

The strike of the erupted ridges is somewhat irregular, but may be taken as east and west. That of the stratified rocks as north, 60° to 65° east, dipping to the north west at an average angle of 37° .

The mining work done on the property consists of sinking a main shaft, 115 feet east from the main entrance to the south drift, to a depth from the surface of 137 feet.

| | | |
|------------------------------------------------------------|-----|---|
| A winze, 20 feet east from the entrance to the south drift | 60 | " |
| South drift, driven on the adit level..... | 290 | " |
| " " " " " 10 fm. level..... | 274 | " |
| North drift, " " " adit level | 178 | " |
| " " " " " 10 fm. level | 69 | " |
| A cross cut between the north and south drifts at the 10 | | |
| fm. level, 18 feet west of the main shaft | 32 | " |
| Three trial cross cuts at the 10 fm. level..... | 58 | " |

Barton's Pond is between five and six feet above the sea level at high water. With a south or south east wind, the tide flows into the pond. In the event of mining being carried on, on the south side and east end of the pond, it might be made available for scowing the ore, &c. The entrance to the pond could be deepened so as to admit a scow, at little cost. The soundings of the pond are as follows, viz:—

| | | |
|-----------------------------------------------------|-----|------|
| In the centre, 150 feet off the western shore | 11 | fms. |
| Off the 1st south western point | 17½ | " |
| "Diorite point, north side | 17 | " |
| "Trouting rock..... | 9 | " |
| "Birchy Pond Brook..... | 4 | " |
| "Eastern end, 150 feet from the shore | 6 | " |

But the cheapest mode of transit for the ore, &c., would be to construct a tramway along the south side of the pond, with a grade sufficiently steep to admit of the ore cars being sent along it by *nearly* their own force of gravity.