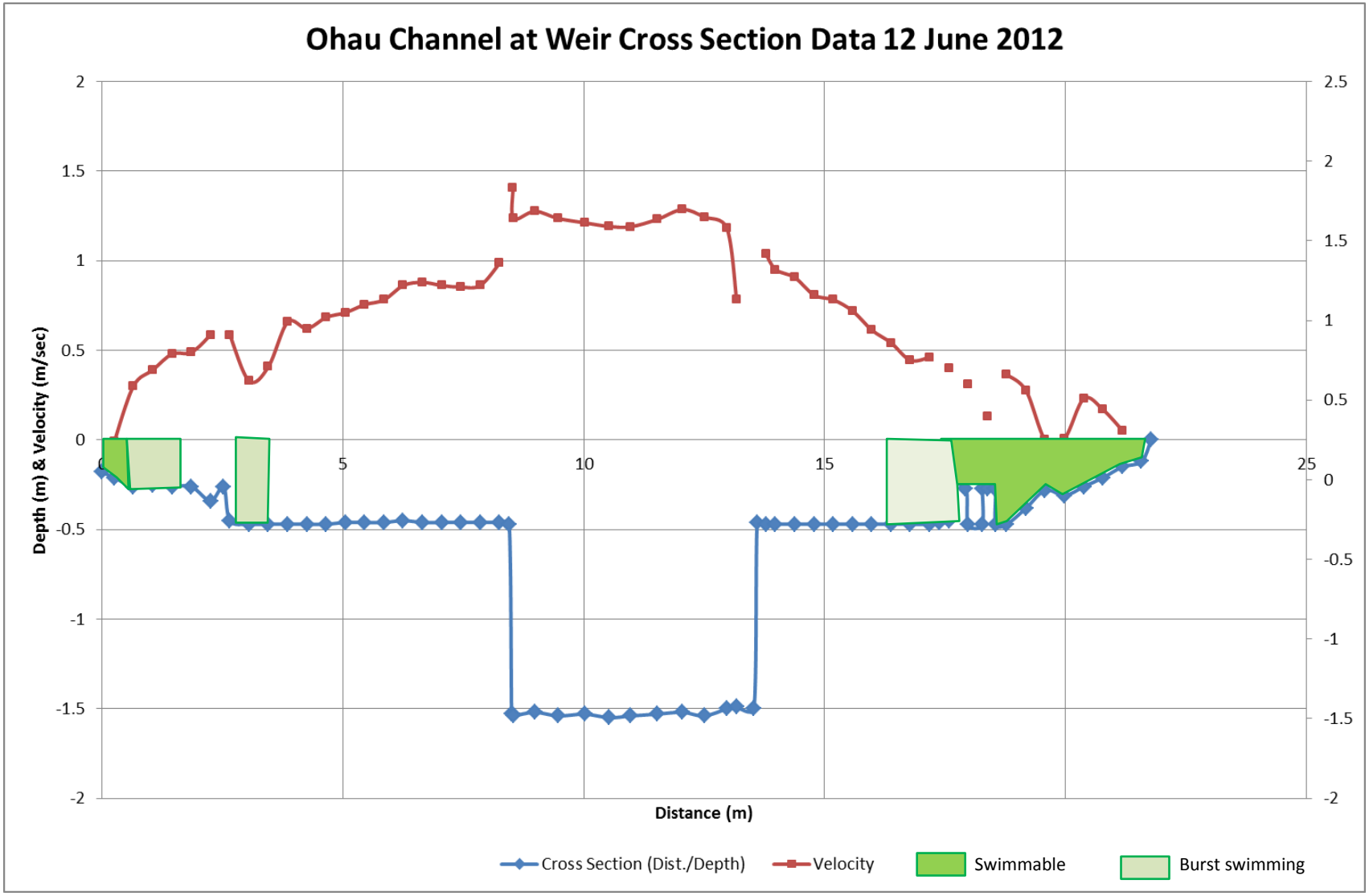
Ohau Channel at Weir Cross Section Data 12 June 2012
Depth (m) & Velocity (m/sec)
Distance (m)
2
1.5
1
0.5
0
-0.5
-1
-1.5
-2
2.5
2
1.5
1
0.5
0
-0.5
-1
-1.5
-2
5
10
15
25
Cross Section (Dist./Depth)
Velocity
Swimmable
Burst swimming

Jenny Clarke

From: Andy Bruere
Sent: Monday, 14 October 2013 12:03 p.m.
To: Jenny Clarke
Subject: FW: Ohau Weir stop logs
Attachments: Smelt passage Ohau Channel.pptx

HI Jenny,

Can you put this email and attachement on the fish site and email to the fish panel.

Thanks,

Andy Bruere | Lake Operations Manager | Bay of Plenty Regional Council | Rotorua, New Zealand | Ph: 0800 884 881 x7497 | Web: www.boprc.govt.nz

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From: Dave Rowe [mailto:Dave.Rowe@niwa.co.nz]
Sent: Tuesday, 18 December 2012 2:07 p.m.
To: Andy Bruere
Subject: RE: Ohau Weir stop logs

Thanks for the data Andy,

I've attached the cross section profile provided (on a power point slide) showing where adult smelt could maintain steady upstream passage (based on data on max. velocities). In essence, they can make steady progress where velocities are lower than 0.27 m/s (green shaded area), and they can swim at velocities of 0.27 to 5 m/s and make upstream progress, but only for short periods (bursts) and hence distances (e.g. < 5 m). The cross sectional area through which they can swim upstream across the weir is much greater on one side than the other. Both areas are in very shallow meaning that the smelt will be highly vulnerable to predators (ttout and seagulls) as they move past the weir. The data on the swimming abilities of smelt are for adult smelt. As juveniles are expected to require slower water velocities, they will have a smaller cross section through which they can pass the weir. Be interesting to see what the situation is with the logs in>
Cheers
Dave

From: Andy Bruere [mailto:Andy.Bruere@envbop.govt.nz]
Sent: Monday, 17 December 2012 10:25 a.m.
To: Dave Rowe
Subject: FW: Ohau Weir stop logs

Hi Dave,

Previous advice re stop logs was wrong,

They were out during the gauging event,

Cheers,

Andy Bruere | Lake Operations Manager | Bay of Plenty Regional Council | Rotorua, New Zealand | Ph: 0800 884 881 x7497 | Web: www.boprc.govt.nz
Please consider the environment before printing this email

From: Graeme ORourke
Sent: Monday, 17 December 2012 10:24 a.m.
To: Andy Bruere
Subject: RE: Ohau Weir stop logs

Stoplogs were out on that occasion.

Kapai

Graeme ORourke | Principal Engineering Surveyor | Bay of Plenty Regional Council | Whakatane, New Zealand | Ph: 0800 884 881 x9521 | Web: www.boprc.govt.nz
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From: Andy Bruere
Sent: Monday, 17 December 2012 10:00 a.m.
To: Graeme ORourke
Subject: Ohau Weir stop logs

HI Graeme,

Craig Putt has given me some gauging info for Ohau Weir on the 12 June 2012. Can you tell me whether the stop logs we in place on that day please,

Cheers,

Andy Bruere | Lake Operations Manager | Bay of Plenty Regional Council | Rotorua, New Zealand | Ph: 0800 884 881 x7497 | Web: www.boprc.govt.nz
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