

## Mulkear LIFE – Full List of Project Actions

<b>Mulkear LIFE – Full List of Project Actions</b>	
<b>A Actions: Preparatory Actions, Elaboration of Management Plans and / or of Action Plans</b>	
<b>Action</b>	<b>Description</b>
<b>A1</b>	<b>Management Plan for the Mulkear</b>
<b>A2</b>	<b>Enhancement of Salmon populations and biodiversity Considerations of habitat restoration for Sac's</b>
<b>A3</b>	<b>Management of upstream passage issues sea lamprey and monitoring of adult lamprey for SAC's</b>
<b>A4</b>	<b>Management guideline for otter in SAC's</b>
<b>A5</b>	<b>Management of riparian zones for riverine SAC's</b>
<b>A6</b>	<b>Guide to sustainable water management on farms in close proximity to SAC's</b>
<b>A7</b>	<b>Detailed Habitat Development plan for Newport and Bilboa River</b>
<b>B Actions: Land Purchase / Lease – Not Applicable to Mulkear LIFE</b>	
<b>C Actions: Concrete Conservation Actions</b>	
<b>Action</b>	<b>Description</b>
<b>C1</b>	<b>River habitat restoration for Atlantic salmon in a drained section of the main river channel (Mulkear)</b>
<i>C1 (a)</i>	<i>Need walk over survey and pre-enhancement work fish stock surveys (Sunville to Abington)</i>
<b>C2</b>	<b>River habitat restoration for Atlantic salmon in a drained section of the Newport and Bilboa River</b>
<i>C2 (a)</i>	<i>Some work done but need pre-enhancement fish stock surveys (16.5 km Newport (Annagh); 10.2km Bilboa)</i>
<b>C3</b>	<b>Easement of sea lamprey passage by retrofitting and modification of two fish passes and customisation of weir to facilitate lamprey passage</b>
<b>C4</b>	<b>Action for otters (Reintroduction of habitat for otters)</b>
<i>C4 (a)</i>	<i>10 artificial holts on Mulkear (Dromkkeen to Abington)</i>
<i>C4 (b)</i>	<i>Survey of otter usage pre and post work</i>
<b>C5</b>	<b>Control and subsequent removal of Giant Hogweed and Japanese knotweed (local area)</b>
<i>C5 (a)</i>	<i>The efficiency and suitability of mechanical methods tested at specific locations</i>
<b>C6</b>	<b>Control and subsequent removal of Giant Hogweed and Japanese knotweed (OPW area)</b>
<b>C7</b>	<b>Control and subsequent removal of Himalayan balsam</b>
<b>C8</b>	<b>Replacement of coniferous forest with natural broadleaf vegetation along stretches planted with coniferous forest</b>
<i>C8 (a)</i>	<i>Monitoring to develop guidelines for management improvement; Linked with task E7</i>
<b>C9</b>	<b>Improvement of water quality in areas affected by cattle disturbance due trampling and faecal disturbance</b>
<i>C9 (a)</i>	<i>Monitoring with invertebrate to test effectiveness; Linked with task E8</i>

**Mulkear LIFE – Full List of Project Actions (Continued)**

<b>D Actions: Public Awareness &amp; Dissemination of Results</b>	
<b>Action</b>	<b>Description</b>
<b>D1</b>	<b>Create awareness amongst the community: Public awareness and participation workshops (Initiated)</b>
<i>D1 (a)</i>	<i>4 community workshops</i>
<b>D2</b>	<b>Create awareness amongst school kids</b>
<i>D2 (a)</i>	<i>10 primary school and 5 secondary school visits per year</i>
<b>D3</b>	<b>Educational lectures</b>
<i>D3 (a)</i>	<i>8 lectures per year</i>
<b>D4</b>	<b>Development and management of website, with an educational dimension, including volunteer census activity</b>
<i>D4 (a)</i>	<i>Tag lamprey for web site</i>
<i>D4 (b)</i>	<i>1 web article per 2 months for 24 articles</i>
<b>D5</b>	<b>Media activity relating to education and community monitoring actions</b>
<b>D6</b>	<b>Development of information brochures/newsletters and signage about the project</b>
<i>D6 (a)</i>	<i>8 press releases</i>
<i>D6 (b)</i>	<i>6 press releases</i>
<i>D6 (c)</i>	<i>6 press releases</i>
<i>D6 (d)</i>	<i>6 press releases</i>
<i>D6 (e)</i>	<i>6 press releases</i>
<i>D6 (f)</i>	<i>4 articles in glossy magazines</i>
<i>D6 (g)</i>	<i>Radio interviews (&gt;4 national, 8 local)</i>
<i>D6 (h)</i>	<i>TV programmes (2)</i>
<b>D7</b>	<b>Brochures</b>
<i>D7 (a)</i>	<i>1st one at initial project start (project description)</i>
<i>D7 (b)</i>	<i>2nd &amp; 3rd brochure (annex II species &amp; Invasive weed control)</i>
<i>D7 (c)</i>	<i>4th brochure (sustainable farm water solutions)</i>

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<b>E Actions: Overall Project Operation &amp; Monitoring</b>	
<b>Action</b>	<b>Description</b>
<b>E1</b>	<b>Establish Project Advisory Group</b>
<b>E3</b>	<b>Employ Project Team</b>
<b>E4</b>	<b>Fish Stock Survey</b>
<i>E4 (a)</i>	<i>20 baseline sites and 10 repeat post monitoring sites</i>
<i>E4 (b)</i>	<i>Monitoring Report 1</i>
<i>E4 (c)</i>	<i>Monitoring Report 2</i>
<i>E4 (d)</i>	<i>Monitoring Report 3</i>
<b>E5</b>	<b>Monitoring of fish stock passage works and post works upstream migration of sea lamprey beds</b>
<i>E5 (a)</i>	<i>Monitoring Report 1</i>
<i>E5 (b)</i>	<i>Monitoring Report 2</i>
<i>E5 (c)</i>	<i>Monitoring Report 3</i>
<b>E6</b>	<b>Monitoring effectiveness and cost per effort of invasive weed control in the riparian zone and recovery of native vegetation</b>
<i>E6 (a)</i>	<i>Monitoring Report 1</i>
<i>E6 (b)</i>	<i>Monitoring Report 2</i>
<i>E6 (c)</i>	<i>Monitoring Report 3</i>
<b>E7</b>	<b>Monitoring of practicalities and recovery of riparian zone by replacement of coniferous trees with native broadleaf and open spaces</b>
<i>E7 (a)</i>	Macro invertebrate sampling
<i>E7 (b)</i>	<i>Monitoring Report 1</i>
<i>E7 (c)</i>	<i>Monitoring Report 2</i>
<i>E7 (d)</i>	<i>Monitoring Report 3</i>
<b>E8</b>	<b>Trail of alternative water sources for cattle with direct access to the river and monitoring of improvements in water quality</b>
<i>E8 (a)</i>	Macro invertebrate sampling
<i>E8 (b)</i>	<i>Monitoring Report 1</i>
<i>E8 (c)</i>	<i>Monitoring Report 2</i>
<i>E8 (d)</i>	<i>Monitoring Report 3</i>
<b>E9</b>	<b>Liaison with other EU LIFE Nature / Biodiversity projects</b>
<b>E10</b>	<b>External auditing</b>
<b>E11</b>	<b>After LIFE Plan</b>