

37th Annual Missouri Mine Rescue Contest

JUDGE PACKET

Field Competition Day 2

Wheeler Mine



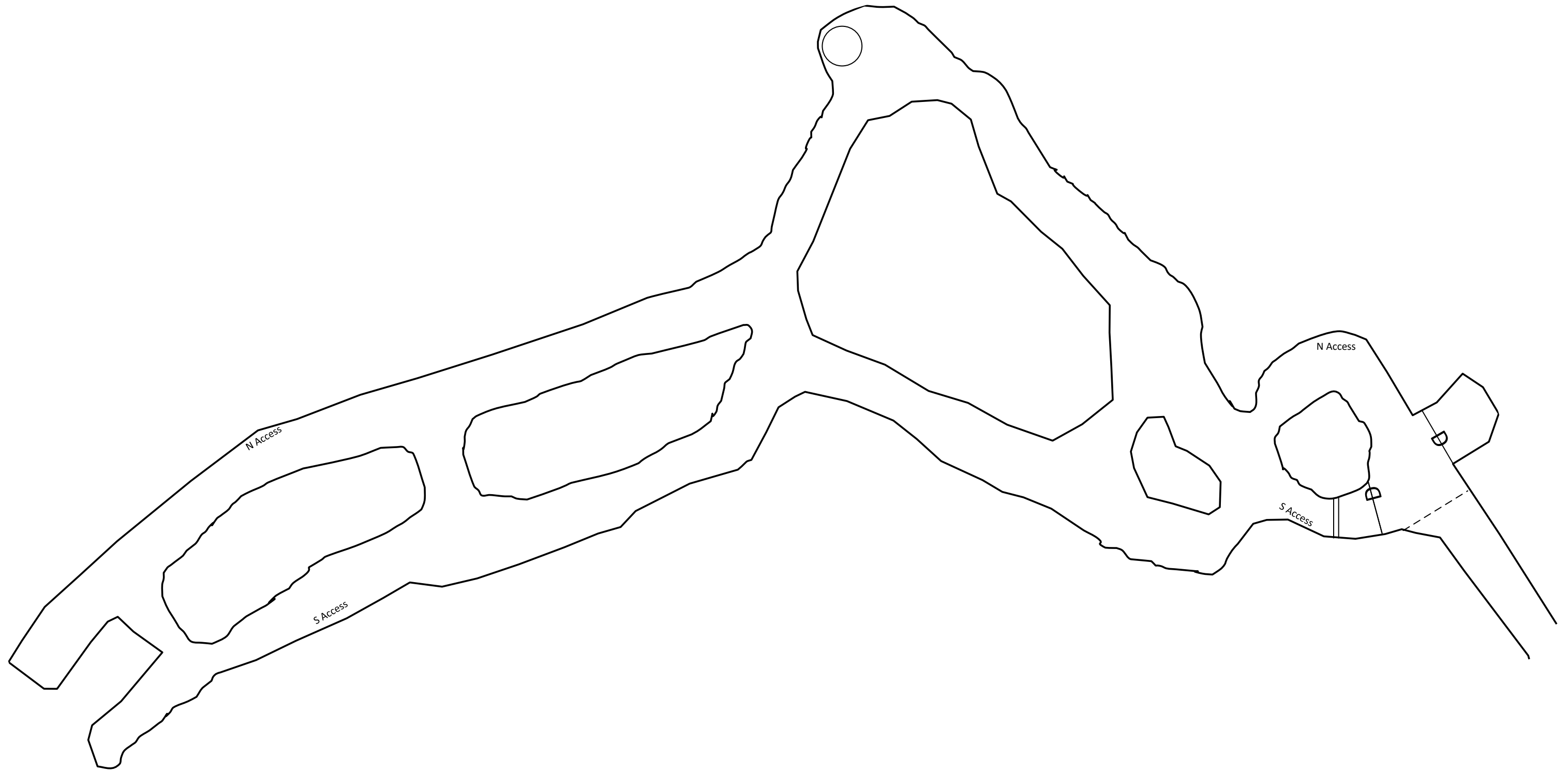
October 2, 2019

Rolla, MO

Team Map Day 2

Team Name: _____

Team Draw # _____



Wheeler Mine

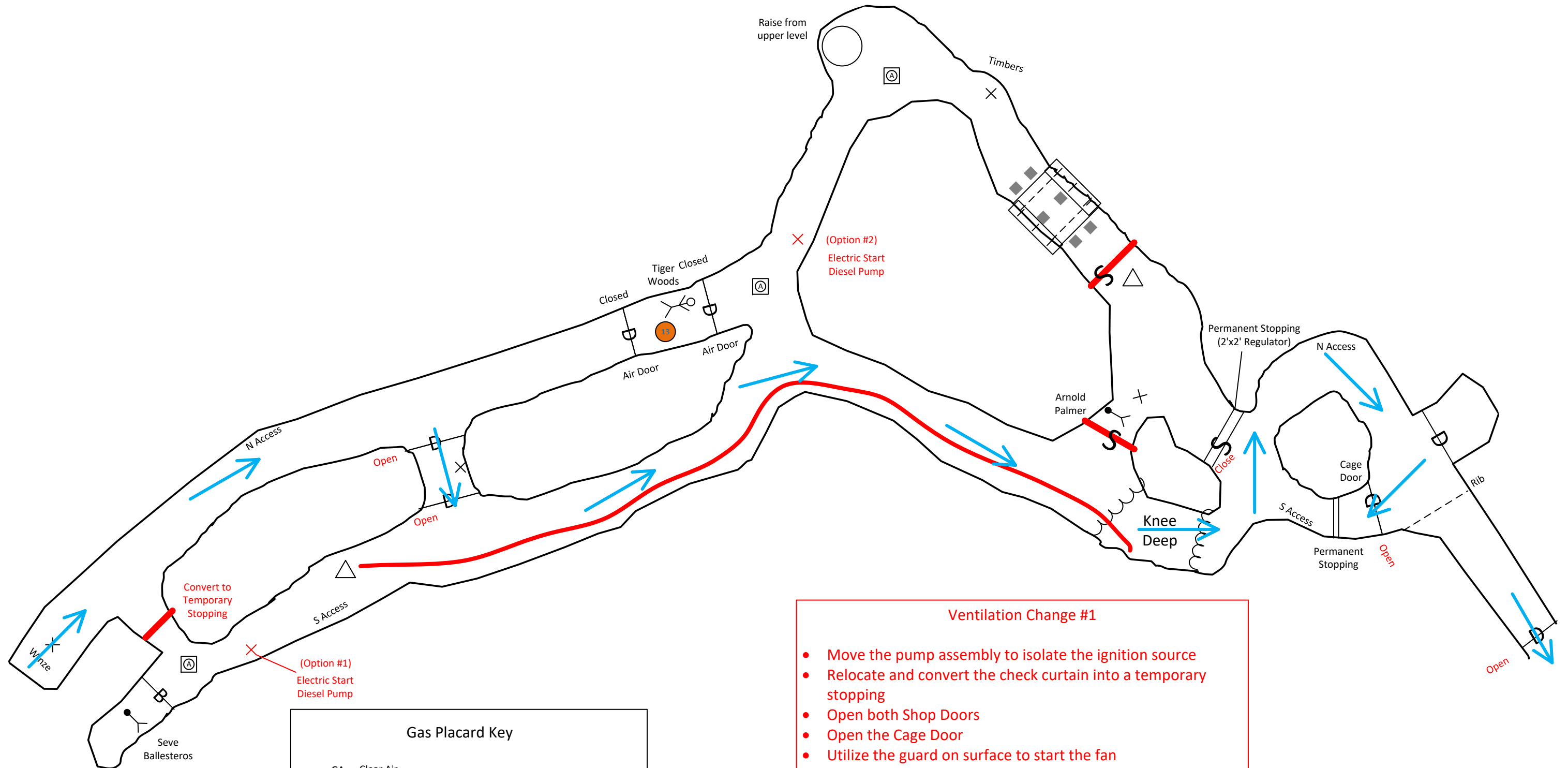


Ventilation Change #1

Map Day 2

Team Name: _____

Team Draw # _____



Gas Placard Key		
CA = Clear Air		
(A) = O ₂ - 16% CO - 0.9321% NO ₂ - 0% CH ₄ - 0% Heavy Smoke	(B) = O ₂ - 17.5% CO - 0.1190% NO ₂ - 0% CH ₄ - 0% Light Smoke	(C) = O ₂ - 16% CO - 0% NO ₂ - 0% C ₂ H ₂ - 4%

- Ventilation Change #1**
- Move the pump assembly to isolate the ignition source
 - Relocate and convert the check curtain into a temporary stopping
 - Open both Shop Doors
 - Open the Cage Door
 - Utilize the guard on surface to start the fan



Ventilation Change #2 to enter the Barricade (See attached map)

The team will request a ventilation change, once granted the following steps will be required to clear the area in front of the Barricade.

- Fan still “ON”
- Take down the temporary stopping in the crosscut
- Close at least one Shop Door
- Maintain at least one Air Door closed

Note: Ventilation path is indicated by blue arrows. The ventilation air flow will enter the upper level and travel down the Winze to the lower level, through the mine, back up the shaft, and then out of the portal entrance.

Note: Upon reentry into areas cleared of smoke and toxic or dangerous gasses, teams shall make gas tests rib to rib at all openings along the route they travel.

Team Stop #14

The team will not know the conditions behind the barricade. The team can utilize the temporary stopping and build the air lock at the entrance to the barricade. When the team enters, they will identify “Seve Ballesteros”, upon examining the miner, they will identify that the miner is deceased.

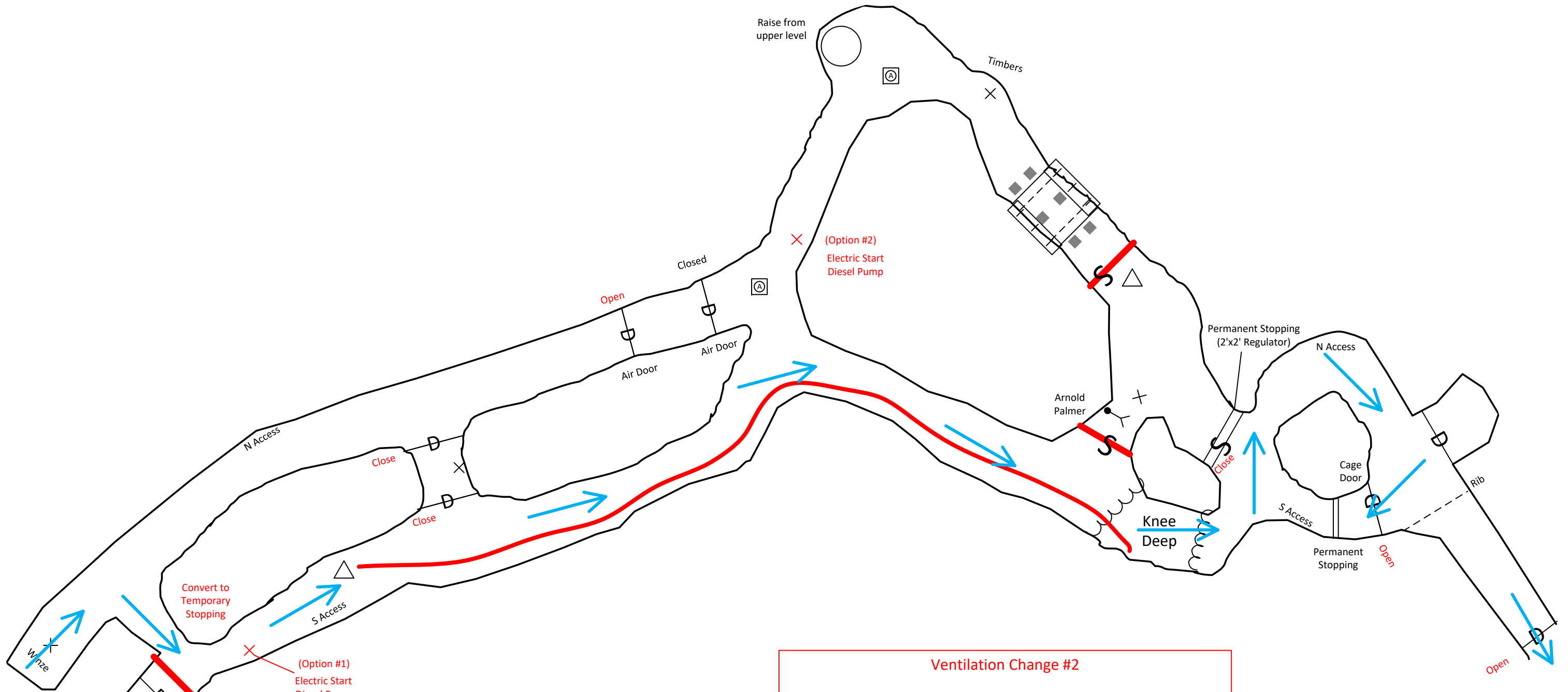
The team will has explored all accessible areas of the mine, sealed and extinguished all fires, and brought all survivors to surface. The team will relay any information necessary to the mine manager, turn in all maps and stop the clock. THE END!

Ventilation Change #2

Map Day 2

Team Name: _____

Team Draw # _____



Gas Placard Key		
CA = Clear Air		
(A) = O ₂ - 16% CO - 0.9321% NO ₂ - 0% CH ₄ - 0% Heavy Smoke	(B) = O ₂ - 17.5% CO - 0.1190% NO ₂ - 0% CH ₄ - 0% Light Smoke	(C) = O ₂ - 16% CO - 0% NO ₂ - 0% C ₂ H ₂ - 4%

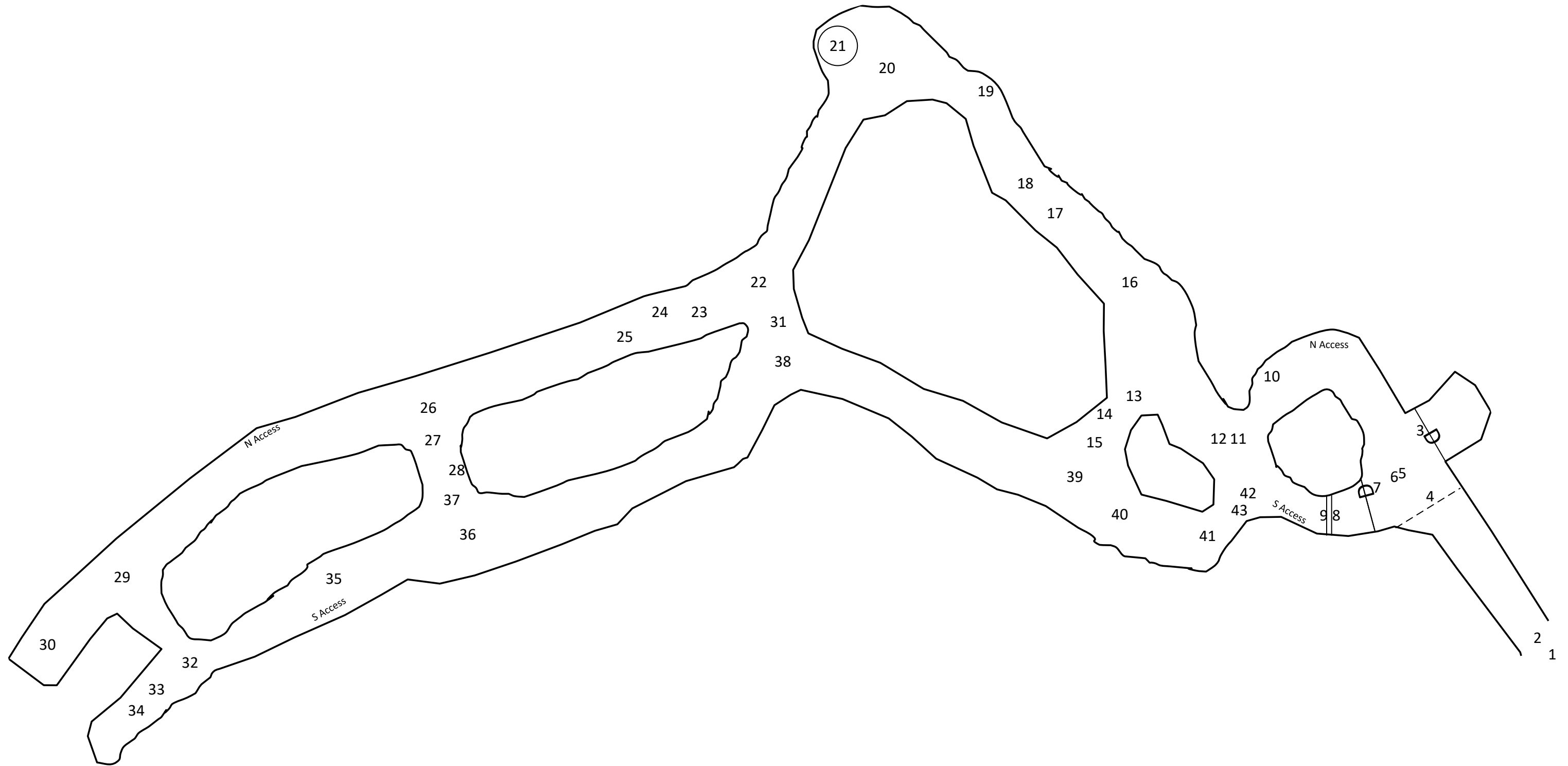
- Ventilation Change #2**
- Fan "ON"
 - Take down the temporary stopping in the crosscut
 - Close at least one Shop Door
 - Maintain at least one Air Door closed



Placard Map Day 2

Team Name: _____

Team Draw # _____



Wheeler Mine

