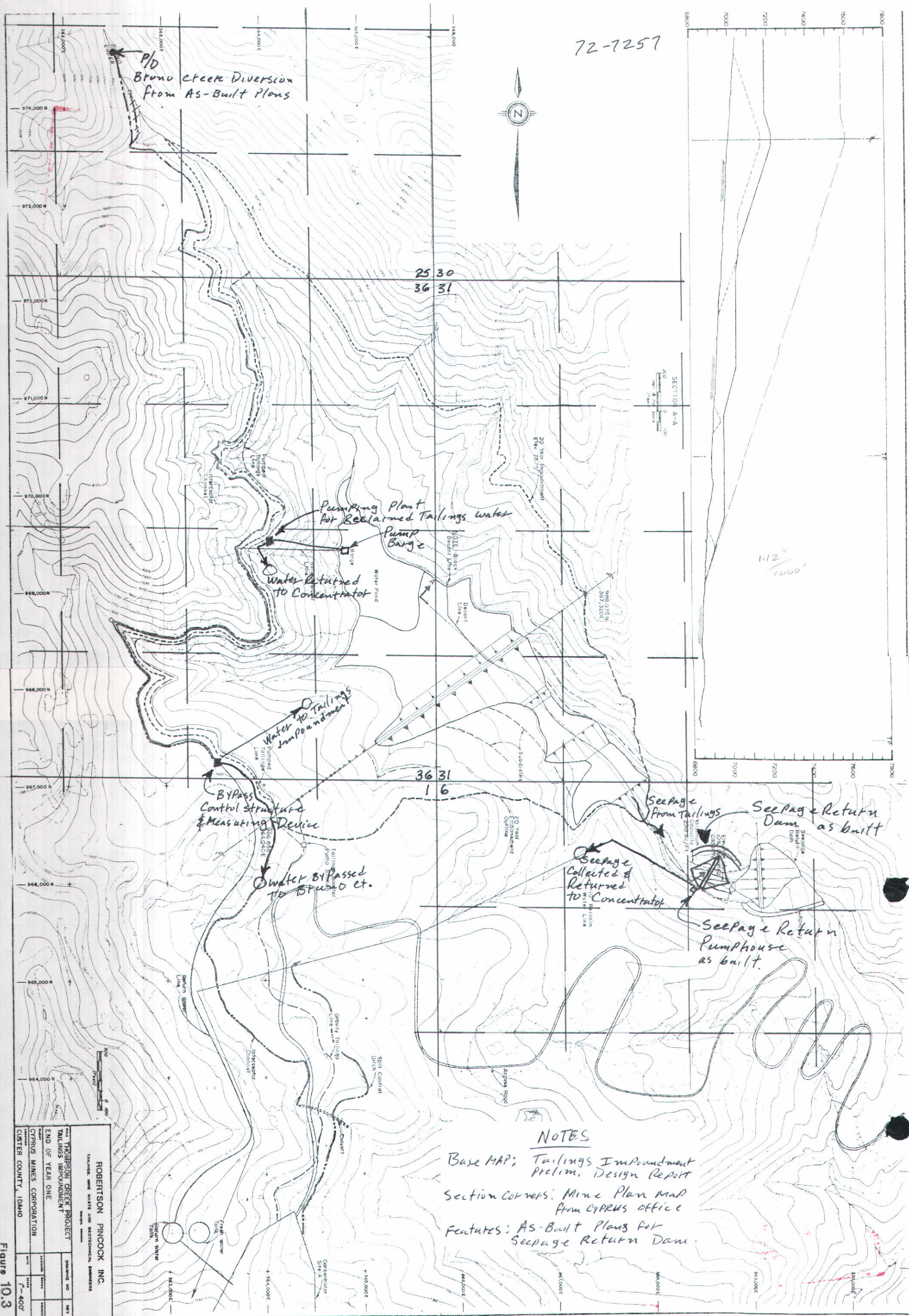
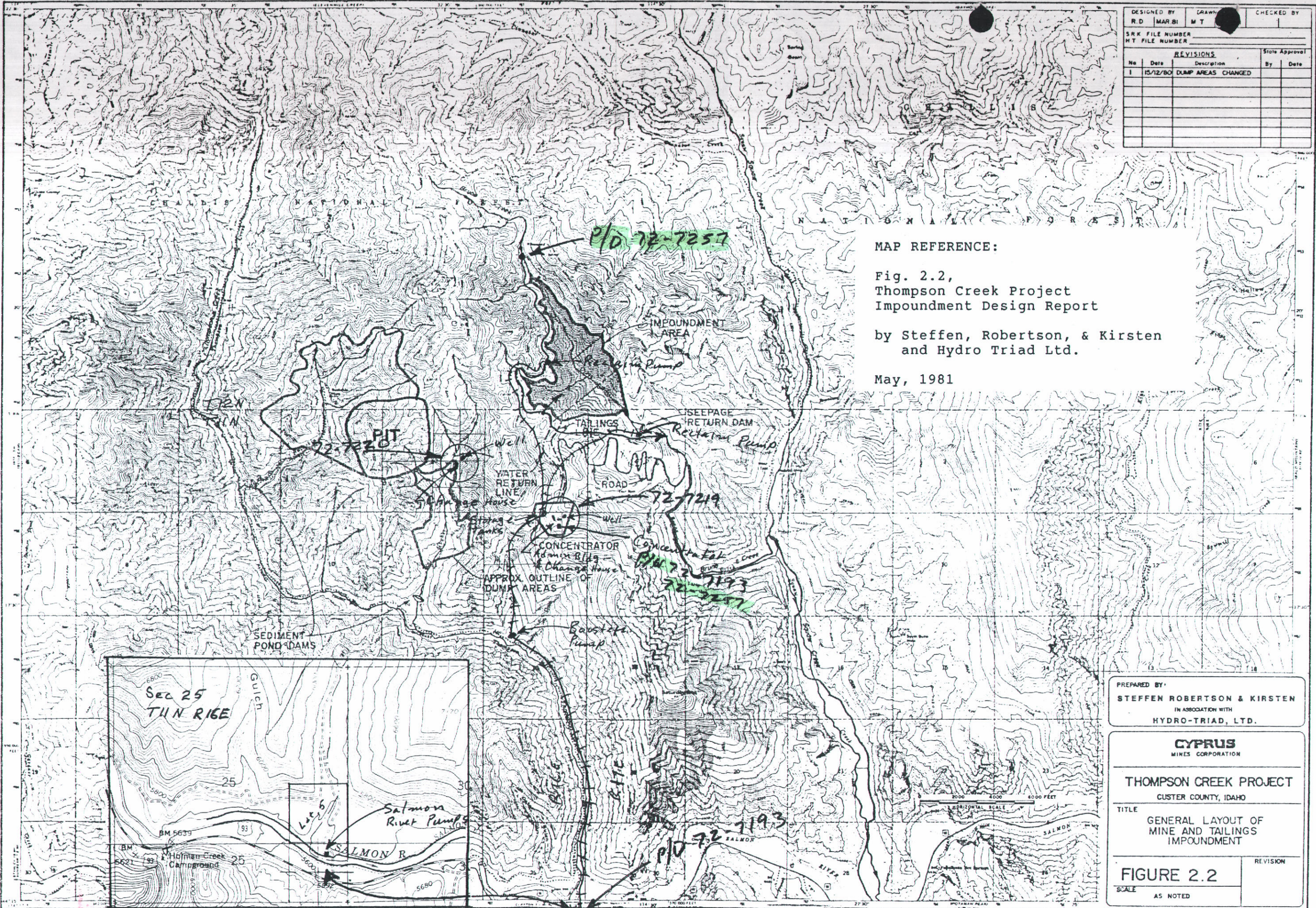


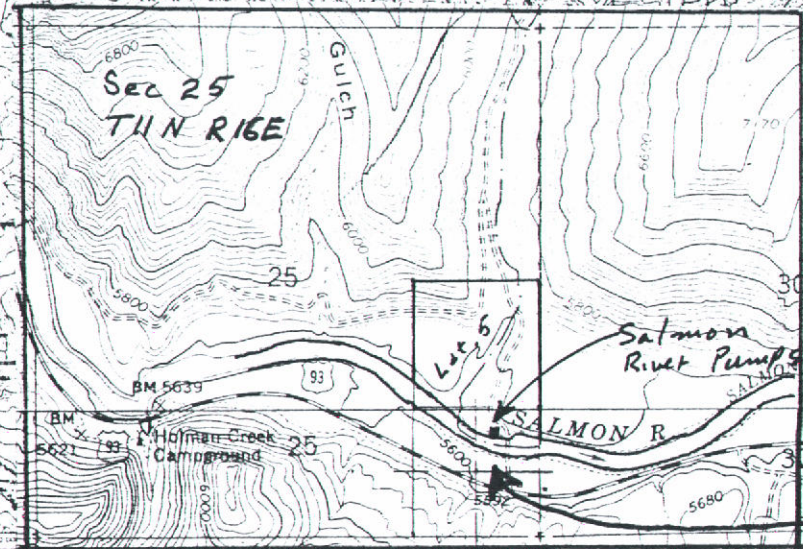




DESIGNED BY	R.D.	MAR 81	DRAWN BY	M.T.	CHECKED BY	
SRK FILE NUMBER						
MT FILE NUMBER						
REVISIONS					State Approval	
No	Date	Description	By	Date		
1	15/12/80	DUMP AREAS CHANGED				

MAP REFERENCE:
Fig. 2.2,
Thompson Creek Project
Impoundment Design Report
by Steffen, Robertson, & Kirsten
and Hydro Triad Ltd.
May, 1981

72-7257



PREPARED BY:
STEFFEN ROBERTSON & KIRSTEN
IN ASSOCIATION WITH
HYDRO-TRIAD, LTD.

CYPRUS
MINES CORPORATION

THOMPSON CREEK PROJECT
CUSTER COUNTY, IDAHO

TITLE
GENERAL LAYOUT OF
MINE AND TAILINGS
IMPOUNDMENT

FIGURE 2.2
SCALE AS NOTED

REVISION

72-7257



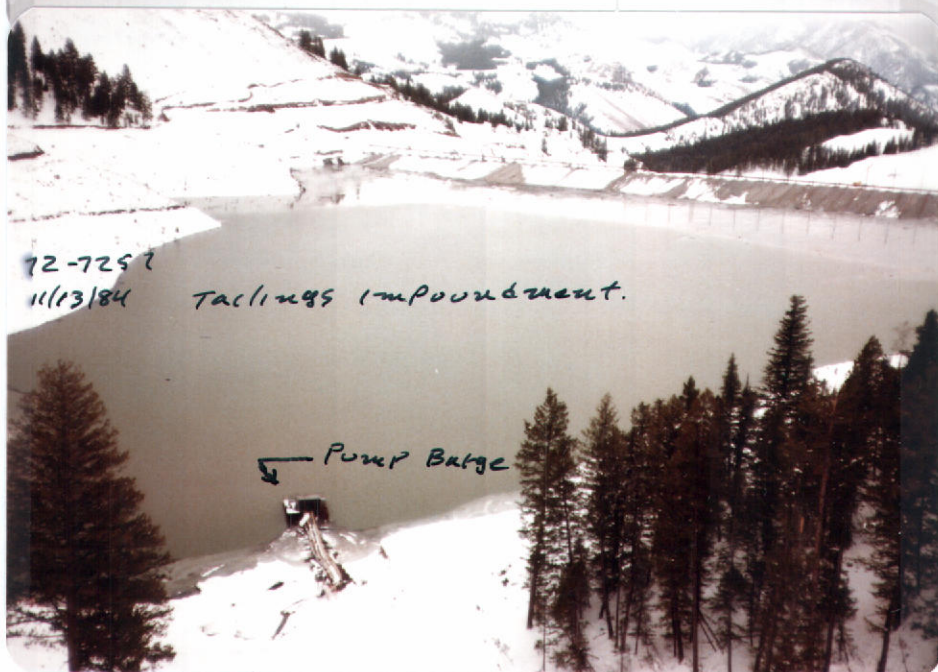
72-7257
11/13/84

Seepage Return Pond
Tailings Dam in Background



72-7257
11/13/84

stage Recorder shelter
Well in manhole below.



72-7257
11/13/84

Tailings Impoundment.

→ Pump Barge

RECEIVED
JAN 23 1989

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 72-07257

Priority: March 11, 1983 Amount: 9.62 CFS 1600.0 AFA

This is to certify, that CYPRUS THOMPSON CREEK MINING CO.

P.O. BOX 62

CLAYTON, ID 83227

has complied with the terms and conditions of the permit issued pursuant to Application for Permit dated March 11, 1983, and has submitted proof to the Department of Water Resources on July 11, 1983, that water has been applied to a beneficial use; an examination by the Department indicates that the works have a diversion capacity of 9.620 cfs of water from:

BRUNO CREEK tributary to SQUAW CREEK

source and that a water right has been established as follow:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE OF DIVERSION</u>	<u>VOLUME</u>
INDUSTRIAL	01/01 to 12/31	9.62 CFS	
INDUSTRIAL STORAGE	01/01 to 12/31		1600.0 AFA
INDUSTRIAL FROM STORAGE	01/01 to 12/31		1600.0 AFA
Totals		9.62 CFS	1600.0 AFA

LOCATION OF POINT OF DIVERSION(S): NESW , Sec. 25, Township 12N, Range 16E
CUSTER County

PLACE OF USE: INDUSTRIAL

TWN RGE SEC

11N 16E 12 NENE NWNE

PLACE OF USE: INDUSTRIAL STORAGE, same as INDUSTRIAL use

PLACE OF USE: INDUSTRIAL FROM STORAGE, same as INDUSTRIAL use

CONDITIONS/REMARKS:

1. The right to the use of water hereby confirmed is limited to the amount which can actually be beneficially used and is restricted and appurtenant to the lands or place of use and to the purpose herein described, as provided by the laws of Idaho.
2. This right is subject to all prior water rights and may be forfeited by five years of non-use.
3. Modifications to or variance from this license must be made within the limits of Section 42-222, Idaho Code, or the applicable Idaho law.

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

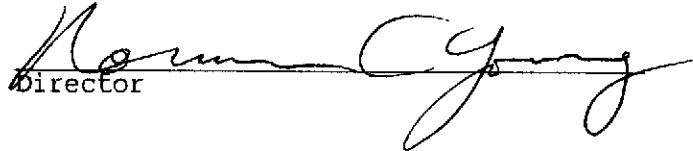
WATER RIGHT NO. 72-07257

CONDITIONS/REMARKS:

4. When water used under this license is discharged into the natural channel, settling ponds must be maintained which are capable of reducing the silt load to such a level that the quality of water will not be impaired for other beneficial uses.
5. The maximum combined annual volume of water under this right & Right 72-7193 shall not exceed 2916.0 acre feet.
6. Industrial use is for milling of ore.

This license is issued pursuant to the provisions of Section 42-219, Idaho Code.
Witness the seal and signature of the Director, affixed at Boise, this 6th
day of JANUARY, 19 89

Director



State of Idaho
Department of Water Resources

RECEIVED

NOV 16 1988

APPLICATION FOR AMENDMENT
(For Licensing Purposes)
WATER RIGHT NO. 72-07257

Date of Priority: March 11, 1983

Department of Water Resources

Comes now CYPRUS THOMPSON CREEK MINING CO.
P.O. BOX 62
CLAYTON, ID 83227

and represents to the Director of the

Idaho Department of Water Resources:

That he is the owner and holder of Permit to appropriate the Public Waters of the State of Idaho No. 72-07257, and requests that the permit be changed as follows:

Source: BRUNO CREEK

tributary to SQUAW CREEK

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE OF DIVERSION</u>	<u>VOLUME</u>
INDUSTRIAL	01/01 to 12/31	9.62 CFS	
INDUSTRIAL STORAGE	01/01 to 12/31		1600.0 AFA
INDUSTRIAL FROM STORAGE	01/01 to 12/31		1600.0 AFA
	Totals	9.62 CFS	1600.0 AFA

LOCATION OF POINT OF DIVERSION(S):

NESW, Sec. 25, Township 12N, Range 16E
CUSTER County

PLACE OF USE: INDUSTRIAL

TWN RGE SEC

11N 16E 12

NWNE and NENE
S4C

PLACE OF USE: INDUSTRIAL STORAGE, same as INDUSTRIAL use

PLACE OF USE: INDUSTRIAL FROM STORAGE, same as INDUSTRIAL use

Permit holder asserts that no one will be injured by such change and that such change will be made at permit holder's own risk.

Signed at Cyprus Thompson Creek, this 11th day of November, 1988.

MICROFILMED

JAN 28 1989

Patrick H. Felt
(Signature)

General Manager

Scott L. Campbell, attorney-in-fact, for Cyprus Thompson
Creek Mining Company

State of Idaho
Department of Water Resources

APPLICATION FOR AMENDMENT
(For Licensing Purposes)
WATER RIGHT NO. 72-07257

FOR DEPARTMENT USE ONLY

Preliminary check by KW Fee = \$20.00 ✓ Received by CP Date 11/17/88 # C003423

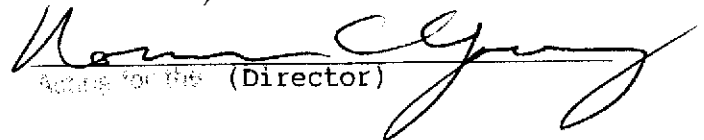
ACTION OF THE DEPARTMENT OF WATER RESOURCES

I, R. Keith Higginson, of the Department of Water Resources hereby approve the above Application for Amendment for Permit No. 72-07257 with the following;

CONDITIONS/REMARKS:

1. The right to the use of water hereby confirmed is limited to the amount which can actually be beneficially used and is restricted and appurtenant to the lands or place of use and to the purpose herein described, as provided by the laws of Idaho.
2. This right is subject to all prior water rights and may be forfeited by five years of non-use.
3. Modifications to or variance from this license must be made within the limits of Section 42-222, Idaho Code, or the applicable Idaho law.
4. When water used under this license is discharged into the natural channel, settling ponds must be maintained which are capable of reducing the silt load to such a level that the quality of water will not be impaired for other beneficial uses.
5. The maximum combined annual volume of water under this right & Right 72-7193 shall not exceed 2916.0 acre feet.
6. Industrial use is for milling of ore.

Witness my hand this 6TH day of January, 1989.


R. Keith Higginson (Director)

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT

To appropriate the public waters of the State of Idaho

1. Name of applicant Cyprus Thompson Creek Mining Co. Phone 838-2200

Post office address P. O. Box 755, Challis, ID 83226

2. Source of water supply Bruno Creek which is a tributary of Squaw Creek

3. Location of point of diversion is NW $\frac{1}{4}$ of NE $\frac{1}{4}$ of Section 6 Township 11N

Range 17E B.M. Custer County, additional points of diversion if any: _____

NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 6 T. 11N R. 17E; (unsurveyed) SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 25 T. 12N R. 16E

4. Water will be used for the following purposes:

Amount 1600 for Storage for Industrial purposes from Jan 1 to Dec 31 (both dates inclusive)
(cfs or acre-feet per annum)

Amount 1600 for Industrial purposes from Jan 1 to Dec 31 (both dates inclusive)
(cfs or acre-feet per annum)

Amount 30 cfs for Storage purposes from Jan 1 to Dec 31 (both dates inclusive)
(cfs or acre-feet per annum)

Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)

5. Total quantity to be appropriated:

a. 30.0 cubic feet per second and/or b. 1600 acre-feet per annum.

6. Proposed diverting works:

a. Description of ditches, flumes, pumps, headgates, etc. Tailings dam & reservoir, seepage
return reservoir, pumps & pipelines

b. Height of storage dam 30 feet, active reservoir capacity 1600 acre-feet; total reservoir capacity 1600 acre-feet, materials used in storage dam: mine tailings, earth fill

Period of year when water will be diverted to storage Jan 1 to Dec 31 inclusive.
(Month/Day) (Month/Day)

c. Proposed well diameter is _____ inches; proposed depth of well is _____ feet.

7. Time required for the completion of the works and application of the water to the proposed beneficial use is 5 years (minimum 1 year — maximum 5 years).

8. Description of proposed uses:

a. If water is not for irrigation:

(1) Give the place of use of water: N $\frac{1}{2}$ $\frac{1}{4}$ of NE $\frac{1}{4}$ of Section 12 Township 11N
Range 16E B.M.

(2) Amount of power to be generated: _____ horsepower under _____ feet of head.

(3) List number of each kind of livestock to be watered _____

(4) Name of municipality to be served _____, or number of families to be supplied with domestic water _____

(5) If water is to be used for other purposes describe: Industrial use in milling of ore.

Note: This replacement page prepared 3-17-83 per telecon w/ applicant. g

REPORT

[illegible]

Total number of acres to be irrigated

c. Describe any other water rights used for the same purposes as described above.

See Remark 1, below.

9. a. Who owns the property at the point of diversion U.S.B.L.M. or U.S.F.S.

b. Who owns the land to be irrigated or place of use U.S.B.L.M. or U.S.F.S.

c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing Special-use permits from agencies involved.
Mineral claims under 1872 mining laws.

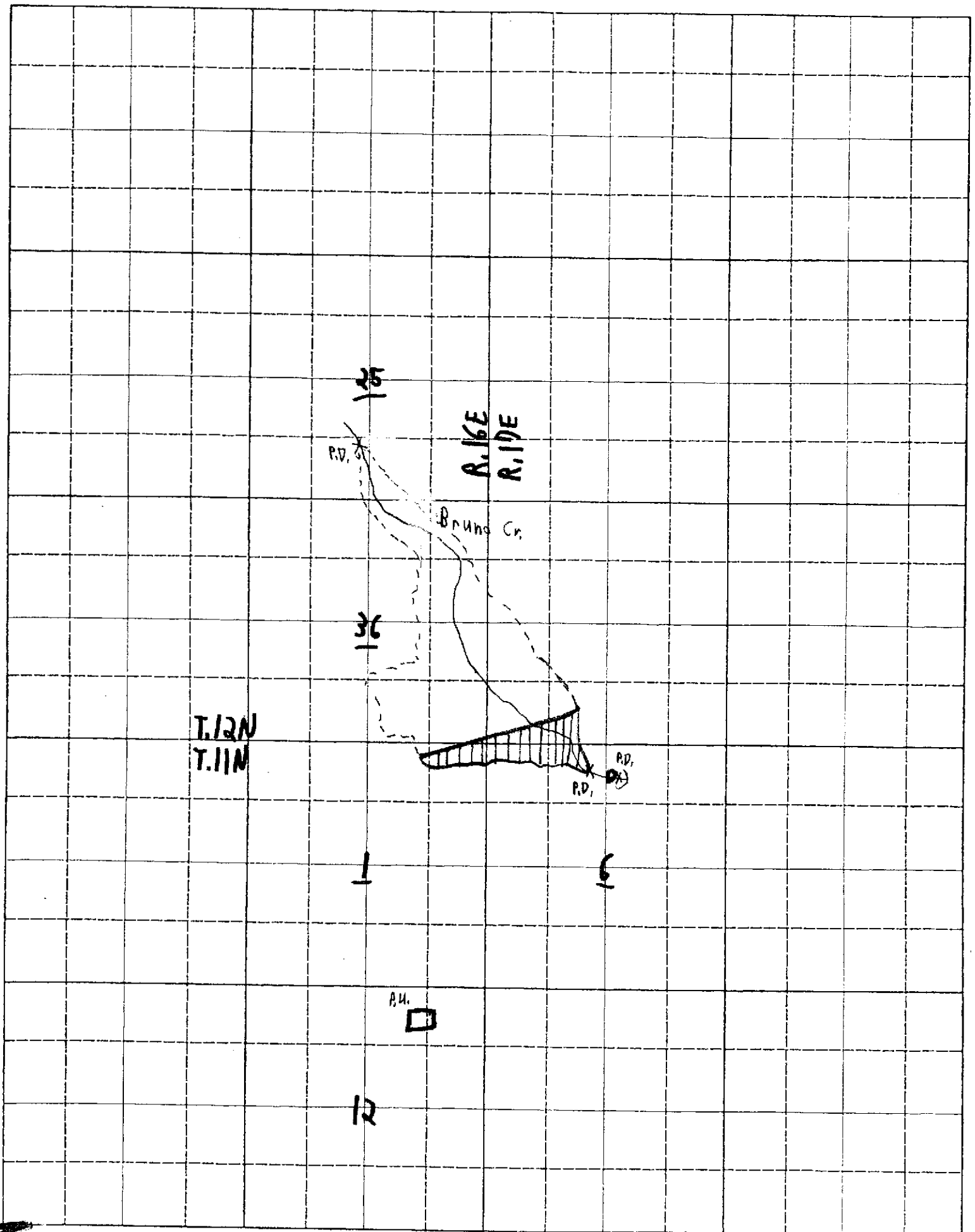
10. Remarks

1. Permits 72-7083 & 72-7084 (Bruno Creek wells); 72-7099 (Thompson Creek) and 72-7100 (from open pit), 72-7193 (Salmon River) all of which are intended to be used to meet process water requirements averaging 20 cfs flow.

Applicant recognizes the existence of a downstream senior water right on Squaw Creek currently owned by the Cominatti family [72-0134, decreed in 1917 in McClure et al vs. Campbell].

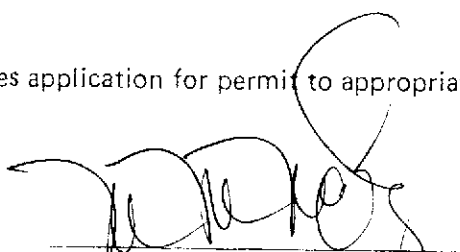
11. Map of proposed project: show clearly the proposed point of diversion, place of use, section number, township and range number.

See drawing No. 1182-40-52-201 rev. 6



Scale: 2 inches equal 1 mile.

BE IT KNOWN that the undersigned hereby makes application for permit to appropriate the public waters of the State of Idaho as herein set forth.


(Applicant)

Received by marp Date 3/11/83 Time 11:30a
 Proposed Priority 3/11/83 Preliminary check by φ Fee \$ 525.⁰⁰ # 26105
 Received by marp Date 3/24/83
 Publication prepared by ADM Date 4/4/83
 Published in Custer Publishing Co
 Publication dates 4/14 & 4/21/83
 Publication approved mary a Date 5/4/83
 Protests filed by: None

 Copies of protests forwarded by _____
 Hearing held by _____ Date _____
 Recommended for approval denial by ADM RC

ACTION OF THE DIRECTOR, DEPARTMENT OF WATER RESOURCES

This is to certify that I have examined Application for Permit to appropriate the public waters of the State of Idaho No. 72-7257, and said application is hereby APPROVED.

1. Approval of said application is subject to the following limitations and conditions:
 - a. SUBJECT TO ALL PRIOR WATER RIGHTS.
 - b. Proof of construction of works and application of water to beneficial use shall be submitted on or before June 1, 1988.
 - c. The rate of diversion, if water is to be used for irrigation under this permit, when combined with all other water rights for the same land shall not exceed 0.02 cubic feet per second for each acre of land.
 - d. Other: The issuance of this permit in no way grants any right-of-way or easement across the land of another.
 The storage of water is contingent upon certification by the Department of Water Resources, of the applicant's dam under the dam safety provisions of the Idaho Code, authorizing storage.
 An access port of other device as specified by the Department shall be installed by the permit holder to provide for the installation of measuring equipment and the determination of the rate of diversion by the Department.
 Use of water under this permit is supplemental to all existing water rights with the same purpose and place of use.
 In the event that water used under this permit should be discharged into a natural channel, settling ponds will be required which are capable of reducing the silt load to such a level that the quality of the water would not be impaired for other beneficial uses.
 Should the use of the water on this permit reduce the quality of water available to prior water rights and make it unusable to satisfy the prior appropriations, then the diversion under this permit must cease.

Witness my hand this 20th day of May, 1983.

L. Glen Saxton
 Chief, Operations Bureau

STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES

APPLICATION FOR PERMIT

To appropriate the public waters of the State of Idaho

1. Name of applicant Cyprus Thompson Creek Mining Co. Phone 838-2200Post office address P.O. Box 755, Challis, Idaho 832262. Source of water supply Bruno Creek which is a tributary of Squaw Creek3. Location of point of diversion is -- $\frac{1}{4}$ of -- $\frac{1}{4}$ of Section 25,36 Township 12NRange 16E B.M. Custer County, additional points of diversion if any: _____Pump house in seepage return dam in N $\frac{1}{2}$ Sec. 6 T11N R17E

4. Water will be used for the following purposes:

Amount 30 for mining purposes from Jan. 1 to Dec. 31 (both dates inclusive)
(cfs or acre-feet per annum)Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)

5. Total quantity to be appropriated:

a. 30 cubic feet per second and/or b. _____ acre-feet per annum.

6. Proposed diverting works:

a. Description of ditches, flumes, pumps, headgates, etc. Floating reclaim barge and seepage
return dam, pumps and pipelines to mill.b. Height of storage dam ± 30 feet, active reservoir capacity 850 acre-feet; total reservoir
capacity 7,500 acre-feet, materials used in storage dam: tailings and earth-fillPeriod of year when water will be diverted to storage Jan. 1 to Dec. 31 inclusive.
(Month/Day) (Month/Day)

c. Proposed well diameter is _____ inches; proposed depth of well is _____ feet.

7. Time required for the completion of the works and application of the water to the proposed beneficial
use is 5 years (minimum 1 year — maximum 5 years).

8. Description of proposed uses:

a. If water is not for irrigation:

(1) Give the place of use of water: _____ $\frac{1}{4}$ of SE $\frac{1}{4}$ of Section 1 Township 11 N
Range 16 E B.M.

(2) Amount of power to be generated: _____ horsepower under _____ feet of head.

(3) List number of each kind of livestock to be watered _____

(4) Name of municipality to be served _____, or number of families to be
supplied with domestic water _____.(5) If water is to be used for other purposes describe: Water is to be used as mining water
supply including process water, dust control, etc.

Cyprus Thompson Creek

March 2, 1983

Post Office Box 755
Challis, Idaho 83226
Telephone (208) 879-4299

RECEIVED
MAR 11 1983
Department of Water Resources
Southern District Office

Mr. Loren Holmes
District Supervisor
Department Water Resources
1041 Blue Lakes Boulevard North
Twin Falls, Idaho 83301

SUBJECT: Application for rights to store and utilize water in a closed circuit mill tailings impoundment.

Dear Mr. Holmes:

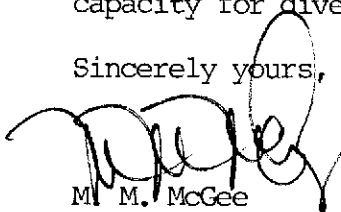
The application and fee (\$525.00) accompanying this letter request a 30 cubic feet per second allocation from Bruno Creek, tributary to Squaw Creek, in Custer County.

As a major stipulation of the Environmental Impact Statement and operating plan approvals, mill process water and the tailing impoundment must be operated as a closed-circuit. The Thompson Creek Mine is not authorized to discharge water from the tailing impoundment.

Most of the 30 cubic feet per second of water used in the mill under this permit will actually be recycled water, although up to 30 cfs of Bruno Creek water could be utilized during periods of high spring flow.

As noted in the Remarks Section of the application, Cyprus will continue to recognize the senior rights of downstream water users. The tailing area design includes a runoff interceptor system with a capacity for diverting up to 8 cfs around the impoundment area.

Sincerely yours,



M. M. McGee
General Manager

MM:JAS:ns
8/GA

Enclosures

cc: G. Saxton
P-23-1 Water Rights-Bruno Creek Tailings area
IATF members

CYPRUS

AFFIDAVIT OF PUBLICATION

State of Idaho, County of Custer, ss:

I, MARGARET PARKS

Publisher of the Challis Messenger, a
weekly newspaper, published at Challis,
Idaho, do solemnly swear that the notice
hereto attached and made a part hereof,
was published in the regular and entire
issue of the Challis Messenger for 2

consecutive weeks, commencing with
the issue dated APR 14

1983 and ending with the issue
dated APR 21, 1983

Margaret Parks

Subscribed and sworn to before
this 22nd day of April

1983

Ethel M. Park

Notary Public, residing at Challis,
Idaho. My commission expires on

1/26/86

72-7257

CYPRUS THOMPSON
CREEK MINING CO., P.O.
BOX 755, CHALLIS, ID 83226
Source: BRUNO CREEK
trib. to SQUAW CREEK

Date Filed: 03/11/1983

Diversion Pt. NWNE
NENW Sec 06 T 11N R 17E
SESW Sec 25 T 12N R 16E

Use: INDUSTRIAL (30.00
CFS) INDUSTRIAL STOR-
AGE (1600.0 AF) INDUST-
RIAL FROM STORAGE
(1600.0 AF)

In: NENE NWNE Sec 12 T
11N R 16E



State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, P.O. Box 83720, Boise, Idaho 83720-0098

Phone: (208) 327-7900 FAX: (208) 327-7866

November 15, 2000

DIRK KEMPTHORNE
GOVERNOR

KARL J. DREHER
DIRECTOR

ELAM & BURKE
ANGELA D SCHAER
PO BOX 1539
BOISE ID 83701

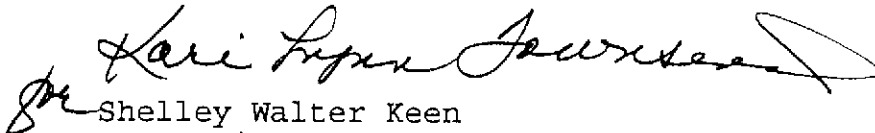
RE: Thompson Creek Mining Water Right 72-07257

Dear Ms. Schaer:

Enclosed please find copies of the pages from the above referenced file that you requested yesterday.

If you have any questions regarding this matter, please call me at 327-7946.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Shelley Walter Keen'.

Shelley Walter Keen
Water Rights Supervisor

SWK:klt

Enclosures

cc: Cyprus Thompson Creek Mining Co.
c/o Bert Doughty
PO Box 62
Clayton ID 83227

ELAM & BURKE
A Professional Association
ATTORNEYS AND COUNSELORS AT LAW
Established in 1928

KEY FINANCIAL CENTER
702 WEST IDAHO
POST OFFICE BOX 1539
BOISE, IDAHO 83701

ANGELA D. SCHAEER

RECEIVED

NOV 09 2000

Department of Water Resources

TELEPHONE
208-343-5454

FACSIMILE
208-384-5844

E-mail: ads@elamburke.com

November 8, 2000

Mr. Norman C. Young
Idaho Department of Water Resources
1301 North Orchard
Boise, ID 83706

*Re: Thompson Creek Mining Company
Motion to Amend Licence No. 72-07414*

Dear Norm:

The purpose of this letter is to set forth my understanding of the conclusions we reached during our meeting on Friday, November 3, 2000. If any of my understandings are incorrect, please let me know at your earliest possible convenience.

First, I would like to thank you for your assurance that it is the Department's intent to ensure that Thompson Creek Mining Company continues to have sufficient water to run its operations. We certainly appreciate that attitude and spirit of cooperation. We also agreed that I would set up a conference call between you, Shelly, Bert Doughty, and me to discuss the practical issues related to Thompson Creek Mining Company's motion to amend their license. You should know that Scott Campbell may also participate in that conference call, which we are currently in the process of arranging.

As you know, Thompson Creek Mining Company filed its motion to amend license no. 72-07414 in order to remove the combined annual diversion volume limitation which is on that license only, but which governs water right nos. 72-07414, 72-07257, and 72-07193. Our research has indicated that the licenses for 72-07193 and 72-07257 do not contain an annual diversion volume limitation, although they do contain an annual volume limitation. Our research has further indicated, based upon Department notes, that the volume limitation was intended to be a consumptive use limitation.

When Thompson Creek Mining Company filed its motion to amend the license, we asked that the combined annual volume limitation be amended to make it clear that it pertains to consumptive use rather than to diversion volume. During our meeting on November 3, you stated that the Department actually does not care about a consumptive use limitation, and that it is more concerned about diversion volume. You also assured me that it would be the Department's intent to ensure that Thompson Creek Mining Company has a sufficient diversion rate and volume to operate the mine.

Letter to Norman C. Young
November 8, 2000
Page 2

Thompson Creek Mining Company does remain very concerned about the combined annual diversion volume limitation. As I indicated to you, it may be that at some point in the future Thompson Creek would wish to transfer one of those rights to another use (although there is currently no plan to do so), and a diversion volume limitation could significantly limit what could be done with the right. However, we are certainly willing to sit down and speak with you regarding the possibility of resolving Thompson Creek's motion to amend its license informally. This is particularly important given that SRBA proceedings regarding three of Thompson Creek's rights are currently on hold pending outcome of this matter. I indicated to the Special Master that we would continue to work to resolve Thompson Creek's motion to amend as soon as possible.

Once again, if I have incorrectly stated any of my understandings, please do not hesitate to correct those errors as soon as possible. I look forward to meeting with you in the near future.

Very truly yours,

ELAM & BURKE
A Professional Association

for 
Angela D. Schaer

ADS:dap G:\Dap\WPDATA\0016\00156-Young ltr.wpd

cc: Shelly Keen
Bert Doughty
Kevin Loughrey

January 9, 1989

CYPRUS THOMPSON CREEK MINING CO.
P.O. BOX 62
CLAYTON, ID 83227

RE: PERMIT NO. 72-07257

Dear Permit Holder(s):

Enclosed herewith is a copy of the Water Right License issued on the above referenced permit along with a copy of your approved application for amendment.

Should you have any questions regarding these documents, please feel free to contact our office.

Sincerely,

JIM JOHNSON
Water Rights Supervisor

JJ:sc

Enclosure

RECEIVED
JAN 24 1989

MEMORANDUM

TO: FILES 72-7193, 72-7219, 72-7257 & 72-7220

FROM: JIM JOHNSON

RE: MEETING WITH SCOTT CAMPBELL

DATE: 28-NOV-1988

=====

On this day Scott Campbell, attorney for the permit holder met with me to discuss the recommendations made by the field examiner for licensing the above named permits.

PERMIT 72-7220

The place of use was changed to include the SWNE & SENE.

The field report describes the place of use for domestic to include only the change house located in NWSE, however, water is also used for domestic purposes in the shop, and at the crusher building.

PERMITS 72-7219, 72-7193 & 72-7219

The place of use was changed to include the NENE as well as the NWNE because the building straddles the 1/4 1/4 line.

The field report does confirm the close proximity of the building to the line therefore to be sure license was not in error the additional description was added.

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
LICENSING REPORT

Permit No. _____

1. **Measurement Calculations**

- a) Field Measurement Calculations (Include theoretical capacities and system capacity)

- b) Volume Calculations for Irrigation:

$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$ _____
 $V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 =$ _____
 $V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} =$ _____

- c) Volume Calculations for Other Uses:

2. **Overlap Review**

per Natural 9/26:

- a) Other water rights with same place of use: 72-7193, 72-7219, ~~72-7414~~
72-7414 - Cyprus Thompson Ck. Mining Co.
4.0 cfs from gw
App. - no overlap
- b) Other water rights with same point of diversion: none

- c) Analysis:

*also being licensed
see condition R17a
domestic use
only; also being
licensed*

7/1/83

30 day
P/D

- Date 10/11/88

October ²⁶~~18~~, 1988

CYPRUS THOMPSON CREEK MINING CO.
P.O. BOX 62
CLAYTON, ID 83227

RE: PERMIT NO. 72-07257

Dear Permit Holder(s):

The above referenced water right is in the process of being licensed. However, before a license can be issued, your permit must be amended to correspond with the findings of the Department's field examiner.

The enclosed application for amendment contains information that will be included on the license when it is issued. Please review carefully and if you concur, sign the amendment and return with the \$20.00 filing fee within 30 days.

If you do not concur with these findings or if you have any questions, please contact us within the 30-day period.

Sincerely,

JIM JOHNSON
Water Rights Supervisor

JJ:sc

Enclosure

RECORDED
INDEXED

OCT 26 1988

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No. 72-7257

1. Owner: CYPRUS Thompson Creek Mining Co. Phone No. _____
Current Address: P.O. Box 62 Clayton, ID 83227
2. Accompanied by: Jamie Sturgess EXAM. DATE: 11/13/84
Address: Above Phone No. _____
Relationship to Permit Holder: Environmental Supvt.
3. Source: Bruno Creek tributary to Squaw Creek

B. OVERLAP REVIEW

1. Other water rights with same place of use: 72-7193 - Examined at same time
_____ ☐ Copies Attached
2. Other water rights with same point of diversion: None
_____ ☐ Copies Attached ☐ Copies of Field Exam's Attached

C. SYSTEM DESCRIPTION

1. **Diversion System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable. ☒ Alternative diagram attached

Scale: 1" = _____

Attached maps excerpted from tailings impoundment design report

2. ☐ Copy of U.S.G.S. Quadrangle Attached ☐ Aerial Photo Attached
Showing location(s) of point(s) of diversion and (required for irrigation of 10 acres or more).
place(s) of use (required).
☐ Photo of Diversion and System Attached
(required for all but single household domestic groundwater, and stockwater).

System Description (continued)

3. **Narrative:** Description (As operating at time of measurement. Indicate pressure, number of sprinklers, etc.)

Flow of Bruno Creek is diverted into a bypass ditch around the
tailings & seepage return ponds. Water is diverted from the bypass
channel through a control structure & well into the tailings pond.
Water is pumped from the tailings pond for use in the
ore concentration process. Water not consumed in the process is
returned with tailings to the tailings pond. Water seeping from
the tailings is captured in the seepage return pond & pumped to
the ore concentrator. In normal operation all flow of Bruno Creek
is consumed.

☐ See Remarks on page 4 for continuation

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
Bruno Ct. Diversion	-	-	-	-	-

*Code to correspond with No. on map and aerial photo

5. **Point(s) of Diversion:**

Ident. No.	Gov't. Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
		NW	NE	SW	25	12N	16E	Custer	Mine Plan Map - Unsurveyed land.

6. **Place(s) of Use:**

Indicate Method of Determination _____

Twp.	Rge.	Sec.	NE 1/4				NW 1/4				SW 1/4				SE 1/4				Totals
			NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	
11N	16E	12		X															

Do not use this space

D. FLOW MEASUREMENTS

☐ Additional Data Sheets Attached

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Installed Well -	Sized TYPE	unknown	Equation: $Q_{gpm} = 6561.8$		H ^{1.5}	
stage Recorder	F	STEVENS				

2. Measurements:

Maximum Q of record as of exam date was 4316 gpm

on 5/30/84 (see attached copy of record)

4316 gpm = 9.62 cfs

Stated Volume: Usable Storage in Seepage Return dam, per design storage-

elevation curve, is 58 AF. Volume of the tailings impoundment varies, but design requires storage of 1 PMF (1530 AF) + 160 AF over any 10-day period.

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

1. Measured Method:

2. Alternate Method for Checking Purposes:

F. PUMP EFFICIENCY DATA (Optional)

Discharge Pressure: _____ psi x 2.31 = _____ ft (1); Dynamic pumping level: _____ ft (2)

Total Head: (1) + (2) = _____ (3); Flow rate: _____ cfs (4)

Water HP: (3) x (4) ÷ 8.8 = _____ (5)

Meter Input KW: 3.6 x _____ KH x _____ CTR or _____ MULT x _____ PTR x _____ N/ _____ T = _____ (6)

Meter Input HP: (6) x 1.34 = _____ (7)

Panel Input KW: _____ Ave PF x _____ Ave Volts x _____ Ave Amps x .001732 = _____ (6)

Panel Input HP: (6) x 1.34 = _____ (7) Efficiency: (5)/(7) x 100 = _____ %

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$ _____

$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 =$ _____

$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} =$ _____

2. Volume Calculations for Other Uses:

See attached analysis

COPIED
JAN 17 1984

H. REMARKS AND OVERLAP REVIEW ANALYSIS

This Permit overlaps with 72-7193.

The license should be conditioned so that when combined with 72-7193, no more than 2916 AFA may be consumed.

I. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Industrial Storage	1/1	12/31		1600
Industrial Pm. Storage	1/1	12/31		1600
Industrial	1/1	12/31	9.62	2916
Totals:			9.62	2916

2. Recommended Amendments

☒ Change P.D. as reflected above

☐ Add P.D. as reflected above

☐ None

☐ Change P.U. as reflected above

☐ Add P.U. as reflected above

☐ Other

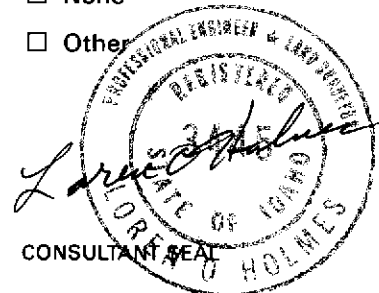
J. AUTHENTICATION

Field Examiner's Name Loren O. Holmes

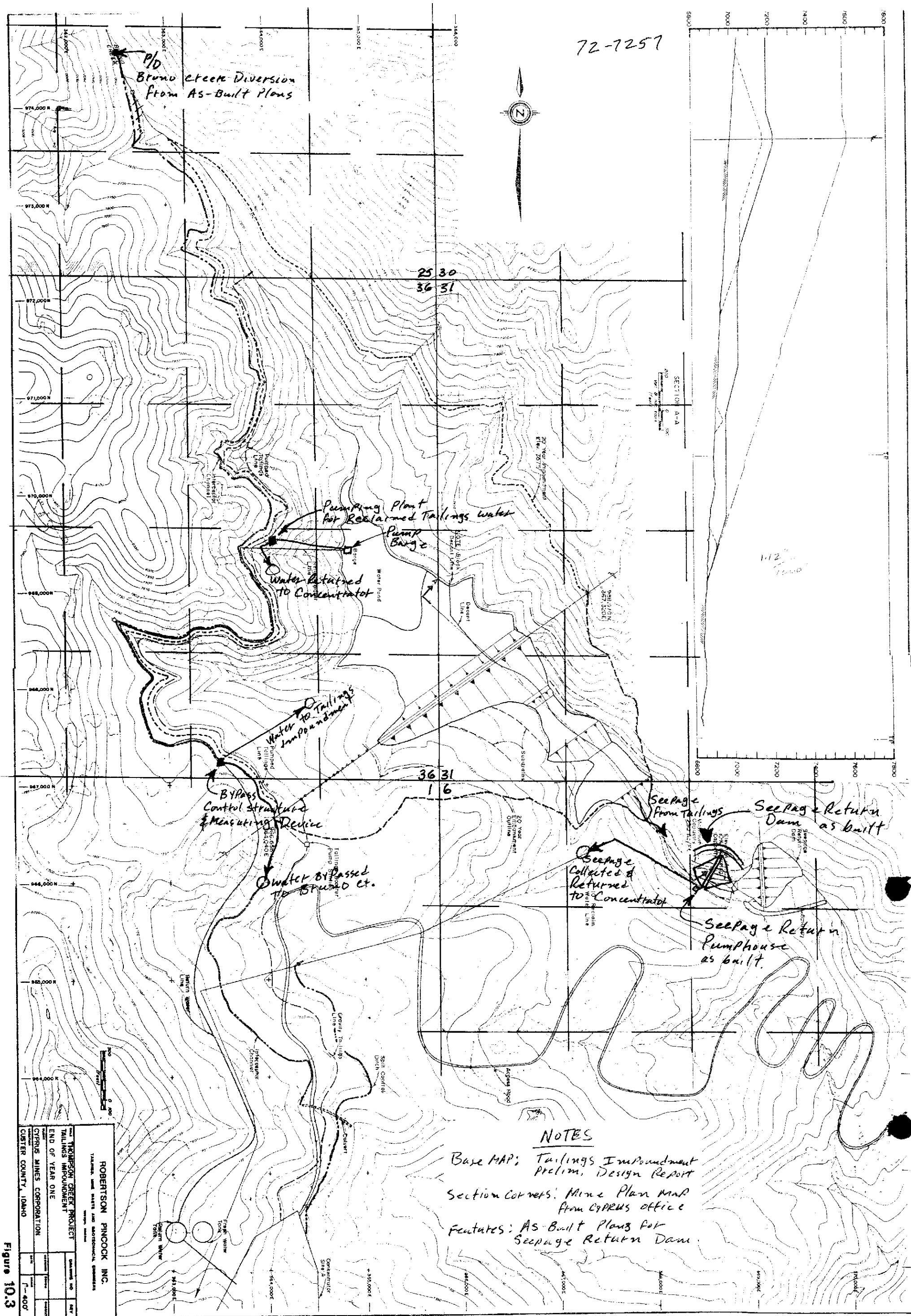
Signature Loren O. Holmes

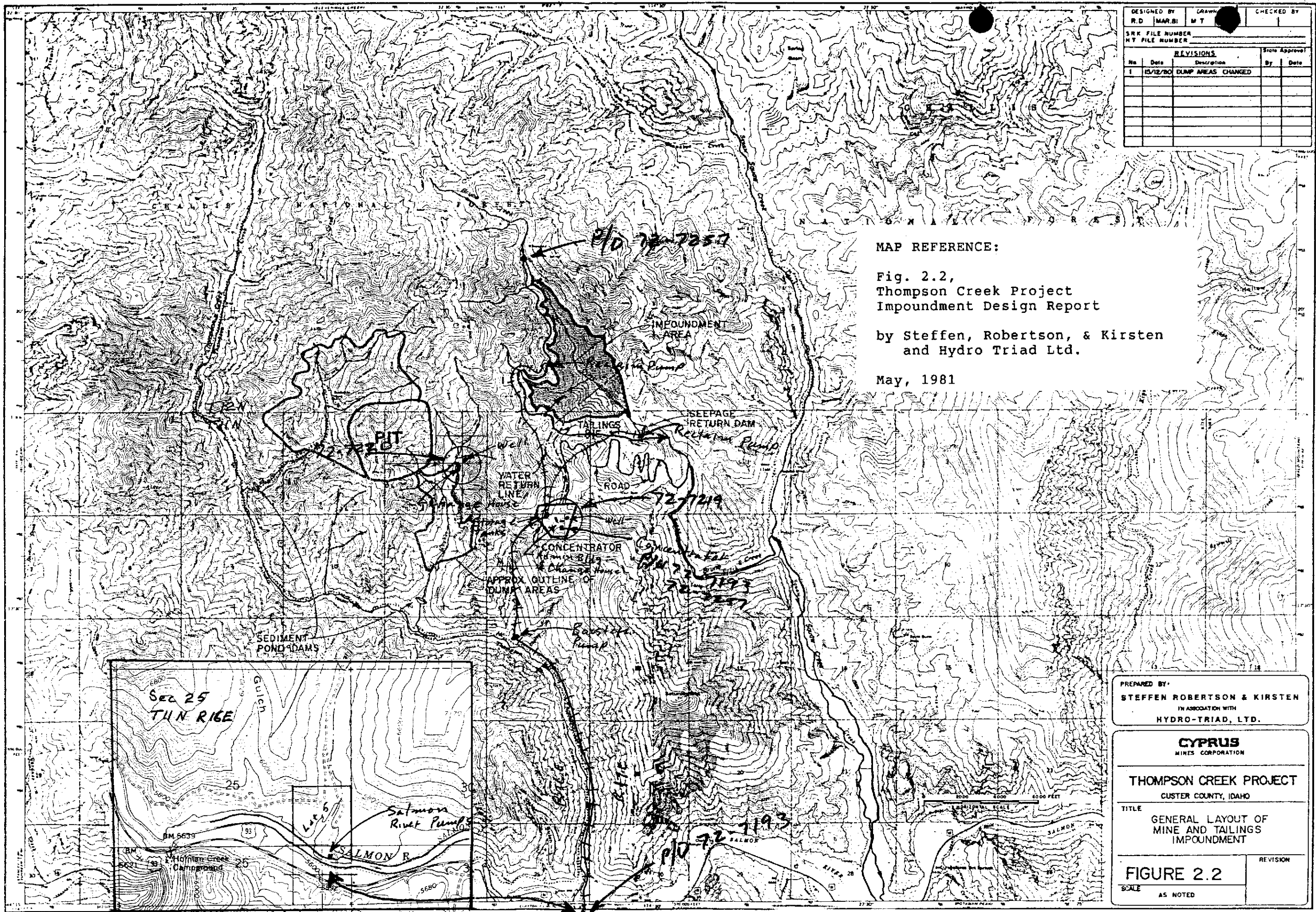
Certification Date 5/15/87

Field Report Preparation Date 8/17/88



K. Licensing recommendation shall be prepared by an Idaho Department of Water Resources employee on a computer printout attached hereto.





DESIGNED BY	R.D.	DRAWN BY	M.T.	CHECKED BY	
SRK FILE NUMBER					
MT FILE NUMBER					
REVISIONS				State Approval	
No.	Date	Description	By	Date	
1	15/12/80	DUMP AREAS CHANGED			

MAP REFERENCE:

Fig. 2.2,
Thompson Creek Project
Impoundment Design Report

by Steffen, Robertson, & Kirsten
and Hydro Triad Ltd.

May, 1981

PREPARED BY:

STEFFEN ROBERTSON & KIRSTEN

IN ASSOCIATION WITH

HYDRO-TRIAD, LTD.

CYPRUS

MINES CORPORATION

THOMPSON CREEK PROJECT

CUSTER COUNTY, IDAHO

TITLE

GENERAL LAYOUT OF
MINE AND TAILINGS
IMPOUNDMENT

FIGURE 2.2

SCALE AS NOTED

REVISION

72-7257

ANALYSIS OF WATER REQUIREMENTS

PERMITS 72-7193 AND 72-7257

Flow and Consumptive use

The two permits represent the water supply for the operation of the ore concentrator. At its maximum capacity of 35,000 tons of ore per day (per Jamie Sturgess during exam) the concentrator requires a water flow of approximately 30 cfs. In normal operation, all flows of Bruno Creek are diverted into the tailings impoundment and the concentrator uses water reclaimed from the tailings and seepage return ponds. The Salmon River pumping plant supplies water to make up the difference between the process requirements and the water supplied from Bruno Creek. If no water is available from Bruno Creek or in a startup situation, the Salmon River pumps have the capacity to supply the entire operating requirement until sufficient water is stored in the impoundments to operate the plant on reclaimed water.

Water balance information developed during the design of the tailings impoundment is based on a capacity of 25,000 tons per day. Adjustment of the water amounts estimated to be absorbed by slimes and sands by a factor of 1.4 gives the following estimates of water consumption at an operating capacity of 35,000 tons of ore per day:

WINTER OPERATION (274 days)

Flow consumed: 1890 gpm (4.21 cfs)

Volume consumed: 2289 acre-feet

SUMMER OPERATION (91 days)

Flow consumed: 1558 gpm (3.47 cfs)

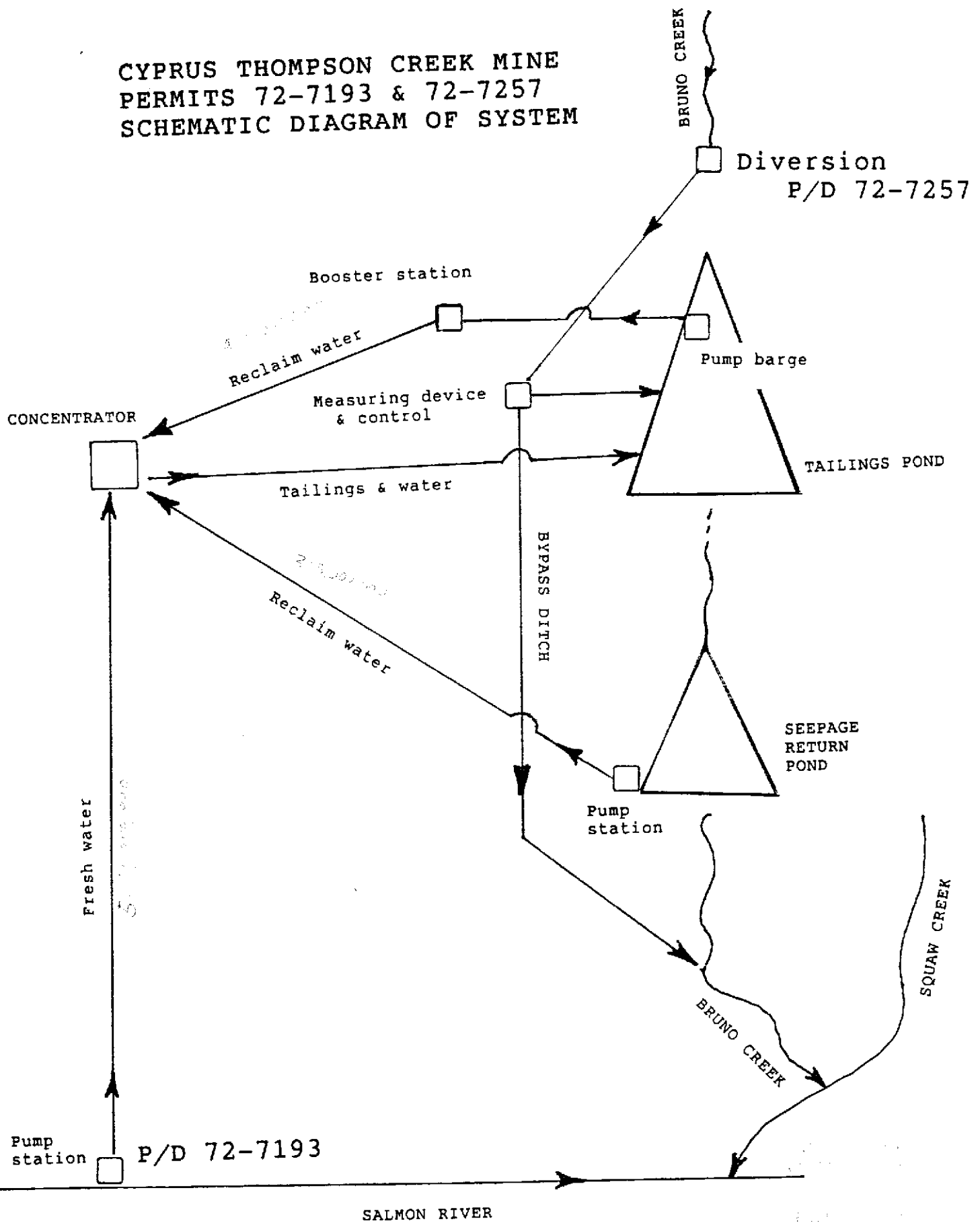
Volume consumed: 627 acre-feet

Total volume consumed per year: 2916 acre-feet

Stored volume

The tailings impoundment is designed to be able to store a probable maximum flood event (PMF). This is estimated to be 1530 acre-feet in the design report. Additionally, the impoundment has capacity to store 160 acre-feet over any 10-day period. The design storage quantities justify licensing a quantity of 1600 acre-feet for industrial storage.

CYPRUS THOMPSON CREEK MINE
PERMITS 72-7193 & 72-7257
SCHEMATIC DIAGRAM OF SYSTEM

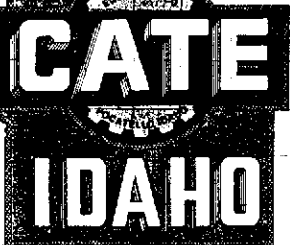


4984

Runoff Interceptor Records

weir equation = $2.56 \sqrt{H}$

72-7257



Pocatello
(208) 232-7001
Boise
(208) 344-0101

RIS II Pipe inflow
Gauge

Date	RIS I Gauge	L-4.5 rate gpm	RIS II Acre-ft RISI	RIS II Gauge	RIS II rate DSS	RIS II Acre-ft	Total Acre-ft diverted
April 18	0.09	175	>5	0	0	0	
April 23	0.115	275	>4			0	5
April 28	0.08	100	>2	.33	-0-	0	4
May 3	0.03	60	>1.3	.42	115	0	2
May 8	0.03	60		.40	115	.15	1.45
May 9	0	0	-0-	50	200	.3	.3
May 10	.140	344	1.5	.5	30	.44	1.94
May 11	.135	325	1.5	.5	30	.44	1.94
May 12	.175	480	2.1	.56	50	.75	2.85
May 13	0.24	771	3.4			1.2	4.6
May 14	0.145	200	0	.715	480	2.3	2.3
15	0.35	1,357	5.9:2=3.0	1.3	8,140	9.5	12.5
16	.35	1,357	4.4	0.8	643	3.0	7.4
17	.33	1,243	5.5	.73	512	3.3	8.8
May 18	.35	1,357	6	.69	445	2	8
19	.37	1,477	6.5	.70	461	1.8	8.3
20	.40	1,660	7.3	.78	604	2.6	9.9
21	.43	1,850	8.2	.79	623	2.7	10.9
22	.46	2,047	7.2	.75	547	2.7	9.6
23	.475	2,148	9.5	.76	566	2.6	12.0
24	.42	1,786	7.9	.72	495	2.1	10.0
25	.40	1,660	7.3	.70	461	1.8	9.1
26	.50	2,320	10.2	.75	547	2.8	13.0
27	.53	2,532	11.2	.73	512	2.4	13.6
28	.52	2,460	10.9	.71	478	2	12.9
29	.68	3,680	16.3	.95	984	3.8	20.1
30	.76	4,316	19.1	1.22	1,831	10.6	29.7
31	.62	3,203	14.1	1.55	3,315	13	27.1
June 1	.58	2,898	12.8	1.34	2,310	8.9	21.7
2	.60	3,049	13.5	.96	1,010	5.1	18.6
3	.59	2,974	13.1	.72	495	2.4	15.5
4	.59	2,974	13.1	.70	461	2	15.1
5	.59	2,974	13.1	.68	430	1.8	14.9
6	.59	2,974	13.1	.66	391	1.5	14.6
7	.52	2,460	10.9	.63	355	1.4	12.3

Totals

264.9

97.1

31.2

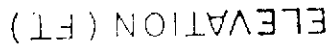
4121.58
+ H
27.5
horiz
gpm

45.7

100.3

16.5

6861 93 NOV



STORAGE - ELEVATION CURVE
(Seepage Return Dam)

72-7257

With the runoff intercepting system operating the annual volume of flow reaching the impoundment can be maintained equal to, or less than, the average annual flow of Bruno Creek.

4.2.2 Flood Flows

During extreme flood events the capacity of the runoff intercepting system will be exceeded; the excess flow reaching the impoundment during a flood requires a reserve flood storage capacity in the impoundment. The estimated magnitudes of floods of various frequencies are described in Section 3.4 and Appendix 1.

All floods which reach the tailings impoundment will be temporarily stored on the impoundment surface. For this reason flood volumes are of more interest than flood discharge rates. Estimated flood volumes, without diversion by the runoff intercepting system, are shown below.

SUMMARY OF TAILINGS IMPOUNDMENT (2.8 mi²) FLOOD VOLUMES

<u>Return Period (Years)</u>	<u>Duration</u>	<u>Type</u>	<u>Volume (ac-ft)</u>	<u>Peak Discharge (cfs)</u>
50	10 day	Snowmelt	285	37
100	10 day	Snowmelt	310	39
1000	10 day	Snowmelt	380	45
10000	10 day	Snowmelt	440	51
PMF	1 day	Precipitation	1530	8800

With the exclusion of the PMF, all significant floods are long duration snowmelt events. These events can be predicted (see Section 4.3). The runoff interceptor system has the capacity to divert approximately 160 acre-ft over any 10 day period, substantially reducing even the 10000 year event. Flood volumes which do reach the impoundment surface can be stored until they are absorbed by normal impoundment operation. This can be achieved by diverting all flow collected by the runoff interceptor in the period following the flood event. The inflow to the system will be reduced until the required return water pond storage is reached.

The impoundment simulation studies show that the reserve flood storage capacity may drop to about 1,100 acre-ft during the first year of operation. This is 72 percent of the PMF volume; but, it is 2.5 times larger than the estimated volume of a 10-day 10,000-year frequency snowmelt flood. The reserve flood storage volume will be less than the PMF volume for approximately four months during the first year. Thereafter, the entire volume of a PMF can be safely stored in the impoundment at all times. (See Addendum 1 Appendix 6).

4.3 System Operation

The operation of the cyclones and the deposition sequence for tailings sand and slimes are discussed in Section 5.0. Operation of the runoff interceptor system and the water reclaim barge will be crucial in maintaining the water balance of the impoundment system. A general layout plan of the interceptor system is shown on Figure 4.3. Details of the system are discussed in SRK-HT report "Runoff Interception System Final Design". Sufficient capacity to compensate for deficits in the volume of water required for operation is available from the production wells located in lower Bruno Creek.

The runoff intercepting system provides operating flexibility which allows the volume of stored water in the impoundment to be controlled.

The runoff intercepting system capacity has been selected as 8 cfs. The system intercepts 1.35 square miles, 48 percent of the total drainage area. This 48 percent is estimated to contribute some 70% of snowmelt runoff, as the snow pack is primarily located on the west side of the impoundment. The system capacity is sufficient to divert all flow in excess of the average annual flow. If a 100-year frequency snowmelt event occurs in June, the diversion system will capture nearly all the water which reaches the inlets; some spill into the impoundment will occur. This spilled volume plus runoff from the area which is not intercepted will be approximately equal to the average June runoff from the entire basin.

Source:

Tailings Impoundment
Design Report

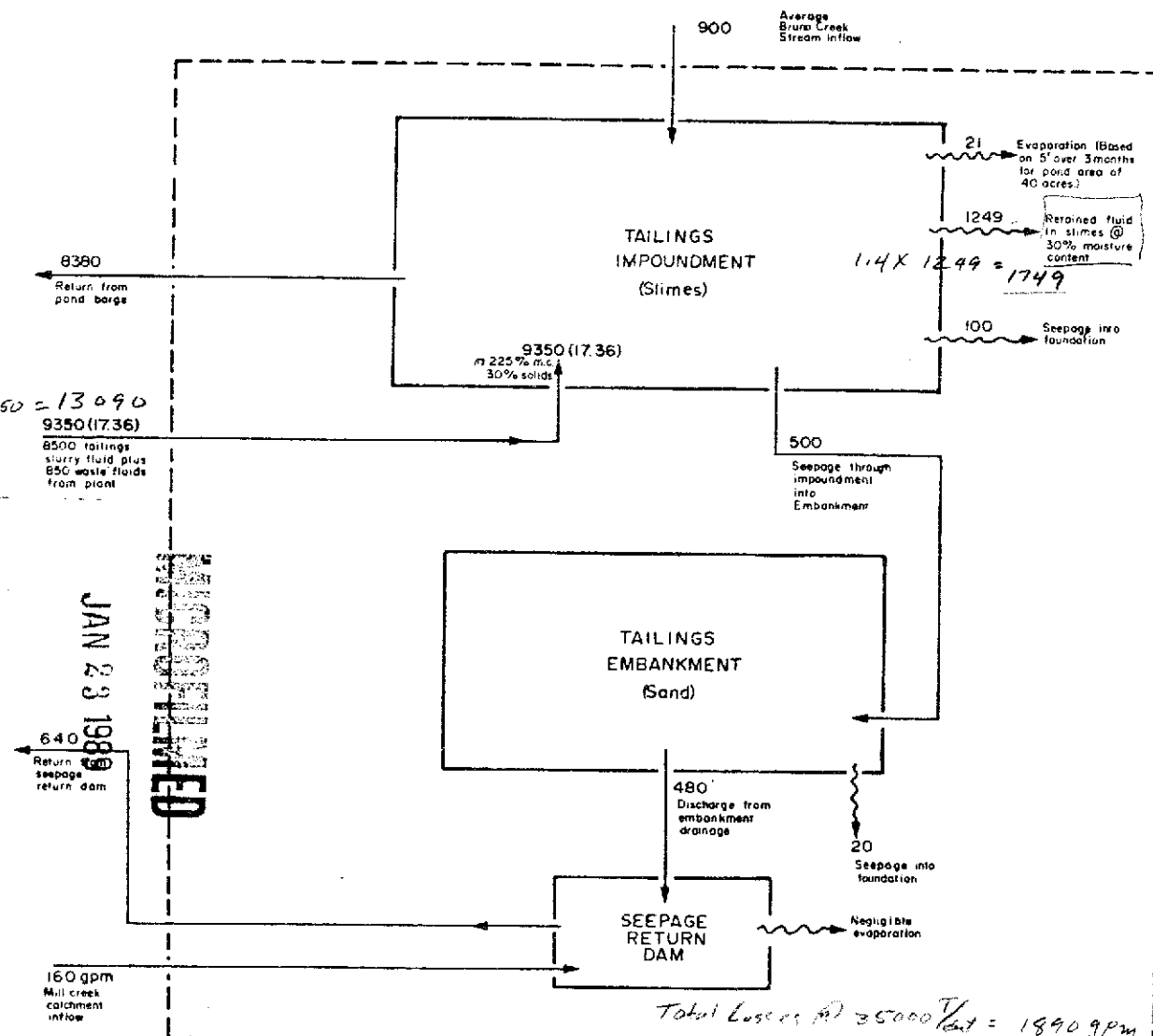
May 1981

TABLE 3.1

AVERAGE MONTHLY SYNTHETIC STREAM FLOWS
UPPER BRUNO CREEK AT THE TAILINGS EMBANKMENT AXIS

<u>MONTH</u>	<u>cfs</u>	<u>Acre-ft.</u>	<u>Equivalent Depth in.</u>
October	.5	31	.20
November	.5	29	.19
December	.4	27	.18
January	.4	25	.17
February	.4	22	.15
March	.4	25	.16
April	2.8	168	1.12
May	6.7	411	2.75
June	8.0	478	3.20
July	1.8	108	.72
August	.6	37	.24
September	<u>.5</u>	<u>29</u>	<u>.19</u>
Annual	1.9	1392	9.32

INSTANTANEOUS WATER BALANCE WINTER OPERATION



KEY

(i) Figures in parenthesis represent tons/minute solids flow and figures outwith parenthesis represent U.S. gallons/minute fluids flow. i.e. 9350 (17.36) = 17.36 tons and 9350 U.S. gallons per minute.

(ii) m.c. = Moisture content.
i.e. m.c. = $\frac{\text{weight of fluids}}{\text{weight of solids}}$

NOTES

- Water balance based on daily production of 25,000 tons tailings solids.
 $35000 \text{ at } 140\%$
- Water balance examines the situation where the dam is past the start-up period.
- Seepage from impoundment to embankment is based on two dimensional flow net analysis with impoundment at elevation 7450'. This estimate of seepage quantity is subject to refinement.
- Seepage into the dam foundation is based on the assumption of vertical saturated seepage only into a foundation material with effective permeability of 10^{-6} cm/sec over an area of 160 acres. This estimate of seepage quantity is subject to refinement.
- Evaporation has been evaluated assuming a constant rate over three months totalling 5" from a free standing fluid surface.

ROBERTSON PINCOCK INC.

TAILINGS MINE WASTE AND GEOTECHNICAL ENGINEERS

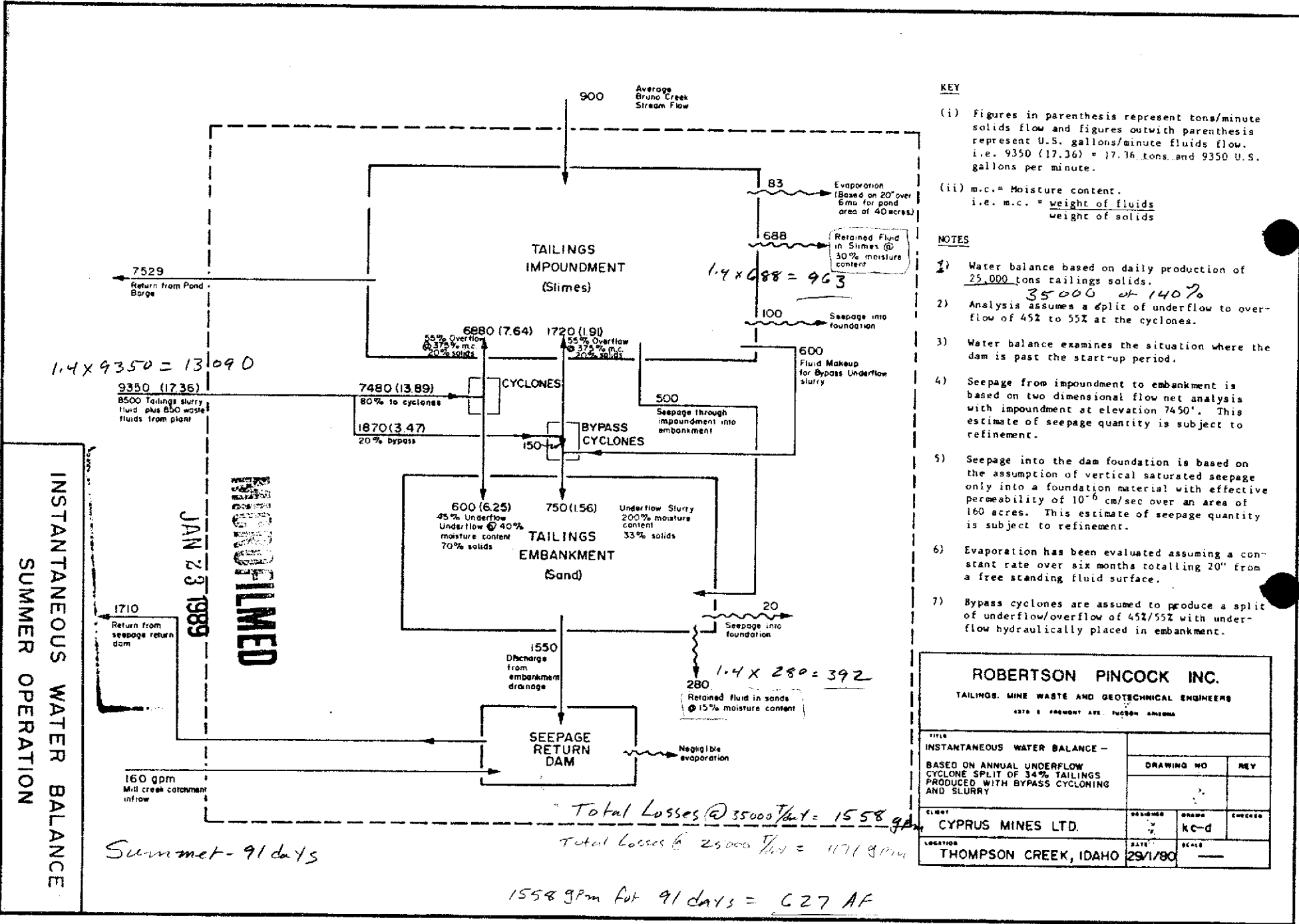
4110 E. FRONT ST. TUCSON, ARIZONA

TITLE		DRAWING NO.		REV
INSTANTANEOUS WATER BALANCE				
WINTER OPERATION				
CLIENT	DESIGNED	DRAWN	CHECKED	
CYPRUS MINES LTD.		KC-d		
LOCATION	DATE	SCALE		
THOMPSON CREEK, IDAHO	23/1/80			

$$\text{Total Losses @ } 35000 \text{ T/d} = 1890 \text{ gpm}$$

Winter - 274 dits

$$1890 \text{ gpm for } 274 \text{ dits} = 2289 \text{ AF}$$

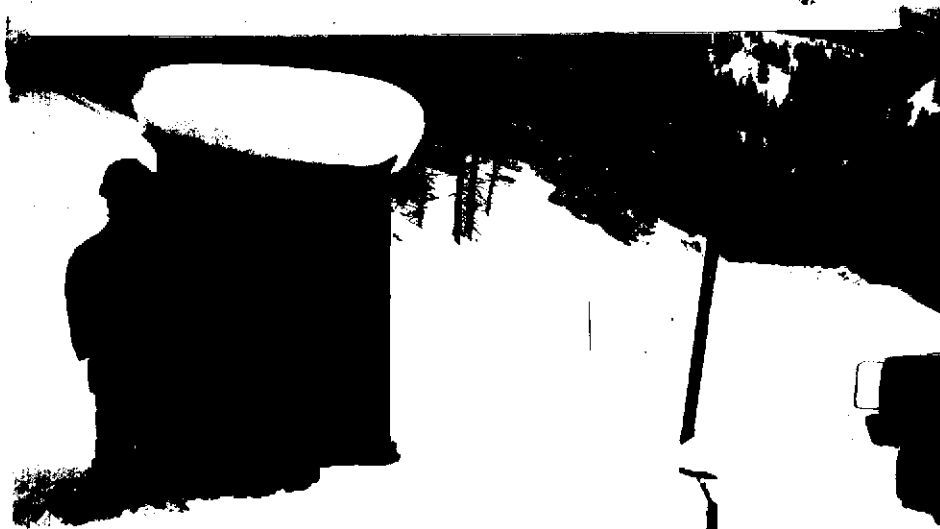


72-7257



72-7257
11/13/84

Seepage Return Pond
Tailings Dam in Background



72-7257
11/13/84

stage Recorder shelter
Well in manhole below.



72-7257
11/13/84

impoundment.

72-7257
JAN 1 1985

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

72-7257
Permit No.

Staff Analysis Sheet
for
Beneficial Use Field Report

A. Prior to Conducting the Exam, the File Contains:

- ☐ Blank Field Report Form
- ☐ Copy of Permit
- ☐ Copies of any Amendments/Orders with conditions of approval
- ☐ Computer Data Proof Report
- ☐ Copy of U.S.G.S. Quad
- ☐ Check for Government Lots. If so, make a copy of Government Plat

Check of P/D index _____ (Initial and date)

Overlap? ☐ yes ☐ no If yes: ☐ copy of exam(s) attached?

Type of Overlap? ☐ Add acres or uses to existing system
☐ Increase rate of flow or volume
☐ Other: _____

Check of P/U index _____ (Initial and date)

Overlap? ☐ yes ☐ no If yes: ☐ copy of water right(s) attached?

Type of Overlap? ☐ Increase rate of flow or volume
☐ Add P/D's
☐ Increase number of acres within tracts
☐ Other: _____

Aerial Photo

Required? ☐ yes ☐ no If yes: ☐ copy attached?

Scheduling Letter sent? _____ (Initial and date)

☐ Appointment made and telephone conversation memo attached

B. After Conducting the Exam, the File Contains:

- ☒ Fully completed and signed Field Report Form
- ☒ Photographs of Point of Diversion and Place of Use
- ☒ Corrected Computer Data Proof Report with recommended license information, and date and signature of examiner.

C. Review and Processing:

Exam Completed *Sarah D. Balmer 11/13/84* (Signature of examiner and date)

Exam Reviewed by Senior Water Resource Agent _____ (Initial and date)

Exam Reviewed by Manager of Regional Office _____ (Initial and date)

Exam Date Entered in Computer _____ (Initial and date)

Exam sent to State Office _____ (Initial and date)

Copy of Staff Analysis Sheet sent to Manager of Regional Office and Original
Refiled in White File _____ (Initial and date)

ELAM, BURKE AND BOYD

ATTORNEYS AND COUNSELORS AT LAW

BOISE OFFICE

702 WEST IDAHO
POST OFFICE BOX 1559
BOISE, IDAHO 83701
TELEPHONE 208-343-5454

CANYON COUNTY OFFICE

1120 SIXTH STREET SOUTH
POST OFFICE DRAWER E
NAMPA, IDAHO 83653
TELEPHONE 208-466-9222

RECEIVED

AUG 11 1988

Department of Water Resources
Southern Region Office

BOISE OFFICE

LAUREL E. ELAM (1888-1974)
CARL A. BURKE (1898-1961)
CARL P. BURKE
PETER J. BOYD
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M. ALLYN DINGEL, JR.
JACK S. GJORDING
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KAYE L. O'RIORDAN
RYAN P. ARMBRUSTER
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MELVILLE W. FISHER II
WILLIAM G. DRYDEN

TODD J. WILCOX
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TRUDY HANSON FOUSER
D. ALAN KOFOED
SCOTT L. CAMPBELL
BOBBY KILLIAN DOMINICK
W. DALLAS BURKHALTER
ALAN CONILOGUE
ELAINE D. HANSON
JEFFERY J. VENTRELLA
BRENDA G. MEIER
JOHN J. JANIS
WENDY E. D. SMITH
JAMES A. FORD
STEVEN D. ERDAHL
SCOTT W. DAVIDSON
JEFFREY A. THOMSON

CANYON COUNTY OFFICE

WILLIAM F. YOST

August 10, 1988

Loren O. Holmes, P.E.
Southern Region Manager
State of Idaho
Department of Water Resources
2148 4th Avenue East
Twin Falls, Idaho 83301

August 22 1988
Department of Water Resources

Re: Cyprus Thompson Creek Mining Company Water Permits
Nos. 72-7193, 72-7219, 72-7220, and 72-7257

Dear Loren:

This will confirm our telephone conversation of August 8, 1988, regarding the above-referenced water permits. You indicated to me that, in view of the formal request for expedited treatment of these permits for licensing purposes, you would exercise your best efforts to complete the examination of the field examination information and other documentation so that the Region recommendation for licensing could be issued within 30 days of this correspondence.

You also indicated that expedited treatment of these permits for licensing purposes could be requested of the Central Office of the Idaho Department of Water Resources. Your assistance in obtaining such expedited treatment from the Central Office will be appreciated. Additionally, I would like to thank you for your cooperation and consideration of these permits.

Very truly yours,

ELAM, BURKE & BOYD

Scott L. Campbell
Scott L. Campbell

SLC:jc
cc Pat Fitch
Craig Gardiner
Bert Doughty
Carl Burke

JAN 23 1989



State of Idaho

DEPARTMENT OF WATER RESOURCES

Southern Region, 2148 4th Ave. East, Twin Falls, Idaho 83301 (208) 734-3578

CECIL D. ANDRUS
Governor

R. KEITH HIGGINSON
Director

July 11, 1988

Scott L. Campbell
P.O. Box 1559
Boise, ID 83701

Re: Cyprus Thompson Creek Mining Co. Permits 72-7101, 72-7192,
72-7219, 72-7220, 72-7257, and 72-7267

Dear Mr. Campbell:

I have researched our files on the above water permits and can report the following:

72-7101 Source: Groundwater Proof Filed: 5/12/82

This permit is for water supply to the construction camp near the mouth of Squaw Creek. The water system was installed and proof was filed. At the end of the construction phase of the mine, the camp was dismantled and the system abandoned. At this point, our file indicates that there is no beneficial use of water under the permit. This office has recommended that Cyprus relinquish the permit.

72-7193 Source: Salmon River Proof Filed: 11/9/84

This permit is for industrial process water diverted from the Salmon River. A field examination was made on 11/13/84. Licensing is pending completion of analysis of field data.

72-7219 Source: Groundwater Proof Filed: 1/10/84

This permit is for potable water supply to the administration building and ore concentrator. a field examination was made on 11/13/84. licensing is pending completion of analysis of field data.

72-7220 Source: Groundwater Proof Filed: 6/28/83

this permit is for potable water supply to facilities at the primary crusher. a field examination was made on 11/13/84. licensing is pending completion of analysis of field data.

72-7257 Source: Bruno Creek Proof Filed: 7/1/83

This permit is for industrial process water from Bruno Creek. The right includes storage of water in the tailings pond and seepage return pond. A field examination was made on 11/13/84. Licensing is pending completion of analysis of field data.

JAN 23 1989

July 11, 1988
Scott L. Campbell
Page 2

72-7267 Source: Thompson Creek

This permit is for irrigation of 32.9 acres (Gettysburg agricultural land). Proof is due 3/1/89 and has not yet been filed. No field examination has been made.

We will strive to have the licenses issued prior to the date waterusers in Custer County will be given notice to file claims in the Snake River Basin Adjudication. At the present time, notice to Custer County is scheduled for September, 1989.

If I can be of any further assistance, please let me know.

Very Truly yours,

Loren O. Holmes, P. E.
Southern Region Manager

LH

JAN 11 1989

ELAM, BURKE AND BOYD

ATTORNEYS AND COUNSELORS AT LAW

BOISE OFFICE

702 WEST IDAHO
POST OFFICE BOX 1559
BOISE, IDAHO 83701
TELEPHONE 208-343-5454

CANYON COUNTY OFFICE

1120 SIXTH STREET SOUTH
POST OFFICE DRAWER E
NAMPA, IDAHO 83653
TELEPHONE 208-486-9222

BOISE OFFICE

LAUREL E. ELAM (1888-1974)	TODD J. WILCOX
CARL A. BURKE (1898-1961)	PETER C. K. MARSHALL
CARL P. BURKE	KENNETH M. SEBBY
PETER J. BOYD	TRUDY HANSON FOUSSER
J. RAY DURTSCHI	D. ALAN KOFOED
M. ALLYN DINGEL, JR.	SCOTT L. CAMPBELL
JACK S. GJORDING	BOBBI KILLIAN DOMINICK
JOHN MAGEL	W. DALLAS BURKHALTER
DAVID B. LINCOLN	ALAN CONOLOGUE
RICHARD C. MELLON, JR.	ELAINE D. HANSON
ROBERT M. TYLER, JR.	JEFFERY J. VENTRELLA
JAMES D. LARUE	BRENDA G. MEIER
RANDALL A. PETERMAN	JOHN J. JANIS
WILLIAM J. RUSSELL	WENDY E. D. SMITH
KAYE L. O'RIORDAN	JAMES A. FORD
RYAN P. ARMBRUSTER	STEVEN D. ERDAHL
DAVID E. COMSTOCK	SCOTT W. DAVIDSON
MELVILLE W. FISHER II	JEFFREY A. THOMSON
WILLIAM G. DRYDEN	

CANYON COUNTY OFFICE

WILLIAM F. YOST

May 26, 1988

RECEIVED

JUN 8 1988

Department of Water Resources
Southern Region Office

Allen Merritt, P.E.
Water Resource Engineer
Idaho Department of Water Resources
Southern Region Office
2148 4th Avenue East
Twin Falls, Idaho 83301-7451

Re: Water Permits Nos. 72-7101, 72-7193, 72-7219, 72-7220,
72-7257, and 72-7267

Dear Allen:

This is to confirm our telephone conversation of May 25, 1988, regarding the water permits held by Cyprus Thompson Creek Mining Company, this firm's client.

The main focus of our discussion was the June 1, 1988, deadline for submission of proof of beneficial use, contained on Water Permit No. 72-7257. I indicated to you that my copy of the permit, as well as the water rights proof reading computer printout generated by your Department, indicated that the proof of beneficial use deadline was June 1, 1988. I indicated to you, upon your request, that the computer printout listed the proof made date as January 1, 1900. You informed to me that this apparently incorrect date was provided when the transition was made to computer records by the Department. You indicated that this date demonstrated to you that the required proof of beneficial use had been made for Water Permit No. 72-7257. You also indicated that no additional action would be required prior to the June 1, 1988, deadline.

We also discussed the fact that several water permits owned by Cyprus have not yet been converted into water licenses. Upon my request, you offered to verify the status of each of those pending permits so that I can take any additional required steps to assure that water licenses are issued.

RECEIVED

JAN 23 1989

Allen Merritt, P.E.
May 26, 1988
Page 2

In this regard, I would like to receive a status report regarding the following water permits: 72-7101, 72-7193, 72-7219, 72-7220, 72-7257, and 72-7267.

According to the information provided to me, a field exam was conducted on all of the above-referenced water permits, except for Permit No. 72-7267, on November 13, 1984. I assume that the required proof of beneficial use affidavit was submitted prior to the field exam with respect to each water permit. Please notify me if this assumption is incorrect.

Water Permit No. 72-7267 indicates that the proof of beneficial use deadline is March 1, 1989. Additionally, I have no indication that a field exam has been conducted with respect to this permit or that proof of beneficial use has been submitted to the Department.

As I indicated during our telephone conversation, I desire to resolve all outstanding issues regarding the above-referenced permits so that licenses can be issued for these water rights prior to the preparation of the required claim filing in the Snake River Basin Adjudication. I appreciate your assistance and cooperation to accomplish this task.

Please provide me with a written response at your earliest convenience.

Very truly yours,

ELAM, BURKE & BOYD


Scott L. Campbell

SLC:jc
cc Pat Fitch
Carl Burke
Craig Gardner
Bert Doughty



State of Idaho

DEPARTMENT OF WATER RESOURCES

SOUTHERN REGION

CECIL D. ANDRUS
Governor

A. KENNETH DUNN
Director

2148 4th Ave. E.
Twin Falls, Idaho 83301
(208) 734-3578

April 23, 1987

Cyprus Thompson Creek Mining Co.
Attn: Barbara Metz
P.O. Box 62
Clayton, Idaho 83227

RE: Status of Water Rights

Dear Barbara:

As we discussed in our meeting on April 16, 1987 I have checked our records against the index of water rights your company has kept. Our records indicate the following:

<u>Water Right</u>	<u>Status</u>
72-7117	Assigned to City/Exam complete/License Pending
72-7118	Relinquished or Withdrawn
72-7134	Relinquished or Withdrawn
72-7193	Field exam complete/License Pending
72-7219	Field exam complete/License Pending
72-7220	Field exam complete/License Pending
72-7257	Field exam complete/License Pending
72-7267	Permit proof due 3/1/1989
72-7984	Lapsed
72-7083	Lapsed
72-7084	Lapsed
72-7099	Relinquished or Withdrawn
72-7100	Lapsed
72-7101	No relinquishment on file/No beneficial use found 11/84

As can be seen our records give except for 72-7101. Please find enclosed a relinquishment form which I suggest you complete and return to our office to clear up this discrepancy.

Please also find enclosed the proof reports on the above described rights. Please note that the above listing does not include decreed or claimed rights which Cyprus owns.

I hope this listing helps you in your record keeping. I still plan to again visit the mine around May 20, 1987 so if you have further questions we might talk then.

Sincerely,

Allen Merritt
Allen Merritt, P.E.
Water Resource Engineer

JAN 23 1989



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
SOUTHERN REGION

John V. Evans
Governor

A. Kenneth Dunn
Director

1041 Blue Lakes Blvd. North
Twin Falls, Idaho 83301
(208) 734-3578

November 5, 1984

Jamie Sturgess, Environmental Supervisor
Cyprus Thompson Creek
P.O. Box 755
Challis, ID 83326

Dear Jamie:

Below is a list of current water permits in the name of Cyprus
and their status:

NUMBER	SOURCE	STATUS	USE & LOCATION
72-7100	Groundwater (Pit sump)	Proof due 6/1/85	Industrial at mine
72-7101	Groundwater	Exam pending	Domestic at Squaw Cr. camp
72-7083	Groundwater	Lapsed 9/1/84 May reinstate until 11/16/84	Mining & Domestic at mine
72-7084	Groundwater	Lapsed 9/1/84 May reinstate until 11/16/84	Mining & Domestic at mine
72-7117	Groundwater	Exam pending	Irrig., Domestic, Commercial; 800 units at Challis
72-7193	Salmon River	Proof due 8/1/87	Industrial at mine
72-7219	Groundwater	Exam pending	Industrial at mine
72-7220	Groundwater	Exam pending	Industrial, Dom. at mine
72-7257	Bruno Cr.	Exam pending	Storage in tailings & seepage dams

Please note that permits 72-7083 and 72-7084 have lapsed, but may
be reinstated if proof of beneficial use or applications for
extension of time are filed by Nov. 16, 1984. Proof cards and
extension of time forms are enclosed.

RECEIVED

JAN 23 1985

November 5, 1984
Jamie Sturgess
Page 2

We plan to be at the mine to do licensing exams on existing development on Nov. 13. Any additional proofs that need to be filed will be accepted at that time.

I will call at the end of the week to confirm time and place.

If you have questions, or if this office can be of assistance, please contact us.

Very truly yours,

Loren D. Holmes
Southern Region Supervisor

LOH:marya

Encl:

NOV 23 1984

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
Southern Region

1041 Blue Lakes Blvd. N.
Twin Falls, Idaho 83301
(208) 734-3578

AUGUST 4, 1983

CYPRUS THOMPSON CREEK MINING CO.
P.O. BOX 755
CHALLIS ID 83226

RE: Permit No. 72-7257

Dear Permit Holder:

We acknowledge receipt of your statement submitted as proof of beneficial use for the above referenced permit.

Before a license can be issued, a field examination must be made by a representative of this department.

A condition of approval of your original permit required the installation of a measuring device which, according to the proof card submitted by you, has not been installed. A measuring device must be installed and operating at the time the field examination is made. If a measuring device is not installed your permit may be subject to cancellation.

A field examiner will contact you to arrange to examine your system.

If you have any questions regarding the field examination, please contact this office by phone at 734-3578 or in person at our office at 1041 Blue Lakes Blvd. N. Twin Falls, Idaho.

Sincerely,
s/Mary A. Newby
Secretary

MAILED

DEPARTMENT OF WATER RESOURCES

The Idaho Department of Water Resources will consider this card as a statement that the permit holder(s) has completed development to the extent shown below of Permit No. 72-7257.

Name(s) of Permit Holder: Cyrus Thompson Creek Mining Co.

Post Office Address: PO Box 755

Challis, Idaho 83226 Tel. No. 838-2200

Source of Water: Bruno Creek

Extent of Use: ☐ Domestic (number of households)
☐ Stockwater (number and type of stock)
☐ Irrigation (acres)
☒ Other Industrial

Measuring Device: Required? ☒ Yes ☐ No Installed? ☐ Yes ☐ No

Access Point: Required? ☐ Yes ☐ No Installed? ☐ Yes ☐ No

The above information is a true statement of the extent to which the above numbered permit has been developed.

1 July 1983
Date

[Signature]
Signature of Permit Holder

Cypres Thompson Creek Mining Co.

PO Box 755

Challis, Idaho

83226



IDAHO DEPARTMENT OF WATER RI
STATEHOUSE
BOISE, IDAHO 83720

MICROFILMED

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

STATEHOUSE
BOISE, IDAHO 83720
(208) 334-4440

CYPRUS THOMPSON CREEK MINING CO.
P.O. BOX 755
CHALLIS, ID 83226

JUNE 21, 1983

RE: PERMIT NO. 72-7257

DEAR PERMIT HOLDER:

ENCLOSED IS A COPY OF YOUR APPROVED APPLICATION FOR PERMIT. WE DIRECT YOUR ATTENTION TO THE CONDITIONS OF APPROVAL ON THE FOURTH PAGE.

IF THE DIVERSION DAM IS 10 FEET OR MORE IN HEIGHT, OR HAS AN IMPOUNDING CAPACITY OF 50 ACRE-FEET OR MORE, CERTAIN DAM SAFETY REQUIREMENTS MUST BE MET. PLEASE CONTACT THE REGIONAL OFFICE NEAREST YOU FOR DETAILS.

BE SURE TO NOTE THE SPECIAL CONDITION REQUIRING YOU TO INSTALL A MEASURING DEVICE, OR AN ACCESS PORT TO PROVIDE FOR THE INSTALLATION OF MEASURING EQUIPMENT BY THE DEPARTMENT. ENCLOSED PLEASE FIND A LIST OF MEASURING DEVICE OPTIONS, AND SPECIFICATIONS FOR THE INSTALLATION OF THE ACCESS PORT.

SINCERELY,

DAVID R. TUTHILL, JR., P.E.
SUPERVISOR, WATER ALLOCATION SECTION

ENCLOSURE

RECEIVED

State of Idaho
Department of Water Resources

APPLICATION FOR PERMIT ANALYSIS SHEET

CO.
CYPRUS THOMPSON CREEK MINING

INITIAL REVIEW BY: G.F. Stanton

APPLICATION NUMBER: 72-7257

CHECK:

- ☒ Source.
☒ Point of diversion.
☒ County.
☒ Quantity of water and period of use.
☒ Description of diverting works.
☒ Time required for beneficial use of water.
☒ Place of use or acres irrigated.
☒ Map.
☒ Signature.
☒ Fee.
☒ Yes ☒ No Field check required.
☒ Yes ☒ No Critical groundwater area.
☒ Yes ☒ No Request dam safety information. Sent by: _____ Date: _____
☒ Yes ☒ No* In form to receipt.

Field check by: _____

Date: _____

Comments: _____

*REQUEST THE FOLLOWING ADDITIONAL INFORMATION FROM THE APPLICANT: _____

SEND COPIES TO:

- ☐ Idaho State Health Department.
☒ Idaho Fish and Game Department.
☐ Idaho Department of Lands.
☐ U.S. Bureau of Land Management.
☒ U.S. Forest Service.
☐ Other _____

Copies sent by: _____

Date: _____

marpa

4/7/83

Chilliw Nidl Forest marpa
Supervisor

5/4/83

PROCESSING:

- ☐ Yes ☒ No
☐ Yes ☐ No

Platted by: 8

Map No. 4-72

Other rights on same place of use. _____

N/A

- ☒ Yes ☐ No*

In form for advertising.

Final date for protests: 5/2/83

- ☐ Yes ☒ No

Protests received. If yes, record information on 4th page of application.

FINAL REGIONAL PROCESSING REVIEW:

- ☒ Affidavit of publication received. Date: _____
☒ Application published correctly. If not, record action taken: _____
☒ Fee amount, receipt date & number, recorded on application.
☒ Publication dates and paper, recorded on application.
☒ Protests, dates, withdrawal, etc., recorded on application.
☒ Recommendation & initial, recorded on application.

- ☒ Yes ☐ No

Measuring device required.

- ☒ Yes ☐ No

Access port required.

- ☐ Yes ☒ No

Will water be delivered by watermaster? If yes, what district?

3/11/83

Date of priority recommended.

Special conditions of approval or cover letter. 02B, 13, 18

01C, 07, 04, 06A

By: ADM

Date: 5/5/83

STATE OFFICE REVIEW:

return receipt

SLW/LO9, 103

- ☐ See attached sheet for more information.

By: Karp

Date: 5/19/83

RECEIVED
MAY 19 1983

Department of Water Resources

Send dam safety Info

POINT OF DIVERSION AND STREAM INDEX INFORMATION

TRACT SEC TWP RGE gov't rediv. REACH
lot (R)

IDAHO STREAM CODE INDEX

TRACT SEC TWP RGE gov't rediv. REACH
lot (R)

IDAHO STREAM CODE INDEX

TRACT SEC TWP RGE gov't rediv. REACH
lot (R)

IDAHO STREAM CODE INDEX

TRACT SEC TWP RGE gov't rediv. REACH
lot (R)

IDAHO STREAM CODE INDEX

TRACT SEC TWP RGE gov't rediv. REACH
lot (R)

IDAHO STREAM CODE INDEX



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
SOUTHERN REGION

John V. Evans
Governor

C. Stephen Allred
Director

1041 Blue Lakes Blvd. North
Twin Falls, Idaho 83301
(208) 734-3578

May 4, 1983

Roland Lieby
Supervisor Office
Challis National Forest
Challis, Idaho 83226

Re: Application for Permit No. 72-7257

Dear Mr. Lieby:

Enclosed is a copy of the above referenced application for permit
for your information and files.

Very truly yours,

Mary A. Newby
Sec/Office Corrd

for

Loren O. Holmes
Southern Region Supervisor

Encl:



INTER-DEPARTMENT MEMO — 1

FROM Allen Merritt

DATE 5/3/83

SUBJECT File 72-7257

SUBJECT Field Review of Application & Conv. with James Sturgiss of Cyprus Mines.

4/28/83 I met with Mr. Sturgiss and discussed the water rights for mine. At present the scheme seems to be that most all of the water requirements for the project will come from the development of 72-7193 on Salmon River and from wells covered under 72-7083 & 72-7084. Mr. Sturgiss stated that 72-7099 on Thompson Creek may be relinquished. This application is for the storage of water on Bruno Creek. This storage is in the large tailings and the Seepage Return Dam. Most of this storage will occur because of the above referenced permits however a portion will be or occur because of the flow in Bruno Creek.

ADN

SIGNATURE



STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES

SOUTHERN REGION

John V. Evans
Governor

C. Stephen Allred
Director

1041 Blue Lakes Blvd. North
Twin Falls, Idaho 83301
(208) 734-3578

April 7, 1983

Tom Reinecker
Regional Supervisor
Idaho Fish & Game Dept.
1515 Lincoln Road
Idaho Falls, Idaho 83401

Re: Application for Permit No. 72-7257

Dear Mr. Reinecker:

Enclosed is a copy of the above referenced application for permit for your information and files.

Sincerely,

Mary A. Newby
Sec/Office Corrd

Encl:

RECEIVED

R A T E O F I D R H O
DEPARTMENT OF WATER RESOURCES
Southern Region

1041 Blue Lakes Blvd N.
Twin Falls, Idaho 83301
(208) 734-3578
APRIL 7, 1983

Custer Publishing Company
P. O. Box 405
Challis, Idaho 83226

Gentlemen:

Enclosed you will find a legal notice which we wish to have published on the dates indicated (once a week for two consecutive weekly issues) in your newspaper. We have allowed ample time for you to submit a galley proof to this office for review before the first publication date. If you cannot publish the notice on the proposed dates, please contact us immediately.

An affidavit of publication must be submitted to the Department along with the publication bill. Your cooperation is appreciated. Please send the affidavit of publication and publication billings to this office before MAY 2, 1983.

Yours truly,

Mary R. Newby
Secretary

Encl.

NOTICE OF APPLICATION FOR WATER RIGHT

Notice is hereby given that the following application(s) have been submitted for permit to appropriate the public waters of the State of Idaho:

Z2-Z25Z-

CYPRUS THOMPSON CREEK MINING CO.

P.O. BOX 755, CHALLIS, ID 83226

Source: BRUND CREEK trib. to SQUAW CREEK

Date Filed: 03/11/1983

Diversion Pt: NWNE NENW Sec 06 T 11N R 17E SESW Sec 25 T 12N R 16E

Use: INDUSTRIAL	(30.00 CFS)
INDUSTRIAL STORAGE	(1600.0 AF)
INDUSTRIAL FROM STORAGE	(1600.0 AF)

In: NENE NWNE Sec 12 T 11N R 16E

If issued, the permit(s) will be subject to all prior water rights. Protests against the granting of any permit must be filed with the Director of the Idaho Department of Water Resources, 1041 Blue Lakes Blvd. North, Twin Falls, Idaho 83301 and received on or before MAY 2, 1983.

A. KENNETH DUNN

Director

Published 4/14 & 4/21/83.



STATE OF IDAHO

DEPARTMENT OF HEALTH AND WELFARE

DIVISION OF ENVIRONMENT
150 North 3rd Avenue
Pocatello, Idaho
83201

24 March 1983

Loren Holmes, District Supervisor
Department of Water Resources
1041 Blue Lakes Blvd. North
Twin Falls, Idaho 83301

Re: Cyprus/Thompson Creek
Application (Custer County)

Dear Mr. Holmes:

We have reviewed the application submitted by Cyprus Thompson Creek Mining Co., P.O. Box 755, Challis, for a permit to appropriate the public waters of the State of Idaho (Bruno Creek, tributary of Squaw Creek). The water is to be used as mining water supply.

We have no comments at this time.

Sincerely,

A handwritten signature in dark ink, appearing to read "JRM", with a stylized flourish extending from the bottom left.

John R. Moeller
Sr. Environmental Specialist

JRM/md
CC: Gordon Hopson

RECEIVED

MAR 26 1983

Department of Water Resources
Southern District Office