

### Reservoirs in Turkmenistan

	<b>Saryyazy</b>	<b>Kolkhoz-bent</b>	<b>Iolotan</b>	<b>Middle Gindukush</b>	<b>Lower Gindukush</b>	<b>Dostlukskoe</b>	<b>Khor-khor</b>	<b>Tedjen</b>
Location	Maryisky velayat	Maryisky velayat	Maryisky velayat	Maryisky velayat	Maryisky velayat	Akhalsky velayat	Akhalsky velayat	Akhalsky velayat
Water course (river, canal, etc.)	Murgab	Murgab	Murgab	Murgab	Murgab	Tedjen	Tedjen	Tedjen
Regulation (daily, seasonal, etc.)	seasonal regulation	seasonal regulation	seasonal regulation	seasonal regulation	seasonal regulation	over-year regulation	seasonal regulation	seasonal regulation
Type of reservoir	in-channel	in-channel	in-channel	in-channel	in-channel	in-channel	off-channel	in-channel
Purpose (irrigation, other)	irrigation	irrigation	irrigation	irrigation	irrigation	irrigation	irrigation	irrigation
Year of going into operation	1960	1886	1910	1895	1895		1960	1950
Year of reconstruction		1910, 1941		1938, 1953				
Designed duration of reservoir sedimentation (years)							10	
Irrigated land area (thousand hectares)		67,5	47,4	42,9			6,8	
Usable storage (million m <sup>3</sup> )		30	24	15	16		10,9	
Total storage (million m <sup>3</sup> )	400	30	24	15	16		10,9	
Normal maximum operating level - NMOL (m)		297,9	286,22	278,43	276,51		302	
Inactive storage level (m)		silty	279,07	271,03	269,9		silty	
Surcharged reservoir level (m)								
Average length under NMOL (m)	40000							
Average width under NMOL (m)	5000	2800					1150	
Maximal depth (m)	20	7,15	7,15	7,4	6,78		3	
Water-surface area under NMOL (km <sup>2</sup> )	78	66,5	13,15	5,48	6,07		3,44	
Coastline length (m)		69000	51000	19000	11000		7200	
Type of dam (concrete, other)	earthen dam	earthen dam	earthen dam	earthen dam	earthen dam		earthen dam	

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Maximal height of dam (m)		10	12,67	10,13	6,05		8	
Length of top of dam (m)	5400	1417	661	145	7810		1552	
Width of top of dam (m)		6	8,5	6	5		6	
Designed height of wave (m)							1,51	
Type of hydropower station (barrage, other)								
Hydropower-plant capacity (million kilowatt /year)								

	<b>Mamedkol</b>	<b>Gyzylay</b>	<b>Delili</b>	<b>15 years of Independence (Zeid)</b>	<b>Khovuzkhan</b>	<b>Zapadny</b>	<b>Kopetdag</b>
Location	Balkansky velayat	Balkansky velayat	Balkansky velayat	Lebapsky velayat	Maryisky velayat	Akhalsky velayat	Akhalsky velayat
Water course (river, canal, etc.)	Etrek		Etrek	Amudarya	Karakum	Karakum	Karakum
Regulation (daily, seasonal, etc.)	seasonal regulation		seasonal regulation	seasonal regulation	seasonal regulation	seasonal regulation	seasonal regulation
Type of reservoir	off-channel		off-channel	off-channel	off-channel	off-channel	in-channel
Purpose (irrigation, other)	irrigation	irrigation	irrigation	irrigation	irrigation	irrigation	irrigation
Year of going into operation	1964		1970	1991	1962 1-stage 1973 2-stage	1962	1974 1-stage 1994 2-stage
Year of reconstruction							
Designed duration of reservoir sedimentation (years)					116		
Irrigated land area (thousand hectares)				920	660	38	515
Usable storage (million m3)	17,9		5,32	1150	700	48	540
Total storage (million m3)	20,5		5,32				

	<b>Mamedkol</b>	<b>Gyzylay</b>	<b>Delili</b>	<b>15 years of Independence (Zeid)</b>	<b>Khovuzkhan</b>	<b>Zapadny</b>	<b>Kopetdag</b>
Normal maximum operating level - NMOL (m)							
Inactive storage level (m)							
Surcharged reservoir level (m)					14500		
Average length under NMOL (m)					11,75		
Average width under NMOL (m)					10		
Maximal depth (m)					207		
Water-surface area under NMOL (km2)	6,4				7000		
Coastline length (m)					15		
Type of dam (concrete, other)				earthen dam	earthen dam	earthen dam	earthen dam
Maximal height of dam (m)					34960		
Length of top of dam (m)	5600				8		
Width of top of dam (m)					2		
Designed height of wave (m)							
Type of hydropower station (barrage, other)							
Hydropower-plant capacity (million kilowatt /year)							

Source: Ministry of Water Resources of Turkmenistan