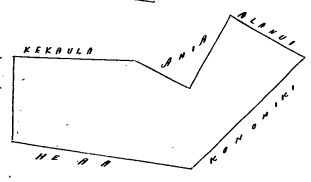


*Kelu 1014. Nahoe. Punaluu. Kau. Hawaii.*

*Ko ana i Nahoe ma Punaluu. Kau.*  
*Ohomaka ma ke hiki i Maw Kauhau a e holo*  
*Mm. 78° 30' Kiki 2.21 Kū. ma kama a ke Kaulapule*  
*Kam. 15° Kiki 2.95 " " Kihaua*  
*Wau 16° Kam. 15.0 " " Maw*  
*Kam. 74° Kiki 2.15 " " " "*  
*Kam. 19° Kam. 2.06 " " " "*  
*M. 57° Kam. 4.03 " " " "*  
*M. 2° 30' Kam. 4.35 " " " "*  
*Kū. ma kama a ke 1 1/2 Eka.*  
*Punaluu. Kau. Sept. 11 1851*  
*J. Fuller*  
*Lunaanama.*



*2 ka. ma 1 ka.*

*Ukupaulea* *§ 3. 67*  
*W. L. Lee*  
*G. W. Robertson*  
*C. H. Smith*  
*I. Kihaua*

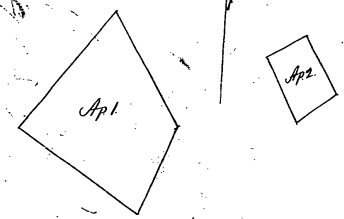
*Honolulu Januari 23 1851.*

*Kelu 8192. Koolapa. Kauhau. Kau. Hawaii.*

*Apina 1. Ohomaka ma kua ma ke hiki i Kauhau a keia Apina e holo ana*  
*Kam. 56° Kiki 7.51 kaul. a hiki ma kahi i ke paha. alaila e holo ana M. 17 1/4 Kiki 5.09 kaul. a*  
*hiki ma kahi i ke paha. alaila e holo ana M. 31 1/4 Kam. 6.73 kaul. a hiki i ke hiki i Maw a keia*  
*Apina, alaila e holo ana. Kam. 34° Kam. 7.80 kaul. a hiki ma kahi i ke hiki i*  
*Nahoe a kua. 1 1/2 Eka.*

*Apina 2. Ohomaka ma kua ma ke hiki i Kauhau a holo ana. M. 19° Kiki 2.31 kaul. alaila*  
*ma ke paha. M. 28° Kam. 3.42 kaul. alaila. Kam. 56° Kam. 2.16 kaul. alaila. Kam. 25° 1/4 Kam. 3.67 kaul.*  
*a hiki ma kahi i ke hiki i*  
*Nahoe a kua. 1 1/2 Eka.*

*Charles I. Wittredge*  
*Lunaanama.*



*Ukupaulea* *§ 4. 67*  
*W. L. Lee*  
*G. W. Robertson*  
*C. H. Smith*  
*I. Kihaua*

*Honolulu Januari 23 1851.*