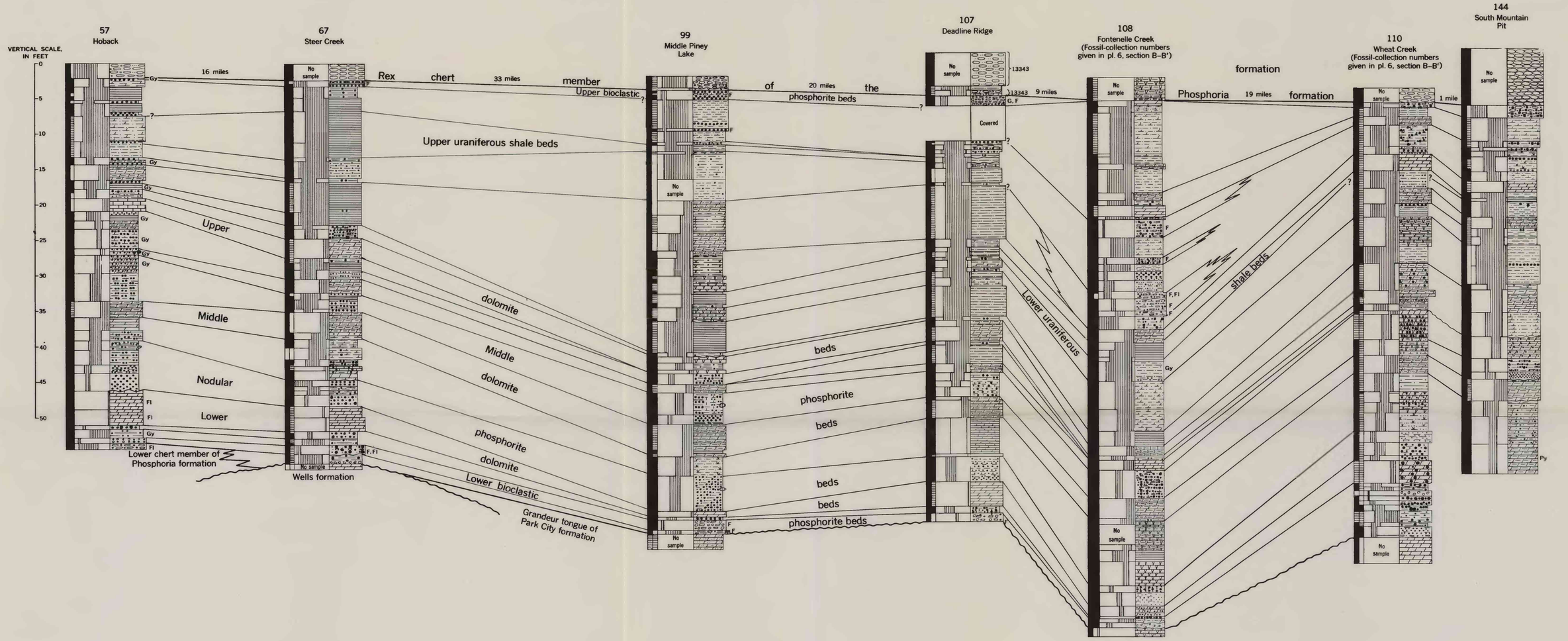
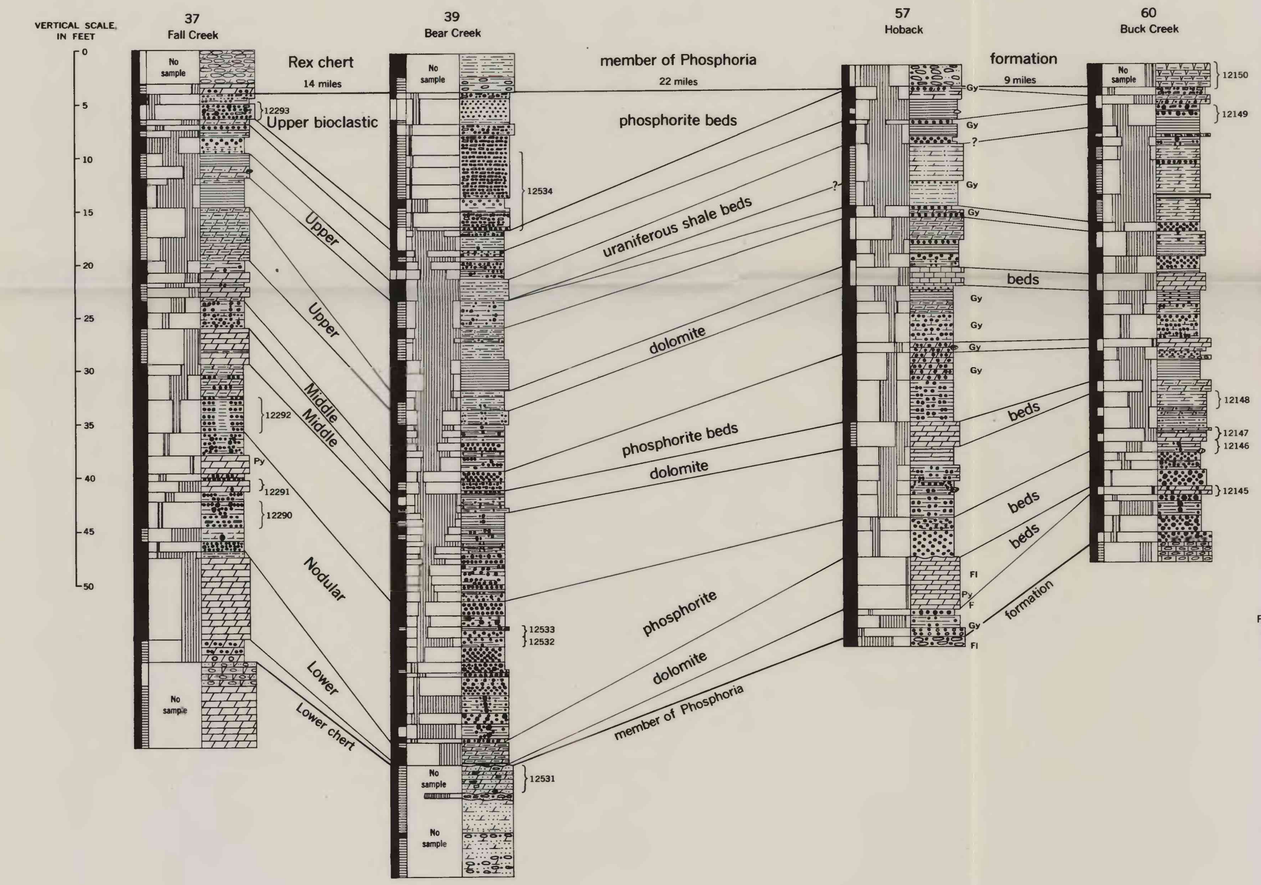
FROM HOBACK, WYOMING, TO SOUTH MOUNTAIN PIT, WYOMING



FROM FALL CREEK, IDAHO, TO BUCK CREEK, WYOMING



EXPLANATION

CORRELATION LINES

Member and formation contact — Queried where correlation is uncertain; undulate where contact is disconformable

Bed contact — Queried where correlation is uncertain; undulate where contact is disconformable

COLOR — At left of column; used where data are available

- Dark gray, black, brownish black
- Medium gray
- Light gray, white
- Moderate brown, brownish gray, yellowish brown, olive gray, olive brown
- Yellowish white, very pale orange, yellowish gray, grayish yellow

MINOR CONSTITUENTS — At right of column

- G, glauconitic
- Py, pyritic
- Gy, gypsiferous or anhydritic
- F, fossiliferous
- Fl, fouritic

HISTOGRAM SHOWING CHEMICAL ANALYSIS

100 — 0 Percent; Remainder — Acid insoluble; $P_2O_5 \times 2.56$

$P_2O_5 \times 2.56$ is apatite content; acid insoluble is quartz silicate; remainder is carbonate and organic matter

12145 — Fossil-collection number and interval collected — At right of column

ROCK HARDNESS — Used where data are available

- Soft
- Medium hard
- Hard

ROCK NAMES

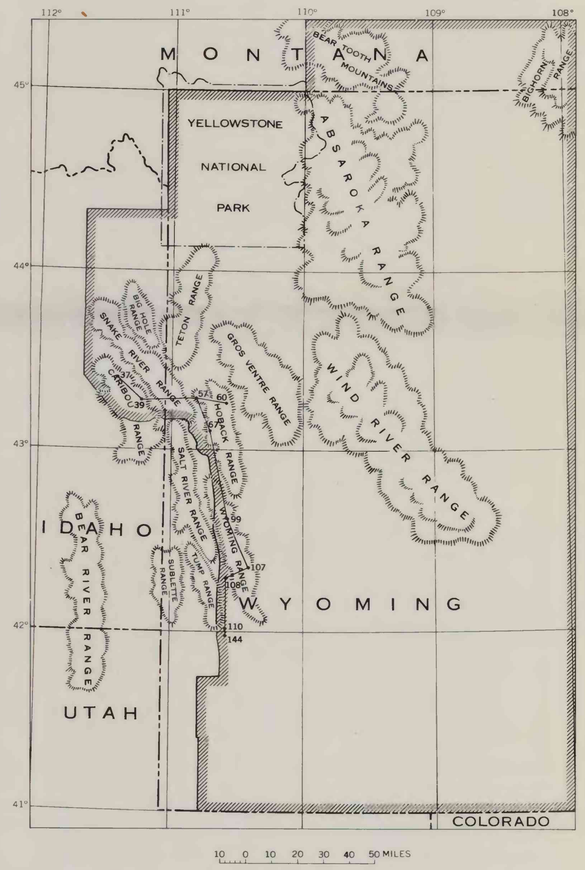
- Carbonate rock
- Limestone
- Dolomite
- Mudstone
- Siltstone
- Chert
- Sandstone
- Phosphorite: Bioclastic; Pisolitic; Medium to very coarse oolites; Very fine to fine oolites; Nodular; Medium to very coarse pellets; Very fine to fine pellets; Spheroidal
- Conglomerate

ADJECTIVES — Symbols used in combination with those in column at left

- Carbonatic
- Calcareous
- Dolomitic
- Argillaceous
- Silty
- Cherty
- Sandy
- Phosphatic symbols same as phosphorite except pattern is less dense
- Conglomeratic

BED CONTACTS — Shown within columnar section

- Gradational and indeterminate
- Sharp and planar
- Sharp and irregular



INDEX MAP SHOWING LOCATION OF AREA OF STUDY AND SECTIONS USED IN CORRELATION

CORRELATION OF THE MEADE PEAK PHOSPHATIC SHALE MEMBER OF THE PHOSPHORIA FORMATION, IDAHO AND WYOMING

665-261 O - 63 (In envelope)