

Figure 5.7 | Northern Forested Mountains VCU

The mountains create distant backdrops to the Upper Hunter valley and hills. The forest covered steep hills and mountains contrast with the more open woodlands and grasslands that occupy the valleys and hills.















Figure 5.8 | Wooded Northern Hills and Mountains VCU

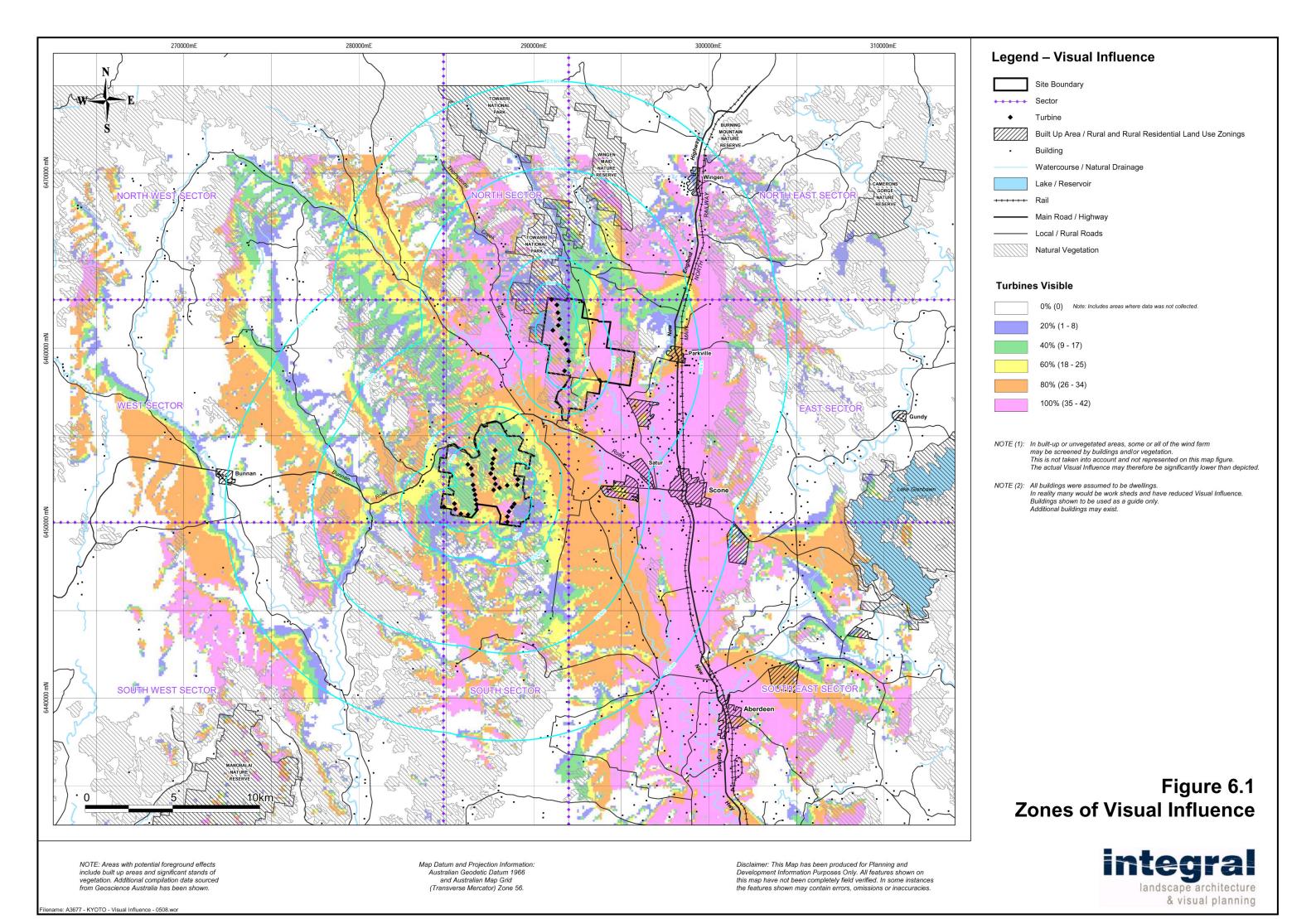
These hills create the edges to the enclosed valleys that adjoin Middlebrook, Thompsons, Sparkes and Keirnans Creeks. The hills are generally steep and have been cleared to varying degrees to support forest, woodland and grassland. The hills are highly patterned reflecting the topography, exposed geology and vegetation.







Figure 5.8 | Northern Hills and Mountains VCU. The unit is highly distinctive and is generally seen as a background to other units within a range of visual settings.



Distance from turbines (km)	Primary View Zone Radius	Primary View Zone Area	Turbine Area	Turbine Area as Percentage of PVZ Area if 100% of turbines visible	If 80% of turbines visible	If 60% of turbines visible	If 40% of turbines visible	If 20% of turbines visible
1	0.577350269	0.523598776		27.6%	22.1%	16.5%	11.0%	5.5%
1.5		1.178097245	0.21650635	18.4%	14.7%	11.0%	7.4%	3.7%
2	1.154700538	2.094395102	0.28867513	13.8%	11.0%	8.3%	5.5%	2.8%
2.5		3.272492347	0.36084392	11.0%	8.8%	6.6%	4.4%	2.2%
3		4.71238898	0.4330127	9.2%	7.4%	5.5%	3.7%	1.8%
3.5	2.020725942	6.414085001	0.50518149	7.9%	6.3%	4.7%	3.2%	1.6%
4		8.37758041	0.57735027	6.9%	5.5%	4.1%	2.8%	1.4%
4.5	2.598076211	10.60287521	0.64951905	6.1%	4.9%	3.7%	2.5%	1.2%
5	2.886751346	13.08996939	0.72168784	5.5%	4.4%	3.3%	2.2%	1.1%
5.5	3.175426481	15.83886296	0.76625	4.8%	3.9%	2.9%	1.9%	1.0%
6	3.464101615	18.84955592	0.76625	4.1%	3.3%	2.4%	1.6%	0.8%
6.5	3.75277675	22.12204827	0.76625	3.5%	2.8%	2.1%	1.4%	0.7%
7	4.041451884	25.65634	0.76625	3.0%	2.4%	1.8%	1.2%	0.6%
7.5	4.330127019	29.45243113	0.76625	2.6%	2.1%	1.6%	1.0%	0.5%
8	4.618802154	33.51032164	0.76625	2.3%	1.8%	1.4%	0.9%	0.5%
8.5	4.907477288	37.83001154	0.76625	2.0%	1.6%	1.2%	0.8%	0.4%
9	5.196152423	42.41150082	0.76625	1.8%	1.4%	1.1%	0.7%	0.4%
9.5	5.484827557	47.2547895	0.76625	1.6%	1.3%	1.0%	0.6%	0.3%
10	5.773502692	52.35987756	0.76625	1.5%	1.2%	0.9%	0.6%	0.3%
10.5	6.062177826	57.72676501	0.76625	1.3%	1.1%	0.8%	0.5%	0.3%
11	6.350852961	63.35545185	0.76625	1.2%	1.0%	0.7%	0.5%	0.2%
11.5	6.639528096	69.24593807	0.76625	1.1%	0.9%	0.7%	0.4%	0.2%
12	6.92820323	75.39822369	0.76625	1.0%	0.8%	0.6%	0.4%	0.2%
12.5	7.216878365	81.81230869	0.76625	0.9%	0.7%	0.6%	0.4%	0.2%
13	7.505553499	88.48819308	0.76625	0.9%	0.7%	0.5%	0.3%	0.2%
13.5	7.794228634	95.42587685	0.76625	0.8%	0.6%	0.5%	0.3%	0.2%
14	8.082903769	102.62536	0.76625	0.7%	0.6%	0.4%	0.3%	0.1%
14.5	8.371578903	110.0866426	0.76625	0.7%	0.6%	0.4%	0.3%	0.1%
15	8.660254038	117.8097245	0.76625	0.7%	0.5%	0.4%	0.3%	0.1%
15.5	8.948929172	125.7946058	0.76625	0.6%	0.5%	0.4%	0.2%	0.1%
16	9.237604307	134.0412866	0.76625	0.6%	0.5%	0.3%	0.2%	0.1%
16.5	9.526279442	142.5497667	0.76625	0.5%	0.4%	0.3%	0.2%	0.1%
17	9.814954576	151.3200461	0.76625	0.5%	0.4%	0.3%	0.2%	0.1%
17.5	10.10362971	160.352125	0.76625	0.5%	0.4%	0.3%	0.2%	0.1%
18	10.39230485	169.6460033	0.76625	0.5%	0.4%	0.3%	0.2%	0.1%
18.5	10.68097998	179.2016809	0.76625	0.4%	0.3%	0.3%	0.2%	0.1%
19	10.96965511	189.019158	0.76625	0.4%	0.3%	0.2%	0.2%	0.1%
19.5		199.0984344	0.76625	0.4%	0.3%	0.2%	0.2%	0.1%
20	11.54700538	209.4395102	0.76625	0.4%	0.3%	0.2%	0.1%	0.1%
20.5	11.83568052	220.0423854	0.76625	0.3%	0.3%	0.2%	0.1%	0.1%
Horizontal dist	ance of wind farm fo	r this sector	6.13					
High effect if g			5.0%					
Medium effect if between		2.5%	and	5.0%				
Low effect if less than		2.5%						

Figure 6.2 | Visual Effect Levels Northern and Southern Sectors



Distance from turbines (km)	Primary View Zone Radius	Primary View Zone Area	Turbine Area	Turbine Area as Percentage of PVZ Area if 100% of turbines visible	If 80% of turbines visible	If 60% of turbines visible	If 40% of turbines visible	If 20% of turbines visible
1	0.577350269	0.523598776	0.14433757	27.6%	22.1%	16.5%	11.0%	5.5%
1.5	0.866025404	1.178097245	0.21650635	18.4%	14.7%	11.0%	7.4%	3.7%
2	1.154700538	2.094395102	0.28867513	13.8%	11.0%	8.3%	5.5%	2.8%
2.5	1.443375673	3.272492347	0.36084392	11.0%	8.8%	6.6%	4.4%	2.2%
3	1.732050808	4.71238898	0.4330127	9.2%	7.4%	5.5%	3.7%	1.8%
3.5	2.020725942	6.414085001	0.50518149	7.9%	6.3%	4.7%	3.2%	1.6%
4	2.309401077	8.37758041	0.57735027	6.9%	5.5%	4.1%	2.8%	1.4%
4.5	2.598076211	10.60287521	0.64951905		4.9%	3.7%	2.5%	1.2%
5	2.886751346	13.08996939	0.72168784	THE RESERVE OF THE PARTY OF THE	4.4%	3.3%	2.2%	1.1%
5.5	3.175426481	15.83886296	0.79385662	5.0%	4.0%	3.0%	2.0%	1.0%
6	3.464101615	18.84955592	0.8660254	4.6%	3.7%	2.8%	1.8%	0.9%
6.5	3.75277675	22.12204827	0.93819419		3.4%	2.5%	1.7%	0.8%
7	4.041451884	25.65634	1.01036297	3.9%	3.2%	2.4%	1.6%	0.8%
7.5	4.330127019	29.45243113			2.9%	2.2%	1.5%	0.7%
8	4.618802154	33.51032164	1.1	3.3%	2.6%	2.0%	1.3%	0.7%
8.5	4.907477288	37.83001154	1.1		2.3%	1.7%	1.2%	0.6%
9	5.196152423	42.41150082	1.1	2.6%	2.1%	1.6%	1.0%	0.5%
9.5	5.484827557	47.2547895	1.1		1.9%	1.4%	0.9%	0.5%
10	5.773502692	52.35987756	1.1	2.1%	1.7%	1.3%	0.8%	0.4%
10.5	6.062177826	57.72676501	1.1		1.5%	1.1%	0.8%	0.4%
11	6.350852961	63.35545185	1.1		1.4%	1.0%	0.7%	0.3%
11.5	6.639528096	69.24593807	1.1	12.4 25.5	1.3%	1.0%	0.6%	0.3%
12	6.92820323	75.39822369	1.1		1.2%	0.9%	0.6%	0.3%
12.5	7.216878365	81.81230869	1.1		1.1%	0.8%	0.5%	0.3%
12.5	7.505553499	88.48819308	1.1	1.2%	1.0%	0.7%	0.5%	0.2%
13.5	7.794228634	95.42587685	1.1	L'Abbase To Tard	0.9%	0.7%	0.5%	0.2%
13.5	8.082903769	102.62536	1.1	The state of the s	0.9%	0.6%	0.4%	0.2%
14.5	8.371578903		1.1		0.8%	0.6%	0.4%	0.2%
14.5	8.660254038	110.0866426 117.8097245	1.1	0.9%		0.6%	0.4%	
		125.7946058		0.9%	0.7%	0.5%	0.4%	0.2%
15.5	8.948929172		1.1			Make marks		0.2%
16	9.237604307	134.0412866	1.1	0.8%	0.7%	0.5%	0.3%	0.2%
16.5	9.526279442	142.5497667	1.1		0.6%	0.5%	0.3%	0.2%
17	9.814954576	151.3200461	1.1		0.6%	0.4%	0.3%	0.1%
17.5	10.10362971	160.352125	1.1	1.00	0.5%	0.4%	0.3%	0.1%
18	10.39230485	169.6460033	1.1	0.6%	0.5%	0.4%	0.3%	0.1%
18.5	10.68097998	179.2016809		0.6%	0.5%	0.4%	0.2%	0.1%
19	10.96965511	189.019158	1.1	0.6%	0.5%	0.3%	0.2%	0.1%
19.5	11.25833025	199.0984344	1.1		0.4%	0.3%	0.2%	0.1%
20	11.54700538	209.4395102	1.1		0.4%	0.3%	0.2%	0.1%
20.5	11.83568052	220.0423854	1.1	0.5%	0.4%	0.3%	0.2%	0.1%
Horizontal dista	ance of wind farm fo	r this sector	8.8					5. ·
High effect if a	eater than		5.0%					
0 0	High effect if greater than Medium effect if between		2.5%	and	5.0%			
Low effect if les	OWNERS AND RESIDENCE OF THE PROPERTY OF THE PR		2.5%	and	0.070			
LOW CHOCKII IC	Jo aran		2.070			l-		

Figure 6.3 | Visual Effect Levels North East and South West Sectors



Distance from turbines (km)	Primary View Zone Radius	Primary View Zone Area	Turbino Aroa	Turbine Area as Percentage of PVZ Area if 100% of turbines visible	If 80% of turbines visible	If 60% of turbines visible	If 40% of turbines visible	If 20% of turbines visible
turbines (km)	0.577350269	0.523598776					11.0%	ADVALUATION (C.V.)
1.5	0.866025404	1.178097245	0.14433757	27.6% 18.4%	22.1% 14.7%	16.5% 11.0%	7.4%	5.5% 3.7%
1.5	1.154700538	2.094395102	0.21650635		11.0%	8.3%	5.5%	2.8%
2.5	1.443375673	3.272492347	0.36084392	11.0%	8.8%	6.6%	4.4%	2.2%
3	1.732050808	4.71238898	0.4330127	9.2%	7.4%	5.5%	3.7%	1.8%
3.5	2.020725942	6.414085001	0.50518149		6.3%	4.7%	3.7%	1.6%
4	2.309401077	8.37758041	0.57735027	6.9%	5.5%	4.1%	2.8%	1.4%
4.5	2.598076211	10.60287521	0.64951905	6.1%	4.9%	3.7%	2.5%	1.2%
5	2.886751346	13.08996939		5.5%	4.4%	3.3%	2.2%	1.1%
5.5	3.175426481	15.83886296	0.79385662	5.0%	4.0%	3.0%	2.0%	1.0%
5.5	3.464101615	18.84955592	0.8660254	4.6%	3.7%	2.8%	1.8%	0.9%
6.5	3.75277675	22.12204827	0.93819419	4.0%	3.4%	2.5%	1.7%	0.8%
7	4.041451884	25.65634	1.01036297	3.9%	3.2%	2.4%	1.6%	0.8%
7.5	4.330127019	29.45243113	1.0625	3.6%	2.9%	2.2%	1.4%	0.7%
8	4.618802154	33.51032164	1.0625	3.2%	2.5%	1.9%	1.3%	0.6%
8.5	4.907477288	37.83001154	1.0625	2.8%	2.2%	1.7%	1.1%	0.6%
9	5.196152423	42.41150082	1.0625	2.5%	2.0%	1.5%	1.0%	0.5%
9.5	5.484827557	47.2547895	1.0625	2.2%	1.8%	1.3%	0.9%	0.4%
10		52.35987756	1.0625	2.0%	1.6%	1.2%	0.8%	0.4%
10.5	6.062177826	57.72676501	1.0625	1.8%	1.5%	1.1%	0.7%	0.4%
11	6.350852961	63.35545185	1.0625	1.7%	1.3%	1.0%	0.7%	0.3%
11.5	6.639528096	69.24593807	1.0625	1.5%	1.2%	0.9%	0.6%	0.3%
12	6.92820323	75.39822369	1.0625	1.4%	1.1%	0.8%	0.6%	0.3%
12.5	7.216878365	81.81230869	1.0625	1.3%	1.0%	0.8%	0.5%	0.3%
13	7.505553499	88.48819308	1.0625	1.2%	1.0%	0.7%	0.5%	0.2%
13.5	7.794228634	95.42587685	1.0625	1.1%	0.9%	0.7%	0.4%	0.2%
14	8.082903769	102.62536	1.0625	1.0%	0.8%	0.6%	0.4%	0.2%
14.5	8.371578903	110.0866426	1.0625	1.0%	0.8%	0.6%	0.4%	0.2%
15	8.660254038	117.8097245	1.0625	0.9%	0.7%	0.5%	0.4%	0.2%
15.5	8.948929172	125.7946058	1.0625	0.8%	0.7%	0.5%	0.3%	0.2%
16	9.237604307	134.0412866	1.0625	0.8%	0.6%	0.5%	0.3%	0.2%
16.5	9.526279442	142.5497667	1.0625	0.7%	0.6%	0.4%	0.3%	0.1%
17	9.814954576	151.3200461	1.0625	0.7%	0.6%	0.4%	0.3%	0.1%
17.5	10.10362971	160.352125	1.0625	0.7%	0.5%	0.4%	0.3%	0.1%
18		169.6460033	1.0625	0.6%	0.5%	0.4%	0.3%	0.1%
18.5	10.68097998	179.2016809	1.0625	0.6%	0.5%	0.4%	0.2%	0.1%
19	10.96965511	189.019158	1.0625	0.6%	0.4%	0.3%	0.2%	0.1%
19.5	11.25833025	199.0984344	1.0625	0.5%	0.4%	0.3%	0.2%	0.1%
20		209.4395102	1.0625	0.5%	0.4%	0.3%	0.2%	0.1%
20.5	11.83568052	220.0423854	1.0625	0.5%	0.4%	0.3%	0.2%	0.1%
	V.							
Horizontal dista	ance of wind farm fo	r this sector	8.5					
Ligh offset if	rootor than		5.0%					
	High effect if greater than Medium effect if between		NAME OF THE PARTY	and	5.0%			1
Low effect if les			2.5% 2.5%	ailu	0.0%			
FOM ELIGCUITIES	oo ulali		Z.J70					

Figure 6.4 | Visual Effect Levels East and West Sectors



Distance from turbines (km)	Primary View Zone Radius	Primary View Zone Area	Turbine Area	Turbine Area as Percentage of PVZ Area if 100% of turbines visible	If 80% of turbines visible	If 60% of turbines visible	If 40% of turbines visible	If 20% of turbines visible
turbines (KIII)	0.577350269	0.523598776	0.14433757	27.6%	22.1%	16.5%	11.0%	5.5%
1.5	0.866025404	1.178097245	0.14453757		14.7%	11.0%	7.4%	3.7%
2	1.154700538	2.094395102	0.28867513		11.0%	8.3%	5.5%	2.8%
2.5	1.443375673	3.272492347	0.36084392	11.0%	8.8%	6.6%	4.4%	2.2%
3	1.732050808	4.71238898	0.30064392	9.2%	7.4%	5.5%	3.7%	1.8%
3.5	2.020725942	6.414085001	0.50518149		6.3%	4.7%	3.2%	1.6%
3.5	2.309401077	8.37758041	0.50316149	6.9%	5.5%	4.7%	2.8%	1.4%
4.5	2.598076211	10.60287521	0.64951905	6.1%	4.9%	3.7%	2.5%	1.2%
4.5	2.886751346	13.08996939	0.72168784	5.5%	4.4%	3.3%	2.2%	1.1%
5.5	3.175426481	15.83886296	0.72106764	5.0%	4.4%	3.0%	2.0%	1.0%
5.5	3.464101615	18.84955592	0.8660254	4.6%	3.7%	2.8%	1.8%	0.9%
6.5	3.75277675	22.12204827	0.8000234	4.0%	3.2%	2.4%	1.6%	0.8%
	4.041451884	25.65634	0.875	3.4%	2.7%	2.4%	1.6%	0.6%
7.5	4.330127019	29.45243113	0.875	3.4%	2.4%	1.8%	1.4%	0.7%
8	4.618802154	33.51032164	0.875	2.6%	2.1%	1.6%	1.0%	0.5%
	4.616602154	37.83001154	0.875	2.3%	1.9%	1.0%	0.9%	0.5%
8.5 9	5.196152423	42.41150082	0.875		1.7%	1.4%	0.9%	0.5%
9.5		47.2547895	0.875	1.9%	1.5%	1.1%	0.8%	0.4%
9.5	5.484827557 5.773502692	52.35987756	0.875	1.5%	1.3%	1.0%	0.7%	0.4%
575	160/27/2 DEMONSTRATE CONTROL OF C	HERVELLEVIN WESTERN DESCRIPTION	100000000000000000000000000000000000000	1.7%	1.2%	0.9%	0.7%	0.3%
10.5 11	6.062177826 6.350852961	57.72676501 63.35545185	0.875 0.875	1.4%	1.1%	0.8%	0.6%	0.3%
	LASSY POLICY IN CONTRACTOR VOLUMENTS	EASSY SYSTEM OWN TYSIC STOLE GLOSTING GOVERNMENT COLORS	TEMPORE STORY	7 - 10 - 10 - 10 - 10 - 10 - 10 - 10 - 1	The state of	0.8%	100000000000000000000000000000000000000	The state of the s
11.5 12	6.639528096 6.92820323	69.24593807 75.39822369	0.875 0.875	1.3%	1.0%	0.7%	0.5%	0.3%
12.5	7.216878365	81.81230869	0.875	A COMPANY OF THE PARTY OF THE P	0.9%	0.7%	0.5%	0.2%
12.5	7.505553499	88.48819308	0.875	1.0%	0.8%	0.6%	0.4%	0.2%
13.5			0.875	0.9%			0.4%	
13.5	7.794228634 8.082903769	95.42587685 102.62536	0.875	0.9%	0.7%	0.6%	0.4%	0.2%
	8.371578903		0.875	0.8%	0.7%	0.5%	0.3%	
14.5 15	8.660254038	110.0866426 117.8097245	0.875		0.6%	0.5%	0.3%	0.2%
15.5	8.948929172	125.7946058	0.875		0.6%	0.4%	0.3%	0.1%
10.5	9.237604307	134.0412866	0.875	0.7%	0.5%	0.4%	0.3%	0.1%
	9.237604307			0.6%	0.5%	0.4%	0.2%	
16.5 17	9.814954576	142.5497667 151.3200461	0.875 0.875	0.6%	0.5%	0.3%	0.2%	0.1%
17.5		160.352125	0.875		0.4%	0.3%		0.1%
17.5	10.10362971 10.39230485	169.6460033	0.875	The state of the s	0.4%	0.3%	0.2%	0.1%
18.5	10.68097998	179.2016809	0.875	0.5%	0.4%	0.3%	0.2%	0.1%
19.5	10.96965511	189.019158	0.875	0.5%	0.4%	0.3%	0.2%	0.1%
19.5	11.25833025	199.0984344	0.875	0.4%	0.4%	0.3%	0.2%	0.1%
20	11.54700538	209.4395102	0.875	0.4%	0.4%	0.3%	0.2%	0.1%
20.5	11.83568052	220.0423854	0.875		0.3%	0.2%	0.2%	0.1%
20.5	11.00000002	220.0423034	0.675	U-170	0.576	U.270	U.270	0.170
Horizontal dicto	ance of wind farm fo	r this sector	7					
i iorizoritai uista	ance of willy faill to	u 113 300101	-					
High effect if a	eater than		5.0%					
High effect if greater than Medium effect if between		2.5%	and	5.0%				
	Low effect if less than		2.5%	uilu	0.070			
LOW CHOCKII IC	JO GIGIT		2.070			li .		

Figure 6.5 | Visual Effect Levels South East and North West Sectors

