

**Patriot Mining Company, Inc.
New Hill West Surface Mine
Stream Measurements – Tributary 1**

Station No.	Section Length	Section Width	Average Section Width	Section Area	Section Area	Depths at Station (Feet)			Comments
	(Feet)	(Feet)	(Feet)	(Feet ²)	(Acres)	Left	Middle	Right	
0+00		2.40					0.60		Confluence with Unnamed Tributary of Scotts Run/Intermittent
1+00	100	4.30	3.35	335.00	0.008		0.50		Culvert from station 1+11 to 1+40/Intermittent
1+13	13	2.95	3.63	47.13	0.001		0.40		Begin Impacts*/Intermittent
2+00	87	1.60	2.95	256.65	0.006		0.40		Impacts/Culvert from station 2+10 to 2+22/Intermittent
3+00	100	4.00	2.80	280.00	0.006		0.50		Impacts/Intermittent
4+00	100	4.40	4.20	420.00	0.010		0.40		Impacts/Intermittent
4+15	15	2.70	3.55	53.25	0.001		0.40		Impacts/Confluence with Tributary 1-1 on RDB at Station 4+15/No Good Indicators/Intermittent
5+00	85	1.00	1.85	157.25	0.004		0.40		Impacts/Intermittent
5+78	78	0.70	0.85	66.30	0.002		0.10		End Impacts/End of OHWM/Intermittent
Total Acres					0.038				
Total Acres Impacted By Temporary Mining Impacts					0.029				
Overall Avg. Width					2.67				
Overall Avg. Depth					0.41				

* Mine-Through No. 1 would result in mining through approximately 465 linear feet (0.029 acre) of intermittent channel extending from approximately Station 1+13 to Station 5.78.

**Patriot Mining Company, Inc.
New Hill West Surface Mine
Stream Measurements – Tributary 1-1**

Station No.	Section Length	Section Width	Average Section Width	Section Area	Section Area	Depths at Station (Feet)			Comments
	(Feet)	(Feet)	(Feet)	(Feet ²)	(Acres)	Left	Middle	Right	
0+00		0.50					0.20		Begin Impacts*/Confluence with Tributary 1 at Station 4+15/Intermittent
1+00	100	1.00	0.75	75.00	0.002		0.10		Impacts/Intermittent
2+00	100	0.40	0.70	70.00	0.002		0.10		Impacts/Intermittent
3+00	100	1.20	0.80	80.00	0.002		0.20		Impacts/Intermittent
3+25	25	1.10	1.15	28.75	0.001		0.20		End Impacts/Intermittent/End of OHWM
Total Acres					0.007				
Total Acres Impacted By Temporary Mining Impacts					0.007				
Overall Avg. Width					0.84				
Overall Avg. Depth					0.16				

* Mine-Through No. 1-1 would result in mining through approximately 325 linear feet (0.007 acre) of intermittent channel extending from Station 0+00 to Station 3+25.

**Patriot Mining Company, Inc.
New Hill West Surface Mine
Stream Measurements – Tributary 4**

Station No.	Section Length	Section Width	Average Section Width	Section Area	Section Area	Depths at Station (Feet)			Comments
	(Feet)	(Feet)	(Feet)	(Feet ²)	(Acres)	Left	Middle	Right	
0+00		0.40					0.10		Confluence with Scotts Run/Intermittent
1+30	130	2.70	1.55	201.50	0.005		0.60		Culvert 0+65 to 0+78/Culvert 0+97 to 1+30/Intermittent
2+00	70	3.20	2.95	206.50	0.005		0.50		No Good Indicators/Intermittent
3+00	100	3.70	3.45	345.00	0.008		0.40		Intermittent
3+80	80	2.55	3.13	250.00	0.006		0.45		No Good Indicators/E/I Point
4+00	20	2.55	2.55	51.00	0.001		0.45		No Good Indicators/Ephemeral
5+00	100	2.55	2.55	255.00	0.006		0.45		No Good Indicator/Ephemeral
5+15	15	1.98	2.27	33.98	0.001		0.45		Begin Impacts*/Ephemeral
6+00	85	1.40	1.98	167.88	0.004		0.50		Impacts/Ephemeral
7+00	100	1.25	1.33	132.50	0.003		0.40		Impacts/No Good Indicators/7+23 Punch Out RDB/Ephemeral
8+00	100	1.10	1.18	117.50	0.003		0.30		Impacts/Ephemeral

**Patriot Mining Company, Inc.
New Hill West Surface Mine
Stream Measurements – Tributary 4**

Station No.	Section Length	Section Width	Average Section Width	Section Area	Section Area	Depths at Station (Feet)			Comments
	(Feet)	(Feet)	(Feet)	(Feet ²)	(Acres)	Left	Middle	Right	
9+00	100	0.50	0.80	80.00	0.002		0.10		Impacts/Ephemeral
9+37	37	0.50	0.50	18.50	0.000		0.10		Impacts/No Good Indicators/Ephemeral/End OHWM
Total Acres					0.044				
Total Acres Impacted By Temporary Mining Impacts					0.012				
Overall Avg. Width					1.88				
Overall Avg. Depth					0.36				

- *Mine-Through No. 4 would result in mining through approximately 422 linear feet (0.012 acre) of ephemeral channel extending from Station 5+15 to Station 9+37.*

Patriot Mining Company, Inc.
New Hill West Surface Mine
Stream Measurements – Tributary 5

Station No.	Section Length	Section Width	Average Section Width	Section Area	Section Area	Depths at Station (Feet)			Comments
	(Feet)	(Feet)	(Feet)	(Feet ²)	(Acres)	Left	Middle	Right	
0+00		3.60					0.40		Unnamed Tributary of Scotts Run/Intermittent
1+00	100	2.80	3.20	320.00	0.007		0.40		Culvert from 0+10 to 0+70/Intermittent
2+00	100	1.90	2.35	235.00	0.005		0.40		Begin Culvert 2+58/Intermittent
3+43	143	4.20	3.05	436.15	0.010		0.20		End of Culvert 3+43/Intermittent
4+00	57	2.70	3.45	196.65	0.005		0.40		Intermittent
5+00	100	2.30	2.50	250.00	0.006		0.40		Intermittent
6+00	100	1.70	2.00	200.00	0.005		0.40		Intermittent
6+78	78	1.28	1.49	116.22	0.003		0.20		Begin Impacts*/Intermittent
7+00	22	0.85	1.28	28.16	0.001		0.20		Impacts/No Good Indicators/Intermittent
7+64	64	0.85	0.85	54.40	0.001		0.20		Impacts/No Good Indicators/Water Flowing Out of Pipe/Intermittent
Total Acres					0.043				
Total Acres Impacted By Temporary Mining Impacts					0.002				
Overall Avg. Width					2.22				
Overall Avg. Depth					0.32				

* Mine-Through No. 5 would result in mining through approximately 86 linear feet (0.002 acre) of intermittent channel extending from Station 6+78 to Station 7+64.

**Patriot Mining Company, Inc.
New Hill West Surface Mine
Stream Measurements – Tributary 6**

Station No.	Section Length	Section Width	Average Section Width	Section Area	Section Area	Depths at Station (Feet)			Comments
	(Feet)	(Feet)	(Feet)	(Feet ²)	(Acres)	Left	Middle	Right	
0+00		1.15					0.20		Confluence with Tributary 7 within existing excess spoil storage area/Rip Rap Channel/Intermittent
1+00	100	2.30	1.73	172.50	0.004		0.40		Begin Impacts/End Rip Rap Channel/Intermittent
2+00	100	3.90	3.10	310.00	0.007		0.30		Impacts/E/I Point
3+00	100	4.70	4.30	430.00	0.010		0.40		Impacts/Ephemeral
4+00	100	2.10	3.40	340.00	0.008		0.30		Impacts/Ephemeral
5+00	100	1.70	1.90	190.00	0.004		0.30		Impacts/Ephemeral
6+00	100	0.80	1.25	125.00	0.003		0.30		Impacts/Ephemeral
6+69	69	0.40	0.60	41.40	0.001		0.15		Impacts Ephemeral/End of OHWM
Total Acres					0.033				
Total Acres Impacted By Temporary Mining Impacts					0.037				
Overall Avg. Width					2.13				
Overall Avg. Depth					0.29				

**Mine-Through No. 6 would result in mining through approximately 100 linear feet (0.007 acre) of intermittent channel and 469 linear feet (0.026 acre) of ephemeral channel extending from Station 1+00 to Station 6+69.*

Patriot Mining Company, Inc.
New Hill West Surface Mine
Stream Measurements – Tributary 7

Station No.	Section Length	Section Width	Average Section Width	Section Area	Section Area	Depths at Station (Feet)			Comments
	(Feet)	(Feet)	(Feet)	(Feet ²)	(Acres)	Left	Middle	Right	
0+00		9.80					0.40		Confluence with Tributary 6/Rip Rap Channel in Existing Spoil Storage Area/Intermittent
1+00	100	5.80	7.80	780.00	0.018		0.33		No Good Indicators/Rip Rap Channel in Existing Spoil Storage Area/Intermittent
2+00	100	5.80	5.80	580.00	0.013		0.33		No Good Indicators/Rip Rap Channel in Existing Spoil Storage Area/Intermittent
3+00	100	1.80	3.80	380.00	0.009		0.25		Rip Channel in Existing Spoil Storage Area/Intermittent
3+61	61	4.10	2.95	179.95	0.004		0.38		Begin Impacts*/End Rip Rap Channel/Intermittent
4+00	39	6.40	4.10	159.90	0.004		0.50		Impacts/Intermittent
4+77	77	10.10	8.25	635.25	0.015		0.45		Impacts/Confluence with Tributary on LDB at 4+77/Culvert From 5+00 to 5+30/Intermittent

Patriot Mining Company, Inc.
New Hill West Surface Mine
Stream Measurements – Tributary 7

Station No.	Section Length	Section Width	Average Section Width	Section Area	Section Area	Depths at Station (Feet)			Comments
	(Feet)	(Feet)	(Feet)	(Feet ²)	(Acres)	Left	Middle	Right	
5+00	23	6.35	8.23	189.18	0.004		0.38		Begin Existing Culvert
5+30	30	2.60	6.35	190.50	0.004		0.30		End Existing Culvert
5+30	0	2.60	6.35	0.00	0.000		0.30		Impacts/Confluence with Tributary 9 on LDB at 5+30/E/I Point 5+30
5+67	37	2.25	2.43	89.73	0.002		0.20		Impacts/37 linear feet from confluence to fence line/Overland Sheet Flow/No Good Indicators/Ephemeral
6+30	63	2.25	2.25	141.75	0.003		0.20		Impacts/No Good Indicators/Channel Runs Through Actively Used Pasture/Ephemeral
7+30	100	1.90	2.08	207.50	0.005		0.10		Impacts/Pasture/Ephemeral
8+30	100	2.30	2.10	210.00	0.005		0.10		Impacts/Pasture/Ephemeral
8+82	52	3.60	2.95	153.40	0.004		0.55		End of Pasture 8+82/Ephemeral

Patriot Mining Company, Inc.
New Hill West Surface Mine
Stream Measurements – Tributary 7

Station No.	Section Length	Section Width	Average Section Width	Section Area	Section Area	Depths at Station (Feet)			Comments
	(Feet)	(Feet)	(Feet)	(Feet ²)	(Acres)	Left	Middle	Right	
9+82	100	2.40	3.00	300.00	0.007		0.20		Impacts/Ephemeral
10+82	100	2.10	2.25	225.00	0.005		0.15		Impacts/Ephemeral
11+56	74	2.30	2.20	162.80	0.004		0.25		Impacts/Ephemeral
11+82	26	3.30	2.80	72.80	0.002		0.18		Impacts/Existing Farm Pond/No Good Indicators/E/I Point
12+82	100	3.30	3.30	330.00	0.008		0.18		Impacts/Confluence with Tributary 7-3 on LDB at 13+73/No Good Indicators/Intermittent
13+82	100	4.30	3.80	380.00	0.009		0.10		Impacts/Intermittent
14+82	100	5.80	5.05	505.00	0.012		0.30		Impacts/Intermittent
15+82	100	3.20	4.50	450.00	0.010		0.80		Impacts/Intermittent
16+28	54	3.00	3.10	167.40	0.004		0.40		Impacts/Confluence with Tributary 7-1 at 16+28/Intermittent
16+82	46	2.60	2.80	128.80	0.003		0.40		Impacts/17+22 Emergent Wetland on RDB/Intermittent
17+82	100	1.80	2.20	220.00	0.005		1.00		Impacts/Intermittent
18+82	100	1.20	1.50	150.00	0.003		0.30		Impacts/Intermittent

**Patriot Mining Company, Inc.
New Hill West Surface Mine
Stream Measurements – Tributary 7**

Station No.	Section Length	Section Width	Average Section Width	Section Area	Section Area	Depths at Station (Feet)			Comments
	(Feet)	(Feet)	(Feet)	(Feet ²)	(Acres)	Left	Middle	Right	
19+13	31	1.30	1.55	48.05	0.001		0.20		End Impacts/Intermittent
19+82	69	1.40	1.30	89.70	0.002		0.20		Intermittent
20+40	58	1.50	1.45	84.10	0.002		0.20		Confluence with Tributary 7-2 at 20+40/E/I Point
20+86	46	1.60	1.55	71.30	0.002		0.10		End of OHWM/Ephemeral
Total Acres					0.170				
Total Acres Impacted By Temporary Mining Impacts					0.115				
Overall Avg. Width					3.44				
Overall Avg. Depth					0.31				

**Mine-Through No. 7 would result in mining through approximately 870 linear feet (0.078 acre) of intermittent channel and 652 linear feet (0.037 acre) of ephemeral channel extending from Station 3+61 to Station 5+00 and from Station 5:30 to Station 19+13.*

**Patriot Mining Company, Inc.
New Hill West Surface Mine
Stream Measurements – Tributary 7-1**

Station No.	Section Length	Section Width	Average Section Width	Section Area	Section Area	Depths at Station (Feet)			Comments
	(Feet)	(Feet)	(Feet)	(Feet ²)	(Acres)	Left	Middle	Right	
0+00		2.30					0.10		Begin Impacts*/Confluence with Tributary 7 at 16+27/Ephemeral
0+37	37	1.20	1.75	64.75	0.001		0.10		End Impacts/End of OHWM/Ephemeral
Total Acres					0.001				
Total Acres Impacted By Temporary Mining Impacts					0.001				
Overall Avg. Width					1.75				
Overall Avg. Depth					0.10				

**Mine-Through No. 7-1 would result in mining through approximately 37 linear feet (0.001 acre) of ephemeral channel extending from Station 0+00 to Station 0+37.*

**Patriot Mining Company, Inc.
New Hill West Surface Mine
Stream Measurements – Tributary 7-2**

Station No.	Section Length	Section Width	Average Section Width	Section Area	Section Area	Depths at Station (Feet)			Comments
	(Feet)	(Feet)	(Feet)	(Feet ²)	(Acres)	Left	Middle	Right	
0+00		2.10					0.20		Confluence with Tributary 7 at 20+40/Logging Road/Ephemeral
1+00	100	1.50	1.80	180.00	0.004		0.10		Logging Road/Ephemeral
1+40	40	0.60	1.05	42.00	0.001		0.10		Logging Road/Ephemeral/End of OHWM
Total Acres					0.005				
Total Acres Impacted By Temporary Mining Impacts					---				
Overall Avg. Width					1.40				
Overall Avg. Depth					0.13				

**Patriot Mining Company, Inc.
New Hill West Surface Mine
Stream Measurements – Tributary 7-3**

Station No.	Section Length	Section Width	Average Section Width	Section Area	Section Area	Depths at Station (Feet)			Comments
	(Feet)	(Feet)	(Feet)	(Feet ²)	(Acres)	Left	Middle	Right	
0+00		0.40					0.05		Begin Impacts*/Confluence with Tributary 7 at 13+73/Ephemeral
1+00	100	1.10	0.75	75.00	0.002		0.30		Impacts/Ephemeral
2+00	100	2.50	1.80	180.00	0.004		0.30		Impact/Channel Runs Through Logging Road Stations 2+42 Through 3+15/Ephemeral
2+09	9	1.90	1.50	13.50	0.000		0.35		End Impacts/Ephemeral
3+00	91	1.30	1.90	172.90	0.004		0.35		Ephemeral
4+00	100	0.80	1.05	105.00	0.002		0.25		Station 4+97-Swell Due to Ruts in Logging Road
5+00	100	0.80	0.80	80.00	0.002		0.18		No Good Indicators/Ephemeral

**Patriot Mining Company, Inc.
New Hill West Surface Mine
Stream Measurements – Tributary 7-3**

Station No.	Section Length	Section Width	Average Section Width	Section Area	Section Area	Depths at Station (Feet)			Comments
	(Feet)	(Feet)	(Feet)	(Feet ²)	(Acres)	Left	Middle	Right	
6+00	100	0.80	0.80	80.00	0.002		0.10		Ephemeral
6+88	88	0.80	0.80	70.40	0.002		0.10		No Good Indicators/Ephemeral - End OHWM
Total Acres					0.018				
Total Acres Impacted By Temporary Mining Impacts					0.006				
Overall Avg. Width					1.16				
Overall Avg. Depth					0.22				

**Mine-Through No. 7-3 would result in mining through approximately 209 linear feet (0.006 acre) of ephemeral channel extending from Station 0+00 to Station 2+09.*

Patriot Mining Company, Inc.
New Hill West Surface Mine
Stream Measurements – Tributary 8

Station No.	Section Length	Section Width	Average Section Width	Section Area	Section Area	Depths at Station (Feet)			Comments
	(Feet)	(Feet)	(Feet)	(Feet ²)	(Acres)	Left	Middle	Right	
0+00		6.80					0.60		Begin Impacts*/Confluence with Tributary 7 at Station 4+50/Intermittent
1+00	100	3.10	4.95	495.00	0.011		0.90		Impacts/Intermittent
1+39	39	5.80	6.30	245.70	0.006		0.60		End Impacts/Intermittent
2+00	61	5.80	4.45	271.45	0.006		0.60		Culvert from Station 2+10 to 2+31/2+40 Confluence with Tributary 8-1 on RDB/Intermittent
3+00	100	2.10	3.95	395.00	0.009		0.40		Intermittent
4+00	100	3.10	2.60	260.00	0.006		0.40		E/I Point
5+00	100	2.80	2.95	295.00	0.007		1.20		Culvert from 5+55 to 5+70/Ephemeral
6+00	100	1.75	0.70	70.00	0.002		0.70		No Good Indicators- Swell Until Station 6+60/Ephemeral

**Patriot Mining Company, Inc.
New Hill West Surface Mine
Stream Measurements – Tributary 8**

Station No.	Section Length	Section Width	Average Section Width	Section Area	Section Area	Depths at Station (Feet)			Comments
	(Feet)	(Feet)	(Feet)	(Feet ²)	(Acres)	Left	Middle	Right	
7+00	100	2.25	2.00	200.00	0.005		0.20		Culvert from 7+20 to 7+38/Ephemeral
8+00	100	0.60	1.43	142.50	0.003		0.30		Ephemeral
9+20	120	0.60	0.60	72.00	0.002		0.30		No Good Indicators/Ephemeral - End OHWM
Total Acres					0.057				
Total Acres Impacted By Temporary Mining Impacts					0.017				
Overall Avg. Width					3.15				
Overall Avg. Depth					0.56				

**Mine-Through No. 8 would result in mining through approximately 139 linear feet (0.017 acre) of intermittent channel extending from Station 0+00 to Station 1+39.*

Patriot Mining Company, Inc.
New Hill West Surface Mine
Stream Measurements – Tributary 8-1

Station No.	Section Length	Section Width	Average Section Width	Section Area	Section Area	Depths at Station (Feet)			Comments
	(Feet)	(Feet)	(Feet)	(Feet ²)	(Acres)	Left	Middle	Right	
0+00		1.70					0.30		Confluence with Tributary 8 at Station 2+40/Intermittent
0+51	51	1.30	1.50	76.50	0.002		0.30		Intermittent
1+13	62	1.30	1.30	80.60	0.002		0.30		E/I Point/No Good Indicators
1+51	38	1.30	1.30	49.40	0.001		0.30		Ephemeral
2+51	100	1.30	1.30	130.00	0.003		0.30		No Good Indicators/Ephemeral - End OHWM
Total Acres					0.008				
Total Acres Impacted By Temporary Mining Impacts					---				
Overall Avg. Width					1.38				
Overall Avg. Depth					0.30				

**Patriot Mining Company, Inc.
New Hill West Surface Mine
Stream Measurements – Tributary 9**

Station No.	Section	Section	Average	Section	Section	Depths at Station			Comments
	Length	Width	Section	Area	Area	(Feet)			
	(Feet)	(Feet)	Width	(Feet ²)	(Acres)	Left	Middle	Right	
0+00	0	3.20	---	0.00	---		0.50		Begin Impacts*/Confluence with Tributary 7 at Station 5+30/No Good Indicators/Intermittent
0+30	30	3.20	3.20	96.00	0.002		0.50		End Impacts/Begin Culvert 0+30/No Good Indicators/Intermittent
0+54	24	3.20	3.20	76.80	0.002		0.50		End Culvert/No Good Indicators/Intermittent
0+54	0	3.20	3.20	0.00	0.000		0.50		Begin Impacts/End Culvert/No Good Indicators/Intermittent
1+00	46	3.20	3.20	147.20	0.003		0.50		Impacts/No Good Indicators/Intermittent
1+51	51	3.20	3.20	163.20	0.004		0.50		End Impacts/Intermittent
2+00	49	3.2	3.2	156.8	0.004		0.5		No Good Indicators/Rip Rap Channel in Existing Spoil Storage Area/Intermittent
3+00	100	2.3	2.75	275	0.006		0.4		Intermittent
4+00	100	2.5	2.4	240	0.006		0.4		Intermittent

**Patriot Mining Company, Inc.
New Hill West Surface Mine
Stream Measurements – Tributary 9**

Station No.	Section	Section	Average	Section	Section	Depths at Station			Comments
	Length	Width	Section	Area	Area	(Feet)			
	(Feet)	(Feet)	Width	(Feet ²)	(Acres)	Left	Middle	Right	
5+00	100	2.1	2.3	230	0.005		0.4		Intermittent
6+00	100	4.3	3.2	320	0.007		0.3		Intermittent
7+00	100	4.4	4.35	435	0.01		0.4		Wetland located off LDB at Station 7+48/Culvert from 7+87 to 8+00/Intermittent
8+00	100	3.4	3.9	390	0.009		0.35		Wetland Located at Station 8+00/No Good Indicators/Intermittent
9+00	100	2.4	2.9	290	0.007		0.3		Intermittent
10+00	100	3.2	2.8	280	0.006		0.3		Intermittent
11+00	100	4.2	3.7	370	0.008		0.3		Intermittent
12+00	100	3.8	4	400	0.009		0.3		Intermittent
13+00	100	1.6	2.7	270	0.006		0.5		Culvert from 13+35 to 13+50/Intermittent
14+00	100	1.8	1.7	170	0.004		0.4		Confluence with Trib 9-1 on LDB Station 14+81/Culvert from 14+90 to 15+05/Intermittent
15+05	105	1.1	1.45	152.25	0.003		0.2		Intermittent

Patriot Mining Company, Inc.
New Hill West Surface Mine
Stream Measurements – Tributary 9

Station No.	Section	Section	Average	Section	Section	Depths at Station			Comments
	Length	Width	Section	Area	Area	(Feet)			
	(Feet)	(Feet)	Width	(Feet ²)	(Acres)	Left	Middle	Right	
16+00	95	1.55	1.33	125.88	0.003		0.4		No Bed and Bank Through Station 16+74
16+00 thru 16+74	---	---	---	---	---		---		Area of Atypical Hydrology
16+74	0	1.55	---	---	---		0.4		No Good Indicators/Intermittent
17+00	26	2	1.78	46.15	0.001		0.6		Intermittent
18+00	100	2.8	2.4	240	0.006		0.5		Intermittent
19+00	100	1.1	1.95	195	0.004		0.3		Intermittent
20+00	100	0.6	0.85	85	0.002		0.2		Intermittent
21+00	100	0.6	0.6	60	0.001		0.2		Intermittent
21+20	20	0.6	0.6	12	0.000		0.2		No Good Indicators/Intermittent
21+20 thru 25+00	---	---	---	---	---		---		Area of Atypical Hydrology/Open Water Located at 23+00/Culvert Extending 15 ft. Located at Station 23+51
25+00	0	2.4	---	---	---		0.3		Culvert from 25+10 to 25+25/Intermittent

**Patriot Mining Company, Inc.
New Hill West Surface Mine
Stream Measurements – Tributary 9**

Station No.	Section	Section	Average	Section	Section	Depths at Station			Comments
	Length	Width	Section	Area	Area	(Feet)			
	(Feet)	(Feet)	Width	(Feet ²)	(Acres)	Left	Middle	Right	
25+25	25	2.4	2.4	60	0.001		0.3		No Good Indicators/Intermittent
25+25 thru 25+63	---	---	---	---	---		---		Area of Atypical Hydrology
25+63	0	2.4	---	---	---		0.3		No Good Indicators/Intermittent
26+21	59	2.4	2.4	141.6	0.003		0.3		No Good Indicators/Intermittent
26+21 thru 26+91	---	---	---	---	---		---		Area of Atypical Hydrology
26+91 thru 27+51	---	---	---	---	---		---		Open Waters
27+51	0	2.1	---	---	---		0.2		E/I Point
27+61	10	2.1	2.1	21	0.000		0.2		No Good Indicators/Ephemeral
27+61 thru 29+15	---	---	---	---	---		---		No Good Indicators/Area of Atypical Hydrology - Swell/Ephemeral
29+15	0	0.7	---	---	---		0.2		Channel Resumes/Ephemeral
29+51	36	0.5	0.6	21.6	0.000		0.3		Ephemeral

**Patriot Mining Company, Inc.
New Hill West Surface Mine
Stream Measurements – Tributary 9**

Station No.	Section	Section	Average	Section	Section	Depths at Station			Comments
	Length	Width	Section	Area	Area	(Feet)			
	(Feet)	(Feet)	Width	(Feet ²)	(Acres)	Left	Middle	Right	
29+53	2	0.6	0.55	1.1	0.000		0.3		Ephemeral
29+53 thru 30+28	---	---	---	---	---		---		No Good Indicators/Area of Atypical Hydrology - Swell/Ephemeral
30+28	0	0.7	---	---	---		0.3		Confluence with Tribs 9-2, 9-3, and 9-4 on LDB at Station 30+51/No Good Indicators/Ephemeral
31+28	100	0.7	0.7	70	0.002		0.3		No Good Indicators/End OHWM/Ephemeral
Total Acres					0.124				
Total Acres Impacted By Temporary Mining Impacts					0.009				
Overall Avg. Width					2.21				
Overall Avg. Depth					0.35				

**Mine-Through No. 9 would result in mining through approximately 127 linear feet (0.009 acre) of intermittent channel extending from Station 0+00 to Station 0+30 and from Station 0+54 to Station 1+51.*

**Patriot Mining Company, Inc.
New Hill West Surface Mine
Stream Measurements – Tributary 9-1**

Station No.	Section Length	Section Width	Average Section Width	Section Area	Section Area	Depths at Station (Feet)			Comments
	(Feet)	(Feet)	(Feet)	(Feet ²)	(Acres)	Left	Middle	Right	
0+00		0.80					0.30		Confluence with Tributary 9 at Station 14+81/Intermittent
1+00	100	0.60	0.70	70.00	0.002		0.30		Intermittent
1+59	59	0.60	0.60	35.40	0.001		0.30		No Good Indicators- Concrete Grouted Channel/E/I Point
2+06	47	0.60	0.60	28.20	0.001		0.30		Begin Culvert - No Good Indicators/Ephemeral
2+36	30	0.60	0.60	18.00	0.000		0.30		End Culvert- Beginning of Rubber Mat Lined Channel/No Good Indicators/Ephemeral
3+20	84	0.60	0.60	50.40	0.001		0.30		End of Rubber Mat Lined Channel/No Good Indicators/Ephemeral/End OHWM
Total Acres					0.005				
Total Acres Impacted By Temporary Mining Impacts					---				
Overall Avg. Width					0.63				
Overall Avg. Depth					0.3				

Patriot Mining Company, Inc.
New Hill West Surface Mine
Stream Measurements – Tributary 9-2

Station No.	Section Length	Section Width	Average Section Width	Section Area	Section Area	Depths at Station (Feet)			Comments
	(Feet)	(Feet)	(Feet)	(Feet ²)	(Acres)	Left	Middle	Right	
0+00		0.30					0.20		Confluence with Tributary 9 at Station 30+51/No Good Indicators/Ephemeral
0+30	30	0.30	0.30	9.00	0.0002		0.20		Ephemeral/End OHWM
Total Acres					0.0002				
Total Acres Impacted By Temporary Mining Impacts					---				
Overall Avg. Width					0.3				
Overall Avg. Depth					0.2				

Patriot Mining Company, Inc.
New Hill West Surface Mine
Stream Measurements – Tributary 9-3

Station No.	Section Length	Section Width	Average Section Width	Section Area	Section Area	Depths at Station (Feet)			Comments
	(Feet)	(Feet)	(Feet)	(Feet ²)	(Acres)	Left	Middle	Right	
0+00		0.40					0.20		Confluence with Tributary 9 at Station 30+51/No Good Indicators/Ephemeral
0+25	25	0.40	0.40	10.00	0.0002		0.20		Ephemeral/End OHWM
Total Acres					0.0002				
Total Acres Impacted By Temporary Mining Impacts					---				
Overall Avg. Width					0.40				
Overall Avg. Depth					0.20				

**Patriot Mining Company, Inc.
New Hill West Surface Mine
Stream Measurements – Tributary 9-4**

Station No.	Section Length	Section Width	Average Section Width	Section Area	Section Area	Depths at Station (Feet)			Comments
	(Feet)	(Feet)	(Feet)	(Feet ²)	(Acres)	Left	Middle	Right	
0+00		0.40					0.20		Confluence with Tributary 9 at Station 30+51/No Good Indicators/Ephemeral
0+32	32	0.40	0.40	12.80	0.0003		0.20		Ephemeral/End OHWM
Total Acres					0.0003				
Total Acres Impacted By Temporary Mining Impacts					---				
Overall Avg. Width					0.40				
Overall Avg. Depth					0.20				

**Patriot Mining Company, Inc.
New Hill West Surface Mine
Stream Measurements – Tributary 10**

Station No.	Section Length	Section Width	Average Section Width	Section Area	Section Area	Depths at Station (Feet)			Comments
	(Feet)	(Feet)	(Feet)	(Feet ²)	(Acres)	Left	Middle	Right	
0+00		1.60					0.50		Confluence with Scotts Run/Rip Rap Channel/Culvert from Station 0+12 to 0+27/Intermittent
1+86	186	2.30	1.95	362.70	0.008		0.30		Intermittent
2+00	14	2.20	2.25	31.50	0.001		0.30		No Good Indicators/Intermittent
3+00	100	2.65	2.43	242.50	0.006		0.30		Intermittent
4+00	100	6.40	4.53	452.50	0.010		0.30		No Good Indicators/Intermittent
5+00	100	3.20	4.80	480.00	0.011		0.30		Intermittent
5+84	84	3.00	3.10	260.40	0.006		0.30		E/I Point 5+84
6+00	16	1.85	2.43	38.80	0.001		0.25		No Good Indicators/Rip Rap Channel thru Station 6+85/Ephemeral
6+44	44	1.85	2.43	106.70	0.002		0.25		Begin Impacts*/No Good Indicators/Rip-Rap Channel/Ephemeral

**Patriot Mining Company, Inc.
New Hill West Surface Mine
Stream Measurements – Tributary 10**

Station No.	Section Length	Section Width	Average Section Width	Section Area	Section Area	Depths at Station (Feet)			Comments
	(Feet)	(Feet)	(Feet)	(Feet ²)	(Acres)	Left	Middle	Right	
7+00	56	1.85	1.85	103.60	0.002		0.25		Impacts/No Good Indicators/Rip-Rap Channel/Ephemeral
8+00	100	1.85	1.85	185.00	0.004		0.25		Impacts/No Good Indicators/Rip-Rap Channel/Ephemeral/Channel Becomes Road Ditch Beginning at Station 8+78/Culvert Located at Station 8+61
8+61	61	1.85	1.85	112.85	0.003		0.20		Impacts/Road Ditch/Ephemeral/End of Jurisdictional Channel/Existing Culvert
Total Acres					0.054				
Total Acres Impacted By Temporary Mining Impacts					0.009				
Overall Avg. Width					2.55				
Overall Avg. Depth					0.29				

**Mine-Through No. would result in mining through approximately 217 linear feet (0.009 acre) of ephemeral channel extending from Station 6+44 to Station 8+61.*