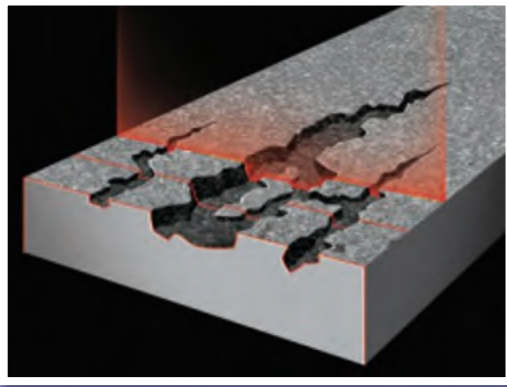


Appendix to Chapter 15: Material Assets (Roads)

Appendix 15.2: Pavement Condition Survey

The data and descriptions in this appendix have informed the cumulative evaluations in the EIA Main Report.



Pavement Condition Survey for Upperchurch Windfarm Grid Connection, Co. Tipperary

On behalf of:
Ecopower Developments Ltd.

Video Pavement Condition Index (vPCI) Survey Report



DOCUMENT CONTROL SHEET

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1. Introduction

A pavement condition survey of the Upperchurch Windfarm Grid Connection, Co Tipperary was carried out by PMS Pavement Management Services Ltd. on behalf of Ecopower Developments Ltd. in January and June 2019. The pavement condition survey comprised a video survey and pavement condition index (vPCI) survey for the network. The video data collection survey in the field was carried out on the 21st of January and the 11th June 2019. This report presents the results of the vPCI survey carried out on these dates.

Table 1 gives a description of the road network surveyed including the road number, lane or survey direction and measured length for each section. GPS co-ordinates at the beginning and end of each section are also indicated in Table 1.

Road No.	Lane/Dir	Length (m)	ITM (From)		ITM (To)	
			E	N	E	N
L2166-0 Newport to Coole	NB	2290	572392.4	662364.0	572960.6	664559.3
L2166-0 Coole to Newport	SB	2290	572962.3	664565.0	572398.5	662367.6
L6013-0 Oakhampton to Coole	WB	1200	573820.7	663388.0	573621.1	663150.2
L2156-0 Rockvale	NB	300	573619.0	663141.1	574385.0	663040.3
L2156-0 Rockvale	SB	300	573611.4	663146.5	573819.5	663380.9
L2157-0 Ahane Cross to Rockvale	WB	790	574400.1	663037.5	573336.2	662024.7
L2157-0 Rockvale to Ahane Cross	EB	790	574387.4	663036.8	573610.6	663130.6
L6009-0 Derryleigh to Ahane Cross	NB	1800	573324.3	662048.2	574398.0	663029.2
R503 Newport to Knockmaroe	EB	23190	572396.3	662359.8	592544.4	659758.1
R503 Knockmaroe to Newport	WB	23190	592542.4	659757.2	572401.5	662356.7
L2264-50 at Knockmaroe	EB	1930	592551.6	659763.7	593983.6	660695.6
L6188-0 at Knockmaroe	EB	1230	593994.7	660697.2	595035.3	660572.9

Table 1: Network Description

2. Data Collection

The data collection survey of the road network in the field is carried out using a specialised video survey vehicle equipped with a high-definition video camera, distance measurement instrument (DMI), and GPS receiver. The video survey is typically carried out at normal traffic speeds, depending on road condition and road geometrics. The survey vehicle captures forward viewing video of the road surface using a high-definition video camera. The video data is recorded using both chainage and GPS referenced coordinate systems by an on-board computer. The condition of the roads surveyed can be assessed by a visual condition survey from the video recorded. Each video frame is stamped with road segment ID, date, time and chainage, and the frames are compressed to retain maximum definition at minimum storage space. The video frames and associated information are then written to a high-speed hard disk.

Once the data is collected in the field, all of the remaining post-processing can be carried out indoors. The visual assessment of the road sections was carried out in the office by viewing the video recording for each road and identifying the type, severity and quantity of the distresses present using the PCI methodology described below.

3. Pavement Condition Index (PCI)

The Pavement Condition Index (PCI) procedure was developed by the U.S. Army Corps of Engineers in the early 1970's. It is one of the most comprehensive visual pavement inspection systems and has been extensively refined and improved over the past 40 years. The detailed PCI rating procedures are outlined in U.S. Army Technical Manual 5-623 *"Pavement Maintenance Management"* and U.S. Army Construction Engineering Research Laboratory (CERL) Technical Report M-294 *"Pavement Maintenance Management for Roads and Parking Lots"*.

The PCI inspection system is based on a defined index of between 0 and 100 that all pavements must lie between. A new pavement (theoretically distress-free) has a PCI of 100. For each distress measured, a "deduct value" is calculated depending upon the nature of the distress, its severity and quantity. The deduct values are summed, adjusted to take into account the total number of distresses identified, and then subtracted from 100 to give the PCI index for the pavement.

A breakdown of pavement classification by PCI is given in Table 2.

PCI Range	Pavement Condition Rating
85 to 100	Very Good
65 to 85	Good
50 to 65	Fair
40 to 50	Poor
20 to 40	Very Poor
< 20	Fail

Table 2: Pavement Classification based on PCI

A modified version of the U.S. Army Corps of Engineers PCI methodology based on a windshield survey from a slow-moving vehicle was developed in Ireland in the 1990's.

Modifications to the windshield survey were then developed to provide a video PCI (vPCI) methodology. There were 19 original distresses specified under the U.S. PCI methodology and 10 distresses were retained for the Irish method. The distresses can be grouped into four categories as shown in Table 3.

Surface Defects	Openings in Surface	Cracking	Pavement Deformation
Bleeding	Potholes	Alligator Cracking	Rutting
Ravelling	Road Disintegration	Edge Break-up	Depressions
Patching		Cracking - Other	

Table 3: Irish Distresses Grouped by Category

The Non-National Roads Pavement Condition Study; *“Windshield Distress Catalogue Descriptions and Rating Procedures”* pavement inspection manual has been produced specifically for Irish road conditions. It describes each distress type, how to distinguish between severity levels and displays photographs for every distress type/severity combination. Depending upon the distress type there is one, two or three severity levels defined. Bleeding, for example, has only one severity level defined, while Potholes and Patching have three severity levels.

The vPCI survey is carried out on every 100-metre sample unit of the road network survey from the video recorded in the field. The type, severity and quantity of pavement distress for

each 100-metre length of pavement is identified and stored. The vPCI rating, structural index and surface index is calculated from the distress data collected.

The vPCI value provides an overall measure of the pavement condition based on the PCI scale, and provides information on the types and quantities of the pavement defects. The Structural Index reflects the percentage contribution of load-related distresses (potholes, rutting, alligator cracking, edge cracking, and road disintegration) to the overall vPCI value. The Surface Index reflects the percentage contribution of surface-related distresses (bleeding, ravelling) to the overall vPCI value. The remainder of the deduct is primarily attributable to patching, which is not classified as load or surface related in the present definitions.

4. Survey Results

Table 4 presents the overall average vPCI section results. The standard deviation of the vPCI values is shown to quantify the variability of vPCI values over the section. The Structural Index and Surface Index results for each section are also given in Table 4.

A breakdown of the distress data based on distress type is given in Tables 5, 6 & 7. Table 5 displays the distress types sorted by number of occurrences. Table 6 shows the distress type sorted by average quantity of distress per occurrence, expressed as a percentage of the total area of the sample unit. Table 7 shows the distress type sorted by average deduct value for each distress per occurrence.

Appendix A details the vPCI, Structural Index and Surface Index results for each 100-metre sample unit. The sample unit number increases in the direction of traffic on all sections. Detailed results of all distresses including type, severity and quantity for each 100-metre sample unit are also available, if a more detailed subsequent examination is required.

Resurfacing works were carried out in August 2019 on two sections of the R503. They are highlighted in Appendix A as section 123-130 and section 193-202.

Appendix B contains a site map showing the location and extent of each section.

Road No.	Lane/Dir	vPCI	Rating	Standard Deviation	% Structure	% Surface
L2166-0 Newport to Coole	NB	57	Fair	24	35	25
L2166-0 Coole to Newport	SB	46	Poor	23	33	20
L6013-0 Oakhampton to Coole	WB	62	Fair	24	38	32
L2156-0 Rockvale	NB	50	Fair	17	70	21
L2156-0 Rockvale	SB	49	Poor	4	63	26
L2157-0 Ahane Cross to Rockvale	WB	36	Very Poor	26	15	23
L2157-0 Rockvale to Ahane Cross	EB	57	Fair	28	41	27
L6009-0 Derryleigh to Ahane Cross	NB	81	Good	16	32	47
R503 Newport to Knockmaroe	EB	82	Good	23	50	27
R503 Knockmaroe to Newport	WB	81	Good	24	47	24
L2264-50 at Knockmaroe	EB	71	Good	24	46	24
L6188-0 at Knockmaroe	EB	73	Good	24	45	24

Table 4: PCI Section Results

Name	No. Of Occurrences
Ravelling	325
Rutting	222
Patching	208
Bleeding	207
Edge Breakup	58
Alligator	46
Depression	31
Other Cracking	22
Potholes	17
Disintegration	0

Table 5: Distresses Sorted by Number of Occurrences

Name	Average Quantity
Bleeding	14
Alligator	13
Patching	9
Ravelling	8
Rutting	7
Depression	2
Potholes	1
Edge Breakup	1
Other Cracking	1
Disintegration	0

Table 6: Distresses Sorted by Average Quantity per Occurrence

Name	Average Deduct
Alligator	45
Patching	31
Rutting	31
Edge Breakup	15
Bleeding	13
Depression	12
Ravelling	10
Potholes	8
Other Cracking	8
Disintegration	0

Table 7: Distresses Sorted by Average Deduct per Occurrence

Appendix A – vPCI Results

100m Sample Units

Road No.	Lane/Dir	Section Number	Chainage (m)		PCI	% Structure	% Surface
			From	To			
L2166-0 Newport to Coole	NB	1	0	100	10	71	17
L2166-0 Newport to Coole	NB	2	100	200	21	70	15
L2166-0 Newport to Coole	NB	3	200	300	44	34	34
L2166-0 Newport to Coole	NB	4	300	400	38	28	20
L2166-0 Newport to Coole	NB	5	400	500	35	31	9
L2166-0 Newport to Coole	NB	6	500	600	21	30	8
L2166-0 Newport to Coole	NB	7	600	700	41	0	19
L2166-0 Newport to Coole	NB	8	700	800	82	40	42
L2166-0 Newport to Coole	NB	9	800	900	80	0	100
L2166-0 Newport to Coole	NB	10	900	1000	80	0	100
L2166-0 Newport to Coole	NB	11	1000	1100	79	0	95
L2166-0 Newport to Coole	NB	12	1100	1200	36	27	27
L2166-0 Newport to Coole	NB	13	1200	1300	64	16	37
L2166-0 Newport to Coole	NB	14	1300	1400	51	51	38
L2166-0 Newport to Coole	NB	15	1400	1500	49	38	27
L2166-0 Newport to Coole	NB	16	1500	1600	67	75	25
L2166-0 Newport to Coole	NB	17	1600	1700	86	19	81
L2166-0 Newport to Coole	NB	18	1700	1800	86	0	30
L2166-0 Newport to Coole	NB	19	1800	1900	67	0	35
L2166-0 Newport to Coole	NB	20	1900	2000	85	0	29
L2166-0 Newport to Coole	NB	21	2000	2100	76	28	23
L2166-0 Newport to Coole	NB	22	2100	2200	85	11	49
L2166-0 Newport to Coole	NB	23	2200	2300	36	26	9
L2166-0 Coole to Newport	SB	23	0	100	31	37	17
L2166-0 Coole to Newport	SB	22	100	200	79	35	65
L2166-0 Coole to Newport	SB	21	200	300	52	44	15
L2166-0 Coole to Newport	SB	20	300	400	72	58	16
L2166-0 Coole to Newport	SB	19	400	500	37	30	22
L2166-0 Coole to Newport	SB	18	500	600	81	4	44
L2166-0 Coole to Newport	SB	17	600	700	94	0	100
L2166-0 Coole to Newport	SB	16	700	800	92	0	100
L2166-0 Coole to Newport	SB	15	800	900	28	34	25
L2166-0 Coole to Newport	SB	14	900	1000	38	28	20
L2166-0 Coole to Newport	SB	13	1000	1100	64	16	37
L2166-0 Coole to Newport	SB	12	1100	1200	17	35	19
L2166-0 Coole to Newport	SB	11	1200	1300	39	43	26
L2166-0 Coole to Newport	SB	10	1300	1400	34	34	21
L2166-0 Coole to Newport	SB	9	1400	1500	43	33	29
L2166-0 Coole to Newport	SB	8	1500	1600	54	13	25
L2166-0 Coole to Newport	SB	7	1600	1700	21	30	14
L2166-0 Coole to Newport	SB	6	1700	1800	17	26	18



Road No.	Lane/Dir	Section Number	Chainage (m)		PCI	% Structure	% Surface
			From	To			
L2166-0 Coole to Newport	SB	5	1800	1900	48	14	15
L2166-0 Coole to Newport	SB	4	1900	2000	44	10	20
L2166-0 Coole to Newport	SB	3	2000	2100	19	17	10
L2166-0 Coole to Newport	SB	2	2100	2200	35	53	14
L2166-0 Coole to Newport	SB	1	2200	2300	25	100	0
L6013-0 Oakhampton to Coole	WB	12	0	100	67	80	20
L6013-0 Oakhampton to Coole	WB	11	100	200	67	75	25
L6013-0 Oakhampton to Coole	WB	10	200	300	16	43	18
L6013-0 Oakhampton to Coole	WB	9	300	400	73	30	19
L6013-0 Oakhampton to Coole	WB	8	400	500	15	50	13
L6013-0 Oakhampton to Coole	WB	7	500	600	37	30	22
L6013-0 Oakhampton to Coole	WB	6	600	700	75	0	100
L6013-0 Oakhampton to Coole	WB	5	700	800	71	0	64
L6013-0 Oakhampton to Coole	WB	4	800	900	80	0	100
L6013-0 Oakhampton to Coole	WB	3	900	1000	80	0	100
L6013-0 Oakhampton to Coole	WB	2	1000	1100	80	0	100
L6013-0 Oakhampton to Coole	WB	1	1100	1200	80	0	100
L2156-0 Rockvale	NB	1	0	100	63	81	19
L2156-0 Rockvale	NB	2	100	200	60	54	32
L2156-0 Rockvale	NB	3	200	300	26	73	16
L2156-0 Rockvale	SB	3	0	100	55	63	23
L2156-0 Rockvale	SB	2	100	200	46	57	26
L2156-0 Rockvale	SB	1	200	300	46	69	31
L2157-0 Ahane Cross to Rockvale	WB	8	0	100	100	0	0
L2157-0 Ahane Cross to Rockvale	WB	7	100	200	39	35	21
L2157-0 Ahane Cross to Rockvale	WB	6	200	300	31	27	28
L2157-0 Ahane Cross to Rockvale	WB	5	300	400	22	0	29
L2157-0 Ahane Cross to Rockvale	WB	4	400	500	22	0	29
L2157-0 Ahane Cross to Rockvale	WB	3	500	600	22	0	22
L2157-0 Ahane Cross to Rockvale	WB	2	600	700	8	27	11
L2157-0 Ahane Cross to Rockvale	WB	1	700	790	44	10	29
L2157-0 Rockvale to Ahane Cross	EB	1	0	100	17	54	24
L2157-0 Rockvale to Ahane Cross	EB	2	100	200	50	61	39
L2157-0 Rockvale to Ahane Cross	EB	3	200	300	94	0	100
L2157-0 Rockvale to Ahane Cross	EB	4	300	400	89	0	56
L2157-0 Rockvale to Ahane Cross	EB	5	400	500	57	28	21
L2157-0 Rockvale to Ahane Cross	EB	6	500	600	17	41	19

Road No.	Lane/Dir	Section Number	Chainage (m)		PCI	% Structure	% Surface
			From	To			
L2157-0 Rockvale to Ahane Cross	EB	7	600	700	83	0	100
L2157-0 Rockvale to Ahane Cross	EB	8	700	790	47	30	19
L6009-0 Derryleigh to Ahane Cross	NB	1	0	100	30	42	16
L6009-0 Derryleigh to Ahane Cross	NB	2	100	200	83	0	100
L6009-0 Derryleigh to Ahane Cross	NB	3	200	300	83	0	100
L6009-0 Derryleigh to Ahane Cross	NB	4	300	400	89	0	100
L6009-0 Derryleigh to Ahane Cross	NB	5	400	500	67	63	37
L6009-0 Derryleigh to Ahane Cross	NB	6	500	600	70	0	49
L6009-0 Derryleigh to Ahane Cross	NB	7	600	700	89	0	100
L6009-0 Derryleigh to Ahane Cross	NB	8	700	800	83	0	100
L6009-0 Derryleigh to Ahane Cross	NB	9	800	900	55	69	31
L6009-0 Derryleigh to Ahane Cross	NB	10	900	1000	94	0	100
L6009-0 Derryleigh to Ahane Cross	NB	11	1000	1100	77	53	14
L6009-0 Derryleigh to Ahane Cross	NB	12	1100	1200	91	0	100
L6009-0 Derryleigh to Ahane Cross	NB	13	1200	1300	85	48	52
L6009-0 Derryleigh to Ahane Cross	NB	14	1300	1400	95	0	100
L6009-0 Derryleigh to Ahane Cross	NB	15	1400	1500	94	0	100
L6009-0 Derryleigh to Ahane Cross	NB	16	1500	1600	94	0	100
L6009-0 Derryleigh to Ahane Cross	NB	17	1600	1700	95	0	100
L6009-0 Derryleigh to Ahane Cross	NB	18	1700	1800	84	0	38
R503 Newport to Knockmaroe	EB	1	0	100	51	70	6
R503 Newport to Knockmaroe	EB	2	100	200	25	84	9
R503 Newport to Knockmaroe	EB	3	200	300	17	78	4
R503 Newport to Knockmaroe	EB	4	300	400	75	81	0
R503 Newport to Knockmaroe	EB	5	400	500	30	86	14
R503 Newport to Knockmaroe	EB	6	500	600	90	48	0
R503 Newport to Knockmaroe	EB	7	600	700	41	100	0
R503 Newport to Knockmaroe	EB	8	700	800	100	0	0
R503 Newport to Knockmaroe	EB	9	800	900	94	0	100
R503 Newport to Knockmaroe	EB	10	900	1000	62	78	22
R503 Newport to Knockmaroe	EB	11	1000	1100	62	78	22
R503 Newport to Knockmaroe	EB	12	1100	1200	90	0	48
R503 Newport to Knockmaroe	EB	13	1200	1300	94	0	100
R503 Newport to Knockmaroe	EB	14	1300	1400	81	0	26
R503 Newport to Knockmaroe	EB	15	1400	1500	100	0	0
R503 Newport to Knockmaroe	EB	16	1500	1600	94	0	100
R503 Newport to Knockmaroe	EB	17	1600	1700	92	0	100
R503 Newport to Knockmaroe	EB	18	1700	1800	51	43	8
R503 Newport to Knockmaroe	EB	19	1800	1900	100	0	0
R503 Newport to Knockmaroe	EB	20	1900	2000	94	0	100

Road No.	Lane/Dir	Section Number	Chainage (m)		PCI	% Structure	% Surface
			From	To			
R503 Newport to Knockmaroe	EB	21	2000	2100	95	0	100
R503 Newport to Knockmaroe	EB	22	2100	2200	100	0	0
R503 Newport to Knockmaroe	EB	23	2200	2300	100	0	0
R503 Newport to Knockmaroe	EB	24	2300	2400	100	0	0
R503 Newport to Knockmaroe	EB	25	2400	2500	100	0	0
R503 Newport to Knockmaroe	EB	26	2500	2600	100	0	0
R503 Newport to Knockmaroe	EB	27	2600	2700	94	0	100
R503 Newport to Knockmaroe	EB	28	2700	2800	92	0	100
R503 Newport to Knockmaroe	EB	29	2800	2900	94	0	100
R503 Newport to Knockmaroe	EB	30	2900	3000	87	42	24
R503 Newport to Knockmaroe	EB	31	3000	3100	83	10	35
R503 Newport to Knockmaroe	EB	32	3100	3200	94	0	100
R503 Newport to Knockmaroe	EB	33	3200	3300	100	0	0
R503 Newport to Knockmaroe	EB	34	3300	3400	94	0	100
R503 Newport to Knockmaroe	EB	35	3400	3500	100	0	0
R503 Newport to Knockmaroe	EB	36	3500	3600	90	59	41
R503 Newport to Knockmaroe	EB	37	3600	3700	87	100	0
R503 Newport to Knockmaroe	EB	38	3700	3800	100	0	0
R503 Newport to Knockmaroe	EB	39	3800	3900	94	0	100
R503 Newport to Knockmaroe	EB	40	3900	4000	100	0	0
R503 Newport to Knockmaroe	EB	41	4000	4100	100	0	0
R503 Newport to Knockmaroe	EB	42	4100	4200	100	0	0
R503 Newport to Knockmaroe	EB	43	4200	4300	100	0	0
R503 Newport to Knockmaroe	EB	44	4300	4400	100	0	0
R503 Newport to Knockmaroe	EB	45	4400	4500	100	0	0
R503 Newport to Knockmaroe	EB	46	4500	4600	100	0	0
R503 Newport to Knockmaroe	EB	47	4600	4700	91	0	100
R503 Newport to Knockmaroe	EB	48	4700	4800	75	10	90
R503 Newport to Knockmaroe	EB	49	4800	4900	100	0	0
R503 Newport to Knockmaroe	EB	50	4900	5000	94	0	100
R503 Newport to Knockmaroe	EB	51	5000	5100	51	43	8
R503 Newport to Knockmaroe	EB	52	5100	5200	94	0	100
R503 Newport to Knockmaroe	EB	53	5200	5300	92	0	100
R503 Newport to Knockmaroe	EB	54	5300	5400	74	25	21
R503 Newport to Knockmaroe	EB	55	5400	5500	76	32	68
R503 Newport to Knockmaroe	EB	56	5500	5600	92	0	100
R503 Newport to Knockmaroe	EB	57	5600	5700	100	0	0
R503 Newport to Knockmaroe	EB	58	5700	5800	76	23	46
R503 Newport to Knockmaroe	EB	59	5800	5900	86	77	23
R503 Newport to Knockmaroe	EB	60	5900	6000	100	0	0
R503 Newport to Knockmaroe	EB	61	6000	6100	100	0	0
R503 Newport to Knockmaroe	EB	62	6100	6200	87	0	100



Road No.	Lane/Dir	Section Number	Chainage (m)		PCI	% Structure	% Surface
			From	To			
R503 Newport to Knockmaroe	EB	63	6200	6300	87	0	100
R503 Newport to Knockmaroe	EB	64	6300	6400	87	0	100
R503 Newport to Knockmaroe	EB	65	6400	6500	53	58	42
R503 Newport to Knockmaroe	EB	66	6500	6600	81	33	67
R503 Newport to Knockmaroe	EB	67	6600	6700	57	50	50
R503 Newport to Knockmaroe	EB	68	6700	6800	40	41	23
R503 Newport to Knockmaroe	EB	69	6800	6900	38	37	24
R503 Newport to Knockmaroe	EB	70	6900	7000	87	0	100
R503 Newport to Knockmaroe	EB	71	7000	7100	16	43	18
R503 Newport to Knockmaroe	EB	72	7100	7200	100	0	0
R503 Newport to Knockmaroe	EB	73	7200	7300	100	0	0
R503 Newport to Knockmaroe	EB	74	7300	7400	94	0	100
R503 Newport to Knockmaroe	EB	75	7400	7500	89	0	100
R503 Newport to Knockmaroe	EB	76	7500	7600	89	0	100
R503 Newport to Knockmaroe	EB	77	7600	7700	100	0	0
R503 Newport to Knockmaroe	EB	78	7700	7800	100	0	0
R503 Newport to Knockmaroe	EB	79	7800	7900	100	0	0
R503 Newport to Knockmaroe	EB	80	7900	8000	100	0	0
R503 Newport to Knockmaroe	EB	81	8000	8100	92	0	100
R503 Newport to Knockmaroe	EB	82	8100	8200	92	0	100
R503 Newport to Knockmaroe	EB	83	8200	8300	92	0	100
R503 Newport to Knockmaroe	EB	84	8300	8400	100	0	0
R503 Newport to Knockmaroe	EB	85	8400	8500	100	0	0
R503 Newport to Knockmaroe	EB	86	8500	8600	94	0	100
R503 Newport to Knockmaroe	EB	87	8600	8700	100	0	0
R503 Newport to Knockmaroe	EB	88	8700	8800	100	0	0
R503 Newport to Knockmaroe	EB	89	8800	8900	94	0	100
R503 Newport to Knockmaroe	EB	90	8900	9000	94	0	100
R503 Newport to Knockmaroe	EB	91	9000	9100	100	0	0
R503 Newport to Knockmaroe	EB	92	9100	9200	100	0	0
R503 Newport to Knockmaroe	EB	93	9200	9300	92	0	100
R503 Newport to Knockmaroe	EB	94	9300	9400	74	25	0
R503 Newport to Knockmaroe	EB	95	9400	9500	94	0	100
R503 Newport to Knockmaroe	EB	96	9500	9600	100	0	0
R503 Newport to Knockmaroe	EB	97	9600	9700	96	0	0
R503 Newport to Knockmaroe	EB	98	9700	9800	94	0	100
R503 Newport to Knockmaroe	EB	99	9800	9900	100	0	0
R503 Newport to Knockmaroe	EB	100	9900	10000	100	0	0
R503 Newport to Knockmaroe	EB	101	10000	10100	100	0	0
R503 Newport to Knockmaroe	EB	102	10100	10200	100	0	0
R503 Newport to Knockmaroe	EB	103	10200	10300	94	0	100
R503 Newport to Knockmaroe	EB	104	10300	10400	95	0	100



Road No.	Lane/Dir	Section Number	Chainage (m)		PCI	% Structure	% Surface
			From	To			
R503 Newport to Knockmaroe	EB	105	10400	10500	100	0	0
R503 Newport to Knockmaroe	EB	106	10500	10600	100	0	0
R503 Newport to Knockmaroe	EB	107	10600	10700	93	14	86
R503 Newport to Knockmaroe	EB	108	10700	10800	92	0	0
R503 Newport to Knockmaroe	EB	109	10800	10900	96	0	0
R503 Newport to Knockmaroe	EB	110	10900	11000	100	0	0
R503 Newport to Knockmaroe	EB	111	11000	11100	60	0	15
R503 Newport to Knockmaroe	EB	112	11100	11200	100	0	0
R503 Newport to Knockmaroe	EB	113	11200	11300	85	49	51
R503 Newport to Knockmaroe	EB	114	11300	11400	28	37	19
R503 Newport to Knockmaroe	EB	115	11400	11500	10	49	15
R503 Newport to Knockmaroe	EB	116	11500	11600	76	27	61
R503 Newport to Knockmaroe	EB	117	11600	11700	42	36	17
R503 Newport to Knockmaroe	EB	118	11700	11800	18	55	19
R503 Newport to Knockmaroe	EB	119	11800	11900	62	16	26
R503 Newport to Knockmaroe	EB	120	11900	12000	92	0	100
R503 Newport to Knockmaroe	EB	121	12000	12100	100	0	0
R503 Newport to Knockmaroe	EB	122	12100	12200	94	0	100
R503 Newport to Knockmaroe*	EB	123	12200	12300	94	0	100
R503 Newport to Knockmaroe*	EB	124	12300	12400	88	15	85
R503 Newport to Knockmaroe*	EB	125	12400	12500	92	0	100
R503 Newport to Knockmaroe*	EB	126	12500	12600	49	37	35
R503 Newport to Knockmaroe*	EB	127	12600	12700	54	53	16
R503 Newport to Knockmaroe*	EB	128	12700	12800	92	0	100
R503 Newport to Knockmaroe*	EB	129	12800	12900	100	0	0
R503 Newport to Knockmaroe*	EB	130	12900	13000	85	0	29
R503 Newport to Knockmaroe	EB	131	13000	13100	100	0	0
R503 Newport to Knockmaroe	EB	132	13100	13200	100	0	0
R503 Newport to Knockmaroe	EB	133	13200	13300	100	0	0
R503 Newport to Knockmaroe	EB	134	13300	13400	100	0	0
R503 Newport to Knockmaroe	EB	135	13400	13500	100	0	0
R503 Newport to Knockmaroe	EB	136	13500	13600	100	0	0
R503 Newport to Knockmaroe	EB	137	13600	13700	87	0	100
R503 Newport to Knockmaroe	EB	138	13700	13800	49	75	25
R503 Newport to Knockmaroe	EB	139	13800	13900	100	0	0
R503 Newport to Knockmaroe	EB	140	13900	14000	59	60	40
R503 Newport to Knockmaroe	EB	141	14000	14100	38	71	29
R503 Newport to Knockmaroe	EB	142	14100	14200	48	39	24
R503 Newport to Knockmaroe	EB	143	14200	14300	56	61	30
R503 Newport to Knockmaroe	EB	144	14300	14400	83	0	18
R503 Newport to Knockmaroe	EB	145	14400	14500	100	0	0
R503 Newport to Knockmaroe	EB	146	14500	14600	95	0	100



Road No.	Lane/Dir	Section Number	Chainage (m)		PCI	% Structure	% Surface
			From	To			
R503 Newport to Knockmaroe	EB	147	14600	14700	78	12	23
R503 Newport to Knockmaroe	EB	148	14700	14800	100	0	0
R503 Newport to Knockmaroe	EB	149	14800	14900	100	0	0
R503 Newport to Knockmaroe	EB	150	14900	15000	100	0	0
R503 Newport to Knockmaroe	EB	151	15000	15100	94	0	100
R503 Newport to Knockmaroe	EB	152	15100	15200	72	0	11
R503 Newport to Knockmaroe	EB	153	15200	15300	94	0	100
R503 Newport to Knockmaroe	EB	154	15300	15400	86	0	30
R503 Newport to Knockmaroe	EB	155	15400	15500	49	74	0
R503 Newport to Knockmaroe	EB	156	15500	15600	89	64	36
R503 Newport to Knockmaroe	EB	157	15600	15700	89	64	36
R503 Newport to Knockmaroe	EB	158	15700	15800	86	0	30
R503 Newport to Knockmaroe	EB	159	15800	15900	85	0	55
R503 Newport to Knockmaroe	EB	160	15900	16000	100	0	0
R503 Newport to Knockmaroe	EB	161	16000	16100	100	0	0
R503 Newport to Knockmaroe	EB	162	16100	16200	100	0	0
R503 Newport to Knockmaroe	EB	163	16200	16300	100	0	0
R503 Newport to Knockmaroe	EB	164	16300	16400	100	0	0
R503 Newport to Knockmaroe	EB	165	16400	16500	100	0	0
R503 Newport to Knockmaroe	EB	166	16500	16600	90	0	58
R503 Newport to Knockmaroe	EB	167	16600	16700	94	0	100
R503 Newport to Knockmaroe	EB	168	16700	16800	100	0	0
R503 Newport to Knockmaroe	EB	169	16800	16900	10	50	9
R503 Newport to Knockmaroe	EB	170	16900	17000	34	29	11
R503 Newport to Knockmaroe	EB	171	17000	17100	92	0	100
R503 Newport to Knockmaroe	EB	172	17100	17200	57	74	19
R503 Newport to Knockmaroe	EB	173	17200	17300	92	0	100
R503 Newport to Knockmaroe	EB	174	17300	17400	67	80	20
R503 Newport to Knockmaroe	EB	175	17400	17500	62	62	17
R503 Newport to Knockmaroe	EB	176	17500	17600	100	0	0
R503 Newport to Knockmaroe	EB	177	17600	17700	100	0	0
R503 Newport to Knockmaroe	EB	178	17700	17800	100	0	0
R503 Newport to Knockmaroe	EB	179	17800	17900	100	0	0
R503 Newport to Knockmaroe	EB	180	17900	18000	100	0	0
R503 Newport to Knockmaroe	EB	181	18000	18100	100	0	0
R503 Newport to Knockmaroe	EB	182	18100	18200	100	0	0
R503 Newport to Knockmaroe	EB	183	18200	18300	100	0	0
R503 Newport to Knockmaroe	EB	184	18300	18400	100	0	0
R503 Newport to Knockmaroe	EB	185	18400	18500	100	0	0
R503 Newport to Knockmaroe	EB	186	18500	18600	95	0	100
R503 Newport to Knockmaroe	EB	187	18600	18700	94	0	100
R503 Newport to Knockmaroe	EB	188	18700	18800	100	0	0



Road No.	Lane/Dir	Section Number	Chainage (m)		PCI	% Structure	% Surface
			From	To			
R503 Newport to Knockmaroe	EB	189	18800	18900	100	0	0
R503 Newport to Knockmaroe	EB	190	18900	19000	100	0	0
R503 Newport to Knockmaroe	EB	191	19000	19100	100	0	0
R503 Newport to Knockmaroe	EB	192	19100	19200	94	0	100
R503 Newport to Knockmaroe*	EB	193	19200	19300	63	58	15
R503 Newport to Knockmaroe*	EB	194	19300	19400	1	74	0
R503 Newport to Knockmaroe*	EB	195	19400	19500	57	66	13
R503 Newport to Knockmaroe*	EB	196	19500	19600	62	18	19
R503 Newport to Knockmaroe*	EB	197	19600	19700	67	66	34
R503 Newport to Knockmaroe*	EB	198	19700	19800	45	75	25
R503 Newport to Knockmaroe*	EB	199	19800	19900	17	57	13
R503 Newport to Knockmaroe*	EB	200	19900	20000	33	72	28
R503 Newport to Knockmaroe*	EB	201	20000	20100	45	62	38
R503 Newport to Knockmaroe*	EB	202	20100	20200	22	77	22
R503 Newport to Knockmaroe	EB	203	20200	20300	100	0	0
R503 Newport to Knockmaroe	EB	204	20300	20400	100	0	0
R503 Newport to Knockmaroe	EB	205	20400	20500	94	0	100
R503 Newport to Knockmaroe	EB	206	20500	20600	94	0	100
R503 Newport to Knockmaroe	EB	207	20600	20700	92	0	100
R503 Newport to Knockmaroe	EB	208	20700	20800	59	60	40
R503 Newport to Knockmaroe	EB	209	20800	20900	65	72	28
R503 Newport to Knockmaroe	EB	210	20900	21000	87	0	100
R503 Newport to Knockmaroe	EB	211	21000	21100	45	62	38
R503 Newport to Knockmaroe	EB	212	21100	21200	57	45	44
R503 Newport to Knockmaroe	EB	213	21200	21300	74	0	62
R503 Newport to Knockmaroe	EB	214	21300	21400	35	27	18
R503 Newport to Knockmaroe	EB	215	21400	21500	43	44	23
R503 Newport to Knockmaroe	EB	216	21500	21600	66	61	39
R503 Newport to Knockmaroe	EB	217	21600	21700	83	0	100
R503 Newport to Knockmaroe	EB	218	21700	21800	66	61	39
R503 Newport to Knockmaroe	EB	219	21800	21900	63	58	42
R503 Newport to Knockmaroe	EB	220	21900	22000	50	50	24
R503 Newport to Knockmaroe	EB	221	22000	22100	43	69	31
R503 Newport to Knockmaroe	EB	222	22100	22200	59	46	33
R503 Newport to Knockmaroe	EB	223	22200	22300	86	33	42
R503 Newport to Knockmaroe	EB	224	22300	22400	63	81	19
R503 Newport to Knockmaroe	EB	225	22400	22500	92	0	100
R503 Newport to Knockmaroe	EB	226	22500	22600	46	66	11
R503 Newport to Knockmaroe	EB	227	22600	22700	46	77	23
R503 Newport to Knockmaroe	EB	228	22700	22800	90	50	50
R503 Newport to Knockmaroe	EB	229	22800	22900	100	0	0
R503 Newport to Knockmaroe	EB	230	22900	23000	100	0	0

Road No.	Lane/Dir	Section Number	Chainage (m)		PCI	% Structure	% Surface
			From	To			
R503 Newport to Knockmaroe	EB	231	23000	23100	100	0	0
R503 Newport to Knockmaroe	EB	232	23100	23200	100	0	0
R503 Knockmaroe to Newport	WB	232	0	100	90	0	100
R503 Knockmaroe to Newport	WB	231	100	200	100	0	0
R503 Knockmaroe to Newport	WB	230	200	300	100	0	0
R503 Knockmaroe to Newport	WB	229	300	400	100	0	0
R503 Knockmaroe to Newport	WB	228	400	500	90	0	100
R503 Knockmaroe to Newport	WB	227	500	600	63	58	42
R503 Knockmaroe to Newport	WB	226	600	700	83	35	65
R503 Knockmaroe to Newport	WB	225	700	800	86	0	100
R503 Knockmaroe to Newport	WB	224	800	900	83	0	100
R503 Knockmaroe to Newport	WB	223	900	1000	80	31	69
R503 Knockmaroe to Newport	WB	222	1000	1100	63	58	42
R503 Knockmaroe to Newport	WB	221	1100	1200	60	66	34
R503 Knockmaroe to Newport	WB	220	1200	1300	64	64	36
R503 Knockmaroe to Newport	WB	219	1300	1400	82	0	55
R503 Knockmaroe to Newport	WB	218	1400	1500	18	94	6
R503 Knockmaroe to Newport	WB	217	1500	1600	53	77	18
R503 Knockmaroe to Newport	WB	216	1600	1700	46	81	19
R503 Knockmaroe to Newport	WB	215	1700	1800	65	72	28
R503 Knockmaroe to Newport	WB	214	1800	1900	53	78	22
R503 Knockmaroe to Newport	WB	213	1900	2000	56	48	32
R503 Knockmaroe to Newport	WB	212	2000	2100	37	40	22
R503 Knockmaroe to Newport	WB	211	2100	2200	22	42	15
R503 Knockmaroe to Newport	WB	210	2200	2300	94	0	100
R503 Knockmaroe to Newport	WB	209	2300	2400	75	78	22
R503 Knockmaroe to Newport	WB	208	2400	2500	60	59	18
R503 Knockmaroe to Newport	WB	207	2500	2600	100	0	0
R503 Knockmaroe to Newport	WB	206	2600	2700	100	0	0
R503 Knockmaroe to Newport	WB	205	2700	2800	100	0	0
R503 Knockmaroe to Newport	WB	204	2800	2900	94	0	100
R503 Knockmaroe to Newport	WB	203	2900	3000	95	0	0
R503 Knockmaroe to Newport*	WB	202	3000	3100	62	68	32
R503 Knockmaroe to Newport*	WB	201	3100	3200	71	23	28
R503 Knockmaroe to Newport*	WB	200	3200	3300	87	0	100
R503 Knockmaroe to Newport*	WB	199	3300	3400	78	0	36
R503 Knockmaroe to Newport*	WB	198	3400	3500	87	0	100
R503 Knockmaroe to Newport*	WB	197	3500	3600	100	0	0
R503 Knockmaroe to Newport*	WB	196	3600	3700	84	36	64
R503 Knockmaroe to Newport*	WB	195	3700	3800	34	38	17
R503 Knockmaroe to Newport*	WB	194	3800	3900	30	51	13

Road No.	Lane/Dir	Section Number	Chainage (m)		PCI	% Structure	% Surface
			From	To			
R503 Knockmaroe to Newport*	WB	193	3900	4000	94	0	100
R503 Knockmaroe to Newport	WB	192	4000	4100	94	0	100
R503 Knockmaroe to Newport	WB	191	4100	4200	100	0	0
R503 Knockmaroe to Newport	WB	190	4200	4300	100	0	0
R503 Knockmaroe to Newport	WB	189	4300	4400	100	0	0
R503 Knockmaroe to Newport	WB	188	4400	4500	97	0	100
R503 Knockmaroe to Newport	WB	187	4500	4600	100	0	0
R503 Knockmaroe to Newport	WB	186	4600	4700	100	0	0
R503 Knockmaroe to Newport	WB	185	4700	4800	100	0	0
R503 Knockmaroe to Newport	WB	184	4800	4900	100	0	0
R503 Knockmaroe to Newport	WB	183	4900	5000	97	0	100
R503 Knockmaroe to Newport	WB	182	5000	5100	100	0	0
R503 Knockmaroe to Newport	WB	181	5100	5200	100	0	0
R503 Knockmaroe to Newport	WB	180	5200	5300	100	0	0
R503 Knockmaroe to Newport	WB	179	5300	5400	100	0	0
R503 Knockmaroe to Newport	WB	178	5400	5500	100	0	0
R503 Knockmaroe to Newport	WB	177	5500	5600	100	0	0
R503 Knockmaroe to Newport	WB	176	5600	5700	100	0	0
R503 Knockmaroe to Newport	WB	175	5700	5800	95	0	100
R503 Knockmaroe to Newport	WB	174	5800	5900	86	54	46
R503 Knockmaroe to Newport	WB	173	5900	6000	56	44	23
R503 Knockmaroe to Newport	WB	172	6000	6100	80	0	100
R503 Knockmaroe to Newport	WB	171	6100	6200	49	73	27
R503 Knockmaroe to Newport	WB	170	6200	6300	54	47	37
R503 Knockmaroe to Newport	WB	169	6300	6400	59	62	18
R503 Knockmaroe to Newport	WB	168	6400	6500	100	0	0
R503 Knockmaroe to Newport	WB	167	6500	6600	100	0	0
R503 Knockmaroe to Newport	WB	166	6600	6700	100	0	0
R503 Knockmaroe to Newport	WB	165	6700	6800	100	0	0
R503 Knockmaroe to Newport	WB	164	6800	6900	100	0	0
R503 Knockmaroe to Newport	WB	163	6900	7000	100	0	0
R503 Knockmaroe to Newport	WB	162	7000	7100	100	0	0
R503 Knockmaroe to Newport	WB	161	7100	7200	100	0	0
R503 Knockmaroe to Newport	WB	160	7200	7300	100	0	0
R503 Knockmaroe to Newport	WB	159	7300	7400	100	0	0
R503 Knockmaroe to Newport	WB	158	7400	7500	87	0	100
R503 Knockmaroe to Newport	WB	157	7500	7600	100	0	0
R503 Knockmaroe to Newport	WB	156	7600	7700	85	0	38
R503 Knockmaroe to Newport	WB	155	7700	7800	100	0	0
R503 Knockmaroe to Newport	WB	154	7800	7900	67	78	22
R503 Knockmaroe to Newport	WB	153	7900	8000	96	0	0
R503 Knockmaroe to Newport	WB	152	8000	8100	94	0	100

Road No.	Lane/Dir	Section Number	Chainage (m)		PCI	% Structure	% Surface
			From	To			
R503 Knockmaroe to Newport	WB	151	8100	8200	94	0	100
R503 Knockmaroe to Newport	WB	150	8200	8300	100	0	0
R503 Knockmaroe to Newport	WB	149	8300	8400	92	0	100
R503 Knockmaroe to Newport	WB	148	8400	8500	94	0	100
R503 Knockmaroe to Newport	WB	147	8500	8600	90	89	0
R503 Knockmaroe to Newport	WB	146	8600	8700	92	0	100
R503 Knockmaroe to Newport	WB	145	8700	8800	88	0	100
R503 Knockmaroe to Newport	WB	144	8800	8900	87	0	100
R503 Knockmaroe to Newport	WB	143	8900	9000	51	59	41
R503 Knockmaroe to Newport	WB	142	9000	9100	38	56	44
R503 Knockmaroe to Newport	WB	141	9100	9200	23	49	23
R503 Knockmaroe to Newport	WB	140	9200	9300	30	41	31
R503 Knockmaroe to Newport	WB	139	9300	9400	41	65	13
R503 Knockmaroe to Newport	WB	138	9400	9500	84	45	55
R503 Knockmaroe to Newport	WB	137	9500	9600	29	67	25
R503 Knockmaroe to Newport	WB	136	9600	9700	87	0	46
R503 Knockmaroe to Newport	WB	135	9700	9800	100	0	0
R503 Knockmaroe to Newport	WB	134	9800	9900	100	0	0
R503 Knockmaroe to Newport	WB	133	9900	10000	100	0	0
R503 Knockmaroe to Newport	WB	132	10000	10100	100	0	0
R503 Knockmaroe to Newport	WB	131	10100	10200	100	0	0
R503 Knockmaroe to Newport*	WB	130	10200	10300	100	0	0
R503 Knockmaroe to Newport*	WB	129	10300	10400	100	0	0
R503 Knockmaroe to Newport*	WB	128	10400	10500	92	0	100
R503 Knockmaroe to Newport*	WB	127	10500	10600	64	59	16
R503 Knockmaroe to Newport*	WB	126	10600	10700	21	70	6
R503 Knockmaroe to Newport*	WB	125	10700	10800	89	0	100
R503 Knockmaroe to Newport*	WB	124	10800	10900	56	16	29
R503 Knockmaroe to Newport*	WB	123	10900	11000	89	0	100
R503 Knockmaroe to Newport	WB	122	11000	11100	94	0	100
R503 Knockmaroe to Newport	WB	121	11100	11200	100	0	0
R503 Knockmaroe to Newport	WB	120	11200	11300	85	0	38
R503 Knockmaroe to Newport	WB	119	11300	11400	94	0	100
R503 Knockmaroe to Newport	WB	118	11400	11500	100	0	0
R503 Knockmaroe to Newport	WB	117	11500	11600	91	0	100
R503 Knockmaroe to Newport	WB	116	11600	11700	56	55	5
R503 Knockmaroe to Newport	WB	115	11700	11800	47	40	15
R503 Knockmaroe to Newport	WB	114	11800	11900	14	55	9
R503 Knockmaroe to Newport	WB	113	11900	12000	17	65	7
R503 Knockmaroe to Newport	WB	112	12000	12100	100	0	0
R503 Knockmaroe to Newport	WB	111	12100	12200	83	0	18
R503 Knockmaroe to Newport	WB	110	12200	12300	100	0	0

Road No.	Lane/Dir	Section Number	Chainage (m)		PCI	% Structure	% Surface
			From	To			
R503 Knockmaroe to Newport	WB	109	12300	12400	100	0	0
R503 Knockmaroe to Newport	WB	108	12400	12500	96	0	0
R503 Knockmaroe to Newport	WB	107	12500	12600	90	0	0
R503 Knockmaroe to Newport	WB	106	12600	12700	100	0	0
R503 Knockmaroe to Newport	WB	105	12700	12800	95	0	0
R503 Knockmaroe to Newport	WB	104	12800	12900	69	0	22
R503 Knockmaroe to Newport	WB	103	12900	13000	100	0	0
R503 Knockmaroe to Newport	WB	102	13000	13100	100	0	0
R503 Knockmaroe to Newport	WB	101	13100	13200	86	0	0
R503 Knockmaroe to Newport	WB	100	13200	13300	90	0	0
R503 Knockmaroe to Newport	WB	99	13300	13400	69	0	0
R503 Knockmaroe to Newport	WB	98	13400	13500	77	0	0
R503 Knockmaroe to Newport	WB	97	13500	13600	38	82	8
R503 Knockmaroe to Newport	WB	96	13600	13700	100	0	0
R503 Knockmaroe to Newport	WB	95	13700	13800	87	0	45
R503 Knockmaroe to Newport	WB	94	13800	13900	48	58	7
R503 Knockmaroe to Newport	WB	93	13900	14000	95	0	0
R503 Knockmaroe to Newport	WB	92	14000	14100	93	34	0
R503 Knockmaroe to Newport	WB	91	14100	14200	90	0	0
R503 Knockmaroe to Newport	WB	90	14200	14300	90	0	0
R503 Knockmaroe to Newport	WB	89	14300	14400	99	0	0
R503 Knockmaroe to Newport	WB	88	14400	14500	75	21	0
R503 Knockmaroe to Newport	WB	87	14500	14600	95	0	0
R503 Knockmaroe to Newport	WB	86	14600	14700	100	0	0
R503 Knockmaroe to Newport	WB	85	14700	14800	90	0	0
R503 Knockmaroe to Newport	WB	84	14800	14900	67	81	17
R503 Knockmaroe to Newport	WB	83	14900	15000	90	0	0
R503 Knockmaroe to Newport	WB	82	15000	15100	90	0	0
R503 Knockmaroe to Newport	WB	81	15100	15200	94	0	82
R503 Knockmaroe to Newport	WB	80	15200	15300	94	0	82
R503 Knockmaroe to Newport	WB	79	15300	15400	90	0	0
R503 Knockmaroe to Newport	WB	78	15400	15500	90	0	0
R503 Knockmaroe to Newport	WB	77	15500	15600	90	0	0
R503 Knockmaroe to Newport	WB	76	15600	15700	84	0	27
R503 Knockmaroe to Newport	WB	75	15700	15800	90	0	0
R503 Knockmaroe to Newport	WB	74	15800	15900	83	35	20
R503 Knockmaroe to Newport	WB	73	15900	16000	90	0	0
R503 Knockmaroe to Newport	WB	72	16000	16100	95	0	0
R503 Knockmaroe to Newport	WB	71	16100	16200	54	51	21
R503 Knockmaroe to Newport	WB	70	16200	16300	87	0	59
R503 Knockmaroe to Newport	WB	69	16300	16400	29	34	18
R503 Knockmaroe to Newport	WB	68	16400	16500	18	59	11

Road No.	Lane/Dir	Section Number	Chainage (m)		PCI	% Structure	% Surface
			From	To			
R503 Knockmaroe to Newport	WB	67	16500	16600	23	32	16
R503 Knockmaroe to Newport	WB	66	16600	16700	71	9	11
R503 Knockmaroe to Newport	WB	65	16700	16800	84	0	65
R503 Knockmaroe to Newport	WB	64	16800	16900	77	0	0
R503 Knockmaroe to Newport	WB	63	16900	17000	86	0	64
R503 Knockmaroe to Newport	WB	62	17000	17100	100	0	0
R503 Knockmaroe to Newport	WB	61	17100	17200	65	71	7
R503 Knockmaroe to Newport	WB	60	17200	17300	69	5	31
R503 Knockmaroe to Newport	WB	59	17300	17400	69	0	0
R503 Knockmaroe to Newport	WB	58	17400	17500	84	0	27
R503 Knockmaroe to Newport	WB	57	17500	17600	87	0	59
R503 Knockmaroe to Newport	WB	56	17600	17700	80	0	44
R503 Knockmaroe to Newport	WB	55	17700	17800	69	0	32
R503 Knockmaroe to Newport	WB	54	17800	17900	67	27	8
R503 Knockmaroe to Newport	WB	53	17900	18000	69	0	19
R503 Knockmaroe to Newport	WB	52	18000	18100	69	0	16
R503 Knockmaroe to Newport	WB	51	18100	18200	77	0	27
R503 Knockmaroe to Newport	WB	50	18200	18300	89	0	100
R503 Knockmaroe to Newport	WB	49	18300	18400	92	0	100
R503 Knockmaroe to Newport	WB	48	18400	18500	29	59	25
R503 Knockmaroe to Newport	WB	47	18500	18600	65	72	28
R503 Knockmaroe to Newport	WB	46	18600	18700	100	0	0
R503 Knockmaroe to Newport	WB	45	18700	18800	100	0	0
R503 Knockmaroe to Newport	WB	44	18800	18900	100	0	0
R503 Knockmaroe to Newport	WB	43	18900	19000	100	0	0
R503 Knockmaroe to Newport	WB	42	19000	19100	100	0	0
R503 Knockmaroe to Newport	WB	41	19100	19200	100	0	0
R503 Knockmaroe to Newport	WB	40	19200	19300	100	0	0
R503 Knockmaroe to Newport	WB	39	19300	19400	100	0	0
R503 Knockmaroe to Newport	WB	38	19400	19500	100	0	0
R503 Knockmaroe to Newport	WB	37	19500	19600	100	0	0
R503 Knockmaroe to Newport	WB	36	19600	19700	100	0	0
R503 Knockmaroe to Newport	WB	35	19700	19800	94	0	100
R503 Knockmaroe to Newport	WB	34	19800	19900	87	0	100
R503 Knockmaroe to Newport	WB	33	19900	20000	92	0	100
R503 Knockmaroe to Newport	WB	32	20000	20100	92	0	100
R503 Knockmaroe to Newport	WB	31	20100	20200	92	0	100
R503 Knockmaroe to Newport	WB	30	20200	20300	94	0	100
R503 Knockmaroe to Newport	WB	29	20300	20400	92	0	100
R503 Knockmaroe to Newport	WB	28	20400	20500	88	0	100
R503 Knockmaroe to Newport	WB	27	20500	20600	96	0	0
R503 Knockmaroe to Newport	WB	26	20600	20700	65	100	0



Road No.	Lane/Dir	Section Number	Chainage (m)		PCI	% Structure	% Surface
			From	To			
R503 Knockmaroe to Newport	WB	25	20700	20800	100	0	0
R503 Knockmaroe to Newport	WB	24	20800	20900	100	0	0
R503 Knockmaroe to Newport	WB	23	20900	21000	100	0	0
R503 Knockmaroe to Newport	WB	22	21000	21100	100	0	0
R503 Knockmaroe to Newport	WB	21	21100	21200	91	88	0
R503 Knockmaroe to Newport	WB	20	21200	21300	76	27	15
R503 Knockmaroe to Newport	WB	19	21300	21400	94	0	100
R503 Knockmaroe to Newport	WB	18	21400	21500	94	0	100
R503 Knockmaroe to Newport	WB	17	21500	21600	82	10	33
R503 Knockmaroe to Newport	WB	16	21600	21700	62	27	10
R503 Knockmaroe to Newport	WB	15	21700	21800	94	0	100
R503 Knockmaroe to Newport	WB	14	21800	21900	81	38	11
R503 Knockmaroe to Newport	WB	13	21900	22000	94	0	100
R503 Knockmaroe to Newport	WB	12	22000	22100	94	0	100
R503 Knockmaroe to Newport	WB	11	22100	22200	48	33	28
R503 Knockmaroe to Newport	WB	10	22200	22300	70	0	49
R503 Knockmaroe to Newport	WB	9	22300	22400	100	0	0
R503 Knockmaroe to Newport	WB	8	22400	22500	97	0	100
R503 Knockmaroe to Newport	WB	7	22500	22600	65	79	21
R503 Knockmaroe to Newport	WB	6	22600	22700	18	94	6
R503 Knockmaroe to Newport	WB	5	22700	22800	10	60	13
R503 Knockmaroe to Newport	WB	4	22800	22900	2	54	13
R503 Knockmaroe to Newport	WB	3	22900	23000	7	60	9
R503 Knockmaroe to Newport	WB	2	23000	23100	18	55	13
R503 Knockmaroe to Newport	WB	1	23100	23200	30	92	8
L2264-50 at Knockmaroe	EB	1	0	100	54	73	27
L2264-50 at Knockmaroe	EB	2	100	200	80	39	49
L2264-50 at Knockmaroe	EB	3	200	300	76	3	25
L2264-50 at Knockmaroe	EB	4	300	400	81	27	73
L2264-50 at Knockmaroe	EB	5	400	500	40	70	10
L2264-50 at Knockmaroe	EB	6	500	600	89	0	100
L2264-50 at Knockmaroe	EB	7	600	700	85	49	51
L2264-50 at Knockmaroe	EB	8	700	800	43	64	29
L2264-50 at Knockmaroe	EB	9	800	900	47	65	22
L2264-50 at Knockmaroe	EB	10	900	1000	85	49	51
L2264-50 at Knockmaroe	EB	11	1000	1100	94	0	100
L2264-50 at Knockmaroe	EB	12	1100	1200	30	66	16
L2264-50 at Knockmaroe	EB	13	1200	1300	83	35	65
L2264-50 at Knockmaroe	EB	14	1300	1400	83	35	37
L2264-50 at Knockmaroe	EB	15	1400	1500	53	41	24
L2264-50 at Knockmaroe	EB	16	1500	1600	77	0	100

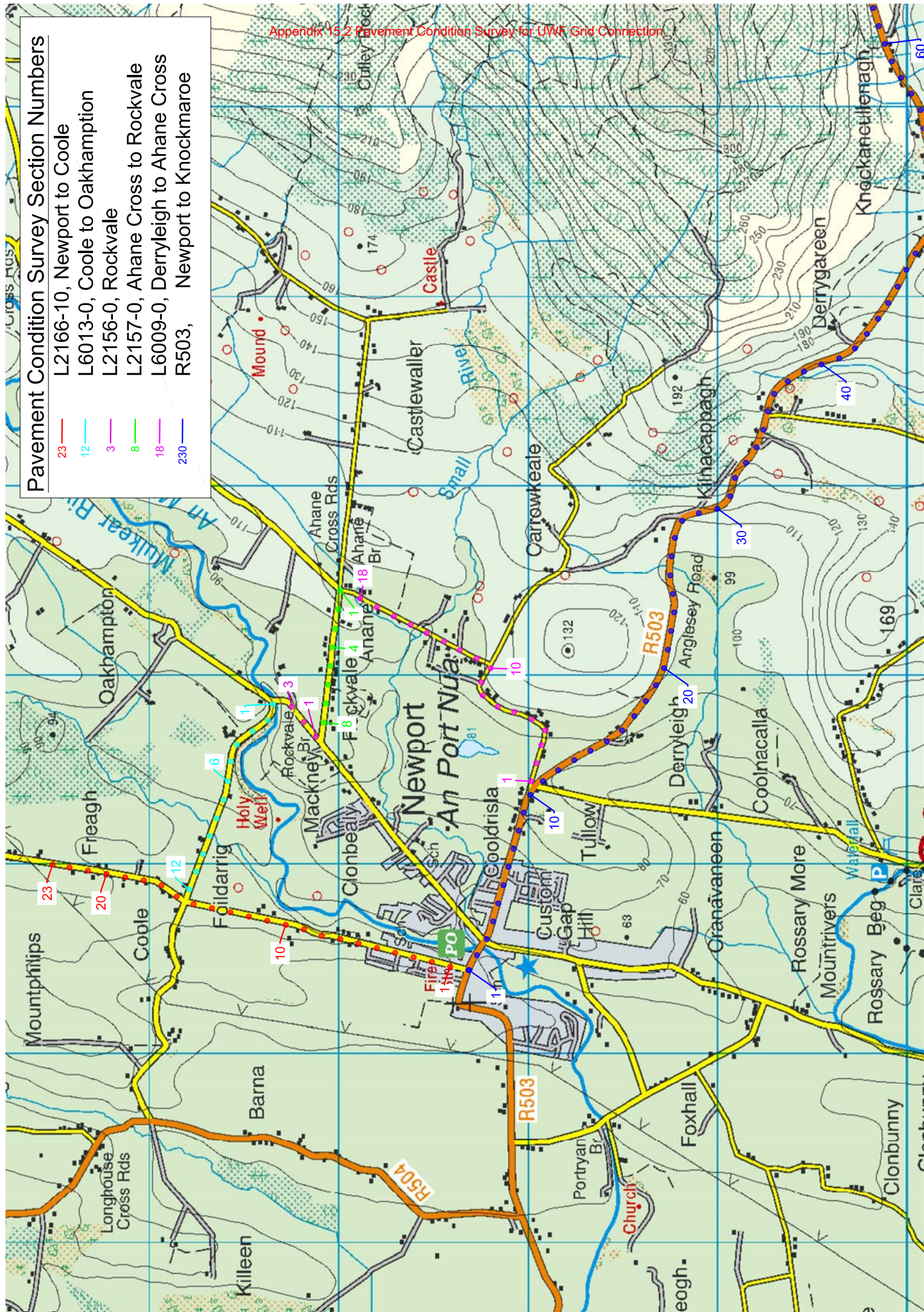
Road No.	Lane/Dir	Section Number	Chainage (m)		PCI	% Structure	% Surface
			From	To			
L2264-50 at Knockmaroe	EB	17	1600	1700	77	24	53
L2264-50 at Knockmaroe	EB	18	1700	1800	89	22	78
L2264-50 at Knockmaroe	EB	19	1800	1900	91	0	100
L6188-0 at Knockmaroe	EB	1	0	100	94	0	100
L6188-0 at Knockmaroe	EB	2	100	200	94	0	100
L6188-0 at Knockmaroe	EB	3	200	300	100	0	0
L6188-0 at Knockmaroe	EB	4	300	400	73	24	20
L6188-0 at Knockmaroe	EB	5	400	500	75	0	31
L6188-0 at Knockmaroe	EB	6	500	600	62	19	11
L6188-0 at Knockmaroe	EB	7	600	700	40	44	6
L6188-0 at Knockmaroe	EB	8	700	800	71	28	19
L6188-0 at Knockmaroe	EB	9	800	900	40	32	11
L6188-0 at Knockmaroe	EB	10	900	1000	94	0	100
L6188-0 at Knockmaroe	EB	11	1000	1100	31	30	10
L6188-0 at Knockmaroe	EB	12	1100	1200	88	0	43
L6188-0 at Knockmaroe	EB	13	1200	1300	86	0	30

* sections resurfaced in August 2019

Appendix B – Site Maps

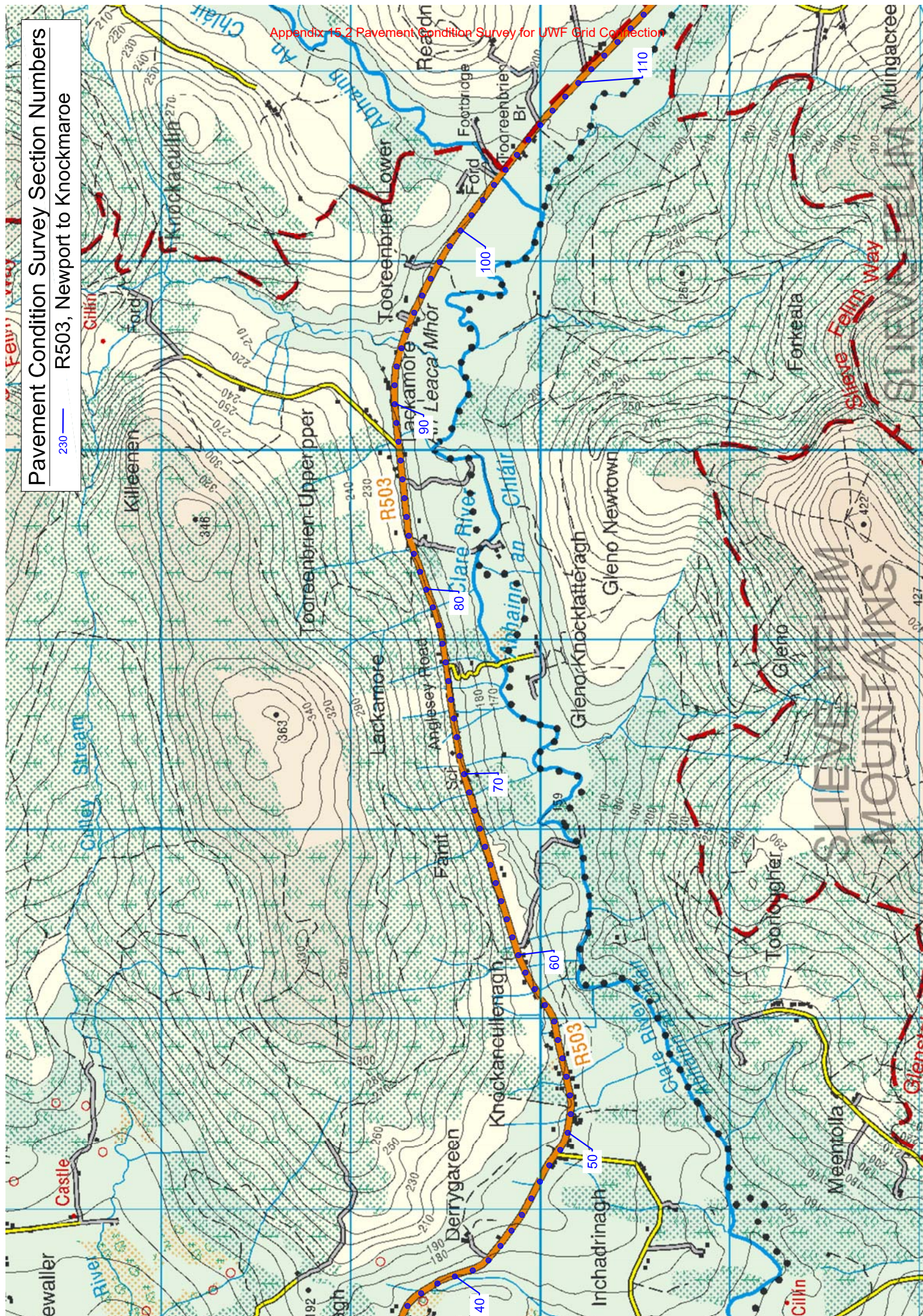
Pavement Condition Survey Section Numbers

- L2166-10, Newport to Coole
- L6013-0, Coole to Oakhampton
- L2156-0, Rockvale
- L2157-0, Ahane Cross to Rockvale
- L6009-0, Derryleigh to Ahane Cross
- R503, Newport to Knockmaroe



Pavement Condition Survey Section Numbers
230 — R503, Newport to Knockmaroe

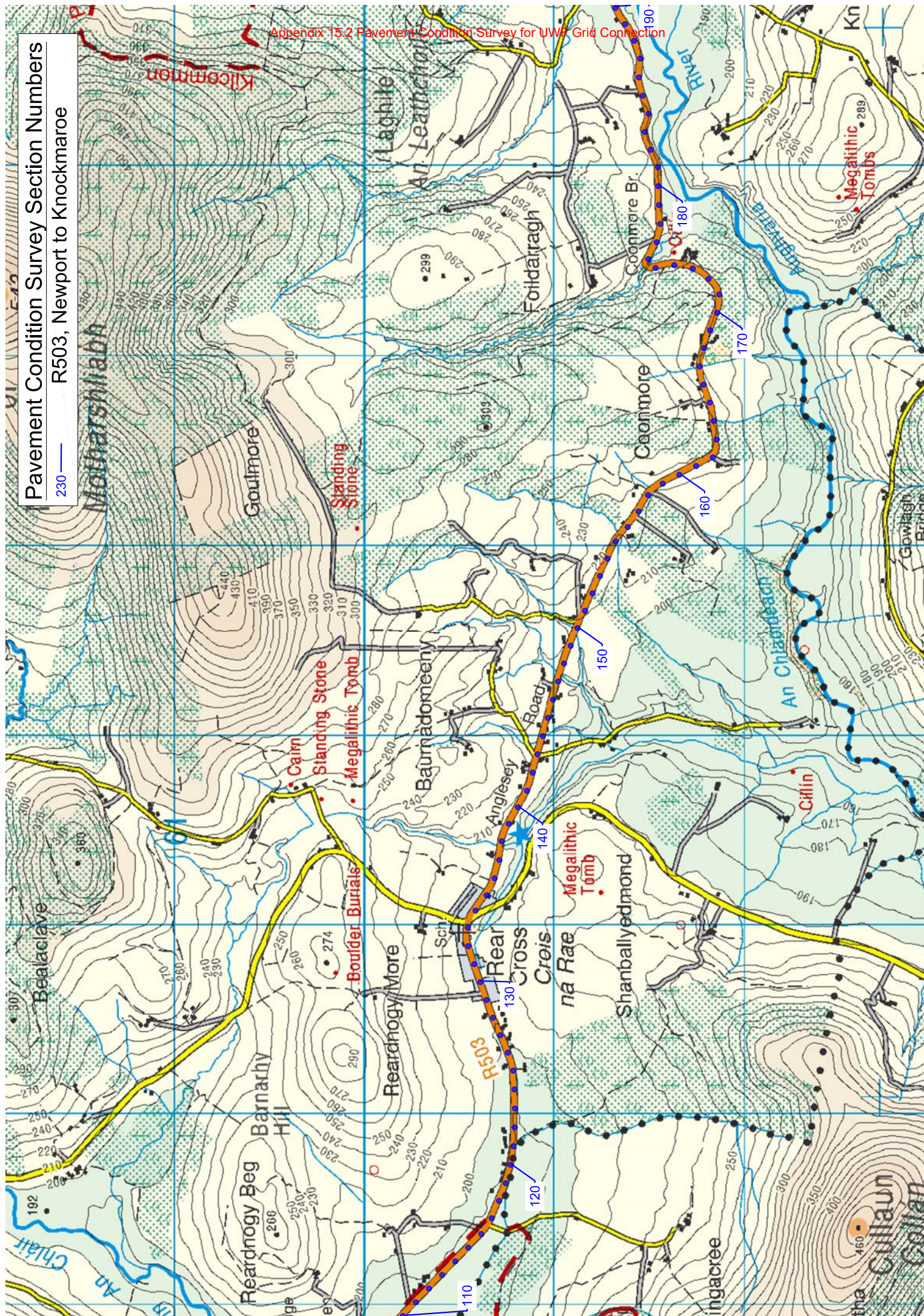
Appendix 15.2 Pavement Condition Survey for UWF Grid Connection



230 — R503, Newport to Knockmaroe

230

Appendix 15.2 Pavement Condition Survey for UWF Grid Connection



Pavement Condition Survey Section Numbers

R503, Newport to Knockmaroe

L2264-50 at Knockmaroe

L6188-0 at Knockmaroe

