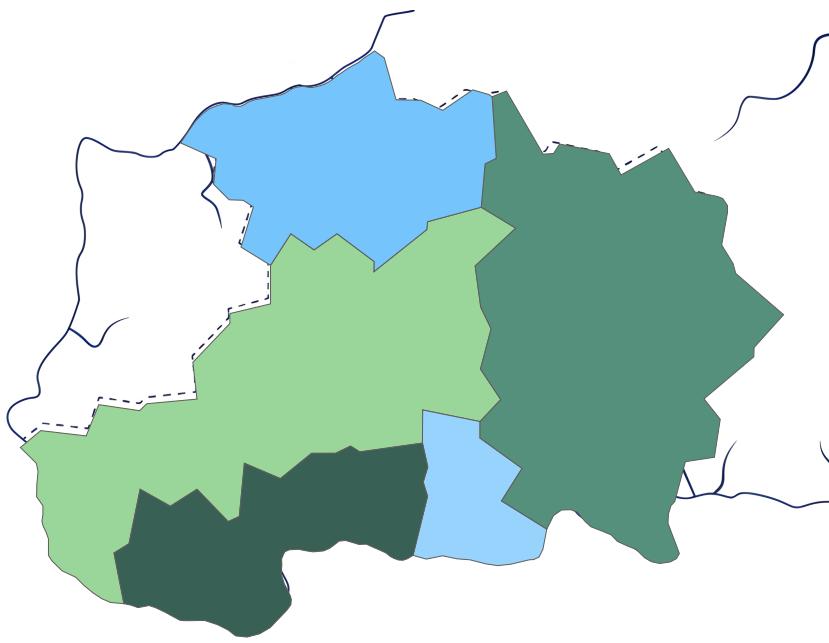
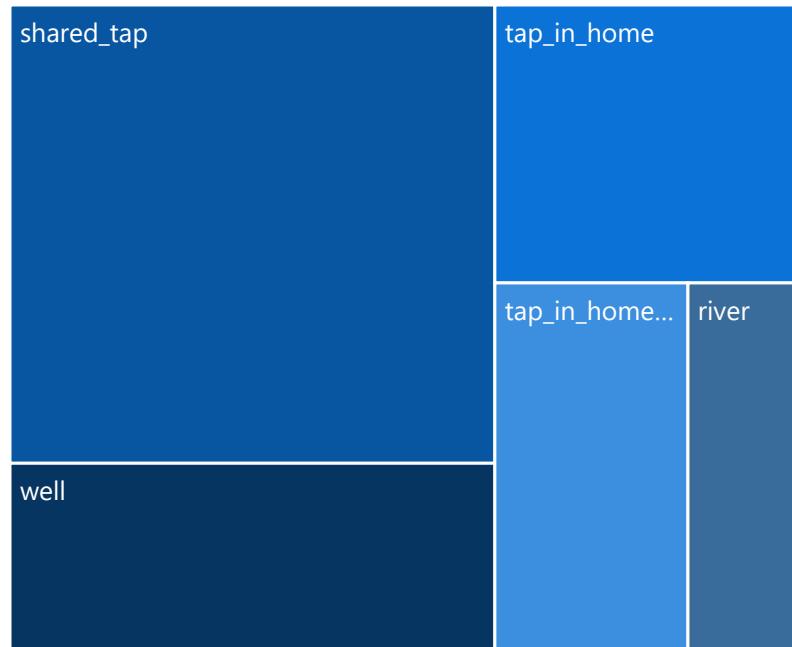
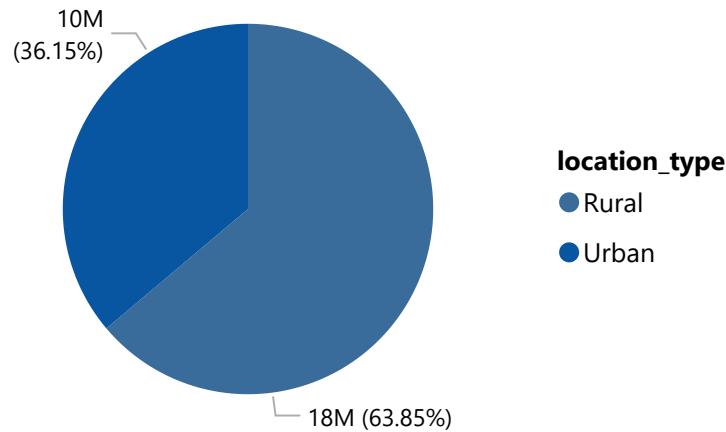


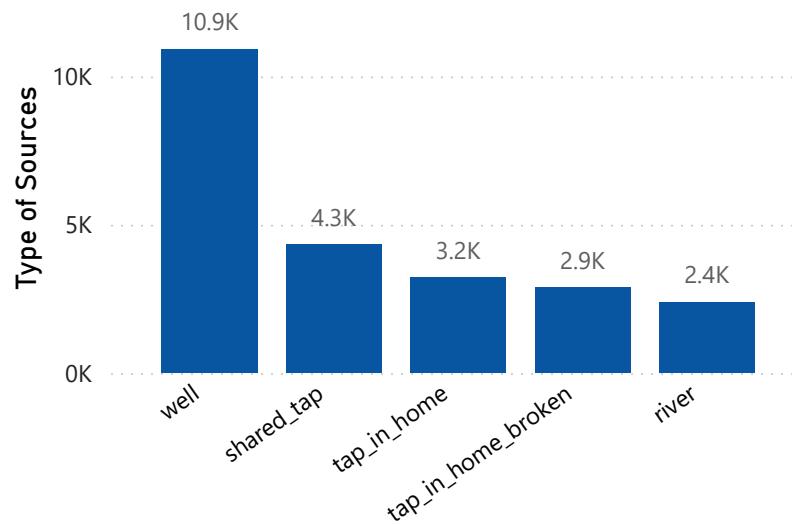
# MAJINDOGO WATER SOURCES



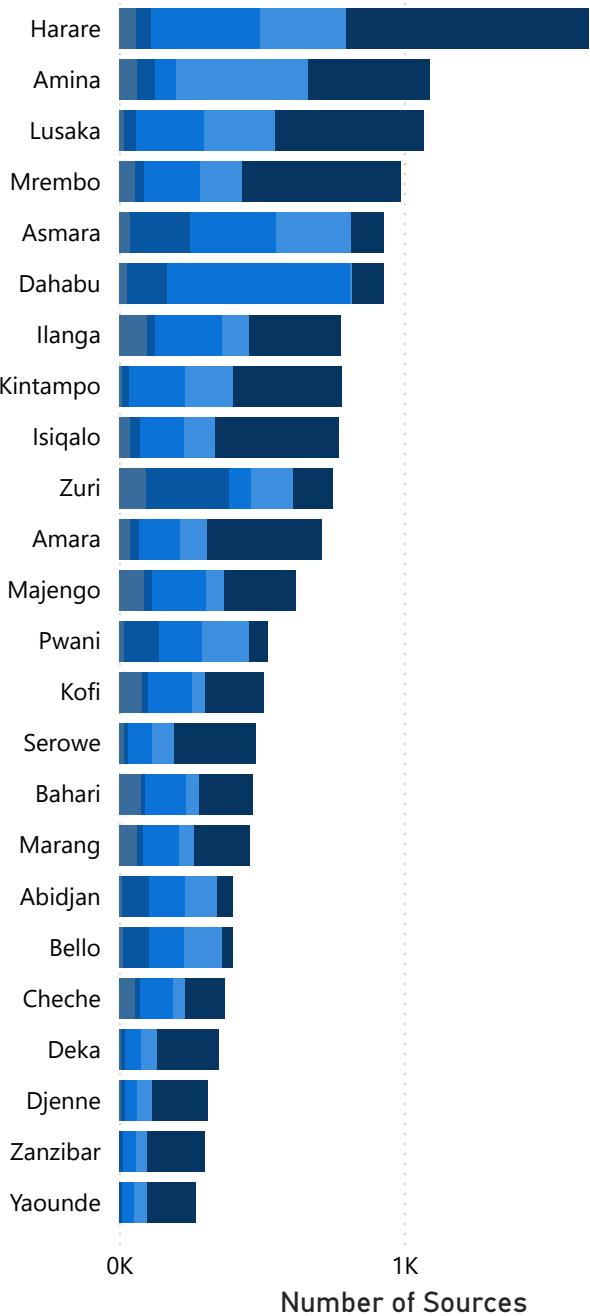
**Population**



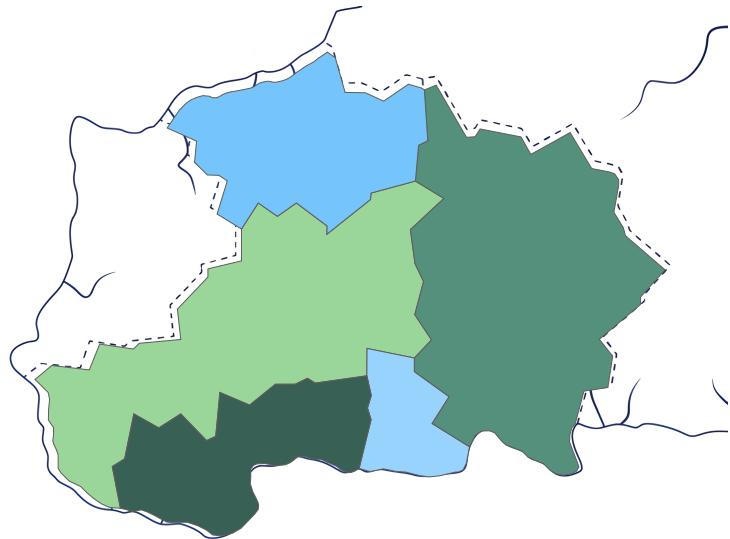
**Water Sources(Type)**



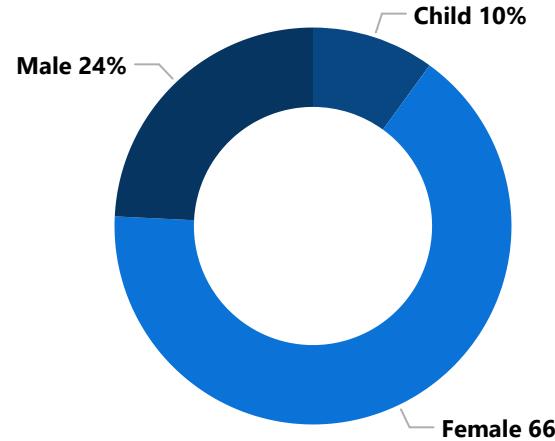
**Water Sources (Location)**



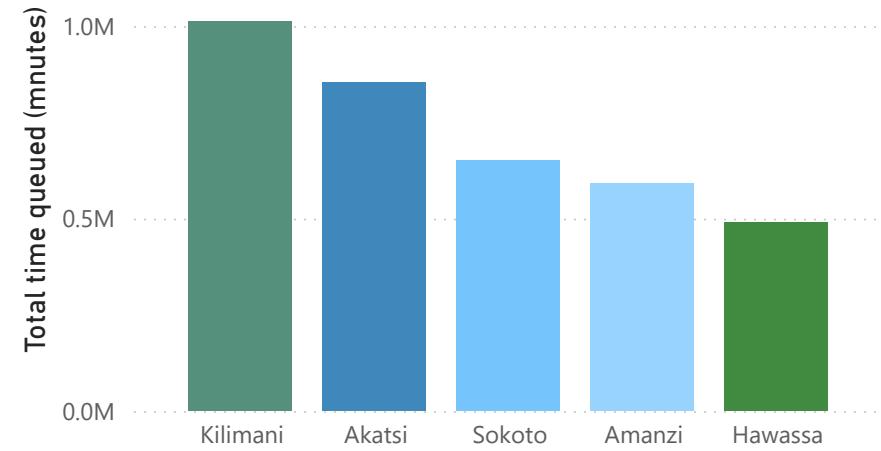
# QUEUE COMPOSITIONS IN MAJI NDOGO



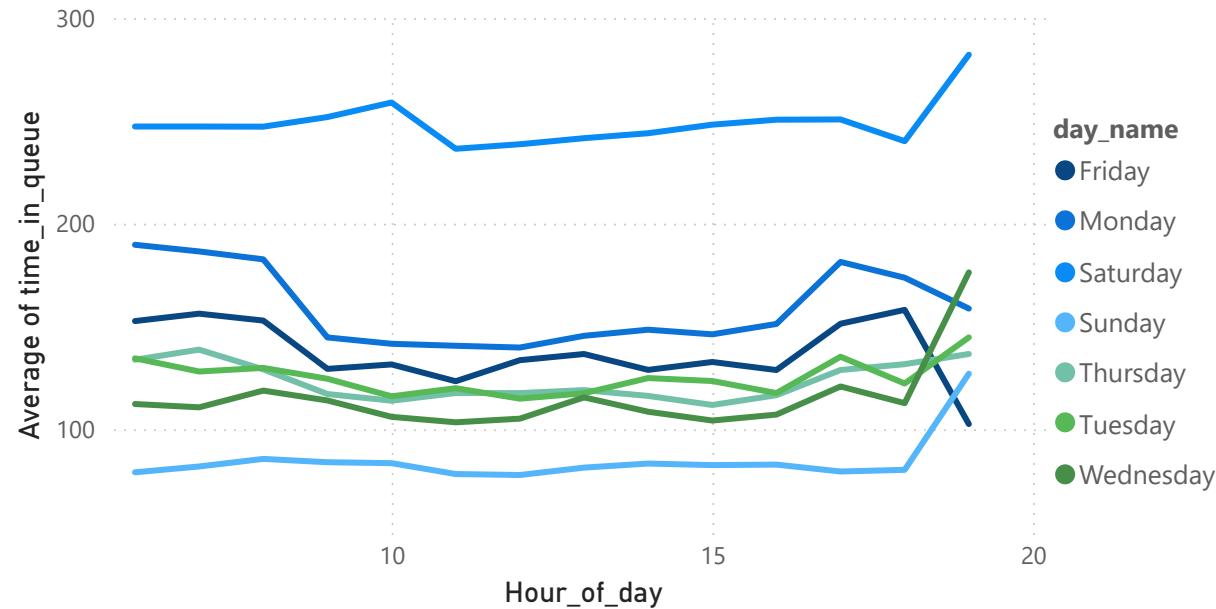
Average Queue Composition



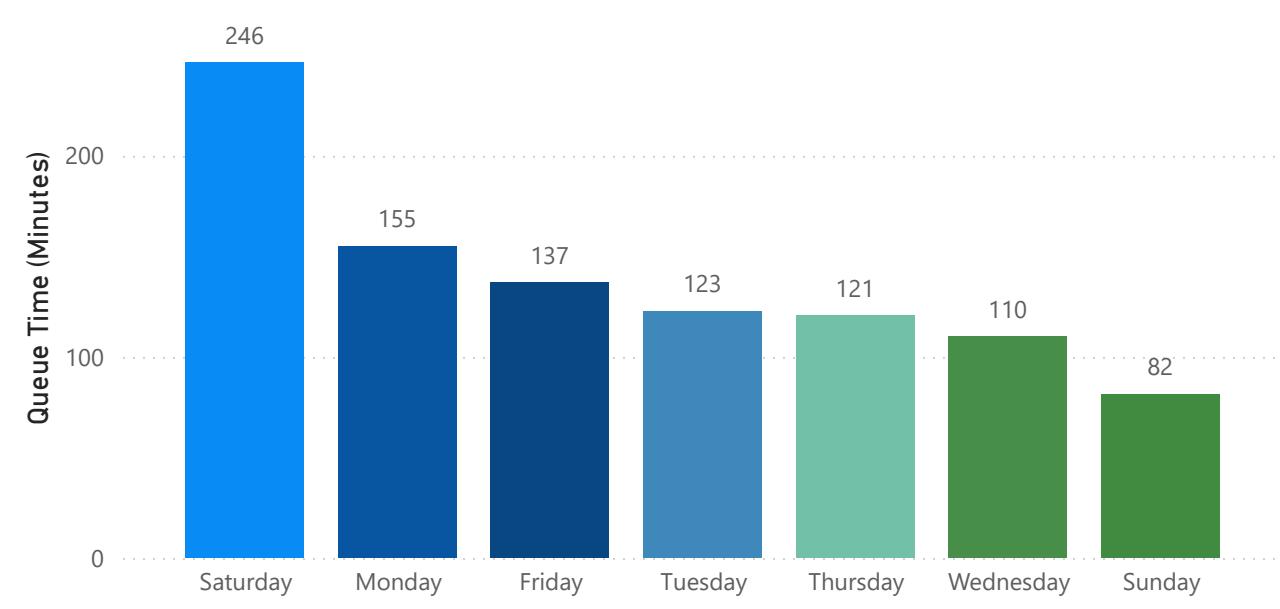
Total time spent on ques



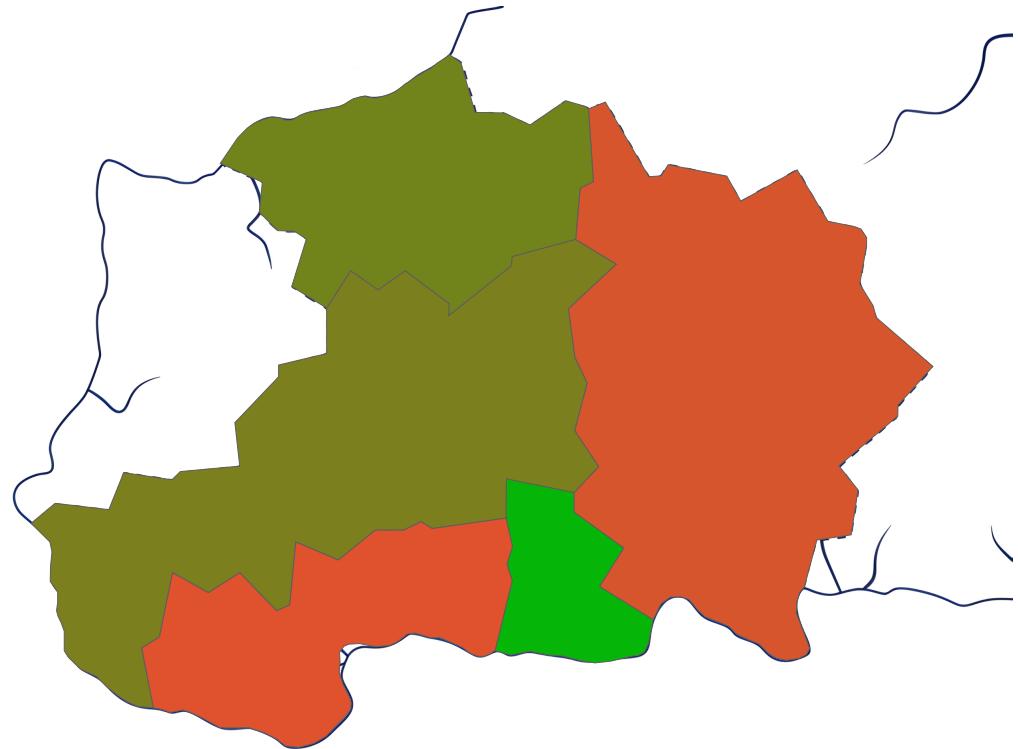
Average Queue time for Shared taps



Average of time\_in\_queue by day\_name

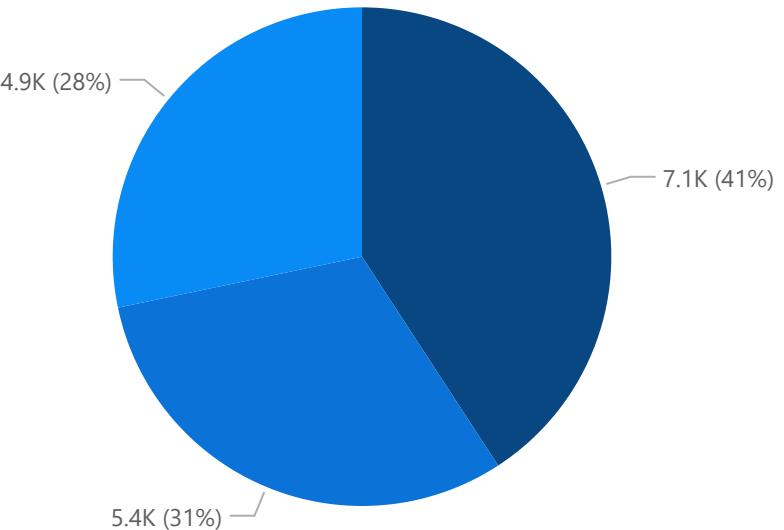


## POLLUTION DATA IN MAJI NDOGO

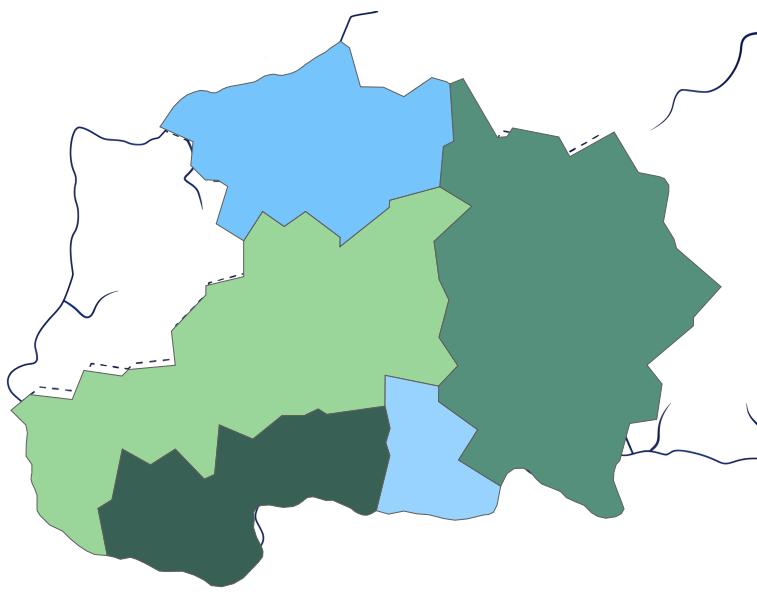


Number of wells and their results

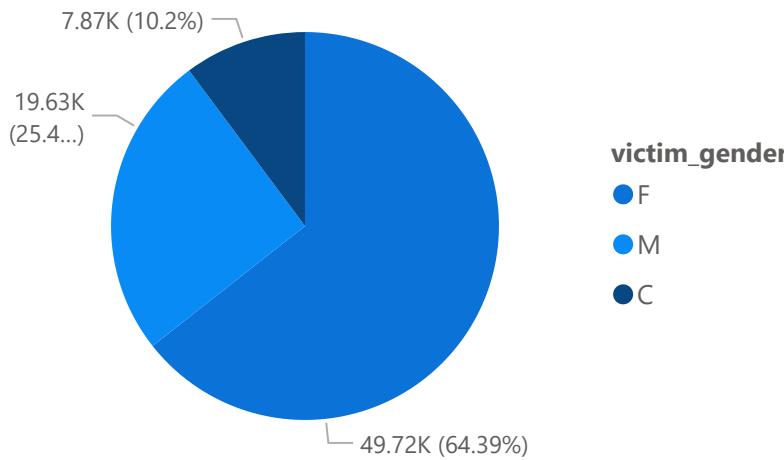
● Contaminated: Chemical ● Contaminated: Biological ● Clean



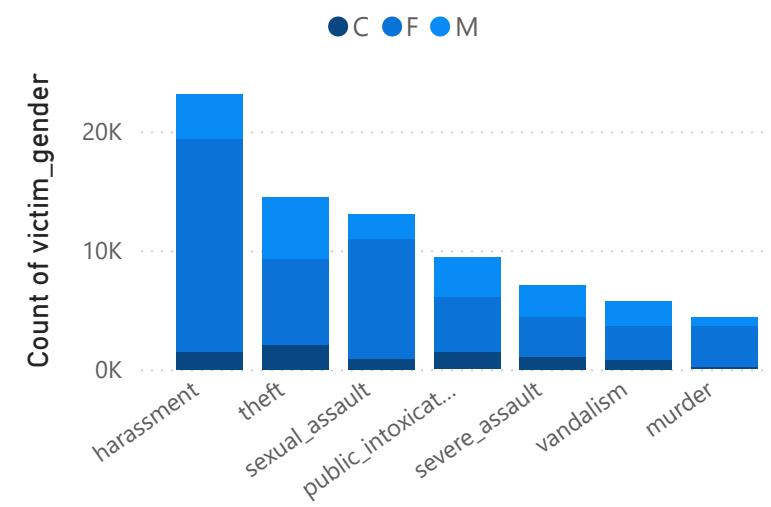
# CRIME ANALYSIS IN MAJI NDOGO



Crime\_type by victim\_gender

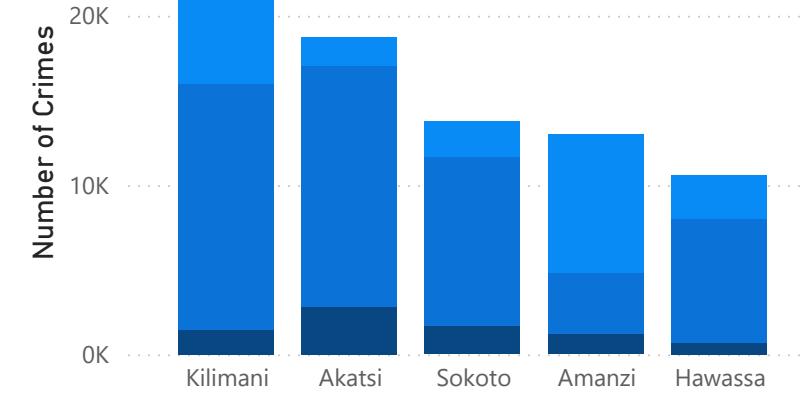


Gender disparity related to water collectors

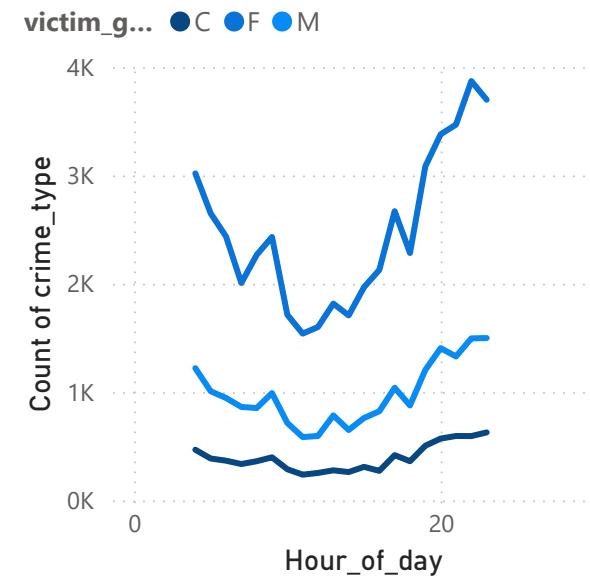


Total provincial crimes

victim\_gender ● C ● F ● M

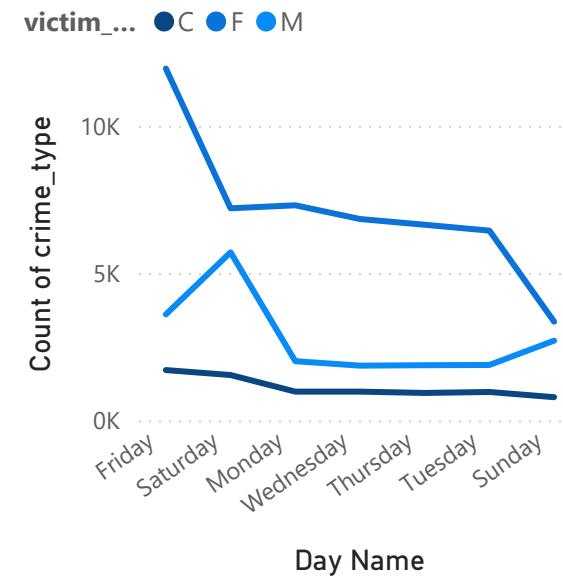


Crime\_type by Hour\_of\_day and victim\_gender



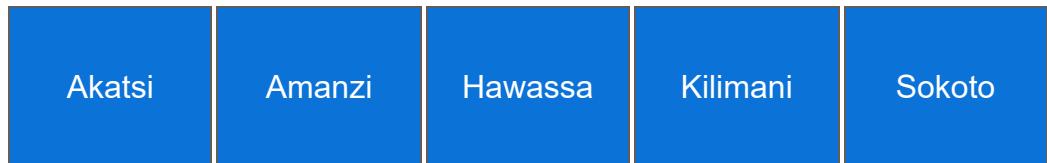
**WATER CRIMES HAPPEN THE MOST ON FRIDAY AND SATURDAYS AND WOMEN FACE THESE CRIMES THE MOST. THE PROMINENT HOUR FOR THESE CRIMES IS 10PM**

Crime\_type by Day Name and victim\_gender





# NATIONAL IMPROVEMENT COSTS



Pop access to water

**34%**

Total Budget (USD)

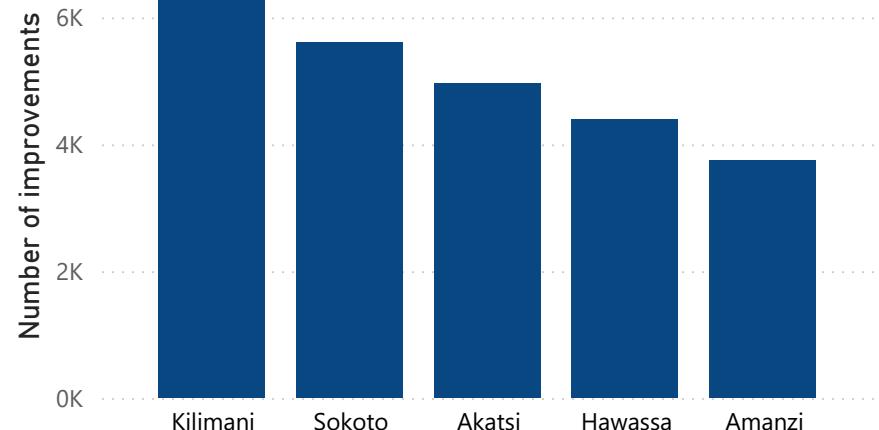
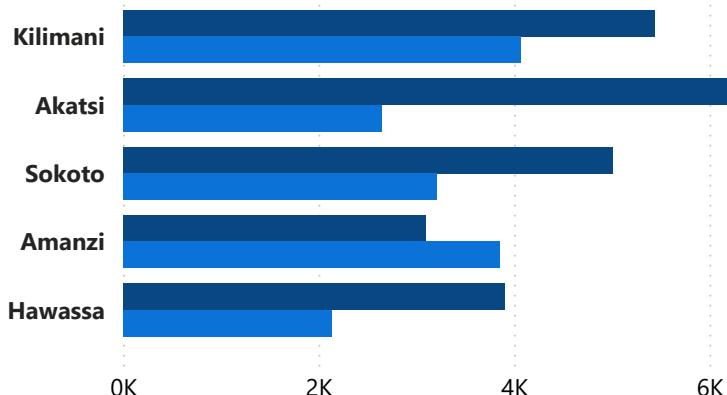
**147M**

% Improvement

**+66%**

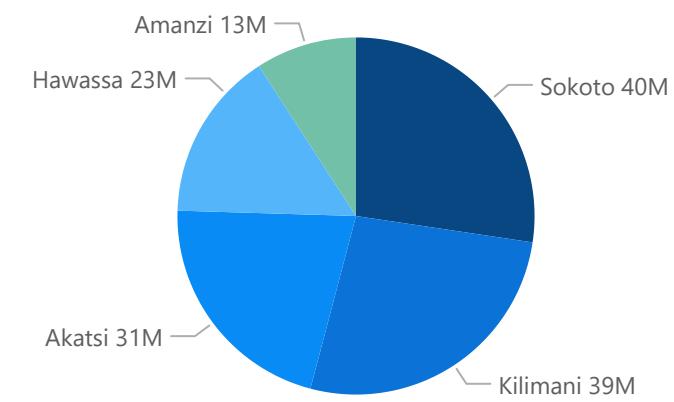
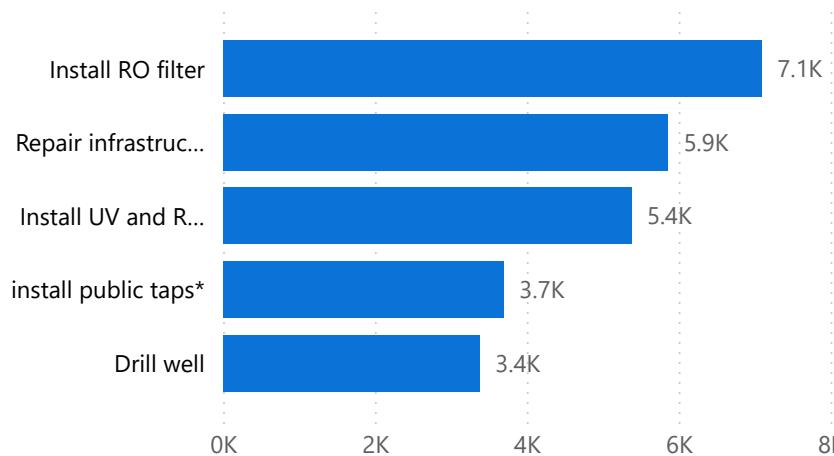
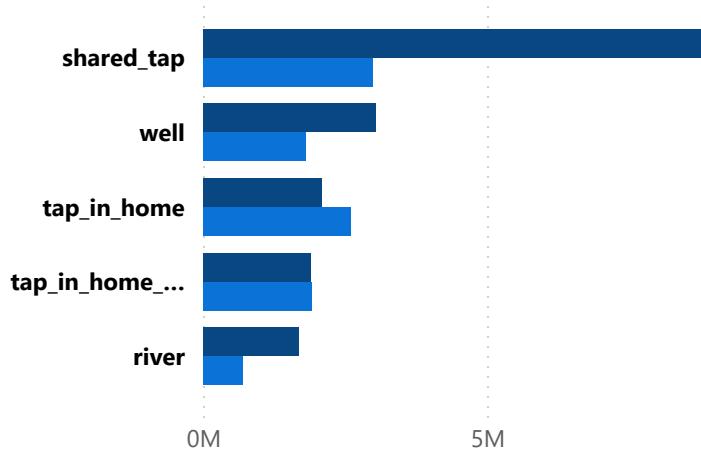
Province    Improvement

location\_type ● Rural ● Urban



Province table

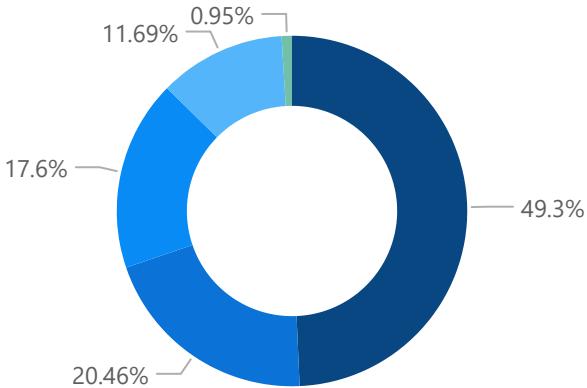
province	Population	Qty	Budget
Akatsi	3753366	4963	313550
Amanzi	3196068	3748	134282
Hawassa	2690982	4384	225533
Kilimani	4717646	6700	392492
Sokoto	4001192	5603	401514
<b>Total</b>	<b>18359254</b>	<b>25398</b>	<b>1467373</b>



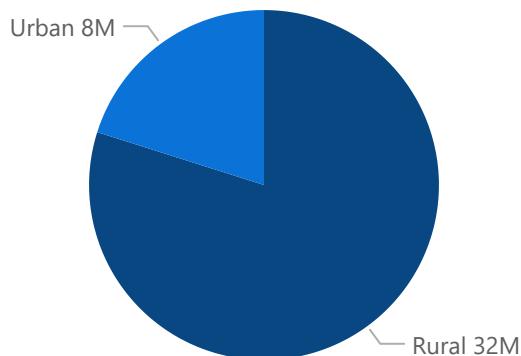


## IMPROVEMENT COST FOR SOKOTO PROVINCE

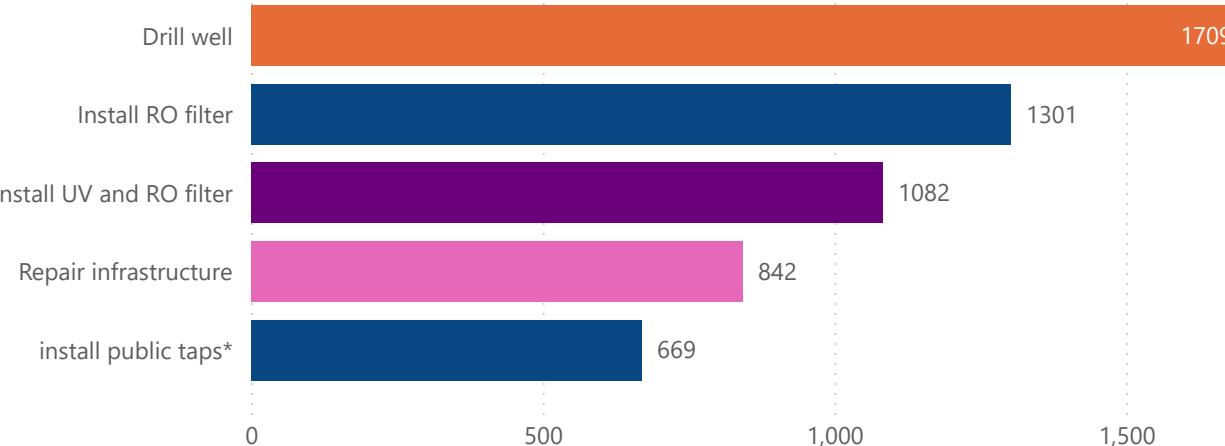
Budget Allocation



Rural/Urban Spending



Improvements



town_name	Population	Count of improvement	Budget	Cost/citizen
Bahari	259578	254	1204700	4.64
Cheche	213922	207	969000	4.53
Ilanga	420790	415	1768950	4.20
Kofi	295438	278	1394350	4.72
Majengo	338162	332	1555550	4.60
Marang	256826	265	1183900	4.61
Rural	3989718	3852	32075025	8.04
<b>Total</b>	<b>5774434</b>	<b>5603</b>	<b>40151475</b>	<b>6.95</b>

Aggregated_improvement	Qty	Sum of Budgeted_improvement_cost
Drill well	1709	19796500
install public taps*	669	8214000
Install RO filter	1301	7066500
Install UV and RO filter	1082	4692800
Repair infrastructure	842	381675
<b>Total</b>	<b>5603</b>	<b>40151475</b>

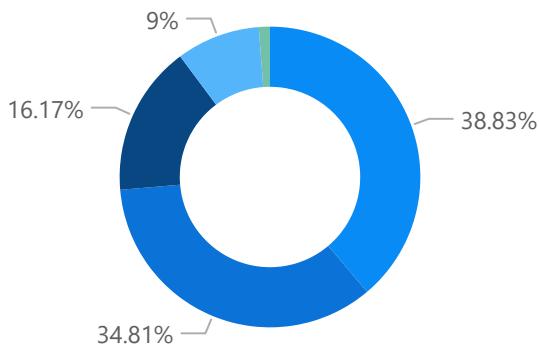
Total Budget

40M

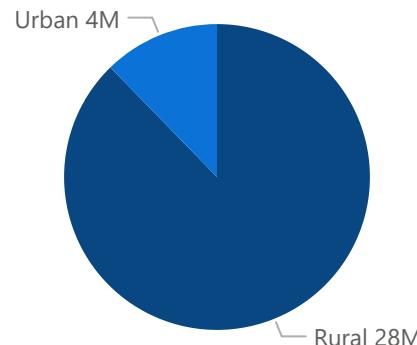


## IMPROVEMENT COSTS FOR AKATSI

Budget Allocation

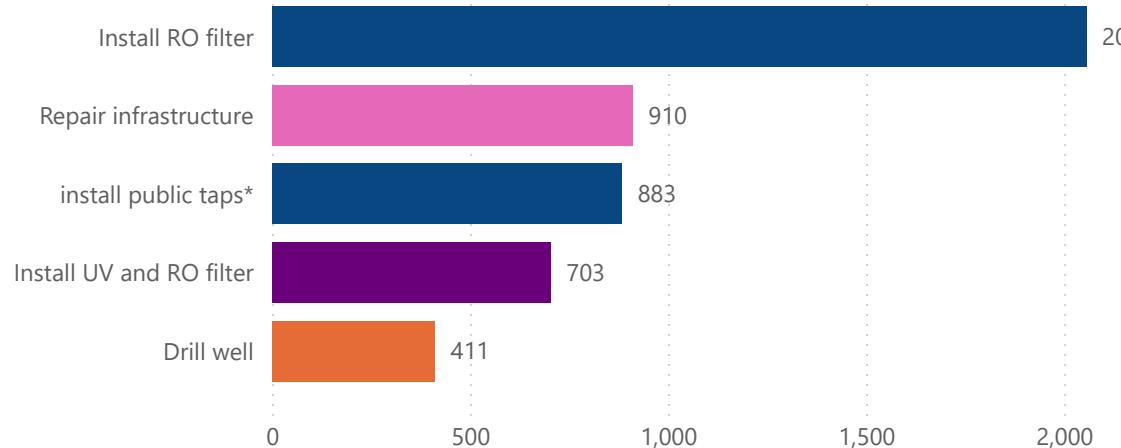


Rural/Urban Spending



town_name	Population	Count of improvement	Budget	Cost/citizen
Harare	419920	422	1121200	2.67
Kintampo	403222	421	1188800	2.95
Lusaka	568068	575	1540250	2.71
Rural	4602096	3545	27504825	5.98
<b>Total</b>	<b>5993306</b>	<b>4963</b>	<b>31355075</b>	<b>5.23</b>

Improvements



Aggregated_improvement	Qty	Sum of Budgeted_improvement_cost
Drill well	411	5070250
install public taps*	883	10916000
Install RO filter	2056	12173700
Install UV and RO filter	703	2820800
Repair infrastructure	910	374325
<b>Total</b>	<b>4963</b>	<b>31355075</b>

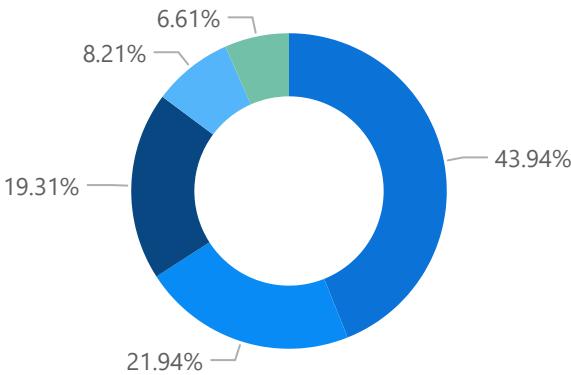
Total Budget

31M

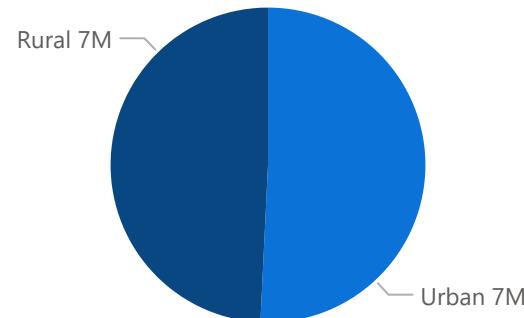


## IMPROVEMENTS COSTS FOR AMANZI

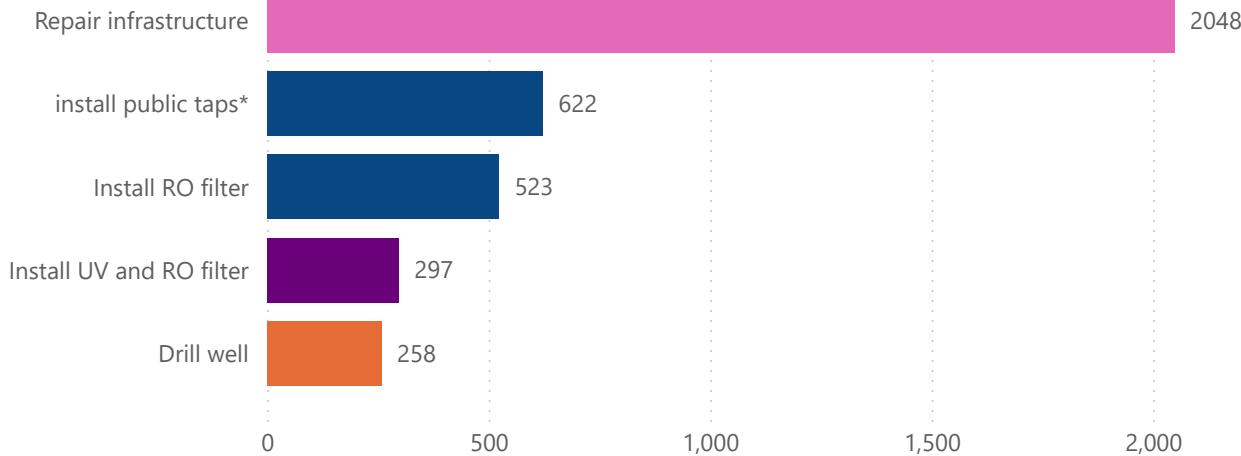
Budget Allocation



Rural/Urban Spending



Improvements



town_name	Population	Count of improvement	Budget	Cost/citizen
Abidjan	373650	212	691300	1.85
Amina	458596	589	1286100	2.80
Asmara	834026	503	1722900	2.07
Bello	385324	246	960300	2.49
Dahabu	747662	200	1251750	1.67
Pwani	497522	296	905500	1.82
<b>Total</b>	<b>5431826</b>	<b>3748</b>	<b>13428275</b>	<b>2.47</b>

Aggregated_improvement	Qty	Sum of Budgeted_improvement_cost
Drill well	258	2592500
install public taps*	622	5900000
Install RO filter	523	2946300
Install UV and RO filter	297	1102400
Repair infrastructure	2048	887075
<b>Total</b>	<b>3748</b>	<b>13428275</b>

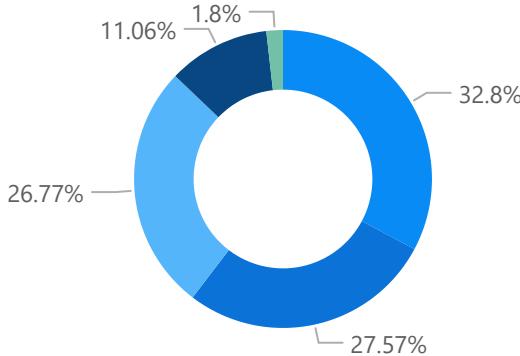
Total Budget

**13M**

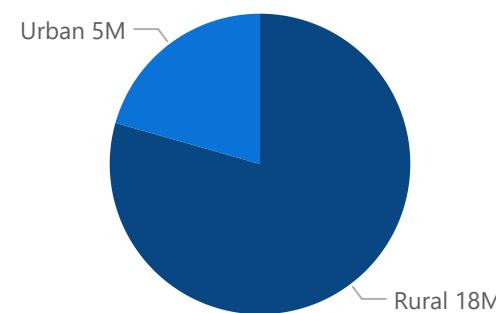


## IMPROVEMENT COSTS FOR HAWASA

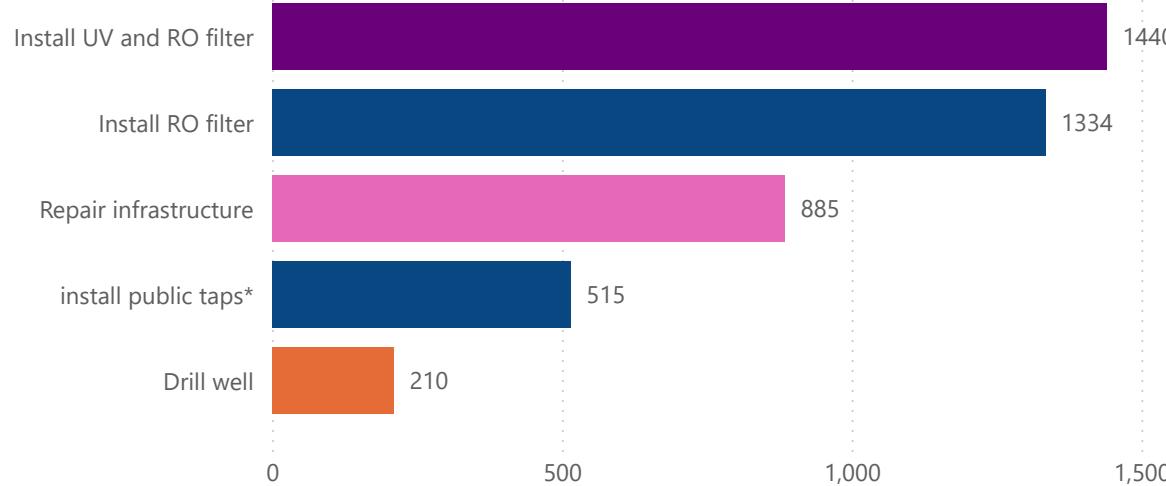
Budget Allocation



Rural/Urban Spending



Improvements



town_name	Population	Count of improvement	Budget	Cost/citizen
Amina	179894	342	1100050	6.11
Deka	163128	277	827350	5.07
Djenne	145316	256	863200	5.94
Rural	2859154	2928	17909325	6.26
Serowe	235050	129	329350	1.40
Yaounde	123312	217	750350	6.08
Zanzibar	137956	235	773700	5.61
<b>Total</b>	<b>3843810</b>	<b>4384</b>	<b>22553325</b>	<b>5.87</b>

Aggregated_improvement	Qty	Sum of Budgeted_improvement_cost
Drill well	210	2494750
install public taps*	515	6218000
Install RO filter	1334	7398300
Install UV and RO filter	1440	6036800
Repair infrastructure	885	405475
<b>Total</b>	<b>4384</b>	<b>22553325</b>

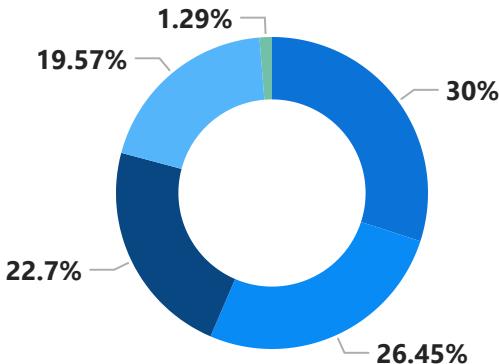
Total Budget

23M

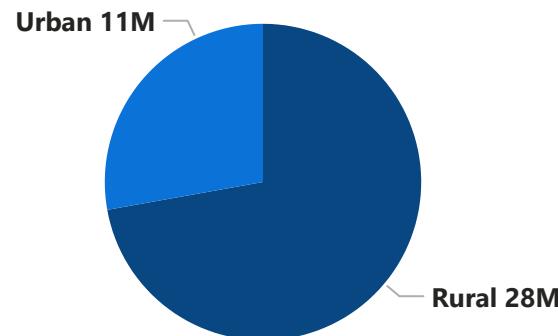


## IMPROVEMENT COSTS FOR KILIMANI

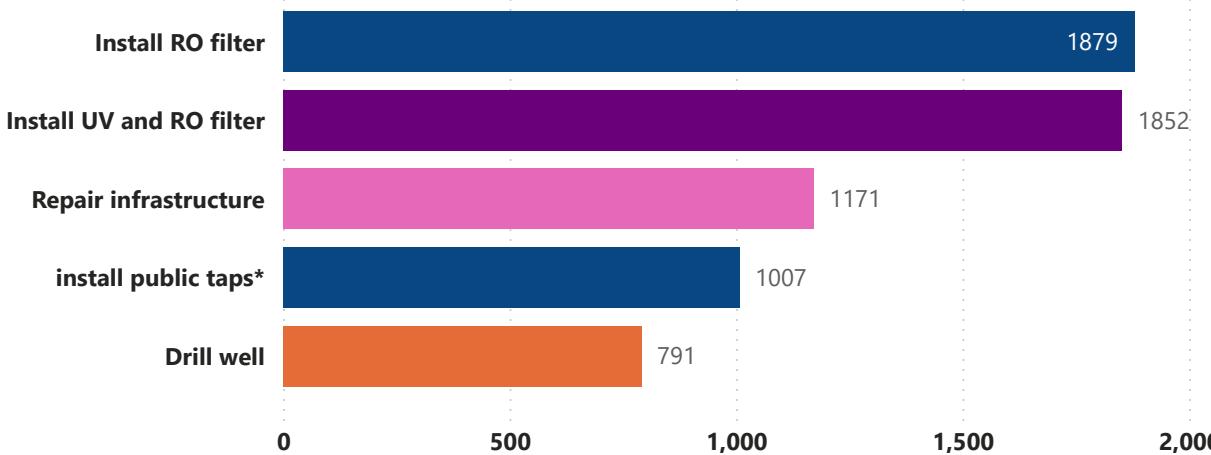
Budget Allocation



Rural/Urban Spending



Improvements made



town_name	Population	Count of improvement	Budget	Cost/citizen
Amara	370258	440	1607850	4.34
Harare	416282	533	1834050	4.41
Isiqalo	392316	499	1786250	4.55
Mrembo	494438	655	2332650	4.72
Rural	4054284	4033	28331025	6.99
Zuri	857186	540	3357400	3.92
<b>Total</b>	<b>6584764</b>	<b>6700</b>	<b>39249225</b>	<b>5.96</b>

Aggregated_improvement	Qty	Sum of Budgeted_improvement_cost
Drill well	791	8908000
install public taps*	1007	11775000
Install RO filter	1879	10380300
Install UV and RO filter	1852	7680000
Repair infrastructure	1171	505925
<b>Total</b>	<b>6700</b>	<b>39249225</b>

Total Budget

39M