



1st Surveillance Report

**Assessment against MSC Principles and Criteria for:
ARGENTINE ANCHOVY (*Engraulis anchoita*), BONAERENSE STOCK,
SEMI-PELAGIC MID-WATER TRAWL NET FISHERY**

Certificate code: F-OIA-P-0200

22 January 2018

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FIRST SURVEILLANCE VISIT

Assessment against MSC Principles and Criteria for

ARGENTINE BONAERENSE ANCHOVY (*Engraulis anchoita*), BONAERENSE STOCK, SEMI-PELAGIC MID-WATER TRAWL NET FISHERY

22 January 2018

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General information.

Fishery name	Argentine anchovy (<i>Engraulis anchoita</i>), Bonaerense stock, semi-pelagic mid-water trawl net fishery																																								
Species (target in P1) and location of fishery	<p><u>Species:</u> Argentine anchovy (<i>Engraulis anchoita</i>)</p> <p><u>Location:</u> Western South Atlantic, from Southern Brazil to 41° S in Argentine waters, mainly on the Argentine and Uruguay continental platform</p> <p><u>Stock:</u> Bonaerense stock</p> <p><u>Common name of body of water:</u> AUCFZ (Argentine-Uruguayan Common Fishing Zone and Argentine Sea)</p> <p><u>FAO statistical area:</u> FAO N° 41</p> <p><u>Local fisheries management area:</u> Central Subarea, Platense Division 41.2.3</p>																																								
Unit of Assessment (UoA)	<p><u>Target stock:</u> Argentine anchovy fishery, Bonaerense stock</p> <p><u>Fishing methods:</u> Semi-pelagic mid-water trawl</p> <p><u>Fishing operators (fleet/s; vessels; operators; including eligibility criteria and links to vessel lists):</u> All Argentinean coastal and high-sea ice chilled fleets</p> <p><u>Other eligible fishers (include link to relevant Certificate Sharing Statement):</u> List of other eligible fishers and Certificate Sharing Statement are available in the Public Certification Report.</p>																																								
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		(1089) Messina I	High seas ice chilled
		(2854) Nono Pascual	Coastal ice chilled
		(1449) Nuevo Viento	Coastal ice chilled
		(1497) Orión I	Coastal ice chilled
		(2822) Padre Pio	Coastal ice chilled
		(2790) Porto Belo II	Coastal ice chilled
		(1401) Raffaella	High seas ice chilled
		(1568) Rocío del Mar	High seas ice chilled
		(0425) Sant’ Angelo	Coastal ice chilled
		(0801) Siempre San Salvador	Coastal ice chilled
		(1541) Teson	High seas ice chilled
		(0556) Victoria II	High seas ice chilled
Date certified	20/12/2016	Date of expiry	19/12/2021
Surveillance level and type	Surveillance level 6 (<i>Default Surveillance</i>), on-site surveillance audit (<i>i.e.</i> the audit will be involved face to face engagement with the client, conducting stakeholder interviews and review of changes in management and science in the fishery. The surveillance audit is not delayed according to the anniversary date of the certificate (22 December 2017). So, surveillance frequency was not amended since Public Certification Report (2016).		
Date of surveillance audit	14 th and 15 th December 2017		
Surveillance stage (tick one)	1st Surveillance	X	
	2nd Surveillance		
	3rd Surveillance		
	4th Surveillance		
	Other (expedited etc)		
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1. Background.

The assessment team identified some changes in the fishery since the publication in the MSC website of Public Certification Report on 15th December 2016 according to:

a. Management system

During the first surveillance, it was consulted with official agencies, SSPyA and INIDEP, as well as websites of Ministerio de Agroindustria (www.agroindustria.gob.ar), Consejo Federal Pesquero (CFP) (www.cfp.gob.ar) and INIDEP (www.inidep.edu.ar) was also visited.

The Argentine anchovy (*Engraulis anchoita*) fishery, Bonaerense stock, continues occurring at Western South Atlantic, FAO area 41, from Southern Brazil to 41° S (from shallow waters to beyond the continental slope, including the Zona Común de Pesca Argentino-Uruguay and the Argentina Exclusive Economic Zone – Argentine Sea). The mid-water trawl fishery is operated by coastal and high-sea ice-chilling fleet, fitted out to the power and characteristics of the fishing vessels.

CFP establishes annually a fishery management plan and a Total Allowable Catch (TAC). For 2017, TAC remained in 120,000 t, according to CFP Resolution N° 11/2017.

Since last re-assessment process, all the administrative and supervisory structures have remained equally, conserving the same missions, roles and responsibilities. Similarly, no structures or INIDEP have been modified.

It has not been detected that the fishery is incurring or has incurred (since re-certification) in any controversy to any international treaty or systematic failures to current regulations.

In consultation with stakeholders, none of them found any new information meriting changes about management system in any aspect of the certification.

b. Relevant regulations

The following resolutions were developed for Argentine anchovy fishery by CFP (main management authority):

- CFP Resolution N° 11/2017: Establishment of TAC. Period 2017 for Anchovy Bonaerense and Patagonian stocks.

However, a general regulation has been developed for all Argentinean fisheries:

- CFP Resolution N° 12/2017: It suspends until December 31st, 2017 the annual adjustment of the base tariff of the DUE established in Article 2° of the CFP Resolution N° 7/2016.

c. Personnel involved in science, management or industry, scientific base of information, including stock assessments

There have been changes in the personnel involved in management, but not in science and industry areas. In the administration of the fishery management, the Secretaría de Pesca changed its status to Sub-Secretaría de Pesca y Acuicultura and Juan Manuel Bosch is the new responsible assigned. Ministerio de Agricultura, Ganadería y Pesca has been renamed to Ministerio de Agroindustria; Luis Miguel Etchevehere is the new responsible assigned. Its secretariat of Agricultura, Ganadería y Pesca is in charge of Guillermo Bernaudo.

Stock assessment and current status

The Argentine anchovy is assessed annually by INIDEP. The most recent assessment for Bonaerense stock is that conducted by Orlando *et al.* (2017) whose results were used to recommend the 2017 TAC.

The current stock assessment model is a statistical catch at age model adjusted by the seasonality of the fishery and data obtained from 1990 to 2016 by commercial fleets. In spring, when the reproductive activity is achieved, the total biomass (B) was 1.0-5.2 million t (average 2.29 million t) and the reproductive biomass (BR) was 0.78-3.68 million t (average 1.81 million t). Results continue indicating that the abundance fluctuates during the year.

Fishing mortality (F) has always been very low (average = 0.033) with respect to natural mortality ($M = 1.01$), which confirms that the stock is under-exploited. The spawning biomass of 2 years and more ($BR_2 +$) in spring, calculated by means of an analysis of reproductive biomass per recruit, was clearly higher than the values determined as BTRP ($BR_{66}=890,000$ t) and BLRP ($BR_{40}=552,000$ t). Also, it was estimated a $BR_{75}=343,000$ t, considering the ecosystem role of anchovy as key species as it has been suggested by MSC as a default target reference point for key LTL species.

With the estimations made about the current stock status and its variations (regarding: recruitments, abundance and seasonality of the exploitation), the stock status projected assuming different values of fishing mortality, to determine the maximum value of compatible catch with the harvest control rule proposed for this fishery. The Bonaerense stock is considered "healthy", but a precautionary criterion must be maintained, mainly due to the lack of direct evaluations of abundance derived from research campaigns, since the last one was carried out in 2008. It is recommended to keep the TAC established annually of 120,000 t.

For 2017, CFP as management authority accepted the recommendation proposed by INIDEP and established the TAC in 120,000 t for Bonaerense stock (CFP Resolution N° 11/2017).

Fishery interactions

A preliminary report was provided by Instituto de Investigaciones Marinas y Costeras of CONICET, which registered the fishery interaction with seabirds during September and November 2016. It was observed 7 fishing trips (101 fishing hauls). It was detected in 24 fishing hauls that the fishery interacted with seabirds as *Thalassarche melanophrys*, *Larus dominicanus*, *Puffinus gravis* and *Procellaria aequinoctialis*. Most interactions (63%) consisted of contact between birds and the fishing net. In most cases, these interactions had no serious injuries as described by Paz (2015).

d. Where enhanced fisheries, any updates on fishery's position in relation to scope criteria

The Argentine anchovy fishery is not an enhanced fishery. This is not applicable.

e. Any development or changes within the fishery which impact traceability or the ability to segregate between fish from the UoC and fish from outside the UoC (non-certified fish).

No development or changes within the fishery which impact traceability or the ability to segregate between fish from the UoC and fish from outside the UoC (non-certified fish). Traceability within the fishery and its factors are described in the Public Certification Report (2016) – pages 80-83.

In September 2017, OIA announced that the certified vessel's list was changed. The Client group signed a general agreement with a group of vessels in order to subcontract them to provide MSC anchovy stock Bonaerense, using semi-pelagic mid-water trawl net for fishing season 2017. These vessels have the same fishing gear. There are no differences in mid-water trawl equipment, fishing methods and manoeuvres.

All vessels are identified as eligible in the recertification process. The impact in the ecosystem of vessels was reviewed on the component of Principle 2 in the certification process (2016). So, there is no reason to modify Principle 2 assessment and the impact is maintained.

So, only anchovy caught by vessels linked to the client group can be sold as MSC. For more information, consult: <https://fisheries.msc.org/en/fisheries/argentine-anchovy-engraulis-anchoitabonaerense-stock-semi-pelagic-mid-water-trawl-fishery/@assessments>

Table 1. TAC and Catch Data

TAC	Year	2017 (The TAC was estimated by CFP in Resolution N° 11/2017)	Amount	120,000 t
UoA share of TAC	Year	2016	Amount	8,216.86 t
UoC share of TAC	Year	2016	Amount	4,986.80 t
Total green weight catch by UoC	Year (most recent)	2017 (to 28/12/2017)	Amount	3,649.37 t
	Year (second most recent)	2016	Amount	4,986.80 t

Table 2. Catch (t) of vessels linked with the UoA and UoC (t) for 2016 and 2017 (Data provided by INIDEP).

Registration	Vessel	2016	2017
0142	Argentino	-	-
0145	Atrevido	-	-
1398	Belvedere	-	-
0407	Canal de Beagle	95.36	372.72
0482	Centauro 2000	-	-
1320	Don Carmelo	111.99	110.78
0893	Don Nicola	-	130.78
1431	Don Raimundo	104.41	328.03
0969	Florida Blanca	453.05	-
0495	Franca	35.50	-
0406	Jupiter II	-	81.11
0195	Maria Gracia	255.65	316.26
1001	Marta S	244.97	Left group
0318	Mercea C	-	-
1089	Messina I	613.16	341.27
2854	Nono Pascual	540.15	-
1449	Nuevo Viento	-	50.58
1497	Orión I	281.46	-
2822	Padre Pio	519.89	485.65
2790	Porto Belo II	Not certified	156.51
1401	Raffaella	496.26	424.48
1568	Rocío del Mar	601.57	492.63
0763	San Genaro	593.83	Left group
0425	Sant'Angelo	Not certified	-
0801	Siempre San Salvador	Not certified	186.12
1541	Teson	39.57	172.47
0556	Victoria II	-	-
Subtotal UoC catch (t)		4,986.80	3,649.37

Registration	Vessel	2016	2017
1074	10 de Noviembre	-	-
0607	7 de Diciembre	-	-
1741	Aldebaran	-	-
0181	Altalena	-	-
2906	Altar	-	-
2761	Alvarez Entrena IV	-	-
1324	Ambition	-	-
0401	America I	-	-
0010	Ana III	-	-
2701	Anave	-	-
0033	Antonella	-	-
0877	Antonino	-	-
1384	Araucania	-	-
0540	Arrufo	-	-
2635	Baffetta	-	-
1234	Bonfiglio	-	-
1475	Buena Pesca	-	-
0025	Cabo Buen Tiempo	-	-
2482	Cabo Buena Esperanza	-	-
1537	Cabo de Hornos	-	-
2483	Cabo Dos Bahias	-	-
0023	Cabo San Juan	-	-
0022	Cabo San Sebastian	-	-
1483	Cabo Tres Puntas	-	-
0024	Cabo Virgenes	-	-
0567	Calabria	-	-
2355	Caleta Paula	-	-
2809	Caliz	-	-
1566	Calleja	236.38	327.55
1406	Camerige	-	-
0405	Carmelo A	-	-
2045	Carmen A	-	-
2893	Chatka I	-	-
1090	Chiarpesca 56	-	-
1184	Chubasco	-	-
0527	Ciudad De Diamante	-	-
1519	Ciudad De Huelva	-	-
0910	Ciudad Feliz	-	-
0767	Comandante Luis Piedrabuena	-	-
0971	Constancia	-	-
1185	Cristo Redentor	-	-
0177	Desafio	-	-
1598	Deseado	-	-
2416	Diego Fernando	-	-
1700	Dock Urano	-	-
0968	Don Agustín	-	-
0029	Don Antonio	-	-
2921	Don Bocha	-	-
2358	Don Carlos I	-	-
0579	Don Cayetano	-	-

0976	Don Dario	-	-
2322	Don Escipion	-	-
2955	Don Franco	282.22	159.63
0071	Don Gaetano	-	-
2025	Don Giuliano	-	-
0892	Don Jose	87.50	64.80
2241	Don Jose Di Bona	-	-
1884	Don Juan D'ambra	-	-
1397	Don Juan	-	-
0069	Don Luciano	-	-
0748	Don Miguel I	-	-
1183	Don Natalio	-	-
2184	Don Oscar	-	-
2609	Don Raul	-	-
2700	Don Salvador	-	-
1733	Don Santiago	-	-
2310	Don Tomasso	-	-
1540	Don Turi	-	-
0539	Don Vicente Vuoso	-	-
0512	Doña Alfia	-	-
2188	Dr. Carlos Ottolenghi	41.11	24.00
2847	El Barba Negra	28.56	84.41
1117	El Faro	-	-
2421	El Gauchito	-	-
2350	El Malo I	-	-
0912	El Marisco I	-	-
0915	El Marisco II	-	-
1526	El Santo	-	-
2565	El Tehuelche	-	-
1390	Emilia Maria	-	-
2360	Enrique F	-	-
1583	Estefany	-	-
1887	Esteiro	-	-
2314	Euro II	-	-
1187	Fe En Dios	-	-
0529	Feixa	-	-
1531	Fides Fe I	-	267.32
1325	Fides Fe II	-	-
1446	Fiesta	-	-
1458	Franco	-	-
2984	Franco Jose	-	-
2722	Gala	86.98	64.20
0904	Galemar	-	-
0339	Gaucho Grande	-	-
2626	Gloriosus	-	-
0362	Golfo San Matias	-	-
0578	Graciela	-	-
1538	Gran Capitán	-	-
1386	Gurises	-	-
0075	Gustavo R	-	-
1410	Hampon	-	157.16
1423	Iglu I	-	-

2347	Indomable	28.11	94.46
1472	Infinitus Pez	-	-
1471	Initio Pez	-	-
0758	Insolito	281.73	250.40
2695	Juan Pablo II	-	-
0908	Judith I	-	-
0483	Jupiter	-	-
0406	Jupiter II	-	-
1065	Kantxope	-	-
1462	Karina	-	-
2324	La Santa Maria I	-	-
1181	Lanza Seca	-	-
0143	Leal	-	-
0752	Lekhan I		46.03
0894	Leoan	-	65.57
0245	Letare	-	-
0355	Libertad	105.99	371.54
0623	Lucia Luisa	-	-
2539	Lucila Del Mar	-	-
1112	Madonnina del Mare	126.41	708.38
1556	Madre Divina	-	-
2728	Madre Margarita	-	-
1813	Magritte	-	-
0577	Malvinas Argentinas	-	-
0934	Mar Azul	-	-
0487	Mar del Chubut	-	-
0925	Mar Esmeralda	-	-
1073	Marbella	635.79	197.02
0352	Marcala I	-	-
1107	Marejada	-	-
0360	Margot	-	-
2126	Maria Del Valle	-	-
1746	Maria Florencia	-	-
2738	Maria Gloria	-	-
0436	Maria Rita	-	-
0570	Maria Soledad	-	-
2103	Maria Susana	-	-
1002	Marianela	-	-
1394	Mario R	-	-
1001	Marta S	Certified	-
0389	Marysol	-	-
1379	Mellino I	-	-
0378	Mellino VI	-	-
2627	Mirta R	-	-
2972	Misal	-	-
0711	Natale	-	-
2125	Neptunia I	-	-
1381	Norman	-	-
2634	Nueva Neptunia I	-	-
0528	Nuevo Rumbo	-	-
1391	Omega 3	-	-
2572	Pachaca	-	-

1393	Pagrus II	-	-
0557	Paola S	-	-
0284	Patagonia	-	-
0747	Pensacola I	-	-
1445	Petrel	-	-
2735	Pioneros	-	-
0975	Ponte Coruxo	-	-
2384	Popa	360.00	425.40
2699	Porto Belo I	242.28	-
2790	Porto Belo II	-	Certified
0285	Promac	-	-
0072	Promarsa I	-	-
0073	Promarsa II	-	-
1822	Pucara	-	649.92
1907	Punta Mogotes	-	-
1355	Que Le Importa	-	-
0580	Quequen Salado	-	-
1076	Quiqueta	-	-
0690	Rayo De Sol	-	-
0918	Rayo Del Mar	-	-
1120	Repunte	-	-
0751	Ribazon Ines	-	-
0266	Rigel	-	-
1957	Rosa Mistica I	-	0.20
1211	Rumbo Esperanza	-	-
1900	Sagrado Corazon	-	-
2973	Sagrario	-	-
2755	Salvador R	-	-
0569	San Andres Apostol	-	-
0438	San Antonino III	-	-
2643	San Benedetto	-	-
1022	San Cayetano I	-	-
0682	San Francisco	-	-
0763	San Genaro	Certified	-
2335	San Giuseppe II	-	-
2152	San Jorge Martir	-	-
0289	San Matias	-	-
0367	San Pascual	-	-
1975	San Pedro Apostol	-	-
1434	San Salvador II	-	-
0425	Sant'Angelo	389.14	Certified
0974	San'Antonio	-	-
0009	Santa Angela	-	-
1885	Santa Barbara	-	-
2615	Santa Maria Madre	-	-
2764	Santo Vito Di Mazzara	-	-
1567	Sfida	-	-
2687	Siempre Don Conrado	-	-
2257	Siempre Don Jose Moscuzza	-	-
2654	Siempre Don Vicente	-	-
0801	Siempre San Salvador	221.65	Certified
0494	Siempre Santa Rosa	-	-

2937	Siempre Viejo Pancho	0.30	313.76
0754	Simbad	-	-
0905	Sirius	-	-
0936	Sirius II	-	-
0937	Sirius III	-	-
2679	Sofia B	-	-
0344	Stella Polare A	-	-
1113	Sueño Real	-	1.82
1105	Sumatra	-	-
0922	Susana	-	-
2365	Tabeiron Tres	76.18	-
1551	Temerario I	-	-
1182	Tifon	-	-
1219	Tozudo	-	-
2904	Trabajamos	-	-
2821	Triton I	-	110.09
0377	Ur Ertza	-	-
2532	Vamos A Probar I	-	-
0144	Veraz	-	18.33
2292	Veronica Alejandra N	-	-
1075	Vicente Luis	-	-
0554	Victoria I	-	-
2767	Virgen Del Milagro	-	-
0541	Virgen Maria	-	-
0369	Virgen María Inmaculada	-	-
1479	Wiron IV	-	-
Subtotal Other eligible catch (t)		3,230.06	4,401.96
TOTAL UoA catch (t)		8,216.86	8,051.34

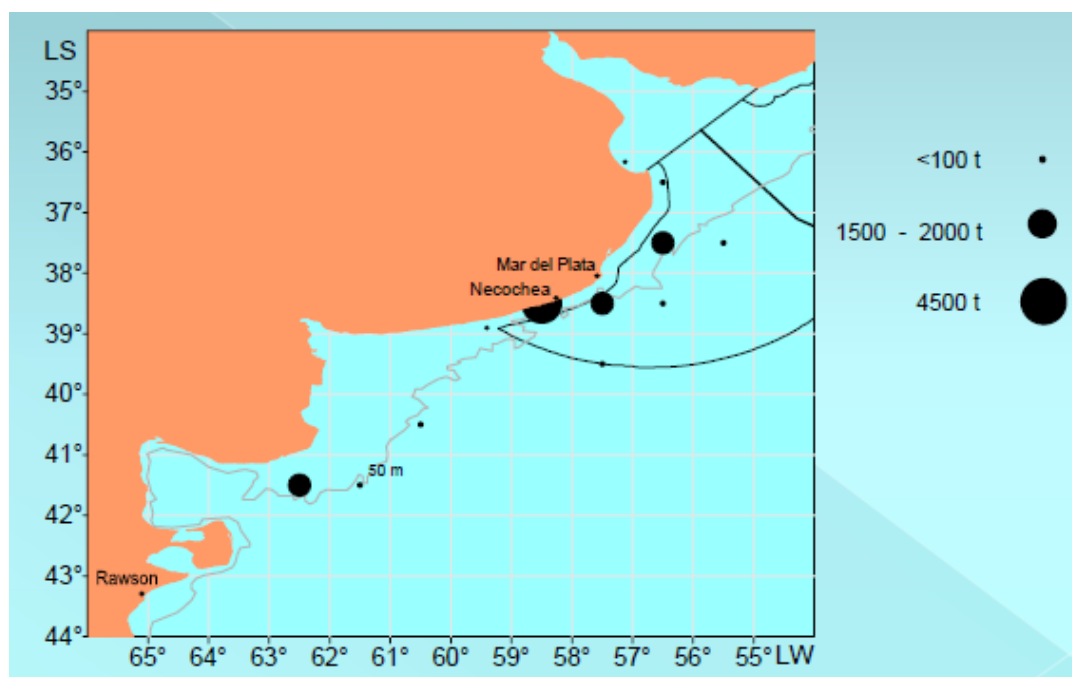


Fig. 2. Annual catch (t) of Argentine anchovy, Bonaerense stock, in AEEZ (Argentine Exclusive Economic Zone) in 2017 (Source: Pelagic Act N°06/12/2017, Annex INIDEP I)

Table 3. Summary of Assessment Conditions

Condition number	Performance indicator (PI)	Status	PI original score	PI revised score
1	2.3.1	OPEN	75	The score will be revised in the fourth surveillance audit

2. Assessment Process.

2.1 Description of the audit process

The purpose of the surveillance audit was to review any changes to the fishery and its management; performance in relation to any relevant conditions of re-certification; any developments or changes within the fishery which impact traceability and the ability to segregate MSC from non-MSC products; and any other significant changes in the fishery since the last surveillance audit. The results of this audit are presented in the next section of the report.

OIA has notified the client group and stakeholders on November 15th, 2017 where and when the on-site visit would take place. All stakeholders who had expressed interest and contributed to the full-assessment process were directly contacted by email and later by telephone. The intention to conduct the surveillance was posted on the MSC website. All interviews with stakeholders were carried out in Mar del Plata, where the fishery client is based. It was not received any stakeholder submissions about any concerns in the audit activities.

The Surveillance Team reviewed the fishery status, analysing whether the fishery was complied with the required conditions set forth in the original certification report and whether current scenarios compromises the performance of the fishery in regard to the MSC Standard.

The audit process was comprised of the following parts:

- **Provision of information:** The audit program and logistical information, conditions established in the certification process and its respective Action Plan elaborated by the fishery client were provided to stakeholders previously to the meetings. Also, the notification included the links of “Stakeholder Guide to the MSC” and the “Template for Stakeholder Input”.
- **Meetings:** The individual meetings started with an interview with the Client Group in the Assembly Hall of COOMARPES (Cooperativa Marplatense de Pesca e Industrialización Pesquera) and then with INIDEP scientists. In both interviews, relevant information and documents regarding the first surveillance audit was exchanged. Consultations took place on December 2nd, 2015. Meetings were conducted by the assessment team proposed and were focused on the on-going activities associated with the condition established on the fishery as well as eventual changes that may have occurred after the last surveillance.
- **Documentation:** Updated information related with the stock assessment and fishery operation were provided by the Client Group and stakeholders prior and during the meetings. Follow up emails were sent to stakeholders to request additional information. All documents are detailed in the Reference section.

The audit activities ended on December 15nd, 2017. The information received does not allow to assess the progress/improvement in the implementation of the Action Plan made by the client in order to comply with the conditions established for certification.

2.2 Scope and history of assessment

The Argentine anchovy fishery was certified in August 2011 for first time and re-certified in December 2016 as sustainable against Principles and Criteria of MSC by Organización Internacional Agropecuaria (OIA), therefore it is well managed and sustainable fishery.

The re-assessment was conducted following the MSC Fisheries Certification Requirements v2.0. The Default Assessment Tree was used without adjustments. For PIs 2.2.1 Secondary Species Outcome,

2.3.1 ETP Species Outcome, 2.4.1 Habitats Outcome and 2.5.1 Ecosystem Outcome, it is used the RBF methodology v2.0. Pls were scored using Productivity-susceptibility analysis (PSA), Consequence Spatial Analysis (CSA) and Scale Intensity Consequence Analysis (SICA), when it is applicable.

The assessment team set only one condition related with ETP species, according RBF results. The client group elaborated an Action Plan to address satisfactorily the conditions for a period of 4 years during each surveillance process. This plan was appended in the Final Report. No objections were received during re-assessment process.

The fishery achieved a score of 80 or more in all MSC Principles and did not score less than 60 in any performance indicator. Following the recommendation of the assessment team and reviewing stakeholder and peer reviewer comments, OIA's decision making entity concluded that the fishery had passed the re-assessment, determining its re-certification with one condition as sustainable against the MSC standard.

The MSC requires certified fisheries to be audited periodically against MSC Standard to ensure that the certification is in place and the fishery is complying with the conditional requirements imposed by the assessment team in the fishery assessment process

Since the re-certification process, changes in the vessel's list of client group were registered, but not in the certificate status.

2.3 Outline surveillance activities

OIA gave the opportunity that all stakeholders identified in the certification process to provide information (e.g. fisheries and fishery managers, scientist, NGOs, citizens, government agencies, others). The assessment team inspected the following issues:

- a) Any potential or actual changes in management systems.
- b) Any changes or additions/deletions to regulations.
- c) Any personnel changes in science, management and industry and their impact on the management of the fishery.
- d) Any potential changes to the scientific base of information, including stock assessments.
- e) Any changes affecting traceability.

All documents received by team members during the audit activities were reviewed and detailed in Reference section.

Table 4. Outline of surveillance activities

Stakeholders notification: surveillance visit scheduled		November 16 th , 2017
Surveillance year 1: visit on-site		Mar del Plata, December 14 nd , 2017
MEETING ATTENDEES AND ORGANIZATIONS		
<i>Opening surveillance meeting with Client Group</i>		
Name	Affiliation	
<i>Gabriela Soto</i>	<i>Nuevo Viento S.R.L.</i>	
<i>Pablo Esteban Ciccolella</i>	<i>Alleloccic S.A. / Nuevo Viento S.A.</i>	
<i>Laura Martínez Souto</i>	<i>Centauro S.A.</i>	
<i>Silvia Barañano</i>	<i>Pranas S.A.</i>	
<i>Rocío González</i>	<i>Delicias S.A.</i>	
<i>M. Carolina González</i>	<i>Catesur S.A.</i>	
<i>Sebastián Greco</i>	<i>Pranas S.A.</i>	
<i>Martín Di Scala</i>	<i>Delicias S.A.</i>	

<i>Luisina Urristi</i>	<i>La Isolana S.R.L.</i>
<i>Javier Freiz</i>	<i>Disemar S.A.</i>
<i>Silvina Di Meglio</i>	<i>Disemar S.A.</i>
<i>Rosario Daniel Pennisi</i>	<i>Natusur S.A.</i>
<i>José Di Constanzo</i>	<i>Catesur S.A.</i>
<i>Antonio Di Scala</i>	<i>Mar Picado S.A.</i>
<i>Miguel Cseh</i>	<i>Marbetan S.A.</i>
<i>Diego Martinez Armas</i>	<i>Marbetan S.A.</i>
<i>Gabriel Di Scala</i>	<i>La Isolana S.R.L.</i>
<i>Vanina Sgromo</i>	<i>Natusur S.A.</i>
<i>INIDEP group meeting</i>	
Name	Affiliation
<i>Dr. David Garcarena</i>	<i>Head of “Pesquerías de Peces Pelágicos” Program, INIDEP</i>
<i>Lic. Gabriel Blanco</i>	<i>Head of “Observadores a Bordo de Buques Comerciales” Program, INIDEP</i>
<i>Lic. Paula Orlando</i>	<i>Researcher of “Pesquerías de Peces Pelágicos” Program, INIDEP</i>
<i>Lic. Claudio Buratti</i>	<i>Researcher of “Pesquerías de Peces Pelágicos” Program, INIDEP</i>
<i>Lic. José Luis Flaminio</i>	<i>Research Member of Pelagic Fisheries and Environment Program, INIDEP</i>
<i>CONICET group meeting</i>	
<i>Lic. Agustina Mandiola</i>	<i>Biologist of CONICET, Marine Mammals Area of Universidad Nacional de Mar del Plata</i>
<i>Lic. Juan Pablo Seco Pon</i>	<i>Biologist of CONICET, Ecology and Marine Biology Area of Universidad Nacional de Mar del Plata</i>
Surveillance year 1: visit on-site	Mar del Plata, December 15nd, 2017
MEETING ATTENDEES AND ORGANIZATIONS	
<i>Fundación Vida Silvestre group meeting</i>	
<i>Verónica B. García</i>	<i>Independent Researcher</i>
<i>Guillermo Cañete</i>	<i>Conservation and Sustainable Development</i>

2.4 Reference the MSC standards, requirements and guidance and their versions used in the surveillance assessment.

The surveillance audit was carried out following the MSC Fisheries Certification Requirements and Guidance v2.0 (FCR v2.0), 1 October 2014 and MSC Fishery Standard v2.0, including MSC General Certification Requirements v2.1.

The report was produced using the MSC Surveillance Reporting Template v1.0.

3. Results.

Table 5. Condition 1

Performance Indicator(s) & Score(s)	Insert relevant PI number(s)	Insert relevant scoring issue/ scoring guidepost text	Score
	2.3.1 – ETP species outcome	The result of RBF, using PSA methodology, states a condition for this performance indicator.	75
Condition	<p>For the 4th annual surveillance, the client group must provide evidence that:</p> <ul style="list-style-type: none"> -where national and/or international requirements set limits for ETP species, the combined effects of the MSC UoAs on the population/stock are known and highly likely to be within these limits. -direct effects of the UoA are highly likely to not hinder recovery of ETP species. -indirect effects have been considered for the UoA and are through to be highly likely not to create unacceptable impacts. ○ The client action plan proposed by the fishery must be capable of raise the score to 80, addressing all the species for which the score falls below 80 (Atlantic dolphin – <i>Delphinus delphis</i>; Dusky dolphin – <i>Lagenorhynchus obscurus</i>; and South America sea lion – <i>Otaria flavescens</i>), and without causing additional associated problems for other species. 		
Milestones	<p>The following interim outcomes presented by the client group, will allow to the team members to assess the progress of the condition proposed on the adequate timeframe:</p> <ul style="list-style-type: none"> -By the first surveillance audit, the client group/fishery must provide a plan to improve the knowledge about national and/or international requirements that set limits for the ETP species affected by the Bonaerense anchovy fishery (Atlantic dolphin – <i>Delphinus delphis</i>; Dusky dolphin – <i>Lagenorhynchus obscurus</i>; and South America sea lion – <i>Otaria flavescens</i>). <p>Even if no rescore will be done at this point, the progress of this milestone could be considered to maintain the actual score and comply with the Action Plan as proposed.</p> <ul style="list-style-type: none"> -By the second surveillance audit, the client group/fishery must provide results that indicate in measurable way and reflecting a highly likely probability that the combined effects of the MSC UoAs on the population/stock of Atlantic dolphin – <i>Delphinus delphis</i>; Dusky dolphin – <i>Lagenorhynchus obscurus</i>; and South America sea lion – <i>Otaria flavescens</i> are within national and/or international requirements, if there are set. <p>At the moment, there are no other MSC certified or under-MSC-assessment UoAs that overlap with these marine mammals, so it is considered only the Bonaerense anchovy fishery.</p>		

	<p>If the progress of this milestone is considered “on target”, the team will maintain the score of 75.</p> <p>-By the third surveillance audit, the client group/fishery must provide measurable quantitative information that demonstrate a highly likely probability that direct effects of the Argentine anchovy (<i>Engraulis anchoita</i>), Bonaerense stock, semi-pelagic mid-water trawl fishery, not hinder recovery of Atlantic dolphin – <i>Delphinus delphis</i>; Dusky dolphin – <i>Lagenorhynchus obscurus</i>; and South America sea lion – <i>Otaria flavescens</i>.</p> <p>If the progress of this milestone is considered “on target”, the team will maintain the score of 75.</p> <p>-By the fourth surveillance audit, the client group/fishery must provide through measurable data that indirect effects have been considered for the Argentine anchovy (<i>Engraulis anchoita</i>), Bonaerense stock, semi-pelagic mid-water trawl fishery, and allow quantitative demonstrate that is highly likely to not create unacceptable impacts.</p> <p>If the progress of this milestone is considered “on target”, the team will re-score this scoring issue using the default assessment tree, giving a final score at least of 80 and closing the condition established.</p>
<p>Client action plan</p>	<p>To show that for the audit of four years are available evidence that meets national and/or international requirements setting limits for ETP species, the client group has requested cooperation to government agencies and research institutions to implement a program research/observation more rigorous to analyse biological limits for ETP species that are affected directly and/or indirectly by the fishery.</p> <p>The actions to be implemented include research groups of the Universidad Nacional de Mar del Plata with data collected by observers on board (INIDEP Observer Program) in vessels of the client group.</p> <p>In this instance the client group will present information regarding the established biological limits to national and/or international and direct and indirect effects of the fishery on populations of marine mammals (Atlantic dolphin – <i>Delphinus delphis</i>; Dusky dolphin – <i>Lagenorhynchus obscurus</i>; and South America sea lion – <i>Otaria flavescens</i>), reports of observers species data related to anchovy fishery, which provides the research group of the Universidad Nacional de Mar del Plata in conjunction with the working groups of INIDEP.</p> <p>General Objective/Actions</p> <p>For the fourth year of surveillance the client group will provide evidence that it is highly likely that the effect of the Unit of Assessment maintains populations of species ETPs, such as marine mammals (Atlantic dolphin – <i>Delphinus delphis</i>; Dusky dolphin – <i>Lagenorhynchus obscurus</i>; and South America sea lion – <i>Otaria flavescens</i>) above biological limits established in national and/or international requirements. Also, evidence will be provided that the direct effects of the evaluation Unit does not hinder their recovery and those indirect effects have been considered and that they do not cause irreversible damage.</p>

	<p>Deadline: 4 years.</p> <p>Objective 1: December 2017</p> <p>Biological limits established will be analysed at national and international level for the above mentioned ETP species. In case that limits have not been previously found, an approximate value will be estimated.</p> <p>A statistical method will be used to calculate the optimum number of observations required to monitor the fleet headed to Bonaerense anchovy during the fishing season in order to begin to estimate the biological limits of the fishery of the ETP species that have not been determined.</p> <p>It will adjust and implement a plan of observer on board coverage for the fleets operating on the Bonaerense anchovy fishery, to assess the impact on catches of the ETP species, watching the actions set out in the framework of National Action Plans for the conservation and management on marine mammals (PAN-Mamíferos).</p> <p>It will be implemented and adjusted a protocol to the current needs that include the acquisition of basic data, in order to monitor the catch of species ETP and evaluate a possible impact of the Bonaerense anchovy fishery on their populations.</p> <p>Observers will be trained on the implementation of the Protocol, considering the actions set out in the framework of the PAN-Mamíferos.</p> <p>They will be providing progress reports for the first year.</p> <p>Objective 2: December 2018</p> <p>Analyse the data collected by observers on board.</p> <p>A possible impact of Bonaerense anchovy fishery on populations of ETP species of marine mammals will be assessed. If populations that interact with the fishery are below safe biological limits, data taking will continue to analyse if there is evidence of recovery.</p> <p>In addition, it will review and determine which are the direct and indirect effects of the UoA on the populations of species ETPs. Data will be collected to determine whether the effects hinder recovery or cause irreversible damage.</p> <p>They will be providing progress reports for the second year.</p> <p>Objective 3: December 2019</p> <p>Data acquired by onboard observers will be analysed.</p> <p>If necessary, measures to minimize the impact of the fishery on ETP species in order not to affect the national and/or international biological limits will be implemented.</p> <p>The progress reports will be provided in the third year.</p> <p>Objective 4: December 2020</p> <p>The final analysis demonstrating that the fishery does not affect populations of (Atlantic dolphin – <i>Delphinus delphis</i>; Dusky dolphin – <i>Lagenorhynchus obscurus</i>; and South America sea lion – <i>Otaria flavescens</i>) according to national and international requirements and also considers the direct and indirect</p>
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	<p>effects, will be completed and evaluated for the fourth year of supervision. If mitigation measures have been implemented, its effectiveness will be studied and the necessary adjustments will be made.</p> <p>To show that for the audit of four years are available evidence that meets national requirements and/or international setting limits for ETP species, the client group has requested cooperation to government agencies and research institutions to implement a program research/observation more rigorous analysis of biological limits for ETP species that are affected directly and/or indirectly by the fishery.</p> <p>The actions to be implemented include research groups of the Universidad Nacional de Mar del Plata with data collected by observers on board (INIDEP Observer Program) in vessels of the client group.</p> <p>In this instance the client group will present information regarding the established biological limits to national and/or international and direct and indirect effects of the fishery on populations of marine mammals (Atlantic dolphin – <i>Delphinus delphis</i>; Dusky dolphin – <i>Lagenorhynchus obscurus</i>; and South America sea lion – <i>Otaria flavescens</i>), reports of observers species data related to anchovy fishery, provided by the research group of the Universidad Nacional de Mar del Plata in conjunction with the working groups of INIDEP.</p>
<p>Progress on Condition [Year 1]</p>	<p><i>Milestone: By the first surveillance audit, the client group/fishery must provide a plan to improve the knowledge about national and/or international requirements that set limits for the ETP species affected by the Bonaerense anchovy fishery (Atlantic dolphin – <i>Delphinus delphis</i>; Dusky dolphin – <i>Lagenorhynchus obscurus</i>; and South America sea lion – <i>Otaria flavescens</i>).</i></p> <p><i>Even if no rescore will be done at this point, the progress of this milestone could be considered to maintain the actual score and comply with the Action Plan as proposed.</i></p> <p><i>Action Plan:</i></p> <p><i>Biological limits established will be analysed at national and international level for the above mentioned ETP species. In case that limits have not been previously found, an approximate value will be estimated.</i></p> <p>There is no information provided related to the biological limits for marine mammals under assessment.</p> <p><i>A statistical method will be used to calculate the optimum number of observations required to monitor the fleet headed to Bonaerense anchovy during the fishing season in order to begin to estimate the biological limits of the fishery of the ETP species that have not been determined.</i></p> <p><i>It will adjust and implement a plan of observer coverage on board the fleets operating on the Bonaerense anchovy fishery, to assess the impact on catches of the species ETP, watching the actions set out in the framework of National Action Plans for the conservation and management on marine mammals (PAN-Mamíferos).</i></p> <p>No document was provided presenting a statistical method to calculate the optimum number of observation (adjusted to the fishery dynamic) to estimate</p>

	<p>the biological limits of ETP species of marine mammals related to the condition.</p> <p>An arbitrary number of 80 days of observation continues to be necessary to monitor the impact of the fishery on seabirds and mammals, including stock assessment. However, this frequency of observation was not completed by vessels linked with the client group (<i>i.e.</i> 10 fishing trips were covered, meaning approximately 30 days of monitoring), due the following aspects:</p> <ul style="list-style-type: none"> -The majority of certified vessels are being subcontracted by the client group for harvest activities related to the certification. So, fishing companies (vessel owners) do not have a direct commitment to board observers due this requirement is not mandatory for the management system. However, the client group signed an agreement prior to the fishing season 2017 (6 August 2017), stating that they are responsible for the development and fulfilment of the Action Plan and the respective certification requirements, including the commitment to board at least 3 fishing trips to an INIDEP observer during the harvest. Some companies did not comply with this agreement. -Also, after the sinking of a fishing vessel in the Argentine Sea, Prefectura Naval Argentina increased the controls and safety requirements on board (<i>e.g.</i> the number of crew members must be proportional to the capacity of the liferafts and the management plans of waste generated on board, must respond to the number of crew for which it was calculated), thus restricting the approach of INIDEP observers. -During the last years, the number of vessels addressed to catch anchovy has been decreasing due to the lack of commercial interest in the fishery. These vessels participate in other fisheries as hake or “Variado Costero Bonaerense”. So, the number of fishing trips addressed to harvest Bonaerense anchovy is limited by economical aspects and the arbitrary number of coverage could be not representative for each fishing season, being even overestimated. <p>There is a notification system for the departure of vessels maintained with SSPyA, in which the responsible of INIDEP OBO Program contacts the fishing companies to schedule the on boarding of a scientist to the monitoring (as mentioned in the document: ‘Acta Resumen de la Reunión del Grupo de Trabajo – Certificación OIA-MSC Anchoita Bonaerense, 26/10/2017’); the plan was not complied neither adjusted in the first year of certification.</p> <p><i>It will be implemented and adjusted a protocol to the current needs that include the acquisition of basic data, in order to monitor the catch of species ETP and evaluate a possible impact of the Bonaerense anchovy fishery on their populations.</i></p> <p>There is no evidence provided about the adjustment of protocol to evaluate the possible impact of the fishery with marine mammal populations.</p> <p><i>Observers will be trained on the implementation of the Protocol, considering the actions set out in the framework of the PAN-Mamíferos.</i></p> <p>There are no records provided in order to comply with trainings that allow to ensure the implementation of the protocol.</p>
Status of condition	The assessment team considered that there is no information provided by the

	client group that allows to verify the execution of milestones proposed in the action plan for the first year and the condition is being addressed. According the GCRv2.1-7.4.2.3, the fishery certificate shall be suspended.
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Conclusion.

During the re-certification process, it was set only one condition to the fishery. However, no evidence was provided to the assessment team in order to verify the progress of condition and the execution of milestones proposed for the first year of certification.

According to MSC General Certification Requirements v2.1, clause 7.4.2.3, the fishery certificate shall be suspended until causes shall be fully addressed.

During suspension period, the certificate holders shall:

- Not to sell any fish caught after the day of suspension as MSC-certified. Fish caught prior to the date of suspension may continue to be sold after the date of suspension as MSC-certified. OIA confirms that the client group has the ability to segregate fish based on date of capture, due the Argentine anchovy fishery, Bonaerense stock, operates according fishing season. Currently, the fishing season related of 2017 has ended and the 2018 catch has not started yet.

- To advise existing and potential customers in writing of the suspension within 4 days of the OIA's instruction to do so;

- To keep records of advice to customers; and,

- Not to make any claims of MSC certification from the day of suspension.

Also, the certificate holder must provide a documented corrective action plan for addressing the cause of suspension, that must be accepted by OIA as being able to address the cause(s) for suspension, within 90 days from the date of suspension. The corrective action plan shall include a binding timeframe. If it is accepted, OIA will instruct the certificate holder to implement the corrective action plan and post it on the scheme database for publication on the MSC website, confirming their acceptance. In case that the certificate holder does not submit an acceptable corrective action plan in the timeframe established, OIA withdraw the certificate.

When OIA has verified that the fishery certificate holder has addressed the reason for suspension, OIA will reinstate the certificate, producing a report documenting evidence that describes how the cause of suspension has been satisfactorily addressed and a statement confirming the reinstatement of the certificate.

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Appendices.

Appendix 1. Re-scoring evaluation tables

In the first surveillance audit, the assessment team concluded that there is not new information that cause re-scoring of PIs assessed.

Appendix 2. Stakeholder submissions

There are not any comments during the annual surveillance audit process that require explicit responses of the team.

Appendix 3. Surveillance audit information

All surveillance audit information was included in the report.

Appendix 4. Additional detail on conditions/actions/results

There are not any additional details on conditions, actions and results.

Appendix 5. Revised Surveillance Program

At the moment, the Surveillance Program published in the Public Certification Report (2016) is not subject of revision.



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