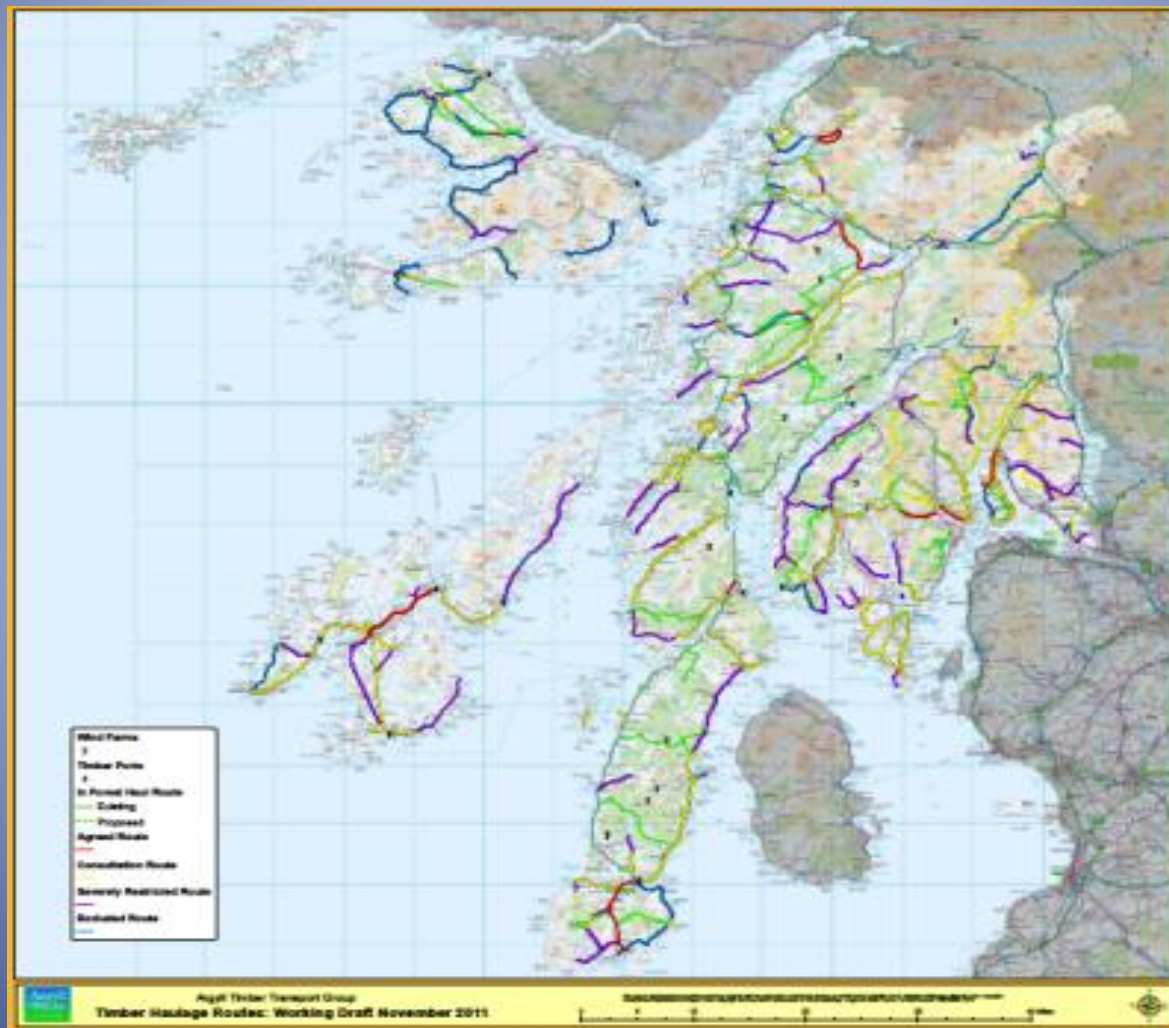


Argyll Forestry & Energy Sector - Combined Opportunity Mapping



Strategic Timber Transport Fund (STTF) project 2015-2016

Funding Partners:

- Argyll Timber Transport Group (ATTG)
- Forestry Commission Scotland (FCS)
- Scottish & Southern Energy - Scottish Hydro Electric Transmission (SHE Transmission)
- Argyll & Bute Renewable Alliance (ABRA)



Inveraray to Crossaig Overhead Line Reinforcement



Summary

- Minimise impact
- Identify opportunities
- Develop methodology

SpinEnergy Ltd.

Forestry and Energy Infrastructure Access - Phase 1 Report

3 Renewable Energy Projects

This section details the wind and hydro projects that are existing or planned within the two localised study areas. The status of the projects is taken from the ABRA data which is more up-to-date. Comment is also provided on the availability of information on access infrastructure.

Table 3-1: Identified Renewable Energy Projects

Project Name	Development Status (ABRA)	Access Infrastructure
Hydro – Area A		
Douglas Water	Operational	Digitised from OS 1:50,000 scale map and plan dated 4 July 2003.
Loch Gair	Operational	No information identified.
Hydro – Area B		
Lussa	Operational	No information identified.
Wind – Area A		
Ait Dearg (and Extension)	Operational (Construction)	Digitised from plan dated 15 September 2014.
An Suidhe	Operational	Digitised from plan dated 22 September 2006.
A'Chruach	Approved	Digitised from plan stamped as received by Argyll and Bute Council on 2 August 2012.
Cour	Approved	Digitised from plan numbered 02564D 1001-05 and dated 2012.
Freasdale	Approved	No information identified.
A'Chruach Extension	Scoping	No information identified.
Clachan/Eascairt	Scoping	No information identified.
Cnoc An Fhionn	Scoping	No information identified.
Chruach Brenfield	Scoping	Digitised from plan dated February 2014.

158465/001/SLAC/0001

Revision 03

Certified to ISO 9001, ISO 14001, OHSAS 18001 and ISO 17025

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Methodology

- Phase 1 – Desktop compilation and analysis of existing information
- Phase 2 and 3 - In depth analysis and surveying of specific area/s which Phase 1 study identified as having potential for combined access infrastructure improvements and hazard identification

Outputs

- Map and describe the transmission and renewable project access infrastructure in Argyll
- Map plantation forest areas in the vicinity and show the presumed exit points onto the local road network
- Map existing forest road and access tracks
- Highlight and prioritise opportunities to link or extend existing infrastructure
- Identify opportunities for new planting schemes
- Create a GIS layer/platform for informing discussion and liaison between the forest and energy sectors

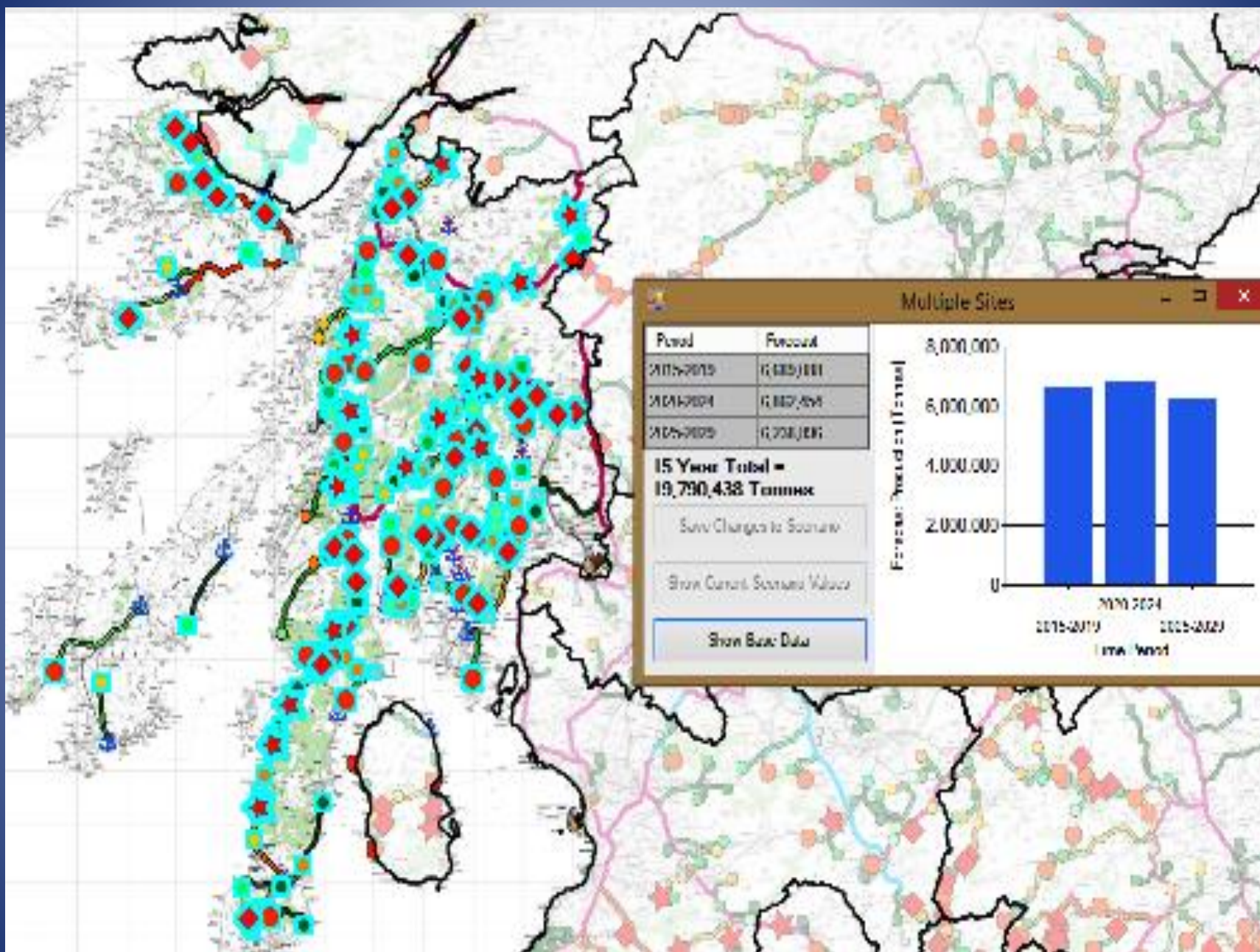
Argyll Forest and Energy Sector Combined Opportunity Mapping Project



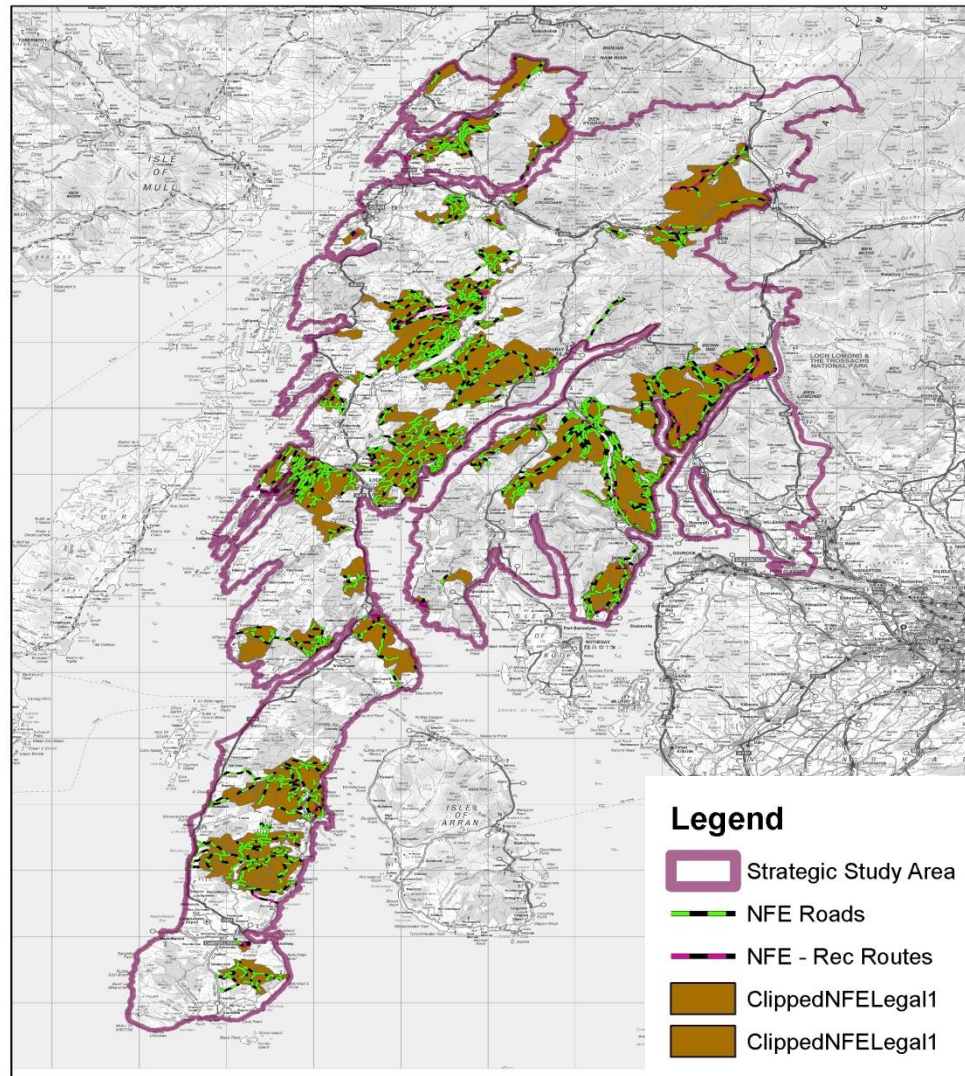
Information Sources for Phase 1 Report

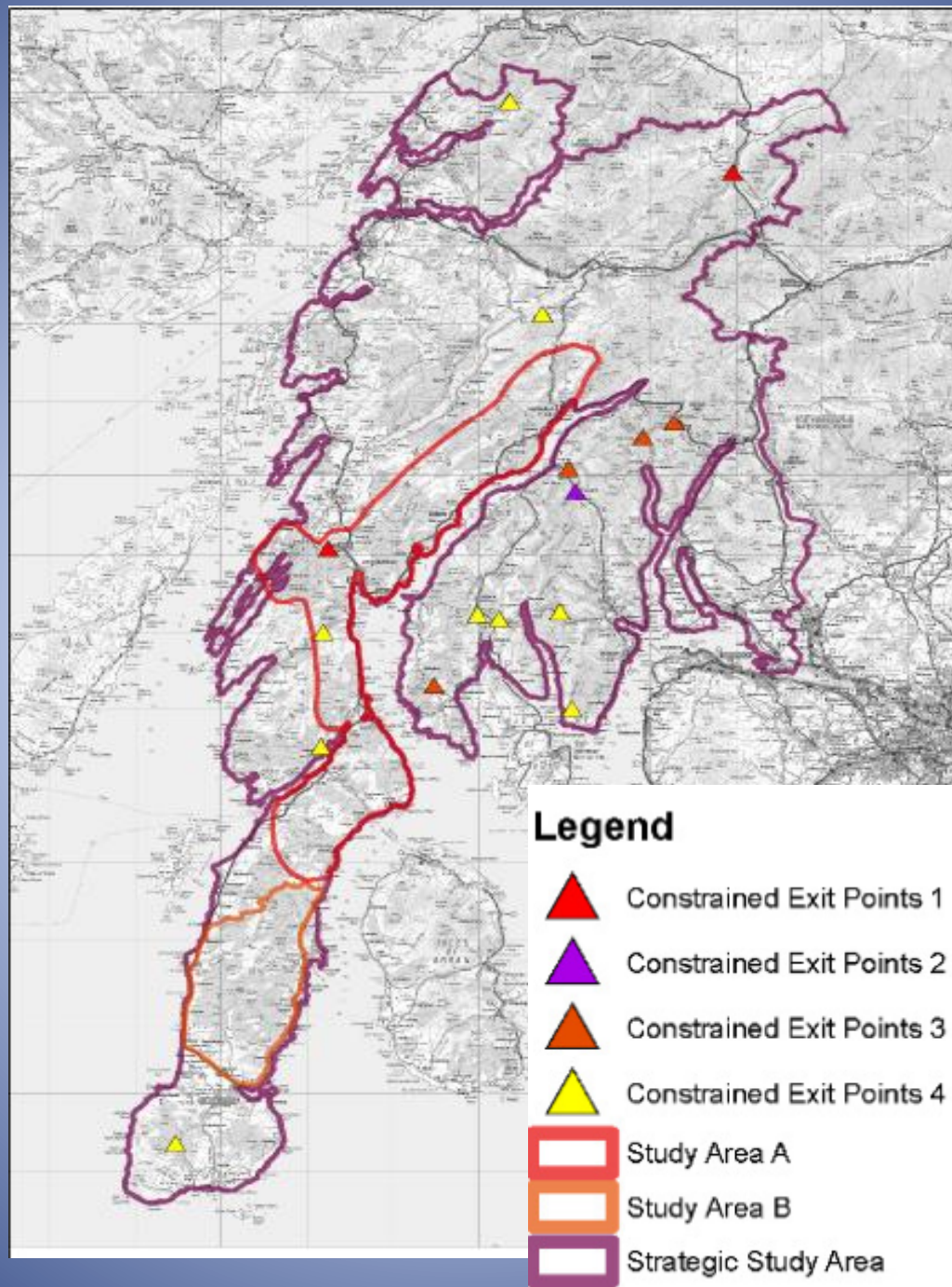
- ATTG Agreed Routes Map
- Exit Point study
- Forestry Commission Scotland
- Argyll & Bute Renewable Alliance
- Scottish Natural Heritage
- Historic Scotland

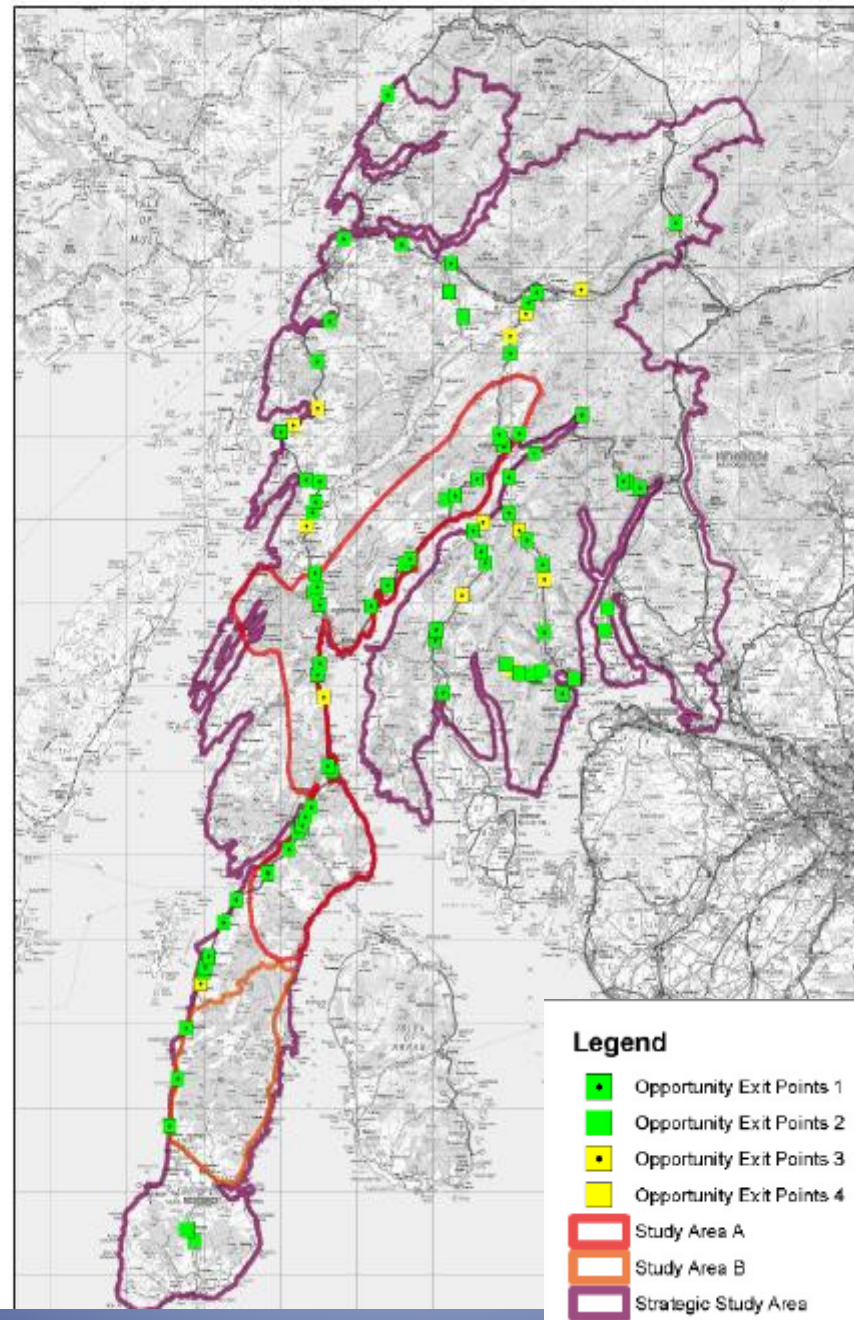


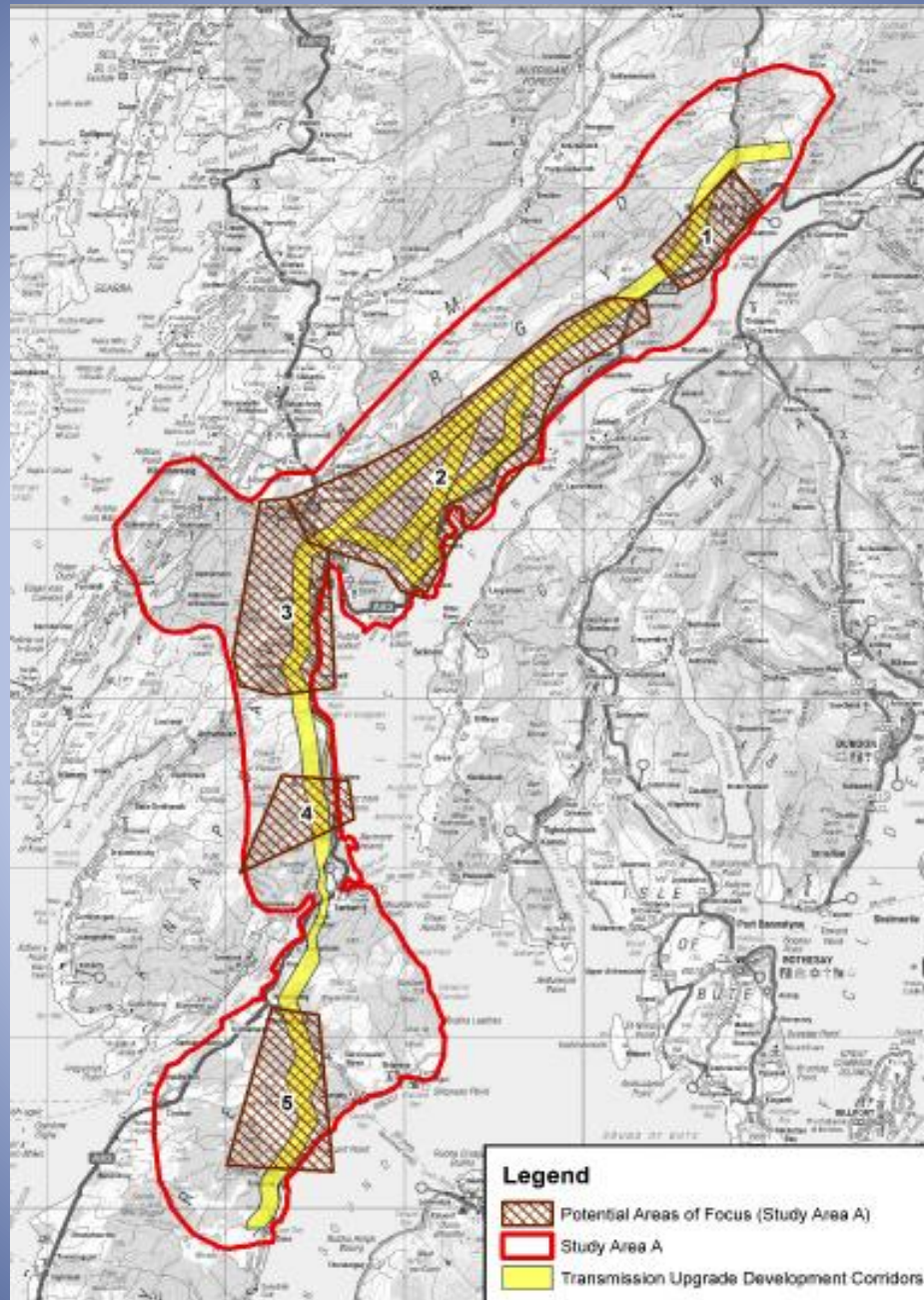


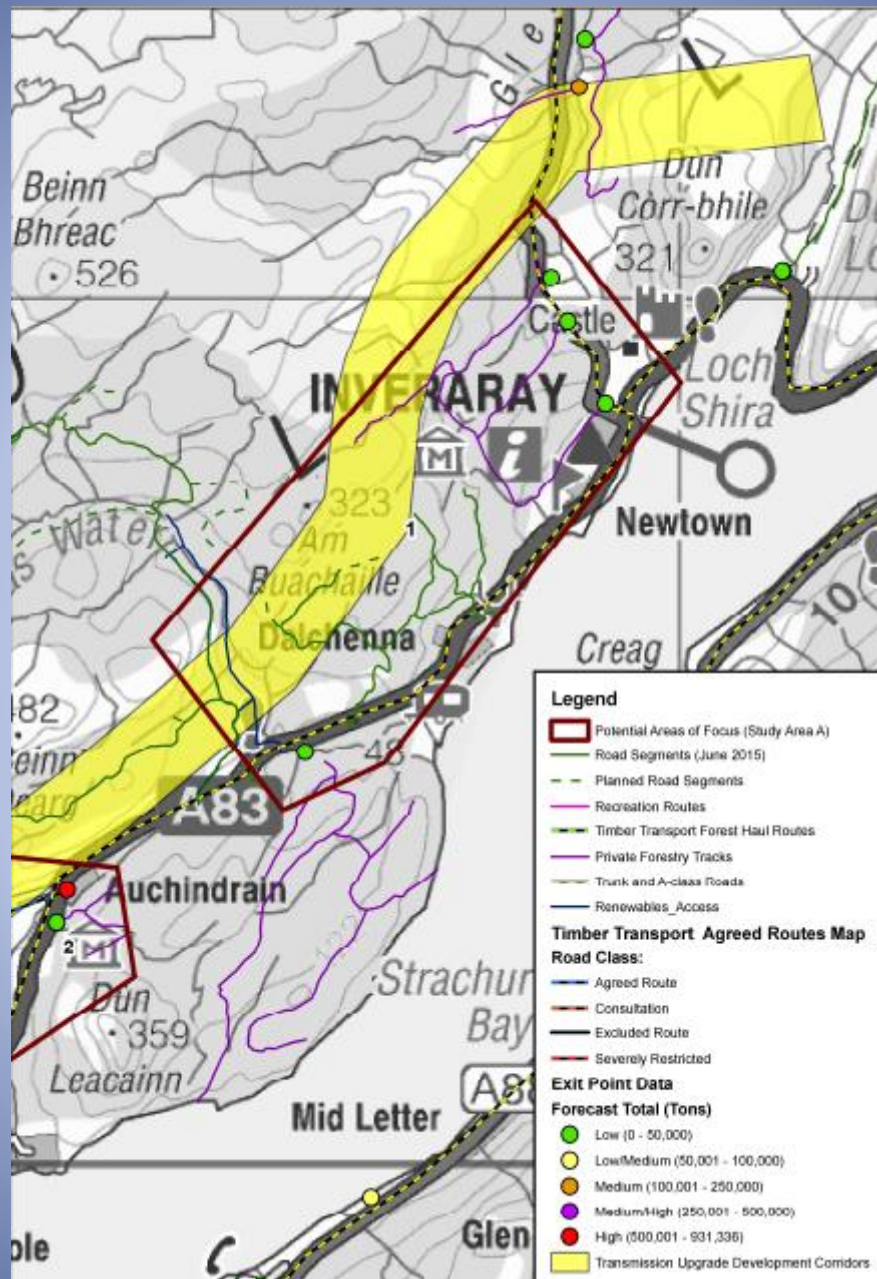
NFE Ownership and Roads











Phase 2 Report

- All access roads through forest and private ownership mapped by GPS and a high level assessment on the condition and capacity of each road detailed.
- Detailed report on the projected cumulative effect of planned harvesting and energy construction projects
- Accurately identify and map road connection construction or improvement opportunities and potential concerns
- Identification of opportunities for new planting schemes
- Identification of new infrastructure projects

Table 6-1: Forest Track Descriptions - Area of Focus 4

Note ID (P = Private FC = FCS)	Category	Description/Notes	Running Surface Width
1-FC	B	Good quality timber road with sound rock surface. Sporadic potholes and superficial surface erosion caused by haulage operations.	3-3.5m
2-FC	Unclassified	Access road to Meall Mhor masts. Narrow with variable surface; not currently suitable for timber haulage.	2.5-3m
3-FC	C	Only suitable for 4x4. Formation and light surfacing. Requires full surfacing and drainage to accommodate timber or construction traffic. Overgrown	-

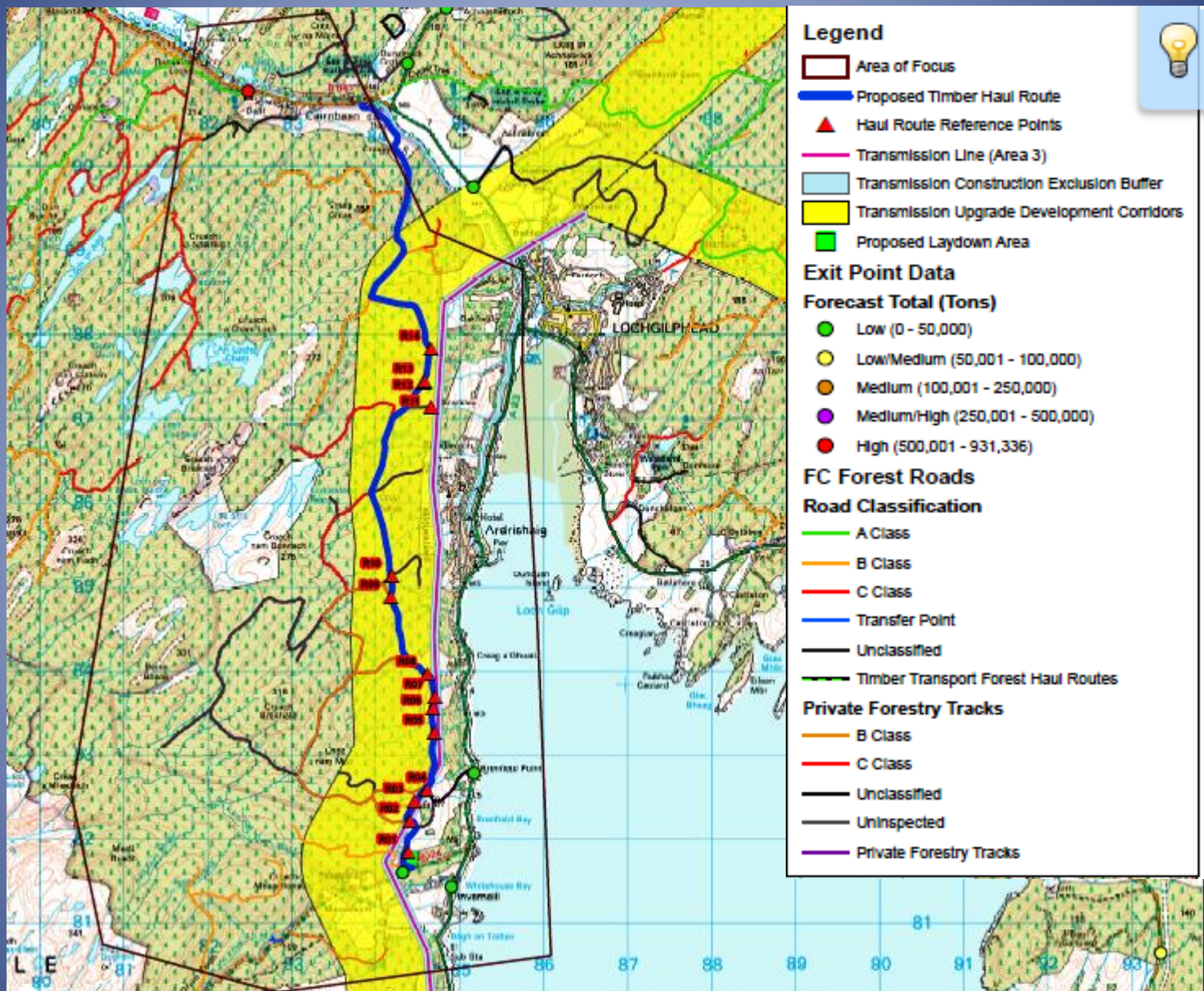


Track ID	Type	Description	Location	Reference	Photograph(s)
H5	Bridge	Identified as weak bridge by Argyll Estate	207294	709116	 
H6	Bridge	Identified as weak bridge by Argyll Estate	207243	708912	 



	Q1	207628	710008	
	Q2	207707	709924	

			Argyll Estate road network	
P4	204270	707182	Douglas Water Hydro access track. Unsuitable for timber or construction traffic	



Long term Benefits

- Pioneering cross sector collaboration and infrastructure improvements
- Comprehensive infrastructure database for forestry and renewables in Argyll & Bute
- Easily accessed information for developing in-forest links and strategic routes for long term improvements

Any Questions?

