APPENDIX M

Reach summary sheets

Information for reach summary sheets

Summary sheets were produced for the ten options that were found to be most favourable following MCA and subsequent assessment

Cost bands used on summary sheets

Cost band	Cost range (£k)
1	<50
2	50-100
3	100-200
4	200-500
5	>500

Key to symbols used on maps

0	Weir
×	Culvert
	Embankment
	Bank protection
	Area for re-meandering/realignment

Water body ID	10611	Water body name	Nith - Sanquhar to	New Cumnock	MCA rank	1	MCA score	76
Reach no.	1	Reach location	Upstream Duncans	ourn Bridge	Cost band	4		
Context 6.5km length of c Connection with Restoration oppo Remove eml Enhance veg 41% MImAS Only 26% M morphology need to be r Detailed asso locations wh Degree of potent Potential for flood risk at Other benefits	hannel flo both flood ortunity bankments getation str capacity re imAS capac – therefor emoved to essment sh ere emban cial NFM bo embankm Kirkconnel	wing through low qua plains is limited by en s to allow reconnectio ructure and complexit eleased, improves sta- city required to achieve re only a proportion of achieve this nould be carried out to hkment removal woul enefit nent removal to contri	lity pasture. bankments. h with floodplain y throughout reach us to good. re good status for embankments d determine the d be most feasible. bute to reduced	NEW CUMNOCK				250 500 m Å
 Land use/owners Land is prede The highest Constraints	ominantly	grazing vility value in reach is 4	l.1					
• Presence of Funding and colla	aboration locking in	possibly sewer likely t opportunities adjacent areas may pi	· · · · ·					

Water body ID	10629	Water body name	Cample Water	MCA rank	2	MCA score	51
Reach no.	1	Reach location	Downstream Kirkbog Bank	Cost band	2		
Context A kilometre-lengt joining the Nith a straightened and Restoration oppo Re-meander and weir to a morphologic	t reach flo t its down <u>is constra</u> ortunity ing, remov allow reco cal diversit	owing across the Nith stream extent. Chann- ined by embankments val of embankment, ba nnection with floodpla	floodplain and el has been and a weir ank protection ain and increase	ith main stem		Cample Water	
moderate. Degree of potent No significan	ial NFM b	enefit				<u> </u>	
		reness raising ther pressures on the	channel			- Contraction	-
-	sture land capability	l use value in reach is 3.2. previously organic.			<u> </u>	50 100 m Å	
		al infrastructure, althc the channel in the upp					
Funding and colland	aboration	opportunities	Caller Constant				

Water body ID	10624	Water body name	Scar Water		Ν	1CA rank	3	MCA score	46
Reach no.	1	Reach location	Downstream	ı half	C	ost band	4		
upstream of its c straightened and protection. Restoration opp • Re-meande	onfluence is constr ortunity ring, remo	large gravel-bed channe with the Nith, which l ained by embankment	nas been s and bank nd bank				E	Cample Wat	ter
operation o	f natural p capacity e. tial NFM			Scar Wa	ater		X	Nith main stem	
community	ship d capabilit	areness raising within y value in reach, 3.2. land use	ocal		400 m A			l tom	
	he centre	cal infrastructure, alther of the reach.	ough there is						
n/a							1		

Water body ID	10624	Water body name	Scar Water	MCA rank	12	MCA score	35
Reach no.	2	Reach location	Penpont	Cost band	2		-
		tely large, meandering preventing connection			Samuel Galerreit		
 Restoration opportunity Remove emblement floodplain and the second s	bankment nd enhand	ts to allow reconnectic cement of geomorphic y released, no status ir	process	NPONT			
Degree of potentNo significar				Flow		17	
 Potential to proximity to 	create reo Penpont	other pressures on the creational infrastructu areness raising within l	re due to				
-	capabilit	y value in reach, 3.2. antly improved pasture			0	100 200 m	
Constraints Possible con reach 	straint ca	used by road bridge in	centre of				
Funding and colla n/a	aboration	n opportunities					

Water body ID	10610	Water body name	Nith: Dumfries to Sanqhuar	MCA rank	7	MCA score	39
Reach no.	5	Reach location	Upstream Auldgirth	Cost band	5		
Context Approximately 3 straightened to t constrained by e Restoration opp • Re-meander protection t operation o • 10.5% MIm/ Degree of poten • No significan Other benefits • Significant p surrounding • Potential fo • Potential to Land use/owner	km reach c the right ha mbankmer ortunity ring, remov to allow red f natural pl AS capacity tial NFM b nt benefit l potential to g habitats r local awa address of ship d capability	on the main stem Nith, and side of its floodplaints in its lower section. val of embankments ar connection with floodp hysical process. y released, no improver penefit likely o increase connectivity reness raising ther pressures on chan	which has been n and d bank lain and ment to status. with	Cost band	5		SOOM A
Constraints Ongoing fish Funding and coll n/a		agement to reduce veg	getation				

10629	Water body name	Cample Water	MCA rank	10	MCA score	37
3	Reach location	Cample to New Cample	Cost band	1	-	
				-	- Flow	J.
AS capacity bank protectical proces mAS (and in tial NFM be nt benefit	released; improves statu ction would allow for gre s, but would release very acrease the cost of the o enefit reness raising	us from bad to poor. eater operation of y little capacity in ption).				0 100 m
s hip capability	value in reach, 3.2.					
id a new de	evelopment of houses do					
	3 ve meande nstrained b ortunity embankme as capacity pank protectical process mAS (and in cial process mAS (and in cial NFM be nt benefit clocal awar address oth ship capability predominar	3 Reach location ve meandering channel with signifinations that and bare that and that	3 Reach location Cample to New Cample ve meandering channel with significant gravel transport hstrained by embankments and bank protection Image: Complement of the significant gravel transport for the significant gravel transport fore	3 Reach location Cample to New Cample Cost band ve meandering channel with significant gravel transport hstrained by embankments and bank protection Image: Cost band Image: Cost band orrunity Image: Cost band Image: Cost band Image: Cost band orrunity Image: Cost band Image: Cost band Image: Cost band orrunity Image: Cost band Image: Cost band Image: Cost band orrunity Image: Cost band Image: Cost band Image: Cost band orrunity Image: Cost band Image: Cost band Image: Cost band Image: Cost band orrunity Image: Cost band Image: Cost band Image: Cost band Image: Cost band orrunity Image: Cost band Image: Cost band Image: Cost band Image: Cost band orrunity Image: Cost band Image: Cost band <td>3 Reach location Cample to New Cample Cost band 1 ve meandering channel with significant gravel transport istrained by embankments and bank protection Image: Cost band 1 ortunity embankments would allow reconnection with floodplain SC capacity released; improves status from bad to poor. bank protection would allow for greater operation of ical process, but would release very little capacity in mAS (and increase the cost of the option). Image: Cost band 1 ital NFM benefit it benefit Image: Cost band Image: Cost band 1 clocal awareness raising address other pressures on channel Image: Cost band Image: Cost band</td> <td>3 Reach location Cample to New Cample Cost band 1 ve meandering channel with significant gravel transport nstrained by embankments and bank protection Cost band 1 vertication Cost band 1 1 vertication Cost band 1 vertication Cost band to poor. Cost band to poor. vertication Cost of the option). Cost band vereation Cost of the option).</td>	3 Reach location Cample to New Cample Cost band 1 ve meandering channel with significant gravel transport istrained by embankments and bank protection Image: Cost band 1 ortunity embankments would allow reconnection with floodplain SC capacity released; improves status from bad to poor. bank protection would allow for greater operation of ical process, but would release very little capacity in mAS (and increase the cost of the option). Image: Cost band 1 ital NFM benefit it benefit Image: Cost band Image: Cost band 1 clocal awareness raising address other pressures on channel Image: Cost band Image: Cost band	3 Reach location Cample to New Cample Cost band 1 ve meandering channel with significant gravel transport nstrained by embankments and bank protection Cost band 1 vertication Cost band 1 1 vertication Cost band 1 vertication Cost band to poor. Cost band to poor. vertication Cost of the option). Cost band vereation Cost of the option).

Water body ID	10629	Water body name	Cample Water		MCA rank	14	MCA score	32
Reach no.	2	Reach location	Gallows Knowe		Cost band	1		
		f road bridge where m nectivity with floodplai				O		
Restoration opp							the states	
Remove em	-	ī.			1.	Teach and the		
• 4.7% MImA	S capacity	released, no improver	nent to status.	A. C. C.				
Degree of poten				the .		F	low	
No signification	nt benefit							and the
Other benefits	r local ave	areness raising						
		connectivity with surro	unding			Marin in		MITTER
habitats	increase c		unung					
	address o	ther pressures on the	channel					
Land use/owner		·			A.		N	
Highest land	capabilit	y value in reach, 3.2.			and the second		A 0 20 40 m	
Land use is i	mproved	pasture						
Constraints						-		
n/a					Mar an	a designed		
Funding and coll	aboration	opportunities					H	
n/a								

Water body ID	10633	Water body name	Laggan Burn		MCA rank	13	MCA score	34
Reach no.	1	Reach location	Downstream of A76		Cost band	1		
Context 900m of channel that has been rea		ream of confluence w nd embanked.	ith the Nith	/			Nith main ste	em
 Restoration oppo Embankmen floodplain an channel 10.2% MImA poor to mod Option could however, giv impact' this terms of MIn Degree of potent No significar Other benefits Potential to 	AS capacit lerate. d also inclerate. d also inclerate. ven that r would re mAS. tial NFM nt benefit	and capacity released al would allow reconne elp with recovery of re ty released, improves lude actions to re-mea realignment was classe lease little additional benefit	ealigned status from ander; ed as 'low capacity in aggan n Fari		eside Isle			
habitatsPotential to	address o	other pressures on the	channel	- Icle	Plantatio	1/ 1		
-	l capabilit	ty value in reach, 3.1. pasture and arable					H Hanne	
ConstraintsPossible con reach	straint ca	aused by road at upstr	eam end of					
Funding and collaPotential to	link with	n opportunities a project to remove t reach, planned by ND						

Water body ID	10633	Water body name	Laggan Burn		MCA rank	9	MCA score	37
Reach no.	2	Reach location	Woodhead		Cost band	2		
 the reach have b sections of emba artificial off-line Restoration opp Re-meande culverts to i Remove em floodplain. 11.1% MIm, to moderate Degree of poten Overall NFM Other benefits Significant p surrounding 	ough wood been subje ankments, pond adja ortunity r in realigr increase m bankment AS capacit e. ditial NFM I d benefit s potential ta g habitat	dland and improved pas oct to realignment. Ther one of which is associa ocent to the right bank. ned sections; remove w horphological diversity ts to increase connectiv	ture. Parts of e are two ted with an eir and ity with atus from poor	Flow	Woodhead Co Crory Wood			
 Land use/owner Highest land Land use ind 	r ship d capabilit	y value in reach, 4.1. ture and woodland						
	this may r habitats.	ents forms a bund for the pone of the pone	•					

Water body ID	10631	Water body name	Crichope Linn		MCA rank	8	MCA score	38
Reach no.	1	Reach location	Adjacent to fore	estry	Cost band	3		
Reach no. Context 1.2km reach. Mir moorland, which forestry, resultin Restoration opp • Mitigate hig be needed t involve mea to its natura • Enhance veg reach	1 nor headw has been g in a ditch ortunity h impact r o determin sures that o determin sures that o form (like getation st AS capacity o good tial NFM b	Reach location ater channel flowing th realigned/straightened a-like channel form. ealignment. Further as ne an appropriate appr encourage the channe ely to be a wetland). ructure and complexity released, improves sta	Adjacent to fore rough upland adjacent to sessment would bach, but may to revert back throughout				MCA score	38
• Land is unim	l capability nproved up n ditches, w nk.	v value in reach, 6.3. pland grazing of low agr with a coniferous forest opportunities		0 100 200 m Å				