









			7(N - 43)	Riceman	2008)	
Captu	re	Predicte	d lake			
lake	Rot	orua	Rotoiti	Perc	ent corr	ect
Rotorua		29	1		97	
Rotoiti		0	13		100	
Total	/	29	14		98	
Classific	cation fun	ctions		sart Rb	sart Sr	sqrt E
Lake	Constant	sqrt Mn	sqrt Zn	bqitito	- que su	· ·
Lake Rotorua	Constant -233.286	sqrt Mn 10.723	4.650	23.309	17.363	-15.01

Place of capture	Predicted	lake of origin	(number)	Predicted lak	e of origin (%)
	Rotoiti	Rotorua	Total	Rotoiti	Rotorua
Ohau Channel	2	30	32	6	94
Rotoiti	6	41	47	13	87
Rotorua	4	28	32	13	88
Total 2009-201	12	99)4)	111	11	89
Total Contemporation 1 Total Contemporation 2009-201 Place of capture	$\frac{12}{0 (N = 10)}$	99)4) lake of origin	111 (number)	11 Predicted lak	89 e of origin (%)
Total 2009-201 Place of capture	$\frac{12}{0 (N = 10)}$ Predicted Rotoiti	99)4) ake of origin Rotorua	111 (number) Total	11 Predicted lak Rotoiti	89 e of origin (%) Rotorua
Total • 2009-201 Place of capture Ohau Channel	12 .0 (N = 10 Predicted Rotoiti 0	99)4) ake of origin Rotorua 2	111 (number) Total 2	11 Predicted lak Rotoiti 0	89 e of origin (%) Rotorua 100
Total • 2009-201 Place of capture Ohau Channel Rotoiti	12 O (<i>N</i> = 10) Predicted Rotoiti 0 20	99)4) lake of origin Rotorua 2 37	111 (number) Total 2 57	11 Predicted lak Rotoiti 0 35	89 Re of origin (%) Rotorua 100 65
Total • 2009-201 Place of capture Ohau Channel Rotoiti Rotorua	12 .0 (N = 10 Predicted Rotoiti 0 20 7	99 D4) ake of origin Rotorua 2 37 38	111 (number) Total 2 577 45	11 Predicted lak Rotoiti 0 35 16	89 e of origin (%) Rotorua 100 65 84





Smelt classification to lake from otolith edge

• 2005-2008 (*N* = 116)

Actual	Predicte	ed group	
group	Rotoiti	Rotorua	Percent correct
Rotoiti	90	36	71
Rotorua	34	80	70
Total	124	116	71

• Classification functions

Lake	Constant	sqrt Mn	sqrt Zn	sqrt Sr	sqrt Ba
Rotoiti	-215.212	-7.241	2.455	15.417	-12.814
Rotorua	-231.567	-5.411	2.053	16.070	-13.862

9

2005-20	07 (N = 2	122)				
Capture	Predict	Predicted origin (number)			Predicted origin (%)	
location	Rotoiti	Rotorua	Total	Rotoiti	Rotoiti Rotorua	
Rotoiti	6	52	58	10	90	
Rotorua	5	59	64	8	92	
Total	11	111	122			
2000 (N	- 126)					
Capture	Predicte	ed origin (n	umber)	Predicted	origin (%)	
Capture location	Predicte Rotoiti	ed origin (n Rotorua	umber) Total	Predicted Rotoiti	origin (%) Rotorua	
Capture location Rotoiti	Predicte Rotoiti 28	ed origin (n Rotorua 55	umber) Total 83	Predicted Rotoiti 34	origin (%) Rotorua 66	
Capture location Rotoiti Rotorua	Predicte Rotoiti 28 5	ed origin (n Rotorua 55 38	umber) Total 83 43	Predicted Rotoiti 34 12	origin (%) Rotorua 66 88	



