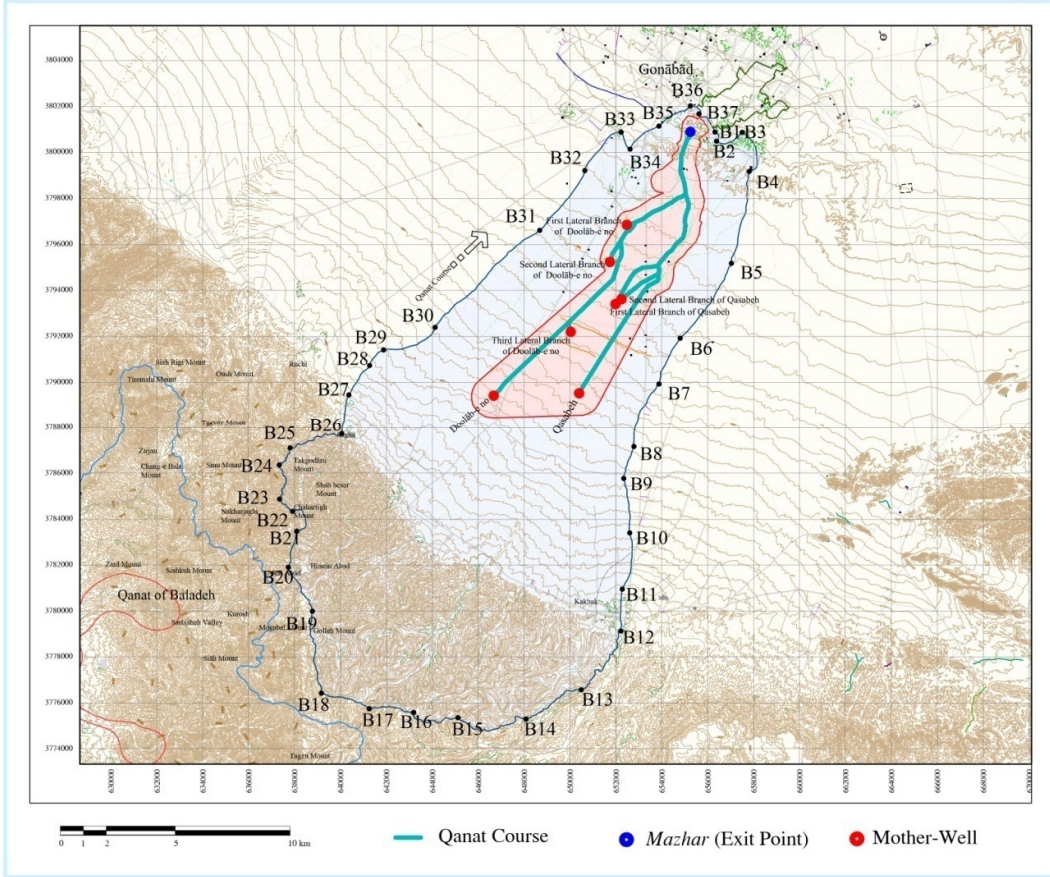


Qasabeh Qanat
Buffer Zone



Zone	Area
Core Zone	4492 ha
Buffer Zone	25805 ha
Agricultural Demand Area	589 ha

Geographical coordinates of Buffer Zone

Point	X	Y	Point	X	Y
B1	656314.9095	3800883.5965	B20	637724.8990	3781896.3810
B2	656379.7578	3800487.0557	B21	638097.7905	3783466.3440
B3	657498.8653	3800865.2061	B22	637910.4735	3784332.2138
B4	657810.1719	3799170.8370	B23	637345.8567	3784865.8455
B5	657032.0580	3795172.4783	B24	637333.8070	3786352.5549
B6	654796.6233	3791917.2581	B25	637808.8258	3787103.9008
B7	653868.4971	3789920.3804	B26	640061.3836	3787723.3334
B8	653868.4971	3789920.3804	B27	640364.6762	3789450.5834
B9	652335.8430	3785771.4533	B28	641264.2339	3790732.2164
B10	652596.9081	3783193.8961	B29	641875.9754	3791405.1138
B11	652277.0451	3780940.2813	B30	644121.0560	3792387.3408
B12	652207.9941	3779123.3689	B31	648677.6252	3796610.7129
B13	650486.3899	3776558.9675	B32	650640.9376	3799208.4433
B14	648077.4546	3775281.8427	B33	652225.6554	3800877.0671
B15	645118.4954	3775337.3863	B34	652613.4543	3800137.1180
B16	643178.6502	3775563.5318	B35	653872.5681	3801140.8871
B17	641255.2151	3775730.7459	B36	655243.3489	3802017.5574
B18	639171.8500	3776408.4360	B37	655619.8061	3801670.2230
B19	638783.7685	3779984.0780	B38		

Regulation

Buffer Zone of Qanat is the area specified for protecting the qanat and its water-supplying system against possible natural, environmental, cultural and landscape damages.

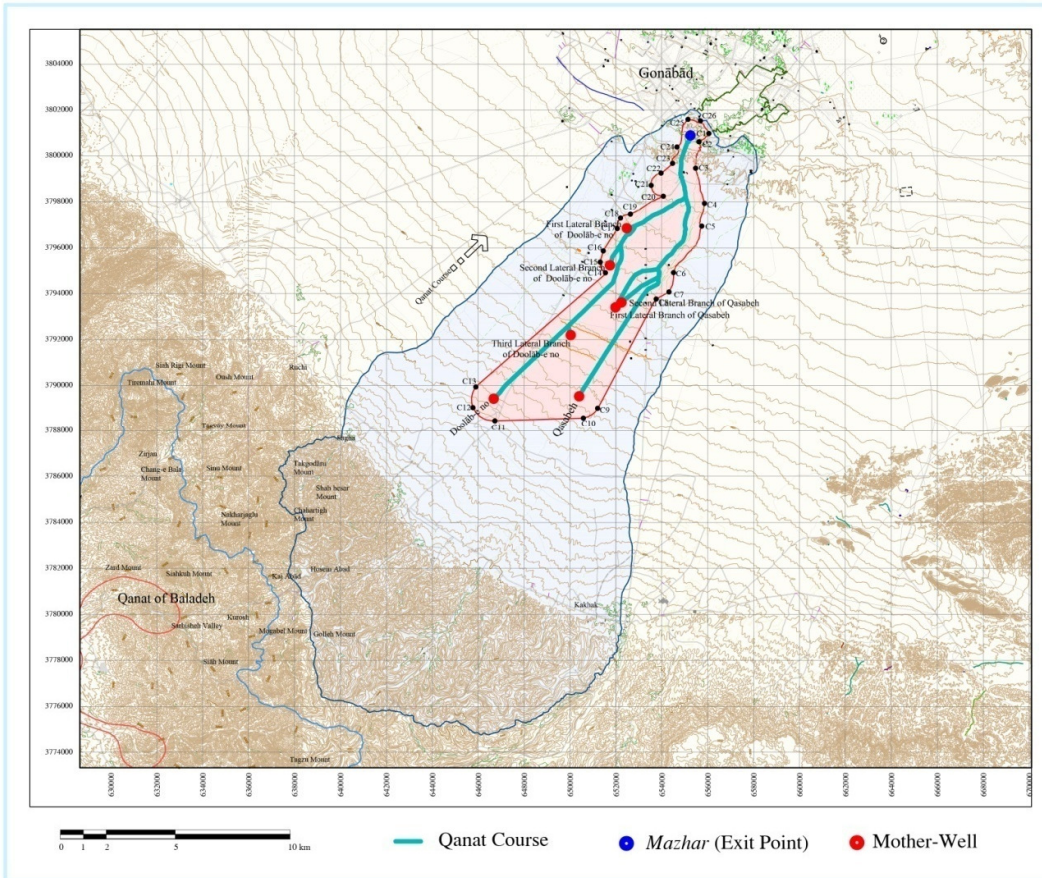
Its limits include the watershed (which affects feeding the water table), the hydraulic and quality boundaries of qanat as well as the waterways. Buffer zone is delineated by taking into account body, environmental, natural and landscape values.

Note: in regions where the qanat course passes through urban fabric and residential areas, 50 meters on either side of qanat axis (a total width of 100m) has been considered as the buffer zone.

1. Any activities endangering qanat life such as digging deep or semi-deep water wells, intervention in the watershed system also harming the natural, cultural-historical landscape and habitat of the region is strictly banned.
2. Construction of industrial and semi-industrial facilities as well as expansion and addition of attachments to existing structures depends on obtaining permit from ICHHTO
3. Body development of towns and villages located within the buffer zone must be based on regional programs, pilot projects as well as on detailed and master plans.
4. Gathering garbage, construction debris, wastewater, pollutants as well as industrial trash, agricultural residues and livestock droppings is forbidden.

Map 1-8. Qasabeh Qanat Buffer Zone

Qasabeh Qanat Core Zone



Zone	Area
Core Zone	4492 ha
Buffer Zone	25805 ha
Agricultural Demand Area	589 ha

Regulation

The Core Zone is an area specified for conservation of the physical structure of qanat including well shafts, gallery, soil mounds produced around well shafts as well as other elements dependent on qanat and its conservation boundaries

The following technical factors have been taken into account for determining the core zone: water-wells depth, soil fabric, gallery depth, local geology, distances between well-shafts and other things having an influence on the physical structure of qanat.

Clause: in regions where the qanat course passes through urban fabric and residential areas, 15 meters on either side of qanat axis (a total breadth of 30m) has been taken as the core zone

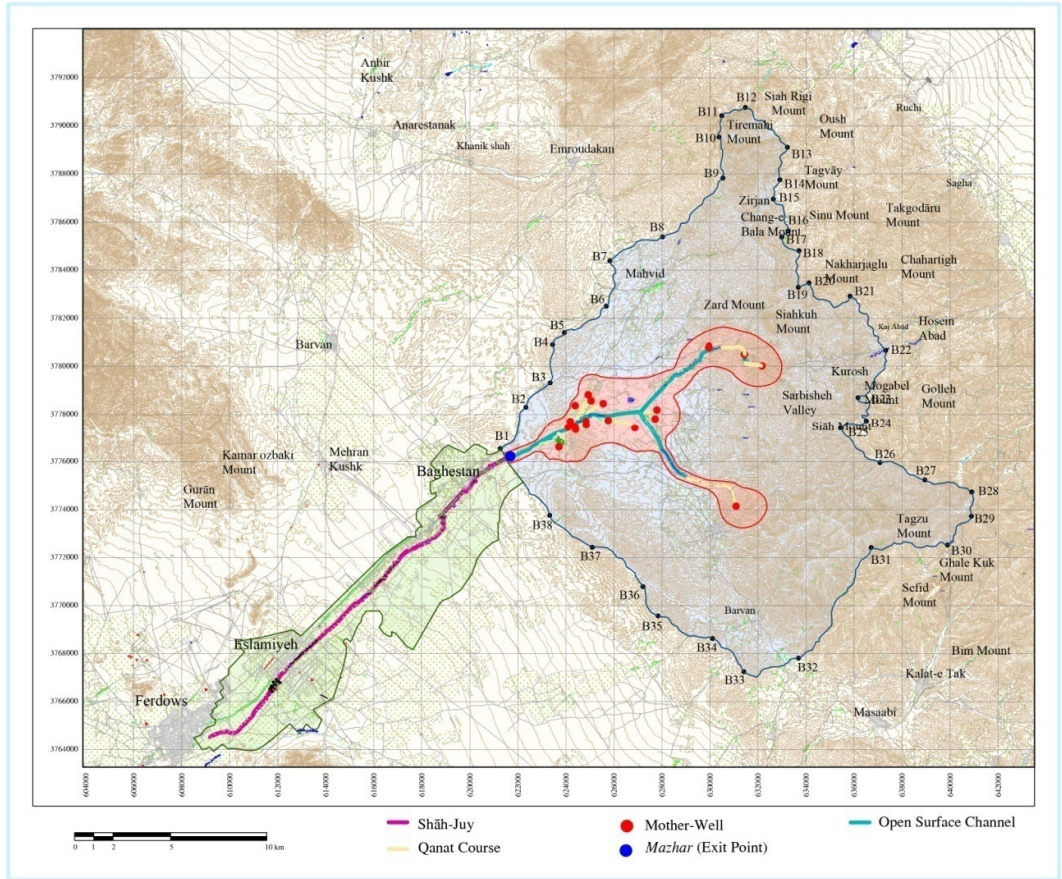
- Any developmental activities such as constructions, building of facilities, power transfer lines, installation of poles, constructing and extending any kind of roads, explorations, minings or any other activities resulting in the potential damage or destruction of the core zone and/or harming its authenticity and integrity as well as endangering its body, environmental, natural and landscape characteristics are prohibited.
- Digging wells and constructing relevant attachments such as: the pump house, water or wastewater canals, etc... is strictly forbidden.
- Any changes in land use and in the function of constructions are banned.
- Any changes in the exploitation style of farmlands including: their conversion to gardens or cultivation of species harming qanats is prohibited.
- Dividing and enlarging non-agricultural constructions and lands within the area is illegal pending the written permission of ICHHTO
- Any activities such as growing crops, animal husbandry or livestock grazing which might result in hurting or damaging the ecological capacity of the core zone of the monument and/or harming its body, environmental, natural and landscape characteristics and values are prohibited.
 Note: continuance of agricultural activities in lands within the core zone is allowed on condition that they do not harm the qanat
- Amassing garbage, construction rubble, wastewater, pollutants as well as industrial scraps, agricultural residues and livestock droppings is forbidden.

Geographical coordinates of Core Zone

Point	X	Y	Point	X	Y
C1	656048.5096	3800975.7610	C14	651540.1500	3794902.0737
C2	655468.5632	3799462.6260	C15	651312.2824	3795373.5347
C3	655468.5632	3799462.6260	C16	651451.8612	3795859.9879
C4	655854.7315	3797926.3199	C17	652057.8474	3796833.2072
C5	655739.8976	3796936.6463	C18	652200.5165	3797293.7014
C6	654509.0096	3794913.5262	C19	652628.2631	3797464.0670
C7	654308.7320	3794070.6795	C20	654060.7629	3798237.7564
C8	653754.9276	3793757.9872	C21	653529.9469	3798709.8908
C9	651202.5951	3788998.5379	C22	653961.6899	3799247.3523
C10	650580.5544	3788566.8552	C23	654461.6496	3799673.0579
C11	646724.0175	3788450.2760	C24	654659.0329	3800387.3931
C12	645767.6968	3789027.1345	C25	655136.1418	3801587.4403
C13	645895.0581	3789931.0323	C26	655682.1101	3801523.7360

Map 1-9. Qasabeh Qanat Core Zone

Qanat of Baladeh Buffer Zone



Zone	Area
Core Zone	2757 ha
Buffer Zone	19321 ha
Agricultural Demand Area	4957 ha

Geographical coordinates of Buffer Zone

Point	X	Y	Point	X	Y
B1	621266.7127	3776538.4856	B20	634124.4223	3783470.1068
B2	622335.7710	3778297.2882	B21	635833.8437	3782915.9180
B3	623347.6340	3779313.1639	B22	637524.6140	3780661.3317
B4	623445.4224	3780900.4670	B23	636163.5720	3778690.3023
B5	623943.6152	3781404.5553	B24	636513.0223	3777720.8910
B6	625681.1136	3782505.3840	B25	635444.1462	3777416.5771
B7	625833.7193	3784384.9675	B26	637077.2048	3775949.1764
B8	628028.8787	3785376.9034	B27	638949.8892	3775230.0935
B9	630541.4876	3787833.6287	B28	640900.2507	3774729.9294
B10	630379.2844	3789536.6439	B29	640889.5144	3773713.4800
B11	630490.3270	3790420.6991	B30	639898.1569	3772517.6053
B12	631469.6100	3790766.5585	B31	636712.0382	3772411.6653
B13	633220.4276	3789109.4091	B32	633689.4984	3767803.2046
B14	632909.3908	3787760.2399	B33	631413.3867	3767240.2005
B15	632639.5965	3786955.8996	B34	630109.5409	3768623.1352
B16	633264.0576	3785627.2034	B35	627841.3059	3769559.5849
B17	632990.7895	3785372.6027	B36	627209.2829	3770780.4371
B18	633705.2030	3784808.1644	B37	625106.0209	3772425.0850
B19	633684.1222	3783285.2305	B38	623327.5167	3773755.7405

Regulation

Buffer Zone of Qanat is the area specified for protecting the qanat and its water-supplying system against possible natural, environmental, cultural and landscape damages.

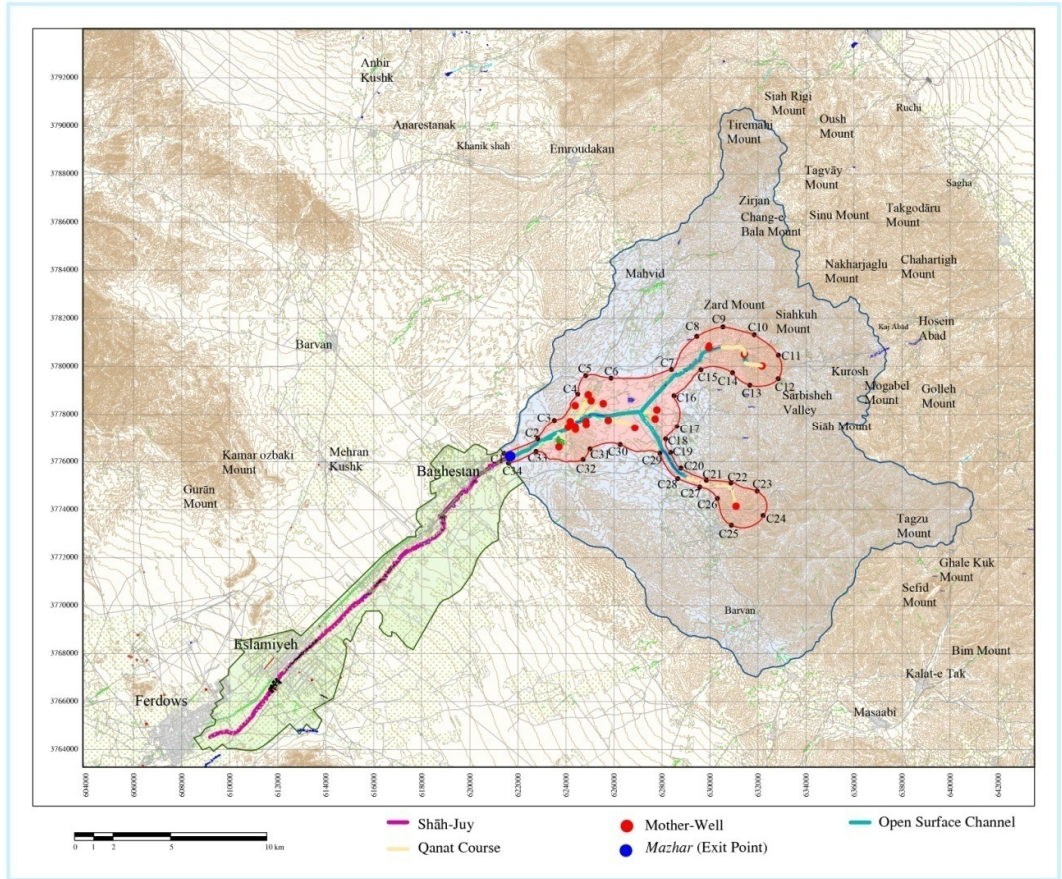
Its limits include the watershed (which affects feeding the water table), the hydraulic and quality boundaries of qanat as well as the waterways. Buffer zone is delineated by taking into account body, environmental, natural and landscape values.

Note: in regions where the qanat course passes through urban fabric and residential areas, 50 meters on either side of qanat axis (a total width of 100m) has been considered as the buffer zone.

1. Any activities endangering qanat life such as digging deep or semi-deep water wells, intervention in the watershed system also harming the natural, cultural-historical landscape and habitat of the region is strictly banned.
2. Construction of industrial and semi-industrial facilities as well as expansion and addition of attachments to existing structures depends on obtaining permit from ICHHTO
3. Body development of towns and villages located within the buffer zone must be based on regional programs, pilot projects as well as on detailed and master plans.
4. Gathering garbage, construction debris, wastewater, pollutants as well as industrial trash, agricultural residues and livestock droppings is forbidden.

Map 1-11. Qanat of Baladeh Buffer Zone

Qanat of Baladeh Core Zone



Zone	Area
Core Zone	2757 ha
Buffer Zone	19321 ha
Agricultural Demand Area	4957 ha

Geographical coordinates of Core Zone

Point	X	Y	Point	X	Y
C1	621424.8058	3776334.4977	C18	628156.9843	3776946.1853
C2	622826.2904	3776942.3964	C19	628220.6864	3776270.1071
C3	623519.3189	3777740.7568	C20	628650.1535	3775622.3333
C4	624496.0804	3778845.2973	C21	629710.5815	3775111.8492
C5	624822.8477	3779610.9985	C22	630880.5580	3775107.1665
C6	625876.4790	3779509.8961	C23	631962.9695	3774769.8442
C7	628402.1724	3779866.0955	C24	632217.5418	3773748.9474
C8	629453.8741	3781243.2863	C25	630894.1705	3773342.3810
C9	630540.3425	3781638.7829	C26	630310.1675	3774460.9930
C10	631846.2660	3781316.9928	C27	629576.6215	3774938.9164
C11	632850.7849	3780461.6914	C28	628653.8598	3775281.9180
C12	632842.8106	3779481.2654	C29	627918.0735	3776339.5182
C13	631661.7163	3779216.2875	C30	626265.2481	3776704.8281
C14	630935.4852	3779735.2993	C31	625009.2428	3776525.3603
C15	629619.7277	3779856.5196	C32	624718.3522	3776078.8588
C16	628509.3943	3778772.3303	C33	622757.4012	3776419.1385
C17	628629.2761	3777478.7333	C34	621613.7036	3775927.2216

Regulation

the core zone is an area specified for conservation of the physical structure of qanat including well shafts, gallery, soil mounds produced around well shafts as well as other elements dependent on qanat and its conservation boundaries

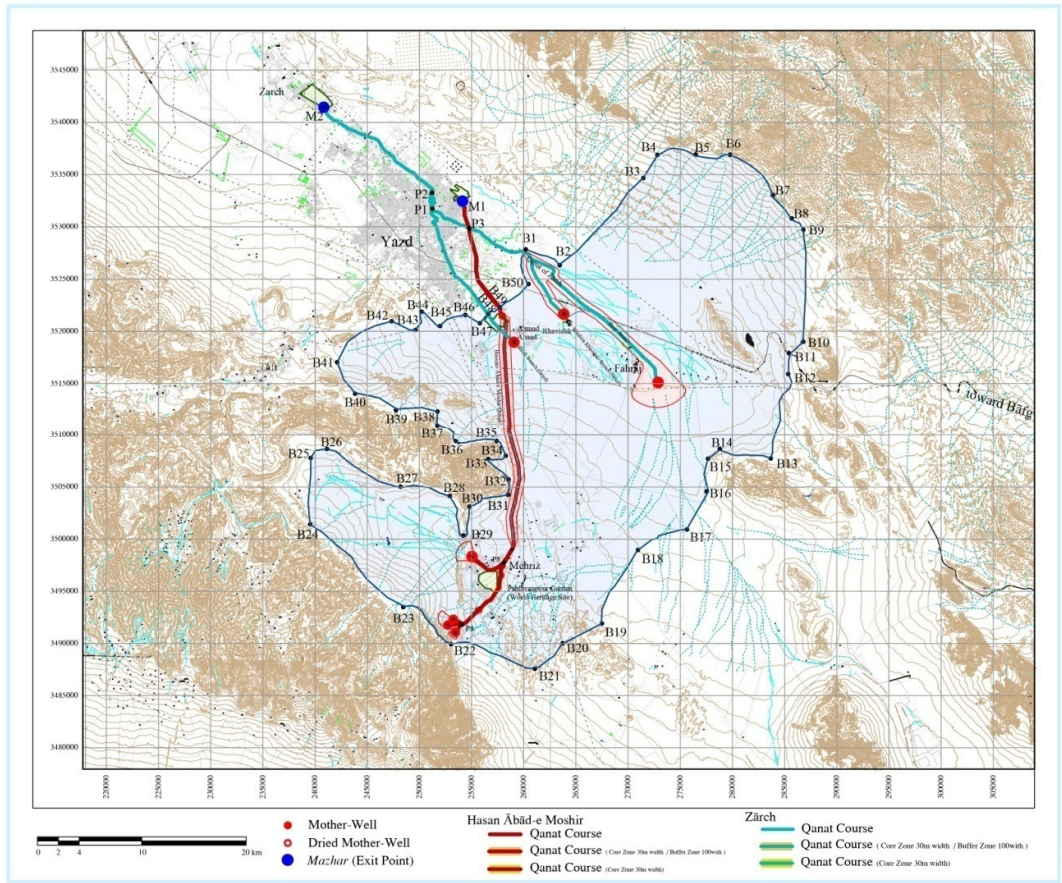
The following technical factors have been taken into account for determining the core zone: water-wells depth, soil fabric, gallery depth, local geology, distances between well-shafts and other things having an influence on the physical structure of qanat.

Clause: in regions where the qanat course passes through urban fabric and residential areas, 15 meters on either side of qanat axis (a total breadth of 30m) has been taken as the core zone

- Any developmental activities such as constructions, building of facilities, power transfer lines, installation of poles, constructing and extending any kind of roads, explorations, minings or any other activities resulting in the potential damage or destruction of the core zone and/or harming its authenticity and integrity as well as endangering its body, environmental, natural and landscape characteristics are prohibited.
- Digging wells and constructing relevant attachments such as: the pump house, water or wastewater canals, etc... is strictly forbidden.
- Any changes in land use and in the function of constructions are banned.
- Any changes in the exploitation style of farmlands including: their conversion to gardens or cultivation of species harming qanats is prohibited.
- Dividing and enlarging non-agricultural constructions and lands within the area is illegal pending the written permission of ICHHTO
- Any activities such as growing crops, animal husbandry or livestock grazing which might result in hurting or damaging the ecological capacity of the core zone of the monument and/or harming its body, environmental, natural and landscape characteristics and values are prohibited.
Note: continuance of agricultural activities in lands within the core zone is allowed on condition that they do not harm the qanat
- Amassing garbage, construction rubble, wastewater, pollutants as well as industrial scraps, agricultural residues and livestock droppings is forbidden.

Map 1-12. Qanat of Baladeh Core Zone

Qanat of Zārch Buffer Zone



Zone	Area
Core Zone	3984 ha
Buffer Zone	125162 ha
Agricultural Demand Area	344 ha

Geographical coordinates of Buffer Zone

Point	X	Y	Point	X	Y
B1	269235.1119	3527428.4815	B20	254202.0756	3508037.3291
B2	263444.8921	3526370.8783	B21	254806.5141	3503301.1886
B3	271454.9008	3534669.4615	B22	258484.1757	3504245.4613
B4	272799.2825	3536665.7190	B23	258538.5947	3509718.7143
B5	276473.8180	3536912.8970	B24	254582.1912	3507680.1389
B6	279777.0717	3536489.6317	B25	254265.9189	3508060.0000
B7	283861.8669	3535026.7716	B26	257793.8679	3509007.5600
B8	285669.8928	3530791.8095	B27	253450.4837	3509584.3488
B9	286783.1851	3529729.1288	B28	251707.6492	3510663.8633
B10	286786.6211	3519000.0015	B29	251719.8922	3512320.8593
B11	285488.1888	3517961.5809	B30	251775.7465	3512309.8352
B12	285348.2800	3515910.2160	B31	243830.2792	3514824.0443
B13	283660.5240	3507728.4890	B32	242109.6439	3517045.9723
B14	278786.2305	3508645.4119	B33	247323.0614	3520951.2915
B15	277648.0980	3507893.7780	B34	249670.2523	3520136.2475
B16	277528.7148	3506467.0249	B35	250210.3561	3521868.8348
B17	275628.4736	3506992.4188	B36	251978.8046	3520509.0357
B18	270931.8384	3498946.1200	B37	244403.2270	3521562.8369
B19	267847.0286	3491064.4521	B38	235779.1086	3520771.2493
B20	267721.2699	3490013.2072	B39	260778.3341	3524880.9997
B21	263655.4608	3487574.0612	B40	254403.2270	3521562.8369
B22	253813.2173	3489920.5229	B41	245779.1086	3520771.2493
B23	248448.4302	3493477.9931	B42	251213	3531708
B24	239525.2248	3501419.9999	B43	251176	3533213
B25	239570.8979	3501780.1307	B44	254764	3527841
B26	241143.8290	3508639.4600	B45	254128	3532449
B27	248179.1839	3509515.9484	B46	248020	3541467
B28	252902.4642	3504134.1558			

Regulation

Buffer Zone of Qanat is the area specified for protecting the qanat and its water-supplying system against possible natural, environmental, cultural and landscape damages.

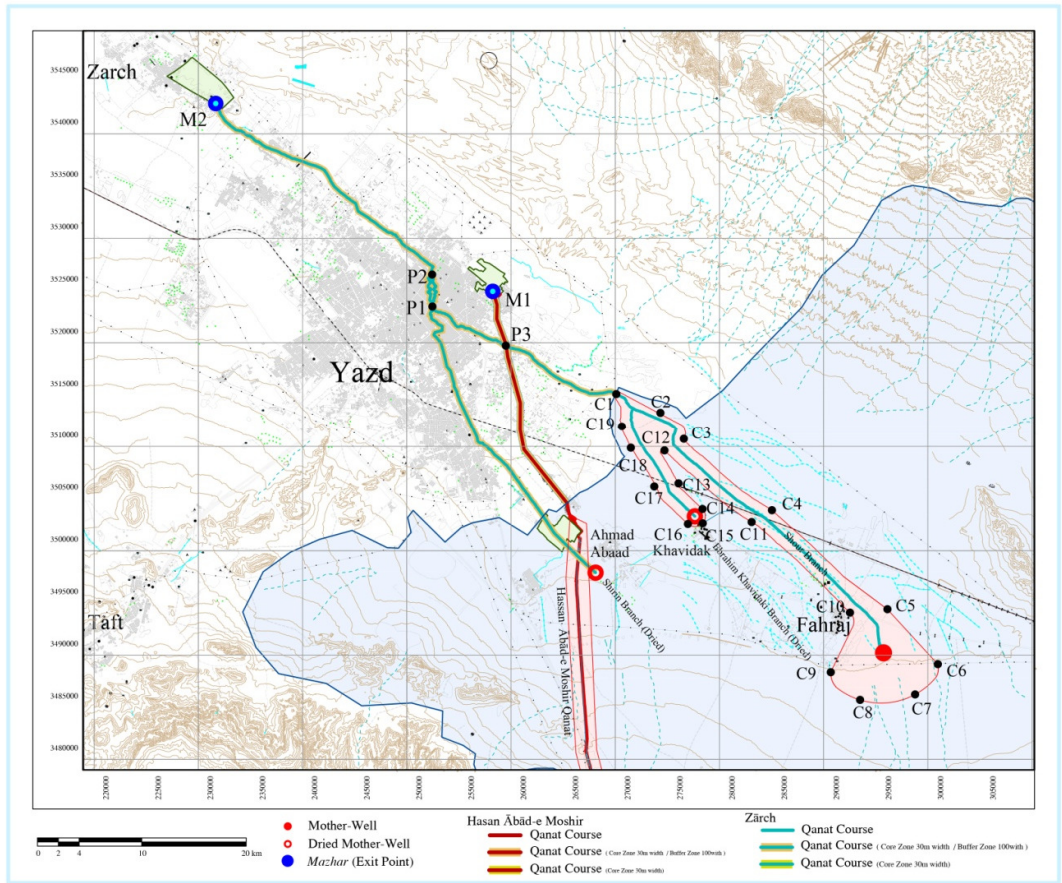
Its limits include the watershed (which affects feeding the water table), the hydraulic and quality boundaries of qanat as well as the waterways. Buffer zone is delineated by taking into account body, environmental, natural and landscape values.

Note: in regions where the qanat course passes through urban fabric and residential areas, 50 meters on either side of qanat axis (a total width of 100m) has been considered as the buffer zone.

1. Any activities endangering qanat life such as digging deep or semi-deep water wells, intervention in the watershed system also harming the natural, cultural-historical landscape and habitat of the region is strictly banned.
2. Construction of industrial and semi-industrial facilities as well as expansion and addition of attachments to existing structures depends on obtaining permit from ICHHTO
3. Body development of towns and villages located within the buffer zone must be based on regional programs, pilot projects as well as on detailed and master plans.
4. Gathering garbage, construction debris, wastewater, pollutants as well as industrial trash, agricultural residues and livestock droppings is forbidden.

Map 1-14. Qanat of Zārch Buffer Zone

Qanat of Zārch Core Zone



Zone	Area
Core Zone	2759 ha
Buffer Zone	121662 ha
Agricultural Demand Area	613 ha

Geographical coordinates of Core Zone

Point	X	Y
C1	260027.6400	352754.9682
C2	262147.7827	3526602.6051
C3	263286.8732	3525367.5861
C4	267519.4266	3521936.2996
C5	273056.4629	3517195.1988
C6	275474.9363	3514556.4853
C7	274384.7001	3513107.4496
C8	271743.8487	3512848.5009
C9	270343.0180	3514174.9655
C10	271272.3617	3517019.4009
C11	266545.9226	3521371.1025
C12	262361.3336	3524806.4236
C13	263033.2741	3523226.1207
C14	264183.4732	3521995.8956
C15	264196.7208	3521312.2540
C16	263488.4203	3521277.5612
C17	261870.5094	3523077.7207
C18	260745.3093	3524937.8226
C19	260318.9643	3525978.2607

Regulation

The Core Zone is an area specified for conservation of the physical structure of qanat including well shafts, gallery, soil mounds produced around well shafts as well as other elements dependent on qanat and its conservation boundaries

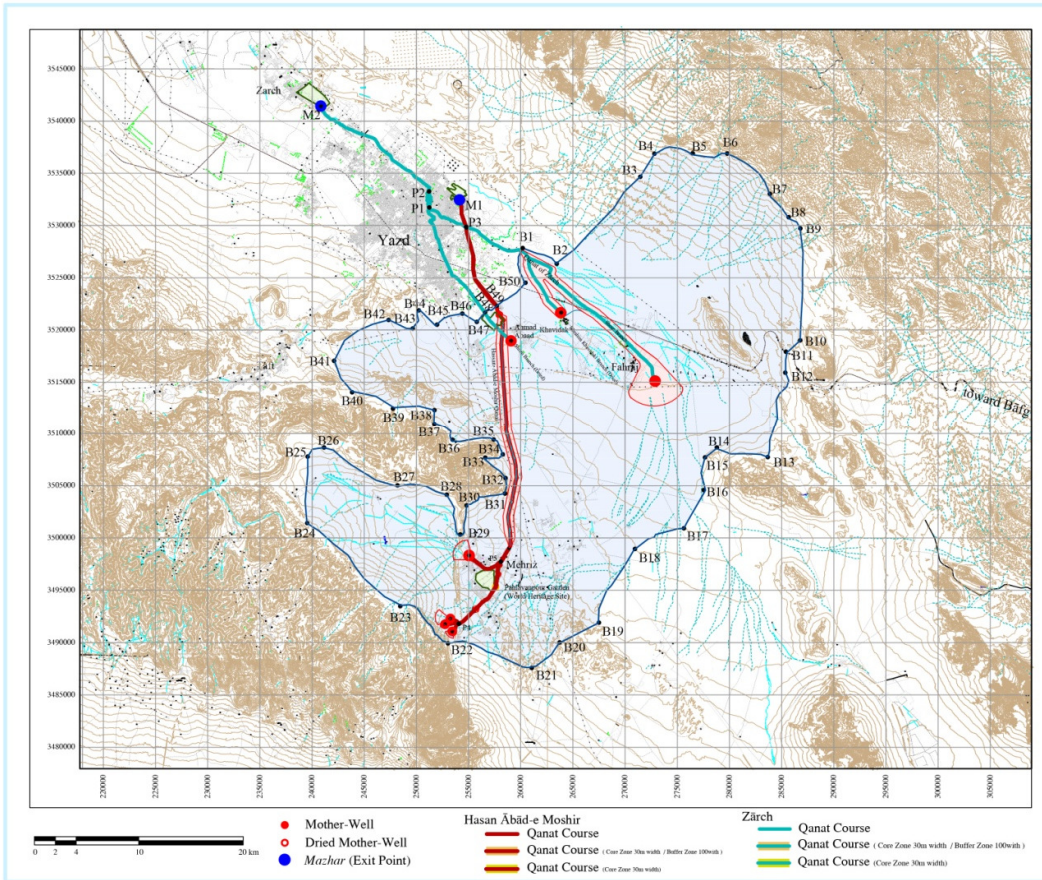
The following technical factors have been taken into account for determining the core zone: water-wells depth, soil fabric, gallery depth, local geology, distances between well-shafts and other things having an influence on the physical structure of qanat.

Clause: in regions where the qanat course passes through urban fabric and residential areas, 15 meters on either side of qanat axis (a total breadth of 30m) has been taken as the core zone

- Any developmental activities such as constructions, building of facilities, power transfer lines, installation of poles, constructing and extending any kind of roads, explorations, minings or any other activities resulting in the potential damage or destruction of the core zone and/or harming its authenticity and integrity as well as endangering its body, environmental, natural and landscape characteristics are prohibited.
- Digging wells and constructing relevant attachments such as: the pump house, water or wastewater canals, etc... is strictly forbidden.
- Any changes in land use and in the function of constructions are banned.
- Any changes in the exploitation style of farmlands including: their conversion to gardens or cultivation of species harming qanats is prohibited.
- Dividing and enlarging non-agricultural constructions and lands within the area is illegal pending the written permission of KCHHO
- Any activities such as growing crops, animal husbandry or livestock grazing which might result in hurting or damaging the ecological capacity of the core zone of the monument and/or harming its body, environmental, natural and landscape characteristics and values are prohibited.
Note: continuance of agricultural activities in lands within the core zone is allowed on condition that they do not harm the qanat
- Amassing garbage, construction rubble, wastewater, pollutants as well as industrial scraps, agricultural residues and livestock droppings is forbidden.

Map 1-15. Qanat of Zārch Core Zone

Hassan Ābād-e Moshir Qanat Buffer Zone



Zone	Area
Core Zone	2759 ha
Buffer Zone	121662 ha
Agricultural Demand Area	613 ha

Geographical coordinates of Buffer Zone

Point	X	Y	Point	X	Y
B01	260551.119	3527426.4615	B40	242306.0766	3504037.3291
B02	263444.6921	3526336.0763	B41	254066.5143	3503107.1488
B03	271454.9408	3534669.4615	B42	238484.1757	3504241.8653
B04	272799.2825	3536865.7190	B43	238538.5947	3505718.7163
B05	276073.8280	3536912.0970	B44	246582.1912	3507080.1399
B06	279777.8717	3534689.6318	B45	246262.9189	3508000.0600
B07	283861.8669	3533026.7716	B46	257391.8655	3509407.5000
B08	285469.8928	3530791.8905	B47	233450.4837	3509386.3688
B09	286783.1851	3529729.1288	B48	231707.6892	3510963.8613
B10	286786.0211	3530060.0653	B49	231710.0022	3512208.8953
B11	285408.1488	3531901.5805	B50	247751.7462	3512459.8353
B12	285348.2880	3531910.2160	B51	243830.2792	3514028.0463
B13	283466.5240	3507728.4890	B52	242309.6459	3517045.9723
B14	278786.2305	3508645.1119	B53	247323.0644	3520091.2925
B15	277648.0980	3507095.7746	B54	246929.2523	3520134.2475
B16	277528.7145	3504567.0249	B55	246010.3561	3521868.8348
B17	275428.4736	3504024.2188	B56	241978.8046	3520609.0317
B18	270913.8284	3490386.1297	B57	244803.2270	3521562.8369
B19	267487.8266	3491064.4521	B58	245779.1086	3520771.2403
B20	265721.2499	3490613.2072	B59	246078.3341	3524884.9993
B21	261495.4608	3487374.9012	B60	244463.2270	3521562.8369
B22	253013.2173	3489920.5229	B61	245779.1086	3520771.2493
B23	248448.8402	3484477.9013	PI	242113	3511708
B24	239525.2248	3501419.9999	PI	251176	3532311
B25	239570.0979	3507780.3307	PI	254764	3529841
B26	241143.8290	3508639.6800	MI	254128	3532449
B27	248379.1839	3509615.9484	MI	240820	3541467
B28	252940.4642	3504134.1558			

Regulation

Buffer Zone of Qanat is the area specified for protecting the qanat and its water-supplying system against possible natural, environmental, cultural and landscape damages.

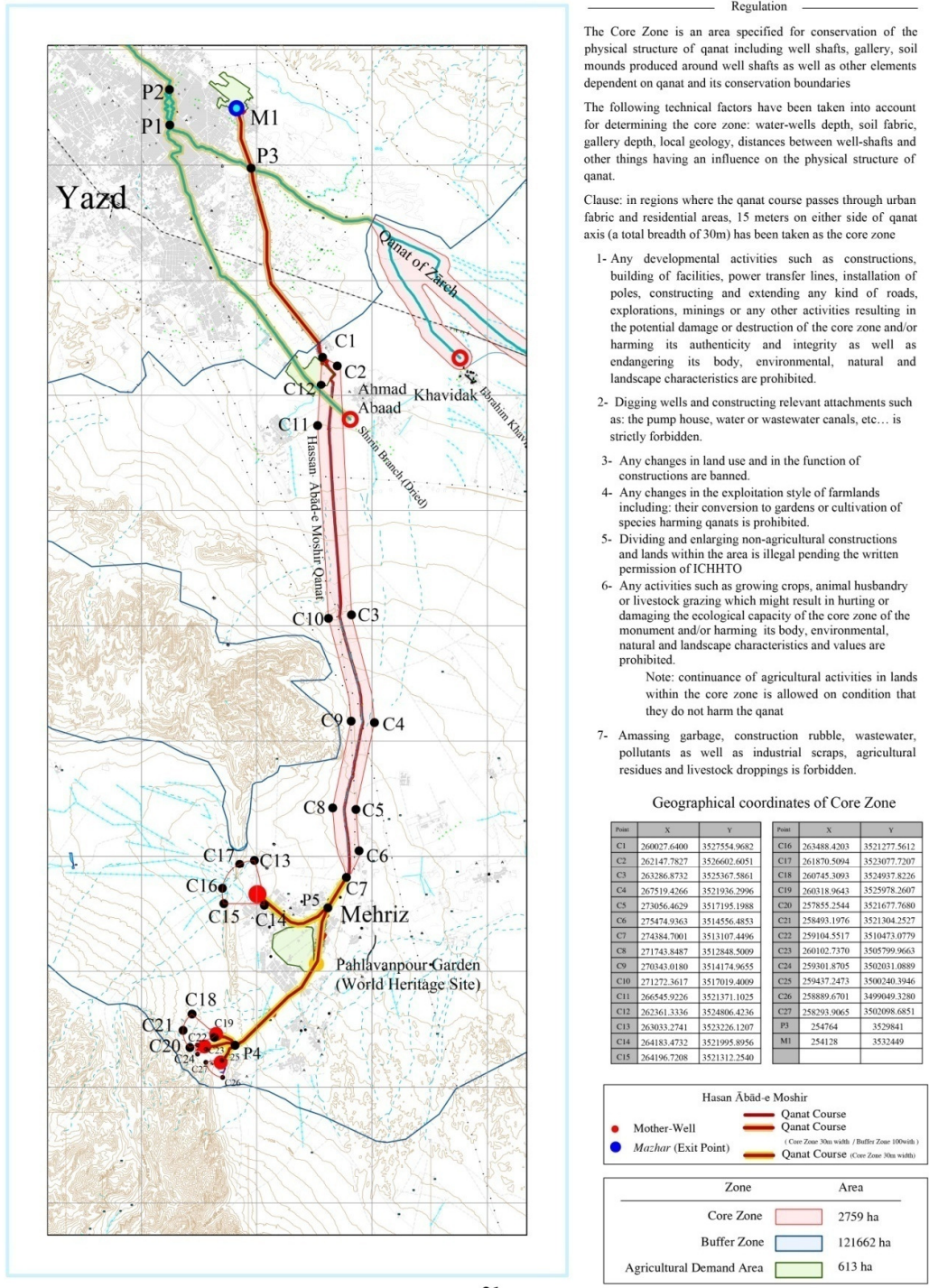
Its limits include the watershed (which affects feeding the water table), the hydraulic and quality boundaries of qanat as well as the waterways. Buffer zone is delineated by taking into account body, environmental, natural and landscape values.

Note: in regions where the qanat course passes through urban fabric and residential areas, 50 meters on either side of qanat axis (a total width of 100m) has been considered as the buffer zone.

1. Any activities endangering qanat life such as digging deep or semi-deep water wells, intervention in the watershed system also harming the natural, cultural-historical landscape and habitat of the region is strictly banned.
2. Construction of industrial and semi-industrial facilities as well as expansion and addition of attachments to existing structures depends on obtaining permit from ICHHTO
3. Body development of towns and villages located within the buffer zone must be based on regional programs, pilot projects as well as on detailed and master plans.
4. Gathering garbage, construction debris, wastewater, pollutants as well as industrial trash, agricultural residues and livestock droppings is forbidden.

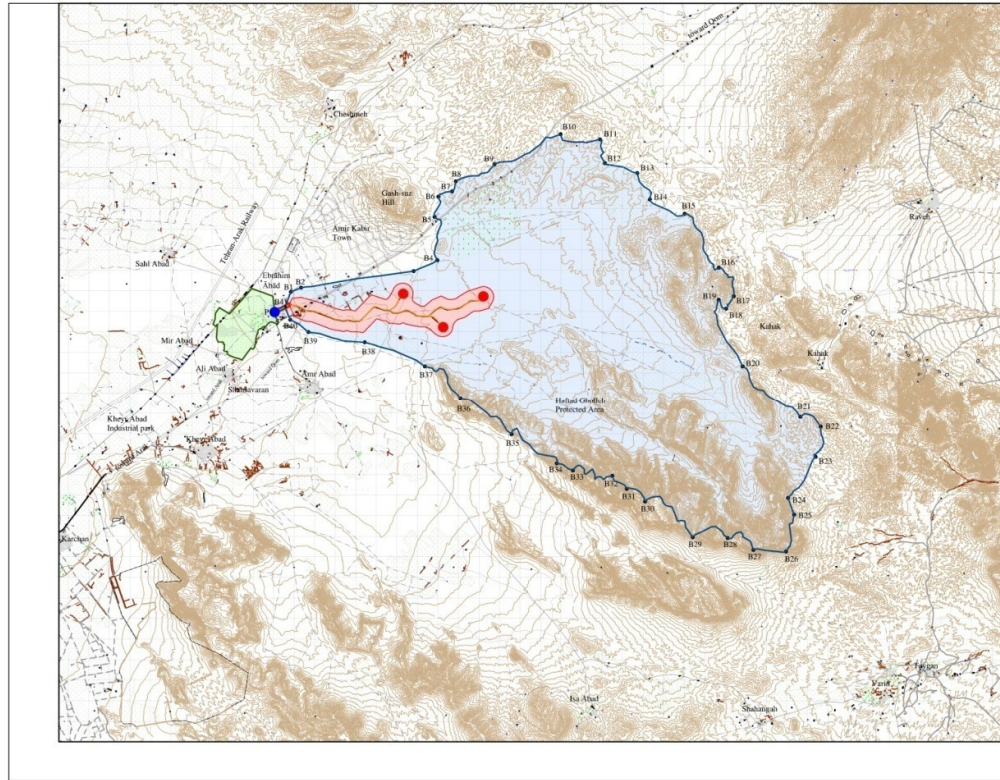
Map 1-17. Hassan Ābād-e Moshir Qanat Buffer Zone

Hassan Ābād-e Moshir Qanat Core Zone



Map 1-18. Hassan Ābād-e Moshir Qanat Core Zone

Ebrāhim Ābād Qanat Buffer Zone



- Qanat Course
- Qanat Course (core zone 30m width)
- Mazhar (Exit Point)
- Mother-Well

Zone	Area
Core Zone	1238 ha
Buffer Zone	23661 ha
Agricultural Demand Area	609 ha

Geographical coordinates of Buffer Zone

Point	X	Y	Point	X	Y
B1	412834.3859	3785939.0608	B22	438641.0174	3779328.9111
B2	413331.9374	3786147.9442	B23	438392.8793	377866.3842
B3	418817.2365	3786956.2613	B24	437058.0626	3775857.7344
B4	419965.7758	3787492.4241	B25	437348.8539	3775045.8652
B5	419832.6430	3789588.2833	B26	436950.3020	3773256.2440
B6	420012.9329	3790579.0098	B27	435368.6333	3773330.7864
B7	420690.3113	3790841.2441	B28	434109.1573	3773911.6431
B8	420870.3131	3791325.7277	B29	432409.6987	3773949.0956
B9	422756.3095	3792162.5496	B30	430087.3473	3775683.0352
B10	425973.4121	3793618.8494	B31	429199.6325	3776300.1045
B11	427887.2270	3793365.3590	B32	428493.4785	3776931.7958
B12	428221.2242	3792152.1852	B33	426569.7772	3777197.5581
B13	429712.3064	3791734.3848	B34	425794.3231	3777544.9087
B14	430321.1986	3790439.4140	B35	423594.6173	3778965.7960
B15	432013.8539	3789747.4778	B36	421095.9802	3780739.5298
B16	433680.9095	3787119.2615	B37	419364.0752	3782304.5593
B17	434408.2561	3785724.9784	B38	416431.7171	3783483.1853
B18	434039.2657	3785121.5698	B39	413685.9230	3783980.8530
B19	433678.1712	3785557.9738	B40	412805.2610	3784581.6640
B20	434841.3138	3782308.7981	B41	412570.0812	3785158.2529
B21	437651.7676	3779813.4705			

Regulation

Buffer Zone of Qanat is the area specified for protecting the qanat and its water-supplying system against possible natural, environmental, cultural and landscape damages.

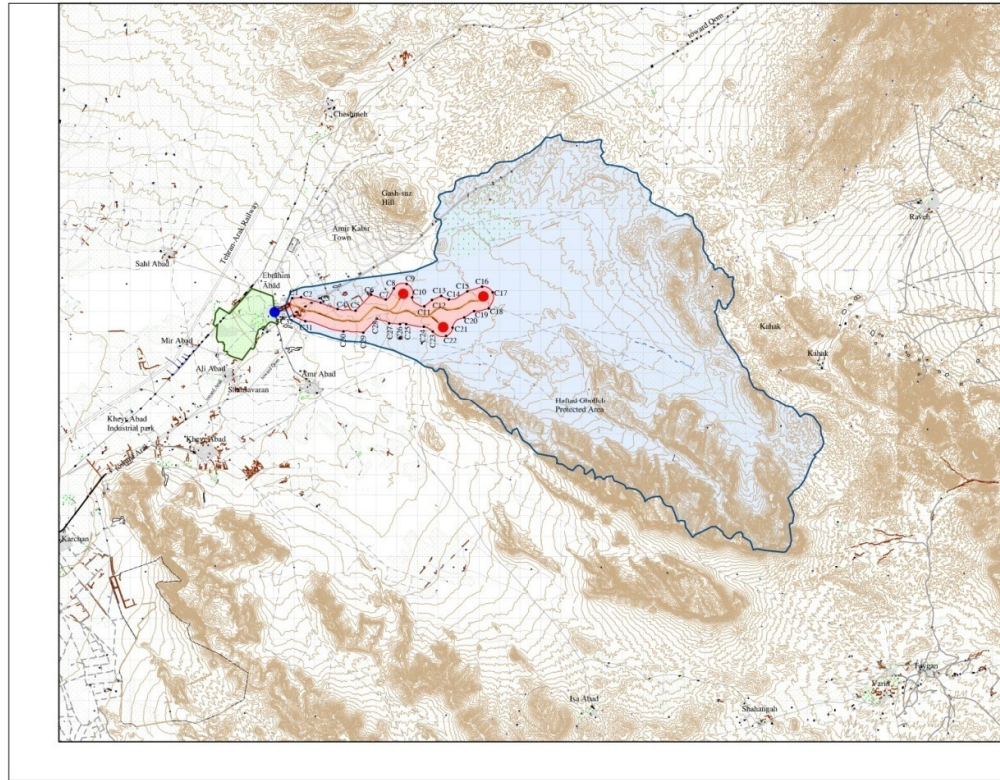
Its limits include the watershed (which affects feeding the water table), the hydraulic and quality boundaries of qanat as well as the waterways. Buffer zone is delineated by taking into account body, environmental, natural and landscape values.

Note: in regions where the qanat course passes through urban fabric and residential areas, 50 meters on either side of qanat axis (a total width of 100m) has been considered as the buffer zone.

1. Any activities endangering qanat life such as digging deep or semi-deep water wells, intervention in the watershed system also harming the natural, cultural-historical landscape and habitat of the region is strictly banned.
2. Construction of industrial and semi-industrial facilities as well as expansion and addition of attachments to existing structures depends on obtaining permit from ICHHTO
3. Body development of towns and villages located within the buffer zone must be based on regional programs, pilot projects as well as on detailed and master plans.
4. Gathering garbage, construction debris, wastewater, pollutants as well as industrial trash, agricultural residues and livestock droppings is forbidden.

Map 1-20. Ebrāhīm Ābād Qanat Buffer Zone

Ebrāhim Ābād Qanat
Core Zone



Zone	Area
Core Zone	1238 ha
Buffer Zone	23661 ha
Agricultural Demand Area	609 ha

Geographical coordinates of Core Zone

Point	X	Y	Point	X	Y
C1	412901.7533	3785631.4168	C18	422474.9441	3785131.6924
C2	413337.1955	3785679.3657	C19	421765.1535	3785001.3968
C3	414278.6817	3785413.5957	C20	421280.4345	3784692.7876
C4	415116.5823	3785105.6756	C21	420713.3365	784190.0989
C5	415987.1746	3785027.5088	C22	420393.8960	3783790.7407
C6	416744.9991	3785804.6815	C23	419744.2158	3784008.2934
C7	417461.0194	3785568.2870	C24	419312.6979	3784238.7083
C8	417848.8224	3786108.2848	C25	418451.0297	3784369.3833
C9	418472.7138	3786321.0917	C26	418155.0397	3784372.7245
C10	418748.0093	3785664.2294	C27	417623.6517	3784409.7010
C11	419337.8586	3785238.5567	C28	417024.0381	3784636.4752
C12	419712.1047	3785548.3183	C29	416362.9703	3783958.5296
C13	420161.4485	3785744.1977	C30	415391.0243	3784012.0805
C14	420529.5631	3785566.4220	C31	413541.9345	3784513.9661
C15	421433.6692	3785968.6136	C32	413008.6535	3784748.2607
C16	422150.4421	3786190.4006	C33	412743.0497	3785323.0745
C17	422661.7821	3785918.1492	C34		

Regulation

The Core Zone is an area specified for conservation of the physical structure of qanat including well shafts, gallery, soil mounds produced around well shafts as well as other elements dependent on qanat and its conservation boundaries

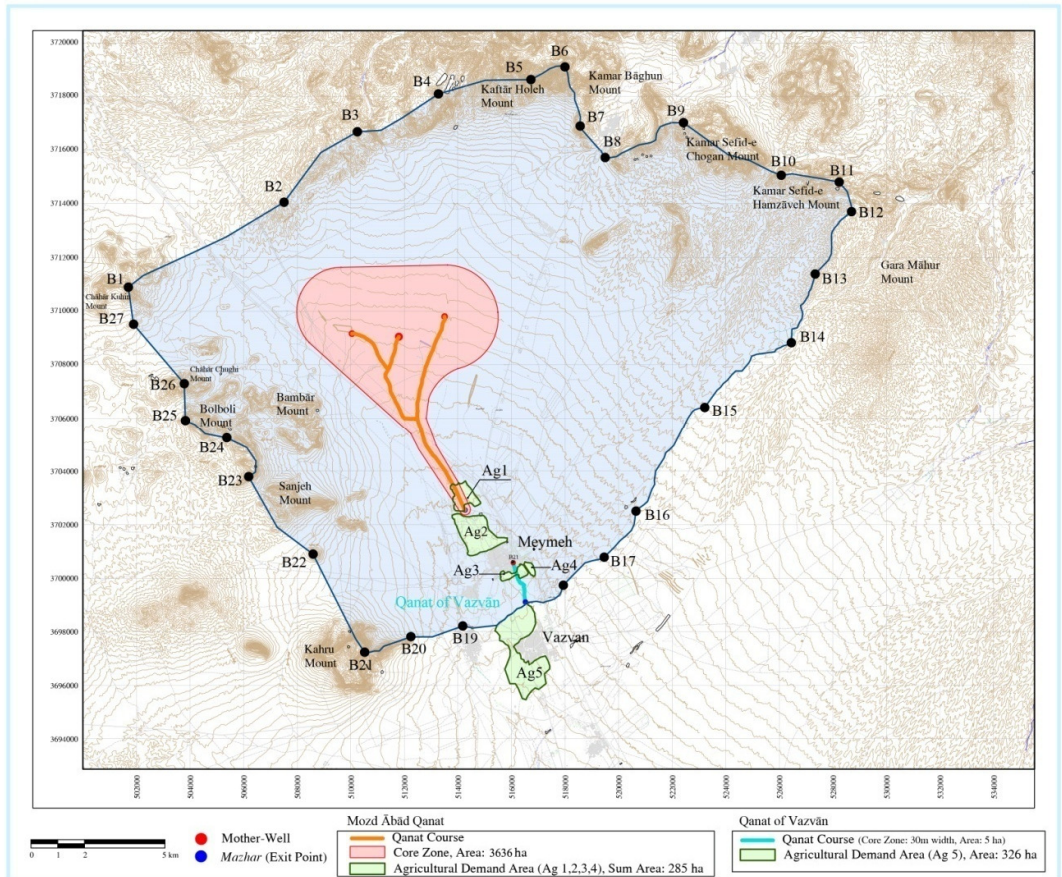
The following technical factors have been taken into account for determining the core zone: water-wells depth, soil fabric, gallery depth, local geology, distances between well-shafts and other things having an influence on the physical structure of qanat.

Clause: in regions where the qanat course passes through urban fabric and residential areas, 15 meters on either side of qanat axis (a total breadth of 30m) has been taken as the core zone

- Any developmental activities such as constructions, building of facilities, power transfer lines, installation of poles, constructing and extending any kind of roads, explorations, minings or any other activities resulting in the potential damage or destruction of the core zone and/or harming its authenticity and integrity as well as endangering its body, environmental, natural and landscape characteristics are prohibited.
- Digging wells and constructing relevant attachments such as: the pump house, water or wastewater canals, etc... is strictly forbidden.
- Any changes in land use and in the function of constructions are banned.
- Any changes in the exploitation style of farmlands including: their conversion to gardens or cultivation of species harming qanats is prohibited.
- Dividing and enlarging non-agricultural constructions and lands within the area is illegal pending the written permission of ICHHTO
- Any activities such as growing crops, animal husbandry or livestock grazing which might result in hurting or damaging the ecological capacity of the core zone of the monument and/or harming its body, environmental, natural and landscape characteristics and values are prohibited.
Note: continuance of agricultural activities in lands within the core zone is allowed on condition that they do not harm the qanat
- Amassing garbage, construction rubble, wastewater, pollutants as well as industrial scraps, agricultural residues and livestock droppings is forbidden.

Map 1-21. Ebrāhim Ābād Qanat Core Zone

Qanat of Vazvān and Mozd Ābād Qanat Buffer Zone



Zone	Area
Collective Buffer Zone	29631 ha

Geographical coordinates of Buffer Zone

Point	X	Y	Point	X	Y
B1	501690.7939	3710888.1756	B15	523213.2940	3706405.2937
B2	507505.6720	3714058.1645	B16	520645.5499	3702498.7469
B3	510240.2197	3716684.2658	B17	519457.4034	3700776.6214
B4	513272.8930	3718093.9420	B18	517931.4529	3699730.0684
B5	516720.9124	3718627.0683	B19	514180.0895	3698212.2395
B6	517994.5980	3719103.0521	B20	512240.5860	3697808.6030
B7	518560.4527	3716897.5802	B21	510517.4915	3697229.4440
B8	519498.0110	3715725.1315	B22	508591.1831	3700896.1529
B9	522418.1412	3717023.9344	B23	506183.2943	3703785.5137
B10	526067.7260	3715059.6151	B24	505367.8850	3705243.9540
B11	528231.9785	3714805.2438	B25	503823.7980	3705911.4053
B12	528693.1575	3713706.6166	B26	503780.5513	3707292.1670
B13	527336.8911	3711381.6182	B27	501889.0340	3709506.9040
B14	526443.1314	3708819.1054			

Regulation

Buffer Zone of Qanat is the area specified for protecting the qanat and its water-supplying system against possible natural, environmental, cultural and landscape damages.

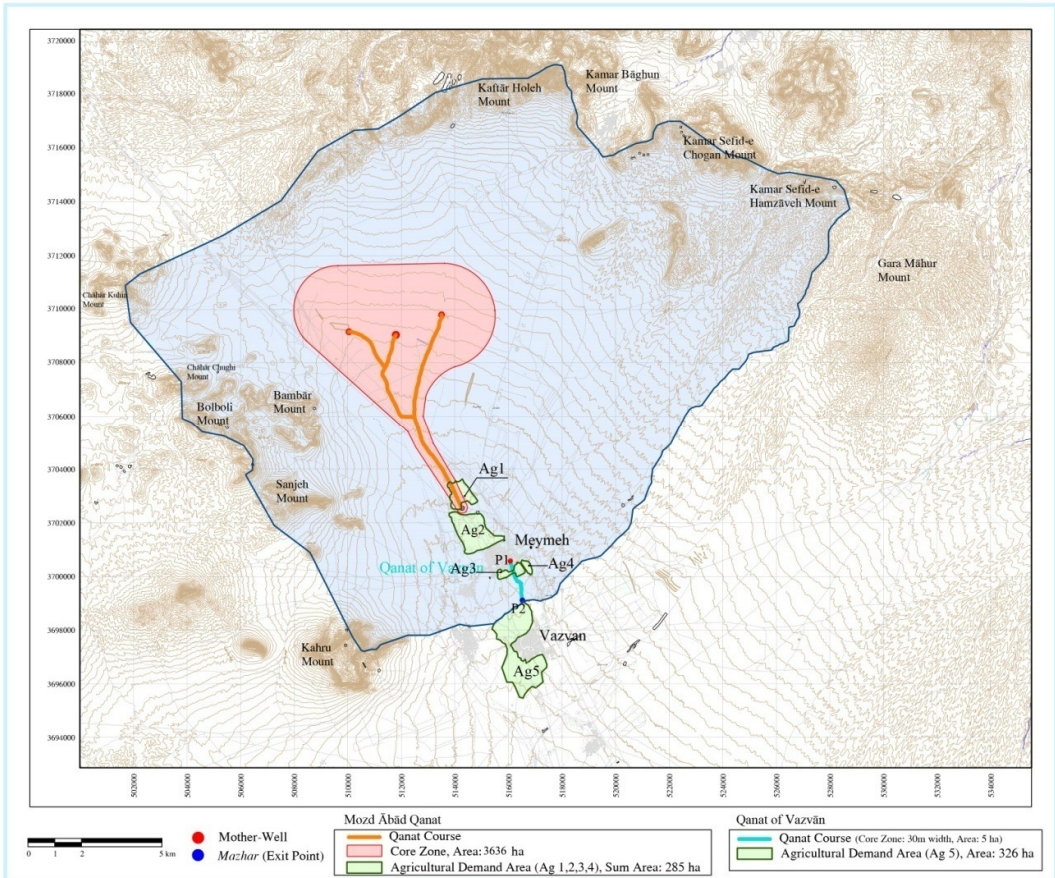
Its limits include the watershed (which affects feeding the water table), the hydraulic and quality boundaries of qanat as well as the waterways. Buffer zone is delineated by taking into account body, environmental, natural and landscape values.

Note: in regions where the qanat course passes through urban fabric and residential areas, 50 meters on either side of qanat axis (a total width of 100m) has been considered as the buffer zone.

1. Any activities endangering qanat life such as digging deep or semi-deep water wells, intervention in the watershed system also harming the natural, cultural-historical landscape and habitat of the region is strictly banned.
2. Construction of industrial and semi-industrial facilities as well as expansion and addition of attachments to existing structures depends on obtaining permit from ICHHTO
3. Body development of towns and villages located within the buffer zone must be based on regional programs, pilot projects as well as on detailed and master plans.
4. Gathering garbage, construction debris, wastewater, pollutants as well as industrial trash, agricultural residues and livestock droppings is forbidden.

Map 1-23. Qanat of Vazvān & Mozd Ābād Qanat Buffer Zone

Qanat of Vazvān Core Zone



Zone	Area
Collective Buffer Zone	29631 ha

Geographical coordinates of Core Zone

Point	X	Y
P1	516060	3700568
P2	516514	3699109

Regulation

The Core Zone is an area specified for conservation of the physical structure of qanat including well shafts, gallery, soil mounds produced around well shafts as well as other elements dependent on qanat and its conservation boundaries

The following technical factors have been taken into account for determining the core zone: water-wells depth, soil fabric, gallery depth, local geology, distances between well-shafts and other things having an influence on the physical structure of qanat.

Clause: in regions where the qanat course passes through urban fabric and residential areas, 15 meters on either side of qanat axis (a total breadth of 30m) has been taken as the core zone

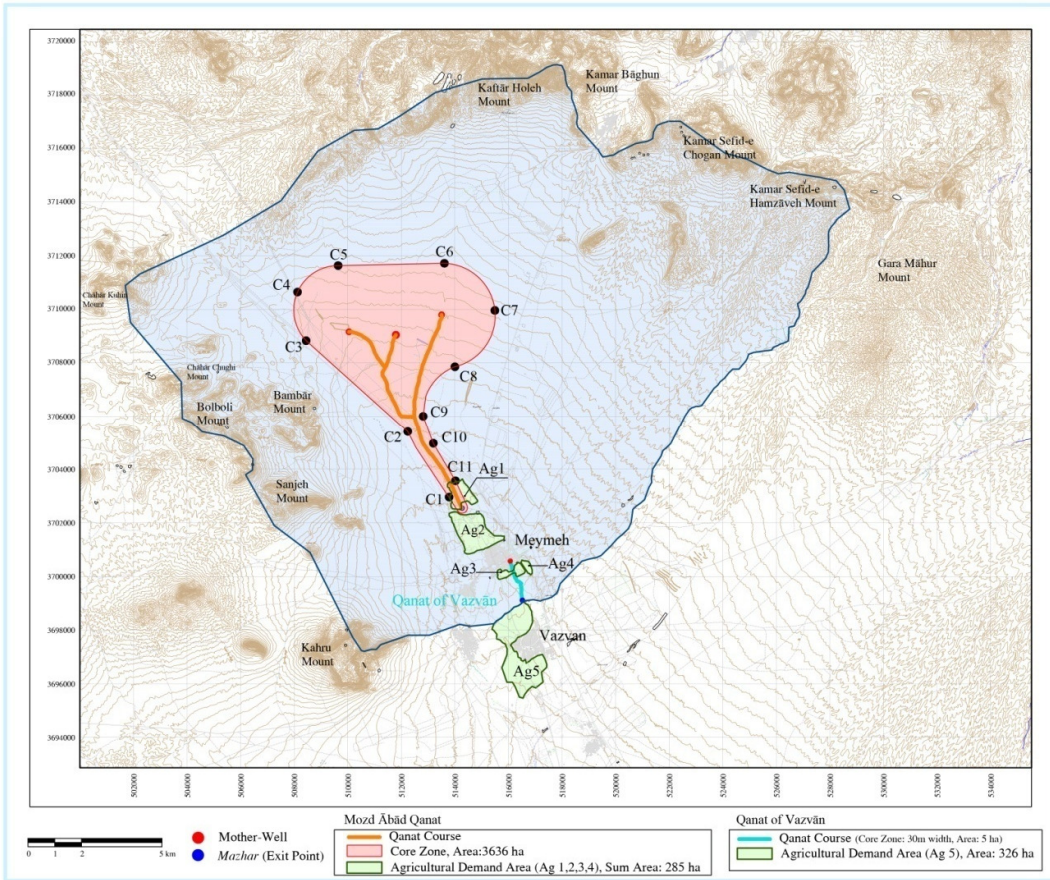
- Any developmental activities such as constructions, building of facilities, power transfer lines, installation of poles, constructing and extending any kind of roads, explorations, minings or any other activities resulting in the potential damage or destruction of the core zone and/or harming its authenticity and integrity as well as endangering its body, environmental, natural and landscape characteristics are prohibited.
- Digging wells and constructing relevant attachments such as: the pump house, water or wastewater canals, etc... is strictly forbidden.
- Any changes in land use and in the function of constructions are banned.
- Any changes in the exploitation style of farmlands including: their conversion to gardens or cultivation of species harming qanats is prohibited.
- Dividing and enlarging non-agricultural constructions and lands within the area is illegal pending the written permission of ICHHTO
- Any activities such as growing crops, animal husbandry or livestock grazing which might result in hurting or damaging the ecological capacity of the core zone of the monument and/or harming its body, environmental, natural and landscape characteristics and values are prohibited.

Note: continuance of agricultural activities in lands within the core zone is allowed on condition that they do not harm the qanat

- Amassing garbage, construction rubble, wastewater, pollutants as well as industrial scraps, agricultural residues and livestock droppings is forbidden.

Map 1-24. Qanat of Vazvān Core Zone

Mozd Ābād Qanat Core Zone



Zone	Area
Collective Buffer Zone	29631 ha

Geographical coordinates of Core Zone

Point	X	Y
C1	513782.9740	3702956.3230
C2	512239.7040	3705408.2980
C3	508444.9725	3708829.3989
C4	508123.7192	3710646.0017
C5	509639.4261	3711633.9838
C6	513606.6483	3711719.5301
C7	515492.1002	3709958.7115
C8	513999.9999	3707854.1813
C9	512813.5595	3705997.5960
C10	513193.4439	3704966.9147
C11	514020.4156	3703563.0881

Regulation

The Core Zone is an area specified for conservation of the physical structure of qanat including well shafts, gallery, soil mounds produced around well shafts as well as other elements dependent on qanat and its conservation boundaries

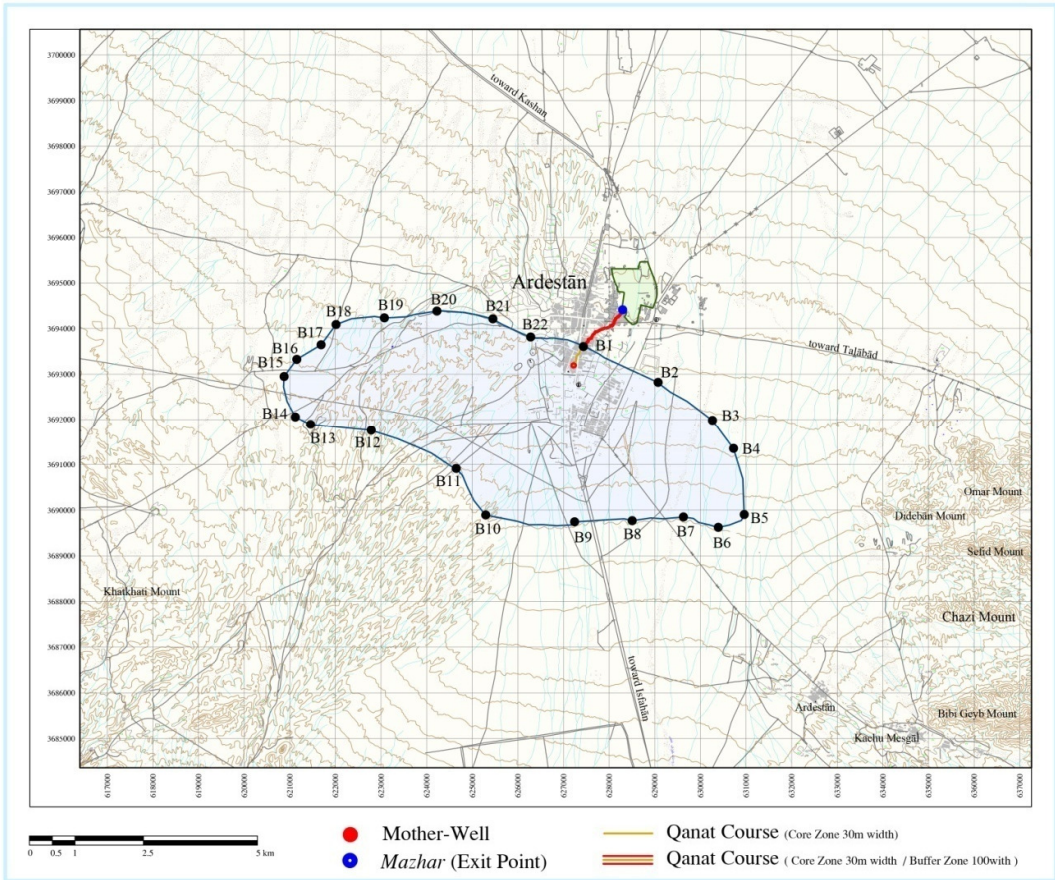
The following technical factors have been taken into account for determining the core zone: water-wells depth, soil fabric, gallery depth, local geology, distances between well-shafts and other things having an influence on the physical structure of qanat.

Clause: in regions where the qanat course passes through urban fabric and residential areas, 15 meters on either side of qanat axis (a total breadth of 30m) has been taken as the core zone

- Any developmental activities such as constructions, building of facilities, power transfer lines, installation of poles, constructing and extending any kind of roads, explorations, minings or any other activities resulting in the potential damage or destruction of the core zone and/or harming its authenticity and integrity as well as endangering its body, environmental, natural and landscape characteristics are prohibited.
- Digging wells and constructing relevant attachments such as: the pump house, water or wastewater canals, etc... is strictly forbidden.
- Any changes in land use and in the function of constructions are banned.
- Any changes in the exploitation style of farmlands including: their conversion to gardens or cultivation of species harming qanats is prohibited.
- Dividing and enlarging non-agricultural constructions and lands within the area is illegal pending the written permission of ICHHTO
- Any activities such as growing crops, animal husbandry or livestock grazing which might result in hurting or damaging the ecological capacity of the core zone of the monument and/or harming its body, environmental, natural and landscape characteristics and values are prohibited.
Note: continuance of agricultural activities in lands within the core zone is allowed on condition that they do not harm the qanat
- Amassing garbage, construction rubble, wastewater, pollutants as well as industrial scraps, agricultural residues and livestock droppings is forbidden.

Map 1-26. Mozd Ābād Qanat Core Zone

Qanat of the Moon
Buffer Zone



Zone	Area
Core Zone	5 ha
Buffer Zone	3047 ha
Agricultural Demand Area	811 ha

Geographical coordinates of Buffer Zone

Point	X	Y	Point	X	Y
B1	627494.1270	3693594.4841	B12	622782.2805	3691755.1013
B2	629069.7671	3692815.1988	B13	621455.3093	3691883.9235
B3	630263.0120	3691977.3229	B14	621117.8820	3692051.0780
B4	630725.2136	3691353.5009	B15	620874.8571	3692943.2640
B5	630959.7009	3689901.0600	B16	621151.7084	3693320.9258
B6	630388.9584	3689621.4342	B17	621684.6081	3693641.2319
B7	629623.5266	3689847.4793	B18	622012.5800	3694084.8272
B8	628503.5724	3689766.1466	B19	623072.8371	3694232.9007
B9	627242.2377	3689740.3499	B20	624221.7037	3694381.9741
B10	625291.1588	3689892.4741	B21	625449.2257	3694211.0381
B11	624646.6780	3690910.8209	B22	626278.7545	3693812.1510

Regulation

Buffer Zone of Qanat is the area specified for protecting the qanat and its water-supplying system against possible natural, environmental, cultural and landscape damages.

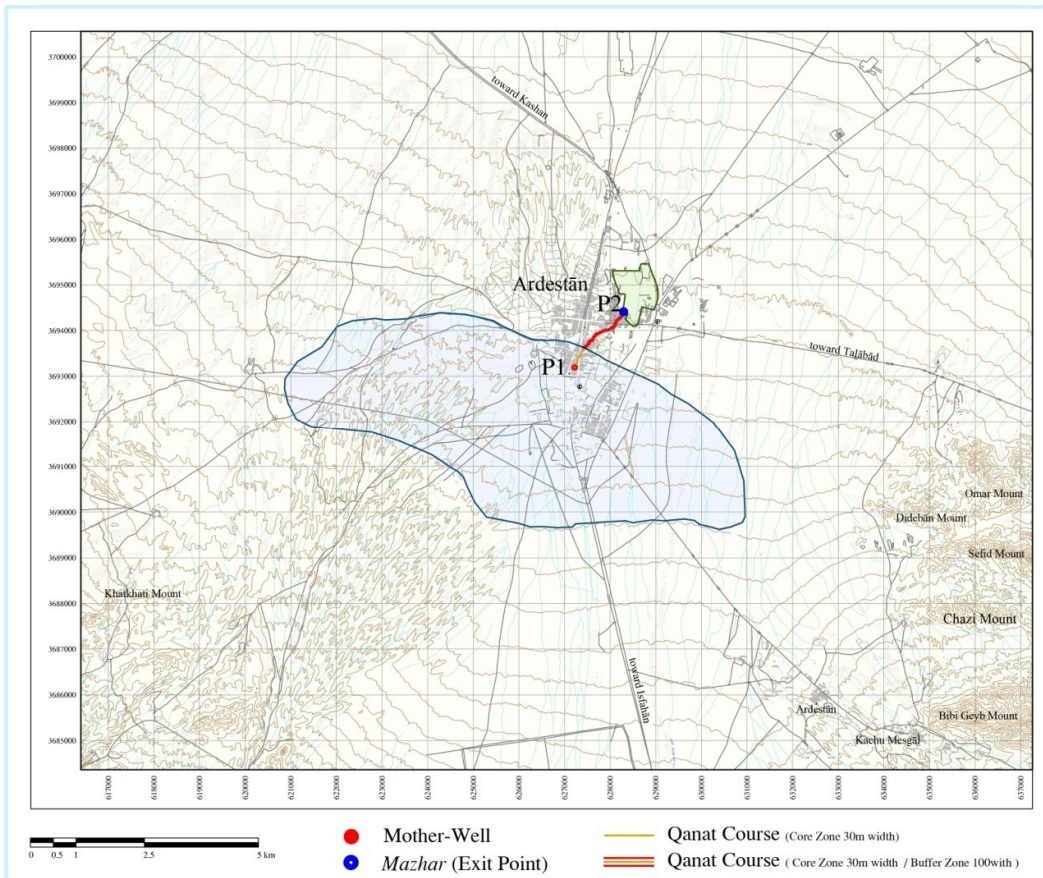
Its limits include the watershed (which affects feeding the water table), the hydraulic and quality boundaries of qanat as well as the waterways. Buffer zone is delineated by taking into account body, environmental, natural and landscape values.

Note: in regions where the qanat course passes through urban fabric and residential areas, 50 meters on either side of qanat axis (a total width of 100m) has been considered as the buffer zone.

1. Any activities endangering qanat life such as digging deep or semi-deep water wells, intervention in the watershed system also harming the natural, cultural-historical landscape and habitat of the region is strictly banned.
2. Construction of industrial and semi-industrial facilities as well as expansion and addition of attachments to existing structures depends on obtaining permit from ICHHTO
3. Body development of towns and villages located within the buffer zone must be based on regional programs, pilot projects as well as on detailed and master plans.
4. Gathering garbage, construction debris, wastewater, pollutants as well as industrial trash, agricultural residues and livestock droppings is forbidden.

Map 1-28. Qanat of the Moon Buffer Zone

Qanat of the Moon
Core Zone



Zone	Area
Core Zone	5 ha
Buffer Zone	3047 ha
Agricultural Demand Area	811 ha

Geographical coordinates of Core Zone

Point	X	Y
P1	627223	3693186
P2	628289	3694412

Regulation

The Core Zone is an area specified for conservation of the physical structure of qanat including well shafts, gallery, soil mounds produced around well shafts as well as other elements dependent on qanat and its conservation boundaries

The following technical factors have been taken into account for determining the core zone: water-wells depth, soil fabric, gallery depth, local geology, distances between well-shafts and other things having an influence on the physical structure of qanat.

Clause: in regions where the qanat course passes through urban fabric and residential areas, 15 meters on either side of qanat axis (a total breadth of 30m) has been taken as the core zone

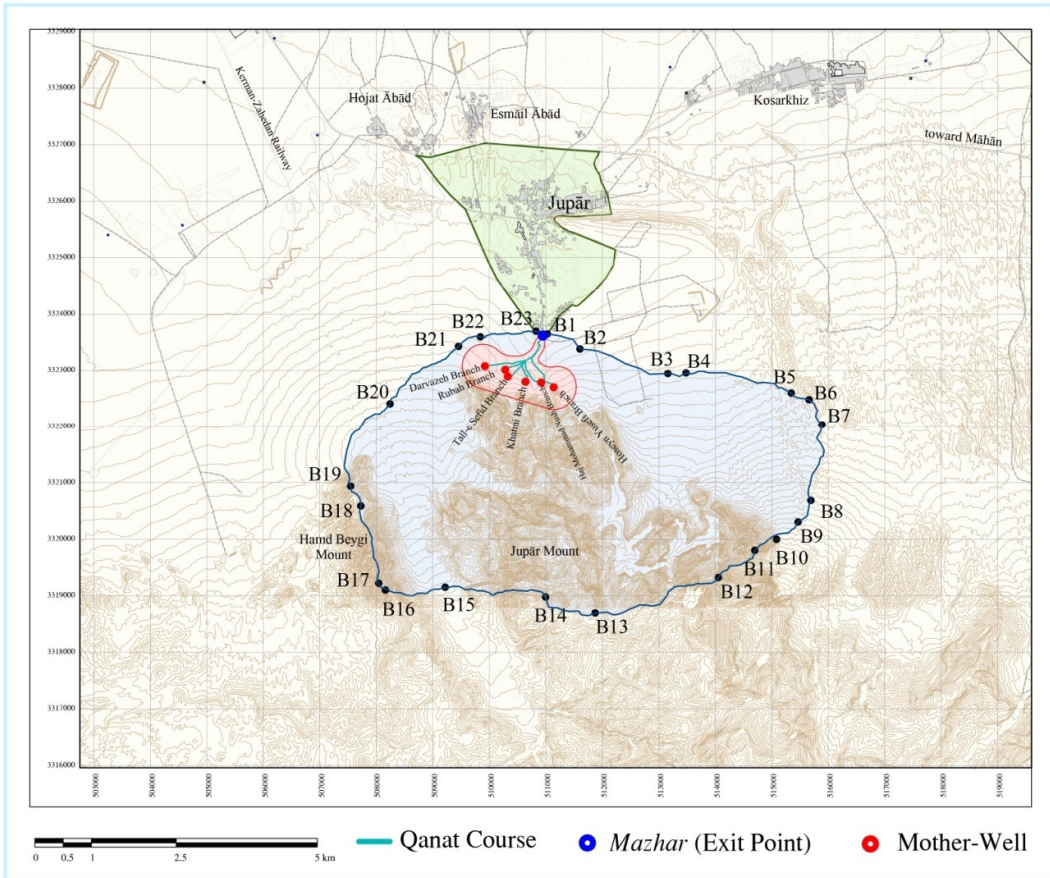
- Any developmental activities such as constructions, building of facilities, power transfer lines, installation of poles, constructing and extending any kind of roads, explorations, minings or any other activities resulting in the potential damage or destruction of the core zone and/or harming its authenticity and integrity as well as endangering its body, environmental, natural and landscape characteristics are prohibited.
- Digging wells and constructing relevant attachments such as: the pump house, water or wastewater canals, etc... is strictly forbidden.
- Any changes in land use and in the function of constructions are banned.
- Any changes in the exploitation style of farmlands including: their conversion to gardens or cultivation of species harming qanats is prohibited.
- Dividing and enlarging non-agricultural constructions and lands within the area is illegal pending the written permission of ICHHTO
- Any activities such as growing crops, animal husbandry or livestock grazing which might result in hurting or damaging the ecological capacity of the core zone of the monument and/or harming its body, environmental, natural and landscape characteristics and values are prohibited.

Note: continuance of agricultural activities in lands within the core zone is allowed on condition that they do not harm the qanat

- Amassing garbage, construction rubble, wastewater, pollutants as well as industrial scraps, agricultural residues and livestock droppings is forbidden.

Map 1-29. Qanat of the Moon Core Zone

Qanat of Gowhar-riz
Buffer Zone



Zone	Area
Core Zone	151 ha
Buffer Zone	2980 ha
Agricultural Demand Area	657 ha

Geographical coordinates of Buffer Zone

Point	X	Y	Point	X	Y
B1	511026.6437	3323648.5155	B13	511871.9177	3318696.5731
B2	511603.9095	3323380.5774	B14	510993.0290	3318976.8520
B3	513158.6147	3322948.5248	B15	509218.8502	3319152.0089
B4	513479.1385	3322959.1134	B16	508158.7740	3319100.4040
B5	513345.7442	3322601.8407	B17	508041.1300	3319222.1210
B6	515658.6099	3322482.9781	B18	507724.5310	3320588.2870
B7	515888.1697	3322032.4720	B19	507543.8080	3320937.5270
B8	515689.5885	3320686.1060	B20	508242.3119	3322408.3440
B9	515463.8605	3320304.5730	B21	509452.3719	3323425.9469
B10	515080.9555	3319996.9650	B22	509840.2754	3323597.3622
B11	514698.0369	3319800.5629	B23	510826.1200	3323697.4140
B12	514050.9098	3319322.0072	B24		

Regulation

Buffer Zone of Qanat is the area specified for protecting the qanat and its water-supplying system against possible natural, environmental, cultural and landscape damages.

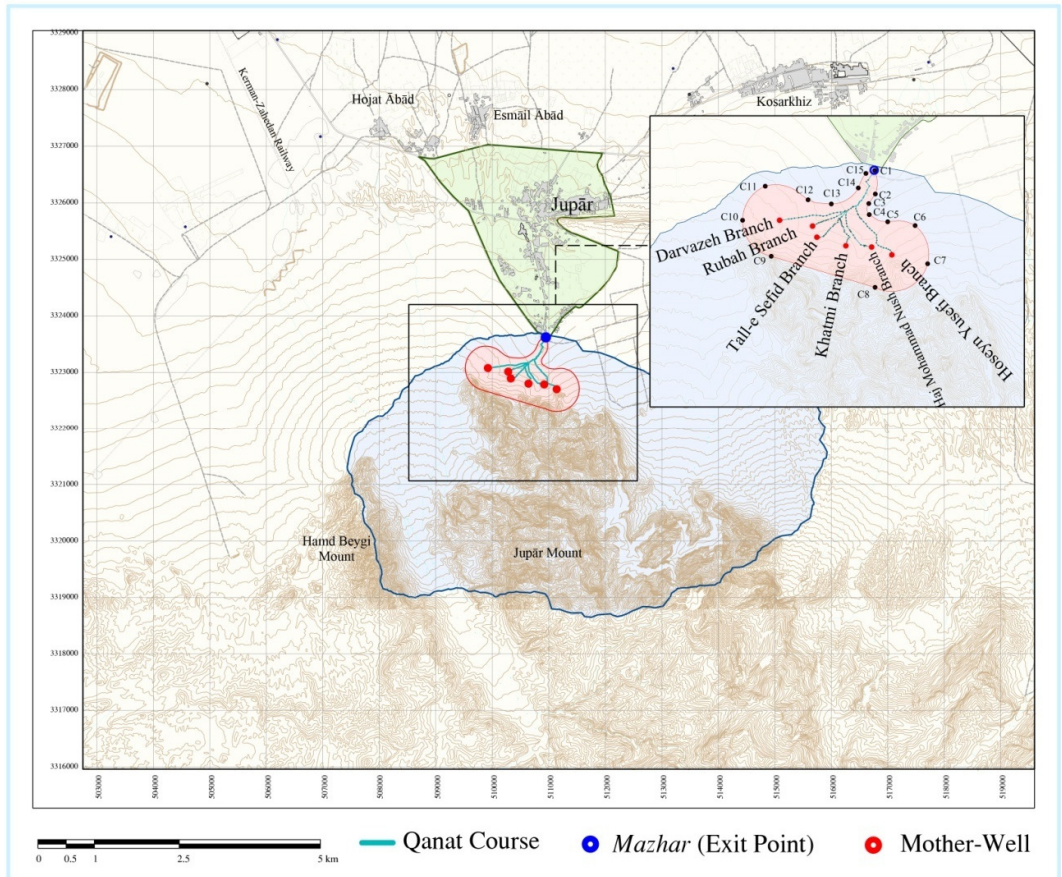
Its limits include the watershed (which affects feeding the water table), the hydraulic and quality boundaries of qanat as well as the waterways. Buffer zone is delineated by taking into account body, environmental, natural and landscape values.

Note: in regions where the qanat course passes through urban fabric and residential areas, 50 meters on either side of qanat axis (a total width of 100m) has been considered as the buffer zone.

1. Any activities endangering qanat life such as digging deep or semi-deep water wells, intervention in the watershed system also harming the natural, cultural-historical landscape and habitat of the region is strictly banned.
2. Construction of industrial and semi-industrial facilities as well as expansion and addition of attachments to existing structures depends on obtaining permit from ICHHTO
3. Body development of towns and villages located within the buffer zone must be based on regional programs, pilot projects as well as on detailed and master plans.
4. Gathering garbage, construction debris, wastewater, pollutants as well as industrial trash, agricultural residues and livestock droppings is forbidden.

Map 1-31. Qanat of Gowhar-riz Buffer Zone

Qanat of Gowhar-riz
Core Zone



Zone	Area
Core Zone	151 ha
Buffer Zone	2980 ha
Agricultural Demand Area	657 ha

Geographical coordinates of Core Zone

Point	X	Y
C1	510950.4902	3323616.3552
C2	510958.0961	3323361.1345
C3	510887.3391	3323257.9964
C4	510891.8520	3323138.8988
C5	511091.6336	3323061.3735
C6	511388.3325	3323020.2187
C7	511523.7859	3322607.4289
C8	510954.7824	3322352.9777
C9	509831.3419	3322687.8938
C10	509521.8362	3323077.5229
C11	509766.4987	3323446.1287
C12	510230.2271	3323299.6630
C13	510481.5523	3323253.9660
C14	510773.7746	3323426.7137
C15	510855.7961	3323583.9200

Regulation

The Core Zone is an area specified for conservation of the physical structure of qanat including well shafts, gallery, soil mounds produced around well shafts as well as other elements dependent on qanat and its conservation boundaries

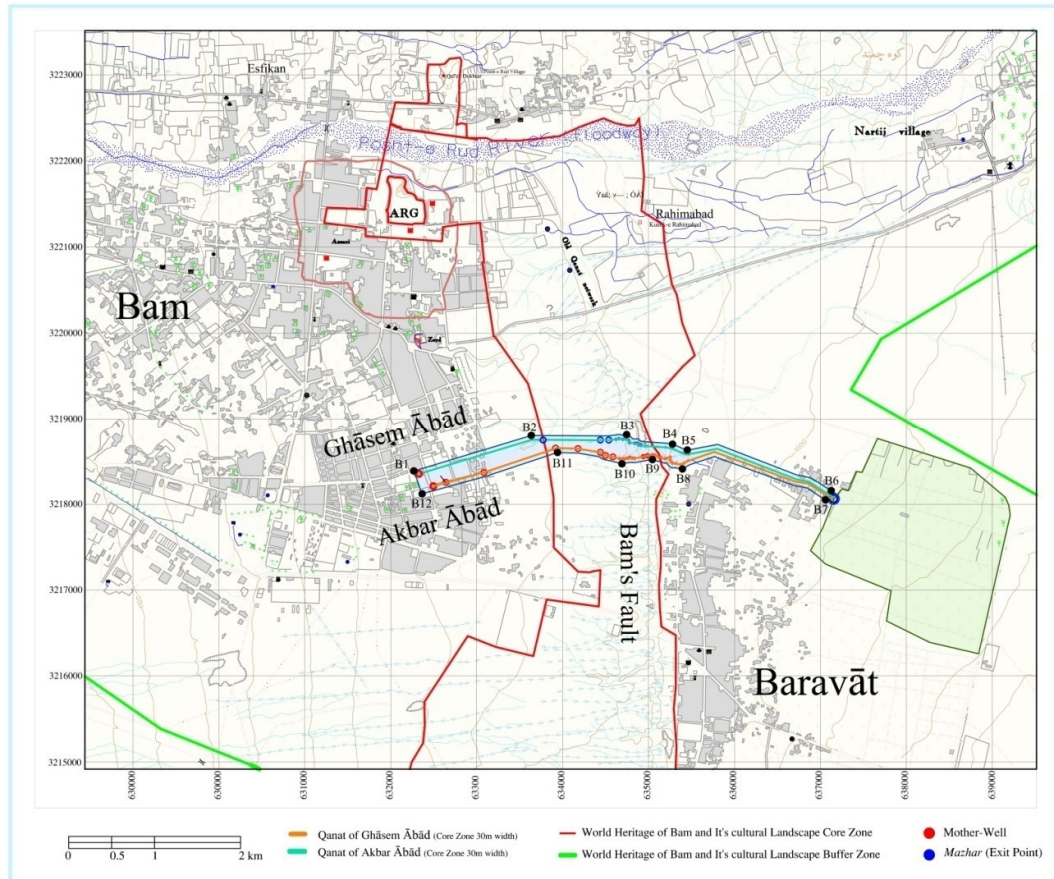
The following technical factors have been taken into account for determining the core zone: water-wells depth, soil fabric, gallery depth, local geology, distances between well-shafts and other things having an influence on the physical structure of qanat.

Clause: in regions where the qanat course passes through urban fabric and residential areas, 15 meters on either side of qanat axis (a total breadth of 30m) has been taken as the core zone

- Any developmental activities such as constructions, building of facilities, power transfer lines, installation of poles, constructing and extending any kind of roads, explorations, minings or any other activities resulting in the potential damage or destruction of the core zone and/or harming its authenticity and integrity as well as endangering its body, environmental, natural and landscape characteristics are prohibited.
- Digging wells and constructing relevant attachments such as: the pump house, water or wastewater canals, etc... is strictly forbidden.
- Any changes in land use and in the function of constructions are banned.
- Any changes in the exploitation style of farmlands including: their conversion to gardens or cultivation of species harming qanats is prohibited.
- Dividing and enlarging non-agricultural constructions and lands within the area is illegal pending the written permission of ICHHTO
- Any activities such as growing crops, animal husbandry or livestock grazing which might result in hurting or damaging the ecological capacity of the core zone of the monument and/or harming its body, environmental, natural and landscape characteristics and values are prohibited.
Note: continuance of agricultural activities in lands within the core zone is allowed on condition that they do not harm the qanat
- Amassing garbage, construction rubble, wastewater, pollutants as well as industrial scraps, agricultural residues and livestock droppings is forbidden.

Map 1-32. Qanat of Gowhar-riz Core Zone

Qanat of Bam (Ghāsem Ābād & Akbar Ābād)
Buffer Zone



Zone	Area
Ghāsem Ābād Core Zone	15 ha
Ghāsem Ābād Core Zone	15 ha
Collective Buffer Zone	80 ha
Agricultural Demand Area	358 ha

Geographical coordinates of Buffer Zone

Point	X	Y
B1	633268.2869	3218386.8272
B2	634634.3913	3218800.2016
B3	635742.7631	3218809.0202
B4	636278.4799	3218698.1498
B5	636450.1018	3218630.3910
B6	638124.0279	3218156.2951
B7	638056.8693	3218049.7100
B8	636392.4153	3218408.6938
B9	636043.4676	3218518.5424
B10	634940.4766	3218600.9204
B11	634940.4766	3218600.9204
B12	633363.6564	3218120.3204

Regulation

Buffer Zone of Qanat is the area specified for protecting the qanat and its water-supplying system against possible natural, environmental, cultural and landscape damages.

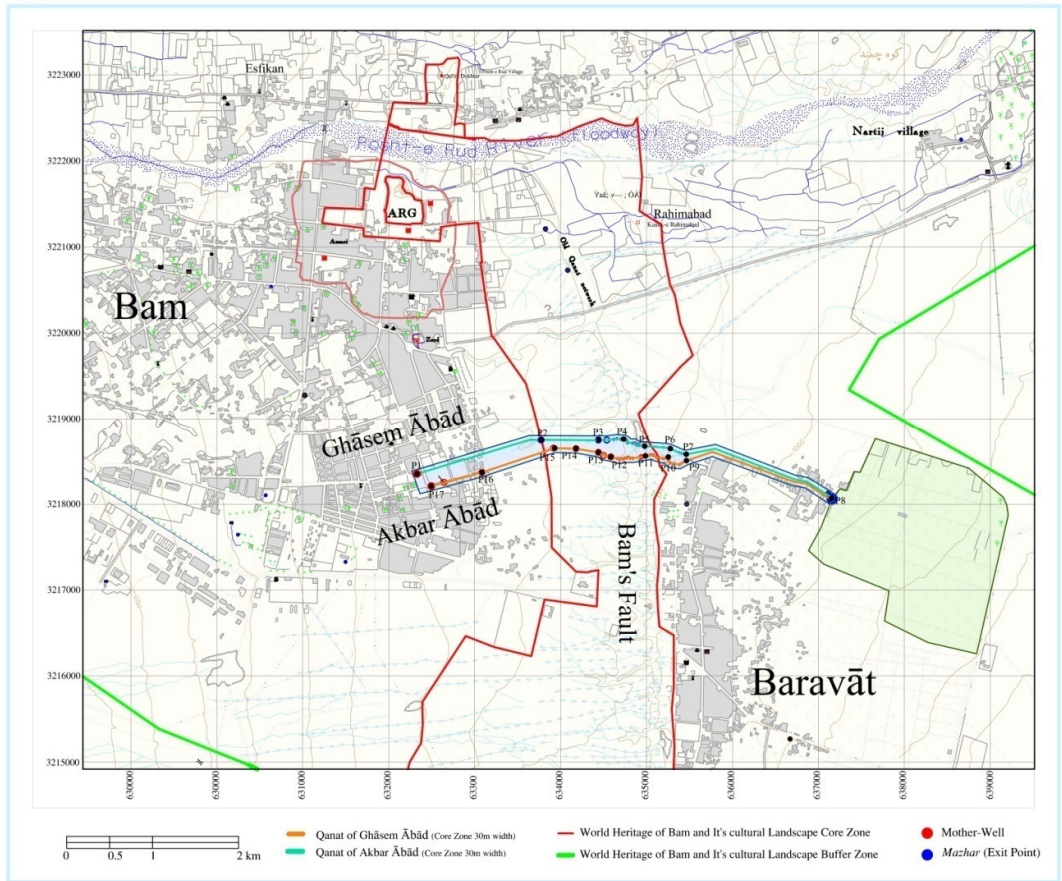
Its limits include the watershed (which affects feeding the water table), the hydraulic and quality boundaries of qanat as well as the waterways. Buffer zone is delineated by taking into account body, environmental, natural and landscape values.

Note: in regions where the qanat course passes through urban fabric and residential areas, 50 meters on either side of qanat axis (a total width of 100m) has been considered as the buffer zone.

1. Any activities endangering qanat life such as digging deep or semi-deep water wells, intervention in the watershed system also harming the natural, cultural-historical landscape and habitat of the region is strictly banned.
2. Construction of industrial and semi-industrial facilities as well as expansion and addition of attachments to existing structures depends on obtaining permit from ICHHO
3. Body development of towns and villages located within the buffer zone must be based on regional programs, pilot projects as well as on detailed and master plans.
4. Gathering garbage, construction debris, wastewater, pollutants as well as industrial trash, agricultural residues and livestock droppings is forbidden.

Map 1-34. Qanats of Bm (Ghāsem Ābād & Akbar Ābād) Buffer Zone

Qanat of Bam (Ghāsem Ābād & Akbar Ābād)
Core Zone



Zone	Area
Ghāsem Ābād Core Zone	15 ha
Ghāsem Ābād Core Zone	15 ha
Collective Buffer Zone	80 ha
Agricultural Demand Area	358 ha

Geographical coordinates of Core Zone

Point	X	Y
P1	633329.0000	3218352.0000
P2	634776.6006	3218749.3839
P3	635442.8114	3218746.0000
P4	635733.0000	3218758.0000
P5	635978.0000	3218676.0000
P6	636276.0000	3218647.0000
P7	636461.0000	3218580.0000
P8	638150.5566	3218065.7285
P9	636462.2385	3218507.0769
P10	636251.0000	3218549.0000
P11	635985.4720	3218562.6140
P12	635583.0000	3218550.0000
P13	635438.0000	3218603.0000
P14	635177.0000	3218646.0000
P15	634930.7621	3218652.6295
P16	634083.0000	3218370.0000
P17	633494.0000	3218209.0000

Regulation

The Core Zone is an area specified for conservation of the physical structure of qanat including well shafts, gallery, soil mounds produced around well shafts as well as other elements dependent on qanat and its conservation boundaries

The following technical factors have been taken into account for determining the core zone: water-wells depth, soil fabric, gallery depth, local geology, distances between well-shafts and other things having an influence on the physical structure of qanat.

Clause: in regions where the qanat course passes through urban fabric and residential areas, 15 meters on either side of qanat axis (a total breadth of 30m) has been taken as the core zone

- Any developmental activities such as constructions, building of facilities, power transfer lines, installation of poles, constructing and extending any kind of roads, explorations, minings or any other activities resulting in the potential damage or destruction of the core zone and/or harming its authenticity and integrity as well as endangering its body, environmental, natural and landscape characteristics are prohibited.
- Digging wells and constructing relevant attachments such as: the pump house, water or wastewater canals, etc. is strictly forbidden.
- Any changes in land use and in the function of constructions are banned.
- Any changes in the exploitation style of farmlands including: their conversion to gardens or cultivation of species harming qanats is prohibited.
- Dividing and enlarging non-agricultural constructions and lands within the area is illegal pending the written permission of ICHITO
- Any activities such as growing crops, animal husbandry or livestock grazing which might result in hurting or damaging the ecological capacity of the core zone of the monument and/or harming its body, environmental, natural and landscape characteristics and values are prohibited.
Note: continuance of agricultural activities in lands within the core zone is allowed on condition that they do not harm the qanat
- Amassing garbage, construction rubble, wastewater, pollutants as well as industrial scraps, agricultural residues and livestock droppings is forbidden.

Map 1-35. Qanats of Bm (Ghāsem Ābād & Akbar Ābād) Core Zone