



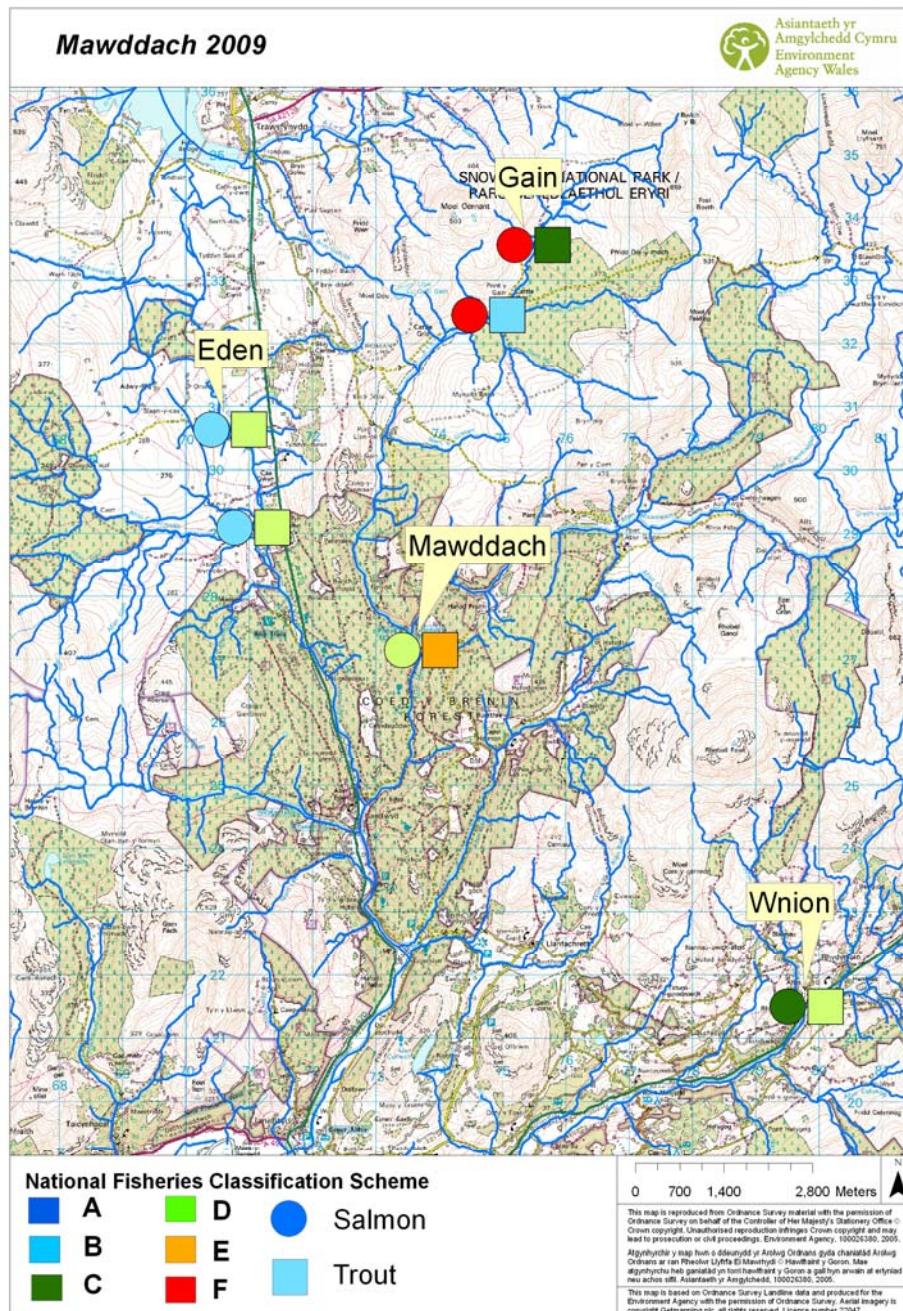
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2009 Mawddach summary

The following is a summary of the fish stocks in the Mawddach catchment for 2009.

Juvenile monitoring

The map shows a snapshot of the 2009 juvenile salmonid populations measured by electro-fishing surveys.



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www.asiantaeth-amgylchedd.cymru.gov.uk

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0800 80 70 60

www.environment-agency.wales.gov.uk

floodline

08456 988 1188



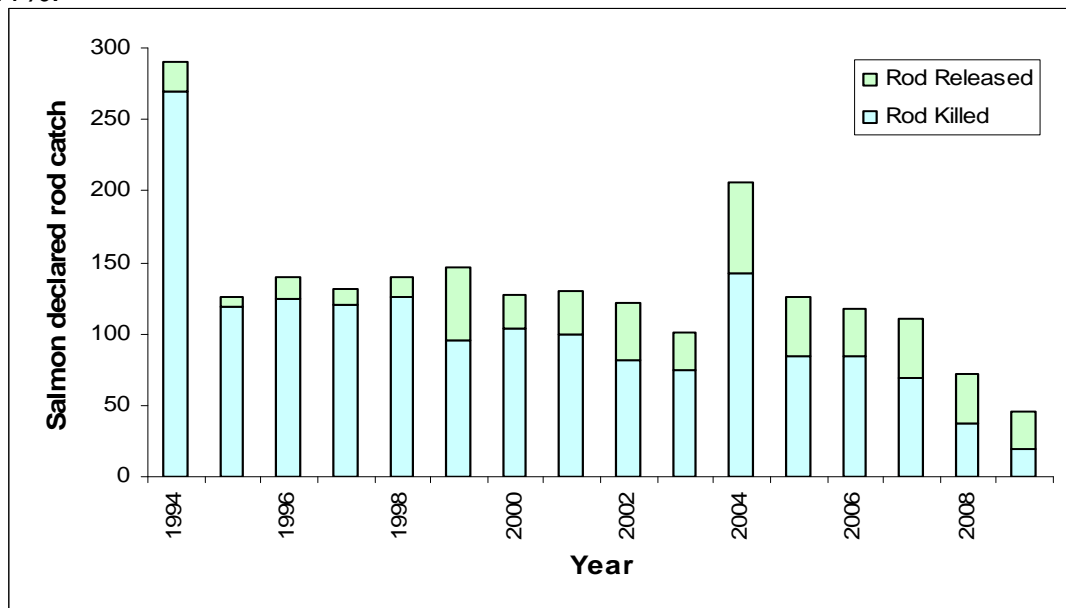
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2009 Mawddach summary

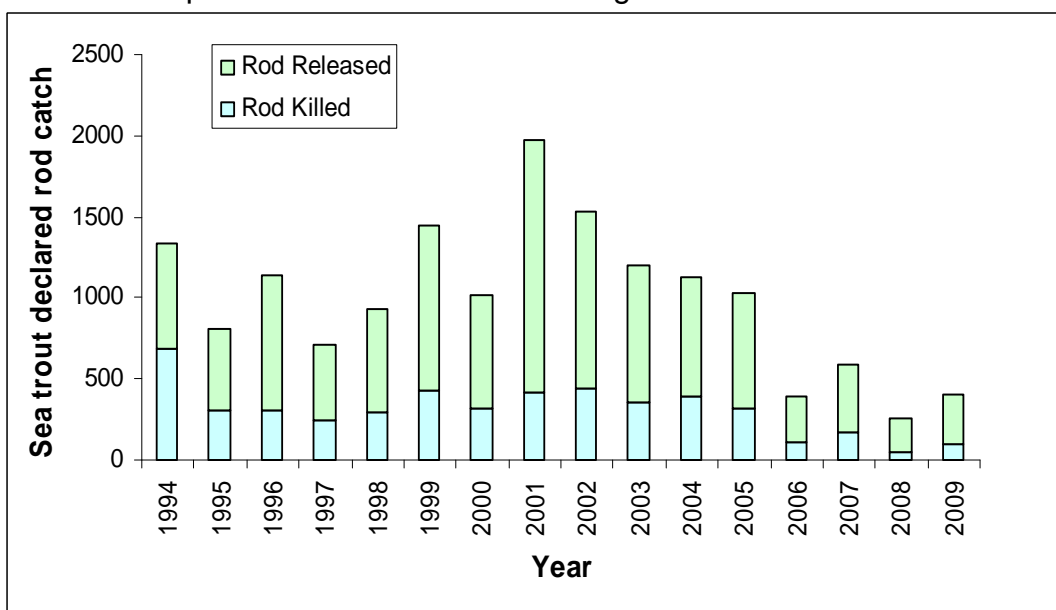
Catch returns / catch & release

The graphs show the rod catch and catch & release rate for salmon and sea trout on the Mawddach.

Salmon rod catch – release rate in 2009 was 59%. This is excellent and needs to continue to improve to conserve stocks. The North Wales average is 41%.



Sea trout rod catch – release rate in 2009 was 76%. This is good and may it continue to improve. The North Wales average is 66%.



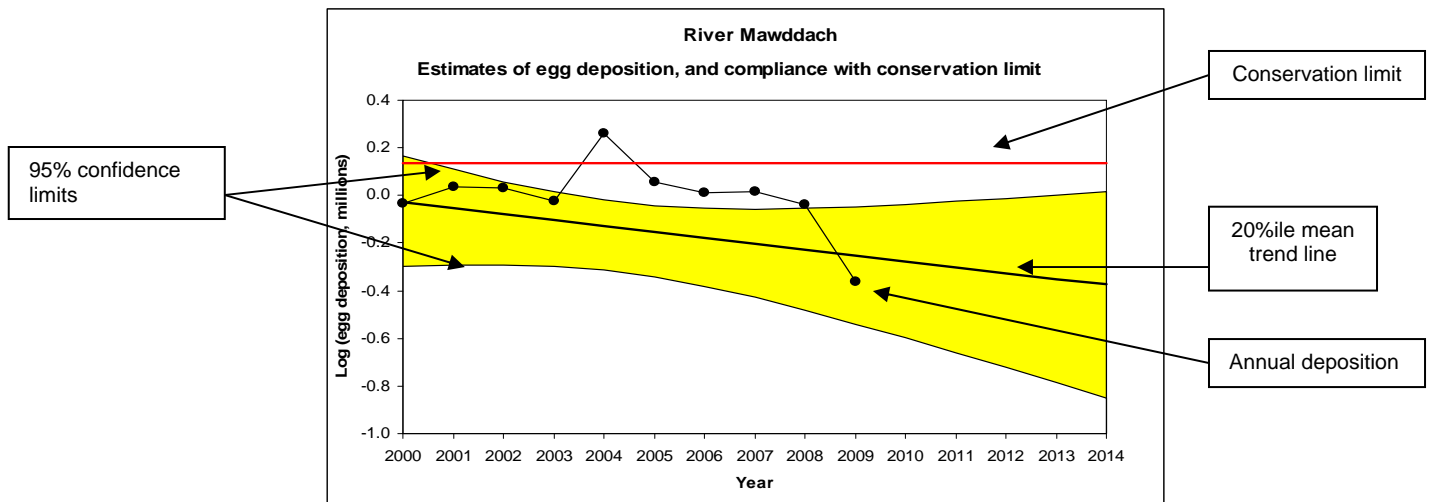


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2009 Mawddach summary

Conservation of Salmon

Conservation limit for sustainable fish population



Are enough salmon eggs being deposited to conserve salmon stocks in the catchment?

The red line represents the number of eggs required to be deposited to sustain a healthy salmon stock.

- Current number of eggs being deposited puts stocks **at risk**.
- In 5 years time the predicted status of salmon stocks will be **at risk**.
- Based on current and future trends the stocks of salmon will continue to **decline**.

Note: this method of stock assessment is currently under review and will change in 2011 due to a changes in effort.



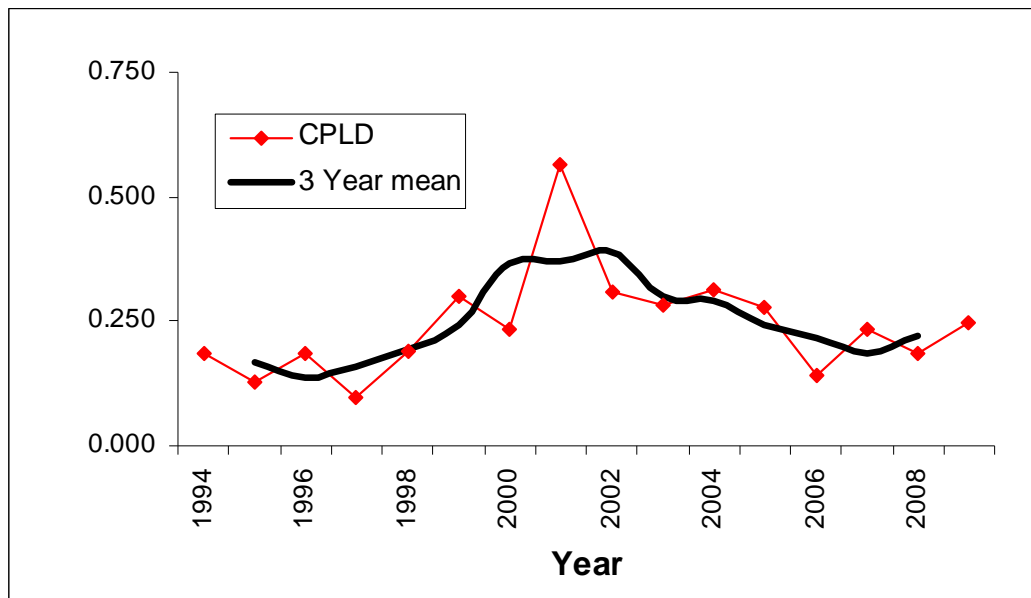
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2009 Mawddach summary

Conservation of Sea Trout

This approach to assessing sea trout stock performance is still under development. It gives an early warning about potential problems and assists Areas with considering whether any further management action including exploitation controls are required. It is based on catch trends in the last three years compared with those in the previous ten.

Catch Per License Day (CPLD) gives you the catch per outing. This is calculated according to data supplied by anglers on the catchment.



- **CPUE** - on the Mawddach is **stable**.
- **Stock status** – this is comparing catches when they were at there best. Status is **currently between 20 – 50%** of this.
- **Score** – this gives a score from the CPUE and stock status. The Mawddach scores 2, this is **probably at risk**.



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2009 Mawddach summary

Salmon Action Plan Activities

Activity	Action
Activities that will occur with or without a River Basin Management Plan RBMP	
Investigate the effects of illegal gold panning on channel substrate and bank structure	Working with Countryside Council for Wales (CCW), Forestry Commission (FC) and crown estate to rectify this issue.
Investigate Water Quality (WQ) issues arising from Ministry of Defence (MOD) munitions dump	Liasing with MOD. Further work under the Water Framework Directive to be carried out this year.
FC run-off and construction works	Looking at work practises of FC
Investigate possible WQ influences within area	Work is currently being done at Gwynfynydd mine. All other mines in the area are being mapped.
Increase catch & release of salmon from 48% (2008 figures) to 70% by 2011 through advocacy and information	Angling club needs to lead on promoting this action.
Promote new legislation regarding buying of salmon by hoteliers.	Re-advertise within catchment to raise awareness and promote reporting of illegal selling.
Actions that will happen if RBMP goes through	
Investigate possible WQ influence of new chalet development of the Afon Gain	No work currently underway.
Anglers to investigate applying for license from Assembly (WAG) to help control bird numbers	Angling club needs to pursue this
Actions that may happen if we were more certain of impact	
Alleviate effects of water transfer to Trawsfynydd from Upper Mawddach on pH levels of Eden and Crawcwellt	No work currently underway.
Fish Pass installed at Garreg Gawr Weir, Afon Mawddach by 2013 to make more hectares accessible	No work currently underway. Club could pursue through rivers trust
Investigate effectiveness of Abergwynant fish pass	Restoration options – No work currently underway. Club could pursue through rivers trust.