

PROVINCE OF BRITISH COLUMBIA  
Ministry of Justice  
Emergency Management BC / Office of the Fire Commissioner

## FIRE REPORT - STRUCTURE

INCIDENT NUMBER: **DDE 2014 06 17 05 03**

Location of Incident: **4283 ARTHUR DR  
DELTA BC**

# of Occupants (At time of fire): **3**      # of Injured: **0**      # of Deaths: **0**      Total Dollar Loss Estimate: **s.22**

Related to Wildland Interface Fire: **NO**      Property Value: **s.22**      Content Value: **s.22**      Total Value at Risk: **s.22**

**Code Name :      Code Description**

PROPERTY COMPLEX : 3400 RESIDENTIAL - SINGLE DETACHED  
PROPERTY CLASSIFICATION : 9310 SHED - INCLUDES IMPLEMENT SHED AND WORKSHOP  
GENERAL CONSTRUCTION : 1000 COMBUSTIBLE CONSTRUCTION - OPEN WOOD JOIST  
BUILDING HEIGHT : 0010 1 STORY ABOVE GRADE  
GROUND FLOOR AREA : 1000 1 TO 100M2 (1 - 1076FT2)  
YEAR OF CONSTRUCTION : 0000 CANNOT BE DETERMINED  
MANUAL FIRE PROTECTION : 7000 NO MANUAL FIRE PROTECTION  
OUTSIDE FIRE PROTECTION : 1000 PUBLIC HYDRANT PROTECTION & FIRE DEPARTMENT  
SPRINKLER PROTECTION : 7000 NO SPRINKLER PROTECTION  
AUTOMATIC FIRE ALARM SYSTE : 1000 NO FIRE ALARM SYSTEM  
SMOKE ALARM OPERATION : 9900 NO SMOKE ALARM INSTALLED  
INITIAL DETECTION : 7000 VISUAL SIGHTING OR OTHER MEANS OF PERSONAL DETECTION (E.G. S  
TRANSMISSION OF ALARM : 1000 911  
FIRE SERVICE : 1000 CAREER FIRE DEPARTMENT ONLY  
INCIDENT : 1000 FIRE - FIRE DEPARTMENT ATTENDED  
ACTION TAKEN : 3000 EXTINGUISHED BY FIRE DEPARTMENT  
METHOD OF FIRE CONTROL : 4700 COMBINATIONS OF 38/42MM (1 1/2"/1 3/4"), 65MM (2 1/2"), 7  
FIRE ORIGIN, LEVEL : 3000 GROUND FLOOR, GRADE LEVEL OR GRADE TO 3M (10FT)  
FIRE ORIGIN, AREA : 4900 STORAGE AREA - UNCLASSIFIED (DESCRIBE)  
EXTENT OF FIRE : 6000 EXTENDED BEYOND PROPERTY OF ORIGIN  
EXTENT OF DAMAGE : 6000 EXTENDED BEYOND BUILDING OF ORIGIN  
IGNITING OBJECT : 0000 CANNOT BE DETERMINED  
FUEL OR ENERGY : 1000 SOLID FUEL (E.G. COAL, WOOD, PELLETS, PAPER OR WASTE USED FO  
FORM OF HEAT : 0000 CANNOT BE DETERMINED  
MATERIAL FIRST IGNITED : 0000 CANNOT BE DETERMINED  
ACT OR OMISSION : 5700 SUSPECTED FAULTY CONNECTION INVOLVING COPPER WIRING

Investigating Officer      LAFC Badge #  
CHECKO, TERRY      2512

Telephone      ReportDate  
604-946-8541  2014-07-28

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FIRE REPORT - **STRUCTURE** (NARRATIVE)

INCIDENT NUMBER: **DDE 2014 06 17 05 03**

**Remarks:**

DELTA FIRE DEPARTMENT - FIRE INVESTIGATION REPORT TO : DEPUTY CHIEF ROBIN CULLEN FROM : FIRE PROTECTION LIAISON OFFICER TERRY CHECKO LAFC #2512 DATE : THIS DOCUMENT  
PRODUCED ..... JULY 23,2014 SUBJECT : SHED & EXPOSURES FIRE 4283 ARTHUR DRIVE JUNE 17,2014 DELTA FIRE DEPARTMENT NUMBER #140002640 INCIDENT BEGIN TIME : (SUPPRESSION DISPATCHED) : 5:59:47 AM.. JUNE 17,2014 INVESTIGATOR ON SCENE :: 08:37 AM JUNE 17,2014 PROPERTY INVOLVED : CEDAR STORAGE SHED BESIDE 2 STOREY HOUSE ON RESIDENTIAL LOT AND EXPOSURES - RESIDENCE DAMAGED AND EVACUATED WITH NO INJURIES ..NEIGHBORS EXTERIOR SIDING , FENCE & TREE DAMAGED OWNER **s.22**  
NEITHER RESIDE ON THE SITE RESIDENTS **s.22** - ON SITE AT TIME OF INCIDENT **s.22** -  
OFF SITE AT WORK DURING INCIDENT **s.22** - OFF SITE AT TIME OF INCIDENT INSURANCE : DARREN BERG , GRANITE CLAIMS 778 688-8885 **s.22** SOURCE REQUESTING INVESTIGATION : DEPUTY CHIEF ROBIN CULLEN  
REASON FOR INVESTIGATION : TO DETERMINE FIRE CAUSE POLICE ON SCENE: OFFICERS STABLER,FORMBY,THIND (DELTA POLICE INCIDENT #DE2014 - 12476) OTHER AGENCIES INVOLVED : B.C.HYDRO,FORTIS, SK ENGINEERING LTD. { H. (SAM) KHASHAN } WEATHER :CLEAR HISTORY: NEIGHBOR NOTIFIED 911 OF SHED FIRE. LONE OCCUPANT OF HOUSE EVACUATED AFTER RESPONDING TO BANGING ON HER DOOR. THE STORAGE SHED WAS BURNED TO THE GROUND . THE FIRE CREW EXTINGUISHED THE BLAZE. THE POLICE AND FIRE INVESTIGATOR EXAMINED THE SCENE JOINTLY. ALSO AFTER A MEETING AT FIRE HALL #1 IN DELTA THURSDAY JUNE 26,2014 @ 12:05 PM CONSULTING ENGINEER H. (SAM ) KASHAN AND INVESTIGATOR CHECKO RETURNED TO THE SCENE. AREA OF ORIGIN : CEDAR SHED (APPROXIMATELY 12 X 7 FEET ) SITUATED ABOUT ONE FOOT FROM THE RESIDENCE.. POINT OF ORIGIN :CANNOT BE DETERMINED DUE TO EXTENSIVE DAMAGE. STATEMENTS / NOTES RECORDED: NEIGHBOR - **s.22** NEIGHBOR - **s.22** ; OCCUPANT **s.22** ; OCCUPANT **s.22**  
SOURCE OF IGNITION: CANNOT BE DETERMINED - LIKELY ELECTRICAL SUMMARY : THE DAMAGE TO THE CEDAR SHED WAS EXTENSIVE . THE CONTENTS OF THE SHED APPEARED TO BE NOTHING OUT OF THE ORDINARY . AS THE SITE WAS NOT BEING MONITORED AT THE TIME OF THE FIRE HUMAN ELEMENT , SPONTANEOUS COMBUSTION NOR ANY OTHER UNKNOWN FACTOR CAN BE ELIMINATED AS A POSSIBLE IGNITION SOURCE. ELECTRICITY TO THE SHED WAS SAID TO POWER A SWITCH THAT RAN A LIGHT BULB. THERE WAS EVIDENCE OF NON-COMPLIANT ELECTRICAL INSTALLATIONS ON THE SITE INCLUDING USE OF WIRE INTENDED ONLY FOR INDOOR USE BEING USED OUT OF DOORS AND THE TRANSMISSION OF POWER FROM THE RESIDENCE TO THE SHED WITHOUT THE BENEFIT OF AN ELECTRICAL BOX WHERE THE WIRE LEFT THE HOUSE. PROPERLY PROTECTED CABLE WAS NOT USED BETWEEN THE SHED AND THE MAIN BUILDING. THIS WIRE WOULD HAVE BEEN VULNERABLE TO PHYSICAL DAMAGE BEFORE THE FIRE. THIS WIRE WAS SEVERED AND DISPLAYED THE LARGE BEAD WELDING AS ILLUSTRATED IN FIGURE 8.10.3.1(B) OF THE 2011 EDITION OF NFPA 921 GUIDE FOR FIRE & EXPLOSION INVESTIGATIONS. OTHER WIRES FOUND IN GALVANIZED ELECTRICAL BOXES ON THE SHED SITE DISPLAYED SIMILAR DAMAGE. ALL REMNANTS OF WIRE LOCATED WERE COPPER NOT ALUMINUM .NFPA 921 8.10 INTERPRETING DAMAGE TO ELECTRICAL SYSTEMS 8.10.1.....AND MANY TIMES THE PHYSICAL EVIDENCE WILL BE AMBIGUOUS AND WILL NOT ALLOW A DEFINITE CONCLUSION. KIRKS FIRE INVESTIGATION 6TH EDITION 2007 PAGE 421 MIMICS A SIMILAR SENTIMENT 'NONE....CAN RELIABLY DISCRIMINATE BETWEEN COPPER ARC BEAD RESIDUES CREATED AS PART OF THE IGNITION PROCESS AND THOSE CREATED LATER IN THE FIRE BY THERMAL EXPOSURE.....BABRAUSKAS CONCLUDES THAT SUCH DISCRIMINATION IS UNLIKELY SINCE THE TWO PROCESSES - ELECTRICAL AND FIRE - DO NOT PRODUCE CATEGORICALLY DIFFERENT RESIDUES.'. CONCLUSION ; LIKELY ELECTRICAL

Investigating Officer LAFC Badge #  
CHECKO, TERRY 2512

Telephone ReportDate  
604-946-8541  2014-07-28

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FIRE REPORT - **STRUCTURE** (NAMES)INCIDENT NUMBER: **DDE 2014 06 17 05 03**

Name no. : 1  
Name :  
Address :

**s.22**

Name Status : OWNER  
Phone :

Claims Adjuster Name :  
Claims Adjuster Firm :  
Claim Number :  
Insurance Company :  
Policy Number :

## LOSS ESTIMATES:

Property Loss : **s.22**Content Loss : **s.22**Total Loss : **s.22**

REMARKS:

Investigating Officer :  
CHECKO, TERRY

LAFC Badge #  
2512

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## FIRE REPORT - STRUCTURE

INCIDENT NUMBER: **DDE 2014 06 17 05 04**

Location of Incident:

**4283 ARTHUR DR  
DELTA BC**

# of Occupants (At time of fire): <b>3</b>	# of Injured: <b>0</b>	# of Deaths: <b>0</b>	Total Dollar Loss Estimate: <b>s.22</b>
Related to Wildland Interface Fire: <b>NO</b>	Property Value: <b>s.22</b>	Content Value: <b>s.22</b>	Total Value at Risk: <b>s.22</b>

**Code Name : Code Description**

PROPERTY COMPLEX : 3400 RESIDENTIAL - SINGLE DETACHED  
PROPERTY CLASSIFICATION : 3190 ONE & TWO-FAMILY DWELLING - UNCLASSIFIED (DESCRIBE)  
GENERAL CONSTRUCTION : 1000 COMBUSTIBLE CONSTRUCTION - OPEN WOOD JOIST  
BUILDING HEIGHT : 0020 2 STORIES ABOVE GRADE  
GROUND FLOOR AREA : 2000 101 TO 500M2 (1077 - 5382FT2)  
YEAR OF CONSTRUCTION : 0000 CANNOT BE DETERMINED  
MANUAL FIRE PROTECTION : 7000 NO MANUAL FIRE PROTECTION  
OUTSIDE FIRE PROTECTION : 1000 PUBLIC HYDRANT PROTECTION & FIRE DEPARTMENT  
SPRINKLER PROTECTION : 7000 NO SPRINKLER PROTECTION  
AUTOMATIC FIRE ALARM SYSTE : 1000 NO FIRE ALARM SYSTEM  
SMOKE ALARM OPERATION : 9500 ALARM NOT ACTIVATED - UNKNOWN  
INITIAL DETECTION : 7000 VISUAL SIGHTING OR OTHER MEANS OF PERSONAL DETECTION (E.G. S  
TRANSMISSION OF ALARM : 1000 911  
FIRE SERVICE : 1000 CAREER FIRE DEPARTMENT ONLY  
INCIDENT : 1000 FIRE - FIRE DEPARTMENT ATTENDED  
ACTION TAKEN : 3000 EXTINGUISHED BY FIRE DEPARTMENT  
METHOD OF FIRE CONTROL : 4900 FIRE DEPARTMENT - WATER APPLICATION - UNCLASSIFIED (DESCRIBE)  
FIRE ORIGIN, LEVEL : 9000 EXPOSURE FIRE  
FIRE ORIGIN, AREA : 9980 EXPOSURE - INCLUDING SMOKE DAMAGE  
EXTENT OF FIRE : 5000 CONFINED TO BUILDING OF ORIGIN  
EXTENT OF DAMAGE : 5000 CONFINED TO BUILDING OF ORIGIN  
IGNITING OBJECT : 8200 EXPOSURE, STRUCTURE DETACHED  
FUEL OR ENERGY : 8000 EXPOSURE FIRE  
FORM OF HEAT : 6000 HOT OBJECT - DIRECT HEAT BY CONDUCTION OR RADIATION, NO DIRE  
MATERIAL FIRST IGNITED : 3000 EXTERIOR WALL COVERING, SURFACE, FINISH - INCLUDES EAVE  
ACT OR OMISSION : 5700 SUSPECTED FAULTY CONNECTION INVOLVING COPPER WIRING

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NEITHER RESIDE ON THE SITE RESIDENTS s.22 ON SITE AT TIME OF INCIDENT s.22 -  
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Name no. : 1  
Name :  
Address :

**s.22**

Name Status : OWNER  
Phone :

Claims Adjuster Name :  
Claims Adjuster Firm :  
Claim Number :  
Insurance Company :  
Policy Number :

## LOSS ESTIMATES:

Property Loss : **s.22**Content Loss : **s.22**Total Loss : **s.22**

REMARKS:

Investigating Officer :  
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