9.APPENDIX

The five tables show the accuracy statistics for the classified results from the classification of year 1984,1990, 2000 ,2010 and 2019. The accuracies of producer and user are given in percentage values.

A. Accuracy Assessment with Error Matrices for year 1984

	Grassland	Water	Built up Area	Bare Land	Agricultural Land	Total	User Acc
Grassland	21	4	0	0	0	25	84
Water	1	24	0	0	0	25	96
Built up Area	0	0	18	7	0	25	72
Bare Land	0	0	7	17	1	25	68
Agricultural Land	6	0	0	0	19	25	76
Total	28	28	25	24	20	125	
Producer Acc	75	85.71	72	70.83	95		
Overall Classification accuracy	79%						
Kappa Statistics	74%						

B. Accuracy Assessment with Error Matrices for year 1990

	Grassland	Water	Built up Area	Bare Land	Agricultural Land	Total	User Acc
Grassland	19	0	0	0	6	25	76
Water	0	25	0	0	0	25	100
Built up Area	0	0	21	4	0	25	84
Bare Land	0	0	4	21	0	25	84
Agricultural Land	5	0	0	0	20	25	80
Total	24	25	25	25	26	125	
Producer Acc	79.16	100	84	84	76.92		
Overall Classification accuracy	85%						
Kappa Statistics	82%						

C. Accuracy Assessment with Error Matrices for year 2000

	Grassland	Water	Built up Area	Bare land	Agricultural Land	Total	User Acc
Grassland	21	0	0	0	4	25	84
Water	3	22	0	0	0	25	88
Built up Area	0	0	20	5	0	25	80
Bare land	0	0	4	21	0	25	84
Agricultural Land	2	0	0	0	23	25	92
Total	26	22	24	26	27	125	
Producer Acc	80.76	100	83.33	80.76	85.18		
Overall Classification accuracy	86%						
Kappa Statistics	82%						

D. Accuracy Assessment with Error Matrices for year 2010

	Grassland	Water	Built up Area	Bare land	Agricultural Land	Total	User Acc
Grassland	20	0	0	0	5	25	80
Water	5	20	0	0	0	25	80
Built up Area	0	0	23	2	0	25	92
Bare land	0	0	2	23	0	25	92
Agricultural Land	1	0	0	0	24	25	96
Total	26	20	25	25	29	125	
Producer Acc	76.92	100	92	92	82.75		
Overall Classification accuracy	88%						
Kappa Statistics	85%						

E. Accuracy Assessment with Error Matrices for year 2019

	Grassland	Water	Built up Area	Bare Land	Agricultural Land	Total	User Acc.
Grassland	18	7	0	0	0	25	72
Water	1	24	0	0	0	25	96
Built up Area	0	3	20	2	0	25	80
Bare Land	0	0	2	23	0	25	92
Agricultural Land	4	0	0	0	21	25	84
Total	23	34	22	25	21	125	
Producer Acc.	78.26	70.58	90.9	92	100		
Overall Classification accuracy	85%						
Kappa Statistics	81.00%						

G. The Římov Reservoir – construction of the dam, 1974–1975. (Source: Znachor, P et al 2016).

H. The Římov Reservoir – construction of the dam 1977 (Source: Znachor, P et al 2016).

I. The Římov Reservoir – present day aerial view of then reservoir from the dam (Source: Znachor, P et al 2016).