



Tweed Sea-trout at Sea

Ronald Campbell, The Tweed Foundation



Tweed Sea-trout have long been known to be different from other Sea-trout on the Scottish East coast

They are much larger, both on average and in the sizes they can reach.

They are more like those of the Northumbrian and Yorkshire rivers to the south



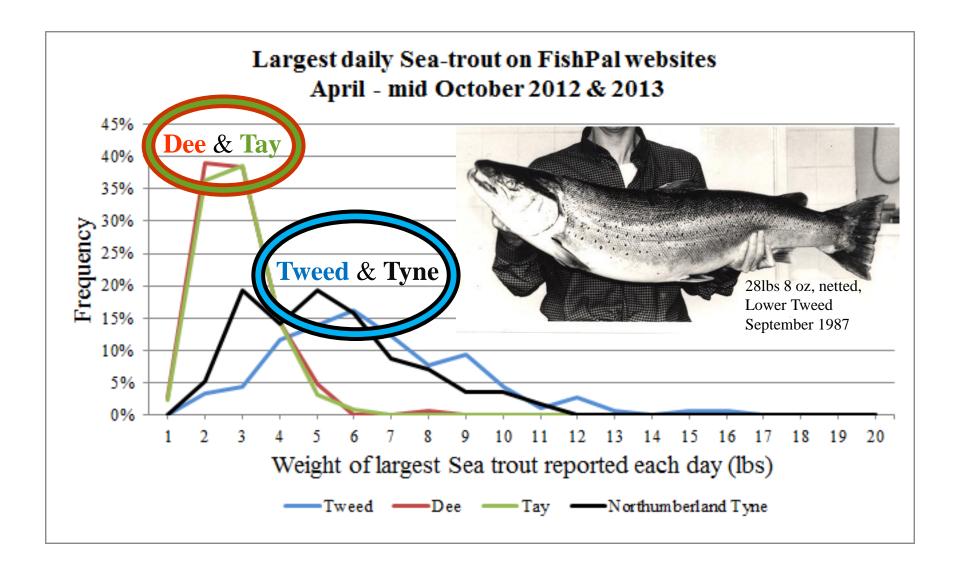


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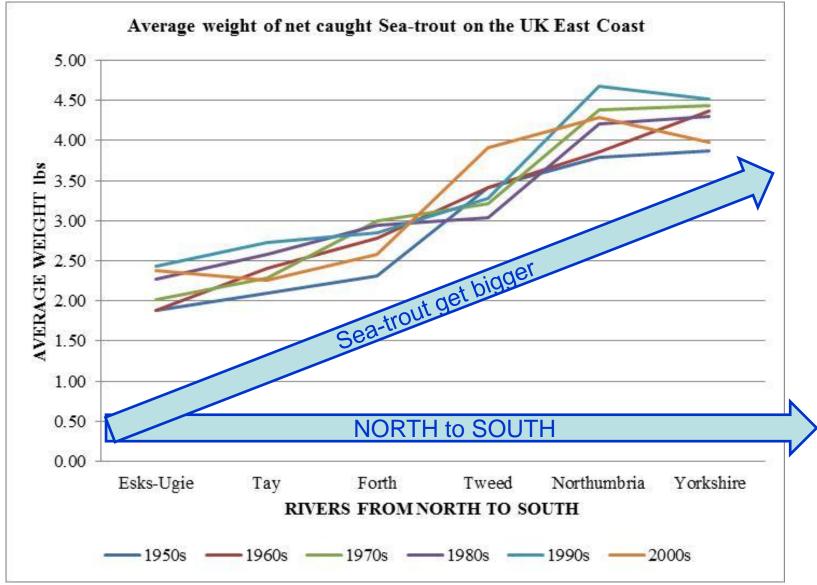








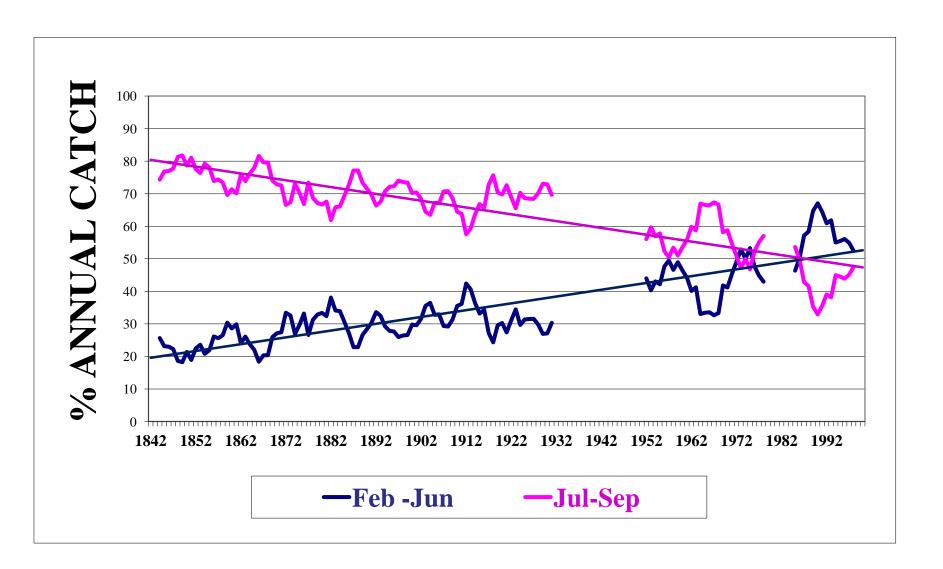
Average sizes of Sea-trout from netting data







SEASONAL DISTRIBUTION OF TWEED SEA-TROUT NET CATCHES







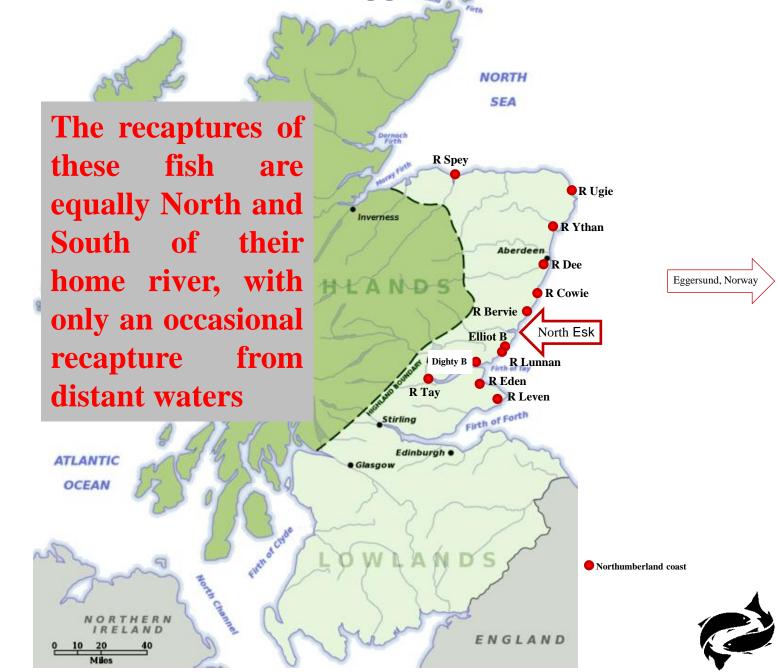
The marine migration of Tweed Sea-trout is, again, more like those of the Northumbrian and Yorkshire rivers to the south than those of the Scottish rivers to the North





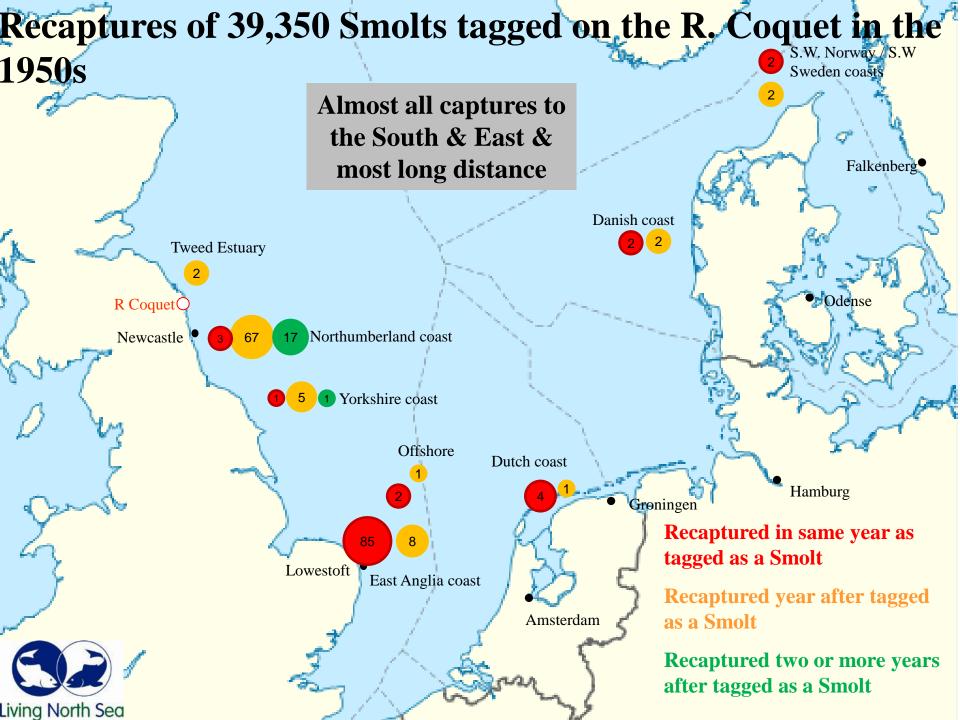
Movements of Sea-trout smolts tagged in the R. North Esk

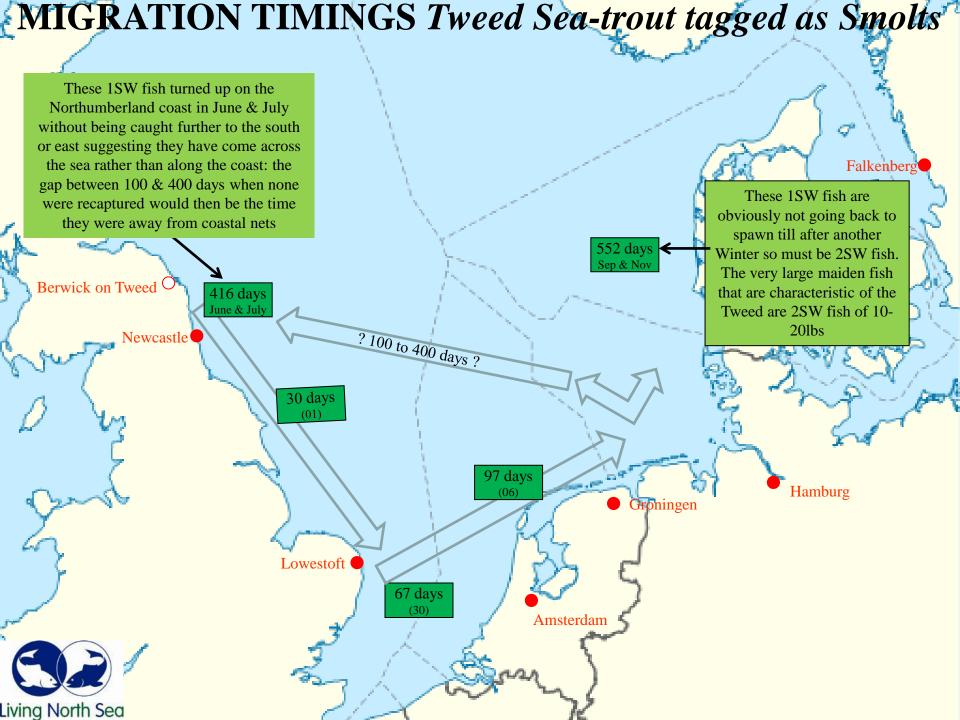
1976-81



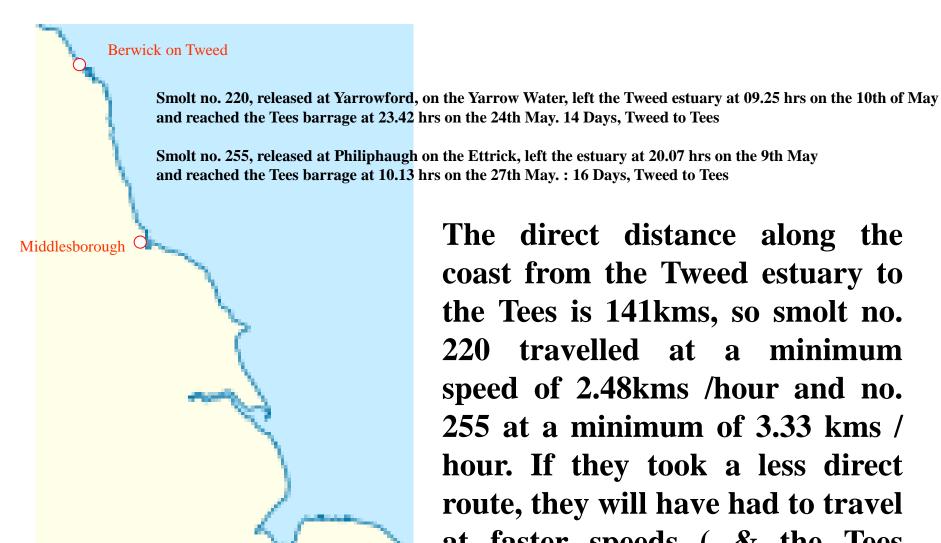


AREAS WHERE TWEED SEA-TROUT TAGGED AS SMOLTS RECAPTURED 18,504 Smolts tagged on the R. Tweed in the 1950s North Esk Jutland **TWEED** Berwick on Tweed The Frisian Islands) Hamburg East Anglia Amsterdam Living North Sea



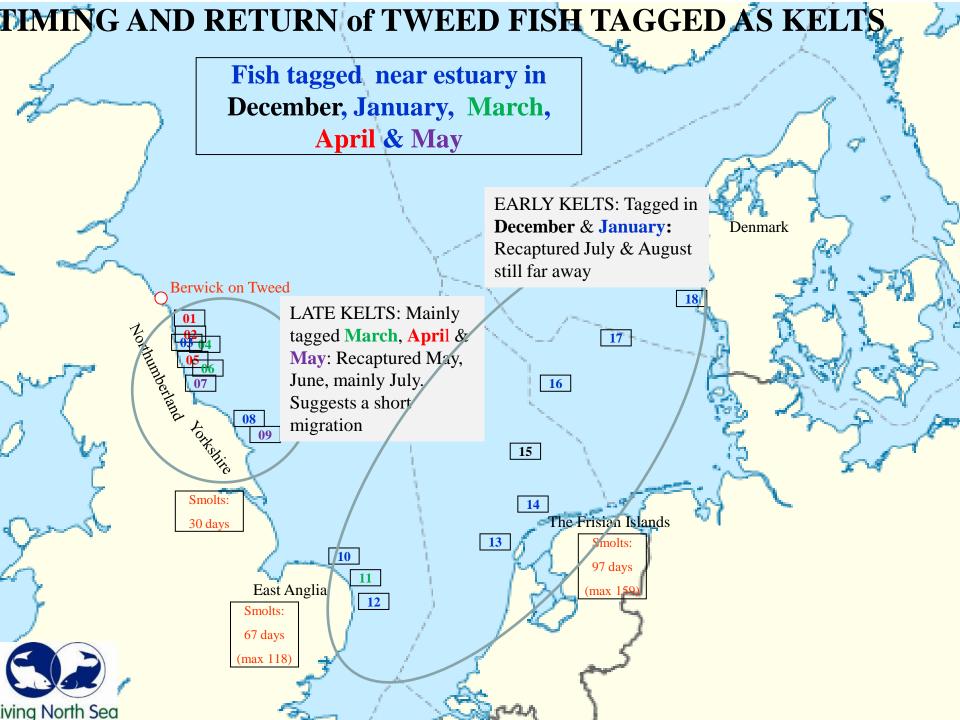


NEW WAY? ACOUSTIC TAGGING AT SEA



Livina North Sea

coast from the Tweed estuary to the Tees is 141kms, so smolt no. 220 travelled at a minimum speed of 2.48kms /hour and no. 255 at a minimum of 3.33 kms / hour. If they took a less direct route, they will have had to travel at faster speeds (& the Tees barrage is 20km upriver)

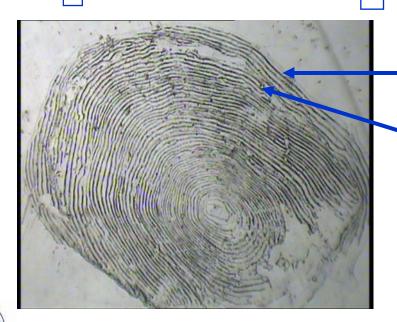


BACK IN THE TWEED: LATE KELTS return time:

At sea for 2 - 4 months: how far can they go in that time?

TAGGED AS KELTS			RECAPTURED AS SEA-TROUT			Total Days
Date Tagged	Netting Station	mm	Date Recaptured	Netting Station	mm	absent
1994/04/21	Whitesands	430	1994/07/20	Sandstell	465	90
1994/ <mark>04/</mark> 28	Whitesands	560	1994/08/01	Toddles	625	95
1994/ <mark>04/</mark> 28	Whitesands	460	1994/08/08	Sandstell	535	102
1995/03/31	Gardo	540	1995/06/28	Gardo	575	89
1995/ <mark>04/</mark> 03	Canny	510	1995/06/13	Toddles	535	61
1996/ <mark>04/</mark> 15	Canny	605	1996/08/14	Sandstell	665	121
				-		

Smolts
average 67
days to East
Anglia [there
and back therefore
= 134 days]

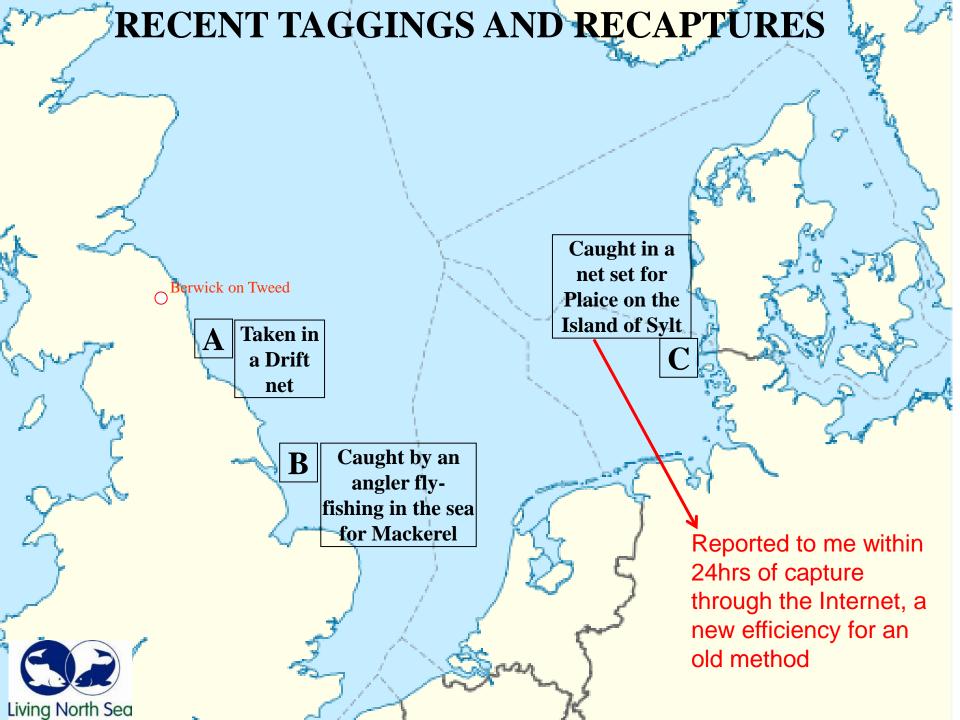


Living North Sea

Caught, Sandstell, 20th July 1994, 465mm length

Tagged, Whitesands, as kelt, 21st April 1994, 430mm length



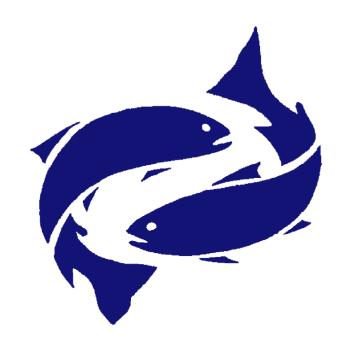






Tillmouth, 16lb (7.3kg) Sea-trout, 18th June 2007







The Interreg IVB
North Sea Region
Programme

