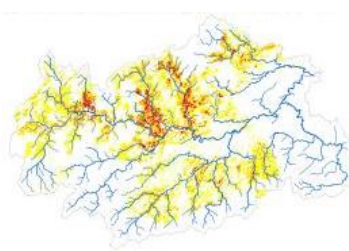


## Mapping Service for SFCC Members

December 2020



### Strategy and context

***SFCC will ensure that mapping technology, data and support is made available to all members in the most efficient way.***

All information held by fisheries managers is related to a specific catchment, river, or location. Mapping is increasingly being utilised by fisheries managers to understand the complex relationships between species and their environment. Mapping is also being used as a forward planning tool, for mobile data collection in the field and to communicate evidence and results to a public audience.

- SFCC will provide support on all aspects of mapping via phone and email.
- SFCC will continue to liaise with ESRI UK officials to ensure that all members have access to the most up to date software through membership of the ESRI Non-profit Programme.

### Training delivery

- An introduction to mapping training course and associated reference manual will continue to be offered by SFCC to meet member demand.
- Self-study resources provided by [ESRI UK](#), [scheduled courses](#) (and associated discounts) will be publicised to members regularly.
- A bespoke [e-learning package](#) developed by Westcountry Rivers Trust is also available to members.

### Data provision

A ready-made mapping package of relevant layers for individual catchments will be provided to each member as part of their SFCC membership. This package includes rivers, lochs, catchments and a range of environmental information from all available sources.

In addition, a list of mapping data sources for fisheries managers is kept up to date and made available.

In addition to bespoke GIS services for members, SFCC maintains a publicly available [Wild Fisheries Web Map](#), which contains a selection of relevant and publicly available layers. This resource enables

rapid access to mapping for anyone with no prior GIS experience. A [web map](#) containing woodland, land use and river temperature-related layers is also available.

SFCC will continue to work with Scottish Government with a view to maintaining a Contractor's License via the Public Sector Geospatial Agreement to allow members access to Ordnance Survey mapping for fisheries management planning.

### **Mobile/tablet field data collection**

SFCC will work with members to co-ordinate the development of standard field data collection software templates for use in the field with smartphones or tablets. By co-ordinating the provision of these tools centrally, data can be collected in a consistent manner across Scotland.

As a priority, options will be considered for fish health reporting, pink salmon, INNS, redd counting, habitat, woodland and large woody material survey, pollution, and enforcement. We will work with members to meet any further priorities for field data collection.

### **Co-ordinated approach**

Almost all information held by fisheries managers can be related to an exact location, river or catchment. Furthermore, due to the proliferation in the use of location-enabled devices the volume of map-based data available to fisheries managers is growing exponentially. In order to make this range of information readily available to those who need it, SFCC will continue to explore the utility of ESRI web-based mapping as a framework to allow the integration of information gathered from multiple different sources for the benefit of fisheries managers.

SFCC and its members will keep each other informed of new ways in which mapping technologies can enhance evidence-based fisheries management. For example, a current area of innovation lies in the use of 'Earth Observation' data collected by drones, aircraft and satellites to inform river restoration and native woodland projects.

### **Review**

The strategy will be kept under reviewed bi-annually to ensure that SFCC members are able to access mapping technology and support in the most efficient way.