

ALASKA LEGISLATURE COMMITTEE FILES 1985-1986 86/2

3529 HRES CONFIRMATION: BOARD OF GAME - COMINCO RED DOG PROJECT



RECORDS CERTIFICATION



I, the undersigned, an employee of the State of Alaska, do hereby certify that the microfilm images on this microform are accurate reproductions of the original records of the State of Alaska as accumulated during the regular course of business, and that it is the established policy and practice of this State to microfilm its records and to dispose of the original records after microfilm reproductions have been made.

James O. Smith
Signature of Carrier Operator

9/5/89
Date

Confirmation

Board

of

Game



Alaska State Legislature

HOUSE OF REPRESENTATIVES
COMMITTEE ON RESOURCES

POUCH V
JUNEAU, ALASKA 99811
(907) 465-3715

April 17, 1986

The Honorable Ben Grussendorf
Speaker of the House
House of Representatives
Juneau, AK 99811

Dear Mr. Speaker:

Pursuant to your instructions, and in accordance with AS 39.05.080, the House Committee on Resources has had under consideration the Governor's appointment named as:

Board of Game

Ms. Sarah Scanlan, Fairbanks

Members of the Resources Committee have signed below indicating their individual recommendations to the House concerning the individual's confirmation.

Members Recommending to Confirm:

Adelheid Herrmann

Betty Cate

David W. Johnson

Key Wallin

[Signature]

Members With Other Recommendations:

Dick Shultz Do Not Confirm

M.W. Miller No Rec.

Roger Jenkins No Rec.

This report does not necessarily indicate an intention to vote for or against the individual named at the time of the joint session on confirmation.

Sincerely,

Representative Dick Shultz
Co-Chair
House Committee on Resources

Sincerely,

Representative Adelheid Herrmann
Co-Chair
House Committee on Resources



Alaska State Legislature

HOUSE OF REPRESENTATIVES
COMMITTEE ON RESOURCES

POUCH V
JUNEAU, ALASKA 99811
(907) 465-3715

April 17, 1986

The Honorable Ben Grussendorf
Speaker of the House
House of Representatives
Juneau, AK 99811

Dear Mr. Speaker:

Pursuant to you instructions, and in accordance with AS 39.05.080, the House Committee on Resources has had under consideration the Governor's appointment named as:

Board of Game

Mr. John "Jay" Massey, Girdwood

Members of the Resources Committee have signed below indicating their individual recommendations to the House concerning the individual's confirmation.

Members Recommending to Confirm:

Members With Other Recommendations:

Dick Shultz
Adelheid Herrmann
Bette Cato
Arvid W. Johnson
M.W. Miller
Kay Wallis
Edgar Johnson
John S. ...

This report does not necessarily indicate an intention to vote for or against the individual named at the time of the joint session on confirmation.

Sincerely,

Sincerely,

Dick Shultz
 Representative Dick Shultz
 Co-Chair
 House Committee on Resources

Adelheid Herrmann
 Representative Adelheid Herrmann
 Co-Chair
 House Committee on Resources



Alaska State Legislature

HOUSE OF REPRESENTATIVES
COMMITTEE ON RESOURCES

POUCH V
JUNEAU, ALASKA 99811
(907) 465-3719

April 17, 1986

The Honorable Ben Grussendorf
Speaker of the House
House of Representatives
Juneau, AK 99811

Dear Mr. Speaker:

Pursuant to your instructions, and in accordance with AS 39.05.080, the House Committee on Resources has had under consideration the Governor's appointment named as:

Board of Game

Ms. Brenda Johnson, Nome

Members of the Resources Committee have signed below indicating their individual recommendations to the House concerning the individual's confirmation.

Members Recommending to Confirm:

Adelheid Herrmann

Betty Cato

David W. Thompson

Kay Wallis

[Signature]

Members With Other Recommendations:

Dick Shultz Do not confirm

M.W. Miller No REC.

Roger Jones No Rec.

This report does not necessarily indicate an intention to vote for or against the individual named at the time of the joint session on confirmation.

Sincerely,

Dick Shultz

Representative Dick Shultz
Co-Chair
House Committee on Resources

Sincerely,

Adelheid Herrmann

Representative Adelheid Herrmann
Co-Chair
House Committee on Resources

Resume

Brenda H. Johnson
P.O. Box 924
Nome, Alaska 99762

(907) 443-2785 Bus
(907) 443-5743 Res

I. Personal

Date of Birth: 11-03-42

Health: Excellent

Marital Status: Married

II. Business Background

1982 to present: Co-owner of Bush UnLimited, a Fabric Shop serving Nome and villages of Bering Straights Region.

1966 - 1976 - Insurance Claims Adjuster

1968 - 1969 - Vice President of Peoria Illinois Association of Insurance Women

1960 - 1966 - Insurance Accounting

III. Community Service

1982 - 1984: Democratic Chairman of District 23, State Central Committee

1980 - Present: Serving on the Nome Senior Citizens Advisory Board at the request of the Senior (Board is composed of 9 local Elders).

1978 - 1983: Member of Nome Community Board of Directors; served as President 1980 thru 1982.

1977 - 1981: Member of Johnson-O'Malley and Indian Education IV Parent Committee. Served as Chairman of both committees 1979 thru 1981.

1974 - 1976: Served on Indian Education IV Parent Committee, Portland, Oregon (Chairman of Personnel and Evaluation Committee)

IV. Education

Attended Northwest Community College, Nome, Alaska

Graduate of Forrest, Illinois High School.

Jay Massey
P.O. Box 429
Girdwood, AK 99587 (907) 783-2129

RESUME

PROFESSIONAL EXPERIENCE/WORK HISTORY

March, 1979 to present: Freelance writer specializing in outdoor non-fiction. Assignments and projects include:

- Outdoor editor, ANCHORAGE DAILY NEWS (March, 1979 to October, 1982)
Produced and edited a weekly outdoor section, writing feature articles, taking photos, designing page layouts and writing weekly outdoor column.
- Book author, Bowhunting Alaska's Wild Rivers and A Thousand Campfires.
Currently working on two fiction novels.
- Writer, Fisheries Safety & Survival Series, under contract from the University of Alaska Instructional Telecommunications Consortium.
- Editor/co-publisher, ALASKA BOWMAN, a four-color outdoor publication.
Wrote features, took photos, assigned/edited freelance stories and had full responsibility for designing content and layout of the publication and supervising all stages of production.
- Freelance contributor to several national outdoor publications, including GRAY'S SPORTING JOURNAL, SPORTS AFIELD, MOTHER EARTH NEWS and others. Currently serve as Regular Contributor to BOWHUNTER Magazine.
- Owner/operator of Moose John Outfitters, a river-floating business catering to salmon fishermen, archery hunters and wilderness enthusiast

May, 1970 to March, 1979: Public information officer for the Alaska Dept. of Fish & Game. Coordinated distribution of information from the department to the public via news media and other channels. Wrote news releases, feature stories and took photos (both 35mm and 16mm cine) of department projects for newspaper/radio/tv use. Wrote regular weekly outdoor column for the ANCHORAGE TIMES and conducted a weekly television show on KIMO-TV. Was associate editor of the department publication, ALASKA FISH & GAME.

July, 1968 to March, 1970: Account executive with Murray Alaska Advertising (now Murray/Bradley). Worked primarily with the Alaska Division of Tourism, specializing in travel promotion. Helped develop travel advertising and PR campaigns and coordinated visits to Alaska by journalists, editors and filmmakers. Participated in travel promotion shows, both inside the state and out.

ACADEMIC BACKGROUND

B.A. in Journalism, Oregon State University, 1968. Minor studies in wildlife management. Undergraduate studies at Southeastern Oklahoma University, Glendale (Calif.) College, University of Maryland (Germany) and San Francisco Art Institute.

MILITARY BACKGROUND

Three years with the U.S. Army Security Agency, 1961-64, including two years in Germany. Monitored Russian, Czechoslovakian and East German military units in East Germany. Had top secret security clearance and regularly handled confidential, secret and top-secret materials. Honorably discharged, 1964.

MEMBERSHIP IN ORGANIZATIONS

Vice-president, International Moose Federation, Member, Outdoor Writers Association of America, Professional Bowhunters Association, Former member, KIMO-TV Community Council. Former board member, Jesse Lee Home.

PERSONAL HISTORY & INTERESTS

Born and reared in eastern Oklahoma. Hobbies are archery/bowhunting, skiing (alpine & nordic), river running, wilderness travel and fiction writing.

REFERENCES

- Mr. Howard Weaver, Managing Editor, Anchorage Daily News, 786-4200
- Dr. Barry Willis, Director of Instructional Development, University of Alaska Instructional Telecommunications Consortium. 277-1638
- Mr. Doug Borland, Vice-president, Rockford Corp. 243-5825



STATE OF ALASKA
OFFICE OF THE GOVERNOR
Pouch A
Juneau, Alaska 99811

BOARDS AND COMMISSIONS RESUME

INSTRUCTIONS

A separate application is required for each position for which you apply. Complete and specific answers will aid in rapid and accurate processing of your resume. The initial determination of whether you qualify for the position specified will be based on this application.

Please type or print legibly in ink. Forward to the above address. Be sure your answers are true. A willfully false answer may result in your disqualification or removal from office if you are appointed.

Position for which I am applying:

State Job Training Coordinating Council

Please list any other Board or Commission on which you serve:

Co-Chairperson - Litter Reduction/Resource Recovery Advisory Council Member

| | | |
|--|--|---|
| Name Sarah M. Scanlan | | Previous Name applied under N/A |
| Mailing Address 308 Iditarod Ave. | Residence Address 308 Iditarod Ave. | |
| City, State and Zip Code Fairbanks, AK 99701 | | |
| Home Telephone 456-1606 | Business or Message Telephone 248-3030 | |

REPORT ADDRESS AND TELEPHONE CHANGES PROMPTLY

AS 39.05.100 requires that a person appointed to a board or commission be a registered voter before the last general election:

Are you a registered voter? YES NO

Voter Registration Number (Optional)

01395409-Registered Democrat

Social Security Number (Optional)

574-26-3682

Have you ever been convicted of a misdemeanor within the past five years or a felony within the past ten years? YES NO

If "YES", explain the circumstances on a separate sheet of paper and attach it to this application. A conviction is not necessarily grounds for disqualification. The number of convictions, nature, recency and relationship to the board position applied for will be evaluated and a determination will be made after a review of all relevant facts.

A policy in the Governor's Office pertaining to boards and commissions is that a member attend at least 75% of the meetings. Are there any circumstances in either your professional or personal life which would prevent you from participating at the required authorized meetings? YES NO

If "YES", explain on a separate sheet of paper and attach to this application.

This position may require that the member travel to either urban or rural (or both) areas. Are there any circumstances which would prevent you from participating?

No.

CONFLICTS OF INTEREST: Certain Boards and Commissions require full disclosure of personal financial data under AS 39.50.010. If required for the Board or Commission for which you are applying, are you willing to do so? YES NO

Could you or any member of your family be affected financially by decisions to be made by the Board or Commission for which you have applied? YES NO If "YES", explain.

The Office of the Governor will not discriminate against an applicant for a Board or Commission based on Sex, Age, National Origin, Marital Status, Pregnancy, Handicap, Religion or Parenthood.

TRAINING & EXPERIENCE: (If résumé attached, it is not necessary to complete items A-D)

A. List any professional licenses, certifications, or registrations and dates obtained that may be used as qualifying criteria:

None

B. List both formal and informal education and training experiences: (Use additional paper if necessary)

| | | | |
|----------------|--|-----|----------|
| 1971-Dec, 1974 | University of Alaska, Fairbanks | BBA | May 1975 |
| 1970 | Stanford University, Palo Alto, CA | | 1970 |
| 1968-1970 | Lathrop High School, Fairbanks, AK - Graduated with Honors | | |
| | Member National Honor Society | | |
| 1966-1968 | Kotzebue High School, Kotzebue, AK | | |
| | Breathitt High School, Jackson, Kentucky | | |

Have attended seminars in management-training. Was one of two Alaskans chosen to represent Alaska in a good will tour to Russia in 1970.

C. List any community service positions, municipal government positions, state positions held, and list any awards received. These include both compensated and uncompensated positions (for example, president of a service organization or a mayor). Also include length of time served in the positions.

Board Member/Secretary - World Eskimo Indian Olympics, Fairbanks, 1970-present
Board Member/Secretary - Tundra Times, 1980 - present
Board Member/Secretary - Howard Rock Scholarship Foundation, 1981 - present
Board Member - Alaska Inter-Regional Private Industry Council, 1981 - present.

D. Employment work history: paid, unpaid or voluntary: (Use additional paper if necessary)

Sept. 1977 - Shareholder Relations, promoted to Vice-President, Shareholder
Present Development, March, 1982.

NANA Regional Corporation, 4706 Harding Dr., Anchorage, AK 99503
Work closely with corporate officials in developing job opportunities and training for shareholders of the corporation. Also responsible for maintenance of corporate stock records; responding to all shareholder inquiries; preparation of shareholder hire reports for Board of Directors; editor of quarterly newsletter; involved in personnel management; special projects as assigned.

Job requires extensive travel to region and villages, and occasional trips to the lower 48.

(continued on attached sheet)

The Office of the Governor and the State of Alaska have an Affirmative Action Equal Employment Opportunity Program. To assist in the program, you are asked to voluntarily answer the following questions to provide the information necessary for reporting purposes. Under State and Federal law, the information you provide will not be used to illegally discriminate against you.

SEX Male Female
ETHNIC BACKGROUND White Black Hispanic Alaska Native Asian or Pacific Islander American Indian

Date of Birth

1/13/52

Military Service (if applicable, give dates)

CERTIFICATION: I swear that the information I have entered on this form is true to the best of my knowledge. I understand that if I deliberately conceal or enter false information on the form my application may be rejected, I may be removed from the list of eligible candidates or I may be removed from the position. I agree that the Office of the Governor may contact present or former employers or other persons who know me to obtain additional information about my skills and abilities. I understand that the information on this application is public information and may be released through a legal request for such information.

Signature in Ink

Suzal Senla

Date

February 17, 1983

{Employment Work History, continued. Sarah M. Scanlan}

January, 1976 -
June, 1977

Operations Manager.
NANA Security Systems, 4706, Harding Dr., Anchorage,
Alaska 99503

Responsible for carrying out provisions of security contract with Alyeska Pipeline Company for all camps north of the Yukon River during the construction phase of the Trans-Alaska Pipeline.

Reason for leaving: Contract completed, office shut down.

September, 1975 -
December, 1975

Employment Assistance Counselor.
Tanana Chiefs Conference, 1st & Hall St., Fairbanks, AK 99701

Counseled members of the Doyon Region to provide guidance in job placement and/or job training.

Reason for Leaving: Took job with NANA, in which I am a shareholder.

June, 1975 -
Sept., 1975

Bookkeeper.

Kotzebue Electric Association, Kotzebue, AK 99752.

Maintained collections and billings records for utility customers.

Reason for Leaving: Summer job only; returned to Fairbanks.

June, 1972 -
June, 1975

Teller, Bookkeeper, Accruals Clerk.

National Bank of Alaska, 6th & Cushman, Fairbanks, AK 99701

Worked in the above capacities part-time while attending the University of Alaska, Fairbanks, and during the summer months.

Reason for Leaving: Returned to Kotzebue upon graduation from college for summer job.

January, 1971 -
May, 1972

Tutor.

University of Alaska, Student Orientation Services, 5th Floor Gruening, Fairbanks, AK 99701.

Tutored rural students in Algebra and Math part-time while attending the University of Alaska, Fairbanks.

Reason for Leaving: Took summer job with bank.

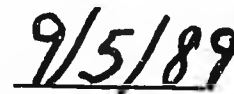


RECORDS CERTIFICATION



I, the undersigned, an employee of the State of Alaska, do hereby certify that the microfilm images on this microform are accurate reproductions of the original records of the State of Alaska as accumulated during the regular course of business, and that it is the established policy and practice of this State to microfilm its records and to dispose of the original records after microfilm reproductions have been made.


Signature of Camera Operator


Date

Confirmation

Guide

Licensing

& Control

Board



Alaska State Legislature

HOUSE OF REPRESENTATIVES
COMMITTEE ON RESOURCES

POUCH V
JUNEAU, ALASKA 99811
(907) 465-3715

April 17, 1986

The Honorable Ben Grussendorf
Speaker of the House
House of Representatives
Juneau, AK 99811

Dear Mr. Speaker:

Pursuant to you instructions, and in accordance with AS 39.05.080, the House Committee on Resources has had under consideration the Governor's appointment named as:

Guide Licensing and Control Board

Ms. Poldine Carlo, Fairbanks

Members of the Resources Committee have signed below indicating their individual recommendations to the House concerning the individual's confirmation.

Members Recommending to Confirm:

Members With Other Recommendations:

Dick Shultz

Adelheid Herrmann

Bette Gatz

David W. Shook

M.W. Miller

Kay Wallin

Roger Jenkins

This report does not necessarily indicate an intention to vote for or against the individual named at the time of the joint session on confirmation.

Sincerely,

Sincerely,

Dick Shultz
 Representative Dick Shultz
 Co-Chair
 House Committee on Resources

Adelheid Herrmann
 Representative Adelheid Herrmann
 Co-Chair
 House Committee on Resources



Alaska State Legislature

HOUSE OF REPRESENTATIVES
COMMITTEE ON RESOURCES

POUCH V
JUNEAU, ALASKA 99811
(907) 465-3715

April 17, 1986

The Honorable Ben Grussendorf
Speaker of the House
House of Representatives
Juneau, AK 99811

Dear Mr. Speaker:

Pursuant to you instructions, and in accordance with AS 39.05.080, the House Committee on Resources has had under consideration the Governor's appointment named as:

Guide Licensing and Control Board

Mr. Edward J. Gamble, Sr., Angoon

Members of the Resources Committee have signed below indicating their individual recommendations to the House concerning the individual's confirmation.

Members Recommending to Confirm:

Members With Other Recommendations:

Dick Shultz
Adelheid Herrmann
Bette Carter
David W. Simpson
M.W. Miller
Kay Wallis
Robert Jenkins
John A. ...

This report does not necessarily indicate an intention to vote for or against the individual named at the time of the joint session on confirmation.

Sincerely,

Sincerely,

Dick Shultz
Representative Dick Shultz
Co-Chair
House Committee on Resources

Adelheid Herrmann
Representative Adelheid Herrmann
Co-Chair
House Committee on Resources



Alaska State Legislature

HOUSE OF REPRESENTATIVES
COMMITTEE ON RESOURCES

FOUCH V
JUNEAU, ALASKA 99811
(907) 465-3715

April 17, 1986

The Honorable Ben Grussendorf
Speaker of the House
House of Representatives
Juneau, AK 99811

Dear Mr. Speaker:

Pursuant to you instructions, and in accordance with AS 39.05.080, the House Committee on Resources has had under consideration the Governor's appointment named as:

Guide Licensing and Control Board

Mr. James Harrower, Anchorage

Members of the Resources Committee have signed below indicating their individual recommendations to the House concerning the individual's confirmation.

Members Recommending to Confirm:

Members With Other Recommendations:

Dick Shultz

Adelheid Herrmann

Bette Cato

David W. Thompson

M.W. Miller

Ray Wallin

Roger Jenkins

This report does not necessarily indicate an intention to vote for or against the individual named at the time of the joint session on confirmation.

Sincerely,

Representative Dick Shultz
Co-Chair
House Committee on Resources

Sincerely,

Representative Adelheid Herrmann
Co-Chair
House Committee on Resources

RESUME'

Poldine Carlo
2111 Southern
Fairbanks, AK 99701

PERSONAL:

Born in Nulato, Alaska; sixty-two years of age; married;
eight children

MEMBERSHIPS:

Eskimo and Indian Olympics
Cemetery and Historical Sites Committee
Yukon and Tanana Historical Society
Hooda Kayekh Native Elders Organization of Fairbanks
Denakanaaga Planning Committee
Museum Collectors Advisory Committee

PAST MEMBERSHIPS:

Fairbanks Native Association (2 terms for 2 years each)
Hillcrest Home for Boys (4 years)
Aboriginal Senior Citizens of Alaska (4 years)
Alaska Association of the Arts

Appointed by Governor Hammond to:

Alaska Heritage Writers Association
American Revolution Bicentennial Commission

COMMENTS:

Have done subsistence hunting and fishing most of life

PERSONAL RESUME

1933 Born in Gillette , Wyoming.

1933-1951

Grew up in Pinedale, Wyoming following a father around who worked as a game warden, forest ranger, wilderness outfitter, and later a contractor.

1947

Gathered museum specimens for the Smithsonian Museum with Dr. Olaus Murie who was already famous for his Alaskan biological work and became sold on Alaska.

1951-1954

University of Wyoming - biology pre med.

1954-1958

University of Oregon Dental School

1958

Passed Alaska Territorial Dental Board exams.

1962

Passed Alaska Registered Guide exams.

1962-present

Active as Alaskan big game and wilderness guide. Currently a master guide as well as having a part time dental practice.

Other business involvements include part ownerships and development of the old Kennicott Mine in the Wrangell Mountains, other property investments in Alaska and several western states. Co-founder with wife of the Rendezvous Art Gallery in Anchorage. Partnership interest in an Anchorage restaurant.

CLUBS AND ORGANIZATIONS:

Member of Masonic Lodge, Anchorage Elks Club, Quite Birdman, Rancheros Visitadores, Desert Caballeros, current board member of Alaska Professional Hunters Assoc. and representative to the Foundation for North American Wild Sheep.



STATE OF ALASKA
 OFFICE OF THE GOVERNOR
 Pouch A
 Juneau, Alaska 99811-2101

BOARDS AND COMMISSIONS RESUME

INSTRUCTIONS

A separate application is required for each position for which you apply. Complete and specific answers will aid in rapid and accurate processing of your resume. The initial determination of whether you qualify for the position specified will be based on this application.

Please type or print legibly in Ink. Forward to the above address. Be sure your answers are correct. A willfully false answer may result in your disqualification or removal from office if you are appointed.

Position for which I am applying:

Guide Licensing & Control Board

Please list any other State Board or Commission on which you serve:

none

REPORT ADDRESS AND TELEPHONE CHANGES PROMPTLY

| | | |
|---|--|--|
| Name <i>Edward J. Gamble Sr.</i> | | Previous Name applied under <i>none</i> |
| Mailing Address <i>P.O. Box 33</i> | | Residence Address <i>503 Kookesh Court</i> |
| City, State and Zip Code <i>Anchorage Alaska 99820</i> | | |
| Home Telephone <i>none</i> | | Business or Message Telephone <i>(907) 788 3653</i> |

AS 39.05.100 requires that a person appointed to a board or commission be a registered voter BEFORE the last general election held _____:

Are you a registered voter? YES NO

Voter Registration Number (Optional)

141691

Social Security Number (Optional)

574-10-6192

Have you ever been convicted of a misdemeanor within the past five years or a felony within the past ten years? YES NO
 If "YES", explain the circumstances on a separate sheet of paper and attach it to this application. A conviction is not necessarily grounds for disqualification. The number of convictions, nature, recency, and relationship to the board position applied for will be evaluated and a determination will be made after a review of all relevant facts.

A policy in the Governor's Office pertaining to boards and commissions is that a member attend at least 75% of the meetings. Are there any circumstances in either your professional or personal life which would prevent you from participating at the required meetings? YES NO

If "YES", explain on a separate sheet of paper and attach to this application.

This position may require that the member travel to either urban or rural (or both) areas. Are there any circumstances which would prevent you from participating? *no.*

CONFLICTS OF INTEREST: Certain Boards and Commissions require full disclosure of personal financial data under AS 39.50.010. If required for the Board or Commission for which you are applying, are you willing to do so?

YES NO

Could you or any member of your family be affected financially by decisions to be made by the Board or Commission for which you have applied?

YES NO If "YES", explain.

The Office of the Governor will not discriminate against an applicant for a Board or Commission based on Sex, Age, National Origin, Marital Status, Pregnancy, Handicap, Religion, or Parenthood.

TRAINING & EXPERIENCE: (If resume attached, it is not necessary to complete items A-D)

A. List any professional licenses, certifications, or registrations and dates obtained that may be used as qualifying criteria:

High school diploma, Paratrooper 82nd Airborne Division Successfully completed jump school in July 1958. Honorable discharge from the Army. Retired commercial fisherman and hunter.

B. List both formal and informal education and training experience (use additional paper if necessary):

Three years College in field of Education with The Alaska Rural Teacher Training Corp. Graduated from Mt. Edgecumbe High School 1955. Vocational training in accounting, drafting, cabinet making. Training in land selection process for village Corporation Kootznowski, Inc.

C. List any community service positions, municipal government positions, state positions held, and list any awards received. These include both compensated and uncompensated positions (for example, president of a service organization or a mayor). Also include length of time served in the positions.

Twelve years as board member of the Kootznowski, Inc., over twenty years as Council member of municipal government. Nine years as board member of REAA Chatham School board # 18. Three years as Mayor of City of Angoon. over twenty years as Council member of Angoon Community Association the local I.R.A. Council.

D. Employment work history: paid, unpaid, or voluntary (use additional paper if necessary):

Commercial fisherman until began work for Corporation as Land Manager, worked as Coordinator for Angoon Community Association, Ferry terminal operator, Cab driver, Mayor of Angoon.

The Office of the Governor and the State of Alaska have an Affirmative Action Equal Employment Opportunity Program. To assist in the program, you are asked to voluntarily answer the following questions to provide the information necessary for reporting purposes. Under State and Federal law, the information you provide will not be used to illegally discriminate against you.

SEX

Male
 Female

ETHNIC BACKGROUND

White Black Alaska Native Asian or Pacific Islander
 American Indian Hispanic Other

Date of Birth

May 4, 1935

CERTIFICATION: I swear that the information I have entered on this form is true to the best of my knowledge. I understand that if I deliberately conceal or enter false information on the form my application may be rejected, I may be removed from the list of eligible candidates or I may be removed from the position. I agree that the Office of the Governor may contact present or former employers or other persons who know me to obtain additional information about my skills and abilities. I understand that the information on this application is public information and may be released through a legal request for such information.

Signature in ink

Edward Frank Sr.

Date

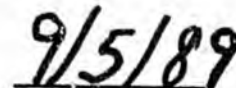
March 25 1986



RECORDS CERTIFICATION

I, the undersigned, an employee of the State of Alaska, do hereby certify that the microfilm images on this microform are accurate reproductions of the original records of the State of Alaska as accumulated during the regular course of business, and that it is the established policy and practice of this State to microfilm its records and to dispose of the original records after microfilm reproductions have been made.


Signature of Camera Operator


Date

Confirmation

Guide

Licensing

Control Board

Tim Harrower



Alaska State Legislature

HOUSE OF REPRESENTATIVES
COMMITTEE ON RESOURCES

POUCH V
JUNEAU, ALASKA 99811
(907) 465-3715

March 6, 1985

The Honorable Ben Grussendorf
Speaker of the House
House of Representatives
Juneau, AK 99811

Dear Mr. Speaker:

Pursuant to your instructions, and in accordance with AS 39.05.080, the House Committee on Resources has had under consideration the Governor's appointment named as:

Guide Licensing and Control Board

Jim Harrower, Anchorage

Members of the Resources Committee have signed below indicating their individual recommendations to the House concerning the individual's confirmation.

Members Recommending to Confirm:

Members With Other Recommendations

Adelheid Herrmann

F. Kaywallin

M.W. Miller

Alvin [unclear]

Roger L. Jenkins

Bette [unclear]

Wendy [unclear]

David W. Thompson

Dick Shultz

This report does not necessarily indicate an intention to vote for or against the individual named at the time of the joint session on confirmation.

Sincerely,

Representative Dick Shultz, Co-Chair
House Committee on Resources

Sincerely,

Representative Adelheid Herrmann, Co-Chair
House Committee on Resources

HOUSE RESOURCES COMMITTEE

FEB 25 1985

Res

Ans: 2:47

February 21, 1985

The Honorable Don Bennett
President of the Senate
Alaska State Senate
Pouch V
Juneau, AK 99811

Dear Senator Bennett:

Pursuant to applicable law, I submit the following names for legislative confirmation of appointment to the positions noted:

BOARDS AND COMMISSIONS
(with Appt/*Reappt/Term)

LC

Board of Dental Examiners

- Hugh Gellert (Anchorage) - 85/02/21 - 89/02/01
- Patrick J. Gullufsen (Juneau) - 85/02/21 - 89/02/21
- *Leslieann Luboff (Anchorage) - 81/01/19-85/02/21-89/02/21
- *Jerry Zemlicka (Juneau) - 83/09/21-85/02/21-89/02/21

LC

Board of Electrical Examiners

- Frank Richards (Sitka) - 85/02/21 - 87/07/10

LC
1.5

Guide Licensing and Control Board

- Jim Harrower (Anchorage) - 85/02/21 - 85/06/15

LC

Board of Nursing

- Barbara Carberry, R.N. (Kodiak) - 85/02/21 - 90/03/31

LC

Board of Pharmacy

- *Sue Roberts (Anchor Point) - 81/03/05-85/02/21-89/03/31
- *Margaret Soden, R.Ph. (Fairbanks) - 81/03/19 - 85/03/21 - 89/03/31

LC

Board of Psychologists and Psychological Associate Examiners

- Linda Webber, Ph.D. (Anchorage) - 85/02/21 - 88/07/01

f

Alaska Public Offices Commission

- Burke Riley (Juneau) - 85/02/21 - 90/02/01

February 21, 1985

Handwritten: 11/21/85
Railroad Labor Relations Agency
Alice Ebenol (Fairbanks) - 85/02/21

Handwritten: 1-2
Real Estate Commission
Iola Robinson (Palmer) - 85/02/21 - 87/01/31

Resumes and autobiographies for these appointees will be submitted to the Fourteenth Alaska State Legislature through the clerks of both houses respectively.

Sincerely,

/s/ Bill Sheffield

Bill Sheffield
Governor

bcc: Senate Secretary
Chief Clerk

SAME LETTER SENT TO: The Honorable Ben Grussendorf
Speaker of the House
Alaska House of Representatives

BS:CAD:kk

CAROL

PERSONAL RESUME

1933 Born in Gillette , Wyoming.

1933-1951

Grew up in Pinedale, Wyoming following a father around who worked as a game warden, forest ranger, wilderness outfitter, and later a contractor.

1947

Gathered museum specimens for the Smithsonian Museum with Dr. Olaus Murie who was already famous for his Alaskan biological work and became sold on Alaska.

1951-1954

University of Wyoming - biology pre med.

1954-1958

University of Oregon Dental School

1958

Passed Alaska Territorial Dental Board exams.

1962

Passed Alaska Registered Guide exams.

1962-present

Active as Alaskan big game and wilderness guide. Currently a master guide as well as having a part time dental practice.

Other business involvements include part ownerships and development of the old Kennicott Mine in the Wrangell Mountains, other property investments in Alaska and several western states. Co-founder with wife of the Rendezvous Art Gallery in Anchorage. Partnership interest in an Anchorage restaurant.

CLUBS AND ORGANIZATIONS:

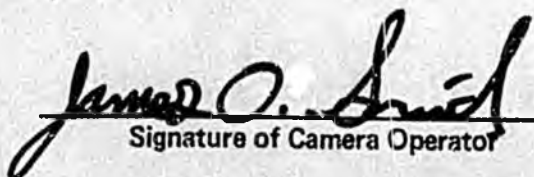
Member of Masonic Lodge, Anchorage Elks Club, Quite Birdman, Rancheros Visitadores, Desert Caballeros, current board member of Alaska Professional Hunters Assoc. and representative to the Foundation for North American Wild Sheep.

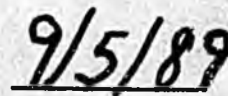


RECORDS CERTIFICATION



I, the undersigned, an employee of the State of Alaska, do hereby certify that the microfilm images on this microform are accurate reproductions of the original records of the State of Alaska as accumulated during the regular course of business, and that it is the established policy and practice of this State to microfilm its records and to dispose of the original records after microfilm reproductions have been made.


Signature of Camera Operator


Date

Cominco

Red Dog

Project - -

Overview

H. M. GIEGERICH
PRESIDENT AND GENERAL MANAGER
COMINCO ALASKA, INC.

HOUSE SPECIAL COMMITTEE ON LOANS & HOUSE RESOURCE COMMITTEE
FRIDAY, FEBRUARY 8, 1985

MADAM CHAIRMAN OF THE RESOURCE COMMITTEE, MADAM CHAIRMAN AND
MR. CHAIRMAN OF THE FINANCE COMMITTEE, MEMBERS OF THE COMMITTEES,
LADIES AND GENTLEMEN, GOOD AFTERNOON.

THANK YOU FOR THE OPPORTUNITY TO TESTIFY BEFORE YOU ABOUT OUR
PENDING DEVELOPMENT, THE RED DOG MINE. MY NAME IS HANK GIEGERICH,
AND I AM PRESIDENT AND GENERAL MANAGER OF COMINCO, ALASKA, INC.
BASED IN ANCHORAGE. WITH ME IS BILL WILSON, PRESIDENT OF OUR
PARENT COMPANY, COMINCO LTD. OF CANADA, AND BOB STONE, CHIEF
FINANCIAL OFFICER FOR COMINCO.

OUR PRESENTATION TODAY WILL BE DIVIDED INTO THREE SECTIONS.
FIRST, BILL WILSON WILL COMMENT ON COMINCO'S BUSINESS ACTIVITIES,
AND SOME OF THE ISSUES WHICH COMINCO WILL CONSIDER BEFORE MAKING
A PRODUCTION DECISION. FOLLOWING THIS, I WILL PRESENT A SLIDE
SHOW WITH DETAILS ON THE PROJECT. THEN, I WOULD LIKE TO WIND
UP WITH SOME OF THE KEY REASONS WHY WE BELIEVE IT IS BENEFICIAL
FOR COMINCO ALASKA, AND THE STATE OF ALASKA, TO DEVELOP THE RED
DOG MINE.

COMINCO AMERICAN, WHICH IS A WHOLLY OWNED SUBSIDIARY OF COMINCO LTD. OF CANADA, HAS BEEN OPERATING IN THE STATE OF ALASKA SINCE 1973. COMINCO ALASKA, A SUBSIDIARY OF COMINCO AMERICAN, WAS INCORPORATED AS AN ALASKAN COMPANY IN 1982 TO LOOK AFTER ALL OF COMINCO'S BUSINESS ACTIVITIES IN ALASKA.

IN FEBRUARY 1982, NANA AND COMINCO AMERICAN SIGNED AN AGREEMENT FOR THE EVALUATION AND DEVELOPMENT OF THE DEPOSIT. THIS AGREEMENT REQUIRED NANA TO PUT THE MINERAL DEPOSIT IN A PARTNERSHIP IN WHICH COMINCO IS THE MANAGER AND FINANCER. MR. JOHN SCHAFFER, PRESIDENT OF NANA, WILL BE DISCUSSING THIS FURTHER.

NOW I WOULD LIKE TO CALL ON BILL WILSON.

I WOULD LIKE TO ELABORATE ON WHY WE CONSIDER RED DOG SHOULD BE DEVELOPED NOW. ALASKA IS AT A POINT IN ITS HISTORY AND DEVELOPMENT WHERE IT IS DESIRABLE FOR THE STATE TO DIVERSIFY ITS ECONOMY. THIS IS NECESSARY PRIMARILY BECAUSE OF THE STATE'S VULNERABILITY TO DECLINES IN OIL REVENUES. IF ALASKA DOES NOT BEGIN TO DIVERSIFY SOON, THERE WILL BE NO WAY TO CREATE THE NEW JOBS, NEW WEALTH, AND NEW OPPORTUNITIES FOR ALASKANS WHEN THE OIL IS GONE.

BY ASSISTING IN DEVELOPING THE TRANSPORTATION INFRASTRUCTURE, ALASKA WILL SEND OUT A SIGNAL THAT THE STATE IS SERIOUS ABOUT

DIVERSIFYING ITS ECONOMY AND BECOMING COMPETITIVE IN THE WORLD MINERAL MARKETS.

ANOTHER POSITIVE ASPECT TO ASSISTING WITH THIS PROJECT IS THE MESSAGE THAT IT WILL SEND TO OTHER MINING COMPANIES OPERATING IN ALASKA, AND TO COMPANIES INTERESTED IN DOING BUSINESS IN THE STATE IN THE FUTURE. IT IS IMPORTANT FOR A MAJOR MINE TO COME INTO PRODUCTION SOON IN ALASKA, TO ENCOURAGE FURTHER INVESTMENT IN NATURAL RESOURCES. THE RED DOG MINE WILL DEMONSTRATE THAT ALASKA KNOWS HOW TO USE ITS OIL REVENUES WISELY IN DEVELOPING ITS OTHER RESOURCES. MINING HAS PLAYED AN IMPORTANT ROLE IN ALASKA'S PAST, AND CAN PLAY AN EVEN MORE IMPORTANT ROLE IN ITS FUTURE.

AS I MENTIONED, TWO CRITICAL AND RELATED FACTORS IN THE DEVELOPMENT OF THE RED DOG MINE HAVE TO DO WITH TIMING AND MARKETS. FROM THE STANDPOINT OF TIMING, RED DOG MUST BE IN PRODUCTION BY THE END OF THIS DECADE SO THAT WE CAN TAKE ADVANTAGE OF THE MARKET OPPORTUNITY WE HAVE IDENTIFIED. IF ALASKA FALTERS, THE MARKET COULD BE LOST UNTIL SOMETIME IN THE FUTURE. THIS WOULD NOT ONLY BE A MISSED OPPORTUNITY FOR COMINCO, BUT, MORE IMPORTANTLY, IT WOULD BE A GREATLY MISSED OPPORTUNITY FOR THE STATE AND PEOPLE OF ALASKA.

I WOULD LIKE TO MAKE ONE FINAL POINT. OVER THE PAST FEW MONTHS THIS PROJECT HAS BEEN CRITICIZED BECAUSE OF THE PERCEPTION THAT

IT HELPS ONE INDUSTRY, ONE REGION AND ONE REGIONAL CORPORATION. LADIES AND GENTLEMEN, WE CONSIDER THIS TO BE FAR FROM THE TRUTH. AS HAS BEEN SHOWN BY RECENT STUDIES COMPILED BY THE ALASKA OIL AND GAS ASSOCIATION, INDUSTRIAL DEVELOPMENT RESULTS IN SIGNIFICANT SPIN-OFFS TO BUSINESSES IN THE REST OF THE STATE, DUE TO THE NEW MONEY THAT IS INJECTED INTO THE ECONOMY, AND MINING IS NO DIFFERENT. IN THE CASE OF RED DOG, A MAJORITY OF THE NEW MONEY WILL PROBABLY GO TO SERVICE INDUSTRIES IN THE ANCHORAGE/ FAIRBANKS AREA.

AS WELL, THE 7(i) PROVISION IN THE NATIVE CLAIMS SETTLEMENT ACT ENSURES THAT THE INCOME AND EXPENDITURES FOR THE RED DOG MINE WILL BE DISTRIBUTED, AND FELT, ALL AROUND ALASKA. THIS PROJECT CAN DEFINITELY BE DESCRIBED AS AN ALASKAN PROJECT!

WITH YOUR APPROVAL, BEFORE TAKING ANY QUESTIONS, WE WOULD FIRST LIKE TO SHOW A SLIDE PRESENTATION WHICH PROVIDES FURTHER DETAILS ON THE PROJECT. MR. WILSON WILL THEN CLOSE OUR FORMAL PRESENTATION.

W. G. WILSON
PRESIDENT
COMINCO LTD.

HOUSE SPECIAL COMMITTEE ON LOANS & HOUSE RESOURCE COMMITTEE
FRIDAY, FEBRUARY 8, 1985

Mr. Chairman of the Special Committee on Loans, Madam Chairman and Mr. Chairman of the Resource Committee, Members of the Committees, Ladies and Gentlemen, good afternoon.

My name is Bill Wilson. I am President of Cominco Ltd. and I live in Vancouver, B.C. Accompanying me from Vancouver is Bob Stone, Vice President, Finance, of Cominco Ltd. Hank Giegerich has already described some aspects of Cominco and I would like to add a few comments.

Worldwide, Cominco employs approximately 10,500 people. In 1984 our total assets were more than \$2 billion, and annual sales were about \$2.1 billion. We have active operations in 9 countries and carry on exploration activities in a further 12 countries.

Our major business is mining and metals. Cominco Ltd. owns zinc and lead mines at Kimberley, at Pine Point and at Polaris, N.W.T., in Canada; Black Angel in Greenland; Rubiales in Spain;

Que River in Australia; and the Magmont mine in Missouri. Other mines owned by Cominco include a gold mine in the Northwest Territories of Canada and a gold mine in Nevada; a copper mine in British Columbia; a coal mine in British Columbia; a potash mine in Saskatchewan; and a phosphate rock mine in Montana. At Trail, British Columbia, Cominco operates the world's largest integrated smelter and refining complex, producing zinc, lead and silver plus chemical fertilizers, and high purity electronic materials. Cominco's sales of zinc and of lead amount to approximately 16% of each of the world's production.

Now I would like to talk a little about world metal markets, so that you can see where we think Red Dog will fit in. In the late 70's and early 80's, zinc concentrate markets were buoyant due to the general "boom" conditions that existed worldwide. This shifted dramatically in 1982 when the world moved into recession. Concentrate markets softened, inventories increased significantly, and prices dropped to the lowest "real" level in 50 years. For the metals industry this was the most severe recession since the 1930's.

During 1983/84 production and consumption remained in balance, and there was slow improvement in price, but not enough to put the industry back into complete health. The situation today is essentially unchanged. Zinc consumption in the Western World

has increased but so has production, so there is still some surplus capacity over-hanging the market. This was the major reason behind Cominco's recent temporary shutdowns -- to try to eliminate some of these surpluses. All of our mines are now operating again, and we will hope to see an improved inventory situation by next summer. And, if the economic recession that the experts are predicting for 1986 materializes, we may again see lower prices for a period and this may result in a shake-out in the market that will finally eliminate some of the high-cost, marginal producers.

However, by the end of this decade, we anticipate some significant changes in the world zinc market. To start with, there are going to be a number of good-sized mines going out of business due to exhaustion of ore reserves. These include our own Black Angel mine in Greenland, Nanisivik in Canada's arctic, the Meggan mine in West Germany (which has been in production for 300 years), plus other major operations in Canada and Australia. These shutdowns are going to take more than half a million tons off the market annually by the end of this decade. Expansions and new mines that have been announced will compensate for some of this, but will not take care of the new zinc production that will be required by 1990, due to the normal expansion of the world economy. So this is where Red Dog comes in, as this market gap that has been identified fits in with our proposed timing for bringing Red Dog on by the end of the decade.

Cominco is therefore taking metal prices and markets, and the future outlook, into consideration in our planning on when to bring the Red Dog mine into production. Our production decision will be based on these market considerations, plus the return on investment, and the risk. And probably the most critical factor is whether the State of Alaska can assist in the initial financing of the road and port facility. This is the single largest item in the project, and accounts for almost 40% of the total project cost. Our present studies indicate that if Cominco is required to directly finance this portion of the project, the return on the investment will not likely be adequate to justify developing this mine, with its problems of isolation, climate and short shipping season.

In return for State assistance in developing the transportation infrastructure, we have stated that Cominco will make certain guarantees to the State of Alaska covering repayment of the State financing and start-up of the mine. We have been asked what these guarantees mean, and whether the State of Alaska can count on Cominco. These guarantees are backed by the assets of Cominco Ltd., which are more than \$2 billion, with two-thirds in fixed assets such as land, building, equipment and developed mineral properties. Cominco is owned by 20,000 shareholders in Canada and the U.S.A., including 54% by Canadian Pacific Ltd., the company instrumental in forming Cominco Ltd. over 80 years

ago. Canadian Pacific Ltd. is the largest company in Canada, with assets of \$17.6 billion, and sales of \$13.1 billion.

Another way to measure our guarantee is to look at our past performance. The proposal we are making to you is not new in the world, or to Cominco. In 1961 we reached an agreement with the Canadian Federal Government which called for the construction of a railroad and hydro-plant to assist in bringing the Pine Point mine in Northern Canada into production. We made commitments and guarantees similar to what we are proposing with the State of Alaska. One of these called for the repayment of capital costs for the railroad. As a result of increased production and higher revenues at the mine over that which we expected, we paid for the capital cost in a shorter time period than was required in the agreement. This mine is still in production and is expected to continue for another 5 to 10 years.

Thank you for the opportunity to address this hearing. I am sure that you have a lot of questions about our project and the company. We will be happy to answer any questions you might have, and look forward to meeting with you again.

Thank you.



H M Giegerich
President & General Manager

Editor
The Anchorage Times
P.O. Box 40
Anchorage, Alaska 99510

December 17, 1984

Dear Editor:

On Monday, December 10, 1984 your paper carried a rather lengthy editorial on the proposed road and port facilities for the Red Dog mine. Unfortunately, the editorial contains numerous inaccuracies about the mine, the road and port facilities, and about Cominco Alaska.

To those who are unfamiliar with the Red Dog project, it is one of the premier zinc-lead-silver deposits in the western world. The mine could start producing as early as 1988/1989 and, when at full production, will be the largest zinc mine in the western world. The project will directly provide over 600 Alaskans with year-round jobs, and indirectly will employ approximately 3,000 other Alaskans, also in year-round jobs, for at least 50 years. The mine will be in the NANA region, where almost 90% of the income today is dependent, in one form or another, on government, and where unemployment in the winter time is well over 50% in most of the villages. So these jobs are very significant.

To start with, I am going to summarize the main points, and then discuss them in some detail, so that you will get the complete background.

Your editorial briefly mentioned the positive aspects of this project. However, you failed to note that:

- Red Dog will diversify the State's economy

- Red Dog will provide Alaska with new opportunities
- Red Dog will benefit all of Alaska through jobs and cash injection into the economy
- Red Dog will open up new markets and trade to Pacific Rim countries.

The transportation system will be a multi-purpose facility, as undoubtedly there will be further development in this region of Alaska. There will also be substantial benefits to the people in the region through reduction in freight costs.

There are other key factors in regard to the transportation system.

- The State of Alaska will own the road and port facility
- Cominco Alaska will guarantee to pay the cost of operation and maintenance of the facilities
- Cominco Alaska will guarantee the toll fees which will repay the State for the industrial aspects of the system
- Cominco Alaska agrees to start production at the mine within a definite time period.
- Cominco Alaska guarantees that if it is necessary to postpone development of the mine, it will still repay to the State the money invested in the system.

As an indication of our confidence in the future viability of the Red Dog mine, Cominco Alaska will have spent, by the end of next year, over \$40 million. The entire project is presently estimated to cost \$400 million, of which Cominco Alaska will be responsible for financing \$250 million, or 2/3 of the project, and is

proposing to repay to the State most of the \$150 million cost of the transportation system.

You made reference to Cominco's shut downs of zinc-lead mines, but failed to note that this is strictly temporary. You also indicated that this should have had an immediate effect. However, considering that these short shut downs are just taking place, this seems to be a rather optimistic expectation.

In any event, the production decision for Red Dog will be based on long-term supply and demand factors, and not short-term fluctuations like we are seeing now. Our present detailed marketing studies indicate that there is a definite market opportunity for Red Dog by the end of this decade.

Now I would like to give you a few details.

Your editorial briefly mentioned the positive aspects of this project. However, you failed to note that:

- Red Dog will diversify the State's economy, providing over \$100 million a year in payroll, taxes, royalty payments and the purchase of goods and supplies.
- Red Dog will provide Alaska with new opportunities. As the first major mine to begin operating in Alaska in modern times, this project will enhance Alaska's reputation in the United States and the world, and encourage further investment.
- Red Dog will benefit all of Alaska. The jobs and money provided by this project will be felt from Barrow all the way to Ketchikan.
- Red Dog will open up new markets and trade to Pacific Rim countries. The products produced at Red Dog will be sold to Pacific Rim countries which will open doors for other Alaskan resources.

Your discussion of the negative aspects of the Red Dog project contains some erroneous statements. The road and port will not be a single-purpose facility, as it is likely that there will be further development in this region of Alaska.

Recent articles, which have appeared in your paper, indicate that GCO Minerals Company is planning to use both the road and port facilities to develop the Lik deposit just north of Red Dog. This region of Alaska has been described as the "Noatak Zinc Belt", and it is anticipated that other major deposits will be discovered. While the road will initially link Red Dog with the coast it will undoubtedly be used for these other projects.

As well, the port facility will be of major benefit to the people in the NANA region, by reducing the cost of bringing in fuel and supplies, due to the backhaul capabilities which will be available with the Red Dog project.

Your editorial also missed some other key factors about the road and port. While you pointed out that these facilities will cost \$150 million, there was no reference to the fact that Cominco Alaska will repay the cost of the industrial-use portion of the system, which will be most of the \$150 million, to the State. Some other important points that could also have been mentioned are:

- The State of Alaska will own the road and port facility, and it will be available to other commercial users.
- Cominco Alaska will guarantee to pay the cost of operation and maintenance of the facilities, with no cost to the State.
- Cominco Alaska will guarantee to pay the toll fees for the use of the port and road, which will repay the capital invested by the State in the industrial aspects of the transportation system.
- Cominco Alaska agrees to start production at the mine within a definite time period.

- Cominco Alaska guarantees that if it is necessary to postpone development of the mine, it will still repay to the State the money invested in the system.

Some of these points have been made in previous articles which have appeared in The Anchorage Times, but were not included in your editorial.

As an indication of our confidence in the future viability of the Red Dog mine, Cominco Alaska has invested over \$25 million in the project to date, and the planned expenditure next year will bring our total investment to over \$40 million by the end of 1985. The cost of the entire project is presently estimated to be \$400 million. Cominco Alaska will be responsible for financing \$250 million, or 2/3 of the project, and as noted above, is proposing to repay to the State most of the cost of the transportation system.

Your reference to the required zinc price of \$.70 per pound was unfortunately rather misleading. You missed completely the factors of timing and financing. First, the statement to which you referred was in regard to the price required when Red Dog is planned to start operations in 1988/1989, and not today's price. Second, the \$.70 price was if the total project, including the road and port, was financed by Cominco Alaska. Based on our market studies and world demand for zinc, we are convinced that Red Dog will be economical when it begins producing in 1988/1989. Zinc is the fourth most widely used industrial metal, and compared with other base metals, has the greatest potential for growth in terms of world demand.

The editorial also mentioned that we have already shut down two of our Canadian operations, "...to reduce the amount of zinc in the marketplace". It is fairly understandable that the price of zinc has not yet been affected, as the shut-downs are just now taking place. Your expectation that this should have an immediate effect appears to be somewhat optimistic, as one cannot anticipate that the market will react immediately to changes made in supply. It also was not noted in your editorial that the shut-downs are only temporary. I

Editor

-6-

December 17, 1984

trust that you will give us as much press when we resume operations in early January, as you have for the temporary closures.

In any event, short-term market fluctuations (which is what is behind the shut-downs) are not the basis on which we would make a decision on a long-term development such as Red Dog. This production decision will be based on long-term supply and demand factors, and our present detailed marketing studies indicate that there is a definite market opportunity for Red Dog by the end of this decade.


The last point in your editorial was that this was going to be used as a weapon by rural legislators against urban projects requiring large capital outlays. We don't consider that this is correct. However, if enough suggestion in this direction is made, it could become a self-fulfilling prophecy, and I do not believe any of us wish to create such a situation.

Urban Alaska stands to benefit as much from this project as rural Alaska. This is not a project for one region of Alaska, nor for just the mining community, as Red Dog will benefit all regions and segments of Alaska.

Cominco Alaska considers that projects requiring state financial assistance should be judged on their economic and social merits. The key factors are employment, fiscal responsibility and economic benefits to the State. We believe that Red Dog meets all of these requirements.

I would be pleased to be able to discuss this with you at your convenience.

Very truly yours,



H. M. Giegerich
President and General Manager

HMG:jaz

For further Information: Lisa M. Parker
(907) 563-3686



Release: Thursday, January 10, 1985

COMINCO NORTHERN GROUP MINES RESUME PRODUCTION
FOLLOWING CHRISTMAS SHUTDOWNS

Yellowknife, N.W.T. - Full production of zinc and lead operations at the Polaris Mine will resume tomorrow, January 11, 1985 following a shutdown over the Christmas period. Pine Point Mines Limited resumed production on January 2, 1985.

The interruptions coincided with market oversupply and low prices for zinc and lead.

Cominco closing may rescue zinc

by Olav Sveta

When Cominco Ltd. announced a month-long closure starting mid-December of the Polar zinc-lead mine and the Black Angel mine in Greenland, it was thought its European customers' appetite for concentrates had been sated.

That is true. The European smelters and refiners of Cominco zinc concentrates are sitting with seasonally high inventories.

But the real reason for the closing of two profitable mines could be quite different than what is generally accepted, says Raymond Goldie, mining analyst with Richardson Greenshields.

At the time of the announcement, Cominco and its overseas customers, who rely on the company for nearly one-quarter of zinc metal production, were in the midst of negotiations. In the absence of new agreements, the Europeans could be sitting with near-empty warehouses by the spring of 1985.

Mr. Goldie believes Cominco is prepared to extend the shutdowns to prove a point — if the Europeans still demand discounts from the posted \$US900-per-tonne price, then Cominco will not be shipping concentrates.

"Cominco's actions appear to carry an implicit threat that, if zinc prices don't improve, Cominco will extend the shutdowns," Mr. Goldie said.

There is also the possibility the company, fed up with the braying for discounts by its traditional buyers, could strike a deal with Japanese smelters.

Nor does Cominco seem overly concerned about losing market share, Mr. Goldie noted. Marginal suppliers only reopened mines about a year ago when prices improved. With tags again at lower levels, these producers might be loathe to boost production until solid price gains have been made.

Besides, Mr. Goldie observed,

any expansions would require six months to complete.

So Cominco is taking the lead in showing discipline.

"It demonstrates that at least

one producer is willing to make a stand when it believes that it is not getting a fair price for its product," the analyst said.

The implication for the price of zinc? Obviously, less concentrates should translate into a tighter market. It hasn't happened so far with free market prices (London Metal Exchange) having slipped nearly a cent to 39.1¢ (US) since the Cominco move.

But Mr. Goldie is confident that with supply and demand in fairly close balance even before Cominco's actions, prices will respond.

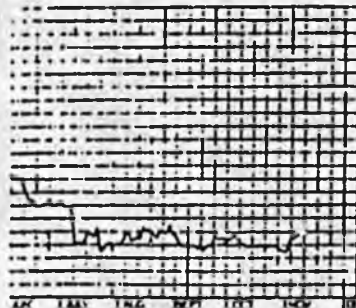
Cominco itself projects world shortages.

"Cominco and the smelters both have their eyes on the long term. Cominco wants to take full advantage of a major world shortage of zinc concentrates which, it expects, will develop by the late 1980s," Mr. Goldie said.

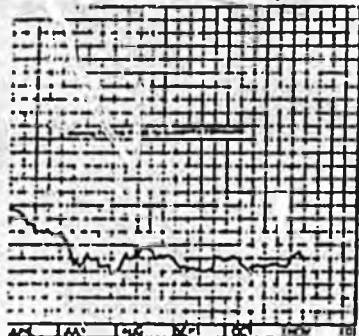
The strength of the yellow metal, meanwhile, continues. At presstime the second London fix (Nov. 13) was \$US350.45 while the key December contract on Comex was trading at \$350.90.

Richardson Greenshields analyst David R. James, noting "the much more positive tone to the gold market," said he expects a "ragged, slow erosion" of the American dollar if newly-re-elected President Ronald Reagan keeps his promise to try to lower interest rates.

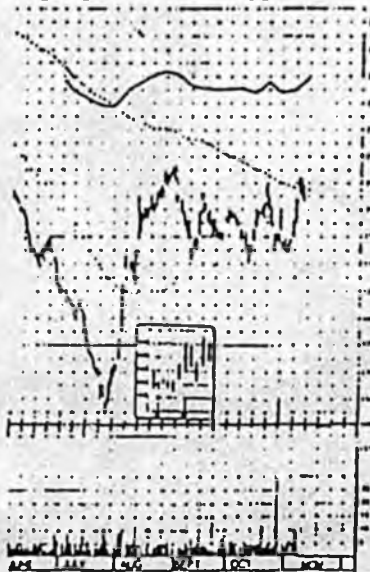
LONDON GOLD PRICE — AFTERNOON CLOSING (in \$ U.S.)



LONDON SILVER PRICE (in \$ U.S.)



METAL AND MINERALS



Courtesy: GIP Publishing, Toronto

Closure of Polaris mine proof of Cominco's Red Dog commitment

By BERT TARRANT

There's more than meets the eye in Cominco Ltd. of Canada's recent announcement of a month-long closure (which began Dec. 1) of its Polaris lead-zinc mine in northern Canada.

When word of the closure was announced, the fact was jumped on by the Anchorage media as if it were proof positive that any efforts by the state to help Cominco Alaska and partner, NANA Regional Corp., develop the Red Dog lead-zinc project would be throwing so much money down a rat hole.

Cominco and NANA, the Kotzebue-based Native regional corporation, are seeking help from the state to take the edge off the steep front-end infrastructure costs (road and port) the joint venture faces if it is to develop what is considered the

richest lead-zinc deposit in the world.

NANA and Cominco had made notable progress in pleading their case and demonstrating the benefits of the project (especially in local hire in unemployment-plagued north-west Alaska) for state help when the Polaris closure (and one in Greenland) was announced.

Tactically, the announcement came at an inopportune time. The knee-jerk reaction from the media and some state-help opponents was that the closures indicated Red Dog wasn't all it was cracked up to be.

But mining industry analysts of international repute are taking an entirely different view of the closures.

When Cominco announced closure of the Polaris mine and

the Black Angel mine in Greenland, it was thought its European customers' appetites for concentrates had been sated.

That is true, according to industry observers in Canada. The European smelters and refiners of Cominco zinc concentrates are sitting on seasonally high inventories.

But the real reason for the closure of the two profitable mines could be quite different than what is generally accepted, says Raymond Goldie, mining analyst with Richardson Greenshields.

At the time of the announcement, Cominco and its overseas customers, who rely on the company for nearly one-fourth of zinc metal production, were in the midst of negotiations. In the absence of new agreements, the Europeans could be sitting with near-

empty warehouses by the spring of next year.

Goldie believes Cominco is prepared to extend the shut-downs to prove a point -- if the Europeans still demand discounts from the posted \$900 per ton price, then Cominco will not be shipping concentrates.

"Cominco's actions appear to carry an implicit threat that, if zinc prices don't improve, Cominco will extend the shut-downs," Goldie said.

There is also the possibility the company, fed up with the braying for discounts by its traditional buyers, could strike a deal with Japanese smelters.

Nor does Cominco seem overly concerned about losing market share, Goldie noted. Marginal suppliers only reopened mines about a year ago when Se- COMINCO, Page 18

Cominco's mine move shows spine

Continued from Page 1
prices improved. With lower prices once again, these producers might be loathe to boost production until solid price gains have been made.

Besides, Goldie said, any expansions would take six months to complete. So Cominco is taking the lead in showing discipline.

"It demonstrates that at least one producer is willing to make a stand when it believes it is not getting a fair price for its product," the analyst said.

Although it hasn't happened so far, that should translate into a tighter market and higher prices and Goldie is confident, with supply and demand in fairly close balance even before Cominco's actions, prices will respond.

Cominco itself projects world shortages. "Cominco and the smelters both have their eyes on the long term. Cominco wants to take full advantage of a world shortage of zinc concentrates which it expects will develop by the late 1980s," Goldie said.

And the late 1980s, incidentally, is when Cominco and NANA would like to bring the Red Dog project on line.

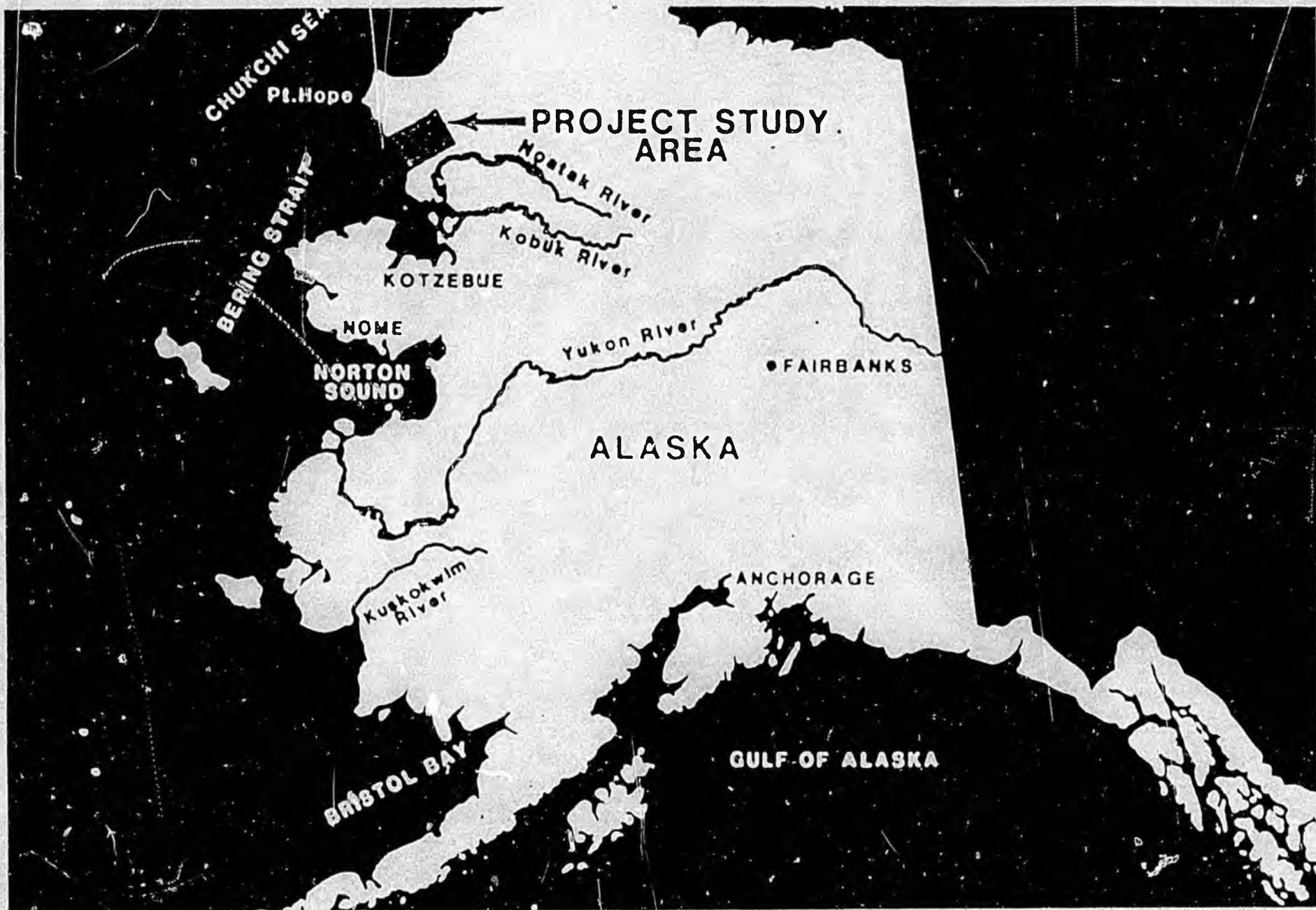
Resources
Comm.

T H E

R E D D O G

P R O J E C T

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THE RED DOG PROJECT

1. MINERAL DEPOSIT

RED DOG IS A LARGE BASE-METAL MINERAL DEPOSIT IN NORTHWEST ALASKA CONTAINING ZINC, LEAD AND SILVER. IT IS LOCATED 90 MILES NORTHEAST OF THE VILLAGE OF KOTZEBUE, AND IS BEING DEVELOPED BY THE NANA CORPORATION AND COMINCO ALASKA, BOTH OF WHICH ARE ALASKAN CORPORATIONS.

RED DOG PROJECT

ORE RESERVES

86,000,000 TONS

| | |
|--------|--|
| ZINC | 17.1 % (14,500,000 TONS) |
| LEAD | 5.0 % (4,300,000 TONS) |
| SILVER | 2.4 OUNCES/TON (204,000,000 OUNCES) |

THE RED DOG PROJECT

1. MINERAL DEPOSIT CONTD.

THE DEPOSIT CONTAINS ALMOST 15 MILLION TONS OF ZINC, OR ENOUGH TO SUPPLY THE ENTIRE WESTERN WORLD FOR MORE THAN THREE YEARS.

IN TERMS OF SIZE, RED DOG IS THE SECOND LARGEST ZINC DEPOSIT EVER DISCOVERED IN THE WESTERN WORLD AND, AT FULL PRODUCTION, WILL BE THE LARGEST ZINC MINE IN THE WORLD.

RED DOG PROJECT EMPLOYMENT

| | Construction | Production |
|--------------------|--------------|------------|
| Construction | 250 | --- |
| Mine | 50 | 400 |
| Service Industries | <u>100</u> | <u>230</u> |
| Total Employment | 400 | 630 |



2. EMPLOYMENT

IN TERMS OF JOBS, DURING THE 24 TO 36 MONTHS OF CONSTRUCTION THERE WILL BE APPROXIMATELY 300 PEOPLE WORKING AT THE MINE SITE, AND MORE IN THE SERVICE INDUSTRIES. ONCE IN PRODUCTION ABOUT 400 PEOPLE WILL BE EMPLOYED AT THE MINE, AND AN ADDITIONAL 230 PEOPLE WILL BE WORKING IN THE INDUSTRIES SERVICING THE MINE.

RED DOG PROJECT
ANNUAL EXPENDITURE IN STATE
(Operating Period)
1985 DOLLARS

| | | \$ Million |
|---------------------------|-----------------|--------------------|
| Mine Payroll and Benefits | | 20 |
| Purchases | | 15 |
| Transportation | | 20 |
| Taxes | | 15 |
| Royalties | | 30 |
| Total per Year | | <u>100</u> Million |
| Over 30 Years | \$3,000,000,000 | |
| Over 50 Years | \$5,000,000,000 | |



3. ANNUAL EXPENDITURES

WHEN THE MINE IS IN FULL OPERATION, IT IS ESTIMATED THE EXPENDITURES BY RED DOG IN ALASKA WILL AMOUNT TO \$100 MILLION PER YEAR. THIS INCLUDES:

| | |
|--|---------------------|
| - MINE PAYROLL AND BENEFITS | \$20 MILLION |
| - PURCHASES | \$15 MILLION |
| - TRANSPORTATION | \$20 MILLION |
| - TAXES IN ALASKA | \$15 MILLION |
| - ROYALTIES TO THE REGIONAL CORPORATIONS | <u>\$30 MILLION</u> |
| TOTAL | \$100 MILLION |

RED DOG WILL BE OPERATING FOR AT LEAST 50 YEARS, SO THE MINE WILL INJECT \$5 BILLION INTO THE ALASKAN ECONOMY DURING THIS PERIOD. THESE FIGURES ARE IN 1985 DOLLARS AND DO NOT INCLUDE THE EFFECTS OF INFLATION.

THE PAYROLL IS WHAT WILL BE PAID THE PEOPLE WORKING AT THE MINE. THE PURCHASES IN ALASKA INCLUDE SERVICES (SUCH AS AIR CHARTERS AND AIR FARES, MAINTENANCE SERVICES, MEDICAL FEES) PLUS MATERIALS (SPARE PARTS, FUEL, FOOD AND CONSTRUCTION SUPPLIES).

**RED DOG PROJECT
ANNUAL TRANSPORTATION EXPENDITURES
IN ALASKA**

1985 DOLLARS

| | \$ Million |
|---------------------------------|---------------------|
| Toll Fees to State | 10 |
| Operating and Maintenance | 5 |
| Trucking Contractor | 5 |
| Spent in Alaska per Year | \$20 Million |



3. ANNUAL EXPENDITURES CONTD.

TRANSPORTATION PAYMENTS IN ALASKA, WHICH WILL BE \$20 MILLION PER YEAR, INCLUDE THE TOLL FEES TO PAY BACK THE STATE INVESTMENT, USER FEES TO COVER THE OPERATING AND MAINTENANCE COST OF THE ROAD AND PORT, PLUS TRUCKING AND HANDLING THE INCOMING FREIGHT AND OUTGOING CONCENTRATES FROM RED DOG.

**RED DOG PROJECT
ROYALTIES
1985 DOLLARS**

| | \$ Million per Year |
|------------------------------------|---------------------|
| NANA Corporation | 10 |
| Alaskan Native Corporations | 20 |
| Total | \$30 Million |



3. ANNUAL EXPENDITURES CONTD.

THE ROYALTY PAYMENTS WILL AVERAGE ABOUT \$30 MILLION PER YEAR OVER THE LIFE OF THE PROJECT. THE NANA CORPORATION, THE OWNER OF THE MINERAL DEPOSIT AND CONINCO ALASKA'S PARTNER IN THE PROJECT, WILL KEEP ABOUT ONE-THIRD OF THIS AMOUNT, AND TWO-THIRDS WILL BE DISTRIBUTED TO THE OTHER ALASKAN NATIVE CORPORATIONS UNDER THE PROVISIONS OF SECTION 7 (i) OF ANCSA. THIS MONEY, WHICH WILL BE SPENT IN ALASKA, WILL PROVIDE ADDITIONAL JOBS AND SERVICES AROUND THE STATE, AND SHOULD SIGNIFICANTLY REDUCE THE TRANSFER PAYMENTS FROM THE STATE GOVERNMENT TO VARIOUS REGIONS OF ALASKA.

**RED DOG PROJECT
STATE TAXES
1985 DOLLARS**

| | | \$ Millions | |
|--------------------------------------|--------------|------------------|------------------|
| | Per Year | Over 30 Years | Over 50 Years |
| Income and Mining Taxes | | | |
| RED DOG | \$ 8 | \$ 240 | \$ 400 |
| REGIONAL CORPORATION | <u>4</u> | <u>120</u> | <u>200</u> |
| TOTAL to State Government | \$ 12 | \$ 360 | \$ 600 |
| Borough Taxes | | | |
| RED DOG | <u>3</u> | <u>90</u> | <u>150</u> |
| TOTAL in State | \$ 15 | \$ 450 | \$ 750 |



3. ANNUAL EXPEDITURES CONTD.

THE TAXES THAT WILL BE PAID IN ALASKA INCLUDE THE STATE MINING LICENSE TAX AND CORPORATE INCOME TAX, WHICH WILL BE PAID BY BOTH COMINCO ALASKA AND THE REGIONAL CORPORATIONS. ALSO INCLUDED ARE BOROUGH TAXES, WHICH IT IS ESTIMATED WILL BE PAID BY COMINCO ALASKA. ALL THESE TAXES COULD AMOUNT TO ALMOST HALF A BILLION DOLLARS IN 30 YEARS.

RED DOG PROJECT POSITIVE FACTORS

- **Diversify Alaska's Economy**
- **New Opportunities for Alaska**
- **Benefit All Alaskans**
- **New Markets for Alaska**



4. KEY FACTORS

IN SUMMARY, THIS IS WHAT RED DOG MEANS TO THE STATE OF ALASKA:

- RED DOG WILL DIVERSIFY THE STATE'S ECONOMY BY PROVIDING \$100 MILLION A YEAR IN PAYROLL, TAXES, ROYALTY PAYMENTS, AND THE PURCHASE OF GOODS AND SUPPLIES.
- RED DOG WILL PROVIDE ALASKA WITH NEW OPPORTUNITIES. AS THE FIRST MAJOR MINE IN ALASKA IN MODERN TIMES, THIS PROJECT WILL ENHANCE ALASKA'S REPUTATION IN THE THE WORLD AND ENCOURAGE FURTHER INVESTMENT.
- RED DOG WILL BENEFIT ALL OF ALASKA. THE JOBS AND MONEY PROVIDED BY THIS PROJECT WILL BE FELT ALL THE WAY FROM BARROW TO KETCHIKAN.
- RED DOG WILL PROMOTE NEW MARKETS AND TRADE. THE PRODUCTS FROM RED DOG WILL BE SOLD TO PACIFIC RIM COUNTRIES, AND THIS WILL OPEN DOORS FOR OTHER ALASKAN RESOURCES.

5. PRODUCTS

THE METALS PRODUCED BY RED DOG WILL BE ZINC, LEAD AND SILVER. THE MOST IMPORTANT PRODUCT IS ZINC, AS 80% OF RED DOG'S REVENUES WILL COME FROM THIS METAL, AND AT FULL PRODUCTION, RED DOG WILL BE THE LARGEST ZINC MINE IN THE WORLD.

ZINC IS A SHINEY BLUISH-WHITE METAL THAT PROVIDES CORROSION PROTECTIVE COATINGS FOR AUTOMOBILES, CHAIN LINK FENCES, STEEL SIDING, GARBAGE CANS AND MANY OTHER STEEL ITEMS. ZINC IS THE MAIN REASON THAT CARS NOW LAST UP TO 5 YEARS OR LONGER WITHOUT RUSTING. OTHER USES FOR ZINC ARE IN DIE-CAST PARTS SUCH AS CARBURETORS ON CARS OR SNOW MACHINES, AND SMALL CASTINGS AND PULLEYS ON WASHING MACHINES AND DISHWASHERS.

LEAD, LIKE ZINC, ALSO HAS MANY INDUSTRIAL USES. SOME OF THE PRODUCTS PRODUCED FROM LEAD ARE LEAD WEIGHTS FOR FISHING, BALLAST FOR BOATS, AND UNDERWATER CABLE SHEATHING. HOWEVER, THE MAJOR USES ARE IN BATTERIES FOR CARS, TRUCKS AND BOAT ENGINES, OR ANYTHING THAT NEEDS STORED ELECTRICAL POWER. OVER HALF OF THE WORLD'S LEAD GOES INTO LEAD ACID STORAGE BATTERIES.

SILVER IS A PRODUCT THAT NEEDS LITTLE INTRODUCTION. IT IS A PRECIOUS METAL THAT IS USED FOR JEWELRY, SILVERWARE AND TABLEWARE. SILVER IS ALSO ONE OF THE MAJOR CONSTITUENTS IN FILM AND IS USED IN THE ELECTRICAL AND HIGH-TECH INDUSTRIES BECAUSE OF SUPERIOR ELECTRICAL PROPERTIES.

**RED OX PROJECT
PRODUCTION FORECAST
TONS PER YEAR**

| | Initial Stage | Full Production |
|--------------------------|------------------|--------------------|
| Mined Ore | 1,500,000 | 2,000,000 |
| Zinc Concentrate | 450,000 | 580,000 |
| Lead Concentrate | 90,000 | 120,000 |
| Total Concentrate | 530,000 | 700,000 |



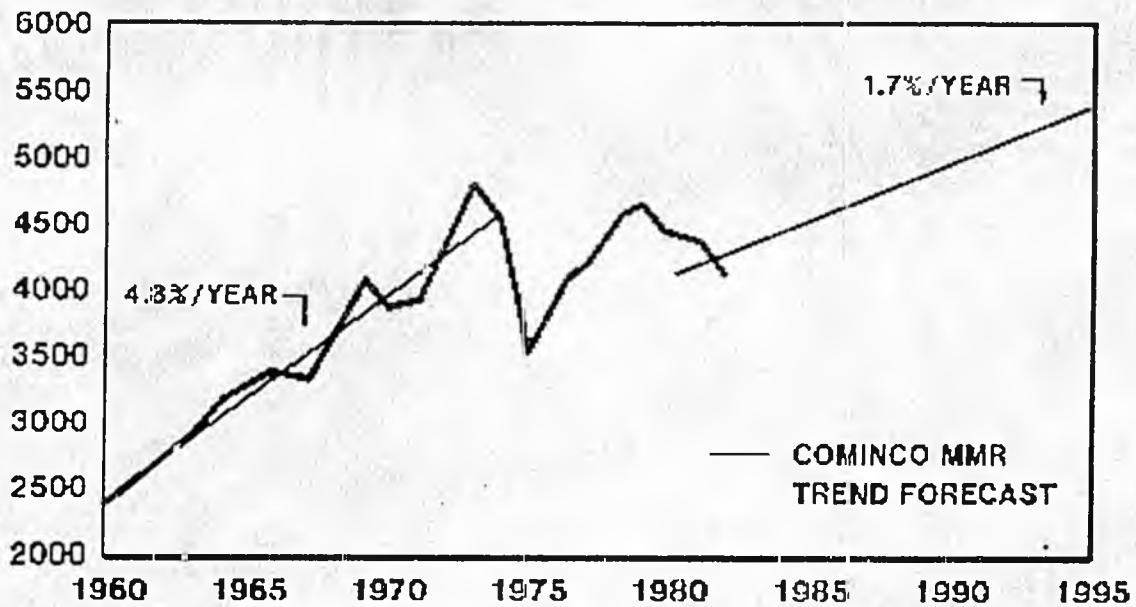
6. PRODUCTION AND MARKETS

THE RED DOG MINE WILL PRODUCE ZINC AND LEAD CONCENTRATES WHICH WILL BE SOLD TO SMELTERS IN EUROPE, CANADA, AND THE FAR EAST. THUS RED DOG WILL BE A MAJOR CONTRIBUTOR TO EXPANSION OF ALASKAN TRADE IN THE PACIFIC RIM COUNTRIES.

INITIALLY THE MINE WILL PRODUCE ABOUT HALF A MILLION TONS PER YEAR OF ZINC AND LEAD CONCENTRATES. WHEN AT FULL CAPACITY, RED DOG PRODUCTION WILL INCREASE TO 700,000 TONS OF CONCENTRATE ANNUALLY. ZINC IS THE KEY METAL, AND RED DOG WILL SUPPLY MORE THAN 5% OF THE WESTERN WORLD'S ZINC REQUIREMENTS.

WESTERN WORLD REFINED ZINC CONSUMPTION

000 Tonnes



6. PRODUCTION AND MARKETS CONTD.

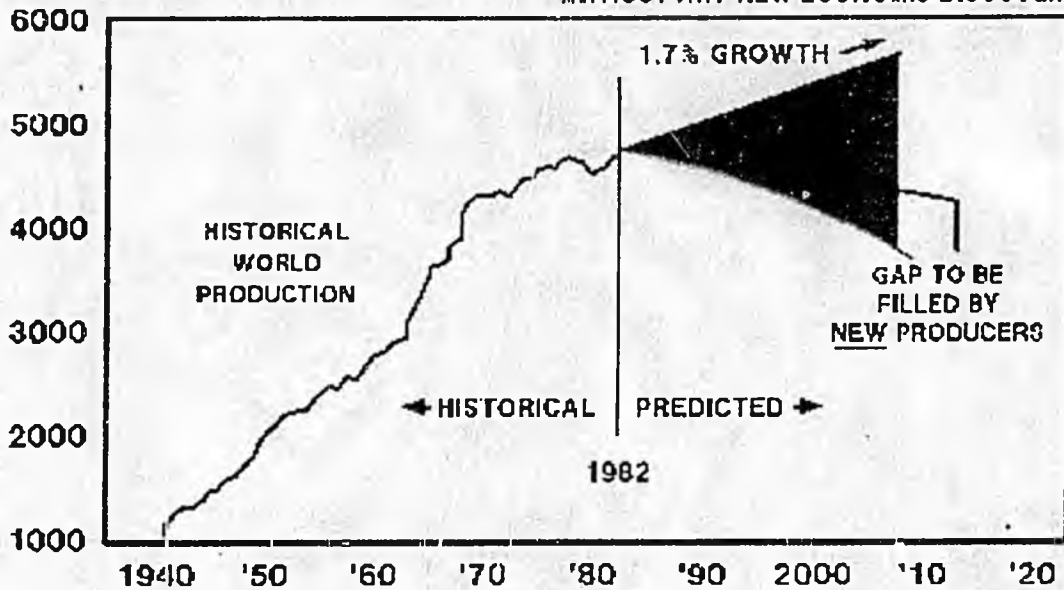
RECENT STUDIES ON THE FUTURE MARKETS FOR RED DOG ZINC ARE ENCOURAGING. A DEFINITE MARKET OPPORTUNITY HAS BEEN IDENTIFIED AT THE END OF THIS DECADE, BASED ON AN ANTICIPATED INCREASE IN ZINC DEMAND OF BETWEEN 1% AND 2% PER YEAR.

THIS GRAPH SHOWS, ON THE LEFT, THE HISTORICAL GROWTH RATE OF ALMOST 5% PER YEAR DURING THE 60'S AND 70'S. THE CURRENT PROJECTION OF 1.7% PER YEAR IS SHOWN ON THE RIGHT. EVEN THOUGH THIS RATE IS LOWER, THE ANNUAL INCREASE IS CLOSE TO WHAT IT HAS BEEN IN THE PAST, AS THE CONSUMPTION IS HIGHER.

ANNUAL WESTERN WORLD ZINC METAL PRODUCTION

000 Tonnes

PREDICTED WORLD ZINC PRODUCTION
WITHOUT ANY NEW ECONOMIC DISCOVERIES

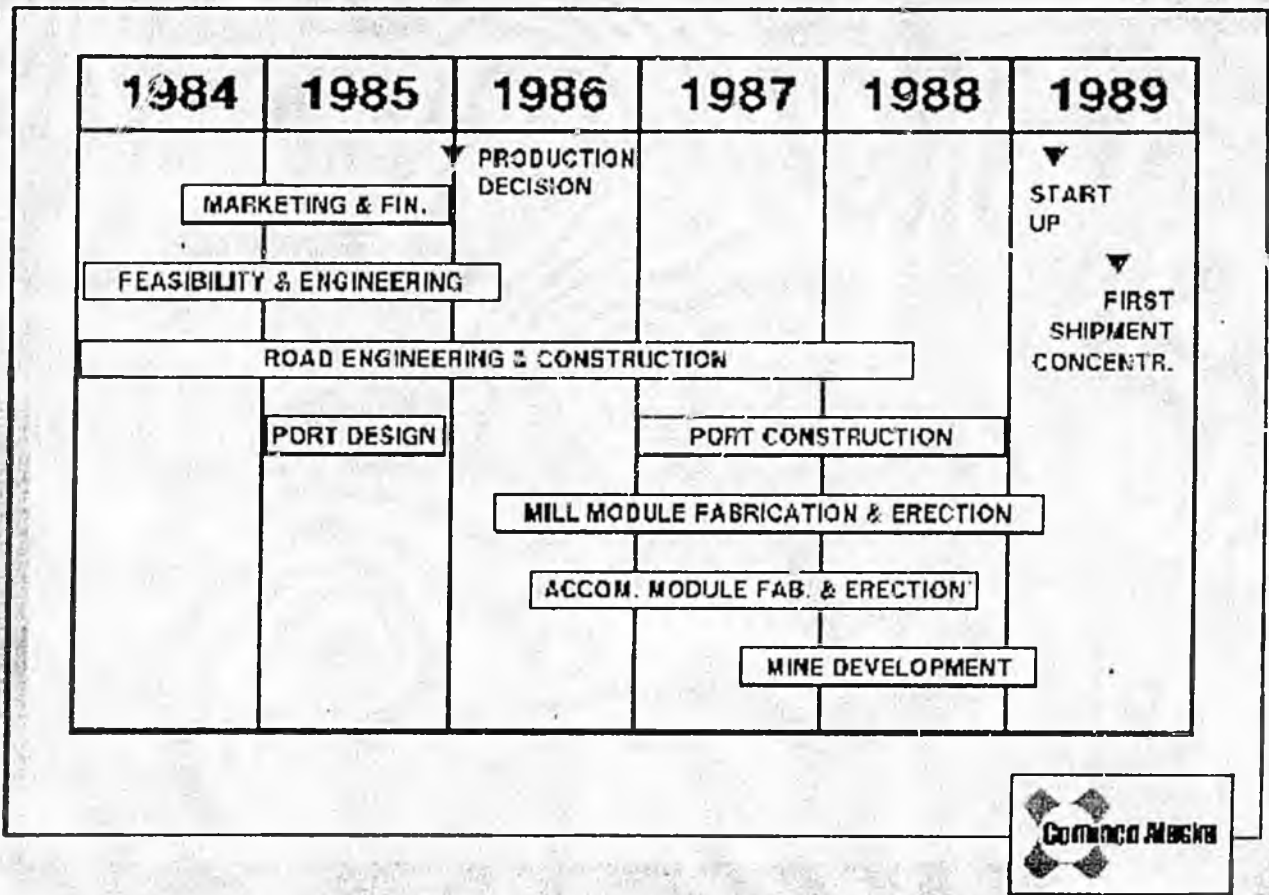


6. PRODUCTION AND MARKETS CONTD.

THE OTHER MAJOR FACTOR THAT HAS BEEN IDENTIFIED IS A DECLINE IN PRODUCTION IS DUE TO CLOSURES OF MAJOR MINES IN CANADA, GREENLAND, W. GERMANY AND AUSTRALIA. THE TRIANGLE ON THE RIGHT OF THIS GRAPH SHOWS THE GAP, BETWEEN THE INCREASE IN CONSUMPTION AND DECREASE IN PRODUCTION, THAT MUST BE FILLED. IF RED DOG IS ON-STREAM BY THE END OF THIS DECADE, IT WILL FILL ABOUT HALF OF THE GAP. THE REMAINDER WILL BE FILLED BY SOME OF THE OTHER POTENTIAL MINES THAT ARE BEING LOOKED AT NOW.

RED DOG IS THE MOST LOGICAL SOURCE TO SUPPLY THE WORLD WITH THIS ADDITIONAL ZINC, FROM THE STANDPOINT OF TIMING, LOCATION, AND PRODUCTION COSTS. WITH STATE ASSISTANCE IN FINANCING THE ROAD AND PORT FACILITIES, COMINCO ALASKA CAN BRING THE RED DOG PROJECT INTO PRODUCTION BY THE END OF THE 1980'S.

THIS TIMING IS CRITICAL. THE WORLD'S ZINC INDUSTRY IS VERY COMPETITIVE, PARTICULARLY FOR MARKETS, AND THERE ARE OTHER POTENTIAL MINES, IN AUSTRALIA, AND EVEN CLOSER TO HOME, IN WISCONSIN, LOOKING AT THE SAME SALES OPPORTUNITIES AS RED DOG, AND THERE PROBABLY ISN'T ROOM IN THE PRODUCTION GAP FOR ALL THESE POTENTIAL MINES. AT THE PRESENT TIME, RED DOG IS AHEAD OF THE COMPETITION. BUT A DELAY COULD RESULT IN LOSS OF THAT MARKET OPPORTUNITY, AND IT MIGHT BE NECESSARY TO WAIT SEVERAL YEARS BEFORE ANOTHER MARKET FOR RED DOG CONCENTRATES BECOMES AVAILABLE. THE STATE OF ALASKA CAN BE THE CATALYST THAT WILL KEEP THE PROJECT MOVING.



7. SCHEDULE

THE PRESENT PROJECT SCHEDULE REQUIRES A COMMITMENT FROM THE STATE LEGISLATURE DURING THE 1985 SESSION, FOR THE METHODS TO FINANCE THE ROAD AND PORT, SO THAT COMINCO WILL BE IN A POSITION TO MAKE THE PRODUCTION DECISION. TO ENSURE THAT THERE WILL BE NO DELAY IN THE SCHEDULE, COMINCO ALASKA IS PROCEEDING WITH THE DETAILED DESIGN AND ENGINEERING WORK IN 1985, EVEN THOUGH THE PROJECT HAS NOT BEEN APPROVED. THIS WILL PUT THE PROJECT IN A POSITION TO MOVE AHEAD WITH CONSTRUCTION IN 1986 IF THE LEGISLATURE APPROVES THE FINANCING. THE REMAINDER OF THE SCHEDULE IS AS FOLLOWS:

- 1986 - AIDA ISSUES ROAD AND PORT CONTRACTS
 - COMINCO COMMENCES MODULAR CONSTRUCTION OF MILL

- 1987 - AIDA CONTRACTOR CONSTRUCTS ROAD AND PORT FACILITIES
 - CONTINUE MODULAR CONSTRUCTION OF MILL
 - COMINCO STARTS TO DEVELOP MINE SITE

- 1988 - COMPLETE ROAD AND PORT FACILITIES
 - MODULES MOVED TO MINE SITE

- 1989 - RED DOG PRODUCTION BEGINS
 - FIRST CONCENTRATES SHIPPED TO WORLD MARKETS

RED DOG PROJECT
ESTIMATED CAPITAL INVESTMENT
1985 DOLLARS

| | \$ Million |
|------------------------------------|----------------|
| Mine Preparation | 60 |
| Mill and Services | 125 |
| Power | 35 |
| Exploration and Feasibility | 30 |
| Road and Port | 150 |
| | <hr/> |
| | \$400 M |



8. INVESTMENT

THE CAPITAL COST OF THE RED DOG PROJECT IS ESTIMATED TO BE \$400 MILLION, IN 1985 DOLLARS, OF WHICH \$250 MILLION IS REQUIRED FOR MINE FACILITIES AND DEVELOPMENT, AND APPROXIMATELY \$150 MILLION TO DEVELOP THE TRANSPORTATION SYSTEM. THIS IS THE PRESENT PRELIMINARY ESTIMATE, AND CONCEPTS ARE STILL BEING STUDIED TO DETERMINE IF THE COSTS CAN BE FURTHER REDUCED. COMINCO WILL FINANCE THE \$250 MILLION FOR THE MINE THROUGH CONVENTIONAL MEANS, INCLUDING EQUITY AND BANK LOANS.

THE MAJOR ECONOMIC HURDLE FOR RED DOG IS THE HIGH COST OF THE TRANSPORTATION SYSTEM, WHICH AMOUNTS TO ALMOST 40% OF THE TOTAL PROJECT COST. THIS COMPARES WITH COMINCO'S RECENT ARCTIC DEVELOPMENTS IN CANADA AND GREENLAND, WHERE TRANSPORTATION WAS LESS THAN 10% OF THE TOTAL PROJECT. AND IN MORE DEVELOPED AREAS OF THE WORLD, IN MANY CASES THE COST OF TRANSPORTATION IS ALMOST NIL, AS THE INFRASTRUCTURE ALREADY EXISTS. IF RED DOG WAS IN THE SAME POSITION, STATE ASSISTANCE WOULD NOT BE REQUIRED. SO THIS IS WHERE THE STATE CAN PLAY THE KEY ROLE.

AS HAS BEEN NOTED EARLIER IN THIS REPORT, THE RED DOG PROJECT IS DEPENDENT UPON THE STATE LEGISLATURE TO ASSIST IN FINANCING THE ROAD AND PORT IN ORDER TO BRING THE MINE INTO PRODUCTION BY 1989. THE TYPE OF FINANCING BEING SUGGESTED IS UNIQUE TO ALASKA, BUT NOT TO OTHER

8. INVESTMENT CONTD.

PARTS OF THE WORLD SUCH AS CANADA OR AUSTRALIA, WHERE SUPPLY OF INFRASTRUCTURE BY THE GOVERNMENT, TO ENCOURAGE RESOURCE DEVELOPMENT, IS A COMMON OCCURRENCE. IT IS BEING PROPOSED THAT THE LEGISLATURE RATIFY AN AGREEMENT WHICH WILL PROVIDE FUNDS TO BUILD THE ROAD AND PORT ON A LONG-TERM BASIS, TO CONVERT PART OF THE COST FROM A CAPITAL TO AN OPERATING BASIS, AND THUS ALLOW COMINCO ALASKA TO FINANCE THE MINE PORTION OF THE PROJECT. THIS WILL ALSO PUT RED DOG ON AN EQUAL FOOTING WITH THE REST OF THE WORLD, BY REDUCING THE ECONOMIC PENALTY FOR RESOURCE DEVELOPMENT IN ALASKA, CAUSED BY LACK OF TRANSPORTATION.

RED DOG PROJECT COMINCO ALASKA COMMITMENTS

- **Pay Toll Costs**
- **Pay Operating and Maintenance Costs**
- **Start Mine Production**
- **Repay State Investment, if Significant Delay**



9. COMINCO ALASKA COMMITMENTS

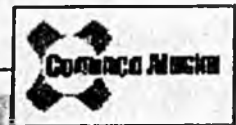
THIS IS NOT A ONE WAY COMMITMENT. IN RETURN FOR THIS FINANCING, COMINCO ALASKA WILL PAY BACK TO THE STATE THEIR INVESTMENT IN THE TRANSPORTATION SYSTEM. WE ARE ALSO PREPARED TO GIVE THE FOLLOWING DEFINITE GUARANTEES:

- COMINCO ALASKA WILL GUARANTEE TO PAY THE TOLL FEES WHICH WILL REPAY THE STATE INVESTMENT.
- COMINCO ALASKA WILL GUARANTEE TO PAY THE COST OF OPERATION AND MAINTENANCE OF THE FACILITIES
- COMINCO ALASKA GUARANTEES TO START PRODUCTION AT THE MINE WITHIN A DEFINITE TIME PERIOD
- COMINCO ALASKA GUARANTEES THAT IF IT IS NECESSARY TO POSTPONE DEVELOPMENT OF THE MINE, IT WILL STILL REPAY THE STATE THE MONEY IT HAS INVESTED IN THE SYSTEM

IN EFFECT, THESE GUARANTEES ELIMINATE THE ELEMENT OF RISK FOR THE STATE IN THE TRANSPORTATION INVESTMENT.

**RED DOG PROJECT
TRANSPORTATION SYSTEM
MAJOR ADVANTAGES**

- **Owned by State of Alaska**
- **Multipurpose Facility**
- **Benefit the Region**



10. MAJOR ADVANTAGES

MORE IMPORTANTLY, THE ROAD AND PORT WILL BE A MULTI-PURPOSE FACILITY OWNED BY THE STATE OF ALASKA. IT IS VERY LIKELY THERE WILL BE FURTHER DEVELOPMENT IN THIS REGION OF ALASKA. FOR EXAMPLE, GCO MINERALS COMPANY IS STUDYING THE FEASIBILITY OF THE LIK DEPOSIT JUST NORTH OF RED DOG, AND WOULD THEREFORE USE BOTH THE ROAD AND PORT FACILITIES. THIS REGION OF ALASKA HAS BEEN DESCRIBED AS THE "NOATAK ZINC BELT" AND IT IS ANTICIPATED THAT OTHER DEPOSITS WILL BE DISCOVERED. WHILE THE ROAD WILL INITIALLY LINK RED DOG WITH THE COAST, IT WILL UNDOUBTEDLY BE USED FOR THESE OTHER PROJECTS.

AS WELL, THE PORT FACILITY WILL BE OF MAJOR BENEFIT TO THE PEOPLE IN THE WESTERN REGION. IT SHOULD REDUCE THE COST OF BRINGING IN FUEL AND SUPPLIES, DUE TO THE BACKHAUL CAPABILITIES WHICH WILL BE AVAILABLE BECAUSE OF THE RED DOG PROJECT.