

# 2016



## Summary of Occupational Incidents (European Water Totals)

Issued 1 July 2017



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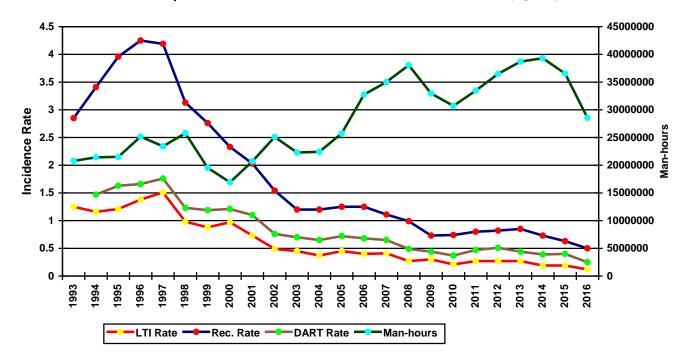
### IADC 2016 European Water Totals (Table 1)

	<u>Total</u>
Total Man-hours	28,551,227
Total Medical Treatment Incidents	36
Total Restricted Work Incidents	19
Total Lost Time Incidents	17
Total Fatalities	0
Total Recordables	72
MTO Incidence Rate	0.25
RWC Incidence Rate	0.13
LTI Incidence Rate	0.12
LTI Frequency Rate	0.60
DART Incidence Rate	0.25
DART Frequency Rate	1.26
Recordable Incidence Rate	0.50
Recordable Frequency Rate	2.52

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Medical Treatment Incidence Rate = MTOs X 200,000 Restricted Work Incidence Rate = RWCs X 200,000 Lost Time Incidence Rate = LTIs + FTLs X 200,000 DART Incidence Rate = LTIs + RWC X 200,000 Recordable Incidence Rate = RCRD X 200,000

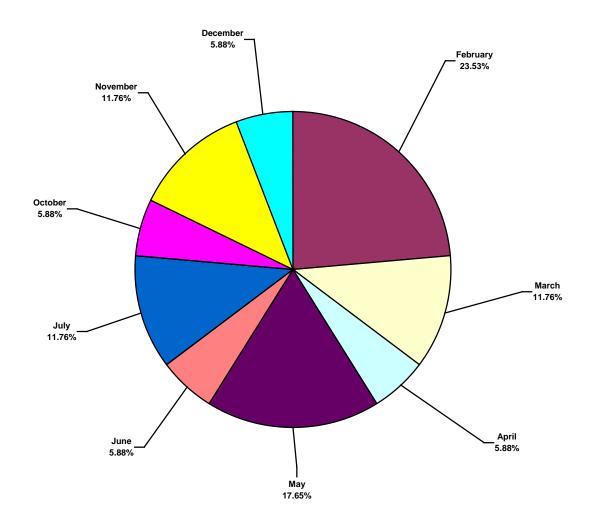
Lost Time Frequency Rate = LTIs +FTLs X 1,000,000 DART Frequency Rate = LTIs + RWC X 1,000,000 Recordable Frequency Rate = RCRD X 1,000,000



#### European Water Total Incidence Rates vs Man-hours (Figure 1)



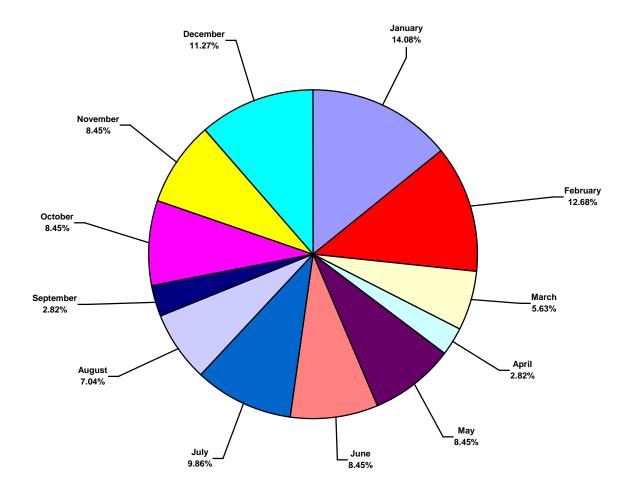
#### IADC 2016 European Water Charts European Water Total Lost Time Incidents by Month (Chart 1) Based on 17 Incidents



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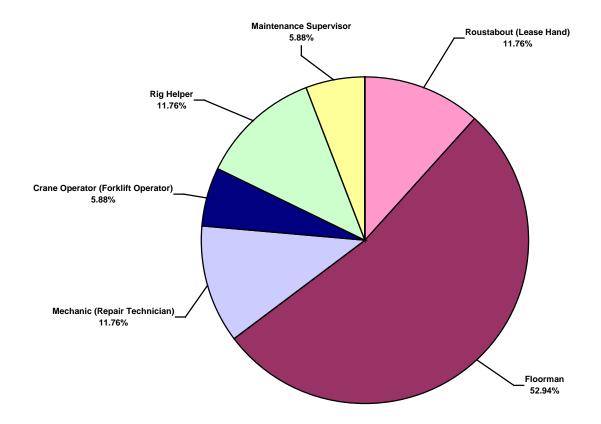


#### European Water Total Recordable Incidents by Month (Chart 2) Based on 71 Incidents

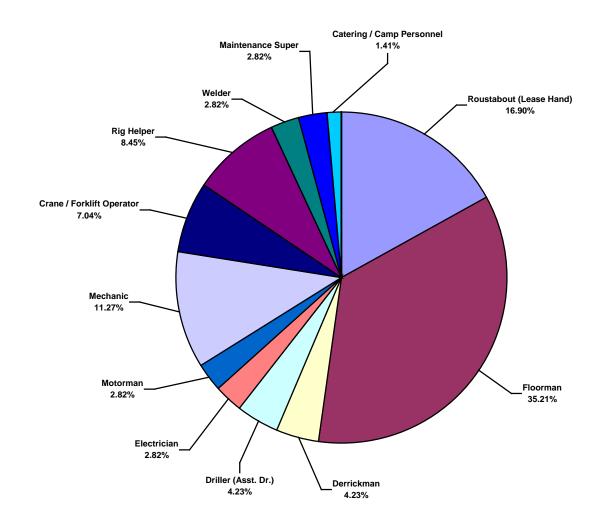




#### European Water Total Lost Time Incidents by Occupation (Chart 3) Based on 17 Incidents



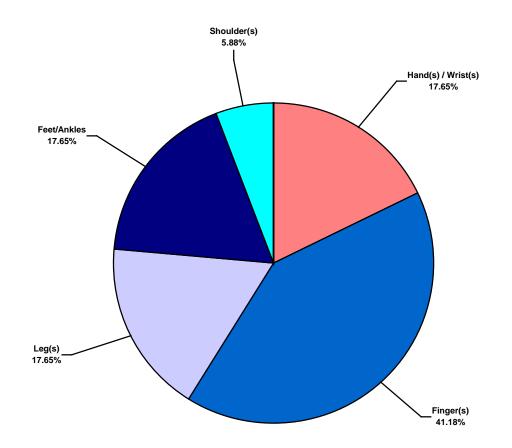




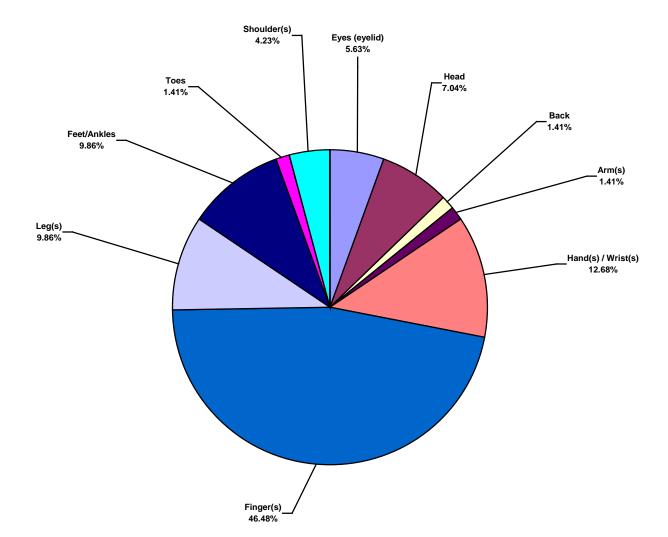
#### European Water Total Recordable Incidents by Occupation (Chart 4) Based on 71 Incidents



#### European Water Total Lost Time Incidents by Body Part (Chart 5) Based on 17 Incidents



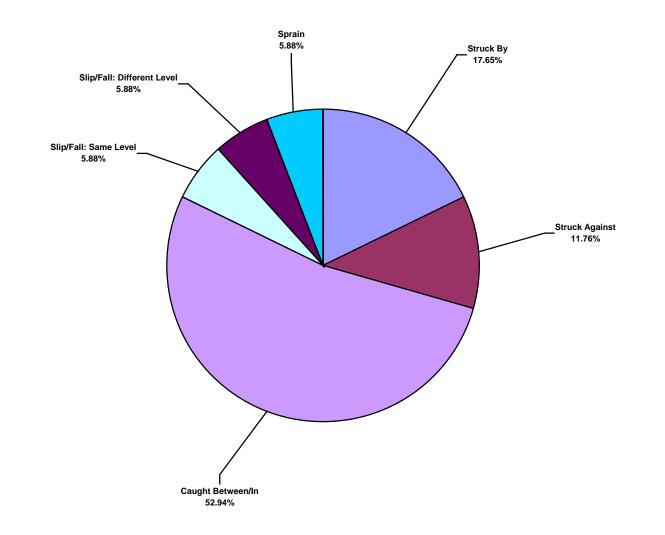




#### European Water Total Recordable Incidents by Body Part (Chart 6) Based on 71 Incidents

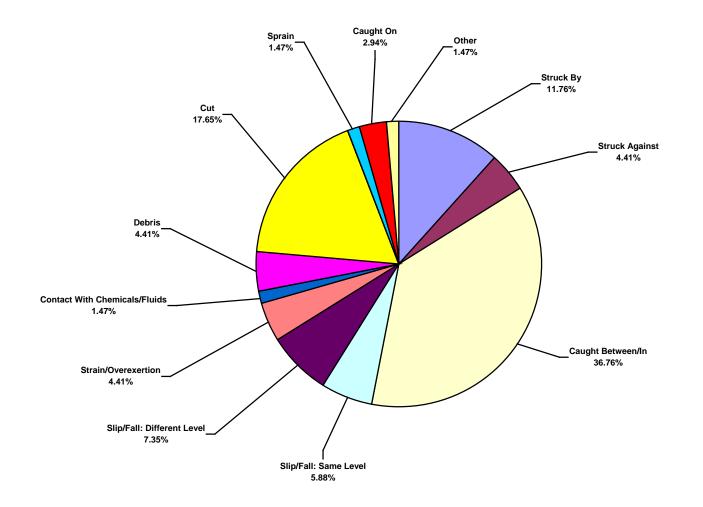


#### European Water Total Lost Time Incidents by Incident Type (Chart 7) Based on 17 Incidents





#### European Water Total Recordable Incidents by Incident Type (Chart 8) Based on 68 Incidents





#### **Rig Floor Winch/Deck Winch** (air/hydraulic) 5.88% Tongs 5.88% Iron Roughneck, Pipe Spinner, etc. 17.65% Decks (grating, walkway) 29.41% Pipes/Collars/Tubulars/Csg. 5.88% Slings (rope, cable, chain, web) 5.88% Crane Engines/Pumps/Machinery 5.88% 5.88% Trans.-Boat 5.88% BOP Stack (well head, tree) Material 5.88% 5.88%

#### European Water Total Lost Time Incidents by Equipment (Chart 9) Based on 17 Incidents

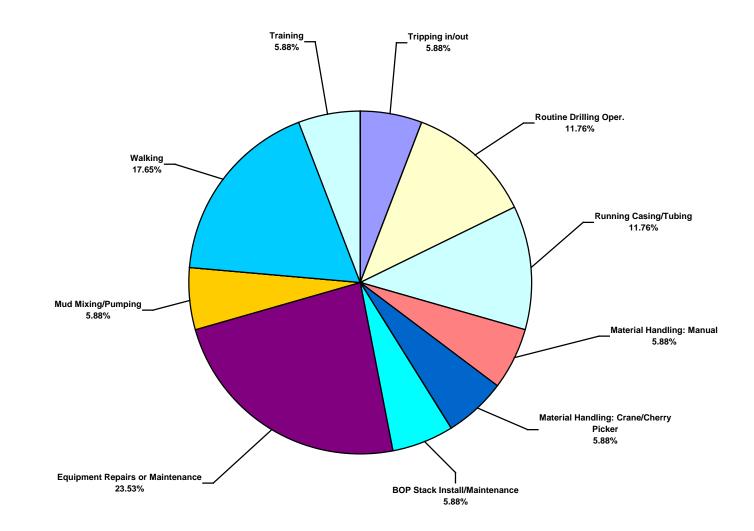


#### **Rig Floor Winch/Deck Winch** Boat Cargo (skids, tubulars, (air/hydraulic) containers, etc.) 2.94% Tongs 1.47% 1.47% Iron Roughneck, Pipe Spinner, etc. Chemicals (sack, drum, pail, bulk 4.41% hopper) 2.94% Rotary 1.47% Pipes/Collars/Tubulars/Csg. Welding, Cutting, Grinding 11.76% Equipment 2.94% Cathead/Drawworks 1.47% Decks (grating, walkway) 13.24% Ladders 1.47% Slings (rope, cable, chain, web) 2.94% Forklift 1.47% Hand Tools: Manual 8.82% Crane 2.94% Hand Tools: Power Pressure Hoses/Lines 4.41% 2.94% Material Engines/Pumps/Machinery 11.76% Boat Stairs . 1.47% BOP Stack (well head, tree) 5.88% 2.94%

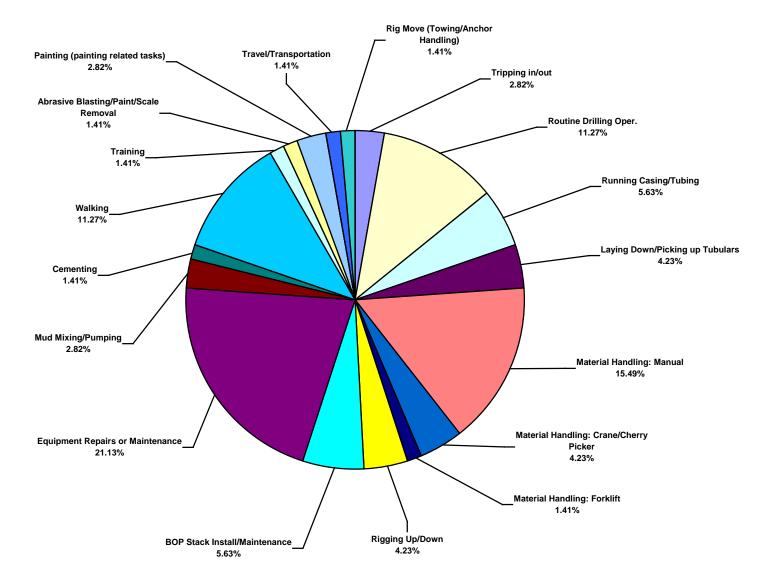
#### European Water Total Recordable Incidents by Equipment (Chart 10) Based on 69 Incidents



#### European Water Total Lost Time Incidents by Operation (Chart 11) Based on 17 Incidents







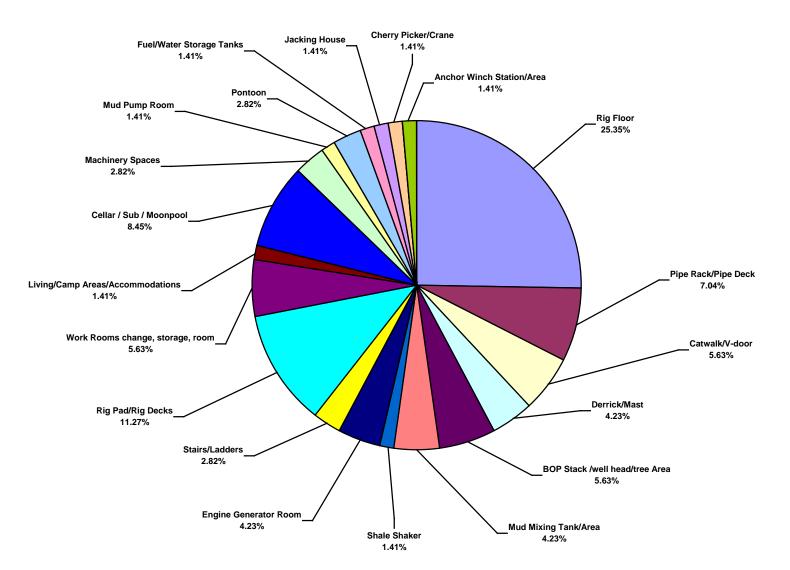
#### European Water Total Recordable Incidents by Operation (Chart 12) Based on 71 Incidents



### Cherry Picker/Crane 5.88% Cellar / Sub / Moonpool 17.65% Rig Floor 35.29% Rig Pad/Rig Decks 11.76% Shale Shaker Pipe Rack/Pipe Deck 5.88% 11.76% Catwalk/V-door 5.88% Derrick/Mast 5.88%

#### European Water Total Lost Time Incidents by Location (Chart 13) Based on 17 Incidents

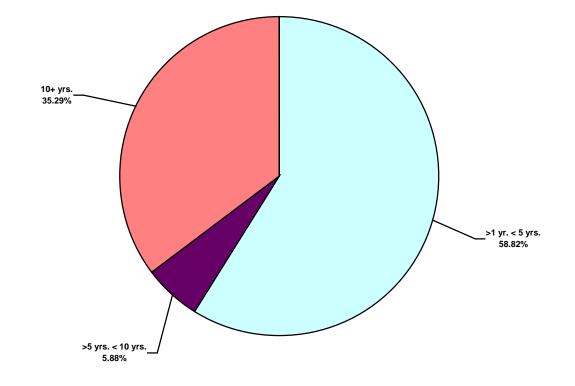




#### European Water Total Recordable Incidents by Location (Chart 14) Based on 71 Incidents

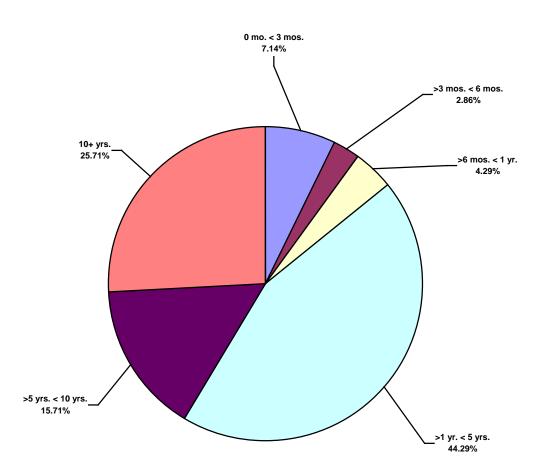


#### European Water Total Lost Time Incidents by Time in Service (Chart 15) Based on 17 Incidents



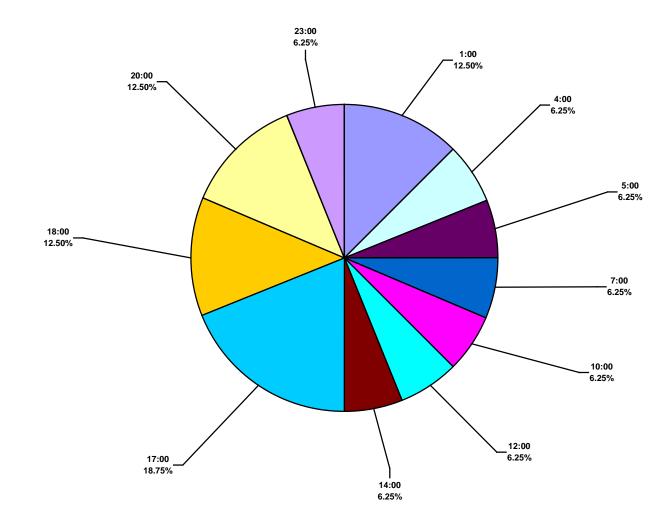


#### European Water Total Recordable Incidents by Time in Service (Chart 16) Based on 70 Incidents

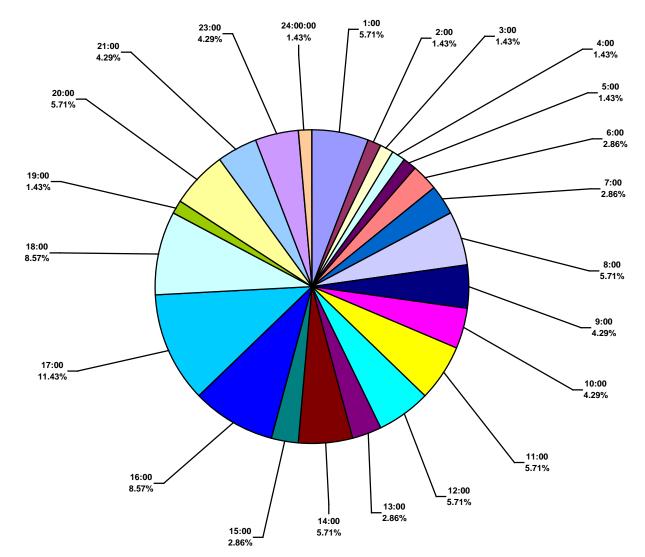




#### European Water Total Lost Time Incidents by Time of Day (Chart 17) Based on 16 Incidents



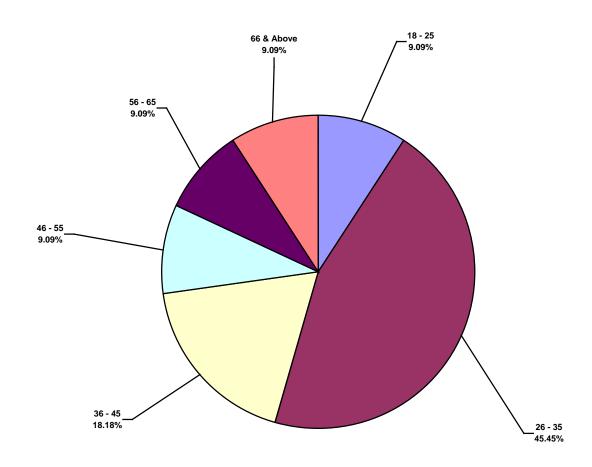




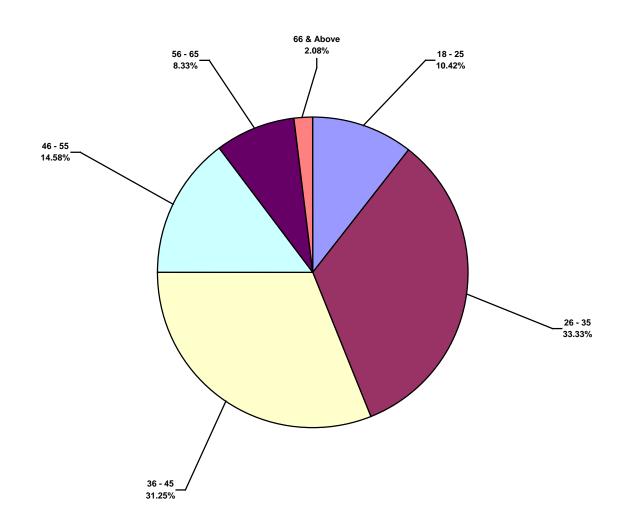
#### European Water Total Recordable Incidents by Time of Day (Chart 18) Based on 70 Incidents



#### European Water Total Lost Time Incidents by Age (Chart 19) Based on 11 Incidents







#### European Water Total Recordable Incidents by Age (Chart 20) Based on 48 Incidents