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## **IFALIK ATOLL**

### **Well Inventory**

by Danko Taboroši with Maria Kottermair,

Mark Pekalmul, Callistus Hasefalgar, and Peter Tewasilpiy

## Ifalik Atoll

### Well inventory

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August 2015

**TABLE 1: Well type and dimensions**

General location		Identifiers		Type	Dimensions and shape						
Village name	Compound name	Compound number	Well number	General kind of well	Depth (from ground surface to bottom)		Height of raised rim (from ground to top)		Shape of opening (cross-section)	Size of opening (at the top)	
					feet	inches	feet	inches		feet	inches
Felaashigi	Gatiye Waliu	F1	F1-1w	Hand-dug	5	0		not raised	Circular	3	3
Felaashigi	Gatiye Waliu	F1	F1-2w	Hand-dug	3	6		not raised	Circular	3	6
Felaashigi	Gatiye Raali	F10	F10-1w	Hand-dug	5	6		not raised	Circular	3	0
Felaashigi	Gatiye Raali	F10	F10-2w	Hand-dug	7	0		not raised	Rectangular	6 – 5	/
Felaashigi	Gatiye Raali	F10	F10-3w	Hand-dug	3	0		not raised	Circular	2	9
Felaashigi	Liuteitei	F11	F11-1w	Hand-dug	5	0	1	7	Square	2	7
Felaashigi	Liuteitei	F11	F11-2w	Hand-dug	6	0		not raised	Circular	4	6
Felaashigi	Liuteitei	F11	F11-3w	Hand-dug	5	0		not raised	Circular	5 – 3	/
Felaashigi	Gamesalo	F14	F14-1w	Hand-dug	5	6	1	6	Square	2	4
Felaashigi	Gamesalo	F14	F14-2w	Hand-dug	3	0		not raised	Irregular	6 – 5	/
Felaashigi	Fani Waa	F15	F15-1w	Hand-dug	5	0	1	0	Square	4	0
Felaashigi	Faliugiumei	F16	F16-1w	Hand-dug	6	0		not raised	Circular	4	0
Felaashigi	Faliugiumei	F16	F16-2w	Hand-dug	3	6	1	6	Square	2	6
Felaashigi	Faliugiumei	F16	F16-3w	Hand-dug	4	6		not raised	Rectangular	3 – 2	/
Felaashigi	Matolo	F17	F17-1w	Hand-dug	3	7	0	8	Circular	2	0
Felaashigi	Matolo	F17	F17-2w	Hand-dug	6	0	1	0	Circular	5	5
Felaashigi	Gapichoango	F18	F18-1w	Hand-dug	6	0	1	4	Circular	3	6
Felaashigi	Gapichoango	F18	F18-2w	Hand-dug	4	8		not raised	Circular (Square on top)	2	8
Felaashigi	Welifale	F19	F19-1w	Hand-dug	5	0		not raised	Oval	3 – 2	/
Felaashigi	Mwaleogiulape	F3	F3-1w	Hand-dug	4	6	0	6	Circular	3	3
Felaashigi	Gashefaliuwe	F4	F4-1w	Hand-dug	4	0		not raised	Circular	2	8
Felaashigi	Gashefaliuwe	F4	F4-2w	Hand-dug	3	0		not raised	Circular	1	11
Felaashigi	Saboloosho	F5	F5-1w	Hand-dug	2	4		not raised	Circular	2	6
Felaashigi	Gasiutelingi	F6	F6-1w	Hand-dug	2	6		not raised	Square	5	0
Felaashigi	Waniu Gashiyou	F7	F7-1w	Hand-dug	5	0		not raised	Circular	3	0
Felaashigi	Waniu Gashiyou	F7	F7-2w	Hand-dug	4	7		not raised	Circular	2	3

Felaashigi	Waniu Gashiyou	F7	F7-3w	Hand-dug	4	5	1	7	Circular	2	4
Felaashigi	Waniu Gashiyou	F7	F7-4w	Hand-dug	2	6		not raised	Circular	5	0
Felaashigi	Gatiye Mai	F8	F8-1w	Hand-dug	5	7		not raised	Circular	3	3
Felaashigi	Pagiuli Mai	F9	F9-1w	Hand-dug	6	6		not raised	Circular	3	5
Felaashigi	Pagiuli Mai	F9	F9-2w	Hand-dug	5	3	1	5	Square	2	4
Felaashigi	Pagiuli Mai	F9	F9-3w	Hand-dug	2	8		not raised	Oval	2 – 1	/
Iyeiuriu	Faalimei	I1	I1-1w	Hand-dug	5	0		not raised	Square	5	4
Iyeiuriu	Marolibeoliu	I10	I10-1w	Hand-dug	5	3		not raised	Circular	4	0
Iyeiuriu	Marolibeoliu	I10	I10-2w	Hand-dug	6	6		not raised	Circular	3	9
Iyeiuriu	Galingefishi	I11	I11-1w	Hand-dug	5	4		not raised	Circular	2	6
Iyeiuriu	Galingefishi	I11	I11-2w	Hand-dug	7	3	1	2	Square	2	5
Iyeiuriu	PaliyaaUriu	I12	I12-1w	Hand-dug	6	6		not raised	Circular	3	6
Iyeiuriu	PaliyaaUriu	I12	I12-2w	Hand-dug	4	0		not raised	Circular	5	0
Iyeiuriu	Garochango	I13	I13-1w	Hand-dug	4	0	2	0	Square	2	4
Iyeiuriu	Iliugiu	I14	I14-1w	Hand-dug	5	0		not raised	Circular	7	0
Iyeiuriu	Iliugiu	I14	I14-2w	Hand-dug	6	6		not raised	Circular	3	0
Iyeiuriu	Faali Cheli	I15	I15-1w	Hand-dug	6	0		not raised	Circular	4	0
Iyeiuriu	Faaligoshali	I2	I2-1w	Hand-dug	5	0		not raised	Square	2	11
Iyeiuriu	Gaawongi	I3	I3-1w	Hand-dug	5	1	1	4	Square	2	5
Iyeiuriu	Gaawongi	I3	I3-2w	Hand-dug	3	9		not raised	Circular	2	6
Iyeiuriu	Gauruyela	I4	I4-1w	Hand-dug	5	0		not raised	Circular	4	0
Iyeiuriu	Imwe Tai Feoiu	I5	I5-1w	Hand-dug	5	8	0	4	Square	2	8
Iyeiuriu	Faali Giliyawe	I6	I6-1w	Hand-dug	5	6	1	0	Circular	2	0
Iyeiuriu	Faali Giliyawe	I6	I6-2w	Hand-dug	5	0		not raised	Circular	3	0
Iyeiuriu	Yatimagili	I8	I8-1w	Hand-dug	5	6		not raised	Circular	5	0
Iyeiuriu	Legawoo	I9	I9-1w	Hand-dug	3	3		not raised	Circular	3	6
Rawaiu	Somate	R1	R1-1w	Hand-dug	4	4		not raised	Circular	2	10
Rawaiu	Somate	R1	R1-2w	Hand-dug	3	7	2		Circular	3	5
Rawaiu	Gatiyi Fale	R10	R10-1w	Hand-dug	5	4		not raised	Circular	2	8
Rawaiu	Gatiyi Fale	R10	R10-2w	Hand-dug	6	0		not raised	Circular	2	7
Rawaiu	Falepengagi	R11	R11-1w	Hand-dug	5	0		not raised	Circular	5	0
Rawaiu	Falepengagi	R11	R11-2w	Hand-dug	3	6		not raised	Circular	3	0
Rawaiu	Galinge Leo	R12	R12-1w	Hand-dug	7	0		not raised	Circular	5	0
Rawaiu	Galinge Leo	R12	R12-2w	Hand-dug	3	0		not raised	Circular	4	0
Rawaiu	Faniseragi	R13	R13-1w	Hand-dug	5	6	0	6	Circular	3	0
Rawaiu	Faniseragi	R13	R13-2w	Hand-dug	4	6		not raised	Circular	5	0
Rawaiu	Gatiye Bugoto	R14	R14-1w	Hand-dug	3	6	2	0	Square	2	4
Rawaiu	Gatiye Bugoto	R14	R14-2w	Hand-dug	4	6		not raised	Circular	1	6
Rawaiu	Faali Woloshigi	R15	R15-1w	Hand-dug	3	0		not raised	Circular (Square on top)	1	6

Rawaiu	Faali Woloshigi	R15	R15-2w	Hand-dug	2	8		not raised		Circular	2	4
Rawaiu	Yaiulifengi	R16	R16-1w	Hand-dug	4	0	2	3		Circular (Square on top)	2	0
Rawaiu	Yaiulifengi	R16	R16-2w	Hand-dug	6	0		not raised		Circular	4	0
Rawaiu	Mattolu	R17	R17-1w	Hand-dug	5	0		not raised		Circular	4	3
Rawaiu	Welimwaluumwu	R2	R2-1w	Hand-dug	4	6		not raised		Circular	2	4
Rawaiu	Welimwaluumwu	R2	R2-2w	Hand-dug	4	0	2	0		Rectangular	2	5
Rawaiu	Gepaligolo	R3	R3-1w	Hand-dug	7	0		not raised		Circular	5	2
Rawaiu	Gepaligolo	R3	R3-2w	Hand-dug	5	4		not raised		Circular	4	5
Rawaiu	Fareigi	R4	R4-1w	Hand-dug	4	6		not raised		Oval	4 – 3	/
Rawaiu	Fareigi	R4	R4-2w	Hand-dug	4	0	0	2		Octagonal	3	4
Rawaiu	Fareigi	R4	R4-3w	Pond	3	0		not raised		Irregular	12 – 10	/
Rawaiu	Fareigi	R4	R4-4w	Hand-dug	4	0		not raised		Circular	2	5
Rawaiu	Paaiusheoliu	R5	R5-1w	Hand-dug	6	0		not raised		Circular	5	9
Rawaiu	Welippiyi	R6	R6-1w	Hand-dug	3	6	0	6		Rectangular	2	10
Rawaiu	Welippiyi	R6	R6-2w	Hand-dug	5	6		not raised		Circular	3	7
Rawaiu	Welippiyi	R6	R6-3w	Hand-dug	6	0		not raised		Irregular	7 – 4	/
Rawaiu	Welippiyi	R6	R6-4w	Hand-dug	2	6	1	0		Rectangular	2	7
Rawaiu	Welippiyi	R6	R6-5w	Hand-dug	4	0		not raised		Oval	9 – 5	/
Rawaiu	Welippiyi	R6	R6-6w	Hand-dug	4	4		not raised		Circular	3	6
Rawaiu	Faali Feliuwe	R7	R7-1w	Hand-dug	5	0		not raised		Circular	4	9
Rawaiu	Faali Feliuwe	R7	R7-2w	Hand-dug	6	0	1	7		Rectangular	2	6
Rawaiu	Gaagotage	R8	R8-1w	Hand-dug	3	3		not raised		Oval	5 – 4	/
Rawaiu	Gaagotage	R8	R8-2w	Hand-dug	3	0	1	0		Square	2	6
Rawaiu	Imwe Pengagi	R9	R9-1w	Hand-dug	3	6	0	6		Circular	3	0
Rawaiu	Rolongi	R22	R22-1w	Hand-dug	not measured			not raised		Rectangular	not measured	
Iyefangi	Weluuwari	Y1	Y1-1w	Hand-dug	6	2	2	0		Rectangular	2	6
Iyefangi	Maatali Gopwu	Y3	Y3-1w	Hand-dug	5	0	2	2		Square	2	5
Iyefangi	Maatali Gopwu	Y3	Y3-2w	Hand-dug	6	0		not raised		Circular	4	6
Iyefangi	Gapili Maate	Y5	Y5-1w	Hand-dug	3	6		not raised		Irregular	5 – 2	/
Iyefangi	Gapili Maate	Y5	Y5-2w	Hand-dug	3	6		not raised		Circular	5	7
Iyefangi	Paalaangi	Y6	Y6-1w	Hand-dug	3	2		not raised		Circular	2	8
Iyefangi	Baaba	Y7	Y7-1w	Hand-dug	6	0		not raised		Circular	4	0
Iyefangi	Niwegitobu (Weishug)	Y8	Y8-1w	Hand-dug	5	8	2	0		Circular	2	4
Iyefangi	Faluulu	Y9	Y9-1w	Hand-dug	3	1	2	2		Square	2	4

**Note about well opening size:**

When measurements for size of opening are given as two numbers in the format X – Y, they refer to length and width of top opening in wells with oval or rectangular (not square) cross-section.

Wells with sloping walls have a vertical cross-section shaped as an upward cone and their diameter varies along depth. The value given is diameter at the top, as the bottom could not be accessed for measurement.

In two wells that have a stepwise vertical cross-section, the two numbers refer to diameters of top and bottom parts respectively.

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### Well inventory

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**Table 2: Well appearance and usage**

Identifiers		Wall and cover			Maintenance		Usage						
Compound number	Well number	Wall lining material	Well wall orientation	Well cover	Water appearance	Debris in water	Collection method	Frequency of use	Standard usage (as reported by local residents)				
									Dishes	Laundry	Shower	Washing food	Cooking
F1	F1-1w	Rocks	Vertical	None	Clear	Clean	Bucket by hand	Daily	X	X	X	X	X
F1	F1-2w	Rocks	Vertical	None	Dry	Soil, ferns grow	Bucket by hand	Unused					
F10	F10-1w	Rocks	Vertical	None	Clear	Some plant debris	Bucket by hand	Daily	X	X	X	X	X
F10	F10-2w	Rocks with little cement	Sloping	Fishing net	Murky	Clean	Bucket by hand	Daily	X	X	X	X	X
F10	F10-3w	Sand and consolidated sediment	Sloping	None	Murky	Clean	Bucket by hand	Daily	X	X	X		
F11	F11-1w	Cement blocks	Vertical	None	Clear	Some plant debris	Bucket by hand	Daily	X	X	X	X	X
F11	F11-2w	Rocks with cement	Vertical	Fishing net	Clear	Clean	Pump (Solar)	Daily	X	X	X		
F11	F11-3w	PVC	Stepwise	None	Clear	Some plant debris	Bucket by hand	Daily		X	X		
F14	F14-1w	Concrete	Vertical	None	Clear	Some plant debris	Bucket by hand	Daily	X	X	X		
F14	F14-2w	Sand	Sloping	None	Clear	Debris, jetsam	Bucket by hand	Sporadic		X	X		
F15	F15-1w	Cement blocks, rocks below	Vertical	None	Clear	Some plant debris	Bucket by hand	Sporadic			X		
F16	F16-1w	Rocks, partly fallen	Vertical	None	Murky	Clean	Bucket by hand	Daily		X	X		
F16	F16-2w	Concrete	Vertical	None	Murky	Much plant debris	Bucket by hand	Unused					
F16	F16-3w	Rocks	Vertical	None	Clear	Clean	Bucket by hand	Daily	X	X	X	X	X
F17	F17-1w	Cut ferroconcrete drum	Vertical	None	Clear	Clean	Bucket by hand	Daily	X	X	X	X	X
F17	F17-2w	Rocks with some cement	Vertical	None	Clear	Some plant debris	Bucket by hand	Daily	X	X	X	X	X
F18	F18-1w	Rocks with little cement	Vertical	Metal cover	Clear	Clean	Bucket by hand	Daily	X	X	X	X	X
F18	F18-2w	Concrete	Vertical	None	Dirty	Much plant debris	Bucket by hand	Unused					
F19	F19-1w	Sand, plant roots	Sloping	None	Clear	Some plant debris	Bucket by hand	Daily	X	X	X	X	X
F3	F3-1w	Rocks with cement	Vertical	None	Murky	Clean	Bucket by hand	Daily	X	X	X	X	X
F4	F4-1w	Rocks	Vertical	None	Murky	Lots of debris	Bucket by hand	Sporadic			X		
F4	F4-2w	Rocks, cement, and sand	Vertical	None	Murky	Much plant debris	Bucket by hand	Daily	X	X	X		
F5	F5-1w	Rocks and sand	Vertical	None	Dry	Soil, sand, debris	Bucket by hand	Unused					
F6	F6-1w	Sand	Sloping	None	Dry	Soil, sand, debris	Bucket by hand	Unused					
F7	F7-1w	Rocks with cement	Vertical	None	Clear	Some algae	Bucket by hand	Daily	X	X	X	X	X
F7	F7-2w	Cut PVC drum	Vertical	Styrofoam	Clear	Clean	Bucket by hand	Daily	X	X	X	X	X

F7	F7-3w	Rubber	Vertical	None	Clear	Some plant debris	Bucket by hand	Daily		X	X			
F7	F7-4w	Sand	Sloping	None	Murky	Much plant debris	Bucket by hand	Sporadic						
F8	F8-1w	Rocks and cement bags	Vertical	None	Clear	Few leaves	Bucket by hand	Daily	X	X	X	X	X	
F9	F9-1w	Rocks	Sloping	None	Clear	Some algae	Bucket by hand	Daily	X	X	X	X	X	
F9	F9-2w	Concrete	Vertical	None	Clear	Some plant debris	Bucket by hand	Daily	X	X	X	X	X	
F9	F9-3w	Cut seaplane pontoon (metal)	Vertical	None	Clear	Clean	Bucket by hand	Daily	X	X	X			
I1	I1-1w	Cement bags	Sloping	None	Clear	Some plant debris	Bucket by hand	Sporadic			X			
I10	I10-1w	Rocks with cement	Vertical	Wire mesh	Clear	Clean	Bucket by hand	Daily	X	X	X			
I10	I10-2w	Rocks with cement	Vertical	None	Clear	Some plant debris	Bucket by hand	Daily	X	X	X			
I11	I11-1w	Rocks with cement	Vertical	None	Clear	Some plant debris	Bucket by hand	Daily	X	X	X	X	X	
I11	I11-2w	Concrete	Vertical	None	Clear	Clean	Bucket by hand	Daily	X	X	X	X	X	
I12	I12-1w	Rocks piled up against sand	Vertical	None	Murky	Clean	Bucket by hand	Daily	X	X	X	X	X	
I12	I12-2w	Rocks	Sloping	None	Murky	Clean	Bucket by hand	Daily	X	X	X	X		
I13	I13-1w	Concrete	Vertical	None	Dry	Debris, garbage	Bucket by hand	Unused						
I14	I14-1w	Consolidated gravel	Sloping	None	Dry	Soil and sediment	Bucket by hand	Unused						
I14	I14-2w	Rocks	Vertical	None	Clear	Some plant debris	Bucket by hand	Daily	X	X	X			
I15	I15-1w	Rocks with cement	Vertical	None	Murky	Clean	Bucket by hand	Unused						
I2	I2-1w	Concrete	Vertical	None	Clear	Garbage	Bucket by hand	Unused						
I3	I3-1w	Concrete	Vertical	None	Clear	Clean	Bucket by hand	Daily	X	X	X	X	X	
I3	I3-2w	Cut ferroconcrete drum, cement rim	Vertical	None	Murky	Plant debris	Bucket by hand	Unused						
I4	I4-1w	Rocks and sand	Vertical	None	Clear	Some plant debris	Bucket by hand	Daily	X	X	X	X	X	
I5	I5-1w	Concrete	Vertical	None	Clear	Some plant debris	Bucket by hand	Daily	X	X	X	X	X	
I6	I6-1w	Rocks and cut rubber buoy	Convex	None	Clear	Clean	Bucket by hand	Daily	X	X	X	X	X	
I6	I6-2w	Rocks	Sloping	None	Clear	Clean	Bucket by hand	Daily	X	X	X	X	X	
I8	I8-1w	Rocks and some cement bags	Sloping	None	Clear	Some plant debris	Bucket by hand	Sporadic			X			
I9	I9-1w	Rocks	Vertical	None	Dry	Sprouting coconuts	Bucket by hand	Unused						
R1	R1-1w	Rocks with cement	Vertical	None	Murky	Clean	Bucket by hand	Sporadic			X			
R1	R1-2w	Rocks with cement	Vertical	None	Clear	Muck and leaves	Bucket by hand	Unused						
R10	R10-1w	Cut PVC drum	Vertical	Plastic cover	Clear	Clean	Bucket by hand	Daily				X	X	
R10	R10-2w	Rocks	Vertical	Plastic cover	Murky	Clean	Bucket by hand	Daily			X			
R11	R11-1w	Rocks	Vertical	None	Clear	Clean	Bucket by hand	Daily	X		X	X		
R11	R11-2w	Rocks and sand	Vertical	None	Murky	Some plant debris	Bucket by hand	Sporadic			X			
R12	R12-1w	Rocks and a few cement bags	Vertical	None	Clear	Some plant debris	Bucket by hand	Daily	X	X	X			
R12	R12-2w	Rocks	Vertical	None	Murky	Clean	Bucket by hand	Daily	X	X	X			
R13	R13-1w	Rocks with cement	Vertical	Styrofoam	Clear	Clean	Bucket by hand	Daily	X	X	X	X	X	
R13	R13-2w	Rocks	Vertical	None	Murky	Clean	Bucket by hand	Sporadic			X			
R14	R14-1w	Concrete	Vertical	None	Clear	Clean	Bucket by hand	Daily	X	X	X			
R14	R14-2w	Steel	Vertical	Metal sheet	Clear	Clean	Bucket by hand	Daily			X			
R15	R15-1w	Rocks	Vertical	None	Dry	Soil, plants growing	Bucket by hand	Unused						

R15	R15-2w	Soil, plant roots	Sloping	None	Murky	Floating debris	Bucket by hand	Unused						
R16	R16-1w	Rocks with cement	Vertical	Wood board	Clear	Clean	Bucket by hand	Daily	X					X
R16	R16-2w	Rocks	Vertical	Metal sheet	Clear	Clean	Bucket by hand	Daily		X	X	X	X	
R17	R17-1w	Consolidated gravel	Vertical	None	Clear	Clean	Bucket by hand	Daily	X	X	X	X	X	X
R2	R2-1w	Rocks with cement	Vertical	None	Clear	Clean	Bucket by hand	Daily					X	X
R2	R2-2w	Concrete	Vertical	None	Clear	Clean	Hand pump, but broke	Daily	X	X	X			
R3	R3-1w	Rocks, cut PVC drum in lower part	Vertical	None	Clear	Clean	Bucket by hand	Daily					X	X
R3	R3-2w	Rocks	Vertical	None	Clear	Clean	Bucket by hand	Daily				X	X	X
R4	R4-1w	Rocks with cement	Vertical	None	Clear	Clean	Bucket by hand	Daily	X	X	X	X	X	X
R4	R4-2w	Cement blocks	Vertical	None	Clear	Clean	Bucket by hand	Daily	X	X	X			
R4	R4-3w	Mostly soil, few rocks	Sloping	None	Clear	Leaves, coconuts	Bucket by hand	Unused						
R4	R4-4w	Cut ferroconcrete drum	Vertical	Metal sheet	Clear	Clean	Bucket by hand	Sporadic	X			X		
R5	R5-1w	Rocks with little cement	Sloping	None	Clear	Clean	Bucket by hand	Daily	X	X	X	X	X	X
R6	R6-1w	Concrete	Vertical	None	Clear	Some plant debris	Bucket by hand	Daily	X			X	X	X
R6	R6-2w	Rocks	Vertical	None	Clear	Clean	Bucket by hand	Daily				X	X	
R6	R6-3w	Sand and a few cement bags	Stepwise	None	Clear	Much plant debris	Bucket by hand	Sporadic				X		
R6	R6-4w	Concrete	Vertical	None	Clear	Clean	Bucket by hand	Daily				X	X	X
R6	R6-5w	Sand, plant roots	Sloping	None	Murky	Some	Bucket by hand	Sporadic				X		
R6	R6-6w	Sand	Vertical	None	Murky	Some	Bucket by hand	Daily	X			X		
R7	R7-1w	Rocks	Vertical	None	Murky	Clean	Bucket by hand	Daily	X	X	X	X	X	X
R7	R7-2w	Concrete	Vertical	None	Clear	Some plant debris	Bucket by hand	Daily	X	X	X	X	X	X
R8	R8-1w	Rocks	Vertical	None	Clear	Clean	Bucket by hand	Daily	X				X	X
R8	R8-2w	Concrete	Vertical	None	Clear	Much plant debris	Bucket by hand	Sporadic				X		
R9	R9-1w	Rocks with cement	Vertical	None	Clear	Clean	Bucket by hand	Daily		X	X			
R22	R22-1w	Rocks, cement bags as top layer	Vertical	None	Clear	Clean	Bucket by hand	Sporadic				X		
Y1	Y1-1w	Concrete	Vertical	None	Murky	Clean	Bucket by hand	Daily	X	X	X	X	X	X
Y3	Y3-1w	Concrete	Vertical	None	Clear	Clean	Bucket by hand	Daily	X	X	X	X	X	X
Y3	Y3-2w	Rocks	Vertical	None	Murky	Clean	Bucket by hand	Daily				X		
Y5	Y5-1w	Sand and a few large stones	Sloping	None	Murky	Clean	Bucket by hand	Daily	X	X	X	X	X	X
Y5	Y5-2w	Sand, plant roots	Sloping	None	Clear	Plant debris	Bucket by hand	Daily	X	X	X	X	X	X
Y6	Y6-1w	Rocks with little cement	Vertical	None	Clear	Clean	Bucket by hand	Daily	X	X	X	X	X	X
Y7	Y7-1w	Soil and consolidated sand	Vertical	None	Murky	Old coconuts	Bucket by hand	Daily	X	X	X			
Y8	Y8-1w	Concrete	Vertical	None	Clear	Debris, jetsam	Bucket by hand	Daily	X	X	X	X	X	X
Y9	Y9-1w	Concrete	Vertical	None	Dry	Garbage	Bucket by hand	Unused						

**Note about maintenance:**

*Under "maintenance", relative clarity or murkiness of water is more an indication of surveying time (rainy vs. sunny weather) than anything else.*

**Ifalik Atoll**  
Well inventory  
Conducted by Danko Taboroši with Maria Kottermair, Mark Pekalmul, Callistus Hasefalgar, and Peter Tewasilpiy  
August 2015

**TABLE 3: Additional information and locations**

Identifiers		Additional information Specific usage or additional note	Location		
Compound number	Well number		GPS coordinates		GIS coverage
			Longitude E	Latitude N	(well shown?)
F1	F1-1w	Plants growing from the walls	144.45023	7.25740	yes
F1	F1-2w	Almost completely infilled, covered with plants	144.45039	7.25764	yes
F10	F10-1w		144.45335	7.25550	yes
F10	F10-2w		144.45320	7.25557	yes
F10	F10-3w		144.45358	7.25567	yes
F11	F11-1w		144.45384	7.25543	yes
F11	F11-2w	There is a wooden fence around the well	144.45344	7.25547	yes
F11	F11-3w	Old tank buried a few feet away from the shore	144.45301	7.25495	yes
F14	F14-1w		144.45392	7.25470	yes
F14	F14-2w	For rinsing after ocean, live fish inside	144.45318	7.25458	yes
F15	F15-1w	Men's rinse after ocean	144.45352	7.25418	yes
F16	F16-1w	Totally dry at low tide	144.45409	7.25405	yes
F16	F16-2w		144.45421	7.25391	yes
F16	F16-3w		144.45411	7.25428	yes
F17	F17-1w		144.45444	7.25333	yes
F17	F17-2w		144.45417	7.25352	yes
F18	F18-1w		144.45440	7.25287	yes
F18	F18-2w		144.45485	7.25274	yes
F19	F19-1w	Not for cooking when raining	144.44870	7.25817	yes
F3	F3-1w	Live crab observed inside	144.45105	7.25723	yes
F4	F4-1w	Pig's water and emergency supply, entire banana tree growing from the well	144.45157	7.25725	yes
F4	F4-2w	Top half reinforced with cement	144.45165	7.25738	yes
F5	F5-1w	No longer used, former residents people moved all structures to F19	144.45241	7.25650	yes
F6	F6-1w	Well used for rinsing in the past, not anymore, nearby well at F19 is used	144.45237	7.25595	yes
F7	F7-1w	Cement only at very top	144.45287	7.25607	yes
F7	F7-2w	Recycled buoy	144.45309	7.25618	yes



F7	F7-3w		144.45319	7.25639	yes
F7	F7-4w	Only for pigs' water supply	144.45309	7.25636	yes
F8	F8-1w		144.45289	7.25598	yes
F9	F9-1w		144.45345	7.25576	yes
F9	F9-2w		144.45330	7.25606	yes
F9	F9-3w		144.45336	7.25614	yes
I1	I1-1w	Men's rinse after ocean, well wall reminiscent of fortress wall	144.45402	7.24706	yes
I10	I10-1w	For dishes during rain shortages, sampled for <i>E. coli</i> during this work	144.45534	7.24499	yes
I10	I10-2w	For dishes during rain shortages	144.45541	7.24523	yes
I11	I11-1w		144.45453	7.24481	yes
I11	I11-2w		144.45466	7.24497	yes
I12	I12-1w	Rock lining in the process of construction	144.45507	7.24474	yes
I12	I12-2w		144.45532	7.24493	yes
I13	I13-1w	Plants growing inside	144.45517	7.24448	yes
I14	I14-1w	Dry well, never used, gave up digging	144.45567	7.24378	yes
I14	I14-2w	Formerly for cooking also	144.45537	7.24384	yes
I15	I15-1w	All uses before, but now very little water	144.45461	7.24529	yes
I2	I2-1w	Formerly used for shower but caused skin irritation, we observed a live chicken that fell inside	144.45472	7.24461	yes
I3	I3-1w		144.45482	7.24619	yes
I3	I3-2w		144.45433	7.24678	yes
I4	I4-1w		144.45420	7.24620	yes
I5	I5-1w		144.45539	7.24628	yes
I6	I6-1w	Dry at low tide, recycled buoy, rocks at the bottom part of the wall	144.45458	7.24573	yes
I6	I6-2w	Used at low tide when I6-1w is dry, wide base, slightly elevated	144.45430	7.24587	yes
I8	I8-1w	Men's rinse after ocean, very little water observed, probably dry at low tide	144.45409	7.24531	yes
I9	I9-1w	No water	144.45462	7.24546	yes
R1	R1-1w		144.45509	7.24967	yes
R1	R1-2w	Old backup source for school, it is dry at low tide	144.45514	7.24952	yes
R10	R10-1w		144.45490	7.25046	yes
R10	R10-2w		144.45501	7.25046	yes
R11	R11-1w		144.45499	7.25060	yes
R11	R11-2w	For rinsing after ocean, dry at low tide, close to shoreside canoe house	144.45438	7.25072	yes
R12	R12-1w		144.45484	7.25097	yes
R12	R12-2w		144.45510	7.25088	yes
R13	R13-1w		144.45476	7.25122	yes
R13	R13-2w	Men's rinse after ocean, dry at low tide	144.45453	7.25119	yes
R14	R14-1w	Used by compounds R-14 and R-15	144.45518	7.25140	yes
R14	R14-2w	Very little water observed	144.45512	7.25132	yes
R15	R15-1w	Planted with taro, abandoned	144.45519	7.25152	yes

R15	R15-2w		144.45505	7.25157	yes
R16	R16-1w		144.45483	7.25154	yes
R16	R16-2w	Beautifully arranged rock wall, very well maintained	144.45478	7.25177	yes
R17	R17-1w	Recently dug out, pile of rocks prepared on the side to be placed as lining	144.45473	7.25215	yes
R2	R2-1w	Boil to drink in emergency	144.45577	7.24957	yes
R2	R2-2w		144.45576	7.24976	yes
R3	R3-1w		144.45630	7.24973	yes
R3	R3-2w	Adjacent to a small taro patch	144.45622	7.24964	yes
R4	R4-1w		144.45533	7.25004	yes
R4	R4-2w		144.45535	7.25024	yes
R4	R4-3w	Formerly for bathing only, no longer in use	144.45532	7.25027	yes
R4	R4-4w	Canoe house use by men or by pregnant ladies staying there	144.45442	7.25012	yes
R5	R5-1w		144.45524	7.24796	yes
R6	R6-1w		144.45447	7.24826	yes
R6	R6-2w		144.45431	7.24779	yes
R6	R6-3w	Boys rinse here after ocean	144.45381	7.24821	yes
R6	R6-4w		144.45378	7.24747	yes
R6	R6-5w	Housing for pet sea turtle	144.45343	7.24784	yes
R6	R6-6w		144.45397	7.24840	yes
R7	R7-1w	Gravesite within 10 m away	144.45456	7.24895	yes
R7	R7-2w		144.45470	7.24844	yes
R8	R8-1w		144.45594	7.25148	yes
R8	R8-2w	Rinsing only, too salty to cook with	144.45594	7.25162	yes
R9	R9-1w	Cooking during shortage	144.45529	7.25134	yes
R22	R22-1w	This well is located next to the shower cabin used by visitors to Ifalik Atoll	144.45422	7.24957	yes
Y1	Y1-1w		144.45591	7.24680	yes
Y3	Y3-1w		144.45648	7.24691	yes
Y3	Y3-2w	Used by Y3, Y4, Y5, and Y7, very beautiful, ancient-looking	144.45647	7.24694	yes
Y5	Y5-1w		144.45698	7.24667	yes
Y5	Y5-2w		144.45654	7.24756	yes
Y6	Y6-1w	Water reported as salty sometimes	144.45705	7.24704	yes
Y7	Y7-1w	Also for cooking when clear and no rain	144.45686	7.24670	yes
Y8	Y8-1w		144.45652	7.24600	yes
Y9	Y9-1w	No more structures here, owner gave up cleaning due to people throwing trash inside	144.45620	7.24698	yes

**Note about GPS coordinates:**

All coordinates were recorded by Maria Kottermair using a Juno GPS unit. At the same time, one photo of each well was taken with the same unit. The only exception is well F19-1w, whose coordinates were derived from data recorded by Qstarz GPS logger.

**Ifalik Atoll**  
Well inventory

Conducted by Danko Taboroši with Maria Kottermair, Mark Pekalmul, Callistus Hasefalgar, and Peter Tewasilpiy  
August 2015

**TABLE 4: Photo references**

Identifiers		Presence of files and file names in photo collections and geotagged photo collections				Date	
Compound number	Well number	Photographs		Geotagged photo collections		field survey conducted on	
		Taken by Danko Taborosi, using Danko's Sony NEX-7	Taken by iREi's Nikon	Taken by Maria Kottermair, using Juno GPS unit	KML from Danko's photos (well shown?)		GIS from Juno GPS (well shown?)
F1	F1-1w	-	IMG1154-1158	IMG26198	yes	yes	08/19/2015
F1	F1-2w	-	IMG1160-1163	IMG26199	yes	yes	08/19/2015
F10	F10-1w	DSC03389-3392	-	IMG23165	yes	yes	08/18/2015
F10	F10-2w	DSC03394-3399	-	IMG23167	yes	yes	08/18/2015
F10	F10-3w	DSC03415-3419	-	IMG23170	yes	yes	08/18/2015
F11	F11-1w	DSC03331-3334	-	IMG23157	yes	yes	08/18/2015
F11	F11-2w	DSC03335-3338	-	IMG23163	yes	yes	08/18/2015
F11	F11-3w	DSC03339-3343	-	IMG23162	yes	yes	08/18/2015
F14	F14-1w	DSC03323-3325	-	IMG23151	yes	yes	08/18/2015
F14	F14-2w	DSC03326-3330	-	IMG23154	yes	yes	08/18/2015
F15	F15-1w	DSC03316-3321	-	IMG23148	yes	yes	08/18/2015
F16	F16-1w	DSC03188-3193	-	IMG19144	yes	yes	08/18/2015
F16	F16-2w	DSC03201-3204	-	IMG23141	yes	yes	08/18/2015
F16	F16-3w	DSC03237-3240	-	IMG19143	yes	yes	08/18/2015
F17	F17-1w	DSC03091-3095	-	IMG21135	yes	yes	08/18/2015
F17	F17-2w	DSC03102-3110	-	IMG21136	yes	yes	08/18/2015
F18	F18-1w	DSC03041-3049	-	IMG21128	yes	yes	08/18/2015
F18	F18-2w	DSC03061-3064	-	IMG21131	yes	yes	08/18/2015
F19	F19-1w	-	IMG1172-1178	-	yes	no	08/18/2015
F3	F3-1w	-	IMG1145-1149	IMG25194	yes	yes	08/19/2015
F4	F4-1w	-	IMG1137-1139	IMG25191	yes	yes	08/19/2015
F4	F4-2w	-	IMG1141-1143	IMG25193	yes	yes	08/19/2015
F5	F5-1w	-	IMG1130-1131	IMG25190	yes	yes	08/19/2015
F6	F6-1w	-	IMG1125-1127	IMG25189	yes	yes	08/19/2015
F7	F7-1w	-	IMG1104-1109	IMG24182	yes	yes	08/19/2015
F7	F7-2w	-	IMG1111-1113	IMG24183	yes	yes	08/19/2015

F7	F7-3w	-	IMG1115-1119	IMG24185	yes	yes	08/19/2015
F7	F7-4w	-	IMG1121-1124	IMG24187	yes	yes	08/19/2015
F8	F8-1w	DSC03444-3447	-	IMG23178	yes	yes	08/19/2015
F9	F9-1w	DSC03424-3428	-	IMG23172	yes	yes	08/18/2015
F9	F9-2w	DSC03432-3433	-	IMG23173	yes	yes	08/18/2015
F9	F9-3w	DSC03435-3438	-	IMG23174	yes	yes	08/18/2015
I1	I1-1w	DSC03916-3919	-	IMG35280	yes	yes	08/19/2015
I10	I10-1w	DSC03828-3830	-	IMG31236	yes	yes	08/19/2015
I10	I10-2w	DSC03831-3833	-	IMG28260	yes	yes	08/19/2015
I11	I11-1w	DSC03850-3852	-	IMG33265	yes	yes	08/19/2015
I11	I11-2w	DSC03856-3858	-	IMG33264	yes	yes	08/19/2015
I12	I12-1w	DSC03804-3808	-	IMG31251	yes	yes	08/19/2015
I12	I12-2w	DSC03853-3855	-	IMG28257	yes	yes	08/19/2015
I13	I13-1w	DSC03796-3798	-	IMG31243	yes	yes	08/19/2015
I14	I14-1w	DSC03766-3768	-	IMG31237	yes	yes	08/19/2015
I14	I14-2w	DSC03770-3774	-	IMG31240	yes	yes	08/19/2015
I15	I15-1w	DSC03859-3861	-	IMG34267	yes	yes	08/19/2015
I2	I2-1w	DSC03809-3816	-	IMG31252	yes	yes	08/19/2015
I3	I3-1w	DSC03907-3910	-	IMG35278	yes	yes	08/19/2015
I3	I3-2w	DSC03912-3915	-	IMG35279	yes	yes	08/19/2015
I4	I4-1w	DSC03895-3900	-	IMG35276	yes	yes	08/19/2015
I5	I5-1w	DSC03935-3939	-	IMG35281	yes	yes	08/19/2015
I6	I6-1w	DSC03881-3884	-	IMG34272	yes	yes	08/19/2015
I6	I6-2w	DSC03885-3891	-	IMG34274	yes	yes	08/19/2015
I8	I8-1w	DSC03862-3863	-	IMG34268	yes	yes	08/19/2015
I9	I9-1w	DSC03868-3871	-	IMG34269	yes	yes	08/19/2015
R1	R1-1w	DSC02637-2638	-	IMG1468	yes	yes	08/18/2015
R1	R1-2w	DSC02639-2643 / 2357-2361	-	IMG826	yes	yes	08/17/2015
R10	R10-1w	DSC02717-2720	-	IMG1481	yes	yes	08/18/2015
R10	R10-2w	DSC02721-2722	-	IMG1482	yes	yes	08/18/2015
R11	R11-1w	DSC02741-2745	-	IMG1486	yes	yes	08/18/2015
R11	R11-2w	DSC02747-2749	-	IMG1488	yes	yes	08/18/2015
R12	R12-1w	DSC02756-2760	-	IMG1489	yes	yes	08/18/2015
R12	R12-2w	DSC02761-2763	-	IMG1490	yes	yes	08/18/2015
R13	R13-1w	DSC02782-2784	-	IMG1594	yes	yes	08/18/2015
R13	R13-2w	DSC02826-2833	-	IMG1597	yes	yes	08/18/2015
R14	R14-1w	DSC02834-2837	-	IMG16102	yes	yes	08/18/2015
R14	R14-2w	DSC02841-2847	-	IMG16105	yes	yes	08/18/2015
R15	R15-1w	DSC02838-2840	-	IMG16104	yes	yes	08/18/2015

R15	R15-2w	DSC02934-2937	-	IMG17114	yes	yes	08/18/2015
R16	R16-1w	DSC02945-2949	-	IMG18118	yes	yes	08/18/2015
R16	R16-2w	DSC02958-2964	-	IMG19122	yes	yes	08/18/2015
R17	R17-1w	DSC03020-3027	-	IMG20123	yes	yes	08/18/2015
R2	R2-1w	DSC02383-2384	-	IMG1029	yes	yes	08/17/2015
R2	R2-2w	DSC02385-2393	-	IMG1030	yes	yes	08/17/2015
R3	R3-1w	DSC02442-2445	-	IMG1035	yes	yes	08/17/2015
R3	R3-2w	DSC02446-2454	-	IMG1036	yes	yes	08/17/2015
R4	R4-1w	DSC02669-2671	-	IMG1471	yes	yes	08/18/2015
R4	R4-2w	DSC02672-2676	-	IMG1472	yes	yes	08/18/2015
R4	R4-3w	DSC02677-2694	-	IMG1474	yes	yes	08/18/2015
R4	R4-4w	DSC02702-2706	-	IMG1478	yes	yes	08/18/2015
R5	R5-1w	DSC02516-2518	-	IMG1343	yes	yes	08/17/2015
R6	R6-1w	DSC02524-2525	-	IMG1449	yes	yes	08/17/2015
R6	R6-2w	DSC02528-2530	-	IMG1451	yes	yes	08/17/2015
R6	R6-3w	DSC02534-2539	-	IMG1452	yes	yes	08/17/2015
R6	R6-4w	DSC02544-2546	-	IMG1456	yes	yes	08/17/2015
R6	R6-5w	DSC02560-2566	-	IMG1455	yes	yes	08/17/2015
R6	R6-6w	-	-	IMG32300	no	yes	08/21/2015
R7	R7-1w	DSC02575-2577	-	IMG1458	yes	yes	08/17/2015
R7	R7-2w	DSC02581-2587	-	IMG1462	yes	yes	08/17/2015
R8	R8-1w	DSC02908-2912	-	IMG17111	yes	yes	08/18/2015
R8	R8-2w	DSC02913-2916	-	IMG17112	yes	yes	08/18/2015
R9	R9-1w	DSC02888-2891	-	IMG16108	yes	yes	08/18/2015
R22	R22-1w	-	-	IMG621	no	yes	08/15/2015
Y1	Y1-1w	DSC03585-3588	-	IMG30224	yes	yes	08/19/2015
Y3	Y3-1w	DSC03473-3479, 3487	-	IMG30214	yes	yes	08/19/2015
Y3	Y3-2w	DSC03480-3486 / 3524-3525	-	IMG27213	yes	yes	08/19/2015
Y5	Y5-1w	DSC03520-3522	-	IMG27212	yes	yes	08/19/2015
Y5	Y5-2w	DSC03612-3614	-	IMG31232	yes	yes	08/19/2015
Y6	Y6-1w	DSC03459-3464	-	IMG26204	yes	yes	08/19/2015
Y7	Y7-1w	DSC03516-3519	-	IMG27211	yes	yes	08/19/2015
Y8	Y8-1w	DSC03533-3538	-	IMG30217	yes	yes	08/19/2015
Y9	Y9-1w	DSC03603-3606	-	IMG31229	yes	yes	08/19/2015

**Note about photo:**

*In Danko's collection, photos with DSC0 prefix (taken with Sony NEX-7 camera) and IMG prefix (taken with iREI's Nikon camera) are arranged in folders named after well codes.*

*KML file called "Ifalik Atoll Well Photos" is a KML file with ALL well photos taken by Danko, both from Sony NEX-7 camera and iREI's Nikon camera.*

*All files taken by Juno GPS camera have a prefix IMG and are found in Maria's collection and GIS file with geotagged photos.*