***Carbon: The Unauthorised Biography***

*(Website – HoF/Genepool Version)*

December 8, 2021

**VOICE OF CARBON**

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Niobe Thompson

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Niobe Thompson

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Ben Gaumond

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Nicolas Teichrob

Martin Keir

Grant Lawson

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Zak Melms

Lee Pullbrook

Toby Ralph

Harry Panagiotidis

Tim O’Keefe

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**COLOURIST**

Dee McClelland CSI

**SOUND DESIGN AND MIX**

Tristan Meredith

David Parfit

Peter Donghyuk Cho

**MUSIC COMPOSED BY**

Jonathan Kawchuk

**ASSISTANT TO THE COMPOSER**

Torsten Gran-Ruaz

**SCORE CONDUCTED BY**

Hal Beckett

**SCORING MIXERS**

Roger Monk, CAS

Alex Penney

Olivia Quan

**ADDITIONAL ARRANGING, PROGRAMMING AND TECHNICAL SUPPORT**

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**SCORE RECORDING ENGINEER**

Vince Renaud

**ASSISTANT RECORDING ENGINEERS**

Zach Blackstone

Andrew Downton

**IMMERSIVE RECORDING ENGINEER**

Will Howie

**MUSIC MIXING ENGINEER**

James Clemens-Seely

**MUSIC PERFORMED BY**

The Vancouver Film Orchestra

Music Director: Hal Beckett

Concertmaster: Nancy DiNovo

The Vancouver Chamber Choir

Executive Director - Steven Bélanger

**SOLOISTS**

Hannah Epperson (voice, violin, guitar)

Red Heartbreaker (voice)

Jocelyn Barth (voice)

Torsten Gran-Ruaz (guitar)

Joseph Elworthy (cello)

Roland Gjernes (cello)

Jill McKenna (bass)

Paolo Borolussi (flute)

Rebecca Ruthven (violin, viola)

Kyle Brenders (additional woodwinds)

**SCORE RECORDED AT**

The Warehouse Studio, Vancouver BC

Monarch Studios, Vancouver BC

‘Re(Birth)’ written and performed by

Hannah Epperson

‘Wild Ride of Photosynthesis’, written and performed by

Sivert Hagtvet

‘Mira Como Baila’ by Carlos Jose Alvarez, published by Audio Network

**GAFFERS**

Dan Carr

John Waterhouse

**LIGHTING ASSISTS**

Ben Morgan

Richard Chapman

Victor Mrowka

Garth McMurray

**SET DESIGNER (Australia)**

Marita Musselt

**ART DEPT (Australia)**

Skylar Ru Silva

Jo Oliveira

**DRONE**

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**ALASKA UNIT**

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**LOCATION FIXERS**

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India Pullbrook

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**STOCK FOOTAGE & ARCHIVAL PHOTOGRAPHS PROVIDED BY**

Australian Broadcasting Corporation Content Sales

Australian War Memorial

David Barlow Photography

Carbon Engineering

Critical Past

Mark Fahnestock, Geophysical Institute, UAF

Fungi Time-lapses - Stephen Axford - Planet Fungi

Getty Images

Grand Passage Media

Handful of Films

Library and Archives Canada / Bibliothèque et Archives Canada

(e010933240 to 242, e010675607 - 610, e010980875 and 876) Mountain Legacy Project

Ángel R. López-Sánchez (Australian Astronomical Optics, Macquarie University)

Keith Loutit

National Library of Medicine

National Film and Sound Archive of Australia’s Film Australia Collection

NSW Rural Fire Service

Charles Maxwell / Nature Footage

Mike Olbinsky Photography

NASA Image Gallery

Plankton footage: Parafilms / Christian Sardet & The Macronauts

Periscope Film

Pond5

TJ Watt - Ancient Forest Alliance

Sherpas Cinema

Shutterstock

Jochen Spencer

© State of Victoria, DELWP

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**SPECIAL THANKS**

Darren Fung

Spencer Creaghan

Josée Richard

Panoramic Journeys

Tla-o-qui-aht First Nation

Carbon Engineering Ltd.

Luke Campbell

aAron munson

**PRODUCED WITH THE PARTICIPATION OF**

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Province of British Columbia

Film Incentive BC





Canadian Film or Video Production Tax Credit



**DEVELOPED AND PRODUCED WITH THE ASSISTANCE OF**



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Canadian Broadcasting Corporation

Executive in Charge of Production: Sue Dando

ARTE

Executive in Charge of Production: Helene Coldefy

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Canadian Federation of Musicians



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