Reclamation and Closure Plan For the Kensington Gold Project

APPENDIX A

RECLAMATION COST ESTIMATE KENSINGTON GOLD PROJECT

APPENDIX A - RECLAMATION COST ESTIMATE

This appendix presents descriptions of the reclamation cost developed for the various parcels described in the Reclamation and Closure Plan Update for the Kensington Gold Project. Costs are typically presented on a unit cost basis for each pay item for each parcel. Costs were developed using the equipment and labor rates presented in Tables A-1 and A-2. Total costs estimated for each parcel are tabulated on Table A-3. Detailed operational analysis of each reclamation task is attached.

A.1 Wage Rates

Wage rates used for reclamation activities are based on the wage rates and benefits presented in the September 1, 2009 State of Alaska Department of Labor and Workforce Development Pamphlet No. 600 (Laborers' & Mechanics' Minimum Rates of Pay, Title 36. Public Contracts, AS 36.05 & 36.10 Wage & Hour Administration) for building and heavy construction projects in Alaska. Table A-1 presents wage rates for the various trades anticipated in the reclamation activities. A total wage rate is estimated that includes the base, overtime, and fringe rates, as well as a burden for Social Security, Medicaid, etc, derived from the Pamphlet No. 600 wage schedule.

The proposed reclamation is planned to be completed during a three year period. In order to expedite the reclamation construction and optimize construction equipment, utilization of twelve hour shifts five days a week will be used during reclamation. This approach is anticipated to reduce the cost for transportation to the site and the period that rented equipment will be required during the reclamation program.

A.2 Equipment Rates and Construction Costs

Equipment rates and construction costs were developed from several sources including:

- Monthly rental rates solicited from local equipment rental companies.
- Barge and freight rates based on quoted rates from several local operators of barges and landing crafts.
- Equipment production rates from Caterpillar Inc. 2008. Caterpillar Performance Handbook, Edition 38.
- Hourly operating cost obtained from the Custom Cost Evaluator program 2005 that was adjusted for inflation between 2005 and 2010.
- Production rates From Heavy Construction Cost Data, 2005 RS Means, 19th Edition.

Monthly equipment rental rates were converted to hourly rates assuming an effective utilization of 180 hours per month. It was assumed that some equipment (i.e. chainsaw and 18' runabout boat) would be purchased rather than rented. In these cases the purchase price was amortized over a 6 month period to calculate a monthly cost which was then converted to an hourly rate based on an effective utilization of 180 hours per month.

Reclamation and Closure Plan For the Kensington Gold Project

Construction/demolition costs were calculated based on the hourly rates for various workers and labor productivity estimates provided in Heavy Construction Cost Data, 2005 RS Means, 19th Edition.

A.3 Equipment Production Rates

Production rates for the various types of heavy equipment that will be used were estimated from typical equipment production curves for equipment presented in the January 2008 Caterpillar Performance Handbook. Operational analysis was completed to determine production limiting factors based on equipment rates, haul distances, travel route grades, and cycle times.

A.4 Contingency and In-direct Cost

A scope contingency cost of 10% was applied to the total estimated reclamation cost to account for uncertainties in the required scope of reclamation activities. A bid contingency cost of 4% was also applied. Cost for in-directs including engineering (3%), liability insurance (1.5%), performance bond (1.5%), payment bond (1.5%), and agency contract administration (3%) are included. A 5% contractor overhead cost and 10% profit is also included. This results in a total for in-direct cost including contingency of 39.5% of the estimated direct cost. Total costs including estimated cost, contingency, and in-direct cost are summarized on Table A-3.

A.5 Reclamation Schedule

The reclamation cost estimate assumes that reclamation activities will be completed in two construction seasons. Reclamation will occur during seven month each year. Costs estimated for transportation of supplies and personnel and for operation of the camp are based on recent cost data. Final scheduling of reclamation will be evaluated during active mining.

Equipment Type	Base Rate ¹ (\$/hr)	Operating Cost ² (\$/hr)	Total Cost (\$/hr)
D6 Dozer with Ripper	68.94	49.64	118.58
D8 Dozer with Ripper	97.66	94.03	191.69
Excavator Hitachi ZX330LC	57.45	73.49	130.94
Thumb Attachment		2.59	2.59
Hammer Attachment	43.09	14.06	57.15
Grader 16G	68.94	64.65	133.59
Loader Volvo L220E	68.94	72.54	141.48
Grove RT 750E 50 ton Crane	74.68	71.32	146.00
Forklift Ingersoll Rand VR 843C	18.38	25.96	44.35
Water Truck 2500 gal	31.60	21.39	52.98
Fuel – Lube Truck	31.60	21.31	52.91
Tractor Low Boy Truck	48.83	51.29	100.12
Flatbed Truck 45000 lbs	25.85	37.84	63.70
Dump Truck 12 cy	48.83	39.07	87.91
Haul Truck Volvo A25D	63.19	46.14	109.34
Cat AD30 Underground		22.68	22.68
Generator 60 Hz 75 kW	14.36	29.09	43.45
Light Plant	4.31	2.14	6.45
Farm Tractor Kubota 4500	8.62	14.20	22.82
Hydroseeder/Mulcher	68.94	5.87	74.81
Air Compressor	11.49	20.48	31.97
PugMill Plant 30'x50'	34.47	20.62	55.09
Portable Belt Conveyor 18"x60'	20.11	14.11	34.22
Single Deck Screen 5'x10'	37.34	19.11	56.45
Pickup Truck 3/4 ton 4x4	10.34	9.58	19.92
18 ft Runabout Boat	33.61	19.86	51.47
25" Chainsaw	2.02	2.59	4.62
Acetylene Cutting Torch	2.59	.13	2.72

Table A-1 Hourly Equipment Rates

¹ Hourly base rate developed from local monthly rental rates as discussed in Section A.2.

² Operating cost based on data from Equipment Watch, Custom Cost Evaluator program adjusted for local costs. Rates adjusted with a multiplier of 1.18, to account for inflation.

Reclamation and Closure Plan For the Kensington Gold Project

Labor Classification	Class Code ¹	Base Wage (\$/hr)	Additional For OT	21 % Burden (\$/hr)	Fringe (\$/hr)	Total Wage (\$/hr)
Equipment Foreman ²		38.19	10.00	10.12	16.05	74.36
Operator 1	A1601	36.19	9.48	9.59	16.05	71.31
Carpenter	S0301	34.33	8.99	9.10	18.38	70.80
Concrete/Mason	S0401	33.54	8.78	8.89	15.75	66.96
Driver 1	A2103	36.78	9.63	9.75	14.40	70.56
Labor 1	S1201	28.74	7.53	7.62	16.65	60.53
Iron Worker	A1101	33.25	8.71	8.81	20.12	70.89
Plumber	S1501	35.58	9.32	9.43	18.32	72.65
Mechanic	A1601	36.19	9.48	9.59	16.05	71.31
Electrician	A0702	36.47	9.55	9.66	19.44	75.13

Table A-2 Labor Wage Rates¹

¹ Hourly wage rates and class codes presented in September 1, 2011 State of Alaska Department of Labor and Workforce Development Pamphlet No. 600 (Laborers' & Mechanics' Minimum Rates of Pay. Title 36. Public Contracts, AS 36.05 & 36.10 Wage & Hour Administration.

² An hourly rate for foreman is not provided in Pamphlet No. 600 wage schedule and was estimated as \$2/hr above Operator 1 rate based on data presented in 2005 RS Means Heavy Construction Cost Data.

4

Itemized Cost Data

Reclamation and Closure Plan For the Kensington Gold Project

April 2013

Client: Project: Prepared By: Date:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate DPC March 22, 2013
Operational Analysis	Task No. 13A.14 Parcel 13A
Description:	Fold Pond Liners
Demo. pond liner sy	stems. This task will include removal cutting and folding the membrane liner within two ponds.

Production Rates:

Assumptions:

An excavator will be used to excavate the liner anchor trench and aid in folding the liners. Two laborers will cut the liners and work with the excavator. Backfill over the ponds is covered under Task 10.21.

	Produ	ction:	1/hr			
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipmen \$/hr	t Equip Maint \$/hr	Total \$/hr
	61	2 Labor 1	\$121.07 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$121.07 \$60.53
	5	1 Excavator ZX330L0	C \$71.31 \$71.31	\$57.45 \$57.45	\$73.49 \$73.49	\$202.24 \$202.24
	36	1 Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly Cos	sts	\$192.38	\$67.79	\$83.07	\$343.24
	TOTAL COST P	ER UNIT	\$192.38	\$67.79	\$83.07	\$343.24

Client: Project: Prepared By:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate DPC			
Date:	March 22, 2013			
Operational Analysis	Task No. 13A.21 Parcel 13A			
Description:	Excavate Wetland Fill, Load, Haul, and Spread			
areas will be placed Regrading of pond a	ead fill excavated from wetland areas. This ta in Parcel 20 with a max haul of 0.2 miles area will consist of rough grading using a doz mpleted using a D8 Dozer equipped with a U	zer to reshape disturbe		s the
Production Rates:	Haul Units		Loading	
	Haul Distance (mi.) Load Time (min) Full Travel Time (min) Empty Travel Time (min) Cycle Time (min) Unit Capacity (cy) Efficiency Unit Rate (cy/hr)	0.2 1.88 1.2 1 4.08 12 0.8 141.3	Haul Distance (ft.) Bucket Capacity (cy) Full Travel Time (min) Empty Travel Time (min) Cycle Time (min) Cycles/Haul Unit Efficiency Load Time/Unit (min) Units Loaded/br	15 2.5 0.2 0.1 0.3 5 0.8 1.9 32

100500Haul Units0.83Total Loadout Capacity (cy/hr)415

Max Production (cy/hr)

384

2.0 283

Limiting Factor:

Production will be limited by the number of trucks hauling the excavated material. The excavator can support 2 dump trucks with an estimated production rate of 283 cy/hr. The D6 dozer is sufficient to spread the material.

<u>Spread</u> Push Distance (ft) Production Rate (Lcy/hr) Efficiency Effective Production Rate (cy/hr)

Equip. Vo.	Equip. Count	Description	Labor \$/hr	Equipment I \$/hr	Equip Maint \$/hr	Total \$/hr
	1	1 Dozer D6R	\$71.31 \$71.31	\$68.94 \$68.94	\$49.64 \$49.64	\$189.89 \$189.89
	24	2 Volvo A25D	\$141.12 \$70.56	\$126.39 \$63.19	\$92.28 \$46.14	\$359.79 \$179.90
	5	1 Excavator ZX330LC	\$71.31 \$71.31	\$57.45 \$57.45	\$73.49 \$73.49	\$202.24 \$202.24
	50	1 Foreman	\$74.36 \$74.36	\$0.00 \$0.00	\$0.00 \$0.00	\$74.36 \$74.36
	36	1 Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly	Costs	\$358.10	\$263.12	\$224.99	\$846.21
	TOTAL COS	T PER UNIT	\$1.27	\$0.93	\$0.80	\$2.99

Client:	Coeur Alaska, Inc.			
Project:	Kensington Project			
	Closure Reclamation Estimate			
Prepared By:	DPC			
Date:	March 22, 2013			
Operational Analysis	s Task No. <mark>13A.22</mark> Parcel 13A			
Description:	Soil Preparation			
Regraded areas wi	II be prepared/scarified using a D)6 dozer.		
Production Rates:				
Tillago Pa	to			

Thiage Nale	
Velocity	1 mph
Tool Width	10 ft
Production	1.2 ac/hr
Efficiency	0.8
Effective Production	1.0

	Produ	iction:	0.97 ac/hr			
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipment \$/hr	t Equip Maint \$/hr	Total \$/hr
	1	1 Dozer D6R	\$71.31 \$71.31	\$68.94 \$68.94	\$49.64 \$49.64	\$189.89 \$189.89
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly (Costs	\$71.31	\$68.94	\$49.64	\$189.89
	TOTAL COS	T PER UNIT	\$73.54	\$71.09	\$51.19	\$195.82

-

Client: Project: Prepared By: Date:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate DPC March 22, 2013				
	·				
Operational Analysis	Task No. Parcel	13A.23 13A			
Description:	Road Grading				
3 years over 30 year L	Road from Slate Creek Cove to the F	alented Base Cl	ann win be completed using a Gr	ader 100. Grading	occurs every
Production Rates:					
	Production Rate		Grader 16G Spe	ecifications:	
	Distance (mi):	3.99	Blade width (ft):	12	

	Distance (IIII).	5.55	Diade width (it).	12
First pass (second gear):	Time (min):	77.2	LCM 8 Land	ding Craft:
	Rate (mph):	3.1		
			Trip travel time (hr):	4
Second pass (third gear):	Time (min):	57.0		
	Rate (mph):	4.2		
Third pass (third gear).	Time (min):	57.0		
,	Rate (mph):	4.2		
	Total time (hr):	3.2		
	Efficiency:	0.83		
	Effective time (hr):	3.8		

Assumptions:

Assume 3 passes over 10 ft road width. Road grading is assumed to take 8 hours. The cost to complete the road grading task assumes 1.5 days to allow for mobilization to the site and loading and unloading the landing craft. The daily rate for the landing craft is \$4500. This task would be completed in conjunction with road grading for 2.21, 22.26, 23.21, and 25.23. Each of these tasks includes a budget for the landing craft.

9 36 61 38	1 1 2		\$0.00 \$0.00 \$0.00 \$0.00 \$121.07	\$68.94 \$68.94 \$10.34 \$10.34	\$64.65 \$64.65 \$9.58 \$9.58	\$133.5 \$133.5 \$19.92
36 61	1	Pickup Truck 4x4	\$0.00 \$0.00 \$0.00	\$68.94 \$10.34	\$64.65 \$9.58	\$133.5
61	2	·	\$0.00			\$19.92
•		Labor 1		\$10.34	¢0 59	
•		Labor 1	¢101.07		φ 3 .30	\$19.92
38	1			\$0.00	\$0.00	\$121.0
38	1		\$60.53	\$0.00	\$0.00	\$60.53
	1	Chainsaw 25" bar	\$0.00	\$2.02	\$2.59	\$4.62
			\$0.00	\$2.02	\$2.59	\$4.62
51	1	Oper. 1	\$71.31	\$0.00	\$0.00	\$71.31
			\$71.31	\$0.00	\$0.00	\$71.31
			\$0.00	\$0.00	\$0.00	\$0.00
			\$0.00	\$0.00	\$0.00	\$0.00
			\$0.00	\$0.00	\$0.00	\$0.00
			\$0.00	\$0.00	\$0.00	\$0.00
			\$0.00	\$0.00	\$0.00	\$0.00
			\$0.00	\$0.00	\$0.00	\$0.00
			\$0.00	\$0.00	\$0.00	\$0.00
			\$0.00	\$0.00	\$0.00	\$0.00
			\$0.00	\$0.00	\$0.00	\$0.00
			\$0.00	\$0.00	\$0.00	\$0.00
			\$0.00	\$0.00	\$0.00	\$0.00
			\$0.00	\$0.00	\$0.00	\$0.00
			\$0.00	\$0.00	\$0.00	\$0.00
			\$0.00	\$0.00	\$0.00	\$0.00
Т			\$0.00	\$0.00	\$0.00	\$0.00
			\$0.00	\$0.00	\$0.00	\$0.00
т	Total Hourly Costs		\$192.38	\$81.30	\$76.83	\$350.5
<u>-</u>	olar riburiy 00313		ψ102.00	ψ01.30	ψι 0.00	hours 12

Subtotal Landing Craft 1.5 days at \$4500/day

6,750 10,956

Total

Client: Project: Prepared By: Date:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate DPC March 22, 2013			
Operational Analysi	Task No. 13A.31 Parcel 13A			
Description:	Seed, Mulch, and Fertilize			
Hydro seeding with mulch and fertilizer.				
Production Rates:				
Production based on 2005 RSMeans Heavy Construction Cost Data, 19th Annual Edition.				

Crew			Cost		Seed/MSF	% of parcel
Output	80 MSF	Material	\$28.61	Upland	\$8.75	0
	0.23 ac/hr	Location Factor	1.000	Wetland	\$15.01	100
		Adj. Material	\$28.61			
		Seed	\$15.01			
		Total with seed	\$43.62 MSF			
			\$1,900 ac			

Pro	duction: 0.2	ac/hr			
Equip. Equip. No. Count	Description	Labor \$/hr	Equipment \$/hr	t Equip Maint \$/hr	Total \$/hr
30	1 Farm tractor Kubota 4	\$70.56 \$70.56	\$8.62 \$8.62	\$14.20 \$14.20	\$93.38 \$93.38
36	1 Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
51	1 Oper. 1	\$71.31 \$71.31	\$0.00 \$0.00	\$0.00 \$0.00	\$71.3 [,] \$71.3 [,]
61	1 Labor 1	\$60.53 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$60.53 \$60.53
31	1 Hydroseeder/Mulcher	\$70.56 \$70.56	\$68.94 \$68.94	\$5.87 \$5.87	\$145.3 \$145.3
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
Total Hourly Co	sts	\$272.96	\$87.90	\$29.65	\$390.5
TOTAL COST I	PER UNIT	\$1,364.81	\$439.49	\$148.27	\$1,952.9 \$1,900

Client: Project:	Coeur Alaska, Inc. Kensington Project					
Prepared By:	Closure Reclamation E DPC	stimate				
Date:	March 22, 2013					
Operational Anal	lysis Task No. 1 Parcel 1					
Description:	Silt Fencing					
Supply and inst	all silt fencing around rec	laimed areas.				
Production Rate	es:					
Production based	d on 2005 RSMeans Heavy	Construction Cost Data, 1	9th Annual Edition.			
Crew Output	950 daily	Material	Cost \$0.62			
0	.017 hr/lf/man	Location Factor Adj. Material	1.000 \$0.62			
imiting Eactor						
Limiting Factor:	•					
The limiting pro	duction factor assumes a	2 person crew and the R	SMeans production	on rate of 950 If da	ily.	
	Production:	119	lf/hr			
Equip. No.	Equip. Count D	Description	Labor \$/hr		Equip Maint \$/hr	Total \$/hr
	61 2	Labor 1	\$121.07 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$121.07 \$60.53
	36 1	Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
	30 1	Farm tractor Kubota 4500	\$70.56 \$70.56	\$8.62 \$8.62	\$14.20 \$14.20	\$93.38 \$93.38
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly Costs		\$191.63	\$18.96	\$23.78	\$234.37

13A.32

\$1.61

\$0.16

\$0.20

Materials Total

TOTAL COST PER UNIT

\$1.97 \$0.62 \$2.59

Client: Project: Prepared I Date:	Зу:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate DPC March 22, 2013	
Operationa	al Analysis	Task No. 13A.41 Parcel 13A	
Descriptio	on:	Replace Bridge Deck	
		and labor required for replacement of two bridge decks.	
Material re	quirements for each	bridge:	
<u>ltem</u>	Description		Quantity
4x12x20'#1 and better, rough sawn, Douglas Fir, predrilled with 11 holes & countersinks per board and 0.60 ACZA treated fabric683x12x20'#2 and better, rough sawn, Douglas Fir, no holes, untreatec68C-clipsQuantity includes 5% over the actual requiremen785HDG Carriage Bolt with nut and washer. Quantity includes 5% over the actual requiremen78560d Common Rig Shank Spike. Quantity includes 5% over the actual requiremen572			68 785 785
	# of Bridges: Materials Total:	1 \$40,730.00	
Transport	to Mine:		
Seattle to	Juneau:	\$4,075.00	

Refer to Big R Bridge estimate in Appendix A.

Assumptions:

Cost for decking materials and parts was obtained from BIGR Bridge (Quote 2/21/11) \$40,730 per bridge plus \$4075 for shipping per bridge. Materials will be unloaded from the barge at the mine site. The deck replacement assumes 30 hrs to remove the old decking and 40 hours to install the new deck.

	Pro	duction:	1	lump sum			
Equip. No.	Labor Hours		Description	Labor \$/hr	Equipment \$/hr	Equip Maint \$/hr	Total \$/hr
	50	70	Foreman	\$5,205.37 \$74.36	\$0.00 \$0.00	\$0.00 \$0.00	\$5,205.37 \$74.36
	16	70	Forklift Ingersoll VR843C	\$4,991.61 \$71.31	\$1,286.87 \$18.38	\$1,817.42 \$25.96	\$8,095.89 \$115.66
	22	70	Flatbed Truck 45000 lbs	\$4,939.17 \$70.56	\$1,809.66 \$25.85	\$2,649.00 \$37.84	\$9,397.83 \$134.25
	36	70	Pickup Truck 4x4	\$0.00 \$0.00	\$723.86 \$10.34	\$670.84 \$9.58	\$1,394.70 \$19.92
	63	140	Labor 1	\$8,474.65 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$8,474.65 \$60.53
				\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$4,500.00 \$0.00
				\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
				\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
				\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
				\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly	y Costs		23,611	\$3,820.39	\$5,137.25	\$37,068
	Total Suppo Total Materi			23,611	\$3,820.39	\$5,137.25	\$37,068 \$40,730
	Materials Tr						\$4,075

Total Lump Sum Estimate \$81,873

Client: Project:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate		
Prepared By: Date:	DPC March 22, 2013		
Operational Analysis	Task No. Parcel	14.21 14	
Description:	Grading		
the site. Work will b Production Rates:	e completed using a D8 Dozer	equipped with a U blade ar	and ripper.
	Spread		
Pr	Push Distance (ft) oduction Rate (Lcy/hr)	100 850	
	Efficiency	0.5	

Ρ

	Productio	on: 4	25 cy/hr			
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipment \$/hr	t Equip Maint \$/hr	Total \$/hr
	3	1 Dozer D8	\$71.31 \$71.31	\$97.66 \$97.66	\$94.03 \$94.03	\$263.00 \$263.00
3	6	1 Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
5	0	1 Foreman	\$74.36 \$74.36	\$0.00 \$0.00	\$0.00 \$0.00	\$74.36 \$74.36
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	1		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	1		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly Costs		\$145.67	\$108.01	\$103.61	\$357.29
	TOTAL COST PER		\$0.34	\$0.25	\$0.24	\$0.84

Client: Project: Prepared By: Date:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate DPC March 22, 2013			
Operational Analysis	Task No. 14.22 Parcel 14			
Description:	Load, Haul, and Spread Topsoil			
Load haul and sprea	ad topsoil from Parcel 34. A nominal topsoil dep	th of 12 inches is us	ed.	
Production Rates:	Haul Units		Loading	
Production Factors Unit Wt 1,600 Slot 1.00 Slope 1.00 Material 1.20 Operator 0.75 Eff. 0.50 Wt 1.44	Unit Capacity (cy) Efficiency Unit Rate (cy/hr) Loads (trk/hr)	0.2 0.88 0.5 0.7 2.08 12 0.8 277.6 23 100 950 0.65 615	Haul Distance (ft.) Bucket Capacity (cy) Full Travel Time (min) Empty Travel Time (min) Cycle Time (min) Cycles/Haul Unit Efficiency Load Time/Unit (min) Units Loaded/hr Max Production (cy/hr) Haul Units Total Haul Capacity (cy/hr)	20 7.5 0.2 0.15 0.35 2 0.8 0.9 69 828 2.0 555
Limiting Factor:				
Production will be l	mited by the haul capacity (555 cy/hr). Two dur	p trucks with an est	imated production rate of 555 cy/hr will be u	ised.

Production:

555 cy/hr Equip. No. Equipment Equip Maint \$/hr \$/hr Total Equip. Labor \$/hr Count Description \$/hr \$71.31 \$71.31 \$94.03 \$94.03 \$263.00 \$263.00 \$97.66 1 Dozer D8 \$97.66 2 Volvo A25D \$141.12 \$126.39 \$92.28 \$359.79 24 \$70.56 \$63.19 \$46.14 \$179.90 \$71.31 \$71.31 \$68.94 \$68.94 \$72.54 \$72.54 \$212.79 \$212.79 1 Loader L220E 11 1 Foreman \$74.36 \$0.00 \$0.00 \$74.36 50 \$74.36 \$0.00 \$0.00 \$74.36 36 1 Pickup Truck 4x4 \$0.00 \$10.34 \$9.58 \$19.92 \$0.00 \$10.34 \$9.58 \$19.92 \$0.00 **Total Hourly Costs** \$358.10 \$303.33 \$268.44 \$929.87 TOTAL COST PER UNIT \$0.65 \$0.55 \$0.48 \$1.68

Client: Project: Prepared By: Date:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate DPC March 22, 2013			
Operational Analysis	Task No. 14.23 Parcel 14			
Description:	Soil Preparation			
Regraded areas will be prepared/scarified using a D6 dozer.				
Regraded areas wil	be prepared/scarified using a D6 dozer.			
Regraded areas wil Production Rates:	be prepared/scarified using a D6 dozer.			

	Production:		1.0 ac/hr			
	Equip. Count De	escription	Labor \$/hr	Equipment \$/hr	t Equip Maint \$/hr	Total \$/hr
1	1 D	ozer D6R	\$71.31 \$71.31	\$68.94 \$68.94	\$49.64 \$49.64	\$189.8 \$189.8
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
[]			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
Ī			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
I			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
<u>.</u>	Total Hourly Costs		\$71.31	\$68.94	\$49.64	\$189.8
	TOTAL COST PER UNI	т	\$73.54	\$71.09	\$51.19	\$195.8

Client: Project: Prepared By: Date:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate DPC March 22, 2013			
Operational Analysi	it Task No. 14.31 Parcel 14			
Description:	Seed, Mulch, and Fertilize			
Hydro seeding with mulch and fertilizer.				
Production Rates:				

Production based on 2005 RSMeans Heavy Construction Cost Data, 19th Annual Edition.

Crew Output	80 MSF 0.23 ac/hr	Material Location Factor Adj. Material Seed Total with seed	Cost \$28.61 1.000 \$28.61 \$8.75 \$37.35 MSF \$1.630]ac	Upland Wetland	Seed/MSF \$8.75 \$15.01	% of parcel 100 0
			\$1,630 ac			

Proc	Production: 0.2 ac/hr							
Equip. Equip. No. Count	Description	Labor \$/hr	Equipmen \$/hr	t Equip Maint \$/hr	Total \$/hr			
30	1 Farm tractor Kubota	4{ \$70.56 \$70.56	\$8.62 \$8.62	\$14.20 \$14.20	\$93.3 \$93.3			
36	1 Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.9 \$19.9			
51	1 Oper. 1	\$71.31 \$71.31	\$0.00 \$0.00	\$0.00 \$0.00	\$71.3 \$71.3			
61	1 Labor 1	\$60.53 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$60.5 \$60.5			
31	1 Hydroseeder/Mulcher	r \$70.56 \$70.56	\$68.94 \$68.94	\$5.87 \$5.87	\$145. \$145.			
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0			
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0			
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0			
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0			
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0			
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0			
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0			
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0			
Total Hourly	Costs	\$272.96	\$87.90	\$29.65	\$390.			
TOTAL COS	ST PER UNIT	\$1,364.81	\$439.49	\$148.27	\$1,952			

Client: Project:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate
Prepared By:	DPC
Date:	March 22, 2013
Operational Analysis	Task No. 14.32 Parcel 14
Description:	Silt Fencing
Supply and install s	ilt fencing around reclaimed areas.
Production Rates:	
Production based on	2005 RSMeans Heavy Construction Cost Data, 19th Annual Edition.

Crew Output	950 daily 0.017 hr/lf/man	Material Location Factor Adj. Material	Cost \$0.62 1.000 \$0.62

The limiting production factor assumes a 2 person crew and the RSMeans production rate of 950 If daily.

iquip. E Io. C	quip. Count		Labor \$/hr	Equipmen \$/hr	t Equip Maint \$/hr	Total \$/hr
61	2	Labor 1	\$121.07 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$121.07 \$60.53
36	1	Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
30	1	Farm tractor Kubota 48	\$70.56 \$70.56	\$8.62 \$8.62	\$14.20 \$14.20	\$93.38 \$93.38
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
]		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
<u></u>	otal Hourly Costs		\$191.63	\$18.96	\$23.78	\$234.37
<u></u>	OTAL COST PER U	NIT	\$1.61	\$0.16	\$0.20	\$1.97
_					Materi Total	als \$0.62 \$2.59

Demo. pond liner sy	stem. This task will include removal cutting and folding the membrane liner within the pond.
Description:	Fold Pond Liner
Operational Analysis	Task No. 17.11 Parcel 17
Client: Project: Prepared By: Date:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate DPC March 22, 2013

Production Rates:

Assumptions:

An excavator will be used to excavate the liner anchor trench and aid in folding the liners. Two laborers will cut the liners and work with the excavator. Backfill over the pond is covered under Task 20.21.

	Produ	iction:	<mark>1</mark> /hr			
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipment \$/hr	Equip Maint \$/hr	Total \$/hr
	61	2 Labor 1	\$121.07 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$121.07 \$60.53
	5	1 Excavator ZX330LC	\$71.31 \$71.31	\$57.45 \$57.45	\$73.49 \$73.49	\$202.24 \$202.24
	36	1 Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly C	Costs	\$192.38	\$67.79	\$83.07	\$343.24
	TOTAL COST	FPER UNIT	\$192.38	\$67.79	\$83.07	\$343.24

Client: Project:	Coeur Alaska, Inc. Kensington Project
Prepared By: Date:	Closure Reclamation Estimate DPC March 22, 2013
Operational Analysis	Task No. 17.21 Parcel 17
Description:	Excavate Stabilized Channel
	rges to excavate a stabilized channel 50 feet in length, by 14 feet wide at the base with 2:1 slopes on the side walls. This butlet for the wetland BMP pond. <u>Excavating</u>
	Haul Distance (ft.)15Bucket Capacity (cy)2.5Full Travel Time (min)0.2Empty Travel Time (min)0.1Cycle Time (min)0.3
	Efficiency 0.5
	Max Production (cy/hr) 250

Limiting Factor:

Data from Caterpillar Performance Handbook for Excavator 330LC.

Assumptions:

It is assumed that all work can be completed using an excavator and that excavated material can be cast to the side of the ditch eliminating the need for additional hauling.

	Pro	duction: 250	cy/hr			
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipment \$/hr	Equip Maint \$/hr	Total \$/hr
	5	1 Excavator ZX330LC	\$71.31 \$71.31	\$57.45 \$57.45	\$73.49 \$73.49	\$202 \$202.24
			0 \$0.00	0 \$0.00	0 \$0.00	0 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Subtotal Hourly Costs		\$71.31	\$57.45	\$73.49	\$202
	Total Hourly Cost		\$0.29	\$0.23	\$0.29 Task	\$0.81 Total \$0.81

Client: Project:	Coeur Alaska, Inc. Kensington Project				
	Closure Reclamation I	Estimate			
Prepared By:	DPC				
Date:	March 22, 2013				
Operational Analysis	Task No.	17.22			
Operational Analysis	Parcel	17.22			
Decorintion	Rip Rap Stabilized Ch	annal			
Description:	Rip Rap Stabilized Ch	annei			
This task consists of cos	sts to line the stabilize	d channel with rip rap hauled	d from the d	evelopment rock stockpile (Parcel 9).	
Production Rates:					
Placing Rig	Ran Ha	aul Units		Loading	
Haul Distance (ft.	.) 15	Haul Distance (mi.)	0.5	Haul Distance (ft.)	20
Bucket Capacity (cy	ý) 2.5	Load Time (min)	0.35	Bucket Capacity (cy)	7
Full Travel Time (min	0.2	Full Travel Time (min)	1	Full Travel Time (min)	0.08
Empty Travel Time (min) 0.1	Empty Travel Time (min)	2.2	Empty Travel Time (min)	0.06
Cycle Time (min	Ú 0.3	Cycle Time (min)	3.55	Cycle Time (min)	0.14
- , (,	Unit Capacity (cy)	17	Cycles/Haul Unit	2
Efficienc	v 0.5	Efficiency	0.8	Efficiency	0.8
Enloiding	, 0.0	Unit Rate (cy/hr)	229.9	Load Time/Unit (min)	0.35
		Loads (trk/hr)	13.0	Units Loaded/hr	171
Max Production (cy/hr) 250	Loads (IINII)	13.0	Max Production (cy/hr)	2,907
	,				,
				Haul Units	1.0
					1.0
				Total Haul Capacity (cy/hr)	230

Data from Caterpillar Performance Handbook for Loader 980H, 330 Excavator, and Articulated Truck 730

Assumptions:

Production will be limited by haul rate. 80 cy/hr Production: Labor \$/hr Equipment Equip Maint \$/hr \$/hr Equip. Equip. Total No. Count Description \$/hr 5 1 Excavator ZX330LC \$71.31 \$57.45 \$73.49 \$202 \$57.45 \$202.24 \$71.31 \$73.49 0 \$0.00 41 \$10.34 80 \$19.92 36 4 Pickup Truck 4x4 38 \$9.58 24 1 Volvo A25D \$70.56 \$63.19 \$46.14 \$180 \$70.56 \$63.19 \$46.14 \$179.90 50 1 Foreman \$74.36 \$0.00 \$0.00 \$74 \$74.36 \$0.00 \$0.00 \$74.36 1 Loader L220E \$71.31 \$68.94 \$72.54 \$213 11 \$212.79 \$71.31 \$68.94 \$72.54 \$0.00 Subtotal Hourly Costs \$287.54 \$230.95 \$230.50 \$749 Total Hourly Cost \$3.59 \$2.89 \$2.88 \$9.36 Task Total \$9.36

	Coeur Alaska, Inc.				
Project:	Kensington Project				
	Closure Reclamation Estimat	te			
Prepared By:	DPC				
Date:	March 22, 2013				
Operational Analysis	Task No. Parcel	17.23 17			
Description:	Grading				
using a dozer to res	alin admin area will consist shape the surface. Work will				
houl is included up	dor Tack 9 24 This tack also			om Darcol 9	
haul is included un Production Rates:	der Task 8.24. This task also			om Parcel 8.	
	der Task 8.24. This task also		material hauled fro		
	der Task 8.24. This task also				
	der Task 8.24. This task also Spread		material hauled fro	actors	
			material hauled from Production Fa Unit Wt	actors 2,600	
Production Rates:	Spread	includes speading fill	material hauled from Production Fa Unit Wt Slot	actors 2,600 1.00	
Production Rates:	<u>Spread</u> Push Distance (ft)	includes speading fill	<u>Production Fr</u> Unit Wt Slot Slope Material Operator	actors 2,600 1.00 2.00	
Production Rates:	<u>Spread</u> Push Distance (ft) duction Rate (Lcy/hr)	60 1500	material hauled from <u>Production Fraction</u> Unit Wt Slot Slope Material	actors 2,600 1.00 2.00 0.80	

Production factors assume a 50% efficiency for 2:1 slope.

Limiting Factor:

Production will be limited by the spread rate for the D8 Dozer. A laborer will work as a grade checker.

	Production:	79	<mark>96</mark> cy/hr			
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipment \$/hr	t Equip Maint \$/hr	Total \$/hr
	3 1	Dozer D8	\$71.31 \$71.31	\$97.66 \$97.66	\$94.03 \$94.03	\$263.00 \$263.00
6	51 1	Labor 1	\$60.53 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$60.53 \$60.53
3	36 1	Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly Costs		\$131.84	\$108.01	\$103.61	\$343.46
	TOTAL COST PER	UNIT	\$0.17	\$0.14	\$0.13	\$0.43

Client: Project:	Coeur Alaska, Inc. Kensington Project			
Prepared By: Date:	Closure Reclamation Estimate DPC March 22, 2013			
Operational Ar	alysi Task No. 17.24 Parcel 17			
Description:	Load, Haul, and Spread Topsoi			
Load, haul, ar	nd spread topsoil from Parcel 20 on regraded bo	rrow area. A nomir	nal topsoil depth of 12 inches is used.	
Production Ra	ates: <u>Haul Units</u>		Loading	
	Haul Distance (mi.) Load Time (min) Full Travel Time (min)	0.74 0.35 5.2	Haul Distance (ft.) Bucket Capacity (cy) Full Travel Time (min)	20 7 0.08
	Empty Travel Time (min) Cycle Time (min) Unit Capacity (cy) Efficiency	2 7.55 17 0.8	Empty Travel Time (min) Cycle Time (min) Cycles/Haul Unit Efficiency	0.06 0.14 2 0.8
Slot	tors Unit Rate (cy/hr) 600 Loads (trk/hr) 1.00	108.1 6.0	Load Time/Unit (min) Units Loaded/hr Max Production (cy/hr)	0.35 171 2,907
Stockpile Operator	Spread 1.20 Push Distance (ft) 0.75 Production Rate (Lcy/hr)	300 350		
	0.50 Factor 1.44 Effective Production Rate (cy/hr)	1.29 453	Haul Units Total Haul Capacity (cy/hr)	3.0 324

Data from Caterpillar Performance Handbook for Loader 980H, Articulated Truck 730, and D8 dozer

Limiting Factor:

Production will be limited by the spread rate.

	Production:	45	33 cy/hr			
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipmen \$/hr	Equip Maint \$/hr	Total \$/hr
3	1	Dozer D8	\$71.31 \$71.31	\$97.66 \$97.66	\$94.03 \$94.03	\$263.00 \$263.00
24	3	Volvo A25D	\$211.68 \$70.56	\$189.58 \$63.19	\$138.43 \$46.14	\$539.69 \$179.90
11	1	Loader L220E	\$71.31 \$71.31	\$68.94 \$68.94	\$72.54 \$72.54	\$212.79 \$212.79
50	1	Foreman	\$74.36 \$74.36	\$0.00 \$0.00	\$0.00 \$0.00	\$74.36 \$74.36
36	1	Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly Costs		\$428.66	\$366.53	\$314.58	\$1,110
	TOTAL COST PER	UNIT	\$0.95	\$0.81	\$0.69	\$2.45

Client:	Coeur Alaska, Inc.					
Project:	Kensington Project					
Dress and Dru	Closure Reclamation Estimate DPC					
Prepared By: Date:	March 22, 2013					
Dato.						
Operational Analysis		17.31				
	Parcel	17				
Description:	Seed Mulch and Fertilize					
Hydro seeding with	mulch and fertilizer.					
Production Rates:						
Production based on	2005 RSMeans Heavy Construction	on Cost Data. 19th A	nnual Edition.			
Crew	MSF	Material	Cost \$28.61	Liniond	Seed/MSF \$8.75	% of parcel
	ac/hr	Location Factor	1.000	Upland Wetland	\$0.75 \$15.01	86 14
0.20		Adj. Material	\$28.61	Welland	φ13.01	14
		Seed	\$9.64			
		Total with seed	\$38.25 MSF			
		Γ	\$1,670 ac			
		·				

	Production	0.2	ac/hr			
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipmen \$/hr	t Equip Maint \$/hr	Total \$/hr
30	0 1	Farm tractor Kubota 4500	\$70.56 \$70.56	\$8.62 \$8.62	\$14.20 \$14.20	\$93.3 \$93.3
3	6 1	Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.9 \$19.9
5	1 1	Oper. 1	\$71.31 \$71.31	\$0.00 \$0.00	\$0.00 \$0.00	\$71.3 \$71.3
6	1 1	Labor 1	\$60.53 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$60.5 \$60.5
3	1 1	Hydroseeder/Mulcher	\$70.56 \$70.56	\$68.94 \$68.94	\$5.87 \$5.87	\$145.: \$145.:
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
	Total Hourly Costs		\$272.96	\$87.90	\$29.65	\$390.
	TOTAL COST PER UN	NIT	\$1,364.81	\$439.49	\$148.27	\$1,952 \$1,67

Client: Project:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate			
Prepared By: Date:	DPC March 22, 2013			
Operational Analysis	Task No. Parcel	18.21 18		
Description:	Grading			
	ow area will consist of rough g eted using a D8 Dozer equippe		shape disturbed areas and to spread topsoil across the siter. r.	e.
Production Rates:				
	<u>Spread</u> Push Distance (ft) roduction Rate (Lcy/hr) Factor Production Rate (cy/hr)	100 950 0.66 627	Production FactorsUnit Wt2,100Slot1.20Slope1.00Material1.00Operator0.75Eff.0.67Wt1.10	

	Production:		627 cy/hr			
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipmen \$/hr	t Equip Maint \$/hr	Total \$/hr
	3 1	Dozer D8	\$71.31 \$71.31	\$97.66 \$97.66	\$94.03 \$94.03	\$263.00 \$263.00
(36 1	Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
ę	50 1	Foreman	\$74.36 \$74.36	\$0.00 \$0.00	\$0.00 \$0.00	\$74.36 \$74.36
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly Costs		\$145.67	\$108.01	\$103.61	\$357.2
	TOTAL COST PER UN		\$0.23	\$0.17	\$0.17	\$0.57

Client: Project: Prepared By: Date:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate DPC March 22, 2013
Dale.	Inici 22, 2013
Operational Analysis	Task No. 18.23 Parcel 18
Description:	Soil Preparation
	be prepared/scarified using a D6 dozer.
Regraded areas wil Production Rates:	be prepared/scarified using a D6 dozer.

	Production:		1.0 ac/hr			
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipmen \$/hr	t Equip Maint \$/hr	Total \$/hr
	1 1	Dozer D6R	\$71.31 \$71.31	\$68.94 \$68.94	\$49.64 \$49.64	\$189.8 \$189.8
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly Costs		\$71.31	\$68.94	\$49.64	\$189.8
	TOTAL COST PER	UNIT	\$73.54	\$71.09	\$51.19	\$195.8

Client: Project:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate
Prepared By:	DPC
Date:	March 22, 2013
Operational Analysis	Task No. 18.31 Parcel 18
Description:	Seed, Mulch, and Fertilize
Hydro seeding with	mulch and fertilizer.
Production Rates:	

Production based on 2005 RSMeans Heavy Construction Cost Data, 19th Annual Edition.

Crew Output	80 MSF 0.23 ac/hr	Material Location Factor Adj. Material Seed Total with seed	Cost \$28.61 1.000 \$28.61 \$9.06 \$37.66 MSF \$1,640]ac	Upland Wetland	Seed/MSF \$8.75 \$15.01	% of parcel 95 5
			\$1,640 ac			

No. Count Description \$/hr		Production:	0.2	ac/hr			
\$70.56 \$8.62 \$14.20 \$9 36 Pickup Truck 4x4 \$0.00 \$10.34 \$9.58 \$1 51 Oper. 1 \$71.31 \$0.00 \$0.00 \$7 61 1 Labor 1 \$60.53 \$0.00 \$0.00 \$6 31 Hydroseeder/Mulcher \$70.56 \$68.94 \$5.87 \$14 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$6 31 Hydroseeder/Mulcher \$70.56 \$68.94 \$5.87 \$14 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	Equip. I No. 0	Equip. Count	Description			Equip Maint \$/hr	Total \$/hr
\$0.00 \$10.34 \$9.58 \$1 51 Oper. 1 \$71.31 \$0.00 \$0.00 \$7 61 Labor 1 \$60.53 \$0.00 \$0.00 \$6 31 1 Hydroseeder/Mulcher \$70.56 \$68.94 \$5.87 \$14 \$0.00 \$0.00 \$0.00 \$60.00 \$6 \$61 \$14 \$0.00 \$0.00 \$0.00 \$0.00 \$6.894 \$5.87 \$14 \$11 Hydroseeder/Mulcher \$70.56 \$68.94 \$5.87 \$14 \$11 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$11 \$0.00 <td>30</td> <td>1</td> <td>Farm tractor Kubota 4</td> <td></td> <td></td> <td></td> <td>\$93.38 \$93.38</td>	30	1	Farm tractor Kubota 4				\$93.38 \$93.38
\$71.31 \$0.00 \$0.00 \$7 61 1 Labor 1 \$60.53 \$0.00 \$0.00 \$6 31 1 Hydroseeder/Mulcher \$70.56 \$68.94 \$5.87 \$14 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$14 \$1 Hydroseeder/Mulcher \$70.56 \$68.94 \$5.87 \$14 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	36	1	Pickup Truck 4x4				\$19.92 \$19.92
\$60.53 \$0.00 \$0.00 \$6 31 1 Hydroseeder/Mulcher \$70.56 \$68.94 \$5.87 \$14 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 </td <td>51</td> <td>1</td> <td>Oper. 1</td> <td></td> <td></td> <td></td> <td>\$71.31 \$71.31</td>	51	1	Oper. 1				\$71.31 \$71.31
\$70.56 \$68.94 \$5.87 \$14 \$0.00 \$0.	61	1	Labor 1				\$60.53 \$60.53
\$0.00 \$0.00 <th< td=""><td>31</td><td>1</td><td>Hydroseeder/Mulcher</td><td></td><td></td><td></td><td>\$145.37 \$145.37</td></th<>	31	1	Hydroseeder/Mulcher				\$145.37 \$145.37
\$0.00 \$0.00 <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>\$0.00 \$0.00</td></th<>							\$0.00 \$0.00
\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00							\$0.00 \$0.00
\$0.00 \$0.00 \$0.00 \$0 \$0.00 \$0.00 \$0.00 \$0 \$0.00 \$0.00 \$0.00 \$0 \$0.00 \$0.00 \$0.00 \$0 \$0.00 \$0.00 \$0.00 \$0 \$0.00 \$0.00 \$0.00 \$0 \$0.00 \$0.00 \$0.00 \$0 \$0.00 \$0.00 \$0.00 \$0 \$0.00 \$0.00 \$0.00 \$0 \$0.00 \$0.00 \$0.00 \$0 \$0.00 \$0.00 \$0.00 \$0							\$0.00 \$0.00
\$0.00 \$0.00 <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>\$0.00 \$0.00</td></th<>							\$0.00 \$0.00
\$0.00 \$0.00 <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>\$0.00 \$0.00</td></th<>							\$0.00 \$0.00
\$0.00 \$0.00							\$0.00 \$0.00
							\$0.00 \$0.00
							\$0.00 \$0.00
Total Hourly Costs \$272.96 \$87.90 \$29.65 \$39	-	Total Hourly Costs		\$272.96	\$87.90	\$29.65	\$390.51

Client:	Coeur Alaska, Inc.				
Project:	Kensington Project Closure Reclamation Estimate				
Prepared By:	DPC	5			
Date:	March 22, 2013				
Operational Analysis	Task No. Parcel	19.21 19			
Description:	Grading				
	ow area will consist of rough h a U blade and ripper.	grading using a dozer to	reshape disturbed areas. Wo	ork will be complete	d using a D8
Production Rates:					
	<u>Dozing</u> Push Distance (ft) oduction Rate (Lcy/hr) Factor roduction Rate (cy/hr)	100 950 0.49 468	Production Fai Unit Wt Slot Slope Material Operator Eff. Wt	ctors 2,100 1.20 1.00 1.00 0.75 0.50 1.10	

	Production:	4	68 cy/hr			
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipment \$/hr	Equip Maint \$/hr	Total \$/hr
	3 1	Dozer D8	\$71.31 \$71.31	\$97.66 \$97.66	\$94.03 \$94.03	\$263.0 \$263.0
	36 1	Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
	50 1	Foreman	\$74.36 \$74.36	\$0.00 \$0.00	\$0.00 \$0.00	\$74.36 \$74.36
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		ļ	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly Costs		\$145.67	\$108.01	\$103.61	\$357.2
	TOTAL COST PER		\$0.31	\$0.23	\$0.22	\$0.76

		Estimate				
	PC arch 22, 2013					
rational Analysis	Task No.	19.22	1			
,	Parcel	19				
cription: Lo	oad, Haul and Spread	d Topsoil				
d haul and spread	topsoil from Parcel	31 on regraded borro	w area. A nominal	topsoil depth of 12	2 inches is used.	
duction Rates:		Haul Units			Loading	
		Haul Distance (mi.)	1.8		Haul Distance (ft.) 2
		Load Time (min)	0.35		Bucket Capacity (cy)
	-	Full Travel Time (min)			Full Travel Time (min	
luction Easters	E	mpty Travel Time (min)			Empty Travel Time (min)	
luction Factors Wt 1,600		Cycle Time (min) Unit Capacity (cy)			Cycle Time (min Cycles/Haul Uni	
1.00		Efficiency			Efficiency	
e 1.00		Unit Rate (cy/hr)			Load Time/Unit (min	0.
erial 1.20		Loads (trk/hr)	5		Units Loaded/h	r 17
ator 0.75		o /			Max Production (cy/hr	2,90
0.50 1.44		<u>Spread</u> Push Distance (ft)	100			
1.44	F	Production Rate (Lcv/hr)			Haul Units	4.
	I	Factor			Total Haul Capacity (cy/hr	
	Effective	Production Rate (cy/hr)				
uction will be limi	ted by the topsoil d	lelivery rate for haul tr		hich is only slightl	y less than the spreading r	ate for the
		0.1				
	quip. ount	Description	Labor \$/hr	Equipment \$/hr	Equip Maint \$/hr	Total \$/hr
		Description Dozer D8				\$/hr \$263.00
No. C	ount		\$/hr \$71.31	\$/hr \$97.66	\$/hr \$94.03	\$/hr \$263.00 \$263.00 \$719.58
No. C	ount 1	Dozer D8	\$/hr \$71.31 \$71.31 \$282.24	\$/hr \$97.66 \$97.66 \$252.78	\$/hr \$94.03 \$94.03 \$184.57	
No. C	ount1	Dozer D8 Volvo A25D	\$/hr \$71.31 \$71.31 \$282.24 \$70.56 \$71.31	\$/hr \$97.66 \$97.66 \$252.78 \$63.19 \$68.94	\$/hr \$94.03 \$94.03 \$184.57 \$46.14 \$72.54	\$/hr \$263.00 \$263.00 \$719.58 \$179.90 \$212.79
No. C	ount1	Dozer D8 Volvo A25D Loader L220E	\$/hr \$71.31 \$71.31 \$282.24 \$70.56 \$71.31 \$71.31 \$71.31 \$74.36	\$/hr \$97.66 \$97.66 \$252.78 \$63.19 \$68.94 \$68.94 \$68.94 \$0.00	\$/hr \$94.03 \$94.03 \$184.57 \$46.14 \$72.54 \$72.54 \$0.00 \$0.00 \$0.00 \$9.58	\$/hr \$263.00 \$263.00 \$719.58 \$179.90 \$212.79 \$212.79 \$212.79 \$74.36 \$74.36 \$74.36 \$19.92
No. C	11111	Dozer D8 Volvo A25D Loader L220E Foreman	\$/hr \$71.31 \$71.31 \$282.24 \$70.56 \$71.31 \$71.31 \$74.36 \$74.36 \$74.36 \$74.36 \$0.00 \$0.00 \$0.00 \$0.00	\$/hr \$97.66 \$97.66 \$252.78 \$63.19 \$68.94 \$68.94 \$68.94 \$0.00 \$0.00 \$10.34 \$10.34 \$10.34 \$0.00	\$/hr \$94.03 \$94.03 \$184.57 \$46.14 \$72.54 \$72.54 \$72.54 \$0.00 \$0.00 \$0.00 \$9.58 \$9.58 \$9.58 \$9.58 \$0.00	\$/hr \$263.00 \$263.00 \$719.58 \$179.90 \$212.79 \$212.79 \$74.36 \$74.36 \$74.36 \$19.92 \$19.92 \$0.00
No. C	11111	Dozer D8 Volvo A25D Loader L220E Foreman	\$/hr \$71.31 \$72.31 \$282.24 \$70.56 \$71.31 \$71.31 \$74.36 \$74.36 \$74.36 \$0.00	\$/hr \$97.66 \$97.66 \$252.78 \$63.19 \$68.94 \$68.94 \$68.94 \$0.00 \$0.00 \$10.34 \$10.34 \$10.34 \$0.00 \$0.00 \$0.00 \$0.00	\$/hr \$94.03 \$94.03 \$184.57 \$46.14 \$72.54 \$72.54 \$72.54 \$0.00 \$0.00 \$9.58 \$9.58 \$9.58 \$9.58 \$9.58 \$9.58 \$0.00 \$0.00 \$0.00 \$0.00	\$/hr \$263.00 \$263.00 \$719.58 \$179.90 \$212.79 \$212.79 \$212.79 \$74.36 \$74.36 \$19.92 \$19.92 \$19.92 \$19.92 \$0.00 \$0.00 \$0.00
No. C	11111	Dozer D8 Volvo A25D Loader L220E Foreman	\$/hr \$71.31 \$72.31 \$282.24 \$70.56 \$71.31 \$71.31 \$74.36 \$74.36 \$74.36 \$74.36 \$0.00 \$0.00 \$0.00 \$0.00	\$/hr \$97.66 \$97.66 \$252.78 \$63.19 \$68.94 \$68.94 \$68.94 \$0.00 \$0.00 \$10.34 \$10.34 \$10.34	\$/hr \$94.03 \$94.03 \$184.57 \$46.14 \$72.54 \$72.54 \$72.54 \$0.00 \$0.00 \$9.58 \$9.58 \$9.58 \$9.58 \$9.58 \$9.58	\$/hr \$263.00 \$719.58 \$179.90 \$212.79 \$212.79 \$212.79 \$74.36 \$74.36 \$19.92 \$19.92 \$19.92 \$0.00 \$0.00

\$0.00 \$0.00

\$0.00 \$0.00

\$0.00 \$0.00

\$0.00 \$0.00

\$429.72

\$1.14

\$0.00 \$0.00

\$0.00 \$0.00

\$0.00 \$0.00

\$0.00 \$0.00

\$360.72

\$0.96

\$0.00 \$0.00

\$0.00 \$0.00

\$0.00 \$0.00

\$0.00 \$0.00

\$499.22

\$1.32

Total Hourly Costs

TOTAL COST PER UNIT

\$0.00 \$0.00

\$0.00 \$0.00

\$0.00 \$0.00

\$0.00 \$0.00

\$1,290

\$3.42

Client: Project: Prepared By: Date:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate DPC March 22, 2013
Operational Analysis	Task No. 19.23 Parcel 19
Description:	Soil Preparation
Regraded areas wil	be prepared/scarified using a D6 dozer.
Regraded areas wil Production Rates:	be prepared/scarified using a D6 dozer.

Production will be limited by the ripping rate for the D6 Dozer.

Production: 1.0 ac/hr

Equip. No.	Equip. Count I	Description	Labor \$/hr	Equipment \$/hr	Equip Maint \$/hr	Total \$/hr
	1 1	Dozer D6R	\$71.31 \$71.31	\$68.94 \$68.94	\$49.64 \$49.64	\$189.89 \$189.89
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly Costs		\$71.31	\$68.94	\$49.64	\$189.89
	TOTAL COST PER UN	лт 	\$73.54	\$71.09	\$51.19	\$195.82

Client: Project:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate
Prepared By:	DPC
Date:	March 22, 2013
Operational Analysi	Task No. 19.31 Parcel 19
Description:	Seed, Mulch, and Fertilize
Hydro seeding wit	h mulch and fertilizer.
Production Rates:	

Production based on 2005 RSMeans Heavy Construction Cost Data, 19th Annual Edition.

Crew Output	80 MSF 0.23 ac/hr	Material Location Factor Adj. Material Seed Total with seed	Cost \$28.61 1.000 \$28.61 \$9.69 \$38.29 MSF \$1.670]ac	Upland Wetland	Seed/MSF \$8.75 \$15.01	% of parcel 85 15
			\$1,670 ac			

Produ	uction: 0.2	ac/hr			
Equip. Equip. No. Count	Description	Labor \$/hr	Equipment \$/hr	t Equip Maint \$/hr	Total \$/hr
30	1 Farm tractor Kubota 4500	\$70.56 \$70.56	\$8.62 \$8.62	\$14.20 \$14.20	\$93.3 \$93.3
36	1 Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.9 \$19.9
51	1 Oper. 1	\$71.31 \$71.31	\$0.00 \$0.00	\$0.00 \$0.00	\$71.3 \$71.3
61	1 Labor 1	\$60.53 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$60. \$60.
31	1 Hydroseeder/Mulcher	\$70.56 \$70.56	\$68.94 \$68.94	\$5.87 \$5.87	\$145. \$145.
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
Total Hourly	Costs	\$272.96	\$87.90	\$29.65	\$390
TOTAL COS	T PER UNIT	\$1,364.81	\$439.49	\$148.27	\$1,95 \$1,6

Client:	Coeur Alaska, Inc.
Project:	Kensington Project
	Closure Reclamation Estimate
Prepared By:	DPC
Date:	March 22, 2013
Operational Analysis	Task No. 19.32 Parcel 19
Description:	Silt Fencing
Supply and install s	silt fencing around reclaimed areas.
Production Rates:	

Production based on 2005 RSMeans Heavy Construction Cost Data, 19th Annual Edition.

Crew Output	950 daily 0.017 hr/lf/man	Material Location Factor Adj. Material	Cost \$0.62 1.000 \$0.62

	Production: 119]If/hr						
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipmen \$/hr	t Equip Maint \$/hr	Total \$/hr	
6	51	2 Labor 1	\$121.07 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$121.0 \$60.53	
	36	1 Pickup Truck 4x	(4 \$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.9 \$19.9	
	30	1 Farm tractor Ku	bota 45 \$70.56 \$70.56	\$8.62 \$8.62	\$14.20 \$14.20	\$93.3 \$93.3	
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	
	Total Hourly C	osts	\$191.63	\$18.96	\$23.78	\$234.3	
	TOTAL COST	PER UNIT	\$1.61	\$0.16	\$0.20 Materials	\$1.97 \$0.62	

Client: Project:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate
Prepared By: Date:	DPC March 22, 2013
Operational Analysis	Task No. 20.11 Parcel 20
Description:	Fold Pond Liner
Demo. pond liner sy	stem. This task will include removal cutting and folding the membrane liner within the pond.

Production Rates:

Assumptions:

An excavator will be used to excavate the liner anchor trench and aid in folding the liners. Two laborers will cut the liners and work with the excavator. Backfill over the pond is covered under Task 20.21.

	Produ	iction:	<mark>1</mark> /hr			
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipment \$/hr	Equip Maint \$/hr	Total \$/hr
	61	2 Labor 1	\$121.07 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$121.07 \$60.53
	5	1 Excavator ZX330LC	\$71.31 \$71.31	\$57.45 \$57.45	\$73.49 \$73.49	\$202.24 \$202.24
	36	1 Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly C	Costs	\$192.38	\$67.79	\$83.07	\$343.24
	TOTAL COST	FPER UNIT	\$192.38	\$67.79	\$83.07	\$343.24

Client: Project: Prepared By: Date:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate DPC March 22, 2013	3			
Operational Analysis	Task No. Parcel	20.21 20			
Description:	Grading				
	w area to reduce cut slopes, c ripper. The reclaimed acerage			pleted using a D8	3 Dozer equipped
Production Rates:					
	<u>Dozing</u> Push Distance (ft) roduction Rate (Lcy/hr) Factor Production Rate (cy/hr)	100 950 0.66 627	Production Fac Unit Wt Slot Slope Material Operator Eff. Wt	tors 2,100 1.20 1.00 1.00 0.75 0.67 1.10	

	Production:	627 cy/hr			
Equip. No.	Equip. Count Descrip	Labor tion \$/hr	Equipmen \$/hr	t Equip Maint \$/hr	Total \$/hr
	3 1 Dozer	D8 \$71.31 \$71.31	\$97.66 \$97.66	\$94.03 \$94.03	\$263.0 \$263.0
	36 1 Pickup	Truck 4x4 \$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
	50 1 Forem	an \$74.36 \$74.36	\$0.00 \$0.00	\$0.00 \$0.00	\$74.36 \$74.36
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly Costs	\$145.67	\$108.01	\$103.61	\$357.2
	TOTAL COST PER UNIT	\$0.23	\$0.17	\$0.17	\$0.57

Client: Project:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate	
Prepared By: Date:	DPC March 22, 2013	
Operational Analys	it Task No. Parcel	20.22 20
Description:	Soil Preparation	
Regraded areas v	vill be prepared/scarified using a D	6 dozer.
Production Rates	:	
<u>Tillage R</u>	Pate .	
Velocity	1 mph	
Tool Wid Productio		
Efficienc		
Effective Production		

	Producti	on:	1.0 ac/hr			
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipment \$/hr	t Equip Maint \$/hr	Total \$/hr
	1	1 Dozer D6R	\$71.31 \$71.31	\$68.94 \$68.94	\$49.64 \$49.64	\$189.8 \$189.8
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly Cost	s	\$71.31	\$68.94	\$49.64	\$189.8
	TOTAL COST PE	RUNIT	\$73.54	\$71.09	\$51.19	\$195.8

Client: Project:	Coeur Alaska, Inc. Kensington Project		
,	Closure Reclamation Estimate		
Prepared By:	DPC		
Date:	March 22, 2013		
Operational Analysis	Task No. 20.23 Parcel 20		
Description:	Haul Graphitic Phyllite to Jualin Mine Tunnel		
Load and haul grap	nitic phyllite from borrow/stockpile area into the	Jualin Tunnel (Pa	rcel 8)
Production Rates:			
	<u>Haul Units</u>		Loading
	Haul Distance (mi.)	1.4	Haul Distance (ft.) 20
	Load Time (min)	0.5	Bucket Capacity (cy) 7
	Full Travel Time (min)	42	Full Travel Time (min) 0.08
	Empty Travel Time (min)	24	Empty Travel Time (min) 0.06
	Cycle Time (min)	68	Cycle Time (min) 0.14
	Unit Capacity (cy)	18.8	Cycles/Haul Unit 3
	Efficiency	0.8	Efficiency 0.8
	Unit Rate (cy/hr)	13.3	Load Time/Unit (min) 0.5
	Loads (trk/hr)	0.7	Units Loaded/hr 114
			Max Production (cy/hr) 2,143
			Haul Units 2.0
			Total Haul Capacity (cy/hr) 27
Limiting Factor:	Data from Caterpillar Perform	ance Handbook fo	r Loader 980H and Mining Truck AD30.

Production will be limited by the number of haul trucks used to transport material.

Production: 27 cy/hr

Equip. Vo.	Equip. Count	Description	Labor \$/hr	Equipment \$/hr	t Equip Maint \$/hr	Total \$/hr
	25	2 Cat AD30 Underground	\$141.12	\$0.00	\$45.36	\$186.4
	20		\$70.56	\$0.00	\$22.68	\$93.24
	11	1 Loader L220E	\$71.31	\$68.94	\$72.54	\$212.7
			\$71.31	\$68.94	\$72.54	\$212.7
			\$0.00	\$0.00	\$0.00	\$0.00
			\$0.00	\$0.00	\$0.00	\$0.00
			\$0.00	\$0.00	\$0.00	\$0.00
			\$0.00	\$0.00	\$0.00	\$0.00
			\$0.00	\$0.00	\$0.00	\$0.00
			\$0.00	\$0.00	\$0.00	\$0.00
			\$0.00	\$0.00	\$0.00	\$0.00
			\$0.00	\$0.00	\$0.00	\$0.00
			\$0.00	\$0.00	\$0.00	\$0.00
			\$0.00	\$0.00	\$0.00	\$0.00
			\$0.00	\$0.00	\$0.00	\$0.00
			\$0.00	\$0.00	\$0.00	\$0.00
			\$0.00	\$0.00	\$0.00	\$0.00
			\$0.00	\$0.00	\$0.00	\$0.00
			\$0.00	\$0.00	\$0.00	\$0.00
			\$0.00	\$0.00	\$0.00	\$0.00
			\$0.00 \$0.00	\$0.00	\$0.00	\$0.00
				\$0.00	\$0.00	\$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			φ0.00	φ0.00	ψ0.00	φ0.00
	Total Hourly	Costs	\$212.43	\$68.94	\$117.90	\$399
	TOTAL COS		\$7.87	\$2.55	\$4.37	\$14.79

Client:	Coeur Alaska, Inc.			
Project:	Kensington Project			
	Closure Reclamation Estimate			
Prepared By:	DPC			
Date:	March 22, 2013			
Operational An	alysis Task No. 20.24 Parcel 20			
Description:	Load, Haul and Spread Topsoil			
Load haul and	spread topsoil from Parcel 31 on regraded borrow a	area. A nominal topso	il depth of 12 inches is used.	
Production Ra	tes: Haul Units		Loading	
	<u>Hau Onits</u>		Loading	
	Haul Distance (mi.)	0.1	Haul Distance (ft.)	20
	Load Time (min)	0.35	Bucket Capacity (cy)	7
	Full Travel Time (min)	1	Full Travel Time (min)	0.08
	Empty Travel Time (min)	1	Empty Travel Time (min)	0.06
	Cycle Time (min)	2.35	Cycle Time (min)	0.14
Production Fac	tors Unit Capacity (cy)	17	Cycles/Haul Unit	2
Unit Wt 1	I,600 Efficiency	0.8	Efficiency	0.8
Slot	1.00 Unit Rate (cy/hr)	347.2	Load Time/Unit (min)	0.4
Slope	1.00 Loads (trk/hr)	20	Units Loaded/hr	171
Material	1.20		Max Production (cy/hr)	2,907
Operator	0.75 <u>Spread</u>			
Eff.	0.50 Push Distance (ft)	100		
Wt	1.44 Production Rate (Lcy/hr)	850	Haul Units	2.0
	Factor	0.65	Total Haul Capacity (cy/hr)	694
	Effective Production Rate (cy/hr)	550		
Limiting Facto	r: Data from Caterpillar Perfo	rmance Handbook for	Loader 980H, Articulated Truck 730, and D8	dozer.

Production will be limited by the spread rate (425 cy/hr)..

	Production:	50 cy/hr			
Equip. Equip. No. Count	Description	Labor \$/hr		Equip Maint \$/hr	Total \$/hr
3	1 Dozer D8	\$71.31 \$71.31	\$97.66 \$97.66	\$94.03 \$94.03	\$263.00 \$263.00
24	2 Volvo A25D	\$141.12 \$70.56	\$126.39 \$63.19	\$92.28 \$46.14	\$359.79 \$179.90
11	1 Loader L220E	\$71.31 \$71.31	\$68.94 \$68.94	\$72.54 \$72.54	\$212.79 \$212.79
50	1 Foreman	\$74.36 \$74.36	\$0.00 \$0.00	\$0.00 \$0.00	\$74.36 \$74.36
36	1 Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
Total Hou	rly Costs	\$358.10	\$303.33	\$268.44	\$930
TOTAL C	OST PER UNIT	\$0.65	\$0.55	\$0.49	\$1.69

Client: Project:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate
	DPC
Date:	March 22, 2013
Operational Analysis	Task No. 20.31 Parcel 20
Description:	Seed, Mulch, and Fertilize
Hydro seeding with	mulch and fertilizer.
Production Rates:	

Production based on 2005 RSMeans Heavy Construction Cost Data, 19th Annual Edition.

A	Cost Material \$28.61 ation Factor 1.000 (dj. Material \$28.61 Seed \$9.37 al with seed \$37.98 MSF \$1,650 ac	Upland Wetland	Seed/MSF \$8.75 \$15.01	% of parcel 90 10
---	--	-------------------	-------------------------------	-------------------------

Proc	duction: 0.	2 ac/hr			
Equip. Equip. No. Count	Description	Labor \$/hr	Equipment \$/hr	Equip Maint \$/hr	Total \$/hr
30	1 Farm tractor Kubota	4£ \$70.56 \$70.56	\$8.62 \$8.62	\$14.20 \$14.20	\$93.3 \$93.3
36	1 Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.9 \$19.9
51	1 Oper. 1	\$71.31 \$71.31	\$0.00 \$0.00	\$0.00 \$0.00	\$71.3 \$71.3
61	1 Labor 1	\$60.53 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$60.5 \$60.5
31	1 Hydroseeder/Mulche	r \$70.56 \$70.56	\$68.94 \$68.94	\$5.87 \$5.87	\$145. \$145.
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
Total Hourly C	Costs	\$272.96	\$87.90	\$29.65	\$390.
TOTAL COST	PER UNIT	\$1,364.81	\$439.49	\$148.27	\$1,952

Client: Project:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate
Prepared By:	DPC
Date:	March 22, 2013
Operational Analysis	Task No. 20.32 Parcel 20
Description:	Silt Fencing
Supply and install s	ilt fencing around reclaimed areas.
Production Rates:	
Production based on	2005 RSMeans Heavy Construction Cost Data, 19th Annual Edition.

Crew Output	950 daily 0.017 hr/lf/man	Material Location Factor Adj. Material	Cost \$0.62 1.000 \$0.62
Output		Location Factor	1.000

The limiting production factor assumes a 2 person crew and the RSMeans production rate of 950 If daily.

quip. Equip. o. Count	Description	Labor \$/hr	Equipment \$/hr	t Equip Maint \$/hr	Total \$/hr
61	2 Labor 1	\$121.07 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$121.07 \$60.53
36	1 Pickup Truck 4	x4 \$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
30	1 Farm tractor Ku	ubota 45 \$70.56 \$70.56	\$8.62 \$8.62	\$14.20 \$14.20	\$93.38 \$93.38
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
Total Hourl	y Costs	\$191.63	\$18.96	\$23.78	\$234.3
TOTAL CO	ST PER UNIT	\$1.61	\$0.16	\$0.20 Material	\$1.97 s \$0.62

Client: Project:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate DPC
Prepared By: Date:	March 22, 2013
Operational Analysis	Task No. 22.14 Parcel 22
Description:	Fold Pond Liners
Demo. pond liner sy	stem. This task will include removal cutting and folding the membrane liners within the ponds.

Production Rates:

Assumptions:

An excavator will be used to excavate the liner anchor trench and aid in folding the liners. Two laborers will cut the liners and work with the excavator. Backfill over the ponds is covered under Task 22.21.

	Production:		1 /hr			
Equip. Equ No. Cou		iption	Labor \$/hr	Equipmen \$/hr	t Equip Maint \$/hr	Total \$/hr
61	2 Labo	vr 1	\$121.07 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$121.07 \$60.53
5	1 Exca	vator ZX330LC	\$71.31 \$71.31	\$57.45 \$57.45	\$73.49 \$73.49	\$202.24 \$202.24
36	1 Picku	up Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
Tota	I Hourly Costs		\$192.38	\$67.79	\$83.07	\$343.24
TOT	AL COST PER UNIT		\$192.38	\$67.79	\$83.07	\$343.24

Client: Project: Prepared By: Date:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate DPC March 22, 2013			
Operational Analysis	Task No. 22.21 Parcel 22			
Description:	Excavate Fill			
Use excavator to ren	nove fill from area where road crosses draina	age/gulley.	Assumes fill will be hauled to parcel 31.	
Production Rates:	Haul Units		Loading	
	Haul Distance (mi.) Load Time (min) Full Travel Time (min) Empty Travel Time (min) Cycle Time (min) Unit Capacity (cy) Efficiency Unit Rate (cy/hr)	0.4 2.63 0.7 1.1 4.43 17 0.8 184.4	Haul Distance (ft.) Bucket Capacity (cy) Full Travel Time (min) Empty Travel Time (min) Cycle Time (min) Cycles/Haul Unit Efficiency Load Time/Unit (min) Units Loaded/hr Max Production (cy/hr)	15 2.5 0.2 0.1 0.3 7 0.8 2.6 23 391
			Haul Units Total Loadout Capacity (cy/hr)	1.0 184

Limiting Factor: Data from Caterpillar Performance Handbook for Excavator 330, and Articulated Truck 730.

Haul distance of 1880 feet average grade 6% uphill while emtpy was used to calculate cycle times.

	Production: 1	84 cy/hr			
Equip. No.	Equip. Count Description	Labor \$/hr	Equipment \$/hr	Equip Maint \$/hr	Total \$/hr
2	4 1 Volvo A25D	\$70.56 \$70.56	\$63.19 \$63.19	\$46.14 \$46.14	\$179.90 \$179.90
	5 1 Excavator ZX330LC	\$71.31 \$71.31	\$57.45 \$57.45	\$73.49 \$73.49	\$202.24 \$202.24
5	0 1 Foreman	\$74.36 \$74.36	\$0.00 \$0.00	\$0.00 \$0.00	\$74.36 \$74.36
3	6 1 Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly Costs	\$216.23	\$130.98	\$129.21	\$476.43
	TOTAL COST PER UNIT	\$1.18	\$0.71	\$0.70	\$2.59

Client:	Coeur Alaska, Inc.				
Project:	Kensington Project Closure Reclamation Estimate				
Broporod By:	DPC				
Prepared By: Date:	March 22, 2013				
Date.	Watch 22, 2013				
Operational Anal	ysi Task No. 22.22 Parcel 22				
Description:	Load, Haul, and Spread Rip Rap				
Load haul and s	pread rip rap from Parcel 32 on excavated cr	eek crossing	I.		
L					
Production Rate	es:				
	<u>Haul Units</u>	if h	auled from Jualir	n porta <u>Loading</u>	
	Haul Distance (mi.)	1	3.7	Haul Distance (ft.)	20
	Load Time (min)	0.35		Bucket Capacity (cy)	7
	Full Travel Time (min)	1.6	13.5	Full Travel Time (min)	0.08
	Empty Travel Time (min)	2	8.1	Empty Travel Time (min)	0.06
	Cycle Time (min)	3.95		Cycle Time (min)	0.14
	Linit Capacity (cy)	17		Cycles/Haul Unit	2
	Unit Capacity (cy)				
	Efficiency	0.8		Efficiency	0.8
	Efficiency Unit Rate (cy/hr)	<mark>0.8</mark> 206.6		Efficiency Load Time/Unit (min)	0.4
	Efficiency	0.8		Efficiency	
	Efficiency Unit Rate (cy/hr)	<mark>0.8</mark> 206.6		Efficiency Load Time/Unit (min)	0.4
	Efficiency Unit Rate (cy/hr)	<mark>0.8</mark> 206.6		Efficiency Load Time/Unit (min) Units Loaded/hr	0.4 171
	Efficiency Unit Rate (cy/hr) Loads (trk/hr)	<mark>0.8</mark> 206.6		Efficiency Load Time/Unit (min) Units Loaded/hr	0.4 171
	Efficiency Unit Rate (cy/hr) Loads (trk/hr) <u>Spread</u>	0.8 206.6 12		Efficiency Load Time/Unit (min) Units Loaded/hr	0.4 171
	Efficiency Unit Rate (cy/hr) Loads (trk/hr) <u>Spread</u> Push Distance (ft)	0.8 206.6 12 100		Efficiency Load Time/Unit (min) Units Loaded/n Max Production (cy/hr) Haul Units	0.4 171 2,907
	Efficiency Unit Rate (cy/hr) Loads (trk/hr) <u>Spread</u> Push Distance (ft) Production Rate (Lcy/hr)	0.8 206.6 12 100 390		Efficiency Load Time/Unit (min) Units Loaded/hr Max Production (cy/hr)	0.4 171 2,907 1.0
l initing Footor	Efficiency Unit Rate (cy/hr) Loads (trk/hr) <u>Spread</u> Push Distance (ft) Production Rate (Lcy/hr) Efficiency Effective Production Rate (cy/hr)	0.8 206.6 12 100 390 0.5 195	ndhooli far Lood	Efficiency Load Time/Unit (min) Units Loaded/hr Max Production (cy/hr) Haul Units Total Haul Capacity (cy/hr)	0.4 171 2,907 <u>1.0</u> 207
Limiting Factor:	Efficiency Unit Rate (cy/hr) Loads (trk/hr) <u>Spread</u> Push Distance (ft) Production Rate (Lcy/hr) Efficiency Effective Production Rate (cy/hr)	0.8 206.6 12 100 390 0.5 195	ndbook for Loade	Efficiency Load Time/Unit (min) Units Loaded/n Max Production (cy/hr) Haul Units	0.4 171 2,907 <u>1.0</u> 207

Production will be limited by the rate at which rip rap can be delivered to the site (80 cy/hr). H

	Production:	80 cy/hr			
Equip. No.	Equip. Count Description	Labor \$/hr	Equipmen \$/hr	Equip Maint \$/hr	Total \$/hr
1	1 Dozer D6R	\$71.31 \$71.31	\$68.94 \$68.94	\$49.64 \$49.64	\$189.89 \$189.89
24	1 Volvo A25D	\$70.56 \$70.56	\$63.19 \$63.19	\$46.14 \$46.14	\$179.90 \$179.90
11	1 Loader L220E	\$71.31 \$71.31	\$68.94 \$68.94	\$72.54 \$72.54	\$212.79 \$212.79
50	1 Foreman	\$74.36 \$74.36	\$0.00 \$0.00	\$0.00 \$0.00	\$74.36 \$74.36
36	1 Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly Costs	\$287.54	\$211.41	\$177.90	\$677
	TOTAL COST PER UNIT	\$3.59	\$2.64	\$2.22	\$8.46

Client: Project: Prepared By: Date:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate DPC March 22, 2013		
Operational Analysis	Task No. Parcel	22.23 22	
Description:	Grading		
	w area to reduce cut slopes an aimed acerage will be limited b		will be completed using a D8 Dozer equipped with a U blade ppes.
	<u>Dozing</u> Push Distance (ft) roduction Rate (Lcy/hr) Factor Production Rate (cy/hr)	100 950 0.66 627	Production FactorsUnit Wt2,100Slot1.20Slope1.00Material1.00Operator0.75Eff.0.67Wt1.10

	Production:	6.	27 cy/hr			
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipment \$/hr	t Equip Maint \$/hr	Total \$/hr
	3 1	Dozer D8	\$71.31 \$71.31	\$97.66 \$97.66	\$94.03 \$94.03	\$263.0 \$263.0
3	6 1	Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
5	0 1	Foreman	\$74.36 \$74.36	\$0.00 \$0.00	\$0.00 \$0.00	\$74.36 \$74.36
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	1		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	1		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	<u> </u>		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	1		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	1		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	1		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	1		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly Costs		\$145.67	\$108.01	\$103.61	\$357.2
	TOTAL COST PER UN	NIT	\$0.23	\$0.17	\$0.17	\$0.57

	laska, Inc. ton Project				
Closure Prepared By: DPC Date: March 22	Reclamation Estimate				
Operational Analysis	Task No. 22.	24			
Deparimtion:		22			
Description: Load, Ha	aul and Spread Topsoil				
Load haul and spread topso	bil from Parcel 31 on regraded p	ond areas. A nomina	l topsoil depth of	12 inches is used.	
Production Rates:	Haul Units			Loadin	g
Production Factors Unit Wt 1,600 Slot 1.00 Slope 1.00 Material 1.20 Operator 0.75 Eff. 0.50 Wt 1.44	Haul Distance (m Load Time (m Full Travel Time (m Empty Travel Time (m Unit Capacity (c Efficien Unit Rate (cy/l Loads (trk/l <u>Spread</u> Push Distance (in) 0.35 in) 4.7 in) 1.3 in) 6.35 xy) 17 cy 0.8 nr) 128.5 nr) 7		Bucket Cap Full Travel T Empty Travel T Cycle T Cycles Load Time/I	ime (min) 0.08 ime (min) 0.06 ime (min) 0.14 /Haul Unit 2 Efficiency 0.8 Jnit (min) 0.4 Loaded/hr 171
VVL 1. 11	Production Rate (Lcy/l Fac Effective Production Rate (cy/l	hr) <u>950</u> tor 0.65		H Total Haul Capac	laul Units 2.0 ity (cy/hr) 257
Limiting Factor:	Data from Caterpillar	Performance Handboo	ok for Loader 980H	, Articulated Truck 7	30, and D6 dozer.
Equip. Equip.	Production: 2	57]cy/hr Labor		Equip Maint	Total
No. Count	Description 1 Dozer D6R	\$/hr \$71.31	\$/hr \$68.94	\$/hr \$49.64	\$/hr \$189.89
L 1	Dozel Dok	\$71.31	\$68.94 \$68.94	\$49.64 \$49.64	\$189.89
24	2 Volvo A25D	\$141.12 \$70.56	\$126.39 \$63.19	\$92.28 \$46.14	\$359.79 \$179.90
11	1 Loader L220E	\$71.31 \$71.31	\$68.94 \$68.94	\$72.54 \$72.54	\$212.79 \$212.79
50	1 Foreman	\$74.36 \$74.36	\$0.00 \$0.00	\$0.00 \$0.00	\$74.36 \$74.36
36	1 Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00

\$0.00 \$0.00

\$0.00 \$0.00

\$274.61

\$1.07

\$0.00 \$0.00

\$0.00 \$0.00

\$224.05

\$0.87

\$0.00 \$0.00

\$0.00 \$0.00

\$857

\$3.33

\$0.00 \$0.00

\$0.00 \$0.00

\$358.10

\$1.39

Total Hourly Costs

TOTAL COST PER UNIT

Client: Project: Prepared By: Date:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate DPC March 22, 2013
Operational Analys	s Task No. 22.25 Parcel 22
Description:	Soil Preparation
Regraded areas w	ill be prepared/scarified using a D6 dozer.
Production Rates:	

	Production:	0.97	ac/hr			
Equip. No.	Equip. Count Des		Labor \$/hr	Equipmen \$/hr	t Equip Maint \$/hr	Total \$/hr
	1 1 Do	ozer D6R	\$71.31 \$71.31	\$68.94 \$68.94	\$49.64 \$49.64	\$189.8 \$189.8
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly Costs		\$71.31	\$68.94	\$49.64	\$189.8
	TOTAL COST PER UN	IT	\$73.54	\$71.09	\$51.19	\$195.82

Prepared By: Date: Operational Analysis	March 22, 2013
Description:	Parcel 22 Road Grading

Production Rate		Grader 16G Specification		
	Distance (mi):	1.43	Blade width (ft):	12
First pass (second gear):	Time (min): Rate (mph):	27.7 3.1	LCM 8 Landing	Craft:
			Trip travel time (hr):	0
Second pass (third gear):	Time (min):	20.4		
	Rate (mph):	4.2		
Third pass (third gear):	Time (min):	20.4		
, , , , , , , , , , , , , , , , , , , ,	Rate (mph):	4.2		
	Total time (hr):	1.1		
	Efficiency:	0.83		
	Effective time (hr):	1.4		

Assumptions:

Assume 3 passes over 10 ft road width. Road grading is assumed to take 4 hours. The cost to complete the road grading task assumes a full 8 hour day to allow for mobilization to the site and loading and unloading the landing craft. The daily rate for the landing craft is \$4500. This task would be completed in conjunction with road grading for 2.21, 13A.23, 23.21, and 25.23. Each of these tasks includes a budget for the landing craft.

Equip. No.	Equip. Count	Description	Labor \$/hr	Equipment \$/hr	Equip Maint \$/hr	Total \$/hr
	9	1 Grader 16G	\$0.00 \$0.00	\$68.94 \$68.94	\$64.65 \$64.65	\$133.59 \$133.59
	36	1 Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
	61	2 Labor 1	\$121.07 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$121.07 \$60.53
	38	1 Chainsaw 25" bar	\$0.00 \$0.00	\$2.02 \$2.02	\$2.59 \$2.59	\$4.62 \$4.62
	51	1 Oper. 1	\$71.31 \$71.31	\$0.00 \$0.00	\$0.00 \$0.00	\$71.31 \$71.31
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly Costs	3	\$192.38	\$81.30	\$76.83	\$350.51
						hours 4 Subtotal 1,402

1,402 4,500 5,902 Landing Craft 1 day at \$4500/day Total

Client: Project: Prepared By: Date:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimat DPC March 22, 2013	e				
Operational Analysi	s Task No. Parcel	22.31 22				
Description:	Seed, Mulch, and Fertilize					
Hydro seeding wit Production Rates:	h mulch and fertilizer.					
Production based o	n 2005 RSMeans Heavy Constru	uction Cost Data, 19t	h Annual Edition.			
	30 MSF 23 ac/hr	Material Location Factor Adj. Material Seed Total with seed	Cost \$28.61 1.000 \$28.61 \$11.94 \$40.55 MSF \$1,770 ac	Upland Wetland	Seed/MSF \$8.75 \$15.01	% of parcel 49 51

L

	Production: 0.2	ac/hr			
Equip. Equip. No. Count	Description	Labor \$/hr	Equipmen \$/hr	t Equip Maint \$/hr	Total \$/hr
30	1 Farm tractor Kubota 4	\$ \$70.56 \$70.56	\$8.62 \$8.62	\$14.20 \$14.20	\$93.3 \$93.3
36	1 Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.9 \$19.9
51	1 Oper. 1	\$71.31 \$71.31	\$0.00 \$0.00	\$0.00 \$0.00	\$71.3 \$71.3
61	1 Labor 1	\$60.53 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$60.5 \$60.5
31	1 Hydroseeder/Mulcher	\$70.56 \$70.56	\$68.94 \$68.94	\$5.87 \$5.87	\$145.3 \$145.3
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
Total Hourl	ly Costs	\$272.96	\$87.90	\$29.65	\$390.5
TOTAL CC	OST PER UNIT	\$1,364.81	\$439.49	\$148.27	\$1,952. \$1,770

Client:	Coeur Alaska, Inc.				
Project:	Kensington Project				
-	Closure Reclamation Estimate				
Prepared By:	DPC				
Date:	March 22, 2013				
Operational Analysis	Task No. 22.32 Parcel 22				
Description:	Silt Fencing				
Supply and install silt fencing around reclaimed areas.					
Production Rates:					
Production based on 2005 RSMeans Heavy Construction Cost Data, 19th Annual Edition.					

Crew	950 dailv	Material	Cost \$0.62
Output	0.017 hr/lf/man	Location Factor	\$0.62 1.000
		Adj. Material	\$0.62

The limiting production factor assumes a 2 person crew and the RSMeans production rate of 950 If daily.

quip. Equip. lo. Count	Description	Labor \$/hr	Equipmen \$/hr	t Equip Maint \$/hr	Total \$/hr
61	2 Labor 1	\$121.07 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$121.07 \$60.53
36	1 Pickup Truck	4x4 \$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
30	1 Farm tractor I	Kubota 4t \$70.56 \$70.56	\$8.62 \$8.62	\$14.20 \$14.20	\$93.38 \$93.38
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
Total Hourly	Costs	\$191.63	\$18.96	\$23.78	\$234.3
TOTAL COS	FPER UNIT	\$1.61	\$0.16	\$0.20	\$1.97

Client: Project:	Coeur Alaska, Inc. Kensington Project	
Prepared By:	Closure Reclamation Estimate DPC	
Date:	March 22, 2013	
Operational Analysis	Task No.22.41Parcel22	
Description:	Water Bar Construction and Road Scarification	
This task includes on	ate for constructing water bars along the read at Percel 22 and coartifying a 20 feet width of the read with a D9 price	~* * <i>i</i>

This task includes costs for constructing water bars along the road at Parcel 22 and scarifying a 20 foot width of the road with a D8 prior to reseeding. Reseeding costs are included in task 22.31.

Production Rates:

Width of pass (ft):	8
Length of pass (hr)	20
# of passes/hr:	60
Production (ac/hr):	0.22

Task assumes ripping rate of 1 min per 20 ft pass.

Production: 0.22 ac/hr Labor Equip. Equip. Equipment Equip Maint Total No. Description \$/hr \$/hr \$/hr \$/hr Count \$71.31 \$97.66 \$94.03 \$263.00 1 Dozer D8 З \$71.31 \$94.03 \$263.00 \$97.66 \$0.00 **Total Hourly Costs** 71 \$97.66 \$94.03 \$263 COST PER ACRE \$1,193

Client: Project:	Coeur Alaska, Inc. Kensington Project
Prepared By:	Closure Reclamation Estimate DPC
Date:	March 22, 2013
Operational Analysis	Task No. 23.21 Parcel 23
Description:	Road Grading
	ings Facility Access Road from the Jualin Road to the TTF Tailings Pipeline Road will be completed using a Grader 16G. years over 30 year LTMM period.
Production Rates:	

Ē	Production Rate		Grader 16G Sp	ecifications:
	Distance (mi): 0.77			12
First pass (second gear):	Time (min): Rate (mph):	14.9 3.1	LCM 8 Landing	<u>Craft:</u>
Connert many (third man)	Time (min):	44.0	Trip travel time (hr):	0
Second pass (third gear):	Time (min): Rate (mph):	11.0 4.2		
Third pass (third gear):	Time (min):	11.0		
	Rate (mph):	4.2		
	Total time (hr):	0.6		
	Efficiency:	0.83		
	Effective time (hr):	0.7		

Assumptions:

Assume 3 passes over 10 ft road width. Road grading is assumed to take 2 hours. The cost to complete the road grading task assumes 0.5 days to allow for mobilization ot the site and loading and unloading the landing craft. The daily rate for the landing craft is \$4500. This task would be completed in conjunction with road grading for 2.21, 13A.23, 22.26, and 25.23. Each of these tasks includes a budget for the landing craft.

Equip. Equip. No. Count	Description	Labor \$/hr	Equipment \$/hr	Equip Maint \$/hr	Total \$/hr
9	1 Grader 16G	\$0.00 \$0.00	\$68.94 \$68.94	\$64.65 \$64.65	\$133.59 \$133.59
36	1 Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
61	2 Labor 1	\$121.07 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$121.07 \$60.53
38	1 Chainsaw 25" bar	\$0.00 \$0.00	\$2.02 \$2.02	\$2.59 \$2.59	\$4.62 \$4.62
51	1 Oper. 1	\$71.31 \$71.31	\$0.00 \$0.00	\$0.00 \$0.00	\$71.31 \$71.31
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
[]		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
Total Hourly C	Costs	\$192.38	\$81.30	\$76.83	\$350.51

Landing Craft 0.5 days at \$4500 Total 2,250 2,951

Client: Project:	Coeur Alaska, Inc. Kensington Project Closure Reclamation	Estimate
Prepared By: Date:	DPC March 22, 2013	
Operational Analysis	Task No. Parcel	23.41 23

Install Locked Gate

Description:

This task will include placement of a structural steel gate at the intersection of the TTF and Jualin Roads to restrict access into the TTF. This task assumes offsite fabrication of the gate, and equipment and labor costs to install the gate.

	Material	Labor	Equipment	Total	Locatio 0.336 Adj Mat	n Factors 0.138 Adj Install	Adj Total	Est. Cost
<u>Item Cost</u> Concrete Steel Gate	\$77.92 \$1,548	Labor	Lqupment	Total	\$26.18	\$0.00	\$26.18	\$104 \$1,548
							CY	2
Unit cost include O&P							Material Cost	\$1,760

Production and unit costs based on 2005 RSMeans Heavy Construction Cost Data, 19th Annual Edition.

Assumptions:

Labor and equipment used for installation are included in the cost. Support labor and equipment are presented below. Total cost estimated for this item is on a lump sum basis. Construction is based on a 10 hrs. The structural steel gate will be fabricated off-site and trasported to the site. Two steel gate posts will be set in concrete in holes. The labor crew will set the post and mix the concrete on site. A fork lift will aid in setting the gate.

	Production	n: 1	lump sum			
Equip. No.	Labor Hours	Description	Labor \$/hr		Equip Maint \$/hr	Total \$/hr
	61 2	0 Labor 1	\$1,210.66 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$1,210.66 \$60.53
	16	4 Forklift Ingersoll VR843C	\$285.23 \$71.31	\$73.54 \$18.38	\$103.85 \$25.96	\$462.62 \$115.66
	5	4 Excavator ZX330LC	\$285.23 \$71.31	\$229.80 \$57.45	\$293.95 \$73.49	\$808.98 \$202.24
	22	4 Flatbed Truck 45000 lbs	\$282.24 \$70.56	\$103.41 \$25.85	\$151.37 \$37.84	\$537.02 \$134.25
	36 1	0 Pickup Truck 4x4	\$0.00 \$0.00	\$103.41 \$10.34	\$95.83 \$9.58	\$199.24 \$19.92
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly Costs		2,063	\$510.15	\$645.00	\$3,219
	Total Support Total Fabrication C	ost	2,063	\$510.15	\$645.00	\$3,219 \$1,760
					Total Lump Sum	Estimate \$4,980

Total Lump Sum Estimate \$4,980

Client: Project:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate
Prepared By: Date:	DPC March 22, 2013
Operational Analysis	Task No. 23.42 Parcel 23

Description:

Water Bar Construction and Road Scarification

This task includes costs for constructing water bars along the road at Parcel 23 and scarifying a 20 foot width of the road with a D8 prior to reseeding.

Production Rates:

Width of pass (ft):	8
Length of pass (ft):	20
# of passes/hr:	60
Production (ac/hr):	0.22

Task assumes ripping rate of 1 min per 20 ft pass.

Production:

0.22 ac/hr

Equip. No.	Equip. Count	Description	Labor \$/hr	Equipment \$/hr	Equip Maint \$/hr	Total \$/hr
	3	1 Dozer D8	\$71.31 \$71.31	\$97.66 \$97.66	\$94.03 \$94.03	\$263.00 \$263.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly	Costs	71	\$97.66	\$94.03	\$263 \$1,193

Client: Project: Prepared By: Date:	Coeur Alaska, Inc. Kensington Project Closure Reclamation E: DPC March 22, 2013	stimate				
Operational A						
Description:	Seed, Mulch, and Fertil	ize				
Hydro seedir Production R	ng with mulch and fertilizer. Rates:					
Production ba	sed on 2005 RSMeans Heavy	Construction Cost Data, 19th	Annual Edition.			
Crew Output	80 MSF 0.23 ac/hr	Material Location Factor Adj. Material Seed Total with seed	Cost \$28.61 1.000 \$28.61 \$10.63 \$39.23 MSF \$1,710 ac	Upland Wetland	Seed/MSF \$8.75 \$15.01	% of parcel 70 30

	Production:	0.2	ac/hr			
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipment \$/hr	t Equip Maint \$/hr	Total \$/hr
30) 1	Farm tractor Kubota 4500	\$70.56 \$70.56	\$8.62 \$8.62	\$14.20 \$14.20	\$93.38 \$93.38
36	5 1	Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
51	1	Oper. 1	\$71.31 \$71.31	\$0.00 \$0.00	\$0.00 \$0.00	\$71.31 \$71.31
6′	1	Labor 1	\$60.53 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$60.53 \$60.53
3′	1	Hydroseeder/Mulcher	\$70.56 \$70.56	\$68.94 \$68.94	\$5.87 \$5.87	\$145.37 \$145.37
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	<u> </u>		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly Costs		\$272.96	\$87.90	\$29.65	\$390.51
	TOTAL COST PER UNIT	г	\$1,364.81	\$439.49	\$148.27	\$1,952.5

Client:	Coeur Alaska, Inc.			
Project:	Kensington Project			
D 1 D	Closure Reclamation Estimate			
Prepared By:	DPC			
Date:	March 22, 2013			
Operational Analysis	Task No. Parcel	24.13 24		
Description:	Remove Reclaim Water Barge			
Remove floating ba	rge from TTF and haul to marine	facility laydown area.		
	<u>y</u>			
Production Rates:				

<u>Haul Units</u>	
Haul Distance (mi.)	6.9
Load Time (min.)	60
Full Travel Time (min.)	20
Empty Travel Time (min.)	20
Total Truck Time (min.)	100

	Pro	duction:	1/hr			
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipment \$/hr	Equip Maint \$/hr	Total \$/hr
	1	2 Dozer D6R	\$142.62 \$71.31	\$137.88 \$68.94	\$99.28 \$49.64	\$379.77 \$189.89
	22	1 Flatbed Truck 4500	00 lb \$70.56 \$70.56	\$25.85 \$25.85	\$37.84 \$37.84	\$134.25 \$134.25
	16	1 Forklift Ingersoll VF	R84: \$71.31 \$71.31	\$18.38 \$18.38	\$25.96 \$25.96	\$115.66 \$115.66
	61	1 Labor 1	\$60.53 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$60.53 \$60.53
	66	Electrician	\$0.00 \$75.13	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$75.13
	36	1 Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly (Costs	\$345.02	\$192.46	\$172.67	\$710.14
	TOTAL COST	PER UNIT	\$345.02	\$192.46	\$172.67	\$710.14

Client: Project:	Coeur Alaska, Inc. Kensington Project					
Prepared By: Date:	Closure Reclamation E DPC March 22, 2013	stimate				
Operational Analysis	s Task No. Parcel	24.14 24				
Description:	Remove Tailings Depo	sition Barge and Pipelir	ne			
	removal of the tailings val of 1,200 ft of piping		e submerged dif	fuser in the TTF, a	as well as the barg	ge and diffuser. This
Production Rates:	<u> </u>	laul Units				
		Haul Distance (mi.) Load Time (min) Full Travel Time (min) npty Travel Time (min) Cycle Time (min)	6.9 60 20 20 100			
Pipeline R <u>Barge Rer</u>			nrs nrs			
Total		16	nrs			
Limiting Factor:						
truck and hauled to	e used to tow the pipe o the marine facility lay emble the barge and d	down area for salvage	A production r	ate of 150 lf/hr is u	used for the pipeli	
	Production:	1	f/hr			
Equip. No.	Equip. Count E		Labor \$/hr	Equipment \$/hr	t Equip Maint \$/hr	Total \$/hr
	1 1	Dozer D6R	\$71.31 \$71.31	\$68.94 \$68.94	\$49.64 \$49.64	\$189.89 \$189.89
2	2 1	Flatbed Truck 45000 lt	\$70.56 \$70.56	\$25.85 \$25.85	\$37.84 \$37.84	\$134.25 \$134.25

]	\$71.31	\$68.94	\$49.64	\$189.89
22	Flatbed Truck 45000 lt	\$70.56 \$70.56	\$25.85 \$25.85	\$37.84 \$37.84	\$134.25 \$134.25
14	Grove RT750E Crane	\$71.31 \$71.31	\$74.68 \$74.68	\$71.32 \$71.32	\$217.31 \$217.31
62 2	2 Labor 1	\$121.07 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$121.07 \$60.53
50	Foreman	\$74.36 \$74.36	\$0.00 \$0.00	\$0.00 \$0.00	\$74.36 \$74.36
36	Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	ב	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	3	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
Total Hourly Costs		\$408.61	\$179.82	\$168.38	\$757
TOTAL COST PER	UNIT	\$408.61	\$179.82	\$168.38	\$756.80

Client: Project:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate
Prepared By: Date:	DPC March 22, 2013
Operational Analysis	Task No. 24.15 Parcel 24
Description:	Remove turbidity barriers
This item will includ	
	e removal and haulage of the turbidity barriers from the TTF for disposal.
Production Rates:	e removal and haulage of the turbidity barriers from the TTF for disposal. <u>Haul Units</u>

Production will be limited by the number of trucks hauling the barrier. Each truck load will haul approximately 150 ft of barrier. A total of two dump trucks will be used. Laborers will cut the barrier into manageable sections that can be loaded into the trucks using an excavator equipped with a thumb. The material will be hauled to the marine facility for disposal.

Pro	duction:	150 lf/hr			
Equip. Equip. No. Count	Description	Labor \$/hr		Equip Maint \$/hr	Total \$/hr
1	2 Dozer D6R	\$142.62 \$71.31	\$137.88 \$68.94	\$99.28 \$49.64	\$379.7 \$189.8
24	2 Volvo A25D	\$141.12 \$70.56	\$126.39 \$63.19	\$92.28 \$46.14	\$359.7 \$179.9
5	1 Excavator ZX330L	C \$71.31 \$71.31	\$57.45 \$57.45	\$73.49 \$73.49	\$202.2 \$202.2
36	1 Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
62	2 Labor 1	\$121.07 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$121.0 \$60.53
7	1 Thumb Attachmen	t \$0.00 \$0.00	\$0.00 \$0.00	\$2.59 \$2.59	\$2.59 \$2.59
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
Total Hourly	Costs	\$476.11	\$332.06	\$277.22	\$1,08
TOTAL COS	T PER UNIT	\$3.17	\$2.21	\$1.85	\$7.24

Client: Project:	Coeur Alaska, Inc. Kensington Project			
110,000	Closure Reclamation Estimate			
Prepared By: Date:	DPC March 32, 2012			
Date:	March 22, 2013			
Operational Analysis	Task No. 24.21 Parcel 24			
Description:	Load, haul, screen and stockpile cover soil			
	-			
This motorial for an	TTE will be leaded into trucks and bauk	- from the coil (the line area in David 25 for	
	pping TTF will be loaded into trucks and haule ication over the tailings	d from the souls	stockpile area in Parcei 25 for	
Production Rates:	Haul Units		Loading	
	Haul Distance (mi.)	0.2	Haul Distance (ft.)	20
	Load Time (min)	2.00	Bucket Capacity (cy)	7
	Full Travel Time (min)	0.6	Full Travel Time (min)	0.08
	Empty Travel Time (min)	0.6	Empty Travel Time (min)	0.06
	Cycle Time (min)	3.20 17	Cycle Time (min) Cycles/Haul Unit	0.14 2
	Unit Capacity (cy)			
	Efficiency	0.83	Efficiency	0.83
	Unit Rate (cy/hr)	264.6	Load Time/Unit (min) Units Loaded/hr	0.3 178
				178 3,026
	Doze		Max Production (cy/hr)	3,020
	Doze Push Distance (ft)	100		
	Push Distance (it) Production Rate (Lcy/hr)	850		
	Efficiency	0.5		
	Effective Production Rate (cy/hr)	425		
		420		
Limiting Factor:				
-				

	Productio	n: 200) cy/hr			
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipment \$/hr	t Equip Maint \$/hr	Total \$/hr
	3	1 Dozer D8	\$71.31 \$71.31	\$97.66 \$97.66	\$94.03 \$94.03	\$263.0 \$263.0
	36	1 Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.9 \$19.9
	11	2 Loader L220E	\$142.62 \$71.31	\$137.88 \$68.94	\$145.08 \$72.54	\$425.5 \$212.7
	23	4 Dump Truck 12cy	\$282.24 \$70.56	\$195.33 \$48.83	\$156.29 \$39.07	\$633.8 \$158.4
	35	1 Single Deck Screen 5'x10	\$71.31 \$71.31	\$37.34 \$37.34	\$19.11 \$19.11	\$127.7 \$127.7
	50	1 Foreman	\$74.36 \$74.36	\$0.00 \$0.00	\$0.00 \$0.00	\$74.3 \$74.3
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
	Total Hourly Co	osts	\$641.84	\$478.55	\$424.10	\$1,54
	TOTAL COST	PER UNIT	\$3.21	\$2.39	\$2.12	\$7.72

Client: Project:	Coeur Alaska, Inc. Kensington Project					
Prepared By: Date:	Closure Reclamatio DPC March 22, 2013	n Estimate				
Operational Analysi	s Task No. Parcel	24.22 24				
Description:	PugMill Cover Soil					
		ad on pugmill conveyor. This t ill operation and placement of			the conveyor and p	bugmill, and a
Production Rates:	supervise the pugni	in operation and placement of	Cover (See item 24.23))		
		Pugmill Production Rate Settled Slurry Wt.	100 Tons/hr 70 pcf 106 cy/hr			
Production will be	limited by the opera	ation rate of the PugMill (100 to	n/hr, 106 cy/hr).			
	Production:	106	cy/hr			
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipment \$/hr	Equip Maint \$/hr	Total \$/hr
11	1	Loader L220E	\$71.31 \$71.31	\$68.94 \$68.94	\$72.54 \$72.54	\$212.79 \$212.79
34	1	Portable Belt Conveyor 18"x60'	\$71.31 \$71.31	\$20.11 \$20.11	\$14.11 \$14.11	\$105.52 \$105.52
33	1	PugMill Plant 30'x50'	\$71.31 \$71.31	\$34.47 \$34.47	\$20.62 \$20.62	\$126.40 \$126.40
27	1	Generator 60Hz 75 kW	\$60.53 \$60.53	\$14.36 \$14.36	\$29.09 \$29.09	\$103.99 \$103.99
26	1	Submersible Trash Pump 6in.	\$0.00 \$0.00	\$9.77 \$9.77	\$3.54 \$3.54	\$13.31 \$13.31
50	1	Foreman	\$74.36 \$74.36	\$0.00 \$0.00	\$0.00 \$0.00	\$74.36 \$74.36
36	1	Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		l	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly Costs		\$348.82	\$157.99	\$149.48	\$656

24.22

\$3.30

\$1.49

\$1.41

\$6.20

TOTAL COST PER UNIT

Client: Project: Prepared By: Date:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate DPC March 22, 2013
Operational Analysis	Task No. 24.23 Parcel 24
Description:	Place Tailings Cover Materials
used to operate a s of the barge and pla	labor and equipment for supporting placement of the cover soil using a submerged difusser. Three laborers will be system of winches and cables to propel the movement of the barge. A GPS reciever will be used to map the movement acement of the cover soil. The labor crew will also be used to manage the delivery pipeline as the barge moves over soil will be placed to a nominal 6-inch depth across the tailings surface.

Production rate for cover soil placement is the same as for the Pugmill production rate 106 cy/hr (Task No. 24.22)

Assumptions:

	F	Production:	106 cy/hr			
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipmen \$/hr	t Equip Maint \$/hr	To \$/h
	61	3 Labor 1	\$181.60 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$1 \$6
	67	1 Surveyor	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$ \$
	37	1 18 ft Runabout Boa	at \$0.00 \$0.00	\$33.61 \$33.61	\$17.86 \$17.86	\$5 \$5
	36	1 Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$1 \$1
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$ \$
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$ \$
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$ \$
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$ \$
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$ \$
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$ \$
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$ \$
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$ \$
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$ \$
	Total Hourly (Costs	\$181.60	\$43.95	\$27.44	\$
	TOTAL COST	PER UNIT	\$1.71	\$0.41	\$0.26	\$:

Client: Project:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate			
Prepared By:	DPC			
Date:	March 22, 2013			
Operational Analysis	Task No. 24.24 Parcel 24			
Description:	Place Littoral Gravel 10" depth			
			ivel obtained from deposits along Johnson Creel umped on the shoreline and spread using the	C
Production Rates:	Haul Units		Loading	
	Haul Distance (mi.)	3.23		
	Load Time (min)	5.56	Bucket Capacity (cy)	1.43

Full Travel Time (min)	13.9	Cycle Time (min)	0.23
Empty Travel Time (min)	8.9	Cycles/Haul Unit	16.2
Cycle Time (min)	28.36	Efficiency	0.67
Unit Capacity (cy)	17	Load Time/Unit (min)	5.6
Efficiency	0.8	Units Loaded/hr	11
Unit Rate (cy/hr)	28.8	Max Production (cy/hr)	187
<u>Spread</u>			
Push Distance (ft)	100		
Production Rate (Lcy/hr)	850		
Efficiency	0.5	Haul Units	3.0
Effective Production Rate (cy/hr)	425	Total Loadout Capacity (cy/hr)	86

Limiting Factor: Data from Caterpillar Performance Handbook for Excavator 330D, Articulated Truck 730, and D8 Dozer.

Production will be limited by the haul truck capacity. Haul unit travel time estimated assuming a 4% grade over a one way distance of 3.2 miles.

Equip. Equip. No. Count	Description	Labor \$/hr		Equip Maint \$/hr	Total \$/hr
3	1 Dozer D8	\$71.31 \$71.31	\$97.66 \$97.66	\$94.03 \$94.03	\$263.0 \$263.0
24	3 Volvo A25D	\$211.68 \$70.56	\$189.58 \$63.19	\$138.43 \$46.14	\$539.6 \$179.9
5	1 Excavator ZX330LC	\$71.31 \$71.31	\$57.45 \$57.45	\$73.49 \$73.49	\$202.2 \$202.2
50	1 Foreman	\$74.36 \$74.36	\$0.00 \$0.00	\$0.00 \$0.00	\$74.3 \$74.3
36	1 Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.9 \$19.9
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
Total Hourly	Costs	\$428.66	\$355.04	\$315.52	\$1,099.
TOTAL COS		\$4.97	\$4.11	\$3.66	\$12.7

Client: Project:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate
Prepared By: Date:	DPC March 22, 2013
Operational Analysis	Task No. 24.31 Parcel 24
Description:	Aquatic Plantings
Diantin a stanuatio a	
Planting of aquatic s	pecies in the flooded TTF
Production Rates:	
The lump sum for this	item assumes hourly rate for 2 man crew with a truck and duration of 100 hours.
	/hr hrs Total Crew and truck 140.99 100 \$14,099 Plants 1 3000 \$3,000

\$17,099

	Pro	oduction:	1			
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipment I \$/hr	Equip Maint \$/hr	Total \$/hr
	61	2 Labor 1	\$121.07 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$121 \$60.8
	36	1 Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.9 \$19.9
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
	Total Hourly	Costs	\$121.07	\$10.34	\$9.58	\$140
	TOTAL COS	ST PER UNIT	\$121.07	\$10.34	\$9.58	\$140

Client: Project:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate
Prepared By:	DPC
Date:	March 22, 2013
Operational Analys	r Task No. 24.41 Parcel 24
Description:	Grading
This task assume	s a lump sum cost to set up the barge/diffuser and includes materials costs for the barge, piping, and winch system.
Production Rates	
Lump Sum Cost	\$50,000

Production will be limited by the spread rate for the D8 Dozer.

	Production:	1 cy/hr			
Equip. No.	Equip. Count Description	Labor \$/hr		Equip Maint \$/hr	Total \$/hr
		\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00
	<u> </u>	\$0.00	\$0.00	\$0.00	\$0.00
	T () () () ()	2 0.00	00.67	0 0.00	00
	Total Hourly Costs	\$0.00	\$0.00	\$0.00	\$0.00
	TOTAL COST PER UNIT	\$0.00	\$0.00	\$0.00	\$0.00

Additional Costs from above TOTAL LUMP SUM COST \$0.00 \$50,000.00 \$50,000.00

Client: Project:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate					
Prepared By:						
Date:	March 22, 2013					
Operational Analysis	Task No. 24.42 Parcel 24					
Description: Place ri	prap on dam face					
Costs to crush, load (Appendix C).	, haul, and spread dam erosion protection over the dam face are based on the attached Knight Peisold cost estimate					

Production Rates:

	Produc	ction:	7,000 LS			
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipment \$/hr	Equip Maint \$/hr	Total \$/hr
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0. \$0.
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0. \$0.
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0. \$0.
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0. \$0.
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0. \$0.
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0. \$0.
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0. \$0.
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0. \$0.
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0. \$0.
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0. \$0.
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0. \$0.
	Total Hourly Co	osts	\$0.00	\$0.00	\$0.00	\$0.

Project:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate
Prepared By:	DPC
Date:	March 22, 2013
Operational Analysis	Task No. 25.11
	Parcel 25
Description:	Remove Mid Slate Creek Intake Structure
-	
Remove Mid Slate C	creek Diversion Intake Structure, demo structure and remove debris from creek bed.

Production Rates:

Limiting Factor:

Demolition of the inlet structure will be completed using a hammer mounted on a track excavator. The reinforced concrete will be crushed and loaded into a dump truck. The debris will be removed from the creek bed for disposal and hauled to soil stockpile area (600 ft away) and buried. The truck will be loaded using the excavator with a thumb attachment. Unit cost for this item assumes an hourly rate and a total of 8 hours to complete.

	Product	tion: 1	/hr			
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipment \$/hr	t Equip Maint \$/hr	Total \$/hr
	61	2 Labor 1	\$121.07 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$121.07 \$60.53
	5	1 Excavator ZX330LC	\$71.31 \$71.31	\$57.45 \$57.45	\$73.49 \$73.49	\$202.24 \$202.24
	8	1 Hammer Attachment	\$0.00 \$0.00	\$43.09 \$43.09	\$14.06 \$14.06	\$57.15 \$57.15
	24	1 Volvo A25D	\$70.56 \$70.56	\$63.19 \$63.19	\$46.14 \$46.14	\$179.90 \$179.90
	7	1 Thumb Attachment	\$0.00 \$0.00	\$0.00 \$0.00	\$2.59 \$2.59	\$2.59 \$2.59
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly Cos	its	\$262.93	\$163.73	\$136.28	\$562.94
	TOTAL COST PI	ER UNIT	\$262.93	\$163.73	\$136.28	\$562.94

Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate DPC March 22, 2013	
is Task No. Parcel	<u>25.12</u> 25
Decomission and Plug Mid Slate (Creek Diversion Pipeline
h diameter HDPE pipeline (Mid Sl	ate Creek Diversion) from intake structure, excavate ends, plug with concrete, and bury.
\$200.00	
	Kensington Project Closure Reclamation Estimate DPC March 22, 2013 is Task No. Parcel Decomission and Plug Mid Slate C h diameter HDPE pipeline (Mid Sla

The piping will be cut into sections using a chain saw and the sections will be loaded on a flatbed truck and hauled to the marine facility Laydown area for salvage. Three laborers will be used to cut the pipe and to set chockers for loading. A single flatbed truck will be used to haul the pipe. A production rate of 240 lf/hour includes cutting, loading and haulage. Pipe will be stockpiled for loading when the truck is hauling to the laydown area.

Pro	oduction:	1LS			
Equip. No. Hours	Description	Labor \$/hr	Equipment \$/hr	Equip Maint \$/hr	Total \$/hr
50	16 Foreman	\$1,189.80 \$74.36	\$0.00 \$0.00	\$0.00 \$0.00	\$1,189.80 \$74.36
61	16 Labor 1	\$968.53 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$968.53 \$60.53
61	16 Labor 1	\$968.53 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$968.53 \$60.53
5	16 Excavator ZX330LC	\$1,140.94 \$71.31	\$919.19 \$57.45	\$1,175.78 \$73.49	\$3,235.91 \$202.24
23	16 Dump Truck 12cy	\$1,128.95 \$70.56	\$781.31 \$48.83	\$625.18 \$39.07	\$2,535.44 \$158.47
36	16 Pickup Truck 4x4	\$0.00 \$0.00	\$165.45 \$10.34	\$153.33 \$9.58	\$318.79 \$19.92
1	16 Dozer D6R	\$1,140.94 \$71.31	\$1,103.03 \$68.94	\$794.22 \$49.64	\$3,038.19 \$189.89
7	1 Thumb Attachment	\$0.00 \$0.00	\$0.00 \$0.00	\$2.59 \$2.59	\$2.59 \$2.59
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
Total Hourl	y Costs	\$6,537.69	\$2,968.99	\$2,751.10	\$12,257.79
TOTAL CO TOTAL CO	OST PER UNIT	\$6,537.69	\$2,968.99	\$2,751.10	\$12,257.79 \$12,457.79

Client: Project:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate	2		
Prepared By: Date:	DPC March 22, 2013			
Operational Analy	rsi: Task No. Parcel	25.21 25		
Description:	Grading			
	ne assumes a nominal depth o		e completed using a D8 Dozer equ	ipped with a U blade and
	S:			

	Production:	6.	27 cy/hr			
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipmen \$/hr	t Equip Maint \$/hr	Total \$/hr
	3 1	Dozer D8	\$71.31 \$71.31	\$97.66 \$97.66	\$94.03 \$94.03	\$263.0 \$263.0
36	δ 1	Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
50) 1	Foreman	\$74.36 \$74.36	\$0.00 \$0.00	\$0.00 \$0.00	\$74.36 \$74.36
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly Costs		\$145.67	\$108.01	\$103.61	\$357.2
	TOTAL COST PER	INIT	\$0.23	\$0.17	\$0.17	\$0.57

Client: Project:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate
Prepared By: Date:	DPC March 22, 2013
Operational Analysi	Task No. 25.22 Parcel 25
Description:	Soil Preparation
Regraded areas w	Il be prepared/scarified using a D6 dozer.
Production Rates:	
<u>Tillage Ra</u>	te
Velocity	1 mph
Tool Widt	
Productio Efficiency	1.2 ac/hr 0.8
Effective Production	

	Production:		1.0 ac/hr			
Equip. No.	Equip. Count D	escription	Labor \$/hr	Equipmen \$/hr	l Equip Maint \$/hr	Total \$/hr
	1 1	Dozer D6R	\$71.31 \$71.31	\$68.94 \$68.94	\$49.64 \$49.64	\$189.89 \$189.89
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	<u> </u>		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	<u> </u>		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	<u> </u>		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly Costs		\$71.31	\$68.94	\$49.64	\$189.8
	TOTAL COST PER UNIT		\$73.54	\$71.09	\$51.19	\$195.8

Client: Project: Prepared By: Date:	Coeur Alaska, Inc. Kensington Project Closure Reclamation DPC March 22, 2013	Estimate
Operational Analysis	Task No. Parcel	25.23 25
Description:	Road Grading	

Description:

Work will be completed using a Grader 16G. Grading occurs every 3 years over 30 year LTMM period.

Production Rates:

<u>1</u>	Production Rate		Grader 16G Sp	ecifications	<u></u>
	Distance (mi):	0.87	Blade width (ft):	12	
First pass (second gear):	Time (min): Rate (mph):	16.8 3.1	LCM 8 Landing	Craft:	
Second pass (third gear):	Time (min):	12.4	Trip travel time (hr):	4	for demob
Geoona paos (inina goar).	Rate (mph):	4.2			
Third pass (third gear):	Time (min):	12.4 4.2			
	Rate (mph):				
	Total time (hr): Efficiency:	0.7 0.83			
	Effective time (hr):	0.8			

Assumptions:

Assume 3 passes over 10 ft road width. Road grading is assumed to take 2 hours. The cost to complete the road grading task assumes 0.5 days to allow for mobilization to the site and loading and unloading the landing craft. The daily rate for the landing craft is \$4500. This task would be completed in conjunction with road grading for 2.21, 13A.23, 22.26, and 23.21. Each of these tasks includes a budget for the landing craft.

Equip. Equip. No. Count	Description	Labor \$/hr	Equipment \$/hr	Equip Maint \$/hr	Total \$/hr
9	1 Grader 16G	\$0.00 \$0.00	\$68.94 \$68.94	\$64.65 \$64.65	\$133.59 \$133.59
36	1 Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
61	2 Labor 1	\$121.07 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$121.07 \$60.53
38	1 Chainsaw 25" bar	\$0.00 \$0.00	\$2.02 \$2.02	\$2.59 \$2.59	\$4.62 \$4.62
51	1 Oper. 1	\$71.31 \$71.31	\$0.00 \$0.00	\$0.00 \$0.00	\$71.31 \$71.31
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
Total Hou	rly Costs	\$192.38	\$81.30	\$76.83	\$350.51 hours 6

Landing Craft 0.5 days at \$4500 Total

2,103 2,250 4,353

Client: Project: Prepared By: Date:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate DPC March 22, 2013			
Operational Analys	Task No. 25.31 Parcel 25			
Description:	Seed Mulch and Fertilize			
Hydro seeding with mulch and fertilizer (600 lbs, fertilizer per acre).				
Production Rates:				

Production based on 2005 RSMeans Heavy Construction Cost Data, 19th Annual Edition. Cost \$28.61 1.000 \$28.61 \$10.31 \$38.92 MSF \$1,700 ac % of parcel 75 25 Crew Output Seed/MSF \$8.75 \$15.01 Material Location Factor Adj. Material Seed 80 MSF 0.23 ac/hr Upland Wetland

Total with seed

Limiting Factor:

Proc	luction: 0.2	ac/hr			
Equip. Equip. No. Count	Description	Labor \$/hr	Equipment \$/hr	Equip Maint \$/hr	Total \$/hr
30	1 Farm tractor Kubota 48	\$70.56 \$70.56	\$8.62 \$8.62	\$14.20 \$14.20	\$93. \$93.
36	1 Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19. \$19.
51	1 Oper. 1	\$71.31 \$71.31	\$0.00 \$0.00	\$0.00 \$0.00	\$71. \$71.
61	1 Labor 1	\$60.53 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$60. \$60.
31	1 Hydroseeder/Mulcher	\$70.56 \$70.56	\$68.94 \$68.94	\$5.87 \$5.87	\$145. \$145.
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
Total Hourly	/ Costs	\$272.96	\$87.90	\$29.65	\$390

Total \$3,700.00

Client: Project:	Coeur Alaska, Inc. Kensington Project	
Prepared By: Date:	Closure Reclamation Estimate DPC March 22, 2013	
Operational Analysis		
Description:	Silt Fencing	
Supply and install	silt fencing around reclaimed areas.	
Supply and install	silt fencing around reclaimed areas.	
Production Rates:	silt fencing around reclaimed areas. 2005 RSMeans Heavy Construction Cost Data, 19)th Annual Edition.

	Production:	119	lf/hr			
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipment \$/hr	Equip Maint \$/hr	Total \$/hr
6	51 2	Labor 1	\$121.07 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$121.0 \$60.5
3	36 1	Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.9 \$19.9
3	30 1	Farm tractor Kubota 4500	\$70.56 \$70.56	\$8.62 \$8.62	\$14.20 \$14.20	\$93.3 \$93.3
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly Costs		\$191.63	\$18.96	\$23.78	\$234.3
	TOTAL COST PER UN	ΙΙΤ	\$1.61	\$0.16	\$0.20	\$1.97
					Materials Total	\$0. \$2.5

Client: Project: Prepared By: Date:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estin DPC March 22, 2013	nate			
Date.	March 22, 2013				
Operational Analy	vsis Task No. Parcel		25.33 25		
Description:	Misc. Planting				
	ly species in the TTF margi	n area.			
Production Rates	s:				
The lum	np sum for this item assumes I /hr	hourly rate for 2 m hrs.	an crew with a truck and a c Total	Juration of 100 hours	
Crew and Tru		100	\$14,099		
Plants	\$1.80	4000	\$7,200 \$21,299		

Assume each man plant 500 units per 10 hr day, (1,000 per day per crew). Production: 1 Equip. No. Equipment Equip Maint \$/hr \$/hr Total Equip. Labor Count Description \$/hr \$/hr \$121.07 \$60.53 \$0.00 \$0.00 \$0.00 \$0.00 \$121.07 \$60.53 2 Labor 1 61 1 Pickup Truck 4x4 \$0.00 \$10.34 \$9.58 \$19.92 36 \$0.00 \$10.34 \$9.58 \$19.92 \$0.00 **Total Hourly Costs** \$121.07 \$10.34 \$9.58 \$140.99 TOTAL COST PER UNIT \$121.07 \$10.34 \$9.58 \$140.99

Client:	Coeur Alaska, Inc.
Project:	Kensington Project
	Closure Reclamation Estimate
Prepared By:	DPC
Date:	March 22, 2013

Operational Analysis

l Analysis	Task No.	25.42
	Parcel	25
	i dicci	

Description: Salvage TTF WTP Equipment

This task includes dismantling and salvage of the WTP equipment. This task will include removal of electical and plumbing from the skid mounted WTP units, and relocating the equipment to the marine facility for shipping.

Production Rates:

Salvage is based on an hourly rate and a 40 hour duration per building

Limiting Factor:

Dismantling of the WTP will be completed by an electrician, plumber and two laborers. A crane and forklift are used to support the salvage operation. A lowboy truck will be used to transport the equipment.

	Production: 1	/hr			
Equip. Equip. No. Count		Labor \$/hr	Equipment \$/hr	Equip Maint \$/hr	Total \$/hr
14	1 Grove RT750E Crane 50 ton	\$71.31 \$71.31	\$74.68 \$74.68	\$71.32 \$71.32	\$217.31 \$217.31
16	1 Forklift Ingersoll VR843C	\$71.31 \$71.31	\$18.38 \$18.38	\$25.96 \$25.96	\$115.66 \$115.66
21	1 Tractor Low Boy Truck	\$70.56 \$70.56	\$48.83 \$48.83	\$51.29 \$51.29	\$170.68 \$170.68
65	1 Plumber	\$72.65 \$72.65	\$0.00 \$0.00	\$0.00 \$0.00	\$72.65 \$72.65
66	1 Electrician	\$75.13 \$75.13	\$0.00 \$0.00	\$0.00 \$0.00	\$75.13 \$75.13
61	4 Labor 1	\$242.13 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$242.13 \$60.53
50	1 Foreman	\$74.36 \$74.36	\$0.00 \$0.00	\$0.00 \$0.00	\$74.36 \$74.36
32	1 Air Compressor	\$0.00 \$0.00	\$11.49 \$11.49	\$20.48 \$20.48	\$31.97 \$31.97
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
Total Hour	ly Costs	\$677.45	\$153.39	\$169.04	\$999.88
TOTAL CC	DST PER UNIT	\$677.45	\$153.39	\$169.04	\$999.88

Client: Project:	Coeur Alaska, Kensington Pro	oject				
Prepared By: Date:	Closure Reclar DPC March 22, 201	nation Estimate 3				
Operational Analysi		sk No. 25.43 Parcel 25	i i			
Description:	Salvage TTF V	VTP Buildings				
		of the WTP structure, one 40x60 f tal sheeting, relocating the salvag			lude removal of si	iding and
Production Rates:						
Production based o	n 2005 RSMeans Heavy Cor	nstruction Cost Data, 19th Annual E	dition.			
Demolition rate is b	ase on the volume of the buil	dings in cubic feet.				
Production Efficiency	Crew Output 21,500 cf/daily 0.5					
Actual Production	10,750 cf/daily					
Duration of work	4					
It is assumed that th required for demolit		area of 2400 sf and a nominal heig	ht of 16 feet. Ass	uming a building volu	ume of 38,400 cf, 40) hours are
Demolition cost for	the building assume an hourl	y rate.				
Limiting Factor:						
	a dump truck for disposal	I using a truck mounted crane. SI Laborers will be used to comple uction: 1				
	Equip. Equip. No. Count	Description	Labor \$/hr		Equip Maint \$/hr	Total \$/hr
	14	1 Grove RT750E Crane 50 to	\$71.31 \$71.31	\$74.68 \$74.68	\$71.32 \$71.32	\$217.31 \$217.31
	16	1 Forklift Ingersoll VR843C	\$71.31 \$71.31	\$18.38 \$18.38	\$25.96 \$25.96	\$115.66 \$115.66
	22	1 Flatbed Truck 45000 lbs	\$70.56 \$70.56	\$25.85 \$25.85	\$37.84 \$37.84	\$134.25 \$134.25
	39	1 Acetylene Cutting Torch	\$0.00 \$0.00	\$2.59 \$2.59	\$0.13 \$0.13	\$2.72 \$2.72
	23	1 Dump Truck 12cy	\$70.56 \$70.56	\$48.83 \$48.83	\$39.07 \$39.07	\$158.47 \$158.47
	61	2 Labor 1	\$121.07 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$121.07 \$60.53
	50	1 Foreman	\$74.36 \$74.36	\$0.00 \$0.00	\$0.00 \$0.00	\$74.36 \$74.36
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00

 \$0.00
 \$0.00
 \$0.00
 \$0.00
 \$0.00
 \$0.00

 Total Hourly Costs
 \$479.17
 \$170.34
 \$174.33
 \$823.83

 TOTAL COST PER UNIT
 \$479.17
 \$170.34
 \$174.33
 \$823.83

Client: Project:	Coeur Alaska, Inc. Kensington Project
Prepared By: Date:	Closure Reclamation Estimate DPC March 22, 2013
Operational Analysis	Task No. 25.44 Parcel 25
Description:	Demo TTF WTP Slab
	e slab and miscellaneous foundations. Concrete debris will be buried on site. Work will be completed using a track with a acetylene torch to cut reinforcement steel.

Demo. of concrete is estimated using an hourly rate. A duration of 8 hours is used for this task.

Limiting Factor:

The two laborers will work with the excavator to cut reinforcement steel. An excavator equipped with a hydraulic hammer will be used for demolition. Concrete debris will be buried on site in conjunction with grading, Task 25.21.

	Production:	1	/hr			
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipment \$/hr	Equip Maint \$/hr	Total \$/hr
6	1 2	Labor 1	\$121.07 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$121.07 \$60.53
;	5 1	Excavator ZX330LC	\$71.31 \$71.31	\$57.45 \$57.45	\$73.49 \$73.49	\$202.24 \$202.24
	8 1	Hammer Attachment	\$0.00 \$0.00	\$43.09 \$43.09	\$14.06 \$14.06	\$57.15 \$57.15
3	6 1	Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
3	9 1	Acetylene Cutting Torch	\$0.00 \$0.00	\$2.59 \$2.59	\$0.13 \$0.13	\$2.72 \$2.72
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly Costs		\$192.38	\$113.46	\$97.26	\$403.10
	TOTAL COST PER UNIT	Г	\$192.38	\$113.46	\$97.26	\$403.10

Client: Project:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estim	e
Prepared By: Date:	DPC March 22, 2013	
Operational Analysis	Task No. Parcel	<u>26.21</u> 26
Description:	Grading	
		dozer to reshape disturbed areas and to redistribute native soils across the site. Work ith a U blade and ripper. The volume assumes a nominal depth of 12 inches across the
Production Rates:		
	Spread	Production Factors

Opicad		TIOUUCIIOTT	001013
Push Distance (ft)	100	Unit Wt	2,100
Production Rate (Lcy/hr)	950	Slot	1.20
Factor	0.66	Slope	1.00
Effective Production Rate (cy/hr)	627	Material	1.00
		Operator	0.75
		Eff.	0.67
		Wt	1.10

P

	Produ	iction: 6	27 cy/hr			
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipmen \$/hr	t Equip Maint \$/hr	Total \$/hr
3	3	1 Dozer D8	\$71.31 \$71.31	\$97.66 \$97.66	\$94.03 \$94.03	\$263.0 \$263.0
36	3	1 Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
50)	1 Foreman	\$74.36 \$74.36	\$0.00 \$0.00	\$0.00 \$0.00	\$74.36 \$74.36
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly C	osts	\$145.67	\$108.01	\$103.61	\$357.2
	TOTAL COST	PER UNIT	\$0.23	\$0.17	\$0.17	\$0.57

Client:	Coeur Alaska, Inc.			
Project:	Kensington Project			
	Closure Reclamation Estimate			
Prepared By:	DPC			
Date:	March 22, 2013			
Operational Ana	alysis Task No. 26.22 Parcel 26			
Description:	Load, Haul, and Spread Topsoil			
Load haul and	spread topsoil from Parcel 36 on regraded area.	A nominal topsoil de	epth of 12 inches is used.	
Production Rat				
	<u>Haul Units</u>		<u>Loading</u>	
	Haul Distance (mi.)	0.6	Haul Distance (ft.)	20
	Load Time (min)	0.35	Bucket Capacity (cy)	7
	Full Travel Time (min)	2.7	Full Travel Time (min)	0.08
	Empty Travel Time (min)	2	Empty Travel Time (min)	0.06
	Cycle Time (min)	5.05	Cycle Time (min)	0.14
Production Fact	ors Unit Capacity (cy)	17	Cycles/Haul Unit	2
Unit Wt 1,6	600 Efficiency	0.8	Efficiency	0.8
Slot 1	.00 Unit Rate (cy/hr)	161.6	Load Time/Unit (min)	0.4
Slope 1	.00		Units Loaded/hr	171
	.20		Max Production (cy/hr)	2,907
	.75 Spread			_,
	0.50 Push Distance (ft)	100		
	.44 Production Rate (Lcy/hr)	950	Haul Units	3.0
•••	Factor	0.65	Total Haul Capacity (cy/hr)	485
	Effective Production Rate (cy/hr)	615		400
Limiting Factor	r: Data from Caterpillar Perfo	ormance Handbook for	r Loader 980H. Articulated Truck 730. and D6	dozer.

Production will be limited by the spreading capcity of the D6 (195 cy/hr).

Production: 485 cy/hr Equip. No. Equip. Count Equipment Equip Maint \$/hr \$/hr Labor Total Description \$/hr \$/hr \$71.31 \$68.94 \$49.64 \$189.89 1 Dozer D6R 1 \$71.31 \$68.94 \$49.64 \$189.89 \$138.43 \$46.14 Volvo A25D \$211.68 \$189.58 \$539.69 3 \$70.56 \$179.90 \$63.19 1 Loader L220E \$71.31 \$68.94 \$72.54 \$212.79 11 \$71.31 \$68.94 \$72.54 \$212.79 \$0.00 \$74.36 \$74.36 \$0.00 50 1 Foreman \$74.36 \$0.00 \$74.36 \$0.00 \$0.00 \$0.00 \$9.58 \$9.58 \$19.92 \$19.92 1 Pickup Truck 4x4 \$10.34 36 \$10.34 \$0.00 Total Hourly Costs \$428.66 \$337.80 \$270.19 \$1,036.65 TOTAL COST PER UNIT \$0.88 \$0.70 \$0.56 \$2.14

Client: Project:	Coeur Alaska, Inc. Kensington Project Coeure Reclamation Estimate
Prepared By: Date:	DPC March 22, 2013
Operational Analysis	Task No. 26.23 Parcel 26
Description:	Soil Preparation
Regraded areas will	be prepared/scarified using a D6 dozer.
Regraded areas will Production Rates:	be prepared/scarified using a D6 dozer.

	Production:	1.0 ac/hr			
Equip. No.	Equip. Count Descripti	Labor ion \$/hr	Equipmen \$/hr	t Equip Maint \$/hr	Total \$/hr
	1 1 Dozer I	06R \$71.31 \$71.31	\$68.94 \$68.94	\$49.64 \$49.64	\$189.89 \$189.89
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly Costs	\$71.31	\$68.94	\$49.64	\$189.8
	TOTAL COST PER UNIT	\$73.54	\$71.09	\$51.19	\$195.82

Client: Project:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate
Prepared By: Date:	DPC March 22, 2013
Operational Analysi	Task No. 26.31 Parcel 26
Description:	Seed Mulch and Fertilize
Hydro seeding wit	h mulch and fertilizer (600 lbs, fertilizer per acre).
Production Rates:	
Production based o	n 2005 RSMeans Heavy Construction Cost Data, 19th Annual Edition.

Cost \$28.61 1.000 \$28.61 \$13.07 \$41.68 MSF \$1,820]ac Crew Output
 Seed/MSF
 % of parcel

 \$8.75
 31

 \$15.01
 69
 Material Location Factor Adj. Material Seed 80 MSF 0.23 ac/hr Upland Wetland

Total with seed

Production:	0.2 ac/hr			
Equip. Equip.	Labor	Equipmen	t Equip Maint	Total
No. Count Description	\$/hr	\$/hr	\$/hr	\$/hr
30 1 Farm tractor Kubota 4	1500 \$70.56	\$8.62	\$14.20	\$93.3
	\$70.56	\$8.62	\$14.20	\$93.3
36 1 Pickup Truck 4x4	\$0.00	\$10.34	\$9.58	\$19.9
	\$0.00	\$10.34	\$9.58	\$19.9
51 1 Oper. 1	\$71.31	\$0.00	\$0.00	\$71.3
	\$71.31	\$0.00	\$0.00	\$71.3
61 1 Labor 1	\$60.53	\$0.00	\$0.00	\$60.5
	\$60.53	\$0.00	\$0.00	\$60.5
31 1 Hydroseeder/Mulcher	\$70.56	\$68.94	\$5.87	\$145.3
	\$70.56	\$68.94	\$5.87	\$145.3
	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00
Total Hourly Costs	\$272.96	\$87.90	\$29.65	\$390.5
TOTAL COST PER UNIT	\$1,364.81	\$439.49	\$148.27	\$1,952 \$1,82

Client: Project:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate		
Prepared By:	DPC		
Date:	March 22, 2013		
Operational Analys	sis Task No. 27.21 Parcel 2		
Description:	Excavate Fill		
the area and com	a 330 excavator equipped with a 2.5 cy bucket. A D8 Dozer will also be us pact the fill. A Volvo A25D would be used to haul the fill after it has been		for the excavator and to level
Production Rates	:		
		Excavation	
	Bucket Ca	apacity (cy)	2
		Time (sec)	16.2
	Est Produc		444
	Adj. Produc	Efficiency tion (cv/hr)	0.5 222

	Production: 222	2 cy/hr			
Equip. Equip. No. Count	Description	Labor \$/hr	Equipment \$/hr	t Equip Maint \$/hr	Total \$/hr
3	1 Dozer D8	\$71.31 \$71.31	\$97.66 \$97.66	\$94.03 \$94.03	\$263.0 \$263.0
24	1 Volvo A25D	\$70.56 \$70.56	\$63.19 \$63.19	\$46.14 \$46.14	\$179.9 \$179.9
5	1 Excavator ZX330LC	\$71.31 \$71.31	\$57.45 \$57.45	\$73.49 \$73.49	\$202.2 \$202.2
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
Total Hou	rly Costs	\$213.18	\$218.31	\$213.66	\$645.1
TOTAL C	OST PER UNIT	\$0.96	\$0.98	\$0.96	\$2.90

Client: Project:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate		
Prepared By:	DPC		
Date:	March 22, 2013		
Operational Analysis	s Task No. 27.31 Parcel 27		
Description:	Seed Mulch and Fertilize		
Hydro seeding witl	h mulch and fertilizer.		
Production Rates:			

Production based on 2005 RSMeans Heavy Construction Cost Data, 19th Annual Edition.

Crew Output	80 MSF 0.23 ac/hr	Material Location Factor Adj. Material Seed Total with seed	Cost \$28.61 1.000 \$28.61 \$10.38 \$38.98 MSF \$1.700lac	Upland Wetland	Seed/MSF \$8.75 \$15.01	% of parcel 74 26
			\$1,700 ac			

Limiting Factor:

Production will be limited by the hydro seeding rate 80,000 sf/day. The hourly production rate assumes an effective 12 hr work day.

Production:	0.2 ac/hr			
Equip. Equip.	Labor	Equipment	Equip Maint	Total
No. Count Description	\$/hr	\$/hr	\$/hr	\$/hr
30 1 Farm tractor Kub	oota 45(\$70.56	\$8.62	\$14.20	\$93.38
	\$70.56	\$8.62	\$14.20	\$93.38
36 1 Pickup Truck 4x4	4 \$0.00	\$10.34	\$9.58	\$19.92
	\$0.00	\$10.34	\$9.58	\$19.92
51 1 Oper. 1	\$71.31	\$0.00	\$0.00	\$71.31
	\$71.31	\$0.00	\$0.00	\$71.31
61 1 Labor 1	\$60.53	\$0.00	\$0.00	\$60.53
	\$60.53	\$0.00	\$0.00	\$60.53
31 1 Hydroseeder/Mu	lcher \$70.56	\$68.94	\$5.87	\$145.37
	\$70.56	\$68.94	\$5.87	\$145.37
	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00
Total Hourly Costs	\$272.96	\$87.90	\$29.65	\$390.51
TOTAL COST PER UNIT	\$1,364.81	\$439.49	\$148.27	\$1,952.56
				\$1,700.00 Total \$3,700.00

Client:	Coeur Alaska, Inc.			
Project:	Kensington Project Closure Reclamation Estimate			
Prepared By:	DPC			
Date:	March 22, 2013			
Operational Analysis	Task No. Parcel	27.32 27		
Description:	scription: Silt Fencing			
Sumply and install a	ilt fencing around reclaimed areas.			
Supply and install s	in rending around reclaimed areas			
Production Rates:				
Production based on	2005 RSMeans Heavy Construction	Cost Data, 19th Annual Edition.		
Crew		Cost		

Cost \$0.62 1.000 **\$0.62** Crew Output 950 daily 0.017 hr/lf/man Material Location Factor Adj. Material

Limiting Factor:

	Produ	ction: 119	lf/hr			
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipment \$/hr	Equip Maint \$/hr	Total \$/hr
6	1	2 Labor 1	\$121.07 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$121.0 \$60.53
3	6	1 Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
3	0	1 Farm tractor Kubota 4500	\$70.56 \$70.56	\$8.62 \$8.62	\$14.20 \$14.20	\$93.3 \$93.3
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly Co	osts	\$191.63	\$18.96	\$23.78	\$234.3
	TOTAL COST	PER UNIT	\$1.61	\$0.16	\$0.20	\$1.97
					Mate Total	

Client: Project: Prepared By: Date:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate DPC March 22, 2013
Operational Analysis	Task No. 27.41 Parcel 27
Description:	Water Bar Construction and Road Scarification

This task includes costs for constructing water bars along the road at Parcel 27 and scarifying a 40 foot width of the road with a D8 prior to reseeding. Reseeding costs are included in task 27.31.

Production Rates:

Width of pass (ft):	8
length of pass (ft):	20
# of passes/hr:	60
Production (ac/hr):	0.22

Task assumes ripping rate of 1 min per 20 ft pass.

Production:

0.22 ac/hr

Equip. No.	Equip. Count	Description	Labor \$/hr		Equip Maint \$/hr	Total \$/hr
	3	1 Dozer D8	\$71.31 \$71.31	\$97.66 \$97.66	\$94.03 \$94.03	\$263.00 \$263.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly	Costs	71	\$97.66	\$94.03	\$263

Client: Project:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate
Prepared By:	DPC
Date:	March 22, 2013
Operational Analysis	Task No. 28.11 Parcel 28

Remove Plunge Pool Structure (Cost Removed From Table A-3) Description:

Remove Mid Slate Creek Diversion Plunge Pool, demo structure and remove debris form creek bed.

Production Rates:

Concrete demolition rate is developed on an hourly bases and assumes a total of 8 hours to complete.

Limiting Factor:

Demolition of the plunge pool will be completed using an hammer mounted on a track excavator. The reinforced concrete will be crushed and loaded into a dump truck. The debris will be removed from the creek bed for disposal and hauled to soil stockpile area (0.7 miles away) and buried. The truck will be loaded using the excavator with a thumb attachment. Unit cost for this item assumes and hourly rate.

	Production	u 1	hr			
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipment \$/hr	Equip Maint \$/hr	Total \$/hr
	61 2	2 Labor 1	\$121.07 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$121.07 \$60.53
	8	1 Hammer Attachment	\$0.00 \$0.00	\$43.09 \$43.09	\$14.06 \$14.06	\$57.15 \$57.15
	5	Excavator ZX330LC	\$71.31 \$71.31	\$57.45 \$57.45	\$73.49 \$73.49	\$202.24 \$202.24
	24	1 Volvo A25D	\$70.56 \$70.56	\$63.19 \$63.19	\$46.14 \$46.14	\$179.90 \$179.90
	7	1 Thumb Attachment	\$0.00 \$0.00	\$0.00 \$0.00	\$2.59 \$2.59	\$2.59 \$2.59
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly Costs		\$262.93	\$163.73	\$136.28	\$562.94
	TOTAL COST PER U	INIT	\$262.93	\$163.73	\$136.28	\$562.94

Client: Project:	Coeur Alaska, Inc. Kensington Project
Prepared By: Date:	Closure Reclamation Estimate DPC March 22, 2013
Operational Analysis	Task No. 28.13 Parcel 28
Description:	Dismantle ARD WTP
Dismantle WTP from	tailings dam plunge pool area.

Production Rates:

Task assumes a total of 5 days to disconnect 3 containerized WTP modules, dismantle roof and associated structures and to haul off in a dump truck. Costs for a dozer and excavator to remove foundation and regrade area are included .

	Production:	1	LS			
Equip. Hours No.	Descr	iption	Labor \$/hr	Equipment \$/hr	Equip Maint \$/hr	Total \$/hr
61	40 Labo	r 1	\$2,421.33 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$2,421.3 \$60.53
61	40 Labo	r 1	\$2,421.33 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$2,421.3 \$60.53
36	40 Picku	ıp Truck 4x4	\$0.00 \$0.00	\$413.64 \$10.34	\$383.34 \$9.58	\$796.9 \$19.92
5	40 Exca	vator ZX330LC	\$2,852.35 \$71.31	\$2,297.98 \$57.45	\$2,939.45 \$73.49	\$8,089. \$202.2
1	40 Doze	er D6R	\$2,852.35 \$71.31	\$2,757.58 \$68.94	\$1,985.54 \$49.64	\$7,595.4 \$189.8
24	40 Volvo	0 A25D	\$2,822.38 \$70.56	\$2,527.78 \$63.19	\$1,845.69 \$46.14	\$7,195. \$179.9
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
[]			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00

Client: Coeur Alaska, Inc. Project: Kensington Project Closure Reclamation Estimate Prepared By: DPC					
Date: March 22, 2013					
Operational Analysi	s Task No. Parcel	28.21 28			
Description:	Grading				
will consist of roug completed using a	-	s dam plunge pool area will b to reshape disturbed areas ar a U blade and ripper.		-	
Production Rates:					
	<u>Dozing</u> Push Distance (ft) duction Rate (Lcy/hr) Factor oduction Rate (cy/hr)	100 950 0.49 468.2142857	<u>Production Fa</u> Unit Wt Slot Slope Material Operator Eff. Wt	actors 2,100 1.20 1.00 0.75 0.50 1.10	

P

Pr	roduction: 4	68 cy/hr			
Equip. Equip. No. Count	Description	Labor \$/hr	Equipmen \$/hr	t Equip Maint \$/hr	Total \$/hr
3	1 Dozer D8	\$71.31 \$71.31	\$97.66 \$97.66	\$94.03 \$94.03	\$263.0 \$263.0
36	1 Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
50	1 Foreman	\$74.36 \$74.36	\$0.00 \$0.00	\$0.00 \$0.00	\$74.36 \$74.36
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
Total Hour	rly Costs	\$145.67	\$108.01	\$103.61	\$357.2
TOTAL CO	OST PER UNIT	\$0.31	\$0.23	\$0.22	\$0.76

Client:	Coeur Alaska, Inc.			
Project:	Kensington Project			
1 10,000	Closure Reclamation Estimate			
Prepared By:	DPC			
Date:	March 22, 2013			
Dato.	indion 22, 2010			
Operational An				
	Parcel 28			
Description:	Load, Haul, and Spread Topsoil			
r				
Load haul and	I spread topsoil from Parcel 36 on regraded are	a. A nominal topsoil d	epth of 12 inches is used.	
Des la cita De				
Production Ra	ttes: Haul Units		Loading	
	Hauronits		Loading	
	Haul Distance (mi.)	0.8143939	Haul Distance (ft.)	20
	Load Time (min)	0.35	Bucket Capacity (cy)	7
	Full Travel Time (min)	3.1	Full Travel Time (min)	0.08
	Empty Travel Time (min)	1.9	Empty Travel Time (min)	0.06
	Cycle Time (min)	5.35	Cycle Time (min)	0.14
Production Fac	tors Unit Capacity (cy)	17	Cycles/Haul Unit	2
	,600 Efficiency	0.8	Efficiency	0.8
	1.00 Unit Rate (cy/hr)	152.5	Load Time/Unit (min)	0.4
	1.00		Units Loaded/hr	171
	1.20		Max Production (cy/hr)	2,907
	0.75 Spread		max i roducion (cj/m)	2,001
	0.50 Push Distance (ft)	100		
	1.44 Production Rate (Lcy/hr)	390	Haul Units	3.0
***	Factor	0.65	Total Haul Capacity (cy/hr)	458
	Effective Production Rate (cy/hr)	252		400
	Enective Floduction Rate (Cy/III)	232		
Limiting Facto	r: Data from Caternillar Pe	rformance Handbook fo	r Loader 980H, Articulated Truck 730, and D6	dozer
	Data noni Catorpilar i o	anaboon io		

Production will be limited by the spreading capcity of the D6 (195 cy/hr).

Production: 458 cy/hr

quip. Equip		Labor		Equip Maint	Total
o. Coun	t Description	\$/hr	\$/hr	\$/hr	\$/hr
1	1 Dozer D6R	\$71.31	\$68.94	\$49.64	\$189.89
		\$71.31	\$68.94	\$49.64	\$189.89
24	3 Volvo A25D	\$211.68	\$189.58	\$138.43	\$539.69
		\$70.56	\$63.19	\$46.14	\$179.90
11	1 Loader L220E	\$71.31	\$68.94	\$72.54	\$212.79
		\$71.31	\$68.94	\$72.54	\$212.79
50	1 Foreman	\$74.36	\$0.00	\$0.00	\$74.36
		\$74.36	\$0.00	\$0.00	\$74.36
36	1 Pickup Truck 4x4	\$0.00	\$10.34	\$9.58	\$19.92
		\$0.00	\$10.34	\$9.58	\$19.92
		\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00
[\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00
Total	Hourly Costs	\$428.66	\$337.80	\$270.19	\$1,036.6
	AL COST PER UNIT	\$0.94	\$0.74	\$0.59	\$2.26

Client: Project:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate						
Prepared By: Date:	DPC March 22, 2013						
Operational Analysis	Task No. 28.23 Parcel 28						
Description:	Soil Preparation						
	Regraded areas will be prepared/scarified using a D6 dozer.						
Production Rates:							
<u>Tillage Ra</u>							
Velocity Tool Width							
Production							
Efficiency Effective Productior							

	Prod	uction: 1	.0 ac/hr			
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipmen \$/hr	t Equip Maint \$/hr	Total \$/hr
	1	1 Dozer D6R	\$71.31 \$71.31	\$68.94 \$68.94	\$49.64 \$49.64	\$189.89 \$189.89
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly C	osts	\$71.31	\$68.94	\$49.64	\$189.8
	TOTAL COST		\$73.54	\$71.09	\$51.19	\$195.82

Client: Project:						
Prepared By:	DPC					
Date:	March 22, 2013					
Operational Analysis	Task No. 28.31 Parcel 28					
Description:	Seed, Mulch, and Fertilize					
Hydro seeding witl	Hydro seeding with mulch and fertilizer.					
Production Rates:	Production Rates:					

Production based on 2005 RSMeans Heavy Construction Cost Data, 19th Annual Edition.

Crew Output	80 MSF 0.23 ac/hr	Material Location Factor Adj. Material Seed Total with seed	Cost \$28.61 1.000 \$28.61 \$9.56 \$38.17 MSF \$1.6601ac	Upland Wetland	Seed/MSF \$8.75 \$15.01	% of parcel 87 13
			\$1,660 ac			

Limiting Factor:

Production will be limited by the hydro seeding rate 80,000 sf/day. The hourly production rate assumes an effective 12 hr work day.

quip. Equip. o. Count	Description	Labor \$/hr	Equipment \$/hr	t Equip Maint \$/hr	Total \$/hr
30	1 Farm tractor Kubot	a 4{ \$70.56 \$70.56	\$8.62 \$8.62	\$14.20 \$14.20	\$93.38 \$93.38
36	1 Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
51	1 Oper. 1	\$71.31 \$71.31	\$0.00 \$0.00	\$0.00 \$0.00	\$71.31 \$71.31
61	1 Labor 1	\$60.53 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$60.53 \$60.53
31	1 Hydroseeder/Mulch	ner \$70.56 \$70.56	\$68.94 \$68.94	\$5.87 \$5.87	\$145.37 \$145.37
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
Total Hourly	Costs	\$272.96	\$87.90	\$29.65	\$390.51
TOTAL COS	T PER UNIT	\$1,364.81	\$439.49	\$148.27	\$1,952.5

	105 RSMeans Heavy Construction Cost Data, 19th Annual Edition.	
Production Rates:		
Supply and install s	fencing around reclaimed areas.	
Description:	It Fencing	
Operational Analysis	Task No. 28.32 Parcel 28	
Date:	arch 22, 2013	
Prepared By:	losure Reclamation Estimate	
Project:	ensington Project	
Client:	oeur Alaska, Inc.	

Crew			Cost
Output	950 daily	Material	\$0.62
•	0.017 hr/lf/man	Location Factor	1.000
		Adj. Material	\$0.62

	Production:	119	lf/hr			
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipmen \$/hr	t Equip Maint \$/hr	Total \$/hr
(61 2	Labor 1	\$121.07 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$121.07 \$60.53
(36 1	Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
(30 1	Farm tractor Kubota 45	\$70.56 \$70.56	\$8.62 \$8.62	\$14.20 \$14.20	\$93.38 \$93.38
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly Costs		\$191.63	\$18.96	\$23.78	\$234.3
	TOTAL COST PER U	JNIT	\$1.61	\$0.16	\$0.20	\$1.97
					Materials Total	\$0.62 \$2.59

Client: Project:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate	
Prepared By: Date:	DPC March 22, 2013	
Operational Analysis	Task No. Parcel	28.41 28
Description:	Subgrade Prep	
Subgrade prep will c	onsist of using an air compre	ssor to clean bedrock at base of encapsulation area prior to grouting.

Production Rates:

This task assumes an hourly rate for air compressor and 2 laborers.

Limiting Factor:

Production will be limited by the spread rate for the D8 Dozer. Grading assumes a nominal depth of 1 foot across the site.

	Production:		1 hr			
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipment \$/hr	Equip Maint \$/hr	Total \$/hr
	32 1	Air Compressor	\$0.00 \$0.00	\$11.49 \$11.49	\$20.48 \$20.48	\$31.97 \$31.97
	36 1	Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
	62 1	Labor 1	\$60.53 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$60.53 \$60.53
(62	Labor 1	\$0.00 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$60.53
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly Costs		\$60.53	\$21.83	\$30.06	\$112.43
	TOTAL COST PER UN	NIT	\$60.53	\$21.83	\$30.06	\$112.43

Client:	Coeur Alaska, Inc.		
Project:	Kensington Project		
	Closure Reclamation Estimate		
Prepared By:	DPC		
Date:	March 22, 2013		
Operational Ana			
	Parcel 28		
Deceminations	Everyote and Oters Dissite		
Description:	Excavate and Store Diorite		
r			
Excavate, load,	and haul diorite encapsulation material to tem	porary storage	area (task assumes 500 ft haul over level terrain)
	· · · · · · · · · · · · · · · · · · ·		· · ·
Production Rate			
	<u>Haul Units</u>		<u>Loading</u>
	Haul Distance (mi.)	0.1	Haul Distance (ft.)
	Load Time (min)	2.63	Bucket Capacity (cy)
	Full Travel Time (min)	0.5	Full Travel Time (min)
	Empty Travel Time (min)	0.4	Empty Travel Time (min)
	Cycle Time (min)	3.53	Cycle Time (min)
	Unit Capacity (cy)	17	Cycles/Haul Unit
	Efficiency	0.8	Efficiency
	Unit Rate (cy/hr)	231.5	Load Time/Unit (min)
	crim reate (cy/m)	201.0	Units Loaded/hr
			Max Production (cy/hr) 3
			Haul Units 1
			Total Loadout Capacity (cy/hr) 2

Limiting Factor: Data from Caterpillar Performance Handbook for Excavator 330, and Articulated Truck 730.

Production is limited by the number of trucks hauling material.

Production: 231 cy/hr

Equip. No.	Equip. Count	Description	Labor \$/hr	Equipmen \$/hr	Equip Maint \$/hr	Total \$/hr
24	4 3	Volvo A25D	\$211.68 \$70.56	\$189.58 \$63.19	\$138.43 \$46.14	\$539.69 \$179.90
	5 1	Excavator ZX330LC	\$71.31 \$71.31	\$57.45 \$57.45	\$73.49 \$73.49	\$202.24 \$202.24
50	0 1	Foreman	\$74.36 \$74.36	\$0.00 \$0.00	\$0.00 \$0.00	\$74.36 \$74.36
30	6 1	Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly Costs		\$357.35	\$257.37	\$221.50	\$836.22
	TOTAL COST PER	UNIT	\$1.55	\$1.11	\$0.96	\$3.62

Client: Project:	Coeur Alaska, Inc. Kensington Project			
Prepared By: Date:	Closure Reclamation Estimate DPC March 22, 2013			
Operational Analys	si Task No. 28.43 Parcel 28			
Description:	Place Liner Cover			
Excavate, load, a	nd haul topsoil and place over cover. (haul fr	om Parcel 25)		
Production Rates	: Haul Units		Loading	
	Haul Distance (mi.) Load Time (min) Full Travel Time (min) Empty Travel Time (min) Cycle Time (min) Unit Capacity (cy) Efficiency Unit Rate (cy/hr)	0.1 2.63 0.5 0.4 3.53 17 0.8 231.5	Haul Distance (ft.) Bucket Capacity (cy) Full Travel Time (min) Empty Travel Time (min) Cycle Time (min) Cycles/Haul Unit Efficiency Load Time/Unit (min) Units Loaded/hr Max Production (cy/hr)	15 2.5 0.2 0.1 0.3 7 0.8 2.6 23 391
			Haul Units Total Loadout Capacity (cy/hr)	1.0 231

Limiting Factor: Data from Caterpillar Performance Handbook for Excavator 330, and Articulated Truck 730.

Production is limited by the number of trucks hauling material.

Production: 231 cy/hr

Equip. No.	Equip. Count	Description	Labor \$/hr	Equipmen \$/hr	Equip Maint \$/hr	Total \$/hr
24	4 3	Volvo A25D	\$211.68	\$189.58	\$138.43	\$539.69
		-	\$70.56	\$63.19	\$46.14	\$179.90
	5 1	Excavator ZX330LC	\$71.31	\$57.45	\$73.49	\$202.24
	<u>.</u>	-	\$71.31	\$57.45	\$73.49	\$202.24
50	0 1	Foreman	\$74.36	\$0.00	\$0.00	\$74.36
		_	\$74.36	\$0.00	\$0.00	\$74.36
36	6 1	Pickup Truck 4x4	\$0.00	\$10.34	\$9.58	\$19.92
		_	\$0.00	\$10.34	\$9.58	\$19.92
]	\$0.00	\$0.00	\$0.00	\$0.00
		-	\$0.00	\$0.00	\$0.00	\$0.00
		1	\$0.00	\$0.00	\$0.00	\$0.00
		-	\$0.00	\$0.00	\$0.00	\$0.00
		1	\$0.00	\$0.00	\$0.00	\$0.00
		-	\$0.00	\$0.00	\$0.00	\$0.00
		1	\$0.00	\$0.00	\$0.00	\$0.00
		_	\$0.00	\$0.00	\$0.00	\$0.00
		1	\$0.00	\$0.00	\$0.00	\$0.00
		-	\$0.00	\$0.00	\$0.00	\$0.00
		1	\$0.00	\$0.00	\$0.00	\$0.00
		-	\$0.00	\$0.00	\$0.00	\$0.00
]	\$0.00	\$0.00	\$0.00	\$0.00
		_	\$0.00	\$0.00	\$0.00	\$0.00
		1	\$0.00	\$0.00	\$0.00	\$0.00
		-	\$0.00	\$0.00	\$0.00	\$0.00
		1	\$0.00	\$0.00	\$0.00	\$0.00
		-	\$0.00	\$0.00	\$0.00	\$0.00
	Total Hourly Costs		\$357.35	\$257.37	\$221.50	\$836.22
	TOTAL COST PER		\$1.55	\$1.11	\$0.96	\$3.62

Client: Project:	Coeur Alaska, Inc. Kensington Project			
Prepared By: Date:	Closure Reclamation Estimate DPC March 22, 2013			
Operational Analys	si Task No. 28.44 Parcel 28			
Description:	Topsoil Placement			
Load, haul, and s	pread 12" thickness of topsoil from Parcel 2	5. Task assu	mes 1 acre of soil placement.	
Production Rates	: Haul Units		Loading	
	Haul Distance (mi.)	0.76	Haul Distance (ft.)	20
	Load Time (min)	0.35	Bucket Capacity (cy)	7
	Full Travel Time (min)	3.2		0.08
	Empty Travel Time (min) Cycle Time (min)	1.7 5.25		<mark>0.06</mark> 0.14
Production Factors		5.25 17	Cycles/Haul Unit	0.14
Unit Wt 1.600		0.8	Efficiency	0.8
Slot 1.00		155.4	Load Time/Unit (min)	0.4
Slope 1.00		9		171
Material 1.20		Ũ		907
Operator 0.75	Spread			
Eff. 0.50		300		
Wt 1.44	Production Rate (Lcy/hr)	350		3.0
	Factor	0.65	Total Haul Capacity (cy/hr)	466
	Effective Production Rate (cy/hr)	226		
Limiting Factor:	Data from Caterpillar Perl	ormance Ha	ndbook for Loader 980H, Articulated Truck 730, and D8 d	lozer

Production will be limited by the dozer spread rate (175cy/hr).

	Production:	466 cy/hr			
Equip. Equip. No. Count	Descriptio	Labor on \$/hr		Equip Maint \$/hr	Total \$/hr
3	1 Dozer D	8 \$71.31 \$71.31	\$97.66 \$97.66	\$94.03 \$94.03	\$263.00 \$263.00
24	3 Volvo A2	25D \$211.68 \$70.56	\$189.58 \$63.19	\$138.43 \$46.14	\$539.69 \$179.90
11	1 Loader	L220E \$71.31 \$71.31	\$68.94 \$68.94	\$72.54 \$72.54	\$212.79 \$212.79
50	1 Foremar	n \$74.36 \$74.36	\$0.00 \$0.00	\$0.00 \$0.00	\$74.36 \$74.36
36	1 Pickup T	ruck 4x4 \$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
Total F	lourly Costs	\$428.66	\$366.53	\$314.58	\$1,109.76
TOTAL	COST PER UNIT	\$0.92	\$0.79	\$0.68	\$2.38

Client: Project:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate
Prepared By: Date:	DPC March 22, 2013
Operational Analysis	Task No. 28.45 Parcel 28
Description:	Soil Preparation
Topsoiled areas wil	I be prepared/scarified prior to seeding.
Topsoiled areas wil Production Rates:	I be prepared/scarified prior to seeding.

Production will be limited by the ripping rate for the D6 Dozer.

Production: 1.0 ac/hr Equipment Equip Maint \$/hr \$/hr Equip. No. Equip. Count Labor Total \$/hr \$/hr Description Dozer D6R \$71.31 \$68.94 \$49.64 \$189.89 1 1 \$71.31 \$68.94 \$49.64 \$189.89 \$0.00 Total Hourly Costs \$71.31 \$68.94 \$49.64 \$189.89 TOTAL COST PER UNIT \$73.54 \$71.09 \$51.19 \$195.82

Client: Project:	Coeur Alaska, Inc. Kensington Project			
Prepared By: Date:	Closure Reclamation Estimate DPC March 22, 2013			
Operational Analysis	Task No. 28.46 Parcel 28			
Description:	Haul Graphitic Phyllite to Parcel 20			
Excavate, load, and	haul encapsulated graphitic phyllite from tailing	ngs dam plunge po	ol area to the Borrow Area (Parcel 20).	
Production Rates:				
	<u>Haul Units</u>		<u>Loading</u>	
	Haul Distance (mi.) Load Time (min) Full Travel Time (min) Empty Travel Time (min) Cycle Time (min) Unit Capacity (cy) Efficiency Unit Rate (cy/hr)	3 2.63 12.4 10.4 25.43 17 0.8 32.1	Haul Distance (ft.) Bucket Capacity (cy) Full Travel Time (min) Empty Travel Time (min) Cycle Time (min) Cycles/Haul Unit Efficiency Load Time/Unit (min) Units Loaded/hr Max Production (cy/hr)	15 2.5 0.2 0.1 0.3 7 0.8 2.6 23 391
			Haul Units	2.0
			Total Loadout Capacity (cy/hr)	64

Limiting Factor: Data from Caterpillar Performance Handbook for Excavator 330, and Articulated Truck 730.

Production is limited by the number of trucks hauling material.

	Productio	n: 64	¢cy/hr			
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipment \$/hr	Equip Maint \$/hr	Total \$/hr
	24	3 Volvo A25D	\$211.68 \$70.56	\$189.58 \$63.19	\$138.43 \$46.14	\$539.69 \$179.90
	5	1 Excavator ZX330LC	\$71.31 \$71.31	\$57.45 \$57.45	\$73.49 \$73.49	\$202.24 \$202.24
	50	1 Foreman	\$74.36 \$74.36	\$0.00 \$0.00	\$0.00 \$0.00	\$74.36 \$74.36
	36	1 Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly Costs		\$357.35	\$257.37	\$221.50	\$836.22
	TOTAL COST PER	R UNIT	\$5.58	\$4.02	\$3.46	\$13.07

Client: Project:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate					
Prepared By: Date:	DPC March 22, 2013					
Operational Analysis	Task No. Parcel	28.49 28				
Description:	Seed Mulch and Fertilize					
Hydro seeding with Production Rates:	mulch and fertilizer.					
Production based on	2005 RSMeans Heavy Constructio	n Cost Data, 19t	h Annual Edition.			
Crew	MSF	Material	Cost	Lipland	Seed/MSF	% of parcel
	ac/hr Lo	Material ocation Factor Adj. Material Seed otal with seed	\$28.61 1.000 \$28.61 \$15.01 \$43.62 MSF \$1,900 ac	Upland Wetland	\$8.75 \$15.01	0 100

Limiting Factor:

Production will be limited by the hydro seeding rate 80,000 sf/day. The hourly production rate assumes an effective 12 hr work day.

quip. 5.	Equip. Count	Description	Labor \$/hr	Equipment \$/hr	Equip Maint \$/hr	Total \$/hr
3	0 1	Farm tractor Kubota 4500	\$70.56 \$70.56	\$8.62 \$8.62	\$14.20 \$14.20	\$93.38 \$93.38
3	6 1	Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
5	1 1	Oper. 1	\$71.31 \$71.31	\$0.00 \$0.00	\$0.00 \$0.00	\$71.31 \$71.31
6	1 1	Labor 1	\$60.53 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$60.53 \$60.53
3	1 1	Hydroseeder/Mulcher	\$70.56 \$70.56	\$68.94 \$68.94	\$5.87 \$5.87	\$145.37 \$145.37
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly Costs		\$272.96	\$87.90	\$29.65	\$390.5 ⁻
	TOTAL COST PER	UNIT	\$1,364.81	\$439.49	\$148.27	\$1,952.5 \$1,900.

Client: Project:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimat	٩	
Prepared By: Date:	DPC March 22, 2013	•	
Operational Analys	sis Task No. Parcel	28.5 28	
Description:	Silt Fencing		
Supply and instal	I silt fencing around reclaimed	l areas.	
Production Rates	:		
Production based of	on 2005 RS Means Heavy Const	truction Cost Data, 19th Annual Edition.	
Crew		Cost	

Crew Cost Output 950 daily Material \$0.62 0.017 hr/lf/man Location Factor 1.000 Adj. Material \$0.62

	Production:	119	lf/hr			
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipment \$/hr	Equip Maint \$/hr	Total \$/hr
61	2	Labor 1	\$121.07 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$121.0 \$60.5
36	1	Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.9 \$19.9
30	1	Farm tractor Kubota 4500	\$70.56 \$70.56	\$8.62 \$8.62	\$14.20 \$14.20	\$93.3 \$93.3
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly Costs		\$191.63	\$18.96	\$23.78	\$234.3
	TOTAL COST PER		\$1.61	\$0.16	\$0.20	\$1.97

Costs to construct the	e stage 2 closure spillway are based on the attached Knight Peisold cost estimate (Appendix C).	
Description:	Stage 2 Interim Spillway	
Operational Analysis	Task No. 28.61 Parcel 28	
Prepared By: Date:	DPC March 22, 2013	
Client: Project:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate	

Assumptions:

Equip. No.	hrs	Labor Description \$/hr	Equipment \$/hr	Equip Maint \$/hr	Total \$/hr
		\$0.00	\$0.00	\$0.00	\$0
		\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0
		\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0
		\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0
		\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0
		\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00
	·	\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00
	·	\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00
	Subtotal Hourly Costs	\$0.00	\$0.00	\$0.00	\$0
	Total Hourly Cost	\$0.00	\$0.00	\$0.00	\$0

Client: Project:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate
Prepared By: Date:	DPC March 22, 2013
Operational Analysis	Task No. 29.11 Parcel 29A
Description:	Remove Fuel Storage Secondary Containment
	e secondary containment at the Slate Creek Cove Terminal. This task will include removal cutting and folding the backfilling the containment cell using material from the containment berms.
Production Rates:	

Removal of the containment area is estimated using an hourly rate. A duration of 4 hours is used for this task.

Limiting Factor:

Demolition of the secondary fuel containment strucure assumes a duration of 4 hours to complete the work. The budget for this task does not include any effort for remedial work for hydrocarbon cleanup.

	Production		<mark>1</mark> /hr			
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipment \$/hr	Equip Maint \$/hr	Total \$/hr
	61	2 Labor 1	\$121.07 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$121.07 \$60.53
	5	Excavator ZX330LC	\$71.31 \$71.31	\$57.45 \$57.45	\$73.49 \$73.49	\$202.24 \$202.24
:	36	Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly Costs		\$192.38	\$67.79	\$83.07	\$343.24
	TOTAL COST PER	UNIT	\$192.38	\$67.79	\$83.07	\$343.24

Client: Project:	Coeur Alaska, Inc. Kensinaton Project
	Closure Reclamation Estimate
Prepared By: Date:	DPC March 22, 2013
Operational Analysis	Task No. 29.12 Parcel 29A
Description:	Demolish Generator and Compressor Buildings
This task will includ	e removal of equipment from the compressor and generator buildings and demolition of the structures.
Production Rates:	
Production based on	2005 RSMeans Heavy Construction Cost Data, 19th Annual Edition.
Demolition rate is bas	e on the volume of the building in cubic feet.

Crew Output 21,500 cf/daily 2,690 cf/hr

The buildings have an area of 420 sf and a nominal height of 10 feet. Assuming a building volume of 4,200 cf, 2 hours are required for demolition. An additional 8 hours have been budgeted to remove equipment from the buildings.

Demolition cost for the building assume an hourly rate.

Limiting Factor:

Demolition of the buildings will be completed using a thumb attachment mounted on a track excavator. The truck will be used to remove any metal or other debris from the site.

	Pro	oduction: 1	/hr			
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipment \$/hr	Equip Maint \$/hr	Total \$/hr
	61	1 Labor 1	\$60.53 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$60.53 \$60.53
	5	1 Excavator ZX330LC	\$71.31 \$71.31	\$57.45 \$57.45	\$73.49 \$73.49	\$202.24 \$202.24
	36	1 Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
	24	1 Volvo A25D	\$70.56 \$70.56	\$63.19 \$63.19	\$46.14 \$46.14	\$179.90 \$179.90
	39	1 Acetylene Cutting Tor	c \$0.00 \$0.00	\$2.59 \$2.59	\$0.13 \$0.13	\$2.72 \$2.72
	7	1 Thumb Attachment	\$0.00 \$0.00	\$0.00 \$0.00	\$2.59 \$2.59	\$2.59 \$2.59
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly C	Costs	\$202.40	\$133.57	\$131.93	\$467.9
	TOTAL COST	PER UNIT	\$202.40	\$133.57	\$131.93	\$467.90

Client: Project: Prepared By: Date:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate DPC March 22, 2013
Operational Analysis	Task No. 29.13 Parcel 29B
Description:	Demolish / Salvage Marine Facilities (docks and piles)

This task will include removal of the off-shore marine facilities.

Assumptions

	Units	Unit Cost	Quantity	Cost
Tug & Barge	day	\$2,500	24	\$60,000
Labor	hour	\$480	240	\$115,200
Subsistance	hour	\$30	240	\$7,200
			Total	\$206,112

This estimate is based on rates obtained from Western Marine (Seattle Washington), telephone conversation with Chris Hart on 4/15/05. Labor assumes a 6 person crew and an hourly rate of \$80. This includes USL&H Insurance. Hourly susistance rate assumes \$5 per person and a 6 person crew. Salvage value not included in estimate.

Price confirmed by Trucano Construction on 2/18/2010.

Client: Project:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate
Prepared By:	DPC
Date:	March 22, 2013
Operational Analysis	Task No. 29.14 Parcel 29B
Description:	Demo Misc. Concrete Abutments
Demo miscellaneous	concrete foundations. Concrete debris will be buried on si

Demo miscellaneous concrete foundations. Concrete debris will be buried on site. Work will be completed using a track excavator and labor with a acetylene torch to cut reinforcement steel.

Production Rates:

Demo. of concrete is estimated using an hourly rate. A duration of 8 hours is used for this task.

Limiting Factor:

The two laborers will work with the excavator to cut reinforcement steel. An excavator equipped with a hydraulic hammer will be used for demolition. Concrete debris will be buried on site in conjunction with grading, Task 29.21.

Production: 1/hr

Equip. No.	Equip. Count	Description	Labor \$/hr	Equipment \$/hr	Equip Maint \$/hr	Total \$/hr
	61 2	Labor 1	\$121.07	\$0.00	\$0.00	\$121.07
	2		\$60.53	\$0.00	\$0.00	\$60.53
	5 1	Excavator ZX330LC	\$71.31	\$57.45	\$73.49	\$202.24
			\$71.31	\$57.45	\$73.49	\$202.24
	8 1	Hammer Attachment	\$0.00	\$43.09	\$14.06	\$57.15
			\$0.00	\$43.09	\$14.06	\$57.15
3	36 1	Pickup Truck 4x4	\$0.00	\$10.34	\$9.58	\$19.92
			\$0.00	\$10.34	\$9.58	\$19.92
3	39 1	Acetylene Cutting Torch		\$2.59	\$0.13	\$2.72
			\$0.00	\$2.59	\$0.13	\$2.72
]	\$0.00	\$0.00	\$0.00	\$0.00
		_	\$0.00	\$0.00	\$0.00	\$0.00
]	\$0.00	\$0.00	\$0.00	\$0.00
			\$0.00	\$0.00	\$0.00	\$0.00
		1	\$0.00	\$0.00	\$0.00	\$0.00
		_	\$0.00	\$0.00	\$0.00	\$0.00
]	\$0.00	\$0.00	\$0.00	\$0.00
		_	\$0.00	\$0.00	\$0.00	\$0.00
		1	\$0.00	\$0.00	\$0.00	\$0.00
		_	\$0.00	\$0.00	\$0.00	\$0.00
]	\$0.00	\$0.00	\$0.00	\$0.00
		_	\$0.00	\$0.00	\$0.00	\$0.00
		1	\$0.00	\$0.00	\$0.00	\$0.00
		_	\$0.00	\$0.00	\$0.00	\$0.00
]	\$0.00	\$0.00	\$0.00	\$0.00
		_	\$0.00	\$0.00	\$0.00	\$0.00
	Total Hourly Costs		\$192.38	\$113.46	\$97.26	\$403.10
	TOTAL COST PER		\$192.38	\$113.46	\$97.26	\$403.10

Client: Project: Prepared By:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Es DPC	late	
Date:	March 22, 2013		
Operational Analy	rsis Task No. Parcel	29.21 29A	
Description:	Grading		
Access Road pa	sses through parcel 29, th reshape disturbed areas a	s dam plunge pool area will be completed to prepare the subgrade for topsoil. The Jualin area is not included in the grading calcuation. This item will consist of rough grading d to redistribute native soils across the site. Work will be completed using a D8 Dozer	
Production Rate	5:		
	Dozina	Production Factors	

DOLING		Troduction	001010
Push Distance (ft)	100	Unit Wt	2,100
Production Rate (Lcy/hr)	950	Slot	1.20
Factor	0.66	Slope	1.00
Effective Production Rate (cy/hr)	627	Material	1.00
		Operator	0.75
		Eff.	0.67
		Wt	1.10

		Production:	6	27 cy/hr			
Equip. No.	Equip. Count	D	escription	Labor \$/hr	Equipmen \$/hr	t Equip Maint \$/hr	Total \$/hr
	3	1	Dozer D8	\$71.31 \$71.31	\$97.66 \$97.66	\$94.03 \$94.03	\$263.0 \$263.0
3	36	1 1	Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
5	50	1 1	Foreman	\$74.36 \$74.36	\$0.00 \$0.00	\$0.00 \$0.00	\$74.36 \$74.36
				\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
				\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
				\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
				\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
				\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
				\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
				\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
				\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
				\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
				\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Ho	urly Costs		\$145.67	\$108.01	\$103.61	\$357.29
	TOTAL C	COST PER UNIT	-	\$0.23	\$0.17	\$0.17	\$0.57

Client: Project: Prepared By: Date:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate DPC March 22, 2013			
Operational Analysi	s Task No. 29.22 Parcel 29A			
Description:	Load, Haul, and Spread Topsoil			
Load haul and spr will not be covered	•	pth of 12 inche	s is used. The area within the Jualin road right o	f way
Production Rates:	Haul Units		Loading	
Production FactorsUnit Wt1,600Slot1.00Slope1.00Material1.20Operator0.75Eff.0.50Wt1.44	Haul Distance (mi.) Load Time (min) Full Travel Time (min) Empty Travel Time (min) Cycle Time (min) Unit Capacity (cy) Efficiency Unit Rate (cy/hr) <u>Spread</u> Push Distance (ft) Production Rate (Lcy/hr) Factor Effective Production Rate (cy/hr)	0.3 0.35 0.7 1.1 3.00 17 0.8 272.0 100 950 0.65 615	Haul Distance (ft.) Bucket Capacity (cy) Full Travel Time (min) Empty Travel Time (min) Cycles Time (min) Cycles/Haul Unit Efficiency Load Time/Unit (min) Units Loaded/hr Max Production (cy/hr) Haul Units Total Haul Capacity (cy/hr)	20 7 0.08 0.06 0.14 2 0.8 0.4 171 2,907 2.0 544
Limiting Factor:	Data from Caterpillar Perf	ormance Handb	ook for Loader 980H, Articulated Truck 730, and D6	dozer.

Production will be limited by the spreading capacity of the D6 (100 cy/hr). The dozer can support up to 1 dump truck with an estimated haul capacity of 544 cy/hr. 1760 ft haul at 6%.

	Production:	5	44 cy/hr			
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipment \$/hr	Equip Maint \$/hr	Total \$/hr
1	1	Dozer D6R	\$71.31 \$71.31	\$68.94 \$68.94	\$49.64 \$49.64	\$189.89 \$189.89
24	2	Volvo A25D	\$141.12 \$70.56	\$126.39 \$63.19	\$92.28 \$46.14	\$359.79 \$179.90
11	1	Loader L220E	\$71.31 \$71.31	\$68.94 \$68.94	\$72.54 \$72.54	\$212.79 \$212.79
50	1	Foreman	\$74.36 \$74.36	\$0.00 \$0.00	\$0.00 \$0.00	\$74.36 \$74.36
36	1	Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	<u> </u>]		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	<u> </u>]		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	1]		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly Costs		\$358.10	\$274.61	\$224.05	\$857
	TOTAL COST PER UNI	т	\$0.66	\$0.50	\$0.41	\$1.57

Client: Project:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate
Prepared By: Date:	DPC March 22, 2013
Operational Analysis	Task No. 29.23 Parcel 29A
Description:	Soil Preparation
Regraded areas wil	I be Prepared/scarified using a D6 dozer.
Froduction Rates.	
<u>Tillage Ra</u> Velocity Tool Width Productior Efficiency Effective Production	1 mph 10 ft 1.2 ac/hr 0.8

Production will be limited by the ripping rate for the D6 Dozer.

	Productio	n:	1 ac/hr			
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipment \$/hr	Equip Maint \$/hr	Total \$/hr
	1	1 Dozer D6R	\$71.31 \$71.31	\$68.94 \$68.94	\$49.64 \$49.64	\$189.89 \$189.89
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly Costs		\$71.31	\$68.94	\$49.64	\$189.89
	TOTAL COST PER U		\$73.54	\$71.09	\$51.19	\$195.82

Client: Project: Prepared By: Date:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate DPC March 22, 2013			
Operational Analysis	Task No. Parcel	29.24 29B		
Description:	Excavation below mean high w	ater elevation		
	and D8 Dozer equipped with a	-	-	levation. Work will be completed he northern portion of Parcel 29
Production Rates:				
F	Dozing Push Distance (ft) Production Rate (Lcv/hr)	150 850	Excavation Bucket (cy) Cycle (sec)	2.5 18

Production Rate (Lcy/hr)	850	Cycle (sec	18
Efficiency	0.5	Efficiency	0.8
Effective Production Rate (cy/hr)	425	Production Rate (cy/hr)	500
		Eff. Production Rate (cy/hr)	400

Data from Caterpillar Performance Handbook for excavator 330, and D8 dozer.

	Production:	400	0 cy/hr			
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipmen \$/hr	t Equip Maint \$/hr	Total \$/hr
	3 1	Dozer D8	\$71.31 \$71.31	\$97.66 \$97.66	\$94.03 \$94.03	\$263.0 \$263.0
	5 1	Excavator ZX330LC	\$71.31 \$71.31	\$57.45 \$57.45	\$73.49 \$73.49	\$202.2 \$202.2
:	24 1	Volvo A25D	\$70.56 \$70.56	\$63.19 \$63.19	\$46.14 \$46.14	\$179.9 \$179.9
(50 1	Foreman	\$74.36 \$74.36	\$0.00 \$0.00	\$0.00 \$0.00	\$74.36 \$74.36
;	36 1	Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		ļ	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly Costs		\$287.54	\$228.65	\$223.24	\$739.4
	TOTAL COST PER UN	ит	\$0.72	\$0.57	\$0.56	\$1.85

Client: Project: Prepared By: Date:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate DPC March 22, 2013
Operational Analysis	Task No. Parcel

Description:

Excavate Wetland Fill, Load, Haul, and Spread

Load haul and spread fill excavated from wetland areas. This task assumes that material excavated from the wetland areas will be placed in Parcel 18 with a max haul of 0.2 miles.

<mark>29.25</mark> 29

Production Rates:				
	<u>Haul Units</u>		Loading	
	Haul Distance (mi.)	0.2	Haul Distance (ft.)	15
	Load Time (min)	2.63	Bucket Capacity (cy)	2.5
	Full Travel Time (min)	0.6	Full Travel Time (min)	0.2
	Empty Travel Time (min)	0.6	Empty Travel Time (min)	0.1
	Cycle Time (min)	3.83	Cycle Time (min)	0.3
	Unit Capacity (cy)	17	Cycles/Haul Unit	7
	Efficiency	0.8	Efficiency	0.8
	Unit Rate (cy/hr)	213.3	Load Time/Unit (min)	2.6
			Units Loaded/hr	23
			Max Production (cy/hr)	391
	<u>Spread</u>			
	Push Distance (ft)	100		
	Production Rate (Lcy/hr)	390	Haul Units	1.0
	Efficiency	0.5	Total Loadout Capacity (cy/hr)	213
	Effective Production Rate (cy/hr)	195		

Limiting Factor:

Data from Caterpillar Performance Handbook for Excavator 330, Articulated Truck 730, and D6 dozer

Production will be limited by the spreading capacity of the D6 (195 cy/hr). Distance of 970 ft with a grade of 8% used to calculate cycle times.

Pro	duction: 29	7 cy/hr			
Equip. Equip. No. Count	Description	Labor \$/hr	Equipment \$/hr	Equip Maint \$/hr	Total \$/hr
1	1 Dozer D6R	\$71.31 \$71.31	\$68.94 \$68.94	\$49.64 \$49.64	\$189.8 \$189.8
24	1 Volvo A25D	\$70.56 \$70.56	\$63.19 \$63.19	\$46.14 \$46.14	\$179.9 \$179.9
5	1 Excavator ZX330LC	\$71.31 \$71.31	\$57.45 \$57.45	\$73.49 \$73.49	\$202.2 \$202.2
50	1 Foreman	\$74.36 \$74.36	\$0.00 \$0.00	\$0.00 \$0.00	\$74.3 \$74.3
36	1 Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.9 \$19.9
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
Total Hourly C	Costs	\$287.54	\$199.92	\$178.85	\$666.3
TOTAL COST	PER UNIT	\$0.97	\$0.67	\$0.60	\$2.24

Client: Project:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Es	timate				
Prepared By:	DPC	Ainato				
Date:	March 22, 2013					
Operational Analysis	Task No. Parcel	29.31 29A				
Description:	Seed, Mulch, and Fertiliz	ze				
Hydro seeding with Production Rates:	mulch and fertilizer.					
Production based or	2005 RSMeans Heavy C	onstruction Cost Data, 19	h Annual Edition.			
Crew			Cost		Seed/MSF	% of parcel
Output 8	0 MSF	Material	\$28.61	Upland	\$8.75	86
0.2	3 ac/hr	Location Factor	1.000	Wetland	\$15.01	14
		Adj. Material	\$28.61			
		Seed Total with seed	\$9.62 \$38.23 MSF			
			\$1,670 ac			
		L	. ,			

	Production:	0.2	2]ac/hr			
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipmen \$/hr	t Equip Maint \$/hr	Total \$/hr
	30 1	Farm tractor Kubota 4500	\$70.56 \$70.56	\$8.62 \$8.62	\$14.20 \$14.20	\$93.3 \$93.3
	36 1	Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.9 \$19.9
	51 1	Oper. 1	\$71.31 \$71.31	\$0.00 \$0.00	\$0.00 \$0.00	\$71.3 \$71.3
(51 1	Labor 1	\$60.53 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$60.5 \$60.5
	31 1	Hydroseeder/Mulcher	\$70.56 \$70.56	\$68.94 \$68.94	\$5.87 \$5.87	\$145.3 \$145.3
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly Costs		\$272.96	\$87.90	\$29.65	\$390.5
	TOTAL COST PER	UNIT	\$1,364.81	\$439.49	\$148.27	\$1,952.

Client: Project:	Coeur Alaska, Inc. Kensington Project Closure Reclamatior	Estimate				
Prepared By: Date:	DPC March 22, 2013					
Operational Analysis	Task No. Parcel	29.32 29A				
Description:	Silt Fencing	20.1				
Supply and install s	ilt fencing around re	claimed areas.				
Production Rates:						
Production based on	2005 RSMeans Heav	y Construction Cost Data	a, 19th Annual Edition			
) daily ′ hr/lf/man	Material Location Factor Adj. Material	Cost \$0.62 1.000 \$0.62			
Limiting Factor:	tion factor assumes	a 2 person crew and th	e RSMeans product	ion rate of 950 l	f daily	
5	Production:	119	•			
Equip. No.	Equip. Count		Labor \$/hr		Equip Maint \$/hr	Total \$/hr
61	2	Labor 1	\$121.07 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$121.07 \$60.53
36	1	Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
30	1	Farm tractor Kubota 45	\$70.56 \$70.56	\$8.62 \$8.62	\$14.20 \$14.20	\$93.38 \$93.38
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00	\$0.00	\$0.00	\$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	ı i		\$0.00	\$0.00	\$0.00	\$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00

\$0.00 \$0.00

\$0.00 \$0.00

\$0.00 \$0.00

\$191.63

\$1.61

Total Hourly Costs

TOTAL COST PER UNIT

\$0.00 \$0.00

\$0.00 \$0.00

\$0.00 \$0.00

\$23.78

\$0.20

Materials

Total

\$0.00 \$0.00

\$0.00 \$0.00

\$0.00 \$0.00

\$18.96

\$0.16

\$0.00 \$0.00

\$0.00 \$0.00

\$0.00 \$0.00

\$234.37

\$1.97

\$0.62

\$2.59

Client: Project:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate	
Prepared By: Date:	DPC March 22, 2013	
Operational Analysis	Task No. Parcel	29.40 29A

Demobilization/Freight

Description:

This task consists of freight charges to demobilize equipment, materials, and structures from the Slate Creek Cove Marine Terminal for reclamation years one through three. Items to be transported from the site include mobile equipment, misc equipment, construction materials, WTP's, and misc. salvaged buildings from the decommisioned facilities.

Freight Charges:	Capacity (ton)	Rate	Unit	Quantity	Cost]			
Landing Craft	65	\$4,	500 day		4 \$18,000				
Freight Barge 10,000sf	3,000		000 day		4 \$28,000				
Barge Standby		\$	375 hr		24 \$9,000	_			
				То	tal \$55,000	Ι			
			R1			R2		R3	
	Weight	Quantity Jualin		uantity Kensingto		Quantity Jualin	Total (tons)	Quantity Both Sites	
Dozer D8	82,000	1	41	1	41	1	41	1	41
Dozer D6	39,000	2	40	-	0	1	20	1	20
Farm Tractor	15,000	2	16	1	8	1	8	1	8
Hydroseeder	3,000	1	2	1	2	1	2	1	2
Water Truck	40,000	1	20	-	0	-	0	-	0
Fuel/Lube Truck	15,000	2	16	1	8	1	8	1	8
Pug Mill	30,000	1	15	-	0	-	0		0
Grader	55,000	2	56	1	28	1	28	1	28
Lowboy	10,000	2	10	-	0	1	5	1	5
Dump Truck (12 cy)	20,000	1	10	-	0	-	0	1	10
Loader	60,500	2	60	1	30	1	30	1	30
Cat AD30 Underground	63,658	-	0	-	0	1	32	-	0
330 Excavator	71,000	2	72	1	36	1	36	1	36
Crane	86,200	2	86	-	0	-	0	1	43
Flatbed Truck	35,000	2	36	-	0	-	0	1	18
Forklift	24,420	2	24	-	0	-	0	1	12
Pickups (3/4 ton)	8,000	4	16	1	4	2	8	2	8
Volvo A25	95,835	6	288	2	96	3	144	2	96
Misc. Equipment	40,000	2	40	1	20	1	20	1	20
WTP Equipment	50,000	-	-	-	-	2	50	-	-
Structures	40,000	1	20	-	-	-	-	2	40
Debris Assumptions:	40,000	1	20	-	-	2	40	2	40

The weight of the material is well below the capacity of the 3,000 tons barge and well above the capacity for the landing craft. Salvaged materials will include piping from the tailing slurry, reclaim water system and Slate Creek diversion. This material has a volume of 97,000 sf and would fill the 10,000 sf barge if stacked 10 feet high. Second and third trips are required to transport the machinery and a fourth trip is assumed for removal of miscellaneous debris and shipping containers. Four additional trips using a landing craft are included to transport any miscellaneous freight. The budget includes cost for the 3,000 ton barge and 6 hours for standby for each trip. This estimate assumes that all equipment and machinery is ready to load when the barge arrives and that loading can be completed in a single day. The estimate is made on a lump sum basis. The labor and equipment totals below are provided to complete the loading and provides for two and a half 12-hr days. Equipment is moved to equipment totals below.

	Production:	lump sum			
Equip. hrs No.	Description	Labor \$/hr	Equipment \$/hr	Equip Maint \$/hr	Total \$∕hr
50	30 Foreman	\$2,230.87 \$74.36	\$0.00 \$0.00	\$0.00 \$0.00	\$2,231 \$74.36
14	30 Grove RT750E Crane 50 ton	2,139 \$71.31	2,241 \$74.68	2,139 \$71.32	6,519 \$217.31
16	30 Forklift Ingersoll VR843C	\$2,139.26 \$71.31	\$551.52 \$18.38	\$778.89 \$25.96	\$3,470 \$115.66
61	60 Labor 1	\$3,631.99 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$3,632 \$60.53
51	30 Oper. 1	\$2,139.26 \$71.31	\$0.00 \$0.00	\$0.00 \$0.00	\$2,139 \$71.31
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
Subtota	Hourly Costs	12,281	\$2,792.05	\$2,918.38	\$17,991
	ourly Cost I Freight Cost	12,281	\$2,792.05	\$2,918.38	\$17,991 \$55,000 Task Total \$72,991

Client: Project: Prepared By: Date:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate DPC March 22, 2013		
Operational Analysis	Task No. Parcel	<u>31.14</u> 31	
Description:	Fold Pond Liners		

Demo. pond, liner systems. This task will include removal cutting and folding the membrane liner within the two ponds. Liners will be temporarily stored at opposite end of Parcel while regrading occurs, then they will be buried in the Parcel.

Production Rates:

Demo of the pond liners is estimated using an hourly rate. A duration of 8 hours is used for this task.

Assumptions:

An excavator will be used to excavate the liner anchor trench and aid in folding the liners. Two laborers will cut the liners and work with the excavator. Backfill over the liners is covered under Task 31.21.

Produ	uction:	/hr			
Equip. Equip. No. Count	Description	Labor \$/hr	Equipmen \$/hr	t Equip Maint \$/hr	Total \$/hr
61	2 Labor 1	\$121.07 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$121.07 \$60.53
5	1 Excavator ZX330L	C \$71.31 \$71.31	\$57.45 \$57.45	\$73.49 \$73.49	\$202.24 \$202.24
36	1 Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
Total Hourly (Costs	\$192.38	\$67.79	\$83.07	\$343.24
TOTAL COST	FPER UNIT	\$192.38	\$67.79	\$83.07	\$343.24

Client: Project: Prepared By: Date:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimat DPC March 22, 2013	ie		
Operational Analysis		31.21 31		
Description:	Grading			
	xpile area will consist of roug rk will be completed using a		reshape disturbed areas and to U blade and ripper.	redistribute native soils
	<u>Spread</u> Push Distance (ft) duction Rate (Lcy/hr) Factor oduction Rate (cy/hr)	100 950 0.66 627	Slot 1 Slope 1 Material 1 Operator 0 Eff. 0	00 20 00 00 75 67 10

The site has a disturbed area of 6.8 acres. Grading assumes a nominal depth of 1 foot of material across the site for a volume of 10,970 cy.

Limiting Factor:

Р

	Production:	6	27 cy/hr			
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipment \$/hr	t Equip Maint \$/hr	Total \$/hr
3	3 1	Dozer D8	\$71.31 \$71.31	\$97.66 \$97.66	\$94.03 \$94.03	\$263.00 \$263.00
36	δ 1	Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
50) 1	Foreman	\$74.36 \$74.36	\$0.00 \$0.00	\$0.00 \$0.00	\$74.36 \$74.36
	1]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	<u> </u>]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	<u> </u>]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	<u> </u>]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	<u> </u>]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	<u> </u>]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	<u> </u>]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	<u> </u>]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	<u> </u>]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	I]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly Costs		\$145.67	\$108.01	\$103.61	\$357
	TOTAL COST PER		\$0.23	\$0.17	\$0.17	\$0.57

Client: Project:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate							
Prepared By: Date:	DPC March 22, 2013							
Operational Analysis	Task No. 31.22 Parcel 31							
Description:	Soil Preparation							
Regraded areas wi	Regraded areas will be prepared/scarified using a D6 dozer.							
Production Rates:								
<u>Tillage Ra</u> Velocity Tool Width Productior	1 mph 10 ft							

Production will be limited by the ripping rate for the D6 Dozer.

Equip. Equip. No. Count	Description	Labor \$/hr	Equipment \$/hr	t Equip Maint \$/hr	Total \$/hr
1	1 Dozer D6R	\$71.31 \$71.31	\$68.94 \$68.94	\$49.64 \$49.64	\$189.89 \$189.89
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
Total Hourly	Costs	\$71.31	\$68.94	\$49.64	\$189.89

Client: Project:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate				
Prepared By: Date:	DPC March 22, 2013				
Operational Analysi					
Description:	Seed, Mulch, and Fertilize				
Hydro seeding with mulch and fertilizer.					
Production Rates:					

Production based on 2005 RSMeans Heavy Construction Cost Data, 19th Annual Edition.

Crew			Cost		Seed/MSF	
Output	80 MSF	Material	\$28.61	Upland	\$8.75	0
	0.23 ac/hr	Location Factor	1.000	Wetland	\$15.01	100
		Adj. Material	\$28.61			
		Seed	\$15.01			
		Total with seed	\$43.62 MSF			
			\$1,900 ac			

Limiting Factor:

Р

	Production:	0.2	ac/hr			
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipmen \$/hr	t Equip Maint \$/hr	Total \$/hr
30	1	Farm tractor Kubota 45	\$70.56 \$70.56	\$8.62 \$8.62	\$14.20 \$14.20	\$93. \$93.
36	1	Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19. \$19.
51	1	Oper. 1	\$71.31 \$71.31	\$0.00 \$0.00	\$0.00 \$0.00	\$71. \$71.
61	1	Labor 1	\$60.53 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$60. \$60.
31	1	Hydroseeder/Mulcher	\$70.56 \$70.56	\$68.94 \$68.94	\$5.87 \$5.87	\$145 \$145
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
	Total Hourly Costs		\$272.96	\$87.90	\$29.65	\$390

Total \$3,900.00

Client: Project:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate	
Prepared By:	DPC	
Date:	March 22, 2013	
Operational Analysis	Task No. 31.32 Parcel 31	
Description:	Silt Fencing	
Supply and install s	ilt fencing around reclaimed areas.	

Production Rates:

Production based on 2005 RSMeans Heavy Construction Cost Data, 19th Annual Edition.

Crew			Cost
Output	950 daily	Material	\$0.62
-	0.017 hr/lf/man	Location Factor	1.000
		Adj. Material	\$0.62

	Production:	119	lf/hr			
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipment \$/hr	t Equip Maint \$/hr	Total \$/hr
(61 2	Labor 1	\$121.07 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$121.0 \$60.53
(36 1	Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
ę	80 1	Farm tractor Kubota 4	\$70.56 \$70.56	\$8.62 \$8.62	\$14.20 \$14.20	\$93.38 \$93.38
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly Costs		\$191.63	\$18.96	\$23.78	\$234.3
	TOTAL COST PER	UNIT	\$1.61	\$0.16	\$0.20	\$1.97
					Materials Total	\$0.62 \$2.59

Client: Project:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate		
Prepared By: Date:	DPC March 22, 2013		
Operational Analy	ysis Task No. Parcel	32.21 32	
Description:	Grading		
	ill be completed using a D8 Dozer e		shape disturbed areas and to redistribute native soils across nd ripper.
Effect	<u>Spread</u> Push Distance (ft) Production Rate (Lcy/hr) Efficiency tive Production Rate (cy/hr)	100 950 0.66 627	Production FactorsUnit Wt2,100Slot1.20Slope1.00Material1.00Operator0.75Eff.0.67Wt1.10

	Produc	Production: 627 cy/hr							
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipment \$/hr	Equip Maint \$/hr	Total \$/hr			
	3	1 Dozer D8	\$71.31 \$71.31	\$97.66 \$97.66	\$94.03 \$94.03	\$263.0 \$263.0			
3	6	1 Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92			
5	0	1 Foreman	\$74.36 \$74.36	\$0.00 \$0.00	\$0.00 \$0.00	\$74.36 \$74.36			
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00			
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00			
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00			
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00			
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00			
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00			
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00			
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00			
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00			
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00			
	Total Hourly Cost	s	\$145.67	\$108.01	\$103.61	\$357			
	TOTAL COST PE	R UNIT	\$0.23	\$0.17	\$0.17	\$0.57			

Client: Project:	Coeur Alaska, Inc. Kensington Project			
Prepared By: Date:	Closure Reclamation Estimate DPC March 22, 2013			
Operational Analys	sis Task No. 32.22 Parcel 32			
Description:	Load, Haul and Spread Topsoil			
Load haul and sp	read topsoil from Parcel 31. A nominal topsoil de	pth of 12 inches is	s used.	
Production Rates	:: <u>Haul Units</u>		<u>Loading</u>	
	Haul Distance (mi.) Load Time (min) Full Travel Time (min) Empty Travel Time (min) Cycle Time (min)	1.05 2.40 7.6 3.5 13.50	Haul Distance (ft.) Bucket Capacity (cy) Full Travel Time (min) Empty Travel Time (min) Cycle Time (min)	20 7 0.08 0.06 0.14
Production FactorsUnit Wt1,60Slot1.0Slope1.0Material1.2	s Unit Capacity (cy) 0 Efficiency 0 Unit Rate (cy/hr) 0	17 0.8 60.4	Cycles/Haul Unit Cycles/Haul Unit Efficiency Load Time/Unit (min) Units Loaded/hr Max Production (cy/hr)	0.14 2 0.8 0.4 171 2,907
Operator 0.7 Eff. 0.5 Wt 1.4	0 Push Distance (ft)	100 950 0.65 615	Haul Units Total Haul Capacity (cy/hr)	4.0 242
Limiting Factor:		rmance Handbook fe	or Loader 980H, Articulated Truck 730, and D6 o	dozer.

Production will be limited by the spreading capacity of the D6 (242 cy/hr). The dozer can support 1 dump truck with an estimated hauling capacitu of 118 cy/hr. 4% downgrade (loaded) between Parcel 31 and 22, 9% upgrade (loaded) to Parcel 32.

	Production: 2	42 cy/hr		
Equip. Equip. No. Count	Description	Labor \$/hr	Equipment Equip Maint \$/hr \$/hr	Total \$/hr
3	1 Dozer D8	\$71.31 \$71.31	\$97.66 \$94.03 \$97.66 \$94.03	\$263.00 \$263.00
24	3 Volvo A25D	\$211.68 \$70.56	\$189.58 \$138.43 \$63.19 \$46.14	\$539.69 \$179.90
11	1 Loader L220E	\$71.31 \$71.31	\$68.94 \$72.54 \$68.94 \$72.54	\$212.79 \$212.79
36	1 Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$9.58 \$10.34 \$9.58	\$19.92 \$19.92
		\$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00
Total Hor	urly Costs	\$354.30	\$366.53 \$314.58	\$1,035
TOTAL C	COST PER UNIT	\$1.46	\$1.51 \$1.30	\$4.28

Client: Project:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate	
Prepared By: Date:	DPC March 22, 2013	
Operational Analysis	sis Task No. <u>32.23</u> Parcel <u>32</u>	
Description:	Soil Preparation	
Regraded areas wil	vill be Prepared/scarified using a D6 dozer.	
Production Rates:	:	
<u>Tillage Rat</u> Velocity		
Tool Width		
Production Efficiency		
Effective Production		

	Prod	duction:	1.0 ac/hr			
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipment \$/hr	t Equip Maint \$/hr	Total \$/hr
	1	1 Dozer D6R	\$71.31 \$71.31	\$68.94 \$68.94	\$49.64 \$49.64	\$189.8 \$189.8
	<u> </u>		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	<u> </u>		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	<u> </u>		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	<u> </u>		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	1		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	1		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	1		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	1		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly C	Costs	\$71.31	\$68.94	\$49.64	\$189.8
	TOTAL COST		\$73.54	\$71.09	\$51.19	\$195.8

Client: Project: Prepared By:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Es DPC	timate				
Date:	March 22, 2013					
Operational Ana	alysis Task No. Parcel	32.31 32				
Description:	Seed, Mulch, and Fertilia	ze				
Hydro seeding	with mulch and fertilizer.					
Production Rat	tes:					
Production base	ed on 2005 RSMeans Heavy (Construction Cost Data, 19	9th Annual Edition.			
Crew			Cost		Seed/MSF	
Output	80 MSF	Material	\$28.61	Upland	\$8.75	37
	0.23 ac/hr	Location Factor	1.000	Wetland	\$15.01	63
		Adj. Material	\$28.61			
		Seed Total with seed	\$12.70 \$41.30 MSF			
		i otal with seed	\$1,800 ac			
			φ1,000 d0			

	Productio	n:0	2 ac/hr			
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipmen \$/hr	t Equip Maint \$/hr	Total \$/hr
30	D	1 Farm tractor Kubota 4500	0 \$70.56 \$70.56	\$8.62 \$8.62	\$14.20 \$14.20	\$93.3 \$93.3
36	6	1 Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.9 \$19.9
5	1	1 Oper. 1	\$71.31 \$71.31	\$0.00 \$0.00	\$0.00 \$0.00	\$71.3 \$71.3
6	1	1 Labor 1	\$60.53 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$60.5 \$60.5
3	1	1 Hydroseeder/Mulcher	\$70.56 \$70.56	\$68.94 \$68.94	\$5.87 \$5.87	\$145.3 \$145.3
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly Cost	s	\$272.96	\$87.90	\$29.65	\$390.9
	TOTAL COST PE	RUNIT	\$1,364.81	\$439.49	\$148.27	\$1,952

Total \$3,800.00

Client: Project:	Coeur Alaska, Inc. Kensington Project			
	Closure Reclamation Estimat	е		
Prepared By:	DPC			
Date:	March 22, 2013			
Operational Analysi	s Task No. Parcel	<u>32.32</u> 32		
Description:	Silt Fencing			
Supply and install	silt fencing around reclaimed	areas.		
Production Rates:				
Production based o	n 2005 RSMeans Heavy Constr	uction Cost Data, 19th	Annual Edition.	
Crew			Cost	
	0 daily	Material	\$0.62	
0.01	7 hr/lf/man	Location Factor	1.000	
		Adj. Material	\$0.62	

Material Location Factor Adj. Material

	Production:	119	lf/hr			
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipment \$/hr	Equip Maint \$/hr	Total \$/hr
6	1 2	Labor 1	\$121.07 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$121. \$60.5
3	6 1	Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.9 \$19.9
3	0 1	Farm tractor Kubota 4500	\$70.56 \$70.56	\$8.62 \$8.62	\$14.20 \$14.20	\$93.3 \$93.3
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
	Total Hourly Costs		\$191.63	\$18.96	\$23.78	\$234.
	TOTAL COST PER		\$1.61	\$0.16	\$0.20	\$1.9

Regraded areas wil	be Prepared/scarifie
Description:	Soil Preparation
Operational Analysis	Task No. Parcel
Client: Project: Prepared By: Date:	Coeur Alaska, Inc. Kensington Project Closure Reclamation B DPC March 22, 2013

Production Rates:

Tillage Rate	
Velocity	1 mph
Tool Width	10 ft
Production	1.2 ac/hr
Efficiency	0.8
Effective Production	1.0

Limiting Factor:

	Pro	duction:	1.0 ac/hr		
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipmer \$/hr	t Equip Main \$/hr
	1	1 Dozer D6R	\$71.31 \$71.31	\$68.94 \$68.94	\$49.64 \$49.64
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00

TOTAL COST PER UNIT	\$73.54	\$71.09	\$51.19	\$195.82
Total Hourly Costs	\$71.31	\$68.94	\$49.64	\$189.89
	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00

Total \$/hr

\$189.89 \$189.89

Client: Project:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate
Prepared By: Date:	DPC March 22, 2013
Operational Analysis	a Task No. 33.21 Parcel 37
Description:	Grading
	pile area will consist of rough grading using a dozer to reshape disturbed areas and to redistribute native soils rk will be completed using a D8 Dozer equipped with a U blade and ripper.
Production Rates:	
	Spread
Pr	Push Distance (ft) 100 oduction Rate (Lcy/hr) 850 Efficiency 0.5

	I	Production:	425 cy/hr		
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipment \$/hr	t Equip Mair \$/hr
	3	1 Dozer D8	\$71.31 \$71.31	\$97.66 \$97.66	\$94.03 \$94.03
	36	1 Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58
	50	1 Foreman	\$74.36 \$74.36	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00

TOTAL COST PER UNIT	\$0.34	\$0.25	\$0.24	\$0.84
Total Hourly Costs	\$145.67	\$108.01	\$103.61	\$357
1	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00
I	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00	
	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00

Total \$/hr

> \$263.00 \$263.00

\$19.92 \$19.92

\$74.36 \$74.36

> \$0.00 \$0.00

Client: Project: Prepared By: Date:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate DPC March 22, 2013
Operational Analysis	Task No. 33.31 Parcel 37
Description:	Seed, Mulch, and Fertilize
Hydro seeding with	mulch and fertilizer.
Production Rates:	
Production based on	2005 RSMeans Heavy Construction Cost Data, 19th Annual Edition.

Crew Output	80 MSF 0.23 ac/hr	Material Location Factor Adj. Material Seed Total with seed	Cost \$28.61 1.000 \$28.61 \$8.75 \$37.35 MSF \$1.630]ac	Upland Wetland	Seed/MSF \$8.75 \$15.01	100 0
			\$1,630 ac			

	Production:	0.2	ac/hr			
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipmen \$/hr	t Equip Maint \$/hr	Total \$/hr
3	0 1	Farm tractor Kubota 45	\$70.56 \$70.56	\$8.62 \$8.62	\$14.20 \$14.20	\$93.3 \$93.3
3	6 1	Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.9 \$19.9
5	1 1	Oper. 1	\$71.31 \$71.31	\$0.00 \$0.00	\$0.00 \$0.00	\$71.3 \$71.3
6	1	Labor 1	\$60.53 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$60.5 \$60.5
3	1 1	Hydroseeder/Mulcher	\$70.56 \$70.56	\$68.94 \$68.94	\$5.87 \$5.87	\$145.3 \$145.3
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
		l	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
	Total Hourly Costs		\$272.96	\$87.90	\$29.65	\$390.4

Total \$3,600.00

Client: Project:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate
Prepared By:	DPC March 22, 2013
Operational Analysis	Task No. 33.32 Parcel 37
Description:	Silt Fencing
Supply and install s	ilt fencing around reclaimed areas.

Production Rates:

Production based on 2005 RSMeans Heavy Construction Cost Data, 19th Annual Edition.

Crew			Cost
Output	950 daily	Material	\$0.62
-	0.017 hr/lf/man	Location Factor	1.000
		Adj. Material	\$0.62

Limiting Factor:

Т

Pi	roduction:	119 lf/hr			
Equip. Equip. No. Count	Description	Labor \$/hr	Equipmen \$/hr	t Equip Maint \$/hr	Total \$/hr
61	2 Labor 1	\$121.07 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$121. \$60.5
36	1 Pickup Truck	4x4 \$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.9 \$19.9
30	1 Farm tractor k	Kubota 4t \$70.56 \$70.56	\$8.62 \$8.62	\$14.20 \$14.20	\$93.3 \$93.3
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
Total Hourly	y Costs	\$191.63	\$18.96	\$23.78	\$234.
	ST PER UNIT	\$1.61	\$0.16	\$0.20	\$1.9

Client: Project:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate	
Prepared By: Date:	DPC March 22, 2013	
Operational Analysis	Task No. 34.14 Parcel 34	
Description:	Fold Pond Liners	
Demo. pond liner sy	stems. This task will include removal cutting and folding the membrane liner within the two ponds.	

Production Rates:

Demo of the pond liners is estimated using an hourly rate. A duration of 8 hours is used for this task.

Assumptions:

An excavator will be used to excavate the liner anchor trench and aid in folding the liners. Two laborers will cut the liners and work with the excavator. Backfill over the liners is covered under Task 34.21.

Prod	duction:	1 /hr			
Equip. Equip. No. Count	Description	Labor \$/hr		Equip Maint \$/hr	Total \$/hr
61	2 Labor 1	\$121.07 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$121.07 \$60.53
5	1 Excavator ZX330LC	\$71.31 \$71.31	\$57.45 \$57.45	\$73.49 \$73.49	\$202.24 \$202.24
36	1 Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
Total Hourly	Costs	\$192.38	\$67.79	\$83.07	\$343.24
TOTAL COS	ST PER UNIT	\$192.38	\$67.79	\$83.07	\$343.24

Client: Project:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate				
Prepared By: Date:	DPC March 22, 2013				
Operational Analysis	Task No. Parcel	34.21 34			
Description:	Grading				
	bile area will consist of rough gr e completed using a D8 Dozer e		-	to redistribute nati	ve soils across
Production Rates:					
	<u>Spread</u> Push Distance (ft) roduction Rate (Lcy/hr) Factor Production Rate (cy/hr)	100 950 0.49 468	Production Fac Unit Wt Slot Slope Material Operator Eff. Wt	2,100 1.20 1.00 1.00 0.75 0.50 1.10	

	Production	on: 4	68 cy/hr			
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipment \$/hr	Equip Maint \$/hr	Total \$/hr
	3	1 Dozer D8	\$71.31 \$71.31	\$97.66 \$97.66	\$94.03 \$94.03	\$263.0 \$263.0
3	6	1 Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
5	0	1 Foreman	\$74.36 \$74.36	\$0.00 \$0.00	\$0.00 \$0.00	\$74.3 \$74.3
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly Costs		\$145.67	\$108.01	\$103.61	\$357
	TOTAL COST PER		\$0.31	\$0.23	\$0.22	\$0.76

Client: Project:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate
Prepared By: Date:	DPC March 22, 2013
Operational Analysis	Task No. 34.23 Parcel 34
Description:	Soil Preparation
Regraded areas wil	l be Prepared/scarified using a D6 dozer.
Production Rates:	

Limiting	Factor:

	Productio	n:	1.0 ac/hr			
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipment \$/hr	t Equip Maint \$/hr	Total \$/hr
	1	1 Dozer D6R	\$71.31 \$71.31	\$68.94 \$68.94	\$49.64 \$49.64	\$189.89 \$189.89
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly Cost	8	\$71.31	\$68.94	\$49.64	\$189.8
	TOTAL COST PE		\$73.54	\$71.09	\$51.19	\$195.8

Client: Project: Prepared By:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estin DPC	mate				
Date:	March 22, 2013					
Operational Anal	lysis Task No. Parcel	34.31 34				
Description:	Seed, Mulch, and Fertilize	•				
Hydro seeding [,]	with mulch and fertilizer.					
Production Rate	es:					
Production base	d on 2005 RSMeans Heavy Co	onstruction Cost Data, 19	th Annual Edition.			
Crew			Cost		Seed/MSF	
Output	80 MSF	Material	\$28.61	Upland	\$8.75	100
0).23 ac/hr	Location Factor	1.000	Wetland	\$15.01	0
		Adj. Material Seed	\$28.61 \$9.75			
		Total with seed	\$8.75 \$37.35 MSF			
			φοιου υ ι			

Pro	duction:	0.2 ac/hr			
Equip. Equip. No. Count	Description	Labor \$/hr	Equipmen \$/hr	t Equip Maint \$/hr	Total \$/hr
30	1 Farm tractor Kubot	ta 4500 \$70.56 \$70.56	\$8.62 \$8.62	\$14.20 \$14.20	\$93 \$93
36	1 Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19 \$19
51	1 Oper. 1	\$71.31 \$71.31	\$0.00 \$0.00	\$0.00 \$0.00	\$71 \$71
61	1 Labor 1	\$60.53 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$60 \$60
31	1 Hydroseeder/Mulcl	her \$70.56 \$70.56	\$68.94 \$68.94	\$5.87 \$5.87	\$145 \$145
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0. \$0.
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0. \$0.
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0. \$0.
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0. \$0.
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0. \$0.
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0. \$0.
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0. \$0.
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0. \$0.
Total Hourly	y Costs	\$272.96	\$87.90	\$29.65	\$390

Client:	Coeur Alaska, Inc.
Project:	Kensington Project
	Closure Reclamation Estimate
Prepared By:	DPC
Date:	March 22, 2013
Operational Analysis	Task No. 34.32 Parcel 34
Description:	Silt Fencing
Supply and install s	ilt fencing around reclaimed areas.
Production Rates:	

 $\label{eq:production} Production \ based \ on \ 2005 \ RSMeans \ Heavy \ Construction \ Cost \ Data, \ 19th \ Annual \ Edition.$

Crew Output	950 daily 0.017 hr/lf/man	Material Location Factor Adj. Material	Cost \$0.62 1.000 \$0.62
		,	

	Production:	119	lf/hr			
Equip. No.	Equip. Count D	escription	Labor \$/hr	Equipment \$/hr	t Equip Maint \$/hr	Total \$/hr
(61 2	Labor 1	\$121.07 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$121.0 \$60.53
	36 1	Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
	30 1	Farm tractor Kubota 48	\$70.56 \$70.56	\$8.62 \$8.62	\$14.20 \$14.20	\$93.3 \$93.3
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly Costs		\$191.63	\$18.96	\$23.78	\$234.3
	TOTAL COST PER U	JNIT	\$1.61	\$0.16	\$0.20	\$1.97
					Materials Total	\$0.62 \$2.59

Client: Project:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimat	e	
Prepared By:	DPC		
Date:	March 22, 2013		
Operational Analy	ysis Task No. Parcel	36.21 36	
Description:	Grading		
	Work will be completed using a		o reshape disturbed areas and to redistribute native soils I U blade and ripper.
	<u>Spread</u> Push Distance (ft) Production Rate (Lcy/hr) Factor Production Rate (cy/hr)	100 950 0.49 468	Production FactorsUnit Wt2,100Slot1.20Slope1.00Material1.00Operator0.75Eff.0.50Wt1.10

	Production:	4	68 cy/hr			
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipmen \$/hr	t Equip Maint \$/hr	Total \$/hr
	3 1	Dozer D8	\$71.31 \$71.31	\$97.66 \$97.66	\$94.03 \$94.03	\$263.0 \$263.0
3	6 1	Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
5	0 1	Foreman	\$74.36 \$74.36	\$0.00 \$0.00	\$0.00 \$0.00	\$74.36 \$74.36
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly Costs		\$145.67	\$108.01	\$103.61	\$357
	TOTAL COST PER		\$0.31	\$0.23	\$0.22	\$0.76

Client: Project:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate
Prepared By: Date:	DPC March 22, 2013
Operational Analysis	a Task No. <u>36.23</u> Parcel <u>36</u>
Description:	Soil Preparation
Regraded areas wil	l be Prepared/scarified using a D6 dozer.
Production Rates:	
<u>Tillage Rat</u> Velocity Tool Width Production Efficiency	1 mph 10 ft

	Production:		1.0 ac/hr			
Equip. No.	Equip. Count D	escription	Labor \$/hr	Equipment \$/hr	Equip Maint \$/hr	Total \$/hr
	1 1	Dozer D6R	\$71.31 \$71.31	\$68.94 \$68.94	\$49.64 \$49.64	\$189.89 \$189.89
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly Costs		\$71.31	\$68.94	\$49.64	\$189.8
	TOTAL COST PER UN	ΙΙΤ	\$73.54	\$71.09	\$51.19	\$195.8

Client: Project:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate
Prepared By:	DPC
Date:	March 22, 2013
Operational Analysis	s Task No. <u>36.31</u> Parcel <u>36</u>
Description:	Seed, Mulch, and Fertilize
Hydro seeding witl	h mulch and fertilizer.
Production Rates:	

Production based on 2005 RSMeans Heavy Construction Cost Data, 19th Annual Edition.

Crew Output	80 MSF 0.23 ac/hr	Material Location Factor Adj. Material Seed Total with seed	Cost \$28.61 1.000 \$28.61 \$15.01 \$43.62 MSF \$1.900[ac	Upland Wetland	Seed/MSF \$8.75 \$15.01	0 100
			\$1,900 ac			

Limiting Factor:

Р

	Production	: 0.2	ac/hr			
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipmen \$/hr	t Equip Maint \$/hr	Total \$/hr
3	0 1	Farm tractor Kubota 450	\$70.56 \$70.56	\$8.62 \$8.62	\$14.20 \$14.20	\$93. \$93.
3	6	Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19. \$19.
5	1] 1	Oper. 1	\$71.31 \$71.31	\$0.00 \$0.00	\$0.00 \$0.00	\$71. \$71.
6	1 1	Labor 1	\$60.53 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$60. \$60.
3	1 1	Hydroseeder/Mulcher	\$70.56 \$70.56	\$68.94 \$68.94	\$5.87 \$5.87	\$145 \$145
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
		3	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 \$0.0
	Total Hourly Costs	6	\$272.96	\$87.90	\$29.65	\$390

Total \$3,900.00

Client: Project:	Coeur Alaska, Inc. Kensington Project Closure Reclamation E	Estimate		
Prepared By: Date:	DPC March 22, 2013			
Operational Analysis	Task No. Parcel	<u>36.32</u> 36		
Description:	Silt Fencing			
Supply and install s	ilt fencing around rec	laimed areas.		

Production Rates:

Production based on 2005 RSMeans Heavy Construction Cost Data, 19th Annual Edition.

Crew Output	950 daily 0.017 hr/lf/man	Material Location Factor Adj. Material	Cost \$0.62 1.000 \$0.62
		-	

	Production: 119	lf/hr			
Equip. Equip. No. Count	Description	Labor \$/hr	Equipmen \$/hr	t Equip Maint \$/hr	Total \$/hr
61	2 Labor 1	\$121.07 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$121.07 \$60.53
36	1 Pickup Truck 4x4	\$0.00 \$0.00	\$10.34 \$10.34	\$9.58 \$9.58	\$19.92 \$19.92
30	1 Farm tractor Kubota 4	\$70.56 \$70.56	\$8.62 \$8.62	\$14.20 \$14.20	\$93.38 \$93.38
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
Total Ho	ourly Costs	\$191.63	\$18.96	\$23.78	\$234.37
TOTAL	COST PER UNIT	\$1.61	\$0.16	\$0.20	\$1.97

Client: Project:	Coeur Alaska, Inc. Kensington Project Closure Reclamation Estimate							
Prepared By: Date:	DPC March 22, 2013							
Operational Analysi	s Task No. 38.12 Parcel 38							
Description:	Remove Land Application Piping							
Remove the HDPE land application tubing from Parcel 38.								
Production Rates:								

Each laborer can roll and stack 750 lf of tubing per hour

The quanity of tubing assumes 20 ft centers over an area of 15.8 acres (approximaely 36,800 lf).

Limiting Factor:

The piping will be cut into 250 ft sections, the sections will be hand rolled loaded on a flatbed truck and hauled to the marine facility Laydown area for salvage. Three laborers will be used to cut, roll and load the pipe. A single flatbed truck will be used to haul the pipe. A production rate of 2250 lf/hour includes cutting, rolling and loading. The foreman will deliver the loaded truck to the laydown area.

	Production:	2250	lf/hr			
Equip. No.	Equip. Count	Description	Labor \$/hr	Equipment \$/hr	Equip Maint \$/hr	Total \$/hr
5	0 1	Foreman	\$74.36 \$74.36	\$0.00 \$0.00	\$0.00 \$0.00	\$74.36 \$74.36
6	1 3	Labor 1	\$181.60 \$60.53	\$0.00 \$0.00	\$0.00 \$0.00	\$181.60 \$60.53
2	2 1	Flatbed Truck 45000 lbs	\$70.56 \$70.56	\$25.85 \$25.85	\$37.84 \$37.84	\$134.25 \$134.25
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
]	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
	Total Hourly Costs		\$326.52	\$25.85	\$37.84	\$390.22
TOTAL COST PER UNIT		NIT	\$0.15	\$0.01	\$0.02	\$0.17