# DROPPED OBJECTS STILL HARMING STILL KILLING









Fatality: Death resulting from an injury or trauma.

(LTI) DAFWC Day Away From Work Case : Non-fatal traumatic injury (MAJOR) that causes any loss of time from work beyond the day or shift it occurred. Also referred to as a Lost Time Incident (LTI).

Fatality

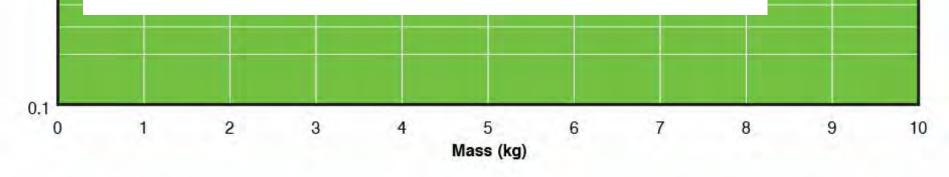
DAFWC

Recordable

First Aid

**(MTC) Recordable Case:** Work-related injury (MINOR) that does not involve death, day(s) away from work, restricted work or job transfer, and where the employee receives medical treatment beyond first aid.

**First Aid Case:** No injury or limited injury (SLIGHT). Treatment may be limited to first aid.



### **DROPS CALCULATOR**

100

10

0	eoble No injury or	Assets	Environment	Reputation	A Never heard of in the Industry	B Heard of in the Industry	C Has happened in the Organisation	D Has happened at the Location or more than	E Has happened more than once per	Fatality DAFWC Recordable
0		Assets	Environmer	Reputation	heard of in		happened in the Organisation	happened at the Location	happened more than	The second se
0	No injury or						or more than once per year in the Industry	once per year in the Organisation	year at the Location	First Aid
	health effect	No damage	No effect	No impact						
1	Slight injury or health effect	Slight damage	Slight effect	Slight impact						
2	Minor injury or health effect	Minor damage	Minor effect	Minor impact						
3	Major injury or health effect	Moderate damage	Moderate effect	Moderate impact						
4	PTD or up to 3 fatalities	Major damage	Major effect	Major impact						
	More than 3 fatalities	Massive damage	Massive effect	Massive impact						

# **DROPS CALCULATOR**

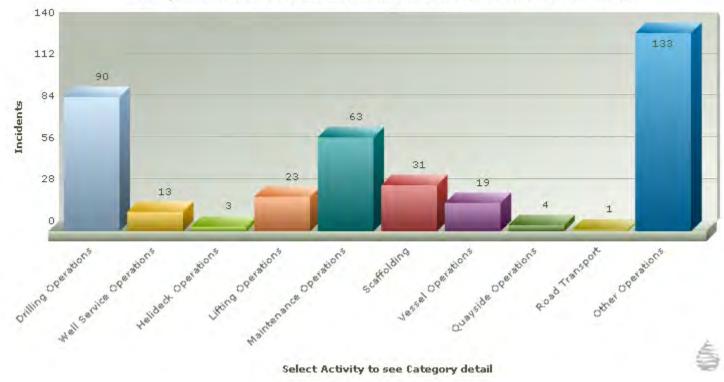
Dropped Height (metres)



# DORIS



Dropped Objects Register of Incidents & Statistics

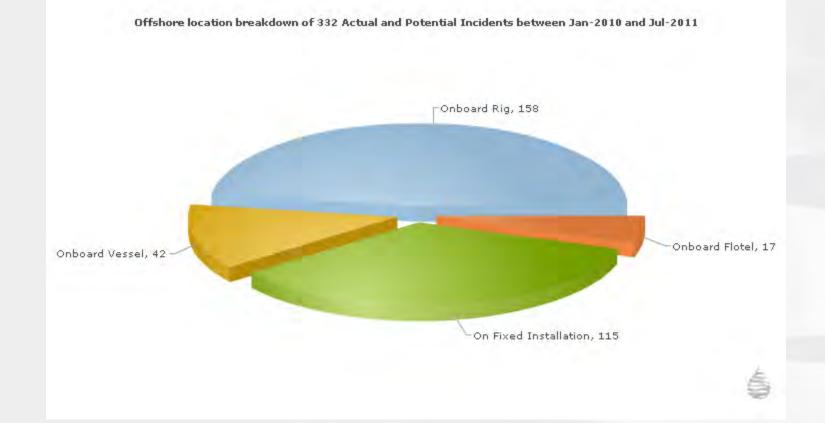


#### Activity breakdown on 380 Actual and Potential Incidents between Jan-2010 and Jul-2011

- Incident data continues to grow
- 98% from European North Sea operations (336 of total are offshore related incidents)

Dropped Objects – Activity (Q1 2010 to date)





 Data typically reflects drilling related activities both on and offshore - further data can be accessed on each incident through individual secure log in

Dropped Objects – Location (Q1 2010 to date)



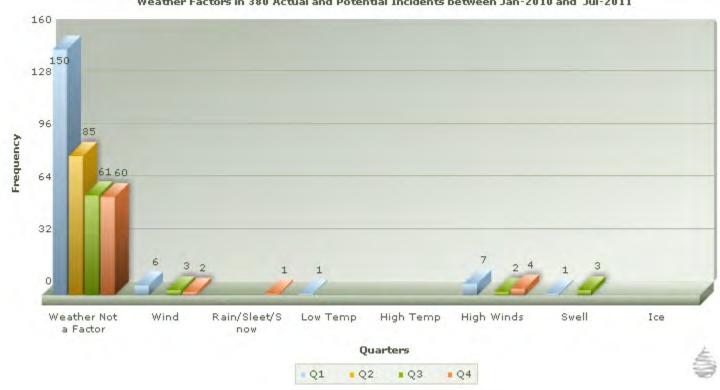


Time breakdown of 380 Actual and Potential Incidents occuring between Jan-2010 and Jul-2011

- Interesting data to sort and analyse
- Incidents can be sorted by Actual and Potential types

Dropped Objects – Time Breakdown (Q1 2010 to date)



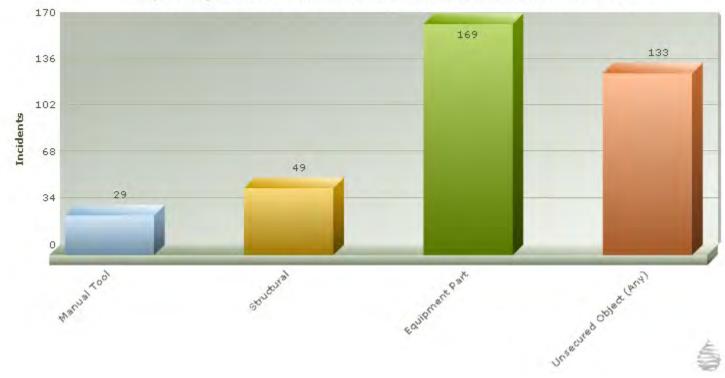


Weather Factors in 380 Actual and Potential Incidents between Jan-2010 and Jul-2011

- Weather data not always available
- High Wind / Swells contribute to dynamic dropped objects

Dropped Objects – Environmental Factors



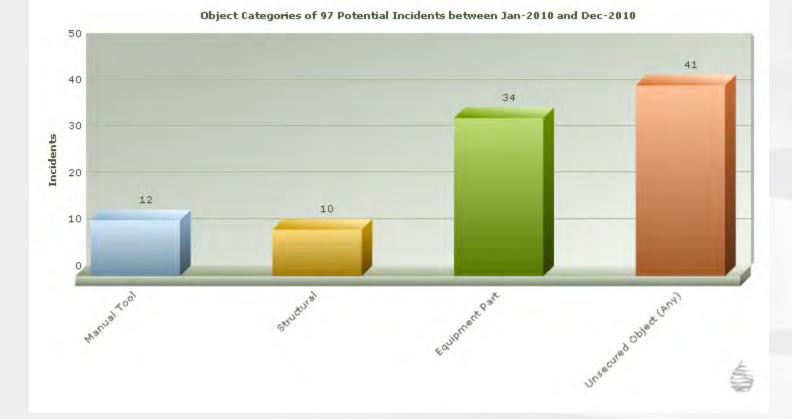


Object Categories of 380 Actual and Potential Incidents between Jan-2010 and Jul-2011

Interesting trends in Category data...

## Dropped Objects – Categories (Actual and Potential)

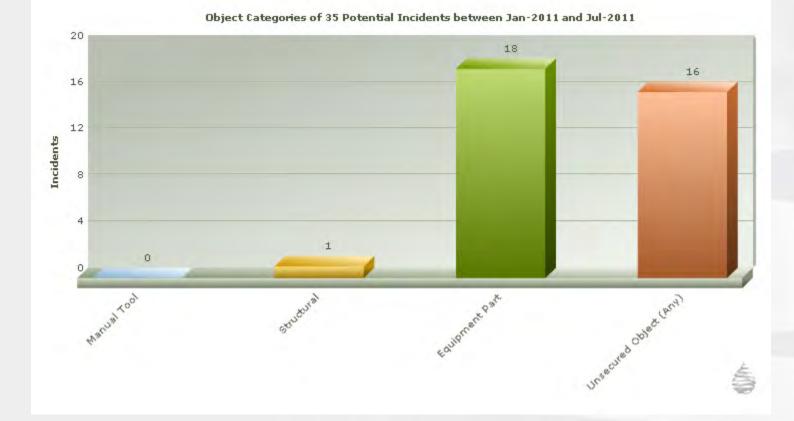




 Data on Potential incidents from Jan 2010 to Dec 2010 – more unsecured items identified and removed than other categories

Dropped Objects - Categories (Potential)





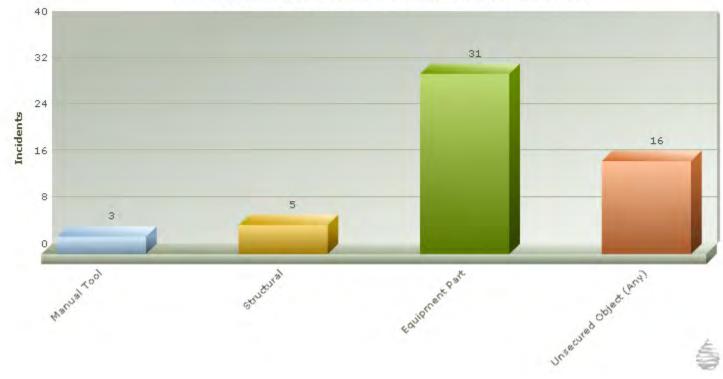
 Data on Potential incidents from Jan 2011 to date – more equipment parts identified and addressed – suggests greater awareness of need for equipment inspection

Dropped Objects - Categories (Potential)





The following data is derived from selecting date range JAN 2011 to date – a total of 55 actual and 35 potential incidents, 90% of which are offshore related

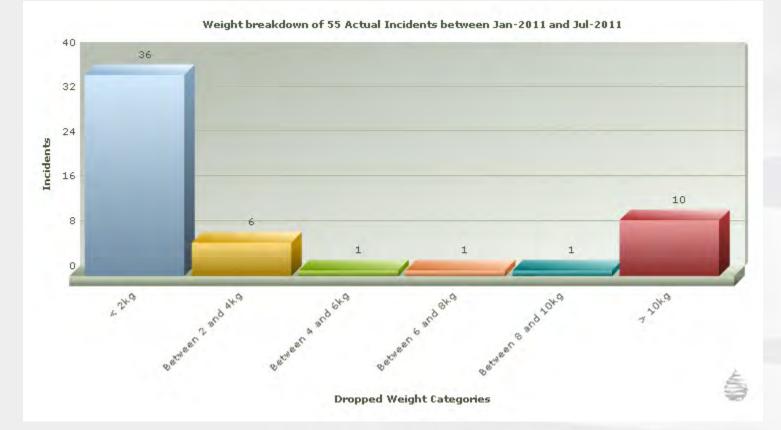


Object Categories of 55 Actual Incidents between Jan-2011 and Jul-2011

• Actual incidents (2011 to date) continue the trend from 2010. Over half of actual dropped objects are equipment parts.

Dropped Objects – Categories (Actual)

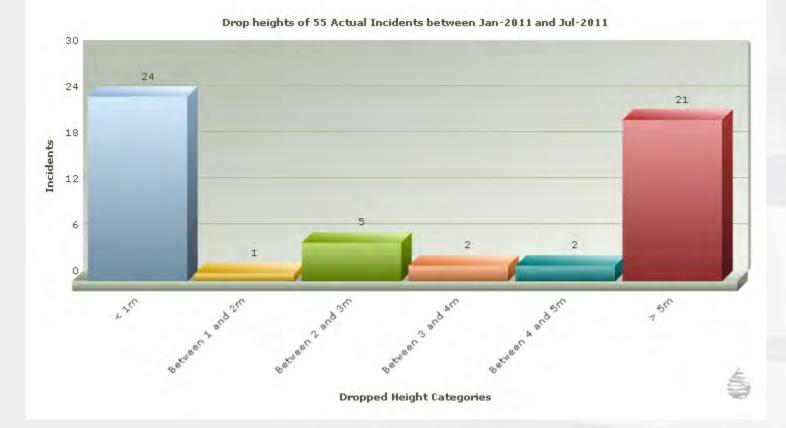




- Actual incidents (2011 to date)
- Interesting to sort this data by potential vs actual visit www.dropsonline.org/doris and have a look for yourself!

Dropped Objects – Weights (Actual)

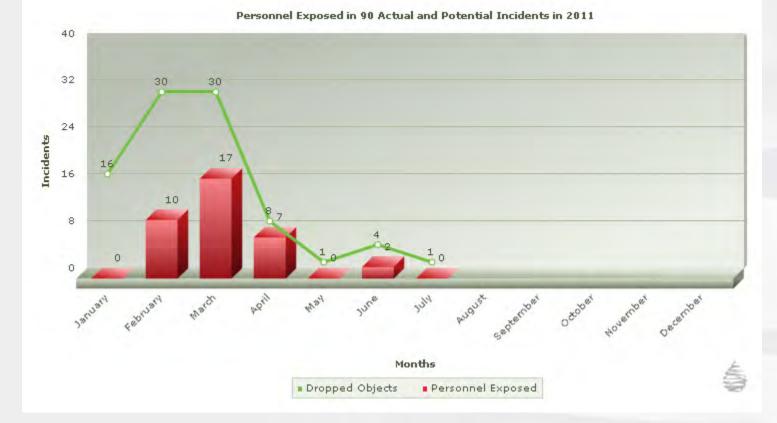




- Actual incidents (2011 to date)
- 40% of objects fall from 5m or more

Dropped Objects – Heights (Actual)





- Actual incidents (2011 to date)
- Based on 2010, this suggests we are still waiting for latest data for summer months...

**Dropped Objects – Consequences** 



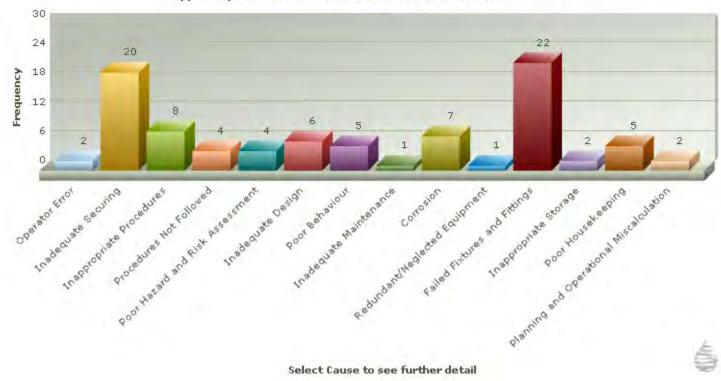
### 15 12 10 9 9 Personnel 6 з 0 First and cordable Fataltet OAFW Potential Injury Actual Injury

Personnel Exposure against Injury Category in 55 Actual Incidents between Jan-2011 and Jul-2011

- Actual incidents with actual & potential consequences (2011 to date)
- Statistics are showing that a growing percentage of dropped object incidents are high potential

Dropped Objects – Consequences





Dropped Object Causes in 55 Actual Incidents between Jan-2011 and Jul-2011

- Actual incidents (2011 to date)
- No real change in trend here, but Inadequate Securing is showing an increase percentage wise on 2010

**Dropped Objects – The Causes** 



- 2011 Data shows 55 <u>actual</u> dropped objects (35 potential).
  - Summer reporting still to be received.
- 60% of all Dropped Objects are 2kg or less.
  - 18% were greater than 10kg increase on 2010
- 35% Dropped objects fall 1m or less.
  - 30% fell from 5m or above increase on 2010
- Personnel were exposed in over 30% of recorded cases.
  - 3 actual injuries (1 LTI)
  - 10 Potential Fatalities (from Actual Incidents)
- Top three Causes (no change from 2010)
  - Failed Fixtures & Fittings
  - Inadequate Securing
  - Corrosion

**Dropped Objects - Messages** 



- By filtering current data by year, DORIS clearly shows that we have not improved our dropped object prevention performance...but we may have improved our incident reporting?
- To realise the true value of DORIS, we need data. Please help us out!
- DROPS Admin can help with anonymous input of data please just ask.

**Dropped Objects - Summary** 

