

Scott Boettcher

From: Williams, Brian W (DFW) <Brian.Williams@dfw.wa.gov>
Sent: Friday, November 04, 2011 12:04 PM
To: Dewell, Jane (ORA)
Subject: FW: confirmation for spawning periods for Chum and Coho in site tributaries

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fyi

From: Williams, Brian W (DFW)
Sent: Thursday, September 22, 2011 11:49 AM
To: Gray, Melinda
Subject: RE: confirmation for spawning periods for Chum and Coho in site tributaries

You need to sample the entire spawning period. Weekly is preferred. At a minimum every 2 weeks.

From: Gray, Melinda [<mailto:Melinda.Gray@amec.com>]
Sent: Thursday, September 22, 2011 11:43 AM
To: Williams, Brian W (DFW)
Subject: RE: confirmation for spawning periods for Chum and Coho in site tributaries

Do you also need to know exactly when? Specifically, do we need to sample throughout the entire 3 month spawning period?

Thanks!

From: Williams, Brian W (DFW) [<mailto:Brian.Williams@dfw.wa.gov>]
Sent: Thursday, September 22, 2011 11:40 AM
To: Gray, Melinda
Subject: RE: confirmation for spawning periods for Chum and Coho in site tributaries

I think you need to address both. Do they spawn in the creek and where.

From: Gray, Melinda [<mailto:Melinda.Gray@amec.com>]
Sent: Thursday, September 22, 2011 10:41 AM
To: Williams, Brian W (DFW)
Subject: RE: confirmation for spawning periods for Chum and Coho in site tributaries

Thanks Brian,

Would you suggest continuing the spawner surveys throughout the entire duration of the spawning period? More specifically, do you want us to answer the question "Do chum or coho spawn in the creek" or are we looking for more specific information such as a temporal/spatial distribution of spawning?

Melinda

From: Williams, Brian W (DFW) [<mailto:Brian.Williams@dfw.wa.gov>]
Sent: Thursday, September 22, 2011 9:20 AM
To: Gray, Melinda
Subject: FW: confirmation for spawning periods for Chum and Coho in site tributaries

Here is Jeff's spawning window guidance for chum and coho. I would base your spawner surveys based on these windows.

From: Kamps, Jeffrey W (DFW)
Sent: Thursday, September 22, 2011 8:56 AM
To: Williams, Brian W (DFW)
Subject: RE: confirmation for spawning periods for Chum and Coho in site tributaries

SPECIES	LIFE STAGE	MONTH																	
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec						
CHUM	Adult Migration																		
	Spawning																		
	Incubation																		
	Juvenile Outmigration																		
COHO	Adult Migration																		
	Spawning																		
	Incubation																		
	Juvenile Outmigration																		

This is clearly based on flows in smaller tributaries.

Jeff

From: Williams, Brian W (DFW)
Sent: Wednesday, September 21, 2011 3:32 PM
To: Kamps, Jeffrey W (DFW)
Subject: FW: confirmation for spawning periods for Chum and Coho in site tributaries

When do you generally expect coho and chum adults to be spawning in Whatcom coastal streams?

From: Gray, Melinda [<mailto:Melinda.Gray@amec.com>]
Sent: Wednesday, September 21, 2011 3:00 PM
To: Williams, Brian W (DFW)
Cc: Ruff, Casey
Subject: confirmation for spawning periods for Chum and Coho in site tributaries

Hi Brian, as we discussed on the phone earlier this afternoon, we intend to conduct adult spawner surveys for chum and coho in stream 1 at the Gateway Pacific Terminal site. Can you please confirm the anticipated spawning period for that stream?

Thanks,

Melinda
 245-368-0967

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