



Consider the Post Sec Institution you work at.

Q. What is done there to embed local, regional or global environmental issues into student learning?

Do they have opportunities...

For hands-on action projects?

To meet and converse with changemakers external to the campus?

To apply campus environmental learning to off campus work?

To discuss current environmental issues presented in relevant documentaries with each other or with faculty?

Group Thoughts



EarthWorks + CapUWorks

a campus model for environmental
education and engagement

CAPILANOU.CA/SUSTAINABILITY



Marja de Jong Westman (Biology)



Our Team

Cheryl Schreader (Geography)



**Roy Jantzen (OREC, Tour
Global Stewardship)
MA Environmental
Education &
Communication; Dip in
Outdoor Recreation
Management**



Greig Gjerdalen (OREC)
BA Geography (SFU), Post Bac Asia
Pacific Management Coop Program
(CapU), Master's Resource
Environmental Management (SFU)



Rachel Clearwater (Biology)
PhD in Ecology (University of California,
Davis) and undergraduate degrees in
Biology (University of Victoria) and Political
Science (Queen's University)



**Jeanne Mikita (Geography/
Women's & Gender
Studies)**
BA, MA (SFU)

Our Team

EarthWorks Mission Statement

EarthWorks *educates and inspires* students across disciplines to understand complex environmental issues, enabling them to take action for positive change



Earthworks...

- ✓ **Delivers... the science behind the environmental issues.**
- ✓ **Demonstrates... environmental integrity and sustainable development.**
- ✓ **Create bridges... between CapU's institutional vision and actions of faculty and students.**
- ✓ **Links...the campus with community and business partners to facilitate the application of the knowledge gained in the classroom.**
- ✓ **Creates... a campus that functions as a living classroom.**





CapU Works Student Organizers

EarthWorks ...PowerWorks...GardenWorks
...FoodWorks



Student organizers seek to engage other students with the campus and external community. They are encouraged to network broadly and build links with environmental organizations, arts organizations, performance artists, policy makers, and businesses which are a part of the growing green economy.



CapU Works Student Organizers Hiring Now!



EarthWorks – ?

PowerWorks – ?

GardenWorks – ?

FoodWorks – ?



Lectures & Panels

OUR ECOLOGICAL BACKYARD
a review of conservation and development in Howe Sound

A synthesis of current issues in conservation and development in Howe Sound, lead by local conservation activists and scientists.

Featuring:
Bob Turner, Bowen Island Conservancy
Roy Mulder, Marine Life Sanctuary Society of BC
Edith Tobe, Squamish River Watershed Society
Stephen Foster, Howe Sound Team Lead Suzuki Foundation
panel coordinated by Ruth Simons, Future of Howe Sound Society

7 p.m.
Monday, Nov. 3
Bosa Centre for Film
Capilano University

a free event
presented by
EarthWorks
capilano.ca/earthworks/

CANARIES OF THE SEA

what are British Columbia's killer whales telling us about the state of our coastal waters?

British Columbia is home to some of the most contaminated marine mammals in the world. Peter Ross, from the Vancouver Aquarium Marine Science Centre, will provide insight into the source, transport, fate, and effects of pollutants in coastal B.C., all in the context of habitat needs for marine life and those who depend on it. A key idea is that new partnerships and new ideas are key to ensuring a clean and productive ocean.

7 p.m. Thursday, Jan. 22
The BlueShore at Cap

OCEAN ACIDIFICATION

tracking ocean acidification from the open ocean to coastal seas

Wiley Evans, from the National Oceanic and Atmospheric Administration (NOAA) talks about the problem of ocean acidification, a very real consequence of human-induced emissions of carbon dioxide into the atmosphere. Scientists have been studying the waters from California to Alaska, tracking the changes in acidification levels in an effort to understand the changes and consequences of our ocean's new chemistry.

7 p.m. Wednesday, Feb. 25
The BlueShore at Cap

THE SEA OTTER STORY

a very natural history

Dr. Jane Watson, from Vancouver Island University, talks about the charismatic species, hunted to near extinction before being reintroduced back into B.C.'s coastal waters in 1969. The population, now over 5,000, has resulted in dramatic, positive changes to coastal ecosystems.

7 p.m. Tuesday, March 24
The BlueShore at Cap

Capilano University

Mobilizing Resources



Environmental stewardship projects are essential to our campus network, and most students who are working on campus in environmental stewardship activities. This is a chance to meet and connect with other students who are working on campus in environmental stewardship activities.

Groups wanting to participate should see us in the office of the Sustainability Coordinator at Capilano University.

J.B. MacKinnon on ReWilding



The 18th MacKinnon Award is the highest honor in the field of environmental stewardship. In this presentation, he talks about his work on the award-winning project, 'ReWilding: A Glimpse Into Corvid Culture'.

7:00 p.m.
Wednesday, January 20
The Shore at Capilano University
in the Birch Building

Find out more:
<http://www.capilano.ca/sustainability/Get-Involved/EarthWorks/>

Email: earthworks@capilano.ca

Dr. Mitchell Thomashow

The Future of Environmental Learning: Why It Matters



Dr. Mitchell Thomashow is the author of the book, 'The Future of Environmental Learning: Why It Matters'. He is a professor at the University of British Columbia and is currently a Fellow at the University of British Columbia.

7:00 p.m.
Wednesday, January 27
The Shore at Capilano University

The Society of Crows: A Glimpse Into Corvid Culture



Discover the life of a crow in a forest near research station. The Society of Crows is a book by Jane Yolen, a children's author, and is a great read for anyone interested in the life of a crow.

7:00 p.m.
Thursday, March 10
Bosa Screening Room

EarthWorks

Catalysts & Conservation Speaker Series Fall 2016



SEPT 27

WILD SALMON IN THE 21ST CENTURY: ENERGY, TRIAGE & CHOICES

Ken Ashley SEPT 27th, 7pm Blueshore

Our market-driven economy runs the risk of undermining the very ecological foundation on which it flourishes. If we want wild salmon, how do we prioritize the conditions for their survival?



OCT 18

CAPTURING CARBON

Geoff Holmes OCT 18th, 7pm Blueshore

In Squamish BC, a pilot project by Carbon Engineering is underway to pull CO2 out of the atmosphere – and turn it into a fuel.



NOV 1

GO LOCAL: THE STORY OF HOWE SOUND

Bob Turner NOV 1st, 7pm BOSA

After decades of industrial pollution, Howe Sound appears alive again, with the return of creatures like whales and dolphins. But large-scale plans for reindustrialization are looming including an LNG port. What happens now?



NOV 15

CREATING A CLIMATE FOR CHANGE: PIPELINE POLITICS & PROTESTS

Tzeporah Berman NOV 15th, 7pm BOSA

A generation ago Tzeporah stood with the protesters blocking the devastation of Clayquot Sound forests. Today, she compels us to take urgent action on Climate Change, and confront the economic and environmental disaster associated with fossil fuels.

EarthWorks

2015 – 2017 Series

EarthWorks

Catalysts & Conservation Spring 2017 Lectures and Events

All events are free and open to everyone



Mobilizing Resources

January 18, 4:00 p.m. to 7:00 p.m., Birch Building Cafeteria

Networking opportunity for students wanting to engage in environmental stewardship activities. Local environmental organizations will be on hand with displays and information. Refreshments will be provided.



Creating a Climate for Change Pipeline Politics and Protests

January 18, 7:00 p.m., BlueShore Theatre

Tzeporah Berman is a Canadian environmental activist and writer with 20 years of experience designing environmental campaigns.



Screening of the film *The Perfect State*

January 30, 7:00 p.m., BOSA Screening Room

Co-producer Rob Butler answers questions about the film, which looks at the lives and livelihoods of the people connected to the natural world of the Salish Sea.



Screening of the film *Primeval: Enter the Incomapleux*

February 23, 11:30 a.m., BOSA Screening Room

The past, present, and future of B.C.'s ancient forests, filmed on location deep in the heart of the Selkirk Mountains. Director Damien Gillis will be on hand to answer questions.



Capilano University Waste Audit

March 7, 8:00 a.m. to 3:00 p.m., behind the Sportsplex

During the annual waste audit, students sort recyclables, reusables, and trash to determine the volumes being generated on campus.

Students who attend 3 or more EarthWorks events will receive an EarthWorks notation on their transcript. Attendance is registered at all events.

Film Screenings & Directors

AT WHAT COST



A compelling, two-part event featuring a rough-cut film screening and a panel discussion, proudly presented by EarthWorks and Capilano University's Neil Brown Speaker's Series.

A preview of *Fractured Land*

A modern Indigenous warrior: A Goliath industry. A new way forward. Filmmakers Damien Gilks and Fiona Rayner will screen a rough cut of *Fractured Land*, which follows young First Nations lawyer Caleb Behn as he confronts the fracking industry in northeast B.C. This is a unique opportunity to see the film and to provide your feedback as the documentary nears completion.

11:30 a.m. to 1:00 p.m., Thursday, March 12
Bosa Centre for Film and Animation



What does B.C.'s energy future look like?

Exploring the impacts of fracking and related LNG development, and the proposed Site C dam, panelists will answer questions arising from the preview of *Fractured Land*. Filmmakers Damien Gilks and Fiona Rayner are joined by energy economist Eric Andersen and lawyer Maegen Gilrow to discuss B.C.'s proposed energy future.

11:30 a.m. to 1:00 p.m., Thursday, March 19
Bosa Centre for Film and Animation



CAPILANO UNIVERSITY



7 p.m.
Tuesday, Sept 30
BlueShore Financial
Centre for the Performing Arts
Capilano University

FROM THE DIRECTOR OF *MANUFACTURED LANDSCAPES*

"An innovative experience, with stunning visual language, that will transform the way you think about water, and our relationship to it."
— David A. Brown

WATERMARK

FILM BY JENNIFER SACHALIN & EDWARD BARTHOLOMEW



7 p.m.
Wednesday, October 15
BOSA Film Centre
Capilano University

A film event presented by
EarthWorks in partnership
with Fraser Riverkeeper
celebrating our connection to water



A FILM BY ZACK EMBREE & RAINCOAST CONSERVATION FOUNDATION

DIRECTLY AFFECTED

SCREENING: MARCH 16, 7-9 PM
BOSA Film Centre

Who is directly affected by the Kinder Morgan Trans Mountain Pipeline proposal currently facing British Columbians? And are their voices being heard?

USA with an expert panel including Carline Thomas, Trans Mountain First Nations, film directors Bruce Bragg and Zack Embree, Ross Bown of Raincoast, senior scientist of RBC, and chaired by Ben West of Tanager Press BC.

Presented by EarthWorks, ENPE, and RAINCOAST

DO THE MATH + THE MOVIE

COME WATCH!

FREE SCREENING

Do the Math is a fast-paced and inspiring film about the rising movement to solve the climate crisis.

TIME/DATE: 7 p.m., Wed., Jan. 14

BOSA 1
LOCATION: Capilano

ADDITIONAL DETAIL

Do the Math chronicles "America's leading in a David-vs-Goliath battle to fight the fast-terrifying math of the climate crisis. A group of activists are going after the fossil fuel industry, the people who are putting their bodies on the line. Politicians and leading scientists and the corporate polluters indifferent on turning fast

More Info at 350.org/math



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7 p.m. Wednesday, Feb. 25
The BlueShore at Cap

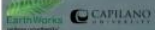
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7 p.m. Thursday, Jan. 22
The BlueShore at Cap



WINNER! TORONTO WINNER! TELLUKIDE WINNER! SUNDANCE

★★★★★

"A film that will inspire people everywhere... A MUST-SEE"



THE ISLAND PRESIDENT

www.theislandpresident.co.uk



Fostering dialogue
with open
engagement with
students and faculty
from a wide range of
disciplines




Hands-on

*The terrifying invasive
from the heart of the campus.*

IVY

PULL



November 12, 2014
10 am Cedar Courtyard **Lunch 12:00 @ Bosa 325**

IVY

Bring your own gloves and favorite tool - help rid the campus of invasive plants
 An Earthworks event sponsored by facilities
 RSVP to sustainability@capilano.ca

CAPILANO UNIVERSITY

UNIBUG GARDEN WORKSHOP
 supporting nature

Did you know that many insects control garden pests? The UNIBUG team from Douglas College will show you which insects are beneficial to your garden and how you can attract pollinators to your growing spaces. And: build a bee house to take home. Bring a 2L pop bottle or milk carton; other materials will be provided.



10 a.m. – 1 p.m.
Saturday, Jan. 31
CapU Community Garden

EarthWorks upfront.earthworks.ca **Capilano University**

BAT



conservation workshop

A lecture and bat box building workshop led by Erin Rutherford, project manager of the South Coast Bat Action Team, and volunteer Kaschelle Thiesen.

Spaces are limited. Sign up for the workshop by emailing kaschellethiesen@capilano.ca.
 For more information contact rutherford@bat.org | BC Bat Index: 1-855-933-2281 x11
 South Coast Bat Action Team bat.org | Facebook.com/SouthCoastBATS

4:00 – 7:00 p.m.
Thursday, Oct 30
Maple 101 & 102
Capilano University

a free event
 presented by
 EarthWorks



CAPILANO UNIVERSITY

PLUS: community electronics recycling dropoff

TAK- ING OUT THE TRASH



Tuesday, February 3, behind Sportsplex

Capilano Community Waste Audit

EarthWorks **CAPILANO UNIVERSITY** **SMITHVILLE**


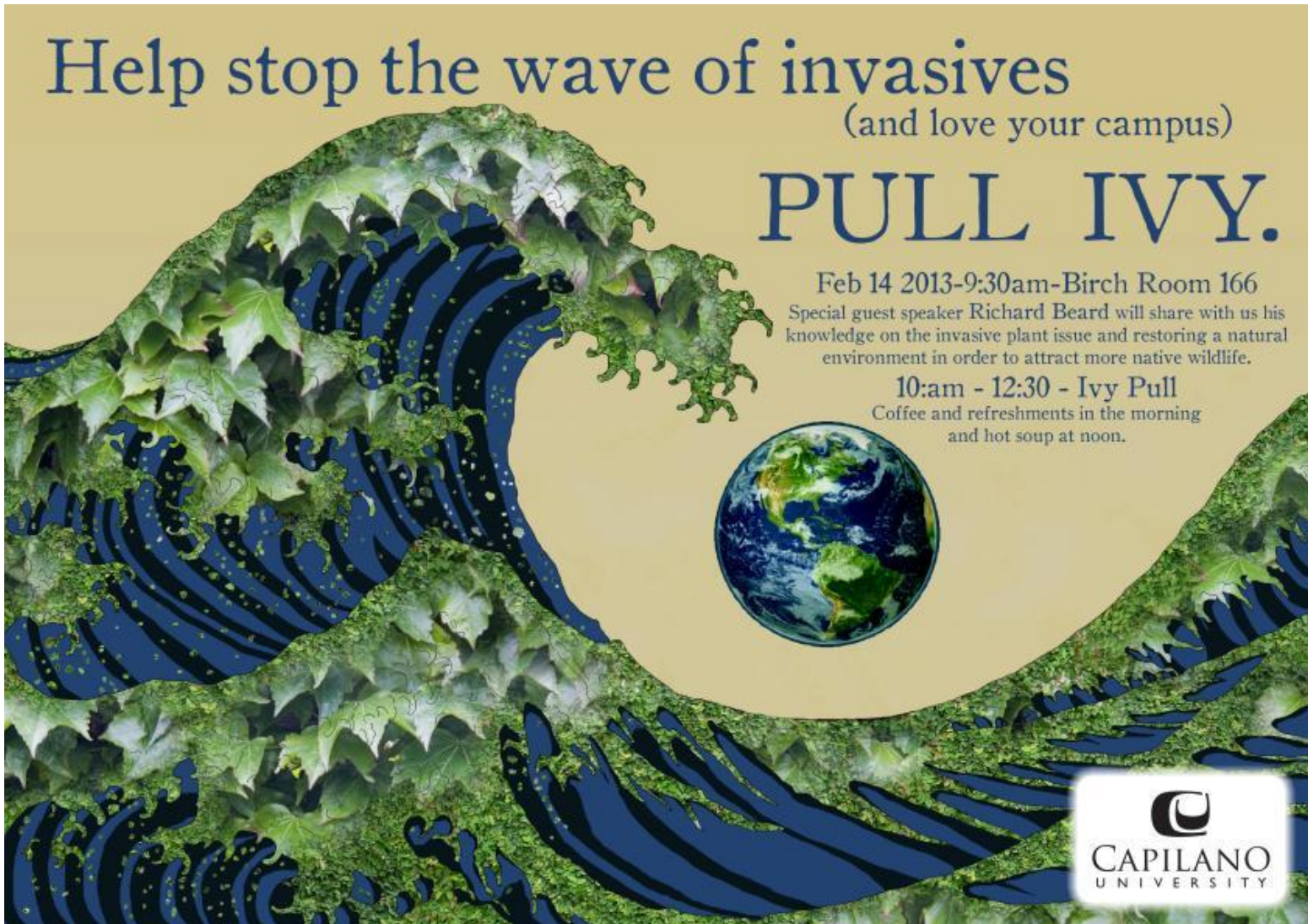
Direct Action...Invasive species removal

Help stop the wave of invasives
(and love your campus)

PULL IVY.

Feb 14 2013-9:30am-Birch Room 166
Special guest speaker Richard Beard will share with us his knowledge on the invasive plant issue and restoring a natural environment in order to attract more native wildlife.

10:am - 12:30 - Ivy Pull
Coffee and refreshments in the morning
and hot soup at noon.



Direct Action...Campus Waste Audits



Curriculum | Cross-disciplinary Learning



% BY ZERO WASTE CONTAINER TYPE

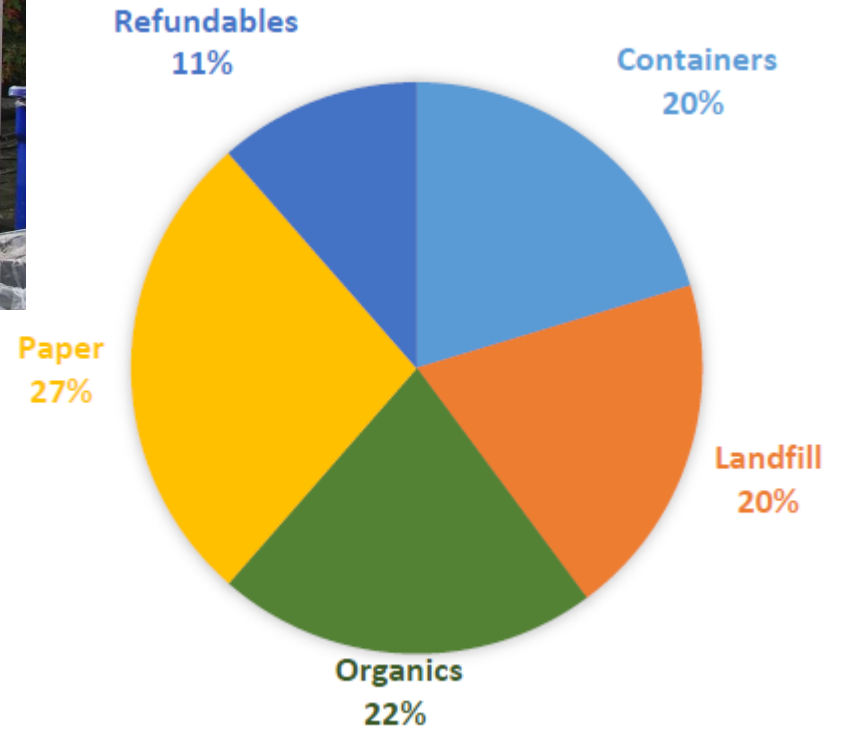


Figure 1 Percent of Streams Collected by Zero Waste Containers

Zero Waste Stations



Organics



Containers



Refundables



Mixed Paper



Landfill



Community Connections

Presented by:

International Bear Day

Join Raincoast Conservation Foundation, the North Shore Black Bear Society, Artists for Conservation, and Capilano University faculty & students as we launch the world's first International Bear Day!

Saturday April 4, 2015
CAPILANO UNIVERSITY
NORTH VANCOUVER





Family Fun Day Program 12 - 4pm, Cedar Building & Library Courtyard
Bring the family for displays, face painting, story telling, photography, art, bear safety workshop, music by B.E.A.R., and guided walk. Meet those working on bear research and conservation.

Free evening program 6.30-9.30pm - Bear conservation presentations
Blue Shore Theatre, Birch Bldg. Book Online: <http://tinyurl.com/oarkcoy>

- Robyn Appleton, Founder, Spectacled Bear Conservation Society. Spectacled Bears, Peru
- Brad Hill, Nature photographer. North American Bears - A Photo Essay

 Reducing our carbon footprint one step at a time

A free event presented by EarthWorks and the School of Outdoor Recreation

BOARDS SKIS AND SNOWSHOES

How is climate change impacting winter sports?

An informed, thoughtful, and respectful dialogue about how we can take action to protect the North Shore snow and mountains. With representatives from local ski hills and Protect our Winters (POW), and featuring **LEANNE PELOSI**, professional snowboarder, member of Snowboard Canada's Hall of Fame and one of ESPN's Top 50 Action Sports Athletes for 2014.



6:30 p.m.
Tuesday, Oct 28
Library 322
Capilano University

Register online: ccandwintersports.eventbrite.ca



MOBILIZING LOCAL VOICES

Community Partnerships & Service Learning Opportunities



An opportunity for eager Capilano University students, wanting to engage in environmental stewardship activities for their service learning courses, to connect with local environmental stewardship groups.

9:30 a.m. – 2:00 p.m., Saturday, November 15
Library Rooms 321 & 322, Capilano University

to register: eventbrite.ca/e/mobilizing-local-voices-tickets-13527696705

a free event presented by EarthWorks

capilano.ca/earthworks/



Transformation | Future Directions



