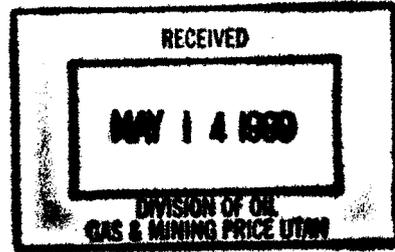




Willow Creek Mine
847 Northwest Highway 191
Helper, Utah 84526
(435) 472-0475
Fax: (435) 472-4780

May 14, 1999



Utah Coal Regulatory Program
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Attention: Pamela Grubaugh-Littig

ACT/007/006 #6

RE: Submittal of Annual Report for 1998, Cyprus Plateau Mining Corporation, Star Point Mine, ACT/007/006, Folder #2, Carbon County, Utah

Dear Ms. Grubaugh-Littig:

Enclosed please find two copies of the aforementioned. Due to the way we assembled our annual report, we are unable to provide the information in the fashion requested by the Division. Additionally, I have notified the USFS numerous times that Cyprus needs a copy of the 1998 Macroinvertebrate Report, but have yet to receive the Report. Once Cyprus receives a copy of the Report, it will forward the Division two copies.

If you have any questions, please do not hesitate to contact me at (435) 472-4741.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Johnny Pappas'.

Johnny Pappas
Sr. Environmental Engineer

Enclosures

GENERAL INFORMATION

1. Permit Number	ACT/007/006
2. Mine Name	Star Point Mines
3. Permittee Name	Cyprus Plateau Mining Corporation
4. Operator Name (if other than Permittee)	
5. Permit Expiration Date	January 29, 2002
6. Company Representative, Title	Johnny Pappas, Sr. Environmental Engineer
7. Phone Number	(435) 472-4741
8. Fax Number	(435) 472-4782
9. Mailing Address	847 Northwest Highway 191 Helper, Utah 84526
10. Resident Agent, Title	C.T. Corporation System
Mailing Address	50 West Broadway Salt Lake City, Utah 84101

IDENTIFICATION OF OTHER PERMITS

Identify other permits which are required in conjunction with mining and reclamation activities.

Permit Type	ID Number	Description	Expires on
1. MSHA Mine ID(s)	42-00171	Legal Identity	
2. MSHA Impoundment(s)	N/A		
3. NPDES/UPDES Permit(s) (water)	UT0023736	UPDES Permit	12/31/01
4. PSD (Air) Permit(s)	DAQE-886-96	Approval Order	
5.			
6.			

CERTIFIED REPORTS

List the certified inspection reports as required by the rules and under the approved plan which must be periodically submitted to the Division. Specify whether the information is included as APPENDIX A to this Annual Report or currently ON FILE with the Division.

Certified Reports:	Reports Required?		INCLUDED or ON FILE w/DOGM?			Comments
	YES	NO	YES	NO	ON FILE	
1. Excess Spoil Piles		X				
2. Refuse Piles	X		X			
3. Impoundments	X		X			
4.						
5.						

REPORTING OF OTHER TECHNICAL DATA

List other technical data and information as required under the approved plan which must be periodically submitted to the Division. Specify whether the information is included as APPENDIX B to this Annual Report or currently ON FILE with the Division.

Technical Data:	Reports Required?		INCLUDED or ON FILE w/DOGM?			Comments
	YES	NO	YES	NO	ON FILE	
1. Climatological Data		X				
2. Subsidence Monitoring Data	X		X			
3. Vegetation Monitoring Data	X		X			COLOR INFRARED PHOTOGRAPHY
4. Raptor Data	X		X			
5. Soils Monitoring Data		X				
6. Water Monitoring Data	X					
First Quarter Report					X	
Second Quarter Report					X	
Third Quarter Report					X	
Fourth Quarter Report					X	
7. Geological/Geophysical Data		X				
8. Engineering Data		X				
9. Other Data						
10. Macroinvertebrate Report	X		X			NOT RECEIVED FROM USFS

APPENDIX A

Certified Reports

Excess Spoil Piles
Refuse Piles
Impoundments

as required under R645-301-514

CONTENTS

Annual Sediment Pond Certification

Quarterly Refuse Pile Certifications

Cyprus Plateau Mining Corporation

1998 Sediment Pond Certification

I hereby certify that I am a Registered Professional Engineer in the State of Utah. I certify that I have made an inspection of Sediment Ponds 1 through 9, and three water impoundments, at Cyprus Plateau Mining Corporation's Star Point Mine. All of the pond embankments appear to be stable and in good physical condition. There are no apparent structural weaknesses or other hazardous conditions. Pond number 8 has reached clean out level, and is actively being cleaned. I certify that I have reviewed the documentation pertaining to Attachment A, and that to the best of my knowledge the information shown thereon is accurate.


T. Arthur Palm



Date: 1/2/99

Attachment A Sediment Ponds Storage Capacities

Pond	Date	Decant Elevation	Sediment Storage Capacity in A.F.	Sediment Storage Volume Used in %	Sediment Storage Volume Remaining in A.F.
1	12/4/98	8302.10	0.36	0*	0.36
2	12/4/98	7718.75	1.92	10*	1.73
3	12/4/98	8100.85	1.77	33*	1.19
4	12/4/98	7313.00	0.44	10*	0.36
5	12/4/98	7393.00	2.42	36*	1.55
6	12/4/98	7142.70	0.76	0*	0.76
7	12/4/98	7206.00	0.04	20*	0.03
8	12/4/98	7049.90	1.10	56*	0.48
9	12/4/98	7439.30	2.02	10*	1.82
⊕Wash Plant East	12/4/98	7480.00	N/A	N/A	N/A
⊕Wash Plant West	12/4/98	7483.00	N/A	N/A	N/A
⊕Wash Plant Clear Water	12/4/98	7468.50	N/A	N/A	N/A

* Based on estimates and/or second or third quarter inspections. Late summer thunderstorms during 1998, hindered accurate sediment level reading due to pond containing water.

⊕ Preparation Plant was shut down in November 1997, thereby not requiring use of ponds thereafter.

REFUSE PILE CERTIFICATION
First Quarter 1998

I have inspected the refuse pile at Cyprus Plateau Star Point Mine. There is some standing water on the pile, indicative of the snow melt currently taking place. However, to the best of my knowledge and belief, this facility is in compliance with its permit, and applicable state and federal regulations.


T. Arthur Palm



4-1-98
Date

REFUSE PILE CERTIFICATION
Second Quarter 1998

I have inspected the refuse pile at Cyprus Plateau Star Point Mine. The structure is dry, currently being graded, with no active refuse disposal at this time. To the best of my knowledge and belief, this facility is in compliance with its permit, and applicable state and federal regulations.


T. Arthur Palm



2-1-98
Date

REFUSE PILE CERTIFICATION
3rd Quarter 1998

I have inspected the refuse pile at Star Point Mine, and to the best of my knowledge and belief, it is being maintained per the requirements of the permit and applicable regulations.



T. Arthur Palm

9/30/98
Date



**Cyprus Plateau Mining Corporation
Quarterly Refuse Pile Certification
Fourth Quarter, 1998**

I hereby certify that I am a Registered Professional Engineer in the State of Utah. I certify that I have made an inspection of the coal processing refuse pile at Cyprus Plateau Mining Corporation's Star Point Mine in Carbon County Utah. To the best of my knowledge and belief, the refuse pile has been constructed and maintained as designed.

There are no apparent areas of instability, structural weakness or other hazardous conditions. The refuse pile is currently not being use for disposal.



T. Arthur Palm



Date: 1/2/99

Surface Affects of Underground Mining
on the Major Plant Communities
Of the Star Point Mine, Utah

A Study From Aerial Photography
(1980-1998)



Prepared by

MT. NEBO SCIENTIFIC, INC.

330 East 400 South, Suite 6

Springville, Utah 84663

(801) 489-6937

Patrick D. Collins, Ph.D.

for

CYPRUS PLATEAU MINING CORPORATION

847 Northwest Highway 191

Helper, Utah 84526

February 1999

INTRODUCTION

It has long been postulated that underground coal mining and subsequent subsidence could impact or at least influence the native plant communities that exist on the surface of the land. As land owners and managers of the property, the USDA Forest Service had requested previously that Cyprus Plateau Mining Corporation (CPMC) monitor potential impacts by using aerial photography as a method to identify and quantify *major* vegetation changes or even *minor* changes near springs.

A similar study to monitor the affects of subsidence to vegetation was conducted in 1994 by the JBR Environmental, Inc. (JBR). The results in JBR's report were utilized in this study so that: 1) efforts would not be duplicated, 2) it would be possible to monitor the changes in the vegetation as reported by them, and 3) existing information could be expanded upon by more recent aerial photography.

METHODS

The study was prepared in its entirety by the use of five (5) sets of stereo-scope aerial photograph pairs taken from above the Star Point Mine's permit area. The five sets of photographs were taken on four different years including 1980, 1985, 1993 and 1998 (there were two sets of photographs for the year 1985). All aerial photographs were color infrared with the exception of

the second set of 1985 photographs which were standard color. All photographs were taken in August or September of the year. The flight lines for each year of photography along with the approximate sequential position of each photograph are shown in Figures 1-5.

All aerial photograph flight lines were placed in the appropriate position to make comparisons for the study. Permit area boundaries of the Star Point Mine were superimposed over the 1980 and 1998 aerial photographs, and also USGS 7.5 minute quadrangle maps.

The 1994 JBR study compared and noted possible changes in vegetation patterns in the 1980 and 1993 aerial photographs. If a change was noted in a specific area, the 1985 photographs (they cited 1986) in that area were also compared in an effort to determine when the changes may have occurred. Because these changes had already been noted by JBR, our study focused on the changes from 1993 to 1998, but also used the 1980 and both sets of 1985 photographs for additional reference information. The entire permit area, with the exception of a few relatively small areas that were not covered in the flight lines, was examined in the 1993 and 1998 photographs using two 7 cm x 7 cm view finders and stereo scopes. When potential changes were noted, the remaining 1980 and two sets of 1985 aerial photographs were also utilized. All photographs for 1980, 1985, and 1993 were utilized to monitor or update the changes noted in the JBR study by comparisons with the new 1998 photographs.

All spring areas noted on the USGS quadrangle and JBR maps were scrutinized. All photographs taken in 1980, 1985, 1993 and 1998 were utilized to assess all spring areas.

RESULTS

There were no major changes as a result from underground mining activities and subsequent subsidence to the plant communities observed from 1993 and 1998 photographs.

There were 11 locations in the vegetation and 2 locations of springs for changes noted in the 1994 JBR study from 1980 to 1993. (A copy of this report excluding their map has been included in an appendix in this document). In an attempt to monitor the changes noted in this study, each of these changes was also scrutinized with the new photography. Site Number 1 was observed in a Mountain Grassland community and was approximately 0.5 acres. To us, this appeared to be man-made disturbance using heavy equipment, not the affects of subsidence by mining. This disturbance was also visible in the 1998 photographs, but was not as obvious, probably because the area has begun to re-colonize with native pioneer and “weedy” plant species.

Site Numbers 2 and 3 were changes noted in the Douglas Fir/Aspen community with 3.0 and 1.0 acres of disturbance, respectively. These changes were noted as “potential dead aspen”. In the 1998 infrared photographs these areas appeared to have recovered now showing no significant differences when compared back to the 1980 photographs. Site Numbers 5-11 and 13 were also noted as changes in the vegetation or potentially “dead aspen” by the earlier study. These areas comprised approximately 11.2 acres in the Aspen community. When each of these areas were observed comparing all early photographs with the 1998 photographs, the areas also seem to have recovered and show no significant differences when compared to the earliest photographs. Site

Number 12 was definitely a stand of dead aspen. Further examination of the earliest photographs (1980) revealed the cause was most likely fire. The later photographs showed the fire damaged area being invaded by herbaceous and small woody species. It has become an “open meadow” area within the aspen forest at this time.

The spring areas were more difficult to assess using only aerial photography. First, 5 springs were noted on the USGS Wattis, Utah 7.5 minute quadrangle map (1979). The spring located in the NW1/4 of Section 15, T15S, R7E “appeared” more dry in 1998 when compared to 1980 and 1993 (there was no coverage in this area in the two 1985 photograph sets). This statement is speculative, however, and may be a result of different flight dates between years and the relative small acreage of these sites. September is a better time of year to observe wetlands by aerial photography when compared to August. All photographs were taken in September with the exception of the most recent photographs (1998) which were flown in August.

There were also 3 spring sites observed in the NE1/4 of Section 14, T15S, R7E. These sites appeared similar in 1998 when compared to 1980, so the years in-between were not compared. Another spring was noted in the SE1/4 of the same section. This spring “appeared” drier in 1998 when compared to 1980 and 1993. There was no coverage of this area in the 2 sets of the 1985 maps.

The JBR report noted only 2 springs in their study. These springs were also compared in 1998 and all earlier photographs. These springs were reported as “potentially dry” marked on the aerial

photographs by JBR. These sites were marked in the NE1/4 of Section 23 and the SW1/4 of T15S, R7E. Again, they appeared dry in the 1998 photographs, but as mentioned in the paragraph above, it may be a result of different flight dates between years and the relative small acreage of these sites.

DISCUSSION

There was a very good representation of aerial infrared and color photographs to be used to observe and compare between the years' 1980 and 1998 [1980, 1985 (2 sets), 1993 and 1998]. The later 2 years were at a slightly different scale (1"=500') compared to the earlier photographs (1"=400'). This made comparisons somewhat more difficult, but did not change the results of the study. Additionally, the most recent photographs were taken in August compared to September for the previous years' photographs. This made it more difficult to differentiate between herbaceous, shrub and sub-shrub community changes. Again, with careful observation, significant changes would have been observed – at least in the major vegetation types. However, as mentioned previously, the observable differences in the spring areas may be the result of these different flight dates and also the relative small acreage of these sites. September is a much better time of year to observe wetlands by aerial photography when compared to August. To assess the differences for the spring areas, on-site field work would need to be conducted during the growing season and/or the comparison of aerial photographs flown on dates closer to each other.

Most of the changes to the vegetation observed and noted in the 1994 JBR study do not appear to

be significant in our study. This could be explained several ways. First, perhaps in 1993 these areas were defoliated by insects or even clonal variations in the genotype linked to when the trees loose their leaves in the Fall. Also, camera angle, light differences, flight date differences, and time-of-day variations could account for vegetation patterns to appear dissimilar, or in the previous study's case, dead or dying trees.

However, with the possible exception of the spring areas for the reasons explained above, it appears that underground mining and subsidence as a result from it has not significantly changed major plant community types in the Star Point Mine permit area.

**Figure 1:
Star Point Mine
Aerial Flight Lines
(1980)**

					6-181		
					6-180		
			4-152	5-167	6-179	7-192	
		3-126	4-151	5-166	6-178	7-191	
		3-125	4-150	5-165	6-177	7-190	8-204
		3-124	4-149	5-164	6-176	7-189	8-203
		3-123	4-148	5-163	6-175	7-188	8-202
1-88	2-105	3-122	4-147	5-162	6-174	7-187	8-201
1-87	2-104	3-121	4-146	5-161	6-173	7-186	8-200
1-86	2-103	3-120	4-145	5-160	6-172	7-185	8-199
1-85	2-102	3-119	4-144	5-159	6-171	7-184	8-198*
1-84	2-101	3-118	4-143	5-158	6-170	7-183	8-197*
1-83	2-100	3-117	4-142	5-157	6-169	7-182	8-196
1-82	2-99	3-116	4-141	5-156	6-168		8-195
1-81	2-98	3-115	4-140	5-155			
1-80	2-97	3-114	4-127	5-154			
1-79	2-96	3-113	4-127	5-153			
1-78	2-95	3-112	4-129				
1-77	2-94	3-111	4-130				
1-76	2-93	3-110	4-131				
1-75	2-92	3-109	4-132				
1-74	2-91	3-108	4-133				
1-73	2-90	3-107	4-134				
	2-89	3-106	4-135				
			4-136				
			4-137				

* Photographs missing from the set.

Figure 2: Star Point Mine Aerial Flight Lines (1985)					
2-91					
2-90					
2-89		4-133	5-134	6-147	7-170
2-88	3-92A	4-132	5-135	6-148	7-169
2-87	3-92B	4-131	5-136	6-149	7-168
2-86	3-92C	4-130	5-137	6-150	7-167
2-85	3-92D	4-129	5-138	6-151	7-166
2-84	3-92E	4-128	5-139	6-152	7-165
2-83	3-92F	4-127	5-140	6-153	7-164
2-82		4-126	5-141	6-154	7-163
2-81		4-125	5-142	6-155	7-162
2-80		4-124	5-143	6-156	
2-79		4-123	5-144		
2-78		4-122	5-145		
		4-121	5-146		
		4-120			

Figure 3: Star Point Mine Aerial Flight Lines: Color (1985)					
		4-41	5-76	6-79	7-97
	3-37	4-42	5-75	6-80	7-96
2-5	3-36	4-43	5-74	6-81	7-95
2-6	3-35	4-44	5-73	6-82	7-94
2-7	3-34	4-45	5-72	6-83	7-93
2-8	3-33	4-46	5-71	6-84	7-92
2-9	3-32	4-47	5-70	6-85	7-91
2-10	3-31	4-48	5-69		
2-11	3-30	4-49	5-68		
	3-29	4-50			
	3-28	4-51			
	3-27	4-52			

Figure 4: Star Point Mine Aerial Flight Lines (1993)						
1-01						
1-02						
1-03	2-01				6-01	
1-04	2-02	3-01			6-02	
1-05	2-03	3-02	4-01	5-01	6-03	
1-06	2-04	3-03	4-02	5-02	6-04	
1-07	2-05	3-04	4-03	5-03	6-05	
1-08	2-06	3-05	4-04	5-04	6-06	7-01
1-09	2-07	3-06	4-05			7-02
1-10	2-08		4-06			7-03
1-11	2-09					7-04
1-12	2-10					
1-13	2-11					
1-14	2-12					

Figure 5: Star Point Mine Aerial Flight Lines (1998)							
1-01							
1-02	2-01	3-01			6-01	7-01	
1-03	2-02	3-02			6-02	7-02	
1-04	2-03	3-03	4-01	5-01	6-03	7-03	
1-05	2-04	3-04	4-02	5-02	6-04	7-04	
1-06	2-05	3-05	4-03	5-03	6-05	7-05	
1-07	2-06	3-06	4-04	5-04	6-06	7-06	8-01
1-08	2-07	3-07	4-05	5-05	6-07	7-07	8-02
1-09	2-08	3-08	4-06	5-06	6-08	7-08	
1-10	2-09	3-09	4-07	5-07	6-09		
1-11	2-10	3-10		5-08			
	2-11	3-11					
	2-12	3-12					
	2-13	3-13					
	2-14	3-14					
		3-15					

APPENDIX



CONSULTANTS GROUP

GEOLOGY

ENGINEERING

ENVIRONMENT

HYDROLOGY

April 26, 1994

Ben Grimes - Senior Environmental Engineer
Cyprus Plateau Mining Corporation
P.O. Box PMC
Price, Utah 84501

Dear Ben:

We have completed our examination of the aerial photographs you delivered to us. According to Carter Reed and Bob Thompson with the Manti-LaSal National Forest, our objective was to note and quantify any major vegetation changes, or any small changes near springs, which could be associated with ground subsidence or groundwater alterations within an area which you defined on a map you included with the photos, and which could be associated with the Cyprus Plateau Mining Company's underground mining operation (Figure 1).

METHODS

To accomplish this task, we first compared aerial photos of the study area taken in 1993 with those taken in 1980. Any changes noted on the 1993 photos were then compared with 1986 photos in an effort to determine when such changes may have occurred. Following this, changes were then digitized using Autocadd. Changes were then quantified by area and the resultant map was plotted for use in any subsequent groundtruthing (Figure 2).

RESULTS

Possible changes in vegetation were noted at 11 locations. Possible changes to springs were also noted at 2 locations. None of these changes should be considered significant, as none encompassed more than 4.0 acres. Sites #5 through #11 are in close proximity, but cumulatively encompass only 7.2 acres. Table 1 below lists these changes by vegetation type, and approximate acreage.

Principal Office:
8160 South Highland Drive, Suite A-4
Sandy, Utah 84093
(801) 943-4144
Fax: (801) 942-1852

Reno Office:
1575 Delucchi Lane, Suite 220
Reno, Nevada 89502
(702) 828-4558
Fax (702) 828-4651

Cedar City Office:
865 South Cedar Knolls West
Cedar City, Utah 84720
(801) 586-8793

Table 1 Possible Vegetation Changes

SITE NUMBER	VEGETATION TYPE	APPROXIMATE ACREAGE
1	Mountain Grassland	0.5
2	Douglas Fir/Aspen	3.0
3	Douglas Fir/Aspen	1.0
4	Spring	0.3
5	Aspen	0.4
6	Aspen	3.0
7	Aspen	0.8
8	Aspen	0.4
9	Aspen	0.4
10	Aspen	1.8
11	Aspen	0.4
12	Spring	0.3
13	Aspen	4.0

DISCUSSION

Only site #13 is truly a dead stand of trees - in this case Aspen. However, this apparent "die-off" predates 1980 and is not in the area identified by you as the area of concern. All other apparent changes are questionable. We do not feel that any of the changes listed above should be considered significant as in no instance do these changes exceed four acres per site.

There may be several possible explanations for the changes we observed including; insect damage, disease, possible ground subsidence, groundwater alterations, weather conditions, etc. However, we feel that the changes we observed are most likely season related, manifested by the defoliation of deciduous trees in late September of 1993.

Ben Grimes
Cyprus Plateau Mining Corp.

Page 3

The differences in the flight dates of the 1980 and 1993 photos may explain the apparent differences observed. The 1980 photos taken in early September (September 3, 1980) and the 1993 photos taken later in the month (September 27, 1993). Photos, of areas not in the immediate area of concern, showed similar changes, and snow cover is apparent in the 1993 photos, whereas it is not in the 1980 photos. Upon comparison with photos taken on October 15, 1986, there were similar differences which were even more pronounced. In addition, these 1986 photos showed an even greater snow cover than the 1993 photos.

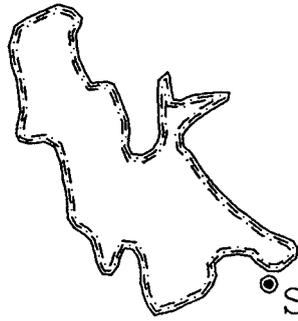
If the Forest Service desires further information regarding these possible changes, we would be happy to conduct a follow-up field check to determine their actual status.

If you have any questions regarding this study please call me.

Sincerely,



Paul W. West
Environmental Analyst/
Wetland Regulatory Specialist



U T A H

SALT LAKE CITY

Provo

**SITE
LOCATION**

Price

EMERY COUNTY

PLATEAU MINING COMPANY

FIGURE 1
LOCATION MAP

jbr

environmental consultants, inc.

Salt Lake City, Utah Cedar City, Utah Reno, Nevada Elko, Nevada

DESIGN BY	PW	DRAWN BY	CP	CH'D BY	SCALE	NO SCALE
-----------	----	----------	----	---------	-------	----------

DATE DRAWN 4/25/93

REVISIONS

CYPLT1-1

1110 NIPIN STAR POINT
DUB

REC_NO	DATE	EASTING	NORTHING	ELEVATION	SPECIES	TYPE	STATUS	QUAD
98_92	5/27/98	507620	4374153	6153	Golden Eagle	Cliff	Active	PinaciPk
98_93	5/27/98	507885	4373978	6124	Golden Eagle	Cliff	Tended	PinaciPk
98_94	5/27/98	504455	4372228	6559	Unidentified	Cliff	Tended	PinaciPk
98_95	5/27/98	504026	4372281	6592	Golden Eagle	Cliff	Active	PinaciPk
98_96	5/27/98	503899	4372253	6603	Unidentified	Cliff	Inactive	PinaciPk
98_97	5/27/98	503178	4372581	6711	Golden Eagle	Cliff	Inactive	PinaciPk
98_98	5/27/98	502982	4372826	6732	Golden Eagle	Cliff	Old/Dilapidat	PinaciPk
98_99	5/27/98	503030	4373118	6750	Golden Eagle	Cliff	Old/Dilapidat	PinaciPk
98_100	5/27/98	502964	4373149	6762	Golden Eagle	Cliff	Old/Dilapidat	PinaciPk
98_101	5/27/98	502360	4373608	6813	Golden Eagle	Cliff	Tended	PinaciPk
98_129	5/27/98	500893	4378908	6843	Golden Eagle	Cliff	Old/Dilapidat	PinaciPk
98_130	5/27/98	501825	4379924	6892	Golden Eagle	Cliff	Inactive	PinaciPk
98_131	5/27/98	501922	4380002	6892	Golden Eagle	Cliff	Inactive	PinaciPk
98_132	5/27/98	502614	4380159	6870	Golden Eagle	Cliff	Active	PinaciPk
98_133	5/27/98	502595	4381265	6907	Raven	Cliff	Active	PinaciPk
98_134	5/27/98	502724	4380276	6835	Golden Eagle	Cliff	Inactive	PinaciPk
98_135	5/27/98	502733	4380275	6841	Golden Eagle	Cliff	Tended	PinaciPk
98_136	5/27/98	501898	4383776	6898	Golden Eagle	Cliff	Old/Dilapidat	PinaciPk
98_137	5/27/98	501785	4383182	6985	Golden Eagle	Cliff	Inactive	PinaciPk
98_138	5/27/98	501327	4383153	6936	Raven	Cliff	Inactive	PinaciPk
98_139	5/27/98	501476	4382756	6972	Raven	Cliff	Active	PinaciPk
98_140	5/27/98	500341	4382256	6986	Golden Eagle	Cliff	Inactive	PinaciPk
98_142	5/27/98	500582	4381802	6935	Golden Eagle	Cliff	Tended	PinaciPk
98_143	5/27/98	500571	4381498	6933	Golden Eagle	Cliff	Old/Dilapidat	PinaciPk
98_146	5/29/98	508349	4377356	6192	Redtail Hawk	Cliff	Tended	PinaciPk
98_147	5/29/98	508718	4377390	6202	Unidentified	Cliff	Inactive	PinaciPk
98_148	5/29/98	508729	4377390	6196	Unidentified	Cliff	Old/Dilapidat	PinaciPk
98_149	5/29/98	509543	4377853	6266	Golden Eagle	Cliff	Inactive	PinaciPk
98_150	5/29/98	509558	4377870	6255	Golden Eagle	Cliff	Old/Dilapidat	PinaciPk
98_151	5/29/98	509708	4377933	6300	Golden Eagle	Cliff	Inactive	PinaciPk
98_152	5/29/98	509327	4378296	6298	Golden Eagle	Cliff	Active	PinaciPk
98_153	5/29/98	509083	4378581	6281	Raven	Cliff	Tended	PinaciPk
98_154	5/29/98	508850	4379192	6303	Golden Eagle	Cliff	Inactive	PinaciPk
98_155	5/29/98	507467	4379318	6249	Buteo	Cliff	Inactive	PinaciPk
98_156	5/29/98	507477	4379322	6253	Unidentified	Cliff	Active	PinaciPk
98_157	5/29/98	507831	4379520	6284	Golden Eagle	Cliff	Old/Dilapidat	PinaciPk
98_158	5/29/98	508610	4380460	6274	Golden Eagle	Cliff	Tended	PinaciPk
98_159	5/29/98	509002	4380747	6310	Golden Eagle	Cliff	Old/Dilapidat	PinaciPk
98_160	5/29/98	508933	4380899	6295	Golden Eagle	Cliff	Tended	PinaciPk
98_161	5/29/98	508869	4381097	6310	Golden Eagle	Cliff	Inactive	PinaciPk
98_162	5/29/98	508290	4379443	6433	Golden Eagle	Cliff	Tended	PinaciPk
98_163	5/29/98	508603	4379247	6522	Unidentified	Cliff	Active	PinaciPk
98_164	5/29/98	508412	4378640	6423	Buteo	Cliff	Tended	PinaciPk
98_165	5/29/98	508975	4382382	6299	Golden Eagle	Cliff	Inactive	PinaciPk
98_166	5/29/98	509341	4381616	6321	Golden Eagle	Cliff	Old/Dilapidat	PinaciPk
98_167	5/29/98	508874	4381103	6352	Golden Eagle	Cliff	Inactive	PinaciPk
98_168	5/29/98	508934	4380900	6287	Golden Eagle	Cliff	Tended	PinaciPk
98_169	5/29/98	508955	4380867	6310	Golden Eagle	Cliff	Inactive	PinaciPk
98_170	5/29/98	508928	4380913	6310	Buteo	Cliff	Inactive	PinaciPk
98_171	5/29/98	508997	4380743	6314	Golden Eagle	Cliff	Old/Dilapidat	PinaciPk
98_172	5/29/98	509230	4382035	6453	Golden Eagle	Cliff	Tended	PinaciPk
98_173	5/29/98	507027	4381839	6155	Golden Eagle	Cliff	Inactive	PinaciPk
98_174	5/29/98	507155	4381815	6163	Golden Eagle	Cliff	Inactive	PinaciPk
98_175	5/29/98	507976	4382048	6216	Golden Eagle	Cliff	Tended	PinaciPk
98_176	5/29/98	508554	4382273	6248	Golden Eagle	Cliff	Active	PinaciPk
98_177	5/29/98	508727	4382302	6242	Golden Eagle	Cliff	Inactive	PinaciPk
98_178	5/29/98	508744	4382394	6254	Golden Eagle	Cliff	Tended	PinaciPk
98_179	5/29/98	508714	4382463	6197	Buteo	Cliff	Inactive	PinaciPk
98_180	5/29/98	507578	4382852	6282	Golden Eagle	Cliff	Tended	PinaciPk
98_181	5/29/98	508654	4383482	6336	Golden Eagle	Cliff	Tended	PinaciPk
98_182	5/29/98	505371	4384370	6208	Golden Eagle	Cliff	Inactive	PinaciPk
98_183	5/29/98	505358	4384367	6219	Golden Eagle	Cliff	Inactive	PinaciPk
98_184	5/29/98	505284	4384344	6219	Golden Eagle	Cliff	Tended	PinaciPk

YEAR	REC_NO	DATE	EASTING	NORTHING	ELEVATION	SPECIES	TYPE	STATUS	QUAD
98_	185	5/29/98	505280	4384350	6217	Golden Eagle	Cliff	Tended	PinaciPk
98_	190	5/29/98	510649	4385286	6120	Buteo	Cliff	Tended	PinaciPk
98_	191	5/29/98	507924	4385110	6031	Buteo	Cliff	Tended	PinaciPk
98_	192	5/29/98	508078	4384923	6076	Buteo	Cliff	Inactive	PinaciPk
98_	193	5/29/98	507971	4384795	6083	Golden Eagle	Cliff	Old/Dilapidat	PinaciPk
98_	194	5/29/98	507834	4384401	6101	Buteo	Cliff	Tended	PinaciPk
98_	195	5/29/98	508074	4384685	6092	Falcon	Cliff	Inactive	PinaciPk
98_	196	5/29/98	508363	4384716	6105	Golden Eagle	Cliff	Tended	PinaciPk
98_	221	5/29/98	501896	4384667	6899	Golden Eagle	Cliff	Inactive	PinaciPk
98_	222	5/29/98	502684	4385652	6452	Golden Eagle	Cliff	Old/Dilapidat	PinaciPk
98_	223	5/29/98	502707	4385647	6454	Buteo	Cliff	Inactive	PinaciPk
98_	224	5/29/98	503028	4385701	6440	Buteo	Cliff	Inactive	PinaciPk
98_	225	5/29/98	503685	4385158	6257	Golden Eagle	Cliff	Old/Dilapidat	PinaciPk
98_	226	5/29/98	503720	4385127	6256	Golden Eagle	Cliff	Old/Dilapidat	PinaciPk
98_	480	5/22/98	484523	4389382	9353	Buteo	Cliff	Inactive	Scofield
98_	481	5/22/98	484500	4389387	9372	Redtail Hawk	Tree	Active	Scofield
98_	85	5/19/98	498223	4373950	8383	Buteo	Cliff	Active	Wattis
98_	88	5/19/98	496942	4372275	7865	Golden Eagle	Cliff	Old/Dilapidat	Wattis
98_	141	5/27/98	499982	4382083	6996	Buteo	Cliff	Inactive	Wattis
98_	277	5/18/98	498625	4372426	8350	Buteo	Cliff	Inactive	Wattis
98_	278	5/18/98	497164	4376876	8169	Golden Eagle	Cliff	Inactive	Wattis
98_	279	5/18/98	497860	4377110	8209	Golden Eagle	Cliff	Old/Dilapidat	Wattis
98_	280	5/18/98	498566	4377758	8157	PeregrineFalcon	Cliff	Active	Wattis
98_	281	5/18/98	497245	4378408	8272	Golden Eagle	Cliff	Inactive	Wattis
98_	282	5/18/98	496141	4378004	8318	Golden Eagle	Cliff	Active	Wattis
98_	283	5/18/98	496262	4377679	8219	Golden Eagle	Cliff	Inactive	Wattis
98_	284	5/18/98	495496	4378429	8302	Golden Eagle	Cliff	Inactive	Wattis
98_	285	5/18/98	495680	4378763	8328	Golden Eagle	Cliff	Old/Dilapidat	Wattis
98_	286	5/18/98	494321	4378998	8626	Redtail Hawk	Cliff	Inactive	Wattis
98_	287	5/18/98	493981	4378801	8661	Golden Eagle	Cliff	Inactive	Wattis
98_	288	5/18/98	493890	4378280	8515	Golden Eagle	Cliff	Inactive	Wattis
98_	289	5/18/98	494674	4374977	9522	Golden Eagle	Cliff	Active	Wattis
98_	290	5/18/98	494753	4374989	9522	Golden Eagle	Cliff	Inactive	Wattis
98_	291	5/18/98	494956	4374880	9184	Golden Eagle	Tree	Inactive	Wattis
98_	292	5/18/98	495271	4375018	9472	Golden Eagle	Cliff	Inactive	Wattis

APPENDIX C

Legal, Financial, Compliance and Related Information

Annual Report of Officers
as submitted to the Utah Department of Commerce

and other changes in ownership and control information
as required under R645-301-110.

CONTENTS

Annual Report of Officers

**Cyprus Plateau Mining Corporation
9100 East Mineral Circle
Englewood, Colorado 80112**

List of Officers and Directors

OFFICERS

J.M. DeMichiei
G.J. Malys
N.P. Moros
P.C. Wolf
F.S. Hakimi
P.J. Panzarino
F.J. Wood
J.M. Coyner
J.D. Flemming
S.J. Fetherhuff
G.A. Walker
D.E. Huffman
S.E. Chetlin

President
Sr. Vice President
Sr. Vice President, Sales and Marketing
Sr. Vice President, General Counsel and Secretary
Vice President and Treasurer
Vice President, Sales and Marketing
Vice President and Controller
Assistant Treasurer
Director of Tax
Assistant Secretary
Assistant Secretary
Assistant Secretary
Assistant Secretary

DIRECTORS

J.M. DeMichiei
G.J. Malys
P.C. Wolf

N.P. Moros
M. Maekita
K. Kinoshita

APPENDIX D

Mine Maps

as required under R645-301-525.270.

CONTENTS

Map T-1 showing Mining for 1998 is in the Subsidence Report

APPENDIX E

Other Information

in accordance with the requirements of R645-301 and R645-302.

CONTENTS

None