



# Canadian Online Omni August 2 - August 8, 2011

## Ontario Quarries Study 1

### Table of Contents

<a href="#">1</a>	1. Sand, stone and gravel that are essential to build the infrastructure we need - like roads and public buildings are mined from quarries and referred to as 'aggregates'. Is there a quarry in your municipality or region where you live or have property like a cottage?
<a href="#">2</a>	2_1. [Are well managed by the companies that run them] Based on what you know, please indicate whether you very much agree, somewhat agree, somewhat disagree or very much disagree with the following statements about quarries in Ontario:
<a href="#">3</a>	2_2. [Are highly regulated and inspected regularly] Based on what you know, please indicate whether you very much agree, somewhat agree, somewhat disagree or very much disagree with the following statements about quarries in Ontario:
<a href="#">4</a>	2_3. [Are careful of their impact on the surrounding community where people live] Based on what you know, please indicate whether you very much agree, somewhat agree, somewhat disagree or very much disagree with the following statements about quarries in Ontario:
<a href="#">5</a>	2_4. [Make sure the impact on the landscape is environmentally safe and sound] Based on what you know, please indicate whether you very much agree, somewhat agree, somewhat disagree or very much disagree with the following statements about quarries in Ontario:
<a href="#">6</a>	2_5. [Create too much noise, truck traffic and damage to the community where they reside] Based on what you know, please indicate whether you very much agree, somewhat agree, somewhat disagree or very much disagree with the following statements about quarries in Ontario:
<a href="#">7</a>	2_6. [Are good job and revenue generators for the local communities that host them] Based on what you know, please indicate whether you very much agree, somewhat agree, somewhat disagree or very much disagree with the following statements about quarries in Ontario:
<a href="#">8</a>	2_7. [Is a business that I do not support because they are often reckless and irresponsible] Based on what you know, please indicate whether you very much agree, somewhat agree, somewhat disagree or very much disagree with the following statements about quarries in Ontario:
<a href="#">9</a>	2. [Top2Box (Agree) Summary] Based on what you know, please indicate whether you very much agree, somewhat agree, somewhat disagree or very much disagree with the following statements about quarries in Ontario:
<a href="#">10</a>	2. [Low2Box (Disagree) Summary] Based on what you know, please indicate whether you very much agree, somewhat agree, somewhat disagree or very much disagree with the following statements about quarries in Ontario:
<a href="#">11</a>	3. Do you think a certifying program like this is a very good, somewhat good, somewhat bad or very bad idea?
<a href="#">12</a>	4. If you knew a quarry/aggregate site was 'certified' would you be much more likely, somewhat more likely or have no impact on your position to support one in your municipality or region?
<a href="#">13</a>	5. Knowing this too, do you think a certificate program like this is a very good, somewhat good, somewhat bad or very bad idea?
<a href="#">14</a>	6. And, would you be very much more likely, somewhat more likely or have no impact on your position to support one in your municipality or region?

1. Sand, stone and gravel that are essential to build the infrastructure we need - like roads and public buildings are mined from quarries and referred to as 'aggregates'. Is there a quarry in your municipality or region where you live or have property like a cottage?

		GENDER		AGE			EDUCATION			
	Total	Male	Female	18-34	35-54	55+	<HS	HS	Post Sec	Univ Grad
		A	B	C	D	E	F	G	H	I
Base: All respondents	855	444	411	209	323	323	29	102	324	400
Weighted	855	411	444	241*	342	272	90**	332*	279	155
Yes	310	173	136	72	110	127	44	104	113	49
	36%	42%	31%	30%	32%	47%	49%	31%	41%	32%
No		B				CD			I	
	278	145	133	78	122	79	22	109	93	54
	33%	35%	30%	32%	36%	29%	24%	33%	33%	35%
Don't know										
	267	93	175	90	110	66	24	119	72	51
	31%	23%	39%	38%	32%	24%	27%	36%	26%	33%
		A		E						

Proportions/Mean: Columns Tested (5% risk level) - A/B - C/D/E - F/G/H/I Overlap formulae used. \* small base; \*\* very small base (under 30) ineligible for sig testing

2\_1. [Are well managed by the companies that run them] Based on what you know, please indicate whether you very much agree, somewhat agree, somewhat disagree or very much disagree with the following statements about quarries in Ontario:

		GENDER		AGE			EDUCATION			
	Total	Male	Female	18-34	35-54	55+	<HS	HS	Post Sec	Univ Grad
		A	B	C	D	E	F	G	H	I
Base: All respondents	855	444	411	209	323	323	29	102	324	400
Weighted	855	411	444	241*	342	272	90**	332*	279	155
Are well managed by the companies that run them										
Very much agree	95	46	49	18	43	34	15	28	39	13
	11%	11%	11%	8%	12%	13%	17%	9%	14%	8%
Somewhat agree	522	247	275	160	192	170	49	226	158	88
	61%	60%	62%	67%	56%	63%	55%	68%	57%	57%
Somewhat disagree	194	92	103	53	89	53	19	57	75	44
	23%	22%	23%	22%	26%	19%	22%	17%	27%	28%
Very much disagree	43	27	17	9	19	15	6	20	7	10
	5%	6%	4%	4%	5%	6%	7%	6%	3%	6%
Summary										
Top2Box (Agree)	617	293	325	178	235	204	64	255	197	101
	72%	71%	73%	74%	69%	75%	72%	77%	71%	65%
Low2Box (Disagree)	238	118	120	62	108	68	25	77	82	54
	28%	29%	27%	26%	31%	25%	28%	23%	29%	35%

Proportions/Mean: Columns Tested (5% risk level) - A/B - C/D/E - F/G/H/I Overlap formulae used. \* small base; \*\* very small base (under 30) ineligible for sig testing

2\_2. [Are highly regulated and inspected regularly] Based on what you know, please indicate whether you very much agree, somewhat agree, somewhat disagree or very much disagree with the following statements about quarries in Ontario:

		GENDER		AGE			EDUCATION			
	Total	Male	Female	18-34	35-54	55+	<HS	HS	Post Sec	Univ Grad
		A	B	C	D	E	F	G	H	I
Base: All respondents	855	444	411	209	323	323	29	102	324	400
Weighted	855	411	444	241*	342	272	90**	332*	279	155
<b>Are highly regulated and inspected regularly</b>										
Very much agree	106	45	61	19	48	40	13	40	40	14
	12%	11%	14%	8%	14%	15%	14%	12%	14%	9%
Somewhat agree	496	235	261	161	189	146	68	193	153	82
	58%	57%	59%	67%	55%	54%	76%	58%	55%	53%
Somewhat disagree	210	100	110	56	81	72	9	77	76	47
	25%	24%	25%	23%	24%	26%	10%	23%	27%	30%
Very much disagree	43	30	13	4	24	15	0	21	10	12
	5%	7%	3%	2%	7%	5%	-	6%	4%	8%
<b>Summary</b>		B								H
Top2Box (Agree)	602	280	322	180	237	185	80	233	192	96
	70%	68%	72%	75%	69%	68%	90%	70%	69%	62%
Low2Box (Disagree)	253	130	122	61	105	87	9	98	86	59
	30%	32%	28%	25%	31%	32%	10%	30%	31%	38%

Proportions/Mean: Columns Tested (5% risk level) - A/B - C/D/E - F/G/H/I Overlap formulae used. \* small base; \*\* very small base (under 30) ineligible for sig testing

2.3. [Are careful of their impact on the surrounding community where people live] Based on what you know, please indicate whether you very much agree, somewhat agree, somewhat disagree or very much disagree with the following statements about quarries in Ontario:

		GENDER		AGE			EDUCATION			
	Total	Male	Female	18-34	35-54	55+	<HS	HS	Post Sec	Univ Grad
		A	B	C	D	E	F	G	H	I
Base: All respondents	855	444	411	209	323	323	29	102	324	400
Weighted	855	411	444	241*	342	272	90**	332*	279	155
<b>Are careful of their impact on the surrounding community where people live</b>										
Very much agree	104	52	52	15	48	41	23	31	39	11
	12%	13%	12%	6%	14%	15%	26%	9%	14%	7%
						C			I	
Somewhat agree	457	209	248	153	168	136	48	188	146	74
	53%	51%	56%	63%	49%	50%	54%	57%	52%	48%
				D						
Somewhat disagree	236	108	128	68	93	75	14	90	80	51
	28%	26%	29%	28%	27%	27%	16%	27%	29%	33%
Very much disagree	58	42	16	4	33	20	4	22	14	18
	7%	10%	3%	2%	10%	8%	5%	7%	5%	12%
		B			C					H
<b>Summary</b>										
Top2Box (Agree)	561	261	301	168	216	177	72	219	185	86
	66%	63%	68%	70%	63%	65%	80%	66%	66%	55%
									I	
Low2Box (Disagree)	294	150	144	73	126	95	18	112	94	69
	34%	37%	32%	30%	37%	35%	20%	34%	34%	45%
										H

Proportions/Mean: Columns Tested (5% risk level) - A/B - C/D/E - F/G/H/I Overlap formulae used. \* small base; \*\* very small base (under 30) ineligible for sig testing

2\_4. [Make sure the impact on the landscape is environmentally safe and sound] Based on what you know, please indicate whether you very much agree, somewhat agree, somewhat disagree or very much disagree with the following statements about quarries in Ontario:

		GENDER		AGE			EDUCATION			
	Total	Male	Female	18-34	35-54	55+	<HS	HS	Post Sec	Univ Grad
		A	B	C	D	E	F	G	H	I
Base: All respondents	855	444	411	209	323	323	29	102	324	400
Weighted	855	411	444	241*	342	272	90**	332*	279	155
<b>Make sure the impact on the landscape is environmentally safe and sound</b>										
Very much agree	151	69	82	32	63	56	29	43	57	23
	18%	17%	18%	13%	18%	21%	33%	13%	20%	15%
Somewhat agree	439	214	225	133	176	129	50	185	135	69
	51%	52%	51%	55%	51%	48%	56%	56%	48%	44%
Somewhat disagree	214	88	125	65	79	69	10	81	75	48
	25%	22%	28%	27%	23%	25%	11%	25%	27%	31%
Very much disagree	51	39	12	10	24	18	0	23	13	16
	6%	10%	3%	4%	7%	6%	-	7%	5%	10%
		B								H
<b>Summary</b>										
Top2Box (Agree)	590	283	307	165	239	185	80	228	191	91
	69%	69%	69%	69%	70%	68%	89%	69%	69%	59%
									I	
Low2Box (Disagree)	265	128	137	75	103	87	10	104	87	63
	31%	31%	31%	31%	30%	32%	11%	31%	31%	41%
										H

Proportions/Mean: Columns Tested (5% risk level) - A/B - C/D/E - F/G/H/I Overlap formulae used. \* small base; \*\* very small base (under 30) ineligible for sig testing

2\_5. [Create too much noise, truck traffic and damage to the community where they reside] Based on what you know, please indicate whether you very much agree, somewhat agree, somewhat disagree or very much disagree with the following statements about quarries in Ontario:

		GENDER		AGE			EDUCATION			
	Total	Male	Female	18-34	35-54	55+	<HS	HS	Post Sec	Univ Grad
		A	B	C	D	E	F	G	H	I
Base: All respondents	855	444	411	209	323	323	29	102	324	400
Weighted	855	411	444	241*	342	272	90**	332*	279	155
<b>Create too much noise, truck traffic and damage to the community where they reside</b>										
Very much agree	113	68	46	29	55	30	19	37	37	21
	13%	16%	10%	12%	16%	11%	21%	11%	13%	13%
Somewhat agree	441	208	234	143	172	126	48	164	146	83
	52%	51%	53%	59%	50%	46%	54%	49%	52%	54%
Somewhat disagree	260	114	145	61	102	97	20	112	81	46
	30%	28%	33%	25%	30%	35%	23%	34%	29%	30%
Very much disagree	41	21	20	8	12	20	3	19	15	4
	5%	5%	4%	3%	4%	7%	3%	6%	5%	3%
<b>Summary</b>										
Top2Box (Agree)	555	276	279	172	227	156	67	200	183	104
	65%	67%	63%	71%	66%	57%	75%	60%	66%	67%
Low2Box (Disagree)	300	135	165	69	115	117	23	131	95	51
	35%	33%	37%	29%	34%	43%	25%	40%	34%	33%
						C				

Proportions/Mean: Columns Tested (5% risk level) - A/B - C/D/E - F/G/H/I Overlap formulae used. \* small base; \*\* very small base (under 30) ineligible for sig testing

2.6. [Are good job and revenue generators for the local communities that host them] Based on what you know, please indicate whether you very much agree, somewhat agree, somewhat disagree or very much disagree with the following statements about quarries in Ontario:

		GENDER		AGE			EDUCATION			
	Total	Male	Female	18-34	35-54	55+	<HS	HS	Post Sec	Univ Grad
		A	B	C	D	E	F	G	H	I
Base: All respondents	855	444	411	209	323	323	29	102	324	400
Weighted	855	411	444	241*	342	272	90**	332*	279	155
<b>Are good job and revenue generators for the local communities that host them</b>										
Very much agree	142	72	69	26	71	44	13	58	49	22
	17%	18%	16%	11%	21%	16%	15%	17%	17%	14%
Somewhat agree	582	266	316	174	220	188	65	234	184	99
	68%	65%	71%	72%	64%	69%	72%	70%	66%	64%
Somewhat disagree	114	57	58	39	44	31	12	28	45	30
	13%	14%	13%	16%	13%	11%	13%	8%	16%	19%
Very much disagree	17	15	2	1	7	9	0	13	0	4
	2%	4%	0	1%	2%	3%	-	4%	0	3%
		B						H		H
<b>Summary</b>										
Top2Box (Agree)	724	339	385	200	291	232	78	291	233	121
	85%	82%	87%	83%	85%	85%	87%	88%	84%	78%
Low2Box (Disagree)	131	72	59	40	51	40	12	40	46	34
	15%	18%	13%	17%	15%	15%	13%	12%	16%	22%
										G

Proportions/Mean: Columns Tested (5% risk level) - A/B - C/D/E - F/G/H/I Overlap formulae used. \* small base; \*\* very small base (under 30) ineligible for sig testing



2\_7. [Is a business that I do not support because they are often reckless and irresponsible] Based on what you know, please indicate whether you very much agree, somewhat agree, somewhat disagree or very much disagree with the following statements about quarries in Ontario:

		GENDER		AGE			EDUCATION			
	Total	Male	Female	18-34	35-54	55+	<HS	HS	Post Sec	Univ Grad
		A	B	C	D	E	F	G	H	I
Base: All respondents	855	444	411	209	323	323	29	102	324	400
Weighted	855	411	444	241*	342	272	90**	332*	279	155
<b>Is a business that I do not support because they are often reckless and irresponsible</b>										
Very much agree	56	39	18	10	35	11	14	15	19	8
	7%	9%	4%	4%	10%	4%	16%	5%	7%	5%
		B			E					
Somewhat agree	260	128	132	106	89	64	27	95	94	43
	30%	31%	30%	44%	26%	24%	30%	29%	34%	28%
				DE						
Somewhat disagree	408	189	218	91	176	140	32	171	124	81
	48%	46%	49%	38%	51%	51%	35%	51%	44%	53%
										H
Very much disagree	131	55	76	34	41	57	17	50	42	22
	15%	13%	17%	14%	12%	21%	18%	15%	15%	14%
						D				
<b>Summary</b>										
Top2Box (Agree)	316	167	149	116	125	75	41	111	113	51
	37%	41%	34%	48%	36%	28%	46%	33%	41%	33%
				E						
Low2Box (Disagree)	539	244	295	125	217	197	48	221	166	104
	63%	59%	66%	52%	64%	72%	54%	67%	59%	67%
						C				

Proportions/Mean: Columns Tested (5% risk level) - A/B - C/D/E - F/G/H/I Overlap formulae used. \* small base; \*\* very small base (under 30) ineligible for sig testing

2. [Top2Box (Agree) Summary] Based on what you know, please indicate whether you very much agree, somewhat agree, somewhat disagree or very much disagree with the following statements about quarries in Ontario:

		GENDER		AGE			EDUCATION			
	Total	Male	Female	18-34	35-54	55+	<HS	HS	Post Sec	Univ Grad
		A	B	C	D	E	F	G	H	I
Base: All respondents	855	444	411	209	323	323	29	102	324	400
Weighted	855	411	444	241*	342	272	90**	332*	279	155
<b>Top2Box (Agree) Summary</b>										
Are good job and revenue generators for the local communities that host them	724	339	385	200	291	232	78	291	233	121
	85%	82%	87%	83%	85%	85%	87%	88%	84%	78%
								I		
Are well managed by the companies that run them	617	293	325	178	235	204	64	255	197	101
	72%	71%	73%	74%	69%	75%	72%	77%	71%	65%
								I		
Are highly regulated and inspected regularly	602	280	322	180	237	185	80	233	192	96
	70%	68%	72%	75%	69%	68%	90%	70%	69%	62%
Make sure the impact on the landscape is environmentally safe and sound	590	283	307	165	239	185	80	228	191	91
	69%	69%	69%	69%	70%	68%	89%	69%	69%	59%
									I	
Are careful of their impact on the surrounding community where people live	561	261	301	168	216	177	72	219	185	86
	66%	63%	68%	70%	63%	65%	80%	66%	66%	55%
									I	
Create too much noise, truck traffic and damage to the community where they reside	555	276	279	172	227	156	67	200	183	104
	65%	67%	63%	71%	66%	57%	75%	60%	66%	67%
				E						
Is a business that I do not support because they are often reckless and irresponsible	316	167	149	116	125	75	41	111	113	51
	37%	41%	34%	48%	36%	28%	46%	33%	41%	33%
				E						

Proportions/Mean: Columns Tested (5% risk level) - A/B - C/D/E - F/G/H/I Overlap formulae used. \* small base; \*\* very small base (under 30) ineligible for sig testing

2. [Low2Box (Disagree) Summary] Based on what you know, please indicate whether you very much agree, somewhat agree, somewhat disagree or very much disagree with the following statements about quarries in Ontario:

		GENDER		AGE			EDUCATION			
	Total	Male	Female	18-34	35-54	55+	<HS	HS	Post Sec	Univ Grad
		A	B	C	D	E	F	G	H	I
Base: All respondents	855	444	411	209	323	323	29	102	324	400
Weighted	855	411	444	241*	342	272	90**	332*	279	155
<b>Low2Box (Disagree) Summary</b>										
Is a business that I do not support because they are often reckless and irresponsible	539	244	295	125	217	197	48	221	166	104
	63%	59%	66%	52%	64%	72%	54%	67%	59%	67%
						C				
Create too much noise, truck traffic and damage to the community where they reside	300	135	165	69	115	117	23	131	95	51
	35%	33%	37%	29%	34%	43%	25%	40%	34%	33%
						C				
Are careful of their impact on the surrounding community where people live	294	150	144	73	126	95	18	112	94	69
	34%	37%	32%	30%	37%	35%	20%	34%	34%	45%
										H
Make sure the impact on the landscape is environmentally safe and sound	265	128	137	75	103	87	10	104	87	63
	31%	31%	31%	31%	30%	32%	11%	31%	31%	41%
										H
Are highly regulated and inspected regularly	253	130	122	61	105	87	9	98	86	59
	30%	32%	28%	25%	31%	32%	10%	30%	31%	38%
Are well managed by the companies that run them	238	118	120	62	108	68	25	77	82	54
	28%	29%	27%	26%	31%	25%	28%	23%	29%	35%
										G
Are good job and revenue generators for the local communities that host them	131	72	59	40	51	40	12	40	46	34
	15%	18%	13%	17%	15%	15%	13%	12%	16%	22%
										G

Proportions/Mean: Columns Tested (5% risk level) - A/B - C/D/E - F/G/H/I Overlap formulae used. \* small base; \*\* very small base (under 30) ineligible for sig testing

3. Do you think a certifying program like this is a very good, somewhat good, somewhat bad or very bad idea?

		GENDER		AGE			EDUCATION			
	Total	Male	Female	18-34	35-54	55+	<HS	HS	Post Sec	Univ Grad
		A	B	C	D	E	F	G	H	I
Base: All respondents	855	444	411	209	323	323	29	102	324	400
Weighted	855	411	444	241*	342	272	90**	332*	279	155
Very good	316	135	182	82	118	117	18	116	117	66
	37%	33%	41%	34%	34%	43%	20%	35%	42%	43%
Somewhat good	441	206	236	133	184	125	62	182	129	68
	52%	50%	53%	55%	54%	46%	69%	55%	46%	44%
Somewhat bad	65	47	17	22	24	18	3	23	22	17
	8%	12%	4%	9%	7%	7%	4%	7%	8%	11%
Very bad idea	32	23	9	3	16	13	7	11	11	4
	4%	6%	2%	1%	5%	5%	7%	3%	4%	3%
Summary										
Top2Box (Good)	758	340	418	215	301	241	80	298	246	134
	89%	83%	94%	89%	88%	89%	89%	90%	88%	87%
Low2Box (Bad)			A							
	97	71	27	25	41	31	10	34	33	21
	11%	17%	6%	11%	12%	11%	11%	10%	12%	13%
		B								

Proportions/Mean: Columns Tested (5% risk level) - A/B - C/D/E - F/G/H/I Overlap formulae used. \* small base; \*\* very small base (under 30) ineligible for sig testing

4. If you knew a quarry/aggregate site was 'certified 'would you be much more likely, somewhat more likely or have no impact on your position to support one in your municipality or region?

		GENDER		AGE			EDUCATION			
	Total	Male	Female	18-34	35-54	55+	<HS	HS	Post Sec	Univ Grad
		A	B	C	D	E	F	G	H	I
Base: All respondents	855	444	411	209	323	323	29	102	324	400
Weighted	855	411	444	241*	342	272	90**	332*	279	155
Much more likely to support	192	101	91	56	80	56	13	59	78	41
	22%	25%	20%	23%	23%	20%	14%	18%	28%	27%
Somewhat more likely to support	333	147	186	102	119	112	33	115	112	73
	39%	36%	42%	42%	35%	41%	37%	35%	40%	47%
Has no impact	331	163	168	83	143	105	44	157	89	41
	39%	40%	38%	34%	42%	39%	49%	47%	32%	26%
								HI		

Proportions/Mean: Columns Tested (5% risk level) - A/B - C/D/E - F/G/H/I Overlap formulae used. \* small base; \*\* very small base (under 30) ineligible for sig testing

5. Knowing this too, do you think a certificate program like this is a very good, somewhat good, somewhat bad or very bad idea?

		GENDER		AGE			EDUCATION			
	Total	Male	Female	18-34	35-54	55+	<HS	HS	Post Sec	Univ Grad
		A	B	C	D	E	F	G	H	I
Base: All respondents	855	444	411	209	323	323	29	102	324	400
Weighted	855	411	444	241*	342	272	90**	332*	279	155
Very good	240	108	132	60	100	80	19	87	84	51
	28%	26%	30%	25%	29%	29%	21%	26%	30%	33%
Somewhat good	478	205	273	148	183	147	51	175	167	86
	56%	50%	61%	62%	53%	54%	57%	53%	60%	55%
			A							
Somewhat bad	97	74	23	23	42	33	13	55	17	12
	11%	18%	5%	9%	12%	12%	15%	16%	6%	8%
		B						HI		
Very bad idea	39	24	15	9	17	13	7	16	11	6
	5%	6%	3%	4%	5%	5%	7%	5%	4%	4%
Summary										
Top2Box (Good)	719	314	405	209	283	227	70	261	251	137
	84%	76%	91%	87%	83%	83%	78%	79%	90%	88%
			A						G	G
Low2Box (Bad)	136	97	39	32	59	46	20	70	28	18
	16%	24%	9%	13%	17%	17%	22%	21%	10%	12%
		B						HI		

Proportions/Mean: Columns Tested (5% risk level) - A/B - C/D/E - F/G/H/I Overlap formulae used. \* small base; \*\* very small base (under 30) ineligible for sig testing

6. And, would you be very much more likely, somewhat more likely or have no impact on your position to support one in your municipality or region?

		GENDER		AGE			EDUCATION			
	Total	Male	Female	18-34	35-54	55+	<HS	HS	Post Sec	Univ Grad
		A	B	C	D	E	F	G	H	I
Base: All respondents	855	444	411	209	323	323	29	102	324	400
Weighted	855	411	444	241*	342	272	90**	332*	279	155
Much more likely to support	152	78	74	51	58	44	13	41	64	35
	18%	19%	17%	21%	17%	16%	14%	12%	23%	22%
									G	G
Somewhat more likely to support	376	170	207	112	143	121	43	138	127	69
	44%	41%	47%	47%	42%	45%	48%	42%	46%	44%
Has no impact	326	163	163	78	141	107	34	153	88	52
	38%	40%	37%	32%	41%	39%	38%	46%	32%	33%
								HI		

Proportions/Mean: Columns Tested (5% risk level) - A/B - C/D/E - F/G/H/I Overlap formulae used. \* small base; \*\* very small base (under 30) ineligible for sig testing