

Control points flood analysis

ICEYE

Tochigi No. 1

SNS Photo



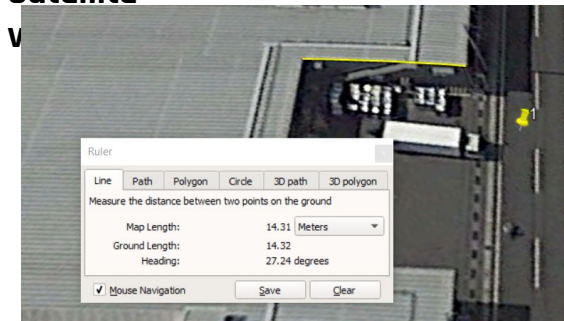
Point_1
GE measurement = 14.31m
Photo measurement = 8.68cm
Water depth in photo = 0.48cm

Estimated water depth = 0.73m

Street view



Satellite



Metadata

Area	Tochigi
Point ID	1
gid	40641
Time (JST)	10/13/2019 6:49:00
Latitude	36.35438
Longitude	139.7107
Water depth (m)	0.73
Location confidence	High
Water depth confidence	High

Remarks:

Video frame at 1:19

water depth measured from photo with good confidence

ICEYE

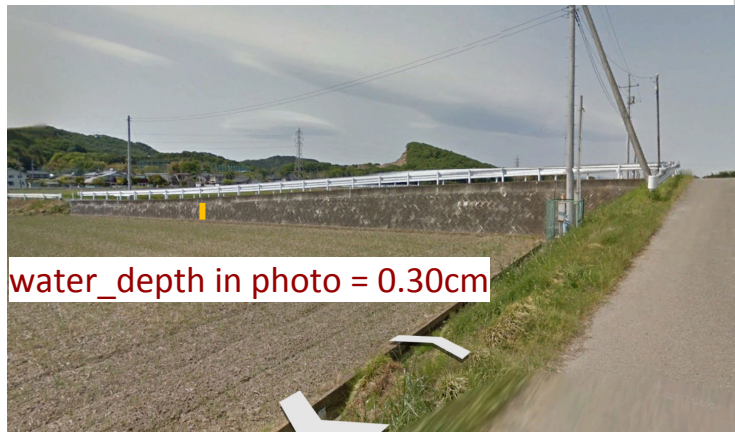
SNS Photo



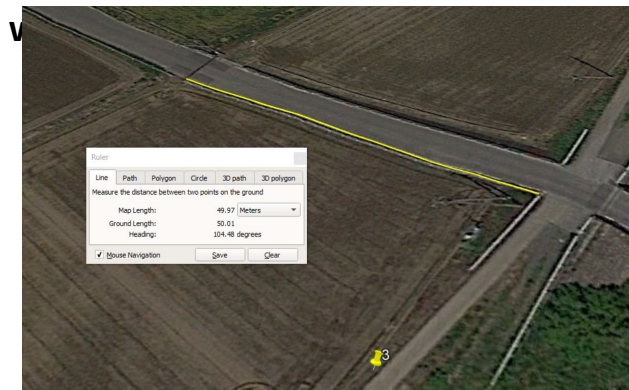
Point_3
GE measurement = 50m
Photo measurement = 10.05cm
Water depth in photo = 0.3cm

Estimated water depth = 1.48m

Street view



Satellite



Metadata

Area	Tochigi
Point ID	3
Time (JST)	10/13/2019 6:49:00
gid	40643
Water depth (m)	1.48
Location confidence	High
Water depth confidence	Low

Remarks:

Video frame at 1:50

Depth measured close to the middle of the bridge where we see lots of flooding

SNS Photo



Street view



Satellite view

Metadata

Area	Tochigi
Point ID	4
Time (JST)	10/13/2019 6:49:00
gid	40644
Water depth (m)	0.4
Location confidence	High
Water depth confidence	Low

Remarks:

Video frame at 2:22

The fields around the house clearly flooded and the water seems to have receded after the flood peak, the current depth from the field level to the street is estimated to be 0.4m

Tochigi No. 1

SNS Photo



Street view



Satellite view

Metadata

Area	Tochigi
Point ID	6
Time (JST)	10/13/2019 6:49:00
gid	40646
Latitude	36.382914
Longitude	139.734684
Water depth (m)	0.39
Location confidence	High
Water depth confidence	High

Remarks:
Video frame at 0:10

SNS Photo



Street view



Satellite



Metadata

Area	Tochigi
Point ID	
gid	46318
Time (JST)	09:25AM 10/13/2019
Water depth	0.20
Location confidence	High
Water depth confidence	Low

Remarks:

video frame at 3:30

The waterlevel at this time has receded very much after the peak of the flood (at 01:00 am)and I will estimate the depth here to be about 0.2m. Mindful that water depth (gid: 40641) on