

## Examples of subjects for critical analyses

The following are some of the topics used by previous applicants in recent years and are offered merely to assist applicants when considering the subject matter of their proposed critical analysis. It in no way constitutes an approved list of subjects.

- A critical analysis of managing client pressure to remove trees during the construction of an approved development.
- A critical analysis of the 2006-2013 Rural Development Programme and development of forestry measures for the 2014-2020 Rural Development Programme.
- A critical analysis of ancient semi-natural woodland management and restoration of plantations on ancient woodland sites on a mixed rural estate in the Midlands.
- A critical analysis of the challenges face following the refusal of a Tree Preservation Order (TPO) application, and during the subsequent appeal process.
- A critical analysis of the consultation for urban community woodland creation.
- A critical analysis of the introduction of a community-led approach to tree planting at Bristol City Council.
- A critical analysis of the management of a woodland enhancement operation on a highways scheme in Royal Tunbridge Wells, Kent.
- A critical analysis of the management of Forestry Commission brownfield restoration projects in the Thames Chase Community Forest.
- A critical analysis of the operational options to restore a plantation on ancient woodland site infected with *Dothistroma* (Red Band) Needle Blight.
- A critical analysis of the proposals considered and operations undertaken to plant up a 17.8 hectare restock site in Rowney Warren Woods, Bedfordshire.
- A critical analysis of the strategies undertaken to bring a SSSI woodland into positive management.
- A critical analysis of woodland deer management in Strathspey on the National Forest Estate.
- A critical review of developing policy for the Scottish forestry sector.
- Adapting a site-specific Tree Risk Identification and Management policy into a national policy document.
- Addressing the edge effect of Strathmore Forest on the Caithness and Sutherland peatlands SAC/SPA.
- Addressing the use of inappropriate ground preparation on a woodland creation site.
- Agreement of a 10-year woodland management plan on a country park designated a Site of Special Scientific Interest.
- A harvesting operation to reduce health and safety risk posed by unstable ash dieback trees.
- Amenity land management: Critical analysis of options and results.

- Analysis of past claim patterns related to local authority procedures concerning trees and related subsidence.
- Analysis of the design plan process for a 500 hectare woodland in a National Park.
- Analysis of the issues, and the consequent research needs, involved in the conservation of remnant ancient oaks in an important heritage area.
- An analysis and examination of the applicant's role using appropriate technology in a developing country.
- An analysis of management regimes and their effect on windblow in the Welsh uplands.
- An analysis of the challenges faced and decisions made when objections were received in respect of timber harvesting operations.
- An analysis of the impact of development plans on veteran trees in an historic parkland landscape.
- An approach to PAWS restoration on conifer shelterwoods at Great Wood, Somerset.
- An examination of the economic and practical options for individual tree protection on a disputed site.
- An investigation of the circumstances before and during instances of unauthorised timber removal.
- A review and analysis of a Forest Certification audit.
- A review of operations and planning procedures to negate landslip risk within the Aultderg Gully.
- A review of specific protection measures required for an individual tree on a construction site.
- A review of the National Forest Company's woodland management grant in 2016.
- Assessing the implications of retaining prominent trees on development sites.
- Assessment of successes and failures associated with a farm woodland project based on a case study approach.
- Between a road and a river – Clearfelling a small, but challenging woodland in South Scotland.
- *Ceratocystis platani*: Protecting and preparing the UK.
- Coed Cathilas harvesting access: Which of three rights of way should be exercised to create a new haulage road and unlock 13,000 tonnes of timber?
- Compliance with a statutory plant health notice and ensuring the delivery of client objectives.
- Conducting forest operations in the vicinity of private water supplies in West Scotland.
- Creating wildlife infrastructure in Radnor Forest, Mid Wales.
- Creation of a Tree Management Strategy for Breckland Council.
- Creation of the Council's Tree and Woodland Strategy: An analysis of the process.
- Critical Analysis – Ash dieback surveying.
- Critical Analysis: Investigation and resolution of alleged damage attributable to the action of Poplar tree roots.
- Critical analysis of a forest road Scottish Rural Development Programme grant claim.
- Critical analysis of an SRDP application for a new woodland creation on Dunach Estate.

- Critical analysis of response to a water supply issue related to EIA consent conditions.
- Critical analysis of the construction of a forest road network and associated infrastructure for a 300-hectare woodland.
- Critical analysis of the tree protection process during the phased upgrading of holiday accommodation units within a woodland holiday park.
- Critical analysis of the watercourse management project to promote forestry as a positive land use for improving water quality.
- Critical analysis of works at Gib Torr Forest, Peak District.
- Critical analysis on the use of an issues log to aid the development of large scale woodland creation schemes.
- Critical examination of methods of putting a monetary value on amenity trees.
- Dealing with the *Phytophthora ramorum* outbreak in South West Scotland.
- Decision on the division of lots and the market approach to woodland sales, recognising the potential conflict of interest through loss of woodland management of the site.
- Design and sourcing requirements for a wood fuel storage depot at biomass-fuelled plant.
- Design, implementation and management of a tree risk strategy.
- Designing a short rotation forestry planting scheme.
- Determination of the fuel supply mix for a proposed biomass power plant, considering the optimum balance from a range of fuel sources.
- Determining the growth rate of trees in the urban environment.
- Developing and introducing a new tree safety management system.
- Developing the use of the network contribution dataset in planning forest design and operations.
- Developing tree Health and Safety inspections and management: Managing Massaria disease in Plane trees in a public park.
- Development of a small scale woodland creation project in Pembrokeshire with particular focus on the stakeholder consultation process.
- Digital data capture and meeting the needs of a client.
- Elements of the Oak Processionary Moth control programme in Pangbourne, West Berkshire.
- Ensuring successful tree protection strategies in relation to a difficult water main diversion.
- Environmental Impact Assessment regulations: A barrier to woodland creation in England?
- Eurasian Beavers in the Greathough Brook, Forest of Dean. A natural solution to a man-made problem?
- Failing to Deliver: A critical analysis of managing a contract in crisis.
- Fencing – Creating boundaries, in both the physical and professional sense.
- Finding a cost effective way to clear young *Phytophthora ramorum* infected larch crops to leave sites in a suitable condition for cultivation and restocking.
- Forest establishment operations: A critical analysis of using alternative ground preparation methods.

- Gaining felling approval on a large estate.
- Harvesting operations in a multi-use forest.
- Hazard assessment and report – Mature English Oak on a village green.
- How can the woodland management planning process be improved upon? A consultant's perspective.
- Influencing and managing a client's expectations.
- Implications of logging in natural forests in a developing country.
- Investigation into tree harvesting adjacent to a Scheduled Ancient Monument.
- Investigation into unauthorised felling within a Tree Protection Order area.
- Issues arising in the identification and delivery of compensatory planting under the policy on the control of woodland removal.
- Land management options for heathland restoration in upland forest areas.
- Land management planning for the Flow Country: Determining appropriate responses to the call for bog restoration.
- Liever Island, Argyll: Harvesting and monitoring of the uplift of timber.
- Low ground pressure timber haulage: An economically viable alternative where stone quality limits forest road capacity.
- Management of a byway open to all traffic during forest operations.
- Management of a novel silvo-pastoral research project, an analysis covering fund-raising, building internal support, local community engagement and media management.
- Management of a timber harvesting and marketing programme, with particular reference to developing relationships with customers and contractors, and improving quality control.
- Managing a complex site with multiple stakeholders.
- Managing a thinning parcel on a mixed estate for a new client: A review and lessons learned.
- Managing physical damage to a Scots Pine subject of a tree preservation order on an urban development site.
- Managing Sitka Spruce regeneration for woodland creation – Carron Valley Trial.
- Managing stakeholder resistance to an approved felling licence.
- Modelling of the suitability for acquisition of land in Central Scotland, from a woodland creation perspective.
- Morenish Woodland creation: A study in the feasibility of implementing productive upland planting in 21<sup>st</sup> century Scotland.
- Negotiating management options for two broadleaf shooting estates in North Wales.
- Oak Processionary Moth – Integrating the complex arrangements for management of this notifiable pest with expectations of a wide range of stakeholders.
- Production of a tender response for delivery of a large scale native woodland creation scheme.
- Provision of forestry advice to a windfarm developer.
- Reducing surveyor risk during environmental surveys adjacent to the highway network.
- Removal of storm damaged roadside trees using explosive charges.

- Researching, developing and establishing a firewood supply business.
- Respacing naturally regenerating Sitka spruce.
- Respacing regeneration: A critical analysis.
- Responding to a statutory plant health notice on a challenging site.
- Restocking at scale: A critical analysis.
- Retaining trees on development sites: Balancing the often conflicting objectives.
- Safeguarding Britain's green corridors.
- Selection of suitable sites for woodland diversification.
- Small scale harvesting in the Midlands.
- Snowden Close – Contractor management during woodland creation.
- Solving the GIS requirements of a UK wide HLF-funded ancient woodland restoration project.
- SSSI's, accepting woodland management and including sycamore in the species mix.
- Taking the Public Forest Estate in England through UKWAS audit: Pivoting on a tipping point.
- The design and build of a coupe planning database incorporating EPS licencing toolkit.
- The effectiveness of a range of management options in meeting specified objectives for a small area of state-owned recreation and amenity woodland.
- The effects of discovering a protected species on a harvesting site.
- The influx of *Chalara fraxinea* reports to Forest Research in winter 2012-2013.
- The issuance of a Statutory Plant Health Notice (SPHN) on an estate in the west of Scotland.
- The Long Wood: A case of woodland removal.
- The management of broadleaf elements of a woodland creation project.
- The management of young memorial woodland at first thin.
- The scoping, production and implementation of a tree risk management strategy for Elmbridge Borough Council.
- Towards achieving optimum arboricultural outcomes for a major redevelopment project: A critical analysis of the effectiveness of combined emphases of professional approach.
- Tree felling at Doncaster Racecourse: The use of legislation to secure a mutually beneficial outcome.
- Tree growth projection modelling: A critical analysis.
- Tree Risk Assessment – An evaluation of a project risks, costs and rewards.
- Trees in relation to the implementation of an approved development.
- Vegetation surveys for utility management, the short-comings and benefits of different approaches.
- Windfarm sterilisation of forested land and timber marketing at Halfmark Forest 2016.
- Woodland Creation Cultivation Issues – A Critical Analysis.
- Woodland Creation Forestry Grant Scheme Applications: A critical analysis of the role of the Woodland Officer in the assessment process in relation to FGS compliance and aspirational National Woodland Creation targets.