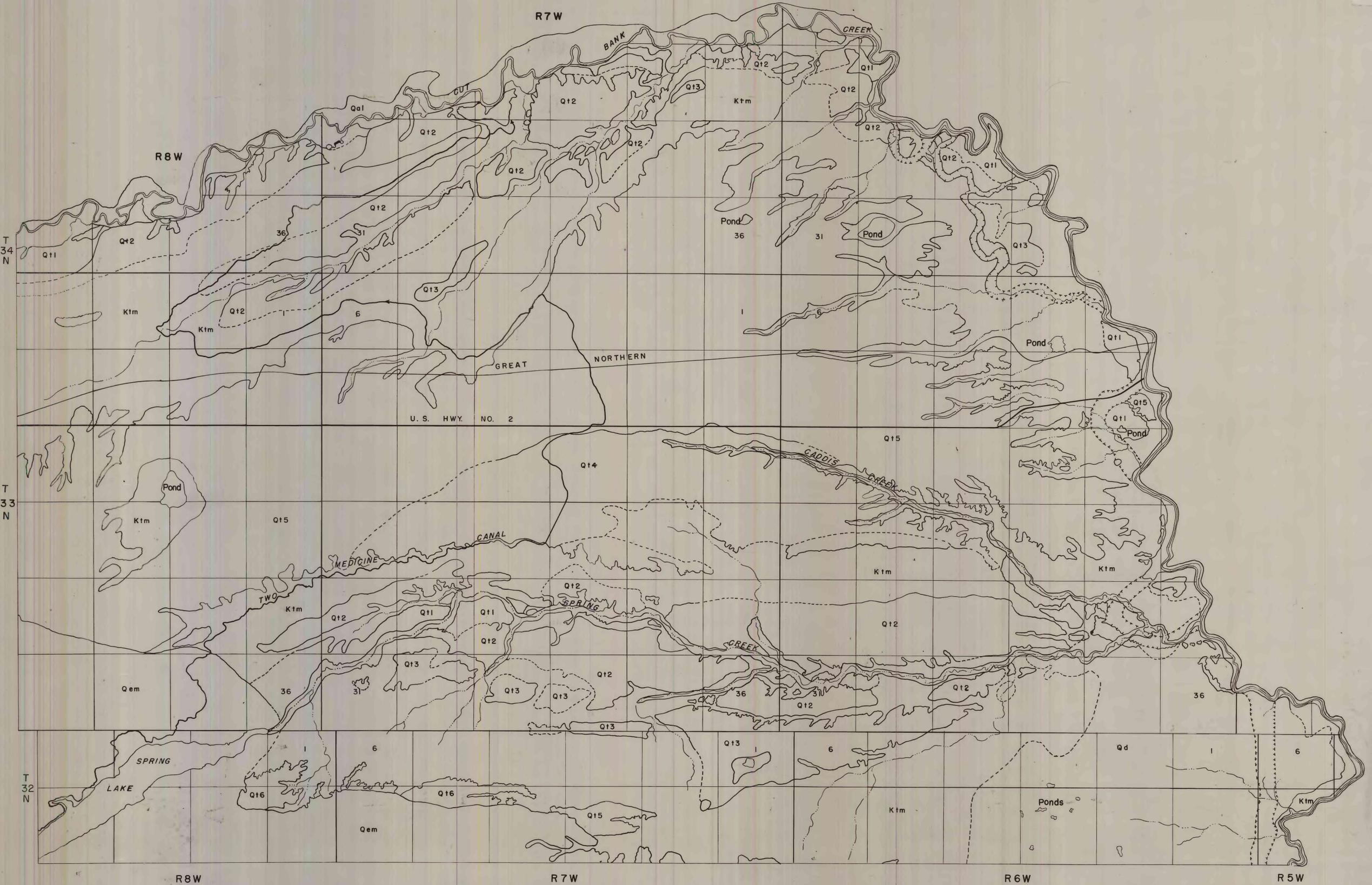


EXPLANATION



- Qa1**
Alluvium
Sand, gravel, and silt. Coarsest materials occur in channel of Cut Bank Creek.
- Q11**
Terrace deposit number one
Underlies first stream terrace above Cut Bank Creek. Consists mainly of rounded pebbles and cobbles of quartzite and other resistant rocks from the mountains to the west.
- Q12**
Terrace deposit number two
Underlies second stream terrace above Cut Bank Creek. Best developed in the valley of Spring Creek. Similar in lithology to terrace deposit number one but more widespread; may be glacial outwash in part.
- Qem**
End moraine
Underlies typical knob-and-kettle topography with some well-defined ridges. Composed mostly of till derived from mountains to the west.
- Qd**
Glacial drift undifferentiated
Deposited by continental ice sheet. Consists mostly of dark-brown clayey till containing granite and limestone fragments. Includes yellow to brown lake silt in abandoned segments of Cut Bank Creek valley.
- Q13**
Terrace deposit number three
Underlies third stream terrace above Cut Bank Creek. Consists of subrounded pebbles and cobbles of quartzite and other resistant rocks derived from mountains to the west.
- Q14**
Terrace deposit number four
Underlies fourth stream terrace above Cut Bank Creek. Forms a part of Seville Bench but is 15 to 20 feet below main level of bench. Consists of two units where exposed; an upper unit of clay, silt, sand, and scattered pebbles and cobbles, and a lower unit of coarse gravel and cobbles derived from mountains to the west.
- Q15**
Terrace deposit number five
Underlies fifth stream terrace above Cut Bank Creek. Forms the main level of Seville Bench and is the extensive terrace deposit in the area. Lithology is similar to that of the fourth terrace deposit but contains more coarse material.
- Q16**
Terrace deposit number six
Underlies the sixth and highest terrace above Cut Bank Creek. Lithology is similar to that of lower terrace deposits.
- Ktm**
Two Medicine Formation
Forms the bedrock throughout the mapped area. Composed of greenish-gray sandstone and shale with thin sandstone beds in the western part and massive gray sandstone in the gorge of Cut Bank Creek in the eastern part.

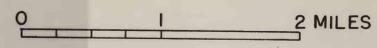


FIGURE 5.--GEOLOGIC MAP OF TWO MEDICINE IRRIGATION UNIT AND ADJACENT AREAS, GLACIER COUNTY, MONTANA