

Allanite Deposit - (From letter of E. D. Goldring).

The deposit is located about 12 miles south of Hazleton, at the end of a side road. It cannot be reached from Kaycee (except on foot). It is necessary to take the Buffalo-Tensleep highway to the Hazelton Junction, from thereon proceed to Hazelton, and turn south from the main road a short distance from Hazelton. The deposit is 2-3 miles south of what is designated "Bull Camp."

The deposit outcrops 1200-1600 feet. There is a number of test pits along the outcrop. The best showing was in a 20-ft. shaft, at the bottom of which a 20-ft. crosscut had been driven. Here about 10 ft. of ore was exposed. I ran a number of analyses of the allanite during the year that I was on the property. The total rare earth oxide content ranged between 12 and 14%. The percentage of CeO_2 ran around 10 or 11 and the combined oxides of La, Di, Yt, etc. amounted to about 1.50%. One sample carried 0.7% ThO_2 .

George Schultz

Buffalo, Wyo.

(Runs a plumbing and steamfitting business)

One of the partners who did work on allanite and Cu.

Mr. Schultz no longer associated with claim. He reports \$16,000 development work has been done. Now owned by another group who have filed on claim for uranium.

Allanite Deposit (From letter of E. D. Seldring, 24-III-95)

The deposit is located about 12 miles south of Hazelton, at the end of a hill road. It cannot be reached from Hazelton (except on foot).

It is necessary to take the Hazelton-Ten Mile highway to the Hazelton Junction, from this point proceed to Hazelton, and then south down the main road a short distance from Hazelton. The deposit is 2-3 miles south of what is designated "2nd Cr. L."

The deposit outcrop is 100-200 ft. There is a number of test pits along the outcrop. The best showing was in a 20-ft. test pit, at the bottom of which a 20-ft. crosscut had been driven. Just about 10 ft. of ore was exposed. In a 10 ft. crosscut, 10 ft. of ore was exposed. During the year I was on the property. The test pits, south of the outcrop, ranged between 12 and 14 ft. The percentage of SiO_2 was around 10% and the combined oxides of Ca, Fe, etc. amount to about 15%. One sample carried 10% ThO_2 . (over)

George Schults
Buffalo, N.Y.
(Runs plumbing & steamfitting business)

One of the partners who did work on Atlantic & Co.

Mr. Schults no longer associated
with claim. He reports \$16,000
development work has been done. Now
owned by another group who have filed
a claim for uranium. *WHD*

Allanite

WESTERN FLUORSPAR CORPORATION

COWDREY, COLORADO

Aug. 24, 1945

Dr. A.F. Hagner, Assoc. Prof. of Geology,
U. of Wyo.,
Laramie, Wyo.

Dear Dr. Hagner:

The quartz wedge has been received. Its optical orientation makes it unsuitable for use with my scope, in which the accessory slot is arranged at 45° with the nicols, this arrangement bringing the vibration directions of the wedge parallel to the crosshairs. The upper nicol is non-rotating, so the necessary adjustment cannot be made here. I am therefore returning the wedge. Am certainly sorry that it could not be used, not only because of the very generous price reduction, but also because it is doubtful if I can secure one elsewhere for a long time to come, Priority conditions as they are. In the event that you have an extra wedge cut in such a manner that the vibration directions are parallel and normal to the length, I would like to secure same. I was under the impression that Lietz microscopes had the accessory slot oriented to take wedges of this type.

You asked about the allanite deposit west of Kaycee. It is located about twelve miles south of Hazelton, at the end of a side road. It cannot be reached from Kaycee (except on foot). It is necessary to take the Buffalo-Tensleep highway to the Hazelton Junction, from this point proceed to Hazelton, and turn south from the main road a short distance from Hazelton. The deposit is 2-3 miles south of what is designated "Bull Camp". Can't give you a more definite location without consulting a map. If you need to know the exact location I can place it fairly accurately with the aid of the geologic map of the Bighorns which accompanied USGS Prof. Paper #51 (Darton) if you will loan it to me.

The deposit outcrops 1200-1600 feet. There are a number of test pits along the outcrop. The best showing was in a twenty-foot shaft, at the bottom of which a twenty-foot crosscut had been driven. Here about ten feet of ore was exposed. I ran a number of analyses of the allanite during the year I was on the property. Don't have the results with me, but remember that the total rare earth oxide content ranged between twelve and fourteen percent. The percentage of CeO_2 ran around ten or eleven and the combined oxides of La, Di, Yt, etc. amounted to about 1.50%. One sample carried 0.7% ThO_2 .

Very sincerely

E.D. Goldring
E.D. Goldring