COMMUNITY INVESTIGATIONS – 2023–2024: UMID Support to Social Development Public Union – "Community-based Solutions for Irrigation and Drinking Water Supply" Project
Preliminary findings on water-related challenges and proposed solutions across selected rural communities

No	District	Village	No. of households	No. of community members	Problem description	Proposed solution	Remarks
1	Kurdamir	Chohranli	305	1396	The community has no drinking water source and no access to potable water.	Construct a 1.5 km connection from the nearest main water pipeline to supply water to households.	An initial community meeting was held, the water source identified, and preliminary design works initiated. The first public consultation is planned for 15 March. The plan is to connect a 1.5 km pipeline from the main water line to the community and distribute water through public fountains.
2		Garabujag	102	556	The community has no drinking water source and no access to potable water.	The head of the Water Department proposed connecting to the nearby main line and distributing water to households through meters.	A preliminary community meeting was held, the water source identified, and technical drawings initiated. The first community meeting is planned for late March. The plan includes extending a 500 m line from the main pipe and distributing water through fountains.
3	Goranboy	Veyisli	130	500	The population uses 12 public springs in neighbouring villages. The main water source is the Balligaya pipeline.	Build an internal water distribution network to deliver household connections.	Following discussions with the Deputy Head of Goranboy Executive Authority, it was noted that the settlement includes IDPs from Kalbajar, and due to potential return, the area was not considered a current priority.
4		Gazanbulag	242	986	A 7 km-long water line supplies water from a river-based reservoir using pumps, with metered household distribution. However, the population still faces limited access. The tank roof is damaged and requires replacement, and an additional storage reservoir is needed.	Reconstruct the existing storage tank (replace roof) and build an additional water reservoir to ensure sufficient supply.	
5		Shafag	230	800	The village has a partial water supply network; only 60 houses are connected. The main source is the Balligaya pipeline.	Extend the network to cover remaining households and ensure full water access.	

6	**Goranboy**	Garachinar / Gakhtut	534	2115	The main water source is Balligaya reservoir. The existing village network is unplanned and irregular ("spider-web" layout).	Replace the outdated lines and construct a new, properly engineered water supply network for household connections.	
7		Shafibayli	77	312	A water source exists, but no internal network.	Build an internal distribution network and connect households.	
8		Goran settlement	60	312	The main source is an artesian well; the existing network was installed in the 1950s.	Rehabilitate and modernize the entire village water supply network.	
9		Balakurd	533	2054	The main source is the Balligaya pipeline. Only 60 households are connected.	Rebuild the internal water network and extend to other households; replace the existing 4 km section of 63 mm pipes with 100 mm pipes.	
10		Rahimli	361	1176	The main source is the Balligaya reservoir; no internal connections exist.	Renew 3 km of transmission line and build household-level connections.	
11	**Samukh**	Institut	400	1600	The community's drinking water source is connected to the city's main water pipeline. The village is located close to the district center and has a storage tank (estacade). However, the existing network, made of iron pipes installed in 1959, is heavily corroded and outdated (the layout resembles a "spider web").	Construct a new water distribution network to replace the old system and ensure safe drinking water access.	
12		Ashaghi Aghasibayli	98	483	The local reclamation authority operates 9 sub-artesian wells. There is no drinking water source nearby. Residents rely on trucked water, which is expensive.	Sub-artesian wells exist, but no internal water system. Install a large-capacity storage tank and build a water distribution system.	
13		Giyasli	131	565	The district's melioration department operates 7 sub-artesian wells and several natural springs. There is no nearby drinking water source. Residents rely on expensive trucked water.	Build a pipeline network from the sub-artesian wells and extend connections to households.	
14		Yukhari Bujag	220	1810	The community has 11 springs providing around 20 m^3 of purified water daily.	To resolve the drinking water issue, two existing 5-ton storage tanks should be replaced, and the current 1.1 kW pump upgraded to a 2.2 kW unit to ensure stable water pressure.	Preparation of the project proposal and budget can begin. Simultaneously, formation of the Community Water Committee (CWC) and Community Development Council (CDC) should be ensured.
15		Balchili	300	1141	The community has 18 springs providing around 36 m^3 of purified water daily.	Replace two 5-ton tanks and upgrade the 1.1 kW pump to 2.2 kW for improved performance.	

16		Jirdakhan	170	738	The community has 7 springs supplying 36 m³ of purified water daily.	Replace two 5-ton tanks and upgrade the 1.1 kW water pump to a 2.2 kW model.	
17		Yukhari Garkhun	328	1400	Drinking water is pumped into a 20-ton storage tank and distributed through an old iron pipeline network to households. The tank and pipes are corroded.	Replace the storage tank and the corroded pipelines to ensure a safe and reliable water supply.	
18		Garaoghlan	300	1200	The community has 8 springs that provide 20 m³ of purified water daily.	Replace the existing storage tank to improve drinking water reliability.	
19		Khanabad	450	1819	The community has 9 springs that supply 36 m³ of purified water daily.	Replace the existing water tank with a new one of appropriate capacity.	
20		Akshan	400	1350	The community has 9 springs providing around 36 m³ of purified water daily.	Replace the existing storage tank to ensure uninterrupted drinking water supply.	
21	**Yevlakh**	Narimanabad	435	1845	An artesian well and distribution network exist, but inefficient management causes periodic water shortages.	Construct a large-capacity storage tank and raise it on an estacade, connecting it to the existing water line to stabilize the system.	The issue can be resolved within the framework of the current project.
22		Nematabad	355	1715	There are three storage tanks in the community.	Install additional pipelines and elevate the tanks. Construct approximately 3 km of new water line and procure new 15–20-ton tanks.	The issue cannot be addressed within the project framework.
23		Khanabad	460	2000	An artesian well (300 mm water pipe) was drilled for irrigation purposes.	Install a water pump and supply water to the irrigation canal located 30 meters away to cover approximately 200 hectares of farmland.	According to preliminary assessment, the issue can be addressed within the project framework. However, all technical details and risks must be further analyzed.
24		Varvara	385	1820	Around 50 individual farmers cultivate 220–240 hectares of land with weak access to irrigation water. The fields are located near the Karabakh canal.	Two 1,390-meter concrete irrigation canals along the field require complete rehabilitation.	Cannot be solved within the current project framework. Requires significant financial resources.
25		Marzili	105	450	Limited access to drinking water; the main pipelines supplying Mingachevir water are out of order. The settlement is located above the Shirvan canal.	Construction of a new water purification and distribution system is required to provide safe drinking water.	Cannot be solved within the current project framework due to high financial cost.
26		Duzdagh	100	435	A sub-artesian well exists, but there is no water supply system.	Construct an elevated estacade, install a storage tank on top, place a water pump on the artesian well, and lay a water distribution pipeline.	Cannot be resolved within the project framework because the water is not suitable for drinking.
27		Khaldan	400	1678	The community has 13 springs that provide 30 m³ of purified water daily.	Replace the existing 1.1 kW water pump with a 2.2 kW pump to improve system performance.	
28		Hapitli	226	1003	An artesian well exists, but there is no storage tank.	Install a storage tank and distribute water from it to 20 public fountains.	
29	**Aghdash**	Yenije	416	1860	The community has a water source but no purification facility.	Construct a water purification unit and public fountains to ensure access to safe drinking water.	
30		Orta Leki	751	3247	The existing concrete irrigation canal does not deliver water efficiently to the end of the line.	Install a pump in the Turyan River and organize irrigation through sprinkler systems.	

31		Arabojag	214	874	The community has a water source but no purification facility.	Construct a water purification unit and public fountains to ensure safe and continuous water supply.	
32		Gazigumlag	1200	6000	The community has both a water source and a purification facility, but the system does not cover the entire village.	Construct an additional water purification unit to provide safe drinking water to the remaining part of the community.	
33		Malikballi	400	2000	The capacity of the existing purification unit is insufficient.	Build 10 additional public fountains to provide water access for 1,000 households.	
34	**Ujar**	Bargushad	1500	8000	A water purification system previously installed by Umid exists, but it does not fully meet the community's demand.	Connect to the Kululu water main and distribute water through public fountains.	
35		Alpout	1300	7000	A water purification system previously installed by Umid exists but is currently non-operational.	Rehabilitate the purification unit and construct new public fountains to restore access to safe water.	
36		Lek	846	4026	The community has a water source but no purification facility.	Construct a water purification unit and public fountains to ensure safe drinking water for residents.	
Total:	**6**	**30**	**14464**	**66266**			