

Design Flood Hydrology (DFH) for BC Natural Resource Professionals

	Topic	Description	Speaker	Time	
				Start Time	Presentati on Time
1.	Introduction and Welcome	Objectives – increase understanding of climate change risks to natural resource infrastructure and what professionals are doing to address them	Brian Chow	8:30	10
2.	APEGBC	Overview of APEGBC activities to support professionals in adaptation to climate change	Harshan Radhakrishnan	8:40	10
3.	ABCFP	Overview of ABCFP activities to support professionals in adaptation to climate change	Megan Hanacek	8:50	10
4.	Current Practices in DFH	What practitioners are doing now for developing design flood hydrology – regional analysis & rationale formulae	Lee Deslauriers	9:05	20
5.	Climate change and BC hydrology	Climate change effects on BC hydrology; problems associated with non-stationarity; PCIC role; what information (data) and tools are available and where	Francis Zwiers	9:25	30
6.	Break			9:55	15
7.	Hydrology and CC	Flood processes and problems in developing design flood hydrology – current methods and climate change implications	Paul Whitfield	10:10	30
8.	MOTI – CC initiatives overview	Overview of MOTI CC engineering activities	Mike Sullivan	10:40	15
9.	Design Flood Hydrology	What Northwest Hydraulics has been doing in developing design flood hydrology in the context of climate change	Des Goold	10:55	30
10.	Clear water versus dirty water floods	Traditional DFH and geomorphological processes in a changing climate	Matthias Jakob	11:25	30
11.	Lunch	Provided		11:55	45
12.	Exercise + debrief	Exercise + debrief	Matthias Jakob; Paul Whitfield	12:40	40
13.	Resilient design	Structure alternatives and integration of resilience in the context of climate change	Lee Deslauriers	13:20	30
14.	Exercise + debrief		Lee & Paul	13:50	30
15.	Break	coffee top-up		14:20	10
16.	Panel Q&A	Participant questions	Des, Paul, Lee, Matthias, Francis	14:30	30
17.	Next Steps	What will be important as we move forward?	Harshan, Kathy	15:00	20
18.	Wrap-up + Debrief		Brian Chow	15:20	10
19.	Adjourn			15:30	