

GEOLOGICAL SURVEY OF WYOMING

Rhoads Jade Deposit

The jade occurs in a small (10' x 3'-4') pit on the slope of a small gentle knoll. It appears to be about 6" to 10" wide and is in contact with a granite or granite pegmatite. The pegmatite is banded and looks like marble - similar to that at Marion-Curtis black jade deposit.

On the slope and up over the crest of the hill is a broad zone of black basic rock which may be hornblende diorite. It contains white crystals of feldspar? which are probably injectocrystals from the pegmatite. The pegmatite or granite crops out as bands striking NE-SW and is parallel to the strike of the diorite.

About 300' NE of the pit, at the location notice, are two or three bands of serpentine. These strike parallel to the other rocks and have been considerably altered in places to anthophyllite, tremolite-actinolite, and talc. The serpentine looks a great deal like jade but is not found in the immediate vicinity of jade either here or on Marion-Curtis olive-green jade.

Specimen 1 from pit probably pegmatite. Sp. 2 banded pegmatite looks like marble. Spec. 3 similar to 2 but near or at jade contact. Sp. 4 jade. Sp. 5 pegmatite on W wall of jade (2 and 3 and 1 on E wall) about 5' from contact. Sp. 6 Diorite in the immediate vicinity of pit but from 60' E at outcrop.

Specimen 7 green epidote - like rock seen at all jade deposits. Sp. 8 same as 7 but shot thru with pegmatite. Sp. 9 marble-like pegmatite. Sp. 10-11-12-13 serpentine in varying stages of alteration.

Judging by the deposits examined, only the narrowed "diorite dikes" were altered to jade. Or, the green rock is serpentine or silicious serpentine which altered to jade.

Deposit 66 mi. from Lander.

Specimen 1 fragment, probably pegmatite.
Sp 2 banded pegmatite like the marble. Sp 4
3 number 2 but near contact. Sp 4
Sp 5 pegmatite in W wall of pit (2 x 3 x 1 or
E wall) about 5' from contact. Sp 6. Dorsite in the
immediate vicinity of pit but from 60' E at
outcrop

Specimen 7 green epidote-like rock, seen
at all jade deposits. Sp 8, same as 7, but about
100 yds. north of pegmatite. Sp 9 marble like pegmatite
Sp 10-11-12-13 pegmatite in hanging stages of
intersections.

Sp 14 by the deposit, fragment, only the main
stone she was allowed to fall. On the green side
is sep. or siliceous, or sp. which is about 5 yds.

Deposit 66 mi. green marble.

19-7-45 Rhoads Jade Deposit

The jade occurs in a small (10 x 3-4') pit in
the slope of a small, gentle knoll. It appears to
be about 6" to 10" wide and is in contact with a
granite or granite pegmatite. The pegmatite is
banded and looks like marble - similar to that
at Harrison - but black jade deposit.

On the slope and up over the crest of the
knoll is a broad zone of black basic rock, which
may be the subvolcanic diorite. It contains white
crystals of feldspar, which are probably quartzite
from the pegmatite. The pegmatite re-granite
 crops out as bands striking N.E.-S.W. and is parallel
to the strike of the diorite.

About 1/2 mile N.E. of the pit, at the location, there
are two or three bands of serpentine. The sections
parallel to the other rocks and have been con-
siderably altered in places to anthophyllite,
truscite or talc, and state the serpentine
looks a great deal like jade but is not found
in the immediate vicinity of jade either here or
on Harrison - but is olive-green jade.