

Application No. 1289  
 Enlargement Permit No. 88

Description of Works, Beach Creek Diversion.

Length of Ditch --- 1750 feet.  
 Width of Ditch --- 3 feet  
 Height of Dam --- 5 feet.  
 Material --- Timber, Brush & earth.  
 Wasteway --- Over dam  
 Average Grade --- 4 feet per mile.  
 Amount of Water Diverted --- 7.5 Sec. ft.  
 Total Theoretical Horsepower --- 21.3 H.P.

This diversion to be used mainly for developing power during winter, when, on account of ice, it would be difficult to keep main ditch open. Beach Creek dries up at this point during summer months.

Certificate of Surveyor

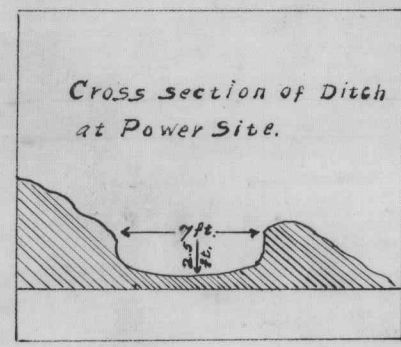
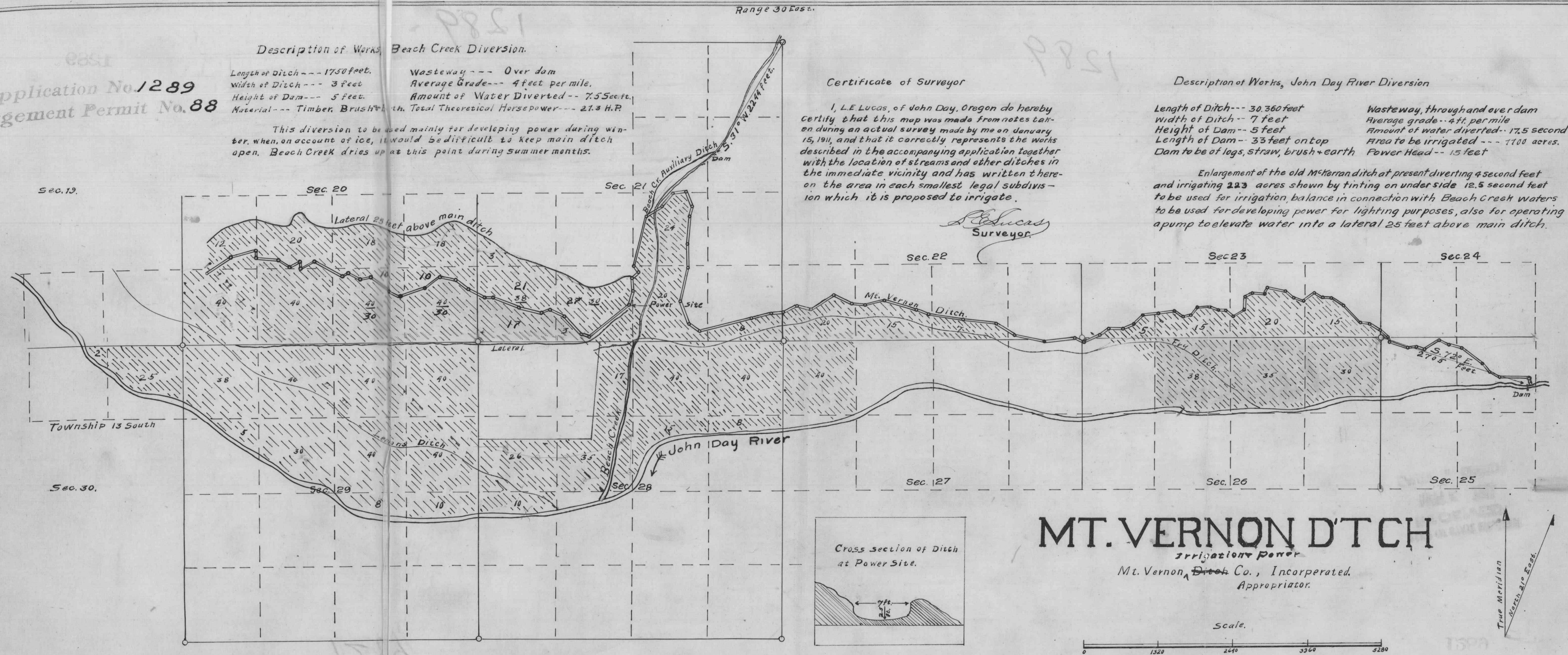
I, L. E. Lucas, of John Day, Oregon do hereby certify that this map was made from notes taken during an actual survey made by me on January 15, 1911, and that it correctly represents the works described in the accompanying application together with the location of streams and other ditches in the immediate vicinity and has written thereon the area in each smallest legal subdivision which it is proposed to irrigate.

L. E. Lucas  
 Surveyor.

Description of Works, John Day River Diversion

Length of Ditch --- 30,360 feet  
 Width of Ditch --- 7 feet  
 Height of Dam --- 5 feet  
 Length of Dam --- 33 feet on top  
 Dam to be of logs, straw, brush & earth  
 Wasteway, through and over dam  
 Average grade --- 4 ft. per mile  
 Amount of water diverted --- 17.5 second ft.  
 Area to be irrigated --- 7100 acres.  
 Power Head --- 15 feet

Enlargement of the old McKerran ditch at present diverting 4 second feet and irrigating 223 acres shown by tinting on underside 12.5 second feet to be used for irrigation, balance in connection with Beach Creek waters to be used for developing power for lighting purposes, also for operating a pump to elevate water into a lateral 25 feet above main ditch.



**MT. VERNON DITCH**  
 Irrigation Power  
 Mt. Vernon Ditch Co., Incorporated.  
 Appropriator.

