

CHLORIDES (PPM) FOR KONA WELLS
SAMPLING PERIOD: OCTOBER - DECEMBER 2015

WELL NAME	WELL ID	PUMP GPM	10/12/15	10/13/15	10/15/15	10/27/15	11/06/15	11/08/15	11/09/15	11/12/15	12/02/15	12/03/15	12/04/15	12/08/15
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KAHALU'U WELLS

"A"	8-3557-001	700	230.0											
"B"	8-3557-002	700					220.0				260.0			
"C"	8-3557-003	700	165.0				162.0				107.0			
"D"	8-3557-004	1000	300.0				282.0				304.0			

KAHALU'U SHAFT

"TOP"	8-3557-005	1400		280.0					420.0			320.0		
"LEFT"	8-3557-005	1400		170.0					180.0			180.0		
"RIGHT"	8-3557-005	1400		260.0					320.0			250.0		

KE'EI WELLS

"A"	8-2573-001	300												
"B"	8-2573-002	300	300.0						320.0			430.0		
"C"	8-2653-001	300	73.0					69.0					73.0	
"D"	8-2753-003		7.0					4.0					6.0	

KALAOA WELL	8-4358-001	300	13.0				12.0				12.0			
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HŌLUALOA WELL	8-3657-001	500												
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KEAHUOLŪ (QLT)	8-4057-001		10.0				4.0				9.0			
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HALEKI'I WELL	8-3155-002													
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HONOKŌHAU	8-4158-002													
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HUALĀLAI	8-4258-003					13.0				10.0	12.0			
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WAI'AHA	8-3857-004			8.0			3.0						8.0	
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KEOPU	8-3957-001				9.0									10.0
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PALANI WELL	8-4158-003			13.0			8.0				10.0			
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CHLORIDES (PPM) FOR KONA WELLS
SAMPLING PERIOD: JULY - SEPTEMBER 2015

WELL NAME	WELL ID	PUMP GPM	07/08/15	07/09/15	07/10/15	08/06/15	08/07/15	09/01/15	09/02/15	09/03/15	09/17/15
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KAHALU'U WELLS

"A"	8-3557-001	700		134.0		141.0		159.0			
"B"	8-3557-002	700		260.0		270.0					
"C"	8-3557-003	700		141.0		164.0			173.0		
"D"	8-3557-004	1000		283.0		303.0		276.0			

KAHALU'U SHAFT

"TOP"	8-3557-005	1400			390.0		410.0			390.0	
"LEFT"	8-3557-005	1400			220.0		210.0			180.0	
"RIGHT"	8-3557-005	1400			400.0		330.0			290.0	

KE'EI WELLS

"A"	8-2573-001	300									
"B"	8-2573-002	300	340.0			340.0			450.0		
"C"	8-2653-001	300		68.0			69.0		67.0		
"D"	8-2753-003			4.0		5.0			4.0		

KALAOA WELL	8-4358-001	300		10.0		10.0			10.0		
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HÖLUALOA WELL	8-3657-001	500									
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KEAHUOLŪ (QLT)	8-4057-001			6.0		7.0				6.0	
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HALEKI'I WELL	8-3155-002			5.0		5.0					
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HONOKŌHAU	8-4158-002			8.0							
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HUALĀLAI	8-4258-003										
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WAI'AHA	8-3857-004			6.0		6.0			7.0		
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KEOPU	8-3957-001			6.0		7.0					6.0
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PALANI WELL	8-4158-003					9.0			9.0		
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CHLORIDES (PPM) FOR KONA WELLS
 SAMPLING PERIOD: APRIL - JUNE 2015

WELL NAME	WELL ID	PUMP GPM	04/09/15	04/12/15	04/13/15	04/16/15	04/27/15	05/07/15	05/08/15	05/12/15	05/14/15	06/04/15	06/05/15	06/09/15
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KAHALU'U WELLS

"A"	8-3557-001	700	215.0					255.0				242.0		
"B"	8-3557-002	700										200.0		
"C"	8-3557-003	700	120.0					132.0				102.0		
"D"	8-3557-004	1000	280.0					278.0				291.0		

KAHALU'U SHAFT

"TOP"	8-3557-005	1400			480.0						450.0		460.0	
"LEFT"	8-3557-005	1400			180.0						220.0		190.0	
"RIGHT"	8-3557-005	1400			440.0						460.0		310.0	

KE'EI WELLS

"A"	8-2573-001	300												
"B"	8-2573-002	300			360.0					330.0				
"C"	8-2653-001	300			70.0			69.0				69.0		
"D"	8-2753-003			4.0				4.0						5.0

KALAOA WELL	8-4358-001	300	10.0					10.0				10.0		
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HÖLUALOA WELL	8-3657-001	500												
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KEAHUOLŪ (QLT)	8-4057-001		7.0					7.0				6.0		
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HALEKI'I WELL	8-3155-002		5.0					5.0				5.0		
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HONOKŌHAU	8-4158-002											8.0		
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HUALĀLAI	8-4258-003													
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WAI'AHA	8-3857-004					6.0		6.0				5.0		
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KEOPU	8-3957-001						6.0		6.0				6.0	
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CHLORIDES (PPM) FOR KONA WELLS
 SAMPLING PERIOD: JANUARY - MARCH 2015

WELL NAME	WELL ID	PUMP GPM	01/07/15	01/09/15	01/22/15	01/28/15	02/03/15	02/04/15	02/24/15	03/06/15	03/10/15	03/13/15	03/16/15
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KAHALU'U WELLS

"A"	8-3557-001	700	242.0				258.0				235.0		
"B"	8-3557-002	700										330.0	
"C"	8-3557-003	700	116.0				133.0				109.0		
"D"	8-3557-004	1000	297.0				259.0				289.0		

KAHALU'U SHAFT

"TOP"	8-3557-005	1400			400.0				470.0	430.0			
"LEFT"	8-3557-005	1400			160.0				170.0	180.0			
"RIGHT"	8-3557-005	1400			380.0				400.0	370.0			

KE'EI WELLS

"A"	8-2573-001	300											
"B"	8-2573-002	300				300.0							
"C"	8-2653-001	300				61.0						67.0	
"D"	8-2753-003		4.0					5.0				4.0	

KALAOA WELL	8-4358-001	300	9.0					9.0			9.0		
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HÖLUALOA WELL	8-3657-001	500											
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KEAHUOLŪ (QLT)	8-4057-001		6.0					7.0			6.0		
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HALEKI'I WELL	8-3155-002		5.0				5.0				4.0		
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HONOKŌHAU	8-4158-002												
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HUALĀLAI	8-4258-003												
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WAI'AHA	8-3857-004		5.0					5.0			6.0		
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KEOPU	8-3957-001			6.0				7.0					7.0
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CHLORIDES (PPM) FOR KONA WELLS
 SAMPLING PERIOD: OCTOBER - DECEMBER 2014

WELL NAME	WELL ID	PUMP GPM	10/09/14	10/12/14	10/14/14	10/15/14	11/10/14	11/12/14	11/13/14	11/17/14	12/03/14	12/11/14
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KAHALU'U WELLS

"A"	8-3557-001	700	208.0				212.0				235.0	
"B"	8-3557-002	700										
"C"	8-3557-003	700	110.0				99.0				123.0	
"D"	8-3557-004	1000					257.0				249.0	

KAHALU'U SHAFT

"TOP"	8-3557-005	1400				410.0			410.0			490.0
"LEFT"	8-3557-005	1400				340.0			180.0			170.0
"RIGHT"	8-3557-005	1400				190.0			320.0			380.0

KE'EI WELLS

"A"	8-2573-001	300										
"B"	8-2573-002	300										
"C"	8-2653-001	300										
"D"	8-2753-003				4.0		4.0				4.0	

KALAOA WELL	8-4358-001	300	8.0				9.0				9.0	
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HÖLUALOA WELL	8-3657-001	500	220.0									
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KEAHUOLŪ (QLT)	8-4057-001		5.0				7.0				7.0	
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HALEKI'I WELL	8-3155-002		4.0				5.0				5.0	
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HONOKŌHAU	8-4158-002											
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HUALĀLAI	8-4258-003											
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WAI'AHA	8-3857-004			5.0						6.0	6.0	
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KEOPU	8-3957-001			5.0				8.0			7.0	
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CHLORIDES (PPM) FOR KONA WELLS

SAMPLING PERIOD: APRIL - JUNE 2014

WELL NAME	WELL ID	PUMP GPM	04/03/14	05/08/14	05/09/14	05/19/14	06/05/14	06/06/14	06/08/14	06/09/14	06/15/14
KAHALU'U WELLS											
"A"	3557-01	700	183.0	128.0			149.0				
"B"	3557-02	700	180.0								
"C"	3557-03	700	139.0	132.0			129.0				
"D"	3557-04	1000									
KAHALU'U SHAFT											
"TOP"	3557-05	1400	310.0		370.0			310.0			
"LEFT"	3557-05	1400	130.0		170.0			140.0			
"RIGHT"	3557-05	1400	260.0		350.0			260.0			
KE'EI WELLS											
"A"	2573-01	300									
"B"	2573-02	300									
"C"	2653-01	300									
"D"	2753-03		3.0	4.0							3.0
KALAOA WELL	4358-01	300	9.0	9.0			9.0				
HŌLUALOA WELL	3657-01	500	250.0	240.0			210.0				
KEAHUOLŪ (QLT)	4057-01		6.0	6.0			5.0				
HALEKI'I WELL	3155-02		3.0	4.0			4.0				
HONOKŌHAU	4060-01		7.0	8.0			8.0				
HUALĀLAI	4258-0										
WAI'AHA			5.0			5.0				5.0	
KEOPU			6.0	5.0					6.0		

CHLORIDES (PPM) FOR KONA WELLS
 SAMPLING PERIOD: JANUARY - MARCH 2014

WELL NAME	WELL ID	PUMP GPM	01/09/14	01/10/14	02/05/14	02/13/14	02/14/14	03/05/14	03/10/14	03/14/14
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KAHALU'U WELLS

"A"	3557-01	700	114.0		88.0			188.0		
"B"	3557-02	700	180.0		170.0			170.0		
"C"	3557-03	700	132.0		126.0			133.0		
"D"	3557-04	1000								

KAHALU'U SHAFT

"TOP"	3557-05	1400		330.0			340.0			350.0
"LEFT"	3557-05	1400		150.0			140.0			160.0
"RIGHT"	3557-05	1400		280.0			350.0			320.0

KE'EI WELLS

"A"	2573-01	300								
"B"	2573-02	300								
"C"	2653-01	300								
"D"	2753-03		3.0		3.0				4.0	

KALAOA WELL	4358-01	300		8.0	8.0			9.0		
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HŌLUALOA WELL	3657-01	500	250.0		230.0			230.0		
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KEAHUOLŪ (QLT)	4057-01		5.0		6.0			6.0		
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HALEKI'I WELL	3155-02		3.0		4.0			4.0		
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HONOKŌHAU	4060-01		7.0		8.0			8.0		
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HUALĀLAI	4258-0									
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WAI'AHA			4.0			6.0			5.0	
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KEOPU			5.0		5.0			6.0		
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CHLORIDES (PPM) FOR KONA WELLS
SAMPLING PERIOD: OCTOBER - DECEMBER 2013

WELL NAME	WELL ID	PUMP GPM	10/02/13	10/04/13	10/14/13	10/15/13	11/07/13	11/08/13	12/05/13	12/06/13	12/18/13
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KAHALU'U WELLS

"A"	3557-01	700	147.0				140.0		165.0		
"B"	3557-02	700	150.0				160.0		170.0		
"C"	3557-03	700	127.0				118.0		125.0		
"D"	3557-04	1000									

KAHALU'U SHAFT

"TOP"	3557-05	1400	320.0					400.0	420.0		
"LEFT"	3557-05	1400				130.0		160.0	200.0		
"RIGHT"	3557-05	1400				280.0		320.0	320.0		

KE'EI WELLS

"A"	2573-01	300									
"B"	2573-02	300									
"C"	2653-01	300									
"D"	2753-03		3.0				4.0			4.0	

KALAOA WELL	4358-01	300	7.0				9.0		9.0		
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HÖLUALOA WELL	3657-01	500	220.0				240.0		270.0		
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KEAHUOLŪ (QLT)	4057-01		4.0				6.0		6.0		
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HALEKI'I WELL	3155-02		3.0				4.0			5.0	
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HONOKŌHAU	4060-01		6.0				7.0		8.0		
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HUALĀLAI	4258-0										
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WAI'AHA					4.0		5.0				5.0
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KEOPU				4.0			6.0		6.0		
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CHLORIDES (PPM) FOR KONA WELLS
SAMPLING PERIOD: JULY - SEPTEMBER 2013

WELL NAME	WELL ID	PUMP GPM	07/08/13	07/09/13	07/10/13	08/07/13	08/08/13	09/06/13
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KAHALU'U WELLS

"A"	3557-01	700	206.0			184.0		163.0
"B"	3557-02	700						140.0
"C"	3557-03	700	99.0			121.0		
"D"	3557-04	1000						93.0

KAHALU'U SHAFT

"TOP"	3557-05	1400	300.0			320.0		340.0
"LEFT"	3557-05	1400			120.0		130.0	
"RIGHT"	3557-05	1400			200.0		290.0	

KE'EI WELLS

"A"	2573-01	300						
"B"	2573-02	300						
"C"	2653-01	300						
"D"	2753-03		4.0			4.0		3.0

KALAOA WELL	4358-01	300	9.0			10.0		9.0
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HÖLUALOA WELL	3657-01	500	160.0			180.0		220.0
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KEAHUOLŪ (QLT)	4057-01		5.0			6.0		5.0
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HALEKI'I WELL	3155-02		4.0			4.0		3.0
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HONOKŌHAU	4060-01		8.0			8.0		7.0
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HUALĀLAI	4258-0							
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WAI'AHA					5.0		6.0	5.0
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KEOPU				5.0		6.0		5.0
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CHLORIDES (PPM) FOR KONA WELLS
SAMPLING PERIOD: APRIL - JUNE 2013

WELL NAME	WELL ID	PUMP GPM	04/09/13	04/16/13	04/17/13	05/13/13	05/21/13	06/28/13
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KAHALU'U WELLS

"A"	3557-01	700			121.0		186.0	219.0
"B"	3557-02	700						
"C"	3557-03	700			94.0		78.0	115.0
"D"	3557-04	1000						

KAHALU'U SHAFT

"TOP"	3557-05	1400	380.0				360.0	290.0
"LEFT"	3557-05	1400	160.0				170.0	150.0
"RIGHT"	3557-05	1400	350.0				340.0	240.0

KE'EI WELLS

"A"	2573-01	300						
"B"	2573-02	300				360.0		
"C"	2653-01	300				58.0		
"D"	2753-03			4.0			5.0	3.0

KALAOA WELL	4358-01	300			11.0		9.0	9.0
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HÖLUALOA WELL	3657-01	500			190.0			
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KEAHUOLŪ (QLT)	4057-01				7.0		7.0	5.0
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HALEKI'I WELL	3155-02			6.0			5.0	3.0
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HONOKŌHAU	4060-01				9.0		8.0	7.0
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HUALĀLAI	4258-0							
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WAI'AHA				7.0			5.0	5.0
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KEOPU					7.0		5.0	6.0
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CHLORIDES (PPM) FOR KONA WELLS
 SAMPLING PERIOD: JANUARY - MARCH 2013

<u>WELL NAME</u>	<u>WELL ID</u>	<u>PUMP GPM</u>	<u>01/10/13</u>	<u>01/13/13</u>	<u>01/14/13</u>	<u>01/22/13</u>	<u>02/06/13</u>	<u>02/07/13</u>	<u>03/06/13</u>	<u>03/14/13</u>	<u>03/19/13</u>	<u>03/20/13</u>
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KAHALU'U WELLS

"A"	3557-01	700	238.0				143.0		159.0			
"B"	3557-02	700	170.0				150.0		160.0			
"C"	3557-03	700	139.0				49.0		102.0			
"D"	3557-04	1000										

KAHALU'U SHAFT

"TOP"	3557-05	1400	410.0				350.0		330.0			
"LEFT"	3557-05	1400				190.0		150.0		190.0		
"RIGHT"	3557-05	1400				370.0		280.0		340.0		

KE'EI WELLS

"A"	2573-01	300										
"B"	2573-02	300										320.0
"C"	2653-01	300										55.0
"D"	2753-03			5.0			5.0		4.0			

KALAOA WELL	4358-01	300	11.0				12.0		11.0			
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HÖLUALOA WELL	3657-01	500									130.0	
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KEAHUOLŪ (QLT)	4057-01		7.0				8.0		7.0			
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HALEKI'I WELL	3155-02		6.0				5.0		5.0			
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HONOKŌHAU	4060-01		10.0				11.0		9.0			
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HUALĀLAI	4258-0											
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WAI'AHA			6.0					6.0			6.0	
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KEOPU					7.0			7.0			7.0	
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