



المجموع	المقيمين غير اللبنانيين	المقيمين السوريين	السكان الموسميون	السكان المقيمين	القضاء
100,912	910	8,614	49,020	42,368	بنت جبيل
7,708	0	371	2,310	5,027	حاصبيا
7,825	10	590	4,783	2,442	جزين
125,312	863	9,022	56,103	59,324	مرجعيون
94,328	50	8,858	17,120	68,300	النبطية
5,991	0	1,402	914	3,675	راشيا
41,581	3,190	5,078	7,713	25,600	صيدا
97,613	5,600	8,305	20,329	63,379	صور
56,534	280	10,071	13,650	32,533	بقاع عربي
537,804	10,903	52,311	171,942	302,648	المجموع

مدة الإقامة	نوع السكان
355	السكان المقيمين
70	السكان الموسميون
320	المقيمين السوريين
355	المقيمين غير اللبنانيين

كمية الصرف الصحي السنوية (مليون متر مكعب)	القضاء
2.7	بنت جبيل
0.3	حاصبيا
0.2	جزين
3.6	مرجعيون
3.6	نبطية
0.2	راشيا
1.5	صيدا
3.5	صور
1.9	بقاع عربي
17.4	المجموع



المقيمين غير اللبنانيين	المقيمين السوريين	السكان الموسميون	السكان المقيمين	
0	1,855	6,275	18,700	القرى المتصلة بمحطات تكرير لا تعمل
5,380	7,808	14,212	38,650	القرى المتصلة بمحطات تكرير تعمل
5,523	42,648	151,455	245,298	القرى الغير متصلة بمحطات تكرير

محطات التكرير	latitude	longitude	السعة القصوى (متر مكعب يوميا)
العيشية	33.407775	35.550646	225
عيتيت	33.545831	35.690327	-
القطراني	33.43068	35.599356	-
دير ميماس	33.303869	35.541517	1955
كفر صير	33.311111	35.394889	2851
كوكبا	33.389266	35.647716	276
مرجعيون	33.349572	35.593014	8176
الريحان	33.440566	35.547424	997
صور	33.298309	35.227656	84154
تبنين	33.200654	35.404948	4817
وادي الكفور	33.4105	35.434806	-
يحمير	33.317915	35.507566	701
زوطر	33.31619	35.482816	356
حاصبيا	-	-	-
المجموع			104508

الصرف الصحي السنوي (مليون متر مكعب)	
1.0	القرى المتصلة بمحطات تكرير لا تعمل



2.3	القرى المتصلة بمحطات تكرير تعمل
14.2	القرى الغير متصلة بمحطات تكرير

القضاء	الصرف الصناعي الصلب (طن يوميا)
بنت جبيل	51.4
حاصبيا	1.5
جزين	3.0
مرجعيون	71.1
النبطية	39.0
راشيا	6.0
صيدا	25.5
صور	68.4
البقاع الغربي	28.5
المجموع	294.3

ثالثاً: النفايات المنزلية الصلبة في الحوض الادنى:

القضاء	عدد المطامر	نفايات (طن يوميا)
بنت جبيل	12	41.6
حاصبيا	4	9.1
جزين	3	3.2
مرجعيون	19	92
النبطية	9	17.8
راشيا	5	3
صيدا	2	7
صور	12	42.4
البقاع الغربي	11	39.1
المجموع	77	255.2



ملحق رقم I: جدول يُظهر مواقع المؤسسات الصناعية ومدى بعدها عن النهر والروافد:

البعد عن النهر والروافد (متر)	القضاء	نوع الصرف الصناعي	نوع النشاط الصناعي	البلدة
NA	West Bekaa	Wet Process	Rock Cutting	Qaraaoun
NA	Marjaayoun	Dry Process	concrete cinder blocks / marble	Meissejjabal
70	Bint Jbayl	Dry Process	Concrete cinder blocks	Khirbet selm
70	Bint Jbayl	Dry Process	gas storage	soultaniyet bent jbayl
76	Bint Jbayl	Wet Process	Rock Cutting	Qalaouiye
82	Bint Jbayl	Dry Process	Concrete cinder blocks	soultaniyet bent jbayl
159	West Bekaa	Wet Process	Olive Mill	Sohmor
190	Hasbaya	Wet Process	Rock Cutting	Dellafe
191	Marjaayoun	Wet Process	Olive Mill	Aaitaroun
268	Bint Jbayl	Wet Process	Olive Mill	Borjqalaouiye
272	West Bekaa	Wet Process	Olive Mill	Sohmor
359	Nabatiye	Dry Process	concrete cinder blocks / marble	Kfar sir
384	Sour	Dry Process	Plastic Conduit pipes	Halloussiye
389	Sour	Wet Process	Olive Mill	Tayr falsay
402	Saida	Dry Process	Concrete cinder blocks	Zrariye
469	Sour	Wet Process	Olive Mill	Tayr falsay
478	Bint Jbayl	—	Dairy Products	Qalaouiye
481	Marjaayoun	Dry Process	Steel Fabrication	Aaitaroun
516	Sour	Dry Process	Molasses	Tayr falsay
523	Bint Jbayl	Wet Process	Olive Mill	Markaba
529	Sour	Wet Process	Rock Cutting	Tayr falsay
566	Bint Jbayl	Dry Process	Bakery	soultaniyet bent jbayl
578	Marjaayoun	Wet Process	Rock Cutting	Meissejjabal



	n			
581	West Bekaa	Wet Process	Olive Mill	Qaraaoun
619	Saida	Dry Process	concrete industry / asphalt	Matariyet ech choumar
620	Marjaayoun	Wet Process	Rock Cutting	Meissejjabal
625	West Bekaa	Dry Process	Concrete Industry	Qaraaoun
652	Bint Jbayl	Wet Process	Dairy Products	Aaitaroun
675	Marjaayoun	Wet Process	Olive Mill	Souaneh (marjaayoun)
678	Marjaayoun	Wet Process	Olive Mill	Houla
696	Bint Jbayl	Dry Process	printing	soultaniyet bent jbayl
712	Sour	Wet Process	Rock Cutting	Bedias
714	Bint Jbayl	Wet Process	Rock Cutting	chaqra
730	Nabatiyeh	Wet Process	ice cream	Kfar sir
737	West Bekaa	Wet Process	Olive Mill	Qelaya
756	Sour	Wet Process	Rock Cutting	Tayr falsay
766	West Bekaa	Dry Process	Plastics	Yohmor (B-G)
787	Bint Jbayl	Wet Process	Olive Mill	Froun
807	Nabatiyeh	Wet Process	Water Filling	Arnoun
809	Bint Jbayl	Wet Process	Olive Mill	Froun
820	Rachiaya	Wet Process	Olive Mill	Majdel Balhis
832	West Bekaa	Dry Process	Bakery	Sohmor
840	West Bekaa	Dry Process	Concrete Industry	Machghara
846	Nabatiyeh	Dry Process	Wood Carpentry	Yohmor en-nabatiyeh
846	Sour	Dry Process	Concrete Industry	Bedias
897	Bint Jbayl	Wet Process	Rock Cutting	Baraachit
918	Marjaayoun	Dry Process	concrte industry	Qabrikha
929	Bint Jbayl	Wet Process	Olive Mill	Qalaouiye
938	West	Wet Process	Rock Cutting	Qaraaoun



	Bekaa			
942	Saida	Wet Process	Olive Mill	Zrariyeh
964	Bint Jbayl	Wet Process	Olive Mill	Khirbet selm
964	Marjaayoun	Dry Process	concrte industry	Qabrikha
976	West Bekaa	Dry Process	Concrete cinder blocks	Qaraaoun
979	Saida	Wet Process	Olive Mill	Arzai
998	West Bekaa	Wet Process	Rock Cutting	Qaraaoun
1,002	Marjaayoun	Wet Process	Olive Mill	Deir Mimas
1,032	West Bekaa	Wet Process	Rock Cutting	Qaraaoun
1,063	West Bekaa	Dry Process	Concrete cinder blocks	Machghara
1,073	West Bekaa	Wet Process	Olive Mill	Yohmor
1,101	Marjaayoun	Dry Process	Concrete cinder blocks	Meissejjabal
1,105	Sour	Wet Process	Olive Mill	Halloussiyeh
1,114	Sour	Wet Process	Rock Cutting	Halloussiyeh
1,115	Marjaayoun	Wet Process	Olive Mill	Bibbine
1,119	West Bekaa	Wet Process	Olive Mill	Sohmor
1,141	West Bekaa	Dry Process	Concrete cinder blocks	Qaraaoun
1,168	Nabatiyeh	Dry Process	tissue paper	Zaoutar el-gharbiye
1,177	Marjaayoun	Dry Process	furniture	Majdel selm
1,178	West Bekaa	Wet Process	Olive Mill	Sohmor
1,190	West Bekaa	Wet Process	Olive Mill	Zilaya
1,208	Marjaayoun	Wet Process	Olive Mill	Bibbine
1,220	Saida	Wet Process	Olive Mill	Zraiye
1,232	West Bekaa	Dry Process	Concrete cinder blocks	Qaraaoun



1,237	Nabatiyeh	Wet Process	Olive Mill	Sir el Gharbiye
1,262	Bint Jbayl	Wet Process	Dairy Products	Aaitaroun
1,277	West Bekaa	Wet Process	Rock Cutting	Qaraaoun
1,280	Sour	Dry Process	water tanks/ water heaters	Bedias
1,284	Marjaayoun	Wet Process	Rock Cutting	Taybeh (Marjaayoun)
1,284	Marjaayoun	Wet Process	Olive Mill	Kfar Kila
1,307	West Bekaa	Wet Process	Olive Mill	Yohmor (B-G)
1,309	Sour	Dry Process	Concrete Industry	Bedias
1,311	Bint Jbayl	Wet Process	Olive Mill	Khirbet selm
1,333	Saida	Dry Process	textiles and clothing	Zrariyeh
1,352	Marjaayoun	Wet Process	Olive Mill	Bibbine
1,365	Nabatiyeh	Dry Process	textiles and clothing	Zaoutar el-gharbiye
1,370	Marjaayoun	Wet Process	Olive Mill	Taybeh (Marjaayoun)
1,371	Marjaayoun	Wet Process	Olive Mill	Bourj El Mlouk
1,446	Marjaayoun	Wet Process	Olive Mill	Deir Mimas
1,469	Marjaayoun	Dry Process	Concrete cinder blocks	Souaneh (marjaayoun)
1,477	Sour	Wet Process	Dairy Products	Halloussiyyeh
1,480	Nabatiyeh	Dry Process	Steel Fabrication	Kfar Tibnit
1,488	West Bekaa	Wet Process	Water Treatment	Qaraaoun
1,504	Bint Jbayl	Wet Process	Olive Mill	kfar dounine
1,522	Bint Jbayl	Wet Process	Olive Mill	Aaitaroun
1,527	Nabatiyeh	Dry Process	Packaging	Kfar sir
1,527	Nabatiyeh	Wet Process	chocolate	Kfar sir
1,529	West Bekaa	Dry Process	Concrete cinder blocks	Qaraaoun
1,564	Nabatiyeh	Dry Process	Grain Mill	Sir el Gharbiye
1,579	Nabatiyeh	Dry Process	Concrete Industry	Zaoutar el-gharbiye
1,579	West Bekaa	Dry Process	Steel Fabrication	Qaraaoun
1,582	Bint Jbayl	Wet Process	Olive Mill	Aaynata bent jbayl



1,591	West Bekaa	Dry Process	Plastic Industry	Qaraaoun
1,616	Nabatiyeh	Wet Process	Dairy Products	Kfar Tibnit
1,619	West Bekaa	Dry Process	Concrete cinder blocks	Qaraaoun
1,626	Nabatiyeh	Dry Process	Concrete Industry	Zaoutar el-gharbiye
1,662	West Bekaa	Dry Process	Concrete cinder blocks	Qaraaoun
1,695	Nabatiyeh	Wet Process	Olive Mill	Qsaibeh
1,698	West Bekaa	Dry Process	Asphalt	Maydoun
1,701	Marjaayoun	Wet Process	Olive Mill	Qlaiaa
1,702	Sour	Wet Process	Rock Cutting	Deir Qanoun en-nahr
1,713	Bint Jbayl	Dry Process	Wood Carpentry	Khirbet selm
1,719	West Bekaa	Dry Process	Concrete cinder blocks	Qaraaoun
1,727	West Bekaa	Dry Process	Concrete Industry	Maydoun
1,741	Bint Jbayl	Dry Process	Concrete cinder blocks	Aaitaroun
1,742	Nabatiyeh	Wet Process	Olive Mill	Yohmor
1,744	Sour	Dry Process	Concrete cinder blocks	Deir Qanoun en-nahr
1,782	West Bekaa	Dry Process	Steel Fabrication	Qaraaoun
1,805	Sour	Wet Process	Rock Cutting	Halloussiyyeh
1,810	West Bekaa	Wet Process	Rock Cutting	Qaraaoun
1,908	Sour	Dry Process	Concrete cinder blocks	Derdghaya
1,946	Saida	Dry Process	Concrete cinder blocks	Karayeb (Saida)
2,007	Sour	Wet Process	Olive Mill	Deir Qanoun en-nahr
2,010	Marjaayoun	Dry Process	Concrete cinder blocks	Majdel selm
2,036	Marjaayoun	Wet Process	Olive Mill - Grain Mill	Jdaideh (Marjaayoun)
2,047	Nabatiyeh	Wet Process	Olive Mill	Qaaqaiyet Ej Jisr
2,060	Saida	Wet Process	Olive Mill	Karayeb (Saida)
2,118	Marjaayou	Wet Process	Olive Mill	Meissejjabal



	n			
2,128	Marjaayoun	Wet Process	Olive Mill	Kfar Kila
2,151	Sour	Wet Process	Olive Mill	Deir Qanoun en-nahr
2,151	Sour	Wet Process	Olive Mill	Deir Qanoun en-nahr
2,154	Marjaayoun	Wet Process	Olive Mill	Qlaaia
2,186	Sour	Dry Process	furniture	Deir Qanoun en-nahr
2,202	Nabatiyeh	Dry Process	Concrete Industry	Yohmor (Nabatiyeh)
2,218	Sour	Dry Process	printing	Deir Qanoun en-nahr
2,219	Sour	Dry Process	water tanks / water heaters	Deir Qanoun en-nahr
2,236	Sour	Wet Process	Olive Mill	Halloussiyeh
2,246	Sour	Wet Process	Olive Mill	Deir Qanoun en-nahr
2,286	Marjaayoun	Wet Process	Olive Mill	Kfarkila
2,315	Saida	Dry Process	Concrete cinder blocks	Karayeb (Saida)
2,359	Rachiaya	Dry Process	Concrete Industry	Majdel Balhis
2,384	Sour	Wet Process	Olive Mill	Deir Qanoun en-nahr
2,384	Sour	Wet Process	Olive Mill	Deir Qanoun en-nahr
2,384	Sour	Wet Process	Olive Mill	Deir Qanoun en-nahr
2,389	Jezzine	Dry Process	Concrete Industry	Qatrani
2,404	West Bekaa	Wet Process	Olive Mill	Aaytanit
2,433	Sour	Dry Process	tissue paper	Srifa
2,434	Marjaayoun	Dry Process	Olive Mill	Qlaiaa
2,449	Marjaayoun	Wet Process	Olive Mill	Kfarkila
2,450	Nabatiyeh	Wet Process	Olive Mill	Yohmor (Nabatiyeh)



2,450	Marjaayoun	Wet Process	Olive Mill	Majdel selm
2,464	Marjaayoun	Wet Process	Olive Mill	Borjelmlouk
2,485	Sour	Dry Process	Concrete Industry	Srifa
2,492	West Bekaa	Wet Process	Olive Mill	Majdel Balhis
2,505	Bint Jbayl	Wet Process	Olive Mill	Jmajmeh
2,525	Marjaayoun	Wet Process	Olive Mill	Kfarkila
2,548	Marjaayoun	Wet Process	Olive Mill	Kfarkila
2,555	Marjaayoun	Dry Process	Plastic Industry	Markaba
2,567	West Bekaa	Dry Process	Bakery	Machghara
2,568	Nabatiyeh	Wet Process	rock and marble cutting	Qsaibeh (Nabatiyeh)
2,602	West Bekaa	Wet Process	Rock Cutting	Qaraaoun
2,677	Bint Jbayl	Dry Process	Steel Fabrication	Jmajmeh
2,704	Nabatiyeh	Dry Process	Wood Carentry	Kfar Roummane
2,780	Marjaayoun	Wet Process	Rock Cutting / concrete industry	Taybeh (Marjaayoun)
2,791	Marjaayoun	Dry Process	Steel Fabrication	Kfarkila
2,798	Marjaayoun	Wet Process	Olive Mill	Qlaaia
2,825	Bint Jbayl	Dry Process	concrete industry	Safad el battikh
2,830	Nabatiyeh	Dry Process	Wood Carentry	Kfar Roummane
2,838	Nabatiyeh	Wet Process	Olive Mill	Qsaibeh (Nabatiyeh)
2,869	Saida	Dry Process	Nylon Industry	Karayeb (Saida)
2,878	Hasbaya	Wet Process	Olive Mill	Kaoukaba (Hasbaiya)
2,893	Sour	Wet Process	Olive Mill	Srifa
2,913	Sour	Dry Process	Concrete Industry	Srifa
2,934	Marjaayoun	Wet Process	Olive Mill	Blat
2,945	Sour	Dry Process	tissue paper	Jennata
2,953	Sour	Wet Process	Rock Cutting	Deir Qanoun en-nahr



2,960	Hasbaya	Wet Process	Olive Mill	Kaoukaba (Hasbaiya)
2,983	Sour	Dry Process	Concrete Industry	Srifa
3,005	Marjaayoun	Dry Process	Concrete cinder blocks	Kfarkila
3,013	Marjaayoun	Wet Process	Olive Mill	Kfarkila
3,038	Sour	Dry Process	steel Fabrication	Derdghaya
3,097	Nabatiyeh	Wet Process	Olive Mill	Qsaibeh (Nabatiyeh)
3,153	Sour	Dry Process	gas storage	Derdghaya
3,163	Hasbaya	Wet Process	Olive Mill	Kaoukaba
3,165	Sour	Dry Process	Concrete cinder blocks	Derdghaya
3,190	Sour	Wet Process	chocolate	Derdghaya
3,242	Hasbaya	Wet Process	Olive Mill	Kaoukaba (Hasbaiya)
3,292	Marjaayoun	Wet Process	Olive Mill	Houla
3,292	Marjaayoun	Wet Process	Olive Mill	Houla
3,299	Saida	Wet Process	Rock Cutting	Karayeb (Saida)
3,327	Sour	Dry Process	marble / granite	Maaroub
3,365	Hasbaya	Wet Process	Olive Mill	Kaoukaba (Hasbaiya)
3,435	Nabatiyeh	Dry Process	furniture	Kfar Roummane
3,461	Marjaayoun	Wet Process	Olive Mill	Kfarkila
3,485	Nabatiyeh	Dry Process	furniture	Kfar Roummane
3,512	Marjaayoun	Wet Process	Olive Mill	Houla
3,644	Sour	Dry Process	concrete/ asphalt industry	Derdghaya
3,726	West Bekaa	Dry Process	Concrete Industry	Libbaya
3,754	Nabatiyeh	Wet Process	chocolate	Kfar Roummane
3,861	West Bekaa	Dry Process	Concrete Industry	Libbaya
3,923	Nabatiyeh	Wet Process	ice cream	Kfar Roummane
3,999	Marjaayoun	Wet Process	Olive Mill	Aadaysseh (marjaayoun)
4,014	Marjaayoun	Dry Process	Asphalt	Markaba



4,052	Marjaayoun	Dry Process	Concrete cinder blocks	Houla
4,135	Bint Jbayl	Wet Process	Rock Cutting	Beityahoun
4,242	Sour	Dry Process	concrete/ asphalt industry	Derdghaya
4,268	Marjaayoun	Dry Process	Concrete cinder blocks	Aadaysseh (marjaayoun)
4,335	Marjaayoun	Dry Process	Steel Fabrication	Aadaysseh (marjaayoun)
4,351	Sour	Wet Process	Olive Mill	Maaroub
4,448	Marjaayoun	Wet Process	Olive Mill	Markaba
4,493	Marjaayoun	Dry Process	Concrete cinder blocks	Aadaysseh (marjaayoun)
4,602	Marjaayoun	Dry Process	Concrete cinder blocks	Aadaysseh (marjaayoun)
4,669	West Bekaa	Dry Process	Concrete Industry	Libbaya
4,790	Marjaayoun	Wet Process	Bakery	Braiqeaa
4,881	Bint Jbayl	Wet Process	Olive Mill	Kounine
4,943	Marjaayoun	Dry Process	concrte industry	Aadaysseh (marjaayoun)
5,174	Bint Jbayl	Wet Process	Rock Cutting	Beityahoun
5,513	Jezzine	Wet Process	Rock Cutting	Aramta
5,584	Bint Jbayl	Dry Process	gas storage	Tiri
5,821	Rachiaya	Dry Process	Concrete Industry	Majdel Balhis
6,022	Rachiaya	Wet Process	Olive Mill	Majdel Balhis
6,675	Bint Jbayl	Wet Process	Olive Mill	Tiri
7,238	Rachiaya	Wet Process	Rock Cutting	Kaoukaba Bou Arab
7,271	Rachiaya	Wet Process	Olive Mill	Kfar Michki
7,338	Bint Jbayl	Wet Process	Olive Mill	Tiri