

MK 42-41

Collins, W. H. - Talc Deposit - 32 mi. from Wheatland, 1 mi. west of Cottonwood Creek, N. 30° 30' E. 500' from the S. 1/4 corner Sec. 15, T. 27 N., R. 70 W.

Main pit about 15' by 3 1/2' - 10' of this length is in pretty good talc. (Talc No. 1). There are a few quartz stringers in the pit - from a fracture of an inch up to about 4". Most of the material, however, is good talc. The talc would probably have to be milled to get rid of the quartz and feldspar. At both ends of the pit, the talc runs into quartz, feldspar and muscovite (granite).

About 30' W. of the main pit the talc appears (on the surface) to pinch out. It can be found further W. about 250' in a pit, but is only about 2' wide and of poor quality. About 300' further W. it appears again in a pit, but is only a little more than 1' wide. Granite, quartz veins and hb schist make up the country rock. Talc here is of poor quality.

About 105' E. is a small pit containing talc - here about 5' wide of fair quality, but not as good as in the main pit. About 220' further E. of the above mentioned pit is another small pit with a 1' seam of poor talc. 60' still further E. is a pit showing a 5' seam of poor talc.

Apparently there is only one good showing of talc in the main pit where the good talc is 10' long, by 3 1/2' wide, by about 10' deep - some water in pit which is a few feet deeper. Even this talc would have to be crushed and tumbled at the mill. The talc here probably extends several feet E. and several feet W. as good quality material.

The talc is typical crumpled and metamorphous material. It may have formed by alteration of basic rock, such as diorite when injected by granite and quartz veins. (Some granite and diorite (hb-schist) in some of the pits.)

The deposit is characteristically of the pinch-and-swell type (disappearing and then widening). There is no evidence from surface or pits that the talc widens in depth.

Opinion - Too small to mine. Some iron-stained talc in pits E. of main ore, but this may be a surface phenomenon - the pits are only about 2'-3' deep.

Sp. from main pit - high grade talc.

②

In some of the beds, especially in the
 upper part, which was first seen in the
 west, the talc is considered to be the
 same as that seen in the west. The
 talc is probably of the same origin
 but is of poor quality. It is
 found in a few places in the
 west, but is not so abundant as
 in the east. It is also found
 in the south, but is not so
 abundant as in the west. It is
 also found in the north, but is
 not so abundant as in the west.
 The talc is probably of the same
 origin as that seen in the west.
 It is found in a few places in the
 west, but is not so abundant as
 in the east. It is also found
 in the south, but is not so
 abundant as in the west. It is
 also found in the north, but is
 not so abundant as in the west.

①

Collins, W.H. Talc Deposit 32 Mi. from Wheatland
 1 Mi. W. of Cottonwood Creek N³⁰°E 500 from the S. 1/4 Cor.
 8-27-42

Main pit about 15' by 9 1/2' - 10' of this length is a pretty
 good talc. (Talc No. 1) There are a few quartz stringers
 in the pit - from a portion of an inch up to about 1/2". Part
 of the material, however, is good talc. The talc would
 probably have to be milled to get rid of the quartz
 and feldspar. At both ends of the pit the talc runs
 into quartz, feldspar, + muscovite (granite).

About 30' W of the main pit the talc appears (on the
 surface) to pinch out. It can be found further W. about
 250' but is only about 2' wide and of poor quality. About 300'
 further W. it appears again in a pit but is only a little
 more than 1' wide. Granite quartz veins, + etc. which
 make up the country rock. Talc here of poor quality.

About 105' E is a small pit containing talc here about
 5' wide of fair quality but not as good as in the main
 pit. About 220' further E of the above mentioned pit is
 another small pit with a seam of poor talc. 60' still
 further E is a pit showing a seam of poor talc.

Apparently there is only one good showing of
 talc - in the main pit where the good talc is.