21.8.1 Three Hills Process and Support Services Operating Costs

Process operating cost requirements for Three Hills were estimated by KCA based upon unit consumption, and, where possible, have been broken down by area. The annual operating cost for the process, laboratory, and service and support was estimated by KCA to be $2.49 per ton of ore. MDA applied these costs using fixed and variable portions through the life of mine, which includes final rinsing of the leach pad at the end of processing. The resulting life of mine processing cost for Three Hills is $2.62 per ton of ore.

Process operating costs for the project have been estimated from first principles. Labor costs were estimated using project specific staffing, salary, wage, and benefit requirements. Unit consumption of materials, supplies, power, water, and delivered supply costs were also estimated.

The process operating costs presented are based upon ownership of all process production equipment and site facilities (some mobile equipment including dozer for the heap leach to be supplied by the mining contractor), as well as the Owner employing and directing all operating, maintenance, and support personnel.

The process operating costs have been estimated without contingency allowances and are considered to have an accuracy range of +/- 15% for the laboratory and recovery plant, and +/- 25% for all other areas.

Operating costs estimates have been based upon information obtained from the following sources:

- Project metallurgical tests and process engineering;
- Budgetary quotations from potential suppliers of project operating and maintenance supplies and materials;
- Recent KCA project file data;
- Experience of KCA staff with other similar operations;

Where specific data do not exist, cost allowances have been based upon consumption and operating data from other similar properties for which reliable data exists. Freight costs have been estimated where delivered prices were not available.

All operating costs are presented in 4th quarter 2014 US dollars. These operating costs do not include Nevada sales tax.

Table 21.19 shows the process and support services operating costs by area.

Table 21.19 Three Hills Process and Support Operating Costs

	Units	Qty	Unit Costs, USD	Annual Costs, USD	USD per Ton Ore
Labor					
Process	ea	30		$2,239,075	$0.41
Lab	ea	12		$812,240	$0.15
SUBTOTAL				**$3,051,315**	**$0.56**
Water Supply & Distribution					
Supply	gal/d	460,000	$0.003	$571,320	$0.10
Power	kWh/ton	0.09	$0.280	$137,970	$0.03
Maintenance Supplies	lot			$50,000	$0.01
SUBTOTAL				**$759,290**	**$0.14**
Heap Leach Pad & Ponds					
Power	kWh/ton	0.62	$0.280	$947,862	$0.17
Piping	lot			$219,000	$0.04
Maintenance Supplies	lot			$50,000	$0.01
Dozer (supplied by mining contractor)					
SUBTOTAL				**$1,216,863**	**$0.22**
Adsorption					
Power	kWh/ton	0.00	$0.280	$1,166	$0.00
Misc. Operating Supplies	lot			$100,000	$0.02
Maintenance Supplies	lot			$100,000	$0.02
SUBTOTAL				**$201,166**	**$0.04**
Desorption & Recovery					
Power	kWh/ton	0.18	$0.280	$273,570	$0.05
Misc. Operating Supplies	lot			$200,000	$0.04
Maintenance Supplies	lot			$100,000	$0.02
Sodium Hydroxide	lbs/day	404.0	$ 0.47	$68,357	$0.01
Hydrochloric Acid @ 28-30%	gal/day	95	$ 2.10	$71,820	$0.01
Soda Ash	lbs/day	4.9	$ 0.24	$427	$0.000
Borax	lbs/day	13.2	$ 0.52	$2,471	$0.000
Silica	lbs/day	8.2	$ 2.95	$8,730	$0.002
Niter	lbs/day	6.6	$ 0.91	$2,149	$0.000
Safety Supplies	lot			$50,000	$0.01
Diesel Fuel	gal/day	305.0	$ 2.50	$278,313	$0.05
SUBTOTAL				**$1,055,837**	**$0.19**
Reagents					
Power	kWh/t	0.00	$0.280	$2,356	$0.00
Cyanide (Ore Consumption)	lbs/t	0.45	$1.31	$3,228,005	$0.59
Carbon	lbs/wk	868	$ 1.20	$374,976	$0.07
Lime	lbs/t	4	$ 0.08	$1,850,550	$0.34
Anti-Scalant	gal/day	65.0	$ 20.85	$487,890	$0.09
Safety Supplies	lot			$50,000	$0.01
Misc. Operating Supplies	lot			$30,000	$0.01
Maintenance Supplies	lot			$50,000	$0.01
SUBTOTAL				**$6,073,777**	**$1.11**
Laboratory					

	Units	Qty	Unit Costs, USD	Annual Costs, USD	USD per Ton Ore
Power	kWh/t	0.18	$0.280	$277,312	$0.05
Assays, Solids	No./day	100	$7.00	$252,000	$0.05
Assays, Solutions	No./day	100	$1.00	$36,000	$0.01
Carbon Assay	No./day	5	$7.00	$12,600	$0.00
Consumables	Per Year			$50,000	$0.01
SUBTOTAL				**$627,912**	**$0.11**
Mobile Equipment / Support Services					
Power	kWh/t	0.10	$0.280	$158,988	$0.03
Maintenance Supplies	lot			$10,000	$0.002
Fork lift	hrs/d	12	$11.43	$49,378	$0.009
Maintenance Trucks	hrs/d	12	$12.19	$52,661	$0.010
Crane (40-t)	hrs/month	4	$29.73	$1,427	$0.000
boomtruck 10 t crane	hrs/d	6	$23.20	$50,112	$0.009
Telehandler	hrs/d	4	$20.00	$28,800	$0.005
Back Hoe	hrs/d	4	$20.49	$29,506	$0.005
Pick Ups	hrs/d	40	$18.56	$267,264	$0.049
SUBTOTAL				**$648,135**	**$0.12**
TOTAL COST (Excluding Sales Tax)				**$13,634,296**	**$2.49**

21.8.1.1 Three Hills Process Personnel and Staffing

Staffing requirements for process and administration have been estimated by KCA with input from West Kirkland and H.C. Osborne and Associates. Wage, salary, and burden information for personnel was provided by West Kirkland and has been included in the wage and salary data. Staffing levels, wages, and wage burdens of several operating mines in the area have been reviewed by management and found to accurately reflect current costs.

The work force will consist of approximately 30 persons in the plant areas and 12 persons in the laboratory. Yearly staffing costs for the process plant are estimated at $2,200,000 and laboratory at $812,000.

21.8.1.2 Three Hills Power

Power usage for the process and process-related infrastructure was derived from estimated connected loads assigned to powered equipment from the mechanical equipment list. Equipment power demands under normal operation were assigned and coupled with estimated on-stream times to determine the average energy usage and cost.

The total attached power for the process and infrastructure is estimated at 1.4 MW, with an average draw of 0.9 MW. The total consumed power for these areas is approximately 1.15 kWh/ton ore. Power generation costs, based on a quote from Aggreko, are estimated to be US$0.28/kWh. Emergency power will be provided by an onsite generator.

Power requirements are presented in Table 21.20.

Table 21.20 Three Hills Process Power and Consumption

Area / Description	Attached Power (kW)	Average Demand (kW)
Area 4301 - Water Supply & Distribution	150	56
Area 5150 - Heap Leach & Solution Handling	526	428
Area 5184 - Adsorption	5	4
Area 5184 - Acid Wash & Elution	31	24
Area 5186 - Electrowinning & Refining	215	160
Area 5184 - Carbon Handling & Regeneration	67	53
Area 6051 - Reagents	7	5
Area 1403 - Laboratory	234	108
Ancillaries	194	82
Total	**1,428**	**921**

21.8.1.3 Three Hills Consumable Items

Operating supplies costs have been estimated based upon unit costs and consumption rates predicted by metallurgical tests, and have been broken down by area. Freight costs have been included. Reagent consumptions have been derived from test work and from the Design Criteria. Other costs have been estimated from past KCA experience with similar operations. Consumable quantities are summarized in Table 21.21.

Table 21.21 Three Hills Process Consumable Items

Item	Form	Storage Capacity	Annual Consumption
Lime	Bulk	150 tons	10,950 tons
Sodium Cyanide (30%)	30% Liquid Delivered	12.3 tons	1,230 tons
Activated Carbon	1,100 lbs Super sack	22 tons	23 tons
Diesel	Bulk Delivery Truck	1,791 gal	111,300 gal
Antiscalant	Liquid Tote, 240 gal bins	8 totes (1,920 gal)	23,400 gal
Hydrochloric Acid (28-32%)	240 gal Liquid Tote Bins	6 totes (1,440 gal)	34,200 gal
Sodium Hydroxide	50% Liquid Delivered	15.3 tons	73 tons
Silica	Dry Solid Sacks	1 ton	1.5 tons
Borax	Dry Solid Sacks	2 tons	2.4 tons
Soda Ash	Dry Solid Sacks	1 ton	0.9 tons
Niter	Dry Solid Sacks	1 ton	1.2 tons

Operating costs for these items have been distributed based on tonnage and gold production, or smelting batches, as appropriate.

Three Hills Heap Leach Consumables

Pipes, Fittings and Emitters – The heap pipe costs include expenses for broken pipe, fittings and valves, and abandoned tubing. The heap pipe costs are estimated to be $0.04/ton of ore, and are based on previous detailed studies conducted by KCA on similar projects.

Sodium Cyanide (NaCN) – Delivered sodium cyanide is quoted at $1.31/lb. Cyanide is consumed in the heap leach and ADR. Cyanide consumption for the heap is 0.45 lb/ton of ore.

Lime – Pebble lime is added to the heap at 4lb/ton of ore for pH control based on metallurgical test work evaluations. A delivered price of $0.08/lb has been used based on a budgetary quotation.

Antiscale Agent (Scale Inhibitor) – Antiscalant consumption is based on an average dosage rate of 6 ppm to the suctions of the barren and pregnant pumps. A delivered price of $20.85/gal was has been used based on a supplier quote.

Three Hills Process Consumables

Carbon – Carbon is used for the adsorption of gold from the pregnant solution in the ADR and is estimated to be consumed at an average of 23 tons per year. Carbon is quoted at $1.20/lb.

Caustic Soda (NaOH) – Caustic NaOH consumption is estimated to be 73 tons per year and is quoted at $0.47/lb. Caustic consumption is calculated based on the number of strips per year and varies based on metal production.

Hydrochloric Acid - Hydrochloric acid consumption for the ADR circuit is estimated to be 34,200 gal/year. Hydrochloric acid for the carbon acid wash circuit is based on a supplier quote at $2.10/gal. Hydrochloric acid consumption is based on 41 gal of acid per ton of carbon stripped and varies based on metal production.

Smelting Fluxes - It has been estimated that l.0lb of mixed fluxes will be required per pound of precious metal precipitate produced. The estimated delivered cost of fluxes, which includes borax, silica, niter, and soda ash, is $1.16/lb, which is based on data from similar previous KCA projects.

21.8.1.4 Three Hills Laboratory

Fire assaying and solution assaying of samples will be conducted in the on-site laboratory. It is estimated that each day approximately 100 solids assays at $7/assay, and 100 solutions assays at $1/assay, will be performed. The cost of an assay only includes supplies; the associated labor cost is included under Labor in the operating costs.

21.8.1.5 Three Hills Fuel

The primary fuel source for the project will be diesel fuel and LNG. Diesel will be used by mobile equipment and the boiler, kiln and backup generator. Diesel price has been assumed to be $2.50/gal. LNG will be used in the main generator for power supply to Three Hills.

Fuel costs for mobile equipment have been included in the hourly operating costs for these units.

21.8.1.6 Three Hills Mobile Equipment

Numerous pieces of support equipment are required for the processing areas. The costs to operate and maintain this equipment have been estimated primarily using published information. Otherwise, allowances have been made based upon experience in similar operations.

Support equipment annual operating costs have been estimated to average $479,000 per year, or $0.09/ton of ore. Table 21.22 presents the support equipment operating costs.

Table 21.22 Support Equipment Operating Costs – Three Hills

	Units	Qty	Unit Costs, USD	Costs, USD	USD per Ton Ore
Fork lift	hrs/d	12	$11.43	$49,378	$0.009
Maintenance Trucks	hrs/d	12	$12.19	$52,661	$0.010
Crane (40ton)	hrs/month	4	$29.73	$1,427	$0.000
boomtruck 10ton crane	hrs/d	6	$23.20	$50,112	$0.009
Telehandler	hrs/d	4	$20.00	$28,800	$0.005
Back Hoe	hrs/d	4	$20.49	$29,506	$0.005
Pick Ups	hrs/d	40	$18.56	$267,264	$0.049
TOTAL				**$479,147**	**$0.09**

21.8.1.7 Three Hills Repair Materials

Overhaul and maintenance costs of equipment, along with miscellaneous operating supplies for each area, were based on a unit cost per ton of material processed. The unit cost for each area was developed from data obtained from other similar operations.

Maintenance and repair costs for all areas are estimated to average $0.14 per ton of ore.

21.8.2 Hasbrouck Process and Support Services Operating Costs

Process operating cost requirements for the Hasbrouck Mine were estimated by KCA based upon unit consumption, and, where possible, have been broken down by area. Operation of the laboratory, desorption and recovery circuits will occur at the Three Hills Mine; costs for the operation of these facilities, including consumables and maintenance, have been included in the Hasbrouck operating costs. First year operating cost for the process, laboratory, and service and support is $3.88 per ton of ore processed and the remaining annual operating cost is $4.07 per ton of ore processed. MDA applied these costs using fixed and variable portions through the

life-of-mine, which includes final rinsing of the leach pad at the end of processing. The resulting life-of-mine processing cost for Hasbrouck was $4.12 per ton of ore. The increase in operating cost per ton is a function of applying the fixed costs through the end of mine rinsing of the leach pad.

Process operating costs for the project have been estimated from first principles. Labor costs are estimated using project specific staffing, salary, wage, and benefit requirements. Unit consumption of materials, supplies, power, water, and delivered supply costs are also estimated.

Operating costs are based upon ownership of all process production equipment and site facilities (some mobile equipment including the crushing area loader and the dozer for the heap leach will be supplied by the mining contractor), as well as the owner employing and paying for all operating, maintenance, and support personnel.

Operating costs have been estimated and are presented without contingency allowances and are considered to have an accuracy range of +/- 15% for the laboratory and recovery plant, and +/- 25% for all other areas.

Operating costs estimates have been based upon information obtained from the following sources:

- Project metallurgical test work and process engineering;
- Budgetary quotations from potential suppliers of project operating and maintenance supplies and materials;
- Recent KCA project file data; and
- Experience of KCA staff with other similar operations.

Where specific data does not exist, cost allowances have been based upon consumption and operating requirements from other similar properties for which reliable data exists. Freight costs have been estimated where delivered prices were not available.

All costs are presented in 4th quarter 2014 US dollars. These costs do not include Nevada sales tax.

Table 21.23 Shows the process and support services operating costs by area.

Table 21.23 Hasbrouck Process & Support Operating Cost

		Year 1	Years 2 On		Year 1	Years 2 On	Year 1	Years 2 On
	Units	Qty	Qty	Unit Costs	Annual Costs	Annual Costs	USD	USD
				USD	USD	USD	per Ton Ore	per Ton Ore
Labor								
Process	ea	56	52		$4,344,916	$4,049,556	$0.69	$0.64
Lab	ea	12	12		$812,240	$812,240	$0.13	$0.13
SUBTOTAL					**$5,157,156**	**$4,861,796**	**$0.82**	**$0.77**
Water Supply & Distribution								
Supply	gal/d	430,000	430,000	$0.00	$534,060	$534,060	$0.08	$0.08
Power	kWh/ton	0.12	0.12	$0.06	$47,771	$47,771	$0.01	$0.01
Maintenance Supplies	lot				$58,590	$58,590	$0.01	$0.01
SUBTOTAL					**$640,421**	**$640,421**	**$0.10**	**$0.10**
Crushing								
Power	kWh/ton	3.57	3.57	$0.06	$1,403,924	$1,403,924	$0.22	$0.22
Wear	$/ton Ore				$2,444,346	$3,958,067	$0.39	$0.63
Overhaul & Maintenance	lot				$756,000	$756,000	$0.12	$0.12
992 Loader (supplied by mine contractor)	hrs/d							
SUBTOTAL					**$4,604,271**	**$6,117,992**	**$0.73**	**$0.97**
Conveying, Agglomeration & Stacking								
Power	kWh/ton	1.35	1.35	$0.06	$532,204	$532,204	$0.08	$0.08
Foam Dust Suppression					$189,000	$189,000	$0.03	$0.03
Maintenance Supplies	lot				$378,000	$378,000	$0.06	$0.06
SUBTOTAL					**$1,099,204**	**$1,099,204**	**$0.17**	**$0.17**
Heap Leach Pad & Ponds								
Power	kWh/ton	0.37	0.37	$0.06	$143,745	$143,745	$0.02	$0.02
Piping	lot				$252,000	$252,000	$0.04	$0.04
Pad Gravel (haul and spread only)	ton	-	-	$2.00				
Maintenance Supplies	lot				$126,000	$126,000	$0.02	$0.02
Dozer	hrs/d	6	6	$75.29	$162,626	$162,626	$0.03	$0.03
SUBTOTAL					**$684,372**	**$684,372**	**$0.11**	**$0.11**
Adsorption								
Power	kWh/ton	0	0	$0.06	$685	$685	$0.00	$0.00
Misc. Operating Supplies	lot				$50,000	$50,000	$0.01	$0.01
Maintenance Supplies	lot				$50,000	$50,000	$0.01	$0.01
SUBTOTAL					**$100,685**	**$100,685**	**$0.02**	**$0.02**
Desorption & Recovery (At Three Hills)								
Carbon Transport	hauls/d	1	1	$10.00	$3,600	$3,600	$0.00	$0.00
Power	kWh/ton	0.18	0.18	$0.26	$292,291	$292,291	$0.05	$0.05

	Units	Year 1 Qty	Years 2 On Qty	Unit Costs USD	Year 1 Annual Costs USD	Years 2 On Annual Costs USD	Year 1 USD per Ton Ore	Years 2 On USD per Ton Ore
Misc. Operating Supplies	lot				$200,000	$200,000	$0.03	$0.03
Maintenance Supplies	lot				$100,000	$100,000	$0.02	$0.02
Sodium Hydroxide	lbs/day	516	516	$0.47	$87,307	$87,307	$0.01	$0.01
Hydrochloric Acid @ 28-30%	gal/day	122	122	$2.10	$92,232	$92,232	$0.01	$0.01
Soda Ash	lbs/day	13.7	13.7	$0.24	$1,186	$1,186	$0.00	$0.00
Borax	lbs/day	36.4	36.4	$0.52	$6,836	$6,836	$0.00	$0.00
Silica	lbs/day	22.8	22.8	$2.95	$24,200	$24,200	$0.00	$0.00
Niter	lbs/day	18.2	18.2	$0.91	$5,944	$5,944	$0.00	$0.00
Safety Supplies	lot				$50,000	$50,000	$0.01	$0.01
Diesel Fuel	gal/day	366.9	366.9	$2.50	$334,796	$334,796	$0.05	$0.05
SUBTOTAL					**$1,198,392**	**$1,198,392**	**$0.19**	**$0.19**
Reagents								
Power at Hasbrouck	kWh/ton	0	0	$0.06	$24	$24	$0.00	$0.00
Power at Three Hills	kWh/ton	0	0	$0.26	$6,516	$6,516	$0.00	$0.00
Cyanide (Ore Consumption)	lbs/ton	0.75	0.75	$1.31	$6,190,695	$6,190,695	$0.98	$0.98
Carbon	lbs/wk	1106	1106	$1.20	$477,792	$477,792	$0.08	$0.08
Cement	lbs/ton	5	5	$0.08	$2,362,500	$2,362,500	$0.38	$0.38
Anti-Scalant	gal/day	65	65	$20.85	$487,890	$487,890	$0.08	$0.08
Safety Supplies	lot				$50,000	$50,000	$0.01	$0.01
Misc. Operating Supplies	lot				$28,980	$28,980	$0.00	$0.00
Maintenance Supplies	lot				$31,500	$31,500	$0.01	$0.01
SUBTOTAL					**$9,635,897**	**$9,635,897**	**$1.53**	**$1.53**
Laboratory (At Three Hills)								
Power	kWh/ton	0.18	0.18	$0.26	$257,109	$257,109	$0.04	$0.04
Assays, Solids	No./day	100	100	$7.00	$252,000	$252,000	$0.04	$0.04
Assays, Solutions	No./day	100	100	$1.00	$36,000	$36,000	$0.01	$0.01
Carbon Assay	No./day	5	5	$7.00	$12,600	$12,600	$0.00	$0.00
Consumables	Per Year				$65,000	$65,000	$0.01	$0.01
SUBTOTAL					**$622,709**	**$622,709**	**$0.10**	**$0.10**
Mobile Equipment / Support Services								
Power at Hasbrouck	kWh/ton	0.01	0.01	$0.06	$5,198	$5,198	$0.00	$0.00
Power at Three Hills	kWh/ton	0.06	0.06	$0.26	$95,086	$95,086	$0.02	$0.02
Maintenance Supplies	lot				$10,000	$10,000	$0.00	$0.00
Fork lift	hrs/d	12	12	$11.43	$49,378	$49,378	$0.01	$0.01
Telehandler	hrs/d	4	4	$20.00	$28,800	$28,800	$0.01	$0.01
Maintenance Trucks	hrs/d	16	16	$12.19	$70,214	$70,214	$0.01	$0.01
Crane (40 ton)	hrs/month	12	12	$29.73	$4,281	$4,281	$0.00	$0.00
boomtruck 10 ton crane	hrs/d	6	6	$23.20	$50,112	$50,112	$0.01	$0.01

		Year 1	Years 2 On		Year 1	Years 2 On	Year 1	Years 2 On
	Units	Qty	Qty	Unit Costs	Annual Costs	Annual Costs	USD	USD
				USD	USD	USD	per Ton Ore	per Ton Ore
Back Hoe	hrs/d	8	8	$20.49	$59,011	$59,011	$0.01	$0.01
Pick Ups	hrs/d	50	50	$18.56	$334,080	$334,080	$0.05	$0.05
SUBTOTAL					**$706,160**	**$706,160**	**$0.11**	**$0.11**
TOTAL COST					**$25,487,456**		**$3.88**	**$4.07**

21.8.2.1 Hasbrouck Process Personnel and Staffing

Staffing requirements for process and administration personnel have been estimated by KCA with input from West Kirkland and review by H.C. Osborne & Associates. Wage, salary, and burden information for personnel was provided by West Kirkland, based on input from current data from mines operating in the region. Staffing levels, wages, and wage burdens of several operating mines in the region have been reviewed by management and found to reasonably reflect current costs.

The work force will initially consist of approximately 56 persons in the plant areas and 12 persons in the laboratory. It is expected that, after the first year of operation, fewer people will be required to operate the crushing circuit and the work force will consist of approximately 52 persons in the plant areas and 12 persons in the laboratory. The first year staffing costs for the process plant is estimated at $4,300,000 and for the laboratory at $812,000. The remaining life of mine yearly staffing cost for the process is estimated at $4,000,000 and for the laboratory at $812,000.

21.8.2.2 Hasbrouck Power

Power usage for the process and process-related infrastructure was derived from estimated connected loads assigned to powered equipment from the mechanical equipment list. Equipment power demands under normal operation were assigned and coupled with estimated on-stream times to determine the average energy usage and cost.

The total attached power for the process and infrastructure is estimated at 6.5 MW (including the strip and recovery plant at Three Hills), with an average draw of 4.0 MW. The total consumed power for these areas is estimated to be 5.8 kWh/ton of ore. Power costs at the Hasbrouck site are quoted by NV Energy at $0.0625/kWh. Emergency power will be provided by an onsite diesel or LNG generator.

Power requirements are presented in Table 21.24.

Table 21.24 Hasbrouck Process Power and Consumption

Area / Description	Attached Power (kW)	Average Demand (kW)
Area 4301 - Water Distribution	267	144
Area 5004 - Primary Crushing	409	218
Area 5023 - Secondary & Tertiary Crushing	3,268	2,041
Area 5041 - Ore Reclaim & Stacking	1,246	845
Area 5150 - Heap Leach & Solution Handling	533	396
Area 5184 - Adsorption	5	4
Area 5184 - Acid Wash & Elution (At Three Hills)	31	24
Area 5186 - Electrowinning & Refining (At Three Hills)	215	160
Area 5184 - Carbon Handling & Regeneration (At Three Hills)	67	53
Area 6051 - Reagents	7	3
Area 1403 - Laboratory (At Three Hills)	234	113
Ancillaries	224	89
Total	**6,506**	**4,091**

21.8.2.3 Hasbrouck Consumable Items

Operating supplies have been estimated based upon unit costs and consumption, where possible, and have been broken down by area. In the sections below the assumptions and unit costs associated with the development of the operating costs are presented. All freight costs have been included. Reagent consumptions are derived from test work and from the Design Criteria. Other costs were estimated from past KCA experience with similar operations. Table 21.25 shows the consumption of major consumables

Table 21.25 Process Consumable Items – Hasbrouck

Item	Form	Storage Capacity	Annual Consumption
Cement - Portland Type II	Bulk	100 tons	15,750 tons
Sodium Cyanide (30%)	30% Bulk Liquid Delivery	12.0 tons	2,400 tons
Activated Carbon	1,100 lbs Super sack	22 tons	30 tons
Diesel	Bulk Delivery Truck	1,791 gal	134,000 gal
Antiscalant	Liquid Tote, 240 gal bins	8 totes (1,920 gal)	23,400 gal
Hydrochloric Acid (32%)	240 gal Liquid Tote Bins	6 totes (1,440 gal)	44,000 gal
Sodium Hydroxide	50% Liquid Delivered	15.3 tons	93 tons
Silica	Dry Solid Sacks	1 ton	4.1 tons
Borax	Dry Solid Sacks	2 tons	6.6 tons
Soda Ash	Dry Solid Sacks	1 ton	2.5 tons
Niter	Dry Solid Sacks	1 ton	3.3 tons

Operating costs for these items have been distributed based on tonnage and gold production, or smelting batches, as appropriate.

Hasbrouck Heap Leach Consumables

Pipes, Fittings and Emitters – The heap pipe costs include expenses for broken pipe, fittings and valves, and abandoned tubing. The heap pipe costs are estimated to be $0.04/ton of ore, and are based on previous detailed studies conducted by KCA on similar projects.

Sodium Cyanide (NaCN) – Delivered sodium cyanide is quoted at $1.31/lb. Cyanide is consumed in the heap leach and ADR. Cyanide consumptions for the heap is 0.75lb/ton of ore.

Cement – Portland Type II cement is added to the heap at 5lb/ton for agglomeration and pH control based on metallurgical test work evaluations. A delivered price of $0.08/lb has been used based on supplier budgetary pricing.

Antiscale Agent (Scale Inhibitor) – Antiscale consumption is based on an average dosage rate of 6 ppm to the suctions of the barren and pregnant pumps. A delivered price of $20.85/gal has been used based on a supplier quote.

Hasbrouck Process Consumables

The Hasbrouck Project will utilize the ADR plant located at the Three Hills Project site. All process consumables will be stored and consumed at Three Hills.

Carbon – Carbon is used for the adsorption of gold from the pregnant solution in the ADR and is estimated to be consumed at an average of 30 tons per year. Carbon is quoted at $1.20/lb.

Loaded carbon is transported to the Three Hills ADR plant for stripping and refining; stripped carbon is regenerated and transferred back to Hasbrouck. The estimated cost for carbon transport is $10 per haul.

Caustic Soda (NaOH) – Caustic NaOH consumption is estimated to be 93 tons per year and is quoted at $0.47/lb. Caustic consumption is calculated based on the number of strips per year and varies based on metal production.

Hydrochloric Acid - Hydrochloric acid consumption for the ADR circuit is estimated to be 44,000 gal/year. Hydrochloric acid for the carbon acid wash circuit is supplied at a cost of $2.10/gal. Hydrochloric acid consumption is based on 41 gal of acid per ton carbon stripped and varies based on metal production.

Smelting Fluxes - It has been estimated that l.0 lb of mixed fluxes per lb of precious metal precipitate produced will be required. The estimated delivered cost of these fluxes, which includes borax, silica, niter, and soda ash, is $1.16/lb, which is based on data from similar previous KCA projects.

21.8.2.4 Hasbrouck Laboratory

Fire assaying and solution assaying of samples will be conducted at the Three Hills onsite laboratory. It is estimated that approximately 100 solids assays at $7/assay, 5 carbon assays at $7.00/assay, and 100 solutions assays at $1/assay, will be performed each day. The cost of an assay only includes supplies; the associated labor is included under Labor in the operating costs.

21.8.2.5 Hasbrouck Fuel

The primary fuel source for the project will be diesel fuel. Diesel will be used by the mobile equipment, as well as by the boiler and kiln at Three Hills, and the backup generator in the process area. Diesel is estimated at $2.50/gal.

Fuel costs for mobile equipment have been included in the hourly operating costs for these units.

21.8.2.6 Hasbrouck Spare HPGR Parts

It is recommended that a spare set of rolls for the HPGR be kept on site. A spare set of rolls has been included in the capital costs.

21.8.2.7 Hasbrouck Mobile Equipment

Numerous pieces of support equipment are required for the processing areas. The majority of the mobile equipment will be transferred to Hasbrouck from the Three Hills Mine and include light vehicles, a maintenance truck, forklifts, one 40-ton crane, a boom truck, a telehandler and a backhoe. The costs to operate and maintain each of these pieces of equipment have been estimated using primarily published information. Otherwise, allowances have been made based upon experience in similar operations.

Support equipment annual operating costs have been estimated to average $596,000 per year, or $0.09/ton of ore. Table 21.26 presents the Hasbrouck support equipment operating costs.

Table 21.26 Hasbrouck Support Equipment Operating Costs

	Units	Qty	Unit Costs, USD	Costs, USD	USD per Tonne Ore
Fork lift	hrs/d	12	$11.43	$49,378	$0.008
Telehandler	hrs/d	4	$20.00	$28,800	$0.005
Maintenance Trucks	hrs/d	16	$12.19	$70,214	$0.011
Crane (40 ton)	hrs/month	12	$29.73	$4,281	$0.001
boomtruck 10 ton crane	hrs/d	6	$23.20	$50,112	$0.008
Back Hoe	hrs/d	8	$20.49	$59,011	$0.009
Pick Ups	hrs/d	50	$18.56	$334,080	$0.053
TOTAL				**$595,876**	**$0.09**

21.8.2.8 Hasbrouck Repair Materials

Overhaul and maintenance of equipment, along with miscellaneous operating supplies for each area, were based on a unit cost per ton of material processed. The unit cost for each area was developed from data obtained from other operations, as applicable.

Maintenance and repair costs are estimated to average $0.92 per ton or ore.

21.9 Other Operating Costs

Other operating costs are included as general and administration costs and presented in Table 21.27. These costs are based on administration personnel required to manage operations as well as supplies, land holding fees, legal and auditing costs, site communication and IT costs, environmental compliance, surety bond, fees, licensing, travel, light vehicle, site maintenance, janitorial services, and office power. Cost bases were provided by West Kirkland and vendor quotations. West Kirkland inputs were primarily for personnel requirements and salaries, legal and auditing charges, and surety bond costs. Environmental and communication costs were provided by potential contractors that would provide these services. Total general and administration costs are estimated to be about $2,694,000 per year once Hasbrouck mining has started.

Table 21.27 General and Administration Costs

	Units	Yr -1	Yr 1	Yr 2	Yr 3	Yr 4	Yr 5	Yr 6	Yr 7	Yr 8	Yr 9	Yr 10	Yr 11	Yr 12	Total
Admin Salaried Personnel	K USD	$ 200	$ 469	$ 469	$ 469	$ 469	$ 469	$ 469	$ 469	$ 210	$ -	$ -	$ -	$ -	$ 3,695
Admin Hourly Personnel	K USD	$ 107	$ 336	$ 336	$ 336	$ 336	$ 336	$ 336	$ 336	$ 151	$ -	$ -	$ -	$ -	$ 2,610
Safety & Security Salaried Personnel	K USD	$ 45	$ 90	$ 90	$ 90	$ 90	$ 90	$ 90	$ 90	$ 40	$ -	$ -	$ -	$ -	$ 713
Safety & Security Hourly Personnel	K USD	$ 41	$ 82	$ 82	$ 82	$ 82	$ 82	$ 82	$ 82	$ 37	$ -	$ -	$ -	$ -	$ 654
Environmental Salaried Personnel	K USD	$ 55	$ 110	$ 110	$ 110	$ 110	$ 110	$ 110	$ 110	$ 50	$ -	$ -	$ -	$ -	$ 878
Environmental Hourly Personnel	K USD	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Recruitment Costs	K USD	$ 40	$ 40	$ 20	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 100
Total Personnel Costs	K USD	$ 488	$ 1,128	$ 1,108	$ 1,088	$ 1,088	$ 1,088	$ 1,088	$ 1,088	$ 488	$ -	$ -	$ -	$ -	$ 8,649
General G&A Costs															
Supplies & General Maintenance	K USD	$ 43	$ 144	$ 144	$ 144	$ 144	$ 144	$ 144	$ 144	$ 65	$ -	$ -	$ -	$ -	$ 1,116
Land Holdings	K USD	$ 35	$ 115	$ 115	$ 115	$ 115	$ 115	$ 115	$ 115	$ 52	$ -	$ -	$ -	$ -	$ 891
Off Site Overhead	K USD	$ 18	$ 60	$ 60	$ 60	$ 60	$ 60	$ 60	$ 60	$ 27	$ -	$ -	$ -	$ -	$ 465
Legal, Audits, Consulting	K USD	$ 14	$ 48	$ 48	$ 48	$ 48	$ 48	$ 48	$ 48	$ 22	$ -	$ -	$ -	$ -	$ 372
Computers, IT, Internet, Software, Hardware	K USD	$ 20	$ 66	$ 66	$ 66	$ 66	$ 66	$ 66	$ 66	$ 30	$ -	$ -	$ -	$ -	$ 511
Environmental, Montoring Wells, Reporting	K USD	$ 60	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200	$ 90	$ -	$ -	$ -	$ -	$ 1,550
Bond Surety Payments	K USD	$ 107	$ 107	$ 151	$ 241	$ 241	$ 241	$ 134	$ 134	$ 134	$ 134	$ 134	$ 134	$ 134	$ 2,028
Donations, Dues, PR	K USD	$ 9	$ 30	$ 30	$ 30	$ 30	$ 30	$ 30	$ 30	$ 13	$ -	$ -	$ -	$ -	$ 232
Fees, Licenses, Misc Taxes, Insurance	K USD	$ 72	$ 240	$ 240	$ 240	$ 240	$ 240	$ 240	$ 240	$ 108	$ -	$ -	$ -	$ -	$ 1,860
Travel, Lodging, Meals, Entertainment	K USD	$ 16	$ 54	$ 54	$ 54	$ 54	$ 54	$ 54	$ 54	$ 24	$ -	$ -	$ -	$ -	$ 418
Telephones, Computers, Cell Phones	K USD	$ 23	$ 78	$ 78	$ 78	$ 78	$ 78	$ 78	$ 78	$ 35	$ -	$ -	$ -	$ -	$ 604
Light Vehicle Maintenance, Fuel	K USD	$ 32	$ 108	$ 108	$ 108	$ 108	$ 108	$ 108	$ 108	$ 48	$ -	$ -	$ -	$ -	$ 837
Small Tools, Janitorial, Safety Supplies	K USD	$ 20	$ 66	$ 66	$ 66	$ 66	$ 66	$ 66	$ 66	$ 30	$ -	$ -	$ -	$ -	$ 511
Equipment Rentals	K USD	$ 18	$ 60	$ 60	$ 60	$ 60	$ 60	$ 60	$ 60	$ 27	$ -	$ -	$ -	$ -	$ 465
Access Road Maintenance	K USD	$ 14	$ 48	$ 48	$ 48	$ 48	$ 48	$ 48	$ 48	$ 22	$ -	$ -	$ -	$ -	$ 372
Office Power	K USD	$ 16	$ 53	$ 53	$ 49	$ 49	$ 49	$ 49	$ 49	$ 22	$ -	$ -	$ -	$ -	$ 387
Total General G&A Costs	K USD	$ 517	$ 1,476	$ 1,521	$ 1,607	$ 1,607	$ 1,607	$ 1,500	$ 1,500	$ 747	$ 134	$ 134	$ 134	$ 134	$ 12,620
Total G&A	K USD	$ 1,006	$ 2,604	$ 2,629	$ 2,694	$ 2,694	$ 2,694	$ 2,588	$ 2,588	$ 1,235	$ 134	$ 134	$ 134	$ 134	$ 21,270
Total G&A	$/t	$ -	$ 0.51	$ 0.45	$ 0.43	$ 0.43	$ 0.43	$ 0.41	$ 0.41	$ 0.44	$ -	$ -	$ -	$ -	$ 0.47

Reclamation costs were estimated based on BLM reclamation cost estimation ("RCE") spreadsheets prepared by Enviroscience. These costs were included in the cash-flow spreadsheets as a capital cost. Reclamation costs were estimated to be $5,326,000 and $6,721,000 for Three Hills and Hasbrouck respectively. One third of the Three Hills reclamation costs were applied to years 4 and 5 equally to reclaim some of the waste dumps and leach pads after final leaching of ore. The remaining two thirds of costs were applied to years 11 and 12 at the end of mine life to finalize reclamation of pits and pads as well as reclaiming processing facilities.

The reclamation costs for Hasbrouck were applied equally over the last 3 years of the mine life.

22.0 ECONOMIC ANALYSIS

MDA completed an economic analysis based on the cash flow developed from the production schedule and the capital and operating costs previously discussed. Table 22.1 summarizes project economics. These values are based on 100% of the project; West Kirkland has a 75% interest in the project and has the right to make an offer on the remaining 25%.

Table 22.1 Hasbrouck Project Economic Summary

	Units	Three Hills	Hasbrouck	Total Hasbrouck Project
Reserves (see "Reserves" tables 15.12, 15.13, and 15.14)				
Gold Grade	oz Au/ton (Au g/t)	0.018 (0.62)	0.017 (0.57)	0.017 (0.58)
Silver Grade	oz Ag/ton (Ag g/t)	-	0.297 (10.17)	0.233 (8.00)
Ore	million tons	9.7	35.6	45.3
Gold	kOz	175	588	762
Silver	kOz	-	10,569	10,569
Mining				
Annual Ore	million tons	4.8	6.3	6.1
Processing Rate	tons per day	15,000	17,500	16,531
Stripping Ratio	waste:ore	0.8:1	1.1:1	1.1:1
Processing				
Gold Recovery	%	79.00%	72.90%	74.30%
Silver Recovery	%	-	11.00%	11.00%
Gold Produced	kOz	138	429	567
Silver Produced	kOz	NA	1,163	1,163
Average Annual Gold Production	kOz	65	71	71
Average Annual Silver Production[2]	kOz	NA	194	194
Capital Costs				
Initial Capex (Three Hills build)	US$ million	54.3	-	-
Growth Capex (Hasbrouck build)	US$ million	-	83	-
Sustaining Capex	US$ million	-	7.3	-
LOM Capex	US$ million	-	-	144.6
Contingency (included)	US$ million	6.5	15.3	21.7
Working Capital (included)	US$ million	9.0	-9.0	-
Funding				
Funding (Three Hills build)	US$ million	54.3	-	-
Funding (at Year 1)[3] (in addition to Three Hills FCF of $43.5 M)	US$ million	-	34.8	-
Peak Funding	US$ million	-	-	89.1
Adjusted Op Cost per Ton of Ore[4]	US$/ton ore	8.09	9.07	8.86
Mining	US$/ton ore	3.88	4.05	4.02
Processing	US$/ton ore	2.62	4.12	3.80
G&A	US$/ton ore	0.51	0.43	0.45
Other [4]	US$/ton ore	1.07	0.46	0.59
Adjusted Operating Cost [5]	US$/ounce Au	566	754	708
All-in Sustaining Cost (AISC) [6]	US$/ounce Au	598	837	779
All-in Costs (AIC) [7]	US$/ounce Au	926	1,030	1,005
Mine Life	year	1.9	6.1	8
Gold Price	US$/oz	1,225	1,225	1,225
Silver Price	US$/oz	NA	17.5	17.5
NPV (5%) - pre tax	US$ million	-	-	90.6
IRR - pre tax	%	-	-	29
NPV (5%) - after tax	US$ million	-	-	75.3
IRR - after tax	%	-	-	26
Payback Period	year	-	-	3.7

Notes:
(1) Numbers may not add up due to rounding
(2) Silver production is averaged over the Hasbrouck mine life only
(3) Difference between Funding and Capex requirements is due to free cash flow from Three Hills mine
(4) "Other" category includes royalties, production taxes, permitting, refining, and by-product credit
(5) World Gold Council - Adjusted Operating Costs include: On-site mining and G&A, royalties and production taxes, permitting and community cost related to current operations, 3rd party smelting, refining and transport costs, stock-piles and inventory write-downs, site-based non-cash remuneration, operational stripping costs and by-product credits
(6) World Gold Council - All-in Sustaining Costs includes: Adjusted Operating Costs (above) plus corporate G&A (including share-based remuneration), reclamation & remediation - accretion & amortization (on-site), sustaining exploration and study costs, sustaining capital exploration, capitalized stripping and sustaining capital expenditure.
(7) World Gold Council All-In Cost includes: All-In Sustaining Costs (above) plus community, permitting, an reclamation and remediation costs not related to current operations and non-sustaining exploration and study costs, capital exploration, capitalized stripping and capital expenditure

22.1 Economic Parameters and Assumptions

The economic analysis has been based on economic parameters including metal prices, capital and operating costs, royalties, and application of depreciation, depletion and tax rates. The remaining assumptions come from the mining and processing production schedules. Capital and operating costs have been discussed previously in Section 21.0.

The economic analysis was based on a gold price of $1,225 per ounce and a silver price of $17.50 per ounce.

22.1.1 Royalties

Royalties were based on a 4% net smelter return royalty as discussed in Section 4.3. The royalty has been applied by calculating the total recovered ounces of gold and silver, multiplied by the metal prices and payable percentage, and then subtracting transportation and refining costs.

22.1.2 Taxes

Taxes include both Nevada net proceeds tax and federal corporate taxes. Nevada requires payment of a tax on proceeds from minerals. This is typically referred to as the Nevada net proceeds tax or "NPT". This tax was established in 1989 in lieu of property taxes on mineral land. The Nevada constitution was amended to establish the tax on proceeds of all minerals, including oil and gas, at a rate not to exceed 5%.

For operations with annual gross proceeds over $4,000,000, the NPT tax rate is 5%. For operations with gross proceeds less than $4,000,000 annually, the NPT tax rate is dependent on the ratio of net proceeds to gross proceeds. The net proceeds were calculated by taking the total net revenue (after refining costs and royalties) and subtracting the operating costs. The gross proceeds were calculated by taking the gross revenues less the royalties paid (net revenue doesn't include cost of production).

The NPT tax applied to the net proceeds less than $4,000,000 is applied with an adjustable rate shown in Table 22.2. As per Nevada tax laws, the minimum NPT is based on the property tax rate for the county, which is 3.0195% for Esmerelda County.

Table 22.2 NPT Tax Rate Base on Net Proceeds to Gross Proceeds Ratio

Ratio of Net Proceeds to Gross Proceeds	Tax rate
Minimum *	3.0195%
Greater or equal to 26, less than 34	3.50%
Greater or equal to 34, less than 42	4.00%
Greater or equal to 42, less than 50	4.50%
50 or more	5.00%

For the Hasbrouck project, positive cash-flow years are projected to have net proceeds greater than $4,000,000, and even though equations in the cash flow model are designed to capture lower tax rates, the net effect is that a 5% net proceeds tax has been applied throughout.

Federal income taxes have been based on either a straight tax rate of 35% or an alternate minimum tax of 20%. The straight federal tax rate of 35% has been applied to a taxable income after adjustments for depreciation and depletion. Depreciation has been applied to the initial capital for both Three Hills and Hasbrouck mines over the life of both mines. Depreciation has been based on the ratio of ounces produced in each year to the total life-of-mine recoverable ounces.

Depletion has been based on the larger amount of either: percent reserve depletion, or cost depletion. The percent reserve depletion has been assumed to be the minimum of 50% of the yearly depreciation (depletion limit) or 15% of the yearly gross revenue. Cost depletion has been based on the Hasbrouck project purchase price of $20 million, which has been depleted through the life of the mine based on the yearly depletion of recoverable equivalent ounces of gold.

The alternative minimum tax has been based on an alternate depreciation method: depreciating the initial capital for each mine over a straight 10 year period. This depreciation is used to calculate the taxable income for the alternate minimum income, with tax calculated at 20%. The final federal corporate tax has been assumed to be the greater amount of the “normal” federal corporate tax at 35% or the alternate minimum tax.

West Kirkland has determined it is possible to make use of a tax credit of $4,741,000 based on previous year’s losses. This credit is based on 35% of the past 5 years of losses totaling $13.5 million. The credit is applied to the first 3 years of production.

22.1.3 Project Physical Values

The pre-feasibility physical values included quantities of mined and processed material, along with produced metals that provide the basis for the cash-flow analysis. These values were derived from the mining and processing schedules previously discussed in the Mining Methods section. They were reformatted into the cash-flow sheet as shown in Table 22.3.

Table 22.3 Project Physicals

Material Mined		Units	Yr -1	Yr 1	Yr 2	Yr 3	Yr 4	Yr 5	Yr 6	Yr 7	Yr 8	Yr 9	Yr 10	Yr 11	Yr 12	Total
Three Hills	Ore Mined	K Tons		5,112	4,541	-	-	-	-	-	-	-	-	-	-	9,653
		oz Au/ton		0.015	0.022	-	-	-	-	-	-	-	-	-	-	0.018
		K Ozs Au		76	99	-	-	-	-	-	-	-	-	-	-	175
	Waste	K Tons		4,498	3,487	-	-	-	-	-	-	-	-	-	-	7,984
	Total	K Tons		9,610	8,028	-	-	-	-	-	-	-	-	-	-	17,638
	Strip Ratio	W:O		0.88	0.77											0.83
Hasbrouck	Ore Mined	K Tons		-	1,280	6,293	6,300	6,300	6,317	6,300	2,826	-	-	-	-	35,617
		oz Au/ton		-	0.011	0.018	0.020	0.017	0.015	0.013	0.017	-	-	-	-	0.017
		K Ozs Au		-	14	116	126	107	94	84	47	-	-	-	-	588
		oz Ag/ton		-	0.128	0.331	0.325	0.294	0.313	0.248	0.310	-	-	-	-	0.297
		K Ozs Ag		-	163	2,086	2,051	1,853	1,976	1,562	877	-	-	-	-	10,569
	Waste	K Tons		-	2,380	5,112	8,516	4,657	8,407	8,756	1,774	-	-	-	-	39,602
	Total	K Tons		-	3,660	11,406	14,816	10,957	14,724	15,056	4,600	-	-	-	-	75,219
	Strip Ratio	W:O			1.86	0.81	1.35	0.74	1.33	1.39	0.63					1.11
Total Mining	Ore Mined	K Tons		5,112	5,821	6,293	6,300	6,300	6,317	6,300	2,826	-	-	-	-	45,270
		oz Au/ton		0.015	0.019	0.018	0.020	0.017	0.015	0.013	0.017	-	-	-	-	0.017
		K Ozs Au		76	113	116	126	107	94	84	47	-	-	-	-	762
		oz Ag/ton		-	0.028	0.331	0.325	0.294	0.313	0.248	0.310	-	-	-	-	0.233
		K Ozs Ag		-	163	2,086	2,051	1,853	1,976	1,562	877	-	-	-	-	10,569
	Waste	K Tons		4,498	5,867	5,112	8,516	4,657	8,407	8,756	1,774	-	-	-	-	47,587
	Total	K Tons		9,610	11,688	11,406	14,816	10,957	14,724	15,056	4,600	-	-	-	-	92,857
	Strip Ratio	W:O		0.88	1.01	0.81	1.35	0.74	1.33	1.39	0.63					1.05
Material Processed																
	Three Hills Leach															
	Material	K Tons		5,112	4,541	-	-	-	-	-	-	-	-	-	-	9,653
	Placed on	oz Au/ton		0.015	0.022	-	-	-	-	-	-	-	-	-	-	0.018
	Pad	K Ozs Au		76	99	-	-	-	-	-	-	-	-	-	-	175
	Recoverable	K Ozs Au		60	78	-	-	-	-	-	-	-	-	-	-	138
	Recovered	K Ozs Au		43	87	8	-	-	-	-	-	-	-	-	-	138
	Cumulative Recovery	%	0.0%	56.6%	74.4%	79.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	Hasbrouck Leach															
	Material	K Tons		-	1,280	6,293	6,300	6,300	6,317	6,300	2,826	-	-	-	-	35,617
	Placed on	oz Au/ton		-	0.011	0.018	0.020	0.017	0.015	0.013	0.017	-	-	-	-	0.017
	Pad	K Ozs Au		-	14	116	126	107	94	84	47	-	-	-	-	588
		oz Ag/on		-	0.128	0.331	0.325	0.294	0.313	0.248	0.310	-	-	-	-	0.297
		K Ozs Ag		-	163	2,086	2,051	1,853	1,976	1,562	877	-	-	-	-	10,569
	Recoverable Au	K Ozs Au		-	9	77	92	81	71	64	36	-	-	-	-	429
	Recovered Au	K Ozs Au		-	2	65	95	79	77	63	48	0	-	-	-	429
	Cumulative Au Recovery	%	0.0%	0.0%	12.3%	51.7%	63.3%	66.3%	69.6%	70.3%	72.9%	72.9%	0.0%	0.0%	0.0%	
	Recoverable Ag	K Ozs Ag		-	18	229	226	204	217	172	96	-	-	-	-	1,163
	Recovered Ag	K Ozs Ag		-	1	191	244	187	231	188	121	-	-	-	-	1,163
	Cumulative Ag Recovery	%	0.0%	0.0%	0.7%	8.5%	10.1%	10.1%	10.5%	10.8%	11.0%	0.0%	0.0%	0.0%	0.0%	
	Total Au Production	K Ozs Au	-	43	89	73	95	79	77	63	48	0	-	-	-	567
	Total Ag Production	K Ozs Ag	-	-	1	191	244	187	231	188	121	-	-	-	-	1,163
	Total AuEq Production	K Ozs AuEq	-	43	89	76	98	81	80	65	50	0	-	-	-	583

22.1.4 Other Economic Assumptions

MDA used multiple discount rates for calculating NPV's including 5%, 8%, and 10%. The economic model was completed in Excel (version 14.0.7145.5000) using basic Excel functions and formulas to calculate the NPV and IRR. Sensitivity tables were developed using Excel data table analysis.

22.2 Pre-Feasibility Cash Flow

The pre-feasibility cash flow is presented in Table 22.4 and is based on the economic parameters and assumptions previously discussed. The final after tax 5% NPV is $75,272,000 with an IRR of 26%.

Table 22.4 Hasbrouck Project Cash Flow

Revenues		Units	Yr -1	Yr 1	Yr 2	Yr 3	Yr 4	Yr 5	Yr 6	Yr 7	Yr 8	Yr 9	Yr 10	Yr 11	Yr 12	Total
	Payable Metal - Au	K Ozs Au	-	43	89	73	94	79	77	63	48	0	-	-	-	566
	Payable Metal - Ag	K Ozs Ag	-	-	1	190	243	186	230	187	120	-	-	-	-	1,157
	Gold Revenue	K USD	$ -	$ 52,718	$108,535	$ 89,902	$115,685	$ 96,196	$ 94,425	$ 76,647	$ 59,196	$ 26	$ -	$ -	$ -	$693,331
	Silver Revenue	K USD	$ -	$ -	$ 21	$ 3,321	$ 4,246	$ 3,259	$ 4,024	$ 3,274	$ 2,099	$ -	$ -	$ -	$ -	$ 20,244
	Gross Revenue	K USD	$ -	$ 52,718	$108,556	$ 93,223	$119,931	$ 99,456	$ 98,449	$ 79,921	$ 61,295	$ 26	$ -	$ -	$ -	$713,574
	Off-Site Costs															
	Transp. & Refining - Au	K USD	$ -	$ 47	$ 98	$ 81	$ 104	$ 86	$ 85	$ 69	$ 53	$ 0	$ -	$ -	$ -	$ 623
	Transp. & Refining - Ag	K USD	$ -	$ -	$ 1	$ 114	$ 146	$ 112	$ 139	$ 113	$ 72	$ -	$ -	$ -	$ -	$ 698
	Total Off-Site Costs	K USD	$ -	$ 47	$ 98	$ 195	$ 250	$ 199	$ 224	$ 182	$ 126	$ 0	$ -	$ -	$ -	$ 1,321
	Royalties	K USD	$ -	$ 2,107	$ 4,338	$ 3,721	$ 4,787	$ 3,970	$ 3,929	$ 3,190	$ 2,447	$ 1	$ -	$ -	$ -	$ 28,490
	Net Revenue															
	Net Revenue	K USD	$ -	$ 50,564	$104,119	$ 89,307	$114,894	$ 95,286	$ 94,296	$ 76,550	$ 58,723	$ 25	$ -	$ -	$ -	$683,763
Operating Costs																
Three Hills	Mining Cost	K USD	$ -	$ 19,793	$ 17,678	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 37,471
	Process Cost	K USD	$ -	$ 13,127	$ 11,307	$ 904	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 25,338
Hasbrouck	Mining Cost	K USD	$ -	$ -	$ 6,593	$ 21,760	$ 27,951	$ 20,946	$ 27,783	$ 28,386	$ 8,767	$ 60	$ -	$ -	$ -	$142,246
	Process Cost	K USD	$ -	$ -	$ 5,750	$ 24,845	$ 25,668	$ 25,668	$ 25,694	$ 25,668	$ 13,363	$ 171	$ -	$ -	$ -	$146,826
	Re-handle	K USD	$ -	$ -	$ 77	$ 378	$ 378	$ 378	$ 379	$ 378	$ 170	$ -	$ -	$ -	$ -	$ 2,137
Total	Mining Cost	K USD	$ -	$ 19,793	$ 24,271	$ 21,760	$ 27,951	$ 20,946	$ 27,783	$ 28,386	$ 8,767	$ 60	$ -	$ -	$ -	$179,718
	Process Cost	K USD	$ -	$ 13,127	$ 17,057	$ 25,749	$ 25,668	$ 25,668	$ 25,694	$ 25,668	$ 13,363	$ 171	$ -	$ -	$ -	$172,164
	Re-handle	K USD	$ -	$ -	$ 77	$ 378	$ 378	$ 378	$ 379	$ 378	$ 170	$ -	$ -	$ -	$ -	$ 2,137
	G&A Cost	K USD	$ -	$ 2,604	$ 2,629	$ 2,694	$ 2,694	$ 2,694	$ 2,588	$ 2,588	$ 1,235	$ 134	$ 134	$ 134	$ 134	$ 20,264
	Reclamation	K USD	$ -				$ 1,775	$ 1,775					$ 2,240	$ 3,128	$ 3,128	$ 12,047
	Net / Gross Proceeds	%	0%	30%	58%	43%	49%	46%	40%	25%	60%	0%	0%	0%	0%	43%
	Nevada Net Proceeds Tax	K USD	$ -	$ 752	$ 3,004	$ 1,936	$ 2,821	$ 2,191	$ 1,893	$ 977	$ 1,759	$ -	$ -	$ -	$ -	$ 15,334
	Net Operating Cost	K USD	$ -	$ 36,276	$ 47,038	$ 52,518	$ 61,288	$ 53,652	$ 58,337	$ 57,996	$ 25,294	$ 365	$ 2,375	$ 3,262	$ 3,262	$401,663
	Net Operating Cash Flow	K USD	$ -	$ 14,288	$ 57,082	$ 36,789	$ 53,606	$ 41,634	$ 35,959	$ 18,554	$ 33,429	$ (340)	$ (2,375)	$ (3,262)	$ (3,262)	$282,100
Capital Costs																
	Mine Pre-Stripping	K USD	$ 633	$ -	$ 269	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 902
	Mining Capital	K USD	$ 260	$ -	$ -	$ 14	$ 50	$ -	$ 50	$ -	$ 167	$ 167	$ -	$ -	$ -	$ 708
	Three Hills Process Capital	K USD	$ 21,315	$ 422	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 21,737
	Hasbrouck Process Capital	K USD	$ -	$ 7,093	$ 39,808	$ -	$ 11,361	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 58,263
	Other Capital	K USD	$ 16,636	$ 10,092	$ 12,958	$ 42	$ 1,136	$ 368	$ -	$ 32	$ -	$ -	$ -	$ -	$ -	$ 41,264
	Sub-Total	K USD	$ 38,844	$ 17,607	$ 53,035	$ 56	$ 12,547	$ 368	$ 50	$ 32	$ 167	$ 167	$ -	$ -	$ -	$122,874
	Working Capital	K USD	$ 8,992	$ -	$ -	$ (8,992)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Contingency	K USD	$ 6,491	$ 1,029	$ 11,314	$ 8	$ 2,840	$ 55	$ -	$ 5	$ -	$ -	$ -	$ -	$ -	$ 21,743
	Salvage	K USD	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Total Capital	K USD	$ 54,327	$ 18,637	$ 64,349	$ (8,928)	$ 15,388	$ 423	$ 50	$ 37	$ 167	$ 167	$ -	$ -	$ -	$144,618
	Pre-Tax Cash Flow	K USD	$(54,327)	$ (4,349)	$ (7,268)	$ 45,717	$ 38,218	$ 41,211	$ 35,909	$ 18,517	$ 33,262	$ (507)	$ (2,375)	$ (3,262)	$ (3,262)	$137,483
	Cumulative Pre-Tax Cash Flow	K USD	$(54,327)	$(58,676)	$(65,944)	$(20,227)	$ 17,991	$ 59,202	$ 95,111	$113,628	$146,890	$146,383	$144,008	$140,745	$137,483	
			45335.222													
Depreciation and Depletion (D&D)																
	Recoverable Equiv. Au (Start of Yr)	Ozs AuEq	583	583	540	451	375	277	196	115	50	0	(0)	(0)	(0)	
	Produced Equivalent Au Ozs	Ozs AuEq	-	43	89	76	98	81	80	65	50	0	-	-	-	
	Depreciation Factor (LOM)	%	0.0%	7.4%	15.2%	13.1%	16.8%	13.9%	13.8%	11.2%	8.6%	0.0%	0.0%	0.0%	0.0%	
	Depreciation Factor (Yr 2 Capex)	%			16.4%	14.1%	18.1%	15.0%	14.9%	12.1%	9.3%	0.0%	0.0%	0.0%	0.0%	
	Global Depreciation Factor	%	0.0%	3.7%	15.8%	13.6%	17.5%	14.5%	14.3%	11.6%	8.9%	0.0%	0.0%	0.0%	0.0%	
	Depreciation of Original Capex	K USD	$ -	$ 5,390	$ 11,099	$ 9,532	$ 12,264	$ 10,170	$ 10,067	$ 8,172	$ 6,268	$ 3	$ -	$ -	$ -	$ 72,964
	Depreciation of Capex (Hasbrouck)	K USD			$ 11,769	$ 10,108	$ 13,004	$ 10,784	$ 10,675	$ 8,666	$ 6,646	$ 3	$ -	$ -	$ -	$ 71,653
	Total Depreciation	K USD	$ -	$ 5,390	$ 22,868	$ 19,640	$ 25,267	$ 20,953	$ 20,742	$ 16,838	$ 12,914	$ 6	$ -	$ -	$ -	$144,618
	Taxable Income after Depreciation	K USD	$ -	$ -	$ -	$ 26,076	$ 12,951	$ 20,258	$ 15,167	$ 1,679	$ 20,348	$ -	$ -	$ -	$ -	$ 96,479
	Depletion Limit	K USD	$ -	$ -	$ -	$ 13,038	$ 6,475	$ 10,129	$ 7,584	$ 839	$ 10,174	$ -	$ -	$ -	$ -	$ 48,240
	% Reserve Depletion	K USD	$ -	$ 7,908	$ 16,283	$ 13,983	$ 17,990	$ 14,918	$ 14,767	$ 11,988	$ 9,194	$ 4	$ -	$ -	$ -	$107,036
	Cost Depletion	K USD	$ -	$ 748	$ 3,203	$ 2,751	$ 3,539	$ 2,935	$ 2,906	$ 2,359	$ 1,809	$ 1	$ -	$ -	$ -	$ 20,251
	Smaller of Limit vs % Depletion	K USD	$ -	$ -	$ -	$ 13,038	$ 6,475	$ 10,129	$ 7,584	$ 839	$ 9,194	$ -	$ -	$ -	$ -	$ 47,260
	Net Reserve Depletion	K USD	$ -	$ 748	$ 3,203	$ 13,038	$ 6,475	$ 10,129	$ 7,584	$ 2,359	$ 9,194	$ 1	$ -	$ -	$ -	$ 52,731
	Taxable Income after D&D	K USD	$ -	$ -	$ -	$ 13,038	$ 6,475	$ 10,129	$ 7,584	$ -	$ 11,154	$ -	$ -	$ -	$ -	$ 48,380
Taxes																
	NV Net Proceeds Tax	K USD	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	County Property Tax	K USD	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Nevada Corporate Tax	K USD	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	'Normal' Federal Corporate Tax	K USD	$ -	$ -	$ -	$ 4,563	$ 2,266	$ 3,545	$ 2,654	$ -	$ 3,904	$ -	$ -	$ -	$ -	$ 16,933
	AMT Depreciation (10-year)	K USD	$ -	$ 5,433	$ 5,433	$ 10,004	$ 10,004	$ 10,004	$ 10,004	$ 10,004	$ 10,004	$ 10,004	$ 10,004	$ 4,572	$ 4,572	$100,044
	AMT Taxable Income	K USD	$ -	$ -	$ 17,435	$ 22,674	$ 21,738	$ 21,078	$ 18,321	$ 6,834	$ 14,063	$ -	$ -	$ -	$ -	$122,143
	Alternate Minimum Tax (AMT)	K USD	$ -	$ -	$ 3,487	$ 4,535	$ 4,348	$ 4,216	$ 3,664	$ 1,367	$ 2,813	$ -	$ -	$ -	$ -	$ 24,429
	US Federal Corporate Tax	K USD	$ -	$ -	$ 3,487	$ 4,563	$ 4,348	$ 4,216	$ 3,664	$ 1,367	$ 3,904	$ -	$ -	$ -	$ -	$ 25,548
	Capital Pool as a Tax Credit	K USD		$ -	$ 3,487	$ 1,254	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 4,741
	Net Taxes Paid	K USD	$ -	$ -	$ -	$ 3,309	$ 4,348	$ 4,216	$ 3,664	$ 1,367	$ 3,904	$ -	$ -	$ -	$ -	$ 20,807
	After-Tax Cash Flow	K USD	$(54,327)	$ (4,349)	$ (7,268)	$ 42,407	$ 33,870	$ 36,995	$ 32,245	$ 17,150	$ 29,358	$ (507)	$ (2,375)	$ (3,262)	$ (3,262)	$116,676
	Cumulative After-Tax Cash Flow	K USD	$(54,327)	$(58,676)	$(65,944)	$(23,537)	$ 10,334	$ 47,329	$ 79,574	$ 96,724	$126,082	$125,575	$123,201	$119,938	$116,676	

Pre-Tax Payback Period	Years	3.53	***(From start of production)***
After-Tax Payback Period	Years	3.69	***(From start of production)***
Pre-Tax Net Present Value	5%	$ 90,593	
	8%	$ 69,630	
	10%	$ 57,934	
Pre-Tax Internal Rate of Return	IRR	29%	
After-Tax Net Present Value	5%	$ 75,272	
	8%	$ 56,753	
	10%	$ 46,421	
After-Tax Internal Rate of Return	IRR	26%	

22.3 Cash-Flow Sensitivity

Pre-tax and after-tax cash-flow ("CF") sensitivities to revenue were evaluated by varying the gold price from $1,000 to $1,500 per ounce in $50.00 increments. The silver price was also modified in these sensitivities based on a constant gold to silver price ratio of $1,225:$17.50. After-tax metal price sensitivities are shown in Table 22.5.

Through May, 2015, the three year rolling average gold price was $1,386 per ounce. The three year average is a measure commonly used by the U.S. Securities and Exchange Commission. Accordingly, cash-flow, net present values, and internal rate of return were calculated using a $1,386 gold price. The silver price in this evaluation used the same constant ratio of $1,225:$17.50 used for the metal price sensitivities, which calculates to $19.80 per ounce of silver. This sensitivity is included in Table 22.5 on the bottom row.

Operating and capital cost sensitivities were evaluated from +/- 30% of the values in 10% increments. Results from changes to operating costs are shown in Table 22.6 and results from changes to capital costs are shown in Table 22.7.

Sensitivities to changes in revenues, operating costs, and capital costs are shown as both pre-tax and after-tax in Figure 22.1 and Figure 22.2, respectively.

Table 22.5 Metal Price Sensitivity

	After Tax Sensitivity - Metal Price (K USD)					
Au Price	Undisc. CF	NPV 5%	NPV 8%	NPV 10%	IRR	Ag Price
$ 1,000	$ 3,860	$ (11,931)	$ (18,746)	$ (22,434)	1%	$ 14.29
$ 1,050	$ 29,572	$ 7,907	$ (1,589)	$ (6,797)	7%	$ 15.00
$ 1,100	$ 54,768	$ 27,395	$ 15,290	$ 8,599	13%	$ 15.71
$ 1,150	$ 79,655	$ 46,624	$ 31,935	$ 23,779	18%	$ 16.43
$ 1,200	$ 104,346	$ 65,730	$ 48,485	$ 38,878	23%	$ 17.14
$ 1,225	$ 116,676	$ 75,272	$ 56,753	$ 46,421	26%	$ 17.50
$ 1,250	$ 128,705	$ 84,592	$ 64,832	$ 53,795	28%	$ 17.86
$ 1,300	$ 152,348	$ 102,908	$ 80,708	$ 68,286	32%	$ 18.57
$ 1,350	$ 175,821	$ 121,076	$ 96,451	$ 82,651	37%	$ 19.29
$ 1,400	$ 198,947	$ 138,993	$ 111,984	$ 96,831	41%	$ 20.00
$ 1,450	$ 221,566	$ 156,542	$ 127,212	$ 110,739	45%	$ 20.71
$ 1,500	$ 243,565	$ 173,630	$ 142,050	$ 124,298	49%	$ 21.43
$ 1,386*	$ 192,513	$ 134,006	$ 107,659	$ 92,881	40%	$ 19.80

*** $1,386 per ounce of gold was the 3-year rolling average as of the end of May, 2015**

Table 22.6 Operating Cost Sensitivities

	After Tax Sensitivity - Operating Cost (K USD)				
% of Base	Undisc. CF	NPV 5%	NPV 8%	NPV 10%	IRR
70%	$ 219,813	$ 154,445	$ 125,103	$ 108,666	44%
80%	$ 187,318	$ 129,437	$ 103,478	$ 88,950	38%
90%	$ 152,389	$ 102,664	$ 80,385	$ 67,933	32%
100%	$ 116,676	$ 75,272	$ 56,753	$ 46,421	26%
110%	$ 79,082	$ 46,459	$ 31,906	$ 23,812	18%
120%	$ 41,366	$ 17,579	$ 7,013	$ 1,167	10%
130%	$ 2,468	$ (12,181)	$ (18,625)	$ (22,147)	1%

Table 22.7 Capital Cost Sensitivities

	After Tax Sensitivity - Capital Cost (K USD)				
% of Base	Undisc. CF	NPV 5%	NPV 8%	NPV 10%	IRR
70%	158,280	112,964	92,364	80,746	47%
80%	144,905	100,772	80,811	69,590	38%
90%	130,981	88,163	68,900	58,111	31%
100%	116,676	75,272	56,753	46,421	26%
110%	101,851	61,983	44,263	34,420	21%
120%	87,108	48,774	31,849	22,491	17%
130%	71,875	35,196	19,121	10,280	13%

Figure 22.1 Pre-Tax Project Sensitivities

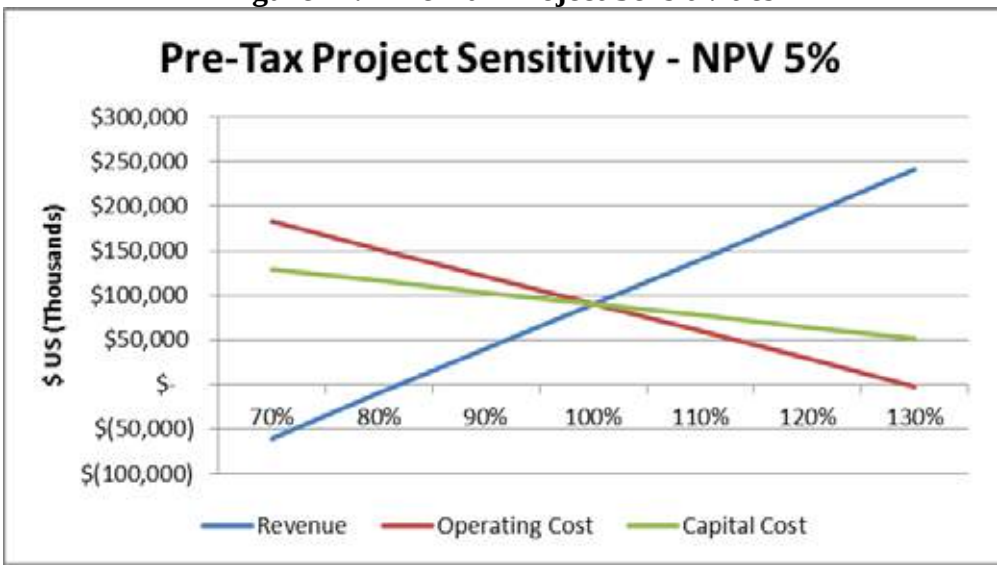
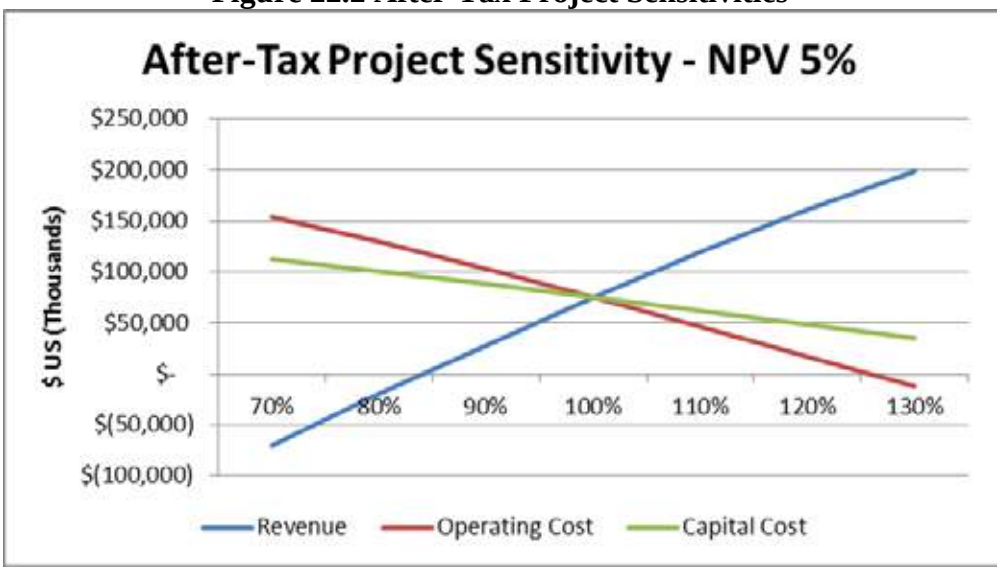


Figure 22.2 After-Tax Project Sensitivities



22.4 Project Timing Sensitivity

The Hasbrouck project has been presented above with mining starting at Three Hills and then continuing at Hasbrouck in such a way that the gold production is continuous without interruption between mining of the two deposits and is considered the "base case" for the project timing sensitivity analysis. Using the current cash-flow model, MDA has created additional scenarios to investigate: the value of mining only Three Hills; and project economics considering a delay between Three Hills and Hasbrouck mining.

22.4.1 Three Hills Mine Only

Even though confidence is fairly high that both deposits will be permitted and mined, MDA performed an economic analysis to evaluate the project assuming that permits for Hasbrouck are not obtained and only Three Hills would be mined. This was completed by modifying the base case production schedule and cash-flow model to remove production revenue and costs attributed to the Hasbrouck Mine. The assumption was made that the Hasbrouck permitting efforts would continue, so the permitting costs remained in the model.

G&A costs were reduced to a post-mining rate of $107,000 per year after mining and carried through year 6 to account for G&A costs during pad rinsing and reclamation activities. Reclamation costs for Three Hills were maintained at $5.3 million, but spread out over a three year period starting in year 4 (after completion of gold recovery from the leach pad).

The resulting project has a 1.6 year mine life recovering 138,000 ounces of gold. Revenues are generated from the pad through month 30, followed by reclamation.

As with the full project the initial year -1 capital investment is $54.3 million. The total undiscounted pre-tax operating cash flow through reclamation is $84.4 million. The economic

results for the Three Hills only project are shown in Table 22.8. The after-tax net present value (5%) is $20.6 million with a 28% internal rate of return.

Table 22.8 Three Hills Only Scenario Economic Results

Pre-Tax Payback Period	Years	1.50
After-Tax Payback Period	Years	1.56
Pre-Tax Net Present Value (K USD)	5%	$ 27,626
	8%	$ 23,258
	10%	$ 20,616
Pre-Tax Internal Rate of Return	IRR	35%
After-Tax Net Present Value (K USD)	5%	$ 20,627
	8%	$ 16,854
	10%	$ 14,571
After-Tax Internal Rate of Return	IRR	28%

22.4.2 Hasbrouck Mine Construction Delay

MDA evaluated various scenarios to reduce peak funding for the project. There is a substantial amount of cash flow that will come from Three Hills that can be directed to the construction of the Hasbrouck Mine if a delay of several months is chosen, thereby reducing the amount of addition funds to be injected into the project at the time of the Hasbrouck Mine construction.

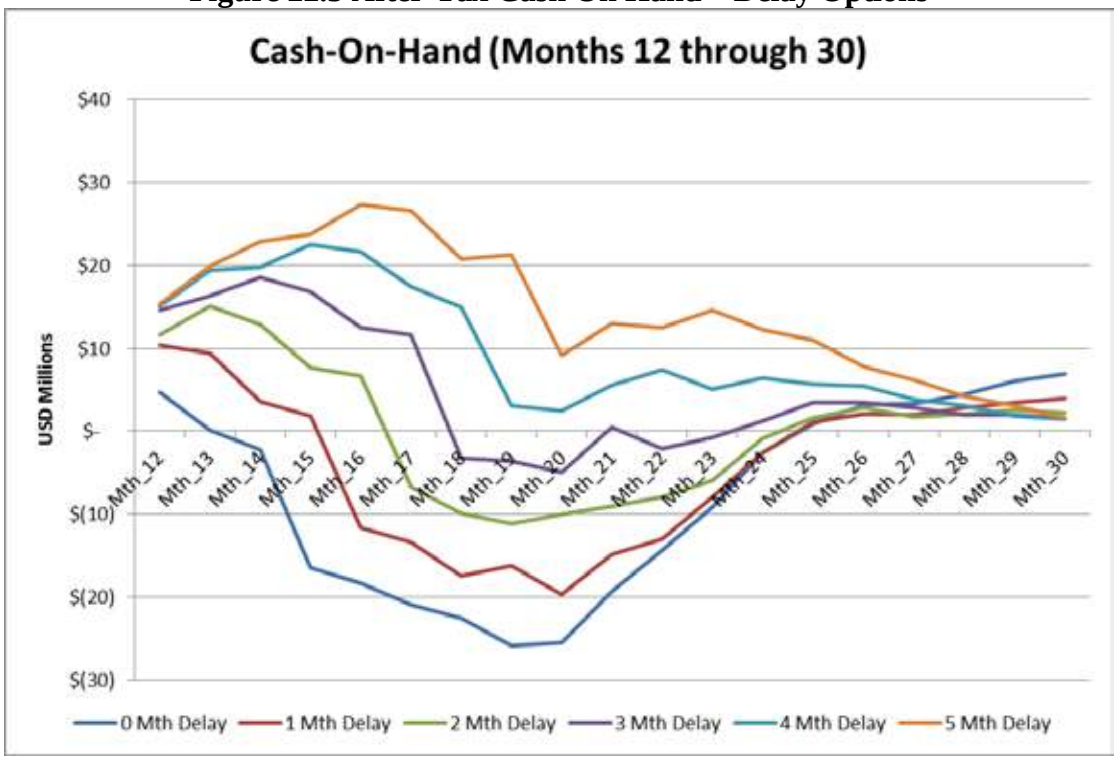
Within the base case cash-flow model, a monthly cash flow sheet was developed which allowed the delay of production, capital and operating costs at Hasbrouck Mine by a given number of months. Delays from one to eight months were evaluated. The purpose of this was to examine funding requirements for each delay period, as well the impact of the delay on the internal rate of return and net present value for the project.

In the base case, growth capital expenditures to build the Hasbrouck Mine will start in month 1 of production at Three Hills, with the purchase of certain long lead time items. Growth capital is spent over a period of about 20 months. From a funding point of view, delay in start-up of the Hasbrouck Mine would allow West Kirkland to defer spending of growth capital until free cash flow from the Three Hills Mine has been maximized.

MDA evaluated the cash on hand on a monthly basis to determine when additional funding would be required. Year -1 initial funding for the project is $54.3 million, of which $9.0 million is in working capital. This evaluation assumed that total capital required ($54.3 million) remains in a pool where expenses are drawn from. MDA evaluated the monthly cash on hand with a starting balance of the initial capital through the build of the Hasbrouck Mine. This was done for each of the scenarios from a zero month delay to an 8 month delay. The results from month 12 through 30 (months where major growth capital is spent) are shown graphically in Figure 22.3 (note that only the 0 through 5 month delays are shown so that the graph is less cluttered and there is little benefit gained with delays longer than 5 months).

The 4 month delay maintains a positive cash balance through the growth expenditure period, indicating that the full amount of growth capital to build the Hasbrouck Mine could be internally funded using cash-flow from Three Hills Mine. The 5 month delay maintains a positive cash balance but the additional one month in delay reduces the NPV of the project by approximately $1.5m, without decreasing the peak funding required relative to the 4 month delay. Delaying the Hasbrouck mine build by 4 months would provide the advantage of being able to fund the construction of the Hasbrouck Mine without additional financing, while preserving as much NPV and IRR as possible. Payback of capital is delayed by the same number of months that the Hasbrouck Mine construction is delayed.

Figure 22.3 After-Tax Cash On Hand – Delay Options



The negative impact of delaying the construction of the Hasbrouck Mine is that it defers revenue and therefore reduces the net present value of the project. Various ways to fund the Hasbrouck Mine in the base case scenario and avoid delays in production, such as bridge financing, have not been evaluated in this report.

Table 22.9 shows the economic results for the different delay scenarios. From an economic standpoint, the construction of the Hasbrouck mine without delay advances revenues and provides the best economic performance, but requires the injection of $34.8 million in additional funds in years 1 and 2. From a funding standpoint, a four month delay provides a project that would not require the additional funding, but the net present value for the project is about $4.4 million less and the internal rate of return is 2% less.

Various ways to fund the Hasbrouck Mine in the base case scenario and avoid delays in production, such as bridge financing, have not been evaluated in this report.

Table 22.9 After-Tax Economics for Delay Scenarios

	Undisc. CF (K USD)	NPV (5%) (K USD)	IRR
0 Mth Delay	$ 116,676	$ 75,272	26%
1 Mth Delay	$ 115,781	$ 74,299	25%
2 Mth Delay	$ 115,120	$ 73,474	25%
3 Mth Delay	$ 114,082	$ 72,402	25%
4 Mth Delay	$ 112,609	$ 70,860	24%
5 Mth Delay	$ 110,570	$ 68,977	24%
6 Mth Delay	$ 106,404	$ 65,482	23%
7 Mth Delay	$ 103,595	$ 62,862	22%
8 Mth Delay	$ 99,543	$ 59,283	21%

23.0 ADJACENT PROPERTIES

West Kirkland's proposed Hasbrouck Mine is adjacent to third-party patented and unpatented mining claims in the Divide Mining District under lease by Tonogold Resources Inc. (TNGL.PK). The most recent mining in the district took place in the early 1980's from the Falcon pit, on the northeast slope of Gold Mountain, approximately 1.3mi east of Hasbrouck Mountain. The pit was developed by Falcon Exploration on the northwest trending Tonopah Divide lode, from which underground mining prior to the 1940's produced mainly silver. In 1982 and 1983 material from the Falcon pit was trucked by Falcon Exploration to a cyanide heap-leach and recovery site in the valley 5mi southwest of Hasbrouck Mountain. Falcon Exploration produced an estimated total of 400,000 oz of silver and 3,000 oz of gold (Bonham et al., 1987). No information is available to MDA on the gold and silver grades, or the quantities of metals recovered from the Falcon operation.

24.0 OTHER RELEVANT DATA AND INFORMATION

24.1 Project Execution

A project execution plan for the Pre-Feasibility study has been developed. This includes tasks for completing this pre-feasibility study, permitting, and a feasibility study prior to construction. The project execution plan is shown in Table 24.1.

Table 24.1 Pre-Feasibility Schedule for the Three Hills and Hasbrouck Mines

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
	Year -3	Year -2	Year -1	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Year 11	Year 12
THREE HILLS MINE															
PREFEASIBILITY															
PERMITTING															
FEASIBILITY															
CONSTRUCTION															
OPERATION															
POST MINING															
HASBROUCK															
PREFEASIBILITY															
FEASIBILITY															
PERMITTING															
CONSTRUCTION															
OPERATION															
CLOSURE															
CLOSURE															
POST CLOSURE															

24.2 Other Relevant Information

There is no other relevant information known to the authors that is not included in this report.

25.0 INTERPRETATION AND CONCLUSIONS

MDA considers the Hasbrouck project to be a project of merit and economically viable. The Three Hills and Hasbrouck gold-silver deposits consist of near-surface, epithermal mineralization of the low-sulfidation type hosted within Miocene-age volcaniclastic and tuffaceous rocks of the Siebert Formation, and the underlying, uppermost part of the Fraction Tuff. At Three Hills, the higher gold grades are associated with discontinuous, irregular veinlets, vein stockworks, and erratic breccia veins of chalcedony and quartz within a broad zone of pervasive silicification. At Hasbrouck, the highest gold grades are associated with narrow, generally near-vertical, discontinuous silica-pyrite veinlets, sheeted veinlets and stockworks, all closely associated with multiple, larger and coalesced, but erratic bodies of hydrothermal breccias. Stratigraphic control, whereby the porous volcaniclastic units are preferentially mineralized, is prevalent, but is especially evident in many of the moderate-grade zones along the peripheries of the deposit. The mineralization at Hasbrouck is accompanied by strong pervasive silicification, with associated adularia and pyrite. Subsequent to mineralization, oxidation has largely to completely destroyed the pyrite and other sulfide minerals at Hasbrouck and Three Hills, respectively.

The core of the deposit is relatively well-defined and infill drilling is not expected to materially change the current resource model and estimate other than to increase the confidence level of the resource.

25.1 Data and Mineral Resources

The current mineral resources for the Three Hills deposit are based on a database consisting of 291 drill holes totaling 88,199ft of drilling. Some form of rotary percussion drilling was used for 273 of the drill holes, accounting for a large majority (82,787ft) of the drilling. Eighteen diamond core holes for 5,412ft are included in the Three Hills drilling database.

For the Hasbrouck deposit, the current mineral resources are estimated from a drilling database containing 317 drill holes, totaling 216,761ft. The large majority of the drilling has been by reverse circulation (252 holes for 179,174ft), along with 43 diamond core holes for 26,807ft and 22 air-track holes for 8,980ft.

MDA has evaluated and performed verification of the Three Hills and Hasbrouck databases, and considers the assay data to be adequate for the estimation of the current mineral resources.

25.2 Hasbrouck Estimated Mineral Resources

The current Hasbrouck block model estimate, fully diluted to 20ft by 20ft by 20ft blocks, is inclusive of reserves and includes the following Measured, Indicated, and Inferred Resources, at a cutoff grade of 0.006 gold equivalent ounces per ton, as shown in Table 25.1:

Table 25.1 Hasbrouck Reported Mineral Resources (0.006oz AuEq/ton cutoff grade)

Class	Tons	oz Au/ton	oz Au	oz Ag/ton	oz Ag
Measured	8,261,000	0.017	143,000	0.357	2,949,000
Indicated	45,924,000	0.013	595,000	0.243	11,147,000
M+I	54,185,000	0.014	738,000	0.260	14,096,000
Inferred	11,772,000	0.009	104,000	0.191	2,249,000

Note: rounding may cause apparent inconsistencies

The AuEq cutoff grade was calculated using the individual gold and silver grades of each block, along with a gold price of $1,300.00 per ounce gold and a silver price of $22 per ounce silver.

The Hasbrouck resource consists of a single, irregularly shaped deposit that extends for more than 2,800ft in an east-west direction and about 2,400ft north-south. The core of the deposit is relatively well-defined and infill drilling is not expected to materially change the current resource model and estimate. However, additional drilling along the periphery of the deposit has the potential to extend the resource to the east and west.

25.3 Three Hills Estimated Mineral Resources

The current Three Hills block model estimate, fully diluted to 20ft by 20ft by 20ft blocks, is inclusive of reserves and includes the following Indicated and Inferred Resources, at a cutoff grade of 0.005 gold equivalent ounces per ton, as shown in Table 25.2:

Table 25.2 Three Hills Reported Mineral Resources (0.005oz Au/ton Cutoff)

Class	Tons	oz Au/ton	oz Au
Indicated	10,897,000	0.017	189,000
Inferred	2,568,000	0.013	32,000

Note: rounding may cause apparent inconsistencies

The cutoff grade of 0.005 oz Au/ton was chosen to capture mineralization potentially available to open-pit extraction and heap-leach processing. There are no resources classified as Measured due to the general lack of QA/QC data that could be used for verification purposes and to some uncertainties related to historical drill hole locations. Indicated Resources are limited to the north-south core of the deposit; Inferred Resources comprise the mineralization at depth along the east side of the deposit and the scattered mineralization to the northwest. There are no silver resources estimated at Three Hills.

At a cutoff grade of 0.005 oz Au/ton, Three Hills mineralization consists of a single, irregularly shaped deposit that extends for more than 2,700ft north-south and 1,000ft east-west. The deposit remains open at depth to the east and southeast, along the Siebert-Fraction contact.

25.4 Mineral Reserves

Metallurgical testing demonstrates that mineralized material at Three Hills is amenable to cyanidation for gold extraction. An average gold recovery of 79.0% is expected. Silver contents are low and have not been modelled; silver recovery for Three Hills has not been estimated.

Gold recovery at the Hasbrouck deposit varies with the stratigraphic position of the host rock. The average gold recovery from mineralization within the upper Siebert is expected to be 61.0%. A higher average gold recovery of 75.8% is expected for mineralization hosted by the lower Siebert. Silver recoveries from the upper and lower Siebert are expected to be the same, with an average of 11% recovery expected from both stratigraphic units.

Table 25.3 Three Hills and Hasbrouck Combined Proven and Probable Reserves

	K Tons	oz Au/ton	K Ozs Au	oz Ag/ton	K Ozs Ag
Proven	6,242	0.020	127	0.410	2,562
Probable	39,028	0.016	635	0.205	8,007
Proven & Probable	45,270	0.017	762	0.233	10,569

Three Hills cutoff used: 0.005 oz Au/ton
Three Hills cutoff used: Upper Seibert 0.008 oz Au/ton; Lower Seibert 0.007 oz Au/ton

MDA concludes that mineralization in the Three Hills and Hasbrouck deposits is amenable to extraction by open-pit mining. MDA has used Measured and Indicated resources to define mineral reserves for both the Three Hills and Hasbrouck mines, which together compose the Hasbrouck project (Table 25.3). Reserve definition was done by first identifying ultimate pit limits using economic parameters and pit optimization techniques. Pit designs were then created based on the pit optimizations, from which production schedules and cash-flow analysis were produced. These form the basis of the reserves statement and details of the calculation methods are presented in Section 15.2.

Because Three Hills material will be processed using run-of-mine leaching, there will be no crushing and stacking costs at Three Hills. Gold and silver recoveries were applied based on initial estimates provided by Herbert Osborne of H.C. Osborne and Associates, the Qualified Person responsible for Section 13.0. Table 15.2 shows the recoveries used for each deposit.

There are no stated silver resources for the Three Hills Mine; therefore silver was not used to generate value in Three Hills. However, for Hasbrouck the value from silver was calculated with constant silver to gold ratio based on $1,225/oz Au to $17.50/oz Ag prices.

Based on optimized pits, MDA developed phased pit designs to define the production schedules for both Three Hills and Hasbrouck, which were then used for cash-flow analysis for the pre-feasibility study. All Inferred material was considered to be waste. The final metal prices used for the Hasbrouck project cash flow was $1,225 per ounce Au and $17.50 per ounce Ag. MDA believes the final cash-flow model demonstrates that the deposits will have a positive cash flow and are reasonable with respect to statement of reserves for the Hasbrouck project.

25.5 Processing and Recovery Methods

The Hasbrouck heap-leach project includes two separate facilities to be located 5 miles apart. The Three Hills Mine will be constructed and operated first, and will be a 15,000 ton per day, run-of-mine operation, utilizing conventional, cyanide heap-leaching of material stacked on a single-use pad. Gold will be leached with dilute cyanide solution and recovered from the solution using a carbon adsorption-desorption-recovery plant to produce doré bars.

The Hasbrouck Mine will be constructed after production commences at the Three Hills Mine and will be a 17,500 ton per day heap-leach operation utilizing conventional heap leaching of crushed material stacked on a single use pad. Crushing will be performed in three stages: mined material will pass first through a primary jaw crusher, then two secondary cone crushers, and then through a high pressure grinding roll unit. Agglomeration with cement will be required prior to stacking of ore on the heap. Gold and silver will be leached with a dilute cyanide solution and recovered using a carbon adsorption-desorption-recovery process to produce doré bars. The adsorption equipment will be located at Hasbrouck and will produce loaded carbon which will be loaded into bins and trucked to Three Hills for desorption and precious metals recovery to produce doré bars. Carbon will be reactivated at Three Hills and will be transported back to Hasbrouck for reuse.

25.6 Capital and Operating Costs

Detailed capital and operating costs have been estimated based on vendor and contractor quotations for all significant cost items and MDA consider them appropriate for a pre-feasibility study.

25.7 Economic Analysis and Sensitivity

The economic analysis is based on 100% of the project. West Kirkland has a 75% interest in the project and has the right to make an offer on the remaining 25%. The economic analysis shows that the Hasbrouck project provides a 26% internal rate of return with an $75.3 million dollar net present value (5% discount rate). After completion of construction, the mine life was estimated to be 1.9 years for Three Hills and 6.1 years for Hasbrouck, for a total project mine life of 8.0 years. The payback period is 3.7 years (not including the construction period). Adjusted operating costs are estimated to be $8.86 per ton of ore or $708 per recovered ounce of gold (based on World Gold Council Non-GAPP Metrics).

All-in sustaining cost is estimated to be $779 and all-in cost is $1,005 per recovered ounce of gold (based on World Gold Council Non-GAPP Metrics).

Economic analysis shows that mining the Three Hills deposit without the Hasbrouck deposit would result in a 1.9 year mine life recovering 138,000 ounces of gold, an after-tax net present value (5%) of $20.6 million, and a 28% internal rate of return. Delaying the start-up of the Hasbrouck Mine by 4 months would preserve a positive cash balance and eliminate the requirement for growth funding to construct the Hasbrouck Mine, but reduces the net present value for the project by about $4.4 million, and reduces the internal rate of return by 2%.

25.8 Risks and Opportunities

MDA has identified a number of risks and opportunities that may affect the economics of the Hasbrouck project.

25.8.1 External Risks

- The project's economic viability is generally at risk from changes in external factors which would lead to increases in input costs (construction costs, operating costs), or a fall in the price of gold or silver which would reduce revenue.
- A decrease in gold or silver price would not only reduce revenue, but would also reduce the amount of economically minable ore as a decrease in metal prices would result in a higher cut-off grade Under the current gold price environment, the reserves are considered robust. Sensitivity to gold prices is given in Table 22.5.
- The project's economic viability is generally at risk from internal factors not being as predicted in this study, such as poor construction or operational execution.
- While no environmental and permitting risks are currently identified, this is an area where risk to cost and schedule generally exist. Typical environmental and permitting risks include items being discovered on the project site such as sensitive or endangered botany, or cultural artifacts, which would have the effect of extending schedules, increasing permitting costs, and potentially making permitting impossible at either of the Three Hills and Hasbrouck Mines.

25.8.2 Internal, Project-Specific Risks

Internal risks specific to this project are identified here.

Decrease in Resources:

- Current drill spacing is adequate and there is a low risk of a decrease in resources due to additional drilling and subsequent re-modeling and re-estimations.

Construction Execution and Operational Risk

- The project economics may be at risk from internal factors such as poor construction or operational execution, with resultant cost and schedule over-runs, scope creep, and increased operating costs. This is mitigated by supplying a management team to oversee construction.

Metallurgical and Processing Efficiency Risks:

- Should the metallurgical efficiencies and reagent consumption rates assumed in this study not be generally achieved, the project would not achieve the economic performance predicted in this study.
- There is a risk that permeability in a full-scale heap leach at Three Hills will be inadequate. Compacted permeability tests using ore from Three Hills which was known

not to represent ROM ore sizing showed unacceptably low permeability. The particle size distribution of ROM ore will be coarser than that tested, and the risk of poor permeability at full-scale is deemed to be low. This slight risk can be mitigated by performing permeability tests on ROM material and making appropriate adjustments during the early phases of mining.

- Predicted gold recovery from Three Hills ore is based on the results of a column leach test on material that is somewhat finer than ROM ore is expected to be. The expected gold recovery predicted by the test could therefore be biased high. This risk can be mitigated by performing column leach tests using ore that is representative of ROM material.
- This study contemplates using certain pieces of mobile crushing and screening equipment at the Hasbrouck Mine, that will tend to have lower availability and higher maintenance costs over time than non-mobile equipment. Thus the availability factor in this study may have been overstated. This risk can be mitigated by increasing the robustness of foundations that mobile equipment will be mounted on to approximate those of non-mobile equipment.
- There are multiple transfer points and multiple complex splitting chutes in the crushing design for the Hasbrouck ore. Material handling complications might reduce the throughput of the crushing circuit. This risk can be mitigated by minimizing the number of splitting chutes, and where they remain in the circuit, paying careful attention to their design to avoid restrictions to material flow by computer-modelling of material flows.

Risk of Increased Operating Costs

- Fuel price used in this study for contract mining is $2.50 per gallon (note that fuel taxes are not applicable and have not been included) based on markets and quotations at the time of publication. Quotations received have been as low as $2.00 per gallon delivered to site, and the current fuel market remains subject to downward pressures. However, if the cost of fuel rises, mining costs will be adversely affected.
- Contract mining costs are based on quotations received from contractors prior to the increase in production rates for Hasbrouck from 15,000 tpd of ore to 17,500 tpd. MDA adjusted the received contract mining costs based on unit rates, and while this is believed to be a reasonable approach for a pre-feasibility study, the costs so derived have not been vetted by the contractors. This risk can be mitigated by obtaining budget costs from contractors for a production rate of 17,500 tpd of ore.
- Geotechnical studies are preliminary at Hasbrouck Mine and additional drilling is recommended to raise the level of certainty for final pit slope angles. There is a risk that such geotechnical studies might result in flatter pit slopes than used in this study, which would have an adverse impact on costs and reserves.
- Finding and keeping the skilled employees required to operate the Hasbrouck project might prove a challenge, given its rural location. Inadequate staffing would tend to increase operating costs by reducing operating efficiencies and increasing repair and maintenance costs. Recruiting costs might be higher than predicted.

- There is a risk that Tonopah Public Utilities either cannot, or will not, supply water for the project, or that the terms under which they offer to supply water are unacceptable. This risk can be mitigated by developing alternative sources of water, one of which would be to appropriate ground water for each mine.

25.8.3 Opportunities

The following opportunities have been identified.

Potential for Resource Expansion and Upgrade:

- Additional drilling along the periphery of the Hasbrouck and Three Hills deposits has the potential to extend the resources to the east and west at Hasbrouck, and to the east and southeast at Three Hills. Such expansion could improve the project economics by reducing waste, extending the life of mine and increasing overall revenues.
- Additional drilling could also result in reclassification of resources from Inferred to Indicated, and from Indicated to Measured. Within the pits there are 3.3 million tons of Inferred resources that are currently treated as waste. Any upgrade of Inferred material to Indicated or higher classification, could improve the project economics by increasing ore and reducing waste tonnage, extending the life of mine and increasing overall revenues.

Potential Decrease in Mining Costs

- Contract mining costs are based on budgetary quotations from contractors. The study has already applied a 5% discount to quotations, however competitive bidding based on a full understanding of the project may result in additional reduction to contractor pricing.
- Engaging contractors more closely in the mine planning and design might result in identifying cost-reductions.
- The possibility of installing one large cone crusher vs. two small units with associated screens and conveyors should be investigated to determine if crushing capital and operating costs would be reduced.
- Mining costs may be reduced by West Kirkland deciding to operate the mine using their own equipment and employees, thus avoiding paying for the contractor's profit. The increase in initial and sustaining capital for mining equipment might be mitigated by leasing equipment.
- Additional geotechnical studies might result in pit slopes being steepened, leading to a smaller amount of waste rock to be mined per ton of ore. Geotechnical information gained from mining operations at Three Hills may help geotechnical understanding of the Hasbrouck mine in common geotechnical domains, which may allow for further steepening of the Hasbrouck Mine.

Potential to Increase Metallurgical Efficiency

- HPGR crushing and micro-fracturing performance might be understated in the laboratory due to the very short time that samples take to be crushed by the HPGR, typically

measured in seconds or, for larger samples, several minutes. Such short runs do not allow time to optimize HPGR settings. It is expected that under steady-state running at full-scale that fine tuning of crushing parameters, such as the amount of choke feeding, recirculation, roll rotation speed, and roll closing force, will result in greater efficiency in crushing and micro-fracturing which in turn will result in higher gold and silver recovery than indicated by laboratory scale tests.

- The HPGR model selected for this study was a first-pass choice. A larger machine would allow a greater amount of recirculation which would result in a finer product size and consequently a greater recovery of gold and silver.
- Bottle roll tests on HPGR crushed lower Siebert material may have understated gold recovery relative to gold recovery that could be expected from column leach tests, perhaps by an amount similar to the 6% increase demonstrated with upper Siebert ore.
- Faster gold recovery from solution, and hence more efficient operation, might be achieved at the Hasbrouck Mine by increasing the number of carbon columns in the adsorption plant from 5 to 6 columns.
- Additional metal recovery from both the Three Hills and Hasbrouck mines might occur beyond the leach cycle time assumed in this study.

Potential to Decrease Processing Construction Costs

- The overall design of the crushing and screening plant presented in this study is a first-pass design and was not reviewed by equipment suppliers. The opportunity exists to optimize the crushing and screening plant general arrangement, and individual components, with the help of equipment suppliers' input. Areas that are especially targeted for review include the configuration of grizzlies at the primary crusher (both static and vibrating), and conveyor layouts to and from the secondary crushers.
- A pug mill was included in the Hasbrouck process plant to address the concern that the HPGR might produce "cake" rather than granular particles if there is sufficient clay-sized material and moisture in the HPGR feed. Caked material would tend to reduce agglomeration and access of solutions to the ore once place in the heap. In reality caked material might not form at all, making the pug mill unnecessary, or cake might only form under wet weather conditions which would allow material to by-pass the pug mill under most conditions and so reduce operating costs.
- The various construction and capital equipment costs used in this study are based on budget costs obtained from one source in each case. It is possible that lower costs might be obtained by more broadcast competitive bidding.
- All purchased items in this study have been costed at new prices. It is possible that certain items might be purchased used, either as-is or refurbished, which would have the effect of reducing capex while still providing cost-effective performance over the relatively short life of mine. Items that are appropriate for this approach include mobile offices, certain crushing and screening equipment, conveying equipment, emergency diesel generators, certain laboratory equipment, certain pumps, certain mobile equipment (fork-lifts, tele-hoists, skid-steer loaders), and certain electrical equipment (transformers).

- The earthworks component of civil construction might be performed in part, or all, by mining equipment. This could reduce construction costs as mining equipment tends to operate at a lower unit cost than civil equipment, and in addition might eliminate the need for mobilization and de-mobilization of construction equipment, which would offer further cost savings.
- It is possible that carbon might be stripped and regenerated under contract at a third-party facility. It will only be possible to determine if this is possible when the project is funded, allowing negotiations with owners of carbon stripping plants to be held in earnest. Third-party carbon stripping and regeneration would remove the need for an Adsorption/Desorption plant to be erected at the Three Hills Mine, thus reducing initial capital requirements, project footprint, and rehabilitation costs. It would probably mean an increase in operating cost, as the contractor doing the stripping would require profit to be built into his price.

Potential to Decrease Processing Operating Costs

- Predicted consumption of cyanide at the Three Hills and Hasbrouck mines was based on data from column leach tests using 500 ppm NaCN concentrations. It is common in many heap leach operations to utilize a lower cyanide concentration than predicted by laboratory-scale testing. Typical field concentrations can be in the range of 125-250 ppm where the ore is relatively free of significant cyanide-consuming constituents. Actual consumption may be lower than has been assumed in this study; a lower cyanide concentration would lead to lower cyanide costs.
- It may be possible to reduce operating costs by optimizing crew rotations and hours.
- Mobile equipment has been included in the Hasbrouck crushing circuit design. A thorough review of the crushing system using stationary equipment could identify possible design changes that could result in lower operating costs.

26.0 RECOMMENDATIONS

MDA proposes the following recommendations to advance the Hasbrouck property toward production, with estimated costs as shown in Table 26.1. The estimated costs of the recommendations total $2,630,000.

Table 26.1 Cost Estimate for Recommendations

FEASIBILITY STUDY	**$ 1,820,000**
Mineral Reserve	$ 50,000
Metallurgy Testwork	$ 350,000
Process Engineering	$ 400,000
Heap Leach, Civils, Infrastructure	$ 350,000
Survey	$ 20,000
Geotechnical	$ 650,000
PERMITTING	**$ 810,000**
Permit Application Development (3HM)	$ 190,000
Permit Application Development (HBM)	$ 620,000

26.1 Feasibility Study

While it is not expected that the overall configuration of the project will change, a feasibility study is recommended to improve the reliability and accuracy of the cost estimate and form the basis for a construction decision. This should include:

- Geotechnical study for pit design at the Hasbrouck Mine,
- Geotechnical study for foundations at the Hasbrouck Mine crushing and screening plant and HLF,
- Hydrogeological study of ground water at the Hasbrouck Mine, and
- Metallurgical tests of Three Hills and Hasbrouck Mine ore.

26.2 Resource Expansion

Additional exploration drilling is not included in the immediate production recommendations. However, Three Hills will benefit from additional drilling to the east and northeast of the main deposit in the future while there is potential for resource expansion along trend to the west and east at Hasbrouck. This drilling is planned to take place once WK has developed sufficient cash

flow from operations and will likely occur during Hasbrouck deposit mining. This cost is not included in the economic analysis at this time.

Resources should be updated during operations if additional exploration drilling is completed. The cost of this type of work has not been included in the recommendations or cash-flow model.

26.3 Resource Upgrade

No infill drilling, with a focus on upgrading the resource, is currently recommended. Should mineralization of interest be intercepted with any geotechnical or metallurgical drilling, then WK should contemplate a simple update of the resource model with the data acquired.

26.4 Mining

Mining contractors should provide budget costs based on a fuller understanding of the project in order that efficiencies may be identified. A study of a leased, owner-operated fleet should be completed to compare with contract mining costs.

26.5 Pit Slope Confirmation and Steepening

Golder Associates recommend that further geotechnical studies be performed at both deposits to raise confidence in predicted pit slopes to feasibility level at both deposits, and to potentially steepen currently assumed pit slopes at both deposits. At Three Hills, recommended work does not include further drilling but involves certain field work and a review of existing core. At Hasbrouck, recommended work includes drilling four diamond drill holes and associated field work and engineering studies. The slope parameters used in this study are conservatively chosen due to the amount of available information.

26.6 Metallurgical Testing

Gold recovery predictions made in this report for Three Hills ore should be confirmed by performing leach tests on ore samples that more closely represent the size particle distribution for ROM ore.

To determine the optimum settings of the HPGR, such as the amount of choke feeding, recirculation, roll rotation speed, and roll closing force, tests are recommended to be performed in which the effects of varying settings are measured. These tests will entail larger samples than have been used to date.

Bottle roll tests on HPGR crushed lower Siebert material may have understated gold recovery compared to gold recovery that could be expected from column leach tests, perhaps by an amount similar to the 6% increase demonstrated with upper Siebert ore. To evaluate this effect, column leach tests are recommended on the lower Siebert ore that was used in in bottle roll tests.

Compacted permeability and column leach tests should be conducted on material representing ROM ore to confirm that adequate percolation will occur in a heap leach of the designed height.

26.7 Processing

The crushing circuit design should be reviewed. Using permanently installed equipment versus mobile equipment should be examined to maximize circuit availability.

The number of splitting chutes and complex transfer points in the system should be minimized to the extent possible.

26.8 Crushing and Screening Plant Optimization

The overall design of the crushing and screening plant presented in this study is a first-pass design and was not reviewed by equipment suppliers. The opportunity exists to optimize the crushing and screening plant general arrangement with the help of equipment suppliers' input, which may lead to lower capital and operating costs. Areas that are targeted for this analysis include the configuration of grizzlies at the primary crusher (both static and vibrating), and conveyor layouts to and from the secondary crushers.

26.9 HPGR Size

The HPGR model selected for this study was a first-pass choice. It is possible that a larger machine would allow greater recirculation, which would result in finer product size and hence greater gold and silver recovery. Further testwork is recommended to select the optimum size HPGR.

HPGR machine specifications and operating costs should be confirmed by further testing, including abrasion and power-consumption studies.

26.10 Hasbrouck Pug Mill

Tests are recommended to determine the probability of "cake" being produced by the HPGR under various conditions of clay content and moisture, and hence confirm or otherwise eliminate the need for a pug mill.

26.11 Hasbrouck Mine Adsorption Plant

Analysis is recommended to select the optimum numbers, size, and configuration of carbon columns in the Hasbrouck adsorption plant.

26.12 Used Equipment

The purchase or securing in similar manner of used equipment is recommended, allowing the cost of such equipment to be used in future studies of the project.

26.13 Civil Construction Using Mining Equipment

Mining contractors should be approached for budget prices for the earthworks component of civil construction to establish if cost savings might be made in this way.

26.14 Water Supply

An engineering study of the upgrades and additions necessary at the Tonopah Public Utilities' infrastructure to allow the supply of water to the project should be performed. Such study will confirm the technical viability of obtaining water from TPU, establish costs, identify the owners of land that pipelines will be installed on, and generally form the basis for an agreement for the purchase and sale of water to the project by TPU.

Alternative sources of water for the project should be developed in case water cannot economically be sourced from TPU. This will involve obtaining a water right, either from the Nevada state engineer or by purchasing or leasing one from the owner of an existing water right.

26.15 Fire Fighting Water

Approval by the state fire marshal should be sought for the fire-fighting water system proposed in this study.

26.16 Environmental

Permitting should continue for both the Three Hills and Hasbrouck mines, with the target of obtaining key construction and operating permits as needed to maintain the project schedule.

26.17 Land Ownership

Land ownership and/or the rights to install infrastructure on non-owned land are recommended to be secured where these are necessary for the project.

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28.0 DATE AND SIGNATURE PAGE

Effective Date of report: June 19, 2015

Completion Date of report: July 15, 2015

"Paul Tietz" Date Signed: July 15, 2015
Paul Tietz, C.P.G.

"Thomas L. Dyer" Date Signed: July 15, 2015
Thomas L. Dyer, P.E.

" Herbert C. Osborne" Date Signed: July 15, 2015
Herbert C. Osborne

" Ryan T. Baker" Date Signed: July 15, 2015
Ryan T. Baker

" Carl E. Defilippi" Date Signed: July 15, 2015
Carl E. Defilippi

Table 28.1 List of Responsibilities of Qualified Persons

Technical Report Section	Company	Responsible Qualified Persons
1 Executive Summary	MDA, KCA, NewFields, HCOA	Sign-off by Section
2 Introduction	MDA	Paul Tietz
3 Reliance on Other Experts	MDA	Paul Tietz
4 Property Description and Location	MDA	Paul Tietz
5 Accessibility, Physiography, Climate Local Resources and Infrastructure	MDA	Paul Tietz
6 History	MDA	Paul Tietz
7 Geologic Setting and Mineralization	MDA	Paul Tietz
8 Deposit Types	MDA	Paul Tietz
9 Exploration	MDA	Paul Tietz
10 Drilling	MDA	Paul Tietz
11 Sample Preparation, Analyses, and Security	MDA	Paul Tietz
12 Data Verification	MDA	Paul Tietz
13 Metallurgical Testing and Mineral Processing	HCOA	Herbert Osborne
14 Mineral Resources	MDA	Paul Tietz
15 Mineral Reserve Estimates	MDA	Thomas Dyer
16 Mining Methods	MDA	Thomas Dyer
17 Recovery Methods	KCA, NewFields	Carl Defilippi, Ryan Baker
18 Project Infrastructure	NewFields, MDA, KCA	Ryan Baker, Carl Defilippi, Thomas Dyer
19 Market Studies and Contracts	MDA	Thomas Dyer
20 Environmental Studies, Permitting, and Social or Community Impact	MDA	Paul Tietz, Thomas Dyer
21 Capital and Operating Costs	MDA	Thomas Dyer, Carl Defilippi, Ryan Baker
22 Economic Analysis	MDA	Thomas Dyer
23 Adjacent Properties	MDA	Paul Tietz
24 Other Relevant Data and Information	MDA	Thomas Dyer
25 Interpretations and Conclusions	MDA, KCA, NewFields, HCOA	Sign-off by Section
26 Recommendations	MDA, KCA, NewFields, HCOA	Sign-off by Section
27 References	MDA	Paul Tietz

29.0 CERTIFICATE OF QUALIFIED PERSON

PAUL TIETZ, C.P.G.

I, Paul Tietz, C.P.G., do hereby certify that:

1. I am currently employed as Senior Geologist for Mine Development Associates, Inc. located at 210 South Rock Blvd., Reno, Nevada 89502 and

2. I graduated with a Bachelor of Science degree in Biology/Geology from the University of Rochester in 1977, a Master of Science degree in Geology from the University of North Carolina, Chapel Hill in 1981, and a Master of Science degree in Geological Engineering from the University of Nevada, Reno in 2004.

3. I am a Certified Professional Geologist (#11004) with the American Institute of Professional Geologists and have worked as a geologist in the mining industry for more than 30 years.

4. I have read the definition of "qualified person" set out in National Instrument 43-101 ("NI 43-101"). I have previously explored, drilled, evaluated and modelled similar gold deposits in volcanic rocks in Nevada and elsewhere. I certify that by reason of my education, affiliation with certified professional associations, and past relevant work experience, I fulfill the requirements to be a "qualified person" for the purposes of NI 43-101.

5. I am one of the authors of this technical report titled *"Technical Report and Preliminary Feasibility Study: Hasbrouck and Three Hills Gold-Silver Project, Esmeralda County, Nevada"* prepared for West Kirkland Mining Inc., and dated July 15, 2015. Subject to those issues discussed in Section 3.0, I am responsible for Sections 2 through 12, 14, 23, and 27, and take co-responsibility for Sections 1, 20, 25, and 26 of the Technical Report.

6. I have not had prior involvement with the property that is the subject of this Technical Report. I visited the Hasbrouck project site on July 25, 2014, after inspections in June, 2014 of project drill core stored at Allied's Hycroft Mine near Gerlach, Nevada, and at Kappes Cassiday and Associates in Reno, Nevada.

7. To the best of my knowledge, information and belief, the technical report contains the necessary scientific and technical information to make the technical report not misleading.

8. I am independent of West Kirkland Mining Inc. and related companies applying all of the tests in Section 1.5 of National Instrument 43-101 and in Section 1.5 of the Companion Policy to NI 43-101.

9. I have read National Instrument 43-101 and Form 43-101F1, and the Technical Report has been prepared in accordance with the requirements of that instrument and form.

Dated this July 15, 2015

"Paul Tietz"
Signature of Qualified Person

Paul Tietz
Print Name of Qualified Person

CERTIFICATE OF QUALIFIED PERSON

THOMAS L. DYER, P.E.

I, Thomas Dyer, P. E., do hereby certify that I am currently employed as Senior Engineer by Mine Development Associates, Inc., 210 South Rock Blvd., Reno, Nevada 89502 and:

1. I graduated with a Bachelors of Science degree in Mine Engineering from South Dakota School of Mines & Technology in 1996. I have worked as a Mining Engineer for 19 years since graduation. During my Engineering career I have held various positions of increasing responsibility at operating mines performing life of mine planning and cost estimates. During the last 8 years I have been engaged in consulting on various lead, zinc, gold, silver, copper, and limestone deposits both for underground and open pit operations. This consulting work has primarily consisted of providing production schedules, mine cost estimates, and cash-flow analysis.

2. I am registered as a Professional Engineer – Mining in the State of Nevada (# 15729). I am also a Registered Member of SME (# 4029995RM) in good standing.

3. I have read the definition of "qualified person" set out in National Instrument 43-101 ("NI 43-101") and certify that by reason of my education, affiliation with a professional association (as defined in NI 43-101) and past relevant work experience, I fulfill the requirements to be a "qualified person" for the purposes of NI 43-101. I am independent of the issuer applying all of the tests in section 1.5 of National Instrument 43-101.

4. I am one of the authors of this Technical Report titled *"Technical Report and Preliminary Feasibility Study: Hasbrouck and Three Hills Gold-Silver Project, Esmeralda County, Nevada"* and dated July 15, 2015 (the "Technical Report"). I am responsible for the preparation of the sections 15, 16, 19, 22, and 24, and portions of sections 1, 18, 20, 21, 25, and 26, subject to those issues discussed in Section 3.0. I have visited the property on May 1, 2015 to review current infrastructure and scope out future infrastructure and road requirements.

5. I have had no prior involvement with the property.

6. I am not aware of any material fact or material change with respect to the subject matter of the Technical Report that is not reflected in the Technical Report, the omission to disclose which makes the Technical Report misleading.

7. I have read National Instrument 43-101 and Form 43-101F1, and the Technical Report has been prepared in compliance with that instrument and form.

Dated this July 15, 2015

"Thomas L. Dyer"

Thomas L. Dyer
Print Name of Qualified Person

CERTIFICATE OF QUALIFIED PERSON

HERBERT C. OSBORNE

I, Herbert C. Osborne, do hereby certify that I am currently employed as a Metallurgical Engineer by H.C. Osborne and Associates, with a business address of 12885 Lanewood Street, Commerce City ,Colorado 80022

1. I am a graduate of Colorado School of Mines with a degree in Metallurgical Engineering (1961). I am a Registered Member of the Society for Mining, Metallurgy, and Exploration (SME, 2430050RM) . My relevant experience includes more than 20 heap leach designs and operations since 1978.
2. I have read the definition of "qualified person" set out in National Instrument 43-101 ("NI 43-101") and certify that by reason of my education, affiliation with a professional association (as defined in NI 43-101) and past relevant work experience, I fulfill the requirements to be a "qualified person" for the purposes of NI 43-101.
3. I am responsible for preparing Section 13, and I am co-responsible for portions of Section 1 and 25 of this report titled *"Technical Report and Preliminary Feasibility Study: Hasbrouck and Three Hills Gold-Silver Project, Esmeralda County, Nevada"* and dated July 15, 2015.
4. I have no prior involvement with the Properties that are the subject of the Technical Report. I have not visited the site for this report, but I am familiar with the district from previous projects..
5. As of the effective date of the Technical Report, to the best of my knowledge, information and belief, the Technical Report contains all scientific and technical information that is required to be disclosed to make the Technical Report not misleading.
6. I am independent of West Kirkland Mining Inc. and related companies applying all of the tests in Section 1.5 of National Instrument 43-101 and in Section 1.5 of the Companion Policy to NI 43-101.
7. I have read National Instrument 43-101 and Form 43-101F1, and the Technical Report has been prepared in accordance with the requirements of that instrument and form.

Dated this July 15, 2015.

"Herbert C. Osborne"

Herbert C. Osborne
Print Name of Qualified Person

CERTIFICATE OF QUALIFIED PERSON

RYAN T. BAKER

I, Ryan T. Baker, do hereby certify that I am currently employed as Principal Engineer by NewFields Mining Design & Technical Services, LLC, with a business address of 9400 Station Street, Suite 300, Lone Tree, CO 80124 and:

1. I am a graduate of Colorado State University with a Bachelor of Science degree in Civil Engineering (1993). I am a registered Professional Engineer in Nevada (#13947), Alaska (#11172), Idaho (#10226), Colorado (#36988), Missouri (PE2008000049), and New Mexico (#22110). I am a Registered Member of the Society for Mining, Metallurgy, and Exploration (SME, #4204584) and the American Society of Civil Engineers (ASCE, #307827). My relevant experience includes heap leach and tailings storage facility and mine surface infrastructure design and inspection since 1994.
2. I have read the definition of "qualified person" set out in National Instrument 43-101 ("NI 43-101") and certify that by reason of my education, affiliation with a professional association (as defined in NI 43-101) and past relevant work experience, I fulfill the requirements to be a "qualified person" for the purposes of NI 43-101.
3. I am responsible for preparing portions of portions of Sections 17, 18, and 21 of this report titled *"Technical Report and Preliminary Feasibility Study: Hasbrouck and Three Hills Gold-Silver Project, Esmeralda County, Nevada"* and dated July 15, 2015, and I am co-responsible for portions of Section 1.
4. I have no prior involvement with the Properties that are the subject of the Technical Report. I visited the Hasbrouck Mine and Three Hills Mine sites on May 1, 2014.
5. As of the effective date of the Technical Report, to the best of my knowledge, information and belief, the Technical Report contains all scientific and technical information that is required to be disclosed to make the Technical Report not misleading.
6. I am independent of West Kirkland Mining Inc. and related companies applying all of the tests in Section 1.5 of National Instrument 43-101 and in Section 1.5 of the Companion Policy to NI 43-101.
7. I have read National Instrument 43-101 and Form 43-101F1, and the Technical Report has been prepared in accordance with the requirements of that instrument and form.

Dated this July 15, 2015.

"Ryan T. Baker"

Ryan T. Baker
Print Name of Qualified Person

CERTIFICATE OF QUALIFIED PERSON

CARL E. DEFILIPPI

I, Carl E. Defilippi, M.Sc., C.E.M., do hereby certify that I am currently employed as Senior Engineer for Kappes, Cassiday & Associates located at 7950 Security Circle, Reno, Nevada 89506 and:

1. I graduated with a Bachelor of Science degree in Chemical Engineering from the University of Nevada in 1978 and a Master of Science degree in Metallurgical Engineering from the University of Nevada in 1981;

2. I am a Registered Member of the Society for Mining, Metallurgy and Exploration (775870 RM) and I have worked as a Metallurgical Engineer for 36 years;

3. I have read the definition of "qualified person" set out in National Instrument 43-101 ("NI 43-101") and certify that by reason of my education, affiliation with a professional association (as defined in NI 43-101) and past relevant work experience, I fulfill the requirements to be a "qualified person" for the purposes of NI 43-101.

4. I am independent of West Kirkland Mining Ltd. and related companies applying all of the tests in section 1.5 of National Instrument 43-101. I participated in a scoping study on Hasbrouck for Allied Nevada in 2011. Other than that study, I have had no prior involvement with the Hasbrouck Project;

5. I am one of the authors of this Technical Report entitled *"Technical Report and Preliminary Feasibility Study: Hasbrouck and Three Hills Gold-Silver Project, Esmeralda County, Nevada"*, prepared for West Kirkland Mining Inc., and dated July 15, 2015. I am responsible for Section 17 (except 17.1.6.2 and 17.2.9), Sections 18.1.10.1 through 18.10.3, 18.2.2, 18.2.3, and applicable sections of 21, 25, 26 and 27 of the Technical Report;

6. I visited the Three Hills and Hasbrouck Project sites on May 1, 2014;

7. As of the effective date of this Technical Report, to the best of my knowledge, information and belief, the part of the Technical Report for which I am responsible contains all scientific and technical information that is required to be disclosed to make the Technical Report not misleading;

8. I have read National Instrument 43-101 and Form 43-101F1, and the Technical Report has been prepared in accordance with the requirements that Instrument and Form.

Dated this July 15, 2015.

"Carl Defilippi"

Carl Defillipi
Print Name of Qualified Person

APPENDIX A
List of Claims for the Hasbrouck Project

Location: All claims are located in Esmeralda County and Nye County, Nevada

Hasbrouck Unpatented Claims

AREA	ClaimName	Claim Owner	Location Date	BLM Serial No.	Filing County
Hasbrouck	HSB 1	WK Mining (USA)	3/14/2011	NMC1043485	Esmeralda
Hasbrouck	HSB 2	WK Mining (USA)	3/14/2011	NMC1043486	Esmeralda
Hasbrouck	HSB 3	WK Mining (USA)	3/14/2011	NMC1043487	Esmeralda
Hasbrouck	HSB 4	WK Mining (USA)	3/14/2011	NMC1043488	Esmeralda
Hasbrouck	HSB 5	WK Mining (USA)	3/14/2011	NMC1043489	Esmeralda
Hasbrouck	HSB 6	WK Mining (USA)	3/14/2011	NMC1043490	Esmeralda
Hasbrouck	HSB 7	WK Mining (USA)	3/14/2011	NMC1043491	Esmeralda
Hasbrouck	HSB 8	WK Mining (USA)	3/14/2011	NMC1043492	Esmeralda
Hasbrouck	HSB 9	WK Mining (USA)	3/14/2011	NMC1043493	Esmeralda
Hasbrouck	HSB 10	WK Mining (USA)	3/14/2011	NMC1043494	Esmeralda
Hasbrouck	HSB 11	WK Mining (USA)	3/14/2011	NMC1043495	Esmeralda
Hasbrouck	HSB 12	WK Mining (USA)	3/14/2011	NMC1043496	Esmeralda
Hasbrouck	HSB 13	WK Mining (USA)	3/14/2011	NMC1043497	Esmeralda
Hasbrouck	HSB 14	WK Mining (USA)	3/14/2011	NMC1043498	Esmeralda
Hasbrouck	HSB 15	WK Mining (USA)	3/14/2011	NMC1043499	Esmeralda
Hasbrouck	HSB 16	WK Mining (USA)	3/13/2011	NMC1043500	Esmeralda
Hasbrouck	HSB 17	WK Mining (USA)	3/13/2011	NMC1043501	Esmeralda
Hasbrouck	HSB 18	WK Mining (USA)	3/13/2011	NMC1043502	Esmeralda
Hasbrouck	HSB 19	WK Mining (USA)	3/13/2011	NMC1043503	Esmeralda
Hasbrouck	HSB 20	WK Mining (USA)	3/13/2011	NMC1043504	Esmeralda
Hasbrouck	HSB 21	WK Mining (USA)	3/13/2011	NMC1043505	Esmeralda
Hasbrouck	HSB 22	WK Mining (USA)	3/13/2011	NMC1043506	Esmeralda
Hasbrouck	HSB 23	WK Mining (USA)	3/13/2011	NMC1043507	Esmeralda
Hasbrouck	HSB 24	WK Mining (USA)	3/13/2011	NMC1043508	Esmeralda
Hasbrouck	HSB 25	WK Mining (USA)	3/13/2011	NMC1043509	Esmeralda
Hasbrouck	HSB 26	WK Mining (USA)	3/13/2011	NMC1043510	Esmeralda
Hasbrouck	HSB 27	WK Mining (USA)	3/13/2011	NMC1043511	Esmeralda
Hasbrouck	HSB 28	WK Mining (USA)	3/13/2011	NMC1043512	Esmeralda
Hasbrouck	HSB 29	WK Mining (USA)	3/13/2011	NMC1043513	Esmeralda
Hasbrouck	HSB 30	WK Mining (USA)	3/13/2011	NMC1043514	Esmeralda
Hasbrouck	HSB 31	WK Mining (USA)	3/13/2011	NMC1043515	Esmeralda
Hasbrouck	HSB 32	WK Mining (USA)	3/13/2011	NMC1043516	Esmeralda
Hasbrouck	HSB 33	WK Mining (USA)	3/13/2011	NMC1043517	Esmeralda
Hasbrouck	HSB 34	WK Mining (USA)	3/13/2011	NMC1043518	Esmeralda
Hasbrouck	HSB 35	WK Mining (USA)	3/13/2011	NMC1043519	Esmeralda
Hasbrouck	HSB 36	WK Mining (USA)	3/13/2011	NMC1043520	Esmeralda
Hasbrouck	HSB 37	WK Mining (USA)	3/13/2011	NMC1043521	Esmeralda
Hasbrouck	HSB 38	WK Mining (USA)	3/13/2011	NMC1043522	Esmeralda
Hasbrouck	HSB 39	WK Mining (USA)	3/13/2011	NMC1043523	Esmeralda
Hasbrouck	HSB 40	WK Mining (USA)	3/13/2011	NMC1043524	Esmeralda
Hasbrouck	HSB 41	WK Mining (USA)	3/13/2011	NMC1043525	Esmeralda
Hasbrouck	HSB 42	WK Mining (USA)	3/13/2011	NMC1043526	Esmeralda

AREA	ClaimName	Claim Owner	Location Date	BLM Serial No.	Filing County
Hasbrouck	HSB 43	WK Mining (USA)	3/13/2011	NMC1043527	Esmeralda
Hasbrouck	HSB 44	WK Mining (USA)	3/13/2011	NMC1043528	Esmeralda
Hasbrouck	HSB 45	WK Mining (USA)	3/13/2011	NMC1043529	Esmeralda
Hasbrouck	HSB 46	WK Mining (USA)	3/13/2011	NMC1043530	Esmeralda
Hasbrouck	HSB 47	WK Mining (USA)	3/13/2011	NMC1043531	Esmeralda
Hasbrouck	HSB 48	WK Mining (USA)	3/13/2011	NMC1043532	Esmeralda
Hasbrouck	HSB 49	WK Mining (USA)	3/13/2011	NMC1043533	Esmeralda
Hasbrouck	HSB 50	WK Mining (USA)	3/13/2011	NMC1043534	Esmeralda
Hasbrouck	HSB 51	WK Mining (USA)	3/13/2011	NMC1043535	Esmeralda
Hasbrouck	HSB 52	WK Mining (USA)	3/13/2011	NMC1043536	Esmeralda
Hasbrouck	HSB 53	WK Mining (USA)	3/13/2011	NMC1043537	Esmeralda
Hasbrouck	HSB 54	WK Mining (USA)	3/13/2011	NMC1043538	Esmeralda
Hasbrouck	HSB 55	WK Mining (USA)	3/13/2011	NMC1043539	Esmeralda
Hasbrouck	HSB 56	WK Mining (USA)	3/13/2011	NMC1043540	Esmeralda
Hasbrouck	HSB 57	WK Mining (USA)	3/13/2011	NMC1043541	Esmeralda
Hasbrouck	HSB 58	WK Mining (USA)	3/13/2011	NMC1043542	Esmeralda
Hasbrouck	HSB 59	WK Mining (USA)	3/13/2011	NMC1043543	Esmeralda
Hasbrouck	HSB 60	WK Mining (USA)	3/13/2011	NMC1043544	Esmeralda
Hasbrouck	HSB 61	WK Mining (USA)	3/13/2011	NMC1043545	Esmeralda
Hasbrouck	HSB 62	WK Mining (USA)	3/13/2011	NMC1043546	Esmeralda
Hasbrouck	HSB 63	WK Mining (USA)	3/13/2011	NMC1043547	Esmeralda
Hasbrouck	HSB 64	WK Mining (USA)	3/13/2011	NMC1043548	Esmeralda
Hasbrouck	HSB 65	WK Mining (USA)	3/13/2011	NMC1043549	Esmeralda
Hasbrouck	HSB 66	WK Mining (USA)	3/13/2011	NMC1043550	Esmeralda
Hasbrouck	HSB 67	WK Mining (USA)	3/13/2011	NMC1043551	Esmeralda
Hasbrouck	HSB 68	WK Mining (USA)	3/13/2011	NMC1043552	Esmeralda
Hasbrouck	HSB 69	WK Mining (USA)	3/13/2011	NMC1043553	Esmeralda
Hasbrouck	HSB 70	WK Mining (USA)	3/13/2011	NMC1043554	Esmeralda
Hasbrouck	HSB 71	WK Mining (USA)	3/13/2011	NMC1043555	Esmeralda
Hasbrouck	HSB 72	WK Mining (USA)	3/13/2011	NMC1043556	Esmeralda
Hasbrouck	HSB 73	WK Mining (USA)	3/13/2011	NMC1043557	Esmeralda
Hasbrouck	HSB 74	WK Mining (USA)	3/13/2011	NMC1043558	Esmeralda
Hasbrouck	HSB 75	WK Mining (USA)	3/13/2011	NMC1043559	Esmeralda
Hasbrouck	HSB 76	WK Mining (USA)	3/13/2011	NMC1043560	Esmeralda
Hasbrouck	HSB 77	WK Mining (USA)	3/13/2011	NMC1043561	Esmeralda
Hasbrouck	HSB 78	WK Mining (USA)	3/13/2011	NMC1043562	Esmeralda
Hasbrouck	HSB 79	WK Mining (USA)	3/13/2011	NMC1043563	Esmeralda
Hasbrouck	HSB 80	WK Mining (USA)	3/13/2011	NMC1043564	Esmeralda
Hasbrouck	HSB 81	WK Mining (USA)	3/13/2011	NMC1043565	Esmeralda
Hasbrouck	HSB 82	WK Mining (USA)	3/13/2011	NMC1043566	Esmeralda
Hasbrouck	HSB 83	WK Mining (USA)	3/13/2011	NMC1043567	Esmeralda
Hasbrouck	HSB 84	WK Mining (USA)	3/13/2011	NMC1043568	Esmeralda
Hasbrouck	HSB 85	WK Mining (USA)	3/13/2011	NMC1043569	Esmeralda
Hasbrouck	HSB 86	WK Mining (USA)	3/13/2011	NMC1043570	Esmeralda
Hasbrouck	HSB 87	WK Mining (USA)	3/13/2011	NMC1043571	Esmeralda
Hasbrouck	HSB 88	WK Mining (USA)	3/13/2011	NMC1043572	Esmeralda

AREA	ClaimName	Claim Owner	Location Date	BLM Serial No.	Filing County
Hasbrouck	HSB 89	WK Mining (USA)	3/13/2011	NMC1043573	Esmeralda
Hasbrouck	HSB 90	WK Mining (USA)	3/13/2011	NMC1043574	Esmeralda
Hasbrouck	HSB 91	WK Mining (USA)	3/13/2011	NMC1043575	Esmeralda
Hasbrouck	HSB 92	WK Mining (USA)	3/13/2011	NMC1043576	Esmeralda
Hasbrouck	HSB 93	WK Mining (USA)	3/13/2011	NMC1043577	Esmeralda
Hasbrouck	HSB 94	WK Mining (USA)	3/13/2011	NMC1043578	Esmeralda
Hasbrouck	HSB 95	WK Mining (USA)	3/13/2011	NMC1043579	Esmeralda
Hasbrouck	HSB 96	WK Mining (USA)	3/13/2011	NMC1043580	Esmeralda
Hasbrouck	HSB 97	WK Mining (USA)	3/13/2011	NMC1043581	Esmeralda
Hasbrouck	HSB 98	WK Mining (USA)	3/13/2011	NMC1043582	Esmeralda
Hasbrouck	HSB 99	WK Mining (USA)	3/13/2011	NMC1043583	Esmeralda
Hasbrouck	HSB 100	WK Mining (USA)	3/13/2011	NMC1043584	Esmeralda
Hasbrouck	HSB 101	WK Mining (USA)	3/13/2011	NMC1043585	Esmeralda
Hasbrouck	HSB 102	WK Mining (USA)	3/13/2011	NMC1043586	Esmeralda
Hasbrouck	HSB 103	WK Mining (USA)	3/13/2011	NMC1043587	Esmeralda
Hasbrouck	HSB 104	WK Mining (USA)	3/13/2011	NMC1043588	Esmeralda
Hasbrouck	HSB 105	WK Mining (USA)	3/13/2011	NMC1043589	Esmeralda
Hasbrouck	HSB 106	WK Mining (USA)	3/13/2011	NMC1043590	Esmeralda
Hasbrouck	HSB 107	WK Mining (USA)	3/13/2011	NMC1043591	Esmeralda
Hasbrouck	HSB 108	WK Mining (USA)	3/13/2011	NMC1043592	Esmeralda
Hasbrouck	HSB 109	WK Mining (USA)	3/13/2011	NMC1043593	Esmeralda
Hasbrouck	HSB 110	WK Mining (USA)	3/13/2011	NMC1043594	Esmeralda
Hasbrouck	HSB 111	WK Mining (USA)	3/13/2011	NMC1043595	Esmeralda
Hasbrouck	HSB 112	WK Mining (USA)	3/13/2011	NMC1043596	Esmeralda
Hasbrouck	HSB 113	WK Mining (USA)	3/13/2011	NMC1043597	Esmeralda
Hasbrouck	HSB 114	WK Mining (USA)	3/13/2011	NMC1043598	Esmeralda
Hasbrouck	HSB 115	WK Mining (USA)	3/13/2011	NMC1043599	Esmeralda
Hasbrouck	HSB 116	WK Mining (USA)	3/13/2011	NMC1043600	Esmeralda
Hasbrouck	HSB 117	WK Mining (USA)	3/13/2011	NMC1043601	Esmeralda
Hasbrouck	HSB 118	WK Mining (USA)	3/13/2011	NMC1043602	Esmeralda
Hasbrouck	HSB 119	WK Mining (USA)	3/13/2011	NMC1043603	Esmeralda
Hasbrouck	HSB 120	WK Mining (USA)	3/13/2011	NMC1043604	Esmeralda
Hasbrouck	HSB 121	WK Mining (USA)	3/13/2011	NMC1043605	Esmeralda
Hasbrouck	HSB 122	WK Mining (USA)	3/13/2011	NMC1043606	Esmeralda
Hasbrouck	HSB 123	WK Mining (USA)	3/13/2011	NMC1043607	Esmeralda
Hasbrouck	HSB 124	WK Mining (USA)	3/13/2011	NMC1043608	Esmeralda
Hasbrouck	HSB 125	WK Mining (USA)	3/13/2011	NMC1043609	Esmeralda
Hasbrouck	HSB 126	WK Mining (USA)	3/13/2011	NMC1043610	Esmeralda
Hasbrouck	HSB 127	WK Mining (USA)	3/13/2011	NMC1043611	Esmeralda
Hasbrouck	HSB 128	WK Mining (USA)	3/13/2011	NMC1043612	Esmeralda
Hasbrouck	HSB 129	WK Mining (USA)	3/13/2011	NMC1043613	Esmeralda
Hasbrouck	HSB 130	WK Mining (USA)	3/13/2011	NMC1043614	Esmeralda
Hasbrouck	HSB 131	WK Mining (USA)	3/13/2011	NMC1043615	Esmeralda
Hasbrouck	HSB 132	WK Mining (USA)	3/13/2011	NMC1043616	Esmeralda
Hasbrouck	HSB 133	WK Mining (USA)	3/13/2011	NMC1043617	Esmeralda
Hasbrouck	HSB 134	WK Mining (USA)	3/13/2011	NMC1043618	Esmeralda

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Hasbrouck	HSB 135	WK Mining (USA)	3/13/2011	NMC1043619	Esmeralda
Hasbrouck	HSB 136	WK Mining (USA)	3/13/2011	NMC1043620	Esmeralda
Hasbrouck	HSB 137	WK Mining (USA)	3/13/2011	NMC1043621	Esmeralda
Hasbrouck	HSB 138	WK Mining (USA)	3/13/2011	NMC1043622	Esmeralda
Hasbrouck	HSB 139	WK Mining (USA)	3/13/2011	NMC1043623	Esmeralda
Hasbrouck	HSB 140	WK Mining (USA)	3/13/2011	NMC1043624	Esmeralda
Hasbrouck	HSB 141	WK Mining (USA)	3/13/2011	NMC1043625	Esmeralda
Hasbrouck	HSB 142	WK Mining (USA)	3/13/2011	NMC1043626	Esmeralda
Hasbrouck	HSB 143	WK Mining (USA)	3/13/2011	NMC1043627	Esmeralda
Hasbrouck	HSB 144	WK Mining (USA)	3/13/2011	NMC1043628	Esmeralda
Hasbrouck	HSB 145	WK Mining (USA)	3/13/2011	NMC1043629	Esmeralda
Hasbrouck	HSB 146	WK Mining (USA)	3/13/2011	NMC1043630	Esmeralda
Hasbrouck	HSB 147	WK Mining (USA)	3/13/2011	NMC1043631	Esmeralda
Hasbrouck	HSB 148	WK Mining (USA)	3/13/2011	NMC1043632	Esmeralda
Hasbrouck	HSB 149	WK Mining (USA)	3/13/2011	NMC1043633	Esmeralda
Hasbrouck	HSB 150	WK Mining (USA)	3/13/2011	NMC1043634	Esmeralda
Hasbrouck	HSB 151	WK Mining (USA)	3/13/2011	NMC1043635	Esmeralda
Hasbrouck	HSB 152	WK Mining (USA)	3/13/2011	NMC1043636	Esmeralda
Hasbrouck	HSB 153	WK Mining (USA)	3/13/2011	NMC1043637	Esmeralda
Hasbrouck	HSB 154	WK Mining (USA)	3/13/2011	NMC1043638	Esmeralda
Hasbrouck	HSB 155	WK Mining (USA)	3/13/2011	NMC1043639	Esmeralda
Hasbrouck	HSB 156	WK Mining (USA)	3/13/2011	NMC1043640	Esmeralda
Hasbrouck	HSB 157	WK Mining (USA)	3/13/2011	NMC1043641	Esmeralda
Hasbrouck	HSB 158	WK Mining (USA)	3/13/2011	NMC1043642	Esmeralda
Hasbrouck	HSB 159	WK Mining (USA)	3/13/2011	NMC1043643	Esmeralda
Hasbrouck	HSB 160	WK Mining (USA)	3/13/2011	NMC1043644	Esmeralda
Hasbrouck	HSB 161	WK Mining (USA)	3/13/2011	NMC1043645	Esmeralda
Hasbrouck	HSB 162	WK Mining (USA)	3/13/2011	NMC1043646	Esmeralda
Hasbrouck	HSB 163	WK Mining (USA)	3/13/2011	NMC1043647	Esmeralda
Hasbrouck	HSB 164	WK Mining (USA)	3/13/2011	NMC1043648	Esmeralda
Hasbrouck	HSB 165	WK Mining (USA)	3/13/2011	NMC1043649	Esmeralda
Hasbrouck	HSB 166	WK Mining (USA)	3/13/2011	NMC1043650	Esmeralda
Hasbrouck	HSB 167	WK Mining (USA)	3/13/2011	NMC1043651	Esmeralda
Hasbrouck	HSB 168	WK Mining (USA)	3/13/2011	NMC1043652	Esmeralda
Hasbrouck	HSB 169	WK Mining (USA)	3/13/2011	NMC1043653	Esmeralda
Hasbrouck	HSB 170	WK Mining (USA)	3/13/2011	NMC1043654	Esmeralda
Hasbrouck	HSB 171	WK Mining (USA)	3/13/2011	NMC1043655	Esmeralda
Hasbrouck	HSB 172	WK Mining (USA)	3/13/2011	NMC1043656	Esmeralda
Hasbrouck	HSB 173	WK Mining (USA)	3/13/2011	NMC1043657	Esmeralda
Hasbrouck	HSB 174	WK Mining (USA)	3/13/2011	NMC1043658	Esmeralda
Hasbrouck	HSB 175	WK Mining (USA)	3/13/2011	NMC1043659	Esmeralda
Hasbrouck	HSB 176	WK Mining (USA)	3/13/2011	NMC1043660	Esmeralda
Hasbrouck	HSB 177	WK Mining (USA)	3/13/2011	NMC1043661	Esmeralda
Hasbrouck	HSB 178	WK Mining (USA)	3/13/2011	NMC1043662	Esmeralda
Hasbrouck	HSB 179	WK Mining (USA)	3/13/2011	NMC1043663	Esmeralda
Hasbrouck	HSB 180	WK Mining (USA)	3/13/2011	NMC1043664	Esmeralda

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Hasbrouck	HSB 181	WK Mining (USA)	3/14/2011	NMC1043665	Esmeralda
Hasbrouck	HSB 182	WK Mining (USA)	3/14/2011	NMC1043666	Esmeralda
Hasbrouck	HSB 183	WK Mining (USA)	3/14/2011	NMC1043667	Esmeralda
Hasbrouck	HSB 184	WK Mining (USA)	3/14/2011	NMC1043668	Esmeralda
Hasbrouck	HSB 185	WK Mining (USA)	3/14/2011	NMC1043669	Esmeralda
Hasbrouck	HSB 186	WK Mining (USA)	3/14/2011	NMC1043670	Esmeralda
Hasbrouck	HSB 187	WK Mining (USA)	3/14/2011	NMC1043671	Esmeralda
Hasbrouck	HSB 188	WK Mining (USA)	3/14/2011	NMC1043672	Esmeralda
Hasbrouck	HSB 189	WK Mining (USA)	3/14/2011	NMC1043673	Esmeralda
Hasbrouck	HSB 190	WK Mining (USA)	3/14/2011	NMC1043674	Esmeralda
Hasbrouck	HSB 191	WK Mining (USA)	3/14/2011	NMC1043675	Esmeralda
Hasbrouck	HSB 192	WK Mining (USA)	3/14/2011	NMC1043676	Esmeralda
Hasbrouck	HSB 193	WK Mining (USA)	3/14/2011	NMC1043677	Esmeralda
Hasbrouck	HSB 194	WK Mining (USA)	3/14/2011	NMC1043678	Esmeralda
Hasbrouck	HSB 195	WK Mining (USA)	3/14/2011	NMC1043679	Esmeralda
Hasbrouck	HSB 196	WK Mining (USA)	3/14/2011	NMC1043680	Esmeralda
Hasbrouck	HSB 197	WK Mining (USA)	3/14/2011	NMC1043681	Esmeralda
Hasbrouck	HSB 198	WK Mining (USA)	3/14/2011	NMC1043682	Esmeralda
Hasbrouck	HSB 199	WK Mining (USA)	3/14/2011	NMC1043683	Esmeralda
Hasbrouck	HSB 200	WK Mining (USA)	3/14/2011	NMC1043684	Esmeralda
Hasbrouck	HSB 201	WK Mining (USA)	3/14/2011	NMC1043685	Esmeralda
Hasbrouck	HSB 202	WK Mining (USA)	4/9/2011	NMC1043686	Esmeralda
Hasbrouck	HSB 203	WK Mining (USA)	4/9/2011	NMC1043687	Esmeralda
Hasbrouck	HSB 204	WK Mining (USA)	4/9/2011	NMC1043688	Esmeralda
Hasbrouck	HSB 205	WK Mining (USA)	4/9/2011	NMC1043689	Esmeralda
Hasbrouck	HSB 206	WK Mining (USA)	4/9/2011	NMC1043690	Esmeralda
Hasbrouck	HSB 207	WK Mining (USA)	4/9/2011	NMC1043691	Esmeralda
Hasbrouck	HSB 208	WK Mining (USA)	4/9/2011	NMC1043692	Esmeralda
Hasbrouck	HSB 209	WK Mining (USA)	4/9/2011	NMC1043693	Esmeralda
Hasbrouck	HSB 210	WK Mining (USA)	4/9/2011	NMC1043694	Esmeralda
Hasbrouck	HSB 211	WK Mining (USA)	4/9/2011	NMC1043695	Esmeralda
Hasbrouck	HSB 212	WK Mining (USA)	4/9/2011	NMC1043696	Esmeralda
Hasbrouck	HSB 213	WK Mining (USA)	4/9/2011	NMC1043697	Esmeralda
Hasbrouck	HSB 214	WK Mining (USA)	4/9/2011	NMC1043698	Esmeralda
Hasbrouck	HSB 215	WK Mining (USA)	4/9/2011	NMC1043699	Esmeralda
Hasbrouck	HSB 216	WK Mining (USA)	4/9/2011	NMC1043700	Esmeralda
Hasbrouck	HSB 217	WK Mining (USA)	4/9/2011	NMC1043701	Esmeralda
Hasbrouck	HSB 218	WK Mining (USA)	4/9/2011	NMC1043702	Esmeralda
Hasbrouck	HSB 219	WK Mining (USA)	4/9/2011	NMC1043703	Esmeralda
Hasbrouck	HSB 220	WK Mining (USA)	4/9/2011	NMC1043704	Esmeralda
Hasbrouck	HSB 221	WK Mining (USA)	4/9/2011	NMC1043705	Esmeralda
Hasbrouck	HSB 222	WK Mining (USA)	4/9/2011	NMC1043706	Esmeralda
Hasbrouck	HSB 223	WK Mining (USA)	4/9/2011	NMC1043707	Esmeralda
Hasbrouck	HSB 224	WK Mining (USA)	4/9/2011	NMC1043708	Esmeralda
Hasbrouck	HSB 225	WK Mining (USA)	4/9/2011	NMC1043709	Esmeralda
Hasbrouck	HSB 226	WK Mining (USA)	4/9/2011	NMC1043710	Esmeralda

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Hasbrouck	HSB 227	WK Mining (USA)	4/9/2011	NMC1043711	Esmeralda
Hasbrouck	HSB 228	WK Mining (USA)	4/9/2011	NMC1043712	Esmeralda
Hasbrouck	HSB 229	WK Mining (USA)	4/9/2011	NMC1043713	Esmeralda
Hasbrouck	HSB 230	WK Mining (USA)	4/9/2011	NMC1043714	Esmeralda
Hasbrouck	HSB 231	WK Mining (USA)	4/9/2011	NMC1043715	Esmeralda
Hasbrouck	HSB 232	WK Mining (USA)	4/9/2011	NMC1043716	Esmeralda
Hasbrouck	HSB 233	WK Mining (USA)	4/9/2011	NMC1043717	Esmeralda
Hasbrouck	HSB 234	WK Mining (USA)	4/9/2011	NMC1043718	Esmeralda
Hasbrouck	HSB 235	WK Mining (USA)	4/9/2011	NMC1043719	Esmeralda
Hasbrouck	HSB 236	WK Mining (USA)	4/9/2011	NMC1043720	Esmeralda
Hasbrouck	HSB 237	WK Mining (USA)	4/8/2011	NMC1043721	Esmeralda
Hasbrouck	HSB 238	WK Mining (USA)	4/8/2011	NMC1043722	Esmeralda
Hasbrouck	HSB 239	WK Mining (USA)	4/8/2011	NMC1043723	Esmeralda
Hasbrouck	HSB 240	WK Mining (USA)	4/8/2011	NMC1043724	Esmeralda
Hasbrouck	HSB 241	WK Mining (USA)	4/8/2011	NMC1043725	Esmeralda
Hasbrouck	HSB 242	WK Mining (USA)	4/8/2011	NMC1043726	Esmeralda
Hasbrouck	HSB 243	WK Mining (USA)	4/8/2011	NMC1043727	Esmeralda
Hasbrouck	HSB 244	WK Mining (USA)	4/8/2011	NMC1043728	Esmeralda
Hasbrouck	HSB 245	WK Mining (USA)	4/8/2011	NMC1043729	Esmeralda
Hasbrouck	HSB 246	WK Mining (USA)	4/8/2011	NMC1043730	Esmeralda
Hasbrouck	HSB 247	WK Mining (USA)	4/8/2011	NMC1043731	Esmeralda
Hasbrouck	HSB 248	WK Mining (USA)	4/8/2011	NMC1043732	Esmeralda
Hasbrouck	HSB 249	WK Mining (USA)	4/8/2011	NMC1043733	Esmeralda
Hasbrouck	HSB 250	WK Mining (USA)	4/8/2011	NMC1043734	Esmeralda
Hasbrouck	HSB 251	WK Mining (USA)	4/8/2011	NMC1043735	Esmeralda
Hasbrouck	HSB 252	WK Mining (USA)	4/8/2011	NMC1043736	Esmeralda
Hasbrouck	HSB 253	WK Mining (USA)	4/8/2011	NMC1043737	Esmeralda
Hasbrouck	HSB 254	WK Mining (USA)	4/8/2011	NMC1043738	Esmeralda
Hasbrouck	HSB 255	WK Mining (USA)	4/8/2011	NMC1043739	Esmeralda
Hasbrouck	HSB 256	WK Mining (USA)	4/8/2011	NMC1043740	Esmeralda
Hasbrouck	HSB 257	WK Mining (USA)	4/8/2011	NMC1043741	Esmeralda
Hasbrouck	HSB 258	WK Mining (USA)	4/8/2011	NMC1043742	Esmeralda
Hasbrouck	HSB 259	WK Mining (USA)	4/8/2011	NMC1043743	Esmeralda
Hasbrouck	HSB 260	WK Mining (USA)	4/8/2011	NMC1043744	Esmeralda
Hasbrouck	HSB 261	WK Mining (USA)	4/8/2011	NMC1043745	Esmeralda
Hasbrouck	HSB 262	WK Mining (USA)	4/8/2011	NMC1043746	Esmeralda
Hasbrouck	HSB 263	WK Mining (USA)	4/8/2011	NMC1043747	Esmeralda
Hasbrouck	HSB 264	WK Mining (USA)	4/8/2011	NMC1043748	Esmeralda
Hasbrouck	HSB 265	WK Mining (USA)	4/8/2011	NMC1043749	Esmeralda
Hasbrouck	HSB 266	WK Mining (USA)	4/8/2011	NMC1043750	Esmeralda
Hasbrouck	HSB 267	WK Mining (USA)	4/8/2011	NMC1043751	Esmeralda
Hasbrouck	HSB 268	WK Mining (USA)	4/8/2011	NMC1043752	Esmeralda
Hasbrouck	HSB 269	WK Mining (USA)	4/8/2011	NMC1043753	Esmeralda
Hasbrouck	HSB 270	WK Mining (USA)	4/8/2011	NMC1043754	Esmeralda
Hasbrouck	HSB 271	WK Mining (USA)	4/8/2011	NMC1043755	Esmeralda
Hasbrouck	HSB 272	WK Mining (USA)	4/8/2011	NMC1043756	Esmeralda

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Hasbrouck	HSB 273	WK Mining (USA)	4/8/2011	NMC1043757	Esmeralda
Hasbrouck	HSB 274	WK Mining (USA)	4/8/2011	NMC1043758	Esmeralda
Hasbrouck	HSB 275	WK Mining (USA)	4/8/2011	NMC1043759	Esmeralda
Hasbrouck	HSB 276	WK Mining (USA)	4/8/2011	NMC1043760	Esmeralda
Hasbrouck	HSB 277	WK Mining (USA)	4/8/2011	NMC1043761	Esmeralda
Hasbrouck	HSB 278	WK Mining (USA)	4/8/2011	NMC1043762	Esmeralda
Hasbrouck	HSB 279	WK Mining (USA)	4/8/2011	NMC1043763	Esmeralda
Hasbrouck	HSB 280	WK Mining (USA)	4/8/2011	NMC1043764	Esmeralda
Hasbrouck	HSB 281	WK Mining (USA)	4/8/2011	NMC1043765	Esmeralda
Hasbrouck	HSB 282	WK Mining (USA)	4/8/2011	NMC1043766	Esmeralda
Hasbrouck	HSB 283	WK Mining (USA)	4/8/2011	NMC1043767	Esmeralda
Hasbrouck	HSB 284	WK Mining (USA)	4/8/2011	NMC1043768	Esmeralda
Hasbrouck	HSB 285	WK Mining (USA)	4/8/2011	NMC1043769	Esmeralda
Hasbrouck	HSB 286	WK Mining (USA)	4/8/2011	NMC1043770	Esmeralda
Hasbrouck	HSB 287	WK Mining (USA)	4/8/2011	NMC1043771	Esmeralda
Hasbrouck	HSB 288	WK Mining (USA)	4/8/2011	NMC1043772	Esmeralda
Hasbrouck	HSB 289	WK Mining (USA)	4/8/2011	NMC1043773	Esmeralda
Hasbrouck	HSB 290	WK Mining (USA)	4/8/2011	NMC1043774	Esmeralda
Hasbrouck	HSB 291	WK Mining (USA)	4/8/2011	NMC1043775	Esmeralda
Hasbrouck	HSB 292	WK Mining (USA)	4/8/2011	NMC1043776	Esmeralda
Hasbrouck	HSB 293	WK Mining (USA)	4/8/2011	NMC1043777	Esmeralda
Hasbrouck	HSB 294	WK Mining (USA)	4/8/2011	NMC1043778	Esmeralda
Hasbrouck	HSB 295	WK Mining (USA)	4/8/2011	NMC1043779	Esmeralda
Hasbrouck	HSB 296	WK Mining (USA)	4/8/2011	NMC1043780	Esmeralda
Hasbrouck	HSB 297	WK Mining (USA)	4/8/2011	NMC1043781	Esmeralda
Hasbrouck	HSB 298	WK Mining (USA)	4/8/2011	NMC1043782	Esmeralda
Hasbrouck	HSB 299	WK Mining (USA)	4/8/2011	NMC1043783	Esmeralda
Hasbrouck	HSB 300	WK Mining (USA)	4/8/2011	NMC1043784	Esmeralda
Hasbrouck	HSB 301	WK Mining (USA)	4/8/2011	NMC1043785	Esmeralda
Hasbrouck	HSB 302	WK Mining (USA)	4/8/2011	NMC1043786	Esmeralda
Hasbrouck	HSB 303	WK Mining (USA)	4/8/2011	NMC1043787	Esmeralda
Hasbrouck	HSB 304	WK Mining (USA)	4/8/2011	NMC1043788	Esmeralda
Hasbrouck	HSB 305	WK Mining (USA)	4/8/2011	NMC1043789	Esmeralda
Hasbrouck	HSB 306	WK Mining (USA)	4/8/2011	NMC1043790	Esmeralda
Hasbrouck	HSB 307	WK Mining (USA)	4/8/2011	NMC1043791	Esmeralda
Hasbrouck	HSB 308	WK Mining (USA)	4/8/2011	NMC1043792	Esmeralda
Hasbrouck	HSB 309	WK Mining (USA)	4/8/2011	NMC1043793	Esmeralda
Hasbrouck	HSB 310	WK Mining (USA)	4/8/2011	NMC1043794	Esmeralda
Hasbrouck	HSB 311	WK Mining (USA)	4/8/2011	NMC1043795	Esmeralda
Hasbrouck	HSB 312	WK Mining (USA)	4/8/2011	NMC1043796	Esmeralda
Hasbrouck	HSB 313	WK Mining (USA)	4/8/2011	NMC1043797	Esmeralda
Hasbrouck	HSB 314	WK Mining (USA)	4/8/2011	NMC1043798	Esmeralda
Hasbrouck	HSB 315	WK Mining (USA)	4/8/2011	NMC1043799	Esmeralda
Hasbrouck	HSB 316	WK Mining (USA)	4/8/2011	NMC1043800	Esmeralda
Hasbrouck	HSB 317	WK Mining (USA)	4/8/2011	NMC1043801	Esmeralda
Hasbrouck	HSB 318	WK Mining (USA)	4/8/2011	NMC1043802	Esmeralda

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Hasbrouck	HSB 319	WK Mining (USA)	4/8/2011	NMC1043803	Esmeralda
Hasbrouck	HSB 320	WK Mining (USA)	4/8/2011	NMC1043804	Esmeralda
Hasbrouck	HSB 321	WK Mining (USA)	4/8/2011	NMC1043805	Esmeralda
Hasbrouck	HSB 322	WK Mining (USA)	4/8/2011	NMC1043806	Esmeralda
Hasbrouck	HSB 323	WK Mining (USA)	4/8/2011	NMC1043807	Esmeralda
Hasbrouck	HSB 324	WK Mining (USA)	4/8/2011	NMC1043808	Esmeralda
Hasbrouck	HSB 325	WK Mining (USA)	4/8/2011	NMC1043809	Esmeralda
Hasbrouck	HSB 326	WK Mining (USA)	4/8/2011	NMC1043810	Esmeralda
Hasbrouck	HSB 327	WK Mining (USA)	4/8/2011	NMC1043811	Esmeralda
Hasbrouck	HSB 328	WK Mining (USA)	4/8/2011	NMC1043812	Esmeralda
Hasbrouck	HSB 329	WK Mining (USA)	4/8/2011	NMC1043813	Esmeralda
Hasbrouck	HSB 330	WK Mining (USA)	4/8/2011	NMC1043814	Esmeralda
Hasbrouck	HSB 331	WK Mining (USA)	4/8/2011	NMC1043815	Esmeralda
Hasbrouck	HSB 332	WK Mining (USA)	4/8/2011	NMC1043816	Esmeralda
Hasbrouck	HSB 333	WK Mining (USA)	4/8/2011	NMC1043817	Esmeralda
Hasbrouck	HSB 334	WK Mining (USA)	4/8/2011	NMC1043818	Esmeralda
Hasbrouck	HSB 335	WK Mining (USA)	4/8/2011	NMC1043819	Esmeralda
Hasbrouck	HSB 336	WK Mining (USA)	4/8/2011	NMC1043820	Esmeralda
Hasbrouck	HSB 337	WK Mining (USA)	4/8/2011	NMC1043821	Esmeralda
Hasbrouck	HSB 338	WK Mining (USA)	4/8/2011	NMC1043822	Esmeralda
Hasbrouck	HSB 339	WK Mining (USA)	4/8/2011	NMC1043823	Esmeralda
Hasbrouck	HSB 340	WK Mining (USA)	4/8/2011	NMC1043824	Esmeralda
Hasbrouck	HSB 341	WK Mining (USA)	4/8/2011	NMC1043825	Esmeralda
Hasbrouck	HSB 342	WK Mining (USA)	4/8/2011	NMC1043826	Esmeralda
Hasbrouck	HSB 343	WK Mining (USA)	4/8/2011	NMC1043827	Esmeralda
Hasbrouck	HSB 344	WK Mining (USA)	4/8/2011	NMC1043828	Esmeralda
Hasbrouck	HSB 345	WK Mining (USA)	4/8/2011	NMC1043829	Esmeralda
Hasbrouck	HSB 346	WK Mining (USA)	4/8/2011	NMC1043830	Esmeralda
Hasbrouck	HSB 347	WK Mining (USA)	4/8/2011	NMC1043831	Esmeralda
Hasbrouck	HSB 348	WK Mining (USA)	4/8/2011	NMC1043832	Esmeralda
Hasbrouck	HSB 349	WK Mining (USA)	4/8/2011	NMC1043833	Esmeralda
Hasbrouck	HSB 350	WK Mining (USA)	4/8/2011	NMC1043834	Esmeralda
Hasbrouck	HSB 351	WK Mining (USA)	4/8/2011	NMC1043835	Esmeralda
Hasbrouck	HSB 352	WK Mining (USA)	4/8/2011	NMC1043836	Esmeralda
Hasbrouck	HSB 353	WK Mining (USA)	4/8/2011	NMC1043837	Esmeralda
Hasbrouck	HSB 354	WK Mining (USA)	4/8/2011	NMC1043838	Esmeralda
Hasbrouck	HSB 355	WK Mining (USA)	4/8/2011	NMC1043839	Esmeralda
Hasbrouck	HSB 356	WK Mining (USA)	4/8/2011	NMC1043840	Esmeralda
Hasbrouck	HSB 357	WK Mining (USA)	4/8/2011	NMC1043841	Esmeralda
Hasbrouck	HSB 358	WK Mining (USA)	4/8/2011	NMC1043842	Esmeralda
Hasbrouck	HSB 359	WK Mining (USA)	4/8/2011	NMC1043843	Esmeralda
Hasbrouck	HSB 360	WK Mining (USA)	4/8/2011	NMC1043844	Esmeralda
Hasbrouck	HSB 361	WK Mining (USA)	4/8/2011	NMC1043845	Esmeralda
Hasbrouck	HSB 362	WK Mining (USA)	4/8/2011	NMC1043846	Esmeralda
Hasbrouck	HSB 363	WK Mining (USA)	4/8/2011	NMC1043847	Esmeralda
Hasbrouck	HSB 364	WK Mining (USA)	4/8/2011	NMC1043848	Esmeralda

AREA	ClaimName	Claim Owner	Location Date	BLM Serial No.	Filing County
Hasbrouck	HSB 365	WK Mining (USA)	4/8/2011	NMC1043849	Esmeralda
Hasbrouck	HSB 366	WK Mining (USA)	4/7/2011	NMC1043850	Esmeralda
Hasbrouck	HSB 367	WK Mining (USA)	4/7/2011	NMC1043851	Esmeralda
Hasbrouck	HSB 368	WK Mining (USA)	4/7/2011	NMC1043852	Esmeralda
Hasbrouck	HSB 369	WK Mining (USA)	4/7/2011	NMC1043853	Esmeralda
Hasbrouck	HSB 370	WK Mining (USA)	4/7/2011	NMC1043854	Esmeralda
Hasbrouck	HSB 371	WK Mining (USA)	4/7/2011	NMC1043855	Esmeralda
Hasbrouck	HSB 372	WK Mining (USA)	4/7/2011	NMC1043856	Esmeralda
Hasbrouck	HSB 373	WK Mining (USA)	4/7/2011	NMC1043857	Esmeralda
Hasbrouck	HSB 374	WK Mining (USA)	4/7/2011	NMC1043858	Esmeralda
Hasbrouck	HSB 375	WK Mining (USA)	4/7/2011	NMC1043859	Esmeralda
Hasbrouck	HSB 376	WK Mining (USA)	4/7/2011	NMC1043860	Esmeralda
Hasbrouck	HSB 377	WK Mining (USA)	4/7/2011	NMC1043861	Esmeralda
Hasbrouck	HSB 378	WK Mining (USA)	4/7/2011	NMC1043862	Esmeralda
Hasbrouck	HSB 379	WK Mining (USA)	4/7/2011	NMC1043863	Esmeralda
Hasbrouck	HSB 380	WK Mining (USA)	4/8/2011	NMC1043864	Esmeralda
Hasbrouck	HSB 381	WK Mining (USA)	4/8/2011	NMC1043865	Esmeralda
Hasbrouck	HSB 382	WK Mining (USA)	4/8/2011	NMC1043866	Esmeralda
Hasbrouck	HSB 383	WK Mining (USA)	4/8/2011	NMC1043867	Esmeralda
Hasbrouck	HSB 384	WK Mining (USA)	4/8/2011	NMC1043868	Esmeralda
Hasbrouck	HSB 385	WK Mining (USA)	4/7/2011	NMC1043869	Esmeralda
Hasbrouck	HSB 386	WK Mining (USA)	4/7/2011	NMC1043870	Esmeralda
Hasbrouck	HSB 387	WK Mining (USA)	4/7/2011	NMC1043871	Esmeralda
Hasbrouck	HSB 388	WK Mining (USA)	4/7/2011	NMC1043872	Esmeralda
Hasbrouck	HSB 389	WK Mining (USA)	4/7/2011	NMC1043873	Esmeralda
Hasbrouck	HSB 390	WK Mining (USA)	4/7/2011	NMC1043874	Esmeralda
Hasbrouck	HSB 391	WK Mining (USA)	4/7/2011	NMC1043875	Esmeralda
Hasbrouck	HSB 392	WK Mining (USA)	4/7/2011	NMC1043876	Esmeralda
Hasbrouck	HSB 393	WK Mining (USA)	4/7/2011	NMC1043877	Esmeralda
Hasbrouck	HSB 394	WK Mining (USA)	4/7/2011	NMC1043878	Esmeralda
Hasbrouck	HSB 395	WK Mining (USA)	4/7/2011	NMC1043879	Esmeralda
Hasbrouck	HSB 396	WK Mining (USA)	4/7/2011	NMC1043880	Esmeralda
Hasbrouck	HSB 397	WK Mining (USA)	4/7/2011	NMC1043881	Esmeralda
Hasbrouck	HSB 398	WK Mining (USA)	4/7/2011	NMC1043882	Esmeralda
Hasbrouck	HSB 399	WK Mining (USA)	4/7/2011	NMC1043883	Esmeralda
Hasbrouck	HSB 400	WK Mining (USA)	4/7/2011	NMC1043884	Esmeralda
Hasbrouck	HSB 401	WK Mining (USA)	4/7/2011	NMC1043885	Esmeralda
Hasbrouck	HSB 402	WK Mining (USA)	4/7/2011	NMC1043886	Esmeralda
Hasbrouck	HSB 403	WK Mining (USA)	4/7/2011	NMC1043887	Esmeralda
Hasbrouck	HSB 404	WK Mining (USA)	4/7/2011	NMC1043888	Esmeralda
Hasbrouck	HSB 405	WK Mining (USA)	4/7/2011	NMC1043889	Esmeralda
Hasbrouck	HSB 406	WK Mining (USA)	4/7/2011	NMC1043890	Esmeralda
Hasbrouck	HSB 407	WK Mining (USA)	4/7/2011	NMC1043891	Esmeralda
Hasbrouck	HSB 408	WK Mining (USA)	4/7/2011	NMC1043892	Esmeralda
Hasbrouck	HSB 409	WK Mining (USA)	4/7/2011	NMC1043893	Esmeralda
Hasbrouck	HSB 410	WK Mining (USA)	4/7/2011	NMC1043894	Esmeralda

AREA	ClaimName	Claim Owner	Location Date	BLM Serial No.	Filing County
Hasbrouck	HSB 411	WK Mining (USA)	4/7/2011	NMC1043895	Esmeralda
Hasbrouck	HSB 412	WK Mining (USA)	4/7/2011	NMC1043896	Esmeralda
Hasbrouck	HSB 413	WK Mining (USA)	4/7/2011	NMC1043897	Esmeralda
Hasbrouck	HSB 414	WK Mining (USA)	4/7/2011	NMC1043898	Esmeralda
Hasbrouck	HSB 415	WK Mining (USA)	4/7/2011	NMC1043899	Esmeralda
Hasbrouck	HSB 416	WK Mining (USA)	4/7/2011	NMC1043900	Esmeralda
Hasbrouck	HSB 417	WK Mining (USA)	4/7/2011	NMC1043901	Esmeralda
Hasbrouck	HSB 418	WK Mining (USA)	4/7/2011	NMC1043902	Esmeralda
Hasbrouck	HSB 419	WK Mining (USA)	4/7/2011	NMC1043903	Esmeralda
Hasbrouck	HSB 420	WK Mining (USA)	4/7/2011	NMC1043904	Esmeralda
Hasbrouck	HSB 421	WK Mining (USA)	4/7/2011	NMC1043905	Esmeralda
Hasbrouck	HSB 422	WK Mining (USA)	4/7/2011	NMC1043906	Esmeralda
Hasbrouck	HSB 423	WK Mining (USA)	4/7/2011	NMC1043907	Esmeralda
Hasbrouck	HSB 424	WK Mining (USA)	4/7/2011	NMC1043908	Esmeralda
Hasbrouck	HSB 427	WK Mining (USA)	4/7/2011	NMC1043911	Esmeralda
Hasbrouck	HSB 428	WK Mining (USA)	4/7/2011	NMC1043912	Esmeralda
Hasbrouck	MLTDR	WK Mining (USA)	08/27/13	NMC 1094006	Esmeralda
Hasbrouck	MLTD1R	WK Mining (USA)	08/27/13	NMC 1094005	Esmeralda
Hasbrouck	NHD #1	WK Mining (USA)	08/13/87	NMC 429920	Esmeralda
Hasbrouck	NHD #3	WK Mining (USA)	08/14/87	NMC 429922	Esmeralda
Hasbrouck	NHD #5	WK Mining (USA)	08/14/87	NMC 429924	Esmeralda
Hasbrouck	NHD #6	WK Mining (USA)	08/14/87	NMC 429925	Esmeralda
Hasbrouck	NHD #10	WK Mining (USA)	08/14/87	NMC 429927	Esmeralda
Hasbrouck	NHD #18	WK Mining (USA)	08/14/87	NMC 429930	Esmeralda
Hasbrouck	NHD #28	WK Mining (USA)	08/14/87	NMC 429931	Esmeralda
Hasbrouck	NHD-7	WK Mining (USA)	01/05/88	NMC 461706	Esmeralda
Hasbrouck	NHD #8	WK Mining (USA)	01/05/88	NMC 461707	Esmeralda
Hasbrouck	NHD #12	WK Mining (USA)	01/05/88	NMC 461708	Esmeralda
Hasbrouck	NHD #132	WK Mining (USA)	11/12/87	NMC 461745	Esmeralda
Hasbrouck	NHD #173	WK Mining (USA)	11/14/87	NMC 461786	Esmeralda
Hasbrouck	NHD #174	WK Mining (USA)	11/14/87	NMC 461787	Esmeralda
Hasbrouck	NHD #175	WK Mining (USA)	11/14/87	NMC 461788	Esmeralda
Hasbrouck	NHD #176	WK Mining (USA)	11/17/87	NMC 461789	Esmeralda
Hasbrouck	NHD #178	WK Mining (USA)	11/15/87	NMC 461790	Esmeralda
Hasbrouck	NHD #179	WK Mining (USA)	11/15/87	NMC 461791	Esmeralda
Hasbrouck	NHD #190	WK Mining (USA)	11/17/87	NMC 461796	Esmeralda
Hasbrouck	NHD #191	WK Mining (USA)	11/17/87	NMC 461797	Esmeralda
Hasbrouck	NHD #192	WK Mining (USA)	11/17/87	NMC 461798	Esmeralda
Hasbrouck	NHD #193	WK Mining (USA)	11/17/87	NMC 461799	Esmeralda
Hasbrouck	NHD #194	WK Mining (USA)	11/17/87	NMC 461800	Esmeralda
Hasbrouck	NHD #195	WK Mining (USA)	11/15/87	NMC 461801	Esmeralda
Hasbrouck	NHD #196	WK Mining (USA)	11/15/87	NMC 461802	Esmeralda
Hasbrouck	NHD #197	WK Mining (USA)	11/15/87	NMC 461803	Esmeralda
Hasbrouck	NHD #198	WK Mining (USA)	11/15/87	NMC 461804	Esmeralda
Hasbrouck	NHD #199	WK Mining (USA)	11/15/87	NMC 461805	Esmeralda
Hasbrouck	NHD #200	WK Mining (USA)	11/17/87	NMC 461806	Esmeralda

AREA	ClaimName	Claim Owner	Location Date	BLM Serial No.	Filing County
Hasbrouck	NHD #203	WK Mining (USA)	11/16/87	NMC 461809	Esmeralda
Hasbrouck	NHD #204	WK Mining (USA)	11/16/87	NMC 461810	Esmeralda
Hasbrouck	NHD #206	WK Mining (USA)	01/05/88	NMC 461812	Esmeralda
Hasbrouck	NHD #207	WK Mining (USA)	01/05/88	NMC 461813	Esmeralda
Hasbrouck	NHD #212	WK Mining (USA)	01/07/88	NMC 461818	Esmeralda
Hasbrouck	New Little Butte	WK Mining (USA)	09/23/92	NMC 670365	Esmeralda
Hasbrouck	New Ltl Butte Frac	WK Mining (USA)	09/23/92	NMC 670366	Esmeralda
Hasbrouck	NHD 154M	WK Mining (USA)	05/09/95	NMC 718388	Esmeralda
Hasbrouck	NHD 155M	WK Mining (USA)	05/09/95	NMC 718389	Esmeralda
Hasbrouck	NHD 156M	WK Mining (USA)	05/09/95	NMC 718390	Esmeralda
Hasbrouck	NHD 157M	WK Mining (USA)	05/09/95	NMC 718391	Esmeralda
Hasbrouck	NHD 158M	WK Mining (USA)	05/09/95	NMC 718392	Esmeralda
Hasbrouck	NHD 159M	WK Mining (USA)	05/09/95	NMC 718393	Esmeralda
Hasbrouck	NHD 169M	WK Mining (USA)	05/09/95	NMC 718394	Esmeralda
Hasbrouck	NHD 171M	WK Mining (USA)	05/09/95	NMC 718395	Esmeralda
Hasbrouck	NHD 186M	WK Mining (USA)	05/09/95	NMC 718396	Esmeralda
Hasbrouck	NHD 187M	WK Mining (USA)	05/09/95	NMC 718397	Esmeralda
Hasbrouck	NHD 188M	WK Mining (USA)	05/09/95	NMC 718398	Esmeralda
Hasbrouck	NHD 189M	WK Mining (USA)	05/09/95	NMC 718399	Esmeralda
Hasbrouck	NHD #167J	WK Mining (USA)	10/28/95	NMC 730689	Esmeralda
Hasbrouck	TP 1	WK Mining (USA)	08/18/03	NMC 853864	Esmeralda
Hasbrouck	TP 2	WK Mining (USA)	08/18/03	NMC 853865	Esmeralda
Hasbrouck	FF 1	WK Mining (USA)	1/22/2011	NMC1041621	Esmeralda
Hasbrouck	FF 2	WK Mining (USA)	1/22/2011	NMC1041622	Esmeralda
Hasbrouck	FF 3	WK Mining (USA)	1/22/2011	NMC1041623	Esmeralda
Hasbrouck	FF 4	WK Mining (USA)	1/22/2011	NMC1041624	Esmeralda
Hasbrouck	FF 5	WK Mining (USA)	1/22/2011	NMC1041625	Esmeralda
Hasbrouck	FF 6	WK Mining (USA)	1/22/2011	NMC1041626	Esmeralda
Hasbrouck	FF 7	WK Mining (USA)	1/22/2011	NMC1041627	Esmeralda
Hasbrouck	FF 8	WK Mining (USA)	1/22/2011	NMC1041628	Esmeralda
Hasbrouck	FF 9	WK Mining (USA)	1/22/2011	NMC1041629	Esmeralda
Hasbrouck	FF 10	WK Mining (USA)	1/22/2011	NMC1041630	Esmeralda
Hasbrouck	FF 11	WK Mining (USA)	1/22/2011	NMC1041631	Esmeralda
Hasbrouck	FF 12	WK Mining (USA)	1/23/2011	NMC1041632	Esmeralda
Hasbrouck	FF 13	WK Mining (USA)	1/23/2011	NMC1041633	Esmeralda
Hasbrouck	FF 14	WK Mining (USA)	1/23/2011	NMC1041634	Esmeralda
Hasbrouck	FF 15	WK Mining (USA)	1/24/2011	NMC1041635	Esmeralda
Hasbrouck	FF 16	WK Mining (USA)	1/24/2011	NMC1041636	Esmeralda
Hasbrouck	FF 17	WK Mining (USA)	1/24/2011	NMC1041637	Esmeralda
Hasbrouck	FF 19	WK Mining (USA)	1/24/2011	NMC1041638	Esmeralda
Hasbrouck	FF 20	WK Mining (USA)	1/25/2011	NMC1041639	Esmeralda
Hasbrouck	FF 21	WK Mining (USA)	1/25/2011	NMC1041640	Esmeralda
Hasbrouck	FF 22	WK Mining (USA)	4/12/2011	NMC1041641	Esmeralda
Hasbrouck	HAS 1	WK Mining (USA)	6/6/2010	NMC 1026485	Esmeralda
Hasbrouck	HAS 2	WK Mining (USA)	6/6/2010	NMC 1026486	Esmeralda

AREA	ClaimName	Claim Owner	Location Date	BLM Serial No.	Filing County
Hasbrouck	HAS 3	WK Mining (USA)	6/6/2010	NMC 1026487	Esmeralda
Hasbrouck	HAS 4	WK Mining (USA)	6/6/2010	NMC 1026488	Esmeralda
Hasbrouck	HAS 5	WK Mining (USA)	6/6/2010	NMC 1026489	Esmeralda
Hasbrouck	HAS 6	WK Mining (USA)	6/6/2010	NMC 1026490	Esmeralda
Hasbrouck	HAS 7	WK Mining (USA)	6/6/2010	NMC 1026491	Esmeralda
Hasbrouck	HAS 8	WK Mining (USA)	6/6/2010	NMC 1026492	Esmeralda
Hasbrouck	HAS 9	WK Mining (USA)	6/6/2010	NMC 1026493	Esmeralda
Hasbrouck	HAS 10	WK Mining (USA)	6/6/2010	NMC 1026494	Esmeralda
Hasbrouck	HAS 11	WK Mining (USA)	6/6/2010	NMC 1026495	Esmeralda
Hasbrouck	HAS 12	WK Mining (USA)	6/6/2010	NMC 1026496	Esmeralda
Hasbrouck	HAS 13	WK Mining (USA)	6/6/2010	NMC 1026497	Esmeralda
Hasbrouck	HAS 14	WK Mining (USA)	6/6/2010	NMC 1026498	Esmeralda
Hasbrouck	HAS 15	WK Mining (USA)	6/6/2010	NMC 1026499	Esmeralda
Hasbrouck	HAS 16	WK Mining (USA)	6/6/2010	NMC 1026500	Esmeralda
Hasbrouck	HAS 17	WK Mining (USA)	6/6/2010	NMC 1026501	Esmeralda
Hasbrouck	HAS 18	WK Mining (USA)	6/6/2010	NMC 1026502	Esmeralda
Hasbrouck	HAS 19	WK Mining (USA)	6/6/2010	NMC 1026503	Esmeralda
Hasbrouck	HAS 20	WK Mining (USA)	6/6/2010	NMC 1026504	Esmeralda
Hasbrouck	HAS 21	WK Mining (USA)	6/6/2010	NMC 1026505	Esmeralda
Hasbrouck	HAS 22	WK Mining (USA)	6/6/2010	NMC 1026506	Esmeralda
Hasbrouck	HAS 23	WK Mining (USA)	6/6/2010	NMC 1026507	Esmeralda
Hasbrouck	HAS 24	WK Mining (USA)	6/6/2010	NMC 1026508	Esmeralda
Hasbrouck	HAS 25	WK Mining (USA)	6/6/2010	NMC 1026509	Esmeralda
Hasbrouck	HAS 26	WK Mining (USA)	6/6/2010	NMC 1026510	Esmeralda
Hasbrouck	HAS 27	WK Mining (USA)	6/6/2010	NMC 1026511	Esmeralda
Hasbrouck	HAS 28	WK Mining (USA)	6/6/2010	NMC 1026512	Esmeralda
Hasbrouck	HAS 29	WK Mining (USA)	6/6/2010	NMC 1026513	Esmeralda
Hasbrouck	HAS 30	WK Mining (USA)	6/6/2010	NMC 1026514	Esmeralda
Hasbrouck	HAS 31	WK Mining (USA)	6/6/2010	NMC 1026515	Esmeralda
Hasbrouck	HAS 32	WK Mining (USA)	6/6/2010	NMC 1026516	Esmeralda
Hasbrouck	HAS 33	WK Mining (USA)	6/6/2010	NMC 1026517	Esmeralda
Hasbrouck	HAS 34	WK Mining (USA)	6/6/2010	NMC 1026518	Esmeralda
Hasbrouck	HAS 35	WK Mining (USA)	6/6/2010	NMC 1026519	Esmeralda
Hasbrouck	HAS 36	WK Mining (USA)	6/6/2010	NMC 1026520	Esmeralda
Hasbrouck	HAS 37	WK Mining (USA)	6/6/2010	NMC 1026521	Esmeralda
Hasbrouck	HAS 38	WK Mining (USA)	6/6/2010	NMC 1026522	Esmeralda
Hasbrouck	HAS 39	WK Mining (USA)	6/6/2010	NMC 1026523	Esmeralda
Hasbrouck	HAS 40	WK Mining (USA)	6/6/2010	NMC 1026524	Esmeralda
Hasbrouck	HAS 41	WK Mining (USA)	6/6/2010	NMC 1026525	Esmeralda
Hasbrouck	HAS 42	WK Mining (USA)	6/6/2010	NMC 1026526	Esmeralda
Hasbrouck	HAS 43	WK Mining (USA)	6/6/2010	NMC 1026527	Esmeralda
Hasbrouck	HAS 44	WK Mining (USA)	6/6/2010	NMC 1026528	Esmeralda
Hasbrouck	HAS 45	WK Mining (USA)	6/6/2010	NMC 1026529	Esmeralda
Hasbrouck	HAS 46	WK Mining (USA)	6/6/2010	NMC 1026530	Esmeralda
Hasbrouck	HAS 47	WK Mining (USA)	6/6/2010	NMC 1026531	Esmeralda
Hasbrouck	HAS 48	WK Mining (USA)	6/6/2010	NMC 1026532	Esmeralda

AREA	ClaimName	Claim Owner	Location Date	BLM Serial No.	Filing County
Hasbrouck	HAS 49	WK Mining (USA)	6/6/2010	NMC 1026533	Esmeralda
Hasbrouck	HAS 50	WK Mining (USA)	6/6/2010	NMC 1026534	Esmeralda
Hasbrouck	HAS 51	WK Mining (USA)	6/6/2010	NMC 1026535	Esmeralda
Hasbrouck	HAS 52	WK Mining (USA)	6/6/2010	NMC 1026536	Esmeralda
Hasbrouck	HAS 53	WK Mining (USA)	6/6/2010	NMC 1026537	Esmeralda
Hasbrouck	HAS 54	WK Mining (USA)	6/6/2010	NMC 1026538	Esmeralda
Hasbrouck	HAS 55	WK Mining (USA)	6/6/2010	NMC 1026539	Esmeralda
Hasbrouck	HAS 56	WK Mining (USA)	6/6/2010	NMC 1026540	Esmeralda
Hasbrouck	HAS 57	WK Mining (USA)	6/6/2010	NMC 1026541	Esmeralda
Hasbrouck	HAS 58	WK Mining (USA)	6/6/2010	NMC 1026542	Esmeralda
Hasbrouck	HAS 59	WK Mining (USA)	6/6/2010	NMC 1026543	Esmeralda
Hasbrouck	HSR 2	WK Mining (USA)	7/21/2011	NMC 1054626	Esmeralda
Hasbrouck	HSR 3	WK Mining (USA)	7/21/2011	NMC 1054627	Esmeralda
Hasbrouck	HSR 15	WK Mining (USA)	7/20/2011	NMC 1054628	Esmeralda
Hasbrouck	HSR 28	WK Mining (USA)	7/21/2011	NMC 1054629	Esmeralda
Hasbrouck	HSR 29	WK Mining (USA)	7/21/2011	NMC 1054630	Esmeralda
Hasbrouck	HSR 37	WK Mining (USA)	7/21/2011	NMC 1054631	Esmeralda
Hasbrouck	HSR 38	WK Mining (USA)	7/21/2011	NMC 1054632	Esmeralda
Hasbrouck	HSR 39	WK Mining (USA)	7/21/2011	NMC 1054633	Esmeralda
Hasbrouck	HSR 44	WK Mining (USA)	7/21/2011	NMC 1054634	Esmeralda
Hasbrouck	HSR 45	WK Mining (USA)	7/21/2011	NMC 1054635	Esmeralda
Hasbrouck	HSR 46	WK Mining (USA)	7/21/2011	NMC 1054636	Esmeralda
Hasbrouck	HSR 47	WK Mining (USA)	7/21/2011	NMC 1054637	Esmeralda
Hasbrouck	HSR 48	WK Mining (USA)	7/21/2011	NMC 1054638	Esmeralda
Hasbrouck	HSR 49	WK Mining (USA)	7/21/2011	NMC 1054639	Esmeralda
Hasbrouck	HSR 50	WK Mining (USA)	7/21/2011	NMC 1054640	Esmeralda
Hasbrouck	HSR 51	WK Mining (USA)	7/21/2011	NMC 1054641	Esmeralda
Hasbrouck	HSR 52	WK Mining (USA)	7/21/2011	NMC 1054642	Esmeralda
Hasbrouck	HSR 53	WK Mining (USA)	7/21/2011	NMC 1054643	Esmeralda
Hasbrouck	HSR 54	WK Mining (USA)	7/21/2011	NMC 1054644	Esmeralda
Hasbrouck	HSR 55	WK Mining (USA)	7/21/2011	NMC 1054645	Esmeralda
Hasbrouck	HSR 195	WK Mining (USA)	7/21/2011	NMC 1054646	Esmeralda
Hasbrouck	HSR 299	WK Mining (USA)	7/21/2011	NMC 1054647	Esmeralda
Hasbrouck	HSR 300	WK Mining (USA)	7/21/2011	NMC 1054648	Esmeralda
Hasbrouck	HSR 301	WK Mining (USA)	7/21/2011	NMC 1054649	Esmeralda
Hasbrouck	HSR 302	WK Mining (USA)	7/21/2011	NMC 1054650	Esmeralda

Hasbrouck Patented Claims

AREA	ClaimName	Claim Owner	Patent No.	MS#	APN#
Hasbrouck	Eliza Jane	WK Mining (USA)	443624	4143	000-005-83
Hasbrouck	Polo	WK Mining (USA)	443624	4143	000-005-83
Hasbrouck	Desert King	WK Mining (USA)	443624	4143	000-005-83
Hasbrouck	Star of the East	WK Mining (USA)	443624	4143	000-005-83
Hasbrouck	Sierra Nevada	WK Mining (USA)	703972	4337	000-005-83
Hasbrouck	Lode	WK Mining (USA)	703972	4337	000-005-83

Hasbrouck	San Jose	WK Mining (USA)	703972	4337	000-005-83
Hasbrouck	Nonpareil No. 1	WK Mining (USA)	899381	4385	000-005-83
Hasbrouck	Nonpareil No. 2	WK Mining (USA)	899381	4385	000-005-83
Hasbrouck	Royal	WK Mining (USA)	818585	4386	000-005-83
Hasbrouck	Last Chance	WK Mining (USA)	828482	4416	000-005-83
Hasbrouck	Last Chance No. 1	WK Mining (USA)	828482	4416	000-005-83
Hasbrouck	Last Chance No. 2	WK Mining (USA)	828482	4416	000-005-83
Hasbrouck	Last Chance No. 3	WK Mining (USA)	828482	4416	000-005-83
Hasbrouck	Nonpareil No. 3	WK Mining (USA)	809601	4436	000-005-83
Hasbrouck	Nonpareil No. 4	WK Mining (USA)	809601	4436	000-005-83
Hasbrouck	Nonpareil No. 5	WK Mining (USA)	857954	4437	000-005-83
Hasbrouck	Nonpareil No. 6	WK Mining (USA)	857954	4437	000-000-50
Hasbrouck	Nonpareil No. 7	WK Mining (USA)	857954	4437	000-000-50
Hasbrouck	Nonpareil No. 8	WK Mining (USA)	857954	4437	000-000-50
Hasbrouck	Nonpareil No. 9	WK Mining (USA)	857951	4437	000-003-38
Hasbrouck	Nonpareil No. 10	WK Mining (USA)	857951	4437	000-003-38
Hasbrouck	Nonpareil No. 11	WK Mining (USA)	857951	4437	000-003-38
Hasbrouck	Silver King	WK Mining (USA)	891082	4387	000-002-89
Hasbrouck	Silver King No.1	WK Mining (USA)	891082	4387	000-002-89
Hasbrouck	TFG	WK Mining (USA)	819102	4428	000-002-85 000-001-39
Hasbrouck	TFG1	WK Mining (USA)	819102	4428	000-002-85
Hasbrouck	TFG2	WK Mining (USA)	819102	4428	000-002-85

Three Hills Unpatented Claims

AREA	ClaimName	Claim Owner	Location Date	BLM Serial No.	Filing County
Three Hills	Three Hills #1	WK Mining (USA)	02/14/74	NMC 82240	Esmeralda
Three Hills	Three Hills #2	WK Mining (USA)	02/14/74	NMC 82241	Esmeralda
Three Hills	Three Hills #3	WK Mining (USA)	02/14/74	NMC 82242	Esmeralda
Three Hills	Three Hills #4	WK Mining (USA)	02/14/74	NMC 82243	Esmeralda
Three Hills	Three Hills #5	WK Mining (USA)	02/14/74	NMC 82244	Esmeralda
Three Hills	Three Hills #6	WK Mining (USA)	02/14/74	NMC 82245	Esmeralda
Three Hills	Three Hills #7	WK Mining (USA)	02/14/74	NMC 82246	Esmeralda
Three Hills	ABA #15	WK Mining (USA)	12/15/75	NMC 82247	Esmeralda
Three Hills	ABA #16	WK Mining (USA)	12/15/75	NMC 82248	Esmeralda
Three Hills	ABA #17	WK Mining (USA)	12/15/75	NMC 82249	Esmeralda
Three Hills	ABA #18	WK Mining (USA)	12/15/75	NMC 82250	Esmeralda
Three Hills	ABA #19	WK Mining (USA)	12/15/75	NMC 82251	Esmeralda
Three Hills	ABA #24	WK Mining (USA)	12/15/75	NMC 82252	Esmeralda
Three Hills	ABA #25	WK Mining (USA)	12/15/75	NMC 82253	Esmeralda
Three Hills	ABA #26	WK Mining (USA)	12/15/75	NMC 82254	Esmeralda
Three Hills	TH 1	WK Mining (USA)	4/16/2012	NMC1072691	Esmeralda
Three Hills	TH 2	WK Mining (USA)	4/16/2012	NMC1072692	Esmeralda
Three Hills	TH 3	WK Mining (USA)	4/16/2012	NMC1072693	Esmeralda
Three Hills	TH 4	WK Mining (USA)	4/16/2012	NMC1072694	Esmeralda
Three Hills	TH 5	WK Mining (USA)	4/16/2012	NMC1072695	Esmeralda
Three Hills	TH 6	WK Mining (USA)	4/16/2012	NMC1072696	Esmeralda
Three Hills	TH 7	WK Mining (USA)	4/16/2012	NMC1072697	Esmeralda
Three Hills	TH 8	WK Mining (USA)	4/16/2012	NMC1072698	Esmeralda
Three Hills	TH 9	WK Mining (USA)	4/16/2012	NMC1072699	Esmeralda
Three Hills	TH 10	WK Mining (USA)	4/16/2012	NMC1072700	Esmeralda
Three Hills	TH 11	WK Mining (USA)	4/16/2012	NMC1072701	Esmeralda
Three Hills	TH 12	WK Mining (USA)	4/16/2012	NMC1072702	Esmeralda
Three Hills	TH 13	WK Mining (USA)	4/16/2012	NMC1072703	Esmeralda
Three Hills	TH 14	WK Mining (USA)	4/16/2012	NMC1072704	Esmeralda
Three Hills	TH 15	WK Mining (USA)	4/16/2012	NMC1072705	Esmeralda
Three Hills	TH 16	WK Mining (USA)	4/16/2012	NMC1072706	Esmeralda
Three Hills	TH 17	WK Mining (USA)	4/16/2012	NMC1072707	Esmeralda
Three Hills	TH 18	WK Mining (USA)	4/16/2012	NMC1072708	Esmeralda
Three Hills	TH 19	WK Mining (USA)	4/16/2012	NMC1072709	Esmeralda
Three Hills	TH 20	WK Mining (USA)	4/16/2012	NMC1072710	Esmeralda
Three Hills	TH 21	WK Mining (USA)	4/16/2012	NMC1072711	Esmeralda
Three Hills	TH 22	WK Mining (USA)	4/16/2012	NMC1072712	Esmeralda
Three Hills	TH 23	WK Mining (USA)	4/16/2012	NMC1072713	Esmeralda
Three Hills	TH 24	WK Mining (USA)	4/16/2012	NMC1072714	Esmeralda
Three Hills	TH 25	WK Mining (USA)	4/16/2012	NMC1072715	Esmeralda
Three Hills	TH 26	WK Mining (USA)	4/16/2012	NMC1072716	Esmeralda
Three Hills	TH 27	WK Mining (USA)	4/16/2012	NMC1072717	Esmeralda
Three Hills	TH 28	WK Mining (USA)	4/16/2012	NMC1072718	Esmeralda
Three Hills	TH 29	WK Mining (USA)	4/16/2012	NMC1072719	Esmeralda

Three Hills	TH 30	WK Mining (USA)	4/16/2012	NMC1072720	Esmeralda
Three Hills	TH 31	WK Mining (USA)	4/17/2012	NMC1072721	Esmeralda
Three Hills	TH 32	WK Mining (USA)	4/17/2012	NMC1072722	Esmeralda
Three Hills	TH 33	WK Mining (USA)	4/17/2012	NMC1072723	Esmeralda
Three Hills	TH 34	WK Mining (USA)	4/17/2012	NMC1072724	Esmeralda
Three Hills	TH 35	WK Mining (USA)	4/17/2012	NMC1072725	Esmeralda
Three Hills	TH 36	WK Mining (USA)	4/17/2012	NMC1072726	Esmeralda
Three Hills	TH 37	WK Mining (USA)	4/17/2012	NMC1072727	Esmeralda
Three Hills	TH 38	WK Mining (USA)	4/17/2012	NMC1072728	Esmeralda
Three Hills	TH 39	WK Mining (USA)	4/17/2012	NMC1072729	Esmeralda
Three Hills	TH 40	WK Mining (USA)	4/17/2012	NMC1072730	Esmeralda
Three Hills	TH 41	WK Mining (USA)	4/17/2012	NMC1072731	Esmeralda
Three Hills	TH 42	WK Mining (USA)	4/17/2012	NMC1072732	Esmeralda
Three Hills	TH 43	WK Mining (USA)	4/17/2012	NMC1072733	Esmeralda
Three Hills	TH 44	WK Mining (USA)	4/17/2012	NMC1072734	Nye and Esmeralda
Three Hills	TH 45	WK Mining (USA)	4/17/2012	NMC1072735	Esmeralda
Three Hills	TH 46	WK Mining (USA)	4/17/2012	NMC1072736	Nye and Esmeralda
Three Hills	TH 47	WK Mining (USA)	4/17/2012	NMC1072737	Esmeralda
Three Hills	TH 48	WK Mining (USA)	4/17/2012	NMC1072738	Nye and Esmeralda
Three Hills	TH 49	WK Mining (USA)	4/17/2012	NMC1072739	Esmeralda
Three Hills	TH 50	WK Mining (USA)	4/17/2012	NMC1072740	Nye and Esmeralda
Three Hills	TH 51	WK Mining (USA)	4/17/2012	NMC1072741	Esmeralda
Three Hills	TH 52	WK Mining (USA)	4/17/2012	NMC1072742	Nye and Esmeralda
Three Hills	TH 53	WK Mining (USA)	4/17/2012	NMC1072743	Esmeralda
Three Hills	TH 54	WK Mining (USA)	4/17/2012	NMC1072744	Nye and Esmeralda
Three Hills	TH 55	WK Mining (USA)	4/17/2012	NMC1072745	Esmeralda
Three Hills	TH 56	WK Mining (USA)	4/17/2012	NMC1072746	Nye and Esmeralda
Three Hills	TH 57	WK Mining (USA)	4/17/2012	NMC1072747	Esmeralda
Three Hills	TH 58	WK Mining (USA)	4/17/2012	NMC1072748	Nye and Esmeralda
Three Hills	TH 59	WK Mining (USA)	4/17/2012	NMC1072749	Esmeralda
Three Hills	TH 60	WK Mining (USA)	4/17/2012	NMC1072750	Nye and Esmeralda
Three Hills	TH 61	WK Mining (USA)	4/17/2012	NMC1072751	Nye and Esmeralda
Three Hills	TH 61A	WK Mining (USA)	3/22/2013	NMC1089460	Esmeralda
Three Hills	TH 62	WK Mining (USA)	3/22/2013	NMC1089461	Esmeralda
Three Hills	TH 63	WK Mining (USA)	3/22/2013	NMC1089462	Esmeralda
Three Hills	TH 64	WK Mining (USA)	3/22/2013	NMC1089463	Esmeralda
Three Hills	TH 65	WK Mining (USA)	3/22/2013	NMC1089464	Esmeralda
Three Hills	TH 66	WK Mining (USA)	3/22/2013	NMC1089465	Esmeralda
Three Hills	TH 67	WK Mining (USA)	3/22/2013	NMC1089466	Esmeralda
Three Hills	TH 68	WK Mining (USA)	3/22/2013	NMC1089467	Esmeralda
Three Hills	TH 69	WK Mining (USA)	3/22/2013	NMC1089468	Esmeralda
Three Hills	TH 70	WK Mining (USA)	3/22/2013	NMC1089469	Esmeralda
Three Hills	TH 71	WK Mining (USA)	3/22/2013	NMC1089470	Esmeralda
Three Hills	TH 72	WK Mining (USA)	3/22/2013	NMC1089471	Esmeralda
Three Hills	TH 73	WK Mining (USA)	3/22/2013	NMC1089472	Esmeralda
Three Hills	TH 74	WK Mining (USA)	3/22/2013	NMC1089473	Esmeralda
Three Hills	TH 75	WK Mining (USA)	3/22/2013	NMC1089474	Esmeralda
Three Hills	TH 76	WK Mining (USA)	3/22/2013	NMC1089475	Esmeralda

Three Hills	TH 77	WK Mining (USA)	3/22/2013	NMC1089476	Esmeralda
Three Hills	TH 78	WK Mining (USA)	3/22/2013	NMC1089477	Esmeralda
Three Hills	TH 79	WK Mining (USA)	3/22/2013	NMC1089478	Esmeralda
Three Hills	TH 80	WK Mining (USA)	3/22/2013	NMC1089479	Esmeralda
Three Hills	TH 81	WK Mining (USA)	3/22/2013	NMC1089480	Esmeralda
Three Hills	TH 82	WK Mining (USA)	3/22/2013	NMC1089481	Esmeralda
Three Hills	TH 83	WK Mining (USA)	3/22/2013	NMC1089482	Esmeralda
Three Hills	TH 84	WK Mining (USA)	3/22/2013	NMC1089483	Esmeralda

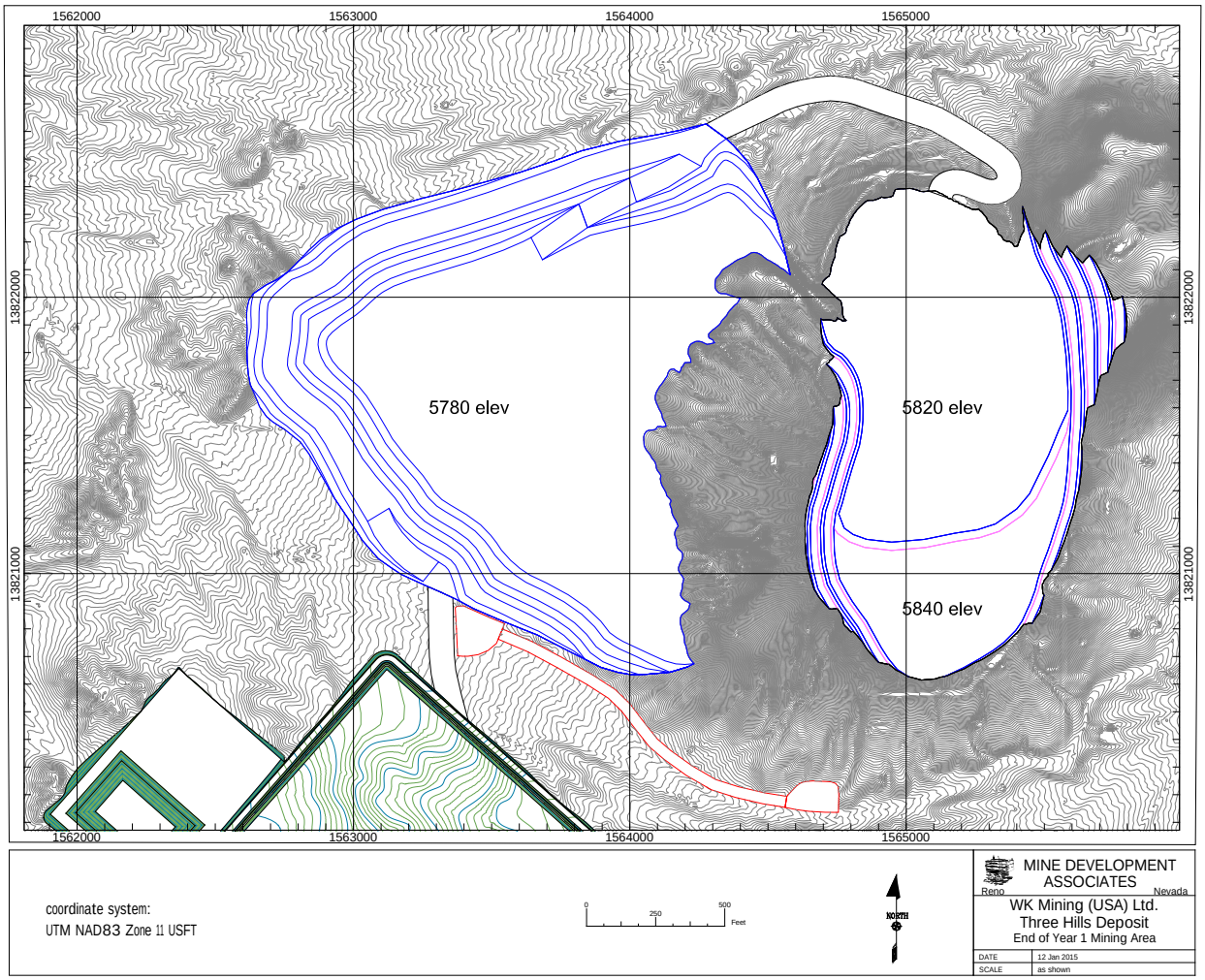
Three Hills Patented Claims

AREA	ClaimName	Claim Owner	Patent No.	MS#	APN#
Three Hills	Uranus	WK Mining (USA)	277076	3898	000-005-86
Three Hills	Jupiter	WK Mining (USA)	277076	3898	000-006-98
Three Hills	Ruby No. 3	WK Mining (USA)	848685	4463	000-001-02
Three Hills	Ruby No. 4	WK Mining (USA)	848685	4463	000-000-37
Three Hills	Ruby No. 5	WK Mining (USA)	848685	4463	000-000-58
Three Hills	Saturn	WK Mining (USA)	277076	3898	000-003-17
Three Hills	Rex	Eastfield Resources (USA)	654427, 848685	Eastfield Option	A Portion of 000-005-77
Three Hills	Ruby	Eastfield Resources (USA)	848685	Eastfield Option	A Portion of 000-005-77
Three Hills	Ruby 2	Eastfield Resources (USA)	848685	Eastfield Option	A Portion of 000-005-77
Three Hills	Great Western	Eastfield Resources (USA)	848685	Eastfield Option	A Portion of 000-005-77
Three Hills	Mars	Eastfield Resources (USA)	277076	Eastfield Option	A Portion of 000-005-77
Three Hills	Moon	Eastfield Resources (USA)	277076	Eastfield Option	A Portion of 000-005-77
Three Hills	Venus	Eastfield Resources (USA)	277076	Eastfield Option	A Portion of 000-005-77

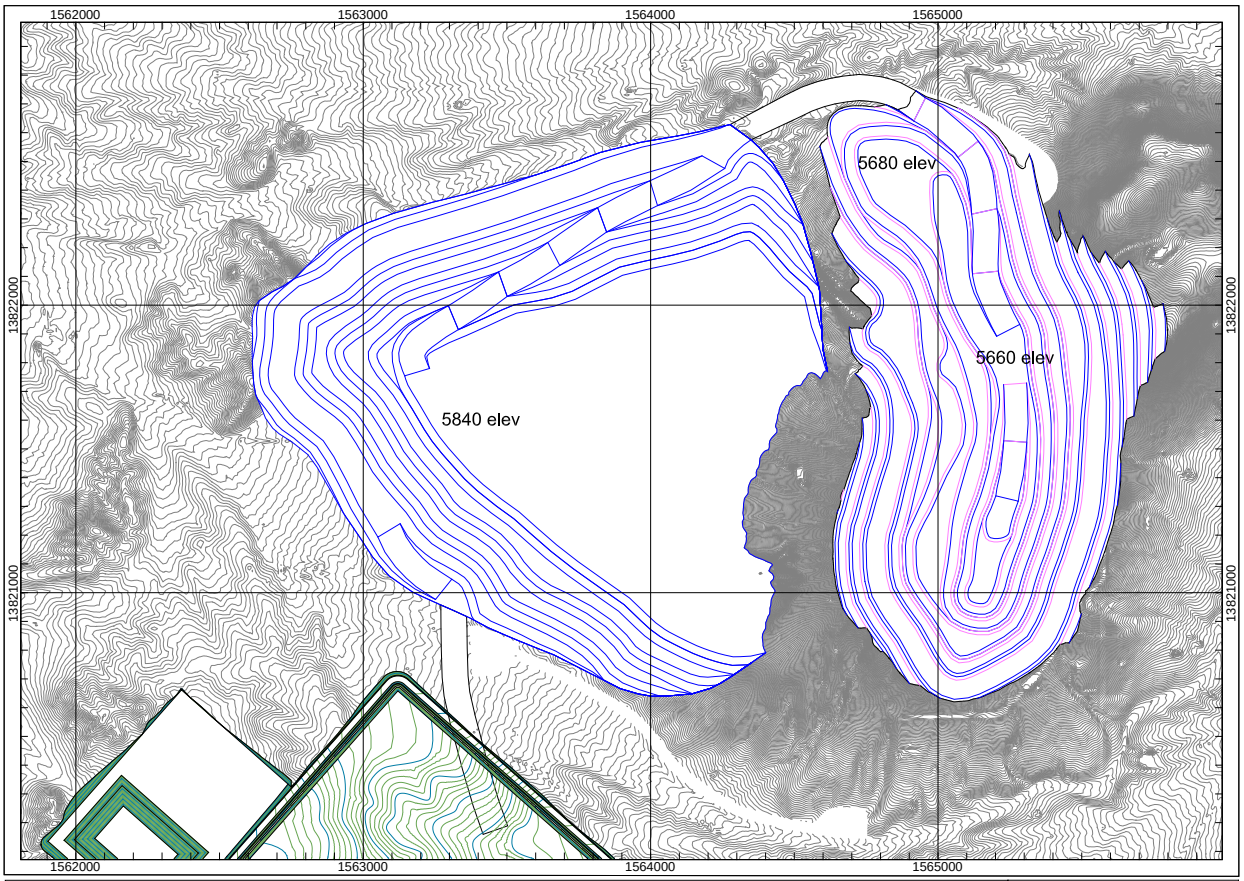
APPENDIX B

Three Hills Mine End of Year Pits and Dumps

Three Hills Mine: End of Year 1



Three Hills Mine: End of Year 2



coordinate system:
UTM NAD83 Zone 11 USFT

0 250 500 Feet

NORTH

MINE DEVELOPMENT ASSOCIATES
Reno Nevada

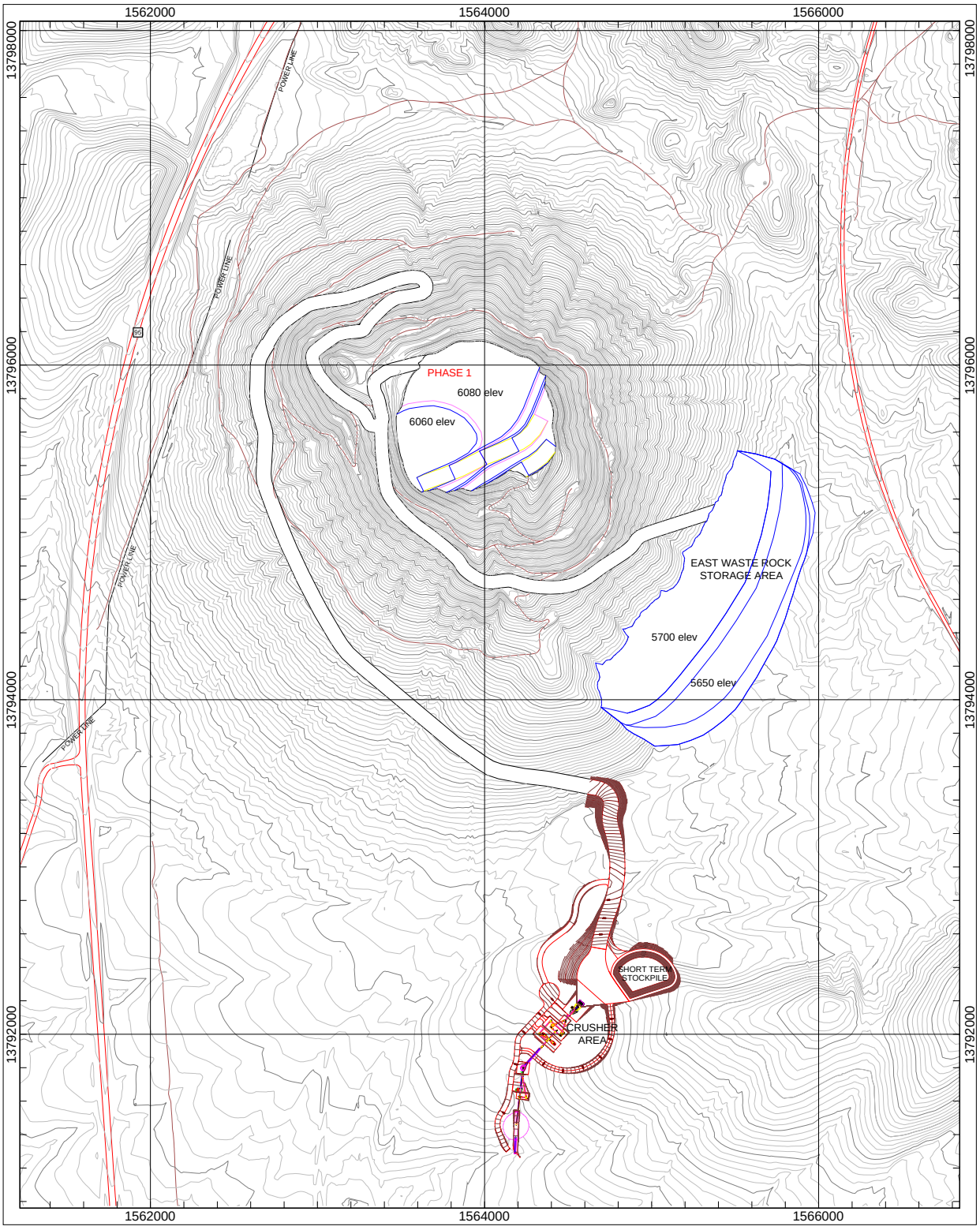
WK Mining (USA) Ltd.
Three Hills Deposit
End of Year 2 Mining Area

DATE	12 Jan 2015
SCALE	as shown

APPENDIX C

Hasbrouck Mine End of Year Pits and Dumps

Hasbrouck Mine: End of Year 2



coordinate system:
UTM NAD83 Zone 11 USFT

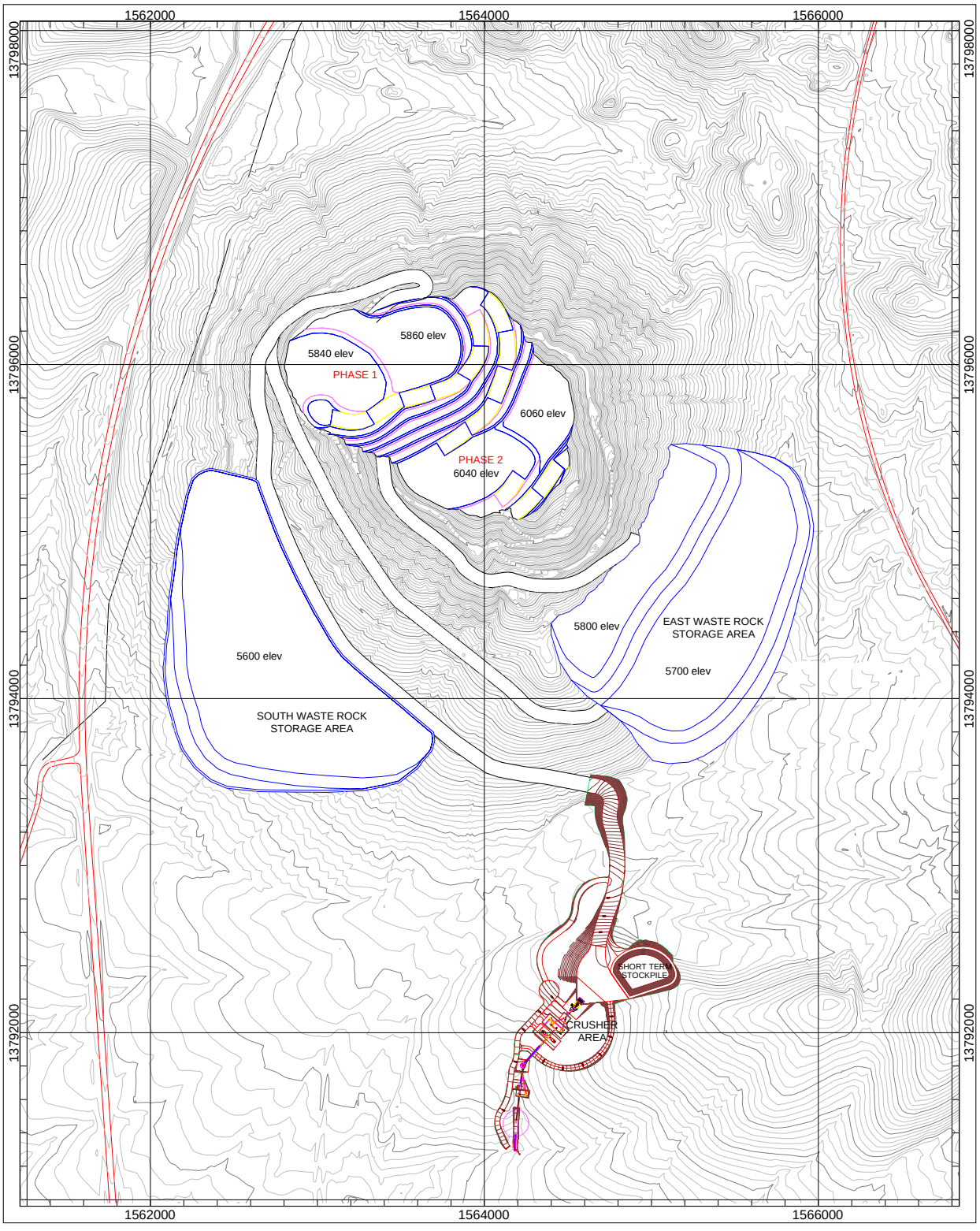
0 500 1000 Feet

MINE DEVELOPMENT ASSOCIATES
Reno Nevada

WK Mining (USA) Ltd.
Hasbrouck Deposit
End of Year 2 Mining Area

DATE	29 Apr 2015
SCALE	as shown

Hasbrouck Mine: End of Year 3



coordinate system:
UTM NAD83 Zone 11 USFT

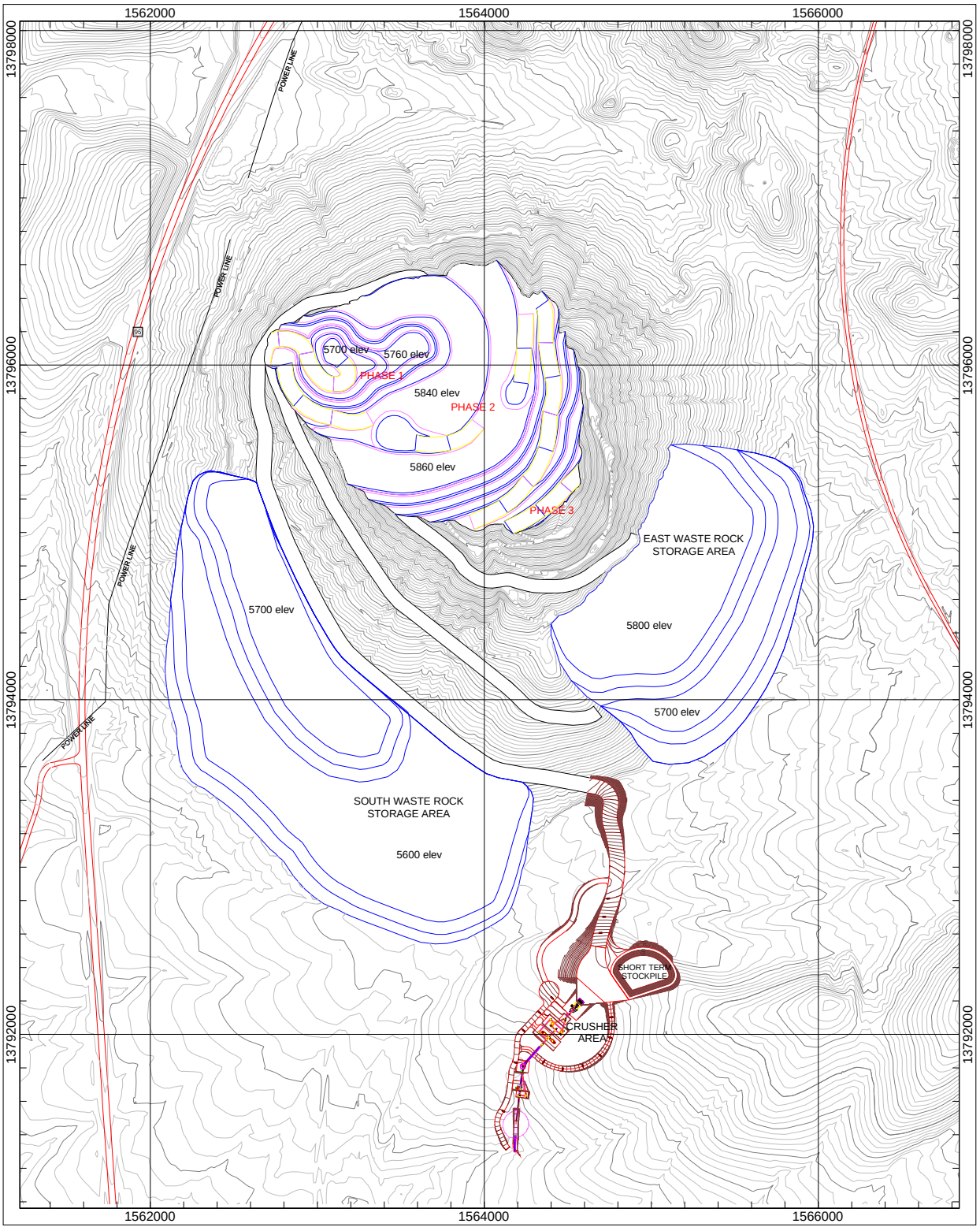
0 500 1000 Feet

MINE DEVELOPMENT ASSOCIATES
Reno Nevada

WK Mining (USA) Ltd.
Hasbrouck Deposit
End of Year 3 Mining Area

DATE	17 Apr 2015
SCALE	as shown

Hasbrouck Mine: End of Year 4



coordinate system:
UTM NAD83 Zone 11 USFT

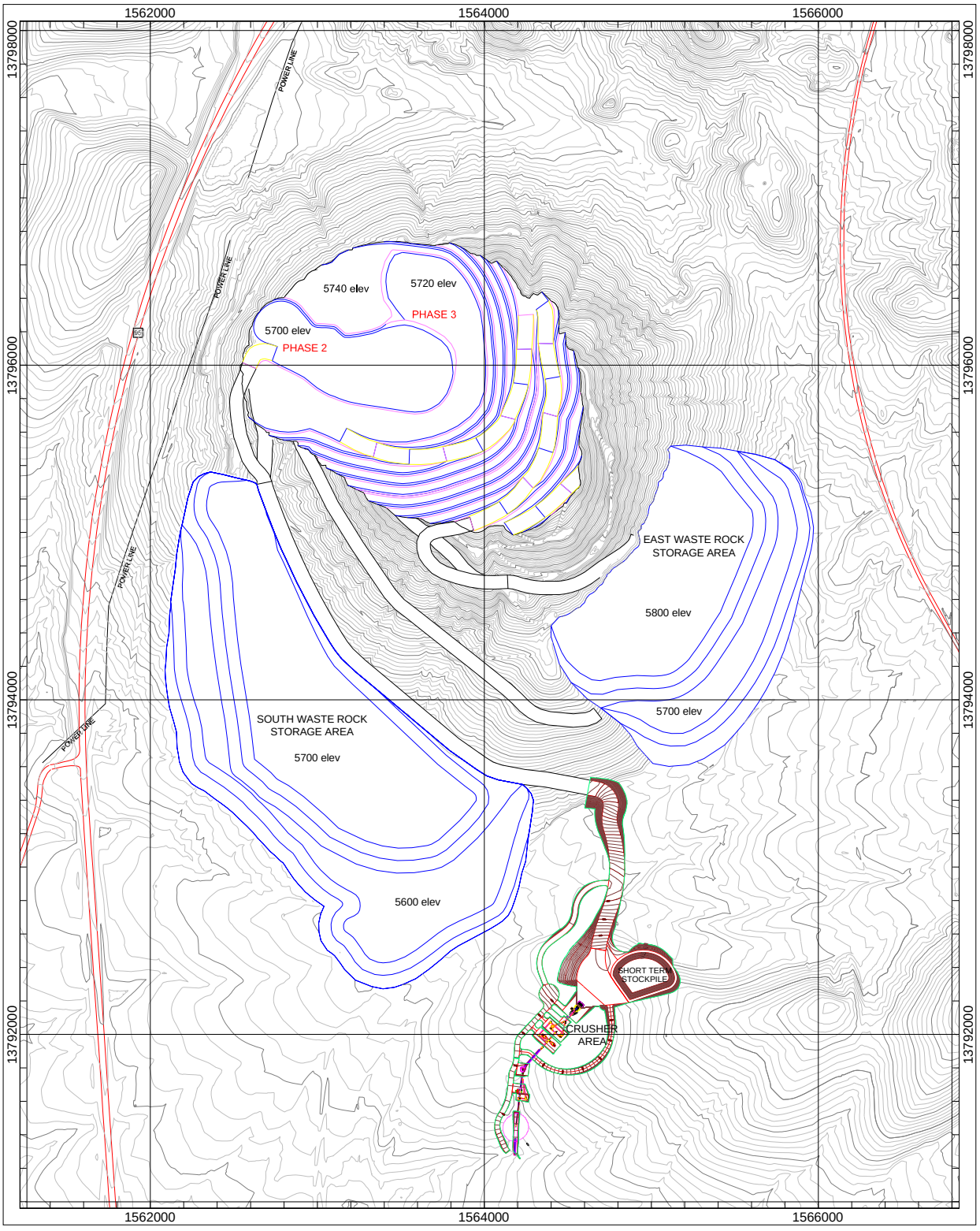
0 500 1000 Feet

MINE DEVELOPMENT ASSOCIATES
Reno Nevada

WK Mining (USA) Ltd.
Hasbrouck Deposit
End of Year 4 Mining Area

DATE	29 Apr 2015
SCALE	as shown

Hasbrouck Mine: End of Year 5



coordinate system:
UTM NAD83 Zone 11 USFT

0 500 1000 Feet

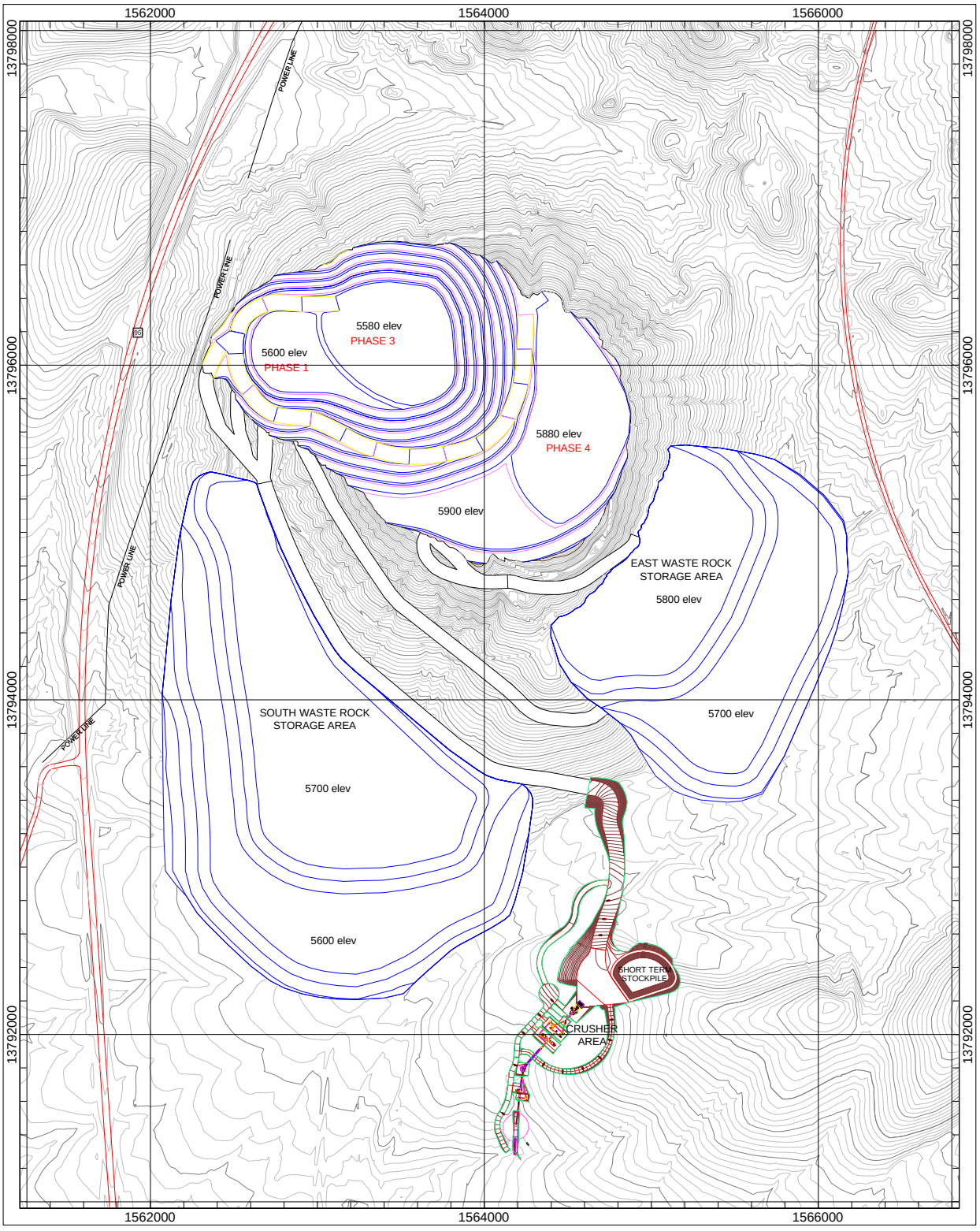
NORTH

MINE DEVELOPMENT ASSOCIATES
Reno Nevada

WK Mining (USA) Ltd.
Hasbrouck Deposit
End of Year 5 Mining Area

DATE	24 Apr 2015
SCALE	as shown

Hasbrouck Mine: End of Year 6



coordinate system:
UTM NAD83 Zone 11 USFT

0 500 1000 Feet

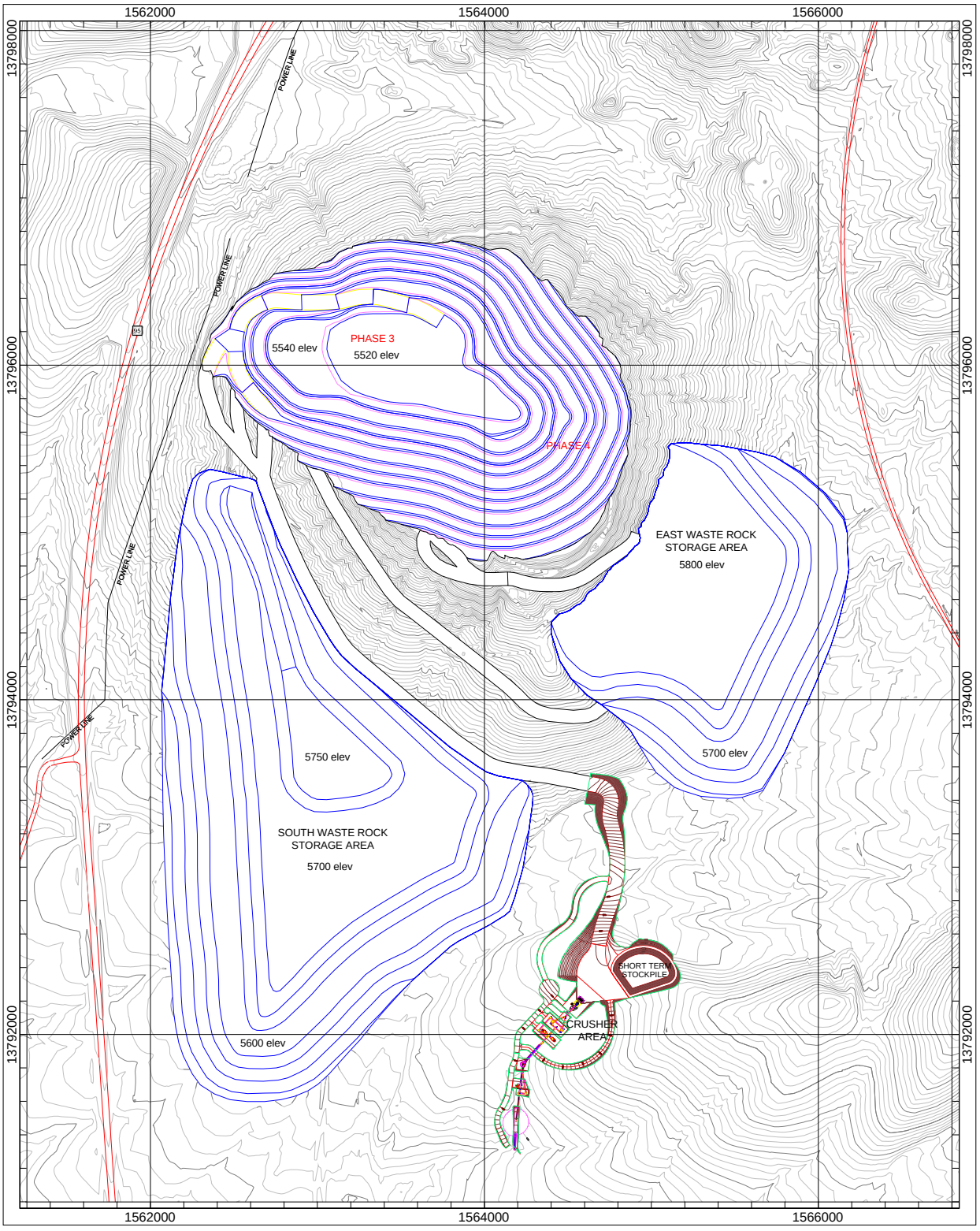
NORTH

MINE DEVELOPMENT ASSOCIATES
Reno Nevada

WK Mining (USA) Ltd.
Hasbrouck Deposit
End of Year 6 Mining Area

DATE	24 Apr 2015
SCALE	as shown

Hasbrouck Mine: End of Year 7



coordinate system:
UTM NAD83 Zone 11 USFT

0 500 1000 Feet

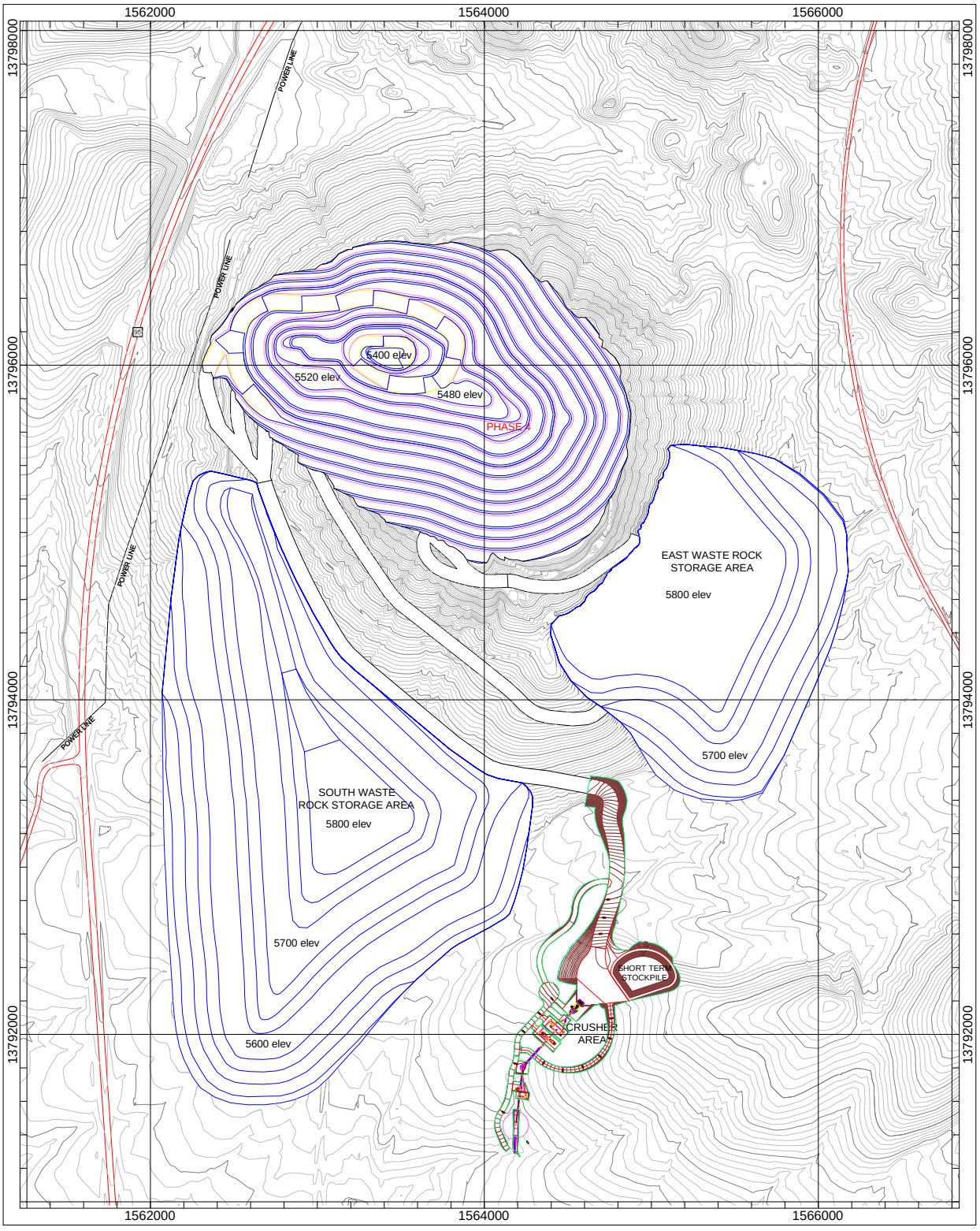
NORTH

MINE DEVELOPMENT ASSOCIATES
Reno Nevada

WK Mining (USA) Ltd.
Hasbrouck Deposit
End of Year 7 Mining Area

DATE	24 Apr 2015
SCALE	as shown

Hasbrouck Mine: End of Year 8



coordinate system:
UTM NAD83 Zone 11 USFT

0 500 1000 Feet

NORTH

MINE DEVELOPMENT ASSOCIATES
Reno Nevada

WK Mining (USA) Ltd.
Hasbrouck Deposit
End of Year 8 Mining Area

DATE	24 Apr 2015
SCALE	as shown