

D2R GH541-5-C65J68

WADDEN ISLANDS

SCALE 1:250.000

Appendix to The Dutch Foredues Inventory and Classification

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Production
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Rijkswaterstaat
Survey Department

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Rijkswaterstaat, North-Sea Directorate
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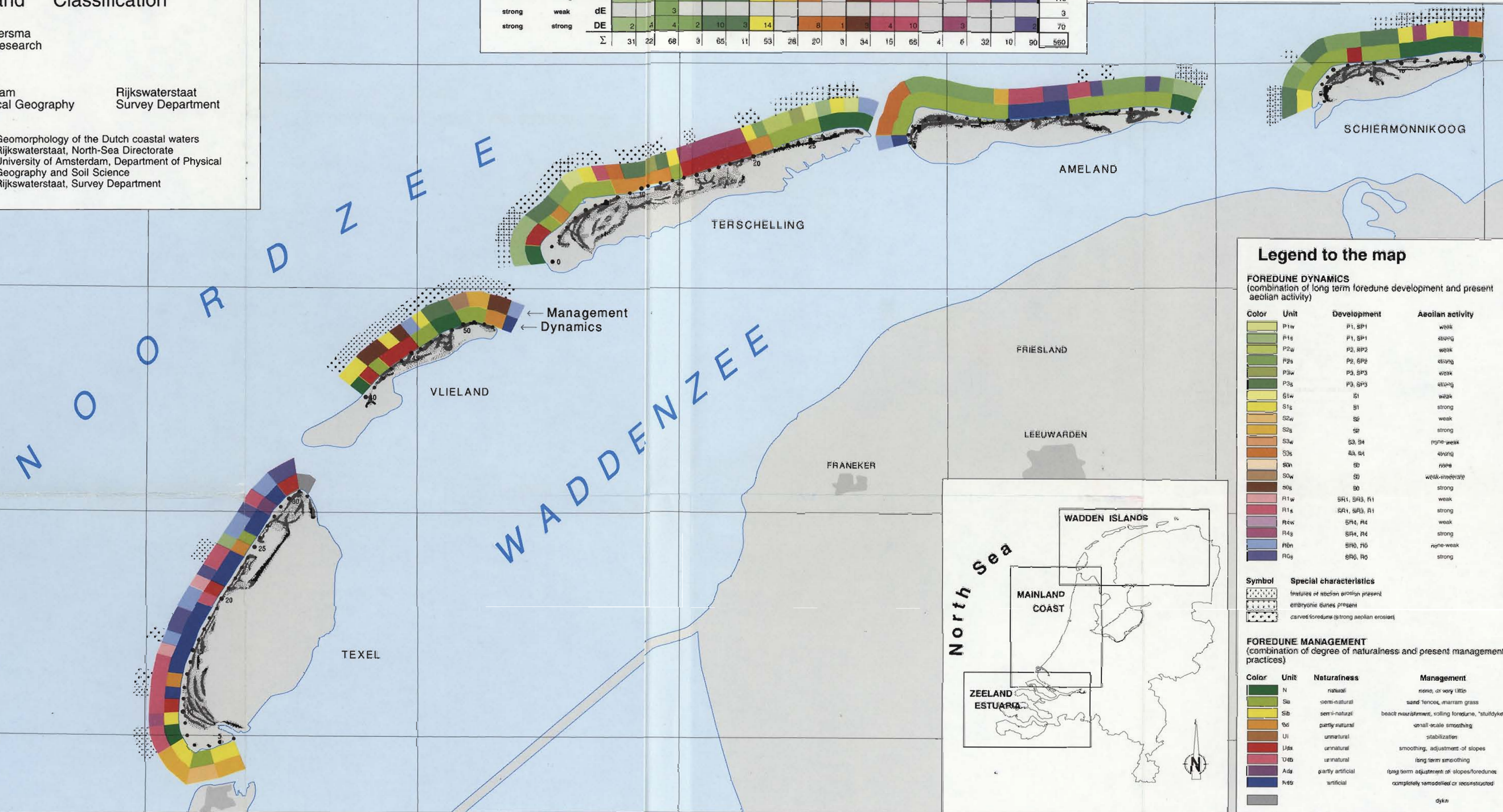
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CROSS TABLE 1. Foredues Dynamics
Contingency Coefficient: 0.619

Development type:		Development type:																		Σ		
Aeolian features:		Progressive foredues						Stable foredues						Regressive foredues								
Erosion	Deposition	P1	S1	P2	SP2	P3	SP3	S1	S2	S3	S4	S0	SR1	R1	SR3	SR4	R4	SR0	R0			
absent	absent	none	2	2								5							2	1	7	10
absent	weak	d	6	2	7		10					2							1		14	25
weak	absent	e	3																		2	5
weak	weak	de	1		4		1												3		1	2
absent	strong	D	13	6	45		26		18	16	10	2	0	7	26	4	3	30	0	5	5	274
strong	absent	E																				-
weak	strong	De	4	8	4	1	18	8	21	5	2		16	4	12				2	1	4	110
strong	weak	dE				3																3
strong	strong	DE	2	4	4	2	10	3	14			8	1	3	4	10						70
		Σ	31	22	68	3	65	11	53	28	20	3	34	15	65	4	6	32	10	90	560	

CROSS TABLE 2. Foredues Management
Contingency Coefficient: 0.869

Management activity:	Management activity:										Σ	
	Indirect activities					Direct activities						
Naturalness:	none	i1	i2	i3	i4	i5	d0	d1	d2	d3	d4	
Natural	62	1	7		2		1					73
Semi-natural	24	15	146		32	9	30	32	8			296
Unnatural	2						2	8	40	28	15	96
Artificial								2		10	83	95
Σ	88	16	153		34	11	31	42	48	38	99	560



Legend to the map

FOREDUES DYNAMICS
(combination of long term foredues development and present aeolian activity)

Color	Unit	Development	Aeolian activity
Light Green	P1w	P1, SP1	weak
Light Yellow	P1s	P1, SP1	strong
Light Green	P2w	P2, SP2	weak
Light Yellow	P2s	P2, SP2	strong
Light Green	P3w	P3, SP3	weak
Light Yellow	P3s	P3, SP3	strong
Light Green	S1w	S1	weak
Light Yellow	S1s	S1	strong
Light Green	S2w	S2	weak
Light Yellow	S2s	S2	strong
Light Green	S3w	S3, S4	none-weak
Light Yellow	S3s	S3, S4	strong
Light Green	S0w	S0	none
Light Yellow	S0s	S0	weak-medium
Light Green	S0s	S0	strong
Light Yellow	R1w	SR1, SR3, R1	weak
Light Yellow	R1s	SR1, SR3, R1	strong
Light Green	R4w	SR4, R4	weak
Light Yellow	R4s	SR4, R4	strong
Light Green	R0w	SR0, R0	none-weak
Light Yellow	R0s	SR0, R0	strong

Symbol Special characteristics

- features of aeolian erosion present
- embryonic dunes present
- curved foredues (strong aeolian erosion)

FOREDUES MANAGEMENT
(combination of degree of naturalness and present management practices)

Color	Unit	Naturalness	Management
Green	N	natural	none, or very little
Light Green	Si	semi-natural	sand fences, marram grass
Light Yellow	Sb	semi-natural	beach nourishment, rolling foredues, "stuifoker"
Light Green	U1	partly natural	small scale smoothing
Light Yellow	U2	unnatural	stabilization
Light Green	U3	unnatural	smoothing, adjustment of slopes
Light Yellow	U4	unnatural	long term smoothing
Light Green	A1	partly artificial	long term adjustment of slopes/foredues
Light Yellow	A2	artificial	completely remodelled or reconstructed
Grey			dyke