

División de Acuicultura

Informe UAGPA N° 59
Fecha: 09-09-2016

Análisis de presencia de Banco Natural

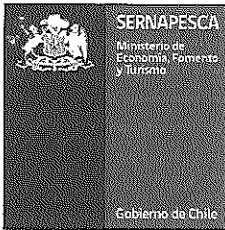
Pert	profundidad de análisis	especie indicada en informe	Especie o grupo a evaluar	m ² um (1)	m ² um (2)	m ² um (3)	m ² Promedio	frecuencia de ocurrencia UM Con Rec/UM totales	% area muestreable	IPBAN	IPBANMax	Evaluación
213122213	hasta 30 metros											No se Buceó

Observaciones: Considerando que el área posee una profundidad mayor a 30 metros, no se realizó buceo.



EDUARDO ANDERSON GERMAIN

Jefe Unidad Análisis y Gestión de Procesos de Acuicultura



59

**Formulario de resultados de la evaluación directa de recursos
hidrobiológico bentónicos**

Presencia de Recursos Profundidad Accidente Geográfico Tipo de Fondo

Solicitud N° 213122213 ✓	Solicitante Kelp Chile Centro S.A. ✓
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Región XII	Comuna Natales	Area o Localidad Peninsula Antonio Varas, Al Sur De Punta Vergara, Sector 022
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Fecha 17-nov-15	Hora Inicio 13:18	Embarcación Explorador Patagonia	Hora Término 13:43
		CB	2279

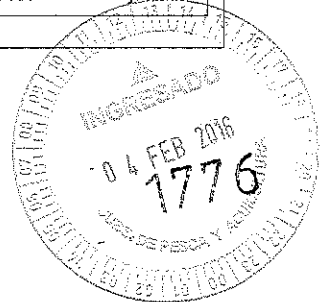
Carta Shoa 10600 (Datum SAD69) Area 25,00 Hás

Coordenadas Geográficas Carta Shoa 10600 :	Vértice	Latitud	Longitud
	A	51° 46' 51,48" S	72° 53' 39,34" O
	B	51° 46' 58,23" S	72° 53' 15,63" O
	C	51° 47' 12,94" S	72° 53' 26,51" O
	D	51° 47' 06,19" S	72° 53' 50,22" O

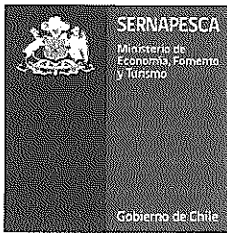
Observaciones (Anotar situaciones u observaciones que expliquen o refuercen la inspección realizada)

Superficie muestreable aprox. : 0 %

Hora de la Medición 13:18	Ajuste de Marea (mt) 0,1	Prof. Máxima 189 Observ.	Prof. Ajustada 189,1	Prof. Mínima 181 Observ.	Prof. Ajustada 181,1
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Solicitud 213122213: Campaña 3 - 2015



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 Christian Sánchez Medina

Firma Inspector

Nombre Capitán/Buzo Héctor Díaz

Firma Capitán/Buzo

Amovil abdo 6.

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	645323	4261234	189	1	213122213	
18F	645326	4261233	187	0	0	3
18F	645328	4261232	187	0	0	6
18F	645331	4261230	187	0	0	9
18F	645333	4261229	188	0	0	11
18F	645336	4261228	186	0	0	14
18F	645356	4261217	186	0	0	37
18F	645361	4261214	186	0	0	43
18F	645364	4261213	187	0	0	46
18F	645371	4261209	186	0	0	55
18F	645374	4261207	188	0	0	57
18F	645376	4261206	188	0	0	60
18F	645379	4261205	186	0	0	63
18F	645384	4261202	187	0	0	69
18F	645392	4261198	187	0	0	78
18F	645395	4261197	187	0	0	81
18F	645397	4261196	189	0	0	83
18F	645400	4261195	186	0	0	86
18F	645402	4261193	186	0	0	89
18F	645405	4261192	188	0	0	92
18F	645410	4261189	188	0	0	98
18F	645412	4261188	186	0	0	100
18F	645427	4261179	186	0	0	118
18F	645430	4261178	187	0	0	120
18F	645437	4261174	186	0	0	129
18F	645445	4261170	187	0	0	138
18F	645448	4261169	184	0	0	141
18F	645450	4261167	188	0	0	143
18F	645453	4261166	186	0	0	146
18F	645463	4261161	186	0	0	158
18F	645466	4261160	187	0	0	161
18F	645486	4261149	186	0	0	184
18F	645489	4261147	188	0	0	187
18F	645491	4261146	187	0	0	189
18F	645496	4261143	187	0	0	195
18F	645501	4261141	187	0	0	201
18F	645504	4261140	188	0	0	204
18F	645509	4261137	188	0	0	209
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18F	645520	4261133	187	0	0	221

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18F	645525	4261130	186	0	0	227
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18F	645546	4261121	186	0	0	249
18F	645548	4261120	189	0	0	252
18F	645551	4261119	189	0	0	255
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18F	645566	4261111	188	0	0	272
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18F	645744	4261018	181	0	0	473
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18F	645661	4260890	186	0	0	1543
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18F	645664	4260886	186	0	0	1548
18F	645666	4260883	188	0	0	1550
18F	645667	4260881	186	0	0	1553
18F	645673	4260862	186	0	0	1573
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18F	645566	4260840	186	0	0	1713
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18F	645554	4260846	187	0	0	1727
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18F	645472	4260891	187	0	0	1820
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18F	645451	4260900	186	0	0	1843
18F	645444	4260903	186	0	0	1850
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18F	645433	4260907	186	0	0	1862
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18F	645403	4260921	186	0	0	1895
18F	645401	4260922	186	0	0	1898
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18F	645388	4260928	187	0	0	1912
18F	645386	4260929	187	0	0	1914
18F	645384	4260930	189	0	0	1916
18F	645382	4260932	186	0	0	1919
18F	645367	4260939	187	0	0	1935
18F	645360	4260942	186	0	0	1942
18F	645358	4260943	187	0	0	1945
18F	645356	4260943	189	0	0	1947
18F	645354	4260944	186	0	0	1949
18F	645352	4260945	186	0	0	1952
18F	645349	4260946	189	0	0	1954
18F	645347	4260947	187	0	0	1956
18F	645334	4260952	186	0	0	1971
18F	645332	4260953	187	0	0	1973
18F	645325	4260955	187	0	0	1980
18F	645310	4260963	186	0	0	1997
18F	645306	4260965	187	0	0	2001
18F	645304	4260966	186	0	0	2004
18F	645302	4260967	186	0	0	2006
18F	645300	4260968	188	0	0	2009
18F	645297	4260969	187	0	0	2011
18F	645289	4260973	186	0	0	2020

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18F	645278	4260977	186	0	0	2032
18F	645273	4260979	187	0	0	2037
18F	645271	4260980	187	0	0	2039
18F	645269	4260981	188	0	0	2042
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18F	645265	4260983	186	0	0	2047
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18F	645260	4260985	186	0	0	2051
18F	645243	4260992	186	0	0	2070
18F	645240	4260993	187	0	0	2073
18F	645223	4260999	186	0	0	2091
18F	645220	4260999	187	0	0	2094
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18F	645199	4260996	186	0	0	2116
18F	645193	4260992	187	0	0	2123
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18F	645181	4260978	187	0	0	2141
18F	645178	4260972	186	0	0	2149
18F	645176	4260967	187	0	0	2154
18F	645174	4260962	186	0	0	2159
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18F	645173	4260957	186	0	0	2164
18F	645172	4260955	186	0	0	2167
18F	645172	4260952	189	0	0	2169
18F	645172	4260950	186	0	0	2171
18F	645172	4260945	186	0	0	2176
18F	645173	4260940	186	0	0	2181
18F	645174	4260938	186	0	0	2184
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18F	645191	4260917	186	0	0	2211
18F	645206	4260909	187	0	0	2228
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18F	645262	4260883	185	0	0	2289
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18F	645428	4260806	186	0	0	2472
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18F	645443	4260799	186	0	0	2489
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18F	645476	4260783	187	0	0	2525
18F	645479	4260782	185	0	0	2528
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18F	645489	4260777	186	0	0	2539
18F	645494	4260775	185	0	0	2545
18F	645499	4260773	186	0	0	2550
18F	645504	4260771	185	0	0	2556
18F	645507	4260769	186	0	0	2559

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18F	645514	4260766	187	0	0	2567
18F	645517	4260764	187	0	0	2570
18F	645519	4260763	188	0	0	2573
18F	645522	4260762	185	0	0	2575
18F	645524	4260761	185	0	0	2578
18F	645527	4260759	187	0	0	2581
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18F	645532	4260757	185	0	0	2587
18F	645534	4260755	187	0	0	2589
18F	645537	4260754	187	0	0	2592
18F	645539	4260753	187	0	0	2595
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18F	645547	4260749	188	0	0	2603
18F	645549	4260748	186	0	0	2606
18F	645559	4260743	185	0	0	2617
18F	645564	4260740	186	0	0	2623
18F	645569	4260738	185	0	0	2628
18F	645574	4260735	188	0	0	2634
18F	645576	4260733	188	0	0	2636
18F	645578	4260731	186	0	0	2639
18F	645581	4260727	185	0	0	2644
18F	645586	4260721	185	0	0	2653
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18F	645591	4260694	185	0	0	2680
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18F	645584	4260677	186	0	0	2698
18F	645581	4260674	186	0	0	2703
18F	645579	4260673	188	0	0	2705
18F	645578	4260671	185	0	0	2707
18F	645575	4260669	185	0	0	2711
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18F	645571	4260666	185	0	0	2715
18F	645568	4260664	186	0	0	2720
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18F	645564	4260662	185	0	0	2724
18F	645560	4260661	186	0	0	2728
18F	645558	4260660	187	0	0	2730
18F	645556	4260660	185	0	0	2732
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18F	645546	4260660	188	0	0	2741
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18F	645543	4260661	186	0	0	2745
18F	645541	4260662	188	0	0	2747
18F	645539	4260662	185	0	0	2749
18F	645536	4260664	185	0	0	2753
18F	645534	4260664	187	0	0	2755
18F	645532	4260665	185	0	0	2756
18F	645531	4260666	188	0	0	2758
18F	645527	4260669	185	0	0	2762
18F	645526	4260670	187	0	0	2764
18F	645524	4260671	186	0	0	2766
18F	645523	4260672	188	0	0	2768
18F	645521	4260673	185	0	0	2770
18F	645514	4260678	185	0	0	2779
18F	645508	4260681	186	0	0	2785
18F	645501	4260686	185	0	0	2794
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18F	645491	4260691	185	0	0	2805
18F	645489	4260692	187	0	0	2807
18F	645487	4260693	185	0	0	2810
18F	645480	4260699	185	0	0	2819
18F	645478	4260700	187	0	0	2821
18F	645476	4260701	185	0	0	2823
18F	645463	4260710	186	0	0	2839
18F	645457	4260713	185	0	0	2846
18F	645455	4260715	189	0	0	2848
18F	645453	4260716	186	0	0	2850
18F	645436	4260724	185	0	0	2869
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18F	645407	4260738	185	0	0	2901
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18F	645392	4260745	185	0	0	2918
18F	645390	4260746	187	0	0	2920
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18F	645380	4260751	187	0	0	2931
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18F	645374	4260754	185	0	0	2938
18F	645372	4260755	186	0	0	2941
18F	645369	4260756	188	0	0	2943
18F	645367	4260757	186	0	0	2945

18F	645365	4260758	186	0	0	2947
18F	645361	4260759	185	0	0	2952
18F	645354	4260761	185	0	0	2959
18F	645350	4260763	186	0	0	2964
18F	645345	4260764	185	0	0	2968
18F	645339	4260767	186	0	0	2975
18F	645332	4260769	185	0	0	2982
18F	645330	4260770	187	0	0	2985
18F	645326	4260772	185	0	0	2989
18F	645313	4260778	186	0	0	3003
18F	645307	4260780	185	0	0	3010
18F	645305	4260782	186	0	0	3012
18F	645301	4260784	186	0	0	3017
18F	645299	4260785	186	0	0	3019
18F	645289	4260791	185	0	0	3031
18F	645287	4260792	186	0	0	3033
18F	645283	4260794	186	0	0	3038
18F	645281	4260795	187	0	0	3040
18F	645277	4260797	186	0	0	3045
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18F	645254	4260811	186	0	0	3070
18F	645252	4260812	185	0	0	3073
18F	645246	4260815	185	0	0	3080
18F	645244	4260816	186	0	0	3082
18F	645242	4260817	187	0	0	3084
18F	645240	4260818	185	0	0	3087
18F	645236	4260820	186	0	0	3091
18F	645210	4260831	185	0	0	3119
18F	645208	4260832	187	0	0	3122
18F	645206	4260833	185	0	0	3124
18F	645199	4260836	186	0	0	3131
18F	645197	4260837	187	0	0	3133
18F	645195	4260838	185	0	0	3135
18F	645191	4260839	185	0	0	3140
18F	645189	4260840	187	0	0	3142
18F	645187	4260841	185	0	0	3145
18F	645180	4260844	186	0	0	3152
18F	645178	4260845	186	0	0	3154
18F	645174	4260847	186	0	0	3159
18F	645160	4260855	185	0	0	3175
18F	645158	4260856	187	0	0	3177
18F	645155	4260857	187	0	0	3180
18F	645153	4260857	185	0	0	3182
18F	645151	4260858	185	0	0	3184
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18F	645131	4260850	185	0	0	3206
18F	645125	4260843	186	0	0	3215
18F	645114	4260825	185	0	0	3236
18F	645112	4260819	185	0	0	3243
18F	645112	4260805	185	0	0	3257
18F	645113	4260803	187	0	0	3259
18F	645114	4260801	185	0	0	3261
18F	645125	4260787	185	0	0	3279
18F	645138	4260778	186	0	0	3295
18F	645158	4260768	185	0	0	3317
18F	645162	4260766	186	0	0	3322
18F	645176	4260759	185	0	0	3337
18F	645181	4260756	186	0	0	3343
18F	645188	4260753	185	0	0	3351
18F	645223	4260735	185	0	0	3390
18F	645226	4260734	187	0	0	3393
18F	645228	4260732	185	0	0	3395
18F	645231	4260731	187	0	0	3398
18F	645233	4260730	182	0	0	3401
18F	645238	4260727	188	0	0	3407
18F	645241	4260726	186	0	0	3410
18F	645243	4260724	186	0	0	3412
18F	645246	4260723	186	0	0	3415
18F	645251	4260721	186	0	0	3421
18F	645258	4260717	186	0	0	3429
18F	645268	4260712	186	0	0	3441
18F	645276	4260708	185	0	0	3449
18F	645281	4260706	186	0	0	3455
18F	645286	4260703	184	0	0	3460
18F	645291	4260701	185	0	0	3466
18F	645311	4260690	186	0	0	3489
18F	645314	4260689	188	0	0	3492
18F	645316	4260687	187	0	0	3494
18F	645319	4260686	185	0	0	3497
18F	645322	4260684	186	0	0	3500
18F	645324	4260683	185	0	0	3503
18F	645327	4260682	185	0	0	3506
18F	645329	4260680	187	0	0	3509
18F	645337	4260676	185	0	0	3517
18F	645339	4260675	188	0	0	3520
18F	645342	4260674	185	0	0	3523
18F	645344	4260673	187	0	0	3526
18F	645347	4260672	185	0	0	3529
18F	645350	4260670	185	0	0	3531
18F	645357	4260667	185	0	0	3540
18F	645365	4260664	185	0	0	3549
18F	645368	4260663	186	0	0	3552

18F	645373	4260660	185	0	0	3557
18F	645376	4260659	187	0	0	3560
18F	645378	4260657	185	0	0	3563
18F	645381	4260656	185	0	0	3566
18F	645384	4260655	187	0	0	3569
18F	645386	4260653	185	0	0	3572
18F	645391	4260651	185	0	0	3577
18F	645396	4260648	187	0	0	3583
18F	645399	4260647	185	0	0	3586
18F	645414	4260639	186	0	0	3604
18F	645420	4260636	185	0	0	3609
18F	645439	4260629	185	0	0	3630
18F	645444	4260626	186	0	0	3636
18F	645447	4260625	187	0	0	3638
18F	645449	4260624	185	0	0	3641
18F	645455	4260621	185	0	0	3647
18F	645460	4260619	188	0	0	3653
18F	645462	4260617	186	0	0	3656
18F	645470	4260612	185	0	0	3665
18F	645475	4260609	186	0	0	3671
18F	645485	4260603	185	0	0	3683
18F	645490	4260600	186	0	0	3689
18F	645501	4260595	185	0	0	3701
18F	645524	4260583	185	0	0	3727
18F	645527	4260581	186	0	0	3730
18F	645530	4260580	188	0	0	3733
18F	645535	4260577	187	0	0	3738
18F	645537	4260576	185	0	0	3741
18F	645540	4260575	187	0	0	3744
18F	645543	4260574	185	0	0	3747

PROF. MAX 189
PROF. MIN 181

PERT 213122213
FECHA: 17/1/2015 HORA INICIO: 13:18 HORA TERMINO: 13:43

