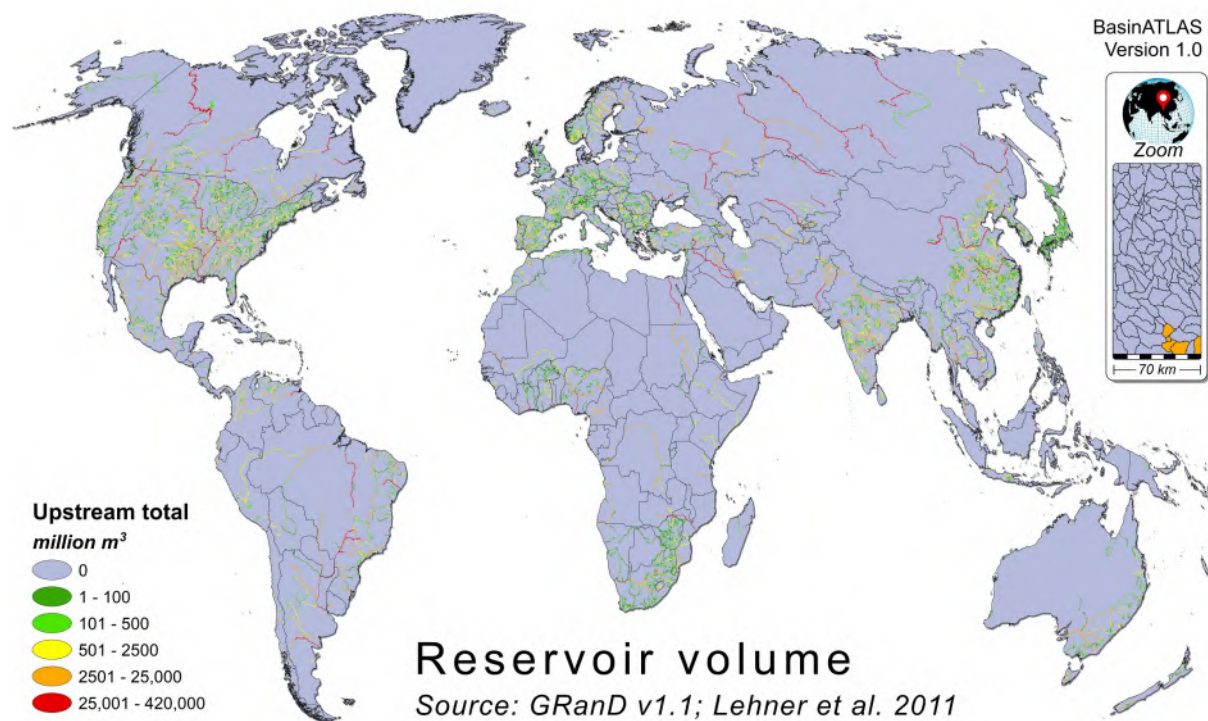


Category	Hydrology	ID-H06	>>> Back to Attribute List
Attribute	Reservoir Volume		
Source data	Global Reservoir and Dams (GRanD) database v1.1		
Citation:	Lehner et al. 2011	Native format:	Polygons
		Units:	million cubic meters
Column name	rev_mc_{xoo}	(for syntax options of suffix {xoo} see next lines)	
Spatial extent {x}:	{u} in total watershed upstream of sub-basin pour point		
Dimension {oo}:	{su} sum		
Existing suffixes {xoo}:	usu		



Data description	The Global Reservoir and Dam (GRanD) database, version 1.1, contains 6,862 records of reservoirs and their associated dams with a cumulative storage capacity of 6,197 km ³ . The dams were geospatially referenced and assigned to polygons depicting reservoir outlines at high spatial resolution. Dams have multiple attributes, including reservoir area and volume. While the main focus was to include all dams associated with reservoirs that have a storage capacity of at least 0.1 km ³ , smaller dams and reservoirs were added where data were available. The data were compiled by an international research team on behalf of the Global Water System Project (GWSP).
Reference	Lehner, B., Reidy Liermann, C., Revenga, C., Vörösmarty, C., Fekete, B., Crouzet, P., ... & Wisser, D. (2011). High- resolution mapping of the world's reservoirs and dams for sustainable river-flow management. <i>Frontiers in Ecology and the Environment</i> , 9(9), 494-502.
Website	https://sedac.ciesin.columbia.edu/data/collection/grand-v1
License	Original: Free for non-commercial use -- HydroATLAS: Creative Commons CC-BY 4.0
Additional information	The calculations used all dams from GRanD v1.1 except those attributed as "unknown capacity", "planned", "destroyed", "under construction" yet with unknown year of completion, and "unreliable quality". Also, Lake Victoria was excluded as it is a lake regulation structure that is not operated at full capacity. This left 6,778 out of all 6,862 original GRanD reservoirs.