

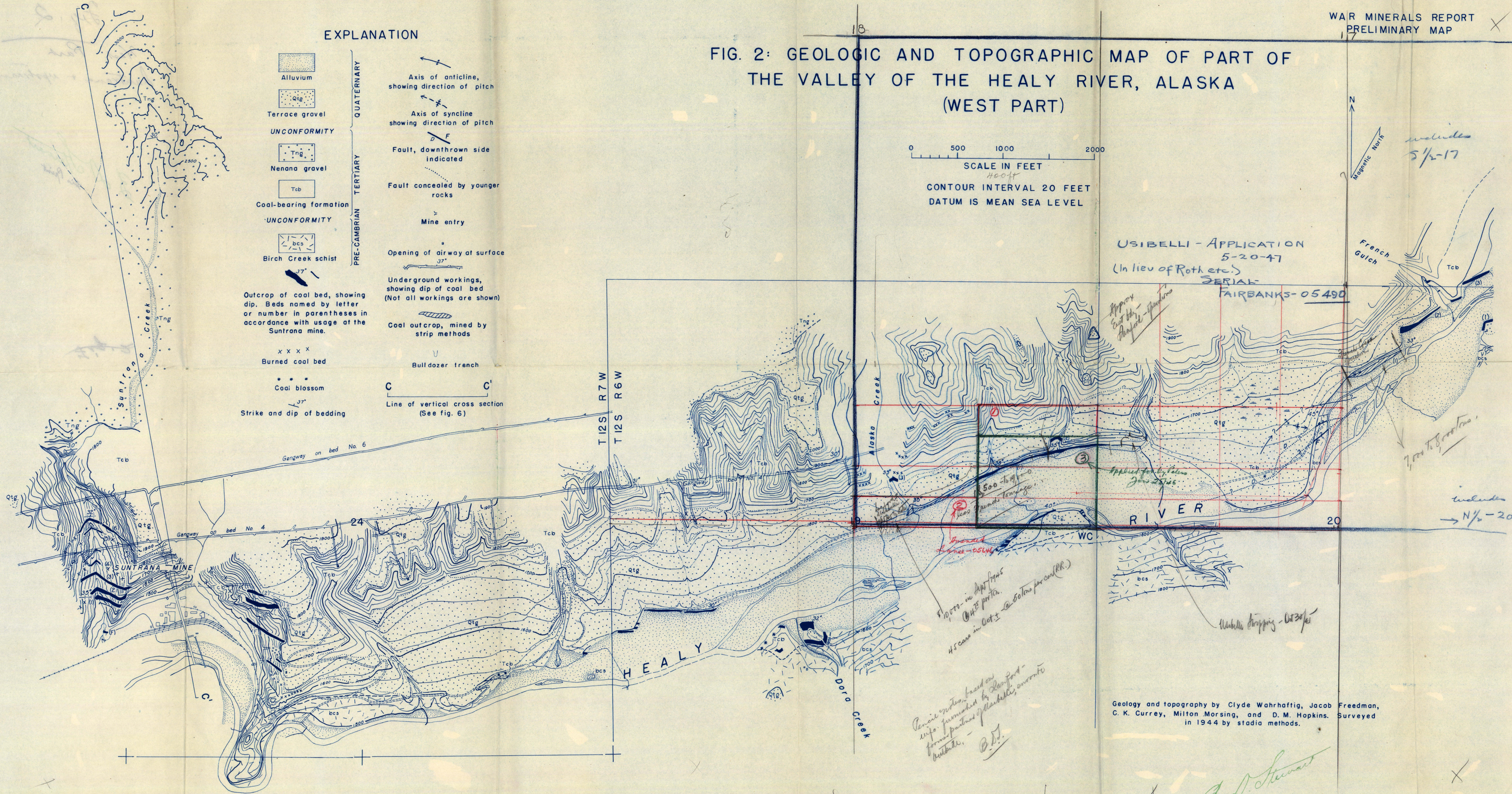
EXPLANATION

- |                                                                                                                                                                              |                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>QUATERNARY</p> <p>Alluvium</p> <p>Terrace gravel</p> <p>UNCONFORMITY</p> <p>Nenana gravel</p> <p>Coal-bearing formation</p> <p>UNCONFORMITY</p> <p>Birch Creek schist</p> | <p>TERTIARY</p> <p>TERTIARY</p> <p>PRE-CAMBRIAN</p> | <p>Axis of anticline, showing direction of pitch</p> <p>Axis of syncline showing direction of pitch</p> <p>Fault, downthrown side indicated</p> <p>Fault concealed by younger rocks</p> <p>Mine entry</p> <p>Opening of airway at surface</p> <p>Underground workings, showing dip of coal bed (Not all workings are shown)</p> <p>Coal outcrop, mined by strip methods</p> <p>Bulldozer trench</p> <p>Line of vertical cross section (See fig. 6)</p> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
- Outcrop of coal bed, showing dip. Beds named by letter or number in parentheses in accordance with usage at the Suntrana mine.
- Burned coal bed
- Coal blossom
- Strike and dip of bedding

FIG. 2: GEOLOGIC AND TOPOGRAPHIC MAP OF PART OF THE VALLEY OF THE HEALY RIVER, ALASKA (WEST PART)

0 500 1000 2000  
SCALE IN FEET  
CONTOUR INTERVAL 20 FEET  
DATUM IS MEAN SEA LEVEL

USIBELLI - APPLICATION  
5-20-47  
(In lieu of Roth etc.)  
SERIAL  
FAIRBANKS-05490



Geology and topography by Clyde Wahrhaftig, Jacob Freedman, C. K. Currey, Milton Morsing, and D. M. Hopkins. Surveyed in 1944 by stadia methods.

*J. D. Stewart*