## **APPENDIX I**

Reach summary sheets

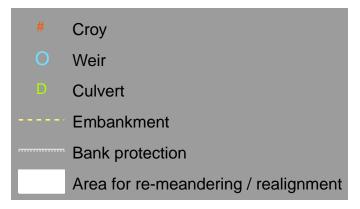
### Information for reach summary sheets

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



River Dee restoration, cbec UK Ltd, October 2013

Water body ID	23315	Water body name	Dee - Peterculter to tidal limit		MCA rank	1	MCA score	73
Reach no.	3	Reach location	Milltimber to Ardoe House Hotel		Cost band	5		
Context								
3.9 km channel le	ngth of the	e lower Dee main stem,	flowing through moderately high a	uality agricultural land a	and close to the	Aberd	een conurbatio	n. Embankments
and bank protecti	on limit co	nnectivity with the floo	dplain, while historic straightening	further limits geomorph	nological activit	у.		
Restoration opp	ortunity a	nd capacity released	1000			Martine.	State of a	IL NO YE
	0.	val of embankment and				( Des		1 6 311
		connection with floodpl	ain and	a balle	and the			and the second
increase mo	orphologica	al diversity.	MILLTIMBER	Ellen Jose The V		and the second	14.00 A	N. A.C.
• 94.4% maxi	mum capa	city released, improves	status and a status				Als main	all of some
from 'bad' t	o 'modera	te'.		ALC A				11 10 20
Degree of poten	tial NFM b	enefit			offer.		12.	
<ul> <li>Predicted re</li> </ul>	eduction in	downstream flood pea	k by 6%	A PARAL	A service	No.	and and	Contraction of
<ul> <li>Floodplain r</li> </ul>	econnectio	on NFM ranking: 1				and the second		
Other benefits			and all a starting and				\	
<ul> <li>Potential to</li> </ul>	create rec	reational infrastructure	and for		1			
local aware	ness-raisin	g due to proximity to a	significant	1 Marcaller	Malant	1	Lin R	a) (A)
population.				and the second	Flow	in the second		1913
		mon, otter, and fresh w	ater pearl	And the second second	Las p		1/1 · · · · · · · · · · · · · · · · · ·	
		ecies within the SAC)			Part Aller	4.1		TAI AS A
Land use/owner	•			a second and				A Bush
-		value in reach, 3.2.		A Card		2.	AT .	And N - N
•		ainly improved pasture	and	A		-	0 ,250	500 m
arable cultiv			Microsoft product screen shot rep	rinted with permission from Microsoft Corp	oration			
	at the dow	vnstream end of the rea	ch and a second se	and the second s		1919 A	20 <sup>2</sup>	
Constraints								
		used by proposed devel	•					
		peripheral route, which	will cross					
	•	im end of the reach.						
-		at upstream end of rea	ch					
Funding and col	aboration	opportunities		Note: This information		•	-	
n/a				recommended that a fie	eia reconnaissance	survey i	s carried out to ver	Ty the information.

Water body ID	23321	Water body name	Leuchar Burn	MCA rank	2	MCA score	60
Reach no.	2	Reach location	Garlogie to Broadwater	,		Cost band	4
Context							
3.4 km length of c	hannel flow	ing through mixed farmla	nd. Straightening has reduced morphologica	al diversity and reduced co	nnectivity	y with floodplain.	
<ul> <li>protection to and operation</li> <li>Enhance vegethroughout research</li> <li>49.9% MImAS</li> </ul>	ng, removal allow recon n of natural etation struc each S capacity re	capacity released of embankments and bar nection with floodplain physical process. cture and complexity eleased; improves status	k Value of the second s		ł		
from 'poor' to		- f:+		Mannon 19	A		and the
<ul> <li>Degree of potenti</li> <li>No significant</li> </ul>							
surrounding F Potential to r Potential for F Positive impa	nabitats educe diffus local awarei ct on salmo	•	Flow				
<ul> <li>Land use/ownersl</li> <li>Highest land of</li> </ul>	•	alue in reach, 3.2.	0 200 400 m				
Constraints			Microsoft product screen shot reprinted with permission fra	om Microsoft Corporation		in This second	
n/a					HOR DANK		and the second s

# Funding and collaboration opportunities

Potential to link with other projects. Immediately upstream, a feasibility study has been undertaken for removal of Garlogie dam and some consideration of modifying Loch of Skene weir

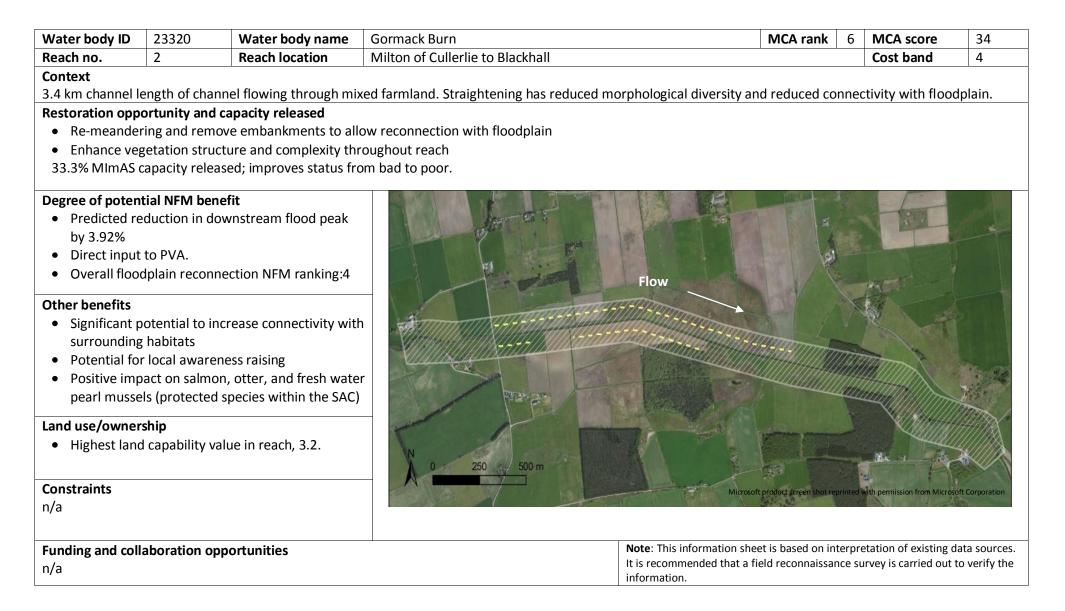
**Note**: This information sheet is based on interpretation of existing data sources. It is recommended that a field reconnaissance survey is carried out to verify the information.

Water body ID	23338	Water body name	Tarland Burn	MCA rank	3	MCA score	41
Reach no.	4	Reach location	Tarland to Bridgend Steading	Cost band	4		
Context	·						
3.5 km reach flo	wing throug	gh mixed farmland. Straigh	tening has reduced morphological diversity and reduced connectivit	y with flood	lplain.		
<b>Restoration opp</b>	ortunity an	d capacity released			to the second		
Re-meande	ring and rer	noval of embankments to	TARLAND				
allow recon	nection wit	h floodplain and increase					
morphologi	cal diversity	/.			there		
<ul> <li>Enhance ver</li> </ul>	getation str	ucture and complexity					
throughout							
		released, improves status		and the			
from 'bad' t	•				5	inter (	
Degree of poten							
	eduction in	downstream flood peak b		men			
5.41%.			Flow				Clerk
	dplain reco	nnection NFM ranking: 2	FIOW	<u> V</u>	And the second		150 -
Other benefits			and a second and a				
		non, otter, and fresh wate			UNA,		
•		ed species within the SAC)		The second			
		reness raising due to		A. S. S.			
proximity to					×.		51
		use pollution.			and l		1
Land use/owner	•		0 250 500 m				
Highest land	d capability	value in reach, 3.2.		A Grand			
<u> </u>			Microsoft product screen shot reprinted with permission from Microsoft Corporation				Te
Constraints							
		r on site over summer.			This is f		! .
Funding and col						rmation sheet is ba of existing data sou	
<ul> <li>Adjacent to</li> </ul>	3Dee Visio	n WWTW wetland.				that a field reconna	

interpretation of existing data sources. It is recommended that a field reconnaissance survey is carried out to verify the information.

Water body ID	23322	Water body name	Brodiach Burn / Ord Burn	MCA rank	4	MCA score	39
Reach no.	1	Reach location	Downstream Easter Ord Farm			Cost band	3
downstream half	of reach.		nment reduce connectivity with flood	plain and reduce morphological div	ersity. Imp	oounded online pc	ond in
<ul> <li>Re-meandering allow reconnerging</li> <li>Weir removal – however, a service verify the nature and assess whether Enhance veget throughout reging 52.6% MImAS from 'bad' to ' Degree of potent</li> </ul>	ig and re- ection wit to impro site visit s ure of the ether im tation str tation str ach capacity 'moderat <b>ial NFM</b>	move embankments t in floodplain we longitudinal conne should be undertaken e weir and impoundm pacts would be benef ructure and complexit released; improves s re'.	ctivity to ent icial y catus		Flov	V	EASTER ORD
	lain reco	nnection NFM rankin	g: 5		2	A. The	all and a
	ct on saln	reness raising non, otter, and fresh ed species within the					
<ul><li>Land use/owners</li><li>Highest land c</li></ul>	-	value in reach, 3.2.				0 150	300 m
Constraints			Microsoft product screen shot reprinted with p	emission from Microsoft Corporation	S SAM	A ROOM AND	A de
n/a							
Funding and colla n/a	boratior	n opportunities		<b>Note</b> : This information sheet is based or recommended that a field reconnaissa	•	-	

Water body ID	23316	Water body name	Dee - Banchory to Peterculter MCA ra	ank 5	MCA score	40
Reach no.	4	Reach location	Park House		Cost band	4
	-		ee, within a valuable fishery. Embankments reduce connectivity with the flc es. Bankside vegetation structure and complexity poor due to fishery mana	•	while croys and	bank
<ul> <li>Restoration opp</li> <li>Remove em floodplain.</li> <li>Remove bar increase in r</li> <li>Enhance veg reach.</li> </ul>	ortunity and bankments nk protection norphologic getation stru 5 capacity re	d capacity released to allow reconnection wir n and croys to encourage	th an oughout			
<ul> <li>Degree of poten</li> <li>Predicted re (0.63%)</li> </ul>	tial NFM be duction in d	nefit lownstream flood peak b nection NFM ranking: 6	y 5.1 m <sup>3</sup> /s			
Other benefits <ul> <li>Potential to habitats</li> <li>Potential for</li> </ul>	increase con r local aware act on salm	nnectivity with surroundi eness raising on and fresh water pearl				
<ul><li>Land use/owner</li><li>Highest land</li><li>High value f</li></ul>	l capability v	value in reach, 3.1.				
<b>Constraints</b> n/a				-	and the second s	
Funding and coll n/a	aboration o	pportunities		o	150 300	Ť.



Water body ID	23327	Water body name	Dess Burn - upper	MCA rank	7 MCA score	32
Reach no.	1	Reach location	Downstream Mill Farm		Cost band	3
Context 1.6 km channel le farmland. Straigh morphological div embankment has floodplain. Restoration oppo • Re-meander allow reconr • Enhance veg throughout r	ength flowi tening has versity and reduced c ortunity an ing and ren nection wit reach. S capacity 'bad' to 'm ial NFM be	ng through mixed reduced l, together with connectivity with <b>Id capacity released</b> move embankment to h floodplain. Fucture and complexity released; improves oderate'.	Downstream Mill Farm	Flow	Cost band	3
Positive impa water pearl in the SAC).  Land use/owners	act on salm mussels (pi ship	reness raising non, otter, and fresh rotected species within value in reach, 3.2.	N 0 100 200m	Microsoft product.screen.sho	obrephinted with permission from Microsof	Corporation
<ul><li>Funding and colla</li><li>Possibility to</li></ul>		opportunities te with RSPB proposed v	wetland scheme.	<b>Note</b> : This information sheet is ba It is recommended that a field rec information		

Reach no. 2 Reach					MCA score	30
	h location Loch of Parl	ridge		· · · · · · · · · · · · · · · · · · ·	Cost band	4
<ul> <li>Context</li> <li>3.1 km length of channel flowing to Straightening has reduced morphe connectivity with floodplain. Culve further limit operation of natural protection opportunity and capa</li> <li>Re-meandering, removal of e protection to allow reconnection of natural physical</li> <li>Enhance vegetation structure reach.</li> <li>24.0% MImAS capacity release 'bad' to 'poor'.</li> <li>Degree of potential NFM benefit</li> <li>No significant benefit likely</li> <li>Other benefits</li> <li>Significant potential to increase surrounding habitats</li> <li>Potential for local awareness</li> <li>Positive impact on salmon, of mussels (protected species we capability value)</li> <li>Constraints n/a</li> </ul>	through mixed farmland. hological diversity and vert and bank protection l physical processes pacity released embankments and bank ction with floodplain and al process. re and complexity throughout ased; improves status from t ease connectivity with es raising otter, and fresh water pearl within the SAC).		from Microsoft Corporation		Flow Burger and a second secon	
Funding and collaboration opport	rtunities		formation sheet is bas ed that a field reconna		etation of existing data	

Water body ID	23338	Water body name	Tarland Burn	MCA rank	9	MCA score	30
Reach no.	5	<b>Reach location</b>	Hopeswell to Tarland			Cost band	4
embankments re- Restoration oppo Re-meander Enhance veg	duce conr rtunity a ng, remo etation st	nectivity with the flood nd capacity released val of embankments, l ructure and complexit	ank protection and culverts to allow reconnection y throughout reach.				ttent
Degree of potent     No significan	ial NFM b	penefit	ratus from 'bad' to 'poor'.				
<ul> <li>surrounding</li> <li>Potential for Tarland</li> <li>Potential to</li> <li>Positive implication</li> </ul>	habitats. local awa educe dil act on sali	o increase connectivity areness raising due to ffuse pollution. mon, otter, and fresh ecies within the SAC).	proximity to	Flow			
Land use/owners	hip	y value in reach, 3.1.	0 300 600 m N	1-199%			
<ul> <li>Constraints</li> <li>Downstream the scope an</li> </ul>		each is within Tarland, of works.	which may limit	nission from Microsoft Corporation			
Funding and colla	boration	opportunities		ation sheet is based on interpretation on a state on the state of the	-		mmended

Water body ID	23320	Water body name	Gormack Burn	MCA rank	10	MCA score	30
Reach no.	1	Reach location	Blackhall to Mid-Anguston			Cost band	4
Context							
2.4km length of	channel flov	wing through mixed farm	lland. Straightening and embankment	s have reduced morphological divers	ity and co	onnectivity with f	loodplain.
	•	capacity released			AL CAL		
	-	ove embankments to			1. State	1 1 marsh	
allow reconn		•			E. M.	and in	
-		cture and complexity			Cheer St.	in d	Contraction of the
throughout r				1 1 Product (	1000	Campon	
		eleased; improves status			. 1	and the second	
from 'bad' to Degree of potent		ofit				- TON	
		wnstream flood peak by					Pro
• Fredicted rec 1.46%.		Wilstream nood peak by		Flow		ALC: NO	SITTE
<ul> <li>Direct input 1</li> </ul>	to PVA				2 11	mmmmm	
•		ection NFM ranking: 7		TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT		11 Anna Martin	
Other benefits		0					
Potential for	local aware	ness raising.					
Potential to a	create recrea	ational infrastructure.					
Positive impa	act on salmo	n, otter, and fresh water				TE	- And a star
pearl mussel	s (protected	species within the SAC).	Stand States		and the		
Land use/owners	hip					150 300 m	
Highest land	capability va	alue in reach, 3.2.					
				. Participation	711		
Constraints			Microsoft product screen shot reprinted with permis	ssion from Microsoft Corporation	a filment	- The second	and the
	m adjacent t	to reach may limit extent					
of works				Note: This isfermation shout is been down			
Funding and colla	boration op	portunities		<b>Note</b> : This information sheet is based on recommended that a field reconnaissance	•		
n/a				information			