

Model to gauge the desirability of incorporating a specific parcel within the urban edge

	Score (1-10)	Weight	Weighted score
HERITAGE/NATURAL ENVIRONMENT			
Inevitable damage to prominent landform and character areas	6	-0.05	-0.30
Inevitable negative visual impact	4	-0.05	-0.20
Inevitable damage to cultural/heritage resource areas	1	-0.05	-0.05
Inevitable damage to conservation sites/ecological resources	5	-0.15	-0.75
AGRICULTURAL POTENTIAL			
Inevitable damage to potential high-intensity agriculture	3	-0.30	-0.90
BUILT ENVIRONMENT			
Services infrastructure in place (capacity and reach)	9	0.30	2.70
Within reach of higher order roads, access routes, transport infrastructure	10	0.05	0.50
Adjacent to existing built area	8	0.05	0.40
Ability to accommodate a specific urban land-use category (compared to other vacant land)	8	0.10	0.80
Contains informal settlements	1	0.10	0.10
Inevitable disaster risk	7	-0.30	-2.10
Urban structural integration ability	10	0.20	2.00
Natural absorption area/ will densify existing city or town	10	0.30	3.00
Inherent site-specific obstacle	10	0.10	1.00
POTENTIAL CONTRIBUTION TO ECONOMIC BASE	8	0.70	5.60
		1.00	11.80

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HERITAGE/NATURAL ENVIRONMENT			
Inevitable damage to prominent landform and character areas	1	-0.05	-0.05
Inevitable negative visual impact	1	-0.05	-0.05
Inevitable damage to cultural/heritage resource areas	4	-0.05	-0.20
Inevitable damage to conservation sites/ecological resources	4	-0.15	-0.60
AGRICULTURAL POTENTIAL			
Inevitable damage to potential high-intensity agriculture	3	-0.30	-0.90
BUILT ENVIRONMENT			
Services infrastructure in place (capacity and reach)	9	0.30	2.70
Within reach of higher order roads, access routes, transport infrastructure	6	0.05	0.30
Adjacent to existing built area	10	0.05	0.50
Ability to accommodate a specific urban land-use category (compared to other vacant land)	10	0.10	1.00
Contains informal settlements	1	0.10	0.10
Inevitable disaster risk	3	-0.30	-0.90
Urban structural integration ability	10	0.20	2.00
Natural absorption area/ will densify existing city or town	10	0.30	3.00
Inherent site-specific obstacle	10	0.10	1.00
POTENTIAL CONTRIBUTION TO ECONOMIC BASE	10	0.70	7.00
		1.00	14.90

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HERITAGE/NATURAL ENVIRONMENT			
Inevitable damage to prominent landform and character areas	1	-0.05	-0.05
Inevitable negative visual impact	1	-0.05	-0.05
Inevitable damage to cultural/heritage resource areas	4	-0.05	-0.20
Inevitable damage to conservation sites/ecological resources	4	-0.15	-0.60
AGRICULTURAL POTENTIAL			
Inevitable damage to potential high-intensity agriculture	3	-0.30	-0.90
BUILT ENVIRONMENT			
Services infrastructure in place (capacity and reach)	7	0.30	2.10
Within reach of higher order roads, access routes, transport infrastructure	6	0.05	0.30
Adjacent to existing built area	10	0.05	0.50
Ability to accommodate a specific urban land-use category (compared to other vacant land)	10	0.10	1.00
Contains informal settlements	1	0.10	0.10
Inevitable disaster risk	3	-0.30	-0.90
Urban structural integration ability	9	0.20	1.80
Natural absorption area/ will densify existing city or town	7	0.30	2.10
Inherent site-specific obstacle	10	0.10	1.00
POTENTIAL CONTRIBUTION TO ECONOMIC BASE	10	0.70	7.00
		1.00	13.20

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HERITAGE/NATURAL ENVIRONMENT			
Inevitable damage to prominent landform and character areas	1	-0.05	-0.05
Inevitable negative visual impact	1	-0.05	-0.05
Inevitable damage to cultural/heritage resource areas	1	-0.05	-0.05
Inevitable damage to conservation sites/ecological resources	7	-0.15	-1.05
AGRICULTURAL POTENTIAL			
Inevitable damage to potential high-intensity agriculture	4	-0.30	-1.20
BUILT ENVIRONMENT			
Services infrastructure in place (capacity and reach)	7	0.30	2.10
Within reach of higher order roads, access routes, transport infrastructure	5	0.05	0.25
Adjacent to existing built area	10	0.05	0.50
Ability to accommodate a specific urban land-use category (compared to other vacant land)	9	0.10	0.90
Contains informal settlements	1	0.10	0.10
Inevitable disaster risk	1	-0.30	-0.30
Urban structural integration ability	9	0.20	1.80
Natural absorption area/ will densify existing city or town	4	0.30	1.20
Inherent site-specific obstacle	9	0.10	0.90
POTENTIAL CONTRIBUTION TO ECONOMIC BASE	7	0.70	4.90
		1.00	9.95

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	Score (1-10)	Weight	Weighted score
HERITAGE/NATURAL ENVIRONMENT			
Inevitable damage to prominent landform and character areas	1	-0.05	-0.05
Inevitable negative visual impact	1	-0.05	-0.05
Inevitable damage to cultural/heritage resource areas	1	-0.05	-0.05
Inevitable damage to conservation sites/ecological resources	7	-0.15	-1.05
AGRICULTURAL POTENTIAL			
Inevitable damage to potential high-intensity agriculture	4	-0.30	-1.20
BUILT ENVIRONMENT			
Services infrastructure in place (capacity and reach)	7	0.30	2.10
Within reach of higher order roads, access routes, transport infrastructure	5	0.05	0.25
Adjacent to existing built area	10	0.05	0.50
Ability to accommodate a specific urban land-use category (compared to other vacant land)	9	0.10	0.90
Contains informal settlements	1	0.10	0.10
Inevitable disaster risk	1	-0.30	-0.30
Urban structural integration ability	9	0.20	1.80
Natural absorption area/ will densify existing city or town	4	0.30	1.20
Inherent site-specific obstacle	8	0.10	0.80
POTENTIAL CONTRIBUTION TO ECONOMIC BASE	7	0.70	4.90
		1.00	9.85

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	Score (1-10)	Weight	Weighted score
HERITAGE/NATURAL ENVIRONMENT			
Inevitable damage to prominent landform and character areas	3	-0.05	-0.15
Inevitable negative visual impact	2	-0.05	-0.10
Inevitable damage to cultural/heritage resource areas	1	-0.05	-0.05
Inevitable damage to conservation sites/ecological resources	1	-0.15	-0.15
AGRICULTURAL POTENTIAL			
Inevitable damage to potential high-intensity agriculture	4	-0.30	-1.20
BUILT ENVIRONMENT			
Services infrastructure in place (capacity and reach)	7	0.30	2.10
Within reach of higher order roads, access routes, transport infrastructure	8	0.05	0.40
Adjacent to existing built area	9	0.05	0.45
Ability to accommodate a specific urban land-use category (compared to other vacant land)	4	0.10	0.40
Contains informal settlements	1	0.10	0.10
Inevitable disaster risk	1	-0.30	-0.30
Urban structural integration ability	3	0.20	0.60
Natural absorption area/ will densify existing city or town	3	0.30	0.90
Inherent site-specific obstacle	7	0.10	0.70
POTENTIAL CONTRIBUTION TO ECONOMIC BASE	4	0.70	2.80
		1.00	6.50

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Inevitable negative visual impact	2	-0.05	-0.10
Inevitable damage to cultural/heritage resource areas	1	-0.05	-0.05
Inevitable damage to conservation sites/ecological resources	1	-0.15	-0.15
AGRICULTURAL POTENTIAL			
Inevitable damage to potential high-intensity agriculture	4	-0.30	-1.20
BUILT ENVIRONMENT			
Services infrastructure in place (capacity and reach)	7	0.30	2.10
Within reach of higher order roads, access routes, transport infrastructure	8	0.05	0.40
Adjacent to existing built area	9	0.05	0.45
Ability to accommodate a specific urban land-use category (compared to other vacant land)	4	0.10	0.40
Contains informal settlements	1	0.10	0.10
Inevitable disaster risk	1	-0.30	-0.30
Urban structural integration ability	3	0.20	0.60
Natural absorption area/ will densify existing city or town	3	0.30	0.90
Inherent site-specific obstacle	7	0.10	0.70
POTENTIAL CONTRIBUTION TO ECONOMIC BASE	4	0.70	2.80
		1.00	6.50

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Inevitable damage to cultural/heritage resource areas	1	-0.05	-0.05
Inevitable damage to conservation sites/ecological resources	1	-0.15	-0.15
AGRICULTURAL POTENTIAL			
Inevitable damage to potential high-intensity agriculture	4	-0.30	-1.20
BUILT ENVIRONMENT			
Services infrastructure in place (capacity and reach)	6	0.30	1.80
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Inevitable disaster risk	1	-0.30	-0.30
Urban structural integration ability	3	0.20	0.60
Natural absorption area/ will densify existing city or town	3	0.30	0.90
Inherent site-specific obstacle	7	0.10	0.70
POTENTIAL CONTRIBUTION TO ECONOMIC BASE	10	0.70	7.00
		1.00	10.90

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Inevitable damage to conservation sites/ecological resources	10	-0.15	-1.50
AGRICULTURAL POTENTIAL			
Inevitable damage to potential high-intensity agriculture	1	-0.30	-0.30
BUILT ENVIRONMENT			
Services infrastructure in place (capacity and reach)	6	0.30	1.80
Within reach of higher order roads, access routes, transport infrastructure	10	0.05	0.50
Adjacent to existing built area	1	0.05	0.05
Ability to accommodate a specific urban land-use category (compared to other vacant land)	10	0.10	1.00
Contains informal settlements	1	0.10	0.10
Inevitable disaster risk	6	-0.30	-1.80
Urban structural integration ability	1	0.20	0.20
Natural absorption area/ will densify existing city or town	1	0.30	0.30
Inherent site-specific obstacle	10	0.10	1.00
POTENTIAL CONTRIBUTION TO ECONOMIC BASE	10	0.70	7.00
		1.00	7.55

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Inevitable disaster risk	1	-0.30	-0.30
Urban structural integration ability	1	0.20	0.20
Natural absorption area/ will densify existing city or town	1	0.30	0.30
Inherent site-specific obstacle	7	0.10	0.70
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Inevitable disaster risk	6	-0.30	-1.80
Urban structural integration ability	1	0.20	0.20
Natural absorption area/ will densify existing city or town	1	0.30	0.30
Inherent site-specific obstacle	10	0.10	1.00
POTENTIAL CONTRIBUTION TO ECONOMIC BASE	10	0.70	7.00
		1.00	6.85

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Adjacent to existing built area	1	0.05	0.05
Ability to accommodate a specific urban land-use category (compared to other vacant land)	2	0.10	0.20
Contains informal settlements	1	0.10	0.10
Inevitable disaster risk	7	-0.30	-2.10
Urban structural integration ability	1	0.20	0.20
Natural absorption area/ will densify existing city or town	1	0.30	0.30
Inherent site-specific obstacle	10	0.10	1.00
POTENTIAL CONTRIBUTION TO ECONOMIC BASE	10	0.70	7.00
		1.00	4.20

Urban Edge Measurement: Velddrif

