

# **Appendix B6**

## **Valleyland Surveys**

# Valleylands Data Collection Sheet

Study area:	Bluewater Jericho <u>Gosheh</u>	Map No:	VAL 02 GSH 3105 / 3071
Date (yyyy-mm-dd):	2012-05-17	Time Started:	12:00pm
Field Staff:	Jess Piethe + Tom Shorney	Time Finished:	12:50pm
UTM Coordinates	Easting <u>457502</u>	Northing	<u>4792050</u>

**Landform prominence**

Is area well defined?  no  yes - if yes see below

Does area have an average width of 25m or more?  no  yes

width (from top of slope to top of slope) 30 m  
 depth (from top of slope to valley bottom) \* m unknown

**Surfacewater functions**

Is there surface water drainage?  no  yes - if yes, flowing/direction east/west from fields

Is there standing water?  no  yes - if yes, width 10-30 m depth 50cm m

Is there exposed soil?  no  yes near base

What is the degree of slope? n/a can't see slope from access point

Are there wetland communities present?  no  yes - if yes what type  marsh  <sup>thicket</sup>swamp  bog  fen near edge  
(refer to ELC and wetland data cards for data entry)

**Groundwater/Distinctive geomorphic landforms**

Is there evidence of groundwater?  no  yes - (if yes please check all that apply)

bank seepage  iron staining  groundwater indicator species observed

**Distinctive geomorphic landforms**

Are any of the following landforms present?  none  terraces  exposed soil strata  
(check all that apply)

oxbow  deltas  bottomlands

eroding slopes along riverbanks or valley walls

Brief description of area: nice watercourse through area

**Degree of naturalness**

What is the vegetation cover around feature  open  woodland (CUW, CUP, FOD, FOC, FOM) %cover \_\_\_\_\_  
(refer to ELC and wetland data cards for data entry)

wetland (MAM, MAS, SWT, SWD, SWM) %cover 50

meadow (CUM) %cover 50

thicket (CUT) %cover \_\_\_\_\_

What is the estimated width of natural cover on either side of feature n/a \_\_\_\_\_ m  
can't see slopes \_\_\_\_\_ m

Is there evidence of disturbance?  no  yes

Description: old road, some agriculture

**Unique communities and species**

Evidence of seasonally important habitat (deer winter yards, stopover areas, hibernacula)  no  yes  
(refer to significant wildlife data card for data entry) waterfowl/potential hibernacula

Is there evidence of an existing linkage area or potential for restoration?  no  yes

description: area used to have a road through it however has been closed currently agriculture

**Notes**

\* area seems to be more valleylands than valley feature however

pic 30, 31, 32

# Valleylands Data Collection Sheet

Study area:	Bluewater Jericho <u>Goshen</u>	Map No:	VAL02/SSH2572/2492
Date (yyyy-mm-dd):	2012-05-17	Time Started:	12:39 pm
Field Staff:	Jess Kelt & Tom Shanley	Time Finished:	12:50 pm
UTM Coordinates	Easting 457390	Northing	4794381

**Landform prominence** *area doesn't have a defined valley*

Is area well defined?  no  yes - if yes see below *mitol slopes*

Does area have an average width of 25m or more?  no  yes

Width (from top of slope to top of slope) \_\_\_\_\_ m  
 depth (from top of slope to valley bottom) \_\_\_\_\_ m

**Surfacewater functions**

Is there surface water drainage?  no  yes - if yes, flowing/direction *east/west from adjacent properties*

Is there standing water?  no  yes - if yes, width 20-30 m depth \_\_\_\_\_ m

Is there exposed soil?  no  yes *unknown*

What is the degree of slope? N/A *5° the east side but no slope on other side*

Are there wetland communities present?  no  yes - if yes what type  marsh  swamp  bog  fen  
(refer to ELC and wetland data cards for data entry)

**Groundwater/Distinctive geomorphic landforms**

Is there evidence of groundwater?  no  yes - (if yes please check all that apply)

bank seepage  iron staining  groundwater indicator species observed

**Distinctive geomorphic landforms**

Are any of the following landforms present?  none  terraces  exposed soil strata  
(check all that apply)

oxbow  deltas  bottonlands

erodings slopes along riverbanks or valley walls

Brief description of area:

**Degree of naturalness**

What is the vegetation cover around feature  open *Mammucosid lawn*  
(refer to ELC and wetland data cards for data entry)

<input type="checkbox"/> woodland (CUW, CUP, FOD, FOC, FOM)	%cover	_____
<input checked="" type="checkbox"/> wetland (MAM, MAS, SWT, <u>SWD</u> SWM)	%cover	<u>80%</u>
<input checked="" type="checkbox"/> meadow (CUM)	%cover	<u>20%</u>
<input type="checkbox"/> thicket (CUT)	%cover	_____

What is the estimated width of natural cover on either side of feature \_\_\_\_\_ m

Is there evidence of disturbance?  no  yes

Description: \_\_\_\_\_

**Unique communities and species**

Evidence of seasonally important habitat (deer winter yards, stopover areas, hibernacula)  no  yes  
(refer to significant wildlife data card for data entry) *water pool*

Is there evidence of an existing linkage area or potential for restoration  no  yes

description: Within Feature

Notes

*→ east is mammucosid lawn - west small SWD feature*

*33, 34, 35, 36, 37, 38*

# Valleylands Data Collection Sheet

Study area:	Bluewater Jericho <u>Goshen</u>	Map No:	VAL02 - GS42635
Date (yyyy-mm-dd):	2012-05-17	Time Started:	1:24pm
Field Staff:	Jess Bette + Tom Swannay	Time Finished:	1:35pm
UTM Coordinates	Easting 496719	Northing	479635

**Landform prominence** *no clear valley walls but well defined watercourse with good riparian veg.*

Is area well defined?  no  yes - if yes see below

Does area have an average width of 25m or more?  no  yes

width (from top of slope to top of slope) 70-80 m  
 depth (from top of slope to valley bottom) 3-5 m

**Surfacewater functions**

Is there surface water drainage?  no  yes - if yes, flowing/direction east/west from fields

Is there standing water?  no  yes - if yes, width 1/2 m depth N/A m

Is there exposed soil?  no  yes

What is the degree of slope? 2°-5°

Are there wetland communities present?  no  yes - if yes what type  marsh  swamp  bog  fen near base  
(refer to ELC and wetland data cards for data entry)

**Groundwater/Distinctive geomorphic landforms**

Is there evidence of groundwater?  no  yes - (if yes please check all that apply)

bank seepage  iron staining  groundwater indicator species observed

**Distinctive geomorphic landforms**

Are any of the following landforms present?  none  terraces  exposed soil strata  
(check all that apply)

oxbow  deltas  bottomlands

erodings slopes along riverbanks or valley walls

Brief description of area:

**Degree of naturalness**

What is the vegetation cover around feature  open  
(refer to ELC and wetland data cards for data entry)

woodland (CUW, CUP, FOD, FOC, FOM) %cover 60  
 wetland (MAM, MAS, SWT, SWD, SWM) %cover 10  
 meadow (CUM) %cover 30  
 thicket (CUT) %cover \_\_\_\_\_

What is the estimated width of natural cover on either side of feature 50-60 m west  
 \_\_\_\_\_ m

Is there evidence of disturbance?  no  yes slight

Description: agricultural fields to the east

**Unique communities and species**

Evidence of seasonally important habitat (deer winter yards, stopover areas, hibernacula)  no  yes  
(refer to significant wildlife data card for data entry)

Is there evidence of an existing linkage area or potential for restoration  no  yes

description: potential restoration through field and connect to adjacent feature

**Notes**

good riparian veg found on both sides of feature

pic 50, 51, 52

# Valleylands Data Collection Sheet

Study area:	Bluewater Jericho <u>Goshen</u>	Map No:	<u>VAL02-GSH 2953</u>
Date (yyyy-mm-dd):	<u>2012-05-17</u>	Time Started:	<u>1:08 pm</u>
Field Staff:	<u>Jess Prellie + Tom Shorney</u>	Time Finished:	<u>1:23 pm</u>
UTM Coordinates	Easting <u>456719</u>	Northing	<u>4796365</u>

**Landform prominence**

Is area well defined?  no area with gentle slopes with floodplain  yes - if yes see below

Does area have an average width of 25m or more  no  yes

width (from top of slope to top of slope) >100 m  
 depth (from top of slope to valley bottom) 35 m

**Surfacewater functions**

Is there surface water drainage?  no  yes - if yes, flowing/direction east/west

Is there standing water?  no  yes - if yes, width 26 m depth unknown m

Is there exposed soil?  no  yes well vegetated

What is the degree of slope? 5°-10°

Are there wetland communities present?  no  yes - if yes what type  marsh  swamp  bog  fen near base  
(refer to ELC and wetland data cards for data entry)

**Groundwater/Distinctive geomorphic landforms**

Is there evidence of groundwater?  no  yes - (if yes please check all that apply)

bank seepage  iron staining  groundwater indicator species observed

**Distinctive geomorphic landforms**

Are any of the following landforms present?  none  terraces  exposed soil strata  
(check all that apply)

oxbow  deltas  bottomlands

eroding slopes along riverbanks or valley walls

Brief description of area:

**Degree of naturalness**

What is the vegetation cover around feature (refer to ELC and wetland data cards for data entry)

<input type="checkbox"/> open		
<input checked="" type="checkbox"/> woodland	(CUW, CUP, FOD, FOC, FOM)	%cover <u>30</u>
<input checked="" type="checkbox"/> wetland	(MAM, MAS, SWT, SWD, SWM)	%cover <u>10</u>
<input checked="" type="checkbox"/> meadow	(CUM)	%cover <u>60</u>
<input checked="" type="checkbox"/> thicket	(CUT) <u>edge</u>	%cover <u>10</u>

What is the estimated width of natural cover on either side of feature >100 m east  
1m m west (maintained lawn)

Is there evidence of disturbance?  no  yes

Description: west has a farm close

**Unique communities and species**

Evidence of seasonally important habitat (deer winter yards, stopover areas, hibernacula)  no  yes  
(refer to significant wildlife data card for data entry) hibernacula/waterfowl

Is there evidence of an existing linkage area or potential for restoration  no  yes

description: cultural meadow to the east

Notes

good riparian cover throughout entire length of watercourse

46,47,48,49

# Valleylands Data Collection Sheet

Study area:	Bluewater Jericho <u>Gosher</u>	Map No:	VAL02-GSH 2412
Date (yyyy-mm-dd):	2012-05-17	Time Started:	1:54pm
Field Staff:	Jess Piatto + Tom Shanney	Time Finished:	2:03pm
UTM Coordinates	Easting 456100	Northing	4298309

**Landform prominence** *no clear top of slope*

Is area well defined?  no  yes - if yes see below

Does area have an average width of 25m or more  no  yes

width (from top of slope to top of slope) >100 m  
 depth (from top of slope to valley bottom) N/A m *not able to measure gradual slope*

**Surfacewater functions**

Is there surface water drainage?  no  yes - if yes, flowing/direction east/west from adjacent properties

Is there standing water?  no  yes - if yes, width 20-30 m depth N/A m

Is there exposed soil?  no  yes unknown

What is the degree of slope? 5° very gradual towards roads

Are there wetland communities present?  no  yes - if yes what type  marsh  swamp  bog  fen  
(refer to ELC and wetland data cards for data entry)

**Groundwater/Distinctive geomorphic landforms**

Is there evidence of groundwater?  no  YES - (if yes please check all that apply)

bank seepage  iron staining  groundwater indicator species observed

**Distinctive geomorphic landforms**

Are any of the following landforms present?  none  terraces  exposed soil strata  
(check all that apply)

oxbow  deltas  bottonlands

erodings slopes along riverbanks or valley walls

Brief description of area:

**Degree of naturalness**

What is the vegetation cover around feature  open  woodland (CUW, CUP, FOD, FOC, FOM) %cover \_\_\_\_\_  
(refer to ELC and wetland data cards for data entry)

wetland (MAM, MAS, SWT, SWD, SWM) %cover 100

meadow (CUM) %cover \_\_\_\_\_

thicket (CUT) %cover \_\_\_\_\_

What is the estimated width of natural cover on either side of feature 750 m east (swr) 250 m west (marsh)

Is there evidence of disturbance?  no  yes

Description: \_\_\_\_\_

**Unique communities and species**

Evidence of seasonally important habitat (deer winter yards, stopover areas, hibernacula)  no  yes  
(refer to significant wildlife data card for data entry) water-fowl, a number hibernacula

Is there evidence of an existing linkage area or potential for restoration  no  yes

description: restored edges of area / feature is within swr front already

Notes

# Valleylands Data Collection Sheet

Study area:	Bluewater Jericho <u>Goshen</u>	Map No:	VAL07- AH 2559
Date (yyyy-mm-dd):	2012-05-17	Time Started:	1:45 pm
Field Staff:	Jess Peltte + Tom Shannon	Time Finished:	1:57 pm
UTM Coordinates	Easting 456100	Northing	4798399

**Landform prominence** *no defined valley walls - very gradual slope*

Is area well defined?  no  yes - if yes see below

Does area have an average width of 25m or more  no  yes

width (from top of slope to top of slope) >100 m  
 depth (from top of slope to valley bottom) n/a m *gradual slope hard to measure*

**Surfacewater functions**

Is there surface water drainage?  no  yes - if yes, flowing/direction east/west from fields

Is there standing water?  no  yes - if yes, width 20-30 m depth unknown m

Is there exposed soil?  no  yes

What is the degree of slope? 5°

Are there wetland communities present?  no  yes - if yes what type  marsh  swamp  bog  fen  
 (refer to ELC and wetland data cards for data entry)

**Groundwater/Distinctive geomorphic landforms**

Is there evidence of groundwater?  no  yes - (if yes please check all that apply)

bank seepage  iron staining  groundwater indicator species observed

**Distinctive geomorphic landforms**

Are any of the following landforms present?  none  terraces  exposed soil strata  
 (check all that apply)

oxbow  deltas  bottomlands

eroding slopes along riverbanks or valley walls

Brief description of area:

**Degree of naturalness**

What is the vegetation cover around feature (refer to ELC and wetland data cards for data entry)

open  woodland (CUW, CUP, FOD, FOC, FOM) %cover \_\_\_\_\_  
 wetland (MAM, MAS, SWT, SWD, SWM) %cover 100%  
 meadow (CUM) %cover \_\_\_\_\_  
 thicket (CUT) %cover \_\_\_\_\_

What is the estimated width of natural cover on either side of feature 750 m  
>50 m

Is there evidence of disturbance?  no  yes

Description: great riparian cover on both sides

**Unique communities and species**

Evidence of seasonally important habitat (deer winter yards, stopover areas, hibernacula)  no  yes  
 (refer to significant wildlife data card for data entry) deer yards, hibernacula, turtle nesting

Is there evidence of an existing linkage area or potential for restoration  no  yes

description: \_\_\_\_\_

Notes

53,54,55

# Valleylands Data Collection Sheet

Study area:	Bluewater Jericho <u>Goshen</u>	Map No:	<u>VAL02-GSH 2847</u>
Date (yyyy-mm-dd):	<u>2012-05-17</u>	Time Started:	<u>2:03</u>
Field Staff:	<u>Jess Bata + Tim Shannon</u>	Time Finished:	<u>2:15</u>
UTM Coordinates	Easting <u>456965</u>	Northing	<u>4798472</u>

**Landform prominence**

Is area well defined?  no  yes - if yes see below

Does area have an average width of 25m or more?  no  yes

width (from top of slope to top of slope) +100m m  
 depth (from top of slope to valley bottom) 1/4 m

**Surfacewater functions**

Is there surface water drainage?  no  yes - if yes, flowing/direction East/West

Is there standing water?  no  yes - if yes, width 15 m depth 2-4 m

Is there exposed soil?  no  yes

What is the degree of slope? 5°

Are there wetland communities present?  no  yes - if yes what type  marsh  swamp  bog  fen  
(refer to ELC and wetland data cards for data entry)

**Groundwater/Distinctive geomorphic landforms**

Is there evidence of groundwater?  no  yes - (if yes please check all that apply)

bank seepage  iron staining  groundwater indicator species observed

**Distinctive geomorphic landforms**

Are any of the following landforms present?  none  terraces  exposed soil strata  
(check all that apply)

oxbow  deltas  bottomlands

eroding slopes along riverbanks or valley walls

Brief description of area:

**Degree of naturalness**

What is the vegetation cover around feature (refer to ELC and wetland data cards for data entry)

<input type="checkbox"/> open		
<input checked="" type="checkbox"/> woodland	(CUW, CUP, FOD, FOC, FOM)	%cover <u>60</u>
<input checked="" type="checkbox"/> wetland	(MAM, MAS, SWT, SWD, SWM)	%cover <u>30</u>
<input checked="" type="checkbox"/> meadow	(CUM)	%cover <u>10</u>
<input type="checkbox"/> thicket	(CUT)	%cover _____

What is the estimated width of natural cover on either side of feature 100 m  
50 m

Is there evidence of disturbance?  no  yes

Description: Agriculture

**Unique communities and species**

Evidence of seasonally important habitat (deer winter yards, stopover areas, hibernacula) (refer to significant wildlife data card for data entry)  no  yes (potential waterbird)

Is there evidence of an existing linkage area or potential for restoration  no  yes

description: \_\_\_\_\_

**Notes** Pic 59,60,61

- watercourse flows through feature

- Barn swallows - possibly nesting under bridge



# Valleylands Data Collection Sheet

Study area:	Bluewater Jericho <u>Goshen</u>	Map No:	654 2753 v407
Date (yyyy-mm-dd):	<u>2012-05-17</u>	Time Started:	<u>2:52</u>
Field Staff:	<u>Tom Shoney Jess Piatt</u>	Time Finished:	<u>3:00</u>
UTM Coordinates	Easting <u>458928</u>	Northing	<u>480160</u>

**Landform prominence**

Is area well defined?  no  yes - if yes see below

Does area have an average width of 25m or more  no  yes

width (from top of slope to top of slope) 60 m  
 depth (from top of slope to valley bottom) 4 m

**Surfacewater functions**

Is there surface water drainage?  no  yes - if yes, flowing/direction N/S

Is there standing water?  no  yes - if yes, width 6 m depth 140 m

Is there exposed soil?  no  yes 10%

What is the degree of slope? 5°

Are there wetland communities present?  no  yes - if yes what type  marsh  swamp  bog  fen  
(refer to ELC and wetland data cards for data entry)

**Groundwater/Distinctive geomorphic landforms**

Is there evidence of groundwater?  no  yes - (if yes please check all that apply)

bank seepage  iron staining  groundwater indicator species observed

**Distinctive geomorphic landforms**

Are any of the following landforms present?  none  terraces  exposed soil strata  
(check all that apply)

oxbow  deltas  bottomlands

eroding slopes along riverbanks or valley walls

Brief description of area:

**Degree of naturalness**

What is the vegetation cover around feature  open  
(refer to ELC and wetland data cards for data entry)

woodland (CUW, CUP, FOD, FOC, FOM) %cover \_\_\_\_\_

wetland (MAM, MAS, SWT, SWD, SWM) %cover 90

meadow (CUM) %cover 10

thicket (CUT) %cover \_\_\_\_\_

What is the estimated width of natural cover on either side of feature 30 m South

40 m North

Is there evidence of disturbance?  no  yes Agriculture

Description: \_\_\_\_\_

**Unique communities and species**

Evidence of seasonally important habitat (deer winter yards, stopover areas, hibernacula)  no  yes  
(refer to significant wildlife data card for data entry)

Is there evidence of an existing linkage area or potential for restoration  no  yes large boulders along shore

description: \_\_\_\_\_

Notes Pic 81, 82, 83 (east side of road) / Exposed banks on west side of road, - sand/gravel → 3-4m high  
Pic 84, 85, 86, 87 (west side of road)

# Valleylands Data Collection Sheet

Study area:	Bluewater Jericho <u>Goshen</u>	Map No:	<u>6SH 2982/2981 val02</u>
Date (yyyy-mm-dd):	<u>2012-05-17</u>	Time Started:	<u>3:17</u>
Field Staff:	<u>Tom Shoney Jess Piette</u>	Time Finished:	<u>3:25</u>
UTM Coordinates	Easting <u>454878</u>	Northing	<u>4802332</u>

**Landform prominence**

Is area well defined?  no  yes - if yes see below

Does area have an average width of 25m or more  no  yes

width (from top of slope to top of slope) 25 m  
 depth (from top of slope to valley bottom) 4 m

**Surfacewater functions**

Is there surface water drainage?  no  yes - if yes, flowing/direction West/East

Is there standing water?  no  yes - if yes, width 15 m depth 50 m

Is there exposed soil?  no  yes 1090

What is the degree of slope? 80°

Are there wetland communities present?  no  yes - if yes what type  marsh  swamp  bog  fen  
(refer to ELC and wetland data cards for data entry)

**Groundwater/Distinctive geomorphic landforms**

Is there evidence of groundwater?  no  YES - (if yes please check all that apply)

bank seepage  iron staining  groundwater indicator species observed

**Distinctive geomorphic landforms**

Are any of the following landforms present?  none  terraces  exposed soil strata  
(check all that apply)

oxbow  deltas  bottomlands

erodings slopes along riverbanks or valley walls

Brief description of area:

**Degree of naturalness**

What is the vegetation cover around feature  open  woodland (CUW, CUP, FOD, FOC, FOM) %cover \_\_\_\_\_  
(refer to ELC and wetland data cards for data entry)  wetland (MAM, MAS, SWT, SWD, SWM) %cover 90  
 meadow (CUM) %cover 10  
 thicket (CUT) %cover \_\_\_\_\_

What is the estimated width of natural cover on either side of feature 100 m

Is there evidence of disturbance?  no  yes Agriculture

Description: \_\_\_\_\_

**Unique communities and species**

Evidence of seasonally important habitat (deer winter yards, stopover areas, hibernacula)  no  yes  
(refer to significant wildlife data card for data entry) Some Impoverished Soil

Is there evidence of an existing linkage area or potential for restoration  no  yes

description: Two Adjacent Features

**Notes** Pic 91, 96  
 Agriculture surrounding watercourse  
 - Potential Bridge structures for nesting

# Valleylands Data Collection Sheet

Study area:	Bluewater Jericho <u>Goshen</u>	Map No:	<u>2558</u> v.1.0
Date (yyyy-mm-dd):	<u>2012-05-17</u>	Time Started:	<u>2:30</u>
Field Staff:	<u>Tom Skafrey Jess Piella</u>	Time Finished:	<u>2:45</u>
UTM Coordinates	Easting	Northing	

**Landform prominence**

Is area well defined?  no  yes - if yes see below

Does area have an average width of 25m or more  no  yes

width (from top of slope to top of slope) 100 m  
 depth (from top of slope to valley bottom) N/A m

**Surfacewater functions**

Is there surface water drainage?  no  yes - if yes, flowing/direction East/West

Is there standing water?  no  yes - if yes, width 15 m depth 2-4 m

Is there exposed soil?  no  yes

What is the degree of slope? 5°

Are there wetland communities present?  no  yes - if yes what type  marsh  swamp  bog  fen  
(refer to ELC and wetland data cards for data entry)

**Groundwater/Distinctive geomorphic landforms**

Is there evidence of groundwater?  no  yes - (if yes please check all that apply)

bank seepage  iron staining  groundwater indicator species observed

**Distinctive geomorphic landforms**

Are any of the following landforms present?  none  terraces  exposed soil strata  
(check all that apply)

oxbow  deltas  bottomlands

erodings slopes along riverbanks or valley walls

Brief description of area:

**Degree of naturalness**

What is the vegetation cover around feature  open  
(refer to ELC and wetland data cards for data entry)

woodland (CUW, CUP, FOD, FOC, FOM) %cover 15%  
 wetland (MAM, MAS, SWT, SWD, SWM) %cover 75%  
 meadow (CUM) %cover 10%  
 thicket (CUT) %cover \_\_\_\_\_

What is the estimated width of natural cover on either side of feature 50 m  
20 m

Is there evidence of disturbance?  no  yes

Description: Agriculture

**Unique communities and species**

Evidence of seasonally important habitat (deer winter yards, stopover areas, hibernacula)  
(refer to significant wildlife data card for data entry)  no  yes  
(Potential barn waterfowl)

Is there evidence of an existing linkage area or potential for restoration  no  yes

description:

Notes Pic 62, 63, 64

- Barn Swallows nesting under bridge  
- ~~bridge~~ (gradual slope towards watercourse)

# Valleylands Data Collection Sheet

Study area:	Bluewater Jericho <u>Goshep</u>	Map No:	VALOZPSH 2099
Date (yyyy-mm-dd):	2012-05-23	Time Started:	3:00 pm
Field Staff:	Jess Petke + Tom Shoring	Time Finished:	3:15 pm
UTM Coordinates	Easting	Northing	

**Landform prominence** *active agricultural field*

Is area well defined?  no  yes - if yes see below

Does area have an average width of 25m or more  no  yes

width (from top of slope to top of slope) \_\_\_\_\_ m  
 depth (from top of slope to valley bottom) \_\_\_\_\_ m

**Surfacewater functions**

Is there surface water drainage?  no  yes - if yes, flowing/direction \_\_\_\_\_

Is there standing water?  no  yes - if yes, width \_\_\_\_\_ m depth \_\_\_\_\_ m

Is there exposed soil?  no  yes

What is the degree of slope? \_\_\_\_\_

Are there wetland communities present?  no  yes - if yes what type  marsh  swamp  bog  fen  
(refer to ELC and wetland data cards for data entry)

**Groundwater/Distinctive geomorphic landforms**

Is there evidence of groundwater?  no  yes - (if yes please check all that apply)

bank seepage  iron staining  groundwater indicator species observed

**Distinctive geomorphic landforms**

Are any of the following landforms present?  none  terraces  exposed soil strata  
(check all that apply)

oxbow  deltas  bottomlands

eroding slopes along riverbanks or valley walls

Brief description of area: \_\_\_\_\_

**Degree of naturalness**

What is the vegetation cover around feature  open  
(refer to ELC and wetland data cards for data entry)

woodland (CUW, CUP, FOD, FOC, FOM) %cover \_\_\_\_\_  
 wetland (MAM, MAS, SWT, SWD, SWM) %cover \_\_\_\_\_  
 meadow (CUM) %cover \_\_\_\_\_  
 thicket (CUT) %cover \_\_\_\_\_

What is the estimated width of natural cover on either side of feature \_\_\_\_\_ m  
 \_\_\_\_\_ m

Is there evidence of disturbance?  no  yes

Description: \_\_\_\_\_

**Unique communities and species**

Evidence of seasonally important habitat (deer winter yards, stopover areas, hibernacula)  no  yes  
(refer to significant wildlife data card for data entry)

Is there evidence of an existing linkage area or potential for restoration  no  yes

description: \_\_\_\_\_

**Notes** *pics 5,6,7,8 are of section of stream crossing road. This section is not part of the main "valleyland" where tributary of Assable runs through. Should*

*not be included in boundary delineation of valley system*  
*pic-9-10 of property 2099*

# Valleylands Data Collection Sheet

Study area:	Bluewater Jericho <u>Goshen</u>	Map No:	VAL02GSH2698
Date (yyyy-mm-dd):	2012-05-23	Time Started:	3:20pm
Field Staff:	Jess Pette + Tom Shunney	Time Finished:	3:22pm
UTM Coordinates	Easting 456063	Northing	4796305

**Landform prominence** *Area is active agriculture with small woodlot. No valley within it.*

Is area well defined?  no  yes - if yes see below

Does area have an average width of 25m or more  no  yes

width (from top of slope to top of slope) \_\_\_\_\_ m  
 depth (from top of slope to valley bottom) \_\_\_\_\_ m

**Surfacewater functions**

Is there surface water drainage?  no  yes - if yes, flowing/direction \_\_\_\_\_

Is there standing water?  no  yes - if yes, width \_\_\_\_\_ m depth \_\_\_\_\_ m

Is there exposed soil?  no  yes

What is the degree of slope? \_\_\_\_\_

Are there wetland communities present?  no  yes - if yes what type  marsh  swamp  bog  fen  
(refer to ELC and wetland data cards for data entry)

**Groundwater/Distinctive geomorphic landforms**

Is there evidence of groundwater?  no  yes - (if yes please check all that apply)

bank seepage  iron staining  groundwater indicator species observed

**Distinctive geomorphic landforms**

Are any of the following landforms present?  none  terraces  exposed soil strata  
(check all that apply)

oxbow  deltas  bottomlands

eroding slopes along riverbanks or valley walls

Brief description of area:

**Degree of naturalness**

What is the vegetation cover around feature  open  
(refer to ELC and wetland data cards for data entry)

woodland (CUW, CUP, FOD, FOC, FOM) %cover \_\_\_\_\_

wetland (MAM, MAS, SWT, SWD, SWM) %cover \_\_\_\_\_

meadow (CUM) %cover \_\_\_\_\_

thicket (CUT) %cover \_\_\_\_\_

What is the estimated width of natural cover on either side of feature \_\_\_\_\_ m  
 \_\_\_\_\_ m

Is there evidence of disturbance?  no  yes

Description: \_\_\_\_\_

**Unique communities and species**

Evidence of seasonally important habitat (deer winter yards, stopover areas, hibernacula)  
(refer to significant wildlife data card for data entry)  no  yes

Is there evidence of an existing linkage area or potential for restoration  no  yes

description: \_\_\_\_\_

Notes *pic 11+12+13 This area is not part of the feature where the arable runs through, should not be included in boundary delineation*

# Valleylands Data Collection Sheet

Study area:	Bluewater Jericho <u>Goshen</u>	Map No:	<u>UJAL02 GSH2734</u>
Date (yyyy-mm-dd):	<u>2012-05-23</u>	Time Started:	<u>3:25pm</u>
Field Staff:	<u>Jess Piette + Tom Sharen</u>	Time Finished:	<u>3:27pm</u>
UTM Coordinates	Easting <u>457404</u>	Northing	<u>4796462</u>

**Landform prominence**  
 Is area well defined?  no active agricultural field  yes - if yes see below  
 Does area have an average width of 25m or more  no  yes  
 width (from top of slope to top of slope) \_\_\_\_\_ m  
 depth (from top of slope to valley bottom) \_\_\_\_\_ m

**Surfacewater functions**  
 Is there surface water drainage?  no  yes - if yes, flowing/direction \_\_\_\_\_  
 Is there standing water?  no  yes - if yes, width \_\_\_\_\_ m depth \_\_\_\_\_ m  
 Is there exposed soil?  no  yes  
 What is the degree of slope? \_\_\_\_\_  
 Are there wetland communities present?  no  yes - if yes what type  marsh  swamp  bog  fen  
(refer to ELC and wetland data cards for data entry)

**Groundwater/Distinctive geomorphic landforms**  
 Is there evidence of groundwater?  no  yes - (if yes please check all that apply)  
 bank seepage  iron staining  groundwater indicator species observed

**Distinctive geomorphic landforms**  
 Are any of the following landforms present?  none  terraces  exposed soil strata  
(check all that apply)  
 oxbow  deltas  bottomlands  
 eroding slopes along riverbanks or valley walls  
 Brief description of area: \_\_\_\_\_

**Degree of naturalness**  
 What is the vegetation cover around feature  open  
(refer to ELC and wetland data cards for data entry)  
 woodland (CUW, CUP, FOD, FOC, FOM) %cover \_\_\_\_\_  
 wetland (MAM, MAS, SWT, SWD, SWM) %cover \_\_\_\_\_  
 meadow (CUM) %cover \_\_\_\_\_  
 thicket (CUT) %cover \_\_\_\_\_  
 What is the estimated width of natural cover on either side of feature \_\_\_\_\_ m  
 \_\_\_\_\_ m  
 Is there evidence of disturbance?  no  yes  
 Description: \_\_\_\_\_

**Unique communities and species**  
 Evidence of seasonally important habitat (deer winter yards, stopover areas, hibernacula)  no  yes  
(refer to significant wildlife data card for data entry)  
 Is there evidence of an existing linkage area or potential for restoration  no  yes  
 description: \_\_\_\_\_

**Notes**  
pic 14-115 - should not be included in boundary delineations. Boundary should follow feature west of amule line.

# Valleylands Data Collection Sheet

Study area:	Bluewater Jericho <u>Gosher</u>	Map No:	VALOZPSH 2374
Date (yyyy-mm-dd):	2012-05-23	Time Started:	3:28 pm
Field Staff:	Jess P. + Tom Sherry	Time Finished:	3:30 pm
UTM Coordinates	Easting 457400	Northing	4796462

**Landform prominence**

Is area well defined?  no *active agriculture*  yes - if yes see below

Does area have an average width of 25m or more?  no  yes

width (from top of slope to top of slope) \_\_\_\_\_ m  
 depth (from top of slope to valley bottom) \_\_\_\_\_ m

**Surfacewater functions**

Is there surface water drainage?  no  yes - if yes, flowing/direction \_\_\_\_\_

Is there standing water?  no  yes - if yes, width \_\_\_\_\_ m depth \_\_\_\_\_ m

Is there exposed soil?  no  yes

What is the degree of slope? \_\_\_\_\_

Are there wetland communities present?  no  yes - if yes what type  marsh  swamp  bog  fen  
(refer to ELC and wetland data cards for data entry)

**Groundwater/Distinctive geomorphic landforms**

Is there evidence of groundwater?  no  yes - (if yes please check all that apply)

bank seepage  iron staining  groundwater indicator species observed

**Distinctive geomorphic landforms**

Are any of the following landforms present?  none  terraces  exposed soil strata  
(check all that apply)

oxbow  deltas  bottonlands

erodings slopes along riverbanks or valley walls

Brief description of area: \_\_\_\_\_

**Degree of naturalness**

What is the vegetation cover around feature  open  
(refer to ELC and wetland data cards for data entry)

woodland (CUW, CUP, FOD, FOC, FOM) %cover \_\_\_\_\_

wetland (MAM, MAS, SWT, SWD, SWM) %cover \_\_\_\_\_

meadow (CUM) %cover \_\_\_\_\_

thicket (CUT) %cover \_\_\_\_\_

What is the estimated width of natural cover on either side of feature \_\_\_\_\_ m

Is there evidence of disturbance?  no  yes

Description: \_\_\_\_\_

**Unique communities and species**

Evidence of seasonally important habitat (deer winter yards, stopover areas, hibernacula)  no  yes  
(refer to significant wildlife data card for data entry)

Is there evidence of an existing linkage area or potential for restoration  no  yes

description: \_\_\_\_\_

**Notes**

*Area should not be included in valleyland boundary. Boundary should be west of asamble line following feature.*

# Valleylands Data Collection Sheet

Study area:	Bluewater Jericho <u>Goshen</u>	Map No:	VAD 02 (S) H 2980
Date (yyyy-mm-dd):	2012-05-24	Time Started:	3:32
Field Staff:	Jess Pickett + Tom Shannon	Time Finished:	3:40
UTM Coordinates	Easting 456336	Northing	4803359

**Landform prominence**

Is area well defined?  no  yes - if yes see below

Does area have an average width of 25m or more?  no  yes

width (from top of slope to top of slope) < 10 m  
 depth (from top of slope to valley bottom) 2-3 m

**Surfacewater functions**

Is there surface water drainage?  no  yes - if yes, flowing/direction n/s

Is there standing water?  no  yes - if yes, width 3 m depth 25-30 cm

Is there exposed soil?  no  yes along banks

What is the degree of slope? 60°

Are there wetland communities present?  no  yes - if yes what type  marsh  swamp  bog  fen  
(refer to ELC and wetland data cards for data entry)

**Groundwater/Distinctive geomorphic landforms**

Is there evidence of groundwater?  no  yes - (if yes please check all that apply)

bank seepage  iron staining  groundwater indicator species observed Watercress

**Distinctive geomorphic landforms**

Are any of the following landforms present? (check all that apply)

none  terraces  exposed soil strata  
 oxbow  deltas  bottonlands

eroding slopes along riverbanks or valley walls

Brief description of area: there are none but area is small

**Degree of naturalness**

What is the vegetation cover around feature (refer to ELC and wetland data cards for data entry)

<input type="checkbox"/> open		%cover	_____
<input type="checkbox"/> woodland (CUW, CUP, FOD, FOC, FOM)		%cover	_____
<input checked="" type="checkbox"/> wetland (MAM, MAS, SW, SWD, SWM)		%cover	<u>90</u>
<input checked="" type="checkbox"/> meadow (CUM)		%cover	<u>5</u>
<input type="checkbox"/> thicket (CUT)		%cover	_____

What is the estimated width of natural cover on either side of feature \_\_\_\_\_ m

Is there evidence of disturbance? minor disturbance  no  yes

Description: \_\_\_\_\_

**Unique communities and species**

Evidence of seasonally important habitat (deer winter yards, stopover areas, roosting areas)  no  yes

Is there evidence of an existing linkage area or potential for restoration  no  yes

description: \_\_\_\_\_

**Notes**

- lots of frogs within watercourse  
 - exposed banks  
 Common; white-tailed M+F  
 Red admiral

\* miss through hay swamp - boundary should include this area  
 - 18, 23