



**Royal
HaskoningDHV**
Enhancing Society Together

Managing Floods and Delivering Benefits to the Wider Environment

Moray Flood Alleviation

■ Tim Ellingham

Introduction

- Delivery of a programme of 5 flood alleviation schemes by Moray Flood Alleviation
- their primary purpose is to reduce the flood risk to properties
- they reduce flood risk but they are also so much more
- they have ecological, community, amenity and biodiversity benefits

Our Philosophy

Our approach was to:

- mitigate impacts and enhance;
- consider that the normal state is during low flows; and
- think of the works as community and environmental infrastructure

Lhanbryde



Forres (Burn of Mosset)



Rothes



Forres (River Findhorn)



Elgin



Ecology



Community and Amenity



Biodiversity



My approach to similar projects

- Have an integrated team
- Set out your ambitions from the start
- Think about positive impact not just avoiding negative impact
- Think about the infrastructure in its normal state
- Think about the place not the scheme
- Integrated Water Resource Management (water, environment, society)