

Task 2:

Flow: The trucks are loaded with low grade and high grade ore at the mine site from two locations - Pit 1 and Pit 2. The trucks then unload the mined ore from the site to two locations - Finger 1 and Finger 2.

Evidence: The 'nominal_tons' column from the .csv files indicate the weight of the ore. It is seen that in the file 'truck_dump_logs.csv', the weight is in the range of 100s i.e for example 230.7. However, in the file 'rehandle_logs.csv', it is seen that the range of nominal tons is in 10s, for example: 23.5. This indicates a big difference in the weight of the ore, thereby indicating that there is a volume mismatch.

Metric for dashboard: The single most important metric or the Key Performance Indicator in this mining flow process is the weight of the ore or 'nominal_tons' as it describes the performance.