

Form 49

[Rule 13.19]

COURT FILE NUMBER 1103-14112

COURT COURT OF QUEEN'S BENCH OF ALBERTA

JUDICIAL CENTRE EDMONTON

APPLICANTS *Roland*
RONALD TWINN, CATHERINE TWINN, WALTER FELIX TWINN, BERTHA L'HIRONDELLE, AND CLARA MIDBO, AS TRUSTEES FOR THE 1985 SAWRIDGE TRUST

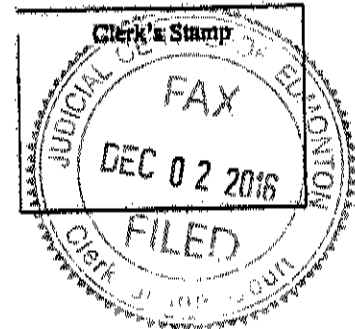
RESPONDENT IN THE MATTER OF THE TRUSTEE ACT R.S.A. 2000, CT-8 AS AMENDED

IN THE MATTER OF THE SAWRIDGE BAND INTER VIVOS SETTLEMENT CREATED BY CHIEF WALTER PATRICK TWINN, OF THE SAWRIDGE INDIAN BAND, NO.19 now known as SAWRIDGE FIRST NATION ON APRIL 15, 1985 (the "1985 Sawridge Trust")

DOCUMENT AFFIDAVIT OF DEBORAH SERAFINCHON

ADDRESS FOR SERVICE AND CONTACT INFORMATION OF PARTY FILING THIS DOCUMENT

BORDEN LADNER GERVAIS LLP
Centennial Place, East Tower
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File no. 443395/01



**AFFIDAVIT OF
DEBORAH SERAFINCHON**

Sworn (or Affirmed) on November 24, 2016

I, Deborah Serafinchon, of the City of Edmonton, in the Province of Alberta, **SWEAR/AFFIRM**
AND SAY THAT:

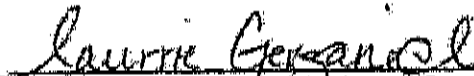
1. On or about December 13, 2001 I received the results of a DNA test I had requested to confirm that the late Chief Walter Patrick Twinn was my biological father.
2. Samples were provided of Lillian McDermott, my biological mother, myself, Catherine Twinn, Walter Twinn, Samuel Twinn and Issac Twinn.
3. Walter Twinn (also known as Patrick Twinn), Samuel Twinn and Issac Twinn are the biological children of Catherine Twinn and the late Chief Walter Patrick Twinn.
4. The results stated:

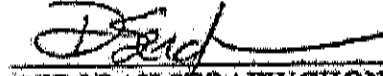
Assuming that Walter Twinn, Samuel Twinn, and Issac Twinn are full biological siblings, then Deborah Serafinchon cannot be excluded as their half sibling. Based on the genetic testing results obtained by DNA analysis, the probability of paternal relatedness is 99.58% as compared to an unknown, unrelated individual of the North American population (prior probability = 50%).

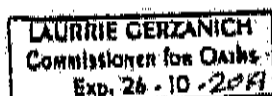
Attached hereto and marked as Exhibit "A" is a copy of the DNA test results I received dated December 13, 2001.

5. Based on the foregoing, I do verily believe that Chief Walter Patrick Twinn is my biological father.

SWORN (OR AFFIRMED) BEFORE ME at)
Edmonton, Alberta, this 24 day of November,)
2016.)


A Commissioner for Oaths in and for Alberta)


DEBORAH SERAFINCHON)



THIS IS EXHIBIT "A" TO THE AFFIDAVIT
OF
DEBORAH SERAFINCHON
SWORN (OR AFFIRMED) BEFORE ME THIS
24 DAY OF NOVEMBER, 2016

A COMMISSIONER FOR OATHS IN AND
FOR ALBERTA

LAURIE GERZANICH
Commissioner for Oaths
Exp. 26-10-2019



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DEFINITIONS OF TERMS ON DNA REPORT

- ◆ **Locus:** The code provided refers to a specific region on a chromosome.
- ◆ **Paternity Index (PI):** This value equals the likelihood that the alleged father is the father rather than any other man selected at random from the population.
- ◆ **Combined Paternity Index (CPI):** Since each Locus result is an independent event, the CPI is the product of all of the Indices and indicates the possibility of the alleged father being the actual father relative to that of any other man selected at random from the population. This value will either be 0 or greater than 999.
- ◆ **Probability of Paternity:** This value is converted from the CPI into the percentage probability $= [CPI / (CPI + 1)] \times 100$.
- ◆ **Prior Probability= 50%:** 50% is the probability of paternity prior to conducting a test. It is equivalent to flipping a coin. Either the Alleged Father is or is not the biological father. After testing however, the probability will be 0% or >99.9%.

INTERPRETATION OF RESULTS

1. To interpret the results, you must look at the results of each locus combination individually. The result for each person consists of 1 or 2 numbers which are actually DNA variants. If there is only one number typed for an individual at a locus, this means the person has two identical DNA fragments for that chromosomal location.
2. First, determine which band the mother and child share. The child's remaining band is therefore the paternal band. (If the mother is not tested, simply compare the child's DNA to the alleged father's DNA).
3. The second step is to determine whether the child's paternal band, matches one of the alleged father's bands.
4. If there is no match, the PI for that locus will be 0.00. If there is a match, a PI will be generated (based on the alleged father's race), for that matching DNA.
5. Repeat this process for each of the locus combinations.
6. Once you have completed this, you must multiply the PI's together to get the CPI.
7. If the CPI is 0.00, then the alleged father has been excluded as being the biological father of the child, and the Probability of Paternity is 0%.
8. If the CPI is greater than 1000, this means that the alleged father cannot be excluded as the biological father, and the Probability of Paternity is then calculated from the CPI as set out above.



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SAMPLE NON-EXCLUSION

Locus	Mother	Child	Alleged Father #1	Paternity Index	Origin of Child's Paternal DNA fragment
PENTA E	11, 17	11, 7	15, 7	20.833	Alleged Father
D8S1179	10, 11	11, 16	14, 16	8.333	Alleged Father
FGA	23, 24	23, 25	25, 26	3.876	Alleged Father
D18S51	15, 21	21, 22	12, 22	35.714	Alleged Father

Examine the "non-exclusion" diagram above. The numbers in bold type show the origins of the child's DNA fragments. For Alleged Father #1, the DNA fragments 7, 16, 25 and 22 match those of the child. In this case, the Combined Paternity Index ($20.833 \times 8.333 \times 3.876 \times 35.714$) is 24,031.20; therefore, Alleged Father #1 is 24,031 times more likely to be the biological father than any other man selected at random from the population. This is then calculated as a Probability of Paternity of >99.99%.

SAMPLE EXCLUSION

Locus	Mother	Child	Alleged Father #2	Paternity Index	Origin of Child's Paternal DNA fragment
PENTA E	11, 17	11, 15	15, 20	5.051	Alleged Father
D8S1179	10, 11	11, 16	14, 13	0.000	Another Man
FGA	23, 24	23, 25	19, 26	0.000	Another Man
D18S51	15, 21	14, 21	12, 19	0.000	Another Man

Examine the "exclusion" diagram above. There is only one match between Alleged Father #2 and the child. Therefore, the Combined Paternity Index ($5.051 \times 0.00 \times 0.00 \times 0.00$) is 0.00 and the Probability of Paternity is 0.00%.



13 December 2001

Deborah Serafinich
12333 - 47th Street NW
Edmonton, AB
T5W 2X6

Test Report

Case #: P-22078	Race	Accession #	Samples Collected	Samples Received
Mom #1: Lillian McDermott	NI	11	August 22, 2000	August 23, 2000
Child #21: Deborah Serafinich		21	November 9, 2001	November 15, 2001
Mom #12: Catherine Twinn	NI	12	November 9, 2001	November 15, 2001
Child #22: Walter Twinn		22	November 9, 2001	November 15, 2001
Child #23: Samuel Twinn		23	November 9, 2001	November 15, 2001
Child #24: Isaac Twinn		24	November 9, 2001	November 15, 2001

Conclusions of DNA Relatedness Test

Assuming that Walter Twinn, Samuel Twinn, and Isaac Twinn are full biological siblings, then Deborah Serafinich cannot be excluded as their half-sibling. Based on the genetic testing results obtained by DNA analysis, the probability of paternal relatedness is 99.58% as compared to an unknown, unrelated individual of the North American population (prior probability = 50%).

PROBABILITY OF RELATEDNESS 99.58%

COMBINED RELATEDNESS INDEX 230.88

Probe	Mom 11	Child 21	Mom 12	Child 22	Child 23	Child 24	Relatedness Index
D18S51	13, 16	13, 15	16, 18	15, 16	15, 18	15, 18	2.283
D21S11	29	29, 30	30, 33.2	30, 33.2	30, 33.2	30, 33.2	1.853
TH01	6, 7	6	6, 9.3	7, 9.3	6, 9.3	6, 7	2.093
D3S1358	16	16	16, 16	14, 16	14, 16	14, 16	1.328
FGA	21, 28	22, 28	20, 22	20, 22	20, 22	22	2.460
TPOX	8, 11	8, 11	9, 11	9, 11	11	8, 9	0.542
D8S1179	13, 14	14, 15	13, 13	12, 13	12, 13	12, 13	2.934
vWA	14, 16	16, 17	18, 19	18, 19	18	18	0.500
D16S539	11, 12	9, 11	12, 13	9, 12	12, 13	12, 13	2.439
D7S820	10	10, 11	7, 2	7, 14	7, 11	7, 11	1.880
D13S317	10, 12	12	8, 12	8, 12	12	11, 12	1.208
D5S818	7, 12	12, 13	12	7, 12	7, 12	7, 12	0.500
CSF1PO	10	10, 11	10, 12	12, 14	12, 14	12, 14	0.500
PI3A01	32, 3	32, 6	6, 7	6, 7	6	6, 7	1.742
PKSFP5	11, 13	11, 13	10, 11	10, 11	11	11	0.890
PI3B	10	8, 10	6, 8	8	6, 8	8, 10	1.931
LPL	10	16	10	10	10	10	1.992

The results and conclusions described in this report have been reviewed by the people named below:

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Quality Control Manager

Terrance G. Owen, Ph.D., M.B.A.
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