

Program

2024 Pacific Workshop on Nature-based Coastal Solutions (NbCS)

Day 1: Tuesday, October 8

11:30 17:15 **Field Trip to Burrard Inlet with Cultural Opening** (Bus pick-up and drop-off is at venue, Morris J Wosk Center for Dialogue, 580 W Hastings St)

Day 2: Wednesday, October 9

Start	End	Event	Abstract Title	Presenters	Abstract	Moderator	
07:15	08:15	Breakfast and Registration					Melissa Fong
08:15	08:45	Workshop Opening Remarks					Jessica Wilson
08:45	09:15	Workshop 1: Indigenous Coastal Climate Coalition (ICCC) Fireside Chat			Brian Hurst; Dave Johnston; Rick Shafer; Tammy Sam; Lexi Kosmides; Josh Bryce;	-	ICCC
09:15	09:20	Stretch Break					
09:20	10:20	Session 1: NbCS Design					
			How do Geomorphic Conditions Inform Site Selection and Design for Nature-based Shoreline Protection?	Pauline Martens	1	David Forde	
			Effects of Scale in Design: Three Case Studies in the Pacific Northwest	Grant Lamont	2		
			Intro to NRC Design Guidelines	Enda Murphy	3		
			Sediment-based Solutions for Coastal Flood and Erosion Risk Management – a Summary of Recent Canadian Guidance	Phil Osborne	4		
10:20	10:45	Refreshment Break					
10:45	11:50	Session 2: NbCS Case Studies - Salt Marsh					
			Building a Living Dike in Boundary Bay, BC	Evan Elder; Miriam Marshall	5	Grant Lamont	
			Field Trials on a Living Dike in BC: Wave Attenuation of Edge Treatment Features*	Braydon Foster	6		
			Will Natural Forcing Factors Limit the Success of the Living Dyke at Boundary Bay?	Gwyn Lintern	7		
			Sturgeon Bank Sediment Enhancement Pilot Project Case Study – Year 2 Updates	Eric Balke	8		
			Piloting Process-based Marsh Creation Approaches in the Fraser River Estuary	Daniel Stewart	9		
11:50	12:50	Lunch Break					
12:50	13:35	Session 3: NbCS Case Studies In Action					
			Esquimalt Gorge Park: a Case Study in NbS and Collaboration	DG Blair; Megan Turnock	10	Clayton Hiles	
			From Peak to Pelagic: Adapting with Coastal Climate Change through Eco-cultural Restoration	Benji Eisenberg	11		
			San Diego Coastal Resilience Master Planning: NbS Across the City's Coastline	Jason Gyokery	12		
13:35	13:40	Stretch Break					
13:40	14:40	Workshop 2: Eco-cultural Marsh Restoration as NbCS in Salish Sea Estuaries			Dominic Janus; Tim Clermont; Marianne Fish; Darwyn Moffat-Mallet	13	Sarina Clay-Smith
14:40	15:10	Refreshment Break					
15:10	16:10	Workshop 3: Regulatory Challenges and Opportunities for NbCS					
			Regulatory Permitting Primer for NbCS Projects	Mika Davis	14	Becca Kordas	
			Regulatory Challenges to Restoration and Nature-based Coastal Projects	Becca Kordas	15		
			DFO Regulatory Framework to Restoration Projects	Andrew McInnis	16		
16:10	16:15	Stretch Break					
16:15	17:00	Session 4: Innovative Tools for NbCS					
			Resilient Coasts for Salmon: Supporting Coastal Resilience with Shoreline Mapping	Kyla Sheehan	17	Mika Davis	
			Seeing through Satellites, Stories and Streets: Addressing Data Scarcity to Contextualize NbS in the City	Ana Polgar	18		
			Advancing NbCS with DHI's Coastal Mapper – Marine Habitats	Meven Huiban	19		
17:00	17:10	Closing Remarks Day 2					Jessica Wilson
17:10	18:00	-					
18:00	21:00	Social Event at Steamworks Brewpub (375 Water St, Vancouver, BC)					

Note: Session presentations marked with an asterisk (*) are rapid format (3 minute presentation and 2 minutes for questions).

Day 3: Thursday, October 10

Start	End	Event	Abstract Title	Presenters	Abstract	Moderator	
07:15	08:15	Breakfast					Melissa Fong
08:15	08:25	Opening Remarks Day 3					Jessica Wilson
08:25	09:25	Session 5: NbCS Case Studies - Sediment Based Projects					Enda Murphy
			Progress on the Design of a Dynamic Revetment at Tsulquate, BC	Clayton Hiles	20		
			Birch Bay – The Puget Sound Region’s Largest Gravel Beach Nourishment/Restoration Project	Jim Johannessen	21		
			RE:BEACH - Unsticking Oceanside's Sediment Challenge	Daniel Dedina	22		
			Lessons Learned from the Implementation and Monitoring of Nature-based Design Solutions in Southern California	Brian Leslie	23		
09:25	09:30	Stretch Break					
09:30	10:30	Workshop 4: Comparison of NbCS in Canada and the United States - A Collaborative Presentation and Discussion			Veronique Bourgault; Morgan Tidd; Jessica Cote; Jessica Wilson; Grant Lamont	24	Veronique Bourgault
10:30	11:00	Refreshment Break					
11:00	12:00	Session 6: NbCS Case Studies - Approaches with Co-benefits					Rebecca Martone
			Decolonizing Planting: What is a Weed? Climate Change, Resiliency and Native Plantings	Chelsey Schmidtke	25		
			Upstream NbS for Downstream Ecosystem Health	Julie McManus	26		
			Collaborative Exploration of Novel Bull Kelp (<i>Nereocystis luetkeana</i>) Restoration Techniques in an Urban Ecosystem	Camryn Good; Lindsey Ogston	27		
			Blue Carbon Canada	Julia Baum	28		
12:00	13:00	Lunch Break					
13:00	13:45	Session 7: NbCS Case Studies - Local Sites					Patrick Joynt
			Colquitz Park: Applying Green Shores Principles in an Estuarine Environment in Southern Vancouver Island	Eric Finney	29		
			Developing Nature-based Design Alternatives to Conventional Seawalls in False Creek	Megan Vaughan; Kait McGeary	30		
			Working Towards Long Term Nature-based Shoreline Restoration at Whey-ah-Wichen (Cates Park), BC	Arthur Deneffe; Pauline Martens	31		
13:45	14:10	Session 8: Capacity Building for NbCS					Jamie Sager
			An Introduction to the Certified Coastal Professional Program	Susan Davidson	32		
			A Vision for a Transdisciplinary Coastal Systems Engineering Academic Program in BC*	Enda Murphy	33		
			Communication of NbS Designs and Co-benefits at Green Shores® Demonstration Sites*	Kelly Loch	34		
14:10	14:15	Stretch Break					
14:15	15:00	Session 9: NbCS Case Studies - Lessons Learned					Megan Vaughan
			A Case Study on Design, Permitting, Engagement, and Funding Complexities: Mermaid Creek Marsh Restoration	Jessica Wilson	35		
			Lessons Learned in Three Innovative BC NbCS	Michael Tranmer	36		
			Design for Resilience: Integrating Ecology, Culture, and Community in Coastal Parks and Infrastructure	Sarah Primeau	37		
15:00	15:30	Refreshment Break					
15:30	16:30	Workshop 6: Advancing NbCS Through Collaboration - Roles and Opportunities for the National and Pacific NbCS Community of Practice			National and Pacific NbCS Community of Practice	11	Alexandra Forsythe; Neville Berard
16:30	16:45	Workshop Closing Remarks and Cultural Closing					Jessica Wilson

Note: Session presentations marked with an asterisk (*) are rapid format (3 minute presentation and 2 minutes for questions).