

Format Version:	SRCE Data File v2.0
File Name:	Copper_Flat_CDF_191000_060_FNL_Rev01_20181207_ft.xlsm
Date:	December 2018
Cost Type:	User Data
Author/Source:	SRK Consulting and NMCC

Units of Measure:	Imperial
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No. of Bases/Regions:	3
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Basis/Region	Basis/Region Name	Basis/Region Description
Basis 1	<i>Copper Flat FA</i>	
Basis 2		
Basis 3		
Basis 4		
Basis 5		
Basis 6	<i>Copper Flat internal</i>	Labor and equipment rates from "MajorEquipmentOperatingCost_22Jun18_V3.pdf" as applicable; else, Basis 1
Basis 7		
Basis 8		
Basis 9		
Basis 10		
Basis 11		
Basis 12		
Basis 13		
Basis 14		
Basis 15	<i>NNV Imperial</i>	For reference

Equipment Costs

File Name:	Copper_Flat_CDF_191000_060_FNL_Rev1
Date:	December 2018
Cost Basis:	User Data
Author/Source:	SRK Consulting and NMCC

	Basis 1	Basis 2	Basis 3	Basis 4	Basis 5
Monthly Rental Basis (operating hrs/ period)	176				
Wet Rate?	No				

MONTHLY EQUIPMENT RATE TABLE [Cost Per Month] ⁽¹⁾

EQUIPMENT TYPE ⁽²⁾	Basis 1	Basis 2	Basis 3	Basis 4	Basis 5
	Copper Flat FA				
Bulldozers					
D6T	6,570	Cat D6K2XL Dozer; SRK Consulting Equipm		6,570	
D6R w/ Winch	6,570	Assume same as D6T		6,570	
D7E	18,300	D7; SRK.TH.05.04.18.xlsx		18,300	
D8T	20,180	D8; SRK.TH.05.04.18.xlsx		20,180	
D9T	30,100	D9; SRK.TH.05.04.18.xlsx		30,100	
D10T2	44,500	D10; SRK.TH.05.04.18.xlsx		44,500	
D11T	56,234	Copper Flats - Blue Book Equipment Rates.x		56,234	
Wheeled Dozers					
824K	19,849	Copper Flats - Blue B; Cat 824H		19,849	
834K	24,929	Copper Flats - Blue Book Equipment Rates.x		24,929	
844K	33,734	Copper Flats - Blue B; Cat 844H		33,734	
854K	33,802	Copper Flats - Blue B; Cat 854G		33,802	
Motor Graders					
12M2	8,670	Cat 120M2 Motor Grader; SRK Consulting E		8,670	
14M	14,790	14M; SRK.TH.05.04.18.xlsx		14,790	
16M3	18,806	Copper Flats - Blue Book Equipment Rates.x		18,806	
24M	20,686	x1.1 neighbor		20,686	
Track Excavators					
312F	5,610	Cat 312EL Excavator; SRK Consulting Equip		5,610	
320F	7,750	Cat 320EL Excavator; SRK Consulting Equip		7,750	
325F	10,750	329; SRK.TH.05.04.18.xlsx		10,750	
330F	11,500	336; SRK.TH.05.04.18.xlsx		11,500	
349F	16,730	349; SRK.TH.05.04.18.xlsx		16,730	
374F	23,119	Copper Flats - Blue B; Cat 374D L		23,119	
390F	28,472	Copper Flats - Blue B; Cat 390D L		28,472	
Scrapers					
631K	27,700	631; SRK.TH.05.04.18.xlsx		27,700	
637K	36,819	Copper Flats - Blue B; Cat 637G		36,819	
Wheeled Loaders					
926M	5,610	Cat 924K Loader; SRK Consulting Equipmer		5,610	
930M	6,530	Cat 930M Loader; SRK Consulting Equipmer		6,530	
950M	9,520	950; SRK.TH.05.04.18.xlsx		9,520	
966M	11,500	average		11,500	
972M	13,480	972; SRK.TH.05.04.18.xlsx		13,480	
980M	15,690	980; SRK.TH.05.04.18.xlsx		15,690	
988K	19,589	Copper Flats - Blue Book Equipment Rates.x		19,589	
990K	28,299	Copper Flats - Blue Book Equipment Rates.x		28,299	
992K	41,068	CF Mob Rate 11 18.xlsx		41,068	
994K	45,175	x1.1 neighbor		45,175	
L2350	82,607	Copper Flats - Blue Book Equipment Rates.x		82,607	
Shovels/Excavators					
PC2000	70,917	Copper Flats - Blue B; EX1900		70,917	
PC3000	72,526	average		72,526	
PC4000	74,135	Copper Flats - Blue B; EX3600		74,135	
PC5500	81,548	x1.1 neighbor		81,548	
PC8000	89,703	x1.1 neighbor		89,703	
EX2500	87,877	Copper Flats - Blue B; EX2500-6		87,877	
Hydraulic Hammers					
H120Es (fits 325)	3,420	Copper Flats - Blue Book Equipment Rates.x		3,420	
H160Es (fits 349)	7,028	Copper Flats - Blue Book Equipment Rates.x		7,028	
H180Es (fits 374/390)	8,168	Copper Flats - Blue Book Equipment Rates.x		8,168	
Demolition Shears					
S3050 (fits 320/325/330)	3,524	Copper Flats - Blue B; BTI SH310R		3,524	
S3070 (fits 330/349)	4,131	Copper Flats - Blue B; BTI SH410R		4,131	
S3090 (fits 374/390)	6,593	Copper Flats - Blue B; BTI SH700R		6,593	
Demolition Grapples					
G315B (fits 320/325)					
G320B (fits 325/330)					
G330 (fits 349/374)					

Equipment Costs

File Name:	Copper_Flat_CDF_191000_060_FNL_Rev1
Date:	December 2018
Cost Basis:	User Data
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	Basis 1	Basis 2	Basis 3	Basis 4	Basis 5
Monthly Rental Basis (operating hrs/ period)	176				
Wet Rate?	No				

Other Equipment					
420F2	3,240	Cat 420F 4WD Backhoe; SRK Consulting Ed		3,240	
430F2	3,870	Cat 430F 4WD Ext Backhoe; SRK Consulting		3,870	
CS54B	4,402	Copper Flats - Blue Book Equipment Rates.x		4,402	
CS64B	4,291	Copper Flats - Blue B Amann AC110		4,291	
CP54B	4,085	Copper Flats - Blue B Bomag BW211 PD-5		4,085	
CP68B	6,588	Copper Flats - Blue B Bomag BW213 PDH-4		6,588	
Light Truck - 1.5 Ton	2,184	Copper Flats - Blue B Single Axle Lube Truc		2,184	
Supervisor's Truck	834	Copper Flats - Blue B 3/4 Ton 4x4		834	
Flatbed Truck	621	Copper Flats - Blue B On-Highway Flatbed T		621	
Air Compressor + tools	597	Copper Flats - Blue B 185 CFM Diesel Air C		597	
Welding Equipment	405	Copper Flats - Blue B 4 Pack Welding Syste		405	
Heavy Duty Drill Rig	52,018	Copper Flats - Blue B IR DMM3		52,018	
Pump (plugging) Drill Rig	52,018	assume same as heavy duty drill rig		52,018	
Concrete Pump	14,864	p. 540 of RSMeans 2018 - 01 54 33 10 2120		14,864	
Gas Engine Vibrator	357	Copper Flats - Blue B Hand Held Vibratory F		357	
Generator 5KW	938	Copper Flats - Blue B Small Generator Set (938	
HDEP Welder (pipe or liner)	7,023	p. 544 of RSMeans 2018 - 01 54 33 40 1690		7,023	
5 Ton Crane	7,160	x0.9 neighbor		7,160	
20 Ton Crane	7,955	Copper Flats - Blue B Tadan GR-150XL-1 (1		7,955	
50 Ton Crane	15,154	Copper Flats - Blue B Grove TMS700E		15,154	
120 Ton Crane	28,943	Copper Flats - Blue B Grove GMK5120B		28,943	

Trucks					
725C	10,824	Copper Flats - Blue B Cat 725, model not sp		10,824	
730C	14,640	SRK CONSULT QUOTE.pdf		14,640	
735C	16,730	average		16,730	
740C	18,820	SRK CONSULT QUOTE.pdf		18,820	
770G	15,155	Copper Flats - Blue Book Equipment Rates.x		15,155	
773G	18,267	Copper Flats - Blue Book Equipment Rates.x		18,267	
777G	37,226	CF Mob Rate 11 18.xlsx		37,226	
785D	40,948	x1.1 neighbor		40,948	
789D	45,043	x1.1 neighbor		45,043	
793F	49,547	x1.1 neighbor		49,547	
797F	89,160	Copper Flats - Blue Book Equipment Rates.x		89,160	
613E (5,000 gal)	8,726	Copper Flats - Blue B Used Cat 613E scrape		8,726	
621E (8,000 gal)	10,006	Copper Flats - Blue B Used Cat 621E scrape		10,006	
777D H2O Truck	37,226	Copper Flats - Blue B Used Cat 777 haul tru		37,226	
785C H2O Truck	40,948	x1.1 neighbor	Blue Book not availab	40,948	
Dump Truck (10-12 yd3)	3,752	Copper Flats - Blue B 10 CY Dump Truck		3,752	
Tractor/Trailer (20 ton)	5,259	Copper Flats - Blue B 25 ton tractor & trailer		5,259.00	
Tractor/Trailer (50 ton)	10,863	Copper Flats - Blue B 45 ton tractor & trailer		10,863.00	
Tractor/Trailer (80 ton)	27,097	Copper Flats - Blue B 75 ton trailer & Cat 77		27,097.00	

NOTES:					
(1) Power Equipment Source:					
(2) Power Equipment Type:	equivalent, LeTourneau	equivalent, LeTourneau	equivalent, LeTourneau	equivalent, LeTourneau	equivalent, LeTourneau
(3) Drilling Equipment Source:					
(4) Other Equipment Source:					

Equipment Costs

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	Basis 1	Basis 2	Basis 3	Basis 4	Basis 5
Monthly Rental Basis (operating hrs/ period)	176				
Wet Rate?	No				

PREVENTATIVE MAINTENANCE COST [Cost Per Hour] ⁽¹⁾

EQUIPMENT TYPE	Basis 1	Basis 2	Basis 3	Basis 4	Basis 5
	Copper Flat FA				
Bulldozers					
D6T	34.60	Copper Flats - Blue Book Equipment Rates.xlsx			
D6R w/ Winch	34.60	Copper Flats - Blue Book Equipment Rates.xlsx			
D7E	2.69	D7; SRK.TH.05.04.18	473.00		
D8T	3.49	D8; SRK.TH.05.04.18	614.00		
D9T	3.61	D9; SRK.TH.05.04.18	636.00		
D10T2	3.79	D10; SRK.TH.05.04.18	667.00		
D11T	160.74	Copper Flats - Blue Book Equipment Rates.xlsx			
Wheeled Dozers					
824K	49.58	Copper Flats - Blue Book Equipment Rates.xlsx			
834K	59.69	Copper Flats - Blue Book Equipment Rates.xlsx			
844K	77.91	Copper Flats - Blue Book Equipment Rates.xlsx			
854K	90.20	Copper Flats - Blue Book Equipment Rates.xlsx			
Motor Graders					
12M2	20.32	Cat 120M2 Motor Grader; SRK Consulting Equipment Quote Copper Flat Mine.xlsx			
14M	37.21	14M; SRK.TH.05.04.18	425.00		
16M3	50.42	160M3; SRK.TH.05.04.18	458.00		
24M	55.46	x1.1 neighbor			
Track Excavators					
312F	2.14	x0.9 neighbor			
320F	2.38	x0.9 neighbor			
325F	2.64	329; SRK.TH.05.04.18	464.00		
330F	3.01	336; SRK.TH.05.04.18	530.00		
349F	3.36	349; SRK.TH.05.04.18	591.00		
374F	80.63	Copper Flats - Blue Book Equipment Rates.xlsx			
390F	91.31	Copper Flats - Blue Book Equipment Rates.xlsx			
Scrapers					
631K	3.22	631; SRK.TH.05.04.18	567.00		
637K	116.00	Copper Flats - Blue Book Equipment Rates.xlsx			
Wheeled Loaders					
926M	9.33	Copper Flats - Blue Book Equipment Rates.xlsx			
930M	16.35	Copper Flats - Blue Book Equipment Rates.xlsx			
950M	2.30	950; SRK.TH.05.04.18	405.00		
966M	2.42	average			
972M	2.53	972; SRK.TH.05.04.18	446.00		
980M	2.57	980; SRK.TH.05.04.18	452.00		
988K	57.81	Copper Flats - Blue Book Equipment Rates.xlsx			
990K	85.58	Copper Flats - Blue Book Equipment Rates.xlsx			
992K	11.87	NV Std 2018			
994K	122.36	proportioned			
L2350	203.53	Copper Flats - Blue Book Equipment Rates.xlsx			
Shovels/Excavators					
PC2000	183.38	Copper Flats - Blue Book Equipment Rates.xlsx			
PC3000	218.80	average			
PC4000	254.21	Copper Flats - Blue Book Equipment Rates.xlsx			
PC5500	279.63	x1.1 neighbor			
PC8000	307.59	x1.1 neighbor			
EX2500	277.02	Copper Flats - Blue Book Equipment Rates.xlsx			

Equipment Costs

File Name:	Copper_Flat_CDF_191000_060_FNL_RevI
Date:	December 2018
Cost Basis:	User Data
Author/Source:	SRK Consulting and NMCC

	Basis 1	Basis 2	Basis 3	Basis 4	Basis 5
Monthly Rental Basis (operating hrs/ period)	176				
Wet Rate?	No				

Hydraulic Hammers					
H120Es (fits 325)	N/A	N/A	N/A	N/A	N/A
H160Es (fits 349)	N/A	N/A	N/A	N/A	N/A
H180Es (fits 374/390)	N/A	N/A	N/A	N/A	N/A
Demolition Shears					
S3050 (fits 320/325/330)	N/A	N/A	N/A	N/A	N/A
S3070 (fits 330/349)	N/A	N/A	N/A	N/A	N/A
S3090 (fits 374/390)	N/A	N/A	N/A	N/A	N/A
Demolition Grapples					
G315B (fits 320/325)	N/A	N/A	N/A	N/A	N/A
G320B (fits 325/330)	N/A	N/A	N/A	N/A	N/A
G330 (fits 349/374)	N/A	N/A	N/A	N/A	N/A
Other Equipment					
420F2	11.81	Copper Flats - Blue Book Equipment Rates.xlsx			
430F2	12.20	Copper Flats - Blue Book Equipment Rates.xlsx			
CS54B	19.33	Copper Flats - Blue Book Equipment Rates.xlsx			
CS64B	20.65	Copper Flats - Blue Book Equipment Rates.xlsx			
CP54B	24.87	Copper Flats - Blue Book Equipment Rates.xlsx			
CP68B	29.78	Copper Flats - Blue Book Equipment Rates.xlsx			
Light Truck - 1.5 Ton	8.67	Copper Flats - Blue Book Equipment Rates.xlsx			
Supervisor's Truck	3.62	Copper Flats - Blue Book Equipment Rates.xlsx			
Flatbed Truck	3.85	Copper Flats - Blue Book Equipment Rates.xlsx			
Air Compressor + tools	3.38	Copper Flats - Blue Book Equipment Rates.xlsx			
Welding Equipment	1.92	Copper Flats - Blue Book Equipment Rates.xlsx			
Heavy Duty Drill Rig	278.95	Copper Flats - Blue Book Equipment Rates.xlsx			
Pump (plugging) Drill Rig	278.95	assume same as heavy duty drill rig			
Concrete Pump					
Gas Engine Vibrator	1.46	Copper Flats - Blue Book Equipment Rates.xlsx			
Generator 5KW	3.58	Copper Flats - Blue Book Equipment Rates.xlsx			
HDEP Welder (pipe or liner)					
5 Ton Crane	23.22	x0.9 neighbor			
20 Ton Crane	25.80	Copper Flats - Blue Book Equipment Rates.xlsx			
50 Ton Crane	45.47	Copper Flats - Blue Book Equipment Rates.xlsx			
120 Ton Crane	80.14	Copper Flats - Blue Book Equipment Rates.xlsx			
Trucks					
725C	28.22	Copper Flats - Blue Book Equipment Rates.xlsx			
730C	2.76	SRK CONSULT QUO	485.00		
735C	2.86	average			
740C	2.97	SRK CONSULT QUO	522.00		
770G	39.70	Copper Flats - Blue Book Equipment Rates.xlsx			
773G	47.92	Copper Flats - Blue Book Equipment Rates.xlsx			
777G	95.60	Copper Flats - Blue Book Equipment Rates.xlsx			
785D	105.16	x1.1 neighbor			
789D	115.68	x1.1 neighbor			
793F	127.24	x1.1 neighbor			
797F	204.78	Copper Flats - Blue Book Equipment Rates.xlsx			
613E (5,000 gal)	45.31	Copper Flats - Blue Book Equipment Rates.xlsx			
621E (8,000 gal)	50.66	Copper Flats - Blue Book Equipment Rates.xlsx			
777D H2O Truck	95.60	same as 777G			
785C H2O Truck	105.16	same as 785D			
Dump Truck (10-12 yd3)	15.58	Copper Flats - Blue Book Equipment Rates.xlsx			
Tractor/Trailer (20 ton)	N/A	N/A	N/A	N/A	N/A
Tractor/Trailer (50 ton)	N/A	N/A	N/A	N/A	N/A
Tractor/Trailer (80 ton)	N/A	N/A	N/A	N/A	N/A

NOTES:	(1) PM Source:				
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Equipment Costs

File Name:	Copper_Flat_CDF_191000_060_FNL_RevI
Date:	December 2018
Cost Basis:	User Data
Author/Source:	SRK Consulting and NMCC

	Basis 1	Basis 2	Basis 3	Basis 4	Basis 5
Monthly Rental Basis (operating hrs/ period)	176				
Wet Rate?	No				

G.E.T CONSUMPTION [Cost Per Hour] ⁽¹⁾ (Wear Items)

EQUIPMENT TYPE	Basis 1	Basis 2	Basis 3	Basis 4	Basis 5
	Copper Flat FA				
Bulldozers					
D6T	2.61	Copper Flats - Blue Book Equipment Rates.xlsx			
D6R w/ Winch	2.61	Copper Flats - Blue Book Equipment Rates.xlsx			
D7E	3.84	Copper Flats - Blue Book Equipment Rates.xlsx			
D8T	4.86	Copper Flats - Blue Book Equipment Rates.xlsx			
D9T	6.59	Copper Flats - Blue Book Equipment Rates.xlsx			
D10T2	8.22	Copper Flats - Blue Book Equipment Rates.xlsx			
D11T	16.66	Copper Flats - Blue Book Equipment Rates.xlsx			
Wheeled Dozers					
824K	1.32	Copper Flats - Blue Book Equipment Rates.xlsx			
834K	1.70	Copper Flats - Blue Book Equipment Rates.xlsx			
844K	2.42	Copper Flats - Blue Book Equipment Rates.xlsx			
854K	2.40	Copper Flats - Blue Book Equipment Rates.xlsx			
Motor Graders					
12M2	0.62	Copper Flats - Blue Book Equipment Rates.xlsx			
14M	1.38	Copper Flats - Blue Book Equipment Rates.xlsx			
16M3	2.00	Copper Flats - Blue Book Equipment Rates.xlsx			
24M	2.20	x1.1 neighbor			
Track Excavators					
312F	1.33	Copper Flats - Blue Book Equipment Rates.xlsx			
320F	1.94	Copper Flats - Blue Book Equipment Rates.xlsx			
325F	1.48	Copper Flats - Blue Book Equipment Rates.xlsx			
330F	2.67	Copper Flats - Blue Book Equipment Rates.xlsx			
349F	2.85	Copper Flats - Blue Book Equipment Rates.xlsx			
374F	3.97	Copper Flats - Blue Book Equipment Rates.xlsx			
390F	5.11	Copper Flats - Blue Book Equipment Rates.xlsx			
Scrapers					
631K	1.86	Copper Flats - Blue Book Equipment Rates.xlsx			
637K	2.11	Copper Flats - Blue Book Equipment Rates.xlsx			
Wheeled Loaders					
926M	0.19	Copper Flats - Blue Book Equipment Rates.xlsx			
930M	0.60	Copper Flats - Blue Book Equipment Rates.xlsx			
950M	0.87	Copper Flats - Blue Book Equipment Rates.xlsx			
966M	0.87	Copper Flats - Blue Book Equipment Rates.xlsx			
972M	1.08	Copper Flats - Blue Book Equipment Rates.xlsx			
980M	1.41	Copper Flats - Blue Book Equipment Rates.xlsx			
988K	2.26	Copper Flats - Blue Book Equipment Rates.xlsx			
990K	3.71	Copper Flats - Blue Book Equipment Rates.xlsx			
992K	32.73	NV Std 2018			
994K	4.99	x1.1 neighbor			
L2350	9.30	Copper Flats - Blue Book Equipment Rates.xlsx			
Shovels/Excavators					
PC2000	13.87	Copper Flats - Blue Book Equipment Rates.xlsx			
PC3000	16.89	average			
PC4000	19.91	Copper Flats - Blue Book Equipment Rates.xlsx			
PC5500	21.90	x1.1 neighbor			
PC8000	24.09	x1.1 neighbor			
EX2500	25.00	Copper Flats - Blue Book Equipment Rates.xlsx			

Equipment Costs

File Name:	Copper_Flat_CDF_191000_060_FNL_Rev1
Date:	December 2018
Cost Basis:	User Data
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	Basis 1	Basis 2	Basis 3	Basis 4	Basis 5
Monthly Rental Basis (operating hrs/ period)	176				
Wet Rate?	No				

Hydraulic Hammers					
H120Es (fits 325)	11.57	Copper Flats - Blue Book Equipment Rates.xlsx			
H160Es (fits 349)	23.24	Copper Flats - Blue Book Equipment Rates.xlsx			
H180Es (fits 374/390)	24.96	Copper Flats - Blue Book Equipment Rates.xlsx			

Demolition Shears					
S3050 (fits 320/325/330)	20.50	Copper Flats - Blue Book Equipment Rates.xlsx			
S3070 (fits 330/349)	25.23	Copper Flats - Blue Book Equipment Rates.xlsx			
S3090 (fits 374/390)	31.61	Copper Flats - Blue Book Equipment Rates.xlsx			

Demolition Grapples					
G315B (fits 320/325)					
G320B (fits 325/330)					
G330 (fits 349/374)					

Other Equipment					
420F2	0.54	Copper Flats - Blue Book Equipment Rates.xlsx			
430F2	0.60	Copper Flats - Blue Book Equipment Rates.xlsx			
CS54B					
CS64B					
CP54B					
CP68B					
Light Truck - 1.5 Ton					
Supervisor's Truck					
Flatbed Truck					
Air Compressor + tools	N/A	N/A	N/A	N/A	N/A
Welding Equipment	N/A	N/A	N/A	N/A	N/A
Heavy Duty Drill Rig	9.60	Copper Flats - Blue Book Equipment Rates.xlsx			
Pump (plugging) Drill Rig	9.60	assume same as heavy duty drill rig			
Concrete Pump	N/A	N/A	N/A	N/A	N/A
Gas Engine Vibrator	N/A	N/A	N/A	N/A	N/A
Generator 5KW	N/A	N/A	N/A	N/A	N/A
HDEP Welder (pipe or liner)	N/A	N/A	N/A	N/A	N/A
5 Ton Crane					
20 Ton Crane					
50 Ton Crane					
120 Ton Crane					

Trucks					
725C					
730C					
735C					
740C					
770G					
773G					
777G					
785D					
789D					
793F					
797F					
613E (5,000 gal)	0.94	Copper Flats - Blue Book Equipment Rates.xlsx			
621E (8,000 gal)	0.57	Copper Flats - Blue Book Equipment Rates.xlsx			
777D H2O Truck					
785C H2O Truck					
Dump Truck (10-12 yd3)					
Tractor/Trailer (20 ton)	N/A	N/A	N/A	N/A	N/A
Tractor/Trailer (50 ton)	N/A	N/A	N/A	N/A	N/A
Tractor/Trailer (80 ton)	N/A	N/A	N/A	N/A	N/A

Notes:	(1) G.E.T. Source:				
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Equipment Costs

File Name:	Copper_Flat_CDF_191000_060_FNL_RevI
Date:	December 2018
Cost Basis:	User Data
Author/Source:	SRK Consulting and NMCC

	Basis 1	Basis 2	Basis 3	Basis 4	Basis 5
Monthly Rental Basis (operating hrs/ period)	176				
Wet Rate?	No				

TIRE COST TABLE [Cost Per Tire^(1,2,3)]

EQUIPMENT TYPE	Basis 1	Basis 2	Basis 3	Basis 4	Basis 5
	Copper Flat FA				
Bulldozers					
D6T	N/A	N/A	N/A	N/A	N/A
D6R w/ Winch	N/A	N/A	N/A	N/A	N/A
D7E	N/A	N/A	N/A	N/A	N/A
D8T	N/A	N/A	N/A	N/A	N/A
D9T	N/A	N/A	N/A	N/A	N/A
D10T2	N/A	N/A	N/A	N/A	N/A
D11T	N/A	N/A	N/A	N/A	N/A
Wheeled Dozers					
824K	33,740.00	3,500.00	Cat 824H	9.64	
834K	43,505.00	3,500.00		12.43	
844K	62,020.00	3,500.00	Cat 844H	17.72	
854K	76,685.00	3,500.00	Cat 854G	21.91	
Motor Graders					
12M2	11,025.00	3,500.00		3.15	
14M	24,500.00	3,500.00		7.00	
16M3	35,455.00	3,500.00	Cat 16M	10.13	
24M	39,000.50	3,500.00	x1.1 neighbor	11.14	
Track Excavators					
312F	N/A	N/A	N/A	N/A	N/A
320F	N/A	N/A	N/A	N/A	N/A
325F	N/A	N/A	N/A	N/A	N/A
330F	N/A	N/A	N/A	N/A	N/A
349F	N/A	N/A	N/A	N/A	N/A
374F	N/A	N/A	N/A	N/A	N/A
390F	N/A	N/A	N/A	N/A	N/A
Scrapers					
631K	32,680.00	4,000.00	Cat 631G	8.17	
637K	30,280.00	4,000.00	Cat 637G	7.57	
Wheeled Loaders					
926M	4,770.00	4,500.00		1.06	
930M	13,815.00	4,500.00	930K	3.07	
950M	23,085.00	4,500.00	950K	5.13	
966M	24,075.00	4,500.00	966K	5.35	
972M	29,880.00	4,500.00	972K	6.64	
980M	45,720.00	4,500.00	980K	10.16	
988K	73,350.00	4,500.00	988H	16.30	
990K	120,195.00	4,500.00	990H	26.71	
992K	147,105.00	4,500.00	992K	32.69	
994K	161,815.50	4,500.00	x1.1 neighbor	35.96	
L2350	301,680.00	4,500.00		67.04	
Shovels/Excavators					
PC2000	N/A	N/A	N/A	N/A	N/A
PC3000	N/A	N/A	N/A	N/A	N/A
PC4000	N/A	N/A	N/A	N/A	N/A
PC5500	N/A	N/A	N/A	N/A	N/A
PC8000	N/A	N/A	N/A	N/A	N/A
EX2500	N/A	N/A	N/A	N/A	N/A
Hydraulic Hammers					
H120Es (fits 325)	N/A	N/A	N/A	N/A	N/A
H160Es (fits 349)	N/A	N/A	N/A	N/A	N/A
H180Es (fits 374/390)	N/A	N/A	N/A	N/A	N/A
Demolition Shears					
S3050 (fits 320/325/330)	N/A	N/A	N/A	N/A	N/A
S3070 (fits 330/349)	N/A	N/A	N/A	N/A	N/A
S3090 (fits 374/390)	N/A	N/A	N/A	N/A	N/A
Demolition Grapples					
G315B (fits 320/325)	N/A	N/A	N/A	N/A	N/A
G320B (fits 325/330)	N/A	N/A	N/A	N/A	N/A
G330 (fits 349/374)	N/A	N/A	N/A	N/A	N/A

Equipment Costs

File Name:	Copper_Flat_CDF_191000_060_FNL_Rev1
Date:	December 2018
Cost Basis:	User Data
Author/Source:	SRK Consulting and NMCC

	Basis 1	Basis 2	Basis 3	Basis 4	Basis 5
Monthly Rental Basis (operating hrs/ period)	176				
Wet Rate?	No				

Other Equipment					
420F2	4,770.00	3,000.00	Cat 420F Tractor-Load	1.59	
430F2	4,830.00	3,000.00	Cat 430E Tractor-Load	1.61	
CS54B	N/A	N/A	N/A	N/A	N/A
CS64B	N/A	N/A	N/A	N/A	N/A
CP54B	N/A	N/A	N/A	N/A	N/A
CP68B	N/A	N/A	N/A	N/A	N/A
Light Truck - 1.5 Ton	4,140.00	3,000.00	Single Axle Lube Truck	1.38	
Supervisor's Truck	1,350.00	3,000.00	3/4 Ton 4x4	0.45	
Flatbed Truck	1,020.00	3,000.00	On-Highway Flatbed Truck	0.34	
Air Compressor + tools	N/A	N/A	N/A	N/A	N/A
Welding Equipment	N/A	N/A	N/A	N/A	N/A
Heavy Duty Drill Rig					
Pump (plugging) Drill Rig					
Concrete Pump	N/A	N/A	N/A	N/A	N/A
Gas Engine Vibrator	N/A	N/A	N/A	N/A	N/A
Generator 5KW	N/A	N/A	N/A	N/A	N/A
HDEP Welder (pipe or liner)	N/A	N/A	N/A	N/A	N/A
5 Ton Crane	9,261.00	3,000.00	x0.9 neighbor	3.09	
20 Ton Crane	10,290.00	3,000.00	Tadan GR-150XL-1 (1	3.43	
50 Ton Crane	16,530.00	3,000.00	Grove TMS700E	5.51	
120 Ton Crane	42,750.00	3,000.00	Grove GMK5120B	14.25	

Trucks					
725C	13,720.00	2,000.00	Cat 725, model not sp	6.86	
730C	14,980.00	2,000.00		7.49	
735C	15,940.00	2,000.00	Cat 735B	7.97	
740C	17,240.00	2,000.00		8.62	
770G	64,440.00	6,000.00		10.74	
773G	69,300.00	5,000.00		13.86	
777G	157,600.00	5,000.00		31.52	
785D	138,688.00	4,000.00	x1.1 neighbor	34.67	
789D	152,556.80	4,000.00	x1.1 neighbor	38.14	
793F	167,812.48	4,000.00	x1.1 neighbor	41.95	
797F	322,800.00	4,000.00		80.70	
613E (5,000 gal)	18,840.00	6,000.00	Used Cat 613E scrape	3.14	
621E (8,000 gal)	38,960.00	8,000.00	Used Cat 621E scrape	4.87	
777D H2O Truck	157,600.00	5,000.00	Used Cat 777 haul truck	31.52	
785C H2O Truck	138,688.00	4,000.00	x1.1 neighbor	34.67	
Dump Truck (10-12 yd3)	12,900.00	6,000.00	10 CY Dump Truck	2.15	
Tractor/Trailer (20 ton)					
Tractor/Trailer (50 ton)					
Tractor/Trailer (80 ton)					

Notes:					
(1) Unit Cost Basis:					
(2) Cost Basis:					
(3) Tire Cost Source:					
(4) Tire Wear Source (defined in model):					

Equipment Costs

File Name:	Copper_Flat_CDF_191000_060_FNL_Rev1
Date:	December 2018
Cost Basis:	User Data
Author/Source:	SRK Consulting and NMCC

	Basis 1	Basis 2	Basis 3	Basis 4	Basis 5
Monthly Rental Basis (operating hrs/ period)	176				
Wet Rate?	No				

Assembly/Disassembly [Total Cost]

EQUIPMENT TYPE	Basis 1	Basis 2	Basis 3	Basis 4	Basis 5
	Copper Flat FA				
Bulldozers					
D6T	500.00	SRK Consulting Equipment Quote Copper Flat Mine.pdf			
D6R w/ Winch	678.00	SRK.TH.05.04.18.pdf			
D7E	2,450.00	CF Mob Rate 11 18.xlsx			
D8T	2,900.00	CF Mob Rate 11 18.xlsx			
D9T	4,950.00	CF Mob Rate 11 18.xlsx			
D10T2					
D11T					
Wheeled Dozers					
824K					
834K					
844K					
854K					
Motor Graders					
12M2	500.00	SRK Consulting Equipment Quote Copper Flat Mine.pdf			
14M	2,800.00	CF Mob Rate 11 18.xlsx			
16M3	2,800.00	assume same as 14M			
24M	2,800.00	assume same as 14M			
Track Excavators					
312F	500.00	SRK Consulting Equipment Quote Copper Flat Mine.pdf			
320F	500.00	SRK Consulting Equipment Quote Copper Flat Mine.pdf			
325F	2,800.00	CF Mob Rate 11 18.xlsx			
330F	2,800.00	assume same as 325			
349F	4,050.00	CF Mob Rate 11 18.xlsx			
374F	1,253.00	assume same as 349F			
390F	1,253.00	assume same as 349F			
Scrapers					
631K	678.00	SRK.TH.05.04.18.pdf			
637K	678.00	SRK.TH.05.04.18.pdf			
Wheeled Loaders					
926M	500.00	SRK Consulting Equipment Quote Copper Flat Mine.pdf			
930M	2,350.00	CF Mob Rate 11 18.xlsx			
950M	2,350.00	assume same as 950M			
966M	2,350.00	CF Mob Rate 11 18.xlsx			
972M	2,350.00	assume same as 966M			
980M	2,350.00	assume same as 966M			
988K	4,275.00	CF Mob Rate 11 18.xlsx			
990K	4,275.00	assume same as 988K			
992K	23,950.00	CF Mob Rate 11 18.xlsx			
994K	23,950.00	assume same as 992K			
L2350	23,950.00	assume same as 992K			
Shovels/Excavators					
PC2000					
PC3000					
PC4000					
PC5500					
PC8000					
EX2500					
Hydraulic Hammers					
H120Es (fits 325)					
H160Es (fits 349)					
H180Es (fits 374/390)					
Demolition Shears					
S3050 (fits 320/325/330)					
S3070 (fits 330/349)					
S3090 (fits 374/390)					
Demolition Grapples					
G315B (fits 320/325)					
G320B (fits 325/330)					
G330 (fits 349/374)					

Equipment Costs

File Name:	<i>Copper_Flat_CDF_191000_060_FNL_Rev1</i>
Date:	<i>December 2018</i>
Cost Basis:	<i>User Data</i>
Author/Source:	<i>SRK Consulting and NMCC</i>

	Basis 1	Basis 2	Basis 3	Basis 4	Basis 5
Monthly Rental Basis (operating hrs/ period)	176				
Wet Rate?	No				

Other Equipment					
420F2	500.00	SRK Consulting Equipment Quote Copper Flat Mine.pdf			
430F2	500.00	SRK Consulting Equipment Quote Copper Flat Mine.pdf			
CS54B	678.00	assume same as 14M			
CS64B	678.00	assume same as 14M			
CP54B	678.00	assume same as 14M			
CP68B	678.00	assume same as 14M			
Light Truck - 1.5 Ton					
Supervisor's Truck					
Flatbed Truck					
Air Compressor + tools					
Welding Equipment					
Heavy Duty Drill Rig	678.00	assume same as 14M			
Pump (plugging) Drill Rig	678.00	assume same as 14M			
Concrete Pump	678.00	assume same as 14M			
Gas Engine Vibrator					
Generator 5KW					
HDEP Welder (pipe or liner)					
5 Ton Crane	678.00	assume same as D8			
20 Ton Crane	678.00				
50 Ton Crane	678.00				
120 Ton Crane	678.00				

Equipment Costs

File Name:	Copper_Flat_CDF_191000_060_FNL_RevI
Date:	December 2018
Cost Basis:	User Data
Author/Source:	SRK Consulting and NMCC

	Basis 1	Basis 2	Basis 3	Basis 4	Basis 5
Monthly Rental Basis (operating hrs/ period)	176				
Wet Rate?	No				

Trucks					
725C	700.00	assume same as 730C			
730C	700.00	SRK CONSULT QUOTE.pdf			
735C	700.00	assume same as 730C			
740C	2,450.00	CF Mob Rate 11 18.xlsx			
770G	2,450.00	assume same as 740			
773G	2,450.00	assume same as 740			
777G	\$29,333.00	"CF Mob Rate 11 18.xlsx," mob: 58600; demob: 29333; av. 43,966.5; add 39750 unload a			
785D	\$29,333.00	assume same as 777			
789D	\$29,333.00	assume same as 777			
793F	\$29,333.00	assume same as 777			
797F	\$29,333.00	assume same as 777			
613E (5,000 gal)	2,450.00	assume same as 740			
621E (8,000 gal)	2,450.00	assume same as 740			
777D H2O Truck	\$1,253.00				
785C H2O Truck	\$1,253.00				
Dump Truck (10-12 yd3)	\$1,253.00				
Tractor/Trailer (20 ton)	N/A	N/A	N/A	N/A	N/A
Tractor/Trailer (50 ton)	N/A	N/A	N/A	N/A	N/A
Tractor/Trailer (80 ton)	N/A	N/A	N/A	N/A	N/A

Notes:					
Assembly/Disassembly Source:					

Labor Rates

File Name:	Copper_Flat_CDF_191000_060_FNL_Rev1
Date:	December 2018
Cost Basis:	User Data
Author/Source:	SRK Consulting and NMCC

HOURLY LABOR RATE TABLE								
EQUIPMENT TYPE ⁽¹⁾ OR JOB DESCRIPTION	Basis 1		Basis 2		Basis 3		Basis 4	
	Copper Flat FA							
EQUIPMENT OPERATORS - Labor Groups and Base Pay Rate (\$/hr) ⁽²⁾								
Bulldozers								
D6T		21.14	Assume same as motor grader operators					
D6R w/ Winch		21.14	Assume same as motor grader operators					
D7E		21.14	Assume same as motor grader operators					
D8T		21.14	Assume same as motor grader operators					
D9T		21.14	Assume same as motor grader operators					
D10T2		21.14	Assume same as motor grader operators					
D11T		21.14	Assume same as motor grader operators					
Wheeled Dozers								
824K								
834K								
844K								
854K								
Motor Graders								
12M2		21.14	From SRCE User 7					
14M		21.14	From SRCE User 7					
16M3		21.14	From SRCE User 7					
24M		21.14	From SRCE User 7					
Track Excavators								
312F		27.12	Assume same as wheeled loader operators					
320F		27.12	Assume same as wheeled loader operators					
325F		27.12	Assume same as wheeled loader operators					
330F		27.12	Assume same as wheeled loader operators					
349F		27.12	Assume same as wheeled loader operators					
374F		27.12	Assume same as wheeled loader operators					
390F		27.12	Assume same as wheeled loader operators					
Scrapers								
631K		14.03	From SRCE User 7					
637K		14.03	From SRCE User 7					
Wheeled Loaders								
926M		27.12	From SRCE User 7					
930M		27.12	From SRCE User 7					
950M		27.12	From SRCE User 7					
966M		27.12	From SRCE User 7					
972M		27.12	From SRCE User 7					
980M		27.12	From SRCE User 7					
988K		27.12	From SRCE User 7					
990K		27.12	From SRCE User 7					
992K		27.12	From SRCE User 7					
994K		27.12	From SRCE User 7					
L2350		27.12	From SRCE User 7					
Shovels/Excavators								
PC2000								
PC3000								
PC4000								
PC5500								
PC8000								
EX2500								
Hydraulic Hammers								
H120Es (fits 325)								
H160Es (fits 349)								
H180Es (fits 374/390)								
Demolition Shears								
S3050 (fits 320/325/330)								
S3070 (fits 330/349)								
S3090 (fits 374/390)								
Demolition Grapples								
G315B (fits 320/325)								
G320B (fits 325/330)								
G330 (fits 349/374)								

Labor Rates

File Name:	<i>Copper_Flat_CDF_191000_060_FNL_Rev1</i>
Date:	<i>December 2018</i>
Cost Basis:	<i>User Data</i>
Author/Source:	<i>SRK Consulting and NMCC</i>

HOURLY LABOR RATE TABLE

EQUIPMENT TYPE ⁽¹⁾ OR JOB DESCRIPTION	Basis 1	Basis 2	Basis 3	Basis 4
	<i>Copper Flat FA</i>			
Other Equipment				
420F2	14.03	From SRCE User 7		
430F2	14.03	From SRCE User 7		
CS54B	14.03	Assume same as backhoe operators		
CS64B	14.03	Assume same as backhoe operators		
CP54B	14.03	Assume same as backhoe operators		
CP68B	14.03	Assume same as backhoe operators		
Light Truck - 1.5 Ton	0.00	none - for supervisors only		
Supervisor's Truck	0.00	none - for supervisors only		
Flatbed Truck				
Air Compressor + tools	Group 3	14.03	Assume same as backhoe operators	
Welding Equipment	27.12	WELDERS Receive rate prescribed for craft performing operation to which welding is incidental." Assume same as wheeled loader operators		
Heavy Duty Drill Rig	14.03	Assume same as backhoe operators		
Pump (plugging) Drill Rig	14.03	Assume same as backhoe operators		
Concrete Pump				
Gas Engine Vibrator	14.03	Assume same as backhoe operators		
Generator 5KW				
HDEP Welder (pipe or liner)				
5 Ton Crane	27.12	Assume same as wheeled loader operators		
20 Ton Crane	27.12	Assume same as wheeled loader operators		
50 Ton Crane	27.12	Assume same as wheeled loader operators		
120 Ton Crane	27.12	Assume same as wheeled loader operators		
Fringe Benefits				
Equip Op Fringe Benefits (\$/hr)				
Zone and Area Adjustments - Miles and Rates (\$/hr) ⁽³⁾				
Equipment Zone 1	none	0.00		
Equipment Zone 2				
Equipment Zone 3				
Equipment Zone 4				
Equipment Zone 5				
Equipment Zone 6				
Equipment Zone 7				
NOTES:				
(1) Equipment Type:	Catepillar model or equivalent	Catepillar model or equivalent	Catepillar model or equivalent	Catepillar model or equivalent
(2) Equipment Operator Source:				
(3) Zone Basis:				
TRUCK DRIVERS - Labor Groups and Base Pay Rate (\$/hr) ⁽⁴⁾				
725C	18.97	Assume same as water truck operator		
730C	18.97	Assume same as water truck operator		
735C	18.97	Assume same as water truck operator		
740C	18.97	Assume same as water truck operator		
770G	18.97	Assume same as water truck operator		
773G	18.97	Assume same as water truck operator		
777G	18.97	Assume same as water truck operator		
785D	18.97	Assume same as water truck operator		
789D	18.97	Assume same as water truck operator		
793F	18.97	Assume same as water truck operator		
797F	18.97	Assume same as water truck operator		
613E (5,000 gal)	18.97	Assume same as water truck operator		
621E (8,000 gal)	18.97	Assume same as water truck operator		
777D H2O Truck	18.97	From SRCE User 7		
785C H2O Truck	18.97	From SRCE User 7		
Dump Truck (10-12 yd3)	11.90	From SRCE User 7		
Tractor/Trailer (20 ton)				
Tractor/Trailer (50 ton)				
Tractor/Trailer (80 ton)				
Fringe Benefits				
Truck Driver Fringe Benefits (cost/hr)				
Zone and Area Adjustments ⁽⁵⁾				
Truck Zone 1	none	0.00		

Labor Rates

File Name:	<i>Copper_Flat_CDF_191000_060_FNL_Rev1</i>
Date:	<i>December 2018</i>
Cost Basis:	<i>User Data</i>
Author/Source:	<i>SRK Consulting and NMCC</i>

HOURLY LABOR RATE TABLE

EQUIPMENT TYPE ⁽¹⁾ OR JOB DESCRIPTION	Basis 1		Basis 2		Basis 3		Basis 4	
	<i>Copper Flat FA</i>							
Truck Zone 2								
Truck Zone 3								
Truck Zone 4								
Truck Zone 5								
Truck Zone 6								
Truck Zone 7								
NOTES:								
(4) Truck Driver Source:								
(5) Zone Basis:								
LABORERS - Labor Groups and Base Pay Rate (\$/hr) ^(6,7)								
General Laborer		12.37	From SRCE User 7					
Skilled Laborer		17.97	proportioned against Carpenter with NV costs					
Driller's Helper		17.83	proportioned against Carpenter with NV costs					
Rodmen (reinforcing concrete)		17.74	proportioned against Carpenter with NV costs					
Cement finisher		17.83	proportioned against Carpenter with NV costs					
Carpenter		22.26	From SRCE User 7					
Fringe Benefits								
Laborer Fringe Benefits (cost/hr)		0.00						
Carpenter Fringe Benefits (cost/hr)		6.20						
Zone and Area Adjustments ⁽⁸⁾								
Laborer Zone 1	none	0.00						
Laborer Zone 2								
Laborer Zone 3								
Laborer Zone 4								
Laborer Zone 5								
Laborer Zone 6								
Laborer Zone 7								
NOTES:								
(6) Laborer Source:	From SRCE User 7							
(7) Carpenter Source:	From SRCE User 7							
(8) Zone Basis:								
PROJECT MANAGEMENT AND TECHNICAL LABOR - Base Pay Rate (\$/hr) ⁽⁹⁾								
Project Manager		69.19	NV 2017					
Foreman		64.13	NV 2017					
Field Geologist/Engineer		105.00	NV 2017					
Field Tech/Sampler		96.60	NV 2017					
Range Scientist		105.00	NV 2017					
Electrical foreman (R-3; 2018)		58.70						
Electrician (R-3; 2018)		58.20						
NOTES:								
(9) Project Manager:								
(9) Foreman Source:								
(9) Technical Labor Source:								

Labor Rates

File Name:	<i>Copper_Flat_CDF_191000_060_FNL_Rev1</i>
Date:	<i>December 2018</i>
Cost Basis:	<i>User Data</i>
Author/Source:	<i>SRK Consulting and NMCC</i>

HOURLY LABOR RATE TABLE								
EQUIPMENT TYPE ⁽¹⁾ OR JOB DESCRIPTION	Basis 1		Basis 2		Basis 3		Basis 4	
	<i>Copper Flat FA</i>							
INDIRECT COSTS								
SOCIAL SECURITY, WORKMAN'S COMP, INSURANCE, ETC.								
Unemployment (%)		1.84%						
Retirement/SS/Medicare (%)		7.65%						
Workman's Compensation (%)		13.30%						
NOTES:								
(10) Workman's Comp Source:	RS Means R013113-60							
Unemployment (%)	Business/Unemployment-							

Reclamation Material Costs

File Name:	<i>Copper Flat CDF 191000_060_</i>
Date:	<i>December 2018</i>
Cost Basis:	<i>User Data</i>
Author/Source:	<i>SRK Consulting and NMCC</i>

RECLAMATION MATERIAL COST TABLE

	Basis 1	Basis 2	Basis 3
MATERIAL TYPE	<i>Copper Flat FA</i>		

Revegetation Materials

Seed Mixes

Seed Mix	Units			
None				
Mix 1	Cost/Acre			
Mix 2	Cost/Acre			
Mix 3	Cost/Acre			
Mix 4	Cost/Acre			
User Mix 1	Cost/Acre			
User Mix 2	Cost/Acre			
User Mix 3	Cost/Acre			
User Mix 4	Cost/Acre			
User Mix 5 (see Seed Mix sheet)	Cost/Acre			
Notes:				

Mulch

Item	Units			
None				
Straw Mulch	Cost/lb			
Hydro Mulch	Cost/lb			
	Cost/lb			
	Cost/lb			
Notes:				

Amendments

Item	Units			
None				
Organic Matter	Cost/lb			
Treated Sludge	Cost/lb			
Chemical	Cost/lb			
	Cost/lb			
	Cost/lb			
Notes:				

Well Abandonment Materials

Description	Units			
Cement	50lb bag	7.57		
Grout (Low Grade Bentonite)	50lb bag	8.65		
Inert Material/Cuttings	cy			
Notes:				

Reclamation Material Costs

Monitoring Costs				
Description	Units	Cost/unit	Cost/unit	Cost/unit
Monitor Well Pump	ea.	2,500.00	NV	
Sampling Supplies	ea.	6.00	NV	
GW Analysis Profile 1	ea.	1,254.00		
GW Analysis Profile 2	ea.	739.00		
GW Analysis Profile 3	ea.	554.00		
SW Analysis Profile 4	ea.	1,573.00		
SW Analysis Profile 5	ea.	1,058.00		
SW Analysis Profile 6	ea.	873.00		
	ea.			
	ea.			
	ea.			
	ea.			
	ea.			
	ea.			
	ea.			
	ea.			
	ea.			
	ea.			
	ea.			
	ea.			
	ea.			
Notes:				
Notes:				
Fuel, Etc.				
Description	Units	Cost/unit	Cost/unit	Cost/unit
Off-road Diesel - delivered ⁽¹⁾	Cost/gal	2.17		
Pickup Truck Travel	Cost/mi	0.55		
Electical Power	Cost/kWh	0.08		
Notes:		Copper Flat Fuel Cost.pdf		
Notes:		https://www.irs.gov/newsroom/standard-mileage-rates-for-2018-up-from-rates-for-2017		
Notes:		Copper Flat Power Cost.pdf		

Misc. Unit Costs

File Name:	Copper Flat_CDF_191000_060_FNL_Rev01_20181207_ft.xlsm
Date:	December 2018
Cost Basis:	User Data
Author/Source:	SRK Consulting and NMCC

MISCELLANEOUS COST TABLE							
JOB DESCRIPTION		Basis 1		Basis 2		Basis 3	
		Copper Flat FA					
REVEGETATION							
Item	Units	Labor	Equip	Labor	Equip	Labor	Equip
Seeding - Broadcast Manual ⁽¹⁾	\$/acres	423.14	423.14				
Seeding - Broadcast Mechanical ⁽¹⁾	\$/acres	423.14	423.14				
Seeding - Drill ⁽¹⁾	\$/acres	423.14	423.14				
Seeding - Hydroseeding ⁽¹⁾	\$/acres	423.14	423.14				
Item	Units	Materials		Materials		Materials	
Shrub Planting - bare root 6-10 in (150- 250mm) ⁽²⁾	ea.						
Tree Planting - bare root 11-16 in (270- 400mm) ⁽³⁾	ea.						
Cactus Planting ⁽⁴⁾	ea.						
NOTES:							
		(1) Seeding Source:	SRCE User 03				
		(2) Shrub Source:					
		(3) Tree Source:					
		(4) Cactus Source:					
BUILDING and WALL DEMOLITION							
Item	Units		Premium		Premium		Premium
Building Demolition							
Lg. steel	C.F.						
Lg. concrete	C.F.						
Lg. masonry	C.F.						
Lg. mixed	C.F.						
Sm. steel	C.F.						
Sm. concrete	C.F.						
Sm. masonry	C.F.						
Sm. wood	C.F.						
Wall Demolition							
Block 4 in thick	S.F.		20%		20%		20%
Block 6 in thick	S.F.		20%		20%		20%
Block 8 in thick	S.F.		20%		20%		20%
Block 12 in thick	S.F.		20%		20%		20%
Conc 6 in thick	S.F.		10%		10%		10%
Conc 8 in thick	S.F.		10%		10%		10%
Conc 10 in thick	S.F.		10%		10%		10%
Conc 12 in thick	S.F.		10%		10%		10%
WASTE DISPOSAL							
Item	Units	Materials		Materials		Materials	
Rubbish and Waste Handling							
Dumpster delivery (average for all sizes)	ea.	82.50					
Haul (average for all sizes)	ea.	259.00					
Rent per month (average for all sizes)	ea.	88.00					
Disposal fee per ton (tonne) (average for all sizes)	ton	97.00					
NOTES:							
		Dumpster Cost Source:	SRCE User 03				
		Disposal Fee Source:	SRCE User 03				

Misc. Unit Costs

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Author/Source:	<i>SRK Consulting and NMCC</i>

MISCELLANEOUS COST TABLE

JOB DESCRIPTION		Basis 1	Basis 2	Basis 3
		<i>Copper Flat FA</i>		
Hazardous Material Handling - Solids				
Pickup fees 55 gal. drums	ea.	265.00		
Bulk material (average)	ton	432.50		
Transport - truck load (80 drums, 25 cy (m3), 18 tons)	mile	5.90		
Dump site disposal fee	ton	305.00		
NOTES:				
Solid Handling Cost Source:				
Solid Disposal Fee Source:				
Hazardous Material Handling - Liquids				
Vacuum Truck Pickup (2200 gal or 9,700 litres)	hr.	155.00		
Vacuum Truck Pickup (5000 gal or 2,000 litres)	hr.	225.00		
Dump site disposal fee	ton	305.00		
NOTES:				
Liquid Handling Cost Source:		SRCE User 03		
Liquid Disposal Fee Source:		SRCE User 03		
Hydrocarbon Contaminated Soils (HCS)				
Insitu Biotreatment	C.Y	24.25		
HCS disposal fee	C.Y	295.00		
NOTES:				
Insitu Treatment Cost Source:		SRCE User 03		
HCS Disposal Fee Source:		SRCE User 03		

Misc. Unit Costs

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MISCELLANEOUS COST TABLE

JOB DESCRIPTION		Basis 1		Basis 2		Basis 3	
		Copper Flat FA					
UNDERGROUND OPENING CLOSURE							
Item	Units	Materials	Premium	Materials	Premium	Materials	Premium
Reinforced Concrete Bulkheads and Shaft Covers							
Grade walls - 15 in thick, 8 ft high	C.Y						
Grade walls - 15 in thick, 12 ft high	C.Y						
Elevated conc, 1-way beam & slab - 15ft span	C.Y						
Elevated conc, 1-way beam & slab - 25ft span	C.Y						
Item	Units	Materials	Premium	Materials	Premium	Materials	Premium
Small Adit Plugging							
Bat Gate ⁽⁵⁾	ea.						
Culvert Gate ⁽⁵⁾	C.Y						
Adit Foam Plug ⁽⁶⁾	C.Y						
Production Opening Foam Plug ⁽⁶⁾	C.Y						
NOTES:							
		(5) Bat Gate Source:					
		(6) Foam Plug Source:					
MISC. LINEAR PROJECTS							
Item	Units	Materials	Premium	Materials	Premium	Materials	Premium
Fencing Installation							
Barbed 3-strand	ft	0.39					
Barbed 4-strand	ft	0.52					
Barbed 5-strand	ft	0.65					
Chain link 8 ft -10 ft Install	ft	32.00					
Wood stockade fence 6 ft high - Install	ft	13.15					
	ft						
	ft						
Fencing Removal							
Barbed 3-strand Removal	ft						
Barbed 4-strand Removal	ft						
Barbed 5-strand Removal	ft						
Chain link 8 ft -10 ft Removal	ft						
Wood, all types 4 ft -6 ft high Removal	ft						
	ft						
	ft						
Culvert Removal							
12 in (300 mm) Diameter	ft						
18 in (450 mm) Diameter	ft						
24 in (600 mm) Diameter	ft						
36 in (1m) Diameter	ft						
Pipeline Removal							
Plastic Pipe 3/4 in (mm) - 4 in (100 mm) diameter	ft						
6 in (150 mm) - 8 in (200 mm)	ft						
10 in (250 mm) - 18 in (450 mm)	ft						
20 in (500 mm) - 36 in (1 m)	ft						
Pipe and Drainpipe Installation							
Water 4in (100mm) 40ft (12m) length, welded HDPE	ft	2.50					
Water 6in (150mm) 40ft (12m) length, welded HDPE	ft	5.65					
Water 12in (300mm) 40ft (12m) length, welded HDPE	ft	13.00					
Drain 4in (100mm) perforated PVC	ft	1.64					
Drain 6in (150mm) perforated PVC	ft	3.49					
Drain 4in (100mm) corrugated, perf or plain	ft	0.74					
Drain 6in (150mm) corrugated., perf or plain	ft	1.88					
Drain Rock Preparation							
Item	Units	Total		Total		Total	
Crushing	C.Y						
Screening	C.Y		1.00				
Misc.							
Item	Units	Premium		Premium		Premium	

Misc. Unit Costs

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MISCELLANEOUS COST TABLE							
JOB DESCRIPTION		Basis 1		Basis 2		Basis 3	
		Copper Flat FA					
Backhoe work	C.Y						
Powerline and Transformer Removal			Total		Total		Total
Single Pole Powerlines ⁽⁷⁾	mile		19,372				
Double Pole Powerlines ⁽⁸⁾	mile		19,372				
Substation ⁽⁹⁾	unit		29,250				
NOTES:							
	(7) Single Pole Source:						
	(8) Double Pole Source:						
	(9) Transformer Source:						

Misc. Unit Costs

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MISCELLANEOUS COST TABLE

JOB DESCRIPTION		Basis 1		Basis 2		Basis 3	
		Copper Flat FA					
EROSION, EVAPORATION and SEDIMENTATION CONTROL							
Item	Units	Materials	Premium	Materials	Premium	Materials	Premium
Rip-Rap & Rock Lining							
Rip-Rap 3/8 to 1/4 CY (m3) pieces, grouted	S.Y.	0.00					
Rip-Rap 18 in (450 mm) min thick, no grout	S.Y.	0.00					
Gabions, 6 in (150 mm) deep	S.Y.	0.00					
Gabions, 9 in (250 mm) deep	S.Y.	0.00					
Gabions, 12 in (300 mm) deep	S.Y.	0.00					
Gabions, 18 in (450 mm) deep	S.Y.	0.00					
Gabions, 36 in (1m) deep	S.Y.	0.00					
Liner Installation							
Item	Units	Materials	Premium	Materials	Premium	Materials	Premium
Finish grading large area	S.F.						
Compaction-riding, vibrating roller - 12in (300mm) lifts	S.F.						
Geotextile	S.F.						
Geonet	S.F.						
Geogrid	S.F.						
60 mil HDPE	S.F.	0.58					
Transport Costs							
Item	Units		Total		Total		Total
Ship/Barge Transport Cost	Cost/ton						
Rail Transport Cost	Cost/ton						
Air Transport Cost	Cost/ton						
Escort Vehicle Deadhead Rate	Cost/mi						
Construction Management Support							
Item	Units		Materials		Materials		Materials
Office Trailer, Furnished, no hook-ups	month		198.00				
Toilet Portable, chemical	month		198.00				
PRODUCTION OR DEWATERING WELL PUMP REMOVAL							
Item	Units	Labor	Equip	Labor	Equip	Labor	Equip
Pump Type							
Submersible ⁽¹⁰⁾	ft to pump	2.57	5.58				
Line Shaft ⁽¹⁰⁾	ft to pump	5.99	13.02				
NOTES:							
(10) Pump Removal Source:		NV costs					