

# THE AMERICAN CLUB

## CASE STUDY: THE *FEDRA* GROUNDING AND WRECK REMOVAL

### 案例讨论：FEDRA轮的搁浅及残骸打捞



# THE AMERICAN CLUB - FEDRA - BACKGROUND

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## 美国保赔协会 — FEDRA轮事故 — 背景介绍



- 1984-built 35,886 GRT Liberian flagged vessel  
1984年建造，总吨35,886吨，利比里亚船旗
- Vessel arrived at Gibraltar on October 9, 2008  
船于2008年10月9日抵达直布罗陀
- In ballast awaiting voyage instructions  
空载航次，等待航次指示
- Good weather conditions upon arrival  
到达时，天气状况良好





- Weather severely deteriorated to Force 12 gale conditions  
天气极度恶化，迎来12级大风
- Vessel lost power and steering while awaiting bunkers  
船舶在等候加油时，暂时失去动力和对舵机的控制
- Vessel dragged its anchors 船舶走锚了
- Salvors working on nearby wreck of the NEW FLAME assisted on Lloyd's Open Form / SCOPIC terms  
当时在附近救助NEW FLAME轮的救助公司依据LOF/SCOPIC条款进行救助
- Tugs deployed tow lines which later parted due to bad weather  
拖轮尝试拖带，但是由于恶劣天气造成缆绳断裂



# THE AMERICAN CLUB - FEDRA - GROUNDING 船舶搁浅

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Vessel grounded at Europa Point, Gibraltar on October 10, 2008  
船舶于2008年10月10日搁浅于直布罗陀欧罗巴角



# THE AMERICAN CLUB - FEDRA - GROUNDING 船舶搁浅 5



## CREW RESCUE 船员救助

- 31 crew on board at the time of the grounding 搁浅时船上有31名船员
- 5 rescued by Spanish Coast Guard Helicopter 西班牙海上防卫队用直升机救起了5名
- Remaining crew winched ashore using cradle 剩余的船员由岸上设备从船上吊上岸
- Some crew members suffered hypothermia; no other injuries or casualties 部分船员出现低温状况；但没有人受伤也没有发生其他事故



## 当地政府反应

### POST INCIDENT – WRECK REMOVAL

### 事故发生后 – 残骸打捞

The government of Gibraltar ordered the removal of bunkers, lubes and hydrocarbons, as well as the wreck 直布罗陀政府要求清除所有由事故船舶排放出的残留物包括燃油，润滑油，碳氢化合物和残骸

- Salvage operations were conducted in two separate phases 救助工作分两个阶段展开





## 残骸打捞

### WRECK REMOVAL – PHASE 1 第一阶段

Titan Salvage, working on nearby NEW FLAME wreck, was initially engaged to:

正在附近打捞NEW FLAME轮的Titan救助公司初期参与了以下工作

- (1) remove all hydrocarbons from the vessel;清除所有船上排出的碳氢化合物
- (2) remove the superstructure for scrapping; and清除船体结构并做进一步处理，以及
- (3) re-float and tow the forward section of vessel for demolition / scrapping  
将船舶的船艏部分起浮并拖走进行下一步拆卸报废处理





## WRECK REMOVAL – PHASE TWO 第二阶段

After a tender offer, Donjon Salvage was awarded the task of removing the stern of the wrecked vessel, which was completed by January 22, 2010 经过一轮竞标，最后由 Donjon 救助公司进行打捞船尾残骸的工作，并于2010年1月22日完成。





American Club was the “Holding Club” in context of IG Pool

- Total Cost to American Club - \$66,162,281
- \$58 million recovered from the IG Pool
- \$3.5 million recovered from reinsurers (below Pool retention layer)

Actual net cost to Club: \$4.6 million



# THE AMERICAN CLUB - FEDRA - COSTS COMPARISON 11

## 费用对比

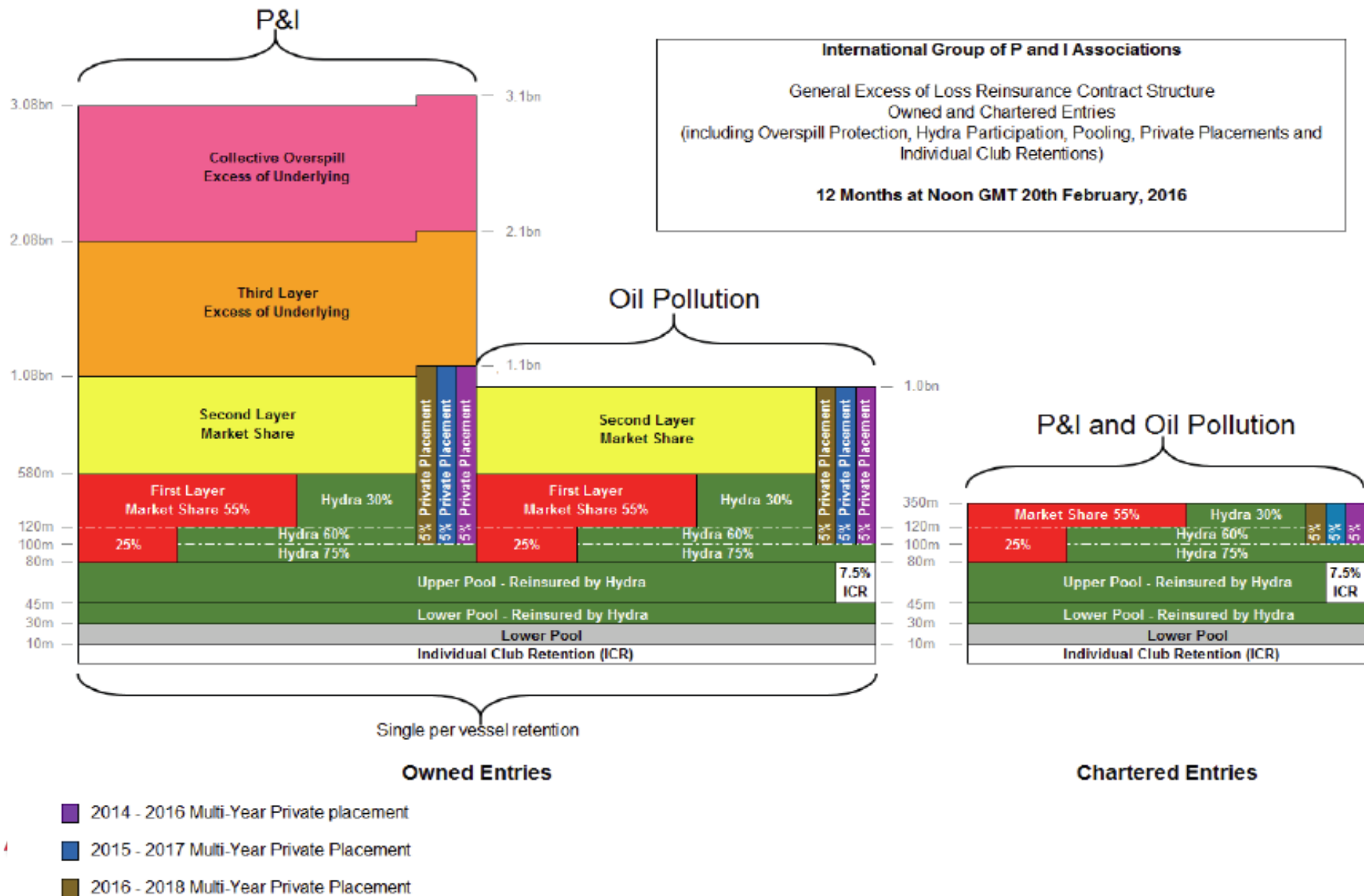
### *NEW FLAME*

- Other IG Club vessel
- Wreck removal and associated costs: \$174 million
- Total Pool claim contribution cost to American Club: \$1,561,562





# 2016/17 International Group Pool Reinsurance Programme





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# THE AMERICAN CLUB - FEDRA - REINSURANCE

## Pool Claim Scenario for each IG Club in 2016

Incurred Claim Value

*(using 2016 provisional pooling shares)*

\$ 580,000,000.00

Association	Holding Club Retention	Lower Pool		Upper Pool \$35m xs \$45m		GEOL (\$500m xs \$80m)						Holding Club	Non-Holding Club	
	\$10,000,000	\$35m xs \$10m		7.5% Holding Club Retention	\$35m xs \$45m (92.5%)	\$20m xs \$80m (75% Co-Insurance)		\$20m xs \$100m (60% Co-Insurance)		\$460m xs \$120m (30% Co-Insurance) Net of Retrocession		Total Cost (including \$10m retention)	Total Cost	
American	\$ 10,000,000	2.2714%	\$ 794,990	\$ 2,625,000	1.4937%	\$ 483,585	1.4937%	\$ 224,055	1.4937%	\$ 179,244	1.4937%	\$ 1,463,826	\$ 15,770,700	\$ 3,145,700
Britannia	\$ 10,000,000	8.1916%	\$ 2,867,060	\$ 2,625,000	8.1311%	\$ 2,632,444	8.1311%	\$ 1,219,665	8.1311%	\$ 975,732	8.1311%	\$ 7,968,478	\$ 28,288,379	\$ 15,663,379
Gard	\$ 10,000,000	17.2709%	\$ 6,044,815	\$ 2,625,000	18.9896%	\$ 6,147,883	18.9896%	\$ 2,848,440	18.9896%	\$ 2,278,752	18.9896%	\$ 18,609,808	\$ 48,554,698	\$ 35,929,698
Japan	\$ 10,000,000	8.0946%	\$ 2,833,110	\$ 2,625,000	6.4502%	\$ 2,088,252	6.4502%	\$ 967,530	6.4502%	\$ 774,024	6.4502%	\$ 6,321,196	\$ 25,609,112	\$ 12,984,112
London	\$ 10,000,000	3.8440%	\$ 1,345,400	\$ 2,625,000	3.3430%	\$ 1,082,296	3.3430%	\$ 501,450	3.3430%	\$ 401,160	3.3430%	\$ 3,276,140	\$ 19,231,446	\$ 6,606,446
North of England	\$ 10,000,000	8.7976%	\$ 3,079,160	\$ 2,625,000	10.1790%	\$ 3,295,451	10.1790%	\$ 1,526,850	10.1790%	\$ 1,221,480	10.1790%	\$ 9,975,420	\$ 31,723,361	\$ 19,098,361
Shipowners	\$ 10,000,000	6.0993%	\$ 2,134,755	\$ 2,625,000	1.4748%	\$ 477,467	1.4748%	\$ 221,220	1.4748%	\$ 176,976	1.4748%	\$ 1,445,304	\$ 17,080,722	\$ 4,455,722
Skuld	\$ 10,000,000	4.3881%	\$ 1,535,835	\$ 2,625,000	6.8401%	\$ 2,214,482	6.8401%	\$ 1,026,015	6.8401%	\$ 820,812	6.8401%	\$ 6,703,298	\$ 24,925,442	\$ 12,300,442
Standard	\$ 10,000,000	11.7195%	\$ 4,101,825	\$ 2,625,000	8.8577%	\$ 2,867,680	8.8577%	\$ 1,328,655	8.8577%	\$ 1,062,924	8.8577%	\$ 8,680,546	\$ 30,666,630	\$ 18,041,630
Steamship	\$ 10,000,000	8.0336%	\$ 2,811,760	\$ 2,625,000	10.4968%	\$ 3,398,339	10.4968%	\$ 1,574,520	10.4968%	\$ 1,259,616	10.4968%	\$ 10,286,864	\$ 31,956,099	\$ 19,331,099
Swedish	\$ 10,000,000	7.2455%	\$ 2,535,925	\$ 2,625,000	3.4642%	\$ 1,121,535	3.4642%	\$ 519,630	3.4642%	\$ 415,704	3.4642%	\$ 3,394,916	\$ 20,612,710	\$ 7,987,710
UK Club	\$ 10,000,000	7.8916%	\$ 2,762,060	\$ 2,625,000	13.8532%	\$ 4,484,974	13.8532%	\$ 2,077,980	13.8532%	\$ 1,662,384	13.8532%	\$ 13,576,136	\$ 37,188,534	\$ 24,563,534
West Of England	\$ 10,000,000	6.1523%	\$ 2,153,305	\$ 2,625,000	6.4266%	\$ 2,080,612	6.4266%	\$ 963,990	6.4266%	\$ 771,192	6.4266%	\$ 6,298,068	\$ 24,892,167	\$ 12,267,167



## POOL CLAIM SCENARIO – 2016 POLICY YEAR

### COST TO AMERICAN CLUB FOR A \$580,000,000 CLAIM (INCURRED CLAIM VALUE)

As Holding Club: \$15,770,700

As Non-Holding Club: \$ 3,145,700



# THE AMERICAN CLUB - FEDRA - CONCLUSION

## 总结

### NOTEWORTHY PARTICULARS FROM *FEDRA* MATTER:

- Proactive claims handling and transparent interaction with salvors controlled expenses as best as possible to a gross total of \$66 million 积极得处理案件，并且与救助人员保持良好的配合尽最大努力将总费用控制在六百六十万美元
- Superlative reinsurance arrangements minimized American Club's net exposure to \$4.5 million 充分的再保险机制将协会的损失控制在四百五十万美元
- Current IG Pool and other reinsurance arrangements enable the American Club to cover very large exposures to the benefit of its entire Membership 目前IG及其他再保险机制确保协会可以承担巨大的风险



THANK YOU  
谢谢您

