From:	Juliusson, Lara
To:	Kevin Doherty
Cc:	Drue DeBerry
Subject:	GRSG: DRAFT OG model and distribution percents table
Date:	Friday, March 27, 2015 5:49:17 PM
Attachments:	DRAFT_OG_distribution_probability_output.xlsm

Hi Kevin,

I need to go back and do another QC of this, and the table isn't pretty, but here are the results of the probability distribution analysis. I've got the process to create this table automated, so a similar table can be made relatively quickly with the ag data when it is available.

I will move on to creating the population table next.

Lara

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Max of Percent	Column Labels	
Row Labels	**0.5**	**0.65**
MZ I		
OG_Maximum	23.0	22.0
OG_Mean	12.1	12.2
OG_Minimum	2.8	2.8
MZ II		
OG_Maximum	34.9	35.0
OG_Mean	20.1	19.7
OG_Minimum	10.6	9.9
MZ III		
OG_Maximum	48.9	50.8
OG_Mean	34.5	35.2
OG_Minimum	16.3	16.8
MZ VII		
OG_Maximum	57.8	65.4
OG_Mean	24.6	23.3
OG_Minimum	8.6	1.0

OBJECTID	VALUE	VALUE_0	VALUE_1	VALUE_0_acres	VALUE_0_hectares	VALUE_1_acres
2	1	34135214400	17498304000	8434982.154	3413521.44	4323918.41
2	1	17446104000	9217108800	4311019.529	1744610.4	2277593.67
2	1	4844577600	2121998400	1197119.348	484457.76	524356.4146
2	1	42699182400	8934336000	10551181.47	4269918.24	2207719.097
2	1	21705451200	4957761600	5363525.519	2170545.12	1225087.68
2	1	5839257600	1127318400	1442909.749	583925.76	278566.0132
2	1	12377779200	19463558400	3058611.129	1237777.92	4809542.598
2	1	7238995200	11242800000	1788791.909	723899.52	2778152.094
2	1	3516624000	5902128000	868975.3735	351662.4	1458445.339
2	1	19775448000	12065889600	4886612.078	1977544.8	2981541.65
2	1	11673864000	6807931200	2884670.164	1167386.4	1682273.839
2	1	5992156800	3426595200	1480691.906	599215.68	846728.8069
2	1	1338264000	1445486400	330691.7257	133826.4	357186.9169
2	1	803736000	1019707200	198607.1843	80373.6	251974.7477
2	1	334324800	481953600	82613.3297	33432.48	119093.1443
2	1	1761076800	1022673600	435170.8827	176107.68	252707.7599
2	1	1115668800	707774400	275687.3388	111566.88	174894.5931
2	1	478944000	337334400	118349.4571	47894.4	83357.01691
2	1	1105545600	1168992000	273185.8455	110554.56	288863.7682
2	1	547732800	498067200	135347.5135	54773.28	123074.8955
2	1	198432000	174787200	49033.53936	19843.2	43190.79106
2	1	1847779200	426758400	456595.4792	184777.92	105454.1344
2	1	893908800	151891200	220889.334	89390.88	37533.07498
2	1	366840000	6379200	90647.9982	36684	1576.332216

VALUE_1_hectares	Percent	ExposureType	MZ	Distribution Threshold	
1749830.4	22.99833866	OG_Maximum	MZ I	0.5	MZ I
921710.88	12.11421345	OG_Mean	MZ I	0.5	MZ I
212199.84	2.788981026	OG_Minimum	MZ I	0.5	MZ I
893433.6	21.981487	OG_Maximum	MZ I	0.65	MZ I
495776.16	12.19776961	OG_Mean	MZ I	0.65	MZ I
112731.84	2.773584378	OG_Minimum	MZ I	0.65	MZ I
1946355.84	34.86798963	OG_Maximum	MZ II	0.5	MZ II
1124280	20.14091287	OG_Mean	MZ II	0.5	MZ II
590212.8	10.57336658	OG_Minimum	MZ II	0.5	MZ II
1206588.96	34.99825616	OG_Maximum	MZ II	0.65	MZ II
680793.12	19.74704957	OG_Mean	MZ II	0.65	MZ II
342659.52	9.939164086	OG_Minimum	MZ II	0.65	MZ II
144548.64	48.90908205	OG_Maximum	MZ III	0.5	MZ III
101970.72	34.50253362	OG_Mean	MZ III	0.5	MZ III
48195.36	16.30725005	OG_Minimum	MZ III	0.5	MZ III
102267.36	50.84698436	OG_Maximum	MZ III	0.65	MZ III
70777.44	35.190303	OG_Mean	MZ III	0.65	MZ III
33733.44	16.7721519	OG_Minimum	MZ III	0.65	MZ III
116899.2	57.7559282	OG_Maximum	MZ VII	0.5	MZ VII
49806.72	24.60781035	OG_Mean	MZ VII	0.5	MZ VII
17478.72	8.63564248	OG_Minimum	MZ VII	0.5	MZ VII
42675.84	65.36391707	OG_Maximum	MZ VII	0.65	MZ VII
15189.12	23.26422585	OG_Mean	MZ VII	0.65	MZ VII
637.92	0.977062197	OG_Minimum	MZ VII	0.65	MZ VII

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PRELIMINARY - NOT FOR DISTRIBUTION - DRAFT

Percent of modeled GrSG distribution with varying scenarios of predicted oil and gas development by MZ		
	GrSG Distribution Threshold	
	0.5	0.65
MZ I		
OG_Maximum	23.00	21.98
OG_Mean	12.11	12.20
OG_Minimum	2.79	2.77
MZ II		
OG_Maximum	34.87	35.00
OG_Mean	20.14	19.75
OG_Minimum	10.57	9.94
MZ III		
OG_Maximum	48.91	50.85
OG_Mean	34.50	35.19
OG_Minimum	16.31	16.77
MZ VII		
OG_Maximum	57.76	65.36
OG_Mean	24.61	23.26
OG_Minimum	8.64	0.98