IV.—List of Localities for Trap Minerals in Nova Scotia.*

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(Read 14th December, 1891.)

TRAP DISTRICT.

LOCALITIES FOR MINERALS.

St. Mary's Bay.

Little River, Mink Cove.

Jasper in varieties.
Lamellar quartz, with calcareous spar.
White diabasie in geodes of quartz.
Magnetic iron ore.

Onward to Sandy Cove.

Geodes of quartz in jasper, transparent.
Geodes with amethyst, various shades.
Geodes with quartz, amethyst, and chabasie.
Lamellar quartz with calcareous spar in cavities.
Red, yellow and striped jasper in fissures.

Sandy Cove.

Stilbite in geodes of chalcedony.
Quartz crystals, fine.
Specular iron ore, brilliant,
Ditto, embedded in limpid chalcedony.
Ditto, in transparent chabasie.
Ditto, with quartz and calcareous spar.

* This is a very old list, and was found recently among the Museum specimens of the McCulloch Collection, presented to Dalhousie College by the Rev. William McCulloch, D. D., of Truro. The original manuscript bears neither date nor author's name, but, on its being forwarded to Rev. Dr. W. McCulloch, to ascertain if it was in his father's hand-writing, he replied: "You are right about the document enclosed. I had given it up as lost. It is in my father's hand, though the work was the joint labour of my father and brother Thomas, running over years."—George Lawson.

Calc spar.
Laumonite, beautiful crystals.
Ditto, with calcareous spar in fissures.
Ditto, with fine specular iron ore.
Agates.
Chalcedony.
Needlestone.
Quartz in veins—also disengaged.

Eastward a mile.

Specular iron ore, in rhombic crystals, plates and scales, best in disintegrated amygdaloid or friable black wad.
Magnetic iron ore.

Outer Sandy Cove, Bay of Fundy.

Jasper, red.
Ditto, fine red and yellow cemented by quartz and amethyst.
Geodes of quartz and amethyst.
Ditto, amethyst.
Agates, fine, in nodules and large tables, on the shore.
Agates, brecciated.
Hornstone.
Chalcedony.

St. Mary's Bay, eastward

Agates, fine varieties.
Jasper.
Chalcedony.
Amethyst.
Quartz.
Hornstone.
Calcareous spar.
Jasper, amethyst and chalcedony united.
Geodes of amethyst.
Cat's eye chalcedony.
Specular iron ore.

Titus Hill, St. M. Bay.

Striped jasper.
Jasper, cemented by chalcedony.
Ditto, hollow, with stalactites of quartz and jasper.
Calcareous spar.
Chabasie, dirty, crystals large.

Eastward.

Chalcedony in pebbles, cemented by siliceous ——
Quartz crystals in cavities of jasper.
Amethystine quartz in delicate prisms.

Trout Cove, Bay of Fundy.

Agate, varieties, not found elsewhere on Digby Neck.
Chalcedony, fine.
Chalcedony, milk white, in veins.
Jasper, with zig-zag lines of carnelian, in trap.

Gulliver's Hole, Bay of Fundy.

Jasper,
Chalcedony,
Other minerals,
} all in the debris.

Nichol's Mountain.

Amethyst in chalcedony.
Amethyst quartz and chalcedony united.
Magnetic ore in transparent chalcedony.

William's Brook, St. Mary's Bay, in the banks near the source of the brook.

Quartz, milky, radiated in amygdaloid.
Geodes of heulandite, fine, white, foliated, with radiated stilbite.
Geodes of heulandite, with green crystals supposed to be chabasie.
Cachalong, botryoidal, in quartz veins.

East of the Gut, six miles and onward.

Agates composed of lines of chalcedony, carnelian and cachalong.

Chute's Cove, both east and west.

Heliotrope, in stones, also dropped out.
Jasper and quartz in veins.
Chalcedony, white, in veins.
Carnelian, in plates.

St. Croix Cove.

Zeolites, fascicular, in cavities.
Ditto, four-sided prisms.
Heulandite, beautiful.
Ditto, foliated, in veins.
Mesotype, abundant in disintegrated soil.

Martial's Cove.

Zeolites, different species.
Heulandite, in veins, six inches wide.
Analceme, with globules of copper, green and transparent.
Copper.

Hadley's and Gates' Mountains.

Chlorophæite.
Thomsonite, in the fields, everywhere.
Mesotype, white, silky.

Peter's Point.

Laumonite, beautiful, in fissures.
Ditto, imbedded in rhombic calcareous crystals.
Apophyllite, fine.
Hornstone.
Jasper.
Laumonite, in fissures; also embedded in calcareous rhombic crystals.
Ditto, near the point under an arch of columnar trap, in a cave, well preserved, removable by hand.
Apophyllite, fine.

Honstone.
Jasper.

Toward French Cross and there.
Mesotype, fibrous, in amygdaloid.
Calcareous spar, in grottos, beautiful.
Heulandite, easily removed.
Zeolites, spheroidal, in amygdaloid, abundant.
Laumonite.
Mesotype, fine.
Jasper, Quartz, Chalcedony, } in veins.
Heulandite, unrivalled.
Chalcedony, botryoidal.
Quartz, geodiferous.
Stilbite.
Analceme, red.
Other minerals in the vicinity.

Toward Black Rock.
Mesotype and chlorite in amygdaloid.
Heulandite, red, with analceme.
Laumonite, beautiful, projecting out.

East of Black Rock, a few miles.
Calcareous spar, large veins, rich straw yellow.
Stilbite, in the *debris*, in masses, fasciculi, and in bundles of threads.
Jasper.
Chalcedony, milky.
Agates.
Prehnite.
Many other minerals.

Hall's Harbour.—No notices.

Onward on the road to Cornwallis.
Stilbite, in the fields.
Quartz, agate, jasper and chalcedony, at several places.

Cap d'Or.

West Side.

Copper in seams, best found at half tide.
Calcareous spar.
Analceme, tinged green, copper filaments enclosed.

East Side Horse Shoe Cove.

Copper in jasper,—ditto sulphate,—green carbonate.
Analceme, transparent.
Calcareous spar.
Ditto, incrusted with stilbite, like sugar.
Stilbite, radiated, in calcareons spar.
Many other minerals.

Spencer's Island.

Siliceous Sinter.
Jasper.
Quartz crystals.
Amethysts in geodes.
Agates.
Calcareous spar.
Stilbite.
Amethyst, splendent.

Partridge Island.

Calcareous spar, large crystals.
Stilbite.
Ditto, with calcareous spar, fasciculated, flesh red, and colourless.
Arragonite, transparent.
Yellow stilbite and calcareous spar, by breaking masses on the shore.
Chabasie in amygdaloid, transparent, orange, large and brilliant.
Agate.
Jasper.
Chalcedony.

Cachalong, botryoidal, in inaccessible trap, to be picked from debris.
Amethyst in geodes.
Hornstone, on the shore.
Opal and semi-opal.

Swan Creek.

Analceme, large plates.
Ditto, covered with needlestone.
Heulandite, pearly.
Ditto, in brown plates.
Siliceous Sinter, with stilbite and heulandite
Chabasie, also, with the preceding; abundant minerals, eastward $\frac{1}{2}$ mile.

McKay's Head.

Siliceous sinter in veins.
Ditto, in geodes, beautifully crystallized and in many forms.
Hogtooth spar.
Amethystine sinter in geodes.

Two Islands.

Chabasie,
Analceme,
Heulandite,
Calcareous spar,
Siliceous sinter,
} abundant,—often in the same specimen.

Ditto, in cavities of amygdaloid, white, grey and amethystine.
Siliceous sinter in geodes, beautiful.
Moss agate, largest Island, east side, near a vein of ferruginous oxide at a mass of debris.
Jasper, beautiful, on the south side, in the outer Island.
Stilbite, rich.
Heulandite,
Analceme,
} beautiful.

Five Islands.

Few minerals, inferior.