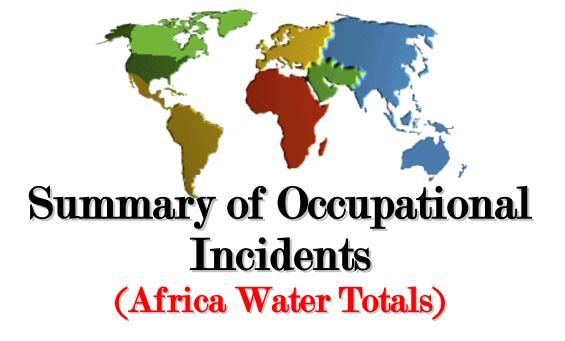


IADC ISP PROGRAM

2013



Issued 20 May 2014

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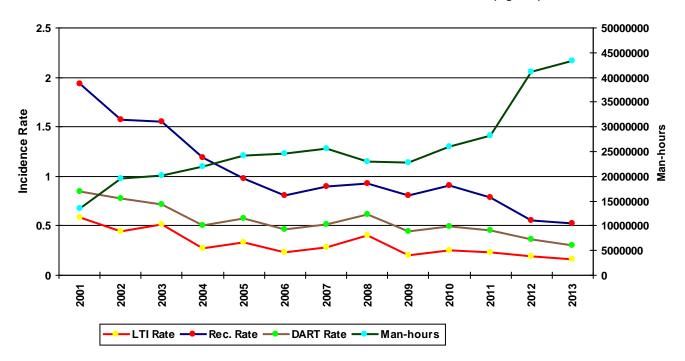
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IADC 2013 Africa Water Totals (Table 1)

	<u>Totals</u>
Total Manhours	43,377,983
Total Medical Treatment Incidents	49
Total Restricted Work Incidents	29
Total Lost Time Incidents	32
Total Fatalities	3
Total Recordables	113
MTO Incidence Rate	0.23
RWC Incidence Rate	0.13
LTI Incidence Rate	0.16
LTI Frequency Rate	0.81
DART Incidence Rate	0.30
DART Frequency Rate	1.48
Recordable Incidence Rate	0.52
Recordable Frequency Rate	2.61

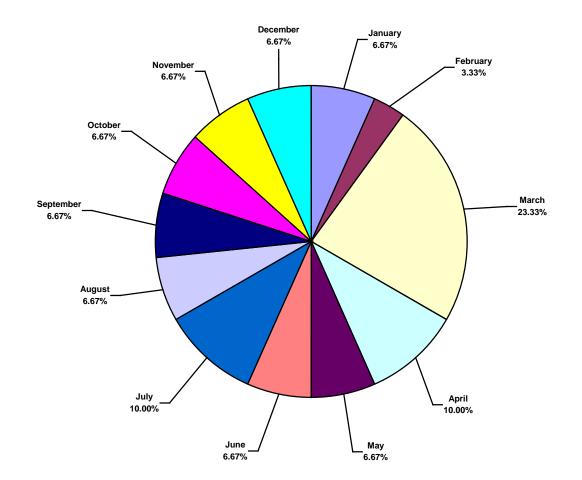
MEDICAL TREATMENT INCIDENCE RATE = MTOS X 200,000 / MANHOURS (LTIS NOT INCLUDED) RESTRICTED WORK INCIDENCE RATE = RWCS X 200,000 / MANHOURS (LTIS NOT INCLUDED) LOST TIME INCIDENCE RATE - (LTIS+FTLS) X 200,000 / MANHOURS LOST TIME FREQUENCY RATE = (LTIS+FTLS) X 1,000,000 / MANHOURS DART INCIDENCE RATE - (LTIS+FTLS+RWCS) X 200,000 / MANHOURS DART INCIDENCE RATE - (LTIS+FTLS+RWCS) X 1,000,000 / MANHOURS RECORDABLE INCIDENCE RATE = RECORDABLES X 200,000 / MANHOURS RECORDABLE FREQUENCY RATE = RECORDABLES X 1,000,000 / MANHOURS RECORDABLE FREQUENCY RATE = RECORDABLES X 1,000,000 / MANHOURS RECORDABLE FREQUENCY RATE = RECORDABLES X 1,000,000 / MANHOURS



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

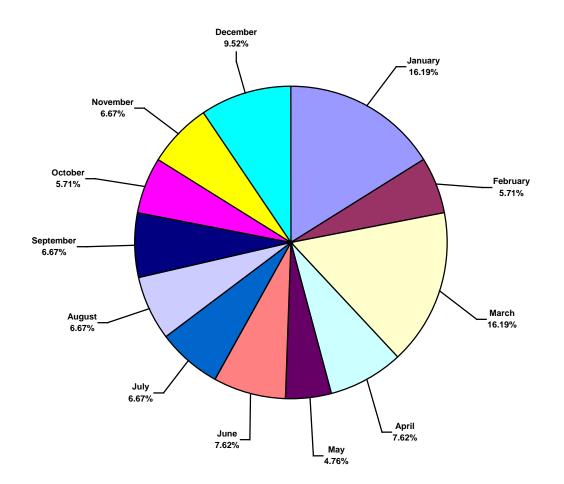


IADC 2013 Africa Water Charts Africa Water Total Lost Time Incidents by Month (Chart 1) Based on 30 Incidents



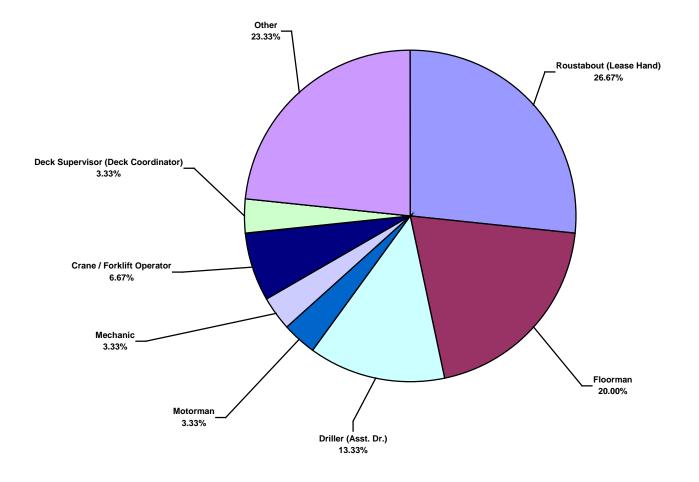


Africa Water Total Recordable Incidents by Month (Chart 2) Based on 105 Incidents





Africa Water Total Lost Time Incidents by Occupation (Chart 3) Based on 30 Incidents



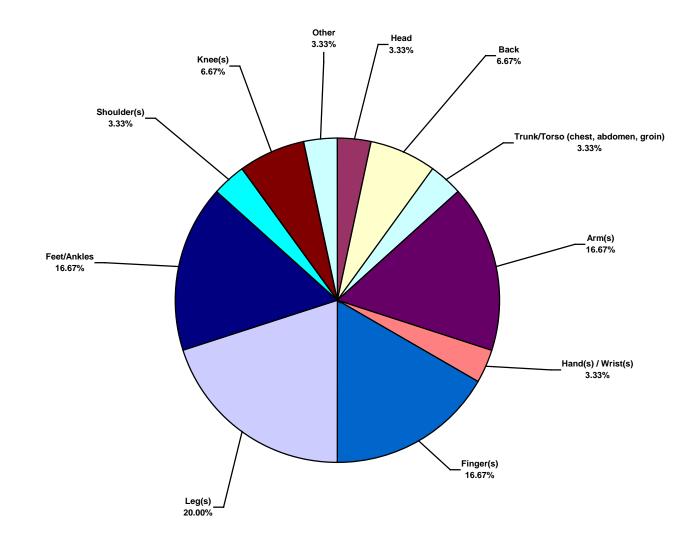


Roustabout (Lease Hand) 18.10% Other 24.76% Marine Crew 0.95% Subsea Engineer 2.86% Deck Supervisor (Deck Coordinator) 0.95% Floorman 10.48% **Catering / Camp Personnel** 2.86% Derrickman 2.86% Welder 1.90% Superintendent/other Supervisors Driller (Asst. Dr.) 0.95% 12.38% Barge Engineer/Ballast Control Op. 0.95% Motorman Crane / Forklift Operator 2.86% 1.90% Mechanic Electrician 9.52% 5.71%

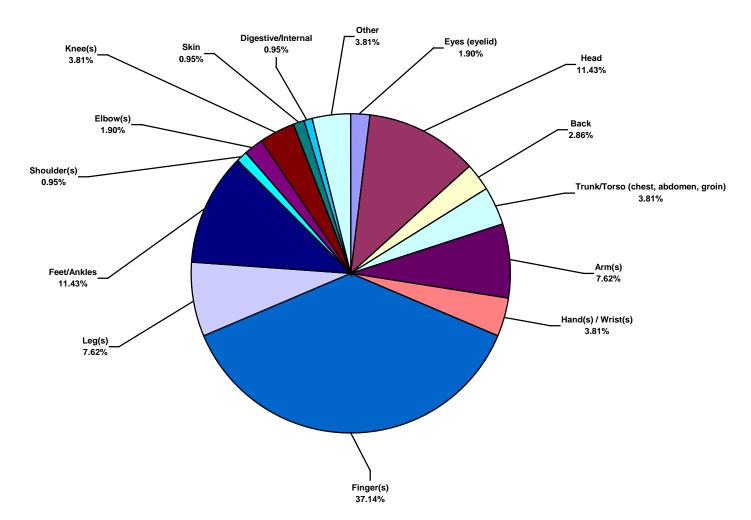
Africa Water Total Recordable Incidents by Occupation (Chart 4) Based on 105 Incidents



Africa Water Total Lost Time Incidents by Body Part (Chart 5) Based on 30 Incidents

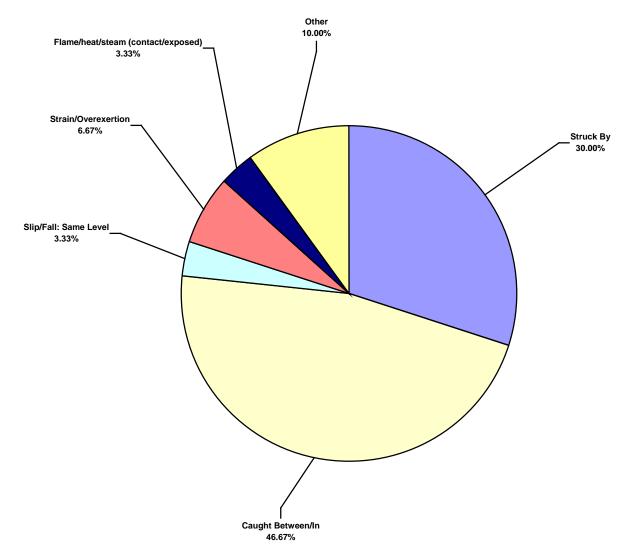






Africa Water Total Recordable Incidents by Body Part (Chart 6) Based on 105 Incidents

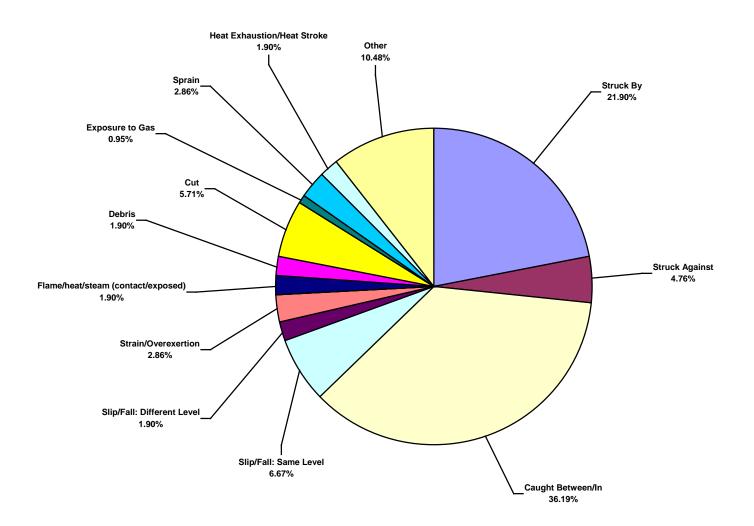




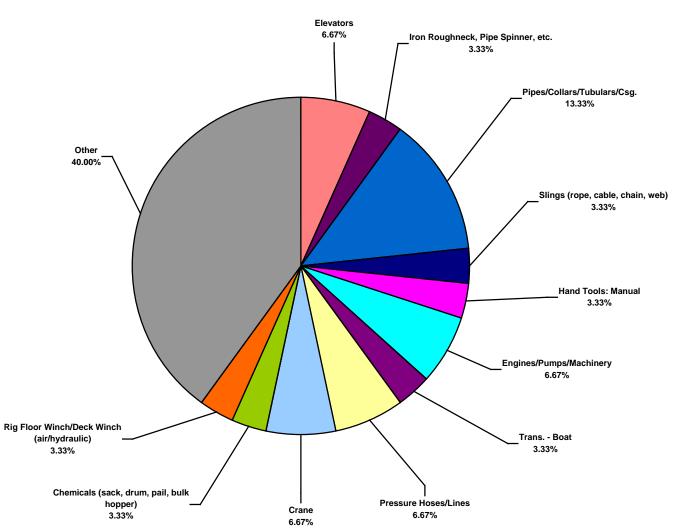
Africa Water Total Lost Time Incidents by Incident Type (Chart 7) Based on 30 Incidents



Africa Water Total Recordable Incidents by Incident Type (Chart 8) Based on 105 Incidents







Africa Water Total Lost Time Incidents by Equipment (Chart 9) Based on 30 Incidents

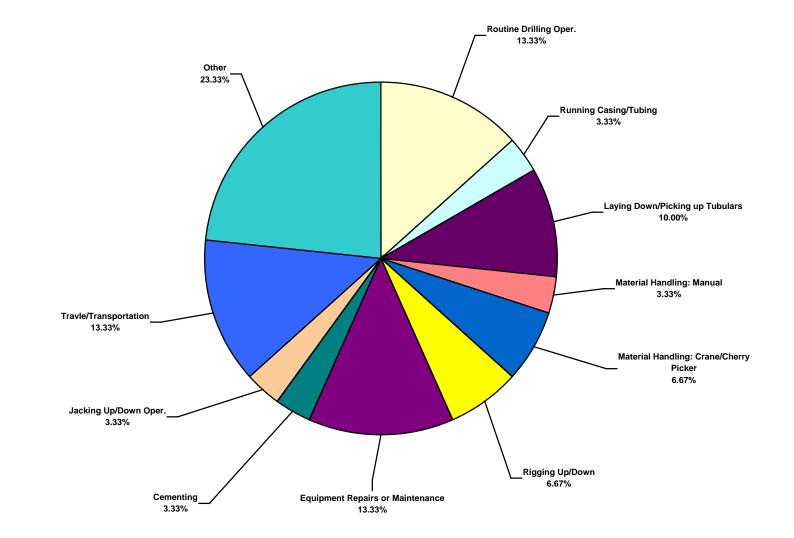


Iron Roughneck, Pipe Spinner, etc. 1.90% Elevators Rotary 4.76% 0.95% Pipes/Collars/Tubulars/Csg. 5.71% Slings (rope, cable, chain, web) 3.81% Other 37.14% Hand Tools: Manual 5.71% Hand Tools: Power 4.76% Engines/Pumps/Machinery . 5.71% Boat Cargo (skids, tubulars, containers, etc.) Boat 2.86% 1.90% **Rig Floor Winch/Deck Winch** BOP Stack (well head, tree) (air/hydraulic) 0.95% 0.95% Chemicals (sack, drum, pail, bulk hopper) 3.81% Pressure Hoses/Lines 5.71% Welding, Cutting, Grinding Crane Equipment Ladders Decks (grating, walkway) 3.81% 1.90% 0.95% 6.67%

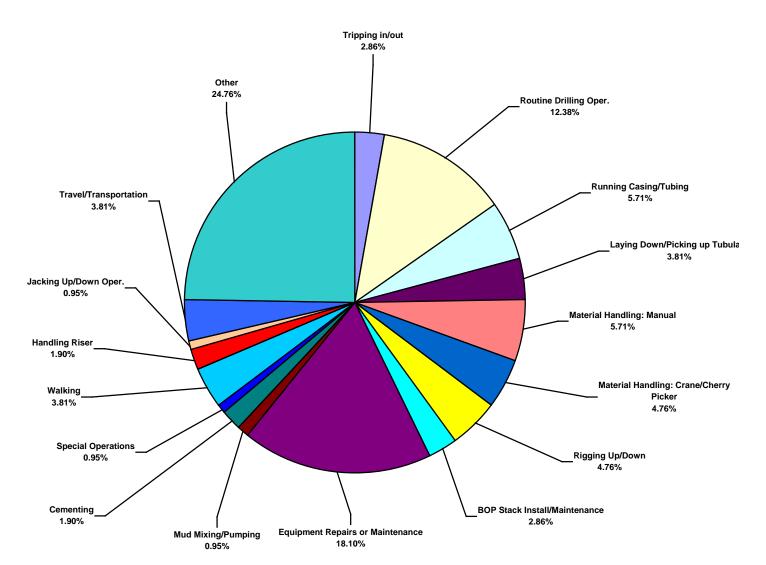
Africa Water Total Recordable Incidents by Equipment (Chart 10) Based on 105 Incidents



Africa Water Total Lost Time Incidents by Operation (Chart 11) Based on 30 Incidents

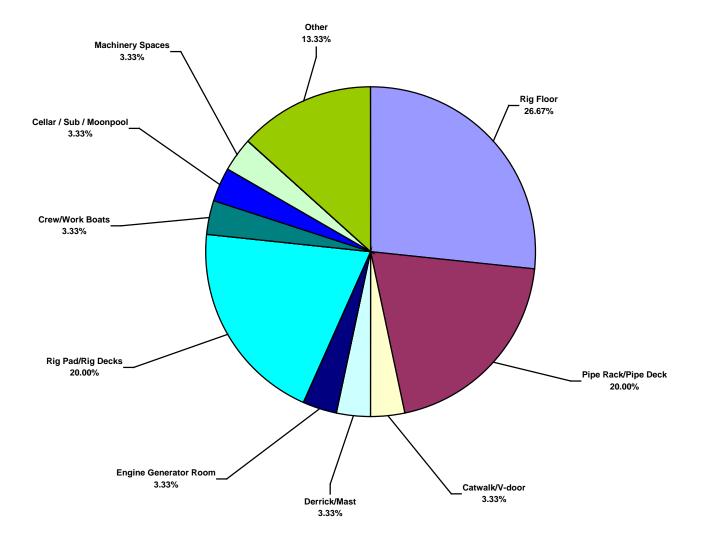






Africa Water Total Recordable Incidents by Operation (Chart 12) Based on 105 Incidents





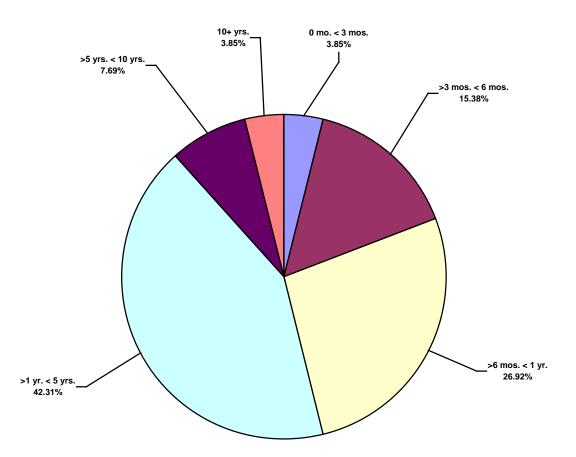
Africa Water Total Lost Time Incidents by Location (Chart 13) Based on 30 Incidents



Other 19.05% Cherry Picker/Crane Rig Floor 27.62% 0.95% Mud Pump Room 4.76% Machinery Spaces 1.90% Pipe Rack/Pipe Deck 6.67% Cellar / Sub / Moonpool Catwalk/V-door 3.81% 1.90% Crew/Work Boats Derrick/Mast 0.95% 1.90% BOP Stack /well head/tree Area 0.95% Living/Camp Areas/Accommodations 1.90% Mud Mixing Tank/Area 0.95% Work Rooms change, storage, room 0.95% Shale Shaker Mud Pits/Tanks 0.95% Rig Pad/Rig Decks 11.43% 0.95% SCR/Electrical Room 3.81% Stairs/Ladders **Engine Generator Room** 0.95% 7.62%

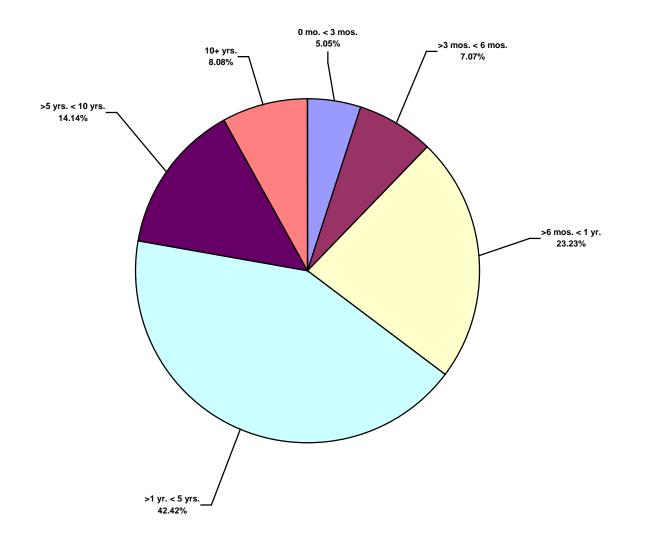
Africa Water Total Recordable Incidents by Location (Chart 14) Based on 105 Incidents





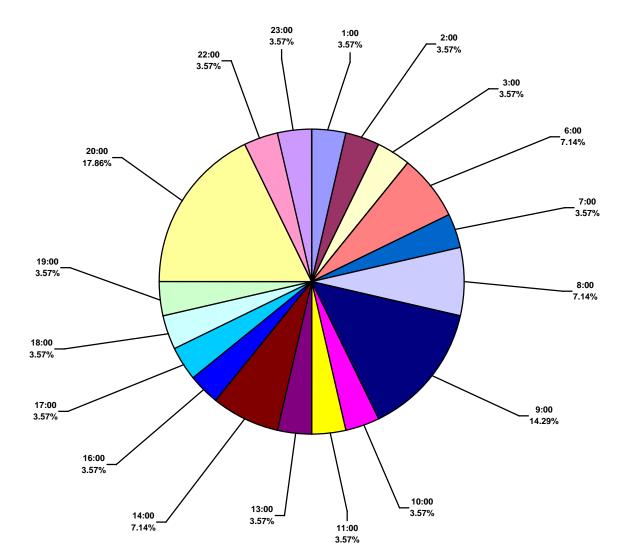
Africa Water Total Lost Time Incidents by Time in Service (Chart 15) Based on 26 Incidents





Africa Water Total Recordable Incidents by Time in Service (Chart 16) Based on 99 Incidents





Africa Water Total Lost Time Incidents by Time of Day (Chart 17) Based on 28 Incidents



23:00 22:00 2:00 3:00 0.97% 1:00 1.94% 2.91% 1.94% 2.91% 21:00 4:00 0.97% 1.94% 5:00 3.88% 20:00 10.68% 6:00 2.91% 7:00 5.83% 19:00 4.85% 8:00 18:00 4.85% 5.83% 17:00 9:00 4.85% 5.83% 16:00 1.94% 15:00 3.88% 10:00 6.80% 14:00 4.85% 13:00 11:00 5.83% 6.80% 12:00 6.80%

Africa Water Total Recordable Incidents by Time of Day (Chart 18) Based on 103 Incidents