Preliminary results of eel translocation in the Oria river (Basque Country)

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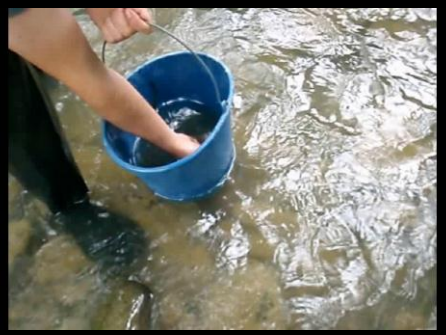
AIM: Determine the effectiveness of 3 translocation methods

GLASS EELS from fishery (23th January 2012)

Directly 1



2

45 days growing (9th March 2012)

3

Orbeldi

ELVERS from the eeltrap (6-8th June 2011))

Oria
Urusaran
Agauntza

	1. ORIA Glass eel	2. AGAUNTZA Elver	3. URSUARAN Elver
Total weight (Kg)	3.2	1.7	5.1
Indiv. Weight (g)	0.299	0.360	2.1 (0.2-7.7)
Size (cm)	7.03	6.77	11.5
Surface (Ha)	0.48-0.56	0.60	0.415
Density (eel/Ha)	5800-6800	2861	5804

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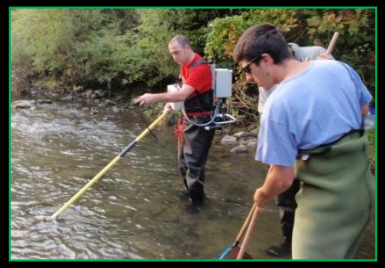
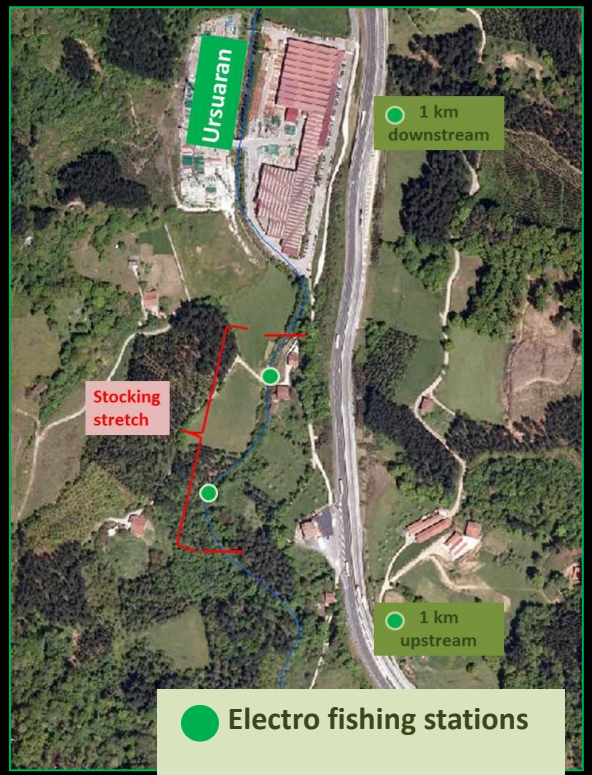
3

ELVERS
From the eeltrap
(6-8th June 2011)
5.1 kg

42 days
111 days



	3. URSUARAN		
	Translocation (June 2011)	42 days after	111 days after
N Eels	2410	21	12
Density (eel/ha)	5807	580 (378-717)	508 (415-624)
Recapture rate (%)		10 (7-12)	**9 (7-11)**
Eel average weight (g)	2.1 (0.2-1.7)	1.7 (0.3-3.8)	4.5 (2.0-8.0)
Eel average size (cm)	11.5 (6.7-16.8)	10.5 (6.9-14.5)	13.5 (9.8-16.4)



Preliminary Results (111 days)

- **9% of the elvers from the trap have been recaptured; therefore this is the Minimal Survival Rate.**
- **The average weight and size have increased indicating that eels are growing.**

To be continued…

- **Follow the monitoring of the 3 translocation methods by electric fishing surveys.**
- **New studies with marck-recapture to determine individual growth and survival.**

ACKNOWLEDGEMENTS: Project founded by Fundación Biodiversidad the Provincial Council of Gipuzkoa (Diputación Foral de Gipuzkoa) and the Basque Water Agency (URA). A.Aranburu benefits from a Ph.D scholarship granted by the Department of Environment, Territorial Planning, Agriculture and Fisheries of the Basque Government.