

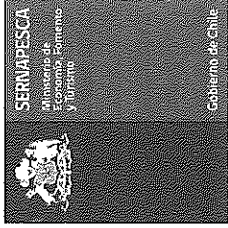
División de Acuicultura

Informe UAGPA N° 29  
Fecha: 28 de marzo de 2017  
Análisis de presencia de Banco Natural

Pert	profundidad de análisis	especie indicada en informe	Especie o grupo a evaluar	m <sup>2</sup> um (1)	m <sup>2</sup> um (2)	m <sup>2</sup> um (3)	m <sup>2</sup> Promedio	frecuencia de ocurrencia UM Con Rec/UM totales	% area muestreable	IPBAN	IPBANMax	Evaluación
213122287	hasta 30 m	-	-	-	-	-	-	-	0	-	-	No se buceó

Obs: Se constata según Informe de Inspección de Terreno, que en la zona inspeccionada se cuenta con profundidades superiores a 30 metros, por lo que no se buceó.

**EDUARDO ANDERSON GERMAIN**  
Jefe Unidad Análisis y Gestión de Procesos de Acuicultura



Formulario de resultados de la evaluación directa de recursos  
hidrobiológico bentónicos

Presencia de Recursos  Profundidad  Accidente Geográfico  Tipo de Fondo

Solicitud N° **213122287**  
Solicitante **Kelp Chile Centro S.A.**

Región **XII** Comuna **Natales** Area o Localidad **Península Antonio Varas, Al Noroeste De Isla Humberto, Sector 87**

Fecha **18-nov-15** Hora Inicio **12:28** Embarcación **Explorador Patagonia**  
Hora Término **13:49** CB **2279**

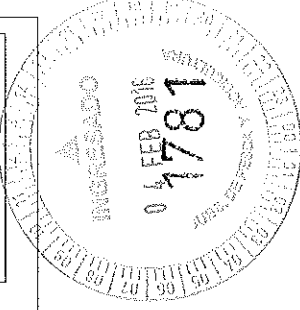
Carta **Shoa 10600 (Datum SAD69)** Area **25,00 Hás**

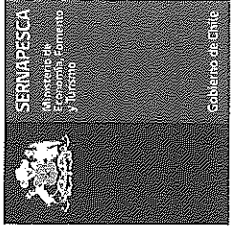
Coordenadas Geográficas Carta Shoa 10600 :	Vértice	Latitud	Longitud
	A	51° 48' 23,70" S	72° 48' 14,84" O
	B	51° 48' 30,43" S	72° 47' 51,11" O
	C	51° 48' 45,14" S	72° 48' 01,97" O
	D	51° 48' 38,41" S	72° 48' 25,70" O

Observaciones (A notar situaciones u observaciones que expliquen o refuercen la inspección realizada)

Superficie muestreable aprox. : **0** %

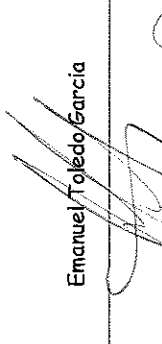

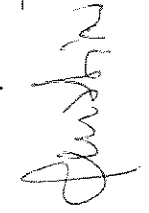
Prof. Máxima **189** Observ. **189** Prof. Mínima **186** Observ. **187**  
Ajustada **187** Ajustada **187**





Posición geográfica de los extremos de las unidades de Muestreo (boyerines)

	Latitud	Longitud	Latitud	Longitud
Transecta N°1	_____	_____	_____	_____
Transecta N°2	_____	_____	_____	_____
Transecta N°3	_____	_____	_____	_____
Transecta N°4	_____	_____	_____	_____
Transecta N°5	_____	_____	_____	_____
Transecta N°6	_____	_____	_____	_____

Nombre Inspector	Emanuel Toledo Garcia	Nombre Capitán/ Barco	Hector Díaz
Firma Inspector		Firma Capitán/ Barco	
			

SOFTWARE NAME & VERSION  
GPSU 5 11 1 REGISTERED to 'Exploradores Patagonia (Hector Diaz Diaz)'

HUSO	Eastng	Northng	Profundidad (m)	seconds	PERT	Distancia Pto. Inicio (m)
18F	651825	4257954	186	1	213122287	
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18F	651808	4257963	187	0	0	19
18F	651804	4257965	187	0	0	24
18F	651801	4257966	184	0	0	27
18F	651799	4257967	186	0	0	29
18F	651797	4257968	185	0	0	32
18F	651792	4257969	187	0	0	36
18F	651790	4257970	185	0	0	39
18F	651782	4257972	186	0	0	46
18F	651769	4257977	186	0	0	61
18F	651765	4257980	188	0	0	66
18F	651762	4257981	187	0	0	68
18F	651760	4257982	188	0	0	71
18F	651754	4257986	186	0	0	78
18F	651743	4257991	186	0	0	90
18F	651741	4257992	184	0	0	93
18F	651738	4257993	187	0	0	95
18F	651732	4257996	186	0	0	102
18F	651730	4257997	185	0	0	105
18F	651725	4258000	186	0	0	110
18F	651723	4258001	184	0	0	112
18F	651717	4258004	187	0	0	120
18F	651712	4258007	187	0	0	125
18F	651710	4258008	184	0	0	127
18F	651705	4258010	186	0	0	132
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18F	651427	4257877	187	0	0	1764
18F	651432	4257874	184	0	0	1770
18F	651435	4257872	187	0	0	1773
18F	651440	4257868	185	0	0	1779
18F	651445	4257865	188	0	0	1785
18F	651450	4257862	184	0	0	1791
18F	651455	4257859	185	0	0	1797
18F	651458	4257858	185	0	0	1800
18F	651461	4257856	187	0	0	1803
18F	651463	4257855	185	0	0	1807
18F	651466	4257854	187	0	0	1810
18F	651475	4257850	184	0	0	1819
18F	651483	4257847	187	0	0	1828
18F	651486	4257846	185	0	0	1831
18F	651495	4257842	186	0	0	1840
18F	651500	4257839	184	0	0	1846
18F	651506	4257837	187	0	0	1852
18F	651511	4257834	187	0	0	1859
18F	651514	4257832	186	0	0	1862
18F	651519	4257829	187	0	0	1868
18F	651522	4257828	185	0	0	1871
18F	651528	4257825	185	0	0	1877
18F	651530	4257824	183	0	0	1880
18F	651534	4257823	187	0	0	1883
18F	651542	4257819	187	0	0	1893
18F	651548	4257816	187	0	0	1899
18F	651550	4257815	185	0	0	1902
18F	651559	4257811	185	0	0	1911
18F	651562	4257810	187	0	0	1914
18F	651564	4257808	185	0	0	1918
18F	651570	4257806	185	0	0	1924
18F	651581	4257801	187	0	0	1936
18F	651584	4257799	186	0	0	1939
18F	651589	4257797	186	0	0	1945
18F	651595	4257794	185	0	0	1951
18F	651598	4257793	187	0	0	1954
18F	651603	4257790	187	0	0	1961
18F	651606	4257789	185	0	0	1964
18F	651609	4257788	186	0	0	1967
18F	651632	4257778	186	0	0	1992
18F	651641	4257775	184	0	0	2001
18F	651646	4257772	187	0	0	2007
18F	651652	4257770	187	0	0	2013
18F	651655	4257769	184	0	0	2016
18F	651661	4257766	184	0	0	2022
18F	651664	4257765	187	0	0	2026
18F	651666	4257764	185	0	0	2029

18F		651672	4257762	185	0	0	2035
18F		651675	4257760	187	0	0	2038
18F		651681	4257758	184	0	0	2044
18F		651686	4257755	186	0	0	2050
18F		651698	4257750	184	0	0	2063
18F		651700	4257749	186	0	0	2066
18F		651706	4257747	184	0	0	2072
18F		651711	4257743	186	0	0	2078
18F		651726	4257726	185	0	0	2100
18F		651727	4257724	187	0	0	2103
18F		651728	4257722	184	0	0	2105
18F		651728	4257712	187	0	0	2115
18F		651728	4257710	185	0	0	2117
18F		651723	4257695	186	0	0	2133
18F		651722	4257693	184	0	0	2135
18F		651720	4257689	186	0	0	2139
18F		651716	4257681	186	0	0	2149
18F		651715	4257679	184	0	0	2151
18F		651712	4257675	186	0	0	2156
18F		651710	4257674	184	0	0	2158
18F		651708	4257672	186	0	0	2160
18F		651703	4257668	187	0	0	2167
18F		651699	4257666	184	0	0	2172
18F		651697	4257665	186	0	0	2174
18F		651692	4257664	186	0	0	2178
18F		651681	4257663	186	0	0	2189
18F		651677	4257664	184	0	0	2194
18F		651673	4257665	186	0	0	2198
18F		651671	4257666	184	0	0	2200
18F		651669	4257667	186	0	0	2203
18F		651667	4257668	185	0	0	2205
18F		651665	4257669	186	0	0	2207
18F		651661	4257671	184	0	0	2212
18F		651658	4257672	186	0	0	2214
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18F		651642	4257681	187	0	0	2233
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18F		651628	4257687	186	0	0	2248
18F		651619	4257691	186	0	0	2258
18F		651617	4257692	185	0	0	2260
18F		651605	4257696	187	0	0	2273
18F		651601	4257698	184	0	0	2278
18F		651596	4257700	188	0	0	2283
18F		651584	4257705	185	0	0	2295
18F		651582	4257706	187	0	0	2298
18F		651577	4257708	184	0	0	2303

18F		651567	4257712	187	0	0	2313
18F		651558	4257716	184	0	0	2324
18F		651555	4257717	187	0	0	2326
18F		651544	4257722	186	0	0	2339
18F		651542	4257724	185	0	0	2342
18F		651539	4257725	187	0	0	2344
18F		651530	4257729	187	0	0	2355
18F		651527	4257730	184	0	0	2357
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18F		651504	4257739	186	0	0	2382
18F		651501	4257739	185	0	0	2385
18F		651499	4257740	186	0	0	2387
18F		651494	4257742	184	0	0	2392
18F		651487	4257745	187	0	0	2400
18F		651485	4257746	185	0	0	2403
18F		651473	4257751	187	0	0	2415
18F		651471	4257752	185	0	0	2418
18F		651468	4257753	185	0	0	2421
18F		651466	4257754	183	0	0	2423
18F		651463	4257755	185	0	0	2426
18F		651454	4257758	185	0	0	2436
18F		651452	4257759	187	0	0	2438
18F		651449	4257760	184	0	0	2441
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18F		651440	4257765	185	0	0	2451
18F		651438	4257766	187	0	0	2453
18F		651431	4257769	185	0	0	2461
18F		651429	4257770	187	0	0	2463
18F		651427	4257771	185	0	0	2466
18F		651422	4257773	184	0	0	2471
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18F		651413	4257777	183	0	0	2481
18F		651408	4257779	187	0	0	2486
18F		651401	4257782	184	0	0	2494
18F		651399	4257783	187	0	0	2496
18F		651396	4257784	185	0	0	2499
18F		651392	4257786	187	0	0	2504
18F		651387	4257788	184	0	0	2509
18F		651382	4257790	185	0	0	2514
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18F		651375	4257793	187	0	0	2522
18F		651371	4257795	186	0	0	2527
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18F		651356	4257801	187	0	0	2542
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18F	651338	4257810	187	0	0	2562
18F	651336	4257811	185	0	0	2565
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18F	651292	4257828	185	0	0	2612
18F	651287	4257830	187	0	0	2617
18F	651276	4257835	185	0	0	2630
18F	651273	4257836	188	0	0	2632
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18F	651248	4257846	187	0	0	2660
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18F	651234	4257843	183	0	0	2674
18F	651232	4257842	187	0	0	2676
18F	651230	4257841	185	0	0	2678
18F	651227	4257839	185	0	0	2682
18F	651225	4257837	187	0	0	2684
18F	651223	4257836	186	0	0	2687
18F	651222	4257834	188	0	0	2689
18F	651220	4257833	185	0	0	2691
18F	651219	4257832	187	0	0	2693
18F	651214	4257824	187	0	0	2702
18F	651213	4257822	188	0	0	2704
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18F	651212	4257792	187	0	0	2735
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18F	651215	4257785	187	0	0	2742
18F	651217	4257783	185	0	0	2745
18F	651220	4257779	187	0	0	2750
18F	651222	4257778	185	0	0	2752

18F	651226	4257774	187	0	0	2758
18F	651228	4257773	185	0	0	2760
18F	651232	4257769	185	0	0	2766
18F	651234	4257768	188	0	0	2768
18F	651239	4257765	185	0	0	2774
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18F	651246	4257761	185	0	0	2782
18F	651262	4257754	185	0	0	2800
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18F	651273	4257748	185	0	0	2811
18F	651275	4257747	187	0	0	2814
18F	651281	4257744	187	0	0	2820
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18F	651342	4257716	187	0	0	2888
18F	651345	4257715	186	0	0	2891
18F	651348	4257713	188	0	0	2894
18F	651351	4257712	185	0	0	2897
18F	651367	4257703	187	0	0	2916
18F	651384	4257695	186	0	0	2935
18F	651387	4257693	184	0	0	2938
18F	651393	4257691	187	0	0	2944
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18F	651453	4257664	184	0	0	3010
18F	651455	4257663	186	0	0	3013
18F	651458	4257662	184	0	0	3016
18F	651461	4257661	187	0	0	3019
18F	651470	4257657	185	0	0	3028
18F	651487	4257650	186	0	0	3047

18F	651490	4257648	184	0	0	3050
18F	651493	4257647	186	0	0	3053
18F	651496	4257646	185	0	0	3056
18F	651504	4257641	185	0	0	3066
18F	651507	4257640	187	0	0	3069
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18F	651524	4257632	186	0	0	3088
18F	651526	4257630	184	0	0	3091
18F	651532	4257628	186	0	0	3097
18F	651535	4257626	183	0	0	3100
18F	651543	4257622	187	0	0	3109
18F	651554	4257617	184	0	0	3122
18F	651557	4257615	186	0	0	3125
18F	651566	4257611	185	0	0	3134
18F	651571	4257608	187	0	0	3140
18F	651574	4257607	185	0	0	3143
18F	651582	4257603	186	0	0	3153
18F	651588	4257601	185	0	0	3159
18F	651591	4257599	187	0	0	3162
18F	651597	4257598	185	0	0	3168
18F	651606	4257595	186	0	0	3177
18F	651609	4257594	183	0	0	3180
18F	651612	4257593	186	0	0	3184
18F	651614	4257592	185	0	0	3187
18F	651617	4257591	183	0	0	3190
18F	651620	4257589	187	0	0	3193
18F	651623	4257588	185	0	0	3196
18F	651633	4257581	185	0	0	3208
18F	651635	4257579	187	0	0	3211
18F	651637	4257577	185	0	0	3214
18F	651641	4257573	185	0	0	3220
18F	651644	4257568	183	0	0	3225
18F	651645	4257565	186	0	0	3228
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18F	651626	4257527	185	0	0	3275
18F	651624	4257526	183	0	0	3277
18F	651620	4257526	186	0	0	3281
18F	651618	4257526	183	0	0	3283



18F	651616	4257526	186	0	0	3285
18F	651614	4257526	183	0	0	3287
18F	651612	4257526	186	0	0	3289
18F	651601	4257531	186	0	0	3301
18F	651599	4257532	184	0	0	3303
18F	651597	4257533	186	0	0	3305
18F	651595	4257534	184	0	0	3307
18F	651584	4257542	185	0	0	3321
18F	651580	4257543	184	0	0	3325
18F	651573	4257546	185	0	0	3332
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18F	651555	4257552	183	0	0	3351
18F	651547	4257556	185	0	0	3361
18F	651525	4257567	184	0	0	3385
18F	651511	4257571	186	0	0	3400
18F	651509	4257572	184	0	0	3402
18F	651506	4257572	186	0	0	3405
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18F	651462	4257589	184	0	0	3452
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18F	651427	4257603	186	0	0	3489
18F	651423	4257605	186	0	0	3494
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18F	651411	4257611	186	0	0	3507
18F	651407	4257613	184	0	0	3512
18F	651404	4257614	186	0	0	3515
18F	651397	4257617	185	0	0	3522
18F	651395	4257618	188	0	0	3525
18F	651390	4257620	185	0	0	3530
18F	651388	4257621	187	0	0	3533
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18F	651381	4257624	186	0	0	3540
18F	651371	4257628	184	0	0	3550
18F	651369	4257629	186	0	0	3553
18F	651362	4257632	186	0	0	3561

18F	651360	4257634	184	0	0	3563
18F	651355	4257636	186	0	0	3568
18F	651353	4257637	185	0	0	3571
18F	651351	4257639	187	0	0	3574
18F	651348	4257640	184	0	0	3576
18F	651346	4257641	187	0	0	3579
18F	651344	4257642	184	0	0	3581
18F	651339	4257645	184	0	0	3587
18F	651337	4257646	187	0	0	3589
18F	651334	4257647	184	0	0	3592
18F	651332	4257648	187	0	0	3594
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18F	651327	4257650	186	0	0	3599
18F	651313	4257656	187	0	0	3615
18F	651302	4257661	187	0	0	3627
18F	651300	4257662	184	0	0	3630
18F	651295	4257665	184	0	0	3635
18F	651291	4257667	187	0	0	3640
18F	651283	4257669	183	0	0	3647
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18F	651270	4257675	184	0	0	3662
18F	651267	4257676	187	0	0	3665
18F	651265	4257677	185	0	0	3667
18F	651258	4257681	185	0	0	3675
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18F	651238	4257691	188	0	0	3698
18F	651231	4257694	187	0	0	3705
18F	651213	4257701	187	0	0	3725
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18F	651208	4257704	187	0	0	3730
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18F	651202	4257708	185	0	0	3738
18F	651200	4257709	187	0	0	3740
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18F	651193	4257713	187	0	0	3748
18F	651191	4257714	184	0	0	3750
18F	651189	4257716	187	0	0	3753
18F	651182	4257719	187	0	0	3760
18F	651180	4257720	185	0	0	3763
18F	651177	4257721	187	0	0	3765
18F	651173	4257723	187	0	0	3770
18F	651171	4257724	184	0	0	3773
18F	651166	4257726	188	0	0	3778

18F	651159	4257729	187	0	0	3786
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PROF. MAX 189  
PROF. MIN 182

