INTER-AMERICAN TROPICAL TUNA COMMISSION COMISIÓN INTERAMERICANA DEL ATÚN TROPICAL

# 70<sup>TH</sup> MEETING

# ANTIGUA (GUATEMALA) 24-27 JUNE 2003

# **DOCUMENT IATTC-70-12**

# PROGRAM AND BUDGET FOR FISCAL YEAR 2005 (OCTOBER 1, 2004-SEPTEMBER 30, 2005)

Requested research budget FY 2005	US\$	5,016,321
Requested research budget FY 2004	US\$	4,866,254
Change	US\$	150,067

# 1. PREFACE

In this document the proposed research program and estimates of expenditure for FY 2005 are presented, by project and specific budget objects, in US dollars.

Consistent with last year's presentation, the paper reflects the cost of the observer program, how it is funded jointly by the IATTC and the Agreement on the International Dolphin Conservation Program (AIDCP), and how other AIDCP costs are funded.

Recalling previous reductions in the provisionally approved budget, continual efforts are being made to reduce expenditures. The current budget includes eliminating one person from the scientific staff, reducing travel, and canceling planned replacement of equipment.

Nevertheless, expected regular operations expenditure in FY 2003 is \$4,634,284, with an expected total deficit for the year of \$205,322, which reduces the forecast bank balance at the end of the financial year to \$209,016, assuming all outstanding member contributions are paid. This is sufficient for less than one month's operation. It should be noted that the FY 2003 budget includes \$80,000 in "Other Projects" expenditures for which the funds were received during FY 2002.

The budgets proposed for FYs 2004 and 2005 were made assuming inflation will increase general costs and salaries by 3%, and they take account of the reductions noted above. For 2004, the projected expenditure is \$315,400 more than the total of contributions provisionally established in the 2002 Resolution on Financing. If the total of contributions for FY 2004 is not increased it will be necessary to make further reductions in staffing.

As indicated in several earlier documents, the costs of the IDCP have consistently exceeded its income. The staff proposed an increase in the vessel assessments for 2002 to cover that and previous years' deficits, but it was not approved. Currently there are insufficient funds available to cover the costs of the IDCP during 2003. At its meeting in February 2003, the IRP approved a plan to cover all of the costs of the IDCP by charging assessments for vessels under 363 T carrying capacity, nominal fees for inactive vessels on the Regional Vessel Register, and a supplemental assessment for all Class 6 vessels. If this plan is approved by the AIDCP Parties and implemented, the additional estimated revenue of \$458,341 would alleviate the immediate budget crisis and allow continued placement of observers for the remainder of the calendar year.

In previous years the Commission has had sufficient cash reserves to carry its operations into the new

financial year without receiving member contributions at the beginning of the year. This is no longer the case, as virtually all the reserves have been depleted. The Commission's financial regulations do not address when member contributions must be paid. To maintain the financial viability of the Commission, the staff recommends that the regulations be amended to make all contributions due and payable within 30 days, that is by 1 November of each financial year.

# 2. INTRODUCTION

The IATTC was established in 1950 by a convention between the governments of the Republic of Costa Rica and the United States of America, and is open to membership by other governments. The convention mandates that the populations of tunas, tuna-like fishes, and other kinds of fish taken by tuna-fishing vessels in the eastern Pacific Ocean (EPO) be maintained at levels of abundance that can support maximum yields on a sustained basis and provided for a program of investigation as a basis for management of the fisheries. Acquiring the information necessary to determine those levels of stock abundance requires a broad-based, comprehensive research program, which includes the collection of detailed data on the fisheries that take those species, and ancillary biological and environmental data.

The member governments of the Commission share the joint expenses of the research program. The Convention provides guidelines for determining budget contributions by the member governments. Each member's contribution is based on the proportion of the catch of tunas from the EPO taken by vessels of member nations that is utilized by that member nation. "Utilized" is understood to mean tuna eaten fresh or processed for internal consumption or export. Thus tunas landed by a member nation and subsequently exported round or as loins are not included in computing that nation's contribution, but those that are exported canned are so included. These contributions are calculated from statistics compiled by the IATTC staff for calendar years before the budget period in question.

To accomplish the variety of research required to meet its objectives, the Commission maintains an internationally recruited scientific staff. Most are situated at La Jolla, but others are assigned to field offices in Manta and Playas (Ecuador), Ensenada and Mazatlán (Mexico), Mayaguez (Puerto Rico), Panama (R.P.), and Cumaná (Venezuela), and at a laboratory in Achotines (R.P.).

Fundamental to the Commission's work are basic data on the fishing activities of vessels, the catches they make, and the sizes of fish comprising the catch. These data are used to assess the impact of fishing on the abundance of the stocks being exploited. A large share of the Commission's research budget goes to this activity. A comprehensive program of placing logbooks aboard each vessel in the international fleet is maintained, and the data on fishing effort and catch by time and location are extracted from these logbooks when the vessels return to port. In addition to the collection of basic statistical data, samples of the lengths of the fish in the catch are routinely taken when the fish are unloaded from the vessels. This length-measurement program is essential to studies of growth and size composition, which, in turn, are necessary for assessment of the effects of fishing on the various stocks.

The catch and fishing effort data are used to describe the distribution, by area and time, of fishing effort and the catches of each species. To manage the stocks of fish taken by tuna-fishing vessels in the EPO, the staff formulates models that can provide assessments of the impact of fishing on the stocks. This requires an understanding of the biology of the fish. Therefore, the research program provides for studies of stock structure, growth, rates of mortality and natality, times and locations of spawning and recruitment, the rates of mixing of fish among areas, behavior and physiology of the fish, effects of the environment on the abundance and distribution of the fish, and the relationships of tunas with other organisms in the ecosystem.

To manage fish stocks it is necessary to understand the relationships of fish in one area of the fishery to those in other areas, so that any management measures can be applied to all members of the stocks of fish being exploited, wherever they occur. The staff has used several approaches to study the relationships of fish of different areas. Mark-and-recapture experiments are used widely in fisheries science to provide estimates of characteristics such as growth, mortality, movements, and mixing. Extensive tagging of yellowfin or skipjack is not recommended at this time. However, increases in purse-seine catches of

bigeye tuna has put additional pressure on bigeye stocks which previously had been exploited mainly by the longline fishery which took large bigeye. Accordingly, Japan has made a commitment to provide funds for a multi-year tagging program. The initial pilot bigeye tagging project during 2000 was followed with additional tagging in 2002. For 2003, funding was obtained from Japan of \$204,294, United States of \$50,000 and Taiwan of \$5,000. Additional funds will be sought for this work in future years. This is shown separately in Table 1.

The study of the early life history of fish is vitally important in determining the dynamics of a fishery. Because of the low density of the larvae and the enormous areas in which they occur, this research is most effective when complemented by rearing larval and juvenile fishes in the laboratory, which makes large numbers of specimens available for study. Tuna are being reared at the Commission's Laboratory at Achotines, Panama, through the early life stages, and the characteristics of growth and mortality are being investigated. The annual operating costs for the laboratory, including the local staff are about \$333,012, and the project includes four full-time equivalent head office staff.

Tunas are pelagic during all stages of their lives, and changes in the ocean environment affect their apparent and real abundance. An understanding of how the ocean operates and how the tunas respond to their changing environment is necessary for the most efficient management of the stocks. Oceanographic, physiological, and behavioral studies are long-term, time-consuming, and expensive. Comprehensive programs of this nature are beyond the Commission's means, and efforts in this direction are therefore of a cooperative nature. The Commission's oceanographic studies are conducted on a limited scale, and rely on publicly available data.

The tuna fishery in the EPO is better documented than any other tuna fishery and, in particular, the dynamics of the yellowfin stock in the EPO are better understood than are the dynamics of most other stocks of tuna. Accordingly, the IATTC's research program in the EPO has set the standards and formed the basis for study and comparison in other parts of the world. Also, the yellowfin resource has been alternately underfished and overfished on two occasions in the past, which makes it unique among tuna fisheries and rare among all marine fisheries. It would obviously be a terrible loss to interrupt this series of data. Furthermore, it appears that after a long period up until 1998, during which the fishing effort was generally lower than the levels that would produce the maximum sustainable catches, the purse-seine fleet has increased to a level at which management measures for both yellowfin and bigeye are routinely necessary.

At its 34<sup>th</sup> meeting in 1977 the Commission directed the staff to formulate a dolphin research program that would include, *inter alia*, monitoring population sizes and mortality incidental to fishing through the collection of data aboard tuna purse seiners, aerial surveys, tagging dolphins to study their movements and abundance, analyses of indices of abundance of dolphins, and gear and behavioral research and education.

To assess the status of dolphin populations, the staff instituted an observer program for tuna vessels of the international fleet. The observers, among other things, count the dolphins that are killed or seriously injured during fishing operations and collect data that are used to estimate the relative abundance of the various species and stocks of dolphins. The budget for the research program provides funding for observers on about 30 percent of the fishing trips of large purse-seine vessels.

Information obtained through the observer program and other surveys, coupled with logbook data gathered for the tuna studies described earlier, is being used to assess the effects of fishing on both the tuna and dolphin populations.

To meet its objective of making every reasonable effort to avoid the needless and careless killing of dolphins, the Commission's Tuna-Dolphin Program includes study of the design, development, and implementation of fishing gear and techniques that will reduce the mortality of dolphins taken in association with tunas. This program also includes workshops to pass on information to fishermen about the use of fishing techniques and gear that have proven effective in reducing dolphin mortality.

In 1999 the AIDCP, which formalized and expanded the 1992 La Jolla Agreement, came into force. The Commission has two principal functions under the IDCP: the IATTC observer program covers the majority of fishing trips made by purse-seine vessels over 363 T carrying capacity (the others are covered by the respective national programs), and the IATTC staff acts as secretariat to the IDCP. As noted above, the IATTC dolphin research program provides for 30% coverage of the trips made by these larger vessels. The remaining cost of the coverage required by the AIDCP, along with certain other costs associated with the IDCP, should be met by the assessments paid by these vessels based on their individual carrying capacities.

Since the initiation of the program, the information collected by the observers has included records of the catches and bycatches of tunas and other species. Because it is difficult to allocate the costs of the observer program, the costs of all data collection by observers and research associated with bycatches have been included in the Tuna-Dolphin Program. In 1997 the Commission established a Working Group on Bycatch, whose objectives recognized the need to ensure the sustainability of the stocks of all target and bycatch species. International standards require the consideration of ecosystems in fisheries management, and the information gathered by the observer program and the work of the Working Group on Bycatch are important contributions to that end.

# 3. PROGRAM DESCRIPTION BY PROJECT, FY 2005

# **PROJECT A**

# Administrative and other costs jointly chargeable to all projects

The costs of administration and bookkeeping and various expenses of the headquarters, such as some of the costs of printing, translation, library, postage, etc., not easily allocated to individual research projects, are allocated and accounted for under this heading. Includes the costs of work related to the Commission's fisheries management policies and costs associated with meetings.

- \$357,504 All or part of the gross salaries of administrative personnel, including the Director, two fisheries policy and management staff, Executive Officer, Administrative Assistant, secretary to the Director, one bilingual secretary, the computer systems and web page management staff, and a translator.
- \$142,668 Meeting expenses, travel to and from Commission meetings and travel of Administrative staff.

# **PROJECT C**

# Collection, compilation, and analysis of catch statistics and logbook data

Statistical records of the tuna fishery, obtained directly from the fishing fleet and processing plants, provide the data base for measuring the effects of fishing on the abundance of the stocks, and hence are of paramount and continuing importance to the Commission's program

\$631,167 Gross salaries for 11 full-time equivalent headquarters staff.

# **PROJECT D**

# Investigations of the biology, life history, vital statistics, population structure, and behavior of tunas and billfishes

This project consists of several important studies, which are designed to increase the available knowledge of the life history of the tunas and billfishes of the EPO. Such knowledge, along with catch and effort data, is used to formulate models for evaluating the effect of fishing on the abundance of the stocks. The project has several important objectives, which can be grouped into the following categories:

1. Investigation of biology and behavior.

# \$769,672

# \$1,877,286

\$1,113,991

- 2. Determination of the important features of the early life history of the fish and the factors that affect the recruitment of young fish to the exploitable population.
- 3. Stock assessment and the description of the dynamics of the populations of tunas and other fishes in the EPO.
- 4. The development of models of ecosystems, including tuna, in the EPO.
- 5. Studies of some of the species of billfishes taken by commercial and recreational fisheries in the EPO.

Data for these types of research are obtained from the examination of tunas and billfishes at ports of landing, the analysis of information from vessel logbooks, studies conducted at sea on research and fishing vessels, and laboratory experiments.

\$1,079,827 Gross salaries of 13 headquarters full-time equivalents (FTEs), divided among the following areas of research:

	FTE
Biology and behavior	2
Tuna early life history	4
Stock assessment of tunas and billfish	6
Tuna ecosystems	1

\$353,292 Fuel, fish food, and other supplies, and salaries for 20 locally-contracted staff, for the Achotines Laboratory.

# **PROJECT E**

### \$47.191

# Investigations of the oceanic circulation and other aspects of chemical and biological oceanography and their relationship to the populations of tunas and billfishes

Fishing success depends on the abundance and behavior of tunas, which in turn are influenced by oceanographic conditions. Oceanographic information forms a vital part in the assessment of stocks. However, in recent years, this project has operated on a much-reduced scale, without permanent scientific staff and using publicly-available data.

\$15,836 Gross salary of less than one full-time equivalent.

# **PROJECT F**

# Tuna tagging and recovery to study movements, rates of intermingling of stocks, mortality, and growth

Tuna tagging experiments yield knowledge on movements, population structure, growth, mortality, behavior, and availability and vulnerability to capture of tunas in various areas of the fishery at various times.

Current activities include tagging of bigeye tuna, the maintenance of the tagging data base and collection of information on fish tagged by other organizations which are returned to IATTC personnel in ports at which they are stationed.

Additional voluntary funding of \$500,000 per year is being sought for bigeye tagging for FY 2004- 2006. The projected expenditure and funding for this is shown separately in Table 1.

\$113,053 Gross salary of one full-time equivalent.

# **PROJECT H**

# Tuna-Dolphin Program (excluding observer costs)

In keeping with the objectives of the Commission's dolphin investigations and the major areas of research

\$159,708

# \$616.473

outlined in the introductory statement, this program has been grouped into the following major areas of activity, summarized below.

- 1. Participation in the planning, execution, and analysis of scientific surveys.
- 2. Studies of indices of dolphin abundance, using data collected by observers on purse seiners.
- 3. Keeping abreast of gear and behavioral research and evaluating new concepts aimed at reducing dolphin mortality, organizing gear workshops, identifying, developing, and preparing recommendations for the adoption of dolphin-saving technology, and furnishing advice and assistance to fishermen to ensure that their dolphin-saving gear is working properly.
- 4. Staff support for the IATTC portion of the observer program.
- 5. Studies of bycatches of other species incidental to fishing for tunas.

\$321,562 Gross salaries for 4 headquarters full-time equivalents.

### **PROJECT I**

### **Observer** costs

- 1. Collection of dolphin data aboard purse seiners by observers. The scientific objective is to have these observers aboard enough trips of Class-6 purse seiners equipped to fish for tunas associated with dolphins to ensure that the estimates of the total dolphin mortality derived from the data collected are statistically reliable. For the IDCP, observers from the IATTC and national programs of Ecuador, Mexico, and Venezuela extend the coverage to 100%.
- 2. Collection of fishery or biological data by observers on catches and discards of tunas and associated species. These data supplement data collected from vessel logbooks.

The information is also used to monitor compliance with rules established by the IATTC and AIDCP.

# **PROJECT J**

### Other AIDCP costs

Providing logistic and administrative support for the IDCP, including the IDCP portion of the observer program and the secretariat role for the International Review Panel (IRP).

\$868,004 Gross salaries for 13 headquarters full-time equivalent scientific and administrative staff. \$68,033 Travel to, and costs of, AIDCP and IRP meetings.

#### 4. EXPLANATION OF OBJECT CLASS ESTIMATES, FY 2005

#### Salaries (01)

The permanent scientific, administrative, clerical, and technical personnel required to carry out the duties of the Commission.

#### Social Security (02)

US social security taxes on employees, plus equivalent taxes in other countries where IATTC employees are stationed.

#### **Retirement Plans (03)**

The IATTC's pension plan is administered by the International Fisheries Commissions Pension Society (IFCPS) in Ottawa, under a deposit administration plan that provides level funding over periods of approximately three years. The administrative costs of the IFCPS are expected to increase in the future and a reduced return on the pension funds invested has required a higher funding by the Commission for the plan. During FY 2002 a defined contribution plan was introduced for new employees in place of the existing defined benefit plan.

# \$294.366

# \$1,440,002

# \$1,097,839

# \$236,158

\$3,386,953

# **Group Insurance (04)**

California Workmen's Compensation Tax, and life, disability, medical, and accident insurance. The costs of insurance, particularly medical insurance, are currently rising much faster than the rate of inflation.

# **Rents. Utilities. Maintenance (05)**

Rent and utilities for the Commission's offices and laboratories, and maintenance costs for Commission property.

# Materials and Supplies (06)

Includes office supplies, and the costs of fuel and other supplies for the Achotines Laboratory.

# **Equipment and Property (07)**

The major items in this category are computers and other office machines and vehicles. As an economy measure no vehicles were replaced in FY 2002 and none are planned to be replaced in FY 2003; however, replacement of vehicles may be necessary in FY 2004 and 2005.

# Postage (08)

Includes mail and courier services. Using e-mail and the web site for the distribution of documents has reduced these costs.

# **Printing and Duplication (09)**

The prompt publication of research results is a necessary and important part of the IATTC's scientific program.

# **Travel and Subsistence (10)**

Travel and subsistence costs incurred by IATTC staff members. Does not include observer travel and other associated costs, which are accounted for under Observer Costs (13). Travel was reduced in FY 2002 and 2003 as an economy measure.

# **Contractual Services (11)**

Legal and professional fees (e.g. auditing), contracts with short-term specialists, casual labor costs, computer charges, and simultaneous interpretation services.

# **Direct AIDCP Costs (12)**

Direct costs associated with the IDCP such as trial sets, dolphin-safe certification and staff travel for AIDCP meetings.

# **Observer Costs (13)**

Wages and expenses for observers.

# Taxes, Insurance, and Licenses (14)

Insurance and licenses for Commission vehicles, insurance and taxes on real property, and the cost of permits.

# Miscellaneous (15)

Dues, subscriptions, interest, bank and finance charges, losses (or gains) on currency exchange, and similar miscellaneous costs.

# **Special Projects (16)**

The bigeye tagging project and other projects.

# \$126.077

# \$189,771

# \$156,516

\$30.717

\$32.330

# \$235,607

#### \$574,991

# **\$91.148**

# \$1,440,002

# \$41.273

# \$8.086

# \$523.955

# **TABLE 1.** Comparative figures, in US\$, by project, FY 2002-2005.**TABLA 1.** Cifras comparativas, en US\$, por proyecto, AF 2002-2005.

	EXPENDITURE – GASTOS						
		2002	2003	2004	2005	Change from-	
	FY-AF	(actual	(estimated	(recommended	(recommended	Cambio de	
		reales)	estimados)	recomendados)	recomendados)	FY/AF 2004	
<b>REGULAR OP</b>	ERATIONS—OPERACIONES REGULARES						
A Administra	tive expenditures						
Gastos adm	ninistrativos	642,045	709,694	746,590	769,672	23,082	
	and analysis of catch statistics						
	n y análisis de estadísticas de captura	965,538	1,027,182	1,080,582	1,113,991	33,409	
	tunas and billfishes						
	e atunes y peces picudos	1,695,652	1,730,996	1,820,986	1,877,286	56,300	
E Oceanogra							
Oceanograf		31,400	43,514	45,776	47,191	1,415	
F Tuna taggin	0						
Marcado de		115,839	147,262	154,918	159,708	4,790	
	hin Program (excluding observer costs)						
	Atún-Delfín (excluye costos de observadores)	874,488	568,434	597,985	616,473	18,488	
	erver costs (30%)						
Costo de ol	oservadores de la CIAT (30%)	370,789	407,202	419,418	432,001	12,583	
	Total regular operations						
	Total operaciones regulares	4,695,751	4,634,284	4,866,254	5,016,321	150,067	
	ROJECTS—PROYECTOS ESPECIALES						
	roject – Proyecto de marcado de patudo	260,589	263,794	500,000	500,000	-	
Other projects—O			214,850	103,095	23,955	(79,140)	
	Subtotal:	260,589	478,644	603,095	523,955	(79,140)	
AIDCP—APICD							
I Observer co	osts(70%)—Costos de observadores(70%)	865,175	950,138	978,642	1,008,001	29,359	
J Other costs	of AIDCP—Otros costos del APICD	953,953	1,021,106	1,071,727	1,097,839	26,112	
	Subtotal:	1,819,128	1,971,244	2,050,369	2,105,840	55,471	
	Total special projects						
	Total proyectos especiales	2,079,717	2,449,888	2,653,464	2,629,795	(23,669)	
	TOTAL	6,775,468	7,084,172	7,519,719	7,646,116	126,397	

# **TABLE 1.** (continued)**TABLA 1.** (continuación)

INCOME – INGRESOS							
	2002	2003	2004	2005	Change from-		
FY-AF	(actual	(estimated	(recommended	(recommended	Cambio de		
	reales)	estimados)	recomendados)	recomendados)	FY/AF 2004		
<b>REGULAR OPERATIONS—OPERACIONES REGULARES</b>							
National contributionsContribuciones nacionales	3,667,551	4,435,782	4,550,854	5,016,321	465,467		
Contracts—Contratos	32,731	-	-	-	-		
Rent—Alquiler	18,000	18,000	18,000	-	(18,000)		
Interest & miscellaneous—Intereses y misceláneos	28,452	15,100	15,100	15,100	-		
Total regular operations							
Total operaciones regulares	3,746,734	4,468,882	4,583,954	5,031,421	447,467		
SPECIAL PROJECTS—PROYECTOS ESPECIALES							
Bigeye tagging–Marcado de patudo	271,521	259,294	500,000	500,000	-		
Research contracts — Contratos de investigación	82,634	140,850	109,095	23,955	(85,140)		
Achotines Laboratory contracts —Contratos Laboratorio de							
Achotines	-	34,500	13,500	6,000	(7,500)		
Subtotal:	354,155	434,644	622,595	529,955	(92,640)		
AIDCP—APICD:							
Vessel assessments Cuotas de buques	2,046,656	1,516,983	1,500,000	2,105,840	605,840		
Other cost recovery—Otra recuperación de costos	-	458,341	458,341	-	(458,341)		
Subtotal:	2,046,656	1,975,324	1,958,341	2,105,840	147,499		
Total special projects							
Total proyectos especiales	2,400,811	2,409,968	2,580,936	2,635,795	54,859		
TOTAL	6,147,545	6,878,850	7,164,890	7,667,216	502,326		

# TABLE 2. Comparative figures, in US\$, by budget object, FY 2002-2005TABLA 2. Cifras comparativas, en US\$, por categoría presupuestal, AF 2002-2005

		Γ	EXPENDITURE – GASTOS				
	FY	Y-AF	2002	2003	2004	2005	
	Category - Categoría		(actual—	(estimated—	(recommended—	(recommended—	
			reales)	estimados)	recomendados)	recomendados)	
1	Salaries Sueldos		3,081,420	3,165,216	3,272,497	3,386,953	
	Social security		5,001,420	5,105,210	3,272,497	3,380,933	
2	Social Security		216,541	220,697	228,177	236,158	
3	Pension plan						
3	Plan de pensiones		242,486	275,094	284,418	294,366	
4	Group insurance						
4	Seguro colectivo		248,466	261,486	269,652	278,166	
5	Rents, utilities, maintenance						
5	Alquileres, servicios públicos, mantenimiento		124,282	118,840	122,405	126,077	
6	Materials and supplies		221 101	172.044	104.044	100 771	
	Materiales y pertrechos		221,181	173,944	184,244	189,771	
7	Equipment and property Equipo y bienes raíces		118,069	88,694	153,414	156,516	
	Postage		118,009	88,094	155,414	150,510	
8	Correo		30,951	28,954	29,823	30,717	
0	Printing and duplication				- ,	, · · ·	
9	Imprenta y duplicado		38,828	30,474	31,388	32,330	
10	Travel and subsistence						
10	Viajes y viáticos		262,884	152,082	228,744	235,607	
11	Contractual services						
11	Servicios por contrato		595,255	615,422	577,387	574,991	
12	AIDCP direct costs						
	Costos directos del APICD		74,153	75,259	88,493	91,148	
13	Observer costs		1 225 074	1 257 240	1 200 070	1 440 000	
	Costos de observadores		1,235,964	1,357,340	1,398,060	1,440,002	
14	Taxes, insurance, licenses		22.007	28 004	40.071	41 272	
	Impuestos, seguros, licencias Miscellaneous		22,907	38,904	40,071	41,273	
15	Miscelánea		1,493	7,622	7,851	8,086	
	Special projects		1,195	7,022	,,001	3,000	
16	Proyectos especiales		260,589	474,144	603,095	523,955	
	v 1	TAL	6,775,469	7,084,172	7,519,719	7,646,116	