



2017
TENNESSEE - COVE LAKE
MINE RESCUE CONTEST
DAY 1

MH

TENNESSEE - COVE LAKE MINE RESCUE CONTEST
SUPERINTENDENT STATEMENT DAY 1
JUNE 6, 2017

Thank you for coming to help us. You are located at the fresh air base of the Cove-Co #1 mine. This is a very large mine with multiple working sections and interconnected fans and air courses.

A mine rescue team was able to explore to the area inby the area you will be exploring. They were stopped by water in the number 1 and 2 entries and caved in number 3 entry. Another team was able to setup a safe return and intake inby that you can use to ventilate through. The fan ventilating this area is exhausting and will pull air through the area you will be exploring if you do not maintain an airlock or you can stall both fans if they are pulling or pushing against each other. The area is currently air-locked inby the fresh air base.

The air is currently going across the fresh air base and there is a safe return and intake outby that you can use to ventilate through. The fan is currently blowing.

The mine has a history of bad roof, water and methane. The mine maps are up to date. We have a competent life line person to give and take life line signals if necessary.

When the team is traveling they can only carry 1 timber per working team member and they must carry their own timber in their hand. Brattice cloth and line curtain must be either carried in the hand or on the stretcher. No throwing, kicking, pitching etc. of timbers, water pump, brattice cloth or line curtains by the team members.

Please find the 5 missing miners that were in this area of the mine that you will be exploring. Thank you and good luck.

PROBLEM DAY 1

EITHER OF THE TWO FANS MUST NOT BE STALLED BY ANY MEANS DUE TO CAUSING DAMAGE TO THE FANS.

TO PREVENT STALLING ONE FAN HAS TO BE BLOWING AND THE OTHER EXHAUSTING WHEN USING BOTH FANS.

BOTH FANS MUST REMAIN RUNNING EXCEPT WHEN MAKING VENTILATION CHANGES BY REVERSING THE FANS.

THE RETURN AND INTAKE OUTBY THE FAB AND INBY AREAS HAVE BEEN EXPLORED AND IS SAFE TO VENTILATE THROUGH.

ACCOUNT FOR ALL 5 MISSING MINERS THAT ARE IN THE AREA YOU ARE EXPLORING AND BRING SURVIVORS TO THE FAB.

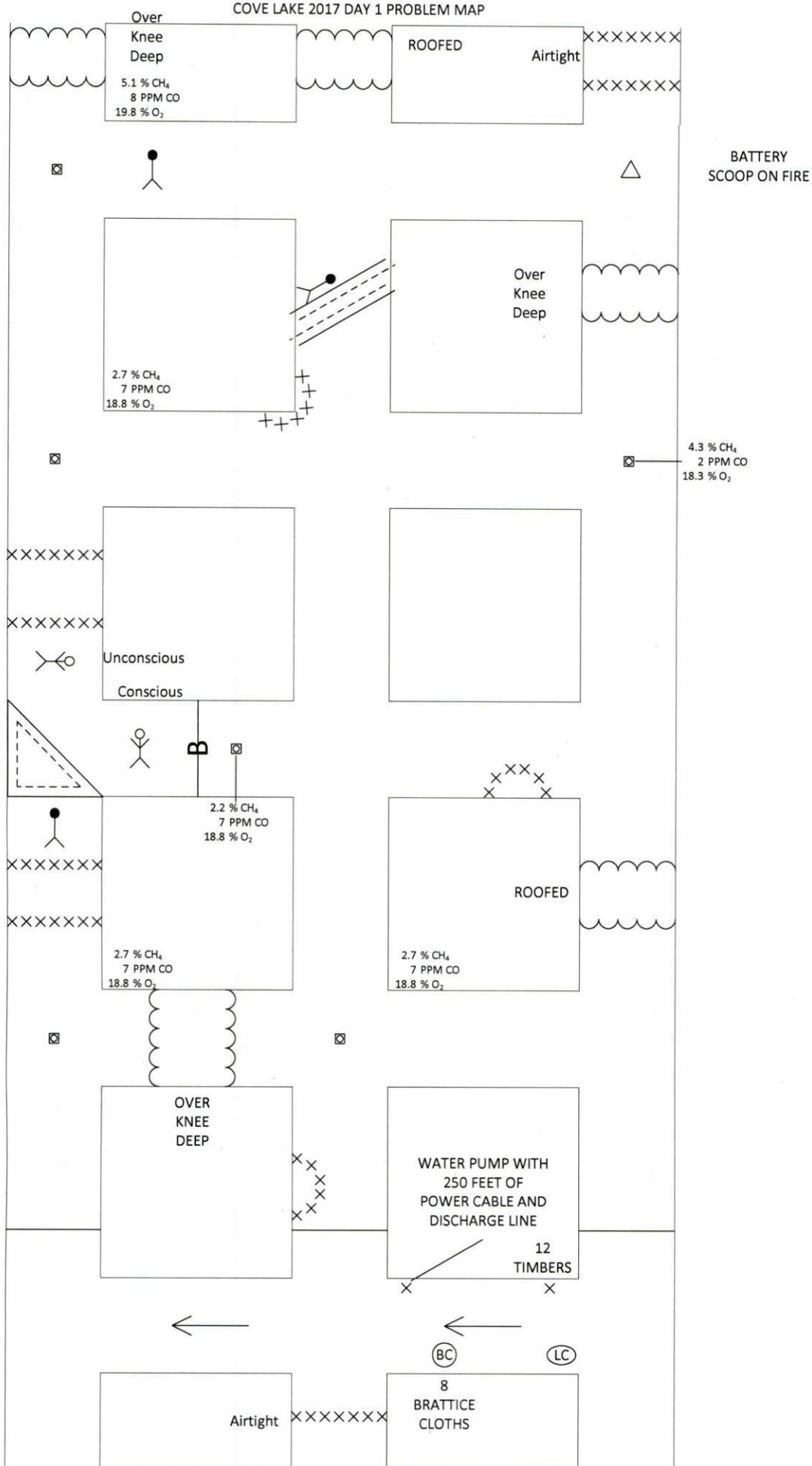
EXPLORE ALL AREAS OF THE MINE THAT CAN BE DONE SAFELY

PATIENT STATEMENT

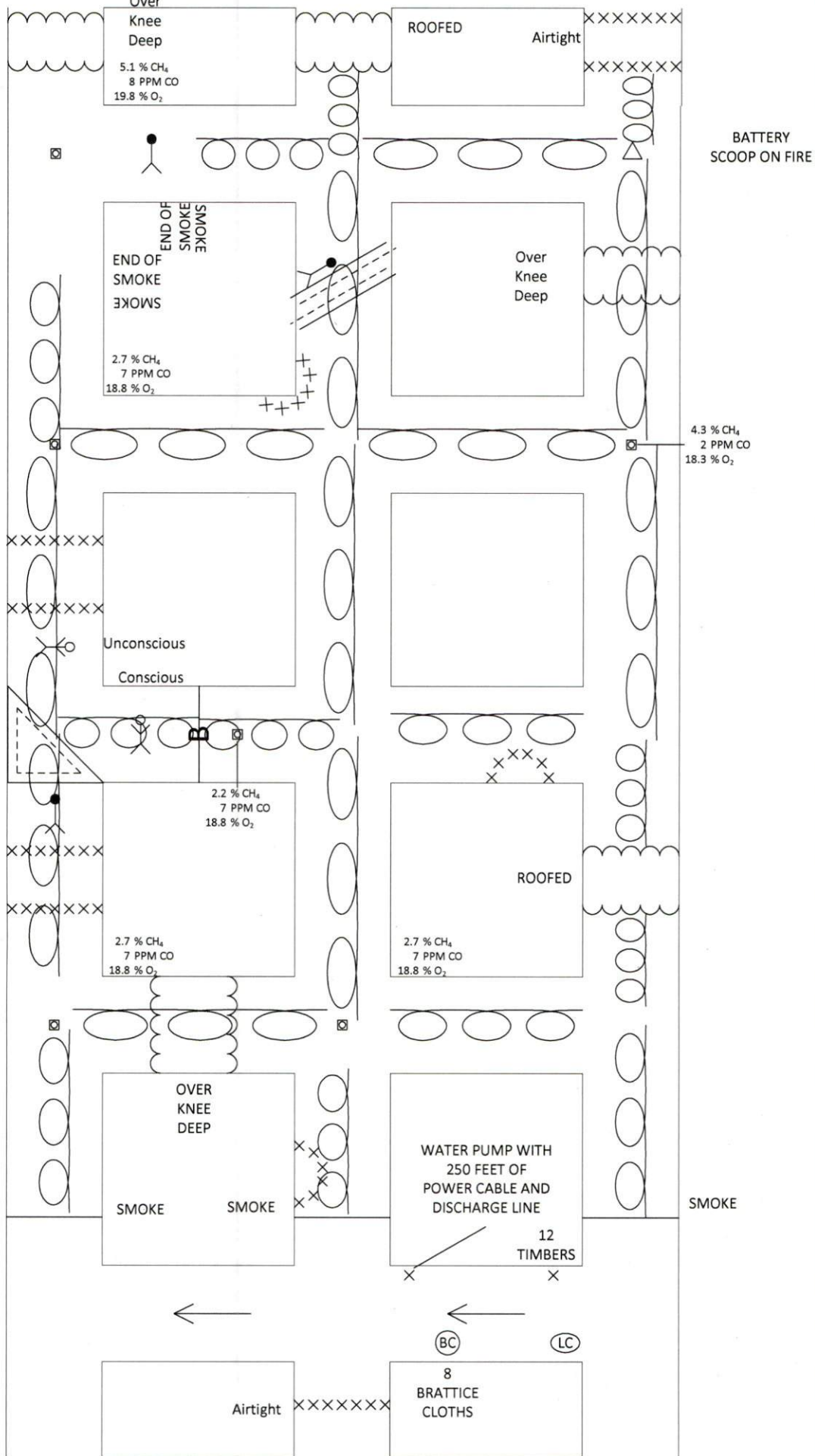
**HELP!! GET ALL 3 OF US OUT
OF HERE.**

I AM FEELING DIZZY.

COVE LAKE 2017 DAY 1 PROBLEM MAP



COVE LAKE 2017 DAY 1 PROBLEM MAP WITH EXTENT OF SMOKE



TENNESSEE - COVE LAKE MINE RESCUE CONTEST
DAY 1

JUDGES BRIEFING

Number 1 entry GT DI Airlock GT inby stopping

Number 2 entry GT DI Airlock GT inby stopping

Number 3 entry GT DI Airlock GT inby stopping

The teams can enter any entry they want to. We are setting this up as if they are entering number 1 entry first.

THEY WILL BE IN SMOKE AFTER GOING INBY THE
TEMPORARY STOPPINGS AND WILL REMAIN IN
SMOKE AT ALL TIMES UNTIL TEAM STOP 10.

Team Stop before breaching stopping.

Team Check

Team Stop 1

Crosscut between 1 & 2 GT DI

Inby GT DI RR

Team Stop 2

INBY GT DI

Crosscut between 2 & 3 GT

Team Stop 3

Crosscut between 1 & 2 GT DI

Inby GT

Outby RR Zig ZAG GT DI

Team Stop 4

Patient reads statement

Inby GT

Crosscut between 2 & 3 RR ZIG-ZAG at caved GT

GT DI at barricade

Team Stop 5

Inby GT

Outby DI GT

Team Stop 6

Inby GT DI

Crosscut between 2 & 3 GT

Team Stop 7

RR Intersection Zig ZAG

Crosscut between 1 & 2 GT

Inby GT DI RR

Outby GT

Pump water 1 and Pump water 2 either one can be done first
Ventilation 1

Enter barricade GT

Touch patient DI assess put under oxygen take to FAB.

Team Stop 8 Inside Barricade

RR intersection DI GT

Touch patient DI assess put under oxygen take to FAB.

Inby GT DI RR

Outby set timbers through unsafe RR outby side

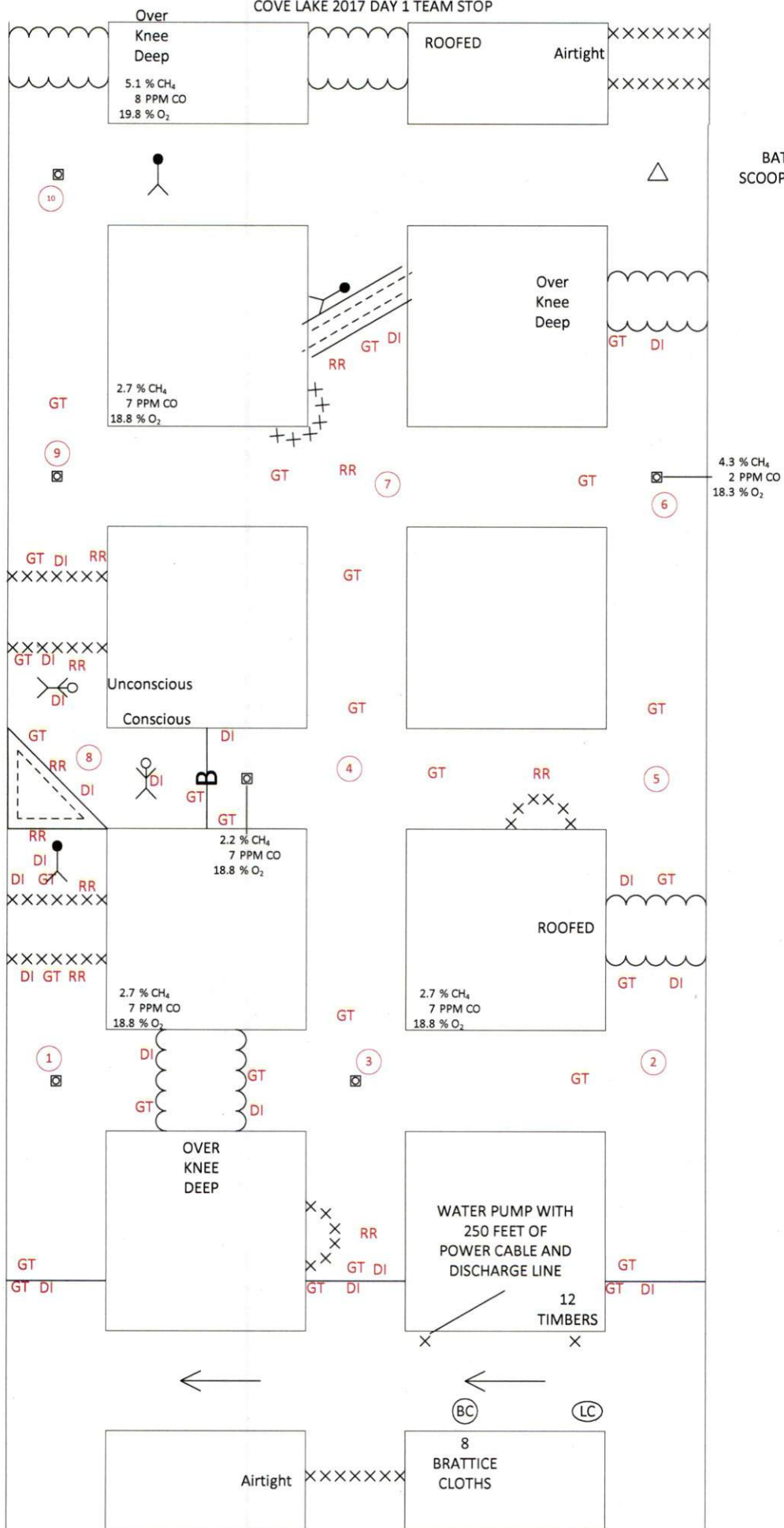
Touch body DI, DI GT RR

Team Stop 9
Inby GT
Outby GT DI RR

Team Stop 10
Team finds Explosive mixture must quit.

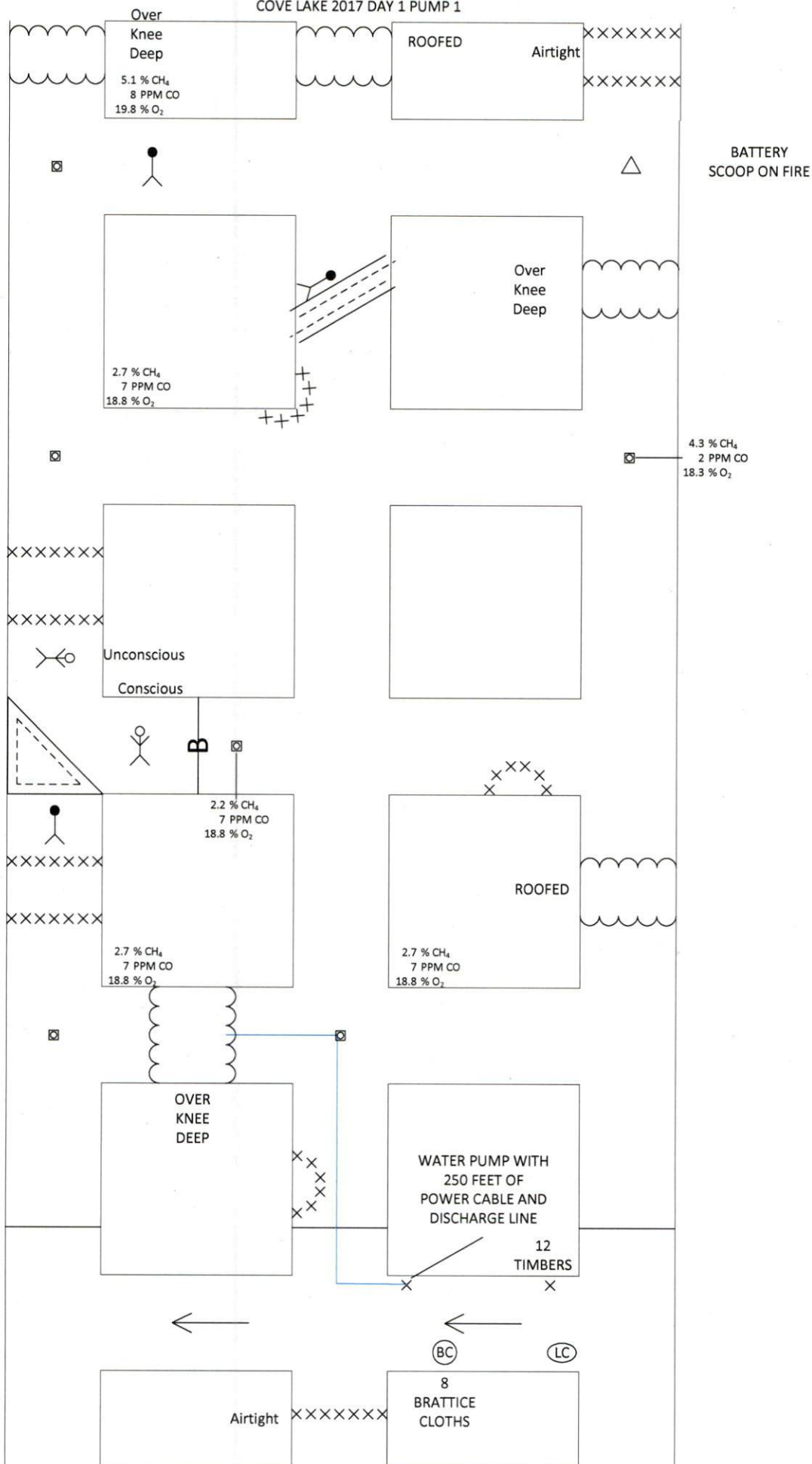
STOP CLOCK

COVE LAKE 2017 DAY 1 TEAM STOP

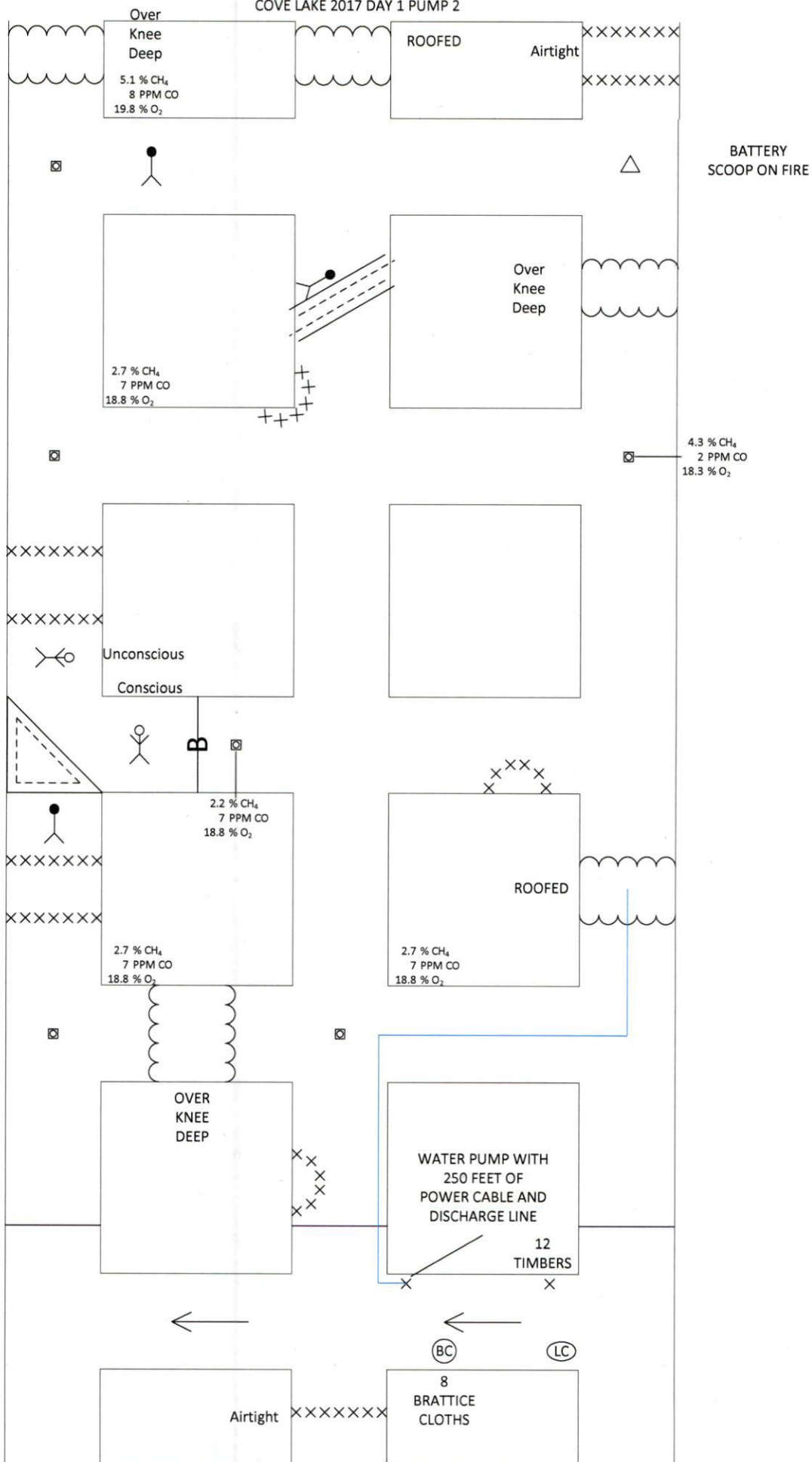


BATTERY
SCOOP ON FIRE

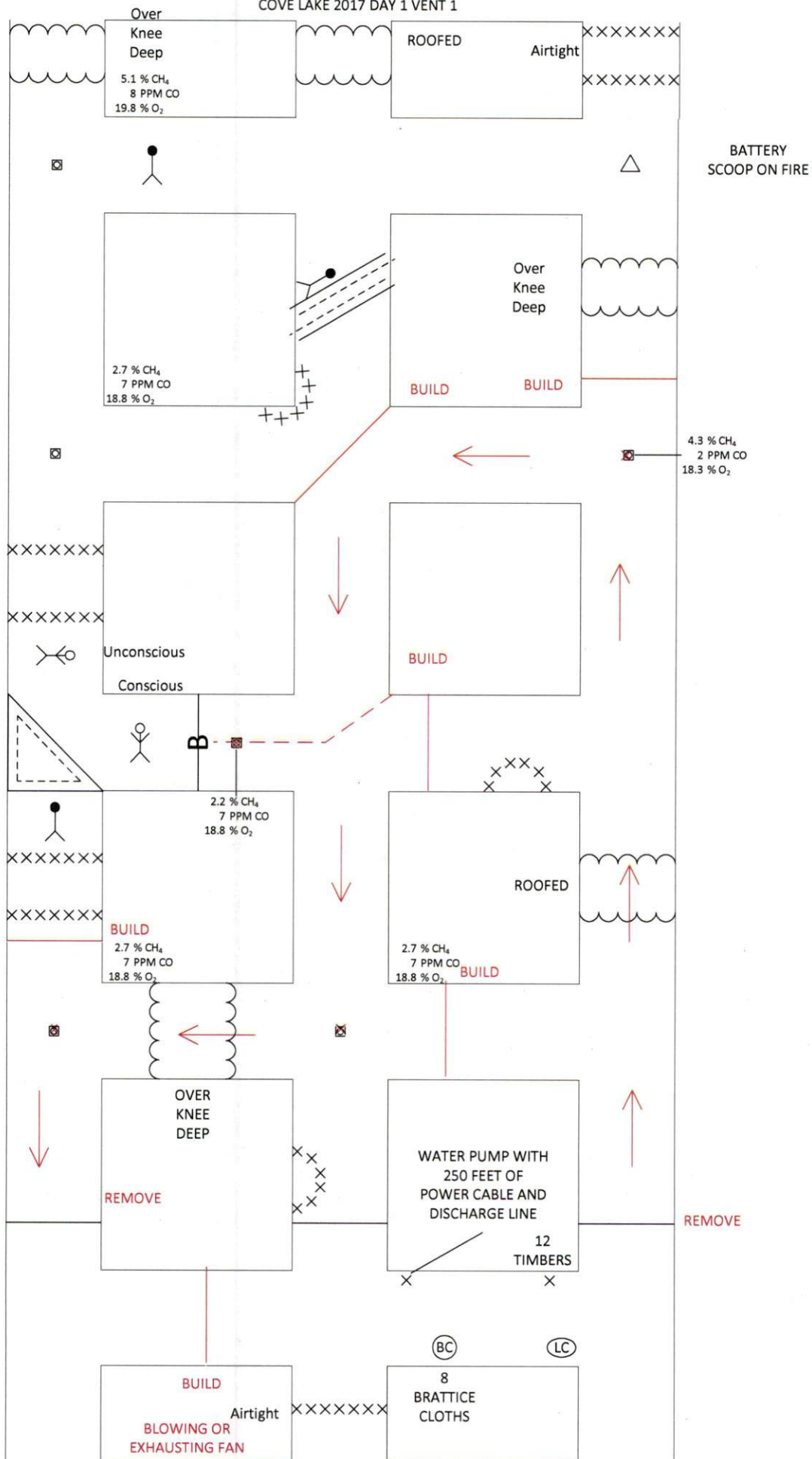
COVE LAKE 2017 DAY 1 PUMP 1



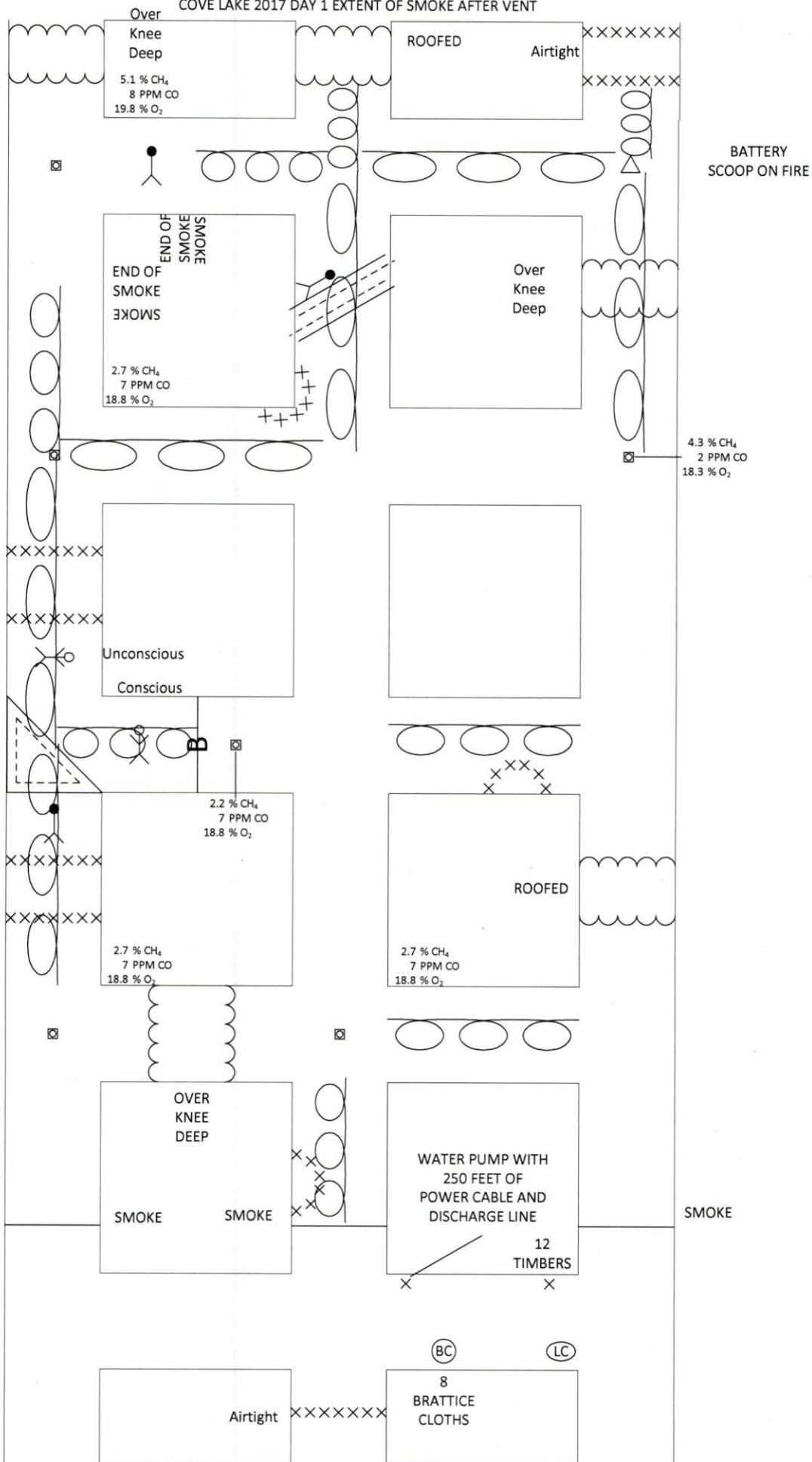
COVE LAKE 2017 DAY 1 PUMP 2



COVE LAKE 2017 DAY 1 VENT 1



COVE LAKE 2017 DAY 1 EXTENT OF SMOKE AFTER VENT



COVE LAKE 2017 DAY 1 FINAL MAP

5.1 % CH₄
8 PPM CO
19.8 % O₂

☒

2.7 % CH₄
7 PPM CO
18.8 % O₂

☒

☒

4.3 % CH₄
2 PPM CO
18.3 % O₂

RETEST
Y ___ N ___

☒

RETEST
Y ___ N ___
2.2 % CH₄
7 PPM CO
18.8 % O₂

2.7 % CH₄
7 PPM CO
18.8 % O₂
RETEST
Y ___ N ___

2.7 % CH₄
7 PPM CO
18.8 % O₂
RETEST
Y ___ N ___

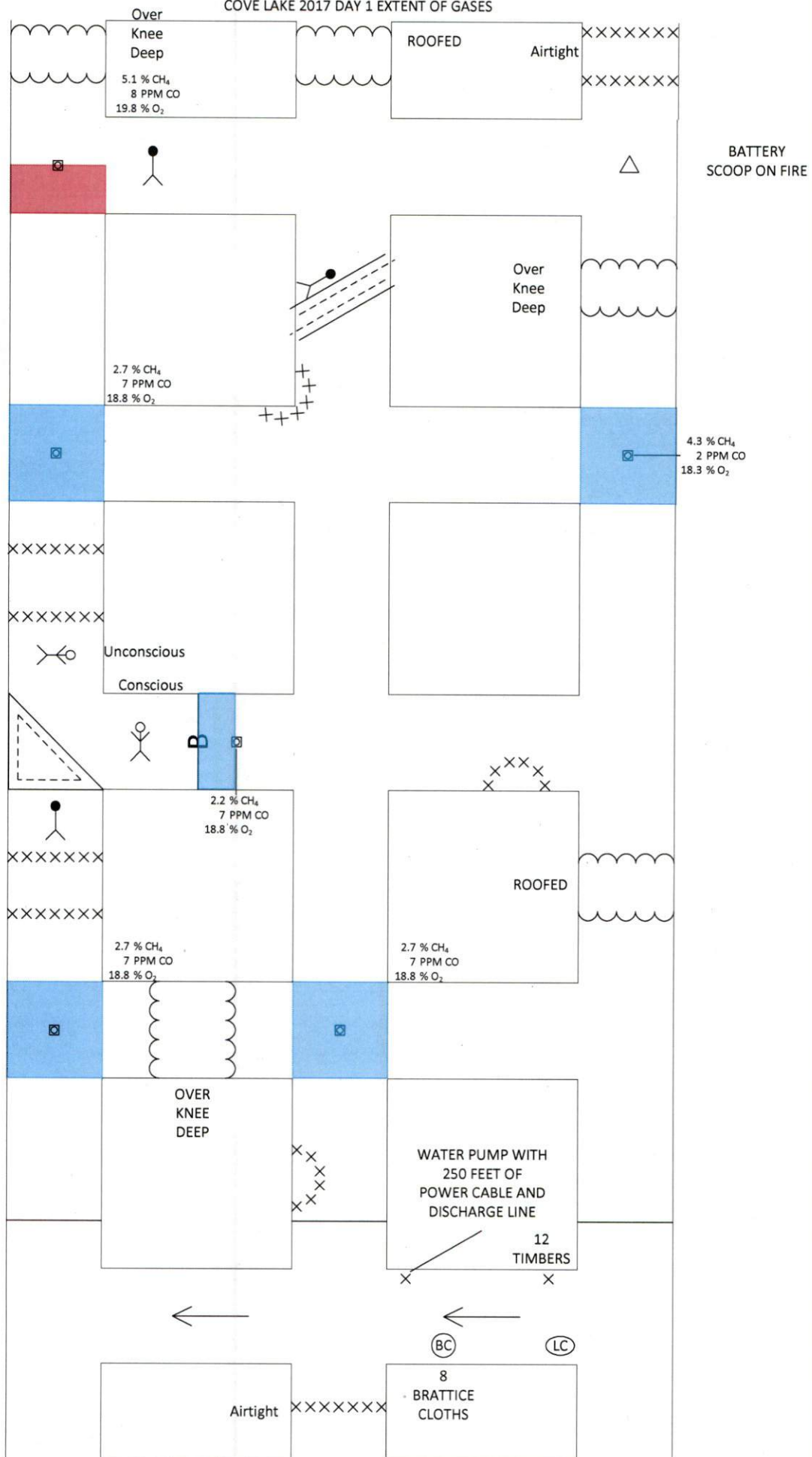
☒

☒

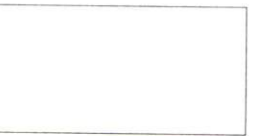
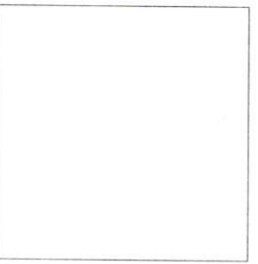
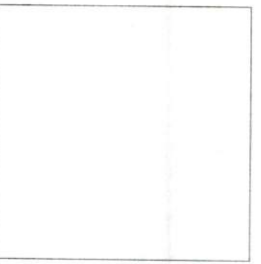
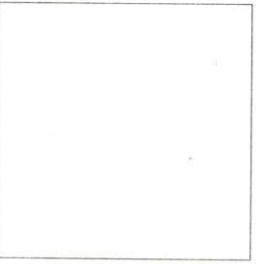
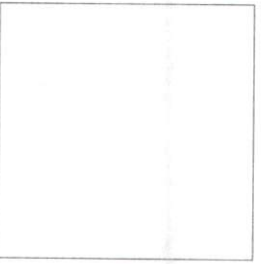
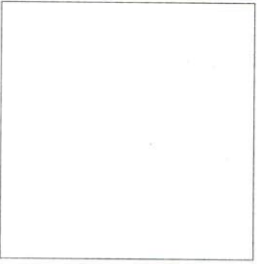
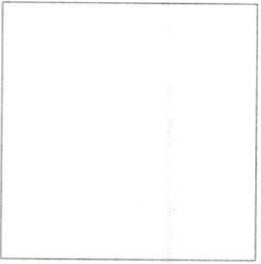
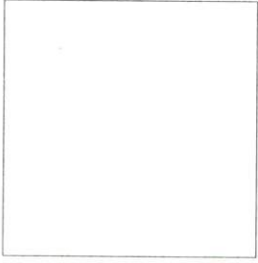
INBY FAN
BLOWING ___
EXHAUSTING ___

OUTBY FAN
BLOWING ___
EXHAUSTING ___

COVE LAKE 2017 DAY 1 EXTENT OF GASES



COVE LAKE 2017 DAY 1 BLANK MAP



COVE LAKE 2017 DAY 1 TEAM MAP

