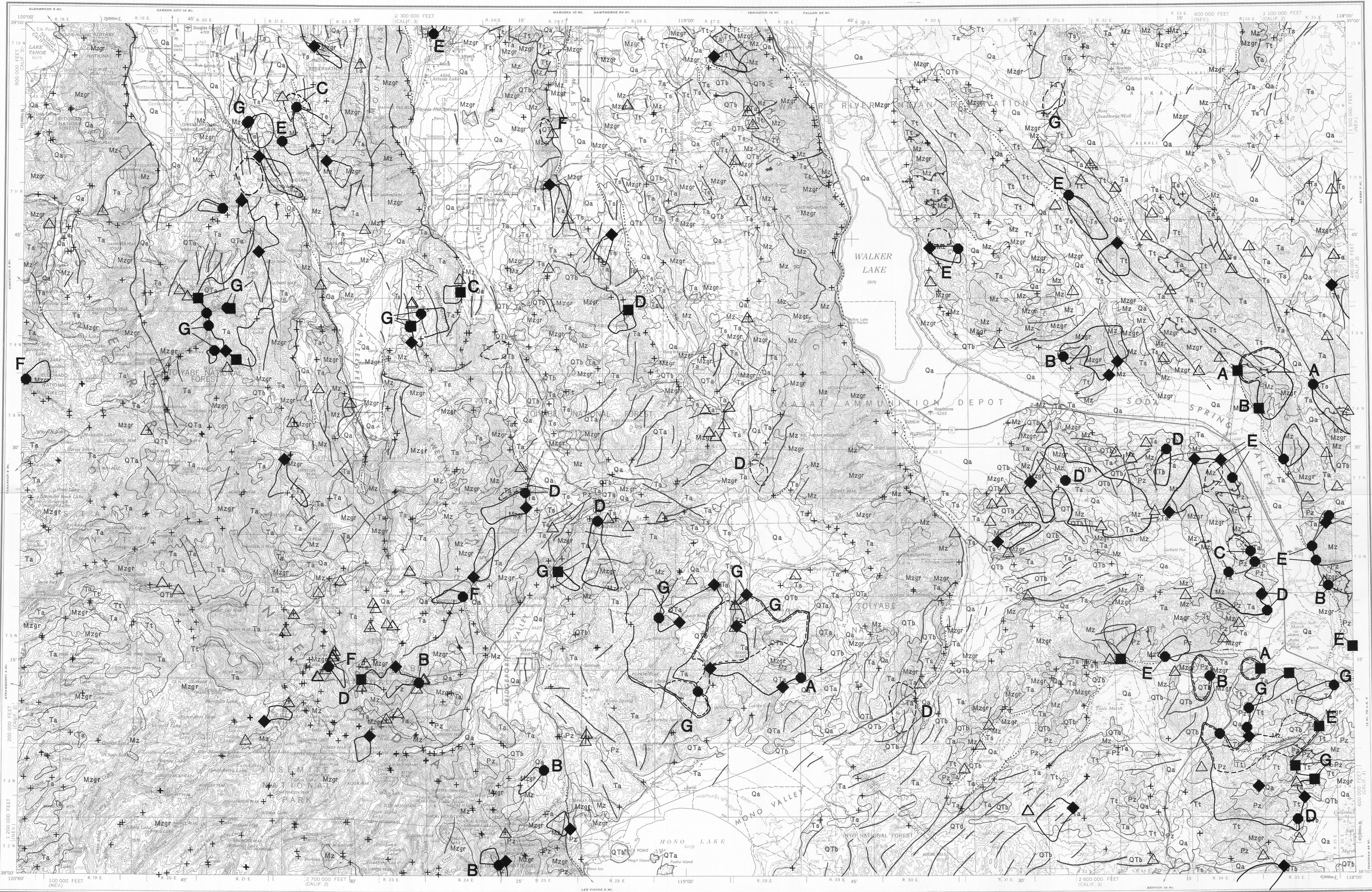




MAP F. DISTRIBUTIONS OF ANTIMONY IN MINUS-60-MESH (0.25-MM) STREAM SEDIMENT AND IN NONMAGNETIC HEAVY-MINERAL CONCENTRATE

EXPLANATION

SAMPLE LOCALITY AND BOUNDARY AND DOMINANT LITHOLOGY OF ASSOCIATED DRAINAGE BASIN—Antimony in stream sediment is at center of plotted symbol. Figure 3 shows concentration ranges represented by locality symbols. Solid outline indicates stream-sediment antimony; dashed outline indicates concentrate antimony (concentrations in ppm in concentrate samples). Letter indicates lithology keyed to table 1.

Table 1.—Summary of the dominant source-rock lithology present in the drainage basins upstream from the most metal-rich sample localities shown on the map

It indicates rock type present; letters 1–3 indicate rock type not present in significant exposure to that area. Area is considered to be anomalous only as a result of sample contamination.

Lithology symbol	Paleozoic and Mesozoic rocks	Mesozoic igneous rocks	Tertiary volcanic rocks
A	X	X	X
B	X	X	X
C	X	X	X
D	X	X	X
E	X	X	X
F	X	X	X
G	X	X	X

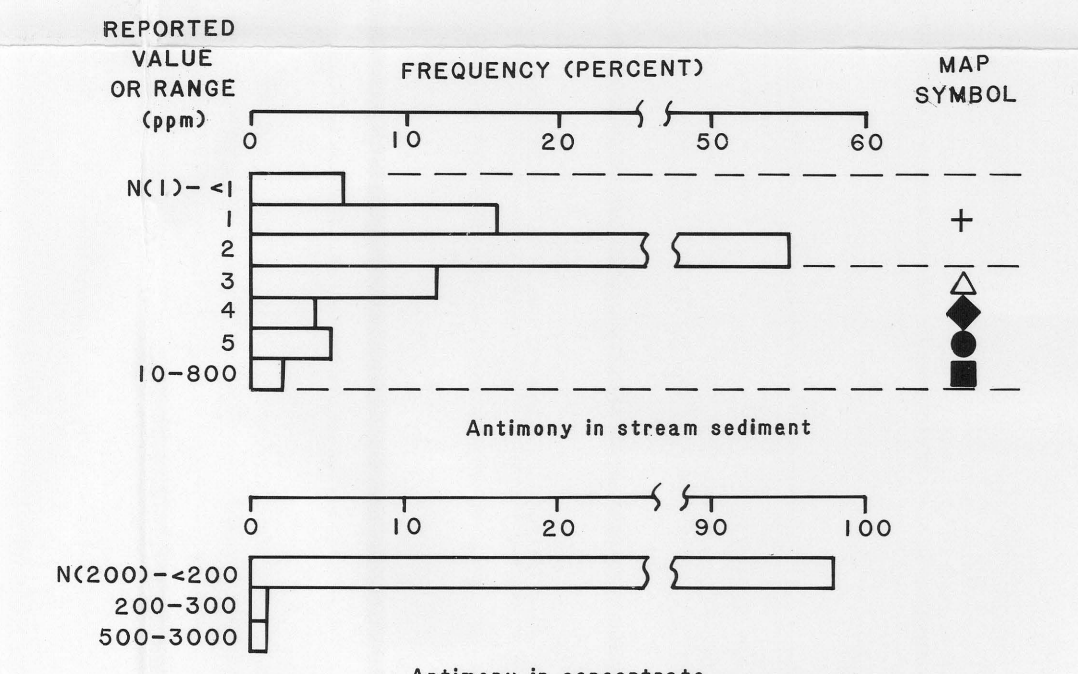
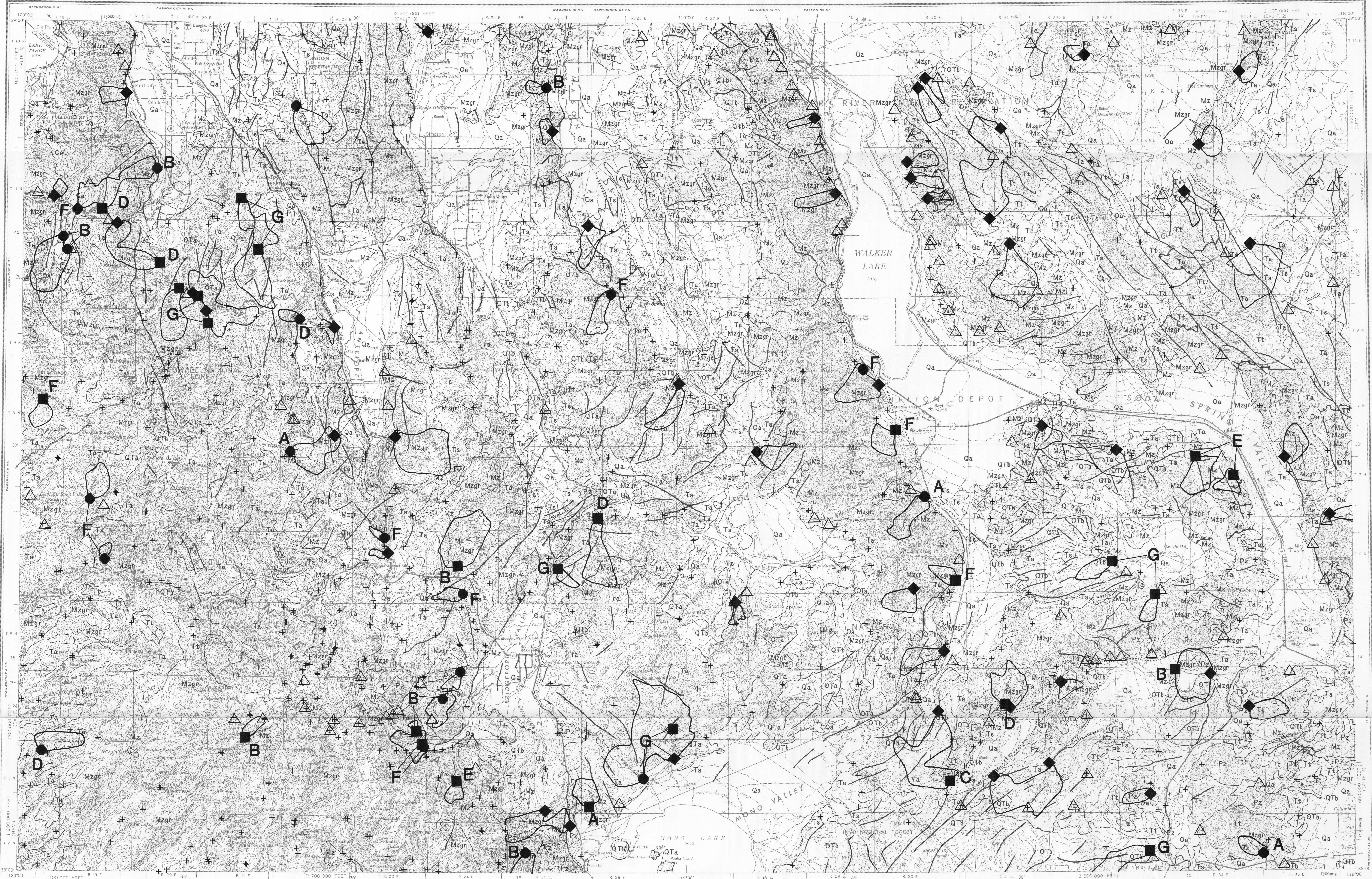


Figure 3.—Frequency-distribution histograms for antimony in samples of stream sediment and concentrate. X, not detected at lower limit of determination shown in parentheses. Dashed symbols indicate those concentrations considered to be anomalous.



MAP G. DISTRIBUTION OF BISMUTH IN MINUS-60-MESH (0.25-MM) STREAM SEDIMENT

EXPLANATION

SAMPLE LOCALITY AND BOUNDARY AND DOMINANT LITHOLOGY OF ASSOCIATED DRAINAGE BASIN—Bismuth in stream sediment is at center of plotted symbol. Figure 3 shows concentration ranges represented by locality symbols. Letter indicates lithology keyed to table 1.

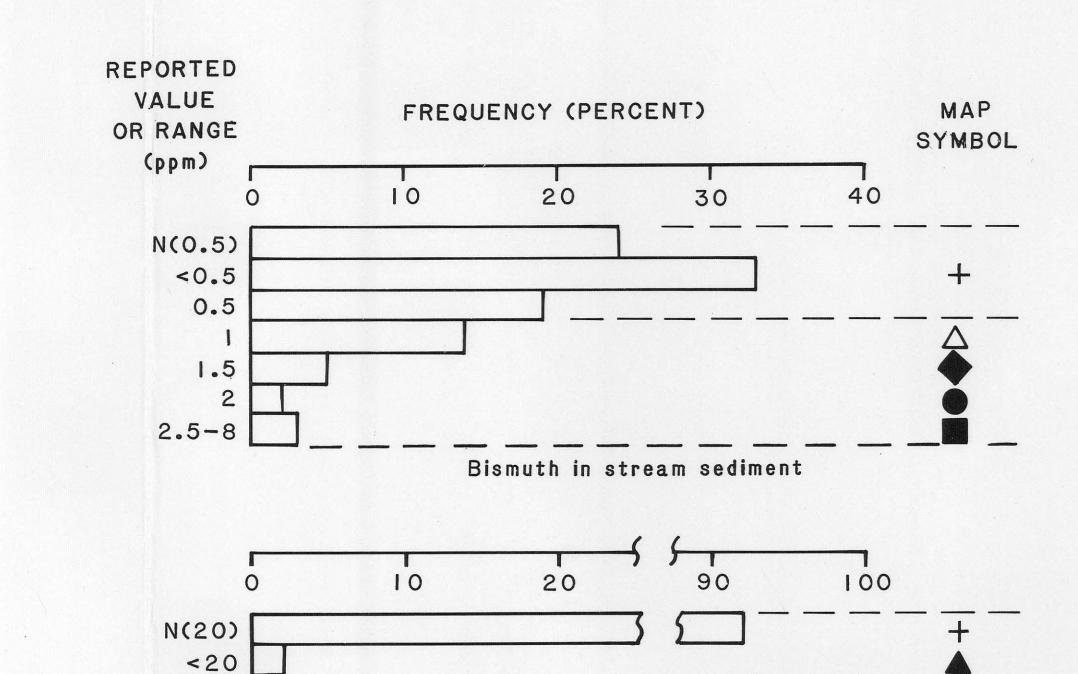
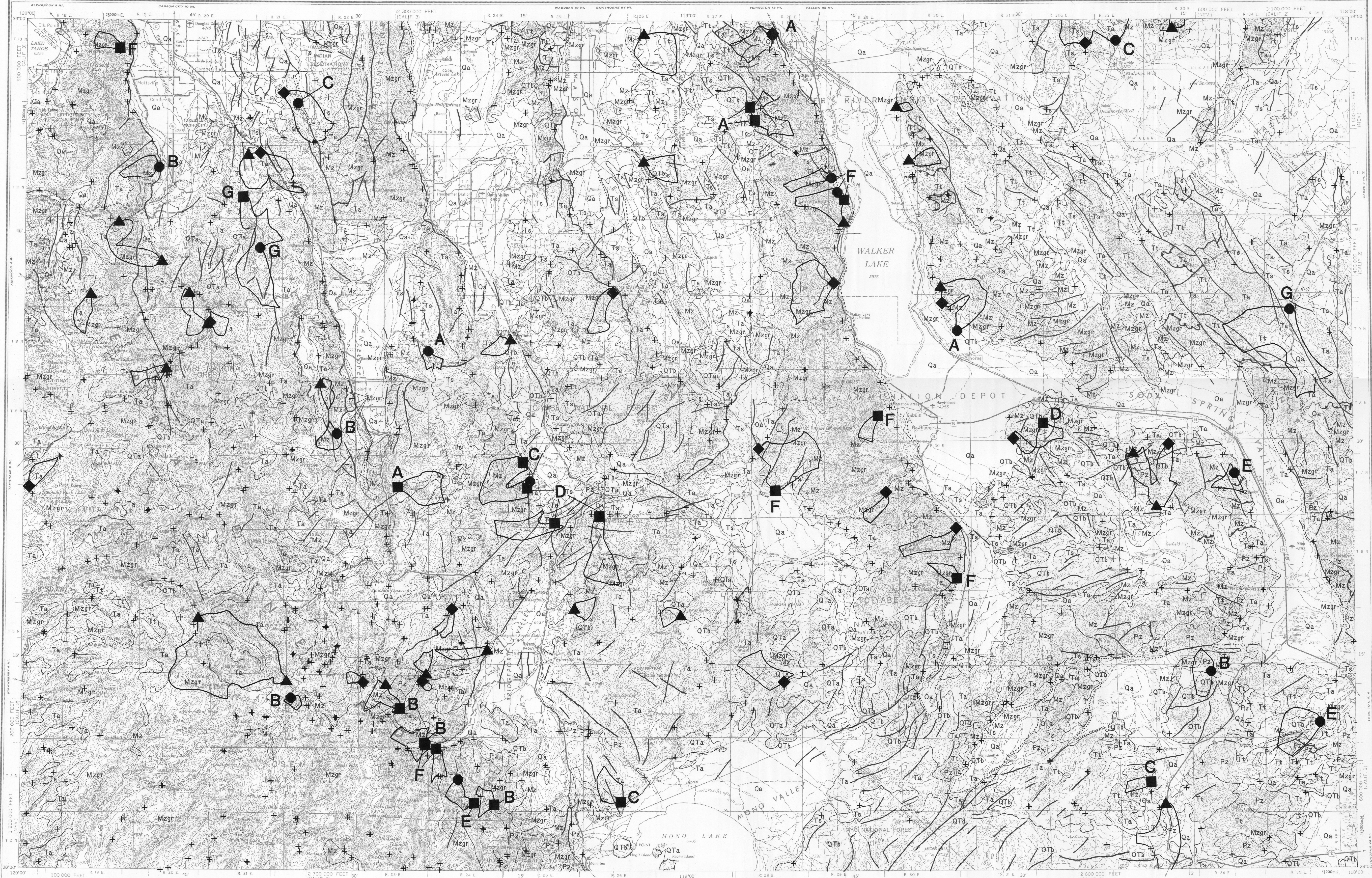


Figure 3.—Frequency-distribution histograms for bismuth in samples of stream sediment and concentrate. X, not detected at lower limit of determination shown in parentheses. Dashed symbols indicate those concentrations considered to be anomalous.



MAP H. DISTRIBUTION OF BISMUTH IN NONMAGNETIC HEAVY-MINERAL CONCENTRATE

EXPLANATION

SAMPLE LOCALITY AND BOUNDARY AND DOMINANT LITHOLOGY OF ASSOCIATED DRAINAGE BASIN—Bismuth in nonmagnetic heavy-mineral concentrate is at center of plotted symbol. Figure 3 shows concentration ranges represented by locality symbols. Letter indicates lithology keyed to table 1.

Note: The following correlation and description of map units are for the geologic base map shown in gray.

Geologic Unit	Quaternary	Tertiary	Mesozoic	Paleozoic
Qa	Qa	Ta	Ts	Ms
Qb	Qb	Tb	Tb	Ms
Qc	Qc	Tc	Tc	Ms
Qd	Qd	Td	Td	Ms
Qe	Qe	Te	Te	Ms
Qf	Qf	Tf	Tf	Ms
Qg	Qg	Tg	Tg	Ms
Qh	Qh	Th	Th	Ms
Qi	Qi	Ti	Ti	Ms
Qj	Qj	Tj	Tj	Ms
Qk	Qk	Tk	Tk	Ms
Ql	Ql	Tl	Tl	Ms
Qm	Qm	Tm	Tm	Ms
Qn	Qn	Tn	Tn	Ms
Qo	Qo	To	To	Ms
Qp	Qp	Tp	Tp	Ms
Qq	Qq	Tq	Tq	Ms
Qr	Qr	Tr	Tr	Ms
Qs	Qs	Ts	Ts	Ms
Qt	Qt	Tt	Tt	Ms
Qu	Qu	Tu	Tu	Ms
Qv	Qv	Tv	Tv	Ms
Qw	Qw	Tw	Tw	Ms
Qx	Qx	Tx	Tx	Ms
Qy	Qy	Ty	Ty	Ms
Qz	Qz	Tz	Tz	Ms

DESCRIPTION OF MAP UNITS
Qa ALLUVIAL, LACUSTRINE, EOLIAN, LAMAR, AND GLACIAL DEPOSITS, UNDIVIDED (QUATERNARY)—As mapped locally includes uppermost Tertiary gravel (QUATERNARY).
Qb ALLUVIAL, LACUSTRINE, EOLIAN, LAMAR, AND GLACIAL DEPOSITS, UNDIVIDED (QUATERNARY)—As mapped locally includes uppermost Tertiary gravel (QUATERNARY).
Qc ALLUVIAL, LACUSTRINE, EOLIAN, LAMAR, AND GLACIAL DEPOSITS, UNDIVIDED (QUATERNARY)—As mapped locally includes uppermost Tertiary gravel (QUATERNARY).
Qd ALLUVIAL, LACUSTRINE, EOLIAN, LAMAR, AND GLACIAL DEPOSITS, UNDIVIDED (QUATERNARY)—As mapped locally includes uppermost Tertiary gravel (QUATERNARY).
Qe ALLUVIAL, LACUSTRINE, EOLIAN, LAMAR, AND GLACIAL DEPOSITS, UNDIVIDED (QUATERNARY)—As mapped locally includes uppermost Tertiary gravel (QUATERNARY).
Qf ALLUVIAL, LACUSTRINE, EOLIAN, LAMAR, AND GLACIAL DEPOSITS, UNDIVIDED (QUATERNARY)—As mapped locally includes uppermost Tertiary gravel (QUATERNARY).
Qg ALLUVIAL, LACUSTRINE, EOLIAN, LAMAR, AND GLACIAL DEPOSITS, UNDIVIDED (QUATERNARY)—As mapped locally includes uppermost Tertiary gravel (QUATERNARY).
Qh ALLUVIAL, LACUSTRINE, EOLIAN, LAMAR, AND GLACIAL DEPOSITS, UNDIVIDED (QUATERNARY)—As mapped locally includes uppermost Tertiary gravel (QUATERNARY).
Qi ALLUVIAL, LACUSTRINE, EOLIAN, LAMAR, AND GLACIAL DEPOSITS, UNDIVIDED (QUATERNARY)—As mapped locally includes uppermost Tertiary gravel (QUATERNARY).
Qj ALLUVIAL, LACUSTRINE, EOLIAN, LAMAR, AND GLACIAL DEPOSITS, UNDIVIDED (QUATERNARY)—As mapped locally includes uppermost Tertiary gravel (QUATERNARY).
Qk ALLUVIAL, LACUSTRINE, EOLIAN, LAMAR, AND GLACIAL DEPOSITS, UNDIVIDED (QUATERNARY)—As mapped locally includes uppermost Tertiary gravel (QUATERNARY).
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Qs ALLUVIAL, LACUSTRINE, EOLIAN, LAMAR, AND GLACIAL DEPOSITS, UNDIVIDED (QUATERNARY)—As mapped locally includes uppermost Tertiary gravel (QUATERNARY).
Qt ALLUVIAL, LACUSTRINE, EOLIAN, LAMAR, AND GLACIAL DEPOSITS, UNDIVIDED (QUATERNARY)—As mapped locally includes uppermost Tertiary gravel (QUATERNARY).
Qu ALLUVIAL, LACUSTRINE, EOLIAN, LAMAR, AND GLACIAL DEPOSITS, UNDIVIDED (QUATERNARY)—As mapped locally includes uppermost Tertiary gravel (QUATERNARY).
Qv ALLUVIAL, LACUSTRINE, EOLIAN, LAMAR, AND GLACIAL DEPOSITS, UNDIVIDED (QUATERNARY)—As mapped locally includes uppermost Tertiary gravel (QUATERNARY).
Qw ALLUVIAL, LACUSTRINE, EOLIAN, LAMAR, AND GLACIAL DEPOSITS, UNDIVIDED (QUATERNARY)—As mapped locally includes uppermost Tertiary gravel (QUATERNARY).
Qx ALLUVIAL, LACUSTRINE, EOLIAN, LAMAR, AND GLACIAL DEPOSITS, UNDIVIDED (QUATERNARY)—As mapped locally includes uppermost Tertiary gravel (QUATERNARY).
Qy ALLUVIAL, LACUSTRINE, EOLIAN, LAMAR, AND GLACIAL DEPOSITS, UNDIVIDED (QUATERNARY)—As mapped locally includes uppermost Tertiary gravel (QUATERNARY).
Qz ALLUVIAL, LACUSTRINE, EOLIAN, LAMAR, AND GLACIAL DEPOSITS, UNDIVIDED (QUATERNARY)—As mapped locally includes uppermost Tertiary gravel (QUATERNARY).

Geologic contact
High-angle fault—Dashed where concealed
Thrust or low-angle fault

Geologic contact
High-angle fault—Dashed where concealed
Thrust or low-angle fault

Geologic contact
High-angle fault—Dashed where concealed
Thrust or low-angle fault

Geologic contact
High-angle fault—Dashed where concealed
Thrust or low-angle fault

Geologic contact
High-angle fault—Dashed where concealed
Thrust or low-angle fault

Geologic contact
High-angle fault—Dashed where concealed
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