

Control points flood analysis

Tochigi No. 1

SNS Photo



Point_1

GE measurement = 14.31m

Photo measurement = 8.68cm

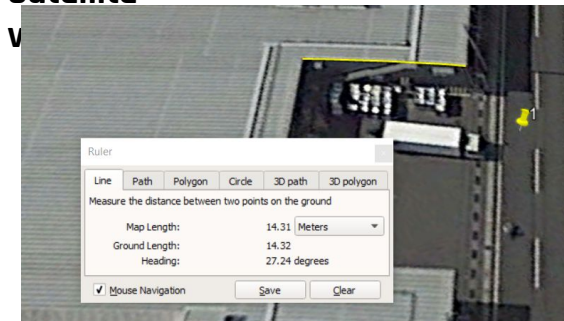
Water depth in photo = 0.48cm

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

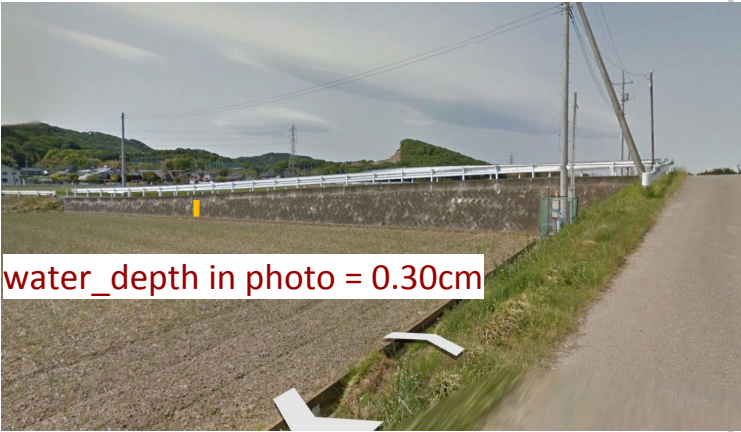
SNS Photo



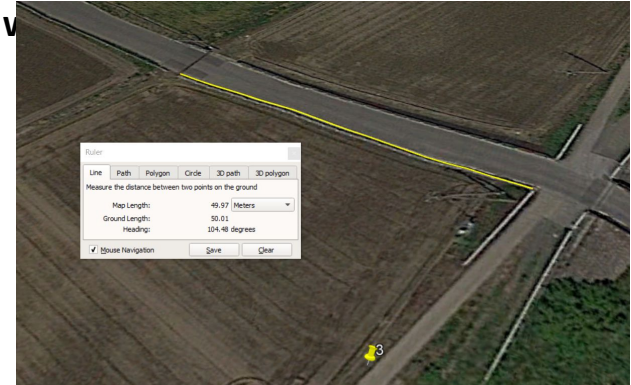
Point_3
GE measurement = 50m
Photo measurement = 10.05cm
Water depth in photo = 0.3cm

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

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