This ReadMe file contains information that could prove important for interpretation of and processing of ERT data. Notes include the wind and waves conditions during collection of the water depth data. The larger the wind or the waves the more error should be associated with the water depth data. This information could prove useful for looking at the ERT data as well, waves could produce noise. Also, notes will indicate if certain issues occurred during collection of the file.

The files located here are transcribed directly form the hand written field notes, they have not been adjusted so that electrode 28 is the electrode closest to the superstring in every file.

T01EG501

Pictures 332-338 are of transect T01EG501, there was an error message at electrodes 13 and 14 (26-28 meters from the superstring). When checked the electrodes had been moved by waves, they were now 1.40 meters apart.

T01EG502

Chris ran a new file at the transect, do not know the command file used.

T1AEG00 – This was an RTK point collected on the berm

T1AEG01, this is the location of the first electrode

T1AEG29, This rtk point was acquired at the shoreline.

T01EG503

This transect was at the location of the above two transect, however, it was collected at 3 m.

T02EG504

Used default settings, cmd file dd28_NZ, meter spacing. The water depth data was recorded by using electrode 1 as the electrode closest to the super sting. Wind has increased since collection of T01, has become wavier and therefore more error. Wind is out of the east @ 8 knots, observation made at 1:47 pm, was much calmer this morning. There were errors associated with this transect. The command file used was corrupted. **Data is useless for this transect.**

T02EG506

Chris loaded a new command file for file T02EG506, command file is dd28r.

T02EG507- ran this file with command file dg28f

T02 – pictures of the transect are 342-346, 342-345 are N-E-S-W

T03EG508- was ran with dg28f, the default settings are listed below

Scaling factor =2

X=0

Y=0

Z=0

Start command line =1

Roll- along = N

End address = 28

Cycles = 2

Max error = 2

Max repeat = 1

Max current = 500 ma

Measure time =3.6 s

Units = meters

Sep potential = off

Measure mode = res

Defaults factory

T03EG509 –Ran with command file dd28r, same settings as T03EG508, pictures 348-351 are of transect looking N-E-S-W. Picture 352 is of the setup.

The time recorded on the Super sting is 2 hours behind local time.

T04EG510- Using command file dd28f, electrode 1 is to the south, electrode 28 is to the north. Used same default settings as previous files

T04EG510- pictures 354-357 are pictures of the transect looking N-E-S-W, 358 is of the superstring setup, 359 is an attempt to look down the entire transect, rebar (difficult to see in picture) marks start and stop of line.

The water depth file written in the notes as well as in the raw file have electrode 1 as the electrode farthest from the super sting.

Seafloor was much softer at northern electrodes. During the collection of the data and the water depth data wind was about 5-8 knots out of the NE, small ½ foot waves breaking on shore.

T04EG511- Using command line dg28f, 2 meter spacing, same measurement setting as before started at 9:21, there was an error issue with command file and cable address

T04EG512- RTK is not working so, the line was marked with rebar, metal pipes, wooden stake and bamboo.

Rebar was left in place, first electrode is at zero on the tape measur right next to the rebar, Northern bamboo is at 12m or electrode 7, the wooden stake is at 26 m or electrode 14, the southern bamboo is at 40 m or electrode 21, The metal pole is 54 m or electrode 28.

T05EG513 – The water depth file found in the raw file is same as the hand written notes, electrode 1 is closest to the Super sting (farthest to the N), 28 is farthest to the S, Wind is very light 0-5 knots out of the east.

T06EG – no notes on 514??

T06EG515 – used command file dd28f.cmd, started at 1:53

T06EG516 – Used command file gd28f1.cmd started at 14:57 local time

For locations of T04, T05 and T06 a graphic was created to help visualize the placement of these.

Picture 368-371 N-E-S-W, picture of pipe from T05, picture 373 is of wooden stake and location of electrode 1.

Notes on the wind and waves conditions during collection of the water depth data were recorded. The larger the wind or the waves the more error should be associated with the water depth data. This information could prove useful for looking at the ERT data as well, waves could produce noise.

T01RW

Weather conditions were not recorded during transect 1 as a result of people doing different tasks. Pictures of T01RW 377-380 are N-E-S-W of Transect T01RW

T02RW.

Wind blowing ca. 10-12 knots from the east, was much calmer during collection of T01RW Review pictures 383-386 (N-E-S-W of line T02RW) 382 is looking north at the transect.

T03RW

SW wind @ ca. 10-12 knots, occasional gusts to 15 knots, waves 0.5 feet. Conditions make collection of depth data difficult and prone to error. 52 meters is to the east 0 m is to the west. Pictures of transect T03RW 392-395 (N-E-S-W), 388 picture of transect, 389 picture of creek.

The 28th electrode was removed from this transect.

T04RW

Wind has laid down since collection of T03RW, conditions are better for water depth collection, observation made at 5:30. Wind is 5 knots from the WSW, area is very protected. Pictures of T04RW 397 (looking at electrode 27, it is located at the pipe this picture was collected from the viewpoint of the SuperSting), 398 is of rock outcrops and shelly soil, 399-402 looking N-E-S-W, 403-406 are looking west at the shoreline from where we worked.

The 28th electrode was removed from this transect.

T05RW

No wind to speak of very calm, no waves, bottom is squishy (soft) with lots of seagrass/ bottom vegetation. Pictures 424-425 are of the transect

T05RW528 was ran with an end address of 28 however it produced a lot of errors because there was a turn in the line between 27-28.

T06RW

T06RW529 was mislabeled T05RW529, the northern most electrode is electrode 28 or the electrode closest to the SS. Kyle accidently labeled the RTK incorrectly for this file, electrode 28 the one closest to the superstring was labeled electrode 1.