

Appendix B – Supporting Information

1. CAR LICENCES

	SEPA CAR License references	Crown Estate reference
BANFF McDUFF		
Whitehills (West)	CAR/L/1004134, CAR/L/1004135	
Whitehills Harbour (East)	CAR/L/1008695	
Inverboyndie	CAR/L/1004230	BA-5-8
Scotstown	CAR/L/1004143	BA-5-2
Craigfauld	CAR/L/1035447	BA-5-2
Bankhead	CAR/L/1004138	
Union Rd.	CAR/L/1004140	BA-5-2
MORAY EAST		
Portgordon East	CAR/L/1136190	BA-5-2
Portgordon West	CAR/L/1136191	BA-5-2
Portgordon West		BA-5-2
Portgordon West		BA-5-2
Seatown	CAR/L/1003080	
Portessie	CAR/L/1004130	BA-5-2
Cluny	CAR/L/1003081	BA-5-2
Nook	CAR/L/1003087	BA-5-2
Shipyard	CAR/L/1004127, CAR/L/1004128	
Portknockie	CAR/L/1136184	BA-5-2
Findochty	CAR/L/1003087	BA-5-2
Cullen	CAR/L/1003083	BA-5-2
MORAY WEST		
Hopeman	CAR/L/1003084	BA-5-2
Burghead	CAR/L/1136195	BA-5-2
Cummingston	CAR/L/1136194	BA-5-2

2. OUTFALL AREAS

	Length (m)	Diameter (m)	Pipe area	Casing & rock armour width (500mm sides & top) - +1m for area	Combined 'repair' target area
BANFF McDUFF					
Whitehills (West)	102	0.25	25.50	102	127.50
Whitehills Harbour (East)	118	0.15	17.70	118	135.70
Inverboyndie	260	0.30	78	260	338
Scotstown	66	0.30	19.80	66	85.80
Craigfauld	72	0.80	57.60	72	129.60
Bankhead	71	0.53	37.28	71	108.28
Union Rd.	87	0.53	45.68	87	132.68
Average Area					151.08
MORAY EAST					
Portgordon East	115	0.30	34.50	115	149.50
Portgordon West	239	0.30	71.70	239	310.70
Seatown	109	0.65	70.85	109	179.85
Portessie	107	0.15	16.05	107	123.05
Cluny	95.5	0.60	57.3	95.5	152.8
Nook	60	0.30	18.00	60	78
Shipyards	70	0.68	47.25	70	117.25
Portknockie	30.60	0.38	11.48	30.60	42.08
Findochty	100	0.50	50	100	150
Cullen	70	0.60	42	70	112
Average Area					141.52
MORAY WEST					
Hopeman	355	0.45	159.75	355	514.75
Burghead	320	0.60	192	320	512
Cummingston	220	0.15	33	220	253
Average Area					426.58
Combined Average Area					
					239.73

3. LOCATION COORDINATES

Existing Sites

Cluny	N57° 40.695'	W002° 58.485'
	N57° 40.664'	W002° 58.437'
	N57° 40.655'	W002° 58.449'
	N57° 40.689'	W002° 58.501'
Cullen	N57° 41.655'	W002° 49.291'
	N57° 41.655'	W002° 49.298'
	N57° 41.655'	W002° 49.301'
	N57° 41.655'	W002° 49.302'
	N57° 41.658'	W002° 49.301'
	N57° 41.666'	W002° 49.299'
	N57° 41.667'	W002° 49.299'
	N57° 41.667'	W002° 49.298'
	N57° 41.681'	W002° 49.278'
	N57° 41.685'	W002° 49.276'
	N57° 41.688'	W002° 49.274'
	N57° 41.686'	W002° 49.264'
	N57° 41.683'	W002° 49.265'
	N57° 41.679'	W002° 49.267'
	N57° 41.678'	W002° 49.268'
	N57° 41.677'	W002° 49.268'
	N57° 41.664'	W002° 49.289'
	N57° 41.657'	W002° 49.291'
N57° 41.656'	W002° 49.291'	
Cunnington	N57° 42.221'	W003° 27.476'
	N57° 42.266'	W003° 27.390'
	N57° 42.274'	W003° 27.407'
	N57° 42.307'	W003° 27.367'
	N57° 42.301'	W003° 27.349'
Hopeman	N57° 42.731'	W003° 26.141'
	N57° 42.738'	W003° 26.105'
	N57° 42.714'	W003° 26.086'
	N57° 42.647'	W003° 26.100'
	N57° 42.623'	W003° 26.066'
	N57° 42.628'	W003° 26.086'
	N57° 42.634'	W003° 26.103'
	N57° 42.638'	W003° 26.112'
	N57° 42.643'	W003° 26.122'
	N57° 42.647'	W003° 26.122'
	N57° 42.657'	W003° 26.119'
	N57° 42.675'	W003° 26.123'
	N57° 42.677'	W003° 26.123'
	N57° 42.678'	W003° 26.123'
	N57° 42.687'	W003° 26.126'
N57° 42.691'	W003° 26.131'	

	N57° 42.712'	W003° 26.127'
Inverboyndie	N57° 40.475'	W002° 33.567'
	N57° 40.471'	W002° 33.502'
	N57° 40.423'	W002° 33.522'
	N57° 40.425'	W002° 33.538'
	N57° 40.352'	W002° 33.569'
	N57° 40.355'	W002° 33.575'
	N57° 40.358'	W002° 33.583'
	N57° 40.361'	W002° 33.592'
	N57° 40.363'	W002° 33.597'
	N57° 40.427'	W002° 33.570'
	N57° 40.428'	W002° 33.586'
Nook	N57° 40.764'	W002° 57.729'
	N57° 40.716'	W002° 57.698'
	N57° 40.712'	W002° 57.718'
	N57° 40.760'	W002° 57.750'
Portessie	N57° 41.214'	W002° 56.251'
	N57° 41.216'	W002° 56.227'
	N57° 41.156'	W002° 56.204'
	N57° 41.153'	W002° 56.229'
Portgordon East	N57° 39.953'	W003° 00.625'
	N57° 39.989'	W003° 00.648'
	N57° 39.992'	W003° 00.650'
	N57° 39.994'	W003° 00.640'
	N57° 39.991'	W003° 00.638'
	N57° 39.954'	W003° 00.614'
Portgordon West	N57° 39.953'	W003° 00.625'
	N57° 39.927'	W003° 01.308'
	N57° 39.931'	W003° 01.288'
	N57° 39.826'	W003° 01.204'
Portnockie	N57° 39.826'	W003° 01.227'
	N57° 42.318'	W002° 51.649'
	N57° 42.334'	W002° 51.653'
	N57° 42.340'	W002° 51.643'
	N57° 42.360'	W002° 51.628'
	N57° 42.364'	W002° 51.592'
	N57° 42.342'	W002° 51.627'
	N57° 42.336'	W002° 51.634'
	N57° 42.331'	W002° 51.632'
	N57° 42.329'	W002° 51.634'
	N57° 42.325'	W002° 51.634'
	N57° 42.323'	W002° 51.640'
N57° 42.321'	W002° 51.645'	
Seatown	N57° 40.674'	W002° 58.774'
	N57° 40.674'	W002° 58.733'
	N57° 40.586'	W002° 58.732'
	N57° 40.585'	W002° 58.735'
	N57° 40.571'	W002° 58.817'

	N57° 40.581'	W002° 58.821'
	N57° 40.589'	W002° 58.774'
Shipyard	N57° 40.968'	W002° 57.182'
	N57° 40.958'	W002° 57.116'
	N57° 40.954'	W002° 57.117'
	N57° 40.947'	W002° 57.116'
	N57° 40.958'	W002° 57.188'

New Sites

Burghead	N57° 42.13274389'	W003° 28.96470061'
	N57° 42.13358982'	W003° 28.96392291'
	N57° 42.16648144'	W003° 28.93288203'
	N57° 42.16653800'	W003° 28.93282867'
	N57° 42.16659324'	W003° 28.93277068'
	N57° 42.20294918'	W003° 28.89461855'
	N57° 42.20325242'	W003° 28.89430033'
	N57° 42.20350651'	W003° 28.89385615'
	N57° 42.21045222'	W003° 28.88171380'
	N57° 42.21255677'	W003° 28.87803466'
	N57° 42.20862523'	W003° 28.87015690'
	N57° 42.20652069'	W003° 28.87383604'
	N57° 42.19982905'	W003° 28.88553421'
	N57° 42.16383155'	W003° 28.92331013'
	N57° 42.13184832'	W003° 28.95345363'
N57° 42.13274389'	W003° 28.96470061'	
Bankhead	N57° 40.36327104'	W002° 29.60049261'
	N57° 40.37155642'	W002° 29.59469745'
	N57° 40.39276522'	W002° 29.58608430'
	N57° 40.39558179'	W002° 29.58494046'
	N57° 40.39435846'	W002° 29.57440624'
	N57° 40.39154189'	W002° 29.57555008'
	N57° 40.37013149'	W002° 29.58424511'
	N57° 40.36992991'	W002° 29.58432698'
	N57° 40.36973665'	W002° 29.58446167'
	N57° 40.36060300'	W002° 29.59080762'
	N57° 40.36327104'	W002° 29.60049261'
Craigfauld	N57° 40.30477959'	W002° 29.31189905'
	N57° 40.33292041'	W002° 29.36239415'
	N57° 40.33499918'	W002° 29.36612772'
	N57° 40.33899236'	W002° 29.35835307'
	N57° 40.33691355'	W002° 29.35461944'
	N57° 40.30821777'	W002° 29.30308114'

	N57° 40.30767373'	W002° 29.30208999'
	N57° 40.30477959'	W002° 29.31189905'
Findochty	N57° 41.90255640'	W002° 54.44229026'
	N57° 41.91354538'	W002° 54.44642274'
	N57° 41.91371226'	W002° 54.44648553'
	N57° 41.91388196'	W002° 54.44651113'
	N57° 41.94351462'	W002° 54.45097477'
	N57° 41.94638549'	W002° 54.45140720'
	N57° 41.94684768'	W002° 54.44066218'
	N57° 41.94397678'	W002° 54.44022970'
	N57° 41.91451382'	W002° 54.43579166'
	N57° 41.90252547'	W002° 54.43128156'
	N57° 41.90136249'	W002° 54.43087252'
	N57° 41.90255640'	W002° 54.44229026'
Scotstown	N57° 40.18711337'	W002° 32.07674183'
	N57° 40.18815966'	W002° 32.07763790'
	N57° 40.18959511'	W002° 32.07882804'
	N57° 40.19026454'	W002° 32.07938309'
	N57° 40.19099448'	W002° 32.07927335'
	N57° 40.21959922'	W002° 32.07497373'
	N57° 40.22247240'	W002° 32.07454189'
	N57° 40.22201049'	W002° 32.06379677'
	N57° 40.21913728'	W002° 32.06422866'
	N57° 40.19170686'	W002° 32.06834993'
	N57° 40.19114025'	W002° 32.06877826'
	N57° 40.18832266'	W002° 32.07489234'
	N57° 40.18711337'	W002° 32.07674183'
	Union Road	N57° 40.17031911'
N57° 40.17113398'		W002° 30.10083540'
N57° 40.17151458'		W002° 30.10229703'
N57° 40.17286701'		W002° 30.10716054'
N57° 40.17490887'		W002° 30.10604543'
N57° 40.18943358'		W002° 30.10171427'
N57° 40.18946312'		W002° 30.10170549'
N57° 40.18949258'		W002° 30.10169552'
N57° 40.19308504'		W002° 30.10048080'
N57° 40.19343471'		W002° 30.10036254'
N57° 40.19375856'		W002° 30.10008906'
N57° 40.19636255'		W002° 30.09788993'
N57° 40.19898954'		W002° 30.09567140'
N57° 40.19661661'		W002° 30.08584713'
N57° 40.19398962'		W002° 30.08806567'
N57° 40.19170948'		W002° 30.08999131'
N57° 40.18849616'		W002° 30.09107781'

	N57° 40.17381784'	W002° 30.09545478'
	N57° 40.17363468'	W002° 30.09550938'
	N57° 40.17345680'	W002° 30.09560742'
	N57° 40.17069961'	W002° 30.09712704'
	N57° 40.17031911'	W002° 30.09732097'
Whitehills Harbour	N57° 40.85834050'	W002° 34.65790362'
	N57° 40.86690873'	W002° 34.67450066'
	N57° 40.86746485'	W002° 34.67557804'
	N57° 40.86823842'	W002° 34.67596439'
	N57° 40.89379844'	W002° 34.68873003'
	N57° 40.89658249'	W002° 34.69012051'
	N57° 40.89806924'	W002° 34.67970557'
	N57° 40.89528521'	W002° 34.67831514'
	N57° 40.87049877'	W002° 34.66593585'
	N57° 40.86254497'	W002° 34.65052017'
	N57° 40.86043065'	W002° 34.65445694'
	N57° 40.85834050'	W002° 34.65790362'
Whitehills	N57° 40.65166350'	W002° 35.05845590'
	N57° 40.70754916'	W002° 35.06127638'
	N57° 40.71793315'	W002° 35.06626531'
	N57° 40.72072432'	W002° 35.06760637'
	N57° 40.72215833'	W002° 35.05716556'
	N57° 40.71936713'	W002° 35.05582456'
	N57° 40.70866869'	W002° 35.05068448'
	N57° 40.70835423'	W002° 35.05053335'
	N57° 40.70802965'	W002° 35.05051697'
	N57° 40.65118416'	W002° 35.04760713'
	N57° 40.65142292'	W002° 35.05365103'
	N57° 40.65166350'	W002° 35.05845590'