

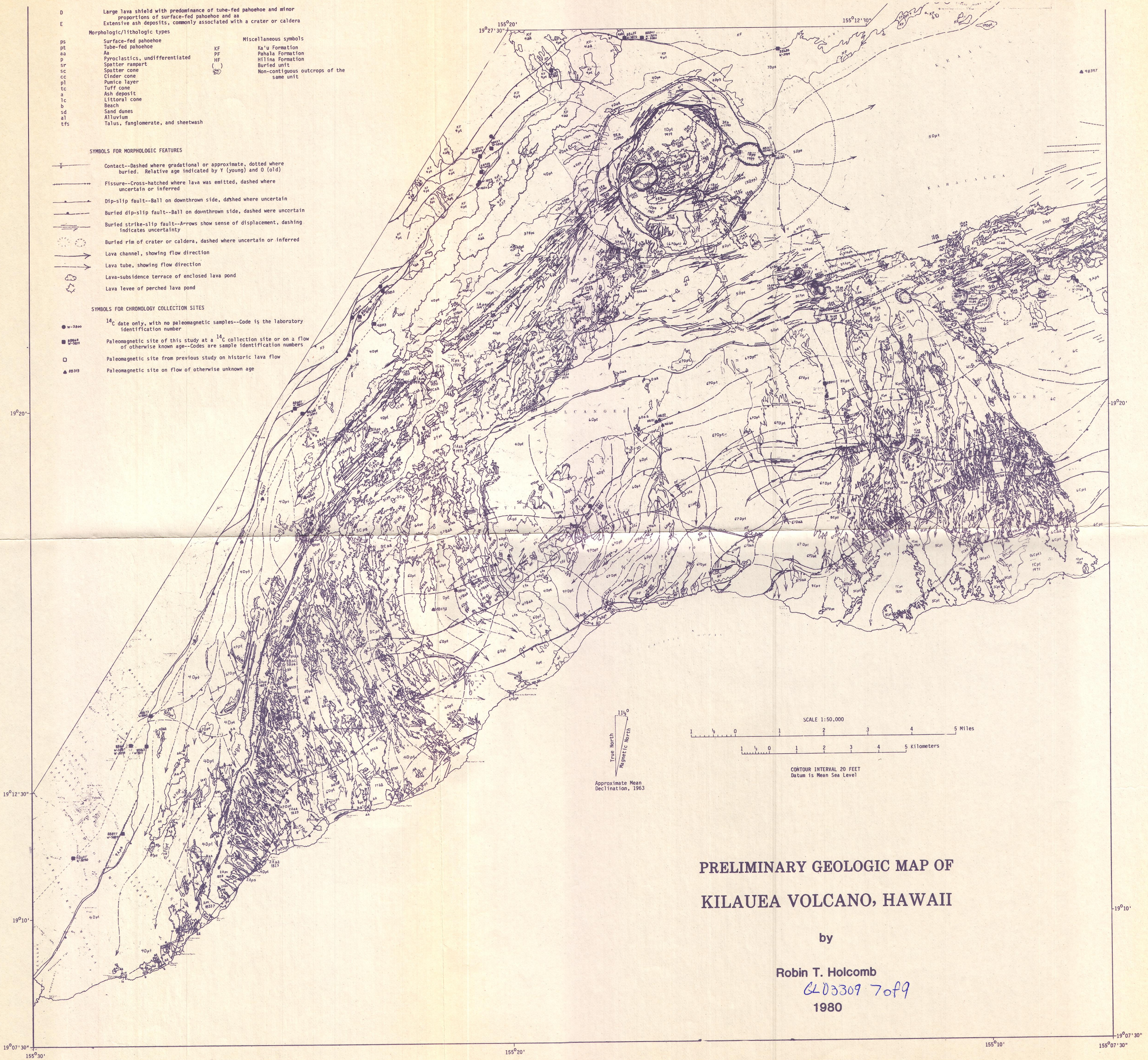
- D Large lava shield with predominance of tube-fed pahoehoe and minor proportions of surface-fed pahoehoe and aa  
 E Extensive ash deposits, commonly associated with a crater or caldera
- Morphologic/lithologic types
- |     |                                    |     |  |
|-----|------------------------------------|-----|--|
| ps  | Surface-fed pahoehoe               | KF  | Miscellaneous symbols                    |
| pt  | Tube-fed pahoehoe                  | PF  | Ka'u Formation                           |
| aa  | Aa                                 | HF  | Pahala Formation                         |
| p   | Pyroclastics, undifferentiated     | ( ) | Hilina Formation                         |
| sr  | Spatter rampart                    | ( ) | Buried unit                              |
| sc  | Spatter cone                       | ( ) | Non-contiguous outcrops of the same unit |
| cc  | Cinder cone                        |     |  |
| pl  | Pumice layer                       |     |  |
| tc  | Tuff cone                          |     |  |
| a   | Ash deposit                        |     |  |
| lc  | Littoral cone                      |     |  |
| b   | Beach                              |     |  |
| sd  | Sand dunes                         |     |  |
| al  | Alluvium                           |     |  |
| tfs | Talus, fanglomerate, and sheetwash |     |  |

SYMBOLS FOR MORPHOLOGIC FEATURES

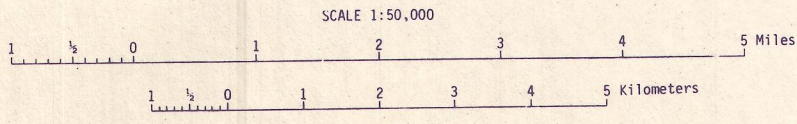
- Contact--Dashed where gradational or approximate, dotted where buried. Relative age indicated by Y (young) and O (old)
- Fissure--Cross-hatched where lava was emitted, dashed where uncertain or inferred
- Dip-slip fault--Ball on downthrown side, dashed where uncertain
- Buried dip-slip fault--Ball on downthrown side, dashed where uncertain
- Buried strike-slip fault--Arrows show sense of displacement, dashing indicates uncertainty
- Buried rim of crater or caldera, dashed where uncertain or inferred
- Lava channel, showing flow direction
- Lava tube, showing flow direction
- Lava subsidence terrace of enclosed lava pond
- Lava levee of perched lava pond

SYMBOLS FOR CHRONOLOGY COLLECTION SITES

- 14C date only, with no paleomagnetic samples--Code is the laboratory identification number
- Paleomagnetic site of this study at a 14C collection site or on a flow of otherwise known age--Codes are sample identification numbers
- Paleomagnetic site from previous study on historic lava flow
- ▲ Paleomagnetic site on flow of otherwise unknown age



True North  
 Magnetic North  
 Approximate Mean Declination, 1963



CONTOUR INTERVAL 20 FEET  
 Datum is Mean Sea Level

## PRELIMINARY GEOLOGIC MAP OF KILAUEA VOLCANO, HAWAII

by  
 Robin T. Holcomb  
 GLD3309 7 of 9  
 1980