

## Inventory Estimate Assumptions

Analysis by womb077, hotcopper

DYOR. Not Qualified for Advice.

12 September 2017

Version: 1.6

### Assumptions

We know that Mustang commenced operations in the lower-quality Alpha Deposit. In the October 2016 to June 2016 timeframe Mustang recovered their initial 120,000 carats of inventory from this lower-quality deposit that had a much broader distribution of Ruby qualities.

Then following the acquisition of the highly-strategic 8245L License Area, Mustang shifted their focus to bulk sampling from a deposit that yields almost exclusively high quality rubies.

#### October 2017 Auction (Auction 1)

Due to the change in focus from a lower-quality deposit to a higher quality deposit at the end of June 2017, valuation for the October 2017 auction has been developed with two separate valuations for the following groups of material.

1. Initial 120,000 carats from the Alpha Deposit with 70% of this portion as lower-grade rubies within the small and medium sizes. The remainder of the inventory is considered to be High Quality rubies.

2. Subsequent 210,000 carats from the 8245L Deposit with 90% of this portion as High Quality rubies and the remainder (10%) as Commercial Quality Rubies

#### Q2 2018 Auction (Auction 2)

For the second auction it is assumed that all material will be recovered from the 8245L License area and that 90% of the material will be High Quality Ruby with the remaining 10% being Commercial Quality Ruby. A 250,000 carat production target has been assumed.

### Distribution of inventory carats by rough ruby size

Weibull distribution has been applied for carat size distribution for the Rough Gem inventory. Sizes are assumed to range from the size range of 1 carat to 23 carats. Assumption is that rubies below or near 1 carat are likely to be discarded. Rubies greater than 23 carats are quite rare so have not been included.

Figure 1 - Distribution of 120,000 carats collected from October 2016 to June 2017 (material for October 2017 Auction)

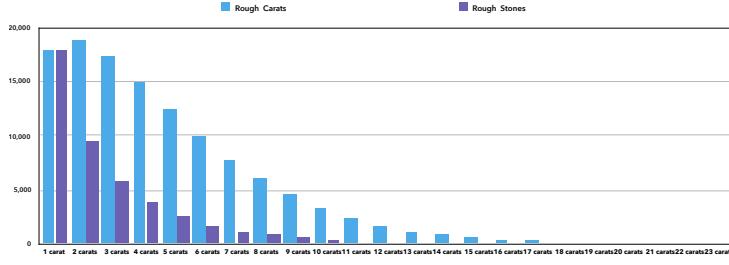


Figure 2 - Distribution of 210,000 carats collected from July to October 2017 (material for October 2017 Auction)

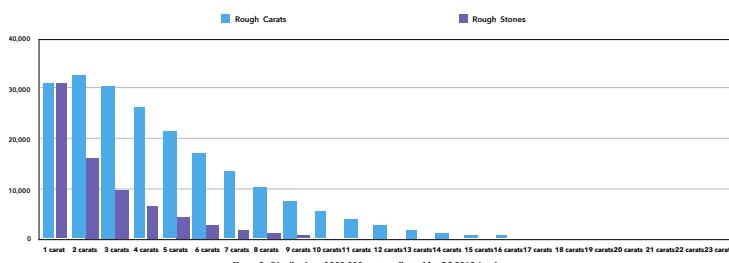
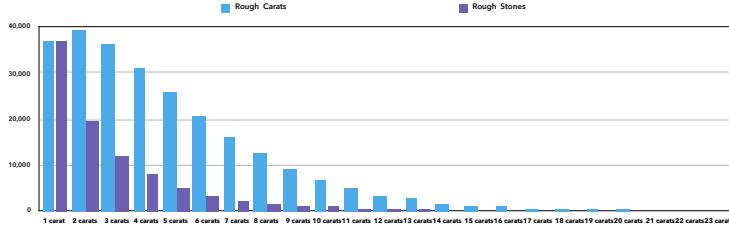


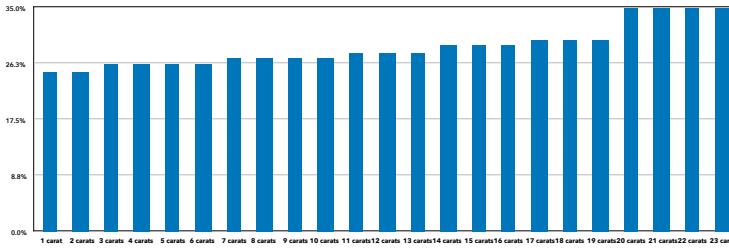
Figure 3 - Distribution of 200,000 carats collected for Q2 2018 Auction



### Yield

Higher cutting yields have been assumed for the larger stones with yields reducing as the size reduces.

Cut Yield from Rough Ruby



### Reserve prices for rough rubies

Tender reserve prices have been calculated as a proportion of cut stone wholesale value. The logic for this margins has been determined based on gem industry guidance.

40% Large/special rough reserve rate as percentage of wholesale cut value. Higher wholesale values of cut gems allow for higher margins for tender sales of rough. Under tender sales conditions due to the increased competition for the highest quality material, strong reserve prices are realistic.

32.5% Medium sized rough reserve rate as percentage of wholesale cut value.

25% Small sized rough reserve rate as percentage of wholesale cut value. Lower margins for retail of smaller stones require lower margins for sales of rough.

### Quality Distribution

It's assumed that 70% of the material collected before July 2017 is Commercial Quality Ruby with the remainder being high quality.

From July 2017 it is assumed that 8245L is yielding "almost exclusively" (90%) High Quality Ruby with the remaining 10% being Commercial Quality Ruby.

Figure 4 - Assumed grade distribution for 120,000 carats collected from October 2016 to June 2017

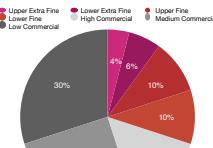


Figure 5 - Assumed grade distribution for 210,000 carats collected from July 2017 to October 2017

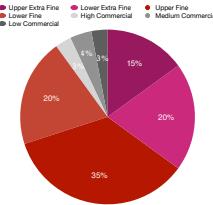
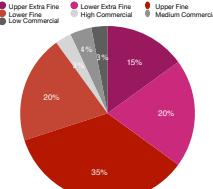


Figure 6 - Assumed grade distribution for 250,000 carats for Q2 2018 Auction



## Summary of Results - Inventory Estimates

Analysis by wombar777, hotcopper

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This is an assumed and theoretical valuation for the Rough Ruby Inventory leading to the inaugural October 2017 auction and the Q2 2018 Auction. This is based on ruby details published to date and broad assumptions on grade distribution and rough ruby wholesale rates.

12 September 2017

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### Assumptions

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Then following the acquisition of the highly-strategic 8245L License Area, Mustang shifted their focus to bulk-sampling from a deposit that yields almost-exclusively high quality rubies.

October 2017 Auction (Auction 1)

Due to the change in focus from a lower-quality deposit to a higher quality deposit at the end of June 2017, valuation for the October 2017 auction has been developed with two separate valuations for the following groups of material.

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2. Subsequent 210,000 carats from the 8245L Deposit with 90% of this portion as High Quality rubies and the remainder (10%) as Commercial Quality Rubies

Q2 2018 Auction (Auction 2)

For the second auction it is assumed that all material will be recovered from the 8245L License area and that 90% of the material will be High Quality Ruby with the remaining 10% being Commercial Quality Ruby. A 250,000 carat production target has been assumed.

### Summary of Results

#### Auction 1

Inventory Portion	Size Group	Average Size of Rough Gem		Percentage of Inventory by Size Group		Cut carats total	Cut Ruby Revenue	Cut USD/gem	Rough Ruby Revenue	Rough USD/Ruby	Rough USD/ct
		Gems in Inventory	Carats in Inventory	Gems in Inventory	Carats in Inventory						
Inventory October 2016 to June 2017	Large/Special Other	20.934	9	179	0.149%	63	\$ 1,348,624	\$157,533	\$ 539,450	\$63,013	\$3,010
		43,992	119,821	99.851%		31,181	\$ 47,722,577	\$1,085	\$ 13,367,010	\$304	\$112
		Gems in Inventory	Carats in Inventory				Cut Ruby Revenue	Cut USD/gem	Rough Ruby Revenue	Rough USD/Ruby	USD/ct
		<b>44,001</b>	<b>120,000</b>			<b>31,244</b>	<b>\$ 49,071,201</b>	<b>\$1,115</b>	<b>\$ 13,906,459</b>	<b>\$316</b>	<b>\$116</b>
Inventory July 2017 to October 2017	Large/Special Other	20.934	15	314	0.149%	110	\$ 2,360,097	\$157,533	\$ 2,360,097	\$157,533	\$7,525
		76,987	209,686	99.851%		54,568	\$ 178,251,870	\$2,315	\$ 50,105,208	\$651	\$239
		Gems in Inventory	Carats in Inventory				Cut Ruby Revenue	Cut USD/gem	Rough Ruby Revenue	Rough USD/Ruby	USD/ct
		<b>77,002</b>	<b>210,000</b>			<b>54,677</b>	<b>\$ 180,611,967</b>	<b>\$2,346</b>	<b>\$ 52,446,306</b>	<b>\$681</b>	<b>\$250</b>
<b>Estimated Inventory Valuation for Auction 1 - October 2017</b>											
		Gems in Inventory	Carats in Inventory				Cut Ruby Revenue	Cut USD/gem	Rough Ruby Revenue	Rough USD/Ruby	USD/ct
		<b>121,002</b>	<b>350,000</b>				<b>\$ 229,683,168</b>	<b>\$1,898</b>	<b>\$ 66,371,765</b>	<b>\$549</b>	<b>\$201</b>

#### Auction 2

Inventory Portion	Size Group	Average Size of Rough Gem		Percentage of Inventory by Size Group		Cut carats total	Cut Ruby Revenue	Cut USD/gem	Rough Ruby Revenue	Rough USD/Ruby	Rough USD/ct
		Gems in Inventory	Carats in Inventory	Gems in Inventory	Carats in Inventory						
Inventory October 2016 to June 2017	Large/Special Other	20.934	18	373	0.149%	131	\$ 214,300,270	\$2,809,635	\$ 1,123,854	\$63,013	\$3,010
		91,650	249,626	99.851%		64,961	\$ 214,300,270	\$21,490,635	\$ 59,417,032	\$648	\$238
		Gems in Inventory	Carats in Inventory				Cut Ruby Revenue	Cut USD/gem	Rough Ruby Revenue	Rough USD/Ruby	USD/ct
		<b>91,668</b>	<b>250,000</b>			<b>65,092</b>	<b>\$ 428,600,539</b>	<b>\$4,675.56</b>	<b>\$ 60,540,886</b>	<b>\$660</b>	<b>\$242</b>
<b>Estimated Inventory Valuation for Auction 2 - Q2 2018</b>											
		Gems in Inventory	Carats in Inventory				Cut Ruby Revenue	Cut USD/gem	Rough Ruby Revenue	Rough USD/Ruby	USD/ct
		<b>91,668</b>	<b>250,000</b>				<b>\$ 428,600,539</b>	<b>\$4,676</b>	<b>\$ 60,540,886</b>	<b>\$660</b>	<b>\$242</b>

## Inventory Estimate for October 2017 Auction (material to end June 2017)

Analysis by wombat777, hotcopper

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### Assumptions

See page 1 for core assumptions and analysis method.

#### Reserve prices for rough rubies

Tender reserve prices have been calculated as a proportion of cut stone wholesale value. The logic for this margins has been determined based on gem industry guidance.

40% Large/special rough reserve rate as percentage of wholesale cut value. Higher wholesale values of cut gems allow for higher margins for tender sales of rough. Under tender sales conditions due to the increased competition for the highest quality material, strong reserve prices are realistic.

32.5% Medium sized rough reserve rate as percentage of wholesale cut value.

25% Small sized rough reserve rate as percentage of wholesale cut value. Lower margins for retail of smaller stones require lower margins for sales of rough.

#### Summary of Results



#### Auction 1 - Theoretical / Assumed Inventory Valuation for material collected October 2016 to June 2017 - 100,000 Carats

Size Group	Rough Ruby			Cut Ruby			Assumed Grade and Distribution			Inventory			Cut Ruby Size Grades and Wholesale Prices			Cut Ruby Value Estimates			Rough Ruby				
	Average Size of Rough Gem	Quantity	Carats in Inventory	Percentag e of Inventory by Size Group	Proportion of Ruby Retained after cutting	Avg size after cutting	Cut carats total	Category	Grade	Assumed % distribution of Grade in group	# Stones	Cut Size	Grade Ct Min	Grad Ct Max	Grade / Size Min	Grade / Size Max	Grade / Size	Estimated Cut Value / Carat	Cut Ruby Revenue	Cut USD/gem	Rough Reserve Rate	Rough Ruby Revenue	Rough USD/Ruby
Large/Special	20.934	9	179	0.149%	35%	7.33	63	High Quality	Upper Extra Fine	14%	1.2	7,327	5,000	7,999	\$ 27,625	\$35,900	\$ 30,046	\$ 305,077	\$ 249,453	40%	\$ 122,033	\$ 97,781	\$ 63,013
								High Quality	Lower Extra Fine	29%	2.4	7,327	5,000	7,999	\$ 19,900	\$25,700	\$ 24,400	\$ 437,293	\$ 178,781	40%	\$ 174,917	\$ 71,512	
								High Quality	Upper Fine	57%	4.9	7,327	5,000	7,999	\$ 13,500	\$17,900	\$ 16,914	\$ 606,254	\$ 123,929	40%	\$ 242,501	\$ 49,572	
19 Carat	19.000	6	116	0.097%	30%	5.70	35	High Quality	Upper Extra Fine	4%	0.2	5,700	5,000	7,999	\$ 27,625	\$35,900	\$ 29,556	\$ 41,286	\$ 168,472	32.5%	\$ 13,418	\$ 54,753	\$ 30,586
								High Quality	Lower Extra Fine	6%	0.4	5,700	5,000	7,999	\$ 19,900	\$25,700	\$ 20,674	\$ 65,350	\$ 111,637	32.5%	\$ 14,473	\$ 39,373	
								High Quality	Upper Fine	10%	0.6	5,700	5,000	7,999	\$ 13,500	\$17,900	\$ 14,087	\$ 74,215	\$ 76,069	32.5%	\$ 14,487	\$ 26,911	
								High Quality	Lower Fine	10%	0.6	5,700	5,000	7,999	\$ 9,800	\$12,500	\$ 10,160	\$ 53,528	\$ 54,845	32.5%	\$ 11,838	\$ 19,322	
								Commercial	High Commercial	15%	0.9	5,700	5,000	7,999	\$ 5,785	\$7,410	\$ 6,164	\$ 32,920	\$ 35,136	32.5%	\$ 10,494	\$ 11,419	\$ 5,240
								Commercial	Medium Commercial	25%	1.5	5,700	5,000	7,999	\$ 2,295	\$4,160	\$ 2,730	\$ 23,836	\$ 15,563	32.5%	\$ 7,747	\$ 5,058	
								Commercial	Low Commercial	30%	1.8	5,700	5,000	7,999	\$ 910	\$2,335	\$ 1,243	\$ 13,023	\$ 7,085	32.5%	\$ 4,232	\$ 2,303	
18 Carat	18.000	10	176	0.146%	30%	5.40	53	High Quality	Upper Extra Fine	4%	0.4	5,400	5,000	7,999	\$ 27,625	\$35,900	\$ 28,279	\$ 60,542	\$ 155,135	32.5%	\$ 19,676	\$ 50,419	\$ 28,163
								High Quality	Lower Extra Fine	6%	0.6	5,400	5,000	7,999	\$ 19,900	\$25,700	\$ 20,674	\$ 65,350	\$ 111,637	32.5%	\$ 21,239	\$ 36,282	
								High Quality	Upper Fine	10%	1.0	5,400	5,000	7,999	\$ 13,500	\$17,900	\$ 14,087	\$ 74,215	\$ 76,069	32.5%	\$ 24,120	\$ 24,722	
								High Quality	Lower Fine	10%	1.0	5,400	5,000	7,999	\$ 9,800	\$12,500	\$ 10,160	\$ 53,528	\$ 54,845	32.5%	\$ 17,397	\$ 17,831	
								Commercial	High Commercial	15%	1.5	5,400	5,000	7,999	\$ 5,785	\$7,410	\$ 6,400	\$ 47,430	\$ 32,409	32.5%	\$ 15,415	\$ 10,533	\$ 4,679
								Commercial	Medium Commercial	25%	2.4	5,400	5,000	7,999	\$ 2,295	\$4,160	\$ 4,544	\$ 33,504	\$ 13,736	32.5%	\$ 10,889	\$ 4,464	
								Commercial	Low Commercial	30%	2.9	5,400	5,000	7,999	\$ 910	\$2,335	\$ 1,101	\$ 17,394	\$ 5,943	32.5%	\$ 5,653	\$ 1,931	
17 Carat	17.000	15	263	0.219%	30%	5.10	79	High Quality	Upper Extra Fine	4%	0.6	5,100	4,000	4,999	\$ 24,000	\$26,200	\$ 26,544	\$ 83,490	\$ 135,474	32.5%	\$ 21,199	\$ 44,030	\$ 24,736
								High Quality	Lower Extra Fine	6%	0.9	5,100	4,000	4,999	\$ 14,250	\$19,200	\$ 19,700	\$ 93,100	\$ 100,472	32.5%	\$ 30,258	\$ 32,653	
								High Quality	Upper Fine	10%	1.5	5,100	4,000	4,999	\$ 10,500	\$12,900	\$ 13,143	\$ 103,515	\$ 67,027	32.5%	\$ 33,643	\$ 21,784	
								High Quality	Lower Fine	10%	1.5	5,100	4,000	4,999	\$ 7,200	\$ 9,000	\$ 9,182	\$ 72,320	\$ 46,828	32.5%	\$ 23,504	\$ 15,219	
								Commercial	High Commercial	15%	2.3	5,100	4,000	4,999	\$ 4,065	\$5,525	\$ 5,525	\$ 6,763	\$ 67,019	32.5%	\$ 28,930	\$ 21,781	\$ 9,402
								Commercial	Medium Commercial	25%	3.9	5,100	4,000	4,999	\$ 1,950	\$2,600	\$ 2,366	\$ 66,701	\$ 10,980	32.5%	\$ 17,059	\$ 4,418	
								Commercial	Low Commercial	30%	4.6	5,100	4,000	4,999	\$ 935	\$1,224	\$ 1,224	\$ 1,224	\$ 5,139	32.5%	\$ 6,563	\$ 1,931	
16 Carat	16.000	24	389	0.324%	29%	4.64	113	High Quality	Upper Extra Fine	4%	1.0	4,640	4,000	4,999	\$ 22,600	\$26,200	\$ 24,906	\$ 112,324	\$ 115,565	32.5%	\$ 34,505	\$ 37,559	\$ 20,512
								High Quality	Lower Extra Fine	6%	1.5	4,640	4,000	4,999	\$ 14,250	\$19,200	\$ 17,421	\$ 117,850	\$ 80,834	32.5%	\$ 38,301	\$ 26,271	
								High Quality	Upper Fine	10%	2.4	4,640	4,000	4,999	\$ 10,500	\$12,900	\$ 12,038	\$ 135,719	\$ 55,854	32.5%	\$ 44,109	\$ 18,153	
								High Quality	Lower Fine	10%	2.4	4,640	4,000	4,999	\$ 7,200	\$ 9,000	\$ 8,533	\$ 94,179	\$ 38,759	32.5%	\$ 30,608	\$ 12,597	
								Commercial	High Commercial	15%	3.6	4,640	4,000	4,999	\$ 4,065	\$5,525	\$ 5,525	\$ 5,000	\$ 84,565	32.5%	\$ 27,484	\$ 7,541	\$ 3,614
								Commercial	Medium Commercial	25%	6.1	4,640	4,000	4,999	\$ 1,950	\$2,600	\$ 2,366	\$ 66,701	\$ 10,980	32.5%	\$ 21,678	\$ 3,569	
								Commercial	Low Commercial	30%	7.3	4,640	4,000	4,999	\$ 935	\$1,224	\$ 1,224	\$ 1,224	\$ 5,139	32.5%	\$ 12,312	\$ 1,689	
15 Carat	15.000	38	570	0.475%	29%	4.35	165	High Quality	Upper Extra Fine	4%	1.5	4,350	4,000	4,999	\$ 22,600	\$26,200	\$ 23,861	\$ 157,763	\$ 135,474	32.5%	\$ 51,273	\$ 33,734	\$ 18,052
								High Quality	Lower Extra Fine	6%	2.3	4,350	4,000	4,999	\$ 14,250	\$19,200	\$ 15,984	\$ 158,524	\$ 69,531	32.5%	\$ 51,520	\$ 22,598	
								High Quality	Upper Fine	10%	3.8												

4

## Inventory Estimate for October 2017 Auction

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### Assumptions

See page 1 for core assumptions and analysis method.

#### Reserve prices for rough rubies

Tender reserve prices have been calculated as a proportion of cut stone wholesale value. The logic for this margins has been determined based on gem industry guidance.

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25% Small sized rough reserve rate as percentage of wholesale cut value. Lower margins for retail of smaller stones require lower margins for sales of rough.

#### Summary of Results



#### Auction 1 - Theoretical / Assumed Inventory Valuation for material collected July 2017 to October 2017 - 100,000 Carats

Size Group	Rough Ruby			Cut Ruby			Assumed Grade and Distribution			Inventory	Cut Ruby Size Grades and Wholesale Prices			Cut Ruby Value Estimates			Rough Ruby						
	Average Size of Rough Gem	Quantity of rough gems	Cards in Inventory	Percent of Inventory by Size Group	Proportion of Ruby Retained after cutting	Avg size after cutting	Cut carats total	Category	Grade	Assumed % distribution of Grade in group	# Stones	Cut Size	Grade Ct Min	Grad Ct Max	Grade / Size Max	Grade / Size Min	Estimated Cut Value / Carat	Cut Ruby Revenue	Cut USD/gem	Rough Reserve Rate	Rough Ruby Revenue	Rough USD/Ruby	Group Price per Stone
Large/Special	20.934	15	314	0.149%	35%	7.33	110	High Quality	Upper Extra Fine	14%	2.1	7.327	5,000	7,999	\$ 27,625	\$35,900	\$ 34,046	\$533,886	\$24,453	40%	\$ 213,554	\$ 99,781	\$ 63,013
19 Carat	19.000	11	204	0.097%	30%	5.70	61	High Quality	Lower Extra Fine	29%	4.3	7.327	5,000	7,999	\$ 19,900	\$25,700	\$ 24,400	\$765,265	\$178,781	40%	\$ 306,106	\$ 71,512	\$ 31,229
18 Carat	18.000	17	307	0.146%	30%	5.40	92	High Quality	Upper Fine	57%	8.6	7.327	5,000	7,999	\$ 13,500	\$17,900	\$ 16,914	\$1,060,946	\$123,929	40%	\$ 424,379	\$ 49,572	
17 Carat	17.000	27	459	0.219%	30%	5.10	138	High Quality	Upper Extra Fine	15%	1.6	5.700	5,000	7,999	\$ 27,625	\$35,900	\$ 29,556	\$270,939	\$168,472	32.5%	\$ 88,055	\$ 54,753	\$ 32,634
16 Carat	16.000	43	680	0.324%	29%	4.64	197	High Quality	Lower Extra Fine	20%	2.1	5.700	5,000	7,999	\$ 19,900	\$25,700	\$ 21,254	\$259,773	\$121,147	32.5%	\$ 84,424	\$ 39,373	
15 Carat	15.000	66	997	0.475%	29%	4.35	289	High Quality	Upper Fine	35%	3.8	5.700	5,000	7,999	\$ 13,500	\$17,900	\$ 14,527	\$310,722	\$82,804	32.5%	\$ 100,985	\$ 26,911	
14 Carat	14.000	103	1,447	0.689%	29%	4.06	420	High Quality	Lower Fine	20%	2.1	5.700	5,000	7,999	\$ 9,800	\$12,500	\$ 10,430	\$127,483	\$59,452	32.5%	\$ 41,432	\$ 19,322	
13 Carat	13.000	160	2,075	0.988%	28%	3.64	581	High Quality	Commercial	3%	0.3	5.700	5,000	7,999	\$ 5,785	\$7,410	\$ 6,164	\$11,301	\$35,136	32.5%	\$ 3,673	\$ 11,419	\$ 6,140
12 Carat	12.000	245	2,942	1.401%	28%	3.36	824	High Quality	Commercial	4%	0.4	5.700	5,000	7,999	\$ 2,295	\$4,160	\$ 2,730	\$6,674	\$15,563	32.5%	\$ 2,167	\$ 5,058	
11 Carat	11.000	374	4,116	1.960%	28%	3.08	1,152	High Quality	Commercial	5%	0.5	5.700	5,000	7,999	\$ 910	\$2,335	\$ 1,243	\$2,279	\$7,085	32.5%	\$ 741	\$ 2,303	
10 Carat	10.000	568	5,079	2.704%	28%	2.76	1,533	High Quality	Commercial	6%	0.6	5.700	5,000	7,999	\$ 7,200	\$9,100	\$ 9,100	\$25,131	\$54,865	32.5%	\$ 6,088	\$ 17,831	
9 Carat	9.000	857	7,717	3.675%	27%	2.76	2,084	High Quality	Commercial	7%	0.7	5.700	5,000	7,999	\$ 19,700	\$25,700	\$ 20,674	\$85,948	\$67,609	32.5%	\$ 18,944	\$ 24,722	
8 Carat	8.000	1,289	10,310	4.910%	27%	2.76	2,784	High Quality	Commercial	8%	0.8	5.700	5,000	7,999	\$ 19,700	\$25,700	\$ 21,254	\$85,948	\$67,609	32.5%	\$ 18,944	\$ 24,722	
7 Carat	7.000	1,931	13,514	6.435%	27%	3.64	1,311	High Quality	Commercial	9%	0.9	5.700	5,000	7,999	\$ 19,700	\$25,700	\$ 21,254	\$85,948	\$67,609	32.5%	\$ 18,944	\$ 24,722	
6 Carat	6.000	2,884	17,328	8.251%	27%	4.06	581	High Quality	Commercial	10%	1.0	5.700	5,000	7,999	\$ 19,700	\$25,700	\$ 21,254	\$85,948	\$67,609	32.5%	\$ 18,944	\$ 24,722	
5 Carat	5.000	4,328	21,642	10.306%	27%	4.64	197	High Quality	Commercial	11%	1.1	5.700	5,000	7,999	\$ 19,700	\$25,700	\$ 21,254	\$85,948	\$67,609	32.5%	\$ 18,944	\$ 24,722	
4 Carat	4.000	6,541	26,162	12.458%	27%	5.06	602	High Quality	Commercial	12%	1.2	5.700	5,000	7,999	\$ 19,700	\$25,700	\$ 21,254	\$85,948	\$67,609	32.5%	\$ 18,944	\$ 24,722	
3 Carat	3.000	10,091	30,272	14.415%	27%	5.47	731	High Quality	Commercial	13%	1.3	5.700	5,000	7,999	\$ 19,700	\$25,700	\$ 21,254	\$85,948	\$67,609	32.5%	\$ 18,944	\$ 24,722	
2 Carat	2.000	16,386	32,722	15.600%	27%	5.88	892	High Quality	Commercial	14%	1.4	5.700	5,000	7,999	\$ 19,700	\$25,700	\$ 21,254	\$85,948	\$67,609	32.5%	\$ 18,944	\$ 24,722	
1 Carat	1.000	31,062	31,062	14.791%	27%	6.29	1,152	High Quality	Commercial	15%	1.5	5.700	5,000	7,999	\$ 19,700	\$25,700	\$ 21,254	\$85,948	\$67,609	32.5%	\$ 18,944	\$ 24,722	
							Cut Ruby Revenue	Cut USD/gem	Rough Ruby Revenue	Rough USD/Ruby	Rough USD/ct												
							\$ 77,002	\$ 210,000	\$ 54,677	\$ 180,611,967	\$2,346	\$ 51,049,247	\$663	\$ 243,09									

Cut Gem Wholesale	Rough Wholesale
Average per cut carat \$ 3,303	\$ 934
Qty Cut Cts 54,677	54,677

6

Inventory Estimate for Auction 2 - Q2 2018

Analysis by wombat777, hotcopper

DYOR. Not Qualified for Advice

This is an assumed and theoretical valuation for the Rough Ruby Inventory for the Q2 2018 auction. This is based on ruby details published to date and broad assumptions on grade distribution and rough ruby wholesale rates.

Version 1.6

12 September 2017

## Assumptions

#### **Resources needed for research activities**

Tender reserve prices have been calculated as a proportion of cut stone wholesale value. The logic for this margins has been determined based on gem industry guidance.

40%	Large/special rough reserve rate as percentage of wholesale cut value. Higher wholesale values of cut gems allow for higher margins for tender sales of rough. Under tender sales conditions due to the increased competition for the highest quality material, strong reserve prices are realistic.
32.5%	Medium sized rough reserve rate as percentage of wholesale cut value.
25%	Small sized rough reserve rate as percentage of wholesale cut value. Lower margins for retail of smaller stones require lower margins for sales of rough.

#### **Summary of Results:**



Auction 2 - Theoretical / Assumed Inventory Valuation for Q2 2018 Auction

Rough Ruby			Cut Ruby				Assumed Grade and Distribution				Inventory			Cut Ruby Size Grades and Wholesale Prices				Cut Ruby Value Estimates				Rough Ruby			
Size Group	Average Size of Rough Gem	Quantity of rough gems	Carats in Inventory	Percentage of Inventory by Size Group	Proportion of Ruby Retained after cutting	Avg size after cutting	Cut carats total	Category	Assumed % distribution of Grade in group				# Stones	Cut Size	Grade Ct Min	Grade Ct Max	Grade / Size Min	Grade / Size Max	Estimated Cut Value / Carat	Cut Ruby Revenue	Cut USD/gem	Rough Reserve Rate	Rough Ruby Revenue	Rough USD/Ruby	Group Rough Price per Carat
									Grade	# Stones	Cut Size	Grade Ct Min	Grade Ct Max	Grade / Size Min	Grade / Size Max										
Large/Special	20.934	18	373	0.149%	35%	7.33	131	High Quality	Upper Extra Fine	14%	2.5	7.327	5.000	\$ 27,625	35,900	\$ 34,046	\$ 635,578	\$ 249,453	40%	\$ 254,231	\$ 99,781	\$ 43,013			
								High Quality	Lower Extra Fine	29%	5.1	7.327	5.000	\$ 19,900	25,700	\$ 24,400	\$ 91,102	\$ 17,881	40%	\$ 364,411	\$ 71,512				
								High Quality	Upper Fine	57%	10.2	7.327	5.000	\$ 7,999	13,500	\$ 17,900	\$ 16,914	\$ 2,123,029	40%	\$ 505,212	\$ 49,572				
19 Carat	19.000	13	243	0.097%	30%	5.70	73	High Quality	Upper Extra Fine	15%	1.9	5.700	5.000	\$ 27,625	35,900	\$ 29,556	\$ 322,546	\$ 168,472	32.5%	\$ 104,828	\$ 54,753	\$ 32,634			
								High Quality	Lower Extra Fine	20%	2.6	5.700	5.000	\$ 7,999	13,900	\$ 25,700	\$ 21,254	\$ 309,253	12.147	\$ 32.5%	\$ 100,507	\$ 39,373			
								High Quality	Upper Fine	35%	4.5	5.700	5.000	\$ 7,999	13,500	\$ 17,900	\$ 14,527	\$ 369,907	8,804	32.5%	\$ 120,220	\$ 26,911			
								High Quality	Lower Fine	20%	2.6	5.700	5.000	\$ 7,999	9,800	\$ 12,500	\$ 10,430	\$ 151,765	59,452	32.5%	\$ 49,324	\$ 19,322			
								Commercial	High Commercial	3%	0.4	5.700	5.000	\$ 7,999	5,700	\$ 7,410	\$ 6,164	\$ 13,454	35,136	32.5%	\$ 4,737	\$ 11,419	\$ 6,140		
								Commercial	Medium Commercial	4%	0.5	5.700	5.000	\$ 7,999	2,295	\$ 4,160	\$ 2,730	\$ 7,945	15,563	32.5%	\$ 2,582	\$ 5,058			
								Commercial	Low Commercial	3%	0.4	5.700	5.000	\$ 7,999	9,100	\$ 2,335	\$ 1,243	\$ 2,713	7,085	32.5%	\$ 882	\$ 2,303			
18 Carat	18.000	20	366	0.146%	30%	5.40	110	High Quality	Upper Extra Fine	10%	2.0	5.400	5.000	\$ 7,999	27,625	\$ 35,900	\$ 28,729	\$ 315,323	\$ 151,135	32.5%	\$ 102,480	\$ 50,419	\$ 27,973		
								High Quality	Lower Extra Fine	15%	3.0	5.400	5.000	\$ 7,999	19,900	\$ 25,700	\$ 20,674	\$ 340,366	\$ 111,637	32.5%	\$ 110,619	\$ 36,282			
								High Quality	Upper Fine	45%	9.1	5.400	5.000	\$ 7,999	13,500	\$ 17,900	\$ 14,087	\$ 695,771	\$ 7,609	32.5%	\$ 226,125	\$ 47,272			
								High Quality	Lower Fine	20%	4.1	5.400	5.000	\$ 7,999	9,800	\$ 12,500	\$ 10,160	\$ 223,032	\$ 54,865	32.5%	\$ 72,486	\$ 17,831			
								Commercial	High Commercial	3%	0.6	5.400	5.000	\$ 7,999	5,700	\$ 7,410	\$ 6,002	\$ 19,762	\$ 32,409	32.5%	\$ 4,623	\$ 10,533	\$ 5,525		
								Commercial	Medium Commercial	4%	0.8	5.400	5.000	\$ 7,999	2,295	\$ 4,160	\$ 2,544	\$ 11,168	\$ 13,736	32.5%	\$ 3,630	\$ 4,464			
								Commercial	Low Commercial	3%	0.6	5.400	5.000	\$ 7,999	910	\$ 2,335	\$ 1,243	\$ 3,624	\$ 5,943	32.5%	\$ 1,178	\$ 1,931			
17 Carat	17.000	32	547	0.219%	30%	5.10	164	High Quality	Upper Extra Fine	10%	3.2	5.100	4,000	\$ 4,999	22,600	\$ 26,200	\$ 26,564	\$ 435,887	\$ 135,476	32.5%	\$ 141,663	\$ 44,030	\$ 24,608		
								High Quality	Lower Extra Fine	15%	4.8	5.100	4,000	\$ 4,999	14,200	\$ 19,200	\$ 19,700	\$ 484,896	\$ 104,472	32.5%	\$ 157,591	\$ 32,653			
								High Quality	Upper Fine	45%	14.5	5.100	4,000	\$ 4,999	10,500	\$ 12,900	\$ 13,143	\$ 970,458	\$ 67,027	32.5%	\$ 315,399	\$ 21,784			
								High Quality	Lower Fine	20%	6.4	5.100	4,000	\$ 4,999	7,200	\$ 9,000	\$ 9,182	\$ 301,334	\$ 4,628	32.5%	\$ 97,933	\$ 15,219			
								Commercial	High Commercial	3%	1.0	5.100	4,000	\$ 4,999	4,005	\$ 5,525	\$ 5,673	\$ 27,924	\$ 28,930	32.5%	\$ 0,975	\$ 9,402	\$ 2,076		
								Commercial	Medium Commercial	4%	1.3	5.100	4,000	\$ 4,999	1,950	\$ 2,600	\$ 2,666	\$ 17,497	\$ 13,955	32.5%	\$ 5,686	\$ 4,418			
								Commercial	Low Commercial	3%	1.0	5.100	4,000	\$ 4,999	935	\$ 1,224	\$ 1,224	\$ 6,166	\$ 3,895	32.5%	\$ 2,004	\$ 2,076			
16 Carat	16.000	51	810	0.324%	29%	4.64	235	High Quality	Upper Extra Fine	10%	5.1	4.640	4,000	\$ 4,999	22,600	\$ 26,200	\$ 24,906	\$ 585,020	\$ 115,655	32.5%	\$ 190,132	\$ 37,559	\$ 20,427		
								High Quality	Lower Extra Fine	15%	7.6	4.640	4,000	\$ 4,999	14,250	\$ 19,200	\$ 17,421	\$ 613,805	\$ 80,834	32.5%	\$ 199,486	\$ 26,271			
								High Quality	Upper Fine	45%	22.8	4.640	4,000	\$ 4,999	10,500	\$ 12,900	\$ 12,038	\$ 1,272,365	\$ 58,584	32.5%	\$ 415,519	\$ 18,153			
								High Quality	Lower Fine	20%	10.1	4.640	4,000	\$ 4,999	7,200	\$ 9,000	\$ 8,353	\$ 392,412	\$ 38,759	32.5%	\$ 127,534	\$ 12,597			
								Commercial	High Commercial	3%	1.5	4.640	4,000	\$ 4,999	4,065	\$ 5,525	\$ 5,673	\$ 27,924	\$ 28,930	32.5%	\$ 1,145	\$ 7,541	\$ 4,196		
								Commercial	Medium Commercial	4%	2.0	4.640	4,000	\$ 4,999	1,950	\$ 2,600	\$ 2,366	\$ 22,234	\$ 10,980	32.5%	\$ 7,226	\$ 3,569			
								Commercial	Low Commercial	3%	1.5	4.640	4,000	\$ 4,999	935	\$ 1,224	\$ 1,224	\$ 7,189	\$ 5,197	32.5%	\$ 2,565	\$ 1,489			
15 Carat	15.000	79	1,187	0.475%	29%	4.35	344	High Quality	Upper Extra Fine	10%	7.9	4.350	4,000	\$ 4,999	22,600	\$ 26,200	\$ 23,861	\$ 821,684	\$ 103,796	32.5%	\$ 267,047	\$ 33,734	\$ 17,991		
								High Quality	Lower Extra Fine	15%	11.9	4.350	4,000	\$ 4,999	14,250	\$ 19,200	\$ 15,984	\$ 825,648	\$ 69,531	32.5%	\$ 268,335	\$ 22,598			
								High Quality	Upper Fine	45%	35.6	4.350	4,000	\$ 4,999	10,500	\$ 12,900	\$ 11,341	\$ 1,757,395	\$ 49,333	32.5%	\$ 571,153	\$ 16,033			
								High Quality	Lower Fine	20%	15.8	4.350	4,000	\$ 4,999	7,200	\$ 9,000	\$ 8,351	\$ 340,633	\$ 32,550	32.5%	\$ 175,276	\$ 11,071			
								Commercial	High Commercial	3%	2.4	4.350	4,000	\$ 4,999	4,065	\$ 5,525	\$ 4,577	\$ 47,279	\$ 19,908	32.5%	\$ 15,366	\$ 6,470	\$ 3,612		
								Commercial	Medium Commercial	4%	3.2	4.350	4,000	\$ 4,999	1,950	\$ 2,600	\$ 2,178	\$ 29,997	\$ 9,473	32.5%	\$ 9,749	\$ 3,079			
								Commercial	Low Commercial	3%	2.4	4.350	4,000	\$ 4,999	935	\$ 1,224	\$ 1,224	\$ 10,706	\$ 4,508	32.5%	\$ 3,480	\$ 1,445			
14 Carat	14.000	123	1,723	0.489%	29%	4.06	500	High Quality	Upper Extra Fine	10%	12.3	4.060	3,000	\$ 3,999	16,650	\$ 21,000	\$ 21,253	\$ 1,061,678	\$ 82,829	32.5%	\$ 345,045	\$ 28,044	\$ 13,601		
								High Quality	Lower Extra Fine	15%	18.5	4.060	3,000	\$ 3,999	10,500	\$ 13,700	\$ 13,895	\$ 1,041,182	\$ 56,415	32.5%	\$ 338,384	\$ 18,335			
								High Quality	Upper Fine	45%	55.4	4.060	3,000	\$ 3,999	6,750	\$ 8,200	\$ 8,289	\$ 1,183,180	\$ 36,531	32.5%	\$ 605,534	\$ 10,937			
								High Quality	Lower Fine	20%	24.6	4.060	3,000	\$ 3,999	5,625	\$ 6,625	\$ 6,686	\$ 678,792	\$ 27,145	32.5%	\$ 217,094	\$ 8,822			
								Commercial	High Commercial	3%	3.7	4.060	3,000	\$ 3,999	\$ 3,190	\$ 4,375	\$ 4,447	\$ 66,648	\$ 18,056	32.5%	\$ 21,661	\$ 5,868	\$ 3,202		
								Commercial	Medium Commercial	4%	4.9	4.060	3,000	\$ 3,999	\$ 1,455	\$ 2,000	\$ 2,033	\$ 40,628	\$ 8,255	32.5%	\$ 13,204	\$ 2,683			
								Commercial	Low Commercial	3%	3.7	4.060	3,000	\$ 3,999	\$ 664	\$ 914	\$ 930	\$ 13,931	\$ 3,000	32.5%	\$ 4,528	\$ 1,227			
13 Carat	13.000	190	2,471	0.988%	28%	3.64	692	High Quality	Upper Extra Fine	10%	19.0	3.640	3,000	\$ 3,999	\$ 16,650	\$ 21,000	\$ 19,509	\$ 14,399,665	\$ 7,102	32.5%	\$ 484,641	\$ 23,079	\$ 11,228		
								High Quality	Lower Extra Fine	15%	28.5	3.640	3,000	\$ 3,999	\$ 10,500	\$ 13,700	\$ 11,653	\$ 1,713,959	\$ 39,155	32.5%	\$ 557,037	\$ 12,725			
								High Quality	Upper Fine	45%	85.5	3.640	3,000	\$ 3,999	\$ 6,750	\$ 8,200	\$ 7,279	\$ 2,390,626	\$ 27,951	32.5%	\$ 776,953	\$ 9,084			
								High Quality	Lower Fine	20%	38.0	3.640	3,000	\$ 3,999	\$ 5,625	\$ 6,625	\$ 6,266	\$ 866,950	\$ 28,807	32.5%	\$ 281,759	\$ 7,412			
								Commercial	High Commercial	3%	5.7	3.640	3,000	\$ 3,999	\$ 3,190	\$ 4,375	\$ 3,949	\$ 81,964	\$ 14,375	32.5%	\$ 26,638	\$ 4,672	\$ 2,548		
								Commercial	Medium Commercial	4%	7.6	3.640	3,000	\$ 3,999	\$ 1,455	\$ 2,000	\$ 1,804	\$ 49,926	\$ 6,547	32.5%	\$ 16,226	\$ 2,134			
								Commercial	Low Commercial	3%	5.7	3.640	3,000	\$ 3,999	\$ 664	\$ 914	\$ 916	\$ 28,106	\$ 3,000	32.5%	\$ 4,560	\$ 975			
12 Carat	12.000	292	3,502	1.401%	28%	3.36	981	High Quality	Upper Extra Fine	10%	29.2	3.360	3,000	\$ 3,999	\$ 16,650	\$ 21,000	\$ 18,345	\$ 1,798,851	\$ 61,641	32.5%	\$ 564,626	\$ 20,033	\$ 9,770		
								High Quality	Lower Extra Fine	15%	43.8	3.360	3,000	\$ 3,999	\$ 10,500	\$ 13,700	\$ 11,653	\$ 1,713,959	\$ 39,155	32.5%	\$ 557,037	\$ 12,725			
								High Quality	Upper Fine	45%	131.3	3.360	3,000	\$ 3,999	\$ 6,750	\$ 8,200	\$ 7,273	\$ 2,308,250	\$ 24,436	32.5%	\$ 1,042,910</				

	Cut Gem Wholesale	Rough Wholesale
Average per cut carat	\$ 3,292	Cut \$ 930
Qty Cut Cts	65,092	65,092
Average per uncut carat	\$ 857	Uncut \$ 242

## Cut / Faceted Ruby Wholesale Price Data (Per Carat)

Analysis by wombat777, hotcopper

Data sourced from Mustang Q3 2016 Quarterly, 2016 prices. These are the [per carat](#) wholesale prices for cut rubies. To work back to prices of rough ruby, a "reserve price" ratio (%) is used to calculate rough ruby price as a proportion of cut ruby. See page 1 of this analysis for assumed reserve ratios.

Carats		Low Commercial		Medium Commercial (Lower Good)		High Commercial (Upper Good)		Lower Fine		Upper Fine		Lower Extra Fine		Upper Extra Fine	
Size Min	Size Max	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High
0.020	0.099	\$ 44.47	\$ 64.80	\$ 65.00	\$ 90.00	\$ 125.00	\$ 140.00	\$ 280.00	\$ 315.00	\$ 345.00	\$ 440.00	\$ 440.00	\$ 440.00	\$ 440.00	\$ 750.00
0.100	0.249	\$ 54.70	\$ 106.78	\$ 95.00	\$ 155.00	\$ 165.00	\$ 225.00	\$ 280.00	\$ 345.00	\$ 375.00	\$ 440.00	\$ 440.00	\$ 565.00	\$ 565.00	\$ 815.00
0.250	0.499	\$ 109.76	\$ 153.85	\$ 150.00	\$ 200.00	\$ 205.00	\$ 260.00	\$ 300.00	\$ 720.00	\$ 840.00	\$ 1,080.00	\$ 1,800.00	\$ 1,800.00	\$ 1,800.00	\$ 3,000.00
0.500	0.999	\$ 220.03	\$ 382.11	\$ 445.00	\$ 660.00	\$ 900.00	\$ 1,140.00	\$ 1,360.00	\$ 1,680.00	\$ 1,800.00	\$ 2,400.00	\$ 2,400.00	\$ 3,720.00	\$ 3,720.00	\$ 4,500.00
1.000	1.999	\$ 302.59	\$ 375.56	\$ 595.00	\$ 780.00	\$ 1,170.00	\$ 1,620.00	\$ 1,980.00	\$ 2,400.00	\$ 2,400.00	\$ 3,600.00	\$ 4,800.00	\$ 6,600.00	\$ 6,600.00	\$ 8,100.00
2.000	2.999	\$ 465.52	\$ 600.39	\$ 900.00	\$ 1,170.00	\$ 1,740.00	\$ 2,280.00	\$ 3,000.00	\$ 4,800.00	\$ 5,400.00	\$ 7,200.00	\$ 7,200.00	\$ 10,200.00	\$ 10,750.00	\$ 13,200.00
3.000	3.999	\$ 663.64	\$ 914.29	\$ 1,455.00	\$ 2,000.00	\$ 3,190.00	\$ 4,375.00	\$ 5,625.00	\$ 6,625.00	\$ 6,750.00	\$ 8,200.00	\$ 10,500.00	\$ 13,700.00	\$ 16,850.00	\$ 21,000.00
4.000	4.999	\$ 935.42	\$ 1,223.53	\$ 1,950.00	\$ 2,600.00	\$ 4,065.00	\$ 5,525.00	\$ 7,200.00	\$ 9,000.00	\$ 10,500.00	\$ 12,900.00	\$ 14,200.00	\$ 19,200.00	\$ 22,600.00	\$ 25,200.00
5.000	7.999	\$ 910.46	\$ 2,335.44	\$ 2,295.00	\$ 4,160.00	\$ 5,785.00	\$ 7,410.00	\$ 9,800.00	\$ 12,500.00	\$ 13,500.00	\$ 17,900.00	\$ 19,900.00	\$ 25,700.00	\$ 27,625.00	\$ 35,900.00

	Low	High
Carat Size Range	5.000	7.999
Upper Extra Fine	\$ 27,625.00	\$ 35,900.00
Lower Extra Fine	\$ 19,900.00	\$ 25,700.00
Upper Fine	\$ 13,500.00	\$ 17,900.00
Lower Fine	\$ 9,800.00	\$ 12,500.00
High Commercial (Upper Good)	\$ 5,785.00	\$ 7,410.00
Medium Commercial (Lower Good)	\$ 2,295.00	\$ 4,160.00
Low Commercial	\$ 910.46	\$ 2,335.44

At the 1 September General Meeting, I asked CG about how "Lower Good" and "Upper Good" in this sub-faceted pricing table would relate back to the "Commercial Quality" grading they are using for pre-sorting. He indicated that there would need to be another lower price grouping. Therefore I have proportionally created a lower-price group "Low Commercial" to account for the wider price ranges needed for Commercial Quality rough rubies.

Note - Mustang are pre-grading rubies into Commercial Quality and High Quality lots at the mine site. The lots will then be transferred to Mauritius for the final sorting into the more precise grades used at the bourse!

	Low	High
Carat Size Range	4.000	4.999
Upper Extra Fine	\$ 22,600.00	\$ 26,200.00
Lower Extra Fine	\$ 14,250.00	\$ 19,200.00
Upper Fine	\$ 10,500.00	\$ 12,900.00
Lower Fine	\$ 7,200.00	\$ 9,000.00
High Commercial (Upper Good)	\$ 4,065.00	\$ 5,525.00
Medium Commercial (Lower Good)	\$ 1,950.00	\$ 2,600.00
Low Commercial	\$ 935.42	\$ 1,223.53

	Low	High
Carat Size Range	3.000	3.999
Upper Extra Fine	\$ 14,850.00	\$ 21,000.00
Lower Extra Fine	\$ 10,500.00	\$ 13,700.00
Upper Fine	\$ 6,750.00	\$ 8,200.00
Lower Fine	\$ 5,625.00	\$ 6,625.00
High Commercial (Upper Good)	\$ 3,190.00	\$ 4,375.00
Medium Commercial (Lower Good)	\$ 1,455.00	\$ 2,000.00
Low Commercial	\$ 663.64	\$ 914.29

	Low	High
Carat Size Range	2.000	2.999
Upper Extra Fine	\$ 10,750.00	\$ 13,200.00
Lower Extra Fine	\$ 7,200.00	\$ 10,200.00
Upper Fine	\$ 5,400.00	\$ 7,200.00
Lower Fine	\$ 3,000.00	\$ 4,800.00
High Commercial (Upper Good)	\$ 1,740.00	\$ 2,280.00
Medium Commercial (Lower Good)	\$ 900.00	\$ 1,170.00
Low Commercial	\$ 465.52	\$ 600.39

	Low	High
Carat Size Range	1.000	1.999
Upper Extra Fine	\$ 6,600.00	\$ 8,100.00
Lower Extra Fine	\$ 3,600.00	\$ 4,800.00
Upper Fine	\$ 2,640.00	\$ 3,600.00
Lower Fine	\$ 1,980.00	\$ 2,400.00
High Commercial (Upper Good)	\$ 1,170.00	\$ 1,620.00
Medium Commercial (Lower Good)	\$ 595.00	\$ 780.00
Low Commercial	\$ 302.59	\$ 375.56

	Low	High
Carat Size Range	0.500	0.999
Upper Extra Fine	\$ 3,720.00	\$ 4,500.00
Lower Extra Fine	\$ 2,400.00	\$ 3,720.00
Upper Fine	\$ 1,800.00	\$ 2,400.00
Lower Fine	\$ 1,360.00	\$ 1,680.00
High Commercial (Upper Good)	\$ 900.00	\$ 1,140.00
Medium Commercial (Lower Good)	\$ 445.00	\$ 660.00
Low Commercial	\$ 220.00	\$ 392.11

	Low	High
Carat Size Range	0.250	0.499
Upper Extra Fine	\$ 1,800.00	\$ 3,000.00
Lower Extra Fine	\$ 1,080.00	\$ 1,800.00
Upper Fine	\$ 840.00	\$ 1,080.00
Lower Fine	\$ 500.00	\$ 720.00
High Commercial (Upper Good)	\$ 205.00	\$ 260.00
Medium Commercial (Lower Good)	\$ 150.00	\$ 200.00
Low Commercial	\$ 109.76	\$ 153.85

	Low	High
Carat Size Range	0.100	0.249
Upper Extra Fine	\$ 565.00	\$ 815.00
Lower Extra Fine	\$ 440.00	\$ 565.00
Upper Fine	\$ 375.00	\$ 440.00
Lower Fine	\$ 280.00	\$ 345.00
High Commercial (Upper Good)	\$ 165.00	\$ 225.00
Medium Commercial (Lower Good)	\$ 95.00	\$ 155.00
Low Commercial	\$ 54.70	\$ 106.78

	Low	High
Carat Size Range	0.020	0.099
Upper Extra Fine	\$ 440.00	\$ 750.00
Lower Extra Fine	\$ 345.00	\$ 440.00
Upper Fine	\$ 440.00	\$ 565.00
Lower Fine	\$ 140.00	\$ 280.00
High Commercial (Upper Good)	\$ 95.00	\$ 125.00
Medium Commercial (Lower Good)	\$ 65.00	\$ 90.00
Low Commercial	\$ 44.47	\$ 64.80