

# 2023 PROFESSIONAL ENGINEERS CONFERENCE



## Division of Mine Safety

2022 & 2023 Q1 UPDATES

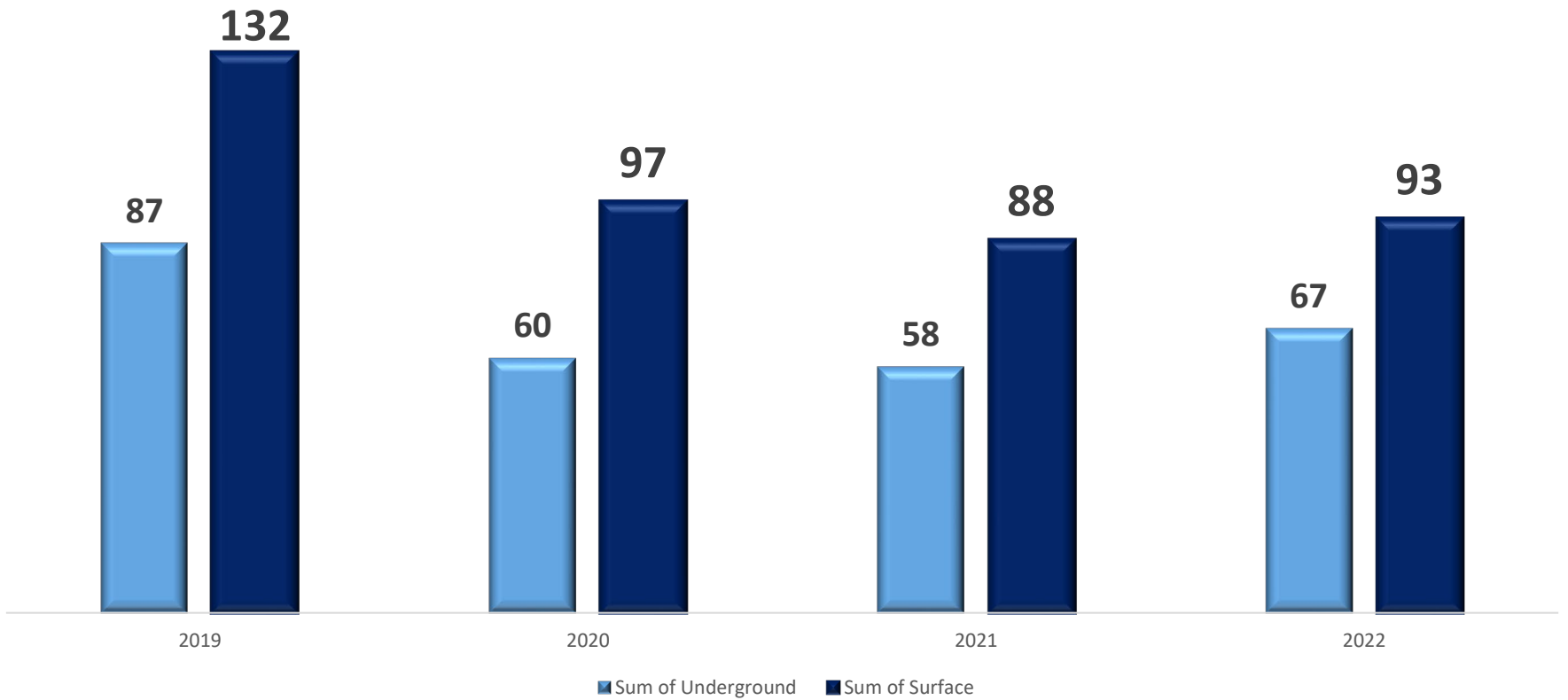
TIMOTHY FUGATE - DIRECTOR

# **STATE OF THE INDUSTRY**

## **KENTUCKY**

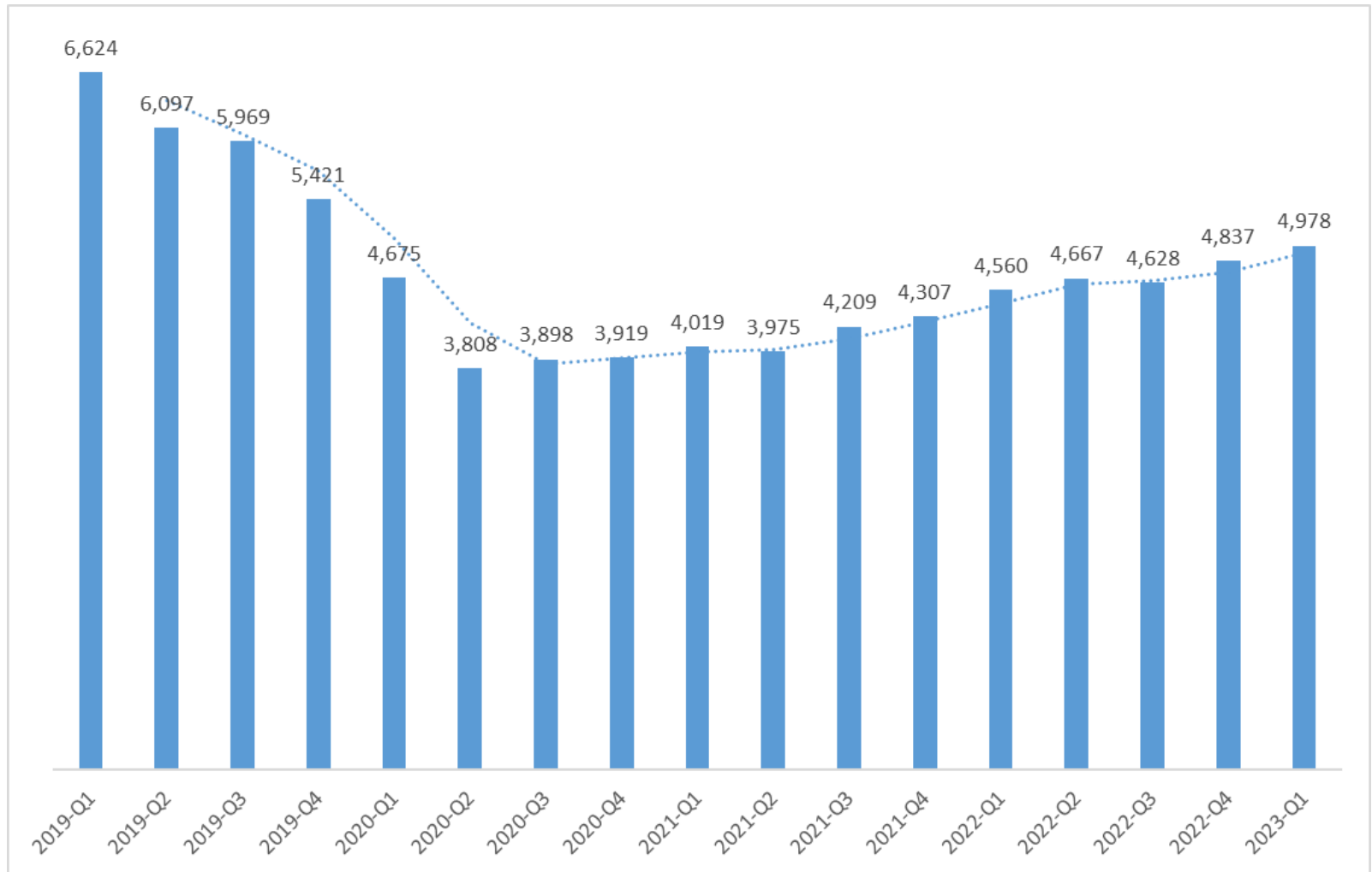
# Mine License by Year

---



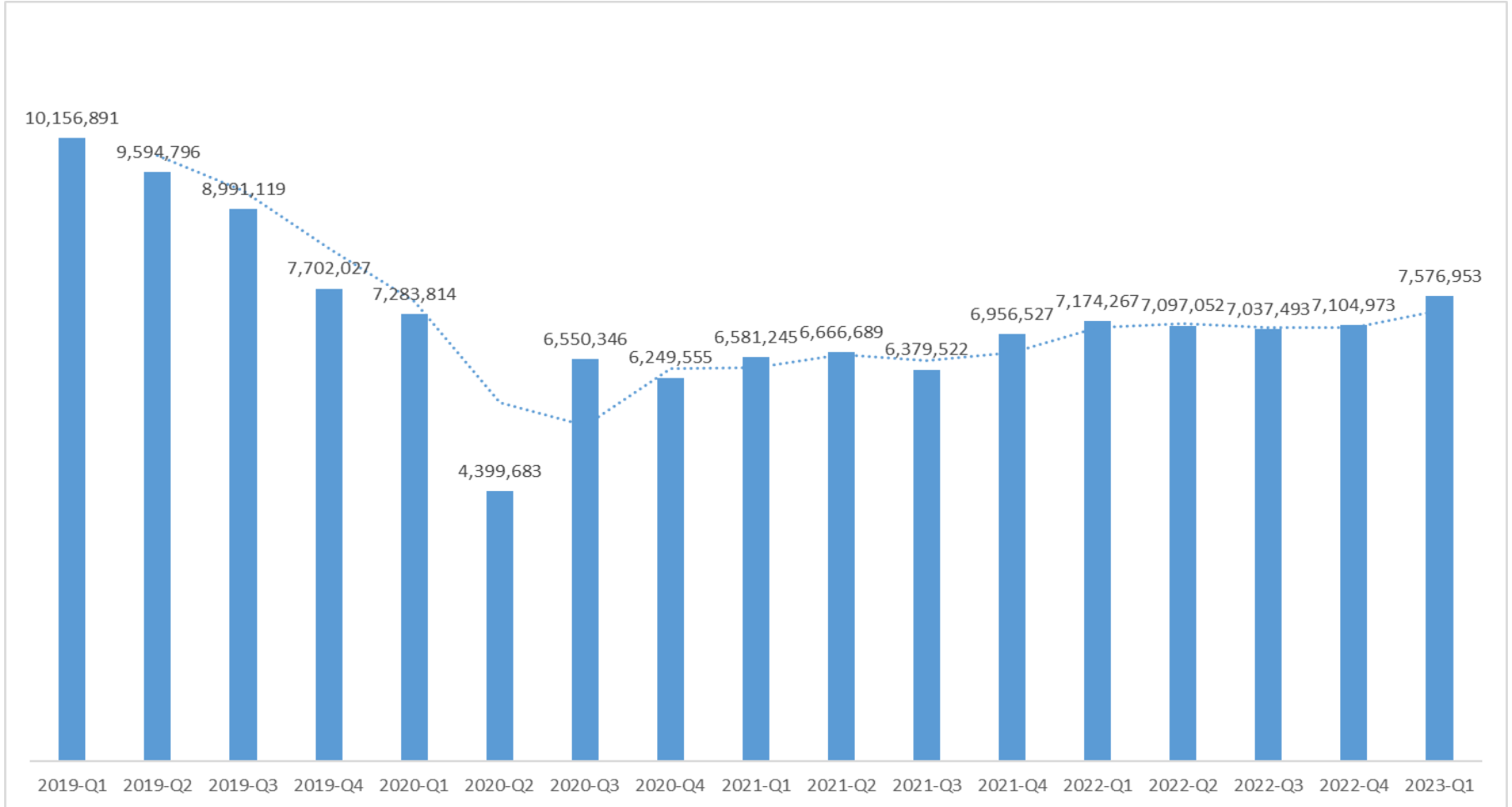
# Quarterly Employment

---



# Quarterly Production

---



# Division of Mine Safety

---

Free Training Center

Unbiased Safety Department

Mine Rescue Resource

# **DIVISION OF MINE SAFETY**

## **METRICS**

# Underground Citations Issued

---

- 1) Electrical
- 2) Roof Control
- 3) Rock Dusting
- 4) Training
- 5) Ventilation



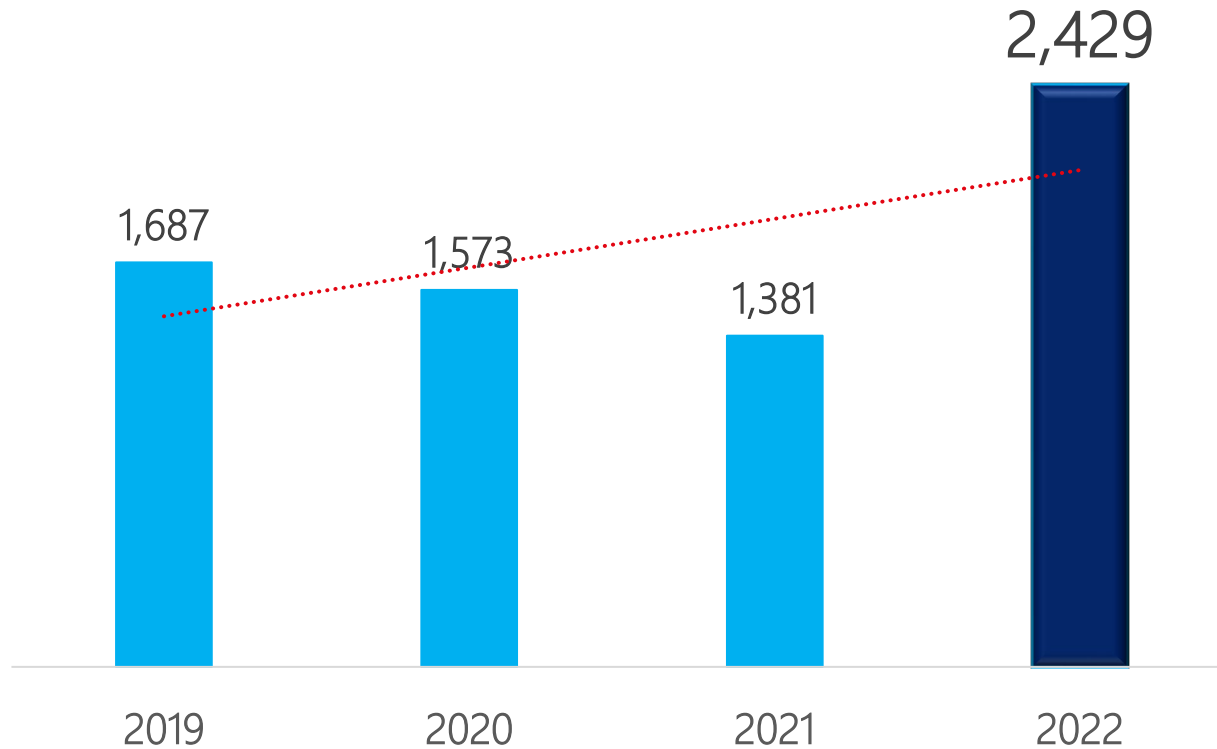
# Surface Citations Issued

---

- 1) Loading Hauling & Dumping
- 2) Fire Prevention & Control
- 3) Restrictions on Work Where Hazardous Conditions Exist
- 4) Electrical Highwall Equipment
- 5) Equipment Use & Operation

# Certifications Issued

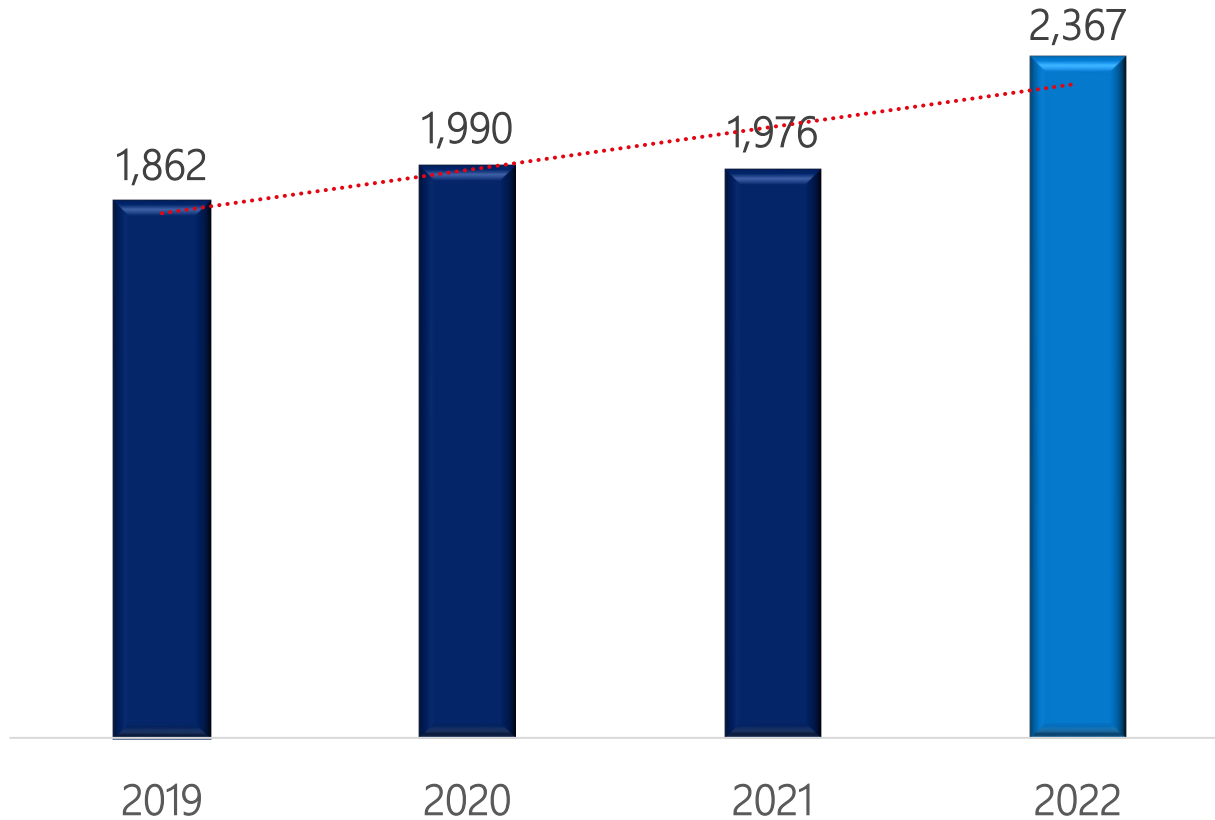
---



# Mine Safety Analysis

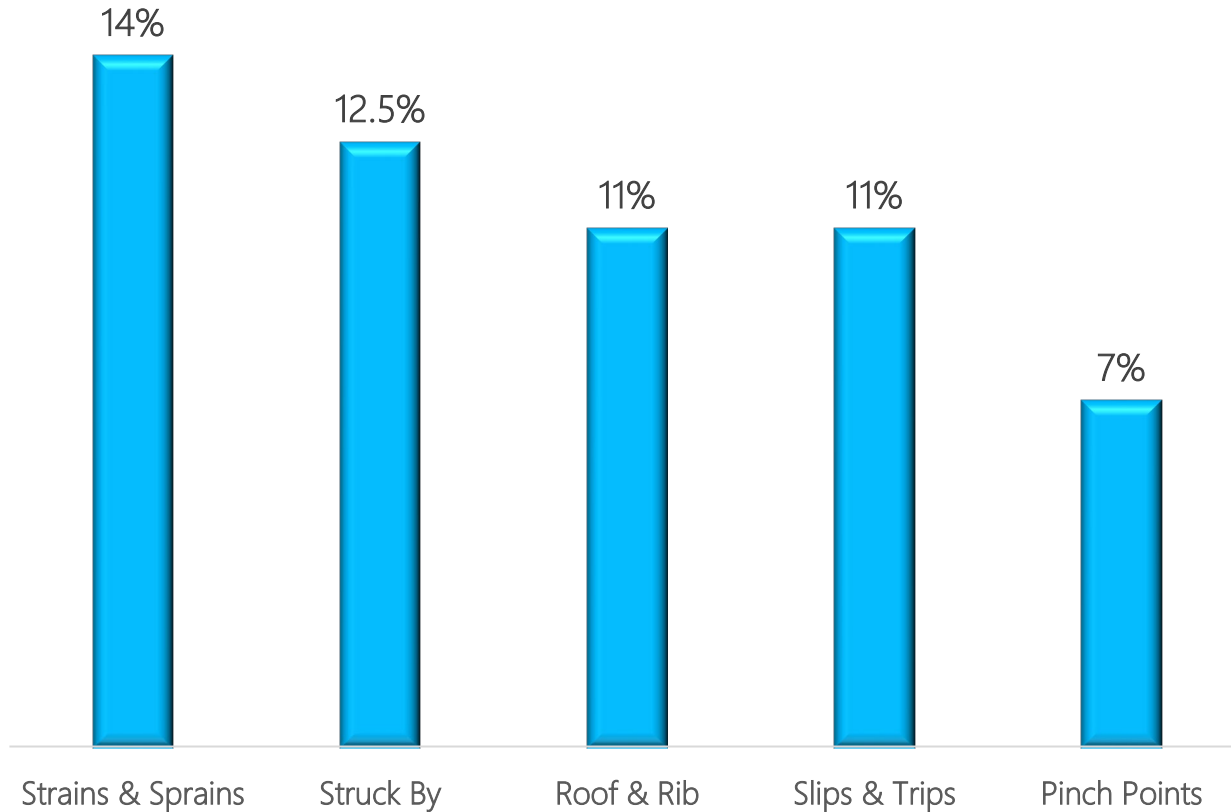
## Observations Conducted

---



# Occupational Injuries

---



# Underground Injuries

---

- 1) Double-Head Roof Bolter Operator
- 2) Scoop Operator
- 3) Shuttle Car Operator
- 4) Single-Head Roof Bolter Operator
- 5) Continuous Miner Operator

# Surface Injuries

---

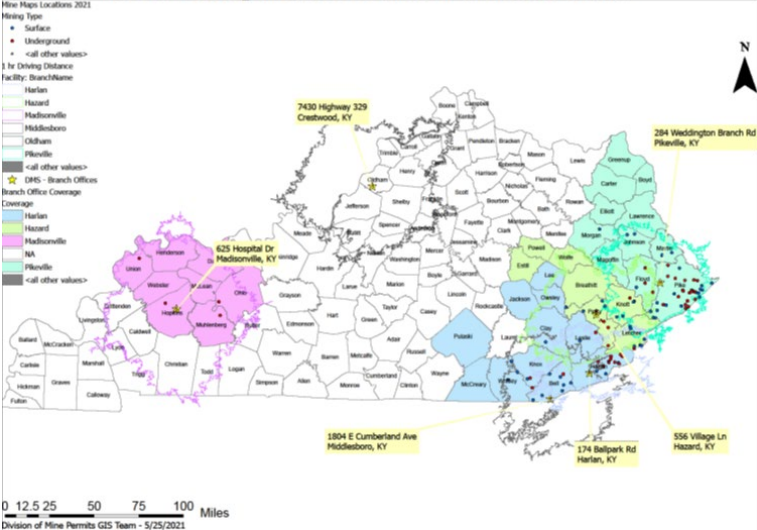
- 1) Frontend Loader Operator
- 2) Haul Truck Operator
- 3) Backhoe Operator
- 4) Dozer Operator
- 5) Highwall Miner

# **MINE RESCUE**

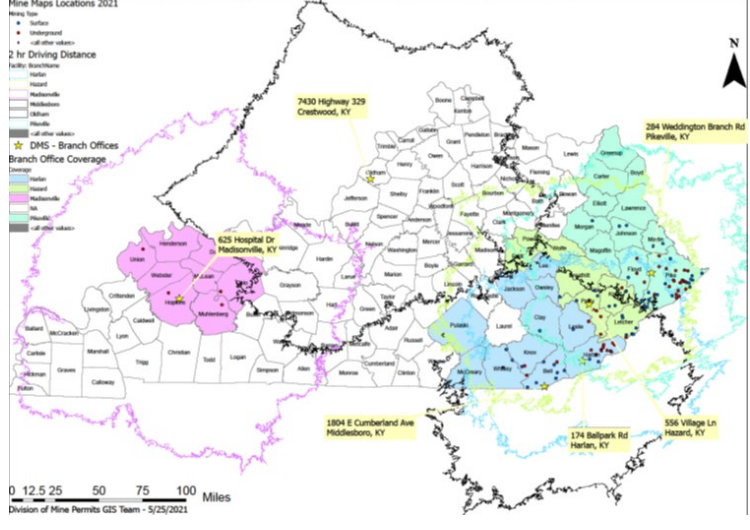
**DIVISION OF MINE SAFETY**

# MINE RESCUE STATION COVERAGE 1 & 2 HOUR MAPS

1 Hour Driving Boundaries from DMS Branch Offices



2 Hour Driving Boundaries from DMS Branch Offices





# Fatality Overview

---

## 2022 Fatality No.1

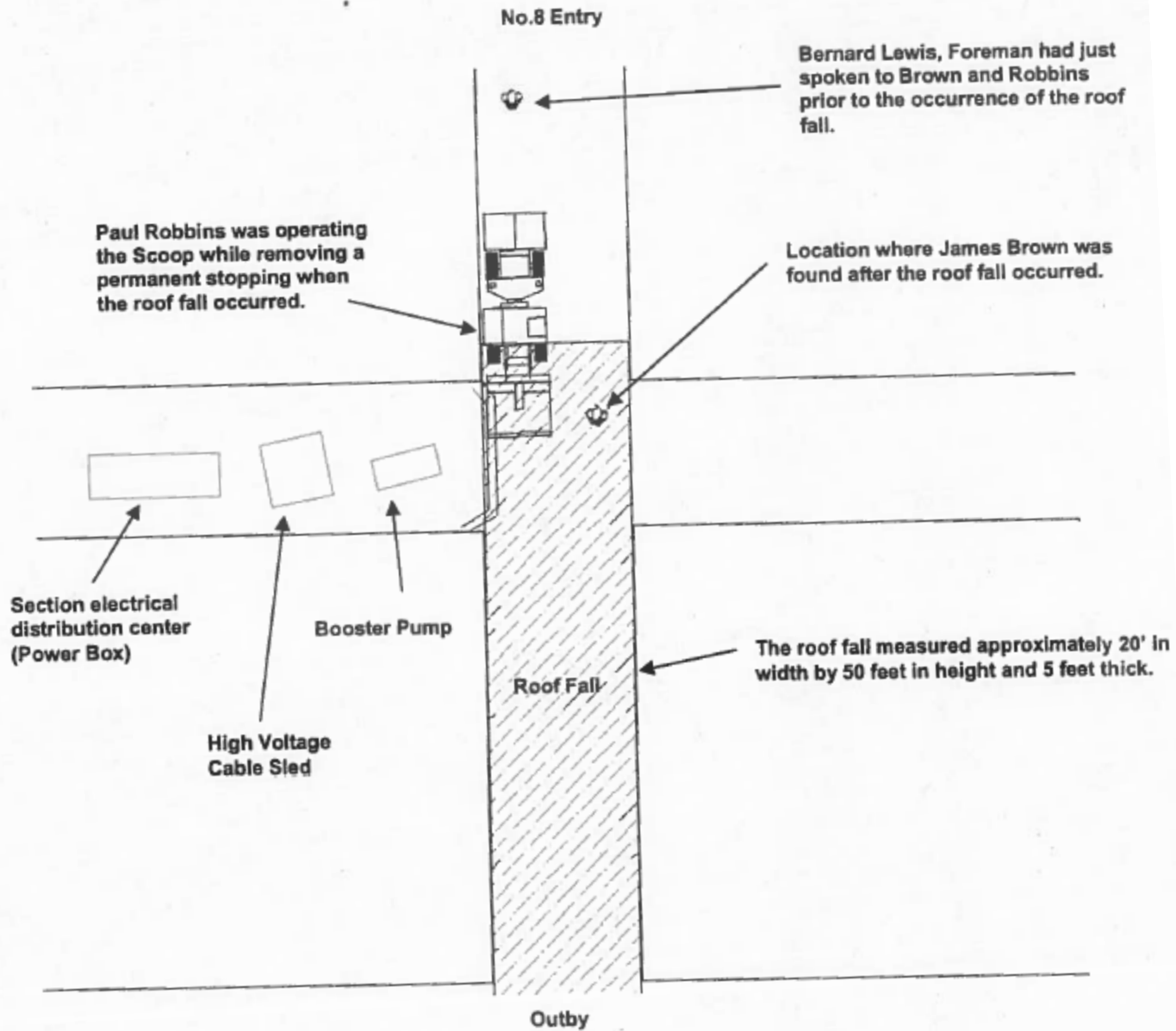
January 11, 2022, a 32-year-old surface miner was fatally injured when a tree from the adjacent highwall struck the pickup truck he was driving while he was passing through the area.

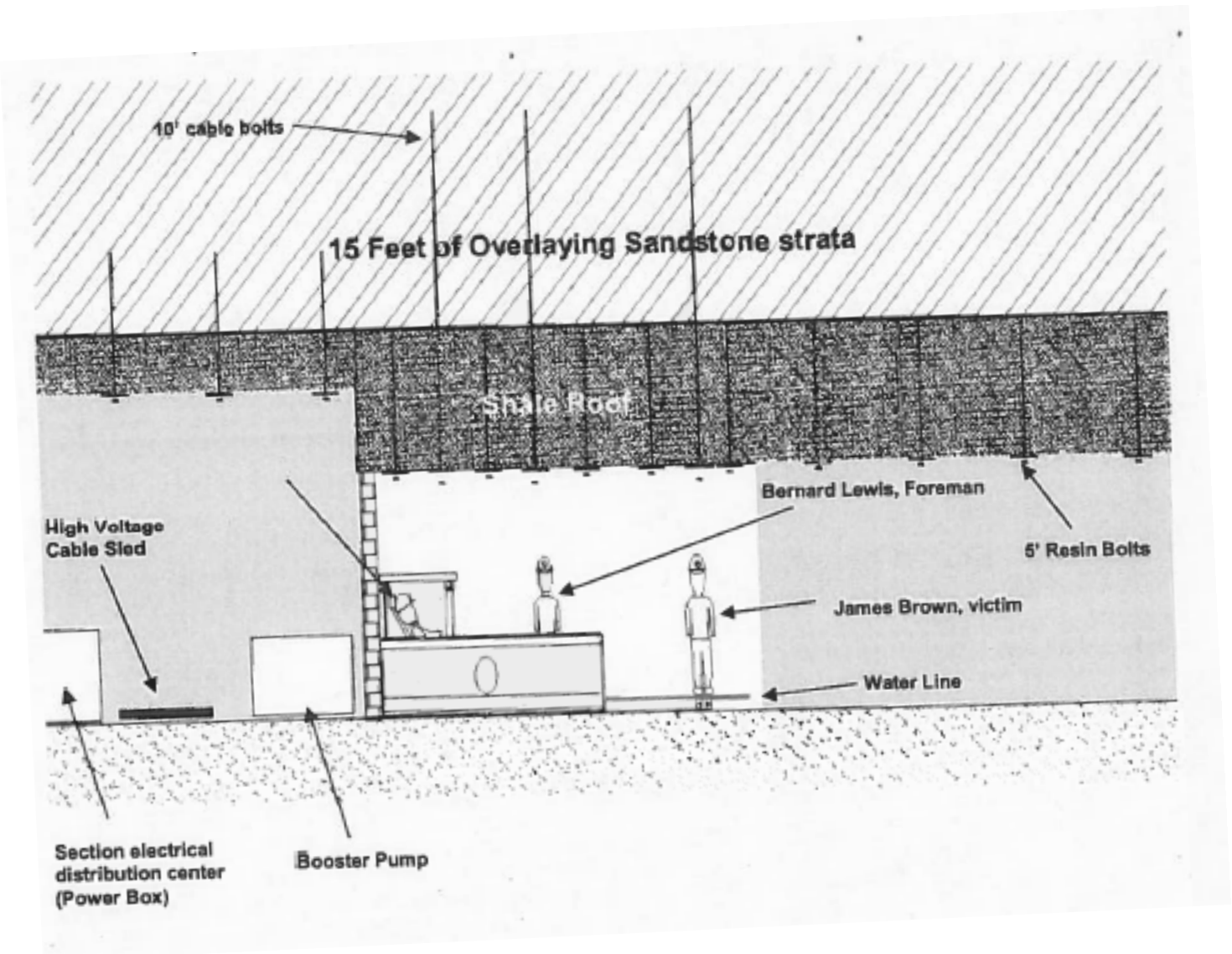


## 2022 Fatality No.1

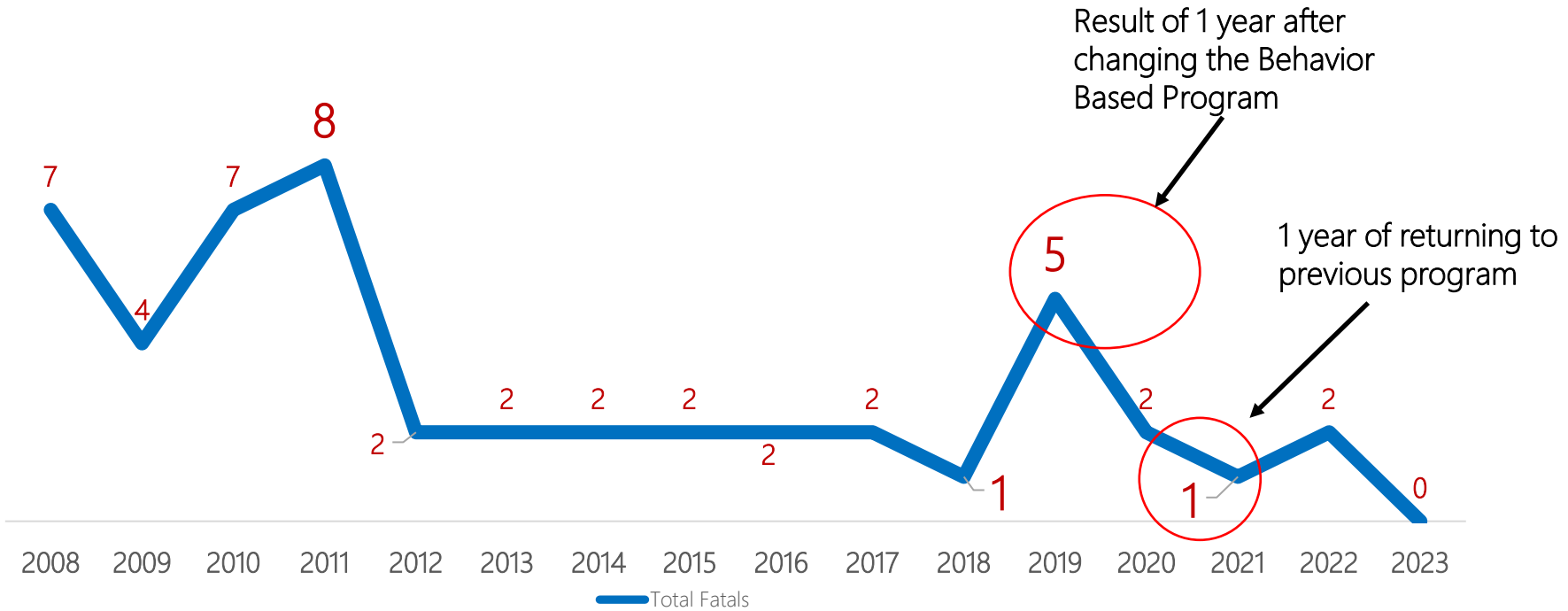
March 20, 2022, a 33-year-old underground miner with 13 years of mining experience was fatally injured while the victim was observing a co-worker in the process of removing a permanent stopping when a portion of the stopping was removed, a large section of the mine roof, measuring approximately 20 feet wide and 50 feet long and being 5 feet thick, collapsed.







# Fatality Trend



# SAFETY RECORD

Special Edition

---

## BREAKING NEWS

---



**FATAL MINING ACCIDENTS AT RECORD LOW**



According to the council, mining fatalities have steadily decreased over the past two years, reaching a record-low number of deaths in the Commonwealth during 2022 to 2023.

---

**MILESTONE SET IN INDUSTRY**

In comparison to previous years, the number of fatalities related to mining accidents has significantly decreased in 2022, marking the lowest rate in the history of mining. Despite this improvement, the DMS is continuing to investigate accidents to prevent any similar occurrences in the future. The root causes of these incidents will be included in the curriculum to eliminate risky behavior and educate miners on the consequences of taking shortcuts and ignoring safe mining practices.

---

**MINERS ARE RETURNING HOME TO THEIR FAMILIES**



MORE INFORMATION AT [WWW.MINE.SAFETY.KY.GOV](http://WWW.MINE.SAFETY.KY.GOV)

16 MONTHS  
SINCE THE LAST  
FATALITY!!!

\*PREVIOUS RECORD  
13 MONTHS

# **DIVISION CONCERNS**

## **DIVISION OF MINE SAFETY**

Locking & Tagging Out of Equipment  
(prior to the making of repairs)

Mining In/Near Old Workings

Positioning/Communication

Generational Change



**Thank You**