0.8000	1	8	2
006881-2	224	1	0.41	38	59	2	1	100	0.6610	1	7	2
006895B-1	72	1	0.41	47	51	2	0	100	0.9216	1	8	2
010662-1	139	1	0.41	48	47	5	0	100	1.0213	1	8	2
022846A-1	237	1	0.41	46	50	4	0	100	0.9200	1	7	3
022846A-2	238	1	0.41	46	53	1	0	100	0.8679	3	8	3
022846A-3	239	1	0.41	48	49	3	0	100	0.9796	1	8	3
025147-1	157	1	0.41	30	66	2	2	100	0.4848	1	8	3
025253A-1	161	1	0.31	32	65	3	0	100	0.4923	1	7	3
025307A-1	163	1	0.41	42	56	1	1	100	0.7679	2	6	4
025307A-2	164	1	0.31	45	55	0	0	100	0.8182	2	6	4
025322A-1	165	1	0.41	58	40	1	1	100	1.4750	1	8	3
025479-1	173	1	0.41	33	64	3	0	100	0.5156	1	8	3

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**C2: 1830 Numerical mortar data used for statistical analysis, including binder quantity, mortar mix and colour.**

Sample ID	Nat Pet ID	Binder Qty	Comp Str Est	Bind	Agg	Void	Fuel	Total	Bind:Agg %	Grad Group	Value	Chroma
026954A-3	277	1	0.41	54	44	0	2	100	1.2727	1	8	2
080292A-1	278	1	0.41	56	43	1	0	100	1.3023	1	6	2
080292B-1	279	1	0.41	53	44	3	0	100	1.2045	1	7	3
081355-1	195	2	2.34	61	36	3	0	100	1.6944	2	7	3
081355-2	196	2	2.34	66	32	2	0	100	2.0625	1	8	2
081415-1	197	1	0.41	55	43	2	0	100	1.2791	1	8	3
081415-2	198	1	0.41	39	53	6	2	100	0.7736	1	8	2
081539-1	281	1	0.41	37	54	9	0	100	0.6852	1	8	3
081539-2	282	1	0.41	51	49	0	0	100	1.0408	1	8	2
081539-3	283	1	0.41	52	46	1	1	100	1.1522	1	8	2
081539-4	284	1	0.41	31	67	2	0	100	0.4627	1	7	4
081541-2	288	1	0.41	41	58	1	0	100	0.7069	1	8	2
<b>Mean</b>		<b>1.05</b>	<b>0.50</b>	<b>45.92</b>	<b>51.10</b>	<b>2.64</b>	<b>0.28</b>	<b>99.95</b>	<b>0.9079</b>	<b>1.13</b>	<b>7.44</b>	<b>2.62</b>
<b>Median</b>		<b>1</b>	<b>0.41</b>	<b>47</b>	<b>50</b>	<b>2</b>	<b>0</b>	<b>100</b>	<b>0.9216</b>	<b>1</b>	<b>8</b>	<b>2</b>
<b>Mode</b>		<b>1</b>	<b>0.41</b>	<b>56</b>	<b>49</b>	<b>2</b>	<b>0</b>	<b>100</b>	<b>#N/A</b>	<b>1</b>	<b>8</b>	<b>2</b>
<b>St Deviation</b>		<b>0.22</b>	<b>0.43</b>	<b>9.94</b>	<b>9.67</b>	<b>2.07</b>	<b>0.60</b>	<b>0.22</b>	<b>0.3910</b>	<b>0.40</b>	<b>0.87</b>	<b>0.70</b>

**C2 (Cont.): 1830 Numerical mortar data used for statistical analysis, including binder quantity, mortar mix and colour.**

Sample ID	Nat Pet ID	Resource Name	Date 1	C	Date 2	C	Era	GMD	Mortar Qty
000101-1	207	Spier House	1880	c			1880	10	2
000101-2	208	Spier House	1880	c			1880	10	2
000103-1	209	Foy Sawmill Duplex	1895	c			1880	12	1
000107-1	5	Shiloh School	1880	c			1880	10	1
000108-1	6	Strange House	1870	c			1880	10	1
000109-1	211	Foy Sawmill	1895	c			1880	12	1
000110-1	7	Haddonville Stage Depot	1880	c			1880	9	2
000110-2	8	Haddonville Stage Depot	1880	c			1880	9	2
000112-1	11	100 REEDSVILLE RD	1890	c			1880	11	2
000112-3	13	100 REEDSVILLE RD	1890	c			1880	11	2
005759-1	15	Carrie E. Gould House	1880	c			1880	7	1
005782A-1	213	Douglas DuBose house; DuBose-DesNoyers house	1885	c			1880	7	1
005855-2	19	Lindermann House	1890	c			1880	8	2
005855-3	20	Lindermann House	1890	c			1880	8	2
005879-1	22	Wendelken-Hester House	1870	c	1875	c	1880	8	2
005879-2	23	Wendelken-Hester House	1870	c	1875	c	1880	8	2
005979-1	24	The Book Lady	1890	c			1880	3	2
005979-2	25	The Book Lady	1890	c			1880	3	2
006131-1	30	Built for Augustus Walker	1870		1871		1880	1	1
006137-1	31	Bernsteins Kitchen Supplies, current	1875				1880	2	1
006303-1	44	Anna Buntz House	1883				1880	3	2
006303-2	45	Anna Buntz House	1883				1880	3	2
006311A-1	217	224 E OGLETHORPE AVE	1883				1880	4	2
006311A-2	49	224 E OGLETHORPE AVE	1883				1880	4	2
006340-2	51	Telfair Academy	1875		1886		1880	2	2
006340-3	52	Telfair Academy	1875		1886		1880	2	2
006409-1	55	Universal Trading Company	1891				1880	1	1

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**C3: 1880 Numerical mortar data used for statistical analysis, including general information and mortar quantity.**

Sample ID	Nat Pet ID	Resource Name	Date 1	Date 2	C	Era	GMD	Mortar Qty
006550-3	221	Chatham County Jail, historic; Habersham Hall, current	1887			1880	4	1
006634B-1	59	Jacob Quint Building (duplex)	1871 c			1880	3	1
006731-1	64	Pulaski Apartments	1889			1880	3	2
006731-2	65	Pulaski Apartments	1889			1880	3	2
006864-1	66	Sav'h Volunteer Guards Armory (hist)/Preston Hall (curr)	1892			1880	3	1
006871-1	68	W.B. Hodgson Hall	1875			1880	3	1
006892-1	69	William O. VanHorst House	1878			1880	2	2
006892-2	70	William O. VanHorst House	1878			1880	2	2
006900-1	73	John N. Muller House	1866			1880	2	2
006900-2	74	John N. Muller House	1866			1880	2	2
006922-1	225	417 E TAYLOR ST	1888			1880	4	1
006942-1	75	Beth Eden Baptist Church	1894			1880	4	3
006942-2	76	Beth Eden Baptist Church	1894			1880	4	3
006942-3	77	Beth Eden Baptist Church	1894			1880	4	3
007011-1	79	Frederick Wessels Building	1892			1880	4	1
007014A-1	80	Augusta Wayne House	1871			1880	4	2
007014A-2	81	Augusta Wayne House	1871			1880	4	2
007196-1	227	N. B. Tilton House	1886 c			1880	5	2
007196-2	228	N. B. Tilton House	1886 c			1880	5	2
007202A-1	82	11-15 East 32nd Street	1893 c			1880	5	2
007202A-2	83	11-15 East 32nd Street	1893 c			1880	5	2
007234-1	87	Winnifred O'Connor house	1893 c			1880	5	2
007234-2	88	Winnifred O'Connor house	1893 c			1880	5	2
007401-2	90	201 West 37th Street	1894			1880	6	1
007840-1	109	Office for Keisling Teynac Garden	1884 c	1888		1880	5	1
008029-1	112	115 West 42nd Street	1890 c			1880	6	1
008056C-1	116	1610-1612-1614 Ogeechee Road	1887 c			1880	6	1

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**C3 (Cont.): 1880 Numerical mortar data used for statistical analysis, including general information and mortar quantity.**



Sample ID	Nat Pet ID	Resource Name	Date 1	C	Date 2	C	Era	GMD	Mortar Qty
008084-1	117	630 Kline Street	1888	c	1897		1880	6	1
010417-1	232	Pittsburg Plate Glass Co. Warehouse	1885	c	1890		1880	4	1
010515A-1	130	609 TATTNALL ST	1893				1880	2	3
010515A-2	131	609 TATTNALL ST	1893				1880	2	3
010515A-3	132	609 TATTNALL ST	1893				1880	2	3
010517-1	133	607 TATTNALL ST	1871				1880	2	2
010517-2	134	607 TATTNALL ST	1871				1880	2	2
010596A-1	135	23 W GORDON ST	1870				1880	3	2
010596A-2	136	23 W GORDON ST	1870				1880	3	2
010661-1	137	Kayton-Granger-Huger House	1880				1880	3	2
010661-2	138	Kayton-Granger-Huger House	1880				1880	3	2
010785F-1	143	537 E GORDON ST	1890				1880	4	1
010959A-1	146	Chatham Artillery Club; Buckley-Lippitt Cottage	1890	c			1880	5	2
010959A-2	147	Chatham Artillery Club; Buckley-Lippitt Cottage	1890	c			1880	5	2
011353B-1	236	834 Dancy Avenue	1880	c			1880	5	1
025166C-1	244	Tenant or workers house	1890	c			1880	10	2
025166C-3	246	Tenant or workers house	1890	c			1880	10	2
025253B-1	162	Goshen Plantation	1880				1880	9	1
025344A-1	167	Martin Gnann house; Gnann-Anesdorff house	1876				1880	11	1
025344B-1	168	Martin Gnann house; Gnann-Anesdorff house	1876				1880	11	2
025344B-2	169	Martin Gnann house; Gnann-Anesdorff house	1876				1880	11	2
025481-1	174	INGRAM RD	1885	c	1894		1880	12	1
025525-1	263	Foy Tenant House (102)	1890	c	1904		1880	12	2
025525-2	264	Foy Tenant House (102)	1890	c	1904		1880	12	2
025536A-1	178	114 S 5TH ST	1885	c	1894		1880	12	1
025554-1	265	Archer-Belogorska House	1880	c	1889		1880	10	2
025554-2	266	Archer-Belogorska House	1880	c	1889		1880	10	2

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**C3 (Cont.): 1880 Numerical mortar data used for statistical analysis, including general information and mortar quantity.**

Sample ID	Nat Pet ID	Resource Name	Date 1	C	Date 2	C	Era	GMD	Mortar Qty
025619-1	179	George Baynard house; Baynard Hotel-Yarborough House	1876	c			1880	10	2
025619-2	180	George Baynard house; Baynard Hotel-Yarborough House	1876	c			1880	10	2
025766A-1	183	101 SAVANNAH AVE	1894				1880	9	2
025766A-2	184	101 SAVANNAH AVE	1894				1880	9	2
025769A-1	185	Johnson House? Thomas Hinely House (?)	1887	c			1880	9	1
080284-1	191	First Bryan Baptist Church	1873	c			1880	1	1
<b>Mean</b>			<b>1883.44</b>		<b>1888.71</b>		<b>1880.00</b>		<b>1.74</b>
<b>Median</b>			<b>1885</b>		<b>1889</b>		<b>1880</b>		<b>2</b>
<b>Mode</b>			<b>1890</b>		<b>1875</b>		<b>1880</b>		<b>2</b>
<b>St Deviation</b>			<b>8.22</b>		<b>9.63</b>		<b>0.00</b>		<b>0.58</b>

**C3 (Cont.): 1880 Numerical mortar data used for statistical analysis, including general information and mortar quantity.**

Sample ID	Nat Pet ID	Binder Qty	Comp Str Est	Bind	Agg	Void	Fuel	Total	Bind:Agg %	Grad Group	Value	Chroma
000101-1	207	1	0.41	50	49	1	0	100	1.0204	1	8	3
000101-2	208	1	0.41	36	62	2	0	100	0.5806	1	8	3
000103-1	209	1	0.41	48	51	0	1	100	0.9608	1	8	2
000107-1	5	1	0.41	39	60	1	0	100	0.6500	1	7	2
000108-1	6	1	0.41	43	53	4	0	100	0.8113	2	7	2
000109-1	211	1	15.69	37	61	1	1	100	0.6230	2	5	3
000110-1	7	2	0.33	41	46	11	2	100	0.9348	1	7	2
000110-2	8	1	0.41	51	47	2	0	100	1.0851	1	7	2
000112-1	11	1	0.41	45	53	2	0	100	0.8491	1	8	3
000112-3	13	1	0.41	50	44	6	0	100	1.1364	1	6	8
005759-1	15	2	8.71	70	29	1	0	100	2.4138	1	7	3
005782A-1	213	1	0.41	59	39	1	1	100	1.5385	3	6	1
005855-2	19	1	0.41	29	67	4	0	100	0.4328	2	7	3
005855-3	20	1	0.41	41	59	0	0	100	0.6949	2	8	2
005879-1	22	2	0.33	45	55	0	0	100	0.8182	2	8	2
005879-2	23	2	0.33	34	65	1	0	100	0.5231	1	8	2
005979-1	24	1	2.9	65	31	4	0	100	2.0968	2	8	2
005979-2	25	1	0.41	39	58	3	0	100	0.6724	1	8	1
006131-1	30	1	0.41	43	55	2	0	100	0.7818	2	8	2
006137-1	31	1	0.41	31	67	2	0	100	0.4627	1	8	2
006303-1	44	1	0.41	40	57	3	0	100	0.7018	1	7	3
006303-2	45	1	0.41	54	40	6	0	100	1.3500	1	8	2
006311A-1	217	1	0.92	69	15	1	15	100	5.6000	1	2.5	N
006311A-2	49	1	0.41	32	64	4	0	100	0.5000	1	7	2
006340-2	51	2	2.34	50	49	1	0	100	1.0204	2	6	2
006340-3	52	2	2.34	39	58	2	1	100	0.6897	2	8	2
006409-1	55	1	0.41	39	58	2	1	100	0.6897	1	8	3

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**C4: 1880 Numerical mortar data used for statistical analysis, including binder quantity, mortar mix and colour.**

Sample ID	Nat Pet ID	Binder Qty	Comp Str Est	Bind	Agg	Void	Fuel	Total	Bind:Agg %	Grad Group	Value	Chroma
006550-3	221	2	2.34	51	49	0	0	100	1.0408	1	7	2
006634B-1	59	1	0.41	42	52	4	0	98	0.8077	1	8	1
006731-1	64	2	2.34	44	52	4	0	100	0.8462	2	6	6
006731-2	65	2	2.34	37	62	1	0	100	0.5968	1	8	3
006864-1	66	1	0.41	40	55	5	0	100	0.7273	1	5	6
006871-1	68	1	0.41	26	54	18	2	100	0.5185	1	7	2
006892-1	69	1	0.41	39	57	2	2	100	0.7193	1	8	1
006892-2	70	1	0.41	39	52	8	1	100	0.7692	1	8	1
006900-1	73	1	0.41	36	55	7	2	100	0.6909	1	8	2
006900-2	74	1	0.41	44	48	8	0	100	0.9167	1	8	2
006922-1	225	1	0.41	40	56	1	3	100	0.7679	1	7	3
006942-1	75	2	2.34	42	56	2	0	100	0.7500	2	5	6
006942-2	76	2	2.34	43	57	0	0	100	0.7544	1	7	3
006942-3	77	2	2.34	39	59	1	1	100	0.6780	1	7	3
007011-1	79	1	0.41	44	51	5	0	100	0.8627	1	7	3
007014A-1	80	1	2.9	35	63	2	0	100	0.5556	1	7	2
007014A-2	81	1	2.9	32	55	13	0	100	0.5818	1	8	2
007196-1	227	1	0.41	51	49	0	0	100	1.0408	1	7	3
007196-2	228	1	0.41	46	49	5	0	100	0.9388	1	8	3
007202A-1	82	2	8.71	42	57	1	0	100	0.7368	3	6	6
007202A-2	83	2	8.71	47	52	0	1	100	0.9231	3	8	2
007234-1	87	1	2.9	40	55	4	1	100	0.7455	1	7	3
007234-2	88	1	0.41	37	56	7	0	100	0.6607	1	7	3
007401-2	90	1	0.41	35	58	6	1	100	0.6207	1	7	2
007840-1	109	1	0.41	51	43	6	0	100	1.1860	1	7	2
008029-1	112	1	0.41	52	46	1	1	100	1.1522	1	8	2
008056C-1	116	1	0.41	41	55	4	0	100	0.7455	3	7	3

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**C4 (Cont.): 1880 Numerical mortar data used for statistical analysis, including binder quantity, mortar mix and colour.**

Sample ID	Nat Pet ID	Binder Qty	Comp Str Est	Bind	Agg	Void	Fuel	Total	Bind:Agg %	Grad Group	Value	Chroma
008084-1	117	1	0.41	47	49	1	3	100	1.0204	1	8	2
010417-1	232	2	8.71	42	57	0	1	100	0.7544	1	8	2
010515A-1	130	1	0.41	53	45	1	1	100	1.2000	1	6	6
010515A-2	131	2	2.34	45	55	0	0	100	0.8182	1	6	2
010515A-3	132	2	2.34	57	42	1	0	100	1.3571	1	6	3
010517-1	133	2	8.71	39	57	4	0	100	0.6842	3	8	2
010517-2	134	2	9.85	42	53	4	1	100	0.8113	3	8	4
010596A-1	135	1	0.41	44	51	4	1	100	0.8824	1	7	3
010596A-2	136	1	0.41	49	50	1	0	100	0.9800	1	8	2
010661-1	137	1	0.41	60	35	5	0	100	1.7143	1	5	6
010661-2	138	1	0.41	50	47	3	0	100	1.0638	1	8	1
010785F-1	143	1	0.41	46	53	1	0	100	0.8679	1	7	2
010959A-1	146	2	8.71	29	67	4	0	100	0.4328	1	8	2
010959A-2	147	2	8.71	40	57	3	0	100	0.7018	1	8	2
011353B-1	236	1	0.41	61	32	7	0	100	1.9063	1	8	3
025166C-1	244	1	0.41	49	49	2	0	100	1.0000	1	8	3
025166C-3	246	1	0.41	34	65	1	0	100	0.5231	1	7	4
025253B-1	162	1	0.31	31	68	1	0	100	0.4559	1	5	6
025344A-1	167	1	0.41	36	61	2	1	100	0.6066	1	7	3
025344B-1	168	2	0.33	43	55	2	0	100	0.7818	1	6	4
025344B-2	169	1	0.41	31	64	5	0	100	0.4844	2	7	3
025481-1	174	1	0.41	33	59	8	0	100	0.5593	1	7	2
025525-1	263	1	0.41	35	63	2	0	100	0.5556	2	7	2
025525-2	264	1	0.41	35	58	7	0	100	0.6034	3	8	2
025536A-1	178	2	0.33	40	58	2	0	100	0.6897	1	7	3
025554-1	265	1	0.41	43	53	3	1	100	0.8302	1	7	3
025554-2	266	1	0.41	43	53	3	1	100	0.8302	3	6	1

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**C4 (Cont.): 1880 Numerical mortar data used for statistical analysis, including binder quantity, mortar mix and colour.**

Sample ID	Nat Pet ID	Binder Qty	Comp Str Est	Bind	Agg	Void	Fuel	Total	Bind:Agg %	Grad Group	Value	Chroma
025619-1	179	1	0.41	34	64	1	1	100	0.5469	2	6	2
025619-2	180	1	0.41	39	61	0	0	100	0.6393	1	7	1
025766A-1	183	1	0.41	32	65	3	0	100	0.4923	1	7	2
025766A-2	184	1	0.41	43	48	8	1	100	0.9167	1	7	2
025769A-1	185	1	0.41	44	54	2	0	100	0.8148	1	8	2
080284-1	191	1	0.41	49	47	2	2	100	1.0851	1	7	2
<b>Mean</b>		<b>1.26</b>	<b>1.70</b>	<b>42.90</b>	<b>53.33</b>	<b>3.16</b>	<b>0.59</b>	<b>99.98</b>	<b>0.9032</b>	<b>1.34</b>	<b>7.12</b>	<b>2.67</b>
<b>Median</b>		<b>1</b>	<b>0.41</b>	<b>42</b>	<b>55</b>	<b>2</b>	<b>0</b>	<b>100</b>	<b>0.7692</b>	<b>1</b>	<b>7</b>	<b>2</b>
<b>Mode</b>		<b>1</b>	<b>0.41</b>	<b>39</b>	<b>55</b>	<b>1</b>	<b>0</b>	<b>100</b>	<b>1.0204</b>	<b>1</b>	<b>8</b>	<b>2</b>
<b>St Deviation</b>		<b>0.44</b>	<b>2.88</b>	<b>8.61</b>	<b>8.99</b>	<b>3.05</b>	<b>1.71</b>	<b>0.21</b>	<b>0.6123</b>	<b>0.64</b>	<b>0.99</b>	<b>1.34</b>

**C4 (Cont.): 1880 Numerical mortar data used for statistical analysis, including binder quantity, mortar mix and colour.**

Sample ID	Nat Pet ID	Resource Name	Date 1	Date 2	Era	GMD	Mortar Qty
000006-1	1	Ellis Elementary School	1928		1930	4	2
000006-2	2	Ellis Elementary School	1928		1930	4	2
000019B-1	3	718 W 39TH ST	1920		1930	1	1
000104-1	4	Uncle CalO's House	1920	c	1930	10	1
005812-1	16	Good Shepherd Lutheran Church	1937		1930	8	2
005812-2	17	Good Shepherd Lutheran Church	1937		1930	8	2
005872-1	21	Pony truss bridge on Old GA 21	1920	s	1930	8	1
006173-1	32	240 W BROUGHTON ST	1924		1930	2	2
006173-2	33	240 W BROUGHTON ST	1924		1930	2	2
006195-1	34	Globe Shoe Company, present	1920		1930	3	1
006277-1	38	409 E YORK ST	1920	c	1930	4	1
006305-1	46	Fire Station, Fire Headquarters, Central Firestation	1937		1930	3	2
006305-2	47	Fire Station, Fire Headquarters, Central Firestation	1937		1930	3	2
006385-1	54	Kate Baldwin Free School	1925		1930	4	2
006385-2	218	Kate Baldwin Free School	1925		1930	4	2
007203A-1	84	Christain and Missionary Alliance Church	1932	c	1930	3	1
007212A-1	85	25-27 East 33rd Street	1922	c	1930	3	2
007212A-2	86	25-27 East 33rd Street	1922	c	1930	3	2
007407D-1	91	two duplexes; 230-232 and 226-228 West 38th Street	1921		1930	2	2
007407D-2	92	two duplexes; 230-232 and 226-228 West 38th Street	1921		1930	2	2
007415-1	93	2109 Barnard Street	1921		1930	2	2
007415-2	94	2109 Barnard Street	1921		1930	2	2
007416-1	95	Savannah Deliverance Temple	1924	c	1930	2	1
007508A-1	98	104 East 36th Street	1920	c	1930	3	2
007508A-2	99	104 East 36th Street	1920	c	1930	3	2
007522-1	100	Jessica Apartments	1922	c	1930	3	3
007522-2	101	Jessica Apartments	1922	c	1930	3	3

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**C5: 1930 Numerical mortar data used for statistical analysis, including general information and mortar quantity.**

Sample ID	Nat Pet ID	Resource Name	Date 1 C	Date 2 C	Era	GMD	Mortar Qty
007522-3	102	Jessica Apartments	1922 c		1930	3	3
007667-1	103	303 West 40th Street	1920 c		1930	2	3
007667-2	104	303 West 40th Street	1920 c		1930	2	3
007667-3	105	303 West 40th Street	1920 c		1930	2	3
007727-1	107	104 West 41st Street	1921 c		1930	3	2
007727-2	108	104 West 41st Street	1921 c		1930	3	2
008027-1	110	2601 Jefferson Street	1920 c		1930	2	2
008027-2	111	2601 Jefferson Street	1920 c		1930	2	2
008038-1	114	118 West Victory Drive	1920 c		1930	3	2
008038-2	115	118 West Victory Drive	1920 c		1930	3	2
008041-1	229	313 West 42nd Street	1920 c		1930	2	1
008143-1	118	Florence Street School	1929	1930	1930	1	2
008143-2	119	Florence Street School	1929	1930	1930	1	2
008218-1	230	913 West 37th Street	1925 c		1930	1	1
008258-1	120	832 West 39th Street	1925 c		1930	1	2
008258-2	121	832 West 39th Street	1925 c		1930	1	2
008324-1	231	1019 West 41st Street	1930 c		1930	1	1
008638-1	122	2120 Burroughs Street	1920 c		1930	1	2
008638-2	123	2120 Burroughs Street	1920 c		1930	1	2
008849A-1	124	Gould Cottage for Children	1932 c	1933	1930	6	2
008849A-2	125	Gould Cottage for Children	1932 c	1933	1930	6	2
010116A-1	126	1008 E ANDERSON ST	1930 c	1939	1930	4	2
010116A-2	127	1008 E ANDERSON ST	1930 c	1939	1930	4	2
010165A-1	128	740 E HENRY ST	1920 c	1929	1930	4	2
010165A-2	129	740 E HENRY ST	1920 c	1929	1930	4	2
010714-1	140	420 W WAYNE ST	1920		1930	1	2
010714-2	141	420 W WAYNE ST	1920		1930	1	2

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**C5 (Cont.): 1930 Numerical mortar data used for statistical analysis, including general information and mortar quantity.**



Sample ID	Nat Pet ID	Resource Name	Date 1	C	Date 2	C	Era	GMD	Mortar Qty
010995-1	148	Fort Screven Post Movie Theatre	1925	c	1934		1930	5	2
010995-2	234	Fort Screven Post Movie Theatre	1925	c	1934		1930	5	2
011097-1	235	802 14TH ST	1925	c	1934		1930	5	1
011210-2	150	Izlar Bath House	1920	c	1929		1930	5	1
011217-1	151	boarding house	1925	c	1934		1930	5	2
011217-2	152	boarding house	1925	c	1934		1930	5	2
025107A-1	240	3036 U S HIGHWAY 80	1930	s			1930	1559	1
025123-1	241	4710 GA HIGHWAY 17	1930	c	1939		1930	1559	1
025133-1	242	GA HIGHWAY 30	1920	c	1929		1930	1559	2
025133-2	243	GA HIGHWAY 30	1920	c	1929		1930	1559	2
025167A-1	247	tenant house	1930	c	1939		1930	10	1
025205A-1	158	1886 BLUE JAY RD	1920	c	1929		1930	9	2
025205A-2	159	1886 BLUE JAY RD	1920	c	1929		1930	9	2
025236B-1	160	Ziegler House	1920	c			1930	9	1
025256-1	248	Marlow Consolidated High School	1934	c			1930	1559	2
025256-2	249	Marlow Consolidated High School	1934	c			1930	1559	2
025310A-1	254	484 SHERWOOD RD	1920	c	1929		1930	12	1
025339A-1	255	2791 GA HIGHWAY 21	1930	c	1934		1930	11	1
025396-1	256	648 BERRYVILLE RD	1935	c	1944		1930	11	1
025416A-1	257	964 SPRINGFIELD EGYPT RD	1925	c	1934		1930	11	2
025416A-2	258	964 SPRINGFIELD EGYPT RD	1925	c	1934		1930	11	2
025429A-1	259	1130 OLD TUSCULUM RD	1915	c	1924		1930	10	2
025429A-2	260	1130 OLD TUSCULUM RD	1915	c	1924		1930	10	2
025470-2	172	W.H. White General Store	1920	c	1929		1930	12	1
025476-1	261	TROWELL RD	1930	c	1939		1930	12	2
025476-2	262	TROWELL RD	1930	c	1939		1930	12	2
025529-1	175	Egypt School (Pyramid School)	1920	c	1929		1930	12	1

(Continued on next page)

**C5 (Cont.): 1930 Numerical mortar data used for statistical analysis, including general information and mortar quantity.**

Sample ID	Nat Pet ID	Resource Name	Date 1 C	Date 2 C	Era	GMD	Mortar Qty
025534A-1	176	166 S 5TH ST	1920 c	1929	1930	12	2
025534A-2	177	166 S 5TH ST	1920 c	1929	1930	12	2
025596-2	268	824 MAGNOLIA ST	1930 c	1939	1930	10	1
025681-1	182	Marlow Colored School	1930 c	1934	1930	10	1
025705B-2	270	181 8TH ST	1920 c	1929	1930	1559	1
025761-1	271	203 GEORGIA AVE	1938 c	1939	1930	9	1
025778A-1	272	309 E 5TH ST	1930 c	1939	1930	9	1
025871-1	186	402 N LAUREL ST	1930 c	1939	1930	11	2
025871-2	187	402 N LAUREL ST	1930 c	1939	1930	11	2
025873A-1	273	301 N LAUREL ST	1920 c	1929	1930	11	2
025873A-2	274	301 N LAUREL ST	1920 c	1929	1930	11	2
080164-1	189	Charity Hospital	1896	1931	1930	1	2
080164-2	190	Charity Hospital	1896	1931	1930	1	2
080318-1	192	Bethesda Home for Boys Chapel	1925		1930	5	2
080318-2	193	Bethesda Home for Boys Chapel	1925		1930	5	2
100382-1	290	5131 OGEECHEE RD	1929		1930	7	1
101034-1	291	1106 STILES AVE	1928		1930	7	2
101034-2	292	1106 STILES AVE	1928		1930	7	2
101254-1	199	663 E 32ND ST	1939		1930	4	2
101254-2	200	663 E 32ND ST	1939		1930	4	2
101708A-1	201	2221 ALASKA ST	1939		1930	5	2
101708A-2	202	2221 ALASKA ST	1939		1930	5	2
101815B-1	293	2136 TENNESSEE AVE	1930		1930	6	1
103492A-1	203	Apartments	1939		1930	4	1
103633-1	204	1201 E 41ST ST	1939		1930	4	1
103740A-1	294	2237 E 38TH ST	1938		1930	6	1
103793A-1	295	2180 E VICTORY DR	1938		1930	6	1

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**C5 (Cont.): 1930 Numerical mortar data used for statistical analysis, including general information and mortar quantity.**

Sample ID	Nat Pet ID	Resource Name	Date 1	C	Date 2	C	Era	GMD	Mortar Qty
104284A-1	205	Apartments	1939				1930	6	1
104903-1	296	227 E 56TH ST	1937				1930	6	1
105396-1	297	1016 W 53RD ST	1923				1930	7	2
105396-2	298	1016 W 53RD ST	1923				1930	7	2
105537-1	299	137 DARLING ST	1930				1930	8	2
105537-2	300	137 DARLING ST	1930				1930	8	2
105974A-1	301	1312 JONES AVE	1939				1930	5	1
106019-1	206	1513 JONES AVE	1929				1930	5	1
106246A-1	302	101 VARNEDO AVE	1930				1930	8	1
106560-1	303	54 ROMMEL ST	1930	c			1930	8	1
<b>Mean</b>			<b>1925.71</b>		<b>1932.95</b>		<b>1930.00</b>		<b>1.73</b>
<b>Median</b>			<b>1925</b>		<b>1933</b>		<b>1930</b>		<b>2</b>
<b>Mode</b>			<b>1920</b>		<b>1929</b>		<b>1930</b>		<b>2</b>
<b>St Deviation</b>			<b>7.49</b>		<b>4.66</b>		<b>0.00</b>		<b>0.55</b>

**C5 (Cont.): 1930 Numerical mortar data used for statistical analysis, including general information and mortar quantity.**

Sample ID	Nat Pet ID	Binder Qty	Comp Str Est	Bind	Agg	Void	Fuel	Total	Bind:Agg %	Grad Group	Value	Chroma
000006-1	1	2	10.31	27	65	8	0	100	0.4154	3	8	3
000006-2	2	2	10.31	49	50	1	0	100	0.9800	3	8	2
000019B-1	3	1	0.41	47	52	1	0	100	0.9038	1	8	1
000104-1	4	1	0.41	27	66	6	1	100	0.4242	1	7	2
005812-1	16	2	4.14	46	38	16	0	100	1.2105	3	6	1
005812-2	17	2	4.14	43	52	5	0	100	0.8269	3	7	2
005872-1	21	2	10.34	44	50	6	0	100	0.8800	2	5	1
006173-1	32	1	10.54	39	58	3	0	100	0.6724	1	5	6
006173-2	33	2	10.31	43	54	3	0	100	0.7963	3	8	2
006195-1	34	2	10.31	51	48	1	0	100	1.0625	3	8	2
006277-1	38	1	0.41	45	50	5	0	100	0.9000	1	8	2
006305-1	46	2	14.93	47	48	5	0	100	0.9792	3	8	3
006305-2	47	2	10.31	50	48	2	0	100	1.0417	3	6	3
006385-1	54	2	10.31	42	52	6	0	100	0.8077	3	6	N
006385-2	218	2	10.31	59	41	0	0	100	1.4390	3	8	3
007203A-1	84	2	10.31	38	61	1	0	100	0.6230	3	8	2
007212A-1	85	2	10.31	45	51	3	1	100	0.9020	3	6	N
007212A-2	86	2	10.31	44	53	2	1	100	0.8491	2	8	2
007407D-1	91	2	10.31	56	40	2	2	100	1.4500	3	5	N
007407D-2	92	2	10.31	51	47	2	0	100	1.0851	3	8	2
007415-1	93	2	10.31	55	42	3	0	100	1.3095	3	3	N
007415-2	94	2	10.31	35	60	5	0	100	0.5833	1	8	2
007416-1	95	2	10.31	37	60	3	0	100	0.6167	3	6	4
007508A-1	98	2	10.31	63	32	5	0	100	1.9688	1	5	6
007508A-2	99	2	10.31	41	55	4	0	100	0.7455	3	8	3
007522-1	100	2	10.31	35	55	10	0	100	0.6364	2	5	4
007522-2	101	2	10.31	42	55	3	0	100	0.7636	3	6	3

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**C6: 1930 Numerical mortar data used for statistical analysis, including binder quantity, mortar mix and colour.**

Sample ID	Nat Pet ID	Binder Qty	Comp Str Est	Bind	Agg	Void	Fuel	Total	Bind:Agg %	Grad Group	Value	Chroma
007522-3	102	2	10.31	45	54	1	0	100	0.8333	2	8	2
007667-1	103	1	0.41	27	54	19	0	100	0.5000	3	5	4
007667-2	104	2	10.31	49	45	6	0	100	1.0889	3	8	2
007667-3	105	1	0.41	34	53	13	0	100	0.6415	1	8	3
007727-1	107	1	0.41	47	47	5	1	100	1.0213	3	8	3
007727-2	108	1	0.41	52	45	2	1	100	1.1778	1	8	2
008027-1	110	1	0.41	44	50	6	0	100	0.8800	3	5	6
008027-2	111	1	0.41	44	46	10	0	100	0.9565	3	8	3
008038-1	114	1	0.41	45	47	8	0	100	0.9574	1	7	3
008038-2	115	1	0.41	45	46	9	0	100	0.9783	1	8	2
008041-1	229	2	4.14	39	58	2	0	99	0.6724	3	7	2
008143-1	118	2	10.31	52	46	2	0	100	1.1304	3	7	3
008143-2	119	2	10.31	44	50	6	0	100	0.8800	3	7	3
008218-1	230	3	6.67	53	47	0	0	100	1.1277	3	8	2
008258-1	120	2	10.31	47	51	1	1	100	0.9412	1	8	2
008258-2	121	2	10.31	46	48	5	1	100	0.9792	1	6	1
008324-1	231	2	10.31	37	60	3	0	100	0.6167	3	8	1
008638-1	122	1	0.41	36	62	2	0	100	0.5806	2	6	6
008638-2	123	1	0.41	47	49	4	0	100	0.9592	3	8	3
008849A-1	124	2	4.14	44	49	6	1	100	0.9184	3	6	4
008849A-2	125	2	4.14	37	57	6	0	100	0.6491	3	6	2
010116A-1	126	2	10.31	44	52	4	0	100	0.8462	1	6	4
010116A-2	127	2	10.31	53	45	2	0	100	1.1778	3	8	3
010165A-1	128	2	10.31	44	55	1	0	100	0.8000	1	6	3
010165A-2	129	2	4.14	39	60	1	0	100	0.6500	2	8	2
010714-1	140	2	10.31	38	55	7	0	100	0.6909	3	6	3
010714-2	141	2	10.31	46	50	4	0	100	0.9200	1	8	3

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**C6 (Cont.): 1930 Numerical mortar data used for statistical analysis, including binder quantity, mortar mix and colour.**

Sample ID	Nat Pet ID	Binder Qty	Comp Str Est	Bind	Agg	Void	Fuel	Total	Bind:Agg %	Grad Group	Value	Chroma
0110995-1	148	2	10.31	46	52	2	0	100	0.8846	2	8	3
0110995-2	234	2	4.14	49	50	1	0	100	0.9800	1	8	2
0111097-1	235	2	10.31	43	56	0	0	99	0.7679	3	8	2
011210-2	150	2	10.31	55	42	3	0	100	1.3095	3	8	1
011217-1	151	2	14.93	50	43	7	0	100	1.1628	3	6	2
011217-2	152	2	10.31	36	64	0	0	100	0.5625	3	6	1
025107A-1	240	2	10.31	47	53	0	0	100	0.8868	3	8	2
025123-1	241	2	4.14	46	54	0	0	100	0.8519	1	7	2
025133-1	242	2	10.31	42	54	0	4	100	0.8519	1	4	N
025133-2	243	2	10.31	55	45	0	0	100	1.2222	1	7	3
025167A-1	247	1	0.41	48	52	0	0	100	0.9231	1	7	1
025205A-1	158	2	10.31	47	49	3	1	100	0.9796	1	7	3
025205A-2	159	2	10.31	45	55	0	0	100	0.8182	1	7	1
025236B-1	160	1	0.41	59	40	0	1	100	1.5000	1	7	2
025256-1	248	2	4.14	47	53	0	0	100	0.8868	3	7	2
025256-2	249	2	4.14	28	70	2	0	100	0.4000	2	6	2
025310A-1	254	2	10.31	36	64	0	0	100	0.5625	1	8	3
025339A-1	255	2	10.31	42	56	0	0	98	0.7500	3	8	2
025396-1	256	2	10.31	43	55	2	0	100	0.7818	1	8	2
025416A-1	257	2	10.31	51	49	0	0	100	1.0408	1	7	2
025416A-2	258	2	4.14	47	50	1	2	100	0.9800	2	7	1
025429A-1	259	2	10.31	45	55	0	0	100	0.8182	1	7	2
025429A-2	260	2	10.31	34	64	2	0	100	0.5313	1	8	2
025470-2	172	1	0.41	40	56	4	0	100	0.7143	1	7	3
025476-1	261	1	10.54	46	54	0	0	100	0.8519	2	7	1
025476-2	262	2	4.14	37	63	0	0	100	0.5873	3	7	2
025529-1	175	2	10.31	50	50	0	0	100	1.0000	1	8	3

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**C6 (Cont.): 1930 Numerical mortar data used for statistical analysis, including binder quantity, mortar mix and colour.**

Sample ID	Nat Pet ID	Binder Qty	Comp Str Est	Bind	Agg	Void	Fuel	Total	Bind:Agg %	Grad Group	Value	Chroma
025534A-1	176	2	4.14	40	54	6	0	100	0.7407	2	6	8
025534A-2	177	1	0.41	54	43	0	3	100	1.3256	1	7	2
025596-2	268	2	10.31	45	54	1	0	100	0.8333	1	7	3
025681-1	182	1	0.41	48	44	7	1	100	1.1136	1	8	3
025705B-2	270	1	0.41	47	53	0	0	100	0.8868	1	7	1
025761-1	271	2	10.31	38	58	4	0	100	0.6552	2	8	2
025778A-1	272	2	10.31	51	49	0	0	100	1.0408	1	8	3
025871-1	186	2	4.14	51	49	0	0	100	1.0408	1	6	2
025871-2	187	2	10.31	30	62	8	0	100	0.4839	2	8	2
025873A-1	273	2	10.31	49	50	1	0	100	0.9800	1	7	4
025873A-2	274	1	0.41	47	53	0	0	100	0.8868	1	7	2
080164-1	189	1	10.54	42	57	1	0	100	0.7368	3	4	N
080164-2	190	1	10.54	46	51	3	0	100	0.9020	1	7	1
080318-1	192	2	10.31	51	44	4	1	100	1.1818	3	8	2
080318-2	193	2	10.31	42	58	0	0	100	0.7241	3	8	2
100382-1	290	2	10.31	62	38	0	0	100	1.6316	3	7	3
101034-1	291	2	10.31	42	52	6	0	100	0.8077	3	7	3
101034-2	292	1	0.41	54	44	2	0	100	1.2273	1	8	2
101254-1	199	2	10.31	52	48	0	0	100	1.0833	1	8	3
101254-2	200	1	0.41	48	50	2	0	100	0.9600	1	8	3
101708A-1	201	2	10.31	43	57	0	0	100	0.7544	3	5	6
101708A-2	202	2	10.31	46	46	7	1	100	1.0217	1	8	1
101815B-1	293	2	10.31	40	60	0	0	100	0.6667	1	7	2
103492A-1	203	2	4.14	42	56	2	0	100	0.7500	3	6	2
103633-1	204	2	10.31	50	47	3	0	100	1.0638	3	8	2
103740A-1	294	2	14.93	44	55	0	1	100	0.8182	3	7	3
103793A-1	295	2	14.93	41	54	4	1	100	0.7778	3	5	4

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**C6 (Cont.): 1930 Numerical mortar data used for statistical analysis, including binder quantity, mortar mix and colour.**

Sample ID	Nat Pet ID	Binder Qty	Comp Str Est	Bind	Agg	Void	Fuel	Total	Bind:Agg %	Grad Group	Value	Chroma
104284A-1	205	2	4.14	46	53	1	0	100	0.8679	3	6	4
104903-1	296	2	10.31	62	38	0	0	100	1.6316	1	6	3
105396-1	297	2	10.31	62	38	0	0	100	1.6316	3	7	2
105396-2	298	2	10.31	47	53	0	0	100	0.8868	3	8	3
105537-1	299	2	10.31	53	46	1	0	100	1.1522	1	8	3
105537-2	300	1	7.48	37	60	3	0	100	0.6167	1	5	3
105974A-1	301	2	10.31	54	45	1	0	100	1.2000	3	8	3
106019-1	206	2	14.93	51	47	2	0	100	1.0851	1	7	2
106246A-1	302	2	4.14	44	56	0	0	100	0.7857	3	6	2
106560-1	303	2	14.93	50	49	1	0	100	1.0204	3	8	1
<b>Mean</b>		<b>1.78</b>	<b>7.76</b>	<b>45.29</b>	<b>51.55</b>	<b>2.91</b>	<b>0.22</b>	<b>99.97</b>	<b>0.9155</b>	<b>2.08</b>	<b>7.00</b>	<b>2.56</b>
<b>Median</b>		<b>2</b>	<b>10.31</b>	<b>45.5</b>	<b>52</b>	<b>2</b>	<b>0</b>	<b>100</b>	<b>0.8868</b>	<b>2</b>	<b>7</b>	<b>2</b>
<b>Mode</b>		<b>2</b>	<b>10.31</b>	<b>47</b>	<b>50</b>	<b>0</b>	<b>0</b>	<b>100</b>	<b>0.8868</b>	<b>3</b>	<b>8</b>	<b>2</b>
<b>St Deviation</b>		<b>0.43</b>	<b>4.31</b>	<b>7.16</b>	<b>6.65</b>	<b>3.34</b>	<b>0.60</b>	<b>0.22</b>	<b>0.2671</b>	<b>0.94</b>	<b>1.12</b>	<b>1.21</b>

**C6 (Cont.): 1930 Numerical mortar data used for statistical analysis, including binder quantity, mortar mix and colour.**