A. F. Hagner, 1942
MR 42-9

Dolomite (Romsa Ranch - was Boyd Ranch) - Sec. 8, T. 22, R. 70.

1-a Quarter corner, 1/2 mi. between Sec. 5 and Sec. 8, NE corner of the NW 1/4 of Sec. 8 (Granite).
2-b Pt on ridge SW of /1. Granite Valley 30' N. (NW of dam)
3-c Pt exactly 1/2 way across earth-fill dam which is 175' (measured) across, 10' wide at top and about 40'-50' wide at the base, 20' high in center.
4-d Pt in stream (2' wide) which flows rate dam. With dam full or partly full, this would be under water.
5-e Pt on ridge SE of dam - Granite. Part way up slope.
6-f NW edge of dolomite lens on ridge E. of 5. This lens ends here but continues across creek on hill to the W. Lens is 55' thick and extends 55' to the S. Granite surrounds dolomite. Some Mg-silicates in dolomite, but only locally (tremolite, activolite, serpentine).
7-g N edge of dolomite mass - extends on S side of hill - obscured from instrument - to the SE 45' thick here.
8-h Pt along S edge of large dolomite mass - Gr to S.
9-1 " " " " " " " " " " " ".
10-j " " N " " " " " Gr to N. but is only 12' wide N of granite "dike" is marble (on N and S sides of ridge). This pt is on top of ridge. This marble band apparently continues W. to /1. Station /1 is on granite which splits dolomite band in two. There is dolomite to the N and S as on this hill.
11-k Pt in granite dike about 10' wide and NE of dike at 10. There is a small (10'x10') granite mass 40' W of 11.
12-l Another granite dike about 10' wide NE of 11. There is a small (5' wide and 30' long - E-W) between 11 and 12.
13-m N edge of the several E-W trending dolomite bands. Between 12 and 13 there is a small (6'x2') quartzite lens. Actually there is one more dolomite band N of here about 20'. The granite dike here is about 10' wide.
14-n Pt W of 13 where granite mass at 13 ends.
15-o Pt in creek - granite. No dolomite N of here.
16-p S end main dolomite mass. W of 8 and 9. Dip very steep.
17-q Main dolomite mass pinches out here. Creek 45' SW.
18-r W edge main dolomite mass.
19-s " " " " ". Center granite mass 6' thick.
20-t W edge granite dike; extends from 19 to 20. About 8' wide. Extends SW for 20' further. Gr extends 55' E of 19 along 19-20 line.
21-u E "end" granite dike about 5' wide and extends for 50' in line and toward /1.
22-v N end main dolomite mass. Hb schist to N.
23-w N end of dolomite mass just N of main one. Granite to N.
24-x " " " " " E of 23.
25-y SE end of Hb schist mass.
26-z NE " " " " ".
27-a' NW " " " " ". Extends 30' toward /1 where it terminates in creek.

28-b' SW end Hb schist mass. Probably extends 80' to creek.
29-c' Pt in trail.
30-d' E end dolomite mass 20' thick (center).
31-e' W " " " " " " . Probably extends E and W. but is covered by QAl.
32-f' E end dolomite mass S of 31.
33-g' Granite-dolomite contact. Gr. to S.
34-h' " " " " " " W of 33. Dolomite about 20' wide. Rod on belt.
35-i" Granite-dolomite contact. Dolomite pinches out to W about 15'. Rod on belt. Gr. to N.
36-j' Granite-dolomite contact. Gr. to N. Probably connects with dolomite mass to E - Pt 31.
37-k' W end granite dike about 12' wide. Probably extends 15' further N to gully. Gully 10' lower than 38.
38-l' E end of 37. Probably continues E.
39-m' Eastward continuation of 38. Here gr. is 20' wide.
40-n' Granite mass about 20' wide. Connects with next to last Northern gr. "dike".
41-o' TP
42-p' Gr. dike probably connects with 39. Another dike 20' to S.
43-q' W end of gr. mass 20' S of 42.
44-r' Pt in main gr. mass which forms crest of hill - 5' wide. Mass 18 ends 30' W of 45 (2' wide).

1 TP
2 Dolomite-granite contact at N end of deposit. Actually there is a small dolomite band just N of here. Contact irregular.
3 Pt where "2nd" gr. dike lenses out (2' wide).
4 " " 3rd " " " " (10' wide). Cont. across gully on other side.
5 Where main gr. dike atop ridge lenses out. Cont. across on other hill.
6 S end main dolomite mass - Gr. contact.
7 " " " " " " " . Dolomite cont. about 30' E of this pt. Obscured from /2.
8 Hb schist 40' E of here in direct line with /2. Hb schist is about 30' wide (?). Extends S 20° E. for 40' from pt. Also probably, as a band toward /2.
9 Granite 12' thick extends to /2 and E. At this pt. the Hb schist of 8 lenses out. It is in contact with G. G to N.
10 Dol-Gr contact - Northern limit od Dol - Last "main" dol. mass ends 30' toward /2.
11 Gr dike SE of 11.
12 Pt in gully (Dol.) Gr. dike 25' in line with /2, but away from a V.
13 Gr. dike E. of 12 - same one - (12' wide). Dolomite is cut off E of here - starts again on next hill E but is narrowed. There is more gr. Dol. here has more silicate than to the W.
14 Same mass as /2 but E.
15 S end main dolomite mass. Main dolomite seems to be consistently fairly pure. To north here there are silicates.

16 S end main dolomite mass.
17 Gully 30' toward /2 in line. 10' below this pt.
18 Same as 8. Hb schist 40' toward /2. 60' S 20' E from pit.

The Boyd dolomite is situated 26 miles by road from Wheatland. It is 1/4 mile from a road and 14 mile from a railroad.

The main dolomite outcrop on the hill just E of the dam seems to be fairly wide (see map) and of good quality. It was not sampled because the Bur. of Mines and Metals Reserve have done this and made analyses.

There are a few narrow (up to 2'-3') stringers of granite, quartz, or hb-schist not mapped, but these could easily be removed in quarrying.

To the East and West of the area mapped, the dolomite becomes narrower and partly pinches out. Also, a larger percentage of silicates (tremolite, activolite, serpentine and asbestos) are present.

Dolomite (Romsa Ranch - was Boyd Ranch) S8 T22, R70

6-VIII-42 (1) a Quarter corner ½ mi. bet. S5 & S8 NE cor. of the NW¼ of S8. (Granite

2-b Pt. on ridge 5" W of △. Granite Valley 30' N. (NW. of dam

3-c Pt. exactly ½ way across earth-fill dam which is 175' (measured) across, 10' wide at top and about 40-50' wide at the base. 20' high in center

4-d Pt. in stream (2' wide) which flows into dam. With dam full or partly full this would be under water.

5-e Pt. on ridge SE of dam. Granite. Part way up slope.

6-f NW edge of dolomite lens on ridge E of 5. This lens ends here but continues across creek on hill to the W. Lens is 55' thick + extends 55' to S. Granite surrounds dolomite. Some Mg-silicates in dolomite but only locally (tremolite, actinolite, serpentine)

7-g N edge of dolomite mass. Extends on S side of hill - obscured from instrument - to the SE 45' thick here

8-h Pt. along S edge of large dolomite mass. Gr to S

9-i " " " " "

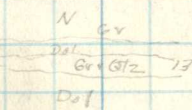
10-j " N. " " " Gr to N. but is only 12' wide N of granite "dike" is marble (On N + S sides of ridge) This pt is on top of ridge. This marble band apparently continues W to △. Station △ is on granite which splits dolomite band in two. There is dolomite to the N + S on this hill

11-k Pt in granite dike about 10' wide and NE of dike at 10.
There is a small (10'x10') granite mass 40' W of 11

12-l Another granite dike about 10' wide NE of 11 There is a
small (5' wide + 30' long - E-W) between 11 + 12

13-m N edge of the several E-W trending dolomite bands. Bet
12 + 13 there is a small (6'x2') quartzite lens Actually
there is one more dolomite band N of here about 20' The
granite dike here is about 10' wide

14-n Pt W of 13 where granite mass at 13 ends.



15-o Pt in creek Granite No dolomite N of here

16-p S end main dolomite mass W of 8 + 9. Dip very steep.

17-q Main dolomite mass pinches out here. Creek 45' SW

18-r W edge main dolomite mass.

19-s " " Center granite mass 6' thick.

20-t W edge granite dike; extends from 19 to 20. About 8' wide. Extends
SW for 20' further. It extends 55' E of 19 along 19-20 line

21-u E end granite dike about 5' wide & extends for 50' in line + toward [illegible]

22-v N end main dolomite mass [illegible]

23-w N end of dolomite mass just N of main one. Granite to N.

24-x " " " E of 23

25-y SE end of NE dolomite mass

26-z NE " " "

27-a' NW " " " Extends 30' toward E where it terminates in creek.

28-b' SW end NE dolomite mass. Both extends 80' to creek

29-c' W in trail.

30-d' E end dolomite mass 20' thick (scale)

31-e' W " " " " Probably extends E & W but is covered by Qal.

32-f' E end dolomite mass Sy 31

33-g' Granite-dolomite contact. Qal to S.

34-h' " " " " W of 33. Dolomite (contact) about 20' wide. Rod on belt

35-i' granite-dolomite contact. Dolomite pendant to W about 15'. Rod on belt. Qal to N.

36-j' granite-dolomite contact Qal to N. Probably connects with dolomite mass to E - P 31

37-k' W end granite dike about 12' wide. Probably extends to 'junction N to gully. Sadly 10' lower than 38

38-l' E end of 37. Probably continues E.

39 - Eastward continuation of 38. Here gr. is 20' wide

40 - Granite mass about 20' wide Connects with
next to
38-39 East Northern gr. "dike".

41 - 0' T.P.

42 - Gr dike probably connects with 39/40. Another dike 20'
to S.

43 - W end of gr. mass 20' S of 42

44 - Gr in main gr. mass which forms crest of hill. 5' wide
Mass gr. ends 30' W of 45 (2' wide)

7-VIII-42 1- T.P. (41 of 6-VIII-42)

2- Dolomite - granite contact at N end of deposit. Actually there is a small dolomite band just N of here. Contact irregular.

3- Pt where 2nd gr. dike lenses out (2' wide)

4- " " 3rd " " " (10' ") Cont across gully on other side -

5- Where main gr dike atop ridge lenses out. Cont across on other side

6- S end main dolomite mass - gr.-contact -

7- " " " Dol.-cont.
about 30' E of this pt. Observed from △

8- Hb Schist 40' E of here in direct line w. △. Hb Schist is about 30' wide (?) Extends S 20° E for 40' from pt. Also, probably, as a band toward △.

9- Granite 12' thick extends to △ & E. At this pt. the Hb Schist is 8 [illegible] [illegible] - It is in contact with Gr. G & N.

10- Dol-Gr contact - Northern limit of Dol - last main dol mass ends 30' toward △

11- Pt in gully (Dol.) Gr. dike 25' in line with △ but away from it.

12- Gr dike SE of 11

13- Gr dike E of 12 [illegible] [illegible] - (2' wide) Dol. is cut off E of here - starts again on next hill E but is narrower - there is more Gr. Dol here has more silicates than to the W

14- Same mass as △, but E

15- Small main dol mass. Main Dol. seems to be coarse, fairly pure. To N here there are silicates

16- Small main Dol mass

17- Gully 30' toward △ in line. 10' below this pt.

18 Same as 8. Hb Schist 40' toward △ 40' S 20° E from 8

The Boyd Dolomite is situated 2½ miles by road from [illegible]. It is ½ mile from a road and 14 mi from a railroad.

The main dolomite outcrop on the hill just E of the dam seems to be fairly wide (see map) & of good quality. It was not sampled because the Bur. of Mines & Metals Reserve have done this & made analyses.

There are a few narrow (up to 2'-3') stringers of granite, quartz, or lib-schist not mapped but these could easily be removed in quarrying.

To the East and West of the area mapped the dolomite becomes narrower and partly pinches out. Also, a larger percentage of silicates (tremolite, actinolite, serpentine and asbestos) is present.