

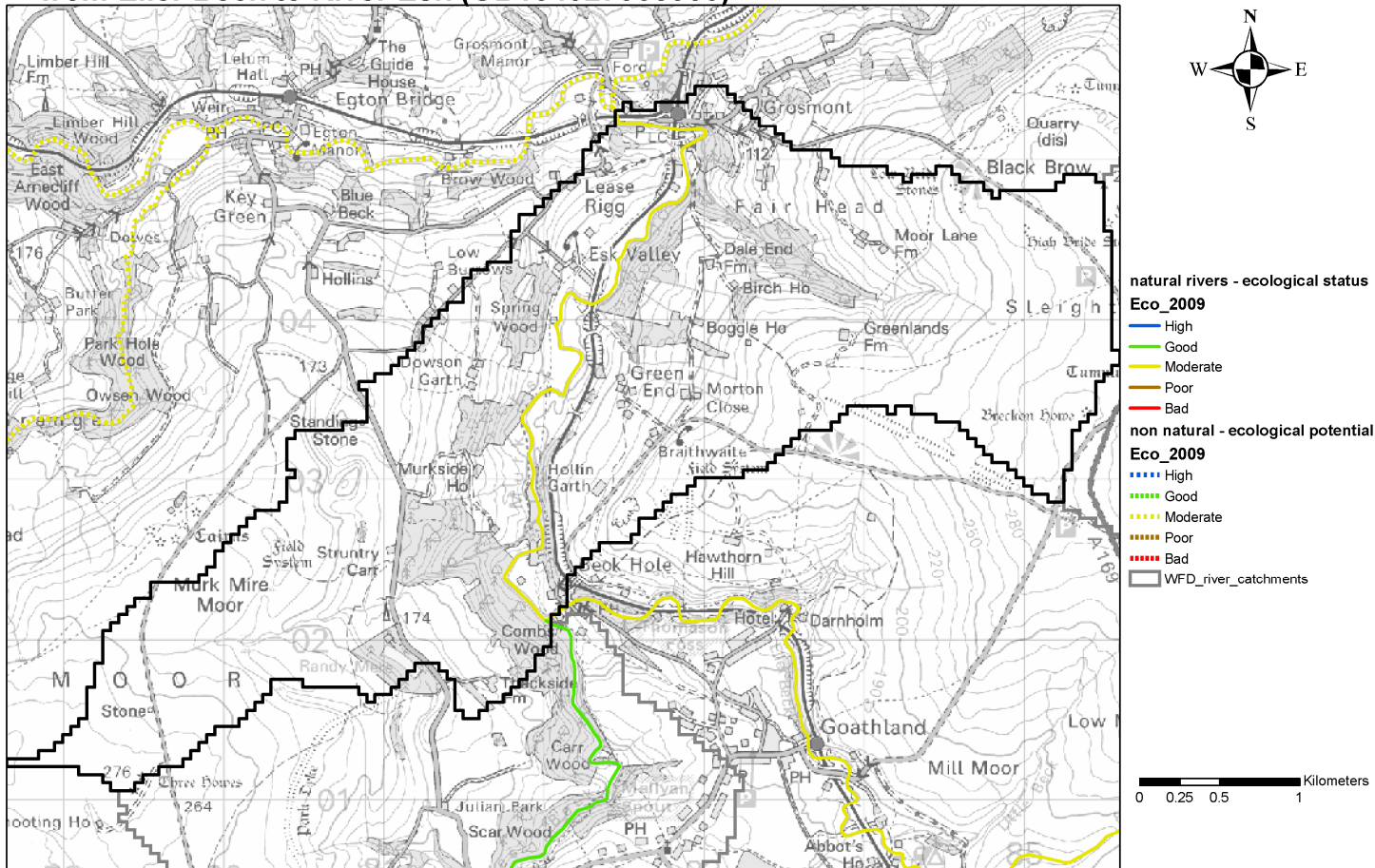
GB104027068060

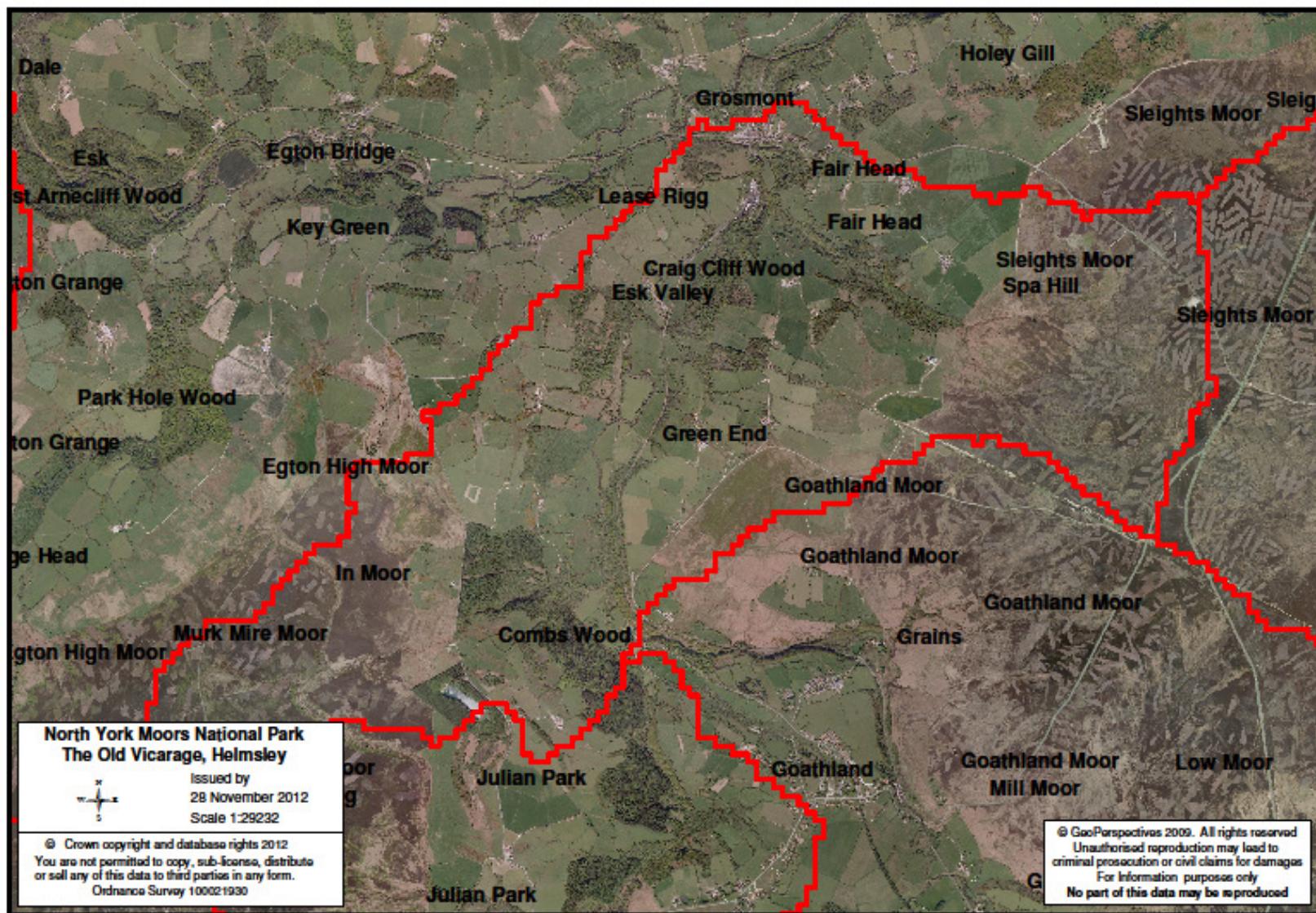
Murk Esk from Eller beck to River Esk (Esk and Coast)

Ecological Status: Moderate

Failing Elements: Invertebrates

Waterbody Ecological Status/Potential for Murk Esk from Eller Beck to River Esk (GB104027068060)





Issues identified	Solutions / work required	Responsibility/Lead	Costing's (High/Medium/Low)	Timings
<p>1) Water quality – Fine Sediment + Nutrients</p> <p>Agriculture</p> <p>Whole Farm Appraisals ~ 15 farm holdings</p>	<ul style="list-style-type: none"> One to one visits with farmers in catchment. "Whole farm appraisals" through Catchment Sensitive Farming Scheme. Identification of any issues. <p>Walkover surveys of farm holdings</p>	<p>Catchment Sensitive Farming Officer (Lead) / NYMNPA</p>	<p>Medium</p>	<p>2013 - 2021</p>
	<ul style="list-style-type: none"> Development of appropriate solution/s to problems (follow up advice and grants) and delivery of improvement work (if required) Group events (advice and training for farmers) Environment Agency Catchment Restoration Fund, other external funding source, NYMNPA grant schemes and/or CSF grant. 	<p>Catchment Sensitive Farming Officer / NYMNPA</p>	<p>High</p>	<p>2013 - 2021</p>
	<ul style="list-style-type: none"> Sediment and Nutrient Monitoring Work. Identify hotspots of sediment and nutrient supply. 	<p>Environment Agency monitoring network</p>	<p>Low</p>	<p>2013 - 2021</p>
<p>2) Water quality – Nutrients</p> <p>Septic tanks</p>	<ul style="list-style-type: none"> Registration of all septic tanks in catchment 	<p>Environment Agency (Lead)</p>	<p>Low</p>	<p>2013</p>
	<ul style="list-style-type: none"> EA to raise awareness of issues and offer best practice guidance 	<p>Environment Agency (Lead)</p>	<p>Low</p>	<p>2013 - onwards</p>
	<ul style="list-style-type: none"> Records of maintenance 	<p>Environment Agency (Lead)</p>	<p>Low</p>	<p>2013 – onwards</p>

	<ul style="list-style-type: none"> Monitoring of maintenance and quality of discharges 	Environment Agency (Lead)	Medium	2013 – onwards
3) Water quality – Fine Sediment and other pollutants from roads Highways	<ul style="list-style-type: none"> Liaison with NYCC highways department Contact with NYCC – possibility to install silt traps and other pollution control measures (i.e. increased use of salt bins). 	Environment Agency (Lead) / NYMNPA	Low	2013
	<ul style="list-style-type: none"> Development of appropriate solution/s to problem (silt traps, ponds, swales) 	NYCC / Environment Agency / NYMNPA	Medium	2013 - 2027
	<ul style="list-style-type: none"> Improvement work 	NYCC	High	2013 - 2027
4) Peatland Restoration Goathland Moor Egton High Moor Murk Mire Moor In Moor Sleights Moor	<ul style="list-style-type: none"> Liaison with land owners and land managers 	Yorkshire Peat Partnership / Natural England / NYMNPA	Low	2013 - 2014
	<ul style="list-style-type: none"> Walkover surveys to identify problem areas (grips, gullies, bare peat and problem tracks) 	Yorkshire Peat Partnership / Natural England / NYMNPA	Medium	2013 - 2021
	<ul style="list-style-type: none"> Development of appropriate solution/s to problems (grip and gully blocking, peat stabilisation, re-profiling and re-vegetation) and delivery of improvement work. 	Yorkshire Peat Partnership / Natural England / NYMNPA	High	2014 - 2021

5) Woodland Measures Potential for riparian woodland planting	<ul style="list-style-type: none"> Liaison with land owners and land managers 	Forestry Commission / NYMNPA	Low	2013 – 2027
	<ul style="list-style-type: none"> Identify suitable sites for native woodland creation 	Forestry Commission / NYMNPA	Low	2013 - 2027
	<ul style="list-style-type: none"> Carryout woodland creation through the Forestry Commission (English Woodland Grant Scheme) or NYMNPA grant schemes. 	Forestry Commission / NYMNPA	Medium	2013 - 2027
6) Non-native invasive plant species Japanese knotweed (<i>Fallopia japonica</i>)	<ul style="list-style-type: none"> Walkover surveys to identify distribution of invasive plants and severity of problem 	NYMNPA (Lead)	Low	2013 - onwards
	<ul style="list-style-type: none"> Liaison with land owners and land managers 	NYMNPA (Lead)	Low	2013 - onwards
	<ul style="list-style-type: none"> Control/eradication of non-native invasive plants 	NYMNPA (Lead)	Medium	2013 - 2021
7) Land Management Agri-environment schemes through Natural England Entry Level Stewardship Upland Entry Level Stewardship Higher Level Stewardship	<ul style="list-style-type: none"> Liaison with Natural England staff Promotion of resource protection measures in expiring Entry Level Stewardship agreements and new Upland Entry Level Stewardship agreements. Promotion of farms in the Esk valley for the Higher Level Stewardship scheme. 	NYMNPA (Lead)	Low	2013 - 2021

	<ul style="list-style-type: none"> Incorporation of resource protection measures in expiring Entry Level Stewardship agreements and new Upland Entry Level Stewardship agreements. New HLS agreements signed in the Esk valley (incorporating resource protection measures) 	Natural England (Lead) / NYMNPA	Medium	2013 - 2021
8) Water quality monitoring Chemical and Biological Monitoring of River Esk and its tributaries	<ul style="list-style-type: none"> Expand current network of chemical and biological monitoring sites to include all main tributaries of the Esk 	Environment Agency (Lead)	Medium	2013 – onwards
9) Pollution monitoring	<ul style="list-style-type: none"> Angling Clubs to continue to monitor the river for sources of pollution and report any pollution problems to the Environment Agency via incident hotline CSF officer, Natural England staff, NYMNPA staff to report any pollution problems to the Environment Agency via incident hotline 	Goathland Angling Club, Other Angling Clubs, Natural England, NYMNPA, Yorkshire Esk Trust	Low	2013 - onwards
10) Spawning habitat improvements Lack of suitable spawning habitat and poor quality spawning habitat (siltation)	<ul style="list-style-type: none"> Address siltation problems (priority) Walkover surveys to identify potential improvements to spawning habitat in the upper catchment. Investigate potential improvements to spawning substrate i.e. cleaning gravels. Investigate addition of spawning substrate i.e. gravels/cobbles. 	Yorkshire Esk Trust / Environment Agency / NYMNPA	Medium	2013 - onwards

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| | <ul style="list-style-type: none">Investigate tributaries to make sure that spawning areas are accessible to migratory fish i.e. sensitive beck debris clearance. | | | |
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