

EXHIBIT 1

U.S. National Marine Fisheries Service
Washington, D.C.

Gentleman:

In connection with the two male *delphinapterus leucas* owned by Grupo Empresarial Chapultepec, S.A. de C.V. ("GECSA") a Mexican corporation that are being transferred to the Georgia Aquarium, Inc. ("GAI"), a nonprofit corporation headquartered in Atlanta Georgia, which were legally acquired from Moscow as evidenced in the CITES certificate number 0021/98 issued by the Ministry of Environment Protection and Natural Resources of the Russian Federation and the CITES certificate number MEX-05839 dated April 28, 1998 issued by the Mexican Secretariat for the Environment and Natural Resources ("SEMARNAT"), and at the request of GAI, GECSA hereby states that:

1. GECSA owns an exhibit-facility located at "La Feria" in Mexico City designed specifically for the care and maintenance of belugas (the "Facility").
2. Since their acquisition in 1998 the two male belugas have housed at the Facility.
3. The Facility is authorized by SEMARNAT) under CITES certificate number INE/CITES/GGVS-EF-POO16-D.F./98.
4. GECSA has no intention of acquiring belugas to be housed at the Facility.

This letter is being issued solely for GAI's benefit and neither this letter or the statements contained herein is to be used, circulated, quoted or otherwise referred to for any other purpose than to obtain any and all permits licenses, including pre-requisites thereto, for the importation of the belugas into the United States of America.

Sincerely,

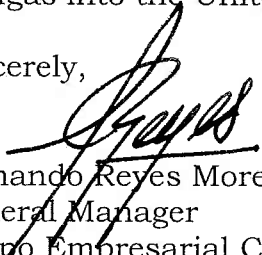
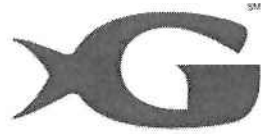

Fernando Reyes Moreno
General Manager
Grupo Empresarial Chapultepec S.A. de C.V.



EXHIBIT 2



GEORGIA AQUARIUM

09 June 2005

To Whomever This May Concern,

As the attending veterinarian for the Georgia Aquarium and being the veterinarian responsible for the transport of the two beluga whales from Mexico City to the United States, I am writing this letter to certify that I have reviewed the transport plan for these animals and find it satisfactory from a veterinary perspective. Additionally, this letter is to inform you that I will conduct a veterinary assessment of these animals prior to the transport to assure that they are suitable for transport.

Respectfully submitted,

Dr. Howard Krum, MS, VMD, MA

Manager of Veterinary Services and Conservation Medicine.

EXHIBIT 3

**ООО Утришский
дельфинарий**

*Институт проблем экологии и
эволюции им. Северцова РАН,
РОССИЯ, 119071, Москва,
Ленинский проспект 33,
тел /факс: (095)- 958-12-60,
e-mail: utrish@online.ru*

**Utrish
Dolphinarium LTD.**

*Severtsov Institute of Ecology
and Evolution of the RAS,
Leninsky prospect, 33
RUSSIA, 119071, Moscow,
tel / fax: (095)- 958-12-60,
e-mail: utrish@online.ru*

17.06.2005**Att. to: Mr. T. Binder****Fax: 1-404-979-8088**

Dear Sir,

We have sold two belugas (males) to Mexico for Mr. Gullermo Rodriguez in May 1998. Both belugas were captured humanely in the White Sea by specialists of the "Utrish Dolphinarium Ltd". And the collection was done legally under Russian law. The belugas were transported safely from Moscow to Amsterdam by Antonov-26 aircraft then by Boeing-747 of KLM. At that period of time we sold animals through the mediator company "Zoolex".

**Director of the
"Utrish Dolphinarium Ltd."**

A handwritten signature in black ink, appearing to be "L. M. Mukhametov".

L. M. Mukhametov

FROM : UTRISH DOLPHINARIUM

PHONE NO. : 958 1260

JUN. 10 2005 02:45PM P1

ООО Утришский дельфинарий

Институт проблем экологии и
эволюции им. Северцова РАН,
РОССИЯ, 119071, Москва,
Ленинский проспект 33,
тел /факс: (095)- 958-12-60,
e-mail: utrish@online.ru



Utrish Dolphinarium LTD.

Severtsov Institute of Ecology
and Evolution of the RAS,
Leninsky prospect, 33
RUSSIA, 119071, Moscow,
tel / fax: (095)- 958-12-60,
e-mail: utrish@online.ru

10.06.2005

Att. to: T. Binder

Fax: 1-404-979-8088

Dear Tim,

We have sold two belugas (males) to Mexico for Mr. Gullermo Rodriguez in May, 1998. One of those belugas was caught in autumn 1996, the other in autumn 1997. The both belugas were captured in the White Sea by the specialists of the "Utrish Dolphinarium Ltd." company (not by any fishermen) and those belugas were caught by net in the mouth of the river Varzuga. This method of catching is essentially simpler than that one you have seen in the Far East. But unfortunately in that particular place we can catch only the adult beluga-males, and we did not manage to catch there either females or young animals. From the moment we caught them till transportation those two belugas were kept in the "Utrish Dolphinarium" pools and were transported from Moscow to Amsterdam by Antonov-26 aircraft, and then by Boing-747 of the KLM. At that period of time we sold our animals through the mediator company "Zoolex".

Best wishes

Lev Mukhametov

EXHIBIT 4

КОНВЕНЦИЯ О МЕЖДУНАРОДНОЙ ТОРГОВЛЕ
ВИДАМИ ДИКОЙ ФАУНЫ И ФЛОРЫ
ПРАВЯЩАЯСЯ ПОД НАЗВАНИЕМ

CITES

CONVENTION ON INTERNATIONAL TRADE
IN ENDANGERED SPECIES
OF WILD FAUNA AND FLORA

ЭКСПОРТ
EXPORT

РЕЭКСПОРТ
RE-EXPORT

ИМПОРТ
IMPORT

ОРИГИНАЛ - ORIGINAL

РАЗРЕШЕНИЕ №
Permit No 0021/98

Действительно до:
Valid until: 02.08.98

Зачитная марка №
Security Stamp No RU9118299

Экспортер/Разпортер
Export/Re-exporter

РОССИЯ/RUSSIA

125212, Москва, ул. Выборгская, 8
ООО "ЗООЛЭКС"

125212, Moscow, ul. Vyborgskaya, 8
OOO "ZOOLEX"

МИНИСТЕРСТВО
ОХРАНЫ ОКРУЖАЮЩЕЙ СРЕДЫ
И ПРИРОДНЫХ РЕСУРСОВ
РОССИЙСКОЙ ФЕДЕРАЦИИ

MINISTRY OF ENVIRONMENT PROTECTION
AND NATURAL RESOURCES
OF RUSSIAN FEDERATION

РОССИЯ 123112 Москва
ул. Б. Грузинская, 4/6
Тел.: (095) 124 0471, 127 0410, 352 0750
Факс: (095) 254 8283

Б. Грузинская ул. 4/6
Moscow 123112 RUSSIA

Импортер
Importer

МЕКСИКА/MEXICO

"EXOTICOS Y SALVAJES" DRA. TERESA MORENO
(COVARRUVIAS 57 "B", COLONIA SAN MIGUEL,
CHAPULTEPEC, MEXICO D.F.

Особые условия:
Special conditions:

Русские и латинское названия
животного или растения
Russian and scientific name
of animal or plant

Описание образца,
включая матрицу
Specimen description

Происхождение
Origin

Источник
Source

Цель
Purpose

Количество экземпляров или вес
Quantity: number of specimens
- or weight

А
Белуха
Delphinapterus leucas

живые/live

II

W

T

2

РОССИЯ
RUSSIA

XXXXXXXXXXXXXXXXXXXX

Настоящее разрешение выдано
This permit is valid only if the transport conditions conform to the CITES Guidelines for transport
of Live Animals or, in the case of air transport, to the IATA Live Animals Regulations

Россия, г. Москва
Russia, Moscow

02.07.98
Дата (Date)



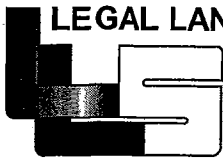
Подтверждение вывоза (экспорта / реэкспорта)

Название образца

Комментарий

Выполняется в пункте пересечения таможенной
границы Российской Федерации

Пункт пропуска



LEGAL LANGUAGE SERVICES

An affiliate of ALS International
18 John Street
Suite 300
New York, NY 10038

Telephone (212) 766-4111
Toll Free (800) 788-0450
Telefax (212) 349-0964
www.legallanguage.com

May 31, 2005

To whom it may concern:

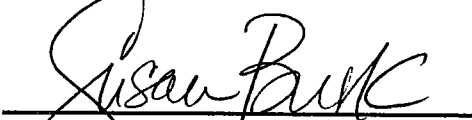
This is to certify that the attached translation from Russian into English is an accurate representation of the document received by this office. This document is designated as:

VETERINARY CERTIFICATE NR. 930103 001207

Susan Burk, Manager Translation Services of this company, certifies that James Duck, who translated this document, is fluent in Russian and standard North American English and is qualified to translate.

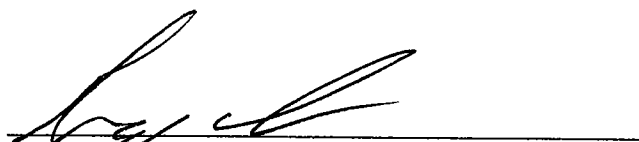
She attests to the following:

"To the best of my knowledge, the accompanying text is a true, full and accurate translation of the specified document."



Signature of Susan Burk

Subscribed and sworn to before me this 31st day of May 2005



George Alves

Notary Public, State of New York
No. 01AL6075934
Certificate filed in New York County
Qualified in Westchester County
Commission Expires June 10, 2006

Sincerely,

Victor J. Hertz
President & CEO

RUSSIAN FEDERATION
MINISTRY OF AGRICULTURE AND FOOD
VETERINARY DEPARTMENT
VETERINARY CERTIFICATE NR. 930103 001207
for slaughter, breeding and other animals, poultry, bees and brood combs
exported from the Russian Federation

[Stamp: Moscow Air Transport Veterinary Border Control Point.]

Number of Animals: **2**

	Species	Sex	Age	ear mark, brand, name weight
1.	White whale	Male	3 Years	Clinically
2.	White whale	Male	3 Years	healthy

(Delphinapterus leucas)

Name and address of exporter: **Russia, "Zooleks" Open Joint Stock Company**

Animals have been in the Russian Federation: **from birth**

Place of quarantine: **The Utrinsk Delphinarium, LLC.**

Country of destination: **Mexico**

Country of transit: **city of Amsterdam**

Point of crossing the border: **Moscow, Sheremetyevo Airport**

Name and address of consignee: **Mexico City, the "Exoticos [Salvaez]" Company**

Means of transportation: **Aircraft**

The animals came from the locality free from:

Free from infectious animal diseases

Animals, during 30 days quarantine were examined in the State Veterinary Laboratory, licensed for conducting such examination, with negative results for:

TKB Nr. 7 Clinical blood analysis

Made on 05/30/98

Veterinarian: ***E.N. Demchuk***

Signature: [signature]

[Stamp: Illegible except for words "Moscow Air Transport Veterinary Border Control Point."]

РОССИЙСКАЯ ФЕДЕРАЦИЯ
RUSSIAN FEDERATION

Форма № 5а

Министерство сельского хозяйства и продовольствия
Ministry of Agriculture and Food
Департамент ветеринарии
Veterinary Department

ВЕТЕРИНАРНЫЙ СЕРТИФИКАТ
VETERINARY CERTIFICATE №

930103001207

на экспортируемых из Российской Федерации
убойных, племенных и других животных, птицу, пчел и расплода пчел
for slaughter, breeding and other animals, poultry, bees and brood-combs,
exported from the Russian Federation

АВИАТРАНСПОРТНЫЙ
ПОГРАНИЧНЫЙ КОНТРОЛЬНЫЙ
ВЕТЕРИНАРНЫЙ ПУНКТ

Пограничный контрольный ветеринарный пункт
Frontier Veterinary Control Post

Количество животных
Number of animals 2

	Вид животного Species, kind*	пол sex	порода breed	возраст age	ушная метка, клеймо, кличка, вес ear mark, brand, name, weight
1.	Белуха	♂		3 года	Кимирская
2.	Белуха	♂		3 года	Здоровая
(Delphinapterus leucas)					

При перевозке более 5 животных составляется опись животных, которая подписывается ветеринарным врачом погранветпункта и является неотъемлемой частью данного сертификата.

The inventory is made, if more than 5 animals are shipped, it is signed by the veterinarian from frontier control veterinary post and constitute an integral part of this certificate.

улей с пчелами (пчелиная семья), пчелопакеты
* (соты, бещоты), пчелиные матки и пр.
hive with bees (bee family), bee parcels (honeyscombs, unhoneyscombs), bee queens etc.

1. Происхождение животных / Origin of the animals

Название и адрес экспортера
Name and address of exporter Россия, ООО Зоолэкс

Место происхождения животных (место рождения или приобретения животных - страна, область, район)
Place of origin of the animals (place of birth or acquirement of the animals - country, region, district)

Животные находились в Российской Федерации с рождением
Animals have been in the Russian Federation с рождения
(с рождения или не менее 6 мес. / from birth or not less than 6 months)
(Для диких животных указать место отлова / For wild animals indicate the place of capture)

Место карантинирования
Place of quarantine МОУ Угрюмовской сельской администрации

2. Направление животных / Information about destination

Страна назначения
Country of destination Мексика

Страна транзита
Country of transit 1. Анисейград

Пункт пересечения границы
Point of crossing the border 2. Москва, а/п Шереметьево

Название и адрес получателя
Name and address of consignee 1. Мексико, фирма Жютикос и Сальвадор

Транспорт
Means of transportation самолеты
(указать № вагона, автомашины, рейс самолета, судна / specify the number of the wagon, truck, flight-number, name of the ship)

3. Я, нижеподписавшийся Государственный ветеринарный врач Российской Федерации, удостоверяю, что вышеуказанные животные прошли дневный карантин с ежедневным клиническим осмотром. не имели контакта с другими животными, обследованы в день выдачи сертификата и не имеют клинических признаков инфекционных заболеваний

Транспортные средства очищены и продезинфицированы принятыми в Российской Федерации методами и средствами.
Means of transportation have been cleaned and disinfected by the methods and means, approved in the Russian Federation.

Животные выходят из местности, где не регистрировались:
The animals came from the locality free from:

*Благотворительной по
инфекционным заболеваниям
всех животных.*

в течение последних _____
during the last _____
в течение последних _____
during the last _____
в течение последних _____
during the last _____
в течение последних _____
during the last _____
в течение последних _____
during the last _____

Животные выходят из хозяйств, где не регистрировались:
The animals came from the premises free from:

в течение последних _____
during the last _____
в течение последних _____
during the last _____
в течение последних _____
during the last _____
в течение последних _____
during the last _____
в течение последних _____
during the last _____

Животные в период 30 - дневного карантина исследовались в государственной ветеринарной лаборатории, имеющей разрешение на такие исследования, с отрицательным результатом на:
Animals during 30 days quarantine were examined in the State Veterinary Laboratory, licensed for conducting such examination, with negative results for:

*Смертельные случаи крови
ТКБН7*

« _____ » _____ 19 ____ г.
« _____ » _____ 19 ____ г.
« _____ » _____ 19 ____ г.
« _____ » _____ 19 ____ г.
« _____ » _____ 19 ____ г.

Проведена вакцинация против:
Animals were vaccinated against:

« _____ » _____ 19 ____ г.
« _____ » _____ 19 ____ г.
« _____ » _____ 19 ____ г.
« _____ » _____ 19 ____ г.
« _____ » _____ 19 ____ г.

Животные обработаны против паразитов:
Animals were treated against parasites:

« _____ » _____ 19 ____ г.
« _____ » _____ 19 ____ г.

Упаковочный материал и сопровождающие продукты происходят непосредственно из хозяйства экспортера и не имели контакта с больными животными или загрязненными продуктами и материалами.

The packing material and accompanying products derived directly from the premise of the exporter and have not been in contacts with diseased animals or contaminated products and substances.

Составлено / Made on « 30 » 05 19 98 г.

Ветеринарный врач / Veterinarian

Демчук В. Н.

(должность, фамилия / title, name)

Подпись / Signature

Демчук В. Н.

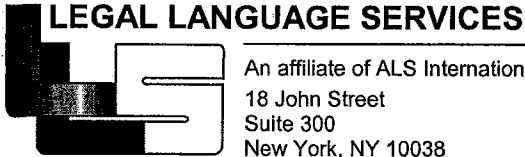
Печать



Сертификат действителен в течение 90 дней с момента выдачи. Животные, выходящие в Российскую Федерацию из зарубежных стран спортивных, цирковых и других животных в течение 90 дней с момента выезда из мест, где имелись вспышки инфекционных заболеваний, что должно быть подтверждено государственной ветеринарной службой этих стран.

The certificate is valid for returning into the Russian Federation from the foreign countries of sport, circus and other animals within 90 days after issuing without additional testing and treatment, if the animals have not been in the localities, where infectious diseases were registered, what must be confirmed by the State Veterinary Service of these countries.

EXHIBIT 5



An affiliate of ALS International
18 John Street
Suite 300
New York, NY 10038

Telephone (212) 766-4111
Toll Free (800) 788-0450
Telefax (212) 349-0964
www.legallanguage.com

May 31, 2005

To whom it may concern:


This is to certify that the attached translation from Spanish into English is an accurate representation of the document received by this office. This document is designated as:

**CONVENTION ON INTERNATIONAL
COMMERCE OF ENDANGERED SPECIES OF WILDLIFE FLORA & FAUNA**

Susan Burk, Manager Translation Services of this company, certifies that Shelley Roan, who translated this document, is fluent in Spanish and standard North American English and is qualified to translate.

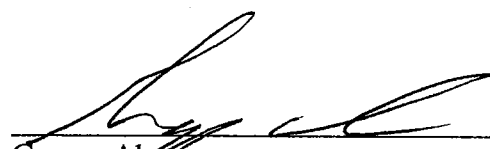
She attests to the following:

"To the best of my knowledge, the accompanying text is a true, full and accurate translation of the specified document."



Signature of Susan Burk

Subscribed and sworn to before me this 31st day of May 2005



George Alves

Notary Public, State of New York
No. 01AL6075934
Certificate filed in New York County
Qualified in Westchester County
Commission Expires June 10, 2006

Sincerely,

Victor J. Hertz
President & CEO

28 OCT [illegible year]

CONVENTION ON INTERNATIONAL
COMMERCE OF ENDANGERED SPECIES
OF WILDLIFE FLORA & FAUNA

X IMPORTATION
EXPORTATION
REEXPORTATION
OTHERS

[illegible]
PROMOTORA DE CENTROS DE ESPARCIMIENTO S.A. DE C.V.
Y/O EXOTICOS Y SALVAJES, S.A. DE C.V.
REFORMA LOMAS No. 155-1
COL. LOMAS DE CHAPULTEPEC
11000 - MEXICO DF.

[illegible]
PROMOTORA DE CENTROS DE ESPARCIMIENTO S.A. DE C.V.
Y/O EXOTICOS Y SALVAJES, S.A. DE C.V.
REFORMA LOMAS No. 155-1
COL. LOMAS DE CHAPULTEPEC
11000 - MEXICO DF.

Country [illegible] MEXICO

[illegible]
THESE SPECIMENS SHALL BE HOUSED IN
INSTALLATIONS WITH REGISTRATION NO.
INE/CITES/DGVS/EF-P-016-D.F./98

c. Name, domicile and [illegible]

SECRETARIA DE MEDIO AMBIENTE,
RECURSOS NATURALES Y PESCA.
INSTITUTO NACIONAL DE ECOLOGIA.
DERRECCION GENERAL DE VIDA SILVESTRE.
AV. REVOLUCION 1426 NIVEL 21.
COL. TLACOPAC.
DELEG. ALVARO OBREGON
[illegible] - MEXICO DF

[4 illegible lines]

[illegible] SHOW [illegible] MX 9123039

[illegible] WHITE WHALE [illegible] [illegible] [illegible] [illegible]
(Dolphinapterus leucac) ALIVE II W 02 HEADS

Country of Origin Permit No. Date [illegible] [illegible] Date [illegible]
RUSSIAN FEDERATION 0021/98 2-FEB-98 RUSSIAN FEDERATION 0021/98 2-FEB-98

[illegible]

Country of origin Permit No. Date Country of [illegible] [illegible] Date [illegible]

[illegible]

Country of origin Permit No. Date Country of [illegible] [illegible] Date [illegible]

[illegible]

Country of origin Permit No. Date Country of [illegible] [illegible] Date [illegible]

[illegible]

Country of origin Permit No. Date Country of [illegible] [illegible] Date [illegible]

[illegible]

[illegible]

[illegible]

[illegible] CERTIFICATION OF THE [illegible] ADMINISTRATIVE AUTHORITY
DEPARTMENT OF WILDLIFE

GENERAL DIRECTOR
[illegible]

MX 9123039

MEXICO D.F.
PLACE

28-APR-98
DATE

SIGNATURE

CITES [seal] MEXICAN UNITED STATES
SECRETARIAT OF THE ENVIRONMENT
NATURAL RESOURCES & FISHING

APPROVAL NO. [illegible]

[illegible]

DEFINITIVE IMPORTATION

[illegible] 02 HEADS

A
B
C

D INTERNATIONAL AIRPORT OF MEXICO CITY
E COUNTRY OF ENTRY

05/31/98 [seal] MEXICAN UNITED STATES GOVT ATTORNEY'S OFFICE
DATE OF ENVIRONMENTAL PROTECTION
OFFICE OF THE GOVT ATTORNEY FOR NATURAL RESOURCES
FOLIO AND DATE OF [illegible] CITES CERTIFICATION NO. 05830

FRRV JMRG PEDOMAC [illegible]

D00750-03796/98

[illegible]

DEPT OF SUPERVISION FLORA & FAUNA [illegible]



SECRETARÍA DE MEDIO AMBIENTE
RECURSOS NATURALES Y PESCA

CONVENCIÓN SOBRE EL
COMERCIO INTERNACIONAL
DE ESPECIES AMENAZADAS
DE FAUNA Y FLORA SILVESTRES

NO. DE	1	DE	1	CODIGO DE BARRAS
1. CERTIFICADO CITES ORIGINAL No.				
MEX		05839		
2. VALIDO HASTA				
28-01-98				
X	IMPORTACION			
	EXPORTACION			
	REEXPORTACION			
	OTROS			

3. Emisor (nombre y dirección)
**PROMOTORA DE CENTROS DE ESPARCIMIENTO, S.A. DE C.V.
 Y/O EXOTICOS Y SALVAJES, S.A. DE C.V.
 REFORMA LOMAS No. 165-1
 COL. LOMAS DE CHAPULTEPEC.
 11000 - MEXICO, D.F.**

4. Titular (nombre y dirección, país)
**PROMOTORA DE CENTROS DE ESPARCIMIENTO, S.A. DE C.V.
 Y/O EXOTICOS Y SALVAJES, S.A. DE C.V.
 REFORMA LOMAS No. 165-1
 COL. LOMAS DE CHAPULTEPEC.
 11000 - MEXICO, D.F.**

5. País de destino
MEXICO

6. Nombre, dirección y país de la Autoridad Administrativa
**SECRETARIA DE MEDIO AMBIENTE,
 RECURSOS NATURALES Y PESCA.
 INSTITUTO NACIONAL DE ECOLOGIA.
 DIRECCION GENERAL DE VIDA SILVESTRE.
 AV. REVOLUCION 1461 NIVEL II.
 COL. TLACOPAC.
 DELEG. ALVARO OBREGON.
 0600 - MEXICO, D.F.**

7. Nombre común y nombre científico
**ESTOS EJEMPLARES SERAN ALOJADOS EN SUS
 INSTALACIONES CON REGISTRO
 No. INE/CITES/DGVS/EF-P-016-D.F./98**

8. Objeto de la transacción
ESPECTACULO

9. Botapunto de seguridad No.
MX0123039

10. Nombre común y nombre científico	9. Descripción parte o derivado, marca o número de identificación (solo para vivos)	10. Apellido y Procedencia	11. Cantidad número de especímenes y/o peso neto (kg.)	11a. Total exportado/Opso
BALLENA BLANCA Dalphinapterus leucæ)	VIVO	II W	02 CABEZAS	

1. País de origen*	Permiso No.	Fecha	12a. País de procedencia	No. de certificado	Fecha	12b. No. de la operación ** o fecha de la adquisición***
FEDERACION RUSA	0021/98	2-feb-98	FEDERACION RUSA	0021/98	2-feb-98	

*Indicar el país en el cual los especímenes fueron capturados o recolectados en la naturaleza, nacidos o criados en cautividad o reproducción artificialmente (solo en caso de importación)
 ** Soloamente para los especímenes del Apéndice I nacidos y criados en cautividad con fines comerciales.
 *** Para los especímenes pre-Convención

ESTE CERTIFICADO ES EMITIDO POR LA AUTORIDAD ADMINISTRATIVA CITES MEXICO.
 DIRECCION GENERAL DE VIDA SILVESTRE.

MEXICO, D.F.

LUGAR

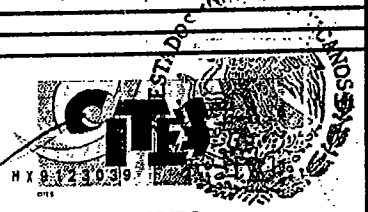
28-abr-98

FECHA

DIRECTOR GENERAL
 FELIPE RAMIREZ RUIZ DE VELAZCO

Felipe Ramirez Ruiz de Velasco

PIRMA



SECRETARÍA DE MEDIO AMBIENTE
RECURSOS NATURALES Y PESCA

14. Importación de la

Var Item 7	Cantidad
A	02 CABEZAS
B	
C	
D	
E	

IMPORTACION DEFINITIVA

AEROPUERTO INT. CD. DE MEXICO

Puerto de ENTRADA

15. Coordinamiento de embarque/parte de parte zero.

31/05/98

FECHA

ESTADOS UNIDOS MEXICANOS

PROCURADURIA FEDERAL DE PROTECCION AL AMBIENTE
 SUBPROCURADURIA DE REC. NAT.
 DIRECCION GENERAL DE INSPECCION Y VIGILANCIA FEDERAL DE FAUNA Y FLORA SILVESTRE

CERTIFICADO CITES No. 05839
 INSPECCION FITOSANITARIA Y CITES



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May 31, 2005

To whom it may concern:

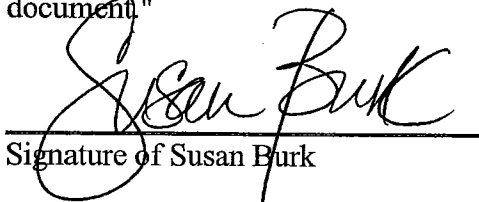
This is to certify that the attached translation from Spanish into English is an accurate representation of the document received by this office. This document is designated as:

OFFICIAL LETTER No. DOO.750-3717/98

Susan Burk, Manager Translation Services of this company, certifies that Shelley Roan, who translated this document, is fluent in Spanish and standard North American English and is qualified to translate.


She attests to the following:

"To the best of my knowledge, the accompanying text is a true, full and accurate translation of the specified document."



Signature of Susan Burk

Subscribed and sworn to before me this 31st day of May 2005



George Alves
Notary Public, State of New York
No. 01AL6075934
Certificate filed in New York County
Qualified in Westchester County
Commission Expires June 10, 2006

Sincerely,

Victor J. Hertz
President & CEO

NATIONAL INSTITUTE OF ECOLOGY
DEPARTMENT OF WILDLIFE
AV. REVOLUCION 1425, LEVEL 20
COL. TLACOPAC, DELEG. ALVARO OBREGON
01040, MEXICO D.F.

Attachment 4

Schedule 41

OFFICIAL LETTER No. DOO.750-3717/98

Mexico, D.F., April 24, 1998

JAIME JIMÉNEZ MUÑOZ
LEGAL REPRESENTATIVE OF PROMOCIONES
DE CENTROS DE ESPARCIMIENTO, S.A. DE C.V.

On the basis of the provisions of Articles 32-Bis sections V, XIX, XX, XXXIX and No. Eight Provisional of the Decree that revises, complements and repeals various provisions of the Organic Law of Federal Public Administration published in the Official Journal of the Federation on December 28, 1994; 57 section VIII of the Interior Regulation of the Secretariat of the Environment, Natural Resources and Fishing; 79 through 87 of the Decree that revises, complements and repeals several provisions of the General Law of Ecological Equilibrium and Environmental Protection published in the Official Journal of the Federation of December 13, 1996 and if there is no objection on the part of the authorities of the Department of the Federal District for the construction of the installations, in addition to taking into account the opinion of the technical area of this State Department, this authorization is granted to the Fixed Show PROMOTORA DE CENTROS DE ESPARCIMIENTO for handling beluga specimens (*Delphinapterus leucæ*) for the purposes of exhibition in the installations that are constructed at Reforma-Lomas No. 155-1 Lomas de Chapultepec, 2nd Section of Chapultepec, in Zip code 11000, Mexico, D.F., which has been registered with the code INE/CITES/DGVS-EF-P-0016-D.F./98, being the property of the Company "PROMOTORA DE CENTROS DE ESPARCIMIENTO S.A. DE C.V.", whose legal representative is Jaime Jimenez Muñoz, hereinafter known as the Permit Holder.

The Permit Holder may not acquire wildlife specimens of the authorized species until the construction of the installations has been finished in accordance with the plan for handling them that was submitted to this State Office; in addition, he is obligated to inform this Department in my charge, when any wildlife specimens are acquired that shall form part of the show, and that shall have the documentation that verifies their legal acquisition and origin.

This authorization is valid for an "INDEFINITE" amount of time, with the Permit Holder obligated to strictly comply with the conditions indicated on the reverse and any violation or non-compliance hereof shall be sufficient reason for its cancellation.

SINCERELY
ELECTIVE SUFFRAGE, NO REELECTION
THE GENERAL DIRECTOR
[Signature- illegible]
FELIPE RAMIREZ RUIZ DE VELASCO

[illegible stamp]

CC. Lic. Enrique Provencio.- President of the National Institute of Ecology.
Lic. Victor Ramirez Navarro.- Deputy Attorney for Verification of Natural Resources (PROFEPA).-
Ing. Leonel Morales Hernandez.- Head of the Sub-delegation of Natural resources in the D.F.-
Biol. Jose María Reyes Gómez.- Managing Director.-
Biol. Pedro Esteban Díaz Díaz.- Deputy Director of Wildlife Services.-
M.V.Z. - Manager of the Processing Department and Special Services.-
File (1716, 3176) spectacles/w6/EF=P0016.doc

JMRG/PERD/ASGD [2 illegible signatures]



SECRETARIA
DE MEDIO AMBIENTE
RECURSOS NATURALES Y PESCA

**INSTITUTO NACIONAL DE ECOLOGIA
DIRECCION GENERAL DE VIDA SILVESTRE
AV. REVOLUCION 1425, NIVEL 20
COL. TLACOPAC, DELEG. ALVARO OBREGON
01040, MEXICO, D.F.**

schedule
411

OFICIO No. DOO.750.-3717/98

México, D.F., a 24 de Abril de 1998

**C. JAIME JIMENEZ MUÑOZ
REPRESENTANTE LEGAL DE PROMOCIONES
DE CENTROS DE ESPARCIMIENTO, S.A. DE C.V.
P R E S E N T E**

Con fundamento en lo dispuesto en los Artículos 32-Bis fracciones, V, XIX, XX, XXXIX y Octavo Transitorio del Decreto que reforma, adiciona y deroga diversas disposiciones de la Ley Orgánica de la Administración Pública Federal publicado en el Diario Oficial de la Federación del 28 de Diciembre de 1994; 57 fracción VIII del Reglamento Interior de la Secretaría de Medio Ambiente, Recursos Naturales y Pesca; 79 al 87 del Decreto que reforma, adiciona y deroga diversas disposiciones de la Ley General del Equilibrio Ecológico y Protección al Ambiente publicado en el Diario Oficial de la Federación del 13 de Diciembre de 1996, y al no existir objeción por parte de las autoridades del Departamento del Distrito Federal para la construcción de las instalaciones, además de tomar en cuenta la opinión del área técnica de esta Dirección General, se otorga la presente autorización al Espectáculo Fijo **PROMOTORA DE CENTROS DE ESPARCIMIENTO**, para el manejo de ejemplares de beluga (*Delphinapterus leucæ*) con fines de exhibición en las instalaciones que se construyen en Reforma-Lomas No. 155-1 Lomas de Chapultepec, 2a. Sección de Chapultepec en, C.P. 11000, México, D.F., el cuál queda registrado con la clave: **INE/CITES/DGVS-EF-P-0016-D.F./98**, siendo propiedad de la Empresa "PROMOTORA DE CENTROS DE ESPARCIMIENTO S.A. DE C.V.", cuyo representante legal es el C. Jaime Jimenez Muñoz, quién en lo sucesivo se denominará **El Permisionario**.

El Permisionario no podrá adquirir ejemplares de fauna silvestre de la especie autorizada, hasta en tanto no finalicen las obras de construcción de las instalaciones conforme al plan de manejo presentado ante esta Dependencia, además queda obligado a informar en su momento a está a mi cargo, la adquisición de ejemplares de fauna silvestre que formarán parte del espectáculo, los cuales deberán contar con documentación que acredite su legal adquisición y procedencia.

La validez de la presente autorización tiene una vigencia "INDEFINIDA" estando **El Permisionario** obligado a dar estricto cumplimiento a las condiciones indicadas al reverso y cualquier violación o incumplimiento de las mismas será motivo suficiente para su cancelación.

**ATENTAMENTE
SUFRAGIO EFECTIVO. NO REELECCION.
EL DIRECTOR GENERAL**

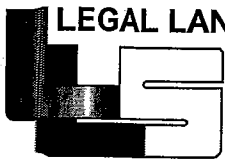
FELIPE RAMIREZ RUIZ DE VELASCO.

- C.c.p. Lic. Enrique Provencio.- Presidente del Instituto Nacional de Ecología.- Presente.
- Lic. Victor Ramírez Navarro.- Subprocurador de Verificación de Recursos Naturales (PROFEP).- Pte.
- Ing. Leonel Morales Hernandez.- Encargado de la Subdelegación de Recursos Naturales en el D.F.- Presente.
- Biol. Jose Maria Reyes Gómez.- Director de Gestión.-Presente.
- Biól. Pedro Esteban Díaz Díaz.- Subdirector de Servicios de Vida Silvestre.- Presente.
- M.V.Z.- Jefe del Departamento de Gestión y Servicios Especiales.-Presente.
- Archivo (1716, 3176) espectaculos/w6/EF-P0016.doc

JMRG/PEDD/ASGD

7

EXHIBIT 6



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May 31, 2005

To whom it may concern:


This is to certify that the attached translation from Spanish into English is an accurate representation of the document received by this office. This document is designated as:

OFFICIAL LETTER No. DOO.02.- 1078

Susan Burk, Manager Translation Services of this company, certifies that Shelley Roan, who translated this document, is fluent in Spanish and standard North American English and is qualified to translate.

She attests to the following:

"To the best of my knowledge, the accompanying text is a true, full and accurate translation of the specified document."



Signature of Susan Burk

Subscribed and sworn to before me this 31st day of May 2005



George Alves

Notary Public, State of New York

No. 01AL6075934

Certificate filed in New York County

Qualified in Westchester County

Commission Expires June 10, 2006

Sincerely,

Victor J. Hertz
President & CEO

NATIONAL INSTITUTE OF ECOLOGY
DEPARTMENT OF WILDLIFE
AV. REVOLUCION 1425, LEVEL 20
COL. TLACOPAC, DELEG. ALVARO OBREGON
01040, MEXICO D.F.

Schedule 13

OFFICIAL LETTER No. DOO.02.- 1078

ORIGINAL

Mexico, D.F., MARCH 1, 2001

ALEJANDRO GUILLERMO RODRÍGUEZ MAURICE
LEGAL REPRESENTATIVE OF
"GRUPO EMPRESARIAL CHAPULTEPEC, S.A. DE C.V."
AV. LAS PALMAS 1005 7TH Floor
COL. LOMAS DE CHAPULTEPEC
DELEGATION MIGUEL HIDALGO,
ZIP CODE 11000, MEXICO D.F.

In relation to the document received in the Department of Wildlife, in which you inform us of the change of ownership of the Handling Unit for the Conservation of Wildlife (UMA) called "PROMOTORA DE CENTROS DE ESPARCIMIENTO" code INE/CITES/DGVS-EF-P-0016-D.F./98" located at Reforma-Lomas No. 155-1, Lomas de Chapultepec, Second Section of Chapultepec, Zip code 11000, Mexico, D.F., for the handling of two specimens of the species beluga (*Delphinapterus leucae*).

In regard to this matter, this is to inform you that this State Office has no objection to, effective on the date of issuance of this document, the company "GRUPO EMPRESARIAL CHAPULTEPEC, S.A. DE C.V. being named the owner of said Unit, by which the owner or owners assume the commitments acquired under the conditions established for the functioning and operation of the aforementioned Unit; having to consult the environmental educational program as well as respect the provisions set forth in articles 29 to 32, 34, 35 and 37 of the General Law of Wildlife published in the Official Journal on July 3, 2000.

Finally I remind you that this document should be accompanied invariably with the official letter of registration No. 3717/88 dated April 24, 1998 issued by the Department of Wildlife.

SINCERELY
ELECTIVE SUFFRAGE, NO REELECTION
IN THE ABSENCE OF THE GENERAL DIRECTOR
IN ACCORDANCE WITH ARTICLE 104 OF THE INTERIOR
REGULATION OF SEMARNAP - THIS LETTER IS SIGNED BY
THE DIRECTOR OF PROCESSING AND CUSTOMER SERVICES
[Signature- illegible]
PEDRO ESTEBAN DIAZ DIAZ

[illegible stamp]

SEMARNAP

CC. Ezequiel Facurra.- President of the National Institute of Ecology.- Building.
Fernando Clemente Sanchez.- Director of Wildlife.- Building
Benjamin Gonzalez Brizuela.- General Coordinator of inspection & Supervision of Wildlife Flora and Fauna of PROFEPA.- Periferico Sur 5000. Colonia Insurgentes [illeg.] 2° Floor, Zip Code 04530. Mexico D.F.-
Miguel Angel Cobian Gaviño.- Deputy Director of Customer Service.- Building.
Mauro Ivan Reyna Medrano- Deputy Director of Promotion & Field Operations.- Building
Florencia Chillopa Morales - Manager of Department of Traditional Uses of Fauna- Edificio.
[illegible]
File 1217/01
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[2 illegible signatures]

INSTITUTO NACIONAL DE ECOLOGIA
DIRECCION GENERAL DE VIDA SILVESTRE
AV. REVOLUCION 1425, NIVEL 20
COL. TLACOPAC, DELEG. ALVARO OBREGON
01040, MEXICO, D.F.

OFICIO No. DOO.02.- 1078

México, D.F., a

01 MAR. 2001

ORIGINAL

JUANALEJANDRO GUILLERMO RODRIGUEZ MAURICE
REPRESENTANTE LEGAL DE
GRUPO EMPRESARIAL CHAPULTEPEC, S.A. DE C.V."
AV. DE LAS PALMAS 1005 7º PISO,
COL. LOMAS DE CHAPULTEPEC,
DELEG. MIGUEL HIDALGO,
C.P. 11000, MEXICO, D.F.

En relación al escrito recibido en la Dirección General de Vida Silvestre, medio por el cual informa el cambio de propietario de la Unidad de Manejo para la Conservación de Vida Silvestre (UMA) denominada "PROMOTORA DE CENTROS DE ESPARCIMIENTO" clave INE/CITES/DGVS-EF-P-0016 D.F. 798, ubicado en Reforma-Lomas No. 155-1, Lomas de Chapultepec, Segunda Sección de Chapultepec, C.P. 11000, México, D.F., para el manejo de dos ejemplares de la especie beluga (*Deltentosteus leucacae*).

Al respecto informo a Usted, que por parte de esta Dependencia, no hay inconveniente en que a partir de la fecha de expedición del presente, la empresa "GRUPO EMPRESARIAL CHAPULTEPEC, S.A. DE C.V." sea el propietario de dicha Unidad, con lo cual el o los propietarios asumen los compromisos adquiridos en las condicionantes establecidas para el funcionamiento y operación de la Unidad antes mencionada, debiendo remitir el programa de educación ambiental, así como apearse a lo establecido en los artículos 29 al 32, 34, 35 y 37 de la Ley General de Vida Silvestre, publicada en el Diario Oficial de la Federación el 3 de julio de 2000.

Finalmente le recuerdo que este documento deberá estar acompañado invariablemente del oficio de registro No. 3717/98 de fecha 24 de abril de 1998 emitido por la Dirección General de Vida Silvestre.

ATENTAMENTE
SUERAGIO EFECTIVO. NO REELECCION.
EN AUSENCIA DEL C. DIRECTOR GENERAL
CONFORME AL ARTICULO 104º DEL REGLAMENTO
INTERIOR DE LA SEMARNAP FIRMA EL PRESENTE
EL DIRECTOR DE GESTION Y ATENCION A USUARIOS

PEDRO ESTEBAN DIAZ DIAZ

I. N. B.

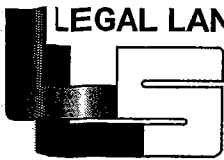
SEMARNAP

- C. Executiv Escucha.- Presidente del Instituto Nacional de Ecología.- Edificio.
- C. Ferrnando Clámnte Sánchez.- Director General de Vida Silvestre.- Edificio.
- C. Benjamín González Brizuela.- Coordinador General de Inspección y Vigilancia de Flora y Fauna Silvestres de la PROFEPA.- Periférico Sur 5000, Col. Insurgentes Cuicuilco 2do. Piso, C.P. 04530, México, D.F.- Presente.
- C. Miguel Ángel Cobán Gaviño.- Subdirector de Servicio a Usuarios.- Edificio.
- C. Mauro Iván Reyna Medrano.- Subdirector de Promoción y Operaciones de Campo.- Edificio.
- C. Floréntino Chilónpa Morales.- Jefe del Departamento de Usos Tradicionales de la Fauna.- Edificio.

Minutario

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May 31, 2005

To whom it may concern:

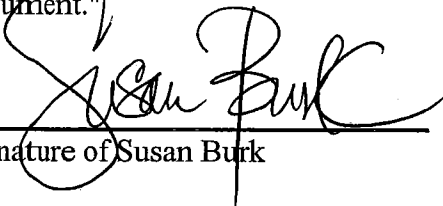
This is to certify that the attached translation from Spanish into English is an accurate representation of the document received by this office. This document is designated as:

Notification of substitution of ownership of rights and obligations of two specimens of belugas

Susan Burk, Manager Translation Services of this company, certifies that Shelley Roan, who translated this document, is fluent in Spanish and standard North American English and is qualified to translate.

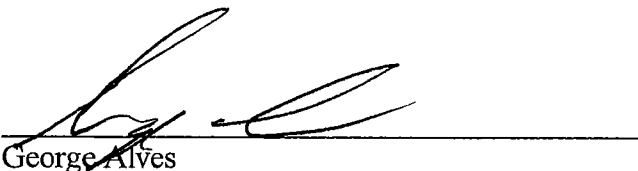
She attests to the following:

"To the best of my knowledge, the accompanying text is a true, full and accurate translation of the specified document."



Signature of Susan Burk

Subscribed and sworn to before me this 31st day of May 2005



George Alves

Notary Public, State of New York
No. 01AL6075934
Certificate filed in New York County
Qualified in Westchester County
Commission Expires June 10, 2006

Sincerely,

Victor J. Hertz
President & CEO

SECRETARIAT OF ENVIRONMENT
AND NATURAL RESOURCES
DEPARTMENT OF WILDLIFE

Ref: Notification of substitution of ownership of rights
and obligations of two specimens of belugas
(Delphinapterus leucae)
Entry: INE/CITES/DGVS/-EP-P-0016-DF/98

Lic. Alejandro Guillermo Rodriguez Maurice, on behalf of and in representation of GRUPO EMPRESARIAL CHAPULTEPEC, S.A. DE C.V., whose legal capacity has been verified through a certified copy of the transcript of public document number 45.803 dated February 2, 2001, executed before the faith of Lic. Roberto Núñez y Bandera, Notary Public number 1 in the Federal District, indicating as the address to hear and receive all kinds of notifications and documents, that located at Av. de Las Palmas 1005, 7th Floor, colonia Lomas de Chapultepec, Zip code 11000; Delegation Miguel Hidalgo, in Mexico, Federal District, and authorizing for these same purposes, Licenciates in Law, Alfonso Tenorio Paulín, Eduardo Mondragón Mora, Antonio Segura Ortega, Claudio Ibarra Barrera, Cecilia Turnbull Buenrostro and the intern Aybet Soto Byron, before that Honorable Authority, with due respect, I appear and state:

By means of this petition, I inform that Honorable Department, that as a result of negotiations between the company PROMOTORA DE CENTROS DE ESPARCIMIENTO, S.A. DE C.V. and my client GRUPO EMPRESARIAL CHAPULTEPEC, S.A. DE C.V., it was agreed that the first would transfer to the second, all the rights and obligations related to the marine mammals called belugas (Delphinapterus leucae), with certification CITES 05839, housed in the installations registered as INE/CITES/DGVS-EF-P-0016-D.F./98, located in the Second Section of Chapultepec, Zip Code 11580, Mexico, Federal District, "La Feria de Chapultepec" as is evidenced in the copy of official letter number DOO.750-3717/98 dated April 24, 1998.

It should be pointed out that my client now holds a Revocable Provisional Administrative Permit through which the Government of the Federal District authorizes the operation of the "Feria de Chapultepec" and the beluga whales are in the installations thereof, and therefore my client shall not attempt to move the beluga whales, nor modify the installations registered as INE/CITES/DGVS-EF-P-0016-D.F./98.

Consequently, my client hereby gives formal notification to that Honorable Department, of the substitution of ownership of the rights and obligations of the beluga whales in addition to requesting in the most respectful manner that you communicate to us what additional

[stamp] SOLE WINDOW

1217

SEMARNAP
RECEIVED FEB 13 2001 DEPARTMENT OF WILDLIFE
[signature-illegible]

steps my client must take for the proper registration of the new ownership of rights of the beluga whales and the installations where they are housed.

Based on the preceding:

We request that your Honorable Authority:

ONE.- Confirm in the records of that Honorable Department that my client, the company Grupo Empresarial Chapultepec, S.A. de C.V., is the holder of the rights of the marine mammals, beluga whales with certification CITES number 5839, and installations registered as INE/CITES/DGVS-EF-P-0016-D.F./98

TWO.- If applicable, notify any additional steps that must be followed in relation to the new ownership of the rights of the beluga whales or the installations where they are housed.

I do solemnly swear.

[Signature- illegible]

Lic. Alejandro Guillermo Rodriguez Maurice.

Mexico, Federal District, February 13, 2001

[Signature-illegible]

SECRETARIA DE MEDIO AMBIENTE
Y RECURSOS NATURALES
DIRECCIÓN GENERAL DE VIDA SILVESTRE
PRESENTE.

Ref.: Se informa sustitución de titular de los
derechos y obligaciones de dos
ejemplares de belugas (*Delphinapterus
leucaea*).

Registro: INE/CITES/DGVS-EF-P-0016-D.F./98.

Lic. Alejandro Guillermo Rodríguez Maurice, en nombre y representación de GRUPO EMPRESARIAL CHAPULTEPEC, S.A. DE C.V., personalidad que acredito mediante copia certificada del testimonio de la escritura pública número 45,803 de fecha 2 de febrero de 2001, otorgada ante la fe del Lic. Roberto Núñez y Bandera, Notario Público número 1 en el Distrito Federal, señalando como domicilio para oír y recibir todo tipo de notificaciones y documentos, el ubicado en Av. de Las Palmas 1005, 7° Piso, colonia Lomas de Chapultepec, C.P. 11000, Delegación Miguel Hidalgo, en México Distrito Federal, y autorizando para los mismos fines a los Licenciados en Derecho, Alfonso Tenorio Paulin, Eduardo Mondragón Móra, Antonio Segura Ortega, Claudio Ibarra Barrera, Cecilia Turnbull Buenrostro y la pasante Aybdet Soto Byron, ante esa H. Autoridad, con el debido respeto comparezco y expongo:

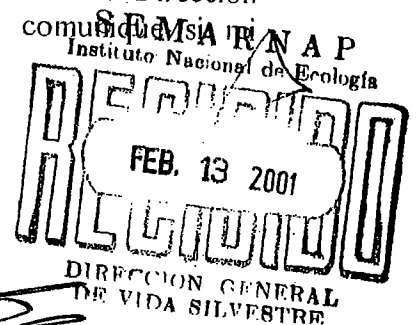
Por medio del presente curso, informo a esa H. Dirección General, que derivado de la negociación entre la empresa PROMOTORA DE CENTROS DE ESPARCIMIENTO, S.A. DE C.V. y mi representada la empresa GRUPO EMPRESARIAL CHAPULTEPEC, S.A. DE C.V., se convino en que la primera transmitiera a favor de la segunda, todos los derechos y obligaciones relacionados con los mamíferos marinos denominados belugas (*Delphinapterus leucaea*), con certificado CITES 05839, alojados en las instalaciones con registro INE/CITES/DGVS-EF-P-0016-D.F./98, ubicadas en la Segunda Sección de Chapultepec, C.P. 11580, México Distrito Federal "La Feria de Chapultepec", como se acredita con copia simple del oficio número DOO.750.-3717/98 de fecha 24 de abril de 1998.

Cabe señalar que mi representada detenta titularidad del Permiso Administrativo Temporal Revocable, mediante el cual el Gobierno del Distrito Federal, otorga la operación de "La Feria de Chapultepec" y las ballenas beluga se encuentran en las instalaciones de la misma, por lo que mi representada no realizará ninguna movilización de las ballenas beluga, ni modificación a las instalaciones con registro INE/CITES/DGVS-EF-P-0016-D.F./98.

Por lo anterior mi representada, por este conducto da formal aviso de la sustitución de la titularidad de los derechos y obligaciones de las ballenas beluga a esa H. Dirección General, así como solicitamos de la manera más atenta que nos comunique

UNICA VENTANILLA

1217



representada requiere de tramite adicional para la acreditación de a la nueva titularidad de los derechos de las ballenas beluga y de las instalaciones para su manejo,

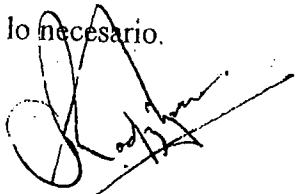
Por lo antes expuesto:

Solicitamos a esa H. Autoridad, se sirva:

PRIMERO.- Acreditar en los registros de esa H. Dirección General a mi representada la empresa Grupo Empresarial Chapultepec, S.A. de C.V. como titular de los derechos de mamíferos marinos, ballenas beluga con certificado CITES número 5839, e instalaciones con registro INE/CITES/DGVS-EF-P-0016-D.F./98.

SEGUNDO.- En su caso informar si es necesario realizar algún otro trámite en relación a la nueva titularidad de los derechos de las ballenas beluga o de las instalaciones para su manejo.

Protesto lo necesario.

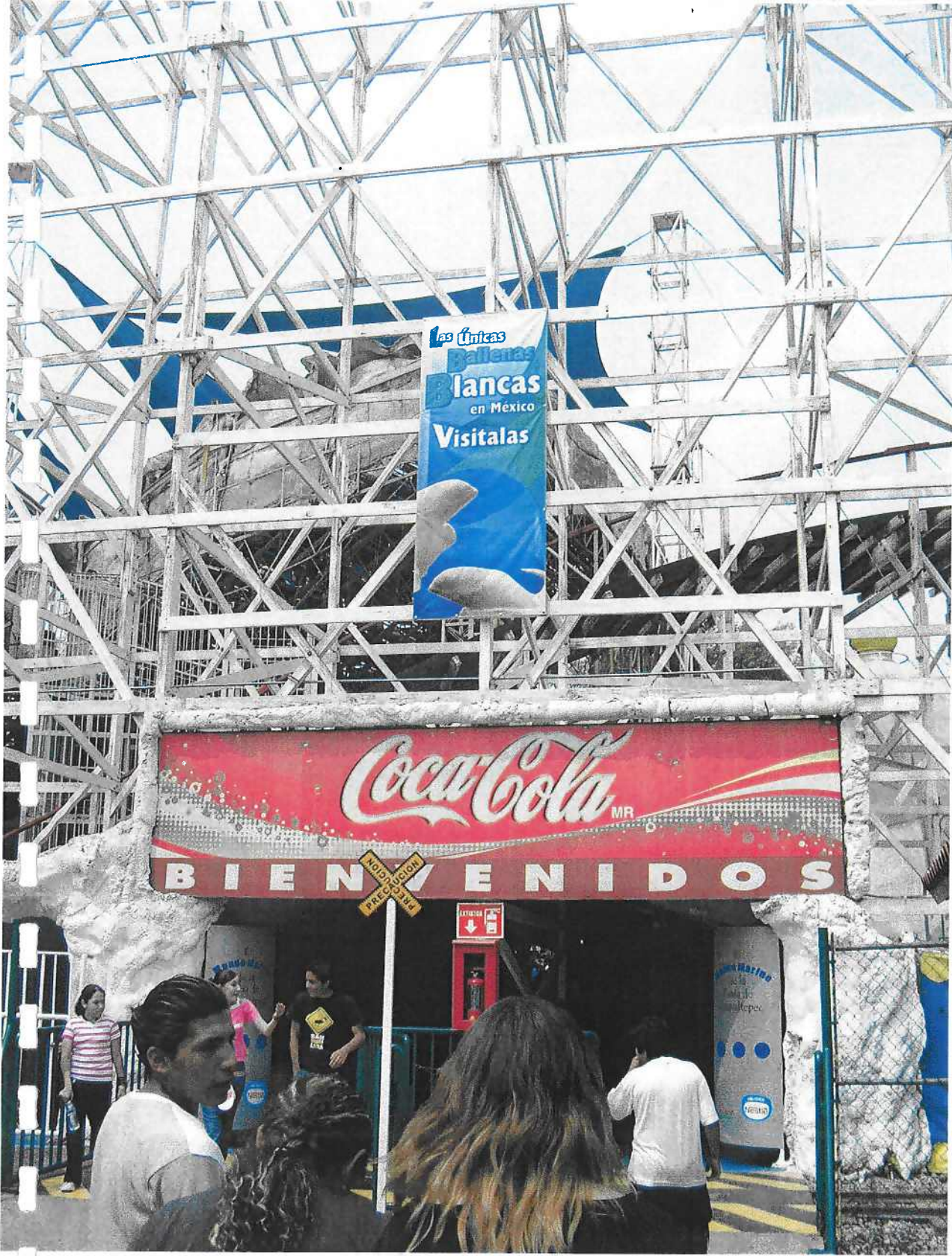


Lic. Alejandro Guillermo Rodríguez Maurice.

México Distrito Federal a 13 de febrero de 2001.



EXHIBIT 7



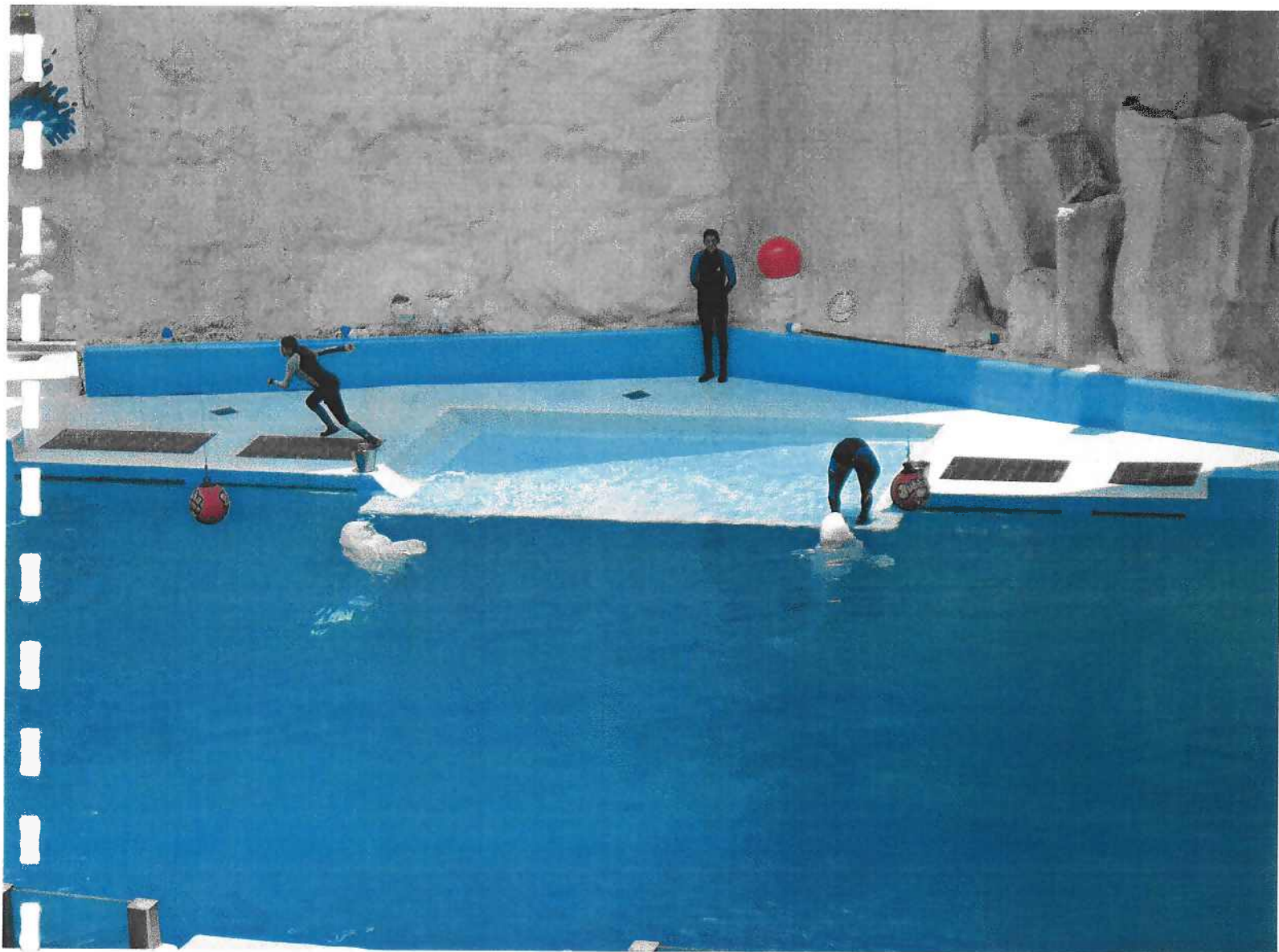
Entrance to the Amusement Park



Inside the Amusement Park



Beluga Whale Pool with Surrounding Rollercoaster Support Structure



Beluga Whale Pool



North Side Of Rollercoaster (Beluga Pool Located Under Blue Canopy)



West Side of Rollercoaster



West Side of Rollercoaster (Beluga Pool Located Under Blue Canopy)



East Side of Rollercoaster (Beluga Pool Located Under Blue Canopy)



Rollercoaster Above The Pool



Rollercoaster Above The Pool



Rollercoaster Supports Embedded In The Concrete Slab Surrounding The Pool



Rollercoaster Supports Embedded In Concrete Slab
Surrounding The Pool



Rollercoaster Supports Embedded In The Concrete Slab
Surrounding The Pool



Highway Passing The Amusement Park (Highway Passes Within 100 Yards Of The Beluga Pool)



Highway Passing The Amusement Park (Highway Passes Within 100 Yards Of The Beluga Pool)



Smog Over The Amusement Park

EXHIBIT 8



Injury To Gasper's Flipper



Injury To
Gasper's Flipper



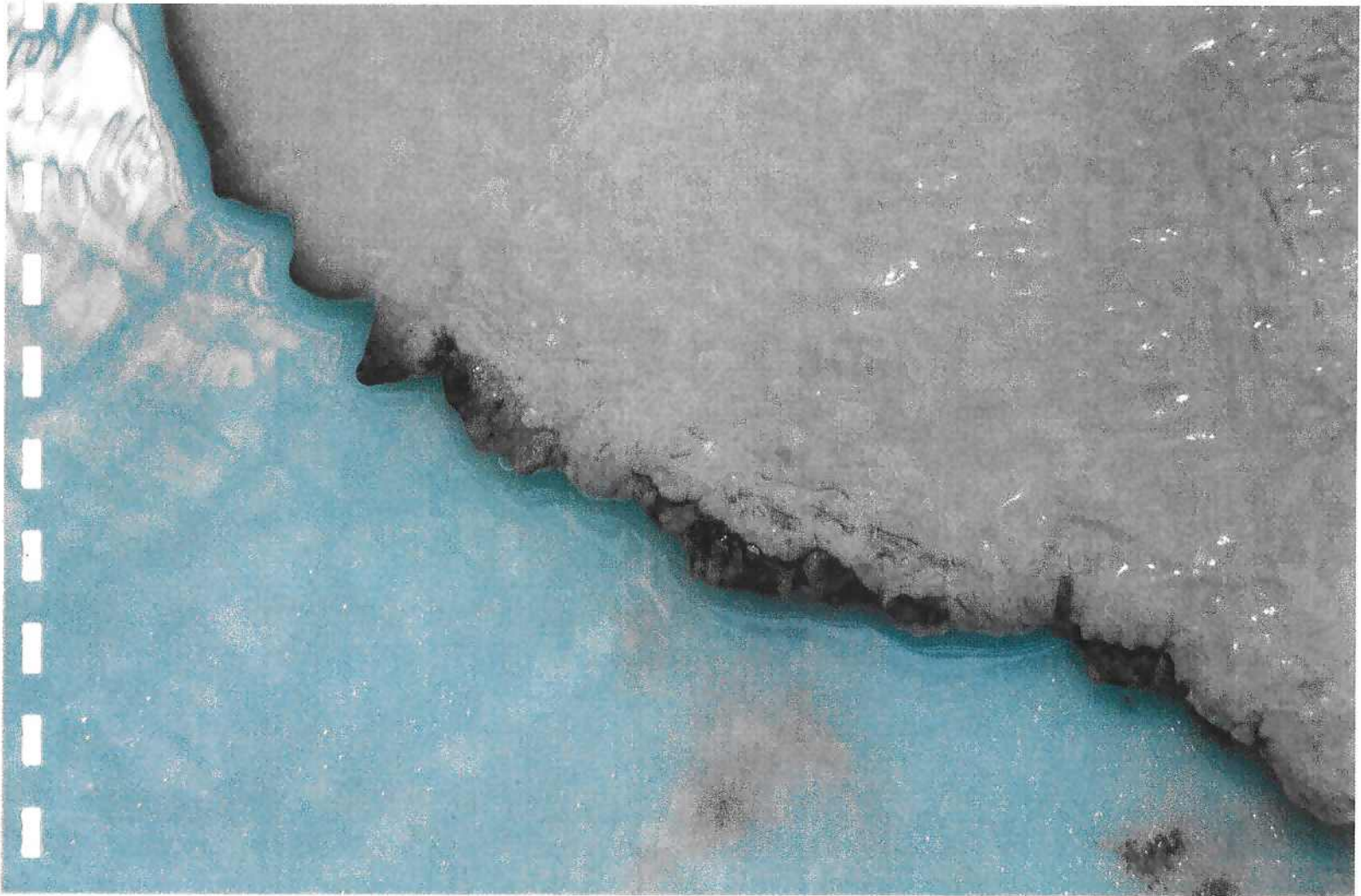
Skin Lesion On Gasper



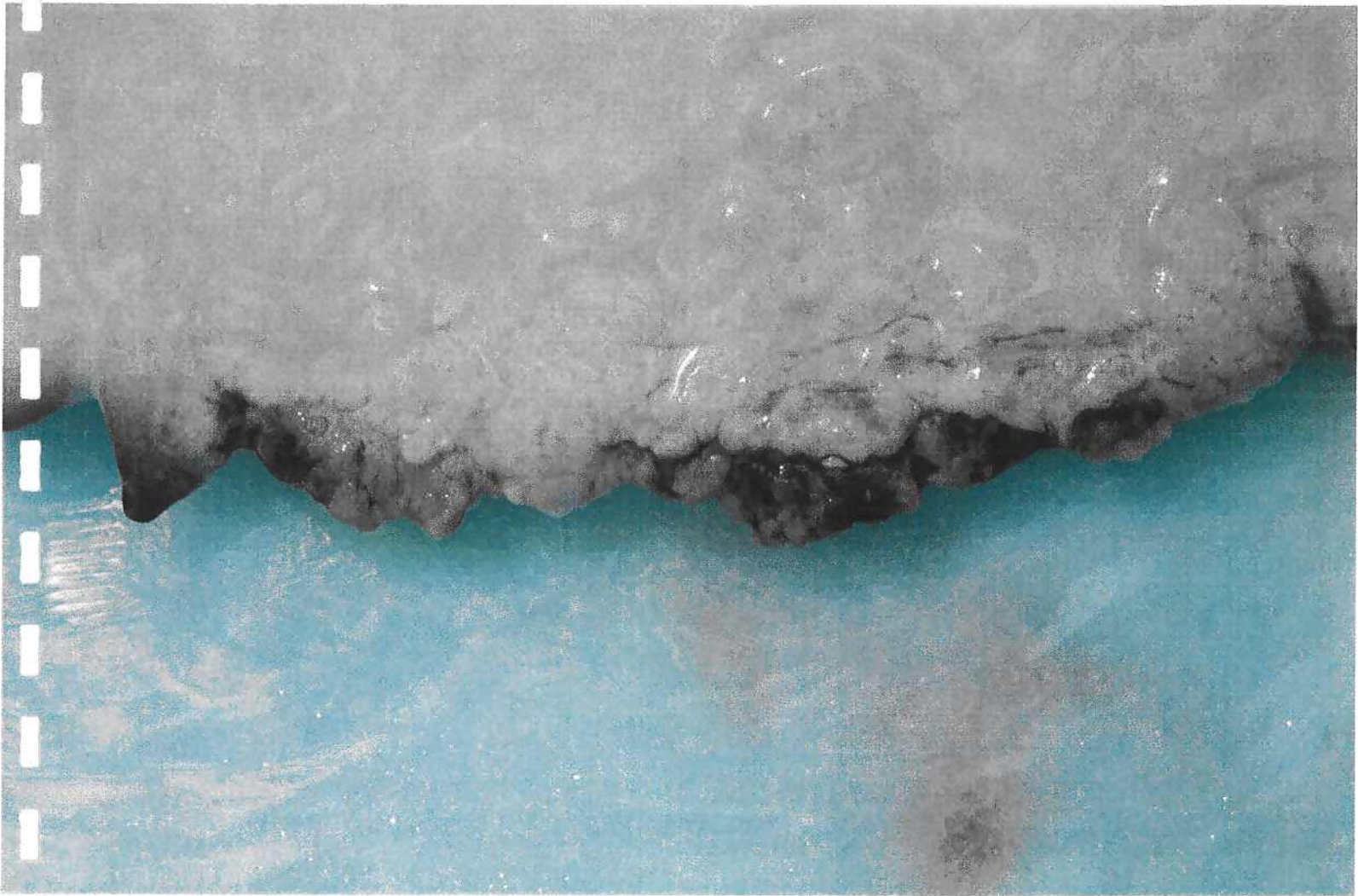
Skin Lesion On Gasper



Gasper's Tail Fluke

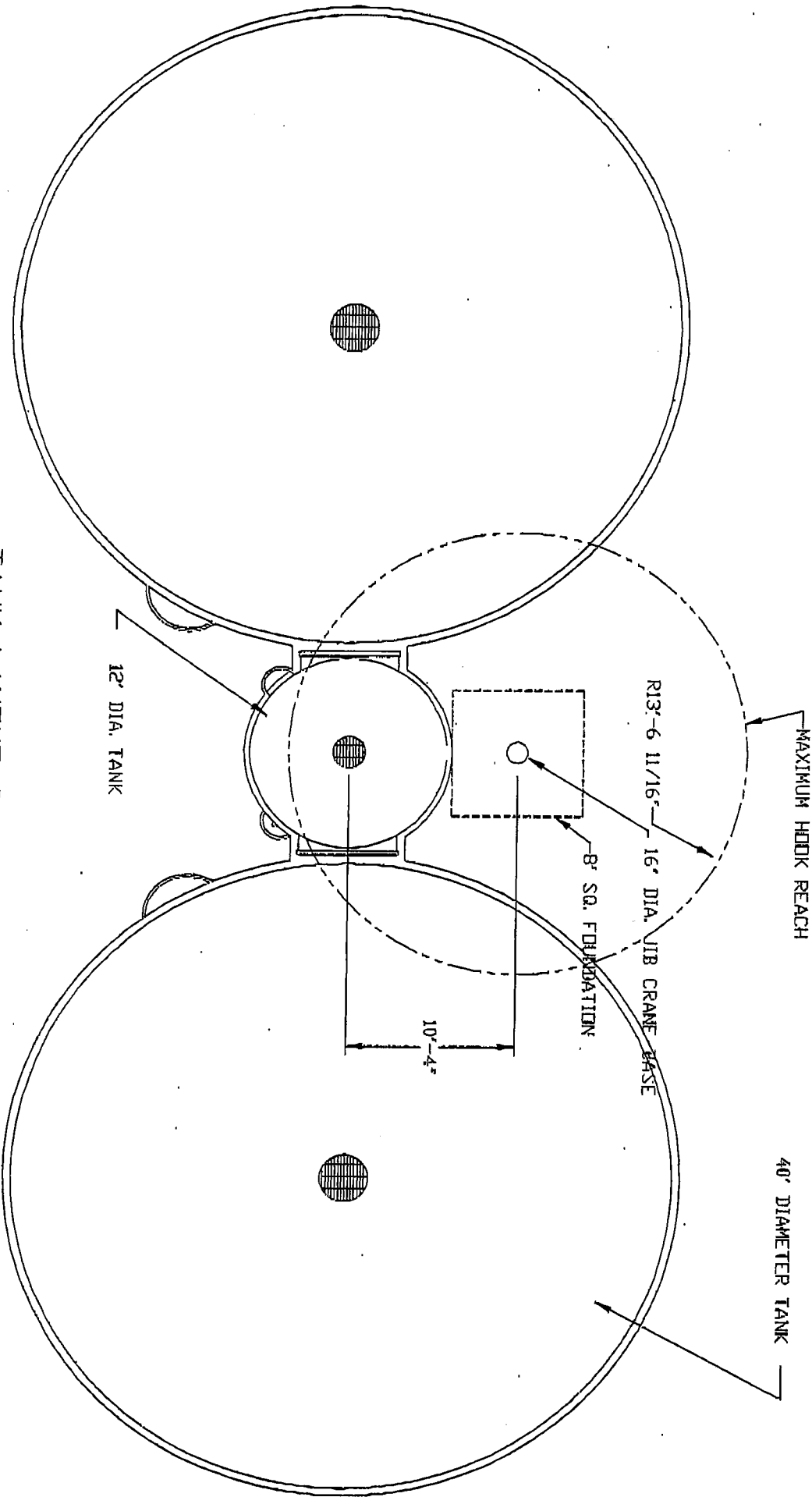


Injury To Gasper's Tail Fluke

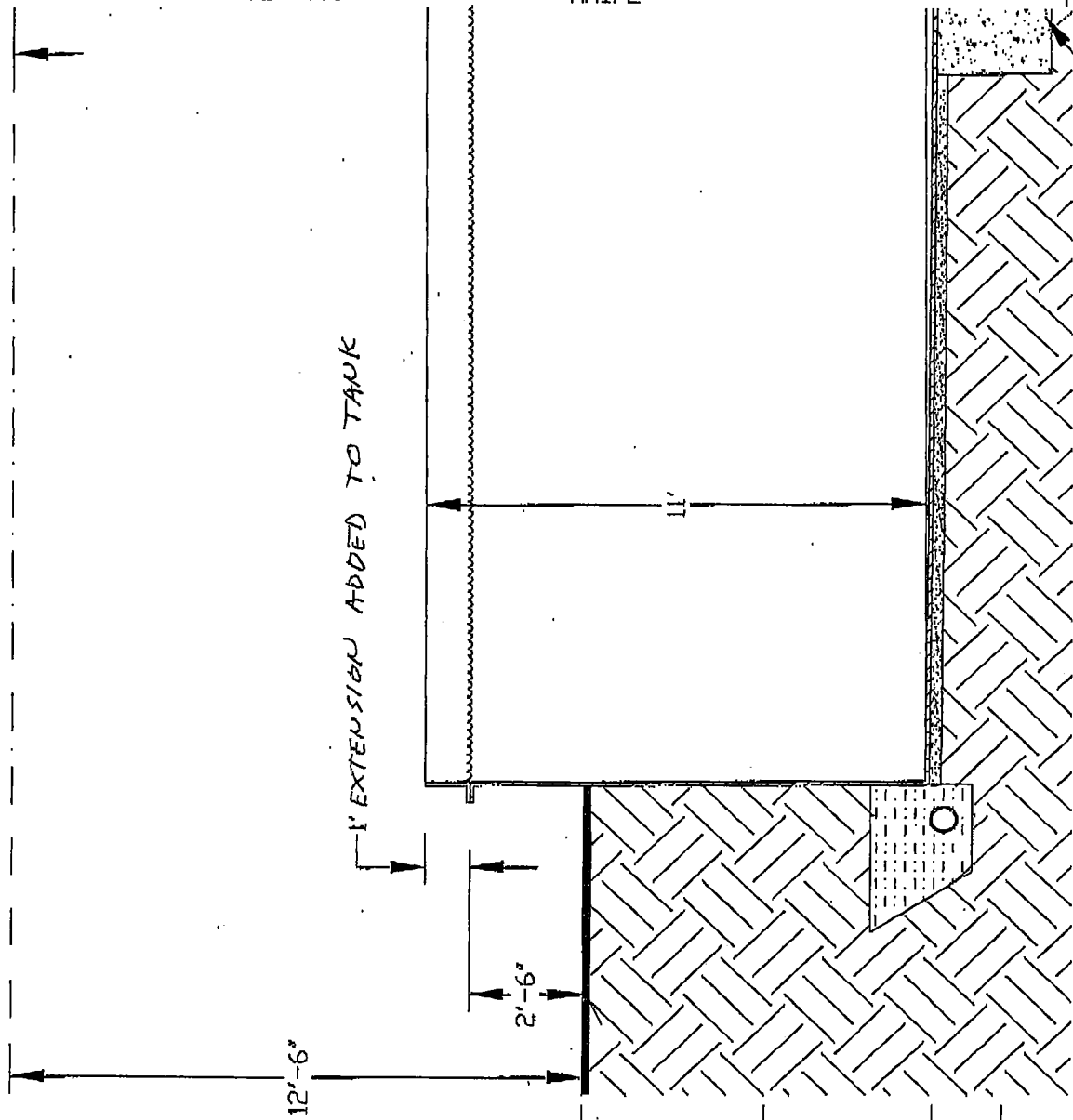
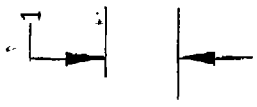


Injury To Gasper's Tail Fluke

EXHIBIT 9



TANK LAYOUT @ AASC
NO SCALE R/D 5/23/96



1' EXTENSION ADDED TO TANK

CONCRETE TO PREVENT UPLIFT OF SUMP TYP.

12'-6"

2'-6"

11'

GRADE EL. +27'-0"

GROUNDWATER EL. +23'-0"

BOTTOM OF TANK EL. +19'-4"

BOTTOM OF SUMP EL. +17'-10"

EXHIBIT 10



THOMPSON, VENTULETT, ST
2700 PHENOMENON TWO, 1200 PE
ATLANTA, GEORGIA, 30309-3391
T 404-888-6600
F 404-888-6700

Scales as stated hereon are valid on the original drawing, the dimensions of which a noted hereon are hereby changed by the ratio of the overall sheet dimensions of the dimensions of the original drawing.

This drawing is the property of THOMPSON, VENTULETT, STANBACK & ASSOC and is to be used only in connection with the project and is not to be used on any other project. It is to be returned upon request.

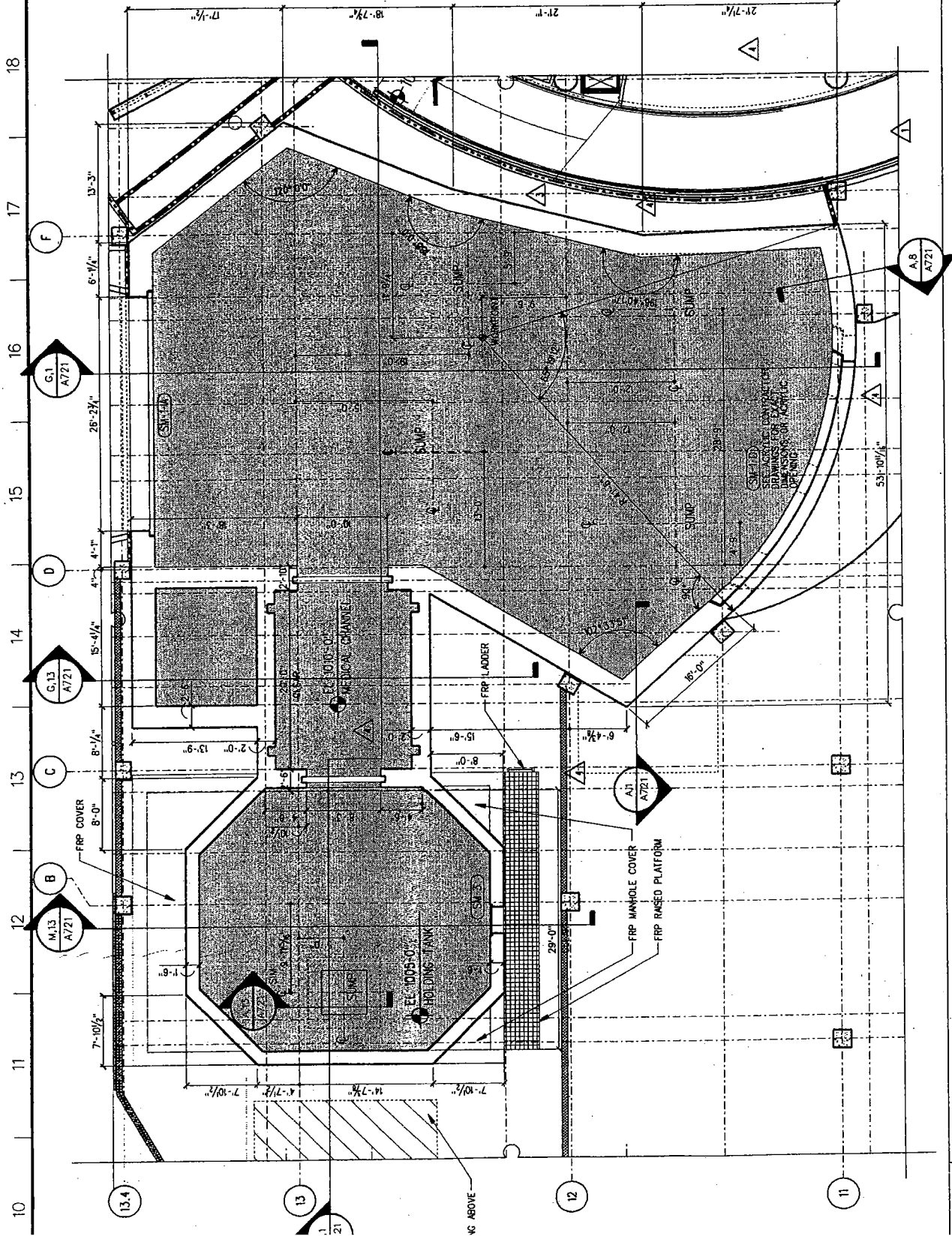
© THOMPSON, VENTULETT, STANBACK & ASSOCIATES, INC.

KEYNOTE LEGEND

SEE EXHIBIT DRAWINGS FOR ACRYLIC MATRIX

INDICATES WATER

INDICATES LEVEL OPEN TO BELOW



I,10 GALLERY "SM" TANK AT 1010'-0"

1/8"=1'

Georgia Aquarium Beluga Whale Exhibit

EXHIBIT 11

EXPIRATION DATE: SEPTEMBER 10, 2005



United States
Department of
Agriculture

Marketing and
Regulatory
Programs

Animal and
Plant Health
Inspection
Service

Animal Care

This is to certify that

SEA RESEARCH FOUNDATION INC
DBA: MYSTIC AQUARIUM

CLASS C EXHIBITOR

Animal Welfare Act

(7 U.S.C. 2131 et seq.)

Certificate No. 16-C-0025

Customer No. 56

Charles A. Gibson
Deputy Administrator

EXHIBIT 12

**OUTLINE OF ON-SITE EDUCATION PROGRAMS CONDUCTED
OVER THE PAST YEAR**

A. OPPORTUNITIES FOR EDUCATORS:

(1) JASON Kickoff – September

- Meet the creator of the exciting JASON Project, Dr. Robert Ballard! Learn about JASON XV and this year's broadcasts from the exotic rainforests of Panama. Chat with current and former Student and Teacher Argonauts to hear about their amazing experiences immersed in distant habitats....find out how you can become a part of this awesome adventure!

(2) Open House for Teachers & their families - October

- Teachers, Science Coordinators, Principals, Superintendents – Bring your families and come see what Mystic Aquarium & Institute for Exploration has to offer to your students this school year! Meet our enthusiastic educators to discuss what we can do for you. And, enter to win some exciting educational prizes!

(3) Jellyfish Workshop: Elly Jelly Looks at Marine Animals - January

(Developed and Presented by the Bronx Zoo & New York Aquarium Education Staff!)

- Your students' fascination with animals is a perfect starting point for building an education in the life sciences. The Elly Jelly Looks at Marine Animals curriculum is made up of six modules, each consisting of a Teacher's Guide and storybook which focus on different marine animals and habitats. You do not need to be a science expert to use these books, so don't miss out!

(4) Whale Workshop - March

- Capture your students' attention with lessons about dolphins and whales! Learn about the biology of cetaceans (whales, dolphins and porpoises), how we care for our animals, and the many environmental issues affecting their survival in the wild. Get an up-close look at a beluga for a better understanding of their unique adaptations and hear about our exciting cetacean research.

B. SCHOOL PROGRAMS

Now serving more than 100,000 students annually, school education programs at MAIFE build a connection with the natural world and foster an understanding of how organisms, habitats, and ecosystems work. We have developed over 100 programs in science, mathematics, history, and literature for elementary, middle, and high school levels. These educational programs take place on-campus at the aquarium, in school classrooms and community centers throughout the country, and in aquatic field environments. While our educational offerings are incredibly diverse, all of our school programs are standards-based and reflect Connecticut and national science frameworks. In addition, all of our programs are field-tested, include hands-on components, are based on best practices in education, and are led by a roster of creative, experienced teachers. Highlights include:

(1) Preschool and Kindergarden:

- Ocean Locomotion
Irresistible and educational hand puppets delight students in a skit designed to teach how marine animals move.
- Shake Hands with a Crab
Students will learn about different types of crabs and their fascinating adaptations as they enjoy a get-acquainted session with the unique hermit crab.
- Suitcase of Surprises
Learning comes alive when you have props, dried specimens and activities that help make difficult concepts like camouflage, feeding, locomotion and protection simple to understand.
- Penguin Palooza
Through movement and hands-on activities, students will love learning about these birds that can't fly! Please note: Live penguins are not included in the class.

(2) Grades 1-3:

- American Indians and the Sea
American Indians have lived along the coastline of Connecticut for thousands of years. Explore some of the ways local Native Americans utilized plants and animals from the sea, and how scientists are currently learning more about these interesting people.
- Beluga Whales
Through listening games, costumes and activities, students will learn about the incredible adaptations of these wonderful, white ocean inhabitants.

- Snappers, Sliders, and Jumpers... Oh My!
The creepy, murky swamp comes alive as students learn about this habitat, the differences between alligators and crocodiles, and the cool adaptations of other swampy critters. Please note: Gators included in class only through December!
- Explore the Shore
Our classroom becomes the setting for students to explore the beautiful rocky shores of New England and to investigate the native plants and animals that live there. It's a great way to learn about the critters that live in your backyard!
- Birds that Can't Fly
Did you know that most penguins don't live in cold climates? Learn about some of the unique adaptations and survival skills of the 18 species of penguins found south of the equator. There's so much to learn about these fine, feathered friends!
- Sea Jellies
The sea is full of these spineless blobs of jelly. They have no brain, no eyes, no heart, yet we're often afraid of them! Come learn about the fascinating world of jellyfish!

(4) Grades 4-5:

- Amazing Sharks
We often think of sharks as indestructible predators that have existed since the age of the dinosaur. But what would the oceans be like without them? Learn about the challenges facing these amazing survivors and discover why these "boneless fishes" are so well adapted for life in the sea.
- Beluga Basics
Beluga whales are wonderfully adapted for life in the Arctic. In this lab-style class students will observe beluga whales in our new Alaskan Coast exhibit as well as participate in a number of activities to investigate how these magnificent creatures adapt to life in the sea.
- Eat or Be Eaten
Plankton: what is it and why is it important to life in the sea? Explore the links of the ocean's food web and find out who eats who, how they eat, and why. Suggested Add-on: SHARKS: Predator/Prey Interactive food web computer game in our Immersion Institute™ Theater.
- Invertebrate lab
An interactive lab experience in which students use visual and tactile observations to classify a variety of live marine invertebrates.

- Swamp Things!
Ever wonder what it takes to live in a swampy environment? Some swamp critters have relatives as old as dinosaurs! Learn about the unique adaptations that have enabled these animals to survive over time.
- Rainforest Class
Close your eyes and imagine you're standing in a dense, green, tropical rainforest. You wonder: How can so many different plants and animals make the rainforest their home? Let us introduce you to this amazing habitat, what lives there, why, and how these tropical forests affect Earth's climate.
- Pinnipeds on Land and Sea
How are seals and sea lions alike and different? What relationship do these creatures have with the land and the sea? You'll look at physiology, ecology, human interventions and the greatest yearly migration on earth.
- Underwater Lights
How do scientists study the animals that live in the deepest parts of the ocean, where there is no sunlight? Many deep-sea animals glow thanks to bioluminescence. Learn how and why these animals produce this 'living' light.

(5) Grades 6-8

- Invertebrate Lab
What is a phylum and why do scientists classify living things in these groups? Examine live invertebrates and complete a taxonomy exercise to understand how classification works. Suggested Add-on: Squid Dissection class
- Belugas and the Arctic
Observe beluga whales in our spectacular Alaskan Coast exhibit. Learn about the differences between toothed and baleen whales and experiment with echolocation. Discover why many scientists are journeying to the Arctic to study both the physical and biological properties of this northern expanse.
- Squid Dissection
What is the fastest, largest and most intelligent invertebrate in the sea? Discover the many amazing adaptations of the squid, their mollusk cousins, and participate in a detailed dissection of our local species.
- Who Are They and How Do You Tell?
It may be tricky to tell species of animals apart, but what about individual animals that are all the same species? We'll begin with an introduction to cetaceans to become familiar with the many different types of whales and dolphins in our oceans. Then, using photos and data from our new dolphin

researcher, Dr. Kathleen Dudzinski, as well as the belugas and sea lions in our live exhibits, we'll attempt to distinguish individual animals from one another.

- Introducing Pinnipeds
Can you distinguish an elephant seal from a Steller sea lion? Learn about pinniped classification and some of the unique characteristics of certain seals and sea lions. Hear about our current Steller sea lion research program, and how we're attempting to figure out why part of their population is declining.
- Exploration Through Technology
Did you know that we know more about the moon's surface than the deepest part of our oceans? Learn how the use of ROVS, robotics, satellite technology and side-scan sonar has made learning about the ocean, from surface to abyss, an exciting adventure.

(6) Grades 9-12

- Invertebrate lab
What is a phylum and why do scientists classify living things in these groups? Examine live invertebrates and complete a taxonomy exercise to understand how classification works.
- Squid Dissection
What is the fastest, largest and most intelligent invertebrate in the sea? Discover the many amazing adaptations of the squid, their mollusk cousins, and participate in a detailed dissection of our local species.
- How Do They Do That?
Have you every wondered how we got our 1,000 pound Steller sea lions transported to Mystic Aquarium? How do we get our beluga whales to "open wide" for an oral exam? Why do we attach satellite tags to some animals when we release them into the wild? You'll tour our back-up areas and find out the answers to these questions and more!
- Penguins In Peril
What does it mean to be a rare, threatened, or endangered species? How do populations reach this stage? Hear the incredible story of the African penguin, a species close-to-our heart whose population was nearly devastated by a recent oil spill. Learn how Mystic Aquarium staff responded to this crisis and what this means for the future of this and other species.
- Who Are They and How Do You Tell?
It may be tricky to tell species of animals apart, but what about individual animals that are all the same species? We'll begin with an introduction to cetaceans to become familiar with the many different types of whales and

dolphins in our oceans. Then, using photos and data from our new dolphin researcher, as well as the animals in our live exhibits, we'll attempt to distinguish individual animals from one another.

- Aquarium Careers

Come to our state-of-the-art Immersion Institute Theater and find out about the variety of marine-related career opportunities available to you. From designing deep-sea vehicles, to analyzing blood and water samples, to developing interactive programs for visitors, you'll understand what it takes to keep an educational research facility like ours running successfully

(7) Large Group Programs (groups of 50+ students)

- Sea What You Know

This interactive, entertaining game show allows students to test their knowledge of such categories as "birds that can't fly," "animals without backbones" and "lions of the sea."

- Animal Rescue!

What does it mean when an animal is "stranded," and why does this happen? Learn how we rescue and care for marine animals in trouble while learning more about them in the process.

- Sea Lion Training

Our California sea lions can do amazing things such as retrieve objects from the bottom of the pool, and distinguish between a variety of vocal commands and hand signals from their trainers. How are they trained? How long does it take? Meet one of our animal care staff to learn how we successfully train our animals.

C. GROUP TOURS

- Guide Exhibit Tour

Let a member of our education staff give your class a personalized guided tour of our exhibits. Your tour guide will take you on a journey around the world's oceans, engaging the students with specialized talks and hands on props at each of our exhibit areas and answering all of their questions. Please note: Tour does not include Challenge of the Deep exhibit

- Guide Challenge of the Deep Tour

Immerse your students in the wonder of the deep sea as a member of our education staff leads them through our Challenge of the Deep exhibit, interpreting the concepts and bringing this cold, dark environment to life! They'll be amazed by the technology, archaeology, geology and biology that they'll be introduced to, hundreds of feet below the water's surface.

- Behind the Scenes Tour
Take your class for a peek behind the scenes! Led by our Education Staff, we'll take your students for an amazing first hand look at back-up areas that are critical to the care of our animals and exhibits here at Mystic Aquarium. Tours include stops at four different back-up areas, plus career information for older students, and a touch & learn with local invertebrates.

D. IMMERSION INSTITUTE PROGRAMS

- California National Marine Sanctuaries
Explore the kelp forest of Monterey Bay and Channel Islands National Marine Sanctuaries using Bob Ballard's deep-sea robot, Orpheus*, linked to live cameras that are controlled right here in Mystic from our Immersion Institute™ Theater. Test your marine knowledge about the animals and plants that inhabit this underwater world by using an interactive computer console. *ROV availability is seasonal.
- SHARKS: Predator/Prey – Eat or Be Eaten!
Will you survive? Find out in SHARKS: Predator/Prey, an exciting interactive game based on the oceanic food web. Navigate your sea creature through its underwater world using a touch screen console to find food and work yourself up the marine food chain. But watch out, the ocean is full of opportunistic predators – you are not playing alone!

E. TAILORED PROGRAMS FOR EDUCATION

Whereas many groups come for a traditional visit including exhibit tours and advertised classes, we work with a number of districts and organizations to provide specialized tailored programming to meet the needs of their students and curriculums. Programs conducted over the past year include:

- Groton Systemwide – Each Jan. – March we host 2 on-site visits, including classes and guided tours, for each 4th grader in the 9 elementary schools in the Groton School District
- Madison Systemwide – Each Sept. – Nov. we host 1 on-site visit, including classes and guided tours, for each 2nd grader, approx. 320, in the Madison School District.
- Stonington Systemwide – Each Sept. – Oct. we host 1 on-site visit, including guided tours, for each 2nd grader, approx. 200, in the Stonington School District.
- Morton Salt program – Each schoolyear we host 1 on-site visit, including guided tours, for 2,000+ 5th & 6th graders from inner-city Hartford, Norwich,

New London School Districts as the culminating event to our multi-part grant program.

- New Haven program – We are preparing to host (in April & May) 1 on-site visit, including classes, for 3 different schools from inner-city New Haven (approx. 1,500 students) as the culmination to a multi-part grant program occurring for the first time this schoolyear.
- LEARN inter-district program – In Nov-Dec. we hosted 1 on-site visit for students involved in an inner-district grant program run through LEARN, an education and family services center in CT. Students from suburban schools were paired with students from inner-city schools and they met throughout the schoolyear to work on projects, one being marine-related.
- Teacher Summer Institute – We are preparing to host (in July), approx. 25 teachers currently involved in the Morton Salt grant program, for a weeklong professional development opportunity focusing on the marine environment and Long Island Sound.
- Mitchell College collaborative – For the past few years we have worked with the Mitchell College Early Childhood Center and have hosted their up-and-coming teachers and introduced them to ‘informal’ education and our approach to teaching. We have also just started to involve the students in classroom observation experiences and potential teaching experiences.
- SEA Education Association – In April we hosted the Woods Hole Oceanographic SEA Education students and presented an exploration-themed program for 30 college juniors interested in the marine world.
- Gateway School program – For the past 2 years we have been working with the Gateway School in NYC as they focus on studying beluga whales. We’ve hosted them for a daylong field trip (in June) filled with a variety of whale-related programs and activities, and also arranged pen-pals for them in the northern Canada/arctic region.
- Vermont Institute – We provide marine programs, which are taught on-site in front of a camera with no students in the room, and the program is broadcast to multiple classrooms (K-12) throughout the state of VT who are interested in learning about that particular lesson. This schoolyear we’ve presented 3 lessons to date.
- Three Rivers Day – We hosted a professional development day for 75 professors from Three Rivers Community College, consisting of a marine-related keynote speaker followed by tours and programs in our classrooms led by the Education staff.

- CSTA meeting – We hosted the Connecticut Science Teachers Association Fall meeting and provided tours of the facility along with an interactive lecture via telepresence with one of our researchers, Dr. Kathleen Dudzinski, out in the field.
- Black Sea Camp – An exclusive, 3-night, 4-day pilot program held for chosen Boys & Girls Clubs kids from across the country, giving them the opportunity to come to Mystic Aquarium, watch the live Black Sea expedition, enjoy the exhibits, and go to the beach for field studies.

F. PUBLIC PROGRAMS

At the height of our busy season in the middle of summer, we host up to 7,000 visitors each day. Our goal is to educate these families, so that they leave knowing more than they did when they came. Engaging and entertaining the public is a tough challenge that needs constant refinement, new creative approaches, and new and different materials and enhancements. The audience is diverse and the attention span is limited, so our approach to programming must be simple and captivating. Public programs over the past year include:

- Exhibit Speeches – ongoing throughout the day at every outdoor exhibit and specified indoor exhibits, these natural history and informational talks are given by highly trained interpretive educators who are available for questions following each mini-presentation
- Vacation Weeks – ongoing educational programming throughout school vacation weeks of heavy visitation. Weeks are themed and programming for all ages focus on the topic of choice and enhance the visitor experience through entertaining education. An example of this is:
- Whale of a Winter program -- Starting Saturday February 14th and running through Sunday February 22nd we will be celebrating cold weather with this program. It will discuss Humpback, Blue, and Minke whales, but it will primarily focus on our belugas. Carts will be set up on the Main Floor from 11:00 to 3:00pm each day. They will showcase artifacts, activities, and handouts relating to whale adaptations, size, and diet. We will also have our Educators doing scheduled whale talks at the Alaskan Coast throughout the day.
- National Estuaries Day – an annual event in September featuring booths, activities, crafts, lectures regarding coastal awareness and Long Island Sound
- Earth Day – building off of Earth Day, we provide extra programming on marine conservation throughout the day and build awareness to general visitors.

- Long Island Sound Day – building off of Long Island Sound Day at the end of May, we provide extra programming on estuaries and on Long Island Sound this day. We have an Education Representative on the Long Island Sound Committee and every year we frame and hang the top Long Island Sound calendar contest projects for public viewing.
- JASON Broadcasts -- Get out your raingear and bug repellent! We're going to Panama through the JASON Project's professional development, hands-on curriculum and live satellite research broadcasts from Barro Colorado Island. JASON XV features tropical rainforest ecosystems, rainforest mammals, population studies, arthropods, the carbon cycle, the design and engineering of the Panama Canal, long term watershed monitoring, and the human history and culture of the Isthmus of Panama...what cool stuff! We are a JASON Pin-Site and provide live broadcasts for 2 weeks in Jan-Feb. in our Marine Theater.
- Sea Spooks – festive, 'scary,' educational activities available on the main floor during the week leading up to Halloween.
- Critter Craft Programs - Once a month our classrooms are open to the public and visitors can pay a small fee to make marine crafts, get their picture taken with various critters in our classroom, and receive extra programming if they'd like.
- Story Series – early morning series of programs with marine stories and movement activities for pre-schoolers and parents. 4 series are held from Oct-April.
- Docent Training – 18 hours of on-site training per docent 'pool' regarding animal physiology, exhibits, presentation skills & public speaking for perspective docent volunteers. 3-4 sessions are held each year.
- Read Across America Literacy Day – building off of National Literacy Day in March, we provide continuous marine stories during the day, in the classrooms and on the main floor of the facility, even in front of exhibits. Volunteers and students from Mitchell College assist staff with this venture.
- Black Sea program – live interactive video link set-up between Mystic Aquarium and a research vessel in the Black Sea, (July & August) featuring exploration and archeology work of Dr. Bob Ballard. Visitors could speak to researchers and watch, in real-time, an ROV at work.
- Exploration Stations – daily interactive education stations featuring hands-on activities, experiments, artifacts that enhance current exhibits and are engaging for all ages of visitors.

- Immersion Theater Programs – daily ongoing state-of-the-art theater programs which rotate between 'SHARKS: Predator/Prey' and 'CA National Marine Sanctuaries,' featuring individual computer console activities and large screen visuals.
- Sea Lion Shows – daily interactive, educational & entertaining shows featuring our 4 CA sea lions in our Marine Theater.
- Beluga Contact – interact with a beluga whale and learn about its natural history, adaptations, physiology in a 90-minute interactive contact session.
- Penguin Contact – interact with a black-footed penguin and learn about its natural history, adaptations, physiology, and training program in a 45-minute interactive contact session.
- Guided Tours – Visitors can register to become a part of a guided tour, highlighting our outdoor exhibit, stranding centers, and basic overview of the Aquarium in general. All ages are welcome.
- Behind-the-Scenes Tours – Visitors can register for these small tours which bring them to places they wouldn't otherwise see, such as our fish & invertebrate quarantine area, our food prep kitchens, and our jellyfish and coral propagation areas.
- Scout overnights – overnight experiences on the main floor of the Aquarium. Groups are broken into 4 smaller groups and rotate among marine activity stations to help fulfill badge requirements, before sleeping amongst our exhibits.

G. MEMBER PROGRAMS

We have approximately 13,000-15,000 families and individuals who subscribe annually to be a part of our membership and support our mission. Of these, a smaller percentage chooses to partake in the wide variety of educational programs and opportunities that we offer to interested learners of all ages. Our programs change seasonally and our hope is to provide a "cradle to grave" array of programs so that everyone learns from us.

- Summer Seafari camps – 7 weeks of summer camp offerings for every age group, ranging from ½ day programs highlighting specific animals for 5&6 yr. olds, to a career and behind-the-scenes focus for older teens.
- Vacation camps – themed camp programs during school breaks for kids who want to learn more about marine animals while having fun with friends too. One catchy name was 'Lullabeluga,' obviously focusing on our beluga whales.

Family lectures – large gatherings in our Marine Theater featuring a prominent environmental speaker or an extremely hot topic. Our most recent lecture was given by Jim Fowler, from Mutual of Omaha, who brought live animals and introduced them to the audience of 1,000 family members. Current Schedule for the coming year includes: “AFRICAN PENGUINS” (Laurie Macha, Senior Aquarist MAIFE); “ARCHAEOLOGICAL EVIDENCE FOR 11,000 YEARS OF HUMAN CULTURAL ADAPTATIONS ALONG LONG ISLAND SOUND” (Nicholas Bellantoni, CT State Archaeologist); “WHAT IS IT LIKE TO BE AN AQUARIUM VETERINARIAN” (Allison Tuttle, Veterinary Intern MAIFE); “GATORS” (Steve Fox, Aquarist MAIFE); “THE WHALE WHISPERERS” (Boris Bohachevsky, Senior Aquarist MAIFE)

- Adult lectures – Intimate gatherings held in a classroom featuring our staff or local experts presenting a lecture on their area of expertise, always a marine-related topic, to groups of approximately 20 members.
- Birthday parties – Held in one of our classrooms on most weekends, these parties are run by an Education staff dressed in costume, who entertains the children with a marine puppet show and/or game, and a touch & learn with live invertebrates.
- Munchkin Morning – a program held a few times during our slower months, targeting toddlers to pre-schoolers to get them out of the house and involved in age appropriate marine activities scattered around our facility.
- Family overnights – we offer 4 per year, in the slower winter months to give families an opportunity to do something together, something different, that's fun and educational. A variety of activities, games, and tours take place throughout the evening and into the night and following morning.
- Youth Leadership Council – a dedicated group of teens who have voluntarily chosen to become a part of this council and act as mentors to younger students and also as a 'focus group' for Ed. Staff. They meet 2-3 times/month and are currently working on designing and creating a marine mural for the exit ramp from our Marine Theater.

EDUCATION PLAN

Adventures in Marine Science Education

Mystic Aquarium & Institute for Exploration programs have been a mainstay of marine science education in southern New England for more than 25 years. Since their inception, our classes have served more than **1.5 million school children, college students, and families** either on-site, in the field, or in Connecticut or Rhode Island schools.

These education programs build a connection with the natural world and foster an understanding of how organisms, habitats, and ecosystems work. Moreover, the high-technology world of our own renowned explorer, Dr. Robert Ballard, brings exciting distance learning initiatives to the mix, making our institution **uniquely positioned to offer a fully integrated approach to education through both hands-on, inquiry-based programs and expedition-based adventures.**

In a typical calendar year:

- 80,000 schoolchildren visit the Aquarium on planned field trips.
- 17,000 students are reached by our **traveling teachers** bringing live marine invertebrates and curriculum materials to more than 180 schools within 75 miles of the Aquarium.
- 1,500 schoolchildren take part in **field excursions to local coastal habitats** where they were taught marine natural history, habitat conservation, and environmental assessment techniques.
- 5,000 students are served by our Hartford Education Center, which focuses on outreach to Head Start and After-School programs as well as in-school programs in urban neighborhoods of the state's largest city. Most recently this facility was upgraded to serve as a JASON Project downlink site.

In addition, from the general public:

- More than 800,000 people visit the Aquarium and experienced **California sea lion demonstrations** in our 1,000-seat amphitheater; **gallery talks** by education staff and docents about coastal processes and protection of key habitats, such as coral reefs, estuaries and upwelling zones; and, **exhibit interpretation** on marine biology and conservation issues at our outdoor marine mammal and bird exhibits.

- 4,000 members take part in classes or field trips announced quarterly to more than 12,000 member households, activities that included seal watches, eagle watches, beach clean-ups and trips to various research sites.
- 5,000 members and guests take part in *special educational events* at the Aquarium including the *Natural History Lecture Series*, family-oriented evenings presenting well-known experts in the natural sciences. Recent speakers included Bob Benson of Bat Conservation International, Jeff Corwin of the Discovery Channel's Jeff Corwin Experience, and Jim Fowler, wildlife correspondent for NBC's Today Show.

How do we help to excite and inform a new generation of young scientists? Of informed citizens? How can we become an extension of our schools' educational mission? How can we live up to our responsibility of becoming an asset to our community?

We achieve these goals through our mission, ***"To inspire people everywhere to care about and protect our oceans by exploring and sharing their biological, ecological, and cultural treasures."***

Philosophy of Education

Published scientific studies conducted at Mystic Aquarium & Institute for Exploration have demonstrated that students exposed to living marine animals as part of the teaching process retain information longer and develop more positive attitudes towards marine life than those students who lack such exposure. Moreover, many of our programs are designed to bring students and scientists together in ways that promote science and mathematics as both fun and exciting.

The underpinning of our education philosophy is direct and simple: re-connect both children and adults to the natural world through exposure to live animals and experiences that engage with a sense of wonder. Based in part on E.O. Wilson's concept of "biophilia," a philosophy that reinforces mankind's innate attraction to nature and starts people down a path to stewardship.

The educational process is a continuum that begins with awareness, moves on to appreciation and concern, and ultimately concludes with an individual whose views and actions are changed as a result of his or her experiences. A study of our visitors by Dr. Stephen Kellert of Yale University underscores this continuum. His data shows that before their visit, our guests have a "utilitarian" view of the ocean, whereas their post-visit attitude shifts more to the "aesthetic."

Through inquiry-based teaching and hands-on activities, education programs encourage development of key scientific skills, such as observing, hypothesizing, experimenting, and drawing conclusions. The programs incorporate lectures, labs,

and field trips and use education materials that include live animals, tailored curriculum materials, laboratory equipment for water analysis (e.g., physical and chemical properties of Long Island Sound waters), as well as hand-puppets, life-size costumes, and many other teaching devices tailored to younger audiences.

Program Development

Mystic Aquarium and Institute for Exploration teachers working closely with school system educators and administrators to craft comprehensive content for grades K – 12 that is mapped to the Connecticut Framework for Science Standards and relate to the National Science Education Standards. After program concepts are outlined in group sessions, individual staff instructors are assigned to fully develop specific programs depending upon their own strengths and expertise.

A school program catalog is published that lists classes and indicates which science standards they meet. The catalog is mailed to approximately 12,000 schools in Connecticut and the surrounding area. This catalog is also available on the Aquarium's web site as an HTML document and a PDF file.

Formal assessments of programs are conducted on an ongoing basis. Students and teachers are asked to fill out evaluation forms for various programs, including outreach programs. Discussions with teachers and students yield information on how programs are perceived and how they can be improved. Regular surveys of visitors also aid us in developing programs and exhibits that engage interest and convey information.

To measure the educational effectiveness of our interpretive efforts, we have work with Dr. Stephen Kellert to conduct an evaluation of the galleries and associated education programs. Dr. Kellert, a professor at Yale University, is a leading expert on the American public's knowledge of, and attitudes about, environmental topics. Data collection methods include surveys, intercept interviews, and pre- and post visit testing.

Mystic Aquarium's Full School System Approach A Systemwide Case Study – Groton School District

In addition to offering individual programs to area schools, Mystic Aquarium & Institute for Exploration's education staff has worked with several towns in the area to create what are called system-wide programs. These learning units integrate a theme-based program package into the existing curriculum of a particular grade level of the entire school system.

For example, *Project Aquarium 2002 "A Field Guide to Mystic Aquarium"* has been an integral part of the nearby Town of Groton school system's 4th grade curriculum in all 9 public schools since 1991. Working with teachers and

administrators, it was determined that the Aquarium's collection of marine mammals, birds, fishes and invertebrates could be used as the basis for a student-created field guide to enhance their existing curriculums. In the process of putting together this guide, students are required to:

- make and record observations of live animals
- use reference materials to conduct literature searches
- synthesize information
- develop content outlines
- write concise and accurate descriptive prose
- create artwork
- employ critical thinking skills

The program has three major components:

1. ***In-school visit by our outreach staff*** – This introduces the concept of field guides to the students and includes live animals and a theatrical presentation.
2. ***1st Aquarium visit*** – Students visit the Aquarium and study fish and invertebrate collections for inclusion in field guides. Visit includes a directed shark study and a laboratory experience using live invertebrates.
3. ***2nd Aquarium visit*** – Students visit the Aquarium to study marine mammals and birds while continuing work on field guides. Visit includes a directed study of the Aquarium's beluga whales and other marine mammals.

During the time between the three components outlined above, the teachers work with students to develop their field guides. Once the field guides are complete, they are made available to other students in the Groton School system for use on field trips to the Aquarium.

In the process of creating a field guide, students learn about the feeding, behavior, reproduction, distribution and status of numerous marine organisms. The program also helps students to understand each organism's role in the ecosystem and how intertwined the lives are of members of the same community.

Having completed its 10th year, the program continues to receive high marks from teachers. The following is a sample of comments from the most recent teacher evaluation forms:

"Always well done."

"The hands-on activities were excellent and the children learned a great deal."

"Excellent, well planned and well presented."

"Great job! The kids had a blast. They were charged up to learn more."

Project Aquarium 2002 "A Field Guide to Mystic Aquarium" demonstrates that when key individuals from a school system work with the Aquarium staff, powerful synergies and highly effective learning experiences can result.

The JASON Project

World-renowned scientist and explorer Dr. Robert Ballard developed the JASON Project in 1989 in response to the thousands of letters he received from schoolchildren who were captivated by his deep-sea research. He wanted to find a way to include children in a real expedition, so he made use of the amazing telecommunications technology that is now available.

Although a limited number of students actually accompany the scientists on JASON research expeditions, hundreds of thousands of others take part via live communications transmissions. The technology is interactive, so ***students at Primary Interactive Network (PIN) downlink sites can communicate directly with the research scientists and even operate robotic equipment from across the country.***

Before each expedition, teachers prepare their students by means of a special JASON Project curriculum that includes background study and hands-on experiments. (For example, the theme for the 2002 JASON Project was entitled "Frozen Worlds" and featured the Arctic.) The curriculum is taught from October through January, with each teacher fitting it into her/his lessons in a manner that best supports the school's science education goals. On-line activities also are available through the JASON Foundation's award-winning website.

In February, students travel to the downlink sites to enjoy the live broadcasts. After the broadcasts, the JASON Project coordinator visits the participating schools and performs follow-up activities with the children. The curriculum is continued until the end of the school year.

Nationwide, over 1 million students participate in the JASON Project at over 33 PIN Sites. Connecticut has the oldest statewide JASON Network. ***In the past five years alone, over 16,500 children in the middle grades have attended the JASON broadcasts and been involved in the JASON program at Mystic Aquarium.*** We have also done teacher training for over 1400 individual teachers from the surrounding region.

The JASON Project stimulates interest in the natural sciences, as well as in social science, engineering and technology. This year the JASON program is adding a Mathematics cell as well as a reading cell for a comprehensive approach to learning. The JASON curriculum not only teaches children facts, but also teaches them to think.

The Immersion Institute™

Imagine going to a theater takes you in real time to a place thousands of miles away and allows you to explore that place in your own individual way. The ***Immersion Theater*** at Mystic Aquarium & Institute for Exploration enables just such a personal and exciting approach to learning – in this case featuring our nation’s spectacular National Marine Sanctuaries.

In 1972, 100 years after the establishment of the National Park Service and the creation of the first land-based national park, Congress established the National Marine Sanctuary System, a network of thirteen underwater zones protecting more than 18,000 square miles of marine and freshwater resources from Washington State to the Florida Keys, Lake Huron to the Gulf of Mexico, American Samoa and places in between.

The prototype ***Immersion Institute™ Theater*** has a pre-programmed video that explains the Sanctuary Program; an amazing, “live” view in real time from a remotely operated vehicle (ROV) located within a National Marine Sanctuary (e.g., Monterey Bay); an instructor who serves as a tour guide through the Sanctuary; and, interactive touch-screen kiosks that enable visitors to follow their own path of inquiry. An added attraction is the chance to operate the ROV from a console in the ***Immersion Theater***.

The educational mission of the National Marine Sanctuaries program is, “***To promote public understanding of our national marine sanctuaries and to empower citizens with the necessary knowledge to make informed decisions that lead to the responsible stewardship of aquatic ecosystems,***” a perfect complement to the mission of Sea Research Foundation.

During the coming academic year this program will be dramatically expanded with particular emphasis on developing marine related programs for Boys and Girls Clubs of America delivered using the Immersion Institute’s telepresence technologies.

Education Program Staffing

The Education Department at Mystic Aquarium and Institute for Exploration is headed by Dr. Stephen M. Coan, a career educator and specialist in informal learning. Kim Standish serves as administrator of the department which includes a staff of 28 full-time educators including traveling teachers, exhibit educators, and on-site teachers. The department is augmented by the Immersion Institute staff including Dr. Kathleen Dudzinski, a marine mammal specialist and Dr. Andrea McCurdy who specializes in educational technology. Several part-time teachers assist the department with traveling and on-site programs.

Community Involvement and Resource Sharing

Mystic Aquarium & Institute for Exploration is taking a lead role in advocating for more national emphasis on informal education as part of America's ocean policy. Dr. Robert D. Ballard, President of the Institute for Exploration serves on the President's U.S. Ocean Commission and is recognized as a leading voice for improving marine science education. Dr. Stephen Coan, Vice President of Education is recognized as an expert in after-school programs and distance learning programs. He has a long association with marine science educators through his work with the JASON Project over the past decade.

Locally, Kim Standish, Assistant Director of Education is active in regional education support and advocacy organizations including the Chamber of Commerce Education Committee. She regularly meets with area Superintendents, teachers, and educators from other non-profit and informal learning organizations in the area.

In Hartford, Joseph Bumpers works closely with the Hartford Chamber of Commerce Education Committee and with Boys and Girls Clubs of Greater Hartford and other local education organizations. Mystic Aquarium and Institute for Exploration provides resource days for teachers on the campus, a resource library in its Hartford facility and regularly supports and participates in the Connecticut Science Teachers Association.

COOPERATIVE PROGRAMS WITH OTHER ORGANIZATIONS/INSTITUTIONS

Coastal America – We are a designated Coastal Ecosystem Learning Center (CELC) and utilize many of the resources given to us through the federal agencies. We've hosted lecture series featuring prominent marine speakers that come free of charge through Coastal America, and also brought students and teachers out on the O.S.V. Anderson NOAA research vessel in Long Island Sound. We were a regional Student Ocean Conference host and assembled groups of students and teachers to come together to analyze and debate current marine issues, and hear from host, Sylvia Earle. We participate in National Estuaries Day, National Wetlands Week, and other environmental 'holidays' promoted by Coastal America.

CT Sea Grant – We are in constant contact with Sea Grant and utilize their staff as guest speakers for member programs and summer camps. For instance, Peg Van Patten, their seaweed 'guru,' often conducts seaweed labs for students and staff development. We are currently working with Sea Grant to implement a grant that we received. One of their staff is developing content and pre & post evaluations for our upcoming Teacher Summer Institute. In addition, we constantly disseminate the latest Sea Grant marine materials and resources to the classrooms.

Denison Pequotsepos Nature Center – a local nature center that we team up with to develop programs and generate interest among our membership. We have joined forces for the annual Bald Eagle Watch on the CT River, as well as Professional Development workshops for CT and RI educators.

New York Aquarium – We recently worked with staff from New York Aquarium & Bronx Zoo on a 2-day teacher workshop. We wrote a letter of support for the program, advertised and recruited teachers for the workshop, organized the details and hosted the workshop that their staff taught. We've hosted their student docents and given them guided and behind-the-scenes tours of our facility, and we've also taken member bus trips to New York Aquarium and have received great behind-the-scenes tours and programs from their staff.

Bronx Zoo - We recently worked with staff from Bronx Zoo & New York Aquarium on a 2-day teacher workshop. We wrote a letter of support for the program, advertised and recruited teachers for the workshop, organized the details and hosted the workshop that their staff taught. We have also taken member bus trips to Bronx Zoo and have received special guided tours and programs from their staff.

Roger Williams Zoo – We utilize their exhibits and staff for some of our specialized camp programs, specifically our JASON program. We also worked

with them to provide a training session to our education staff on alligators (handling/care/programming) when our Swamp Exhibit opened and we had gators in our classrooms. Their Education staff has also presented a 'Zooquarium' evening to our members, where they brought small terrestrial critters for viewing and touching. We are currently working on a 'trading species' program that would involve docents and animal talks.

Pine Point School – We have an 'open door' policy with this nearby private school, in which teachers and students receive free educational programming and the education department can use their campus for programming. With our numerous summer camp programs, the space and resources provided to us are invaluable. We also work with their teachers on a variety of programming initiatives and rely on them for feedback and evaluations.

Gateway School – We work with the Gateway School in New York City to provide beluga whale programming to their students throughout the school year. This consists of an on-site visit to the Aquarium as well as back & forth communication via email where questions are submitted and our whale staff responds. We've also arranged pen-pals for their students to correspond with in the northern Canada/arctic region.

Narragansett Bay National Estuarine Research Reserve – We have worked in conjunction with this nearby NEERS organization to jointly organize and implement our National Estuaries Day annual event each September. The Reserve provides some funding as well as staff for the event, and we host and execute the day.

Dolphin Communication Project – This exciting organization is now under the auspices of Mystic Aquarium, with Dr. Kathleen Dudzinski as a member of the Education Dept. We run dolphin research and ecotourism trips with participants from both organizations, and much of Kathleen's research is being incorporated into our current education programs. The DCP is helping us to promote awareness of marine mammal conservation.

University of Rhode Island Environmental Education Center – the concepts and implementation of two of our most popular overnight camp programs are run in conjunction with this center. The 'Paddlin' to the Sea' program for 13-16 year olds and the 'Marine Madness' program for 11-13 year olds typically have waitlists for participation. Staff from the Aquarium and the Center work together to combine experience in environmental education, outdoor skills, and fresh and saltwater content.

Mitchell College – We work closely with the Director of the Early Childhood Education Center to provide classroom observation and teaching experience to college students pursuing careers in teaching and education. We also utilize the

knowledge and energy from the Director himself and involve him in Professional Development programs, such as our upcoming Teacher Summer Institute. Vermont Institute – we work on a distance-learning initiative with the state of Vermont, whereby we provide marine programming every few months, and it reaches 500+ students at a time via telepresence. We teach the classes on-site, to a camera with no students in the room, yet hundreds are learning from us at that time!

Groton Maritime Academy – Our VP of Education serves on the Board of the Maritime Academy, and our staff attends monthly meetings to organize and run this program. This program was developed by the local Police Dept. in conjunction with various marine-related organizations, and offers troubled teens a 3-week marine experience, including Aquarium programs, deep-sea fishing, boat-building, and boat license tests. Teens graduate each summer and work their way up to internship and on-the-job experience at many area organizations, including the Aquarium.

Boys & Girls Clubs – We work with these clubs throughout the US, with particular focus on Indian Reservations, bringing to them newly created marine curriculum modules and corresponding computer video and imaging.

CT Science Teacher's Association – In addition to being members of this organization, we host annual meetings on-site and provide programming and marine-science speakers to the teachers and educational administrators who belong to this organization.

National Marine Educators Association – In addition to being members of this organization, we assisted in hosting the National Conference in 2002, which brought 500 marine educators to CT for 5 days of educational workshops, field trips, and guest speakers. We hosted a variety of events at the Aquarium for this group.

OUTREACH PROGRAMS

Traveling Teachers visit schools within 75 miles of Mystic, Connecticut, bringing the aquarium's resources to students that otherwise may not make it to us. Teachers bring live animals, hands-on learning materials, and customized supplemental programming to students during the traditional school day. Teachers may choose one of our classes from the education brochure, which are divided according to grade level. Classes accompanied by the small bus icon are able to travel and can be successfully taught away from the Aquarium. The majority of our education programs, especially the elementary programs, can travel off-site.

In many cases we work with specific districts to provide tailored programming to meet curricular needs of certain grade levels. Studies have shown that students retain more content from multiple exposures rather than a single experience. For this reason, we often organize multi-part programs, or units, introducing key concepts at the start of the program and building on them with each subsequent visit. For instance, we work with the local Groton School District to provide programming to every 4th grader, in nine different elementary schools. Our unit correlates to their science curriculum and introduces the scientific method and demonstrates its importance in research and scientific observation. The goal of the program is to give the students the background and understanding to research a specific marine animal and write a field guide. We visit each class three times within a three-month period, and we leave the students with the skills and content knowledge to continue the project under the direction of their classroom teacher. The success of this program is evident in the fact that we've been asked back for twelve consecutive years.

Another proven success is our Morton Salt program, which is celebrating its 10th anniversary this year. Through the generous support of Morton International, we are able to bring a marine science unit to more than 2,000 5th & 6th grade students in Connecticut's urban cities. This unit focuses on an introduction to Long Island Sound, the importance of protecting the Sound, the plants and animals that inhabit it, and their unique physical and behavioral adaptations. This program scratches the surface of the great need for science and environmental education in schools, specifically in urban settings. Many of these children have never been to Long Island Sound, although in some cases they live within 10-15 miles of it.

For this reason, our multi-part programs often entail a coastal field study component to a coastal habitat on Long Island Sound. We want to emphasize that learning doesn't just take place in the classroom. By bringing students to their local beach or salt marsh, we are making the connection between aquarium and reality. Even if the students have been to the beach, chances are they

haven't thought of it as a natural resource that needs to be protected, and they haven't thought about how their individual choices and actions affect the Sound and its ecosystems. It's our goal to change their outlook—and ultimately, their actions.

Our multi-part traveling programs include:

- Groton District – 3 visits with 4th grade students
- Stonington District – 2 visits with all 2nd grade students
- Madison/Ryerson District – 3 visits with all 2nd grade students
- Norwich District – 3 visits with all 6th grade students (Morton Salt Program)
- New London District – 3 visits with many 5th grade students (Morton Salt Program)
- Hartford District – 3 visits with many 5th grade students (Morton Salt Program)
- New Haven District – 3 visits with many 2nd, 5th, 6th, 7th, 8th grade students

We are also involved in larger scale educational events that require us to set up a booth, offer interactive programming with a marine message, and distribute educational materials. These events help us to reach masses of people and create awareness throughout New England.

Large-scale outreach events include:

- CPTV (CT Public Television Event) – an annual event that attracts 20,000 families to an educational weekend of interactive programming, exhibit booths, food.
- Channel 3 Kids Festival - an annual event based in the Hartford area that features organizations and entertainment for CT's kids.
- SAM JAM – Pfizer Inc. annual Science & Math Jamboree that attracts 1000+ students over a 3-day period. Students spend timed rotations at each booth and are presented with a scientific concept that they can then experiment with and ask questions about.

SELECT CONSERVATION INITIATIVES

- Working with university partners to establish a biological field station on the Gulf of California at *Rancho El Barril*, Baja California, Mexico, a region of the central Gulf having high conservation priority.
- Pioneering the development of “*Ring Road*” live-link public programs connecting MAIFE and other institutions with the Monterey Bay, Channel Islands, and other marine sanctuaries through above water and underwater, remotely operated camera systems and interactive learning stations.
- Working with the *CT Department of Environmental Protection* and the *RI Department of Environmental Management* to conduct seminars and produce printed and electronic guides describing issues affecting marine mammals and sea turtles in southern New England and conveying natural history information on common beachstranded species.
- Undertaking research studies involving the release and tracking of rehabilitated beachstranded marine mammals and making real-time data on animal activity and habitat available on-line to the public.
- Working to heighten awareness of inshore conservation issues as a nationally designated *Coastal America Coastal Ecosystem Learning Center*. Hosting annual events for visitors focussing specifically on coastal estuaries in association with Audubon and the National Estuary Program.
- Hosting annually the *JASON Project*, a prominent distance learning initiative for school groups and visitors featuring live broadcasts of students and scientists from field sites in rainforest, desert, and marine habitats.
- Partnering on-site with the Dolphin Communication Project to leverage field studies in dolphin behavior and communication for promoting awareness and understanding of marine mammal conservation in Japan and North America.
- Promoting the involvement of staff in field initiatives such as beluga whale studies in western Hudson’s Bay in association with *Fisheries and Oceans Canada*, Steller sea lion field studies in Alaskan waters in association with *Alaska Fish and Game and University of Alaska*, and the rescue of oiled African penguins in association with *SANCOOB* of South Africa.
- Hosting lectures for members and the public featuring high-profile advocates for habitat and wildlife conservation such as Jim Fowler. Including coastal field studies in program offerings for students and members. [Also see Education Programs (**Attachment E-2**).]

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