

UNCLASSIFIED



FBI Laboratory

2501 Investigation Parkway
Quantico, Virginia 22135

REPORT OF EXAMINATION

To: Seattle
Squad C-1
SA

Date: June 17, 2011

Case ID No.: SE 164A-81-DNA - 53

Lab No.: 110330009 QB ACO

b6
b7c

Reference: Communication dated March 23, 2011

Your No.:

Title: UNSUB,
aka DAN COOPER;
NORJAK
CAA - HIJACKING

Date specimens received: March 30, 2011

The specimens listed below were examined in the Nuclear DNA Unit:

- Q57 Watch (1B33, E4556358, Item 1)
- Q58-Q59 Watches (1B33, E4556358, Item 2)
- Q60 Watch band (1B33, E4556358, Item 2)
- Q61 Ring (1B33, E4556358, Item 3)
- Q62 Ring (1B33, E4556358, Item 4)

This report contains the results of the nuclear DNA analyses.

1 - 164A-SE-81

Page 1 of 4

UNCLASSIFIED

Results of Nuclear DNA Examinations:

Specimens Q57 through Q62 were subjected to deoxyribonucleic acid (DNA) typing by the polymerase chain reaction (PCR) at the amelogenin sex typing locus and the nine short tandem repeat (STR) loci of the AmpF Φ STR $\text{\textcircled{R}}$ Profiler Plus TM ID PCR Amplification Kit.¹

Based on the typing results from the amelogenin locus (for sex determination), male DNA² is present in the DNA obtained from specimens Q58 and Q61. No amelogenin typing results were obtained from specimens Q57, Q59, Q60, and Q62.

No STR typing results were obtained from specimens Q57, Q59, Q60, and Q62.

The DNA typing results obtained from specimen Q58 indicate the presence of DNA from two or more individuals and are suitable for comparison purposes. A major contributor can be discerned from the DNA obtained from specimen Q58 and is suitable for matching purposes. The STR typing results for the minor contributor to specimen Q58 are not suitable for matching purposes; however, may be utilized for exclusionary purposes.³

The DNA profile obtained from specimen Q61 is not suitable for matching purposes; however, it may be utilized for exclusionary purposes.³

It is noted that the DNA typing results obtained for the major contributor to specimen Q58 and the DNA typing results obtained for specimen Q61 are consistent with having originated from the same male individual.

It is noted that specimens Q57 through Q62 were submitted as alternate reference samples for WILLIAM PRATT GOSSETT. Due to the limited results obtained from Q61, and the consistency of the DNA typing results obtained for the major contributor to specimen Q58 and the DNA typing results obtained for specimen Q61, the major contributor to specimen Q58 will be used for all future comparisons and designated as specimen Q58 (GOSSETT) to further differentiate it from the other questioned (Q) specimens analyzed.

The STR typing results for specimen Q58 (GOSSETT) were compared to the STR typing results from specimen Q40/Q41 [submitted under FBI Laboratory Number 010904012 HL MD and reported in FBI Laboratory report dated April 2, 2002].

Based on the STR typing results, Q58 (GOSSETT) is excluded as a potential contributor to the mixture of DNA obtained from specimen Q40/Q41.