Curragh Resources Inc.

017748

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Y0B 1K0
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TELECOPIER COVER LETTER

TO:

GREGG JILSON, J.P. OF EXPLORATION

WHSE.

TELECOPIER NO. _____

FROM:

NAME: E. SOP.

CURRAGH RESOURCES INC., Box 1000, Faro, Yukon, Y0B 1K0

TOTAL NO. OF PAGES: 3 (Including Cover Letter) DATE: 27/08/91 TIME: ____ OPERATOR ____

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MESSAGE HELLO GREGG:

1/ OUR PRECIPITATION RECORD IS NOT COMPLETE FOR APRIL - MAY. SECURITY WAS ASSIGNED WEATHER-REPORTING DURING THE STRIKE BUT WASN'T CAREFULL TO RECORD PPT. I HAVE HOWEVER ASSEMBLED FARO AIRPORT PPT. DATA PLUS WHAT WE HAVE ON FILE WHICH IS COMPLETE.

2/ I HAVE APPENDED A BIOASSAY RESULT I RECIEVED TODAY FROM B.C. RESEARCH.

TAKE CARE

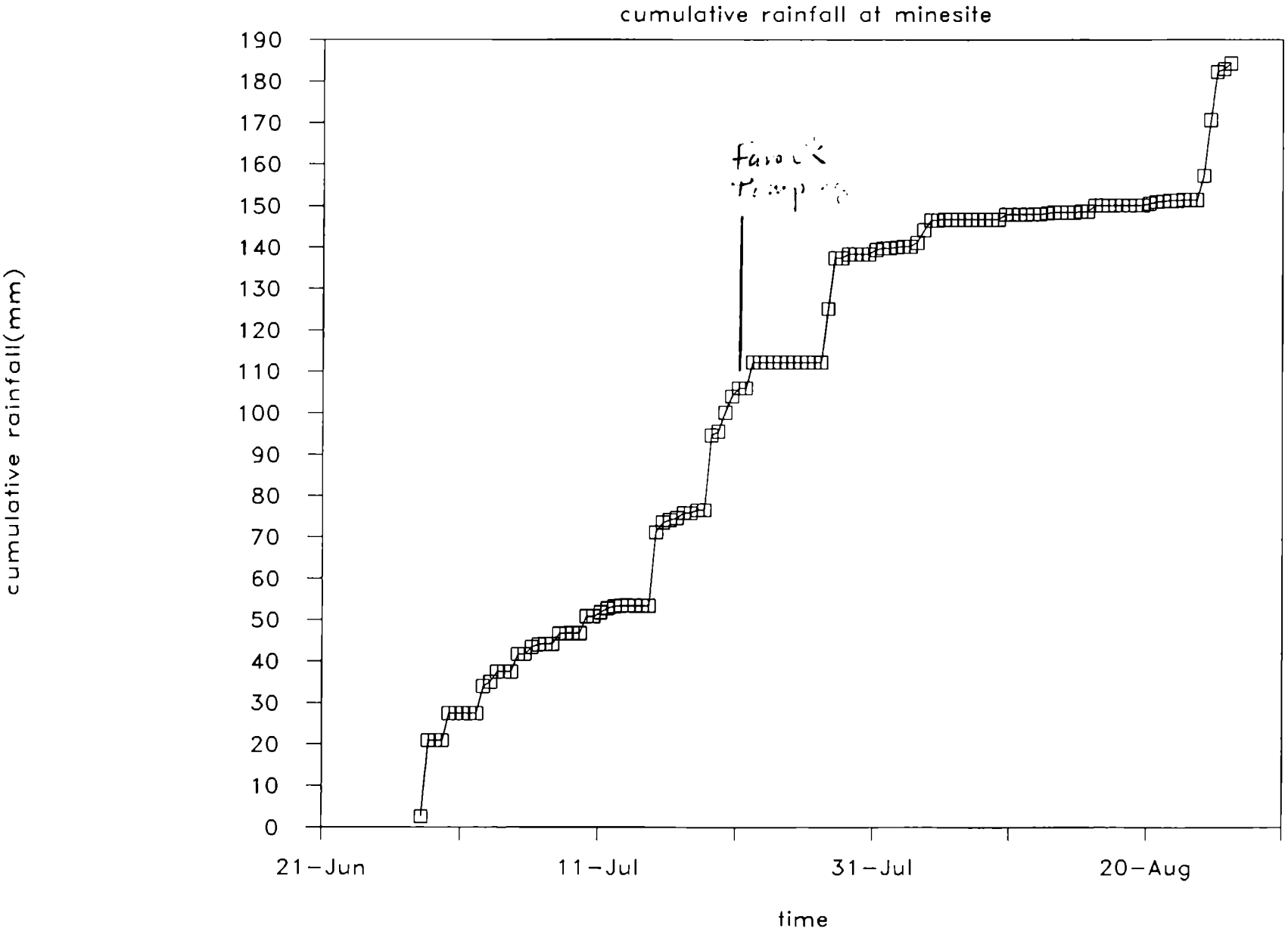
— E.

PRECIPITATION (mm)

APRIL – PRESENT 1991

DATE	FARO AIRPORT	FARO MINESITE
APRIL	2.8 mm	incomplete
MAY	22.4	not measured
JUNE	30.2	28.5
JULY	115.4	116.3
→ AUG 26		46.0

FARO MINE – RAINFALL

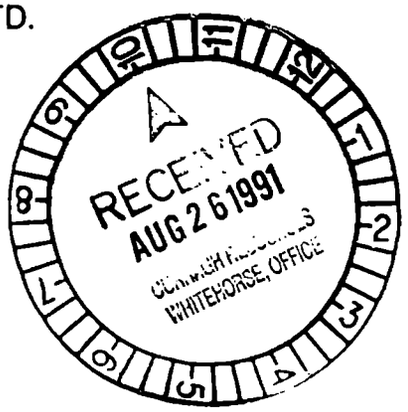


C.O. BRAWNER ENGINEERING LTD.
Consulting Geotechnical Engineers

Ste. 502, Kapilano 100, 100 Park Royal
WEST VANCOUVER, B.C., CANADA V7T 1A2

Telephone: (604) 922-3717
(604) 987-2771
Fax: (604) 925-1366

Prodn
Geotechnical
NE Wall



August 9, 1991

Mr. John Hogg
General Manager
Curragh Resources, Inc.
P.O. Box 1000
Faro, Yukon Y0B 1K0

Dear Sir:

Re: Evaluation of East Pit Wall Stability

Further to the request of Mr. Colin Benner, Vice President, the stability of the east pit wall has been inspected and evaluated.

A site inspection of the pit wall was made Wednesday, August 7, 1991. Typical site photographs are appended.

Information was provided to me by Mr. A. Stewart of Piteau Associates and Curragh Mining staff on movement monitoring and history, geology and structural geology, groundwater and surface water, blasting and the mining plan.

A summary of my comments and recommendations made to senior mining staff at the mine Thursday, August 8th is as follows:

Geology

The east wall is comprised extensively of moderately weak to weak phyllites with a high mica content and lower than normal friction angle, compared to other local rock.

A harder nose exists about midway along the east pit wall which is described as calc silicate rock. This rock is much more competent and is tending to act as a retaining wall to the slope.

The phyllites both north and south of the calc silicate is moving and ravelling. These zones are referred to as the north slump and south slump.

The major Big Indian Fault intersects the east wall at a small angle to the face and dips about 75 - 80° toward the pit. Prior to extensive movement, this fault was likely a low permeability barrier to water seeping toward the pit. This fault is about 100 feet wide.

Secondary shears have recently been observed which dip into the slope at about 65 - 70°. Recent toppling movement has occurred along these shears.

Curragh staff suggest a shear may exist at the contact of the calc silicate and underlying phyllite which is dipping about 40° toward the pit. This contact appears to have been encountered near the toe of the calc silicate slope. The location and orientation of this shear zone is very important to future stability and should be located accurately.

It is recommended that geology develop a cross-section perpendicular to the face along the center of the calc silicate block showing as much structural geologic detail as is known. This section should be forwarded to Mr. A. Stewart.

In order to develop an accurate model of the failure and failure mechanism, an accurate geologic model is required.

Failure Mechanism

Extensive slope monitoring has been performed. Figures 1 and 2 show movement results for hubs 15 and 16 about mid-height on the slope. Horizontal movement sectors are generally much larger than vertical sectors. This indicates toppling type failure. Observation from the south end of the east slope clearly indicates toppling failure with material moving in behind as a graben, which continues to apply lateral pressure.

The mechanism is described as a multiple toppling failure with the Big Indian Fault as the apparent back feature. As a result of this movement, follower slumping is occurring above and beyond the fault. The movements commenced during spring melt, accompanied with many rainy periods. On June 27th, active mining was halted due to the increased rate of ravelling.

The rate of movement between July 20 - 27 became very severe, reaching up to 3 metres per day. Extensive fracturing occurred in the central portion of the slope and major slope ravelling developed.

the calc sil?

Material between the two shears near the top of the calc silicate zone and the Big Indian Fault is moving downward as a graben pressuring the lower toppling zone.

The Faro Creek diversion ditch has existed for many years above the crest of the east wall. Past recommendations have been to line this ditch. However, this was never effectively done. Water from this ditch has continued to seep into the east wall, creating high water pressures. On July 21, Faro Creek was diverted by pumping

water from a sump into a pipeline so the diversion seepage ceased. Within one to seven days, movements began to slow dramatically and many are now in the order of only 10 percent of the maximum movement.

Toppling failures that the writer has encountered before are at the Annaconda Twin Buttes pit south of Tuscon, Arizona (25 million cu. yds.), Cassiar and Lornex (20 million cu. yds.).

Concern regarding the calc silicate and lower phyllite shear location and possible future movement along this shear must be addressed with better geological information. Continued field mapping of newly exposed benches is required.

Factors Which Contributed to the Movements

Rock Structure

The existence of the weak phyllites, the steep dipping Big Indian Fault and the secondary shears dipping into the slope contributed to the toppling failure.

The geology and existence of weak rock is a given which cannot be changed and must be taken into account in the design.

Groundwater

The presence of groundwater in the slope has a major impact on rock stability:

- shear strength is reduced due to buoyancy forces,
- cohesion of weak rock is reduced,
- seepage forces are created by drainage flow toward the face,

- water pressure in tension cracks is developed,
- hydrodynamic shock is created by blasting below the water table.

Since the mine was developed, seepage has existed in the east wall from the Faro Creek diversion. As the pit has been deepened, the influence of groundwater on stability has generally worsened. In July, movement increased substantially. On July 21, Faro Creek was diverted into a pipeline. Except for short term heavy rains since then, seepage infiltration has been reduced. The result has been a dramatic reduction in the rates of movement in the slide area. It is concluded that seepage has been the major factor impacting on the movement.

Considerable wet areas still exist in the lower slope area. Further effort to reduce water pressures in the slope is recommended.

Blasting

Seismic acceleration forces near this face have been large. A review of blasting plans for June 27th indicated that 1,800 kg to 4,600 kg per delay were detonated below the south slump using 234 holes. Back line spacing was 12 feet with 70 kg per hole.

Prior to the strike on March 19th, 50,800 kg were blasted in front of the calc silicate block using 9 production rows, up to 2,800 kg per delay and 308 holes.

These blasts in saturated ground would be expected to generate 20 - 40 in/sec particle velocity in the final wall. This is a severe shake which would cause dynamic stress in the rock.

To maintain future stability with an existing low safety factor, future blasting energy must be reduced.

Pit Face Curvature

The east wall has a curved alignment with the calc silicate projected somewhat into the pit. For the same slope angle, concave wall slopes result in increased stress on the slope.

Stress Relief

As an excavation is developed, the rock rebounds slightly due to stress relief. This increases porosity and may open discontinuities to allow additional water to infiltrate the rock structure.

It is important to note that two of the major factors which have influenced slope stability, groundwater and blasting, can be modified to improve stability or limit the impact on stability.

Present Danger

Movements commenced during spring melt gradually increasing until major acceleration July 20 - 27. Considerable ravelling developed. Due to the ravelling danger, the mining was discontinued June 27.

On July 21, Faro Creek was diverted into a pipe. Within 1 - 2 days movements decreased rapidly. At the same time, ravelling has greatly reduced.

I have no knowledge of any large toppling failure that collapsed rapidly anywhere in the world. Al Stewart of Piteau Associates concurs with this.

We are of the opinion that the slope condition is sufficiently safe for mining to re-commence with precautions and procedures described in the next section.

It is our opinion that the calc silicate is acting as a retaining wall and that a smooth planar failure feature has not developed. Curragh is cautioned that the existence, location and orientation of a potential shear zone along the calc silicate contact must be determined.

A critical movement rate cannot be given. Rather, it is recommended that a program be developed to improve general stability, reduce destabilization forces, incorporate a procedure to catch occasional ravel and to reduce further movement and ravelling.

Recommended Program

1. Install six vacuum assist horizontal drains. There is still considerable seepage issuing from the wall so water pressures are still influencing the movement. In addition, mining is proposed to go considerably deeper. This will increase stresses in the slope. Maximum drainage effort is therefore strongly recommended.

   The drains should be installed from the safest location available at the toe into the calc silicate. Some form of shield or wire mesh frame to protect from ravel may be required for the drill. Drains are to be fanned from one location with the first two drains to be perpendicular to this slope +7 1/2°and -7 1/2°. Other drains should be fanned 15° apart.

   The drains are to be 200 feet long, at a 3%+ gradient. Standard P.V.C. 1 1/2 inch diameter drain pipe is to be inserted in each hole. The inner 170 feet to be perforated with 0.02 inch slots, the outer 30 feet unperforated.

The drains are to be set up for vacuum drainage with a single vacuum manifold. Vacuum is to be applied for two weeks. Water flows are to be monitored twice daily.

Geology is to be mapped by evaluating the drill cuttings. Shear zones are to be noted. After the vacuum is discontinued, the drains are to be allowed to flow by gravity. Take off the vacuum manifold. The drains must be kept from freezing during the winter and glacial buildup must be controlled.

2. Extend the lower water interception pipe another 200 feet south to limit seepage above the south end of the south slump.

3. Clean up the talus below the north slump and construct on 6 foot high catch berm with 1 1/2:1 side slopes at the toe of the slope to catch any ravel from above.

4. Develop an 8 foot high catch berm with 1 1/2:1 side slopes below the south slump toe to catch ravelling rock. Clean out if and when required with a long boom backhoe.

5. Modify the blasting program to limit seismic acceleration forces. Typical recommendations are:
   - Reduce line hole spacing to 8 feet. Use sonotubes to better disperse explosives. Detonate this line last. Do not dig beyond this line.
   - Use three buffer lines spaced 12 feet apart with lower powder amounts.
   - Delay <u>every</u> production hole using 50 m/sec delays.

- Detonate rows perpendicular to the wall - maximum 50 holes per blast. This may mean multi blasts per day. If movement stops or cold, below freezing weather develops, the total number of holes per blast to be reviewed.

6. Continue to monitor movement. Add monitors at lower levels as the mine deepens. Continue to provide movement data to Al Stewart of Piteau Associates for evaluation. Use the same surveyor and instrument if possible. Watch for any unusual sign of bulging, crushing or spalling in the toe.

7. Take advantage of cold winter weather and the likely increased stability and reduced ravelling, due to reduced winter seepage. Plan for all mining to be completed by about April 1, 1992 to not extend into the spring melt period.

   Experience in the past is that movements reduce or stop during winter periods.

Garret Vos advised a conservative mine plan has developed which would remove 58 percent of the original ore removal program. This would use a 100 foot wide berm. It is considered that this can be reduced, particularly in the north half. The mine plan should be reviewed as each bench is developed.

It is recommended that the stability data be documented to maintain program continuity.

My involvement on the project has been as a Review Consultant. I wish to state that the work of A. Stewart is reasonable and I recommend you continue with his services.

If you have any questions please contact me.

Yours truly,

C.O. Brawner, P.Eng.

COB:cg

Enclosures

cc: Mr. A. Stewart,
Piteau Associates

c:curragh.rpt

FIG. 1 - RELATIVE MOVEMENT VS TIME - PRISM

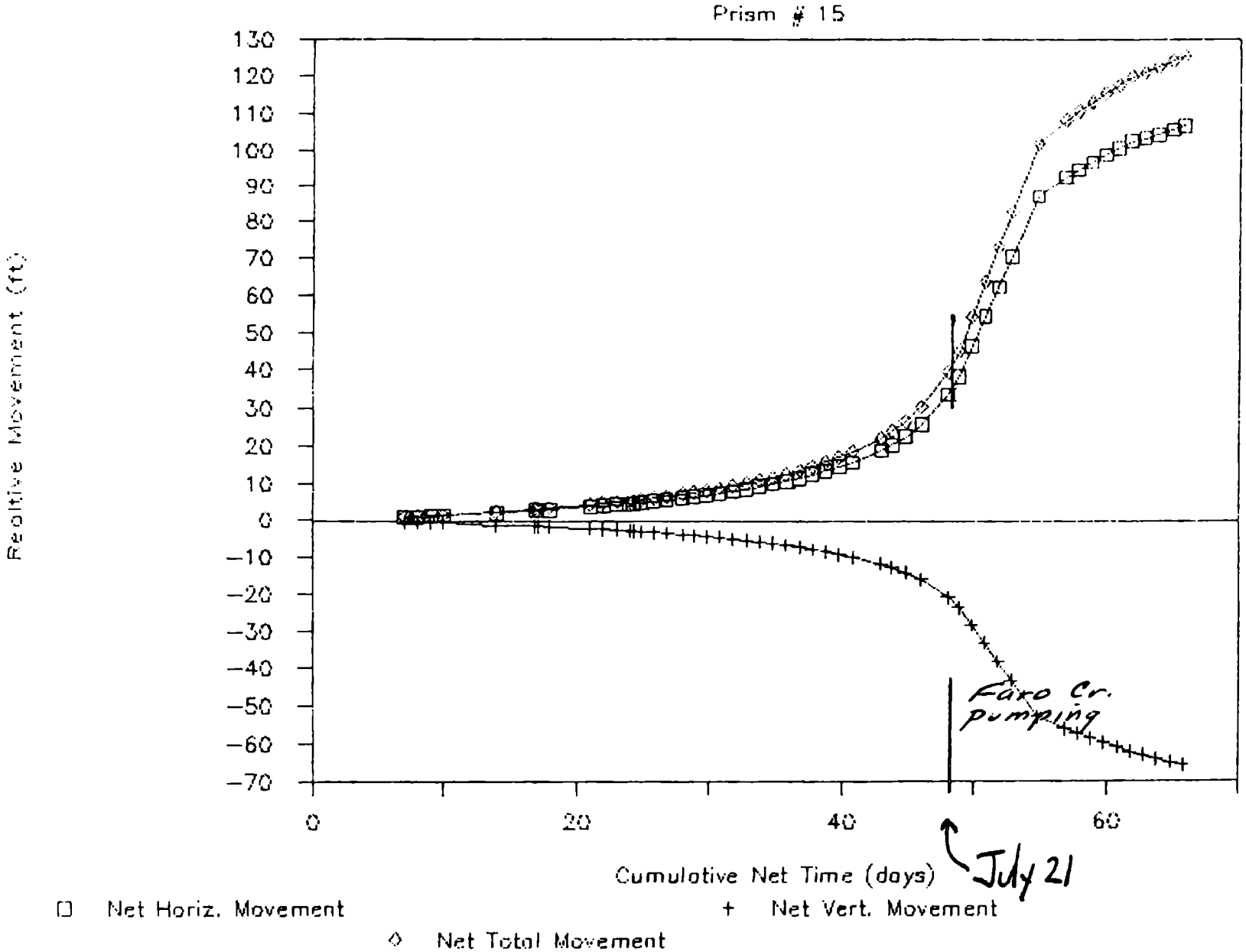
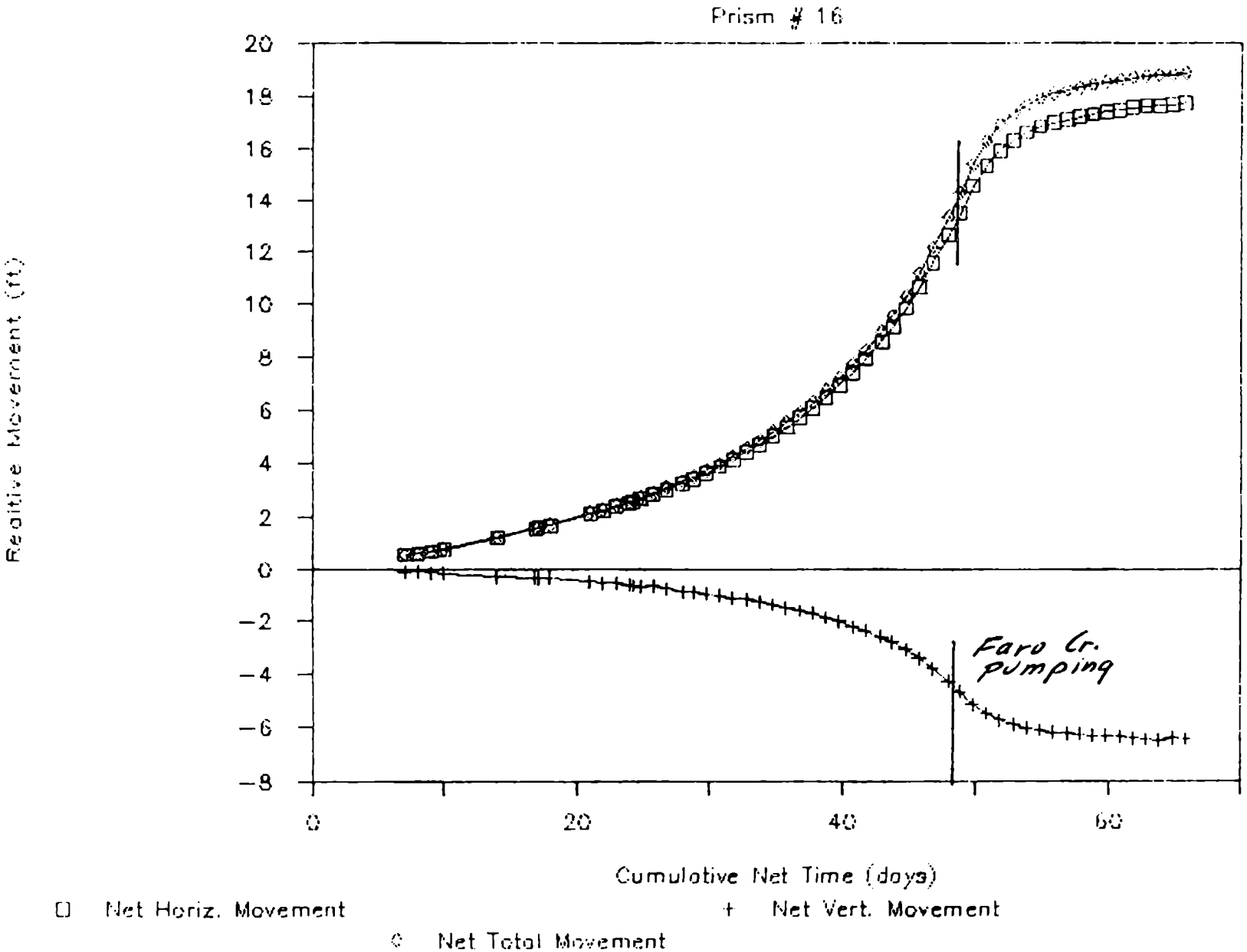


FIG. 2 - RELATIVE MOVEMENT VS TIME -- PRISM



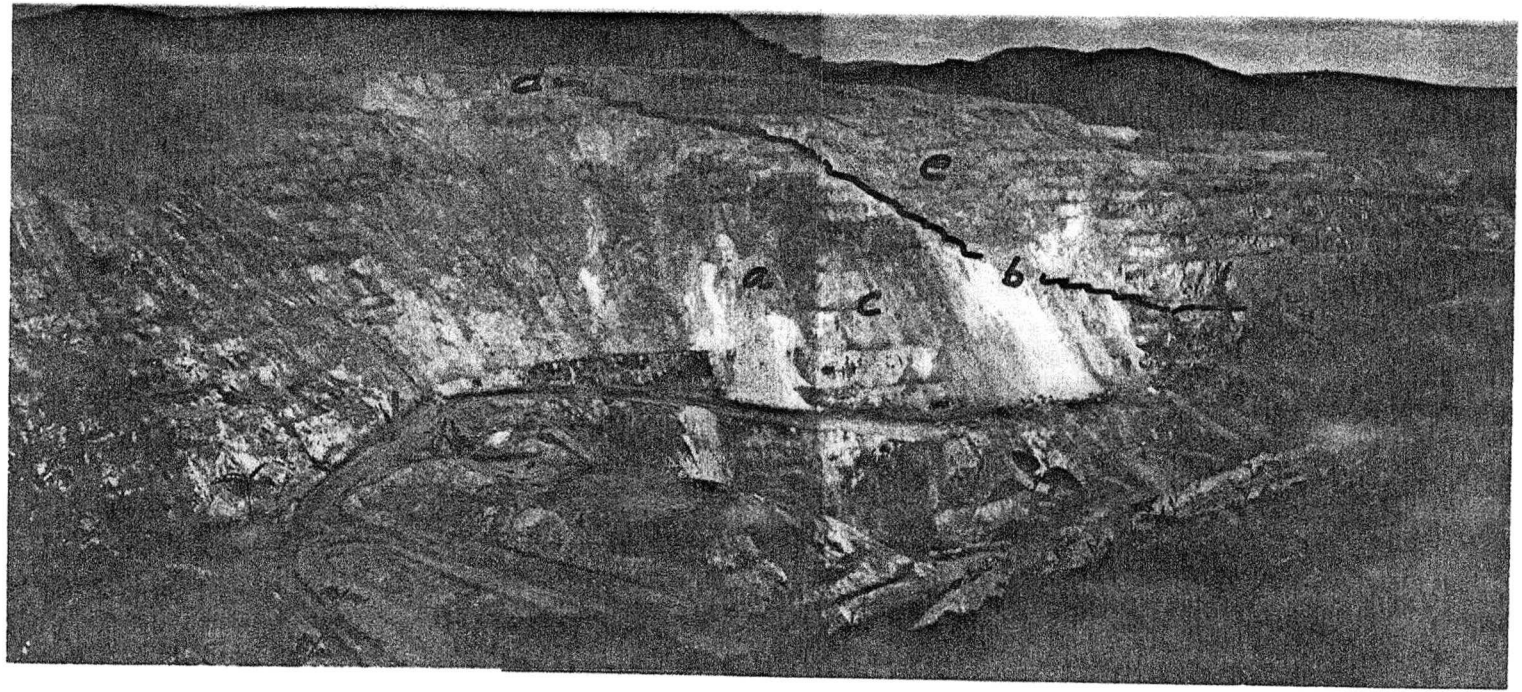


PHOTO 1: East wall of pit. The north slump and talus area (a), south slump and talus area (b) and calc silicate rock zone (c). Note negligible talus below zone c. The Big Indian Fault is behind the major talus zone (d). Upper broken moving zone behind the fault (e).

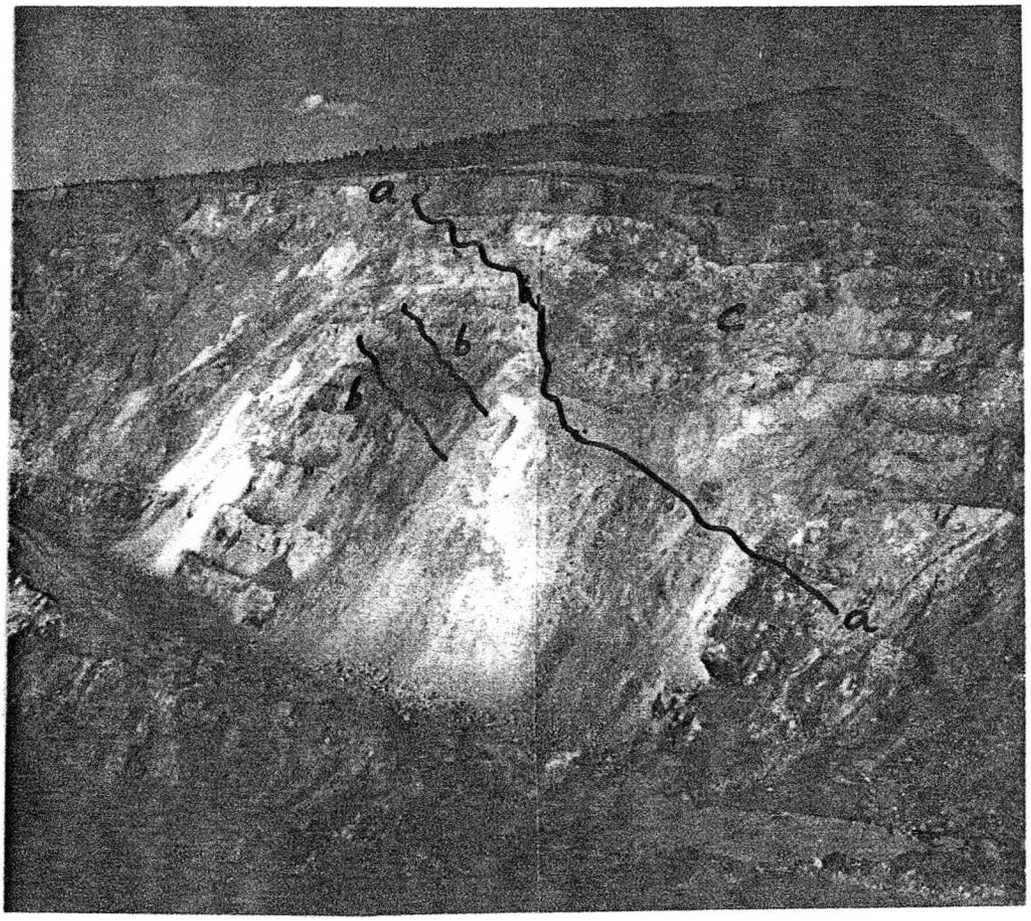


PHOTO 2: Angled view of the east slope from the south end of the pit. Note the Big Indian Fault (a) and secondary shears which dip about 70° into the pit (b) and the upper slump area (c). Note the previously blasted area on the bench (d). Greater movement has taken place in the south slump area.

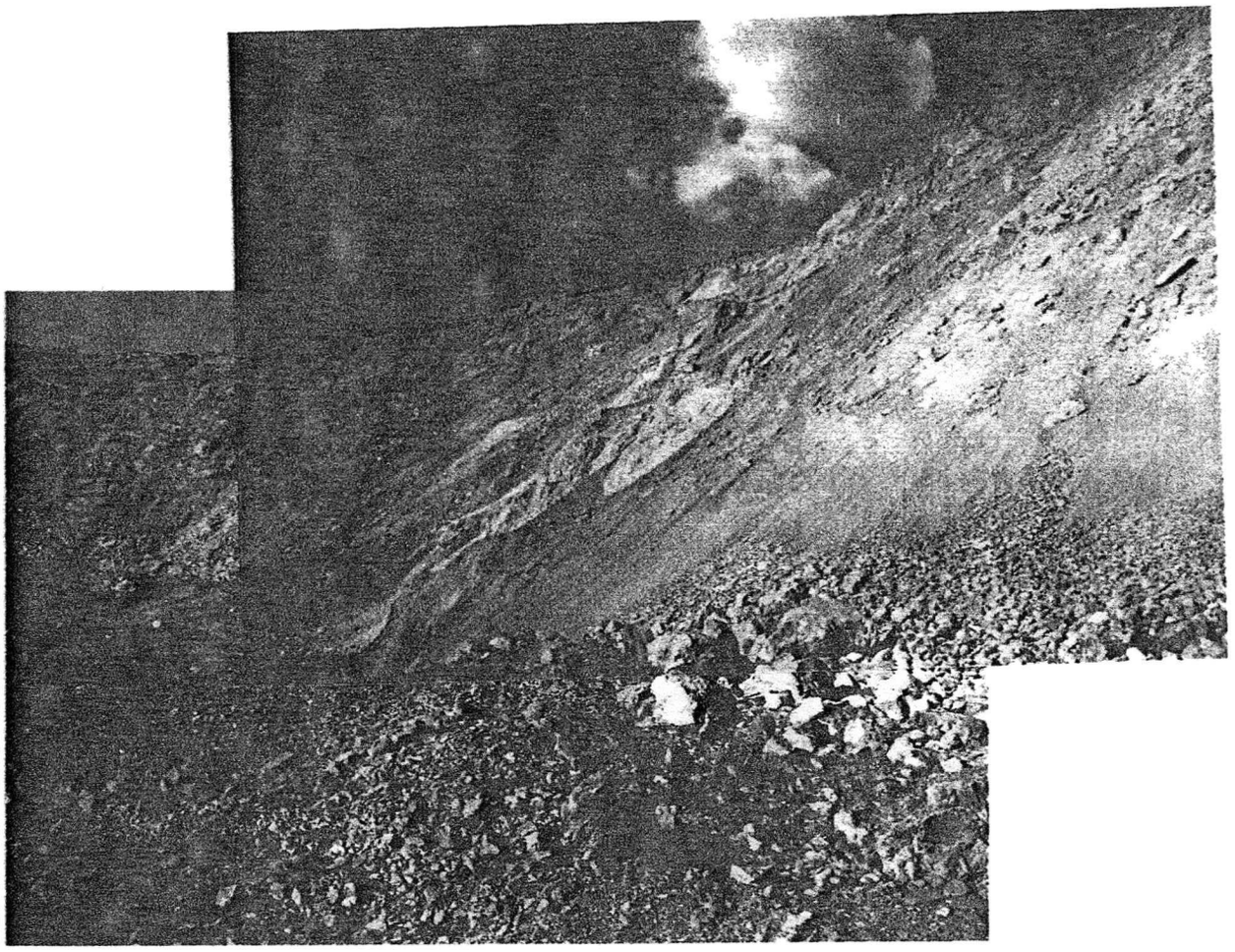


PHOTO 3: Lower area of the south slump. To protect against ravel, push up an 8 foot high pile with 1 1/2:1 side slopes along the toe of the talus. Mining excavation can then commence outside the berm.

PHOTO 4: Note the numerous wet areas indicating extensive seepage (a).

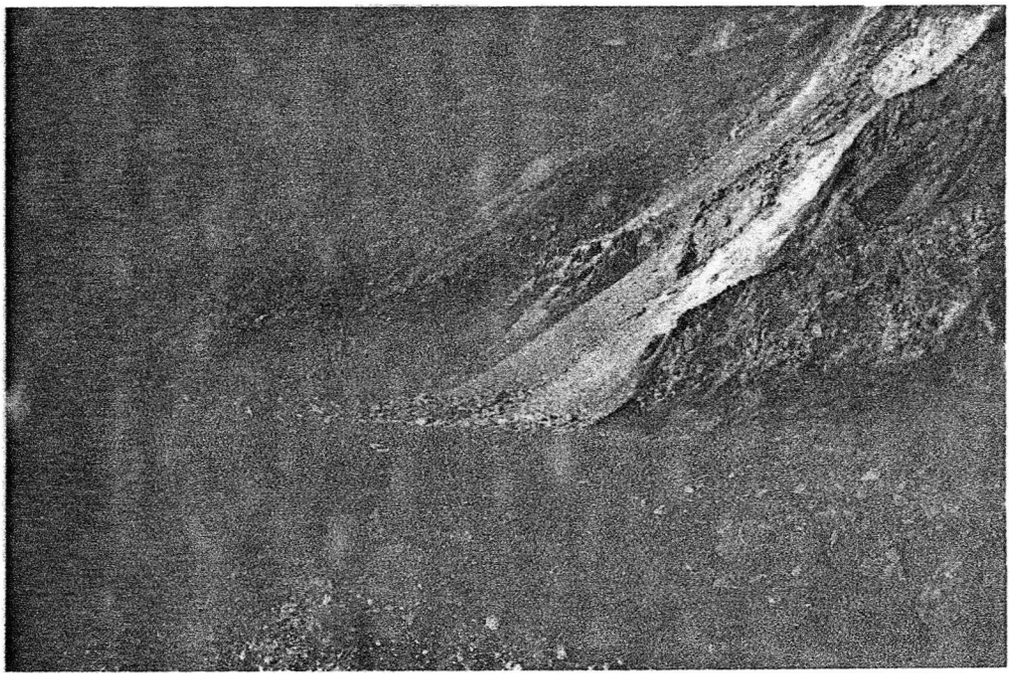


PHOTO 5: Note the zone below the calc silicate with no ravelled boulders.
Six fanned horizontal drains to be installed into the slope on plus 3% grade.

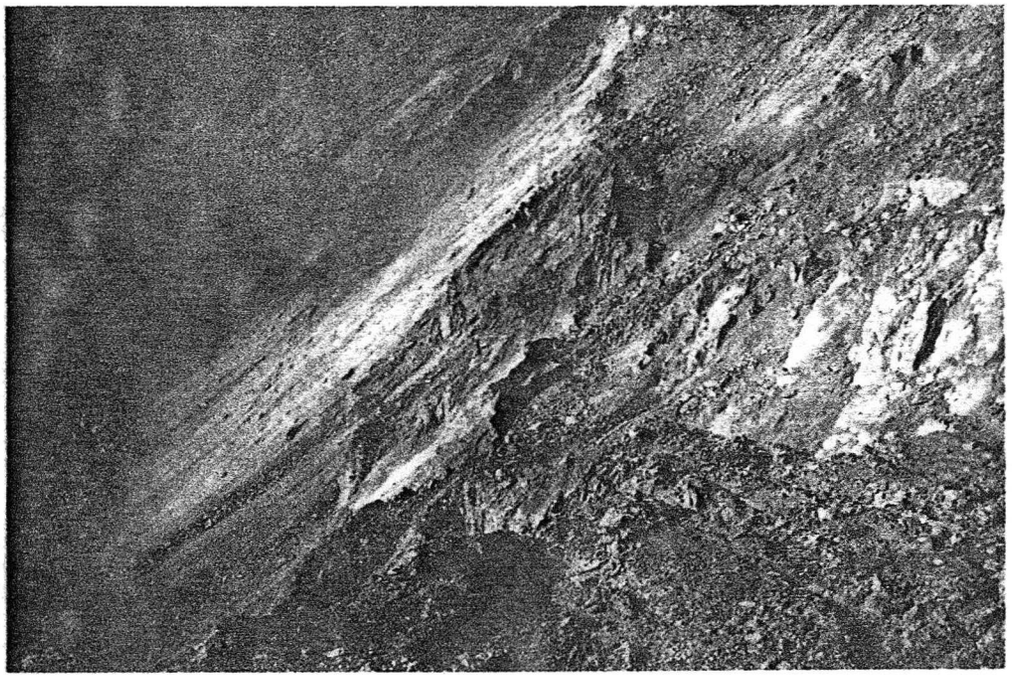


PHOTO 6: Side view of the lower east slope. Note the protruding blocks which have obviously moved in a toppling mode (a).

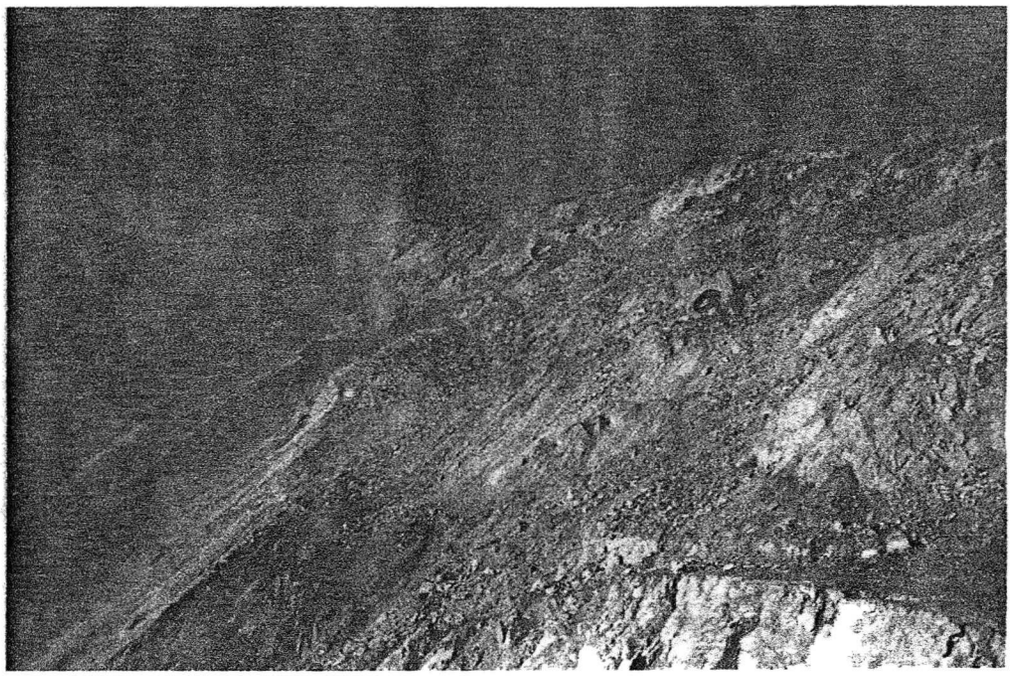


PHOTO 7: Side view of the upper slope. Note the protruding blocks which are evidence of toppling (a).

Resources Inc.

Faro, Yukon
Y0B 1K0

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TELECOPIER COVER LETTER

TO:

Greg Jilks, J.P. Explo

White.

TELECOPIER NO. _____

FROM:

NAME: E.

CURRAGH RESOURCES INC., Box 1000, Faro, Yukon, Y0B 1K0

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Cheers

-C

Atmospheric Environment Service / Service de l'environnement atmosphérique

CLIMATOLOGICAL STATION REPORT

STATION: FARO MINESITE

PROVINCE: YUKON

Time of observation: 0800 a.m. 4:00 p.m.

T
P

Observer: STAFF / SECURITY

MONTH: APRIL 19[illegible]

Day of Month (1)	Time of Observation (2)	Temperature (°C) Maximum Observed (3)	Maximum For Day (4)	Minimum Observed (5)	Minimum For Day (6)	After Reset (7)	Precipitation Rain Measured mm (8)	Rain For Day mm (9)	Snow Measured cm (10)	Snow For Day cm (11)	Total For Day mm (12)	Times of Precipitation (Calendar Day) Began (13)	Ended (14)	Depth of Snow on Ground whole cm (15)	Weather (Calendar Day) Thunderstorm (16)	Freezing Rain (17)	Hail (18)	Remarks (19)
1	a.m.																	SCAT. CLOUDS
	p.m.	-7.0							0.2					71				
2	a.m.	-8.0							0					70				SCATT. CLOUDS
	p.m.	-1.5		-5.5					0									CLEAR – 40% CLOUD
3	a.m.	-1.0							0					74				CLEAR – 10% CLOUD
	p.m.	+0.5		-2.0		0.0			0					71				CLEAR
4	a.m.	+0.5		-10.0		-1.5			0					70				CLEAR
	p.m.																	
5	a.m.																	
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6	a.m.																	
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15	a.m.																	
	p.m.																	
16	a.m.	-2.0		-13.5		+6.0												SUNNY
	p.m.	+8.0		-1.5		+4.[illegible]												
17	a.m.	+8.0		-1.5		-6.0												OVERCAST
	p.m.																	
18	a.m.	+9.0		0		+5.5												"
	p.m.																	
19	a.m.	+8.0		+1.0		-3.0												CLOUDY
	p.m.																	
20	a.m.	+7.0		-3.5		+5.0												
	p.m.	+11.5		+5.0		+9.0												
21	a.m.	+10.5		-0.5		+4.5												CLOUDY
	p.m.	+9.0		+2.0		+8.0												
22	a.m.	+9.0		-2.0		+4.0												
	p.m.																	
23	a.m.	-4.3		-4.5		+5.0												
	p.m.	+8.0		+3.0		+8.0												
24	a.m.	+9.0		-3.0		+4.0												
	p.m.	+12.0		+4.0		+11.0												
25	a.m.	+12.0		-4.5		+9.5												CLEAR – SUNNY
	p.m.	+12.0		+9.0		+10.5												OVERCAST
26	a.m.	+12.0		-1.5		+6.5												SCAT. CLOUDY
	p.m.	+14.5		+8.0		+9.5												CLEAR – 20% CLOUDS
27	a.m.																	
	p.m.	10.0		-1.5		+6.0												
28	a.m.	+5.0		-3.0		+5.0												CLEAR
	p.m.	+7.0		+5.0		+7.0												
29	a.m.	+7.0		-1.5		+3.0												CLEAR
	p.m.																	
30	a.m.	+9.0		+3.0		+6.0												OVERCAST.
	p.m.	+10.5				+10.0												
31	a.m.																	
	p.m.																	
T	a.m.	+7.5										Total no. of days with						
SUMS																		
MEANS																		

TEMPERATURE EXTREMES

Maximum: +14.5 Date: 26th

Minimum: -10.0 Date: 4th

TEMPERATURE

Mean Max. ....

Mean Min. ....

Mean ....

STATION KEno MINE SITE

Time of observation 8:30 a.m. 4:30 p.m.

PROVINCE YUKON

Observer STAFF / SECURITY

MONTH MAY 19

DAY OF MONTH	TIME OF OBSERVATION	TEMPERATURE °C Maximum Observed	TEMPERATURE °C Maximum For Day	TEMPERATURE °C Minimum Observed	TEMPERATURE °C Minimum For Day	TEMPERATURE °C Minimum AFTER RESET	PRECIPITATION Rain Measured mm	PRECIPITATION Rain For Day mm	PRECIPITATION Snow Measured cm	PRECIPITATION Snow For Day cm	PRECIPITATION Total For Day mm	TIMES OF PRECIPITATION (Calendar Day) Began	TIMES OF PRECIPITATION (Calendar Day) Ended	Depth of Snow on Ground (whole cm)	Weather (Calendar Day) Thunderstorm	Weather (Calendar Day) Freezing Rain	Weather (Calendar Day) Hail	REMARKS
1	a.m.			+1.0		+2.5												CLOUDY
	p.m.	+12.5		+3.0		+1.5												
2	a.m.	+6.0		-5.0		+6.0												
	p.m.																	
3	a.m.	+11.0		+2.0		+9.5												
	p.m.	+15.0		+8.0		+14.5												
4	a.m.																	CLEAR
	p.m.	+15.5		+2.0		+11.0												
5	a.m.	+17.0		+1.0		+13.5												CLEAR
	p.m.																	
6	a.m.	+16.0		-2.5		+6.6												CLOUDY
	p.m.																	
7	a.m.	+10.5		-1.5		+3.5												CLOUDY
	p.m.																	
8	a.m.																	
	p.m.																	
9	a.m.																	
	p.m.																	
10	a.m.																	
	p.m.																	
11	a.m.	+14.0		+1.0		+1.2												LT. SNOW
	p.m.																	
12	a.m.																	
	p.m.																	
13	a.m.																	
	p.m.																	
14	a.m.																	
	p.m.																	
15	a.m.																	
	p.m.	+14.0		-4.0		+12.0												CLOUDY
16	a.m.	+13.5		0.0		+11.0												
	p.m.																	
17	a.m.																	
	p.m.																	
18	a.m.																	
	p.m.																	
19	a.m.																	
	p.m.	+11.0		+0.5		+3.5												OVERCAST
20	a.m.																	
	p.m.																	
21	a.m.																	
	p.m.	+10.5		-0.5		+10.0												SCATT. CLOUDS + SUNNY
22	a.m.	+12.0		-2.5		+6.0												CLEAR
	p.m.																	
23	a.m.	+13.0		+2.0		+8.5												SCATT. CLOUDS + SUNNY
	p.m.	+14.0		+9.0		+11.0												OVERCAST → LT. RAIN
24	a.m.	+13.0		+7.0		+9.0												CLOUDY w 40%
	p.m.																	
25	a.m.																	
	p.m.																	
26	a.m.																	
	p.m.																	
27	a.m.																	
	p.m.	+16.0		-0.5		+14.0												CLOUDS < 30% CLOUD
28	a.m.	+15.5		+4.0		+8.5												OVERCAST
	p.m.	+17.0		+8.0		+16.0												CLOUDY < 80%
29	a.m.	+13.0		+5.0		+12.5												CLOUDS + SUNNY
	p.m.	+13.5		+12.0		+13.0												CLOUDY < 30%
30	a.m.	+18.0		+3.0		+10.5												OVERCAST
	p.m.	+12.0		+9.0		+10.5												
31	a.m.																	
	p.m.																	
1	a.m.																	
SUMS												Total no. of days with						
MEANS																		

TEMPERATURE EXTREMES

Maximum +18.0 Date 30th Mean Max.....

Minimum -6.0 Date 2nd Mean Min.....

TEMPERATURE Mean.....

Pêches et Environnement Canada / Fisheries and Environment Canada

Environnement atmosphérique / Atmospheric Environment

RAPPORT DE STATION CLIMATOLOGIQUE

STATION _____

Heure de l'observation 9 a.m. 5 p.m.

PROVINCE _____

Observateur: _____

MOIS _____

JOUR DU MOIS	HEURE DE L'OBSERVATION	TEMPÉRATURE					PRÉCIPITATIONS					DURÉE DE LA PRÉCIPITATION (jour actuel)		ÉPAISSEUR DE NEIGE AU SOL	TEMPS (jour actuel)			REMARQUES
		Maximum		Minimum			Pluie		Neige									
		Observée	Du jour	Observée	Du jour	APRÈS REMISE EN ÉTAT	Mesurée mm	Du jour mm	Mesurée cm	Du jour cm	Total de jour mm	Début	Fin	centimètres	Orage	Pluie ou averse	Grêle	
1	a.m.			+4.0		+2.0												OVER CAST
	p.m.																	
2	a.m.	+3		+1.5		4.75												CLOUDY
	p.m.	+11.5		+3.0		11.0												MOSTLY CLOUDY
3	a.m.	+13.5		+5.5		9.5												OVERCAST
	p.m.	+13.0		+9.0		9.0												
4	a.m.	+12.5		+1.5		11.5												CLOUDY & MILD
	p.m.	+12.5		+1.5		15.0												
5	a.m.	+12.6		+2.0		9.0												CLEAR/SUNNY
	p.m.																	
6	a.m.	+19.0		+2.5		9.5												SCAT CLOUDS
	p.m.	+14.5		+2.5		14.0												
7	a.m.	+7.5		+2.0		+9.5												OVER CAST
	p.m.	+7.5		+4.5		9.5												
8	a.m.	+7.5		+2.0		7.0												OVERCAST
	p.m.	+7.5		+0.5		5.5												
9	a.m.																	CLOUDY SUNNY
	p.m.																	
10	a.m.	+13.0		+4.0		7.5												CLOUDY & DRY
	p.m.	+10.0		+3.0		9.5												
11	a.m.	+10.5		+0.5		4.0												CLOUDY & MILD
	p.m.	+13.0		+3.0		10.5												
12	a.m.	+15.5		+0.5		14.5												SCAT CLOUDS
	p.m.	+17.0		+4.0		14.0												
13	a.m.	+15.0		+1.0		10.5												CLEAR SUNNY
	p.m.																	
14	a.m.	+18.5		+2.0		13.5												CLEAR/SUNNY
	p.m.	+19.0		+13.5		15.5												SCAT CLOUDS
15	a.m.	+19.0		+3.5		13.0												CLOUDY
	p.m.	+15.5		+9.0		13.0												
16	a.m.	+19.5		+3.0		13.5												CLOUDY
	p.m.	+18.5		+12.0		13.5												PARTLY CLOUDY
17	a.m.	+21.5		+5.0		13.5												PARTLY CLOUDY
	p.m.	+21.5		+13.5		14.8												CLOUDY & MILD
18	a.m.	+21.5		+7.5		21.0												CLEAR/SUNNY
	p.m.	+22		+14.5		21.0												
19	a.m.					STATION												
	p.m.	+23.5		+17.0		+20.5												
20	a.m.																	
	p.m.																	
21	a.m.	+22.5		+7.0		+14.5												SCAT CLOUDS
	p.m.	+20.5		+11.0		+16.0												CLEAR & SUNNY
22	a.m.	+20.5		+9.5		19.5												
	p.m.	+22.0		+12.0		14.5												
23	a.m.	21.0		+5.0		20.0												
	p.m.	21.5		+15.0		18.5												
24	a.m.	19.5		+4.0		12.0												CLEAR/SUNNY
	p.m.	21.0		+3.5		19.5												SCAT CLOUDS
25	a.m.																	
	p.m.																	
26	a.m.	23.0		+7.0		17.5												CLEAR
	p.m.	23.5		13.0		22.6												CLEAR W = 26½ cu
27	a.m.	21.5		+9.0		19.5												CLOUDY & DRY
	p.m.	22.5		16.0		20.5												
28	a.m.	22.5		7.5		13.5	3.6											SUNNY &
	p.m.	21		13.6		16.5	18.25											SCAT CLOUDS
29	a.m.																	
	p.m.																	
30	a.m.	20.0		7.2		14.5	6.6											OVERCAST
	p.m.	20.5		14.6		20.0												
31	a.m.																	
	p.m.																	
	a.m.																	

Nbre total de jour avec

SOMMES

TEMPÉRATURES EXTRÊMES

Maximum

Time of observation 0 a.m. 1 p.m. P PROVINCE YUKON

Observer STAFF / STUDENT MONTH July 19

DAY OF MONTH	TIME OF OBSERVATION	TEMPERATURE (°C) Maximum: Observed	Maximum: For Day	Minimum: Observed	Minimum: For Day	Minimum: AFTER RESET	PRECIPITATION Rain: Measured (mm)	Rain: For Day (mm)	Snow: Measured (cm)	Snow: For Day (cm)	Total For Day (mm)	TIMES OF PRECIPITATION (Calendar Day): Began	Ended	Depth of Snow on Ground (whole cm)	Weather (Calendar Day): Thunderstorm	Freezing Rain	Hail	REMARKS
1	a.m.	M		10.0		12.0												CLOUDY
	p.m.	19.5		12.5		11.0												PATCHY CLOUDS & SUN
2	a.m.	13.5		7.0		13.5	6.4											PATCHY CLOUDS
	p.m.	21.0		12.0		10.5	1.0											
3	a.m.	19.0		6.0		11.5	2.8											CLOUDY ≈ 80% SUNNY
	p.m.	20.5		12.5		11.0	0.2											
4	a.m.	13.5		6.5		13.5	0.2											FEW CLOUDS
	p.m.	16.5		14.5		4.0	0.2											
6	a.m.	13.5		8.5		8.5	4.5											CLOUDY
	p.m.	—		—		—	—											
6	a.m.	16.5		6.5		10.5	1.1											CLOUDY
	p.m.	17.0		11.0		12.0	0.6											
7	a.m.	18		7.2		11.5	0.1											PATCHY CLOUDS & 95% SUNNY
	p.m.	21.5		6.5		11.5	0											
8	a.m.	21.5		9.5		4.5	2.5											CLOUDY
	p.m.	11.0		9.5		9.5	0.1											OVERCAST
9	a.m.	11.0		6.5		8.0	0											SCAT. CLOUDS SUNNY, OVERCAST
	p.m.	19.5		8.0		11.5	0											
10	a.m.	13.0		6.0		8.0	4.0											OVERCAST
	p.m.	12.0		7.0		11.5	0											
11	a.m.	17.5		7.0		10.5	1.0											CLEAR
	p.m.	14.0		14.0		13.5	1.0											OVERCAST
12	a.m.	15.5		9.0		10.5	0.4											CLEAR
	p.m.	16.0		11.0		11.5	0.2											PATCHY CLOUDS
13	a.m.	—		—		—	—											OVERCAST
	p.m.	16.0		7.0		14.5												
14	a.m.	16.0		7.0		11.5												PARTLY CLOUDY
	p.m.	18.5		10.0		13.0												
15	a.m.	15.5		11.0		10.5	0.8											MOSTLY CLOUDY
	p.m.	17.0		10.0		13.0	2.8											
16	a.m.	15.5		4.5		14.5	0.2											OVERCAST - LITE RAIN
	p.m.	19.0		17.0		17.0	0.9											"
17	a.m.	19.0		6.0		7.5	1.2											CLEAR
	p.m.	17.0		7.0		13.0	0											CLOUDY
18	a.m.	15.0		7.5		9.0	0.2											OVERCAST - DRIZZLE
	p.m.	15.0		8.0		12.5	0											CLOUDY ≈ 95%
19	a.m.	13.5		5.5		7.5	11.0											OVERCAST
	p.m.	12.0		8.5		9.0	1.0											
20	a.m.	10.5		7.0		8.0	4.5											SUNNY
	p.m.	15.0		8.0		12.5	1.0											
21	a.m.	15.5		9.5		11.5	2.0											
	p.m.	16.5		11.5		13.5												
22	a.m.	12.5		4.5		13.5	6.2											SUNNY
	p.m.	18.0		13.0		12.5	0											
23	a.m.	17.0		6.5		10.5	0											CLEAR
	p.m.	22.0		10.5		21.0	0											
24	a.m.	23.0		12.0		14.0	0											SCATTERED CLOUDS
	p.m.	17.5		14.0		13.0	0											
25	a.m.	19.0		7.5		10.0	0											
	p.m.	—																
26	a.m.	—																
	p.m.	—																
27	a.m.	—																OVERCAST & RAIN
	p.m.	17.0		8.5		10.5	13.0											
28	a.m.	11.5		7.0		9.0	12.2											OVERCAST & RAIN
	p.m.	15.0		8.0		14.0	0											OVERCAST
29	a.m.	15.0		5.5		10.5	1.0											
	p.m.																	
30	a.m.	17.5		5.0		9.5	0											OVERCAST
	p.m.	13.0		9.0		13.0	0											
31	a.m.	13.0		5.5		6.5	1.0											
	p.m.	17.5		6.5		12.5	0.1											
1	a.m.	15.0					0											

Total no. of days with

SUMS

MEANS

TEMPERATURE EXTREMES

Maximum ..... Date ..... Mean Max .....

Minimum ..... Date ..... Mean .....

TEMPERATURE

Mean Max .....

Environment Canada / Environnement Canada
Atmospheric Environment Service / Service de l'environnement atmosphérique

CLIMATOLOGICAL STATION REPORT

Time of observation 8:00 a.m. 4:00 p.m.

T ☐
P ☐

STATION

PROVINCE

Observer

MONTH August

Day of month	Time of observation	Temperature (°C) Maximum Observed	Maximum For Day	Minimum Observed	Minimum For Day	After Reset	Precipitation Rain Measured mm	Rain For Day mm	Snow Measured cm	Snow For Day cm	Total For Day mm	Time of Precipitation (Calendar Day) Began	Ended	Depth of Snow on Ground (whole cm)	Thunderstorm	Freezing Rain	Hail	Remarks
1	a.m.			6.5		7.5												OVERCAST
	p.m.	11		8.5		11	0.2											OVERCAST [illegible]
2	a.m.	13		7.0		9.5	0.2											CLOUDY
	p.m.	16.5		9.5		15.5	0											
3	a.m.	11.5		3.5		9.5	1.0											OVERCAST - LT. RAIN
	p.m.	14		9.0		9.0	[illegible]											CLOUDS - Rain
4	a.m.	13.5		4.0		7.5	14											OVERCAST
	p.m.																	
5	a.m.	11.[illegible]		1.5		7.5	0.2											CLOUDY ≈ 70%
	p.m.	11.5		2.5		11.0	0											
6	a.m.	18.5		5.0		6.0	0											OVERCAST
	p.m.																	
7	a.m.	14.5		1.5		8.5	0											CLEAR
	p.m.	17.5		8.5		17.0	0											
8	a.m.	1[illegible]		5.0		7.5	0											[illegible]
	p.m.	20.5		9.5		18.5	0											[illegible] SKY
9	a.m.																	OVERCAST
	p.m.	19.0		1[illegible].0		15.5	12											
10	a.m.																	
	p.m.																	
11	a.m.																	
	p.m.																	
12	a.m.																	
	p.m.	+16.5		[illegible].0		18.0	[illegible]											OVERCAST
13	a.m.	+13.5		+2.5		1[illegible].5	[illegible]											OVERCAST
	p.m.	19.5		11.5		19.[illegible]	[illegible]											CLOUDY ≈ 90%
14	a.m.	22.0		12.5		14.5	[illegible]											CLEAR
	p.m.	21.0		1[illegible]		19.0	[illegible]											[illegible] 80%
15	a.m.	[illegible].5		[illegible]		1[illegible]	0.2											[illegible] OVERCAST [illegible]
	p.m.	[illegible]		14.5		14.5	[illegible]											OVERCAST [illegible] LT. RAIN
16	a.m.	[illegible]		[illegible]		[illegible]	1.5											OVERCAST.
	p.m.	20.0		[illegible].0		+19.0	[illegible]											"
17	a.m.	+21.0		+10.0		+15.5												cloudy
	p.m.	+22.0		+19.5		+21.0												cloudy
18	a.m.	+22.0		+8.5		+10.0												
	p.m.	+14.0		+9.0		+11.0												
19	a.m.	14.0		[illegible]		12.0												
	p.m.	15.0		8.0		[illegible].0												
20	a.m.	12.5		3.5		6.0	0.[illegible]											OVERCAST → LT RAIN
	p.m.	[illegible]		3.0		9.0	[illegible]											" [illegible] HAIL
21	a.m.	11.0		2.0		9.0	0.1											[illegible] CLOUDY
	p.m.	[illegible]		[illegible].0	[illegible]	[illegible]	[illegible]	0.[illegible]										CLOUDY ≈ 90%
22	a.m.	14.0		2.0		14.0	0											CLEAR
	p.m.	12.0		[illegible].0		9.0	0.2											CLOUDY.
23	a.m.	15.5		2.0		6.5	[illegible]											CLEAR
	p.m.	11.5		[illegible]		4.[illegible]												CLOUDY ≈ 90%
24	a.m.	+11.5		+3.0		+6.5												Cloudy
	p.m.	[illegible].5		6.[illegible]		8.[illegible]	5.4											
25	a.m.	+8.0		+1.5		+5.0	13.4											OVERCAST [illegible] RAIN
	p.m.	+9.5		+2.[illegible]		+3.0	11.6											OVERCAST ∃ RAIN
26	a.m.	4.0		-2.0		-1.[illegible]	0.1											SNOW & ICE PELLETS
	p.m.	8.5		+0.5		6.5	1.3											OVERCAST & FLURRIES
27	a.m.																	
	p.m.																	
28	a.m.																	
	p.m.																	
29	a.m.																	
	p.m.																	
30	a.m.																	
	p.m.																	
31	a.m.																	
	p.m.																	

Total no. of days with:

TEMPERATURE EXTREMES

Maximum. . . . . Date. . . . .

Minimum. . . . . Date. . . . .

TEMPERATURE

Mean Max. . . . .

Mean Min. . . . .

Mean. . . . .

Fax Mine
Geotech
N'Wall

TIME		Temperatures					R.H.		Precip.		Wind						
									Total	Snow	Mean	Pre.	Max. Wnd.		Max. Gust		
Mth	DD	Max.	Min.	Mean	HDD	CDD	Max	Min	Pcpn.	Dep.	Spd.	Dir.	Spd.	Dir.	Gust	Spd.	Dir.	Hour
8	1	16.0	9.0	12.5	5.5	7.5	81.6	51.2	'Ø.Ø	****	4.4	90	8.0	190	0.0	***	***	****
8	2	18.0	9.0	13.5	4.5	8.5	87.4	39.4	.8	****	2.1	45	4.0	270	0.0	***	***	****
8	3	18.0	9.0	13.5	4.5	8.5	87.6	63.1	4.8	****	7.4	110	10.0	130	0.0	****	***	****
8	4	15.0	6.0	10.5	7.5	5.5	50.3	43.8	-.1	****	3.8	155	7.0	200	0.0	****	***	****
8	5	15.0	2.0	8.5	9.5	3.5	87.0	44.1	0.0	****	.2	335	2.0	330	0.0	****	***	****
8	6	17.0	3.0	10.0	8.0	5.0	93.2	44.4	-.1	****	1.7	90	4.0	240	0.0	****	***	****
8	7	22.0	3.0	12.5	5.5	7.5	93.2	30.5	0.0	****	2.6	155	5.0	150	0.0	****	***	****
8	8	22.0	6.0	14.0	4.0	9.0	93.3	35.4	1.6	****	4.0	90	10.0	100	0.0	****	***	****
8	9	19.0	6.0	12.5	5.5	7.5	93.6	72.2	0.0	****	2.7	90	5.0	110	0.0	****	***	****
8	10	17.0	12.0	14.5	3.5	9.5	87.6	48.3	0.0	****	1.2	65	3.0	140	0.0	****	***	****
8	11	18.0	10.0	14.0	4.0	9.0	76.7	52.0	0.0	****	.5	315	3.0	316	0.0	****	***	****
8	12	20.0	10.0	15.0	3.0	10.0	87.5	59.5	-.1	****	2.9	110	6.0	160	0.0	****	***	****
8	13	23.0	13.0	18.0	0.0	13.0	87.6	43.7	0.0	****	2.1	90	6.0	140	0.0	****	***	****
8	14	25.0	14.0	19.5	0.0	14.5	59.5	36.0	0.0	****	7.6	270	10.0	270	17.0	17.0	270	1300
8	15	20.0	9.0	14.5	3.5	9.5	87.5	55.9	1.4	****	1.3	65	3.0	60	0.0	****	***	****
8	16	23.0	8.0	15.5	2.5	10.5	93.5	43.4	0.0	****	1.3	45	4.0	50	0.0	****	***	****
8	17	25.0	10.0	17.5	.5	12.5	93.5	41.2	0.0	****	4.9	110	8.0	120	0.0	****	***	****
8	18	17.0	11.0	14.0	4.0	9.0	71.2	41.4	-.1	****	8.0	270	10.0	270	22.0	22.0	270	1300
8	19	16.0	5.0	10.5	7.5	5.5	87.1	47.7	-.1	****	3.3	270	10.0	270	0.0	****	***	****
8	20	15.0	6.0	10.5	7.5	5.5	93.4	50.9	.8	****	1.0	270	6.0	270	0.0	****	***	****
8	21	16.5	4.0	10.0	8.0	5.0	100.	58.2	.6	****	2.1	315	5.0	320	0.0	****	***	****
8	22	16.0	4.0	10.0	8.0	5.0	93.2	38.8	0.0	****	6.1	270	12.0	280	0.0	22.0	40	1500
8	23	15.0	7.0	11.0	7.0	6.0	70.8	44.1	.4	****	12.7	270	16.0	260	27.0	28.0	260	1500
8	24	13.0	7.0	10.0	8.0	5.0	81.5	62.2	9.0	****	6.0	315	10.0	270	18.0	18.0	270	1400
8	25	5.0	4.0	4.5	13.5	0.0	100.	93.2	13.0	****	3.5	315	4.0	320	0.0	****	***	****
8	26	5.0	0.0	2.5	15.5	0.0	100.	93.1	3.8	****	5.6	110	8.0	90	0.0	****	***	****
8	27	5.0	2.0	3.5	14.5	0.0	100.	80.6	2.2	****	8.2	110	10.0	120	16.0	16.0	120	1000
8	28	3277.	1.0	3277.	****	****	86.6	50.7	3277.	****	3.0	90	5.0	90	0.0	****	***	****

USE Aux. DATA WITH CAUTION.

NOTE -.1 in Pcpn is a TRACE.

Donald C Watt

Environment Canada / Environnement Canada

Donald C. Watt

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403 668-2291 Fax 403 668-3591

Canada

08/28/91 15:10 ☎403 668 3581 YUKON WX CENTRE 002

Atmospheric Environment / Environnement atmosphérique

MELKIC

CLIMATOLOGICAL STATION REPORT

FARO A

STAT. _____

Time of observation 1500Z a.m. 2300Z p.m. T ☐ P ☐ PROVINCE _____

Observer Krompinski/MURRAY MONTH July 19

DAY OF MONTH	TIME OF OBSERVATION	TEMPERATURE (°C) Maximum: Observed	Maximum: For Day	Minimum: Observed	Minimum: For Day	Minimum: AFTER RESET	PRECIPITATION Rain: Measured mm	Rain: For Day mm	Snow: Measured cm	Snow: For Day cm	Total For Day mm	TIMES OF PRECIPITATION (Calendar Day): Began	Ended	Depth of Snow on Ground cm	Weather (Calendar Day): Thunderstorm	Freezing Rain	Hail	REMARKS
1	a.m.			12.5		12.5												
	p.m.	20.0	23.0	12.5	12.5	20.0	1.0	1.0			1.0							ST SC TCU AC SCT
2	a.m.	23.0		10.0		11.0												
	p.m.	22.5	23.0	11.0	10.0	22.5		0.8			0.8							SC TCU AC BKN
3	a.m.	23.0		8.0		11.0	0.8											
	p.m.	21.5	22.5	11.0	8.0	21.5												TCU AC - BKN
4	a.m.	22.5		11.5		13.5												
	p.m.	21.5	22.5	13.5	11.5	21.5		1.0			1.0							TCU AC CS SCT
5	a.m.	22.5		11.5		12.0	1.0											
	p.m.	17.0	17.0	11.5	11.5	13.5	9.6	12.6			12.6							ST TCU AC OVC
6	a.m.	15.0		10.5		12.0	3.0											
	p.m.	19.5	20.5	12.0	10.5	17.5												TCU AC SCT
7	a.m.	20.5		11.5		17.0												
	p.m.	21.0	22.0	17.0	11.5	19.0	TR	TR			TR							TCU CS - OVC
8	a.m.	22.0		13.0		13.5	TR											
	p.m.	19.5	19.5	12.5	12.5	12.5	0.4	1.6			1.6							SC OVC
9	a.m.	13.5		9.0		10.0	1.2											
	p.m.	15.0	15.0	10.0	9.0	15.0		2.0			2.0							TCU AC CI OVC
10	a.m.	15.0		7.5		8.5	2.0											
	p.m.	13.5	13.5	8.5	7.5	11.0	0.6	4.0			4.0							SC TCU AC CI OVC
11	a.m.	13.0		7.0		8.0	3.4											
	p.m.	18.5	19.0	8.0	7.0	18.5	0.2	0.4			0.4							TCU BKN
12	a.m.	19.0		12.0		12.0	0.2											
	p.m.	19.5	19.5	13.0	12.0	19.5	TR	4.4			4.4							SC AC BKN
13	a.m.	19.5		9.5		13.0	4.4											
	p.m.	19.5	20.5	13.0	9.5	19.0		1.5			1.5							SC CI BKN
14	a.m.	20.5		10.5		11.5	1.8											
	p.m.	15.5	18.0	11.5	10.5	15.5	0.8	11.4			11.4							SC TCU AC OVC
15	a.m.	18.0		11.5		11.5	10.6											
	p.m.	14.0	16.0	11.5	11.5	14.0	4.0	5.4			5.4							CF SC AC OVC
16	a.m.	16.0		7.5		9.0	1.4											
	p.m.	22.0	22.0	9.0	7.5	21.5		0.4			0.4							CU TCU BKN
17	a.m.	21.5		9.0		9.5	0.4											
	p.m.	16.5	17.5	9.5	9.0	15.5	0.4	1.4			1.4							SC TCU AC BKN
18	a.m.	17.5		10.0		11.5	1.0											
	p.m.	16.5	17.5	11.0	10.0	16.0	TR	10.4			10.4							TCU AC CI OVC
19	a.m.	17.5		7.5		8.5	10.4											
	p.m.	12.0	12.5	8.5	7.5	12.0	1.4	6.0			6.0							CF SC AC OVC
20	a.m.	12.5		9.5		9.5	4.6											
	p.m.	15.0	18.0	9.5	9.5	15.0	0.6	1.4			1.4							ST SC TCU AC CI OVC
21	a.m.	18.0		8.5		14.0	0.8											
	p.m.	18.5	21.5	14.0	8.5	18.5												TCU AC SCT
22	a.m.	21.5		6.0		9.0												
	p.m.	20.5	22.5	9.0	6.0	20.5												CU AC CI OVC
23	a.m.	22.5		8.5		10.0												
	p.m.	25.5	25.5	10.0	8.5	25.5												CU AC CI SCT
24	a.m.	25.5		13.0		14.5												
	p.m.	25.0	25.5	14.5	13.0	25.0												CU TCU AC CS - OVC
25	a.m.	25.5		12.5		14.5												
	p.m.	19.5	21.0	14.5	12.5	19.5	1.0	1.0			1.0							TCU AC CS OVC
26	a.m.	21.0		10.5		11.0												
	p.m.	18.5	18.5	11.0	10.5	16.0	2.2	20.2			20.2							TCU AC CS OVC
27	a.m.	18.5		10.5		11.0	18.0											
	p.m.	12.5	12.5	11.0	10.5	11.0	10.0	23.8			23.8							SF SC AS OVC
28	a.m.	12.0		9.0		10.5	13.8											
	p.m.	15.5	16.0	10.5	9.0	14.0	T	1.2			1.2							ST ST SC SC OVC
29	a.m.	16.0		10.0		11.5	1.2											
	p.m.	19.0	19.0	11.5	10.0	19.0	TR	1.0			1.0							SC SC AC BKN

30	a.m.	19.0		9.0		.5	1.0					
	p.m.	15.5	15.5	11.5	9.0	.0		1.2			1.2	SC AC BKN
31	a.m.	15.5		7.5		9.0	1.2					
	p.m.	15.5	18.0	9.0	7.5	15.5	TR	1.0			1.0	SC BKN
1	a.m.	18.0					1.					Total no. of days with
SUMS			587.5		303.5			115.4			115.4	
MEANS			19.0		9.8							

TEMPERATURE EXTREMES

Maximum. 25.5 Date. 23, 24

Minimum. 6.0 Date. 22

TEMPERATURE

Mean Max. 19.0

Mean Min. 9.8

Mean. 14.4

Mg. Aug 5/91.

METRIC

FARO A

Atmospheric Environment / Environnement atmosphérique

CLIM LOGICAL STATION REPORT

STATIC..

Time of observation 1500Z a.m. 2300Z p.m.

PROVINCE

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P

Observer Kiminicki/McKay

MONTH June 199

DAY OF MONTH (1)	TIME OF OBSERVATION (2)	TEMPERATURE (°C) Maximum Observed (3)	Maximum For Day (4)	Minimum Observed (5)	Minimum For Day (6)	AFTER RESET (7)	PRECIPITATION Rain Measured mm (8)	Rain For Day mm (9)	Snow Measured cm (10)	Snow For Day cm (11)	Total For Day mm (12)	TIMES OF PRECIPITATION (Calendar Day) Began (13)	Ended (14)	Depth of Snow on Ground cm (15)	Weather (Calendar Day) Thunderstorm (16)	Freezing Rain (17)	Hail (18)	REMARKS (19)
1	a.m.			5.0		5.5						1						
	p.m.	12.0	12.0	5.5	5.0	12.0												SC AC AS OVC
2	a.m.	12.0		5.5		7.0												
	p.m.	13.0	15.0	7.0	5.5	13.0		TR			TR							SC TCU AC SCT
3	a.m.	15.0		6.5		7.5	TR											
	p.m.	14.0	15.0	7.5	6.5	14.0	1.6	1.6			1.6	3						SC TCU AC CS OVC
4	a.m.	15.0		3.5		7.5												
	p.m.	20.0	20.5	7.5	3.5	20.0						4						TCU SCT
5	a.m.	20.5		6.5		11.0												
	p.m.	17.0	18.5	11.0	6.5	17.0		3.0			3.0	5						CU AC CI -BKN
6	a.m.	18.5		5.5		8.0	3.0											
	p.m.	17.0	17.5	8.0	5.5	17.0		3.2			3.2	6						TCU CS BKN
7	a.m.	17.5		8.0		8.0	3.2											
	p.m.	9.0	16.0	7.5	7.5	9.0	5.8	5.8			5.8	7						SF SC SC OVC
8	a.m.	16.0		5.0		6.0	TR											
	p.m.	10.0	19.5	6.0	5.0	10.0		TR			TR	8						AC BKN
9	a.m.	19.5		1.0		9.0	TR											
	p.m.	13.5	19.0	9.0	1.0	13.5		1.6			1.6	9						SC BKN
10	a.m.	19.0		6.5		7.5	1.6											
	p.m.	12.0	13.5	7.5	6.5	12.0	1.0	1.8			1.8	10						TCU AC CS OVC
11	a.m.	13.5		4.0		6.5	0.8											
	p.m.	15.5	17.5	6.5	4.0	13.5	TR	0.4			0.4	11						TCU AC CI SCT
12	a.m.	17.5		7.0		9.0	0.4											
	p.m.	18.0	19.0	9.0	7.0	17.5						12						TCU CI SCT
13	a.m.	19.0		3.5		8.5												
	p.m.	19.0	20.5	8.5	3.5	19.0	TR	TR			TR	13						TCU SCT
14	a.m.	20.5		4.0		9.5												
	p.m.	20.0	21.0	9.5	4.0	19.5	0.2	0.2			0.2	14						TCU CI SCT
15	a.m.	21.0		5.5		10.0												
	p.m.	20.0	20.5	10.0	5.5	16.5						15						TCU AC BKN
16	a.m.	20.5		5.5		14.0												
	p.m.	19.0	21.0	14.0	5.5	16.5	1.0	1.0			1.0	16						TCU AC CU BKN
17	a.m.	21.0		7.5		11.0												
	p.m.	23.0	24.0	11.0	7.5	21.5						17						TCU AC CS -OVC
18	a.m.	[illegible]		11.0		14.5												
	p.m.	23.5	24.5	14.5	11.0	23.5						18						CU SCT
19	a.m.	24.5		7.5		14.0												
	p.m.	24.5	25.5	14.0	7.5	24.5						19						TCU AC CI -BKN
20	a.m.	25.5		8.5		13.5												
	p.m.	25.0	25.0	13.5	8.5	24.5						20						SC AC BKN
21	a.m.	25.0		9.5		11.5												
	p.m.	22.5	24.0	11.5	9.5	21.0						21						CB BKN
22	a.m.	24.0		11.5		13.0												
	p.m.	21.0	23.0	13.0	11.5	20.0	TR	0.4			0.4	22						SC AC BKN
23	a.m.	23.0		12.0		16.0	0.4											
	p.m.	24.0	25.0	16.0	12.0	22.0						23						CU AC BKN
24	a.m.	25.0		9.5		13.5												
	p.m.	23.5	25.5	13.5	9.5	23.0						24						TCU CI BKN
25	a.m.	25.5		10.0		13.0												
	p.m.	25.5	27.0	13.0	10.0	25.5		1.0			1.0	25						TCU AC -BKN
26	a.m.	27.0		8.5		12.5	1.0											
	p.m.	25.5	26.5	12.5	8.5	25.5						26						TCU AC CS -BKN
27	a.m.	26.5		11.0		16.0												
	p.m.	24.0	25.0	16.0	11.0	24.0		2.8			2.8	27						TCU AC CI -BKN
28	a.m.	25.0		10.5		13.0	2.5											
	p.m.	24.0	24.0	13.0	10.5	21.0	TR	1.4			1.4	28						TCU CI SCT
29	a.m.	21.0		10.0		11.5	1.4											
	p.m.	21.5	23.0	11.5	10.0	21.5		TR			TR	29						TCU AC SCT

Day												
30	a.m.	23.0		10.0		0	TR					
	p.m.	24.0	25.5	14.0	10.0	–						
31	a.m.											
	p.m.							6.0			6.0	
1	a.m.	25.5					6.0					Total no. of days with
SUMS			633.5		219.0			30.2			30.2	
MEANS			21.1		7.3							

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TEMPERATURE EXTREMES

Maximum 27.0 Date 25

Minimum 1.0 Date 9

TEMPERATURE

Mean Max. 21.1

Mean Min. 7.3

Mean 14.2

July 17/91

08/28/91 15:54 ☎403 668 3591 YUKON WX CENTRE 002

Atmospheric Environment / Environnement atmosphérique

CLIMATOLOGICAL STATION REPORT

STATION ZFA 2100517-245 YT

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PROVINCE

Time of observation 1500 a.m. 2200 p.m.

Observer Kimpinski / McKay

MONTH April 1991

DAY	TIME OF OBSERVATION	TEMPERATURE (°C) Maximum Observed	Maximum For Day	Minimum Observed	Minimum For Day	Minimum AFTER RESET	PRECIPITATION Rain Measured mm	Rain For Day mm	Snow Measured cm	Snow For Day cm	Total For Day mm	TIMES OF PRECIPITATION (Calendar Day) Began	Ended	Depth of Snow on Ground whole cm	Weather (Calendar Day) Thunderstorm	Freezing Rain	Hail	REMARKS
1	a.m.			-10.0		-9.0												
	p.m.	-0.5	0.5	-9.0	-10.0	-0.5								42.0				SC AC SCT
2	a.m.	0.5		-18.5		-13.5												
	p.m.	0.0	2.0	-13.5	-18.5	0.0								42.0				Cu Ac Ci OVC
3	a.m.	7.0		-11.0		-8.5												
	p.m.	3.5	4.5	-8.5	-11.0	3.5								40.0				Cu AC Ci SCT
4	a.m.	4.5		-9.0		-5.0												
	p.m.	5.0	5.5	-5.0	-9.0	5.0								40.0				Cu AC Ci SCT
5	a.m.	5.5		-12.0		-9.0												
	p.m.	5.0	6.5	-9.0	-12.0	5.0								38.0				Ci AC CS -BKN
6	a.m.	6.5		-13.0		-9.0												
	p.m.	4.0	5.0	-9.0	-13.0	2.5								37.0				TCU AC BKN
7	a.m.	5.0		-13.0		-7.0												
	p.m.	4.0	5.5	-7.0	-13.0	4.0								37.0				CU Cl BKN
8	a.m.	5.5		-9.0		-6.0												
	p.m.	3.5	4.5	-6.0	-9.0	3.0				TR	TR			29.0				Cu Tcu AC Ci BKN
9	a.m.	4.5		-11.5		-10.0			TR									
	p.m.	3.5	5.0	-10.0	-11.5	3.5								24.0				Cu SCT
10	a.m.	5.0		-9.5		-9.5												
	p.m.	3.5	5.5	-9.5	-9.5	3.5				0.4	0.4			23.0				Cu AC CS -OVC
11	a.m.	5.5		-5.0		-4.5			0.4									
	p.m.	2.5	2.5	-4.5	-5.0	2.0				0.6	0.6			19.0				Cu AC AS Ci -BKN
12	a.m.	2.5		-2.0		-1.5			0.6									
	p.m.	6.0	8.5	-1.5	-2.0	6.0				1.6	1.6			20.0				SC AC OVC
13	a.m.	8.5		-0.5		0.0			1.6									
	p.m.	7.0	8.0	0.0	-0.5	7.0			0.2	0.2	0.2			17.0				S Tcu AC Ci OVC
14	a.m.	8.0		-4.5		1.0												
	p.m.	7.5	9.0	1.0	-4.5	7.5								11.0				AC CS -OVC
15	a.m.	9.0		-3.5		-2.5												
	p.m.	8.5	9.0	-2.5	-3.5	8.0								7.0				AC CS Ci -OVC
16	a.m.	9.0		-5.0		-3.5												
	p.m.	9.5	10.5	-3.5	-5.0	9.5								2.0				CS -OVC
17	a.m.	10.5		1.0		2.5												
	p.m.	11.5	12.5	2.5	1.0	11.5								TR				Cu AC CS SCT
18	a.m.	12.5		1.5		1.0												
	p.m.	10.5	11.0	1.0	1.5	10.5								TR				SC Cu CS SCT
19	a.m.	11.0		3.0		4.0												
	p.m.	9.0	10.0	4.0	3.0	9.0												SC Cu SCT
20	a.m.	10.0		-2.5		-1.5												
	p.m.	12.0	13.5	-1.5	-2.5	12.0												AC Ci -OVC
21	a.m.	13.5		-2.5		5.0												
	p.m.	10.5	12.0	5.0	-2.5	10.5												Ac Ci -BKN
22	a.m.	12.0		-1.5		0.0												
	p.m.	10.0	11.0	0.0	-1.5	10.0												Cu Ac Ci -BKN
23	a.m.	11.0		-4.5		-2.5												
	p.m.	11.0	13.0	-2.5	-4.5	11.0												Cu CS -OVC
24	a.m.	13.0		-4.0		-1.5												
	p.m.	14.0	15.5	-1.5	-4.0	14.0												Ac Ci -SCT
25	a.m.	15.5		-2.0		0.5												
	p.m.	15.0	15.5	0.5	-2.0	14.0												TCU SCT
26	a.m.	15.5		0.5		3.0												
	p.m.	12.0	12.5	3.0	0.5	12.0												AC SCT
27	a.m.	12.5		0.5		1.5												
	p.m.	9.0	9.5	1.5	0.5	8.5												AC BKN

									Remarks
a.m.	9.5		-4.0		4.?				
p.m.	9.5	10.5	4.0	-4.0	9.				AC CI -SCT
a.m.	10.5		-5.0		-2.5				
p.m.	10.5	11.5	-2.5	-5.0	10.5				CLR
a.m.	11.5		1.0		1.5				
p.m.	13.0	14.0	1.5	1.0	12.5				AC AS CI BKN
a.m.									
p.m.									
a.m.	14.0								Total no. of days with
SUMS		264.0		-158.5			28	2.8	
MEANS		8.8		-5.3					

TEMPERATURE EXTREMES

Maximum 15.5 Date 24, 25

Minimum -18.5 Date 2

TEMPERATURE

Mean Max 8.8

Mean Min -5.3

Mean 1.8

08/28/01 15:55 ☎403 668 3591 YUKON WX CENTRE 003

Atmospheric Environment / Environnement atmosphérique

CLIMATOLOGICAL STATION REPORT

ZFA 2100517-245 IT

STATION FARO A

Time of observation 1500 L a.m. 2200 Z p.m. T P

PROVINCE

Observer Kimpinski / McKay MONTH May/01 19

Time of Observation	TEMPERATURE (°C) Maximum Observed	Maximum For Day	Minimum Observed	Minimum For Day	Minimum AFTER RESET	PRECIPITATION Rain Measured mm	Rain For Day mm	Snow Measured cm	Snow For Day cm	Total For Day mm	TIMES OF PRECIPITATION (Calendar Day) Began	Ended	Depth of Snow on Ground whole cm	Weather (Calendar Day) Thunderstorm	Freezing Rain	Hail	REMARKS
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
a.m.			4.0		5.0												
p.m.	8.5	10.0	5.0	4.0	8.5		TR			TR	1						Cu AC BKN
a.m.	10.0		-4.5		-2.0	TR											
p.m.	12.0	14.0	-2.0	-4.5	12.0						2						CS Ci - BKN
a.m.	14.0		2.0		5.0												
p.m.	17.5	18.5	5.0	2.0	17.5						3						AC CS - OVC
a.m.	18.5		3.5		5.5												
p.m.	19.0	20.0	2.5	3.5	19.0						4						AC Ci - BKN
a.m.	20.0		-1.5		9.0												
p.m.	19.0	19.5	9.0	-1.5	19.0						5						Cu Ci SCT
a.m.	19.5		5.0		7.5												
p.m.	14.5	15.5	7.5	5.0	14.5		TR			TR	6						Cu TCu AC Ci BKN
a.m.	15.5		5.0		5.5	TR											
p.m.	12.5	17.5	5.5	5.0	12.5						7						Cu TCu AC CS SCT
a.m.	13.5		-1.5		0.5												
p.m.	14.5	15.0	0.5	-1.5	14.5						8						Cu AC Ci - BKN
a.m.	15.0		-1.5		2.5												
p.m.	12.5	12.5	2.5	-1.5	10.0						9						SC AC CS - OVC
a.m.	10.5		3.0		4.5												
p.m.	10.0	11.0	4.5	3.0	10.0		1.4			1.4	10						TCu BKN
a.m.	11.0		1.0		1.0	1.4											
p.m.	7.5	9.5	1.0	1.0	4.5	1.8	2.0			2.0	11						ST ST OVC
a.m.	9.5		-2.0		5.5	0.2											
p.m.	11.0	12.5	5.5	-2.0	10.5						12						TCU BKN
a.m.	12.5		-1.0		1.5												
p.m.	11.5	11.5	1.5	-1.0	11.0		2.2			2.2	13						SC AC CS OVC
a.m.	11.0		4.0		5.0	2.2											
p.m.	12.5	12.5	5.0	4.0	12.5						14						Cu TCu AC Ci SCT
a.m.	12.5		0.0		3.0												
p.m.	15.5	16.5	3.0	0.0	15.5						15						Cu AC Ci - SCT
a.m.	16.5		0.5		3.5												
p.m.	15.5	16.5	3.5	0.5	14.5		0.8			0.8	16						Cu TCu AC CS - OVC
a.m.	16.5		5.5		6.0	0.8											
p.m.	12.5	13.5	6.0	5.5	12.0	1.0	2.2			2.2	17						SC AC CS OVC
a.m.	13.5		1.5		4.0	1.2											
p.m.	16.0	16.0	4.0	1.5	14.0						18						Cu AC CS OVC
a.m.	15.0		7.0		8.0												
p.m.	9.5	13.0	8.0	7.0	9.5	TR	TR			TR	19						SC OVC
a.m.	13.0		3.5		6.5	TR											
p.m.	9.0	9.0	6.5	3.5	7.5	5.2	8.0			8.0	20						SC TCu AC OVC
a.m.	8.5		4.0		5.5	2.8											
p.m.	13.5	15.0	5.5	4.0	13.5		TR		TR	TR	21						TCu AC Ci OVC
a.m.	15.0		-1.0		1.5	TR		TR									
p.m.	15.5	16.5	1.5	-1.0	15.0						22						CU Ci BKN
a.m.	16.5		6.0		8.0												
p.m.	17.0	17.0	8.0	6.0	16.0						23						SC Ci BKN
a.m.	16.5		4.0		6.0												
p.m.	16.5	16.5	6.0	4.0	15.5						24						AC CS BKN
a.m.	16.0		4.0		5.5												
p.m.	19.0	19.5	5.5	4.0	17.5						25						AC BKN
a.m.	19.5		9.0		11.5												
p.m.	15.5	15.5	6.5	6.5	10.0	1.8	5.2			5.2	26						AC AC BKN
a.m.	13.0		3.0		6.0	3.4											
p.m.	17.5	18.0	6.0	3.0	17.0						27						AC Ci SCT

	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]										
p.m.	18.0	[illegible]	6.0	[illegible]	11.[illegible]		[illegible]		[illegible]	[illegible]					SC AS AC OVC.
a.m.	18-0	18.5	11.0	6-0	18.[illegible]										
p.m.	18.5	[illegible]	9.5	[illegible]	11.5		[illegible]		[illegible]	[illegible]					Cu TCu Ci BKN
a.m.	19.5	20.0	11.5	9.5	19.5										
p.m.	20.0	[illegible]	5.0	[illegible]	7.5		[illegible]		[illegible]	[illegible]					SC AS OVC
a.m.	14.0	14.5	7.5	5.0	14.0	TR	0.4			0.4					
p.m.	14.5	[illegible]	3.0	[illegible]	6.0	0.4	[illegible]		[illegible]	[illegible]					TCu AC Ci BKN
a.m.	12.0	12.5	6.0	3.0	12.0	0.2	0.2			0.2					
	12.5	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]		[illegible]	[illegible]	Total no. of days with				

G		46350	83.5		22.4		22.4	TEMPERATURE EXTREMES	TEMPERATURE Mean Max. 15.2
NS		15.0	2.7					Maximum 20.0 Date 4.29	Mean Min 2.7
								Minimum -4.5 Date 2	Mean 8.9

[illegible] 5/91