

Cheju Mt Halla Cableway - Route Assessment (Construction Phase)

Prepared by Michael Doherty and Guy Barnett (CSIRO Wildlife and Ecology)

Last updated = 30/08/2019 12:37

Environmental Component	Environmental Subcomponent	Existing									Youngsil									Orimok									Kwanumsa											
		Assessment Criteria								(ES)	(RB+)	(RB-)	Assessment Criteria								(ES)	(RB+)	(RB-)	Assessment Criteria								(ES)	(RB+)	(RB-)						
		A1	A2	aT	B1	B2	B3	bT	A1				A2	aT	B1	B2	B3	bT	A1	A2				aT	B1	B2	B3	bT	A1	A2	aT				B1	B2	B3	bT		
Physical / Chemical	Air Quality	3	0	0	1	1	1	3	0	N		3	-1	-3	2	2	3	7	-21	-C		3	-1	-3	2	2	3	7	-21	-C		3	-1	-3	2	2	3	7	-21	-C
	Ground Water Quality	3	0	0	1	1	1	3	0	N		3	-1	-3	2	2	2	6	-18	-B		3	-1	-3	2	2	2	6	-18	-B		3	-2	-6	2	2	2	6	-36	-D
	Surface Water Quality	3	0	0	1	1	1	3	0	N		3	-1	-3	2	2	2	6	-18	-B		3	-1	-3	2	2	2	6	-18	-B		3	-2	-6	2	2	2	6	-36	-D
	Noise	2	0	0	1	1	1	3	0	N		2	-2	-4	2	2	1	5	-20	-C		2	-2	-4	2	2	1	5	-20	-C		2	-2	-4	2	2	1	5	-20	-C
	Slope Stability	1	0	0	1	1	1	3	0	N		1	-1	-1	2	2	2	6	-6	-A		1	-1	-1	2	2	2	6	-6	-A		1	-1	-1	2	2	2	6	-6	-A
	Geotechnical stability	1	0	0	1	1	1	3	0	N		1	-1	-1	2	2	2	6	-6	-A		1	-1	-1	2	2	2	6	-6	-A		1	-3	-3	2	2	2	6	-18	-B
	Soil Erosion	2	1	2	1	1	1	3	6	+A		1	-1	-1	2	2	3	7	-7	-A		1	-1	-1	2	2	3	7	-7	-A		1	-1	-1	2	2	3	7	-7	-A
Biological / Ecological	Rare / Threatened Fauna	4	-1	-4	1	1	1	3	-12		-B	4	-2	-8	3	2	2	7	-56	-D		4	-2	-8	3	2	2	7	-56	-D		4	-3	-12	3	2	2	7	-84	-E
	Fauna Species Richness	3	-1	-3	1	1	1	3	-9		-A	3	-2	-6	2	2	3	7	-42	-D		3	-1	-3	2	2	3	7	-21	-C		3	-3	-9	2	2	3	7	-63	-D
	Fauna Abundance	3	-1	-3	1	1	1	3	-9		-A	3	-1	-3	2	2	3	7	-21	-C		3	-1	-3	2	2	3	7	-21	-C		3	-2	-6	2	2	3	7	-42	-D
	Endangered / Protected Plants	4	-1	-4	1	1	1	3	-12		-B	4	-3	-12	3	2	2	7	-84	-E		4	-1	-4	3	2	2	7	-28	-C		4	-2	-8	3	2	2	7	-56	-D
	Cheju Endemic Plants	3	-1	-3	1	1	1	3	-9		-A	3	-2	-6	3	2	2	7	-42	-D		3	-3	-9	3	2	2	7	-63	-D		3	-1	-3	3	2	2	7	-21	-C
	Korean Endemic Plants	3	-1	-3	1	1	1	3	-9		-A	3	-1	-3	3	2	2	7	-21	-C		3	-2	-6	3	2	2	7	-42	-D		3	-1	-3	3	2	2	7	-21	-C
	Vegetation Cover	2	-1	-2	1	1	1	3	-6		-A	1	-1	-1	3	1	3	7	-7	-A		1	-2	-2	3	1	3	7	-14	-B		1	-3	-3	3	1	3	7	-21	-C
	Vegetation Types	3	-1	-3	1	1	1	3	-9		-A	2	-2	-4	3	1	3	7	-28	-C		2	-1	-2	3	1	3	7	-14	-B		2	-2	-4	3	1	3	7	-28	-C
Sociological / Cultural	Aesthetic/Visual	2	-1	-2	1	1	1	3	-6		-A	1	-2	-2	2	2	3	7	-14	-B		2	-2	-4	2	2	3	7	-28	-C		2	-2	-4	2	2	3	7	-28	-C
	Historical Culture	3	0	0	1	1	1	3	0	N		3	-2	-6	2	2	2	6	-36	-D		3	-1	-3	2	2	2	6	-18	-B		3	-1	-3	2	2	2	6	-18	-B
	Contemporary Culture	3	0	0	1	1	1	3	0	N		3	0	0	1	1	1	3	0	N		3	0	0	1	1	1	3	0	N		0	0	0	1	1	1	3	0	N
	Existing Walking Tracks	3	0	0	1	1	1	3	0	N		3	-2	-6	2	2	3	7	-42	-D		3	-3	-9	2	2	3	7	-63	-D		3	-1	-3	2	2	3	7	-21	-C
	Existing Picnic / Shelter Areas	3	0	0	1	1	1	3	0	N		3	-2	-6	2	2	3	7	-42	-D		3	-3	-9	2	2	3	7	-63	-D		3	-1	-3	2	2	2	6	-18	-B
	Temples	3	0	0	1	1	1	3	0	N		2	-1	-2	2	2	2	6	-12	-B		2	0	0	1	1	1	3	0	N		3	-1	-3	2	2	2	6	-18	-B
	NP Offices / Ranger Quarters	1	0	0	1	1	1	3	0	N		1	-1	-1	2	2	2	6	-6	-A		1	-1	-1	2	2	2	6	-6	-A		1	-1	-1	2	2	2	6	-6	-A
	Visitor Needs	3	-1	-3	1	1	1	3	-9		-A	3	-2	-6	2	2	3	7	-42	-D		3	-2	-6	2	2	3	7	-42	-D		3	-1	-3	2	2	3	7	-21	-C
	Visitor Preferences	3	-1	-3	1	1	1	3	-9		-A	3	-2	-6	2	2	3	7	-42	-D		3	-2	-6	2	2	3	7	-42	-D		3	-1	-3	2	2	3	7	-21	-C
	Parking	1	-1	-1	1	1	1	3	-3		-A	1	-1	-1	2	2	3	7	-7	-A		1	-2	-2	2	2	3	7	-14	-B		2	-1	-2	2	2	3	7	-14	-B
	Traffic / Transport	2	-1	-2	1	1	1	3	-6		-A	2	-1	-2	2	2	3	7	-14	-B		2	-2	-4	2	2	3	7	-28	-C		2	-2	-4	2	2	3	7	-28	-C
	Sewerage	1	0	0	1	1	1	3	0	N		1	-1	-1	2	2	3	7	-7	-A		1	-1	-1	2	2	3	7	-7	-A		1	-1	-1	2	2	3	7	-7	-A
	Water	1	0	0	1	1	1	3	0	N		1	-1	-1	2	2	3	7	-7	-A		1	-1	-1	2	2	3	7	-7	-A		1	-1	-1	2	2	3	7	-7	-A
	Electricity	2	0	0	1	1	1	3	0	N		2	-1	-2	2	2	3	7	-14	-B		1	-1	-1	2	2	3	7	-7	-A		1	-1	-1	2	2	3	7	-7	-A
Waste	1	0	0	1	1	1	3	0	N		1	0	0	1	1	1	3	0	N		1	0	1	1	1	1	3	3	+A		1	0	0	1	1	1	3	0	N	
Communication	1	0	0	1	1	1	3	0	N		1	-1	-1	2	2	3	7	-7	-A		1	-1	-1	2	2	3	7	-7	-A		1	-1	-1	2	2	3	7	-7	-A	
Economic	Local / Regional	3	0	0	1	1	1	3	0	N		3	1	3	2	3	2	7	21	+C		3	1	3	2	3	2	7	21	+C		3	1	3	2	3	2	7	21	+C
	National economy	4	0	0	1	1	1	3	0	N		4	1	4	3	1	2	6	24	+C		4	1	4	3	1	2	6	24	+C		4	1	4	3	1	2	6	24	+C
	Tourism Value Adding	3	0	0	1	1	1	3	0	N		3	-1	-3	2	2	2	6	-18	-B		3	-1	-3	2	2	2	6	-18	-B		3	-1	-3	2	2	2	6	-18	-B
	Existing Tourist Attractions	3	0	0	1	1	1	3	0	N		3	-1	-3	2	2	2	6	-18	-B		3	-2	-6	2	2	2	6	-36	-D		3	-1	-3	2	2	2	6	-18	-B
Feasibility	Climatic Influence	0	0	0	1	1	1	3	0	N		2	-1	-2	2	1	3	6	-12	-B		2	-2	-4	3	1	3	7	-28	-C		2	-3	-6	2	3	3	8	-48	-D
	Ease of Management	0	0	0	1	1	1	3	0	N		3	1	3	2	1	3	6	18	+B		3	-1	-3	2	1	3	6	-18	-B		3	-2	-6	2	1	3	6	-36	-D
	Emergency Management	0	0	0	1	1	1	3	0	N		1	1	1	2	1	3	6	6	+A		1	0	0	2	1	3	6	0	N		1	-1	-1	2	1	3	6	-6	-A
	Financial cost	0	0	0	1	1	1	3	0	N		4	2	8	2	3	3	8	64	+D		4	1	4	2	3	3	8	32	+C		4	-3	-12	2	3	3	8	-96	-E
	Eco-tourism Experience	3	-1	-3	1	1	1	3	-9		-A	3	-1	-3	2	2	3	7	-21	-C		0	0	0	1	1	1	3	0	N		0	0	0	1	1	1	3	0	N
	Constructibility	0	0	0	1	1	1	3	0	N		4	3	12	2	1	3	6	72	+E		4	2	8	2	1	3	6	48	+D		4	-2	-8	2	1	3	6	-48	-D
	Safety	3	0	0	1	1	1	3	0	N		1	1	1	2	1	3	6	6	+A		1	0	0	2	1	3	6	0	N		1	-1	-1	2	1	3	6	-6	-A
Legislation	3	0	0	1	1	1	3	0	N		3	-2	-6	2	2	2	6	-36	-D		3	-2	-6	2	2	2	6	-36	-D		3	-2	-6	2	2	2	6	-36	-D	

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Environmental Component	Environmental Subcomponent	Existing									Youngsil									Orimok									Kwanumsa												
		Assessment Criteria									Assessment Criteria									Assessment Criteria									Assessment Criteria												
		A1	A2	aT	B1	B2	B3	bT	(ES)	(RB+)	(RB-)	A1	A2	aT	B1	B2	B3	bT	(ES)	(RB+)	(RB-)	A1	A2	aT	B1	B2	B3	bT	(ES)	(RB+)	(RB-)	A1	A2	aT	B1	B2	B3	bT	(ES)	(RB+)	(RB-)
Physical / Chemical	Air Quality	3	0	0	1	1	1	3	0	N		3	-1	-3	3	2	3	8	-24		-C	3	-1	-3	3	2	3	8	-24		-C	3	-1	-3	3	2	3	8	-24		-C
	Ground Water Quality	3	0	0	1	1	1	3	0	N		3	1	3	2	2	3	7	21	+C		3	1	3	2	2	3	7	21	+C	3	1	3	2	2	3	7	21	+C		
	Surface Water Quality	3	0	0	1	1	1	3	0	N		3	1	3	2	2	3	7	21	+C		3	1	3	2	2	3	7	21	+C	3	1	3	2	2	3	7	21	+C		
	Noise	2	0	0	1	1	1	3	0	N		2	-1	-2	3	2	1	6	-12		-B	2	-1	-2	3	2	1	6	-12		-B	2	-1	-2	3	2	1	6	-12		-B
	Slope Stability	1	0	0	1	1	1	3	0	N		1	0	0	3	2	2	7	0	N		1	0	0	3	2	2	7	0	N		1	0	0	3	2	2	7	0	N	
	Geotechnical stability	1	0	0	1	1	1	3	0	N		1	0	0	3	2	2	7	0	N		1	0	0	3	2	2	7	0	N		1	0	0	3	2	2	7	0	N	
	Soil Erosion	2	1	2	1	1	1	3	6	+A		1	-1	-1	3	2	3	8	-8		-A	1	-1	-1	3	2	3	8	-8		-A	1	-1	-1	3	2	3	8	-8		-A
Biological / Ecological	Rare / Threatened Fauna	4	-1	-4	1	1	1	3	-12		-B	4	-1	-4	3	2	2	7	-28		-C	4	-2	-8	3	2	2	7	-56		-D	4	-2	-8	3	2	2	7	-56		-D
	Fauna Species Richness	3	-1	-3	1	1	1	3	-9		-A	3	-1	-3	2	2	3	7	-21		-C	3	-1	-3	2	2	3	7	-21		-C	3	-2	-6	2	2	3	7	-42		-D
	Fauna Abundance	3	-1	-3	1	1	1	3	-9		-A	3	-2	-6	2	2	3	7	-42		-D	3	-2	-6	2	2	3	7	-42		-D	3	-2	-6	2	2	3	7	-42		-D
	Endangered / Protected Plants	4	-1	-4	1	1	1	3	-12		-B	4	-1	-4	3	2	2	7	-28		-C	4	-1	-4	3	2	2	7	-28		-C	4	-2	-8	3	2	2	7	-56		-D
	Cheju Endemic Plants	3	-1	-3	1	1	1	3	-9		-A	3	-1	-3	3	2	2	7	-21		-C	3	-1	-3	3	2	2	7	-21		-C	3	-1	-3	3	2	2	7	-21		-C
	Korean Endemic Plants	3	-1	-3	1	1	1	3	-9		-A	3	-1	-3	3	2	2	7	-21		-C	3	-1	-3	3	2	2	7	-21		-C	3	-1	-3	3	2	2	7	-21		-C
	Vegetation Cover	2	-1	-2	1	1	1	3	-6		-A	1	-1	-1	3	1	3	7	-7		-A	1	-1	-1	3	1	3	7	-7		-A	1	-2	-2	3	1	3	7	-14		-B
	Vegetation Types	3	-1	-3	1	1	1	3	-9		-A	2	-1	-2	3	1	3	7	-14		-B	2	-1	-2	3	1	3	7	-14		-B	2	-2	-4	3	1	3	7	-28		-C
Sociological / Cultural	Aesthetic/Visual	2	-1	-2	1	1	1	3	-6		-A	1	-2	-2	3	2	3	8	-16		-B	2	-2	-4	3	2	3	8	-32		-C	2	-2	-4	3	2	3	8	-32		-C
	Historical Culture	3	0	0	1	1	1	3	0	N		3	3	9	3	2	3	8	72	+E		3	3	9	3	2	3	8	72	+E	3	-1	-3	3	2	3	8	-24		-C	
	Contemporary Culture	3	0	0	1	1	1	3	0	N		3	2	6	3	2	3	8	48	+D		3	1	3	3	2	3	8	24	+C	0	0	0	1	1	1	3	0	N		
	Existing Walking Tracks	3	0	0	1	1	1	3	0	N		3	-1	-3	3	2	3	8	-24		-C	3	-1	-3	3	2	3	8	-24		-C	3	0	0	1	1	1	3	0	N	
	Existing Picnic / Shelter Areas	3	0	0	1	1	1	3	0	N		3	-1	-3	3	2	3	8	-24		-C	3	-2	-6	3	2	3	8	-48		-D	3	-1	-3	3	2	2	7	-21		-C
	Temples	3	0	0	1	1	1	3	0	N		2	0	0	1	1	1	3	0	N		2	0	0	1	1	1	3	0	N		3	-1	-3	3	2	2	7	-21		-C
	NP Offices / Ranger Quarters	1	0	0	1	1	1	3	0	N		1	0	0	1	1	1	3	0	N		1	0	0	1	1	1	3	0	N		1	0	0	1	1	1	3	0	N	
	Visitor Needs	3	-1	-3	1	1	1	3	-9		-A	3	3	9	3	2	3	8	72	+E		3	2	6	3	2	3	8	48	+D	3	1	3	3	2	3	8	24	+C		
	Visitor Preferences	3	-1	-3	1	1	1	3	-9		-A	3	3	9	3	2	3	8	72	+E		3	2	6	3	2	3	8	48	+D	3	1	3	3	2	3	8	24	+C		
	Parking	1	-1	-1	1	1	1	3	-3		-A	1	1	1	1	2	3	6	6	+A		2	1	2	3	2	3	8	16	+B	1	0	0	1	2	1	4	0	N		
	Traffic / Transport	2	-1	-2	1	1	1	3	-6		-A	2	-1	-2	1	2	3	6	-12		-B	2	-1	-2	1	2	3	6	-12		-B	2	-1	-2	1	2	3	6	-12		-B
	Sewerage	1	0	0	1	1	1	3	0	N		1	-1	-1	3	2	3	8	-8		-A	1	1	1	3	2	3	8	8	+A	1	-1	-1	3	2	3	8	-8		-A	
	Water	1	0	0	1	1	1	3	0	N		1	0	0	1	1	1	3	0	N		1	0	0	1	1	1	3	0	N		1	-1	-1	3	2	3	8	-8		-A
	Electricity	2	0	0	1	1	1	3	0	N		1	3	3	3	2	3	8	24	+C		1	0	0	1	1	1	3	0	N		1	0	0	1	1	1	3	0	N	
	Waste	1	0	0	1	1	1	3	0	N		1	0	0	1	1	1	3	0	N		1	0	1	1	1	1	3	3	+A	1	0	0	1	1	1	3	0	N		
Communication	1	0	0	1	1	1	3	0	N		1	0	0	1	1	1	3	0	N		1	0	0	1	1	1	3	0	N		1	0	0	1	1	1	3	0	N		
Economic	Local / Regional	3	0	0	1	1	1	3	0	N		3	3	9	3	3	1	7	63	+D		3	3	9	3	3	1	7	63	+D	3	3	9	3	3	1	7	63	+D		
	National economy	4	0	0	1	1	1	3	0	N		4	1	4	1	3	1	5	20	+C		4	1	4	1	3	1	5	20	+C	4	1	4	1	3	1	5	20	+C		
	Tourism Value Adding	3	0	0	1	1	1	3	0	N		3	3	9	3	2	3	8	72	+E		3	3	9	3	2	2	7	63	+D	3	1	3	3	2	3	8	24	+C		
	Existing Tourist Attractions	3	0	0	1	1	1	3	0	N		3	1	3	3	2	2	7	21	+C		3	1	3	3	2	2	7	21	+C	3	1	3	3	2	2	7	21	+C		
Feasibility	Climatic Influence	0	0	0	1	1	1	3	0	N		3	-1	-3	3	3	3	9	-27		-C	3	-2	-6	3	3	3	9	-54		-D	3	-3	-9	3	3	3	9	-81		-E
	Ease of Management	0	0	0	1	1	1	3	0	N		3	2	6	3	3	3	9	54	+D		3	0	0	3	3	3	9	0	N		3	-2	-6	3	3	3	9	-54		-D
	Emergency Management	0	0	0	1	1	1	3	0	N		3	1	3	3	3	3	9	27	+C		3	0	0	3	3	3	9	0	N		3	-2	-6	3	3	3	9	-54		-D
	Financial cost	0	0	0	1	1	1	3	0	N		3	3	9	3	3	3	9	81	+E		3	0	0	3	3	3	9	0	N		3	-3	-9	3	3	3	9	-81		-E
	Eco-tourism Experience	3	-1	-3	1	1	1	3	-9		-A	3	2	6	3	3	3	9	54	+D		3	2	6	3	3	3	9	54	+D	3	-1	-3	3	3	3	9	-27		-C	
	Constructibility	0	0	0	1	1	1	3	0	N		0	0	0	1	1	1	3	0	N		0	0	0	1	1	1	3	0	N		0	0	0	1	1	1	3	0	N	
	Safety	3	0	0	1	1	1	3	0	N		3	2	6	3	3	3	9	54	+D		3	1	3	3	3	3	9	27	+C	3	-1	-3	3	3	3	9	-27		-C	
Legislation	3	0	0	1	1	1	3	0	N		0	0	0	1	1	1	3	0	N		0	0	0	1	1	1	3	0	N		0	0	0	1	1	1	3	0	N		

Cheju Mt Halla Cableway - Route Assessment (Maintenance Phase)

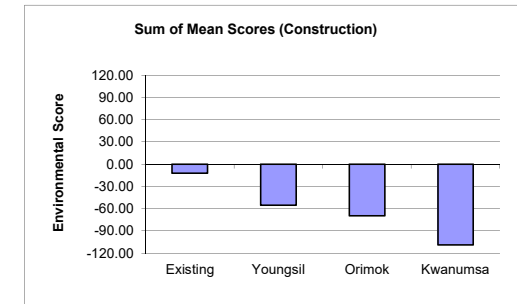
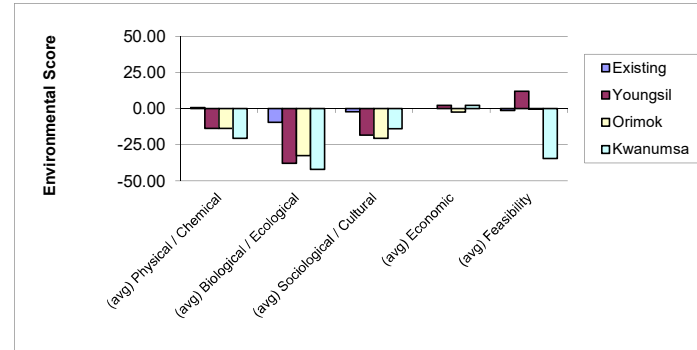
Prepared by Michael Doherty and Guy Barnett (CSIRO Wildlife and Ecology)

Last updated = 30/08/2019 12:37

Environmental Component	Environmental Subcomponent	Existing									Youngsil									Orimok									Kwanumsa												
		Assessment Criteria									Assessment Criteria									Assessment Criteria									Assessment Criteria												
		A1	A2	aT	B1	B2	B3	bT	(ES)	(RB+)	(RB-)	A1	A2	aT	B1	B2	B3	bT	(ES)	(RB+)	(RB-)	A1	A2	aT	B1	B2	B3	bT	(ES)	(RB+)	(RB-)	A1	A2	aT	B1	B2	B3	bT	(ES)	(RB+)	(RB-)
Physical / Chemical	Air Quality	3	0	0	1	1	1	3	0	N		0	0	0	1	1	1	3	0	N		0	0	0	1	1	1	3	0	N		0	0	0	1	1	1	3	0	N	
	Ground Water Quality	3	0	0	1	1	1	3	0	N		3	1	3	2	2	3	7	21	+C		3	1	3	2	2	3	7	21	+C		3	1	3	2	2	3	7	21	+C	
	Surface Water Quality	3	0	0	1	1	1	3	0	N		3	1	3	2	2	3	7	21	+C		3	1	3	2	2	3	7	21	+C		3	1	3	2	2	3	7	21	+C	
	Noise	2	0	0	1	1	1	3	0	N		0	0	0	1	1	1	3	0	N		0	0	0	1	1	1	3	0	N		0	0	0	1	1	1	3	0	N	
	Slope Stability	1	0	0	1	1	1	3	0	N		1	1	1	2	2	2	6	6	+A		1	1	1	2	2	2	6	6	+A		1	1	1	2	2	2	6	6	+A	
	Geotechnical stability	1	0	0	1	1	1	3	0	N		1	1	1	2	2	2	6	6	+A		1	1	1	2	2	2	6	6	+A		1	1	1	2	2	2	6	6	+A	
	Soil Erosion	2	1	2	1	1	1	3	6	+A		1	1	1	2	2	3	7	7	+A		1	1	1	2	2	3	7	7	+A		1	1	1	2	2	3	7	7	+A	
Biological / Ecological	Rare / Threatened Fauna	4	-1	-4	1	1	1	3	-12		-B	4	-1	-4	3	2	2	7	-28		-C	4	-2	-8	3	2	2	7	-56		-D	4	-2	-8	3	2	2	7	-56		-D
	Fauna Species Richness	3	-1	-3	1	1	1	3	-9		-A	3	-1	-3	2	2	3	7	-21		-C	3	-1	-3	2	2	3	7	-21		-D	3	-2	-6	2	2	3	7	-42		-D
	Fauna Abundance	3	-1	-3	1	1	1	3	-9		-A	3	-2	-6	2	2	3	7	-42		-D	3	-2	-6	2	2	3	7	-42		-D	3	-2	-6	2	2	3	7	-42		-D
	Endangered / Protected Plants	4	-1	-4	1	1	1	3	-12		-B	4	-1	-4	3	2	2	7	-28		-C	4	-1	-4	3	2	2	7	-28		-C	4	-2	-8	3	2	2	7	-56		-D
	Cheju Endemic Plants	3	-1	-3	1	1	1	3	-9		-A	3	-1	-3	3	2	2	7	-21		-C	3	-1	-3	3	2	2	7	-21		-C	3	-1	-3	3	2	2	7	-21		-C
	Korean Endemic Plants	3	-1	-3	1	1	1	3	-9		-A	3	-1	-3	3	2	2	7	-21		-C	3	-1	-3	3	2	2	7	-21		-C	3	-1	-3	3	2	2	7	-21		-C
	Vegetation Cover	2	-1	-2	1	1	1	3	-6		-A	1	-1	-1	3	1	3	7	-7		-A	1	-1	-1	3	1	3	7	-7		-A	1	-2	-2	3	1	3	7	-14		-B
	Vegetation Types	3	-1	-3	1	1	1	3	-9		-A	2	-1	-2	3	1	3	7	-14		-B	2	-1	-2	3	1	3	7	-14		-B	2	-2	-4	3	1	3	7	-28		-C
Sociological / Cultural	Aesthetic/Visual	2	-1	-2	1	1	1	3	-6		-A	1	0	0	1	1	1	3	0	N		1	0	0	1	1	1	3	0	N		1	0	0	1	1	1	3	0	N	
	Historical Culture	3	0	0	1	1	1	3	0	N		3	0	0	1	1	1	3	0	N		3	0	0	1	1	1	3	0	N		3	0	0	1	1	1	3	0	N	
	Contemporary Culture	3	0	0	1	1	1	3	0	N		3	0	0	1	1	1	3	0	N		3	0	0	1	1	1	3	0	N		3	0	0	1	1	1	3	0	N	
	Existing Walking Tracks	3	0	0	1	1	1	3	0	N		3	0	0	1	1	1	3	0	N		3	0	0	1	1	1	3	0	N		3	0	0	1	1	1	3	0	N	
	Existing Picnic / Shelter Areas	3	0	0	1	1	1	3	0	N		3	0	0	1	1	1	3	0	N		3	0	0	1	1	1	3	0	N		3	0	0	1	1	1	3	0	N	
	Temples	3	0	0	1	1	1	3	0	N		2	0	0	1	1	1	3	0	N		2	0	0	1	1	1	3	0	N		0	0	0	1	1	1	3	0	N	
	NP Offices / Ranger Quarters	1	0	0	1	1	1	3	0	N		1	0	0	1	1	1	3	0	N		1	0	0	1	1	1	3	0	N		1	0	0	1	1	1	3	0	N	
	Visitor Needs	3	-1	-3	1	1	1	3	-9		-A	0	0	0	1	1	1	3	0	N		0	0	0	1	1	1	3	0	N		0	0	0	1	1	1	3	0	N	
	Visitor Preferences	3	-1	-3	1	1	1	3	-9		-A	0	0	0	1	1	1	3	0	N		0	0	0	3	1	1	5	0	N		0	0	0	1	1	1	3	0	N	
	Parking	1	-1	-1	1	1	1	3	-3		-A	1	0	0	1	1	1	3	0	N		2	1	2	3	2	1	6	12	+B		1	0	0	1	1	1	3	0	N	
	Traffic / Transport	2	-1	-2	1	1	1	3	-6		-A	1	0	0	1	1	1	3	0	N		2	0	0	1	1	1	3	0	N		2	0	0	1	1	1	3	0	N	
	Sewerage	1	0	0	1	1	1	3	0	N		1	-1	-1	3	2	3	8	-8		-A	1	-1	-1	3	2	3	8	-8		-A	1	-1	-1	3	2	3	8	-8		-A
	Water	1	0	0	1	1	1	3	0	N		1	0	0	1	1	1	3	0	N		1	0	0	1	1	1	3	0	N		1	0	0	1	1	1	3	0	N	
	Electricity	2	0	0	1	1	1	3	0	N		1	0	0	1	1	1	3	0	N		1	0	0	1	1	1	3	0	N		1	0	0	1	1	1	3	0	N	
Waste	1	0	0	1	1	1	3	0	N		1	0	0	1	1	1	3	0	N		1	0	0	1	1	1	3	0	N		1	0	0	1	1	1	3	0	N		
Communication	1	0	0	1	1	1	3	0	N		1	0	0	1	1	1	3	0	N		1	0	0	1	1	1	3	0	N		1	0	0	1	1	1	3	0	N		
Economic	Local / Regional	3	0	0	1	1	1	3	0	N		1	2	2	1	2	2	5	10	+B		1	2	2	1	2	2	5	10	+B		1	2	2	1	2	2	5	10	+B	
	National economy	4	0	0	1	1	1	3	0	N		1	2	2	2	3	1	6	12	+B		1	2	2	2	3	1	6	12	+B		1	2	2	2	3	1	6	12	+B	
	Tourism Value Adding	3	0	0	1	1	1	3	0	N		3	0	0	1	1	1	3	0	N		3	0	0	1	1	1	3	0	N		3	0	0	1	1	1	3	0	N	
	Existing Tourist Attractions	3	0	0	1	1	1	3	0	N		3	0	0	1	1	1	3	0	N		3	0	0	1	1	1	3	0	N		3	0	0	1	1	1	3	0	N	
Feasibility	Climatic Influence	0	0	0	1	1	1	3	0	N		1	-1	-1	3	3	3	9	-9		-A	1	-1	-1	3	3	3	9	-9		-A	1	-1	-1	3	3	3	9	-9		-A
	Ease of Management	0	0	0	1	1	1	3	0	N		3	1	3	3	3	3	9	27	+C		3	-1	-3	3	3	3	9	-27		-C	3	-2	-6	3	3	3	9	-54		-D
	Emergency Management	0	0	0	1	1	1	3	0	N		2	1	2	3	3	3	9	18	+B		2	0	0	3	3	3	9	0	N		2	-1	-2	3	3	3	9	-18		-B
	Financial cost	0	0	0	1	1	1	3	0	N		3	2	6	3	3	3	9	54	+D		3	0	0	3	3	3	9	0	N		3	-2	-6	3	3	3	9	-54		-D
	Eco-tourism Experience	3	-1	-3	1	1	1	3	-9		-A	0	0	0	1	1	1	3	0	N		0	0	0	1	1	1	3	0	N		0	0	0	1	1	1	3	0	N	
	Constructibility	0	0	0	1	1	1	3	0	N		0	0	0	1	1	1	3	0	N		0	0	0	1	1	1	3	0	N		0	0	0	1	1	1	3	0	N	
	Safety	3	0	0	1	1	1	3	0	N		1	1	1	3	3	3	9	9	+A		1	-1	-1	3	3	3	9	-9		-A	1	-1	-1	3	3	3	9	-9		-A
Legislation	3	0	0	1	1	1	3	0	N		0	0	0	1	1	1	3	0	N		0	0	0	1	1	1	3	0	N		0	0	0	1	1	1	3	0	N		

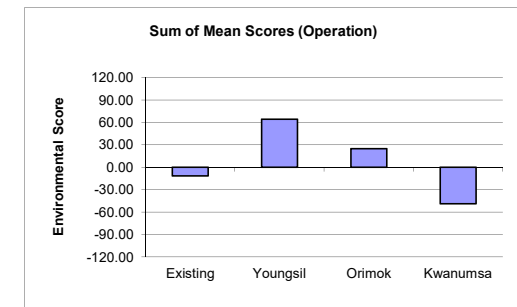
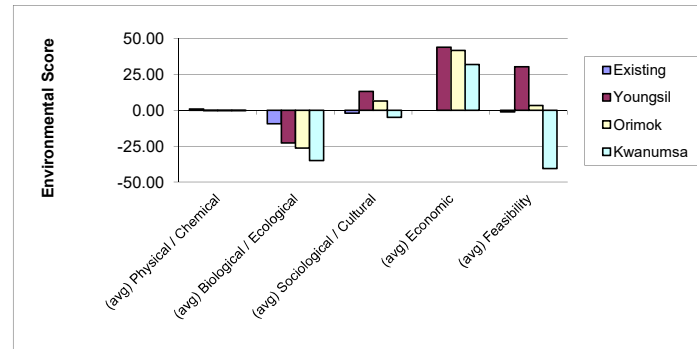
Construction Phase

	Existing	Youngsil	Orimok	Kwanumsa
Sum of environmental scores	-111	-583	-695	-968
Count positive range band	29	9	10	5
Count negative range band	14	34	33	38
(avg) Physical / Chemical	0.86	-13.71	-13.71	-20.57
(avg) Biological / Ecological	-9.38	-37.63	-32.38	-42.00
(avg) Sociological / Cultural	-2.06	-18.25	-20.56	-13.81
(avg) Economic	0.00	2.25	-2.25	2.25
(avg) Feasibility	-1.13	12.13	-0.25	-34.50
Sum of mean scores	-11.71	-55.21	-69.15	-108.63



Operation Phase

	Existing	Youngsil	Orimok	Kwanumsa
sum of environmental scores	-111	445	85	-556
count positive range band	29	26	27	19
count negative range band	14	17	16	24
(avg) Physical / Chemical	0.86	-0.29	-0.29	-0.29
(avg) Biological / Ecological	-9.38	-22.75	-26.25	-35.00
(avg) Sociological / Cultural	-2.06	13.13	6.44	-4.88
(avg) Economic	0.00	44.00	41.75	32.00
(avg) Feasibility	-1.13	30.38	3.38	-40.50
sum of mean scores	-11.71	64.46	25.03	-48.66



Maintenance Phase

	Existing	Youngsil	Orimok	Kwanumsa
sum of environmental scores	-111	-8	-168	-349
count positive range band	29	33	31	29
count negative range band	14	10	12	14
(avg) Physical / Chemical	0.86	8.71	8.71	8.71
(avg) Biological / Ecological	-9.38	-22.75	-26.25	-35.00
(avg) Sociological / Cultural	-2.06	-0.50	0.25	-0.50
(avg) Economic	0.00	5.50	5.50	5.50
(avg) Feasibility	-1.13	12.38	-5.63	-18.00
sum of mean scores	-11.71	3.34	-17.41	-39.29

