

**INTERNATIONAL DOLPHIN CONSERVATION PROGRAM  
INTERNATIONAL REVIEW PANEL**

**MINUTES OF THE 27<sup>TH</sup> MEETING**

**San Salvador (El Salvador)**

**June 13-14, 2001**

**Presider: Mara Murillo (Mexico)**

**AGENDA**

1. Opening of the meeting
2. Election of the Presider
3. Adoption of the agenda
4. Review of list of qualified captains
5. Review of Dolphin Mortality Limits (DMLs) for 2001
6. Determination of a pattern of violations (Annex IV(1)7)
7. System to measure DML utilization to deter frivolous requests (Annex IV(2)2)
8. Status of real-time reporting system
9. Application of guidelines for determining sack-up infraction
10. Review of observer data
11. Review of actions by Parties on possible infractions reported by the IRP
12. Review of Tuna Tracking Forms
13. Comparison of observer programs
14. Report of the Permanent Working Group on Tuna Tracking
15. Review of vessel assessments
16. Other business
17. Place and date of next meeting
18. Adjournment

**DOCUMENTS**

- |           |  |
|-----------|--|
| IRP-27-04 | Measuring the performance of fishing captains              |
| IRP-27-06 | Systems for determining patterns of infractions (attached) |
| IRP-27-07 | System for measuring utilization of DMLs (attached)        |
| IRP-27-08 | Status of real-time reporting system (attached)            |
| IRP-27-14 | Vessel assessments for 2002 (attached)                     |
| IRP-27-16 | IRP Annual Report (draft)                                  |

**APPENDICES**

1. List of attendees
2. Initial DML assignments and reallocations of DMLs for 2001
3. 2000 DMLs
4. Details of TTFs received, 2000-2001

The 27<sup>th</sup> Meeting of the International Review Panel (IRP) was held in San Salvador (El Salvador) on June 13-14, 2001. The attendees are listed in Appendix 1.

### **1. Opening of the meeting**

The meeting was opened by Dr. Robin Allen, Director of the Inter-American Tropical Tuna Commission (IATTC), which serves as the Secretariat to the Agreement on the International Dolphin Conservation Program (AIDCP).

### **2. Election of the President**

Lic. Mara Murillo of Mexico was elected President of the meeting.

### **3. Adoption of the agenda**

The agenda was adopted without modifications, but some delegations noted that they wished to discuss the minutes of the 26<sup>th</sup> meeting of the IRP under "Other business".

### **4. Review of list of qualified captains**

The Secretariat presented an updated list, in a coded format, of the qualified captains whom the Parties had asked to be added to the list, and of the captains who should be removed from the list because of certain infractions they had committed. The Panel agreed to add 10 captains to and remove 5 captains from the list. It was noted that all procedures for the removal and reinstatement of captains must be done in accordance with the *Procedures for Training and Identification of Fishing Captains Qualified to Fish on Vessels under the AIDCP* established by the IRP on October 14, 1998. It was also noted that, in accordance with those procedures, in order for a disqualified captain to be reinstated on the list, it is necessary that he first attend a re-training course organized by the IATTC staff, or by the pertinent national program in coordination with the IATTC staff.

It was agreed that the Secretariat should consider organizing, in cooperation with the national programs, a permanent training system with periodic training sessions.

### **5. Review of Dolphin Mortality Limits (DMLs)**

The Secretariat reviewed the initial DML assignments and the reallocations of DMLs for 2001 (Appendix 2), and also presented the final data relating to the 2000 DMLs (Appendix 3).

The average DML (ADML) in 2000 was 44.55. Of the 109 full-year DMLs assigned for 2000, 89 were utilized, and the average dolphin mortality per vessel was 18.0, though the data for two vessels are incomplete because each vessel made one trip without an observer aboard during all or part of the trip. Seven second-semester DMLs of 14 animals each were assigned, none of which were utilized.

The ADML in 2001 is 59.75, and 64 of the 82 vessels that were assigned DMLs had utilized them by the April 1 deadline; the rest had either been forfeited or retained under the *force majeure* exemption of the AIDCP. The average mortality per vessel was 8.67 as of June 1. Three vessels had been issued second-semester DMLs of 19 animals each.

Dr. Allen noted that the Secretariat understood that, in the absence of a formal objection, certain possible infractions from 2000 which were still under investigation would be deemed to be confirmed, in accordance with Annex IV (III) (4) of the AIDCP, thus preventing upward adjustment of the DMLs of the vessels in question in 2002. Some members thought that notification that an investigation was being undertaken should be considered a formal objection. It was agreed this should be considered by the Meeting of the Parties.

## **6. Determination of a pattern of violations (Annex IV (1) (7))**

The AIDCP calls for the Parties to decide what is meant by a “pattern of violations” of the Agreement. The Secretariat had circulated a proposal on this subject to the IRP prior to its 26<sup>th</sup> Meeting. It was agreed at that meeting that additional analysis should be done and that the matter should be considered further at the present meeting. The Secretariat prepared another paper (Document IRP-27-06; attached) to assist the Parties in their consideration of what constitutes a pattern of violations.

Several delegations and one NGO environmental representative spoke against a “point” system, as suggested in the Secretariat’s paper, to determine a pattern of violations, believing that it was too complicated. One delegation expressed concern over the automatic nature of any such system, noting that decisions regarding infractions were often subjective and required discussion by the Parties. Another delegation expressed its view that the time was not right to proceed with deciding this matter and that it should be postponed. The discussion ended with the suggestion by the Chair that Panel members should forward any ideas on how to address this issue to the Secretariat, and the matter could be analyzed in more detail at a future meeting.

The United States asked the Secretariat to prepare, for the next meeting of the IRP, information showing the performance of each captain in reducing dolphin mortalities, and the record of possible infractions of the AIDCP by each captain and vessel, from January 1, 2000, to the present.

## **7. System to measure DML utilization to deter frivolous requests (Annex IV (2)(2))**

The Secretariat had circulated a proposal on this subject to the IRP prior to its 26<sup>th</sup> Meeting (see minutes, IRP 26<sup>th</sup> Meeting, Appendix 6). The Parties had differing views on the extent to which frivolous requests for DMLs was a serious problem, and it was agreed that the issue would be addressed again at the present meeting, and that the Secretariat would prepare and circulate before the meeting a revision of the tables presented in its proposal to include total dolphin mortality and mortality per set for each vessel with a DML. The Secretariat presented and explained this new analysis (Document IRP-27-07; attached) to the Panel.

Mexico expressed its view that the provision of the AIDCP that a vessel must make only one set on dolphins prior to April 1 in order to retain its DML for the rest of the year, unless its failure to set on dolphins is due to *force majeure* or extraordinary circumstances, should be changed. An increased minimum number of sets on dolphins and a minimum catch of tuna associated with dolphins should be established as criteria for determining whether a vessel could retain its DML throughout the year.

An NGO industry representative supported the Mexican view and proposed a minimum of 10 sets and a catch of 30 tons of tuna.

The United States noted that frivolous requests for DMLs did not appear to be a serious problem and expressed its concern over changing the AIDCP to require a minimum number of sets on dolphins.

The meeting did not reach any conclusion on this matter, and it was left as a pending issue that could be addressed in the future at a Meeting of the Parties.

## **8. Status of real-time reporting system**

The Secretariat presented Document IRP-27-08 (attached), noting that, while the reporting rate in 2001 (to April 29) of 45% was an improvement over the overall reporting level of only about 30% in 2000, the weekly At-Sea Reports are typically received from less than half the vessels.

The Panel agreed that the Parties should be urged to approach the owners of vessels under their jurisdiction in an effort to improve the reporting rate.

## **9. Application of guidelines for determining sack-up infraction**

The Secretariat noted that there were two cases where the application of the guidelines for determining a possible sack-up violation were relevant, and that these cases would be examined during the observer data review.

## **10. Review of observer data**

The Secretariat presented the data reported by observers of the On-Board Observer Program relating to possible infractions that had occurred since the Panel's previous meeting. Each case was discussed, and the Panel decided to forward those that indicated possible infractions of the AIDCP to the responsible government for investigation and possible sanction.

In respect of a situation in which the flag government had investigated the case and arrived at a conclusion before the meeting, the Panel invited the Government concerned to provide a summary of its investigation and conclusion for review.

## **11. Review of actions by Parties on possible infractions reported by the IRP**

The Secretariat presented information on the actions taken by the Parties with respect to certain possible infractions reported to them by the IRP during the last three meetings of the Panel.

The Panel agreed to recommend that the Parties report to the Secretariat, before the next meeting of the Panel, information with respect to what sanctions are in their legislation for infractions of the AIDCP. It was noted that the Panel had agreed at its last meeting that the Parties would inform the Secretariat by May 1 of the sanctions contemplated in their respective laws and regulations for infractions of the AIDCP.

## **12. Review of Tuna Tracking Forms**

The Secretariat reviewed relevant information (Appendix 4) regarding the Tuna Tracking Forms (TTFs), showing the number and percentage of TTFs received by the Secretariat for fishing trips in the eastern Pacific made during 2000 and during 2001, to June 1.

## **13. Comparison of observer programs**

The Director reminded the Panel that he had circulated to the Parties a request from the United States that information regarding the national observer programs and the Commission observer program be compared and analyzed.

The United States delegation commented on the importance of this analysis to its government. It was agreed that the national programs would provide the relevant information to the Secretariat, and that they would jointly do the appropriate analysis prior to the next meeting of the IRP.

## **14. Report of the Permanent Working Group on Tuna Tracking**

The IRP Presider requested the Chair of the Permanent Working Group to report directly to the Meeting of the Parties on this matter since no agreement had been reached and there was no formal action to be taken by the IRP.

## **15. Review of vessel assessments**

The Secretariat introduced this subject (Document IRP-27-14; attached), showing the costs of the International Dolphin Conservation Program (IDCP) and the revenues from vessel assessments. Dr. Allen advised that the estimated costs incurred for IATTC activities related to the implementation of the IDCP in 2000 and 2001 have been greater than the revenue from vessel assessments, and are also

expected to be greater in 2002.

In order for the assessments for 2002 to cover operating costs in 2002 plus the deficit accumulated in 2000 and 2001, vessel assessments will have to be increased by US\$1.05, or 8%, to US\$13.60 per cubic meter of well volume.

After some discussion, in which it was noted that an increase in fees would mean an additional financial burden to the industry, the delegations decided not to recommend to the Meeting of the Parties that the vessel assessments be increased.

## **16. Other business**

The minutes of the 26<sup>th</sup> meeting of the IRP were discussed. Written proposals for modifications were presented to the meeting, and, after discussion by the delegations, a revised set of minutes was adopted.

The Panel approved a questionnaire designed to obtain information from captains on their reasons for releasing dolphins by releasing the ortza in lieu of backdown, and agreed that another questionnaire should be developed to obtain information from qualified captains regarding their general experience in releasing the ortza for this purpose.

It was decided to reward the three captains with the best performances (as described in document IRP 27-04) in reducing the mortality of dolphins during fishing operations by giving them a plaque and a letter of commendation, a copy of which would also be sent to the appropriate government and the owner of the vessel.

The United States noted that it had undertaken to prepare a paper addressing a mechanism for rapid responses to certain violations of the AIDCP, and that it hoped to have the document available for discussion at the next meeting of the IRP. The Chair asked that an effort be made to circulate any paper on this subject to the Panel members at least one month prior to the IRP meeting.

The Secretariat asked governments for their comments, if any, on the draft IRP Annual Report for 2000. Any comments received by July 5 could be incorporated into the final text.

## **17. Place and date of next meeting**

It was decided that the next IRP meeting will be held in October 2001 in Cartagena (Colombia).

**Appendix 1.**

**INTERNATIONAL DOLPHIN CONSERVATION PROGRAM  
PROGRAMA INTERNACIONAL PARA LA CONSERVACIÓN DE LOS DELFINES**

**PANEL INTERNACIONAL DE REVISION  
INTERNATIONAL REVIEW PANEL**

**27<sup>TH</sup> MEETING – 27<sup>a</sup> REUNION**

**13-20 de junio de 2001– June 13-20, 2001  
San Salvador (El Salvador)**

**ASISTENTES - ATTENDEES**

**COLOMBIA**

**FABIO AVILA ARAUJO**  
**IVAN DARIO ESCOBAR**  
Instituto Nacional de Pesca y Acuicultura  
**CLARA GAVIRIA**  
**MARIA EUGENIA LLOREDA**  
Ministerio de Comercio Exterior

**JORGE MICAN BAQUERO**  
Ministerio de Agricultura y Desarrollo Rural  
**ARMANDO HERNANDEZ**  
**DIEGO CANELOS**

**COSTA RICA**

**HERBERT NANNE ECHANDI**  
INCOPESCA

**ASDRÚBAL VASQUEZ**

**ECUADOR**

**RAFAEL TRUJILLO BEJARANO**  
**LUIS TORRES NAVARRETE**  
Ministerio de Comercio Exterior, Industrialización y Pesca

**EL SALVADOR**

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CENDEPESCA – SICA/OSPESCA  
**SONIA SALAVERRIA**  
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**VERONICA NAVASCUEZ**  
Centro de Desarrollo Pesquero

**MARGARITA SALAZAR DE JURADO**  
Comité Científico Nacional  
**ABDÓN AGUILLON**  
Ministerio de Economía

**EUROPEAN UNION – UNION EUROPEA**

**ALAN GRAY**  
**CHRISTOPHE LE VILLAIN**  
European Commission  
**JUAN IGNACIO ARRIBAS**  
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**MANUEL CALVO**  
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**VICTOR LEDON**  
**MARK ROBERTSON**  
**JOSE RODRIGUEZ**  
**PETER WADSWORTH**

**PERU**

**GLADYS CARDENAS**  
Instituto del Mar del Perú

**UNITED STATES OF AMERICA - ESTADOS UNIDOS DE AMERICA**

**WILLIAM GIBBONS-FLY**  
**DAVID HOGAN**  
U.S. Department of State

**REBECCA LENT**  
**JAMES LECKY**  
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**J. ALLISON ROUTT**  
**NICOLE LEBOEUF**  
**BRETT SCHNEIDER**  
National Marine Fisheries Service  
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**VANUATU**

**HUGO ALSINA LAGOS**  
Office of Deputy Commissioner of Maritime Affairs

**VENEZUELA**

**JEAN FRANCOIS PULVENIS**  
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**CAROLINA BELTRAN**  
**LUIS MARRERO**  
**ZAYMAR VARGAS**  
Ministerio de Producción y Comercio

**ALVIN DELGADO**  
Programa Nacional de Observadores  
**FREDDY DE CORDOVA**  
**JON CELAYA**

**ORGANIZACIONES NO GUBERNAMENTALES--NON-GOVERNMENTAL ORGANIZATIONS**

**NINA YOUNG**  
Center for Marine Conservation  
**HECTOR LOPEZ**  
FUNDATUN

**KATHLEEN O'CONNELL**  
Whale & Dolphin Conservation Society

**INDUSTRIA ATUNERA -TUNA INDUSTRY**

**JOSE J. VELAZQUEZ**

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**JOSHUE GROSS**  
**BRIAN HALLMAN**  
**BERTA JUAREZ**  
**NICHOLAS WEBB**

## Appendix 2

### PROGRAMA INTERNACIONAL PARA LA CONSERVACIÓN DE LOS DELFINES INTERNATIONAL DOLPHIN CONSERVATION PROGRAM

RESUMEN DE ASIGNACIONES DE LMD PARA 2001 SUMMARY OF DML ALLOCATIONS FOR 2001				
País Country	Asignación inicial Initial allocation	LMD no utilizados Unutilized DMLs	Solicitud de exención por causas de fuerza mayor <i>Force majeure</i> requests	LMD de 2 <sup>do</sup> semestre 2 <sup>nd</sup> semester DMLs
COL	5	0	0	0
MEX	44	12	11	1 <sup>1</sup>
PAN	2	2	1	0
PER	0	0	0	1
SLV	1	1	0	0
USA	1 <sup>2</sup>	0	0	1
VEN	24	2	2	0
VUT	5 <sup>3</sup>	1	0	0
<b>Total</b>	<b>82</b>	<b>18</b>	<b>14</b>	<b>3</b>

Gobiernos que reasignaron LMD al 5 de mayo Governments that reallocated DMLs by May 5:	5
<b>Asignación total de LMD no reservado de la flota después de la reasignación Total allocation from unreserved fleet DML after reallocation:</b>	<b>4877</b>

<sup>1</sup> Renunció a un LMD adicional antes del proceso de reasignación – An additional DML was surrendered prior to reallocation process.

<sup>2</sup> El buque cambió de pabellón a Panamá – The vessel changed flag to Panama.

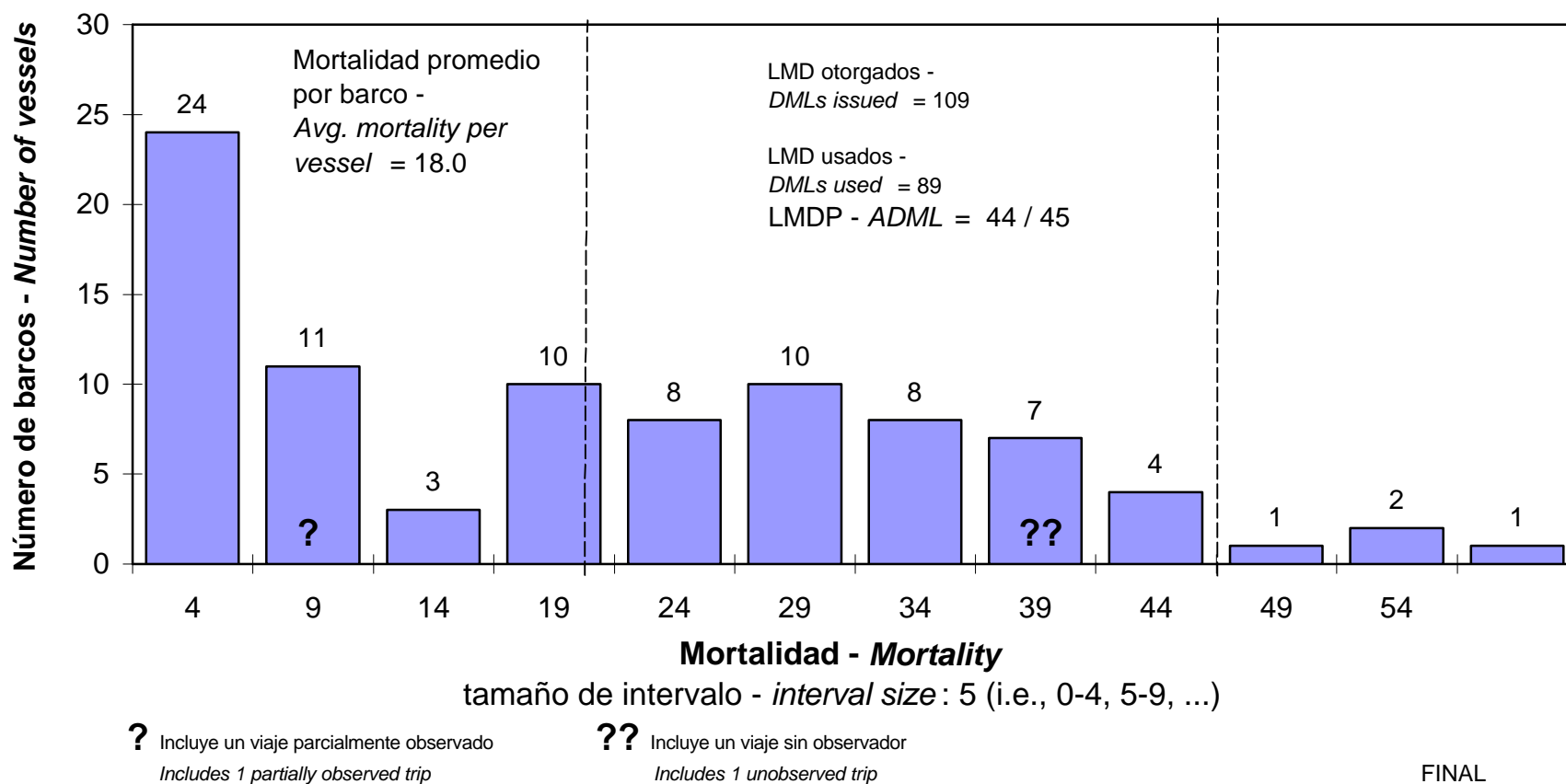
<sup>3</sup> Tres buques cambiaron de pabellón a Ecuador, Nicaragua y Venezuela, respectivamente – Three vessels changed flag to Ecuador, Nicaragua, and Venezuela, respectively.



Appendix 3

**MORTALIDAD CAUSADA POR BARCOS CON LMD - 2000**  
**MORTALITY CAUSED BY DML VESSELS - 2000**

(Uso de LMD = 1 o más lances intencionales sobre delfines; mortalidad en lances experimentales excluída  
*DML use = 1 or more intentional sets on dolphins; experimental set mortality excluded*)



## Appendix 4

### PROGRAMA INTERNACIONAL PARA LA CONSERVACIÓN DE LOS DELFINES INTERNATIONAL DOLPHIN CONSERVATION PROGRAM

RSA recibidos <sup>a</sup> por la CIAT para viajes del PICD en 2000 TTFs received <sup>a</sup> by IATTC for IDCP trips in 2000					
País Country	Viajes Trips	No. Recibido No. Received		% Recibido % Received	
		Autoridad nac. Nat. Authority <sup>b</sup>	Totales Totals	Autoridad nac. Nat. Authority	Totales Totals
COL	17	0	15	0%	88%
ECU	220	29	220	13%	100%
EUR	30	0	30	0%	100%
HON	8	0	8	0%	100%
MEX	181	53	130	29%	72%
NIC	6	5	6	83%	100%
PAN	21	0	21	0%	100%
USA	21	9	21	43%	100%
VEN	91	50	91	55%	100%
VUT	43	4	43	9%	100%
<b>Total</b>	<b>638<sup>c</sup></b>	<b>150</b>	<b>585</b>	<b>24%</b>	<b>92%</b>

<sup>a</sup> Al 1 de junio de 2001 – As of June 1, 2001

<sup>b</sup> Por parte de la autoridad nacional de cuya jurisdicción es el buque o del país de procesamiento - From national authority of flag of jurisdiction or tuna processing state.

<sup>c</sup> Excluye 8 viajes sin captura en el OPO – Excludes 8 trips with no catch in the EPO

RSA recibidos <sup>a</sup> por la CIAT para viajes del PICD en 2001 <sup>b</sup> TTFs received <sup>a</sup> by IATTC for IDCP trips in 2001 <sup>b</sup>					
País Country	Viajes Trips	No. Recibidos No. Received		% Recibido % Received	
		Autoridad nac. Nat. Authority <sup>c</sup>	Totales Totals	Autoridad nac. Nat. Authority	Totales Totals
COL	4	0	3	0%	75%
ECU	61	35	61	57%	100%
EUR	7	0	7	0%	100%
HON	1	0	1	0%	100%
MEX	46	8	29	17%	63%
NIC	2	1	2	50%	100%
PAN	3	1	3	33%	100%
SLV	1	0	1	0%	100%
USA	9	3	8	33%	89%
VEN	38	22	38	58%	100%
VUT	11	4	11	36%	100%
<b>Total</b>	<b>183</b>	<b>74</b>	<b>164</b>	<b>40%</b>	<b>90%</b>

<sup>a</sup> Al 1 de junio de 2001 – As of June 1, 2001

<sup>b</sup> Viajes completos al 1 de mayo de 2001 – Completed trips as of May 1, 2001

<sup>c</sup> Por parte de la autoridad nacional de cuya jurisdicción es el buque o del país de procesamiento - From national authority of flag of jurisdiction or tuna processing state.

INTERNATIONAL DOLPHIN CONSERVATION PROGRAM  
PROGRAMA INTERNACIONAL PARA LA CONSERVACION DE LOS DELFINES

**INTERNATIONAL REVIEW PANEL**

**27<sup>TH</sup> MEETING**

SAN SALVADOR (EL SALVADOR)  
JUNE 13-14, 2001

**DOCUMENT IRP-27-06 (REV)**

**SYSTEMS FOR DETERMINING PATTERNS OF INFRACTIONS**

**1. SYSTEM PROPOSED AT THE 26<sup>TH</sup> MEETING OF THE IRP**

The 26<sup>th</sup> meeting of the IRP in January 2001 considered a proposal by which a captain would be determined to have a pattern of infractions if he committed two major infractions or four infractions of any kind during a period of two years. Figures 1 and 2 show the results of applying this proposal to data for 1999-2000.

24% of the captains had two or more major infractions and 45% had four or more infractions of any kind, either of which would have led to their being determined to have a pattern of infractions in terms of that proposal. However, an analysis of the circumstances and characteristics of the infractions reveals an inherent unfairness in the system, because it does not take into account the degree of seriousness of some offenses. For instance, for an infraction of observer interference, it does not discriminate between a captain who refuses the observer access to the bridge to record data and a captain who physically assaults an observer. Some consideration of the type and degree of interference would make the system more just. Also, the significance of certain infractions, such as the lack of some dolphin-saving gear, increases with a vessel's level of participation in the fishery for tunas associated with dolphins.

**2. POINT SYSTEMS**

An alternative possibility is to use a system of points, which allows a degree of flexibility in considering certain infractions, and takes into account the activity of the vessel. The Secretariat proposes that a system of points be adopted for determining a pattern of infractions, and has prepared the system in Table 1 as a starting point for discussion.

In cases in which the penalty for an infraction is a range of points, the IRP would need to assign a value within that range to the possible infraction, reflecting its evaluation of the seriousness of the infraction. Infractions with a severe impact on the success of the program can be penalized at a very high level. Also the suggested fixed values could be modified by the IRP if it determines that there are either extenuating or aggravating circumstances.

The number of points that would trigger sanctions or disqualification of a captain would also need to be decided. A simple analysis was carried out with data for 1999-2000, using the per-set values for System B, and assigning 10 points for all cases of observer interference under System A and 75 points under System B.

The problem with System A is that some infractions tend to dominate the totals; 20 sets with explosive use during a trip will account for more points than fishing without an observer on board or fishing on dolphins after reaching the DML. One solution would be to set a maximum for some set infractions (Group II): for instance, each case of use of explosives would count 1 point, but the total for a trip could not exceed 7. The trouble with this approach is that some infractions become "free", and there is no reason not to commit them after reaching the limit.

Under System B, the major infractions are given a very high value, and no limits are set for any infractions. Gear infractions (Group III) could be scored either per trip or per set.

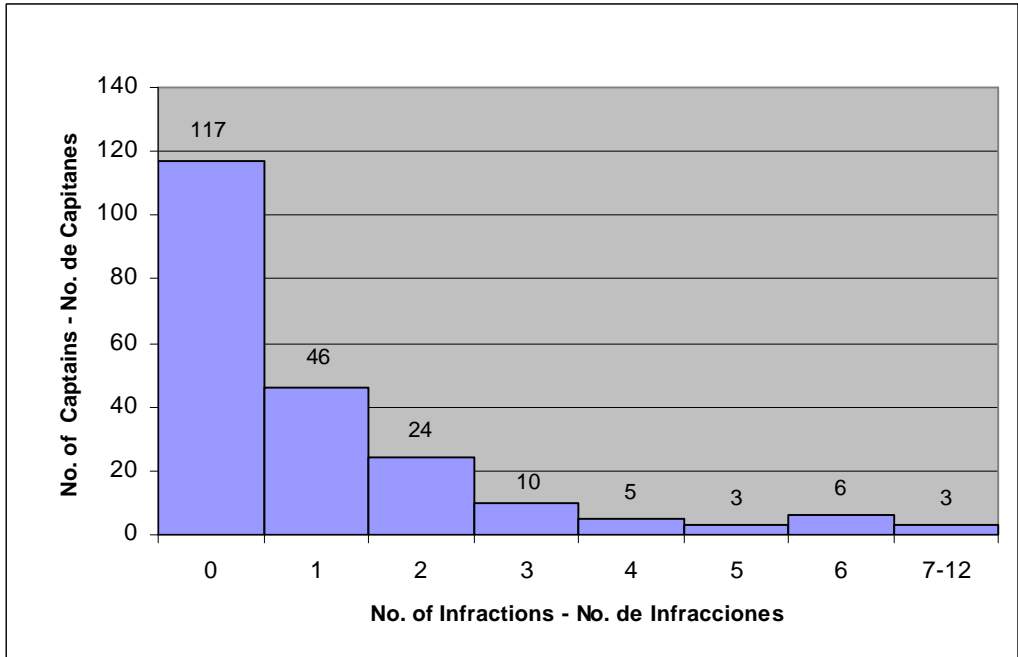
**Table 1.**

INFRACTION	SYSTEM A		SYSTEM B	
	per	points	per	points
<b>I. Major infractions</b>				
Fishing without an observer	trip	10	trip	500
Setting on dolphins without a DML	trip	10	set	20
Fishing on dolphins after reaching DML	trip	10	set	20
Setting on a banned stock (after reaching SML)	trip	10	set	20
Captain not on the Qualified Captains List	trip	10	trip	200
			set	20
Intentionally harming a dolphin	event	10	event	50-100
Observer interference	event	5-10	event	10-100
Fishing without a DSP	trip	7	trip	50
			set	10
No backdown	set	5	set	5
<b>II. Set infractions</b>				
Sacking up or brailing live dolphins	set	5	set	5
Use of explosives	set	1	trip	20
			set	1
No rescue	set	5	set	5
Night set	set	1	set	1
<b>III. Gear infractions</b>				
No raft	trip	5	trip	5
			set	3
No floodlight	trip	3	trip	3
			set	1
No bridles	trip	1	trip	3
			set	1
No mask and snorkel	trip	1	trip	3
			set	1

The two systems were applied to data for 1999-2000, to examine the scores and distributions. Figures 3-6 illustrate the results.

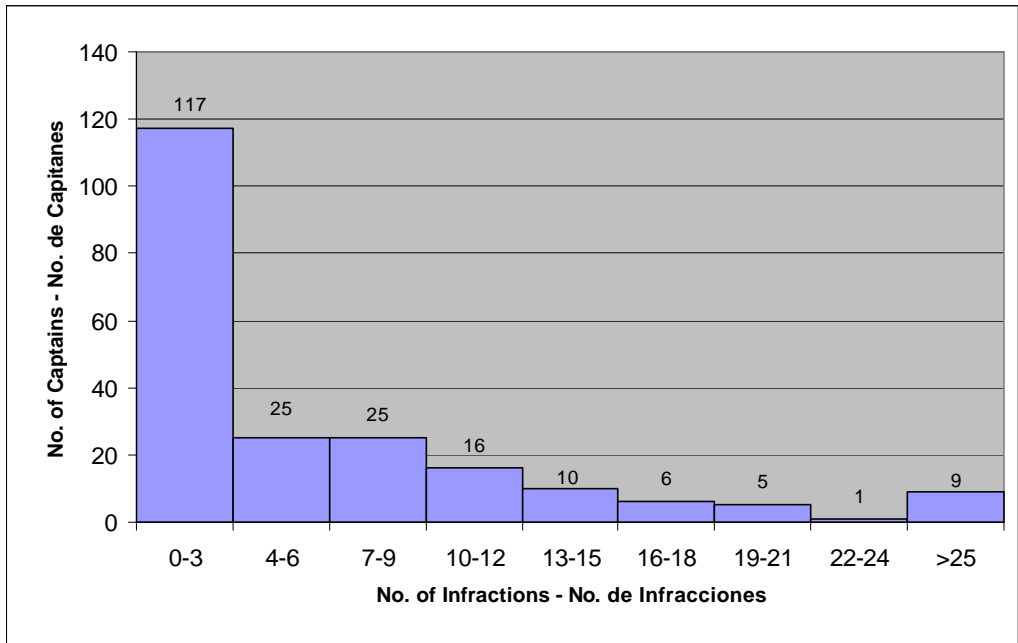
The system could be applied to periods of two or three years, eliminating the data for the earliest year at the beginning of a new year. The scores for all vessels would be computed every year and the results circulated to each Party. It would also be necessary to agree on the number of points that would constitute a pattern of infractions.

Figure 1. Distribution of major infractions among captains, 1999-2000.



	No. Capt	%	Cumm. Acum.
0	117	54.7%	
1	46	21.5%	76.2%
2	24	11.2%	87.4%
3	10	4.7%	92.1%
4	5	2.3%	94.4%
5	3	1.4%	95.8%
6	6	2.8%	98.6%
7-12	3	1.4%	100.0%
TOTAL	214	100.0%	

Figure 2. Distribution of all infractions among captains, 1999-2000



	No. Capt	%	Cumm. Acum.
0-3	117	54.7%	
4-6	25	11.7%	66.4%
7-9	25	11.7%	78.0%
10-12	16	7.5%	85.5%
13-15	10	4.7%	90.2%
16-18	6	2.8%	93.0%
19-21	5	2.3%	95.3%
22-24	1	0.5%	95.8%
>25	9	4.2%	100.0%
TOTAL	214	100.0%	

Figure 3. Distribution of points from major infractions using System A, 1999-2000.

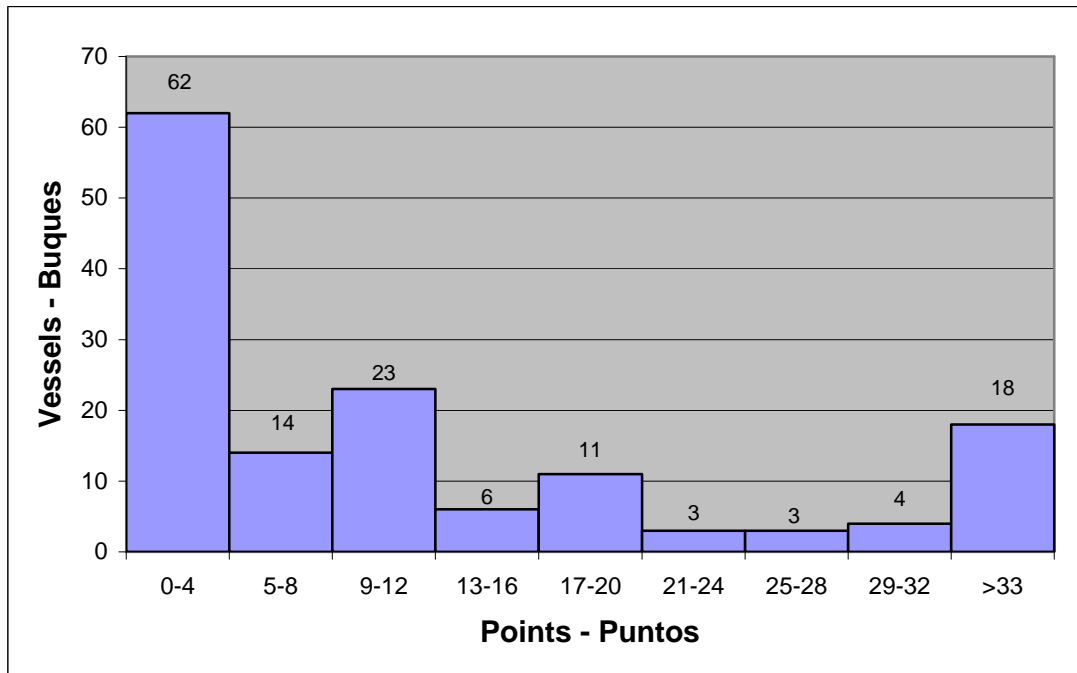


Figure 4. Distribution of points from all infractions using System A, 1999-2000.

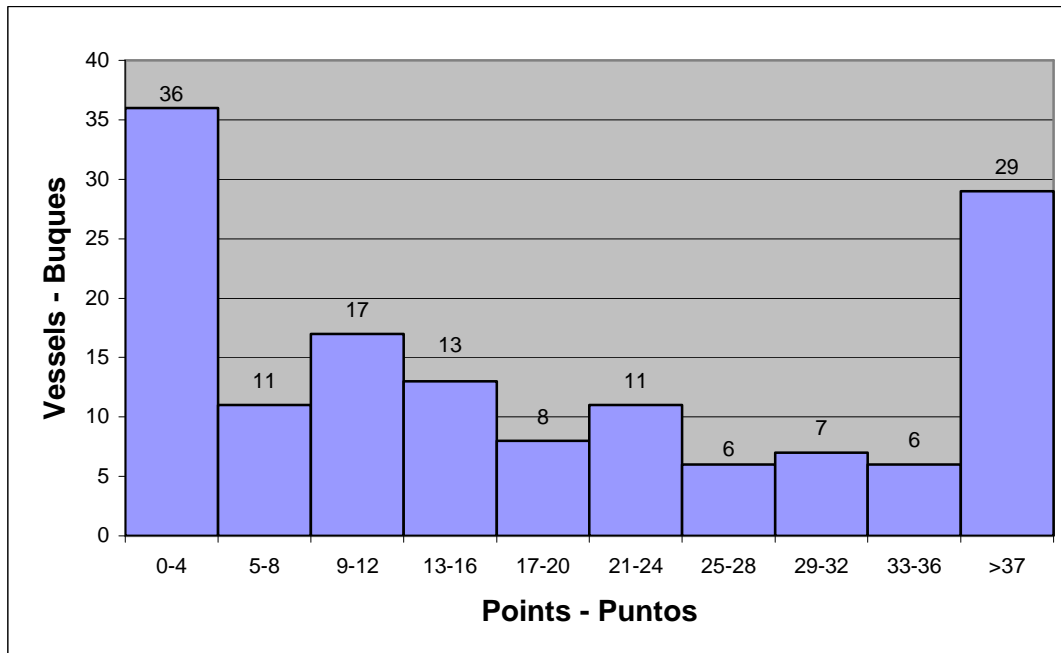


Figure 5. Distribution of points from major infractions using System B, 1999-2000.

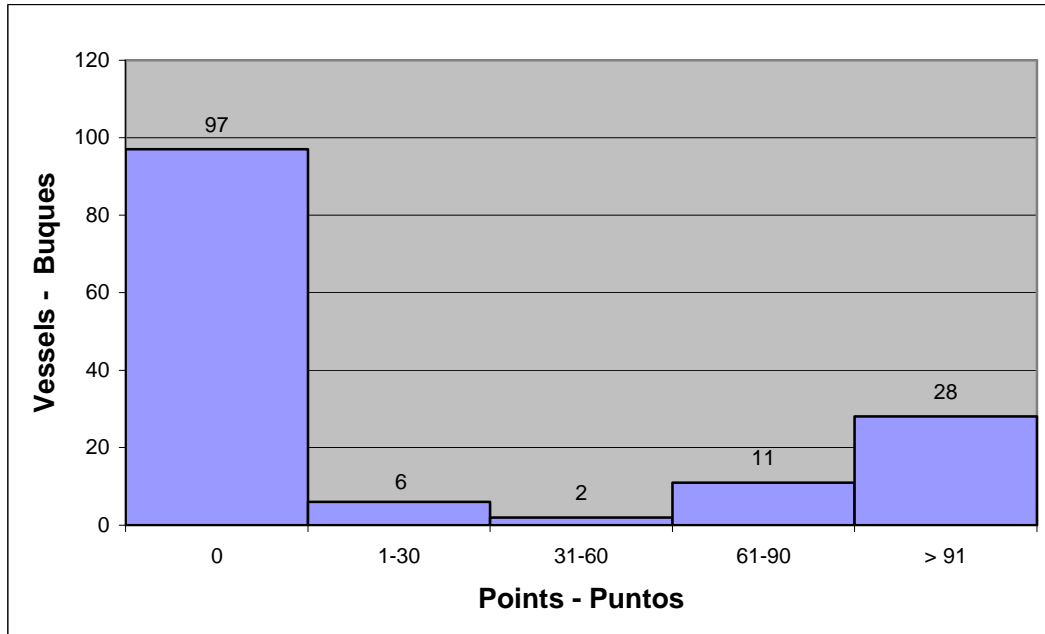
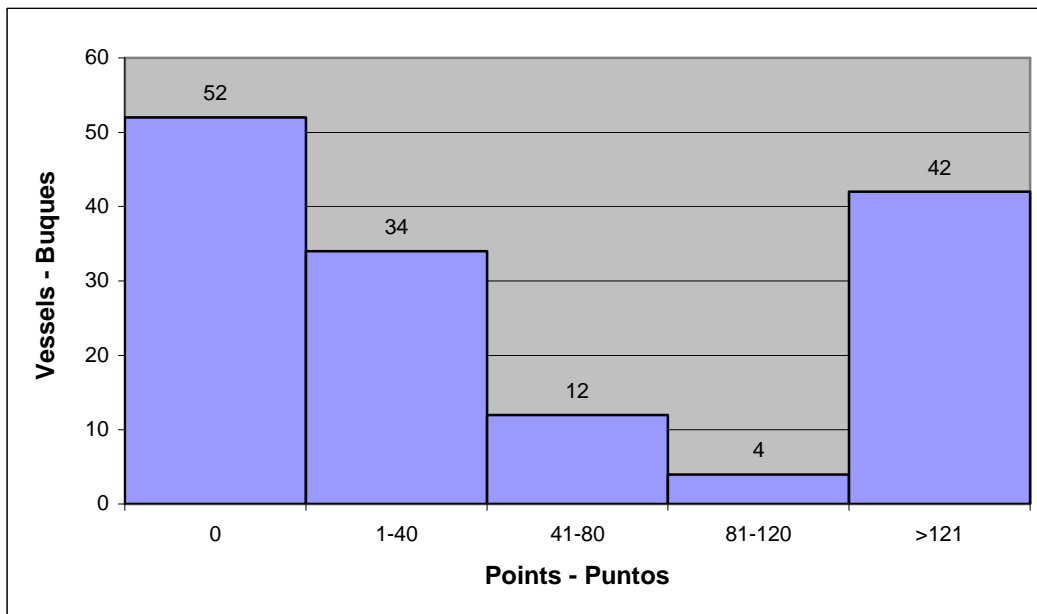


Figure 6. Distribution of points from all infractions using System B, 1999-2000.



INTERNATIONAL DOLPHIN CONSERVATION PROGRAM  
PROGRAMA INTERNACIONAL PARA LA CONSERVACION DE LOS DELFINES

**INTERNATIONAL REVIEW PANEL**

**27<sup>TH</sup> MEETING**

SAN SALVADOR (EL SALVADOR)

JUNE 13-14, 2001

**DOCUMENT IRP-27-07**

**SYSTEM FOR MEASURING UTILIZATION OF DMLs**

**1. INTRODUCTION**

The Agreement on the International Dolphin Conservation Program (AIDCP) requires the development of a system to measure the utilization of Dolphin Mortality Limits (DMLs) in order to deter frivolous requests for DMLs. Tables showing the number of dolphin sets and catches taken in dolphin sets by vessels with DMLs were provided to the 26<sup>th</sup> Meeting of the International Review Panel (IRP) as a means of measuring DML utilization. Several suggestions were made by the members to improve the information in the tables, and these suggestions have been incorporated in Tables 1 and 2 of this report.

At the 26<sup>th</sup> meeting two views were expressed. Some members believed that the data presented in the Secretariat's paper showed that the provisions of the AIDCP to address the potential problem of frivolous requests for DMLs were working, and that no additional measures were necessary. Other members thought that additional work to analyze the matter more closely would be useful.

**2. DESCRIPTION OF THE TABLES**

The information on mortality and mortality per set is based on all trips with observers, while the percentages of dolphin sets and the catch information are from trips with IATTC observers only. Vessels are identified by number for reasons of confidentiality.

Table 1 shows the following variables for each active vessel in 1999 and 2000:

- a. Number of dolphin sets (intentional sets only)
- b. Total number of sets of all types
- c. Percentage of dolphin sets
- d. Number of dolphin sets with catch
- e. Percentage of the catch made on dolphins
- f. Incidental dolphin mortality
- g. Average mortality per set

Table 2 shows a combined 1999+2000 total for the percentage of dolphin sets, the percentage of the catch made on dolphins, and the average mortality per set.

The data in the table are arranged in ascending order of the percentage of sets made on dolphins by each vessel in the two years combined, based on data from IATTC observers. The column headed "Cumulative" shows the percentage of the fleet that made that proportion or less of its sets on dolphins.



**TABLE 1.** Proportions of sets and catches made on dolphins, by vessel, 1999-2000. - : vessel did not have a DML; \* : vessel did not make any intentional dolphin sets; < : vessel made less than 10 dolphin sets.

**TABLA 1.** Proporciones de lances y capturas realizadas sobre delfines, por buque, 1999-2000. - : buque no tuvo LMD; \* : buque no realizó lances intencionales sobre delfines; < : buque realizó menos de 10 lances sobre delfines.

Vessel	Data from IATTC permanent database										Data from all programs			
	Dolphin sets		Total sets		% dolphin sets		Catch in dolphin sets		% catch in dolphin sets		Mortality in dolphin sets		Mortality per set	
	1999	2000	1999	2000	1999	2000	1999	2000	1999	2000	1999	2000	1999	2000
Buque	Datos de la base de datos permanente de la CIAT										Datos de todos programas			
	Lances sobre delfines		Total de lances		% lances sobre delfines		Captura en lances sobre delfines		% captura en lances sobre delfines		Mortalidad en lances sobre delfines		Mortalidad por lance	
	1999	2000	1999	2000	1999	2000	1999	2000	1999	2000	1999	2000	1999	2000
39	0	0	0	0	0.0	0.0	0	0	0.0	0.0	*	*	*	*
87	0	0	91	80	0.0	0.0	0	0	0.0	0.0	*	*	*	*
40	0	0	93	84	0.0	0.0	0	0	0.0	0.0	*	*	*	*
6	0	0	95	118	0.0	0.0	0	0	0.0	0.0	*	*	*	*
8	0	0	96	114	0.0	0.0	0	0	0.0	0.0	*	*	*	*
1	0	0	98	140	0.0	0.0	0	0	0.0	0.0	*	*	*	*
31	0	0	176	184	0.0	0.0	0	0	0.0	0.0	*	*	*	*
118	0	1	90	66	0.0	1.5	0	0	0.0	0.0	*	<	*	<
120	0	1	110	67	0.0	1.5	0	0	0.0	0.0	*	<	*	<
127	0	1	187	106	0.0	0.9	0	0	0.0	0.0	*	<	*	<
93	0	12	96	58	0.0	20.7	0	24	0.0	7.9	4	5	0.12	0.17
53	0	60	0	82	0.0	73.2	0	1,414	0.0	63.7	*	9	*	0.15
38	0	92	0	129	0.0	71.3	0	1,121	0.0	61.5	*	21	*	0.16
22	0	119	0	177	0.0	67.2	0	2,200	0.0	56.7	*	25	*	0.16
4	0	-	0	-	0.0	-	0	-	0.0	-	*	-	*	-
52	0	-	0	-	0.0	-	0	-	0.0	-	*	-	*	-
104	0	-	0	-	0.0	-	0	-	0.0	-	*	-	*	-
110	0	-	0	-	0.0	-	0	-	0.0	-	*	-	*	-
103	0	-	8	-	0.0	-	0	-	0.0	-	*	-	*	-
101	0	-	38	-	0.0	-	0	-	0.0	-	*	-	*	-
108	0	-	53	-	0.0	-	0	-	0.0	-	*	-	*	-
117	0	-	61	-	0.0	-	0	-	0.0	-	*	-	*	-
107	0	-	65	-	0.0	-	0	-	0.0	-	*	-	*	-
48	0	-	74	-	0.0	-	0	-	0.0	-	*	-	*	-
124	0	-	75	-	0.0	-	0	-	0.0	-	*	-	*	-
35	0	-	77	-	0.0	-	0	-	0.0	-	*	-	*	-
113	0	-	80	-	0.0	-	0	-	0.0	-	*	-	*	-
20	0	-	95	-	0.0	-	0	-	0.0	-	*	-	*	-
3	0	-	96	-	0.0	-	0	-	0.0	-	*	-	*	-
81	0	-	111	-	0.0	-	0	-	0.0	-	*	-	*	-
99	0	-	113	-	0.0	-	0	-	0.0	-	*	-	*	-
121	0	-	113	-	0.0	-	0	-	0.0	-	<	-	<	-
109	0	-	114	-	0.0	-	0	-	0.0	-	*	-	*	-
7	0	-	124	-	0.0	-	0	-	0.0	-	*	-	*	-

Vessel	Data from IATTC permanent database										Data from all programs			
	Dolphin sets		Total sets		% dolphin sets		Catch in dolphin sets		% catch in dolphin sets		Mortality in dolphin sets		Mortality per set	
	1999	2000	1999	2000	1999	2000	1999	2000	1999	2000	1999	2000	1999	2000
Buque	Datos de la base de datos permanente de la CIAT										Datos de todos programas			
	Lances sobre delfines		Total de laneces		% lances sobre delfines		Captura en lances sobre delfines		% captura en lances sobre delfines		Mortalidad en lances sobre delfines		Mortalidad por lance	
	1999	2000	1999	2000	1999	2000	1999	2000	1999	2000	1999	2000	1999	2000
123	0	-	193	-	0.0	-	0	-	0.0	-	*	-	*	-
122	1	0	157	93	0.6	0.0	0	0	0.0	0.0	<	*	<	*
90	1	1	56	84	1.8	1.2	0	0	0.0	0.0	<	<	<	<
72	1	1	90	102	1.1	1.0	1	0	0.0	0.0	<	<	<	<
45	1	1	94	129	1.1	0.8	0	0	0.0	0.0	<	<	<	<
11	1	1	109	82	0.9	1.2	0	0	0.0	0.0	<	<	<	<
116	1	1	112	70	0.9	1.4	0	0	0.0	0.0	<	<	<	<
119	1	1	132	90	0.8	1.1	0	0	0.0	0.0	<	<	<	<
126	1	1	156	93	0.6	1.1	0	0	0.0	0.0	<	<	<	<
65	1	1	172	101	0.6	1.0	0	0	0.0	0.0	<	<	<	<
111	1	1	197	118	0.5	0.9	0	0	0.0	0.0	<	<	<	<
68	1	3	99	81	1.0	3.7	5	15	0.1	0.3	<	<	<	<
115	2	2	138	97	1.5	2.1	0	0	0.0	0.0	<	<	<	<
44	3	6	56	62	5.4	9.7	14	79	1.9	5.9	8	0	0.57	0.00
14	3	15	57	16	5.3	93.8	13	223	3.3	100.0	2	6	0.17	0.21
59	4	19	29	54	13.8	35.2	36	86	10.9	27.5	6	3	0.40	0.15
23	6	218	18	242	33.3	90	243	4,539	29.5	88.2	<	33	<	0.13
56	7	0	93	117	7.5	0.0	25	0	2.3	0.0	5	*	0.21	*
91	8	42	136	146	5.9	28.8	31	252	2.8	28.4	<	6	<	0.13
5	8	58	57	103	14.0	56.3	73	882	5.3	59.9	18	40	0.26	0.41
89	9	20	30	52	30.0	38.5	58	228	6.4	28.1	22	18	0.27	0.32
15	10	7	65	43	15.4	16.3	33	8	7.4	11.4	1	<	0.10	<
94	11	21	62	24	17.7	87.5	45	109	8.0	100.0	3	17	0.20	0.30
51	15	0	115	0	13.0	0.0	13	0	2.1	0.0	1	*	0.05	*
73	18	19	27	49	66.7	38.8	88	90	22.6	20.8	10	4	0.15	0.21
41	24	102	56	122	42.9	83.6	716	1,871	42.4	65.2	1	25	0.02	0.13
69	27	40	65	52	41.5	76.9	73	340	21.0	85.6	15	31	0.23	0.65
125	35	74	168	148	20.8	50.0	452	955	8.0	21.5	1	8	0.03	0.11
78	36	20	40	35	90.0	57.1	683	374	94.3	43.7	25	3	0.32	0.15
55	37	19	115	88	32.2	21.6	288	169	18.7	18.7	7	0	0.18	0.00
92	38	102	49	126	77.6	81.0	585	2,021	50.3	85.5	19	25	0.18	0.13
128	40	30	122	122	32.8	24.6	712	349	17.0	6.8	12	17	0.30	0.55
97	45	32	152	71	29.6	45.1	757	253	51.4	33.8	20	31	0.21	0.89
12	45	63	70	67	64.3	94.0	784	1,364	47.8	94.7	6	24	0.13	0.20
102	51	36	107	70	47.7	51.4	1,298	592	65.3	49.6	11	9	0.14	0.11
43	53	137	95	176	55.8	77.8	689	2,451	27.2	64.4	1	51	0.02	0.37
30	56	90	84	126	66.7	71.4	979	1,878	38.6	66.3	7	35	0.13	0.39
26	56	131	127	182	44.1	72.0	763	2,432	26.2	65.4	4	35	0.07	0.27
32	60	70	77	70	77.9	100.0	688	1,669	42.7	100.0	13	27	0.22	0.20
79	60	72	67	104	89.6	69.2	1,101	1,101	87.5	68.9	19	21	0.15	0.21

Vessel	Data from IATTC permanent database										Data from all programs			
	Dolphin sets		Total sets		% dolphin sets		Catch in dolphin sets		% catch in dolphin sets		Mortality in dolphin sets		Mortality per set	
	1999	2000	1999	2000	1999	2000	1999	2000	1999	2000	1999	2000	1999	2000
Buque	Datos de la base de datos permanente de la CIAT										Datos de todos programas			
	Lances sobre delfines		Total de laneces		% lances sobre delfines		Captura en lances sobre delfines		% captura en lances sobre delfines		Mortalidad en lances sobre delfines		Mortalidad por lance	
	1999	2000	1999	2000	1999	2000	1999	2000	1999	2000	1999	2000	1999	2000
86	62	26	137	45	45.3	57.8	508	216	29.1	46.8	15	40	0.17	0.31
29	63	129	186	225	33.9	57.3	555	2,316	13.6	39.5	3	21	0.05	0.16
84	64	4	105	11	61.0	36.4	759	53	66.9	39.3	29	7	0.32	0.22
82	66	67	108	98	61.1	68.4	935	1,527	53.9	60.2	23	42	0.18	0.38
49	66	103	119	134	55.5	76.9	1,684	2,098	43.3	68.7	18	7	0.27	0.07
114	68	0	91	0	74.7	0.0	777	0	63.7	0.0	13	*	0.19	*
61	70	101	104	196	67.3	51.5	774	867	58.0	44.4	31	22	0.20	0.13
112	71	79	86	97	82.6	81.4	1,229	994	80.9	75.5	30	37	0.15	0.30
96	74	56	96	77	77.1	72.7	1,398	1,372	64.5	61.1	13	23	0.09	0.19
25	76	44	138	47	55.1	93.6	1,332	851	44.1	95.5	10	8	0.13	0.18
18	77	38	115	46	67.0	83	1,068	575	56.4	86.2	4	9	0.05	0.12
75	78	67	112	68	69.6	98.5	1,326	1,212	78.6	99.4	26	27	0.19	0.20
16	79	88	107	106	73.8	83.0	983	911	46.6	66.4	16	22	0.20	0.16
37	81	143	149	189	54.4	75.7	1,421	2,609	32.4	74.3	3	1	0.04	0.01
42	82	74	137	97	59.9	76.3	1,497	1,198	53.1	78.7	17	4	0.12	0.03
67	84	31	91	33	92.3	93.9	1,153	448	92.5	100.0	11	17	0.11	0.30
19	85	59	106	188	80.2	31.4	2,222	568	79.2	17.2	9	0	0.11	0.00
85	87	67	126	78	69.1	85.9	1,751	1,484	72.8	79.8	38	26	0.21	0.23
95	87	100	95	139	91.6	71.9	1,704	1,901	93.5	69.4	34	27	0.18	0.16
129	87	142	161	165	54.0	86.1	1,826	2,903	40.7	83.6	25	5	0.29	0.04
28	88	0	178	0	49.4	0.0	1,241	0	29.9	0.0	13	*	0.15	*
106	88	75	128	116	68.8	64.7	1,696	1,186	75.5	72.9	20	31	0.18	0.16
83	89	110	118	136	75.4	80.9	1,900	2,493	90.4	79.0	31	55	0.15	0.21
60	93	71	146	92	63.7	77.2	1,188	1,012	54.6	73.6	28	15	0.20	0.08
24	93	77	138	94	67.4	81.9	1,849	2,090	48.0	67.0	39	38	0.42	0.49
64	96	136	133	195	72.2	69.7	1,865	2,057	68.8	77.1	36	30	0.15	0.15
46	97	71	168	76	57.7	93.4	1,724	1,443	42.9	90.5	20	20	0.21	0.15
74	98	55	108	79	90.7	69.6	1,447	631	85.0	54.4	31	4	0.15	0.05
62	104	0	151	0	68.9	0.0	2,068	0	58.1	0.0	10	*	0.10	*
9	110	0	150	0	73.3	0.0	2,498	0	64.0	0.0	26	*	0.24	*
47	110	121	159	161	69.2	75.2	2,159	2,771	47.3	73.2	16	34	0.15	0.28
13	112	101	157	140	71.3	72.1	1,477	1,100	66.3	63.6	7	35	0.06	0.19
21	114	66	146	76	78.1	87	1,750	1,226	72.2	71.0	30	35	0.26	0.28
80	116	106	164	134	70.7	79.1	2,117	1,833	52.6	64.7	2	10	0.02	0.09
98	120	79	146	99	82.2	79.8	1,286	935	69.7	88.8	32	30	0.17	0.19
105	126	78	161	100	78.3	78.0	2,670	1,261	69.3	71.8	37	21	0.17	0.11
77	133	83	152	105	87.5	79.1	2,248	1,360	83.8	67.4	33	15	0.17	0.09
76	140	175	217	181	64.5	96.7	2,273	2,736	53.2	95.4	12	29	0.09	0.11
27	142	90	179	96	79.3	93.8	3,428	1,809	84.2	88.2	20	17	0.14	0.10
57	142	131	207	148	68.6	88.5	3,237	2,795	66.4	78.7	29	36	0.20	0.17

Vessel	Data from IATTC permanent database										Data from all programs			
	Dolphin sets		Total sets		% dolphin sets		Catch in dolphin sets		% catch in dolphin sets		Mortality in dolphin sets		Mortality per set	
	1999	2000	1999	2000	1999	2000	1999	2000	1999	2000	1999	2000	1999	2000
Buque	Datos de la base de datos permanente de la CIAT										Datos de todos programas			
	Lances sobre delfines		Total de laneces		% lances sobre delfines		Captura en lances sobre delfines		% captura en lances sobre delfines		Mortalidad en lances sobre delfines		Mortalidad por lance	
	1999	2000	1999	2000	1999	2000	1999	2000	1999	2000	1999	2000	1999	2000
100	148	172	153	212	96.7	81.1	2,107	2,137	93.6	77.7	31	31	0.10	0.10
34	151	106	180	115	83.9	92.2	3,842	2,293	75.4	78.1	8	16	0.05	0.12
50	153	54	206	95	74.3	56.8	3,209	1,047	66.1	54.2	12	18	0.08	0.13
36	176	83	239	99	73.6	83.8	2,051	2,025	60.4	78.2	25	9	0.14	0.08
33	178	79	195	84	91.3	94	3,164	1,254	86.0	85.4	17	42	0.10	0.31
58	185	75	208	108	88.9	69.4	2,424	1,262	70.5	61.3	30	17	0.16	0.15
70	193	184	218	225	88.5	81.8	3,443	3,727	81.2	81.1	13	11	0.07	0.06
71	204	80	239	101	85.4	79.2	4,162	1,936	73.0	67.8	24	50	0.12	0.31
63	215	99	220	114	97.7	86.8	2,823	1,584	93.8	88.8	5	11	0.02	0.09
54	216	114	232	121	93.1	94.2	3,354	2,334	85.1	97.5	27	25	0.13	0.14
17	222	254	229	265	96.9	95.9	4,940	5,593	93.9	90.7	21	45	0.09	0.18
2	-	0	-	91	-	0.0	-	0	-	0.0	-	*	-	*
10	-	0	-	119	-	0.0	-	0	-	0.0	-	*	-	*
66	-	0	-	99	-	0.0	-	0	-	0.0	-	*	-	*
88	-	0	-	21	-	0.0	-	0	-	0.0	-	*	-	*
131	-	0	-	0	-	0.0	-	0	-	0.0	-	*	-	*
130	-	1	-	104	-	1.0	-	0	-	0.0	-	<	-	<

**TABLE 2.** Proportions of sets on dolphins and mortality per set (MPS) by vessel, 1999 + 2000 combined. The “Cumulative” column is explained in the text.

**TABLA 2.** Proporciones de lances sobre delfines y mortalidad por lance (MPL) por buque, 1999 + 2000 combinados. En el texto se explica la columna de “Acumulativo”.

Vessel	Data from IATTC permanent database			Data from all programs	
	Dolphin sets	% dolphin sets	Cumulative	Dolphin sets	MPS
Buque	Datos de la base de datos permanente de la CIAT			Datos de todos los programas	
	Lances sobre delfines	% lances sobre delfines	Acumulativo	Lances sobre delfines	MPL
39	0	0.0	0.8	0	0.00
87	0	0.0	1.5	0	0.00
40	0	0.0	2.3	0	0.00
6	0	0.0	3.1	0	0.00
8	0	0.0	3.8	0	0.00
1	0	0.0	4.6	0	0.00
31	0	0.0	5.3	0	0.00
4	0	0.0	6.1	0	0.00
52	0	0.0	6.9	0	0.00
104	0	0.0	7.6	0	0.00
110	0	0.0	8.4	0	0.00
103	0	0.0	9.2	0	0.00
101	0	0.0	9.9	0	0.00
108	0	0.0	10.7	0	0.00
117	0	0.0	11.5	0	0.00
107	0	0.0	12.2	0	0.00
48	0	0.0	13.0	0	0.00
124	0	0.0	13.7	0	0.00
35	0	0.0	14.5	0	0.00
113	0	0.0	15.3	0	0.00
20	0	0.0	16.0	0	0.00
3	0	0.0	16.8	0	0.00
81	0	0.0	17.6	0	0.00
99	0	0.0	18.3	0	0.00
121	0	0.0	19.1	1	0.00
109	0	0.0	19.8	0	0.00
7	0	0.0	20.6	0	0.00
123	0	0.0	21.4	0	0.00
2	0	0.0	22.1	0	0.00
10	0	0.0	22.9	0	0.00
66	0	0.0	23.7	0	0.00
88	0	0.0	24.4	0	0.00
131	0	0.0	25.2	0	0.00
127	1	0.3	26.0	1	0.00
122	1	0.4	26.7	1	0.00

Vessel	Data from IATTC permanent database			Data from all programs	
	Dolphin sets	% dolphin sets	Cumulative	Dolphin sets	MPS
Buque	Datos de la base de datos permanente de la CIAT			Datos de todos los programas	
	Lances sobre delfines	% lances sobre delfines	Acumulativo	Lances sobre delfines	MPL
120	1	0.6	27.5	1	0.00
111	2	0.6	28.2	2	0.00
118	1	0.6	29.0	1	0.00
65	2	0.7	29.8	2	0.00
126	2	0.8	30.5	2	0.00
45	2	0.9	31.3	2	0.00
119	2	0.9	32.1	2	0.00
130	1	1.0	32.8	1	0.00
72	2	1.0	33.6	2	0.00
11	2	1.0	34.4	2	0.00
116	2	1.1	35.1	2	0.00
90	2	1.4	35.9	2	0.00
115	4	1.7	36.6	4	0.00
68	4	2.2	37.4	4	0.00
56	7	3.3	38.2	24	0.21
44	9	7.6	38.9	27	0.30
93	12	7.8	39.7	63	0.14
51	15	13.0	40.5	19	0.05
15	17	15.7	41.2	18	0.06
91	50	17.7	42.0	53	0.11
14	18	24.7	42.7	41	0.20
55	56	27.6	43.5	80	0.09
59	23	27.7	44.3	35	0.26
128	70	28.7	45.0	71	0.41
125	109	34.5	45.8	109	0.08
97	77	34.5	46.6	131	0.39
89	29	35.4	47.3	138	0.29
94	32	37.2	48.1	71	0.28
5	66	41.3	48.9	167	0.35
29	192	46.7	49.6	192	0.13
86	88	48.4	50.4	218	0.25
73	37	48.7	51.1	84	0.17
19	144	49.0	51.9	144	0.06
102	87	49.2	52.7	160	0.13
28	88	49.4	53.4	88	0.15

Vessel	Data from IATTC permanent database			Data from all programs	
	Dolphin sets	% dolphin sets	Cumulative	Dolphin sets	MPS
Buque	Datos de la base de datos permanente de la CIAT			Datos de todos los programas	
	Lances sobre delfines	% lances sobre delfines	Acumulativo	Lances sobre delfines	MPL
61	171	57.0	54.2	329	0.16
69	67	57.3	55.0	114	0.40
84	68	58.6	55.7	122	0.30
26	187	60.5	56.5	187	0.21
82	133	64.6	57.3	237	0.27
25	120	64.9	58.0	120	0.15
37	224	66.3	58.8	224	0.02
42	156	66.7	59.5	280	0.08
49	169	66.8	60.3	169	0.15
106	163	66.8	61.1	308	0.17
22	119	67.2	61.8	158	0.16
50	207	68.8	62.6	290	0.10
46	168	68.9	63.4	233	0.17
62	104	68.9	64.1	104	0.10
60	164	68.9	64.9	318	0.14
30	146	69.5	65.6	146	0.29
43	190	70.1	66.4	190	0.27
129	229	70.2	67.2	229	0.13
64	232	70.7	67.9	434	0.15
41	126	70.8	68.7	239	0.11
38	92	71.3	69.5	131	0.16
18	115	71.4	70.2	154	0.08
13	213	71.7	71.0	297	0.14
47	231	72.2	71.8	231	0.22
53	60	73.2	72.5	60	0.15
24	170	73.3	73.3	170	0.45
9	110	73.3	74.0	110	0.24
80	222	74.5	74.8	222	0.05
78	56	74.7	75.6	97	0.29
114	68	74.7	76.3	68	0.19
96	130	75.1	77.1	266	0.14

Vessel	Data from IATTC permanent database			Data from all programs	
	Dolphin sets	% dolphin sets	Cumulative	Dolphin sets	MPS
Buque	Datos de la base de datos permanente de la CIAT			Datos de todos los programas	
	Lances sobre delfines	% lances sobre delfines	Acumulativo	Lances sobre delfines	MPL
85	154	75.5	77.9	295	0.22
36	259	76.6	78.6	294	0.12
57	273	76.9	79.4	350	0.19
79	132	77.2	80.2	221	0.18
105	204	78.2	80.9	416	0.14
83	199	78.3	81.7	469	0.18
16	167	78.4	82.4	216	0.18
12	108	78.8	83.2	163	0.18
76	315	79.1	84.0	404	0.10
95	187	79.9	84.7	350	0.17
92	140	80.0	85.5	302	0.15
75	145	80.6	86.3	269	0.20
21	180	81.1	87.0	237	0.27
98	199	81.2	87.8	351	0.18
74	153	81.8	88.5	300	0.12
112	150	82.0	89.3	316	0.21
58	260	82.3	90.1	302	0.16
71	284	83.5	90.8	363	0.20
77	216	84.0	91.6	358	0.13
27	232	84.4	92.4	307	0.12
70	377	85.1	93.1	377	0.06
23	224	86.2	93.9	257	0.13
34	257	87.1	94.7	285	0.08
100	320	87.7	95.4	604	0.10
32	130	88.4	96.2	196	0.20
33	257	92.1	96.9	314	0.19
67	115	92.7	97.7	159	0.18
54	330	93.5	98.5	392	0.13
63	314	94.0	99.2	344	0.05
17	476	96.4	100.0	476	0.14

INTERNATIONAL DOLPHIN CONSERVATION PROGRAM  
PROGRAMA INTERNACIONAL PARA LA CONSERVACION DE LOS DELFINES

**INTERNATIONAL REVIEW PANEL**

**27<sup>TH</sup> MEETING**

SAN SALVADOR (EL SALVADOR)

JUNE 13-14, 2001

**DOCUMENT IRP-27-08**

**STATUS OF THE REAL-TIME REPORTING SYSTEM**

The Agreement on the International Dolphin Conservation Program (AIDCP) mandated that the Parties “establish a system, based on real-time observer reporting, to ensure effective implementation and compliance with the per-stock, per-year dolphin mortality cap.” This system was implemented by requiring observers aboard all tuna purse seiners with a DML to report on a weekly basis via e-mail, fax, or radio. Prior to this year, the reporting rate had been disappointing, in part due to lack of the necessary equipment. This lack of reporting had little practical effect, as the dolphin mortalities were much lower than the Stock Mortality Limits (SMLs). Beginning in 2001, however, obtaining accurate and up-to-date dolphin mortality reports became more urgent because the SMLs are now half that of previous years (from 0.2% of  $N_{min}$  to 0.1% of  $N_{min}$ ) as required by the AIDCP.

While the reporting rate has improved since last year, the weekly At-Sea Reports are typically received from less than half the vessels. As of April 29, 2001, the average reporting rate since the beginning of the year was 45%. The most recent weekly reporting rate was 45%, and 56% of vessels had reported within the last two weeks.

Monitoring dolphin mortality in real-time requires reports every week from each vessel. Alternatively, an extrapolation routine could be developed, but basing management actions upon the variable results of such extrapolations could cause problems. Given that virtually all vessels carry an observer, extrapolation should not be necessary.

As trips are completed, the mortality data from the At-Sea Reports are replaced by data recorded on the observer’s forms and checked for errors. By combining data from the At-Sea Reports and completed trips, the overall percentage of days at sea for which mortality has been reported can be calculated. Mortality data from 8,090 of 9,197 days at sea (88%) have been reported in either the At-Sea Reports or completed trip reports since the first of the year.

Since January 1, 2001, the Secretariat has been reporting weekly to the Parties the cumulative mortality for seven stocks of dolphins. The most recent observed mortalities are shown in Table 1.

**TABLE 1.** Preliminary reports of the mortalities of dolphins, January 1-April 29, 2001.

**TABLA 7.** Informes preliminares de las mortalidades de delfines, 1 de enero-29 de abril de 2001.

	Total mortality	Stock mortality limit	Used (%)
Stock	Mortalidad total	Límite de mortalidad de stock	Usado (%)
<b>Offshore spotted—Manchado de altamar</b>			
Northeastern – Nororiental	84	648	13.0
Western / southern – Occidental / sureño	56	1,145	4.9
<b>Spinner—Tornillo</b>			
Eastern – Oriental	43	518	8.3
Whitebelly - Panza blanca	57	871	6.5
<b>Common – Común</b>			
Northern – Norteño	79	562	14.1
Central	54	207	26.1
Southern – Sureño	13	1,845	0.7
<b>Others and unidentified - Otros y no identificados</b>	23		
<b>Total</b>	<b>409</b>	<b>5,000</b>	<b>8.2</b>



INTERNATIONAL DOLPHIN CONSERVATION PROGRAM  
PROGRAMA INTERNACIONAL PARA LA CONSERVACION DE LOS  
DELFINES

**INTERNATIONAL REVIEW PANEL**

**27<sup>TH</sup> MEETING**

SAN SALVADOR (EL SALVADOR)  
JUNE 13-14, 2001

**DOCUMENT IRP-27-14**

**VESSEL ASSESSMENTS FOR 2002**

**1. PROPOSAL**

To increase the assessments for tuna purse seiners participating in the International Dolphin Conservation Program (IDCP) to the equivalent of US\$13.60 per cubic meter of well volume.

**2. BACKGROUND**

The assessments for 1999, 2000, and 2001 were increased to US\$12.552 per cubic meter of well volume. This increase was adopted to (1) recover deficits in funding from 1995 to 1998 and (2) cover the increased costs of operation of the IDCP. After the increase, there was an operating surplus of US\$141,294 at the end of 1999.

The estimated costs incurred for IATTC activities related to the implementation of the IDCP in 2000 and 2001 have been greater than the revenue from vessel assessments, and are also expected to be greater in 2002, as is shown in Table 1.

**3. PROPOSED ACTION**

In order for the assessments for 2002 to cover operating costs in 2002 plus the deficit accumulated in 2000 and 2001, vessel assessments will have to be increased by US\$1.05 (8%) to US\$13.60 per cubic meter of well volume. Costs have increased by more than 8% over the three years, but the increase has been partially offset by the introduction of the national programs of Venezuela and Ecuador.

The International Review Panel should recommend to the Meeting of the Parties that the assessments for tuna purse-seine vessels participating in the IDCP be increased to US\$13.60 per cubic meter of well volume.



TABLE 1. IDCP: Allocation of costs, FY 2000-2003.

TABLA 1. PICD: Distribución de costos, AF 2000-2003.

(US\$)	FY-AF	2000 (estimated— estimados)	2001	2002	2003
			(projected—proyectados)		
<b>COSTS-COSTOS:</b>					
<b>Covered at 70%-Cubiertos al 70%</b>					
Gross costs-Costo bruto:					
Observers (wages, travel, equipment) Observadores (sueldos, viajes, equipo)		\$1,278,847	\$1,222,769	\$1,191,208	\$1,220,989
IATTC staff (part) Personal de la CIAT (porción)		519,845	532,087	559,438	593,511
IATTC administration (part) Administración CIAT (porción)		286,186	285,948	294,699	305,082
IATTC field office staff and facilities (part) Personal e instalaciones de las oficinas regionales de la CIAT (porción)		253,978	260,328	266,836	273,507
Contract services for data entry Servicios por contrato para ingreso de datos		13,510	13,848	14,194	14,549
Training courses Cursos de entrenamiento		3,000	3,075	3,152	3,231
<b>Subtotal</b>		<b>\$2,355,366</b>	<b>\$2,318,055</b>	<b>\$2,329,527</b>	<b>\$2,410,867</b>
70% of/del subtotal		1,648,756	1,622,638	1,630,669	1,687,607
<b>Covered at 100%-Cubiertos al 100%</b>					
Meetings of Parties and IRP Reuniones de las Partes y del PIR		29,219	21,281	21,813	22,358
<b>TOTAL</b>		<b>\$1,677,975</b>	<b>\$1,643,919</b>	<b>\$1,652,482</b>	<b>\$1,709,965</b>
Total vessel assessments paid Total de cuotas de buques pagadas		1,497,891	1,600,655	1,600,655	1,600,655
Surplus (deficit) – Superávit (déficit)		(180,084)	(43,264)	(51,827)	(109,310)