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# Accident and Incident Database

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- Founded at James Madison University in 1996
- Operates through partnerships with nongovernmental organizations and government agencies in the U.S. and other countries
- Majority of funding is through external grants



# Accident and Incident Database (AID)

- Accident and Incident Database housed at CISR since 2018
- Formerly known as the Database of Demining Accidents
- Founded by Andy Smith in the early 2000s and maintained by him until moving to CISR.

# Data Collection for AID

## Accident/Incident report format

### 1. General details

<b>Accident date:</b>	<i>[Date on which the accident occurred.]</i>	<b>Accident time:</b>	<i>[Time of day that the accident occurred]</i>
<b>Investigators:</b>	<i>[Names of those who wrote the accident investigation]</i>	<b>Date of main report:</b>	<i>[The date on which the report was completed.]</i>
<b>Date of investigators visiting accident site:</b>	<i>[The date(s) when the investigators visited the accident site.]</i>	<b>Time spent at accident site:</b>	<i>[The total time spent by investigators at the accident worksite.]</i>
<b>Accident report number:</b>	<i>[a unique number for this accident, usually assigned by management/IMSMA]</i>	<b>Where it occurred:</b>	<i>[The address of the worksite where the accident occurred]</i>
<b>Name of demining organisation:</b>	<i>[The name of the demining organisation working at the accident worksite.]</i>	<b>Mine/device:</b>	<i>[The name of the mine or ERW involved in the accident.]</i>
<b>Ground condition:</b>	<i>[The ground conditions at the worksite where the accident occurred.]</i>	<b>Weather:</b>	<i>[The weather conditions at the worksite when the accident occurred.]</i>

### MAP details (coordinates of accident site, when available)

<b>Longitude:</b>		<b>Latitude:</b>	
<b>Alt. coord. system:</b>			
<b>Map east:</b>		<b>Map north:</b>	
<b>Map name:</b>		<b>Map series:</b>	
<b>Map edition:</b>		<b>Map sheet:</b>	

### Details of victim(s) and damage:

<b>Name:</b>		<b>Work title:</b>	
<b>Age:</b>		<b>Gender:</b>	
<b>PPE issued:</b>		<b>PPE used:</b>	
<b>Summary of injuries:</b>	<i>[List all injuries, including minor injuries.]</i>		
<b>Summary of Victim's work experience:</b>			
<b>Summary of damage to equipment:</b>	<i>[List all equipment damaged.]</i>		

### 2. Accident report

The purpose of the accident investigation is to establish in detail:

- what happened before, during and after the accident;
- why the accident happened; and
- whether anything can be done to minimize the risk of it happening again.

The following headings provide a guide for use when gathering information and evidence that will be used when compiling the full accident report:

#### 2.1 Description of the events surrounding the accident

A general summary of the events leading up to the accident or incident,

#### 2.2 History of the worksite

When the site was contaminated, why, by whom, and with what mines and ERW.

#### 2.3 Description of the worksite

Detailed description of the terrain of worksite where the accident or incident occurred: including photographs if available.

#### 2.4 Describe the clearance methods used at the site at the time of the accident

Summary of the procedures and tools being used at the worksite when the accident or incident occurred.

#### 2.5 Record the activity of each person involved at the time of accident

Describe what each person involved was doing at the time of the accident or incident.

#### 2.6 Record the procedures and equipment in use at the time of the accident

Describe the procedures and equipment that were being used when the accident or incident occurred.

#### 2.7 Describe the day's events at the worksite leading up to the accident

A summary of the work activity completed before the accident or incident on that day.

#### 2.8 Describe the events following the accident

How supervisors, medics and other involved responded to the accident or incident and timing of the medical response.

### 3. Statements

Statements from victim(s), site supervisors, deminers nearby, medical personnel and any individual who witnessed or was involved the accident or incident. Statements should be signed and dated by those interviewed and the translations attached to the Accident Report.

### 4. Investigator's summary

The investigators understanding of events that they believe closely represents what really happened before, during and after the accident or incident. All differing versions of the events should be recorded.

### 5. Investigator's recommendations

Recommended actions to reduce the likelihood of a similar accident or incident reoccurring, and/or to reduce the severity of injuries in similar accidents.

### 6. Appendices

[Photographs, sketch maps, site maps and any other documents of relevance should be appended to the report. A medical report for each victim should be included if possible.]

# AID on Access

Database: DDAS all Kosovo records (kosovoaccidents.mdb) Entry number: 00327

Incident/Accident | Victims | Other documents

Database title: **DDAS all Kosovo records**

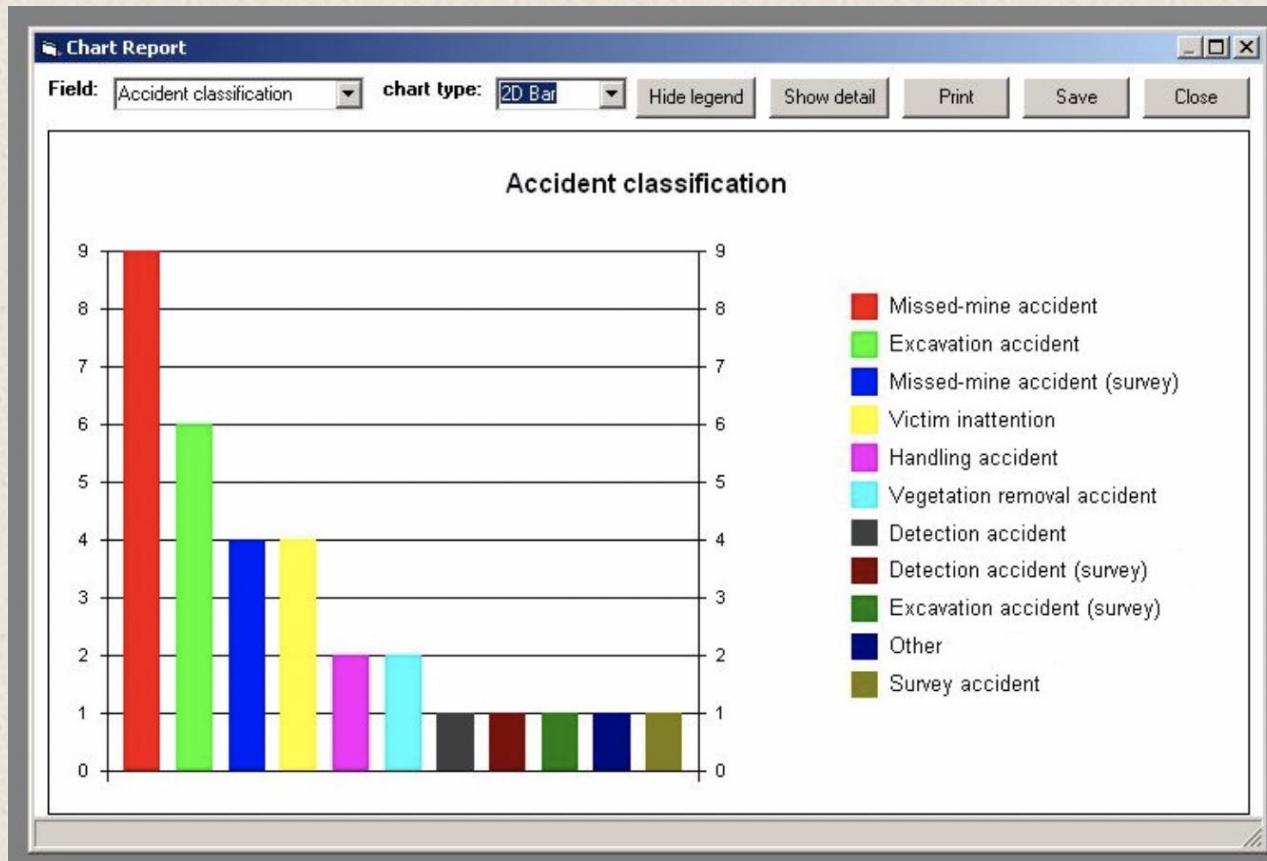
Time it occurred: 10:43	Date of main report: 18/04/2001
Date it occurred: 18/09/2000	ID from original source: MD/EW/LH/JF
Where it occurred: Morina village, MNB West, VJ MF 3501	Name of source: KMACC
Country: Kosovo	Organisation involved: HALO Trust
Map reference	Mine\device: PMA-2 AP blast <span>more..</span>
Accident class: Excavation accident	Ground condition
Primary cause (?): Field control inadequacy (?)	Incident/accident notes
Secondary cause (?): Inadequate training (?)	Incident/accident report
Date created: 20/02/2004	Last modified: 17/03/2004
No of victims: 1	No of documents: 4

Navigation: ⏪ ⏩ Incident/Accident 19 of 32

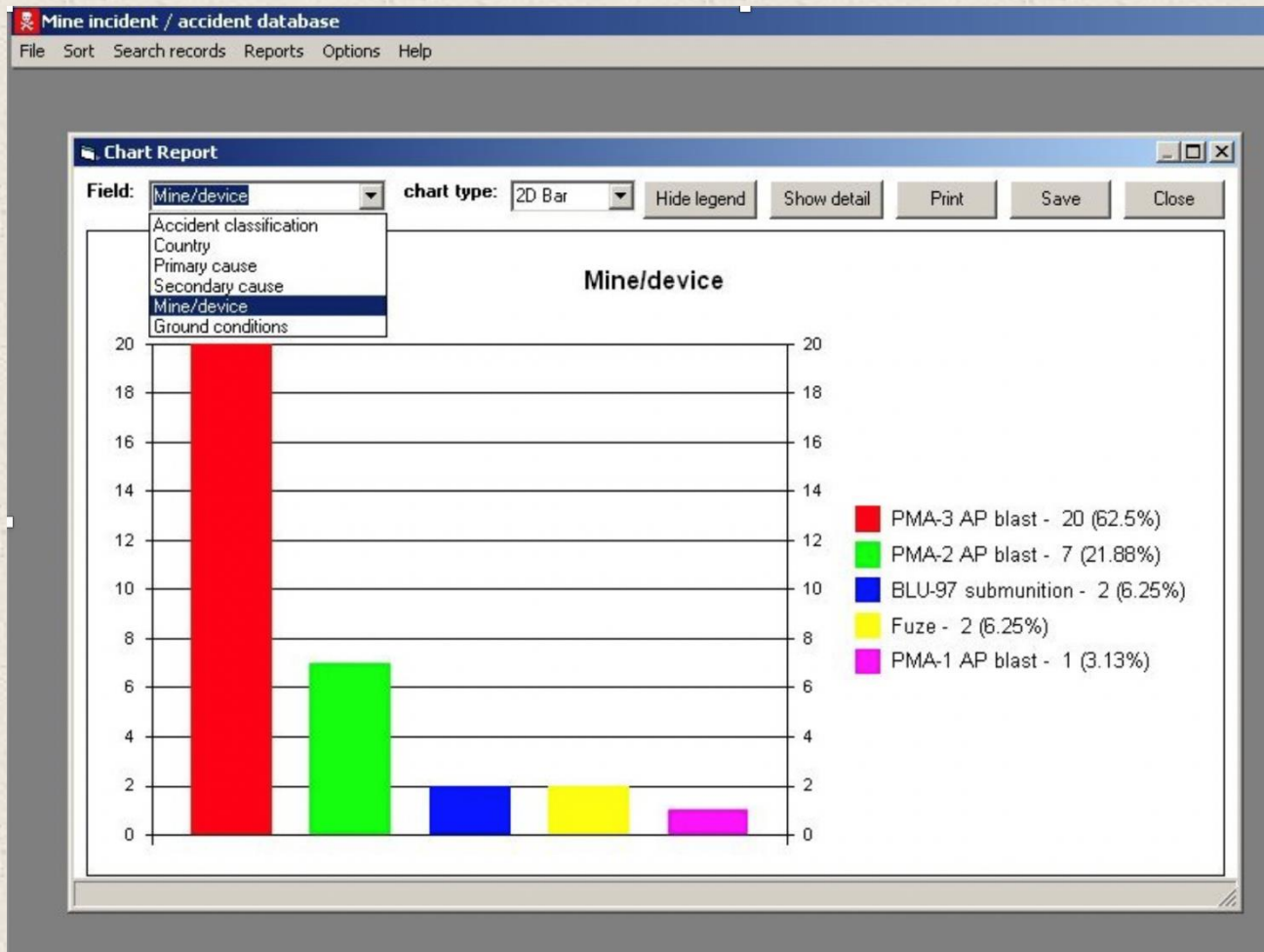
Buttons: Add new record | Delete current record | Close database

total number of victims in database: 38

# AID on Access



# AID on Access



# AID on the Repository



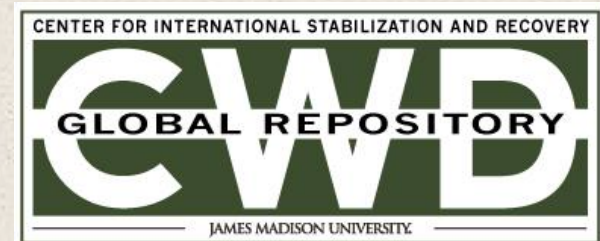
The screenshot displays the JMU Scholarly Commons website. At the top, the James Madison University logo is on the left, and the text "JMU SCHOLARLY COMMONS" and "A REPOSITORY SERVICE PROVIDED BY LIBRARIES & EDUCATIONAL TECHNOLOGIES" is on the right. Below this is a navigation bar with "Home", "About", "FAQ", and "My Account". The main content area features a breadcrumb trail: "Home > RCI > Center for International Stabilization and Recovery > Global CWD Repository". On the left sidebar, there are sections for "Search" (with a search box and "in this series" dropdown), "Browse" (with links for Collections, Disciplines, Authors, and SelectedWorks Gallery), "Author Corner" (with links for Author FAQ, Policies, and Submit Research), "Links" (with a link to the Center for International Stabilization and Recovery), and "Other JMU Repositories" (with a link for MDID). The main content area contains a large logo for the "CENTER FOR INTERNATIONAL STABILIZATION AND RECOVERY GLOBAL REPOSITORY" at "JAMES MADISON UNIVERSITY.". Below the logo is a paragraph describing the repository's establishment in 2018 and its purpose. A link to "Submit your materials to the repository here." is provided. Under "View Archives By Category:", there are links for "AID: Humanitarian Demining Accidents and Incidents Database", "Victim Assistance", "ERW Clearance", "Conventional Weapons Stockpile Destruction", "Advocacy and International Law", and "Centers and Organizations". At the bottom right, there is a "Jump to:" dropdown menu set to "2018".

<https://www.jmu.edu/cisr/research/cwd-repository.shtml>


# AID on the Repository

## The Global CWD Repository:

- Under the stewardship of JMU Libraries
- URLs will never change – links will never break
- Perpetual maintenance



# AID on the Repository



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## HUMANITARIAN DEMINING ACCIDENT AND INCIDENT DATABASE (AID)

The Humanitarian Demining Accident and Incident Database (AID) is based on the Database of Demining Accidents collected and contributed to the Global CWD Repository by Andy Smith, AVS, Mine Action Specialist, UK. This information is designed to allow you to read accident and incident reports and to download a range of documents related to accidents and incidents in non-conflict or post-conflict hazardous explosive survey and/or clearance operations. Names are removed from the reports but they are not censored or selected to fit any bias. No reports are added based on anecdote or hearsay. For this reason, very few records describe accidents involving serving military personnel because those accident reports are rarely made public.

Thanks to those who have written supporting this effort and, especially to those who have made accident or incident reports available. The privacy of individuals who make accident records available is always respected. To submit an accident or incident report to AID, please email: [cisr-reporting@jmu.edu](mailto:cisr-reporting@jmu.edu)

This database is organized and is searchable by **YEAR, COUNTRY, and ACTIVITY** (excavation, missed mine, handling, demolition, vegetation removal, mechanical excavation, survey, trip wire, victim initiation, other).

Return to the main Global CWD Repository page [here](#).

### Submissions from 2019

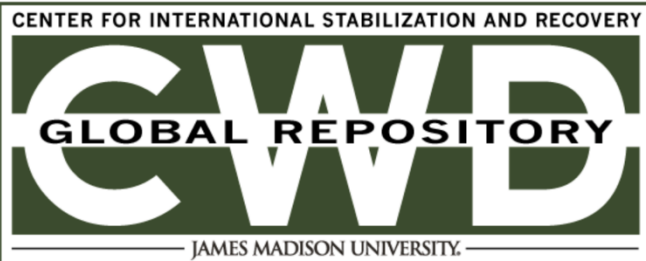
[PDF](#) [DDASaccident819](#), Humanitarian Demining Accident and Incident Database  
[PDF](#) [DDASaccident820](#), Humanitarian Demining Accident and Incident Database  
[PDF](#) [DDASaccident821](#), Humanitarian Demining Accident and Incident Database

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**DDASaccident819**

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**Document Type**  
Other

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**Publication Date**  
1-20-2019

**Keywords**  
DDAS, 2019, Yemen, handling, AT

**Abstract**  
The primary cause of this accident is listed as a 'Field control inadequacy' because the person in charge at the site had decided to move fuzed explosive hazards and did not enforce safety distances that would have reduced the casualty toll in the event of an accident.

The secondary cause is listed as 'Inadequate training', because, while all of the victims had extensive experience, it seems that their training had not prepared them to conduct this task safely.

It is surprising that five ex-pat specialists who had been supervising the teams of national deminers who found the mines should have been loading the trucks for transit

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# Accident and Incident Database (AID)

## DDAS Accident Report

### Accident details

Report date: 01/08/2006      Accident number: 429  
Accident time: Not recorded      Accident Date: 08/07/2003  
Where it occurred: Mowbr Al-Basara Army Supply Base, Basra      Country: Iraq  
Primary cause: Inadequate training (?)      Secondary cause: Management/control inadequacy (?)  
Class: Demolition accident      Date of main report: 29/07/2003  
ID original source: [Name removed]      Name of source: [Name removed]  
Organisation: [Name removed]  
Mine/device: Propellant      Ground condition: not applicable  
Date record created: 01/08/2006      Date last modified: 01/08/2006  
No of victims: 1      No of documents: 1

### Map details

Longitude:      Latitude:  
Alt. coord. system:      Coordinates fixed by:  
Map east: Long 47, 43', 35"      Map north: North Lat 30,26', 22"  
Map scale:      Map series:  
Map edition:      Map sheet:  
Map name:

### Accident Notes

inadequate training (?)  
no independent investigation available (?)  
protective equipment not worn (?)

### Accident report

A preliminary report was made available in 2005 and is reproduced below, edited for anonymity.

### PRELIMINARY INVESTIGATION REPORT 1

#### Incident:

On the morning 8rd July 2003, [Name excised 1] a Team Leader and Supervisor for [the Demining group] was taking part in a clearance operation with [Name excised 2] and

## Victim Report

Victim number: 572      Name: [Name removed]  
Age: 32      Gender: Male  
Status: supervisory      Fit for work: yes  
Compensation: Not made available      Time to hospital: Not recorded  
Protection issued: Not recorded      Protection used: None

### Summary of injuries:

#### INJURIES

minor Arm

minor Face

#### COMMENT

Propellant burns. See Medical report

### Medical report

#### Notes read:

Patient was exposed to flames of propellant burn causing 1st and 2nd degree burns involving Rt upper limb and the Rt side of the face and Rt ear, also the upper lip and eyebrows, nostrils"

"Burned by propellants – right arm and right side of face. Nasal hairs singed. Scores 6/10 out of 10 for pain on a scale of 1-10. Pain is increasing over time.

BP: 159/94". Other notes are in English but illegible.

In an exchange between the Victim's superiors it was noted that "All that was hurt was his pride. He will be on light duties 'till Thur." In the same exchange (08.07.2003 12:34) "The powder flashed and he received a burn to his lower right arm and right side of face. But they are not serious. Not even close to [the victim of Incident 426]'s. He was taken to BMH dressed and released."

### Analysis

The primary cause of this accident is listed as "*Inadequate training*" because the internal investigation identified the Victim's lack of experience as a cause. The fact that he was repeating an accident that he had attended at the same place only six days earlier indicates that he lacked enough experience to learn from the earlier event. [See accident 426.] The secondary cause is listed as a "*Management Control Inadequacy*" because the demining group allowed the Victim to be given tasks for which he was not suitably qualified and/or experienced.

The internal investigation was thorough and blunt in its analysis, demonstrating the demining group's professionalism. It is regretted that the national MAC did not make its own investigation.

# Accident and Incident Database (AID)

## **PROS to the AID:**

- Research aid for lessons learned
- Current usage stats
- Easily accessible online via CWD Repository
- Permanent maintenance by JMU Library
- Off-the-shelf software for database

# Accident and Incident Database (AID)

## Cons to the AID:

- Online dataset has limited search – Access database search requires request
- Microsoft Access is a beast
- Visual Basic interface is outdated
- No buy-in from HMA community

# Accident and Incident Database (AID)

- IMAS 10.60 revisions will likely develop accident and incident reporting standards
- Need organizations to participate - development of reporting requirements
- What information is of value to YOU?

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