

**Open Symposium on Southern Hemisphere Humpback Whales
3 April 2006**

	INTRODUCTION
9:00-9:15	Welcome and introduction : Nick Gales
9:15- 9:35	What on earth is a Comprehensive Assessment? Greg Donovan
	SESSION 1: REVIEW OF WHALING
9:35 – 10:05	Coastal humpback whaling in Western Australia: A biologist's perspective: Graham Chittleborough
10:05 – 10:35	A history of legal humpback whaling in the Southern Hemisphere: John Bannister
10.35 – 11:00	A history of illegal humpback whaling in the Southern Hemisphere: Phil Clapham
11:00 – 11:30	Morning Tea
	SESSION 2: POPULATION STRUCTURE
11:30 - 12:00	An overview of population structure of Southern Hemisphere humpback whales: Scott Baker.
12:00 – 12:30	Tracking humpbacks with 'Discovery' Tags. David Paton.
12:30 – 1.00	Satellite tracking of humpback whales – Alex Zerbini
1:00 – 2:30	Lunch
	SESSION 3: PAST, PRESENT AND FUTURE ABUNDANCE
2:30 – 3:00	Counting humpback whales: Phil Hammond
3:00 – 3:30	Estimating the original abundance of humpback whales: Doug Butterworth
3:30 – 4:00	Factors affecting humpback whale recovery: Ken Findlay
4:00	Close Symposium

**IWC Workshop on the Comprehensive Assessment of Southern Hemisphere
Humpback Whales, 4-7 April 2006
Draft agenda**

1. Introductory items
 - 1.1. Welcome and introduction
 - 1.2. Terms of reference
 - 1.3. Election of chair and appointment of rapporteurs
 - 1.4. Meeting procedures and time schedule
 - 1.5. Adoption of agenda
 - 1.6. Documents available
 - 1.7. Publication of proceedings (?)

2. Review of stock structure, distribution and movements
 - 2.1. Breeding Stock A
 - 2.1.1. Genetic information
 - 2.1.2. Other information
 - 2.1.3. Seasonal distribution
 - 2.1.3.1. Winter
 - 2.1.3.2. Summer
 - 2.1.3.3. Other
 - 2.1.4. Movements
 - 2.1.4.1. Discovery marks
 - 2.1.4.2. Natural marks (photo-id; genetic)
 - 2.1.4.3. Telemetry
 - 2.1.5. Research Recommendations
 - 2.2. Breeding Stock B
 - 2.2.1. Genetic information
 - 2.2.2. Other information
 - 2.2.3. Seasonal distribution
 - 2.2.3.1. Winter
 - 2.2.3.2. Summer
 - 2.2.3.3. Other
 - 2.2.4. Movements
 - 2.2.4.1. Discovery marks
 - 2.2.4.2. Natural marks (photo-id; genetic)
 - 2.2.4.3. Telemetry
 - 2.2.5. Research Recommendations
 - 2.3. Breeding Stock C
 - 2.3.1. Genetic information
 - 2.3.2. Other information
 - 2.3.3. Seasonal distribution
 - 2.3.3.1. Winter
 - 2.3.3.2. Summer
 - 2.3.3.3. Other
 - 2.3.4. Movements
 - 2.3.4.1. Discovery marks
 - 2.3.4.2. Natural marks (photo-id; genetic)
 - 2.3.4.3. Telemetry
 - 2.3.5. Research Recommendations

- 2.4. Breeding Stock D
 - 2.4.1. Genetic information
 - 2.4.2. Other information
 - 2.4.3. Seasonal distribution
 - 2.4.3.1. Winter
 - 2.4.3.2. Summer
 - 2.4.3.3. Other
 - 2.4.4. Movements
 - 2.4.4.1. Discovery marks
 - 2.4.4.2. Natural marks (photo-id; genetic)
 - 2.4.4.3. Telemetry
 - 2.4.5. Research Recommendations
- 2.5. Breeding Stock E
 - 2.5.1. Genetic information
 - 2.5.2. Other information
 - 2.5.3. Seasonal distribution
 - 2.5.3.1. Winter
 - 2.5.3.2. Summer
 - 2.5.3.3. Other
 - 2.5.4. Movements
 - 2.5.4.1. Discovery marks
 - 2.5.4.2. Natural marks (photo-id; genetic)
 - 2.5.4.3. Telemetry
 - 2.5.5. Research Recommendations
- 2.6. Breeding Stock F
 - 2.6.1. Genetic information
 - 2.6.2. Other information
 - 2.6.3. Seasonal distribution
 - 2.6.3.1. Winter
 - 2.6.3.2. Summer
 - 2.6.3.3. Other
 - 2.6.4. Movements
 - 2.6.4.1. Discovery marks
 - 2.6.4.2. Natural marks (photo-id; genetic)
 - 2.6.4.3. Telemetry
 - 2.6.5. Research Recommendations
- 2.7. Breeding Stock G
 - 2.7.1. Genetic information
 - 2.7.2. Other information
 - 2.7.3. Seasonal distribution
 - 2.7.3.1. Winter
 - 2.7.3.2. Summer
 - 2.7.3.3. Other
 - 2.7.4. Movements
 - 2.7.4.1. Discovery marks
 - 2.7.4.2. Natural marks (photo-id; genetic)
 - 2.7.4.3. Telemetry
 - 2.7.5. Research Recommendations
- 2.8. Breeding Stock X
 - 2.8.1. Genetic information

- 2.8.2. Other information
- 2.8.3. Seasonal distribution
 - 2.8.3.1. Winter
 - 2.8.3.2. Summer
 - 2.8.3.3. Other
- 2.8.4. Movements
 - 2.8.4.1. Discovery marks
 - 2.8.4.2. Natural marks (photo-id; genetic)
 - 2.8.4.3. Telemetry
- 2.8.5. Research Recommendations
- 2.9. Conclusions on stock structure, including alternative hypotheses if appropriate
- 3. Catch information
 - 3.1. Data sources (including informal report of intersessional group)
 - 3.1.1. Whaling
 - 3.1.2. Incidental catches in fishing gear
 - 3.1.3. Ship strikes
 - 3.2. Development of 'best' and alternative catch/removal series
 - 3.2.1. Total
 - 3.2.2. By stock structure hypothesis
 - 3.3. Catch-per-unit-effort (CPUE)
- 4. Biological parameters
 - 4.1. Natural mortality rate
 - 4.1.1. Methods
 - 4.1.2. Estimates
 - 4.2. Age and length at attainment of sexual maturity
 - 4.2.1. Methods
 - 4.2.2. Estimates
 - 4.3. Reproductive rates
 - 4.3.1. Methods
 - 4.3.2. Estimates
- 5. Estimates of recent abundance and observed trends
 - 5.1. Review of methods
 - 5.1.1. Sightings surveys
 - 5.1.2. Mark-recapture
 - 5.1.3. Relating feeding ground estimates to stock structure hypotheses
 - 5.2. Available estimates by stock structure hypothesis
 - 5.3. Trend estimates by stock structure hypothesis
- 6. Assessment
 - 6.1. Model or models to be used
 - 6.2. Input for model(s)
 - 6.3. Results
- 7. Conclusions and recommendations to Scientific Committee
 - 7.1. Research
 - 7.2. Management advice

7.3. Workplan

8. Any other business

9. Adoption of report