

Table S1: Surface lithology and ground permeability in catchments of the Lachotka, Przebędowo, and Miedzichowo Reservoirs.

Surface Lithology			Permeability of Deposits		
Lachotka Reservoir					
Lithology	[km²]	[%]	Class of Permeability	[km²]	[%]
glacial tills	0.86	24%	1	0.86	23.80%
peaty aggradate muds on sandy aggradate muds of valley floors	0.001	0.1%	2	0.001	0.07%
sandy aggradate muds of valley floors	0.23	6%	3	0.23	6.39%
sands, gravels, and deluvial loams	0.19	5%	4	1.70	46.93%
sands, gravels, and glacial boulders on glacial tills	1.51	42%			
sands, gravels, and boulders of terminal moraines	0.08	2%	5	0.18	5.08%
sands, gravels, and glacial boulders	0.10	3%	5		
fluvioglacial sands and gravels	0.43	12%	7	0.64	17.73%
fluvioglacial sands and gravels (outwash plain)	0.21	6%	7		
total	3.62	100%	Total	3.62	1
Miedzichowo Reservoir					
sandy aggradate muds of valley floors	0.08	21%	3	0.08	21%
sands and silty sands, fluvial and fluvioglacial	0.18	46%	4	0.32	79%
sands and gravels of terminal moraines	0.13	33%	5	0.00	0%
total	0.40	100	Total	0.40	100
Przebędowo Reservoir					
glacial tills	1.54	37%	1	1.54	37%
humic sands on fluvioglacial sands and gravels (outwash plain)	0.03	1%	3	2.15	52%
dusty weathered sands (eluvial) on glacial tills	1.69	41%			
deluvial sands and loams	0.26	6%			
peats on sandy aggradate muds of valley floors	0.03	1%			
peats	0.13	3%	4	0.33	8%
glacial sands on glacial tills	0.23	6%			
humic sands	0.08	2%			
fluvioglacial sands and gravels on glacial tills	0.02	0%			
sands and gravels of terminal moraines	0.06	1%	5	0.06	1%
fluvioglacial sands and gravels	0.07	2%	7	0.07	2%
total	4.14	100%	Total	4.14	100%