

Location	Consent number	Max rate (l/s)	Area (ha)	Does consent currently have a minimum flow	Should the take have a minimum flow	WQN9 procedure estimated total annual volume (m³)	WQN9 estimate effective annual volume (m³)	Groundwater allocation zone	Other water take consents on same property	Would property need a deep bore (0= no, 1= yes). If existing deep well present we assumed no new well needed.
Upper Hinds	CRC052628	29	0	No	No					
Upper Hinds	CRC012123	50	0	No	No					
Upper Hinds	CRC991613	3	0	No	No					
Total		82	0							
150										
Lower Hinds	CRC951928	60	100	Yes	Yes	430000	365500	Valetta	SW only, Hinds, Boundary, Montgomerys MH	1
Lower Hinds	CRC952615.1	30	50	Yes	Yes	215500	180625	Valetta	Hinds, O'Shaughnessys, Taylors, DEEP, Va	0
Lower Hinds	CRC960115.1	33	0	Yes	Yes				SW only, Va	
Lower Hinds	CRC031603.1	33	0	Yes	Yes				SW only, Va	
Lower Hinds	CRC012026.3	224.6	81	Yes	Yes	344250	292613	Valetta	Hinds, O'Shaughnessys, Taylors, DEEP, Va	0
Lower Hinds	CRC012123	100	0	No	No					
Total		481	231		380.6	989750	838738			
150										
Middle Hinds	CRC990615.2	45	135	Yes	Yes	754272	641131	Valetta	DEEP bore too, Va	
Middle Hinds	CRC000341	65	179	Yes	Yes			Valetta	only consent, Va	
Middle Hinds	CRC951619	265	386	Yes	Yes	1563300	1328805	Mayfield-Hinds	SW only, Va	1
Middle Hinds	CRC000804.2	59.1	97	Yes	Yes				shallow gw only, MH	1
Dickson Cut off	CRC000509.2	12.0	81	Yes	Yes				DEEP bore too, Va	
Middle Hinds	CRC000398	8.2	100	No	Yes				only consent, Va	1
Middle Hinds	CRC000108.1	32.1	220	No	Yes				shallow gw only, Va used to have SW too, surrendered due to lack of water, Va	1
Middle Hinds	CRC000339.1	25.4	104	No	Yes				shallow gw in Ashburton R zone, Va	1
Middle Hinds	CRC120619	52.5	463	No	Yes				shallow gw only, Va	1
Middle Hinds	CRC000107.2	38.1	207	No	Yes				DEEP bore too, MH	1
Middle Hinds	CRC000207.1	22.1	85	No	Yes				only consent, MH	1
Middle Hinds	CRC980127	18.4	75	No	Yes				DEEP on same consent, MH	
Middle Hinds	CRC990019	39.3	322	No	Yes				DEEP on same consent, Va	
Middle Hinds	CRC001811.2	18.0	90	No	Yes				DEEP on same consent, Va	
Middle Hinds	CRC011735.6	240.0	515	No	Yes				DEEP bore too, Va	
Middle Hinds	CRC012446	24.3	99	No	Yes				only consent, MH	1
Middle Hinds	CRC000346.1	10.3	42	No	Yes				DEEP on same consent, Va	
Mulligans Cut off	CRC992039.1	78.4	250	No	Yes				DEEP on same consent, Va	
Dickson Cut off	CRC031367.1	18.7	118	No	Yes				DEEP on same consent, Va	
Dickson Cut off	CRC000834	31.6	55	No	Yes				only consent, Va	1
Middle Hinds	CRC012042.1	4.1	7	No	No					
Total		1108	3630		446.1	657.4	2317572.0	1969936.0		
80										
Min flow										
Windermere Drain	CRC962601.1	415	1004	Yes	Yes	4973816	4227744	Valetta	deep bore too	
Windermere Cut-off	CRC012123	200	0	No	No					
Newtons	CRC990922	53.4	0	No	Yes				deep bore too	
Keowns	CRC010670.2	22	210	Yes	Yes				DEEP on same consent	
Total		690			415	75.4	4973816	4227744		

Blue = gw
not counted in allocation since non-concurrent with another consent
Should have min flow but doesn't

Min flow		25					
Blees Drain	CRC951893.1	30	32	Yes	Yes	161728	137469 Valetta
Blees Drain	CRC952190.1	28	110	No	Yes	643060	546601 Valetta
Blees Drain	CRC951563.1	45	0	No	No		
Blees Drain	CRC952104.1	28	23	Yes	Yes	117668	100018 Valetta
Blees Drain	CRC951697	36	86	Yes	Yes	528900	449565 Valetta
Blees Drain	CRC001051	29	90	Yes	Yes	512640	435744 Valetta
Blees Drain	CRC012225.3	38	165	Yes	Yes	690226	586694 Valetta
Maginess	CRC011980.1	10.0	39.0	Yes	Yes		
Andersons	CRC972529.2	30	120	Yes	Yes		
Kennaughs Drain	CRC950632.2	27.9	38.0	No	Yes		
Kennaughs Drain	CRC972530	30.0	35	No	Yes		
Kennaughs Extn	CRC960963.4	5.6	184.0	No	Yes		
Maginess	CRC980236.1	7.3	32.0	No	Yes		
Maginess	CRC991975	1.3	8.0	No	No		
Maginess	CRC011824.3		7.0	No	No		
Maginess	CRC040705.3			No	No		
Laghmor	CRC021721	1.3		No	No		
Laghmor	CRC960762	1.8		No	No		
Total		349	201.0	98.8		12601854.0	10711579.0

deep bore too
deep bore too
SW and shallow gw only 1
deep bore too
deep bore too
deep bore too
DEEP on same consent
SW and shallow gw only 1
deep bore too
SW and shallow gw only 1
DEEP on same consent
only consent 1

Min flow		30					
Parakanoi Drain	CRC011645	14.2	0	No	No		
Parakanoi Drain	CRC951900	65	168	Yes	Yes	832272	707431 Valetta
Parakanoi Drain	CRC951894.2	60	184	Yes	Yes	966294	821350 Valetta
Parakanoi Drain	CRC951927.1	34	50	Yes	Yes	270200	229670 Valetta
Parakanoi Drain	CRC960189.1	26.5	41	Yes	Yes	203114	172647 Valetta
Parakanoi Drain	CRC960299.2	45	23	Yes	Yes		
Parakanoi Drain	CRC952125.1	32	115	Yes	Yes		
Parakanoi Drain	CRC952155	67	137	Yes	Yes	794600	675410 Valetta
Parakanoi Drain	CRC960188.1	5.5	11	Yes	Yes	55550	47218 Valetta
Parakanoi Drain	CRC960871	78	153	Yes	Yes	795600	676260 Valetta
Parakanoi Drain	CRC952160	54	106	Yes	Yes	572824	486900 Valetta
Parakanoi Drain	CRC012024.1	45	102	Yes	Yes	556308	472862 Valetta
Parakanoi Drain	CRC952156.2	26	76	No	Yes		
Parakanoi Drain	CRC020399.2	7	27	No	Yes		
Parakanoi Drain	CRC140415	12	80	No	No		
Parakanoi Drain	CRC001377.5	17	164	No	No		
Total		588	1437	512	33	5046762	4289748

deep bore too
deep bore too
deep bore too
only consent 1
deep bore too
only consent 1
deep bore too
only consent 1
deep bore too
SW only 1
deep bore too
DEEP on same consent
deep bore too
DEEP on same consent
deep bore too

Min flow		70					
Deals Drain	CRC012026.3	56.6	87	Yes	Yes		Valetta
Deals Drain	CRC962600.1	289	699	Yes	Yes	3497796	2973127 Valetta
Deals Drain	CRC972323.1	30	91	Yes	Yes		Valetta

deep bore too

Deals Drain	CRC012612	28	34	Yes	Yes	166736	141726	Valetta
Ferrimans	CRC951873.1	30.0	92.0	No	Yes			
Total		347	317	30.0		3664532.0	3114853.0	
10								
Dawson Drain	CRC001700	35	288	Yes	Yes	1756800	1493280	
Total		35	288	35		1756800	1493280	
25								
Flemington Drain	CRC951892.1	40	85	Yes	Yes	429590	365152	Valetta
Flemington Drain	CRC952174	28	23	Yes	Yes	117392	99783	Valetta
Flemington Drain	CRC952191	28	64	Yes	Yes	370944	315302	Valetta
Flemington Drain	CRC960868	28	42	Yes	Yes	216468	183998	Valetta
Flemington Drain	CRC951696	36	112	Yes	Yes	688800	585480	Valetta
Flemington Drain	CRC952158.1	67	125	Yes	Yes	633250	538263	Valetta
Flemington Drain	CRC951565.1	28	28	No	Yes	172200	146370	Valetta
Flemington Drain	CRC012123	100	0	No	No			
Maginess	CRC011980.1	10	39	Yes	Yes			
Upper Flemingtons	CRC136035	19	95	Yes	Yes			
Upper Flemingtons	CRC001383.1	14	82	No	Yes			
Upper Flemingtons	CRC001373.3	15	25	No	Yes			
Upper Flemingtons	CRC011815.4	30	126	No	Yes			
Upper Flemingtons	CRC960963.4	44	184	No	Yes			
Upper Flemingtons	CRC001345.4	40	138	No	Yes			
Upper Flemingtons	CRC010737.3	12		No	No			
Upper Flemingtons	CRC001347.2	4		No	No			
Upper Flemingtons	CRC010384.1	4		No	No			
Total		547	256	171		2628644	2234348	
40								
Home Paddock Drain	CRC962602.1	243	587	Yes	Yes	3463300	2943805	Valetta
McLennons West	CRC962618.1	17	50	No	Yes			
Chatmos	CRC010121.2	16	53	No	Yes			
Chatmos	CRC001486.3	31	40	No	Yes			
Chatmos	CRC951053.2	13	40	No	Yes			
Chatmos	CRC010122.2	13	35	No	Yes			
Total		333	243	90		3463300	2943805	
1								
Spicers (Highcliffe???) Drain	CRC952157	30	17	Yes	Yes	86122	73204	Valetta
Spicers (Highcliffe???) Drain	CRC960869.2	28	32	Yes	Yes	163328	138829	Valetta
Waterton Drain	CRC951608.1	37	90	No	Yes	472860	401931	Valetta
Bells Road Drain	CRC093878	33	169	Yes	Yes			
Spicers	CRC960014.1	28	136	No	Yes			
Spicers	CRC140415	17	80	No	No			
Haymans	CRC950729	3		No	No			

deep bore too

only take

1

deep bore too

deep bore too

only consent

1

deep bore too

only consent

1

deep bore too

prob need

1

deep bore too

DEEP on same consent

only consent

1

only consent

1

deep bore too

DEEP on same consent

DEEP on same consent

DEEP on same consent

Chapman	CRC012605.2	4		No	No		
Chapman	CRC041446.1	4		No	No		
Total		184		128	28	722310	613964

Min flow		25						
O'Shaughnessys Drain	CRC951249	25	18	Yes	Yes	75600	64260 Valetta	
O'Shaughnessys Drain	CRC952654.1	30	50	Yes	Yes	252700	214795 Valetta	
O'Shaughnessys Drain	CRC952616.1	30	20	Yes	Yes	99080	84218 Valetta	
O'Shaughnessys Drain	CRC960546	30	131	Yes	Yes	550200	467670 Valetta	
O'Shaughnessys Drain	CRC960285.1	25	36	Yes	Yes	178344	151592 Valetta	
O'Shaughnessys Drain	CRC960123	30	30	Yes	Yes	148620	126327 Valetta	
O'Shaughnessys Drain	CRC940895B.2	38	86	Yes	Yes	430344	365792 Valetta	
O'Shaughnessys Drain	CRC951981	12.6	26	Yes	Yes	130104	109483 Valetta	
O'Shaughnessys Drain	CRC960170.2	114	81	Yes	Yes	401274	341083 Valetta	
O'Shaughnessys Drain	CRC960116.2	33	69	Yes	Yes		Valetta	
O'Shaughnessys Drain	CRC031604	33	26	Yes	Yes		Valetta	
Kanes	CRC950054.4	26	215	No	Yes			
Total		360	788		334.6	26	2266266	1925220

O'Shaughnessys and Taylors only 1
DEEP bore too
Hinds, O'Shaughnessys, Taylors, DEEP
DEEP bore too
SW only but in Eiffelton scheme 1
only consent 1
DEEP bore too
only consent 1
Hinds, O'Shaughnessys, Taylors, DEEP
Water from Hinds River, DEEP
Water from Hinds River SW only 1
DEEP on same consent

Min flow		25						
Taylors Drain	CRC951623	85	30	Yes	Yes	123000	104550 Valetta	
Taylors Drain	CRC951250	25	77	Yes	Yes	323400	274890 Valetta	
Taylors Drain	CRC951877.1	33	47	Yes	Yes	264798	225078 Valetta	
Taylors Drain	CRC960122.1	30	33	Yes	Yes	138600	117810 Valetta	
Taylors Drain	CRC960121.1	30	31	Yes	Yes	127100	108035 Valetta	
Taylors Drain	CRC952617.1	30.3	52	Yes	Yes	218400	185640 Valetta	
Taylors Drain	CRC122277	30.3	52	Yes	Yes		Valetta	
Taylors Drain	CRC951942	45.5	12	Yes	Yes	67608	57467 Valetta	
Taylors Drain	CRC970837	35	108	Yes	Yes	448200	380970 Valetta	
Taylors Drain	CRC951621	90	85	Yes	Yes	478890	407057 Valetta	
Taylors Drain	CRC120354.1	47	175	Yes	Yes	962500	818125 Valetta	
Taylors Drain	CRC002133	17	182	No	Yes			
Barford	CRC130254	15	111	No	Yes			
Total		482	943		481.1	32	3152496	2679622

SW only 1
O'Shaughnessys and Taylors only 1
only consent 1
DEEP bore too
only consent 1
Hinds, O'Shaughnessys, Taylors, DEEP
SW only 1
only consent 1
DEEP bore too
SW only 1
DEEP bore too
only consent 1
DEEP on same consent

Min flow		210					
Northern Drain	CRC971570	32	41	Yes	Yes	172200	146370 Mayfield-Hinds
Northern Drain	CRC951102.1	38	68	Yes	Yes	285600	242760 Mayfield-Hinds
Northern Drain	CRC952618.1	30	18	Yes	Yes	75600	64260 Mayfield-Hinds
Northern Drain	CRC952136	26	96	Yes	Yes	428928	364589 Mayfield-Hinds
Northern Drain	CRC001155.1	30	179	Yes	Yes	785452	677634 Mayfield-Hinds
Northern Drain	CRC971569.1	80	136	Yes	Yes	660144	561122 Mayfield-Hinds
Northern Drain	CRC131868	50		Yes	Yes	1198938	1019097 Mayfield-Hinds
Northern Drain	CRC050915.3	70	247	Yes	Yes	1198938	1019097 Mayfield-Hinds
Northern Drain	CRC000602.2	13	79	Yes	Yes		

DEEP bore too
only consent 1
SW only 1
DEEP bore too
DEEP bore too
DEEP bore too
DEEP bore too
DEEP bore too

Northern Drain	CRC131520	21		Yes	Yes
Bishops	CRC131519	28	274	Yes	Yes
Northern Drain	CRC093403	14	270	Yes	Yes
Northern Drain	CRC001779.8	53	314	Yes	Yes
Bishops	CRC000600.1	10	70	Yes	Yes
Herridges	CRC000601.1	12	51	Yes	Yes
Fifty Link	CRC062827	9	82	Yes	Yes
Northern Drain	CRC000418.1	14	50	No	Yes
Northern Drain	CRC000232.2	43	158	No	Yes
Northern Drain	CRC020891	7	22	No	Yes
Moffats	CRC021606	29	72	No	Yes
Moffats	CRC000606	15	42	No	Yes
Moffats	CRC021386.1	16	120	No	Yes
Boultons	CRC952647.1	23	74	No	Yes
McDowells	CRC951153	6	0	No	No
Northern Drain	CRC093403	58	270	No	No
Northern Drain	CRC012559.1	4	19	No	No
Moffats	CRC980277.1	15	95	No	No
Total		746	2847	515	154

4805800 4094929

Min flow	150				
Boundary Drain	CRC952546.1	35	56	Yes	Yes
Boundary Drain	CRC980359	34	120	Yes	Yes
Boundary Drain	CRC951932	45	115	Yes	Yes
Boundary Drain	CRC952205	45	139	Yes	Yes
Boundary Drain	CRC951602	34	43	Yes	Yes
Boundary Drain	CRC952202	38	59	Yes	Yes
Boundary Drain	CRC952083.3	65	175	Yes	Yes
Boundary Drain	CRC951978	38	37	Yes	Yes
Boundary Drain	CRC952326.1	40	100	Yes	Yes
Boundary Drain	CRC960269	105	95	Yes	Yes
Boundary Drain	CRC952161	145	0	Yes	Yes
Boundary Drain	CRC980005	38	48	Yes	Yes
Boundary Drain	CRC061336	32	52	Yes	Yes
Weilys	CRC020333.1	13	31	Yes	Yes
Boundary Drain	CRC980360	23	120	No	Yes
Dalys	CRC951549.1	7	57	No	Yes
Dalys	CRC093619	42	143	No	Yes
Dalys	CRC000648.5	47	130	No	Yes
Dalys	CRC120062	47	275	No	Yes
Dalys	CRC042481.4	28	215	No	Yes
Weilys	CRC952545.2	43	112	No	Yes
Weilys	CRC981516.5	25	80	No	Yes

DEEP on same consent
DEEP on same consent
DEEP on same consent
DEEP on same consent
DEEP bore too
DEEP on same consent
DEEP bore too
DEEP bore too

only consent 1

only consent

only consent 1

DEEP on same consent

DEEP on same consent

DEEP on same consent

DEEP on same consent

DEEP on same consent

DEEP bore too

DEEP bore too

DEEP bore too

deep bore too

deep bore too

SW only, Hinds, Boundary, Montgomerys 1

SW only 1

DEEP bore too

SW only 1

SW only 1

SW only 1

SW only 1

SW only 1

SW only 1

SW only 1

SW only 1

SW only 1

deep bore too

deep bore too

only consent 1

DEEP on same consent

deep bore too

only consent 1

DEEP on same consent

deep bore too

deep bore too

Min flow		50								
Harris Drain	CRC054626.3	38	104	Yes	Yes			Mayfield-Hinds		
Harris Drain	CRC951738	38	104	Yes	Yes	576160	489736	Mayfield-Hinds	SW only 1	
Harris Drain	CRC054880.3	38	84	Yes	Yes			Mayfield-Hinds		
Harris Drain	CRC961300.2	38	84	Yes	Yes	508200	431970	Mayfield-Hinds	1 deep 1	
Harris Drain	CRC012624.3	38	142	Yes	Yes	873300	742305	Mayfield-Hinds	SW only 1	
Harris Drain	CRC054517.2	38	246	Yes	Yes	1362840	1158414	Mayfield-Hinds	SW only 1	
Harris Drain	CRC990023.4	38	62	Yes	Yes	375100	318835	Mayfield-Hinds	2 deep 1	
Harris Drain	CRC980088.2	18.1	60.0	No	Yes				DEEP on same consent	
Harris Drain	CRC990482	39.6	171	No	Yes				deep bore too	
Harris Drain	CRC041118.2	12.4	360	No	Yes				DEEP on same consent	
Total		260	190	70.1	3695600.0	3141260.0				
Min flow		50								
Yeatmans Drain	CRC054882.3	34	48	Yes	Yes	292800	248880	Mayfield-Hinds	1 deep 1	
Yeatmans Drain	CRC951739.2	38	101	No	Yes	616100	523685	Mayfield-Hinds	1 deep 1	
Yeatmans Drain	CRC054879.3	38	101	Yes	Yes			Mayfield-Hinds		
Yeatmans Drain	CRC001019.1	34	48	Yes	Yes			Mayfield-Hinds		
Total		72	149	34	38	908900	772565			
Min flow		110								
Crows Drain	CRC951222.2	36	62	Yes	Yes	337280	286688	Mayfield-Hinds	only consent 1	
Crows Drain	CRC992047.1	59	25	Yes	Yes	137250	116663	Mayfield-Hinds	deep bore too	
Crows Drain	CRC094026.2	30	49	Yes	Yes				2-deep	
Crows Drain	CRC054283.3	137	227	Yes	Yes	1246230	1059296	Mayfield-Hinds	DEEP on same consent	
Crows Drain	CRC001057.3	36	150	No	Yes				deep bore too	
Crows Drain	CRC050352	16	60	No	Yes				only consent 1	
Total		314	262	52	1720760	1462647				
Min flow		25								
Goldstream Drainage Area (Moffats drain)	CRC951808.1	240	60	Yes	Yes				only consent	
Total										
Min flow		10								
Griggs Drain	CRC952084.2	65	175	Yes	Yes	839200	759220	Mayfield-Hinds	SW only 1	
Griggs Drain	CRC952328.1	35	70	Yes	Yes	357280	303688	Mayfield-Hinds	SW only 1	
Total		100	245	100	1196480	1062908				
Min flow		50								
Pyes Drain	CRC960087.2	25	15	No	Yes	86190	73262	Mayfield-Hinds	SW only 1	
Pyes Drain	CRC135210	261	265	Yes	Yes	1284720	1092012	Mayfield-Hinds	deep bore too	
Pyes Drain	CRC981630.1	43.7	170.0	No	Yes				shallow and SW only 1	
Pyes Drain	CRC952108.3	17.1	70.0	No	Yes				shallow and SW only 1	
Trig pole	CRC122552	1		No	Yes				DEEP on same consent	
Total		348	261	86.8	1370910.0	1165274.0				
Min flow		50								
Oakdale Drain	CRC110486	29	140	Yes	Yes	861000	731850	Mayfield-Hinds	only SW and shallow GW 1	

Not in attributes

Oakdale Drain	CRC020325.4	29	51	Yes	Yes	
Oakdale Drain	CRC060976.1	14.1	57	Yes	Yes	
Oakdale Drain	CRC020010.1	14.7	48	No	Yes	
Oakdale Drain	CRC133211	41.6	260	No	Yes	
Oakdale Drain	CRC000956	15.9	73	No	Yes	
Oakdale Drain	CRC030145	11.1	90	No	Yes	
Oakdale Drain	CRC110816	32.2		No	Yes	
Oakdale Drain	CRC011780.3	2.1		No	No	
Total		190	72.1	115.5	1138848	968021

277848

236171 Mayfield-Hinds

2 deep

1

deep bore too
 deep bore too
 only shallow GW
 only SW and shallow GW
 deep bore too
 DEEP on same consent

Number

Total SW for stockwater 7
 Total SD for stockwater 3
 Total SW for irrigation 116
 Total SD for irrigation 111
 Surface takes that need a deep bore 67
 SD takes that need a deep bore 34
 Valetta SW takes that need a deep bore 23
 MH SW takes that need a deep bore 44
 Hinds 3

 Total SD for irrigation that have min flow 21
 Total SD for irrigation that need min flow 73
 Total SD for irrigation that neither have nor need min flow 17
 SD with deep bore

21+73 need min flow, 21 already have.