

Appendix E

Field Notes

AECOM		Page 1 o	f 4
Control		Information 1204/1007	
Study Area: (Jericho) Goshe	Land	Parcel# Bon Site ID: Pl. 848	
Date: June 12/12	Start time:	F/5:10 End Time: 15:45	
Veather Conditions:		Field Crew: CIBORDS, J.EPP	
Sunmy 25°C	The Market	Field Notes By: C. Boros	
	Site L	ocation	
Elginfield Kd,	and of Dage	ld: al al	100 mil -y
Eight pass Fit			
		ntinue on page 3 if necessary)	
Easting:	Northing:	Description:	
Easting: 440 685		76734 Description: R / 89 wg	,
Easting: 440 4 17	NorthIng: 47	7 1592 Description: 1.84	
Easting: Surrounding L	Northing:	Description: Type of Watercourse	Christian (2) brown
Residentiai 🔲 Me	eadow Dashwe		
	etland 🖵 ′ estock 🗖	Permanent 🖾 Natural Channel	
Other Description:		Ephemeral	
meadon		may have been tristorically Channelsied but Starting to	n atura
lotes: (include any inputs into the sy	- AND 11 10 10 10 10 10 10 10 10 10 10 10 10		yourog
s any portion of the water body under f Yes describe:	erground or not as mappe	d? Y (N)	
	- (
SPS Coordinate: Easting -	Northii	ng - Description- ter Body (rolling hills, sloping towards water body)	
slightly hilly	ography carrounding was	ior Body (roining lines, stoping towards water body)	
In-Situ Water	Quality	Ground Water and Seepage Indicator	
): 22	Watercress ☐ Bank Seepage ☐	
pH: 8.37 Cond	(us/cm): 599	Iron Staining □ None	
D.O. (mg/L) []. 90 Water Clarity: Clear	Turbid 🗖	Bubbling	
		Details:	
Water Colour: n/a		yatters a service of	
Notes: in small pool	, alga blooms		in i i
present		40	t ma nime tvi

			S TOTAL S	tream Morph	ology				
Site Length (m):	200m				Bank St	ability:			
Channel Dimens	ions				1184	Stable	Slightly unstable	Moderatel	^y Unstable
Mean Wetted		hi bi			Lef	t 🗇		<i>→</i> ⊠	
Width (m):	0.7	Mean Wetted	Depth (m):	0.19	Bani				
Mean Bankfull Width (m):	1.0	Mean Bankful	Il Depth (m):	0.4	Right B	ank 🗆		-> ■	
Mann Ton of	2		D I - D 41-	man a firm	Descrip	tion:			
Mean Top of Bank Width (m):	ok.	Mean Top of I (m):	вапк рертп		down	n15 h	16/les	prode	d overs
Flow Description	n: (high or low	flow condition	ns, stagnaı	nt, etc)		_	0	II L	
slow	flow								
		776.45		Habitat					
Substrate (< = >)						M	orphologi	cal Structui	ne (%)
Bo - Boulder	Description					Pooi	Riffle	Run	Flat
Co - Cobble Gr - Gravel						5	all l	1	95
Sa - Sand					Notes				
Si - Silt	Si= C1:	= 50) 91			Notes:	. Ma	(,,,,,,)	and I	hen yooks
CI - Clay		. 0							
MK-Muck DT-Detritus					you	ow b	w/ ch	DI WILL	le present
Instream Cover ((%) f()							- 00	
Other	Woody Debris	Boulders	Cobble	Aquatic Vegetation*	None	Undercut	Banks		100
				Vegetation	200	Average D	enth: a		
	/		/	78	/	(% Cover)	epth: Q.M	200	
*Aquatic Vegetation	- alder				> Com	mon 1	red>	grass	
Canopy Cover (%			-	Types of Co			(9	
100-90%		,. 30-1%	酒	Trees	-	Shrubs		Man-mad	le
i ii					10			_ structure	
90-60% 60-30%	H	0%		Grasses	_90_	_ Herbace	ous	Othe	er
Note: Low = 0 - 30	0%; Moderate	= 30 - 60%;	High = 60 -	100%	W.I				CONTRACTOR - CONTRACTOR
Notes: (vegetation	on species, typ	es of structu	res)						ne White mile
, ,			,						
J 92	assip =								
元子为1980年,于1980年			R	lparian Vege	tation				
Width and Description of riparian vegetation:	LB- 10 m	- meac	tow		RB - 10	m - m	eadon	w 7 um	
Overhanging Vege				% Overhangin	g Vegetati	on:			
Description of Over	rhanging Vegetat	ilon:							
E .									
			Obstru	ctions to Fis	h Passac	ie .			
									The state of the s
None Observed	叉	Man-Made		Natural		Low Flor	w Barrier		11 75 64
Description of B	arrier:								
Height of Barrier	· (m)				GPS Co	ordinates:			

Land Parcel/Site ID: BOR \$ Date: Jme 12/12 **AECOM** Other General Comments Regarding the Study Area: -fish (~10) observed, you (~30) noted on upls side. The worthern portion is Jocated in a yorest area but immediately adjacent to a section of the estolar it is open ranopy - almost metland like area. It is prostrinal channel on BOR 1421. As it flows nownstream of runs past a residential area and there Additional UTM Coordinates: RI, 84 Noweaging just before the wood and coursing flashy systems. As to four by the residential was there are large thees & high control of Photolog Picture # Description Sheet Canopa Starting at Worth portion Cover Southern fortion of Stream

AECON	1			P	age 4 of 4
udy Area:	Jericho Goshen	Watercourse Ski	1077 1204	_Site iD	K1 \$83
		pradru Francisco		N	LEGEND 10d depth (cm) 8w width Riffle Run/Gilde Pool Island/Bar Fine Substrate ### Gravel Substrate **** Cooo Cobble /Bouldet *** Debris
					CT Cattail SV/FV Submerg/Float Ve EV Emergent Vegetation W Watercress Fe Iron Staining //////////////////////////////////
- 6	Elginfield Rol -	TI Y			xxx Riprep / Other Stabiliza D instream Log/free A^A Dem/Weit / Obstruc Riparian Tree -> Seep/Spring
	Crw. 84	Special Specia	Open.		3- orlato
zontai View o	10				2 2700101
zontai view o	or Grianner	THE PARTY PA		1	
QA/QC By:	Bentley	Date: June 210,2012 To	echnical QA/QC By:	He Her Date	hly 15/12

AECOM	P	Pag	ge 1 of 4
	General Info	ormation	400
Study Area: Vericho Gos	hen Bluewater Land Pare	cel# Ste ID:	
Date: June 12/12	Start time: 14:5	0 End Time: 16:10	
Veather Conditions:		Field Crew: C. Beras, J. EPP	
Surny, 25°C		Field Notes By: CIB 9105	
	Site Loc		
-1 - 0 1 / 1 1.	unt de l'alter	61.5	
Elgin Field Kd, h	of walnut	· >+	
	UTM Co-ordinates (contin	01	
Easting: 440 7/8	Northing: 477		- 20
Easting: 44 06H	Northing: 47	7 6492 Description: 1.84	Ng. P.d.
Easting:	Northing:	Description:	
Easting:	Northing:	Description: Type of Watercourse	
Surrounding Residential Agriculture	Meadow 🖾		
	Wetland	Intermittent □ Channelized Permanent ☑ Natural Channel	[2]
Other		Ephemeral	
Description:	meadow, forst	Description: may have historically been (Clarrelizio
south - prost	·	may have cist	
lotes: (include any inputs into the			
Tile dram - M	owing		
s any portion of the water body un If Yes describe:	derground or not as mapped?	YIN	
ir res describe.			
GPS Coordinate: Easting -	Northing		7
Description of Land To	pography Surrounding Water	Body (rolling hills, sloping towards water body)	
	0.1-0//	-000	
flot 7 m	t in small 1	, way	
In-Situ Wate	er Quality	Ground Water and Seepage Indic	eators
		Watercress □ Bank Seepage	
	d (/~s/cm): 535	Iron Staining □ None	
D.O. (mg/L) 8,45		Bubbling	
Water Clarity: Clear	□ Turbid ১\ 🙇	Other	
Water Colour: by Co. m		Details:	
water colour: byown	,		
Notes:			
Notes: wg taken in	pool, some alger	_	
mont	/		
γ		3	

th (m): Mean Wetted Depth (m): 0 2 Bank	o Longth /	N 0.0			Stream Morpi	,	1114				
In Wested It (m): In Bankfull Is Mean Man Bankfull Depth (m): In Bankfull Is Mean Top of Bank Depth Imp: In Top of Is Width (m): In Top of Is Width (m): In Top of Sex Mean Top of Bank Depth Imp: In Top of Sex Mean Top of Bank Depth In Top of Depth Depth In Top of Depth In Top of Depth In Top of Depth In Top	e rength (m)	1.300m				Bank Stal	oility:				
In Wested It (m): In Top of (nsions		1411	ā,		Stable		Moderatel unstable	^y Unstable	
Mean Bankfull Depth (m):	an Wetted dth (m):	2	Mean Wetted	Depth (m):	012						
In Top of K Width (m): In Top of Bank Depth	an Bankfull dth (m):	3	Mean Bankfu	ii Denth (m)	. 0.5	Right Bar	k 🗆	M			
Morphological Structure (%) Pool Riffle Run Flat Pool Riffle Run Flat Run	an Top of	-			and the same	Description	on:	· ·	m . 160	M	
Strate (<=>)	nk Width (m):		(m):		10	avos	wn 3	Seco	9	Occur	y au
Habitat Secretaria (<=>)				ons, stagna	int, etc)						
Morphological Structure (%) Pool Riffie Run Flat Si - Sand Si - Sa = cl = nk gr, co Notes: Sit Co Cobble Cobbl	mo de	rate pro	2000								
O- Boulder Cor Cobble Gr - Gravel Sa - Sand Si - Si = Si = Cl = mk				The North	Habitat						
Cobbbe C						-					
Sa - Sand Si - Sit	Co - Cobble	Dodonpion				ļ ŀ	740			annual .	
Si-Silt Ci-Clay MK-Muck IT-Dertrius MC-Muck IT-Dertrius Moody Debris Moody Moo	Gr - Gravel					1 1	A X	ol	3	899 75	HI,
CI-Clay Mik-Muck T-Detritus ream Cover (%) Other Woody Debris Boulders Cobble Aquatic Vegetation* None Undercut Banks Average Depth: 0.30 (% Cover) 5- 10 45	Sa - Sand	Si = co	= clen	rk > a	1.60	Notes:					
Types of Cover (% cover) Cover (% cover) Cover (% cover)		31 31		0	1100	riple	o M	oted i	けいかい	of road	
Types of Cover (% cover) Cover (% cover) Cover (% cover)	MK-Muck					2.4.0	, ,	, .	house	U	
Other Woody Debris Boulders Cobble Aquatic Vegetation* None Undercut Banks Average Depth: 0.30 Average Depth: 0.30	DT-Detritus					Jev Do.	for	end 7	MULYA	our	
Woody Search Sounders Coople Vegetation* None Onterfort Banks	tream Cover	(%) 80				300					
State Stat	Other	Woody Debris	Boulders	Cobble		None	Indercut	Banks			Nº
St. Low = 0 - 30%; Moderate = 30 - 75%; High = 75 - 100% Indicated Alge	2000				- India	1	verage D	epth: 0.3	0		
State Color Colo		20		10	45		- 2/ Carres	e-			
Adjust - What Had Adjust - Wooms Pondwell Po				10	255		/ Cover)	J			i i
Trees Shrubs Man-made Shrubs Man-made Shrubs Man-made Shrubs Man-made Structures Man-made M						pond	webal)> 8	rosslo		
90-60%	nopy Cover (% closed cover):		Types of Co	ver (% cove	er)		***	7	
90-60%	100-90%		30-1%		Trees	An-	Shrubs	10		_	4
Riparlan Vegetation Width and scription of the N = 1 - 10m - the structures Riparlan Vegetation Riparlan Vegetation Riparlan Vegetation RB - 11			0%		Grasses	_5V _40	lerbace				
Riparian Vegetation Width and scription of riparian S = 1-10m - Heles + meadow Hanging Vegetation: Sharp of the structures of structures of structures of structures of structures of structures of scription of the structure of			= 30 - 60%:	High - 60	100%						
Riparlan Vegetation Nidth and scription of riparlan S = > 15m				_	100%						
Width and scription of LB - N = 1-10m - trees + meadow riparian egetation: S = 15m forest + meadow riparian egetation: Analysis of Overhanging Vegetation: S = 15m forest + meadow riparian region vegetation: Analysis of Overhanging Vegetation: S = 15m forest + meadow riparian vegetation: Which is a complete of overhanging vegetation: S = 15m forest + meadow riparian vegetation: S	es: (vegetati	ion species, typ	es of structu	res)							
Width and scription of LB - N = 1-10m - trees + meadow riparian egetation: S = 15m forest + meadow riparian egetation: Analysis of Overhanging Vegetation: S = 15m forest + meadow riparian region vegetation: Analysis of Overhanging Vegetation: S = 15m forest + meadow riparian vegetation: Which is a complete of overhanging vegetation: S = 15m forest + meadow riparian vegetation: S		CERTIFICATION.	ANN THE PARTY	7/2 (* 10 a k	Riparlan Vege	ation	San San	disvina essuen			20 - 20 ESS
riparian segetation: segetatio	Width and	LB - N = 1-	10m - 40	ees + mee	rdow			The Hill post of the life			PROPERTY.
Thanging Vegetation Present (%) N % Overhanging Vegetation: 2 Inputed only in upls Alde - Mewood just overhanging bank ledge. Obstructions to Fish Passage B Observed Man-Made Natural Low Flow Barrier Cription of Barrier:						KD-	11 0	o CB			
figured only in upls and - negwood just overhanging bank logge Obstructions to Fish Passage B Observed Man-Made Natural Low Flow Barrier cription of Barrier:	vegetation:			wat t m							
found only in upls AIR - Asswood just questioning bank edge. Obstructions to Fish Passage B Observed Man-Made Natural Low Flow Barrier cription of Barrier:			(Y)/N		% Overhangin	g Vegetation	2				
Obstructions to Fish Passage e Observed 🔼 Man-Made 🗖 Natural 🗖 Low Flow Barrier 🗖 cription of Barrier:	•			0 \ 0	دم مامت سے ما	mool h	myt e	weither	ging b	anh eola	2 + 1
e Observed 🙇 Man-Made 🗖 Natural 🗖 Low Flow Barrier 🗖	yound	guey &	n upis							0	
cription of Barrier:		A CONTRACTOR OF THE PARTY OF TH		Obstru	ivuviia (U FISI	ı rassaye					
											- 1
ht of Barrier (m) GPS Coordinates;	ne Observed		Man-Made		Natural		ow Flow	/ Barrier			
ht of Barrier (m) GPS Coordinates;			Man-Made		Natural		ow Flow	/ Barrier	u		
	scription of B	Barrier:	Man-Made					/ Barrier	u		

AECOM	Date: June 12/12	Land Parcel/Site ID:	30K Page 3 of 4
	omments Regarding the Study Area:		1077 RI.84
Waterco	observed (~5), yoy (s) unse historically che is resulting in erosing looms thoke water wousle by grasses possent in C	anneliged and + shouping. . Dubstrate p	Attached algea and toxul Sa, si + cl.
Additional UTM (Coordinates:		
Picture #	Description	Photo log Picture #	Description
152	sheet site perian		
3-14	Channel overver walk	as south	
15-	Culvert		i di
16	pool at culvert		, ^x
17	overin looking at	noad	****
18-19	looking South past.	1 1	
	*		
	,		

itudy Area: Jen	icho Goshen Blue	Watercourse Sketch	O. GU
	>	ewater Land Parcel# Ball 1767/ Site ID	P1.84
Elginfield Kd			LEGEND 10d depth (cm) 6w width Riffle Pun/Glide Pool Island/Sar Fine Substrate ### Gravel Substrate cOooO Cobbie /Boulder *** Debris CT Cattal SV/FV Submarg/Float Veg EV Emergent Vegetation W Watercress Fe Iron Stairing #### Eroded Bank xxx Riprap / Other Stabilization
2m×5m×0.		meadon	Instream Log/Tree And Dem/Weit/ Obstruction © Riparian Tree -> Seep/Spring
	P		M-Slumping +
orizontal View of Channel	Consider the Development of the Constitution o		

AECOM		Page 1 of 4
	General Infor	rmation
Study Area: Jericho Goshen	Bluewater Land Parce	89K 1351 el# 1395 Site ID: R1, 60
_	Start time: 13:30	
Weather Conditions:	Start time. 70,00	Field Crew: CIBO 105, J.Epp
N		
Junny 25°C	71	Field Notes By: CIBORD
	Site Locat	tion
Elginfield Kel, Past	of Pete S.	ese Rd. Roadside Survey
Easting: 0438368	Northing: 477	
Easting: 0 438 486	Northing: 477	
Easting:		Description:
	Northing:	
Easting: Surrounding Landus	Northing:	Description: Type of Watercourse
Residential Meadow Agriculture Wetland Forest Livestock Other		Intermittent
Description:	on the inde	Description:
possible of the along A	2000 0 - 00-	Channel aged.
Meadow on north		J. W. W. S.
Notes: (include any inputs into the system i.	e, tile drainage, seepag	ges. overland flow)
Is any portion of the water body undergroun If Yes describe:	d or not as mapped?	Y / 🕡
GPS Coordinate: Easting -	Northing -	Description-
		ody (rolling hills, sloping towards water body)
slightly rolling hills	En North	
In-Situ Water Quality		Ground Water and Seepage Indicators
WT (°C): 1815 AT(°C): 25	16	Watercress □ Bank Seepage □
pH: 7, 38 Cond (As/cm		Iron Staining □ None □
D.O. (mg/L) 3, 10		Bubbling 🔲 Walter 🖾
Water Clarity: Clear 🗆	Turbid 🔼	Other D Speedwell
Water Colour: 6 rewn		Charges at wg location
Notes: wg taken in stegram readside culturt - 0.6 m	+ pool by deep.	A

		1 2 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Stream Morph	ology		The same of the sa		
Site Length (m):	~250 m	-			Bank Sta	bility:			
						Stable	Slightly	Moderately	Unstable
Channel Dimens	sions						unstable	unstable	
Mean Wetted Width (m):	0.80	Mean Wetted	Depth (m):	0,12	Left Bank				
Mean Bankfull Width (m):	2	Mean Bankfu	ll Depth (m):	0.45	Right Ba	nk 🗷			
					Descripti	on:			
Mean Top of Bank Width (m):		Mean Top of (m):			well	vege	takd		
Flow Description	· -		_						
no fl	on opr	ewed	stagn	and wa	ta				
	THE PERSON NAMED IN			Habitat					MANAGEMENT OF THE PARTY
Bo - Boulder Co - Cobble) Description					Pool	orphologic Riffle	al Structure Run	Flat
Gr - Gravel Sa - Sand		1 6.			l I				100
Si - Silt	Si= 1	y=5a			Notes:		. 14		
CI - Clay					water	pes	and in	rough s	NOTINE.
MK-Muck DT-Detritus					rea	ch b	not st	rghant	
Instream Cover ((%)	,0					- 18445/00		
Other	Woody Debris	Boulders	Cobble	Aquatic Vegetation*	None	Undercut	Banks		
		7007 W.L. 1 (101)	,			Average De	epth:		
	/	/	_	80	1	(% Cover)	/		
Note: Low = 0 - 3	0%; Moderate	= 30 - 75%;	High = 75 - 1	00%					
*Aquatic Vegetation	on Species Pres	ent (algae, su	bmergent, er	nergent etc.)		0/1	2 D G		
0.1400	+ 00m	10	and tho	iteal cha	nnel	- wa	Greek	Edwell	1 grasses
Costano	· Corco	man row				, , , ,	plan	presen	+ July
Canopy Cover (%	6 closed cover):		Types of Co	er (% cov	er)	00000	1	voy
100-90%		30-1%		Trees		Shrubs	1.0	Man-made	
90-60%		0%		Grasses	90	Herbace	/0	structures Other	
60-30%	121	0 /6		Glasses	10	пеграсес	Jus	Outer	
Note: Low = 0 - 36	0%; Moderate	= 30 - 60%;	High = 60 - 1	100%					
Notes: (vegetation	on species, typ	es of structu	res)						
Catha	d, con	2.22.22	reed)) wells	Wig	las.	165		
) 007	ovinori.							
Width and Description of riparian	LB- 1-15	in mea		iparian Vegel		- 15	m m	eadow 1	grasses
vegetation: Overhanging Vege	etation Present	Y //N		% Overhanging	Vegetatio	n:	VANCOUS CONTRACTOR	<u> </u>	
Description of Over		10 27		// Overnanging	, vegetatio	11.			
3.46.2				777.2					
			Obstru	ctions to Fish	Passage				
None Observed		Man-Made		Natural		Low Flow	v Barrier	区	
Description of B	arrier: pote	whial L	ow ye	ow ba	rie				
Height of Barrier			/		GPS Coo	rdinates:	/		

AECOM	Date: Jms 12/12	Land Parcel/Site	e ID: 89K 1351 1395 R1.60 Page 3 of 4
Other General C	omments Regarding the Study Area:		
-fish	psewed	5-	
Watercon Cattei Stagn	use in very Channelize O + common red Cholo cons. Large pools around	ed along) roadride and is en was not Alovers -
Additional UTM (Coordinates:)Q	
Picture #	Description	Picture #	Description
10. 16-2	sheet of Channel		
3-8	Channel overier		
9 =	spool by culwert		-11
10	grewien		
11	grewien		
12-18	last arbeit avoing		
	Elginfield		

Study Area: Jericob Goshen Bhewater Land Parcelle Study Area: Jericob Goshen Bhewater Land Parcelle Study Area: Jericob Goshen Bhewater Land Parcelle Study Area: Jericob Goshen	AECOM					Page 4 of 4	
To the date of the control of the co	Study Area:	Jericho	Goshen	Parcel# 1395	Site ID	R1.60	
				And the contraction of the contr	A A A A A A A A A A A A A A A A A A A	N N N N N N N N N N N N N N N N N N N	10d depth (cm) We width Riffle Run/Glide Pool Island/Bar Fine Substrate ### Gravel Substrate OOooO Cobble /Boulder *** Debris CT Cattail SV/FV Submerg/Float Veg EV Emergent Vegetation W Watercress Fe (ron Staining IIIIIII Eroded Bank XX Riprap / Other Stabilization Instream Log/Tree An Dam/Weir/ Obstruction Riparian Tree -> Seep/Spring
itial QA/QC By: L. Bentley Date: June 26, 20/2 Technical QA/QC By: Marken Date: July 18//2	orizontal View of	Channel	A STATE OF THE STA				

AECOM		Page 1 of 4
	Gen	eral information
Study Area: ericho	Goshen Bluewater La	
Date: June 12/1	2 Start time:	13:50 End Time: 14:00
Weather Conditions:		Field Crew: C. Baros, J. Egp
Sunny,	O to	Field Notes By: C, Boras
Survey /	STEIN STEIN STEIN S	Site Location
Elginfield	Rd., 195+ of	
Easting: 4388 15		477 7221 Description:
Easting:	Northing:	Description:
Easting:	Northing:	Description:
Easting:	Northing:	Description:
Surrou	nding Landuse	Type of Waterrousee
Residential Agriculture Agriculture Agriculture Agriculture Great Other Description:	Meadow ☑ / PAS ↓ Wetland □ Livestock □	Permanent
South side - Con	n field + forest	- would be natural channel
N- meadow		- would be natural channel that has been slightly altered
Notes: (include any inputs into		e, seepages, overland flow)
Is any portion of the water boo	ly underground or not as ma	apped? Y /N
GPS Coordinate: Easting -		orthing - Description-
Description of La	nd Topography Surrounding	Water Body (rolling hills, sloping towards water body)
slightly hi	(ly	
In-Situ	Water Quality	Ground Water and Seepage Indicators
WT (°C):	AT(°C):	Watercress □ Bank Seepage □
pH:	Cond (s/cm):	Iron Staining None
D.O. (mg/L) Water Clarity: Clear	Turbid	Bubbling
Water Colour:		Details:
Notes: (guld not	assess	Could not assess

Maria Maria			Establish No.	Stream Morph	ology		The Day		
Site Length (m):	45m				Bank St	ability:			
	<i>V</i> .					Stable	Slightly	Moderately	Unatable
Channel Dimens	sions						unstable	unstable	Olistable
Mean Wetted Width (m):	~1.5m	Mean Wetted	Depth (m):	/	Left Bank				
Mean Bankfull Width (m):	~0,6	Mean Bankfu	il Depth (m):	~ 0.5	Right Ba	ınk 🗵			
					Descript	ion:	5 2	200 020	
Mean Top of Bank Width (m):	~ 0.7	Mean Top of (m):		1 / / -	W	ell v	getai	ted	
Flow Description	n: (high or low	flow condition	ons, stagna	nt, etc)					
Mone	obser	red					WW.		
	A CONTRACTOR OF THE PARTY OF TH		Wash all all	Habitat				Chica Side	100
Bo - Boulder Co - Cobble Gr - Gravel) Description					Pool 5	Riffle	al Structure Run	(%) Fiat 195
Sa - Sand Si - Silt CI - Clay	Si				Notes:	nollri	y bru	1 pods	only of
MK-Muck DT-Detritus					C	Next		,	
Instream Cover	(%)						**	3400	F 7 7 14
Other	Woody Debris	Boulders	Cobble	Aquatic Vegetation*	None	Undercut	Banks		
						Average D	epth:		WHIS.
						(% Cover)			
Note: Low = 0 - 3	0%; Moderate	= 30 - 75%;	High = 75 -	100%					
*Aquatic Vegetation	-		_						
# hard	LO assor	p but	alsea	present	m,	pools	by one	west +	stream
highly Canopy Cover (%	vegeter	led iv	grass	es					
Canopy Cover (%	6 closed cover):		Types of Cov	ег (% со	ver)			
100-90%		30-1%	M	Trees		Shrubs	10	Man-made structures	
90-60%		0%		Grasses	80	Herbace	ous / Ø	Other	
60-30% Note: Low = 0 - 36		= 30 - 60%:	High = 60 - 1	100%					
Notes: (vegetation	-		•						
	ses, da		.00,						
AV S POR S		NEW YEAR	HER IS V.R	iparian Veget	ation	O. San J.	NEW HOLD		
Width and Description of riparian vegetation:	LB- 75 m	5- mas	low . Co	vest	RB - 9	- 15	$n-\gamma$	neadon	y firest
Overhanging Vege Description of Over		y/N ion:	en di sense de de	% Overhanging	Vegetatio	on: /			
dogu	rood g	wwing					hongib	strea	m
CALL STATE	TIP BOS ALTHURS	DOM: THE PLAN	Obstru	ctions to Fish	Passage	TOS REITA		MERCHANIST STATE	
None Observed	X	Man-Made		Natural		Low Flow	v Barrier		
Description of B	arrier:								
Height of Barrier	· (m)				GPS Coo	rdinates:			

R1.49

AECOM	Date: June 12/12	Land Parcel/Site ID:	1524	Page 3 of 4
Other General C	omments Regarding the Study Area:			
Waterco	use appear, la matura + mparian avec. Worter	ly monodin	3. Ond	grasses
on bank.	+ mparian area. Water	course Josked	simla	017
hath	wides of the read			
	of the work			
Additional UTM	Coordinates:			
and the street of the second states	Phot	o log	Self-Vice Self-P	
Picture #	Description	Picture #	Descripti	on
1 -	sheet			
62	looking Noth			
3-4	Looking South			
		 		
l				

AECOM							Page 4 of 4	
Study Area:	Jericho	Goshen	Bluewater	Watercourse Sket	ich 071 1351 1395	Site ID	R1,60	T R1.49
	meado			Medon			N SV	EGEND 10d depth (cm) 6w width Riffle Run/Gide Pool Island/Bar Fine Substrate DooO Cobble /Boulder *** Debris CT Cattall FV Submerg/Float Veg / Emergent Vegetation W Watercress Fe iron Staining //////////////////////////////////
	gingreld	2 cam		Edelon	The state of the s	Jores (Dam/Weir/ Obstruction Riparian Tree -> Seep/Spring Undercut Bank Barrier to Fish Movement S- Seasonal Barrier -x-x- Fence line Cut/vert
lorizontal View of		"" "" " " " " " " " " " " " " " " " "				0	/	
itial QA/QC By: U	Bentley		Date: June	26,2012	chnical QA/QC By:	Morka	Date: July /	0/12

NECOM		Page 1 of 4
	AND DESCRIPTION OF THE PROPERTY OF THE PROPERT	nformation
Study Area: Jericho	Soshen Bluewater Land Pa	ircel# BON 2020 Site ID: R1, 2
ate: June 18/12	Start time: 15: 0	0 1631 End Time: 15:25
leather Conditions:		Field Crew: C. Boros, J. Epp
120 1 100 A		
Rein, 18°C		Field Notes By: C. B gros
Elgin field,	west of Rodd	Roadside
	UTM Co-ordinates (cont	inue on page 3 if necessary)
Easting: 439 255	Northing: 47	77114 Description: R1.2
Easting:	Northing:	Description:
Easting:	Northing:	Description:
Easting:	Northing:	Description:
Surround	ing Landuse	Type of Watercourse
Residential Agriculture Forest Other Description:	Meadow ⊠ Wetland □ Livestock ⊠ pasture	Intermittent
livestock pash	me on North	starting to naturalize
masher south		33400133
s any portion of the water body f Yes describe: Channel St gn Bon 202	raightened ?.	not as meandering us mappe
PS Coordinate: Easting -	Northing	g - Description-
		r Body (rolling hills, sloping towards water body)
in-Situ W	ater Quality	Ground Water and Seepage Indicators
VT (°C):	T(°C):	Watercress □ Bank Seepage □
	ond (s/cm):	Iron Staining ☐ None ☐
O.O. (mg/L)	□ Turbid □	Bubbling
Water Clarity Clear	□ Turbld □	Other L
Water Colour:		ATTACK BENEFIT SO FOR
lotes: ASA		

Site Length (m)	at 10 m		8	Stream Morph	nology Bank St	tability:				
	70 70						Slightly	Moderately		
Channel Dimen	sions					Stable			Unstable	
Mean Wetted Width (m):	0.5	Mean Wetter	Depth (m):	1	Lef Bani	k		N Z		_
Mean Bankfull Width (m):	1.5	Mean Bankfu	ıll Depth (m):	/	-	ank 🖆 S		<u>∨</u> ⇒		
Mean Top of Bank Width (m):	4	Mean Top of	Bank Depth	1	Descrip	tion: He well	veg	; horth	Irozio	11 00
Flow Descriptio	n: (high or low	12-4	ons, stagna	nt, etc)	307.445	A COLUMN TO THE PARTY OF THE PA		***************************************		
visible	flor	J, W	ate U		low		2			
Substrate (< = >	,			Habitat		Ma	mbologi	nal Structure	/9/\	
Bo - Boulder	2 Description					Pool	Riffle	cal Structure	Flat	
Co - Cobble						1	/	20,75400		11110
Gr - Gravel					-	N, III		10	90	
Sa - Sand	Si= cl				Notes:	U _p ttyll I				
Si - Silt Cl - Clav	21= 01									
MK-Muck										1011
DT-Detritus	(0/)									
instream Cover	(%)	r	Т		γ-					
Other	Woody Debris	Boulders	Cobble	Aquatic Vegetation*	None	Undercut	Banks			ПП
						Average De	pth:			
		/	<i>Y</i>			(% Cover)				1
Note: Low = 0 - 3						()				
*Aquatic Vegetati			-	mergent etc.)						
Canopy Cover (% closed cover):		Types of Co	ver (% co	over)				
100-90%		30-1%	区	Trees		Shrubs	5	Man-made structures		1
90-60%		0%		Grasses	95	Herbaced		_ Structures Other		
60-30%			_	i i				_		
Note: $Low = 0 - 3$	0%; Moderate	= 30 - 60%;	High = 60 - 1	100%		920-01				
Notes: (vegetati	on species, typ	es of struct	ures)							
			and the same of th							
							Maria La			
Width and			R	iparian Vege	CONTRACTOR OF THE PARTY OF					
Description of	LB- N →	0 m			RB -	N -5	6 m	4		
riparian vegetation:	5 7	15m n	readors +	tree		5-8	pri-	meado	W	
Overhanging Veg	etation Present	Y / (N)		% Overhangin	g Vegetati					
Description of Ove	rhanging Vegetat	tion:								
								udinatur sar-		
	TO THE PARTY OF TH		Obstru	ctions to Fis	h Passag	je				
None Observed	Ø	Man-Made		Natural		Low Flow	Barrier			
Description of B	arrier:									
Height of Barrie	r (m)				GPS Co	ordinates:				-

A=COM	Date: 1	Land Parce	al/Site ID: BOR 2020 R1.2 Page 3 of 4
-182935	Date: Mrc (8 /12 comments Regarding the Study Area:	200 1 010	1631 Tage 3014
other contrar of	Similar Augusting the Study / Tour		73.03
1 12.5	de servey completed.	In N	+5 portion of
10000000	Sie Store es our garanio	thr	ons small valle.
Stream	. Watercourse running	h a 10/	Leve - + appelars live stock
North s	ido vuns through pass	me "	area. Meanolling Starting.
Nave ar	as w skream - In 12	office o	cosa in devide
South or	ide soms though mea	phow	and D-15 m
whrai	glot borshion. It has	a br	the war of o
Additional OTM (coordinates:		
Picture #	Photo I	og Picture #	Description
(a	Description Sheet	I icture #	Description
15-2	South side.		
3-5	North side.		
	N		
	Paris de		
¥	~	-	7.7
88			
	·	<u> </u>	

_ AECO/	И			No.		Page 4	of 4
itudy Area:	Jericho	Goshen		rcourse Sketch BOR &	2020 1631 sh 1535	te ID <u>R1</u>	.2.
	Slopel			(C)	9	Ñ	LEGEND 10d depth (cm) 9ew width Riffie Run/Glide Pool Island/Bar Fine Substrate ### Gravel Substrate 00oo0 Cobble /Boulder
	pasture			Pastur-	Tr G		SV/FV Submerg/Float Veg EV Emergent Vegetation W Watercress Fe Iron Staining ##################################
	Elgin	Field	Red	agent and effective the second se	od test for flow (100 p. 50m cycling company) of test flow (100 p. 50m cycling company) of test flow (100 p. 50m cycling cycli	And the property of the second	Instream Log/Tee AAA Dam/Weir/ Obstructio © Riperian Tree -> Seep/Spring
		Machen	4	nead	l was	4	yoside ti
rizontal View	of Channel	<i>→</i>	THE ASSESSMENT OF THE SECOND O	51,	pe		
ial QA/QC By: (Bentley	Į.	Date: Juna 210	2012 Technical	QA/QC By:	Hu Date:	11. 10/12

AECOM		
-	General I	nformation of a second
Study Alea.	shen Bluewater Land P	nformation R arcel# 1637 1/7 Site ID: R 1.37
Date: Man 24/12	Start time: 15.3	20 End Time: 15 20
/eather Conditions:		Field Crew: C, Boros , J. EAP
Sunny, 2	3-00	Fleid Notes By: C, BOFOS
	Site L	ocation
FI. Cald A	Silve	(Roadside
Elginfield Rd,		
Easting: 437307		tinue on page 3 if necessary)
Easting:	Northing:	Description:
Easting:	Northing:	Description:
Easting: Surrounding		Description: Type of Watercourse
Residential Agriculture Agriculture	Meadow Wetland	Intermittent Channelized
Forest L	ivestock	Permanent
	1	Ephemeral
	M	
escription: Com fiel		at the ADAR
otes: (include any inputs into the	ved	
lotes: (include any inputs into the	nderground or not as mapped	epages, overland flow)
lotes: (Include any inputs into the power basics any portion of the water body unif Yes describe:	nderground or not as mapped Sha kut may	spages, overland flow) do VIN become grassed waterway
lotes: (include any inputs into the Now Basker s any portion of the water body un f Yes describe: Could not water SPS Coordinate: Easting -	nderground or not as mapped Sha kent many Northin	spages, overland flow) do VIN become grassed waterway
s any portion of the water body unif Yes describe: Cond not consider the constraint of the water body unif Yes describe: Cond not consider the constraint of the constraint	nderground or not as mapped Sha kent way Northin Depography Surrounding Water	spages, overland flow) di? VIN become grassed waterway g- Description-
iotes: (include any inputs into the possible of the water body unif yes describe: Could not consider the construction of the water body unif yes describe: Could not consider the construction of the water body unif yes described not consider the construction of the	nderground or not as mapped Sha kent many Northin	spages, overland flow) di? VIN become grassed waterway g- Description-
iotes: (include any inputs into the possible of the water body unif yes describe: Could not consider the construction of the water body unif yes describe: Could not consider the construction of the water body unif yes described and the construction of the construc	nderground or not as mapped Sha kent way Northin Depography Surrounding Water	spages, overland flow) di? VIN become grassed waterway g- Description-
s any portion of the water body unif Yes describe: Cond not consider the constraint of the water body unif Yes describe: Cond not consider the constraint of the constraint	nderground or not as mapped Sha but way Northin Depography Surrounding Water	spages, overland flow) di? VIN become grassed waterway g- Description-
s any portion of the water body unif Yes describe: Cand not considered the construction of Land To constitution of Land To co	nderground or not as mapped Sho but way Northin Depography Surrounding Water er Quality	pages, overland flow) d? VIN become grassed waterway g- Description- ar Body (rolling hills, sloping towards water body)
in-Situ Water Into the properties of the water body unif yes describe: Description of Land To but the properties of Land To but the Land To but the properties of Land To but the Land To bu	nderground or not as mapped Sho but way Northin Depography Surrounding Water er Quality	g- Description- er Body (rolling hills, sloping towards water body) Ground Water and Seepage Indicators Watercress Bank Seepage Iron Staining None
in-Situ Water Include any inputs into the property of the water body unity of	Northin pography Surrounding Water Quality *C): nd (s/cm):	g- Description- er Body (rolling hills, sloping towards water body) Ground Water and Seepage Indicators Watercress Bank Seepage Iron Staining None Bubbling Bubbling
iotes: (include any inputs into the property of the water body unity of the wa	nderground or not as mapped Sha kent way Northin pography Surrounding Water er Quality °C):	g- Description- er Body (rolling hills, sloping towards water body) Ground Water and Seepage Indicators Watercress Bank Seepage Iron Staining None
in-Situ Water Colour:	Northin population of a smapped was sent way and a smapped was sent way and a smapped was sent way a smapped with a smapped was sent way a smapped with a smapped way a smapped was sent way a smapped was smapped with a smapped way a smapped way a smapped was smapped way a smapped was smapped was smapped way a smapped was smapped was smapped was smapped was smapped with a smapped was smapped was smapped was smapped with a smapped was smapped with a smapped was smapped with a smapped was smapped was smapped with a smapped was smapped was smapped with a smapped was smapped was smapped was smapped with a smapped was smapped was smapped with a smapped with a smapped was smapped with smapped was smapped with a smapped was smapped with a smapped wi	g- Description- Brown Ground Water and Seepage Indicators Watercress Bank Seepage Iron Staining None Bubbling Cher
in-Situ Water Colour:	Northin population of a smapped was sent way and a smapped was sent way and a smapped was sent way a smapped with a smapped was sent way a smapped with a smapped way a smapped was sent way a smapped was smapped with a smapped way a smapped way a smapped was smapped way a smapped was smapped was smapped way a smapped was smapped was smapped was smapped was smapped with a smapped was smapped was smapped was smapped with a smapped was smapped with a smapped was smapped with a smapped was smapped was smapped with a smapped was smapped was smapped with a smapped was smapped was smapped was smapped with a smapped was smapped was smapped with a smapped with a smapped was smapped with smapped was smapped with a smapped was smapped with a smapped wi	g- Description- Brown Ground Water and Seepage Indicators Watercress Bank Seepage Iron Staining None Bubbling Cher
in-Situ Water Clarity: Clear	Northin population of a smapped was sent way and a smapped was sent way a smapped was sent was sen	g- Description- Brown Ground Water and Seepage Indicators Watercress Bank Seepage Iron Staining None Bubbling Cher
is any portion of the water body unif Yes describe: Cand not considered any inputs into the plant in the pla	Northin population of a smapped was sent way and a smapped was sent way a smapped was sent was sen	g- Description- Brown Ground Water and Seepage Indicators Watercress Bank Seepage Iron Staining None Bubbling Cher

				Stream Morph	ology					
Site Length (m)):		1	11 52 21	Bank St	ability:				
		/				Stable	Slightly	Moderately	Unetable	
Channel Dimen	sions	/		1			unstable	unstable		
Mean Wetted Width (m):	5.0	Mean Wetted	Depth (m):		Lef Bank	Spirital Print				
Mean Bankfull Width (m):		Mean Bankfu	II Depth (m):		Right Ba	ank 🖾				
		0.33		W	Descrip	tion:				
Mean Top of Bank Width (m):		Mean Top of I (m):			34".	well	veges	atod	HAI V	
Flow Description	high or low	flow condition	ons, stagna	nt, etc)	100					
Cŧ	ould not	sle	flor				enfilter o		Viere-	
Substants /< = 3				Habitat				al Charleton	<i>(61)</i>	
Substrate (< = : Bo - Boulder	Description		/			Pool	Riffle	al Structur	Flat	
Co - Cobble					10 -	1001	MINE	T T	191	
Gr - Gravel		/				100		\vee		
Sa - Sand					Notes:	100				
Si - Silt Cl - Clay										
MK-Muck										
DT-Detritus		Hid b 'V		12 [2-]					HE I	
Instream Cover	(%)	10750307		LIL IIA						
Other	Woody Debris	Boulders	Cobble	Aquatic Vegetation*	None	Undercut	Banks	-		HL
1 11 2 1		150 1 07	-			Average D	epth:	_		
						(% Cover)				
Canopy Cover (30-1%		Types of Co		Shrubs	ALC: NO	Man-made	3	135
90-60%		0%		Grasses	NV SEE	Herbace	ous	Other	r	46
60-30% Note: Low = 0 - 3	30%: Moderate	= 30 - 60%	High = 60	100%			111 88			- Vite
			_	100/0						
Notes: (vegetat	ion species, typ	es di structu	142)							
suma	e, grar)			Y	1100	1 5)		
	(0			liparian Veget	ati	Spe	0		Park Street	
Width and Description of riparian vegetation:	LB- ~ 2n	n gran	0		RE	C	s de		E UNIVERSITY OF	
Overhanging Veg	getation Present erhanging Vegetat	lon: Y /N		% Overhangin	gV					11
			Obstru	uctions to Fisi	h Passag	0				
None Observed	团	Man-Made		Natural		Low Flor	w Barrier			
Description of I					51,		D 15 E			
Height of Barrie	er (m)				GPS Cod	ordinates	-21 -			
	3 IS 11 17				31[1]					

AECOM	Date: May 24/12	Land Parcel/Site ID: 8081037 Page 3 of 4
Other General Co	omments Regarding the Study Area:	
Culvert	at road had water	, channel went into
Shruk	s and then yest shruk	so water war applans to
be o	rassed over could not	of Corndian Tel dree do
acc		
Additional UTM	Coordinates:	
	Photo lo	
Picture #	Description	Picture # Description
1-2	nt road crevert	
3-4	water cause in field	
	T 0 = E 0 999 0.8 0 56	
	δ.	
l		

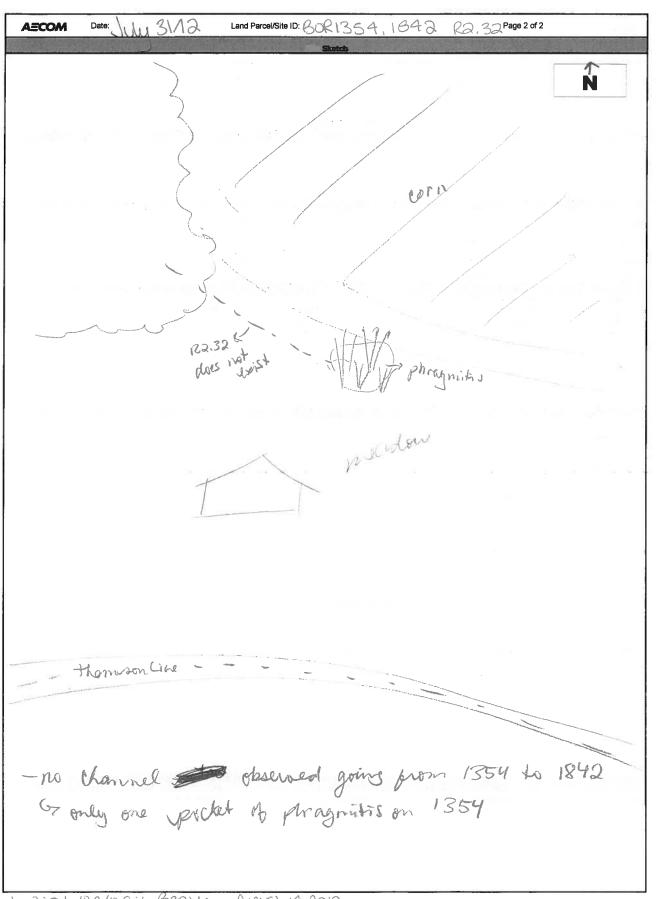
AECOM _		44. W	Margarity and a second				Page 4 of	1
dy Area:	Jericho	Goshen	Bluewater	Watercourse S	801163	7 Site ID	LI.	37
							N	LEGEND 10d depth (cm) 6w width Riffle Run/Gikte Pool Island/Bar Fine Substrate ### Gravel Substrate
	con	tiele); {!~			oOcoo Cobble /Boulder *** Debris CT Cattail SV/FV Submerg/Float Ve EV Emergent Vegetation W Watercress
			gras	sed yer way		Con	red	Fe Iron Staining #################################
	C.M.gin	OX)	d		· · · · · · · · · · · · · · · · · · ·			-S- Seasonal Berrier -x-x- Fence line -L Culvert
		<i>U</i>	= == == ==				2 2	
ontal View of Cl	nannel							
	/.							

AECOM		Page 1 of 2
AECOM	Ge	eneral information
Study Area: Jericho Goshen I	The state of the s	Rol 705 Site ID: 2 .37
Date: MAY24/12	Start time: 18:10	End Time: 15:20
Weather Conditions:		Field Crew: C. BONS, J.EPP
Sunny 26	•	Field Notes By: J.EPP.
AND THE RESIDENCE OF THE PARTY		Site Location
East of Sy	luan, sou	thon Thomson Line Elginfred Road
	U U	JTM Co-ordinates
Easting: 437303	Northing:	77572 Description: R.I.37 BOR 1705
Easting:	Northing:	Description:
Easting:	Northing:	Description:
Easting: Surrounding Land	Northing:	Description: Ground Water and Seepage Indicators
Residential Meadow Agriculture Wetland Forest Livestock Other		Watercress
Description: Row Wops- Cos	in freld.	Details:
		eature Description
is the mapped water body any of the belo	w:	
1) a grassed waterway?		a 2
	ee that one he silled as detailed	wenthrough?
2) Temporary channel for surface draina		voii unougiii ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '
3) Rock chutes or spillways?	Y /(N)	_* = a
4) Roadside ditches that are not connect	ted or do not contain a perm	manent or Intermittent stream?
5) Temporarily ponded ares that are norm	nally farmed?	Y / p()
6) Artificial bodies of water intended for		ning purposes?
1	ərorayə, məannətit tor idim	
8) Any other: Bucied		
Description: (i.e. length of change, if it re	appears, if there is evidenc	ce of water)
Appears to be	. burred,	HU avain near roodside
Madis flowing	19 and co	nonetral to North stall of
Thomason Had	water	the drain near roadside nnected to North sick of course with a culvert
LIONALDON, CLASS	0 00/10	a colvert
		Photo log
	ription	Picture # Description
1 overview	looking South	-
	ooking South	
	EH Le drain	
WE KNOOSIOU	2 looking Sov	oth. The first section of the sectio

AECOM	Date: May 24/17	Land Parcel/Site ID:	BOR 1705	R1.37 Page 2 or	12
			Site Sketch		
				- ;	N
					V
		//-			
_	/ /				
		1/\	afteral.	freld	
		Agri	cultural - - corn .		
/-					
					Term
				/	
		. ! !	d colo		
		H1	e drain.		
1-	8			00	
Com	55/1/5/1	water	P P	rass of	
		(() K	il il	5
		71			
	Thomson	Line	4 - 0		
	6				
					3 1 1
		349			tapinin a

nitial QAIOC L Bentley May 30, 2012

AECOM		SCARTON S	Page 1 of 2
Study Area:		General Information III 13 a K 13 t	-4 2 3 3
Date:	11/12 Start time: 13:8		54 Site ID: 12,32 42 End Time: 13,35
Weather Condi		Field Crew: C	Baros, Tishoney
	Sunny 3/90	Field Notes By:	CiBeras
	\mathcal{C}	Site Location	The state of the s
	14	4 (. L =
	thomson line, west	of I con	Л
A STATE OF THE		Utili Co-ordinales	
Easting:		7999	Description:
Easting: Easting:	Northing:		Description: Description:
Easting:	Northing:		Description:
Residentiai	Surrounding Landuse	m and the second of	Ground Water and Seepage Indicators
Agriculture Forest		Water Iron S	
Other Description:		Bubbl Details:	
A 8/12	h-cnn		
2000	the - bam area it meadon	>	
		Feature Description	THE STATE OF THE S
is the manned		Annual Control	
is the mapped (water body any of the below:		
1) a grassed w	aterway? Y / (N)		
2) Temporary o	channel for surface drainage, that can be tilled or d	riven through?	Y / 😥
3) Rock chutes	or spiliways?		
4) Roadside di	ches that are not connected or do not contain a pe	/	ent stream? Y / N
5) Temporarily (ponded ares that are normally farmed?	Y / N	
6) Artificial bod	lies of water intended for storage, treatment for far	ming purposes?	YIM
8) Any other:	Small depression chia		-
	e. length of change, if it reappears, if there is eviden	nce of water)	
)		ha area	1 24 8/
While	l area where phragmi	Itis forest	- DW No Channel
	Observed		
oltypik Tunia		Photo log	
Picture #	Description	Picture #	Description
1	perceline (185-187)		
2-3	penceline (185-187))	



Initial @A/OC: L. Bentley August 14,2012 flutten Oct 2/12

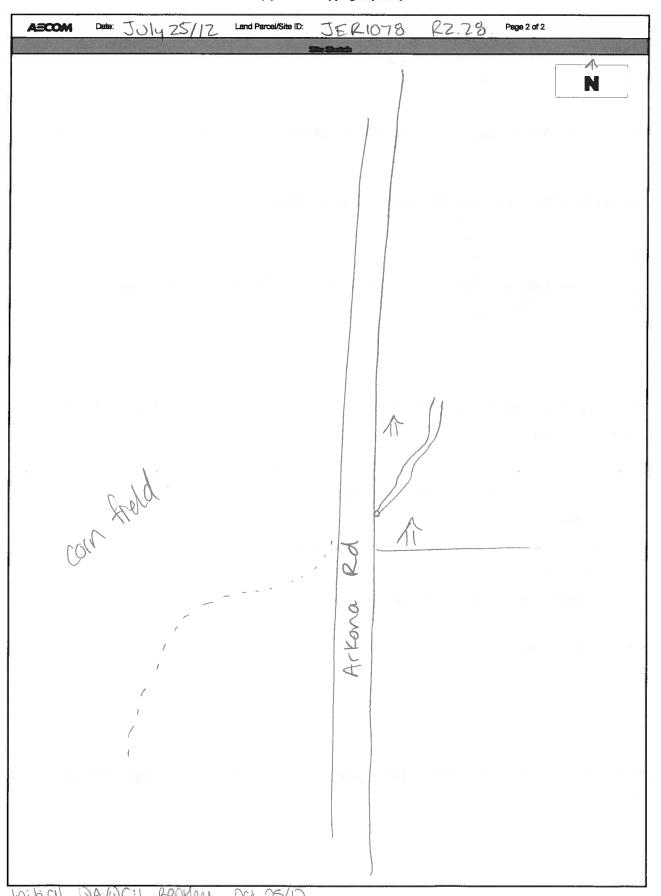
AECOM	3	Page 1 of 4
	General Informat	ion
Study Area Jericho Gosl	nen Bluewater Land Parcel# J	ER 1078, 3737, Site ID: R2.28
Date: July 25/12	Start time: 14 1 90	3736 End Time: 15:80
Veather Conditions:	Fi	eld Crew: Co Boros, J. Epp
Sinny 27°C	Fi	eld Notes By: C. Boro S
- Orwing 5.	Site Location	or comments
Arkena Rel,	South of Raven we	
Easting: 43 2 3 6 4	Northing: 477 13	
Easting: 432459	Northing: 47195	
Easting:	Northing:	Description:
Easting:	Northing:	Description:
Surrounding	Landuse	Type of Watercourse
Agriculture ⊠ N Forest ⊠ Lin Other Description:		Intermittent
com field to forest	to livestock	dry, Channelized An sons A
lotes: (include any inputs into the s	system i.e. tile drainage, seepages,	overland flow)
	re does not smot	
SPS Coordinate: Easting -	Northing -	Description- (rolling hills, sloping towards water body)
smad valley		
in-Situ Wate	r Quality	Ground Water and Seepage Indicators
VT (°C): / AT(°C	C):	Watercress ☐ Bank Seepage ☐
H: Cond	I (s/cm):	Iron Staining None
O.O. (mg/L) Water Clarity: Clear] Tyrbid □	Bubbling
	. ,	tails:
Water Colour:	De	uans.
Water Colour:	De	uans.
	De	

Stream Morphology							
Site Length (m):	70 m				Bank St		
Channel Dimens	sions					Stable Slightly Moderately Unstable unstable	
Mean Wetted	0.8				Lef		
Width (m): Mean Bankfull	0.0	Mean Wetted	Depth (m):		Banl		
Width (m):	1	Mean Bankfu	II Depth (m):	0,4	Right B		
Mean Top of Bank Width (m):	778	Mean Top of (m):		0.0	Descrip	rosion obstacl	
Flow Description	n: (high or low	flow condition	ons, stagna	nt, etc)			
趣	no flo	w -	Chann	el Uy	Doc C	lept 1 pool (~4m long)	
				Habitat			
Bo - Boulder Co - Cobble Gr - Gravel	Description					Morphological Structure (%) Pool Riffle Run Flat	
Sa - Sand Si - Silt CI - Clay MK-Muck DT-Detritus	(day)	Sa = Si	=51)	Co	Notes:	ight meanders in found	
Instream Cover (%)						
Other debcis	Woody Debris	Boulders	Cobble	Aquatic Vegetation*	None	Undercut Banks	
Copper						Average Depth: 0, 3	
10	5		10			(% Cover)	
*Aquatic Vegetation	on Species Pres	ent (algae, su	bmergent, ei	mergent etc.)			
Canopy Cover (%	6 closed cover):		Types of Cov	/er (% cc	over)	
100-90%		30-1%		Trees	50	Shrubs 30 Man-made structures	
90-60% 60-30%		0%		Grasses	10		
Note: Low = 0 - 30	0%; Moderate	= 30 - 60%;	High = 60 - 1	100%			
Notes: (vegetation	on species, typ	es of structu	res)			are my congress of the terminations	
ash	, dogu	rood , h	hen t	horn			
			K	ıpanan veget			
riparian vegetation:		~				Om - shrub + tras	
Overhanging Vege Description of Over		(v)/ N ion:		% Overhanging	Vegetati	on: 7.5	
dense	thicket	- do	povod	, naspl	ery	, grapetine,	
			Obstru	ctions to Fish	Passag		
None Observed		Man-Made		Natural		Low Flow Barrier	
Description of Ba	arrier: al	most.	Infire	. Chan	nll	dry	
Height of Barrier	(m)				GPS Cod	ordinates:	

Date: July 05/12 Land Parcel/Site 10: JER 1978, 37. 3738, 37 Other General Comments Regarding the Study Area: Watercourse phughed through on JER 1078 Watercourse appeared dry on 3737. Water Course was dry of watered entire reach. Very dance thinket covering street Substrate a mix of clay, sand, 5it, gravel- Watercourse appears similar 10m on JER 3736 - ASA Additional UTM Coordinates:	2
Waterconnect appeared dry on 3737. Water Course was dry of watered entire work. Very dense thicket covering street Substrate a mix of clay, sovol, 5it, gravel. Waterconnect appears similar 10m on JER 3736 - ASA	m JEK3738 am Channel
waterconnect appeared dry on 3737. Water Course was dry of watered entire work. Very dense thicket covering street Substrate a mix of clay, soul, 5it, growel-Watercoanse appears similar 10m on JER 3736 - ASA	m JEK3738 am. Channel
waterconnect appeared dry on 3737. Water Course was dry of watered entire wash. Very dense thicket covering street Substrate a mix of clay, sand, sit, growel-Watercoanse appears similar 10m on JER 3736 - ASA	m JER 3738 am Channel
Waterchanse appears similar 10m on JER 3736 - ASA	am Channel
Watercrane appear similar 10m on JER 3736 - ASA)
Waterchanse appears similar 10m on JER 3736 - SA	
	5.
	20
Picture # Description Picture # Description	tion
1-2 west side of Arrema	
3-7 Jen 3137	
9-9 ASA 58736	± ± 0 =-e1 ± ±
10-15 Charnel overviews - moving south	

_ AECOA	1					Page 4 of 4	
udy Area:	Jericho	Goshen E	Bluewater Land Pa		8/ 37, Site ID 38, 3736	NQ, 8	28
				-		N	LEGEND 10d depth (cm) 6w width Riffle Run/Glide Pool 1stand/Bar Fine Substrate ### Gravel Substrate
			vesto ch				oOooO Cobble /Boulder *** Debris CT Cattail SV/FV Submerg/Float Veg
	(3738 PAR YES	A Seminary of the seminary of				EV Emergent Vegetation W Watercress Fe tron Staining
	~						xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
05	o rist	Arkong Rel					-XX- Fence line
		Br.				@ -d	lense thick
zontal View o	of Channel					,	25
)	
			interest Af	1.			:= 1
I QA/QC By: (Bertley	Date	=: Avoust 14,6	OQTechnical QA	OC By le then	Date: Of	2/12

ASCOM					Page 1 of 2	***************************************
			C			1955
Study Area:	Jericho Goshen	Bluewater Land Par	cett JER1078	Site ID:	22.28	
Date: Ju	1425/12	Start time:	:00	End Time:	4:10	
Weather Condi	tions:		Field Crew: CB	Oros J. Epp	>	
Sor	my 27°C		Field Notes By:	FOD		
	"19 510			LOP	THE WARRENCY MAJORSHIP OF	All Taxes
	Ackno	01 00	th of Ra			
	riforia	. Ka, 500	m of ka	veriwood	1 4	
Continue	The state of the s	Northina:	UTIM Co-ordinates	December 1		
Easting:		-(/)		Description:		
Easting:	**************************************	Northing:		Description:		
Easting:		Northing:		Description: Description:	- 30000	
	Surrounding Lan	dase	THE SHABBOUR ST.	Ground Water and Se	sepage Indicators	
Residential Agriculture	Prompt of the last		Waterc	ress 🔲 Bank S	Seepage	
Forest			iron Sta Bubblir		A	
Description:			Details:	<u> </u>		
	orn field		5 9 9 8 8			
	orn merca					
			Feature Description	Man and the same		2 0 0
is the mapped v	water body any of the bel	low:				
1) a grassed w	aterway? Y (N					
i) a grassou sa	atterway ((H)					
2) Temporary o	channel for surface drain	age, that can be tilled or	driven through?	(Ŷ) N		
3) Rock chutes	or enillment?	Y /(M)		0		
o, rock cianes	or spanneys?	1 /(0)				
4) Roadside dit	tches that are not connec	cted or do not contain a	permanent or intermitten	it stream?	YIN	
5) Temporarily	ponded ares that are non	maily farmed?	Y (N)			
		25,0			\sim	
6) Artificial boo	dies of water intended for	r storage, treatment for t	tarming purposes?	Υ /	(N)	
8) Any other:						
Description: (Le	e. length of change, if it n	eappears, if there is evid	ience of water)			
, ,			1984 			
ola	rughed thron	uan corn-	rela.			1
۲,۰	J	U				
						- 1
			Photo leg			
Picture #	Des	cription	Picture #	Descrip	ption	
1-2	site ou	Printeral				
	3410 00	J. 0.00)139.2		†
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į į			1			1 1



Initial DA/OC: C. Bentley Oct. 25/12 Sluxica Oct 2/12

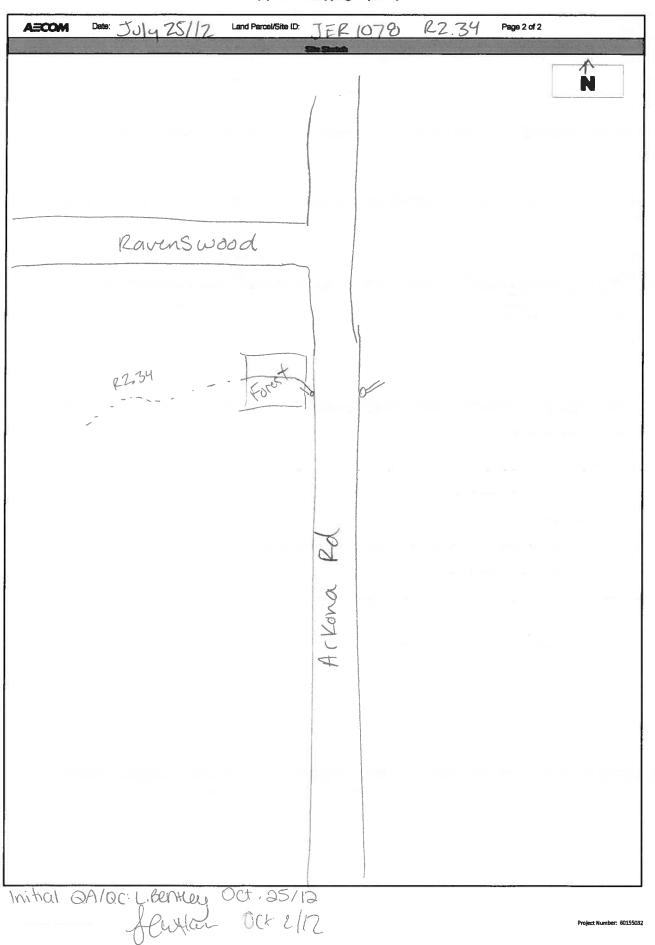
AECOM		Page 1 of 4
	General Info	rmation Lucal
Study Area Jericho Goshen	Bluewater Land Parce	el# 562 3736 1078 Site ID: 22.34
Date: July 25/12	Start time: 14'30	End Time: 15'.00
Weather Conditions:		Field Crew: C. Bevos, J. Fpp
28°C Class	da	Field Notes By: J. EDD
	Site Loca	tion
28°C, Cloc Arkona, South of		(Roudside Asa)
Easting: 432375	UTM Co-ordinates (continue Northing: 477	
Easting:	Northing:	
Easting:	Northing:	Description:
Easting:	Northing:	Description:
Surrounding La	nduse	Type of Watercourse
Residential Mea Agriculture Wet Forest Lives Other Description:	and Cock C	Intermittent Channelized Permanent Natural Channel Description:
Deciduous densition (N Residential on Ecos	15t, soybeanafter furst	channel dry.
Residential on East	1.	1
Nan SERA Is any portion of the water body undergood the secretary of the water body undergood to the secretary of the secret		⊙ N .v Soybean Aeld
GPS Coordinate: Easting -	Northing -	Description-
Valley Sloped to	Data Straw	Body (rolling hills, sloping towards water body)
In-Situ Water Q	uality	Ground Water and Seepage Indicators
WT (°C): AT(°C):		Watercress □ Bank Seepage □
pH: Cond (s/cm):	Iron Staining None
D.O. (mg/L) Water Clarity: Clear	Turbid 🗆	Bubbling
Water Colour: NA	ASA	ASA, now slen.
	8.	

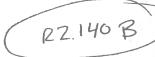
Site Length (m):	Site Length (m): 2 0 50 Bank Stability:								
Jone Zongin (in).	20m	Could	Mtse	, ,	1-1 1-1		Slightiy	Moderately	
Channel Dimens	lons		tec, As	A	2.0	Stable	unstable	unstable	Unstable
Mean Wetted Width (m):	n/a.	Mean Wetted	Depth (m):	nla	Left Bank	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
Mean Bankfull Width (m):	nla	Mean Bankful	l Depth (m):	n/a.	Right Ba	ank 🖾			
Mean Top of Bank Width (m):	nla	Mean Top of I		n/a.	Descrip	tion:	vegetas	led.	
Flow Description		(m): flow condition	ons, stagnar	nt, etc)					
Na	couldn	ot see	ASA		×				
				Habitat					
Bo - Boulder Co - Cobble Gr - Gravel Sa - Sand Si - Silt	Description	A	SA.		Notes:	Pool	Riffle	al Structure Run	(%) Flat
CI - Clay MK-Muck DT-Detritus		mini (ije <u>ir</u>		3	ASI	A		
Instream Cover	(%)				N 1 A	d no			
Other	Woody Debris	Boulders	Cobble	Aquatic Vegetation*	None	Undercut	Banks		
9				ASA.	- 767	Average D (% Cover)	epth:	11 11 11 11	
Canopy Cover (%	attalls.		lweed	Types of Co		worl			
100-90%		,. 30-1%		_ 11	•	Shrubs		Man-made	
90-60%		0%		Trees Grasses	90	_ Herbace	ous	structures Other	
60-30% Note: Low = 0 - 3		= 30 - 60%:	Hiah = 60 - 1	100%			HH/	***	
Notes: (vegetation			•						
Width and Description of riparian vegetation:	LB - 50	n on we	R Tub for ter Jud not	Iparian Vegel St Ste	RB - >	5m on eo	on u	uest of	forest.
Overhanging Vego Description of Over	etation Present rhanging Vegetati	Y /N) ion:		% Overhangin	g Vegetati	on:			
			Obstru	ctions to Fisi	n Passag	0			
None Observed	风	Man-Made		Natural		Low Flor	w Barrier		
Description of B	arrier:								
Height of Barrie	r (m)				GPS Co	ordinates	==		

		- 4 -	
AECOM	Date: 504 25/17	Land Parce	R 2-34 el/Site ID: JER 3734/1078
Other General C	comments Regarding the Study Area:		7,0 7,0
Water	course exists at roadside	. TO +	he west it appears
to floo	w through a small doord	1018 A	inst and Donal
the for	est the water course do		t and w
Calibra	a first the state do	es no	exast, it is a
avide	n freld that is ploughed the	rough	. Could not see
· Verice ·	sew canada.		
	6 25 CV		
A dates a same			* A
Additional UTM	Coordinates:		
	B		
Picture #	Photo lo Description	Picture #	Description
1	Culvert looking east.	_	
2	Culvert on west		
3	Forest overview on west.	5	
4	Agricultural field behind		
	× 1		
- A	2		
			ir ii aa aa aa aa
			_
		=	

tudy Area:	Jericho	Goshen	Bluewater	Watercourse Sketc	th	_R2.3	34
	due de la company de la compan	504		EEROEM ON P. PIN	Reside		LEGEND 10d depth (cm) 6w width Riffle Run/Glide Pool Island/Bar ### Gravel Substrate 00oo0 Cobble /Boulder *** Debris CT Cattail 8V/FV Submerg/Floet Veg EV Emergent Vegetation W Watercress Fe Iron Staining #### From Staining #### Emoded Bank xxxx Riprap / Other Stabilization © Riparian Tree A^A DamWelr Obstruction © Riparian Tree ASeeg/Spring Undercut Bank Barrier to Flah Movement -\$- Seeasonal Barrier -x-x- Fence line Culvert
orizontal View of C	Channel				ASA.		

ASCOM	WATER STREET	The state of the s	Page 1 of 2
			General Information
Study Area:	Jericho Goshen		Parcell JER 1078 Site ID: 22.34
Date: Jul	425/17	Start time:	4:50 · End Time: 15:00
Weather Condi			Fletd Crew: C. Baros, J. EPP
SOV	nny 27°1		Field Notes By: J.Ep.P
	MATERIAL REPORT OF THE PARTY OF		She Location
	A = 10 a	a pd sa	both of Ravenswood Roadside A
	M LOV	car 1201 , 50	SOM OF ROWCHSWOOD
		Maria Maria Salaria	UTBI Co-cardinates
Easting:	energia de la companya del companya de la companya del companya de la companya de	Northing:	Description:
Easting:		Northing:	Description:
Easting:		Northing:	Description:
Easting:	Surreymodian	Northing:	Description:
Residential Agriculture	☐ Mea	dow	Watercress □ Bank Seepage □
Forest	Lives	_	iron Staining ☐ None ☑
Other Description:	•		Bubbling
	_		
5	504 bear	18	
ate hill realist	Manage Service Manage Service		Feature Description
is the mapped t	water body any of the	below:	
1) a grassed w	aterway? Y /	A)	
, - 2		0	•
2) Temporary o	hannel for surface d	rainage, that can be tille	ed or driven through? (y) / N
3) Rock chutes	or spillways?	Y /(N)	
4). Doodoldo dii	lahan Madana matana		in a permanent or intermittent stream?
4) Roadside dii	CHES UIST 2FO NOT COL	INSECTION OF GO HOL CONTEST	•
5) Temporarity	ponded ares that are	normally farmed?	Y (B)
6) Artificial boo	fles of water intended	d for storage, treatment	for farming purposes?
8) Any other:		ACCORD TO THE STATE OF THE STAT	
Water 8-0-1	. lameth of these	* **	anddones of such a
nescription: (Le	e. rengun of change, if	fit reappears, if there is	evidence or weight)
		ad Man	rate so book fold
	proughe	ed throc	igh soybean field.
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以 [2] [2] [3] [4]			
Picture #		Description	Picture # Description
4	Site no	erulen.	
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	I		4 1



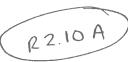


AECOM		Page 1 of 4	TOTAL ST
		nicemetica	
Study Area: Jericho	Goshen Bluewater Land P	Parcel# 3652 Site ID: R2,140	
	2 Start time: 3		
/eather Conditions:	Start time: > i		Tille
	1	Field Crew: (. Boros, T. Sahaganay	
Swamy,	× 7°C	Field Notes By: C, Bnres	
	Stol	ocation	
\wedge \vee	01	4 7	
MINOR	a Rd., south c	16 Jura on	
		desired page 31 sections 7	
Easting: 0432164	Northing: <u>47</u>	72138 Description: Raily	N N
Easting:	Northing:	Description:	
Easting:	Northing:	Description:	
Easting:	Northing:	Description:	
	ding Landuse Meadow		語為於
Agriculture 🔲	Wetland	Intermittent	
Forest 🖾 Other	Livestock	Permanent Natural Channel	
escription:		Description:	
small meadow	o mea roado de	Chamelized to So under now	acl
before pores	1	11 1 1 1 7	
	the system i.e. tile drainage, se		
any portion of the water body Yes describe:	y underground or not as mappe	d? Y I(N)	
	/		
SPS Coordinate: Easting -	Northi		
Description of Lan	d Topography Surrounding Wat	ter Body (rolling hills, sloping towards water body)	
emall val	llen		
	0	SII - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
in-Situ	Hator Godity	San Service Store (A. Maintane Sales Could and F. 100)	
VT (°C): /	AT(°C):	Watercress □ Bank Seepage □	
	Cond (s/cm):	Iron Staining 🔲 None 🗵	
O.O. (mg/L)	_ / ~	Bubbling 🔲 🗆	
Water Clarity: Clear	☐ Turbid		
Water Colours of Office		Details:	
Water Colour: graln			
Water Colour: green Notes: no access			
Notes: no access			

				in the later			S. S. S.			
Site Length (m):	20				Bank St	ability:				
W.	gr V m				THE YOUR		Olimbat.	Madazze		
Channel Dimens	ione					Stable	Slightly unstable	Moderately unstable	Unstable	
Mean Wetted	lons				Left	t 🖂				1111111
Width (m):	0.7	Mean Wetted	Depth (m):	/	Bank	-	DXI			
Mean Bankfull		12	- CP	-	1		- Control		-	
Width (m):	1.2	Mean Bankful	I Denth (m):	/	Right Ba	ank 🗀	K			
erracii (iii).	110	mean Dankidi	Deput (III).		Descript	lion:				
Mean Top of	3	Mean Top of I	Bank Deoth	/	Descript		1			
Bank Width (m):	0	(m):		/	en	mon	oksen	201		
Flow Description	n: (high or low	flow conditio	ns, stagnar	nt, etc)						
			, ,							
sho 1	low ot	mound								- 1
400	Coro 8.7	Ju woo.								
				(10 mg/s)	A French				5 17 46 ALC 2012)	
Substrate (< = >)		15				M	orphologic	ai Structure	(%)	
Bo - Boulder	Description					Pool	Riffie	Run	Flat	
Co - Cobble						n/ah	149			
Gr - Gravel						1			100	4
Sa - Sand	4 4	0			Notes:					W II
Si - Silt	Could	not o	USEN		11000.					9 14
CI - Clay					. /	/				
MK-Muck										3436
DT-Detritus Instream Cover (19/ \	TOTAL STATE OF	- 3		L					
Instream Cover	76)					T				
Other	Woody Debris	Boulders	Cobble	Aquatic	None	Undercu	t Banks			
7 - 17				Vegetation*	110110					
	PERMIT					Average D	epth:			
9				2		(0/ Causa)				- 1
				a		(% Cover)				
Note: Low = 0 - 3	0%: Moderate	= 30 - 75%:	Hiah = 75 -	100%		•				
*Aquatic Vegetation			_							
Adagae regense	on openion i io	voint (angao) ou								
1										- 1
P.	gen									
		,		I=					21046 - 100	
Canopy Cover (%	% closed cove	r):		Types of Co		-				- 1
100-90%		30-1%		Trees	_50	Shrubs		Man-made		
			_	II .	-	_		structures		
90-60%		0%		Grasses		_ Herbace	ous	_ Other	_	
60-30%					50					
Note: Low = 0 - 3	0%; Moderate	= 30 - 60%;	High = 60 -	100%						
Notes: (vegetati	on species, tv:	es of structu	res)							
mannit	Aba ma	ele n	NEURO							
							TO PART OF A	* · · · · · · · · · · · · · · · · · · ·		
Width and					20				Proceedings and the second	
Description of	LB- 25 H	n - maga	100)1	mont	RB -	15m -	no	rdon	luneral	
riparian			18	Our De				/	U	
vegetation: Overhanging Veg	etation Proces	V / KI \		% Overhangin	g Vegetati	lon:				
Description of Over				'e CAELHBURIU	P ACRECAL					
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L				1						
							制造储器			ente di tuitori
			Nest Charles	1						24
None Observed	⊠	Man-Made		Natural		Low Flo	w Barrier			
Description of E	Barrier:									
								/		
Height of Barrie	r (m)				GPS Co	ordinates	s:			
1						makes a second	-			

AECOM	Date: July 30/12	Land Parcel/Si	Re ID: 3285, Page 3 of 4 R 2.140 F	3
	nments Regarding the Study Area:			
Waterer	use is channelize is 7 m on, It see	d under,	road but natura enters a forset.	lly
Kiparion	love in meadow.	area is gr	asses.	
dditional UTM Co	ordinates:			
Picture #	Description	Picture #	Description	
1-3	west side			
4-5	last side			
			Po .	
		5 n		

AECOM				Page 4	of 4
Study Area: Je	ericho Goshen	Bluewater Land Parce	Jer 3285, 362	Site ID	2,1408
ь Э				←N	LEGEND 10d depth (cm) 6w width Riffle Run/Glide Pool Island/Bar Fine Substrate ### Gravel Substrate 00000 Cobble /Boulder
	Frest				CT Cattail SV/FV Submerg/Float Veg EV Emergent Vegetation W Watercress Fe Iron Staining
	A	ricona Rd.	om neado		xxx Riprap / Other Stabilization Instream Log/Tree ^^A Darn/Weir/ Obstruction Ripartan Tree
	9	N. C.		Dr. newdon	- Barrier to Flah Movement -S- Seasonal Barrier -R-X- Fence line
	Kavest				
Horizontal View of Channe	The state of the s				
Initial QA/QC By: (Be r	Hey	Date: AVQUST 14, 20	No Technical CA IOC D	Date:	Oet 21/2



AECOM				1	Page 1 of 2	
			General Informa	ation (2014)		Victoria de la composición dela composición de la composición dela composición de la composición de la composición de la composición dela composición dela composición de la c
Study Area	Jericho Goshen		- V	Site II	: RD 10 JER1	150/JE
Date: MF	14 16/15	Start time: 9:53		End Time	179 300 400	
Weather Condi			Field Crew:	S.LOHNES	JEPP	
over	rcost, 11°C			v: S.Loth	ES	USE I SECTION OF SECURITION OF
	ts.57.2 v 10.40°2041011000000000000000000000	ASSA (ASSESSMENT) ASSA (ASSESSMENT)	Site Locatio			
(1)0	est of ATK	ona				
~~						
ilen (185) et il	10 25 10 00 00 00 page 20		UTM Co-ordina	THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.		
Easting:/	+33084	Northing: 47	78733	Description	ni @access la	neway
Easting:		Northing:		Description	n <u>:</u>	
Easting:		Northing:	500	Description	n:	
Easting:	Surrounding Land	Northing:		Description Ground Water	n: r and Seepage Indicators	
Residentiai Agriculture	i 🖳 Meadow		ALICE STATE OF THE	Watercress	Bank Seepage	the takes toward and resemble received
Forest	t Livestock		-	ron Staining	None	
Description:			Details:	Bubbling		
now	crops		1	2 111		
	in the second			o water	r course.	
	-	*			11.7.4	
			Feature Descrip	tion		
is the mapped	water body any of the belo)w:				
1) a grassed w	raterway? Y N					**
-	. 0	7 H TO T 1996 II I	11 (1) (1)			
2) Temporary o	channel for surface draina	ge, that can be tilled or	driven through?	Y N		
3) Rock chutes	or spillways?	Y /(N)				
				la la		
4) Roadside di	tches that are not connect	led or do not contain a	permanent or inte	rmittent stream?	YIN	
5) Temporarily	ponded ares that are norm	nally farmed?	Y /N			
6) Artificial boo	dies of water intended for	storage, treatment for f	farming purposes	,	YN	
		•				
B) Any other:						
	e. length of change, if it re					
on	arry sua	le gols	NOTO T	rench (dny).	
V.			1	2 / 100	a Cource of	lt.
711	an mal	ugroun	Ji N	o wac	(00001 8	
Ω/	o Marone	d-m	del	med of	a course or	
			V	The state of the s		
			Photo log			
Picture #	Desc	ription	Picture #		Description	
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60	1601	21.24.1		VILVA DE D		
9	trenched a	nauhel			entrari	- 657/75
O.	arati					

(22.10 A

AECOM	Date: MAY 16/12 La	nd Parcel/Site ID: PERILS	10/-RD.10	Page 2 of 2
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	3 8 10 1			
				6 1 1 1 82 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		V Veyage		
	The state of the s	7 - 10 - 1		
		2		e Pagara



Property ID: JEP 3741 Date: MAY 15/12	
Property Access: Laneway Start Time: 10:05 AM End Time: 10:10 AM	
Field Investigators: 5. Lohnes, J. Epp Weather: 11° overcast	
Terrestrial Feature Present: No	
Photograph Numbers:	
a a second and a second a second and a second a second and a second a	
Aquatic Feature Present: No 🔼 Yes 🗆	
Provide breif description (i.e. drainage ditch, watercourse, intermittent, permanent)	
Grass small dry and ditched out	
along lane way and goes under ground	
to adjacent property (JER 1150). Two other old channels not present, agriculturelds.	ed!
Photograph Numbers:	

AECOM		Page 1 of 2
		General Information
Study Area:		Parcel# 1013/3649 Site ID: R2.239-
Weather Condi	tions:	Field Crew: C M. H. C. S. Marcalcha
	Sunny 24°C	Fleid Notes By: S. AtKen
		Site Location
north	n of Townsend Li	re, conducted ASA from
	JERIUIS	
		UTM Co-ordinates See map
Easting:	Northing:	Description:
Easting:	Northing:	Description:
Easting:	Northing:	Description:
Residential	Surrounding Landuse Meadow	Ground Water and Seepage Indicators
Agriculture Forest	Wetland □ □ Livestock □	Watercress ☐ Bank Seepage ☐ Iron Staining ☐ None 점
Other Description:		Bubbling
last	year's corn crop	none observed
	0	
NAME OF TAXABLE		Feature Description
is the mapped v	rater body any of the below:	
1) a grassed w	terway? Y/N	
2) Temporary o	hannel for surface drainage, that can be tilled	l or driven through?
3) Rock chutes	or spillways? Y / N	
4) Roadside dit	ches that are not connected or do not contain	n a permanent or intermittent stream?
5) Temporarily (onded ares that are normally farmed?	Y / N
	•	
	les of water intended for storage, treatment f	or farming purposes? Y / N
8) Any other:		
	. length of change, If it reappears, if there is o	
mau	be the drain.	ed Ahrough Field-no
	Cashude	1717 00 970
SUY	tace teallor	
		Photo log
Picture #	Description	Picture # Description
91	Viw of Ra. 239	
	facine cost	
0 0	overview of adja	and our nextens
4	DARIAIMO OF MOID	CELLE DE ODEN PU

AECOM	Date: May	23/12	Land Parcel/Site ID:	10/1	Ra.239	Page 2 of 2	
8				Site Statch			N

flether Oct 2/12

A≣COM	Δ	, «	Page 1 of 2	`
			General Information	WID?
Study Area:	Gericho Goshen	Bluewater Land F	arcel# 10 \ 3 \ 3649 Site ID: \ 2 \ 239 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	119/9a
eather Condi	tions:	Start time.	Fleid Crew: S. A. Han, S. Daraich	_
	Sunny	24°C	Field Notes By: S. AttCen	
			Site Location	
nor 4	1 % Tou	insend	line, conducted ASA fre	m
JER	1013			
SERVED WEST			UTM Co-ordinates	(2011-2011-15A)
Easting:		Northing:	Description:	
Easting:		NorthIng:	Description:	
Easting: Easting:		Northing:	Description:	
Residential	Surrounding Lan Meadow	duse	Ground Water and Seepage indicators	Article (viscal)
Agriculture Forest	₩ Wetland		Watercress ☐ Bank Seepage ☐ Iron Staining ☐ None ☐ ☐	
Other escription:			Bubbling	
9	Corn Crop			
				71
a grassed wa	aterway? Y / N	age, that can be tilled	or driven through? (v) N R2.239	
Rock chutes	or spillways?	Y / N		
Roadside dit	ches that are not connec	ted or do not contain	a permanent or intermittent stream?	7
		¥0.	MIN - P2.114-	
i emporarily	ponded ares that are non	maily farmed?		
Artificiai bod	lies of water intended for	storage, treatment fo	farming purposes?	
Any other:				
escription: (i.e	e. length of change, if it re	eappears, if there is e	idence of water)	-0
R2. 8	139 may	be ho	drain - no surface featur	()
Mc	CLIN OVI	audo Si	who water draining	
111000	1 STILL PIL	vice of	i de diament la horn	~
2.115	i - 15 Fen	ied and	viface water drainings.	2
			Photo log	
Picture #	YIEW Ob R	and a second	Picture # Description	\dashv \mid
0.0				-
42	View of R			_
15	-VIEW of	P2.114		

P2,114, P2,115

Date: May 23/12 Land Parcel/Site ID: A=COM N Winter weat low lying area 7 planted no surfoc
featureslight
depression
in field

planted >

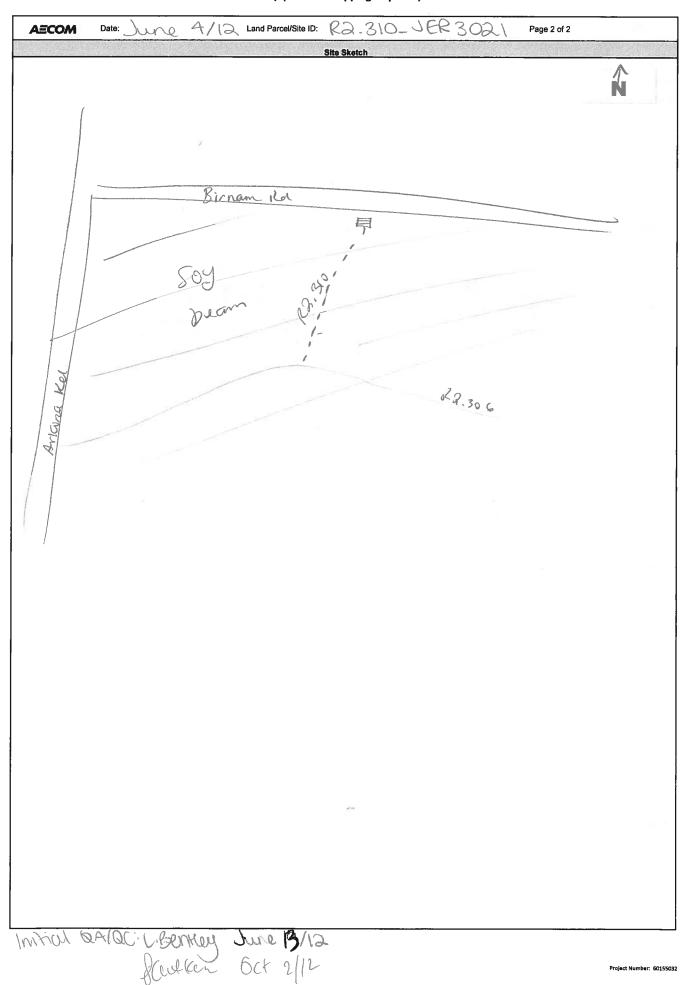
corr driver >
3649 Mess ow Townsend line

Initial DARC: L. Bentley May 30, 2012

Muss

)	Property ID: <u>JER 1013</u> Date: <u>May 23 12</u>
	Property Access: ROE- Yes Start Time: 15:54 End Time: 16:16
	Field Investigators: S. Milken, S. Darauche Weather: Sunny
	Terrestrial Feature Present: No
	Photograph Numbers:
	Aquatic Feature Present: No Yes Provide breif description (i.e. drainage ditch, watercourse, intermittent, permanent)
	-recon of feature on JERIDIZ appears to be grassed mound, also undence of recently the defeld
	Photograph Numbers: 93 + 94

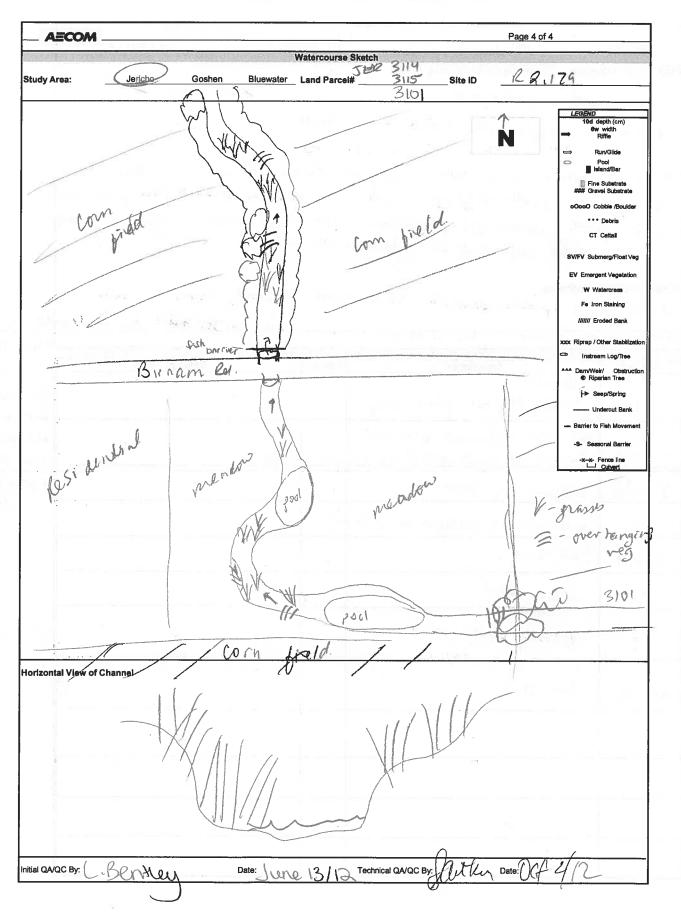
AECOM			Page 1 of 2	
	0	General Information		
Study Area: Jericho	Goshen Bluewater	Land Parcel# JER 3021		
	112 Start time:	12:50	End Time: 13:00	
feather Conditions:	0.00	Fleld Crew: (1./5)	oros, S. Daraiche	
Cloudy	all	Field Notes By:	1/30 105	
		Site Location		
0		la .		
1511r	am 12d, e	ast of Arkona	· Rd	
	e e rexidence de exemple ven	UTM Co-ordinates		
Easting: 5488	P6 Northing:	4806488	Description: X2.310	
Easting:	Northing:		Description:	
Easting:	Northing:		Description:	
Easting:	Northing:		Description:	
Sur	rounding Landuse Meadow		Ground Water and Seepage Indicators	
Agriculture 🖳	Wetland 🖳	Watercre		
Forest └┘ Other	Livestock 🖳	iron Stair Bubbling		
escription:		Details:		
Doy be	cers			
1509	, , , , , , , , , , , , , , , , , , , ,			
A				
		Feature Description		
s the mapped water body a	any of the below:	Feature Description		
		Feature Description		
s the mapped water body a	any of the below:	Feature Description		
a grassed waterway?	Y /(N)	N	<i>M</i> IN	
a grassed waterway? Temporary channel for s	Y / N) surface drainage, that can	Feature Description be tilled or driven through?	<i>Ø</i> / N	
a grassed waterway? Temporary channel for s	Y / N) surface drainage, that can	N	Ø / N	
a grassed waterway? Temporary channel for so	Y / N) surface drainage, that can	N		
a grassed waterway? Temporary channel for s Rock chutes or spillway Roadside ditches that a	Y / N Surface drainage, that can s? Y / N Tree not connected or do not	be tilled or driven through? contain a permanent or intermittent		
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) a grassed waterway?) Temporary channel for some process of the	surface drainage, that can s? Y / (1) re not connected or do not s that are normally farmed r Intended for storage, trea change, if it reappears, if the	be tilled or driven through? contain a permanent or intermittent? Y / ﴿ truent for farming purposes? here is evidence of water)	stream? Y / N Y / N	
) a grassed waterway?) Temporary channel for some process of the	surface drainage, that can s? Y / (1) re not connected or do not s that are normally farmed r Intended for storage, trea change, if it reappears, if the	be tilled or driven through? contain a permanent or intermittent? Y / ﴿ truent for farming purposes? here is evidence of water)	stream? Y / N Y / N	
a grassed waterway? Temporary channel for some channel f	surface drainage, that can s? Y / (1) re not connected or do not s that are normally farmed r Intended for storage, trea change, if it reappears, if the	be tilled or driven through? contain a permanent or intermittent? Y / ﴿ truent for farming purposes? here is evidence of water)	stream? Y / N Y / N	



AECOM	187 1136	100 or 11 - 405 11	Page 1 of 4
Study Area: Jericho Goshen	General Int	المام المسلس	0 170
ottaly Area.		rcel# 3114/3115/310	
Date: June 5 /12	Start time: 841	O Er	
Veather Conditions:		Field Crew: C.B.	oros, S. Paraiche
Sunny, 10°C		Field Notes By:	B-1-5
0 /	Site Lo	cation	120/63
Birnam Rel.,		EMP REISELL	HASA FOR JERSIOI
010 1 0-		nue on page 3 if necessary)	00 4-2
Easting: 43 1095	Northing: 476		escription: $\angle 2,1795$
	Northing: 47		escription: 12,179 wg,
Easting: 431144	Northing: 476	6945 De	escription: 89,179 e
Easting:	Northing:	De	escription:
Surrounding Landuse Residential Meadow			ype of Watercourse
Agriculture Wetland Forest Livestock Other Description:	8	Intermittent Permanent Ephemeral Description:	Channelized Natural Channel
com fields except Sh	Cormer	early stag	es of naturalying
s any portion of the water body underground f Yes describe:	0	Y I	
J			, -
useful /			/
PS Coordinate: Easting -	Northing	. De	escription-
Description of Land Topography		e la companya de la c	
In-Situ Water Quality	la .	Ground W	ater and Seepage Indicators
NT (°C): 15.85 AT(°C): 15.4		Watercress	
bH: 649 Cond (y, s/cm	1): 646	Iron Stainir	
D.O. (mg/L) メ、タド User Clarity: Clear 型	Turbid 🗆	Bubbling Other Details:	water speedwell
Water Colour: n/a Notes: ana clar of emigent + Veg but olgra present	over hanging	potentially by to	water Speedwell Confirmed
Veg but algea present			

	Rank Parlament	NAME OF THE PERSON OF THE PERS	STREET, STREET	Stream Morph		WHO STANKED				2010/02/2015
Site Length (m):	140 m				Bank Stat	oility:				
Channel Dimens	sions		4-12		100.70	Stable	Slightly	Moderately unstable	/ Unstable	10.100
Mean Wetted Width (m):	1,2	Mean Wetted	Depth (m):	0.15	Left Bank		Unstable	unstable		
Mean Bankfuli Width (m):	2.3	Mean Bankfu	li Depth (m):	0.6	Right Ban	k 🗆	X			
Mean Top of	2 -	Mean Top of		2	Description		-			, ,
Bank Width (m):	3.5	(m):			mino	1 1	202181	2 7 AM	o wer	2 71
Flow Description	m flo		- 3		11 385	blrw	obso	ved in	pods	
Substrate (< = >) Bo - Boulder Co - Cobble Gr - Gravel Sa - Sand	Description				Notes:	Pool 7	rphologic Riffle	al Structure Run	93	trate:
Si - Silt Cl - Clay MK-Muck DT-Detritus	21=20	791=1	Coşmk,	7 00	smal 2 l	age	ob no	ted on	sha on be	ido
Instream Cover	(%) 80		,			tations		25-20-20-20-20-20-20-20-20-20-20-20-20-20-	West.	
2							2anke			
Other	Woody Debris	Bouiders	Cobble	Aquatic Vegetation*	None (Jndercut E	Jaiika			-111
Note: Low = 0 - 3	0%; Moderate	5 e = 30 - 75%; sent (algae, su	7 High = 75 -	Vegetation* 265 100% mergent etc.)	A	Average Dep	pth: 0,15	Copin	son Reed	
Note: Low = 0 - 3 'Aquatic Vegetation	0%; Moderate on Species Pre	5 e = 30 - 75%; sent (algae, su	7 High = 75 -	Vegetation* 100% mergent etc.)	o, bila	Average Dep % Cover)	pth: 0,15	Copin		· pla
Note: Low = 0 - 3 *Aquatic Vegetation *AGGG Canopy Cover (9	0%; Moderate on Species Pre	9 = 30 - 75%; sent (algae, su d > c r):	7 High = 75 -	Vegetation* 100% mergent etc.) blooms Types of Co	over (% cove	Nerage Dep % Cover)	oth: 0,15 D	Copin	, wate	· pla
Note: Low = 0 - 3 *Aquatic Vegetation Canopy Cover (9) 100-90%	0%; Moderate on Species Pre	5 e = 30 - 75%; sent (algae, su	High = 75- bmergent, er	Vegetation* 100% mergent etc.) Types of Co Trees	over (% cove	Average Dep % Cover)	oth: 0,15 2 (us)	Copin	, wate	· pla
Note: Low = 0 - 3 *Aquatic Vegetation Canopy Cover (9) 100-90%	0%; Moderate on Species Pre	e = 30 - 75%; sent (algae, su le d > 0 r): 30-1%	High = 75-: bmergent, er	Types of Co Grasses	over (% cove	Average Dep % Cover) Average Dep	oth: 0,15 2 (us)	Copum R R R R R R R R R R R R R R R R R R R	, wate	· pla
Note: Low = 0 - 3 *Aquatic Vegetation Canopy Cover (9 100-90% 90-60% 60-30%	0%; Moderate on Species Pre Closed cove	9 = 30 - 75%; sent (algae, su d > 0 r): 30-1% 0%	High = 75- bmergent, er	Types of Co Grasses	over (% cove	Average Dep % Cover) Average Dep	oth: 0,15 2 (us)	Copum R R R R R R R R R R R R R R R R R R R	, wate	pla
Note: Low = 0 - 3 *Aquatic Vegetation Canopy Cover (% 100-90% 90-60% 60-30% Note: Low = 0 - 3 Notes: (vegetation	0%; Moderate on Species Pre Closed cove	e = 30 - 75%; sent (algae, su c) c) r): 30-1% 0% e = 30 - 60%; pes of structu	High = 75- bmergent, er Ugea - High = 60 - :	Types of Co Trees Grasses	over (% covers	% Cover) % Cover) % Cover) Shrubs Herbace	oth: 0,15 D	Man-made structures	, wate	pla
Note: Low = 0 - 3 "Aquatic Vegetation Canopy Cover (9 100-90% 90-60% 60-30% Note: Low = 0 - 3 Notes: (vegetation	Moderate on Species Pre Closed cove	6 = 30 - 75%; sent (algae, su cl > 0 r): 30-1% 0% o = 30 - 60%; pes of structu	High = 75- bmergent, en Llgea - Lligh = 60- ires)	Types of Co Trees Grasses 100%	over (% covered to the covered to th	A Cover) A Cover) Shrubs Herbaceon	oth: 0.15 Dus	Community of the structures Other	, wate	· pla
Note: Low = 0 - 3 *Aquatic Vegetation Canopy Cover (%) 100-90% 90-60% 60-30% Note: Low = 0 - 3 Notes: (vegetation Width and Description of riparian	0%; Moderate on Species Pre Closed cove	6 = 30 - 75%; sent (algae, su cl > 0 r): 30-1% 0% o = 30 - 60%; pes of structu	High = 75- bmergent, en Llgea - Lligh = 60- ires)	Types of Co Trees Grasses 100%	over (% covers	A Cover) A Cover) Shrubs Herbaceon	oth: 0.15 Dus	Community of the structures Other	, wate	· pla
Note: Low = 0 - 3 Aquatic Vegetation Canopy Cover (9 100-90% 90-60% 60-30% Note: Low = 0 - 3 Notes: (vegetation Width and Description of riparian vegetation: Overhanging Vegetation of Overhanging Vegetation Overhan	0%; Moderate on Species Pre % closed cove 0%; Moderate on species, ty LB - / - 2 estation Present rhanging Vegeta	6 = 30 - 75%; sent (algae, suited > 0 r): 30-1% 0% 0 = 30 - 60%; pes of structu	High = 75-: bmergent, en Lgea - High = 60 -: eres) Anexo	Vegetation* 100% mergent etc.) Types of Co Trees Grasses 100% Uparian Vegetation*	over (% covers) Station RB - / -	A Cover) A Cover) Shrubs Herbaceon	oth: 0.15 Dus	Community of the structures Other	, wate	· pla
Note: Low = 0 - 3 *Aquatic Vegetation Canopy Cover (9 100-90% 90-60% 60-30% Note: Low = 0 - 3 Notes: (vegetation Width and Description of riparian vegetation: Overhanging Vege	0%; Moderate on Species Pre % closed cove 0%; Moderate on species, ty LB - / - 2 estation Present rhanging Vegeta	6 = 30 - 75%; sent (algae, suited > 0 r): 30-1% 0% 0 = 30 - 60%; pes of structu	High = 75-: bmergent, en Lgea - High = 60 -: eres) Anexo	Vegetation* 100% mergent etc.) Types of Co Trees Grasses 100% Uparlan Vegetation*	over (% covers) Station RB - / -	A Cover) A Cover) Shrubs Herbaceon	oth: 0.15 Dus	Community of the structures Other	, wate	· pla
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Note: Low = 0 - 3 Aquatic Vegetation Canopy Cover (9 100-90% 90-60% 60-30% Note: Low = 0 - 3 Notes: (vegetation Width and Description of riparian vegetation: Overhanging Vege Description of Over	0%; Moderate on Species Pre Closed cove Coverage O%; Moderate on species, ty LB - /	6 = 30 - 75%; sent (algae, su 1	High = 75-1 bmergent, en Ligea - Ligea - Ligea - Ligea - Ligea - Ligea - Control Obstru	Types of Co Trees Grasses 100% Itypes of Co Trees Grasses 100% Itypes of Co Trees Grasses Itypes of Co Trees I	over (% cover) Station RB - /- g Vegetation Rh Passage	Nerrage Dep % Cover) Nerry Shrubs Herbaceon	both: 0,15 Dus Barrier	Commendation of the commen	, wate	· pla

AECOM	Date: J m 5 /12	Land Parce	1/Site ID: JBR 3114/ 3115/31	Page 3 of 4
ther General C	omments Regarding the Study Area:			
-you ar	how noted on N state		- green frag	THURSE.
school	of lyprinad noted on.	S side	2.	
the water	of noturalizing - mine	d stre	am that is in	. she lark
stages	of notheralying - mine	n Ame	ander around S.	lumped cli
and 1	lools perming. Instream	Cover	high due to al	gea, camor
cover	cools ferming. Instream	+ Shru	<i>bs</i> .	
Water co	Coordinates: une appleas Similar 30m.	porth	of solvey onea.	et was
a god to	determine of the stream to	vas Si.	mlar on Jel	due to Show
CONTRACT THE PROPERTY OF A CONTRACTOR	musical parameters and a second parameters of the second parameters of	U HANDERUNG CHICA	ATATEM ASSESSMENT OF ASSESSME	
Picture #	Description	Picture #	Descriptio	n
16	Looking N post Hudy area			
0 00	THE 3114 - Channel overrein	_		
2-23	Starting at north walling to	owards	road	
2426	culved on 3/14			
27	greniew on JE3115 at cul	wat		
28-41	JER 3115			
42	lenge pool			= -
43	second lage pool			
	To- 201		W 100 K 100 M	- Harring
44 -45	Jer 3101			
		A		
	No. 112	14	20 6	7.00
			Aug.	1000
		_		



AECOM		91, 2	Year				Page 1 of	2	
				eneral Infor		(8:50-13:50)	LES AND RESIDENCE		
	Goshen Goshen	Bluewater	Land Parcel#				R2.302		
	45/12	Start time:		}	<u> </u>	nd Time:	(0'.30		
Weather Condi	tions:			Field Crew	: C.Boros	, 8.	Daraiche		
Sa	mm 15	b		Field Notes		ores			
	0 /	(05% = (0)	(0):-0-10(0):-0-0	Site Locat	ion				
Bair	ram Rd,	last	Avalue	Rol.			Roadsio	le Survey	
				TM Co-ordi	nates				
Easting:	131349	_ Northing:	4767	095	D	escription	1: R2,302		.
Easting:		_ Northing:	-		De	escription	1:		
Easting:		_ Northing:	72 <u>75 (</u>		D	escription	1:		
Easting:	G	Northing:		W		escription			
Residential	Surrounding Lar Meadov	<i>,</i> 🗀					and Seepage indicate	OFS	SAN SERI
Agriculture Forest		_			Watercress Iron Staining		Bank Seepage ☐ None ☑		
Other			_		Bubbling		None 🔲		
escription:			į	Detalis:					
Lon	bean			760					
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		Stephen I		eature Desc	rintion			ASSES MAJORISM	
				ature Desc	iipuoii				
	channel for surface drain		be tilled or driv	en through	?	(∕) N			
) Rock chutes	or spiilways?	Y / 🛈							
) Roadside dit	ches that are not conne	cted or do not	contain a pern	nanent or in	termittent strear	n?	Y /(N	i)	
) Tomporable	nandad area that are are	malh for	2	, <u>.</u>	100				
, remporarity	ponded ares that are nor	many tarmed	r	Y / N	/				
) Artificial bod	lies of water intended fo	r storage, trea	tment for farm	ing purpose	s?		Y /N		
) Any other:							<u> </u>		
	the state of the s		27000 2 7 00 24 0						
Description: (I.e	. length of change, if it r	eappears, if ti	nere is evidenc	e of water)					
						190			
		明信 图法是任务		Photo io					
Picture #	Des Des	cription		Picture #			Description		
lba	shelt overview drainage								
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2	arainago	grouto					<u>. </u>		
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AECOM	Date: Jn45/12	Land Parcel/Site ID: Jel 3/	01 R2.302	Page 2 of 2	111
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Switch Oct 2/12

		Page 1 of 4
Study Array Jericho Go		nformation
Study Area: Jenono Go	Land	arcel# 3283 Site ID: <u>R2.131</u>
	Start time: ///L	
Veather Conditions:		Field Crew: C. Boros, A. Arsonauld
Cloudy, 200	C messione was	Field Notes By: C. Boros
y /		ocation
Arkona Kd,	gust moved of Jur	
Easting: 432190	UTM Co-ordinates (con	tinue on page 3 if necessary)
Easting:		Description:
Easting:	Northing:	Description:
Easting:		90.000 E.S.
Surroundin	Northing:	Description: Type of Watercourse
Residential □ Agriculture □ Forest ☑ I Other × Description:	Meadow	Intermittent
gross mea ther	forest	meandering stightly
s any portion of the water body u	nderground or not as manner	42 Y / D
s any portion of the water body u	nderground or not as mapped	d? Y/O
s any portion of the water body unif Yes describe: GPS Coordinate: Easting -	Northin	ng - Description-
s any portion of the water body unif Yes describe: SPS Coordinate: Easting - Description of Land T	Northin Topography Surrounding Water	ng - Description- er Body (rolling hills, sloping towards water body)
s any portion of the water body unif Yes describe: GPS Coordinate: Easting - Description of Land T	Northin Topography Surrounding Water	ng - Description-
s any portion of the water body unif Yes describe: GPS Coordinate: Easting - Description of Land T Aul m August In-Situ Water NT (°C): ATI	Northin Topography Surrounding Water State ter Quality (°C): 200	Ground Water and Seepage Indicators Watercress Bank Seepage
SPS Coordinate: Easting - Description of Land T And M In-Situ War VT (°C): H: Co	Northin Topography Surrounding Water Side	Ground Water and Seepage Indicators Watercress Bank Seepage Iron Staining None
SPS Coordinate: Easting - Description of Land T And Mark In-Situ Wat OT (°C): ATI OD.O. (mg/L)	Northin Topography Surrounding Water State ter Quality (°C): 200	Ground Water and Seepage Indicators Watercress Bank Seepage
Sany portion of the water body unif Yes describe: GPS Coordinate: Easting - Description of Land T Aul MT (°C): ATI OH: CO OO. (mg/L)	Northin Topography Surrounding Water Side ter Quality (°C): 200 nd (s/cm):	Ground Water and Seepage Indicators Watercress Bank Seepage Iron Staining None Bubbling

Channel Dimensions Jean Welted Jean Bank Welte	Site Length (m)	. 20			Stream Morph		- H 11 id			
Commendation Comm	Site Length (m)	: 30m				Bank St		=		
Mean Bankfull Mean Bankfull Depth (m): Mean Top of Bank Depth (m): Mean Top of Bank Depth (m): Mean Top of Bank Width (m): Mean Top of Bank Depth (m): Mean Top of Bank Dept		sions								
Mean Bankfull Depth (m): Mean Top of Bank Depth (m): Mean To	Mean Wetted Width (m):	0,75	Mean Wetted	Depth (m):	n/a			3		
Mean Top of Jank Width and Description: (high or low flow conditions, stagnant, etc) Mean Top of Bank Depth Men	Mean Bankfuli Width (m):	1	Mean Bankfu	ii Depth (m):	Ma	Right B	ank 🖾 🗀	3		
Habitat Substrate (< =>) Bo. Boulder Description	Mean Top of	1.5	Mean Top of	iP.	i u i u u u i u	_ ·				
Bubstrate (<=>) Bo-Boulder Co-Cobble Gr-Gravel Sa-Sand Si-Sit Cl-Clay MiK-Muck DT-Defritus Other Woody Debris Boulders Cobble Aquatic Vagetation* None Undercut Banks Average Depth: (% Cover) Aquatic Vagetation Species Present (algae, submergent, emergent etc.) Gravel Si-Sit Cl-Clay MiK-Muck DT-Defritus Average Depth: (% Cover) Aquatic Vagetation Species Present (algae, submergent, emergent etc.) Gravel Si-Sit Cl-Clay MiK-Muck DT-Defritus Average Depth: (% Cover) Aquatic Vagetation Species Present (algae, submergent, emergent etc.) Gravel Anopy Cover (% closed cover): 100-90% Sides: (*Cover) Trees Shrubs Anomade Structures Other Anomade Structures Other RB- 19m + - gravel + reaction: Width and Description of LB- / Opt - grass Width and Description of Overhanging Vagetation: Width and Description of Overhanging Vagetation: Obstructions to Fish Passage One Observed Man-Made Natural Low Flow Barrier			-	ns stagna	nt etc)	we	a vaj.			-
Gr - Gravel Sa - Sand Si - Silt Cl - City MicMuck DT-Detritus Other Woody Debris Boulders Cobble Aquatic Vegetation* Other Woody Debris Boulders Cobble Aquatic Vegetation* None Undercut Banks Average Depth: (% Cover) Aquatic Vegetation Species Present (algae, submergent, emergent etc.) Types of Cover (% cover) Types of Cover (% cover) Types of Cover (% cover) Trees Grasses Types of Cover (% cover) Trees Grasses Types of Cover (% cover) Trees Average Depth: (% Cover) Width and Description of LB - / Opt - gass Width and Description of LB - / Opt - gass Width and Description of Cover (% cover) Width and Description of Overhanging Vegetation: Width and Description of Description of Overhanging Vegetation: Width and Description of Overhanging Vegetation: Obstructions to Fish Passage One Observed Man-Made Natural Low Flow Barrier Description of Barrier:		_			Habitat					
Sa - Sand Si - Sit CO - LO sun Si - Si - Si - Cl . Notes: Could not property costs but Could not property could not property costs but Could not property cou							1			190
Circley MK-Muck DT-Detritus Other Woody Debris Boulders Cobbie Aquatic Vegetation* None Undercut Banks Average Depth: (% Cover) Aquatic Vegetation Species Present (algae, submergent, emergent etc.) Canopy Cover (% closed cover): 100-90%	Sa - Sand	11:00	1 = 5	= 5 C =	cl.	Notes:				
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Other Woody Debris Boulders Cobble Vegetation* None Undercut Banks Adverage Depth: (% Cover) Trees	MK-Muck					Canalla	1.100 Mad	10.	7	f ' co sum of
Other Woody Debris Boulders Cobble Vegetation* None Undercut Banks Adverage Depth: (% Cover) Trees		(%) 50				V0/0/0	1 1/101 1093	ribul	guerre	a i marine
Average Depth: (% Cover) Average Depth: (% Cover) Adjustic Vegetation Species Present (algae, submergent, emergent etc.) Granopy Cover (% closed cover): 100-90%	9.00	A Productive At a second	Boulders	Cobbie		l .	1			in in
Aquatic Vegetation Species Present (algae, submergent, emergent etc.)		1		S4			Average Depth:	-		
Aquatic Vegetation Species Present (algae, submergent, emergent etc.) Granopy Cover (% closed cover): 100-90%	1		/	40	10	1	(% Cover)			
Shrubs Man-made Structures Other Oth	gran	ses								
90-60%	Canopy Cover (% closed cover	r):		Types of Co	ver (% co	ver)		-	-
90-60%	100-90%		30-1%		Trees	10	Shrubs 17)		T
Colore: Low = 0 - 30%; Moderate = 30 - 60%; High = 60 - 100%			0%		Grasses	20	Herbace <u>ous</u>			
Width and Description of LB - / Omt - grass regetation: Verhanging Vegetation Present Y / N % Overhanging Vegetation: Verhanging Vegetation: Obstructions to Fish Passage Vescription of Barrier:		30%; Moderate	= 30 - 60%;	High = 60 -	100%	W = 119				
Width and Description of LB - / Omt grass regetation: Verbanging Vegetation Present Y / N % Overhanging Vegetation: Vescription of Overhanging Vegetation: Obstructions to Fish Passage Ione Observed Man-Made Natural Low Flow Barrier Description of Barrier:	Notes: (vegetati	ion species, typ	es of structu	res)						
Width and Description of LB - / Omt grass regetation: Verbanging Vegetation Present Y / N % Overhanging Vegetation: Vescription of Overhanging Vegetation: Obstructions to Fish Passage Ione Observed Man-Made Natural Low Flow Barrier Description of Barrier:										
Width and Description of LB - / Omt grass regetation: Verbanging Vegetation Present Y / N % Overhanging Vegetation: Vescription of Overhanging Vegetation: Obstructions to Fish Passage Ione Observed Man-Made Natural Low Flow Barrier Description of Barrier:				F	iparian Vege	tation		F-150.01/2	y cus Sauce	
Worklanging Vegetation Worklanging Vegetation: Worklanging Veget	Description of riparian	LB- /0pi	t grass	Ti lon no			10m + - g	jva	r fran	tras
Obstructions to Fish Passage lone Observed A Man-Made Natural Low Flow Barrier escription of Barrier:	Overhanging Veg				% Overhangin	g Vegetati	on:	0		
lone Observed 🔼 Man-Made 🔲 Natural 🔲 Low Flow Barrier 🗆	vescription of Ove	ernanging Vegeta	tion:							
escription of Barrier:				Obstru	ctions to Fis	h Passag	10			
	None Observed	卢	Man-Made		Natural		Low Flow Barr	rier		
	Description of E	Barrier:								
eight of Barrier (m) GPS Coordinates:	-leight of Barrie	r (m)				CDS C-	ordinates:			

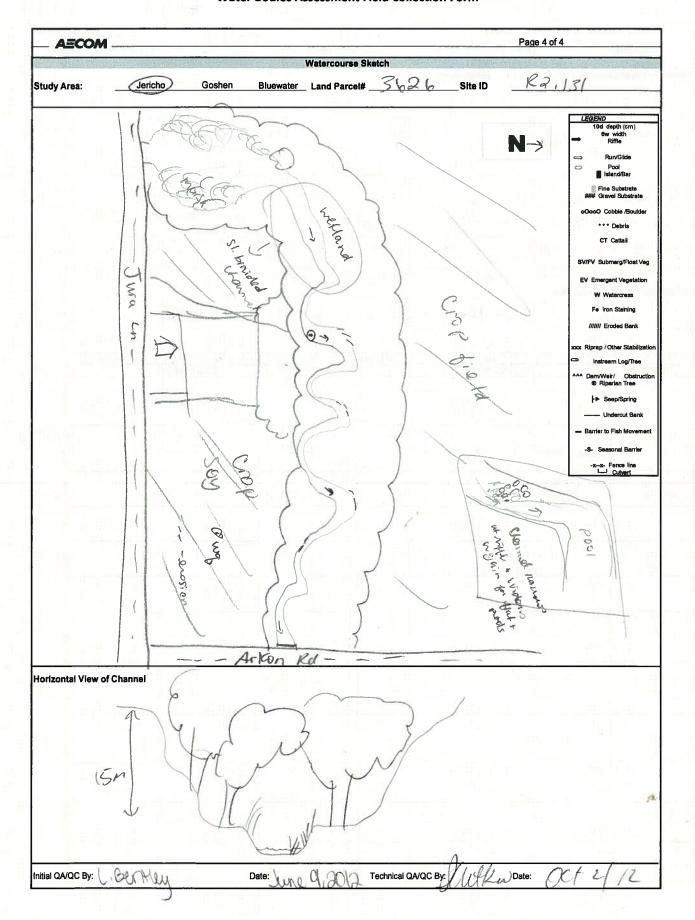
AECOM	Date: May 29/12	Land Parcel,	/Site ID: JEK-3283 Page 3 of 4
	omments Regarding the Study Area:		
-the war	tu course does not app	lan do	be similar in notes.
to JI	5K3626-K2,131. It is n	arrower	, low Canons . con la
only.	Slighty meanders. Still	Arston	of not all the content
MANA	maing onea appelans after	201 00	Months and the
	His course was altered a		notes a crome
THE COL	was of war or and a second	120	
Additional UTM (Coordinates:		(Roadside Survey)
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Study Area: Jericha Goshen Bluewater Land Parce	LEGEND 10d depth (cm) 9w width → Riffle → Run/Glide → Pool ■ teland/Bar ■ Fine Substrate ### Cravel Substrate 0000 Cobble /Boulder - *** Debris CT Cattall SV/FV Submerg/Float Veg EV Emergent Vegetation
gras.	LEGEND 10d depth (cm) 8w width Riffle Riffle Pool InlandBar In
5 8 2 0 2	Run/Gible Pool Island/Bar Fine Substrate ### Gravel Substrate oOooO Cobble Boulder *** Debris CT Catlall SV/FV Submery/Float Veg EV Emergent Vegetation W Watercress Fe Iron Stahling ####################################
Srasses	-9- Seasonal Barrier
rizontal View of Channel	
A) MILLER	HULLIN

AECOM		Page 1 of 4
	General Info	ormation
Study Area: Jerich Goshen	Bluewater Land Pare	cel# JER 3626 Site ID: R2, 131
Date: May 29/12	Start time: 4:00	End Time: 9:50
Veather Conditions:	Tel 11 Factories	Field Crew: CiBoros, A. Arsenaut
Sunm, 18°C		Field Notes By: C.Boms
3 Mil. 10 C	Site Loc	
Jura Line, W	est of Arkon	ra Kel.
Easting: 043/409	Northing: 477	
TA THE THE CASE OF THE	Northing: 04	
Easting: 043/11/		
Easting: 943 2181	Northing: 47	72672 Description: 1211316 end
Easting: Surrounding La	Northing:	Description: Type of Watercourse
Residential Mea Agriculture Wet Forest Livest Other Description: Agriculture 30m Agriculture 30m Agriculture 30m	dow 🔲 land 🗎 tock 🗆	Intermittent
none observed - how any portion of the water body undergo f Yes describe:		YIN
/		
SPS Coordinate: Easting -	Northing	- Description-
slightly volling,	hills	Body (roiling hills, sloping towards water body)
In-Situ Water Q	uality	Ground Water and Seepage Indicators
VT (°C): 2 (1, 87 AT(°C): 0H: 4 (1,55 Cond (4	(BC): 544	Watercress ☐ Bank Seepage ☐ Iron Staining ☐ None ☐ Bubbling ☐
Water Colour:	Turbid Slc 🗷	Bubbling

Site Length (m)	:700m			Stream Morph	ology Bank St	ability:				
					400	Stable	Siightiy	Moderate	iy Unstabl	
Channel Dimen: Mean Wetted	sions			1 1 1 1 1 1 1 1			unstable			
Width (m):		Mean Wetter	d Depth (m):		Left Bank		NA.	 7 ⊠		
Mean Bankfuli Width (m):		Mean Bankfu	uil Depth (m):	TG1 will	Right Ba	ank 🔲		Z		
Mean Top of	6	Mean Top of	Bank Depth		Descript		do 1-1	100	and C	Law Star
Bank Width (m): Flow Descriptio	L	(m):		L	0.00	TVULUVIV	on pu	voion	wize o	Chr. Cd. Cr.I.
sløn) flow	> No	t visibl	Habitat	nder					
Substrate (< = >					2	М		cal Structu	re (%)	447
Bo - Boulder	Description				11 8 1	Pool	Riffle	Run	Flat	0.3071
Co - Cobble Gr - Gravel					- 17	25	20	10	45	V. Ti
Sa - Sand					Notes:		~~	10	10	
Si - Silt	Sa, Si,	el, 90	, mk)	60/60	Notes:	0 45		0 0.		
CI - Clay		0	,	,				e sly	puence	2
MK-Muck DT-Detritus						neses	A series			
nstream Cover	(%) 85		100				1-1-1			
Other	Woody Debris	Boulders	Cobbie	Aquatic Vegetation*	None	Undercu	Banks			Telf
	1					Average D	epth:			
	ا سم رد		0 000	1						
	1 17 1	2	(0)		/	(9/ Course)	10			
						(% Cover)	10	ne de la		
*Aquatic Vegetati	30%; Moderate ion Species Pres	= 30 - 75%; ent (algae, su	High = 75 - ubmergent, e	nergent etc.) 6 1 Come	ver (% co) gra	sses)	Man-mad	le	nvs
Aquatic Vegetati Age Canopy Cover (80%; Moderate ion Species Pres a — Al-Aaa % closed cover	= 30 - 75%; ent (algae, su ched >	High = 75 - ubmergent, ea	Types of Co	ver (% co) gra	sses)	Man-mac	le 98	nvs
Aquatic Vegetati Alge Canopy Cover (100-90% 90-60% 60-30%	80%; Moderate ion Species Pres A - A-A-A-A-A-A-A-A-A-A-A-A-A-A-A-A-A-	= 30 - 75%; ent (algae, su ched > 1 : : : : : : : : : : : : : :	High = 75 - 3 ubmergent, ea	Types of Co Trees Grasses	ver (% co) gra	sses)	Man-mac	le 98	ms
Canopy Cover (** 100-90% 90-60% 60-30% Note: Low = 0 - 3	80%; Moderate Ion Species Pres % closed cover	= 30 - 75%; ent (algae, su ched): 30-1% 0% = 30 - 60%;	High = 75 - ubmergent, en	Types of Co Trees Grasses	ver (% co) gra	sses)	Man-mac	le 98	ms
Canopy Cover (* 100-90% 90-60% 60-30% Note: Low = 0 - 3	80%; Moderate Ion Species Pres A - Adam Closed cover B - B - B - B - B - B - B - B - B - B	= 30 - 75%; ent (algae, su ched) : : : : : : : : : : : : : : : : : : :	High = 75 - ubmergent, en	Types of Co Trees Grasses	ver (% co) gra	sses)	Man-mac	le 98	nvs
*Aquatic Vegetati *Aquatic Vegetati 100-90% 90-60% 60-30% Note: Low = 0 - 3	80%; Moderate Ion Species Pres % closed cover	= 30 - 75%; ent (algae, su ched) : : : : : : : : : : : : : : : : : : :	High = 75 - 1 ubmergent, en algoa	Types of Co Trees Grasses	ver (% co) gra	sses)	Man-mac	le 98	nvs
Canopy Cover (100-90% 90-60% 60-30% Note: Low = 0 - 3 Notes: (vegetati Width and Description of riparian vegetation:	BOW; Moderate ion Species Pres A - Adam Closed covery BOW; Moderate ion species, typ LB - 29 m	= 30 - 75%; ent (algae, su ched) : : 30-1% 0% = 30 - 60%; es of structo	High = 75 - 3 ubmergent, en algoa - 1	Types of Co Trees Grasses	tation	yer) Shrubs Herbace	sses)	Man-mac structure Othe	le 98	nvs
*Aquatic Vegetati ##Aquatic Vegetati ##Aquat	Moderate ion Species Pres A - Al-A % closed cover Book; Moderate ion species, typ LB - 29 m	= 30 - 75%; ent (algae, suched): 30-1% 0% = 30 - 60%; es of structu	High = 75 - 3 ubmergent, en algoa - 1	Types of Co Trees Grasses	tation	yer) Shrubs Herbace	sses)	Man-mac structure Othe	le 98	nvs
Canopy Cover (* 100-90% 90-60% 60-30% Notes: Low = 0 - 3 Notes: (vegetati Width and Description of riparian vegetation: Overhanging Veg Description of over	Moderate Ion Species Pres A - Adam Closed cover Moderate Ion species, typ LB - 29 m Jetation Present Erhanging Vegetat	= 30 - 75%; ent (algae, su ched > 1 : : 30-1% 0% = 30 - 60%; es of structo	High = 75 - ubmergent, en	Types of Co Trees Grasses 100%	tation RB - S	yer) Shrubs Herbace	sses) Ous 10	Man-mac structure Othe	le ss ar	nvs
*Aquatic Vegetati ### Aquatic Vegetati ### 100-90% ### 90-60% ### 60-30% ### Notes: (vegetati ### Width and ### Description of riparian ### vegetation: Overhanging Veg Description of Overhanging Veg #### Description of Overhanging Veg ##### Description of Overhanging Veg ##### Description of Overhanging Veg ###################################	Moderate ion Species Pres A - Al-A % closed cover Book; Moderate ion species, typ LB - 29 m	= 30 - 75%; ent (algae, su ched > 1 : : 30-1% 0% = 30 - 60%; es of structo	High = 75 - ubmergent, en algoa - Ust High = 60 - ures)	Types of Co Trees Grasses 100% Iparian Veget % Overhangin	tation RB - 5	y gran	sses) Ous 10	Man-mac structure Othe	le ss ar	nvs
Canopy Cover (* 100-90% 90-60% 60-30% Notes: (vegetati Width and Description of riparian vegetation: Overhanging Veg Description of Overhanging Veg	Moderate Ion Species Pres A - Adam Closed cover Moderate Ion species, typ LB - 29 m Jetation Present Erhanging Vegetat	= 30 - 75%; ent (algae, su ched > 1 : : 30-1% 0% = 30 - 60%; es of structo	High = 75 - ubmergent, en algoa - Ust High = 60 - ures)	Types of Co Trees Grasses 100%	tation RB - 5	y gran	sses) Ous 10	Man-mac structure Othe	le ss ar	nvo
*Aquatic Vegetati #Aquatic Vegetati #Aquatic Vegetati ##Aquatic	BOW; Moderate ion Species Pres A - Adam Closed cover Cover in the cover is the cover in the c	= 30 - 75%; ent (algae, su ched > 1 : : 30-1% 0% = 30 - 60%; es of structo	High = 75 - ubmergent, en algoa - Ust High = 60 - ures)	Types of Co Trees Grasses 100% Iparian Veget % Overhangin	tation RB - 5	y graziover) Shrubs Herbace	sses) Ous 10	Man-mac structure Othe	le ss ar	nvs
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AECOM	Date: May 2012	Land Parce	el/Site ID: 20.131 JER 3026 Page 3 of 4
ther General Co	omments Regarding the Study Area:		
green mo	og Leard, furthe observed	(992)	
	96 Yoy (5p3) \$15h		
at west	t end of Stream (colons A	Com to	EdJurain) there is a marshy
area, a	It other llower into or wella	nd and	to which ultimately
borns	mile a perest area. The a	atticon	use meanous sures.
and &	as right run good slege	uncip,	Camopy Cover as high.
Roadsid	u at Arkona for JEh 3626	is the	begins wonest of reach
Julional Cimi	Journales.		
> water	ouse in valley - clims	sol do	un approx 15m
		= \$	
Picture #	Photo I Description	og Picture #	Description
101	sheet		
19	Looking at JER 3632		
2	2 15: 1 - 1: 2(0:		
0	Roadside for JEK3626		
3-12	west branch		
	Di WOO		
3-17	next		7
18	Jum Artong Rd		
	qui de disconside		
NA DESCRIPTION			
			20 1
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		144	
			Programme.

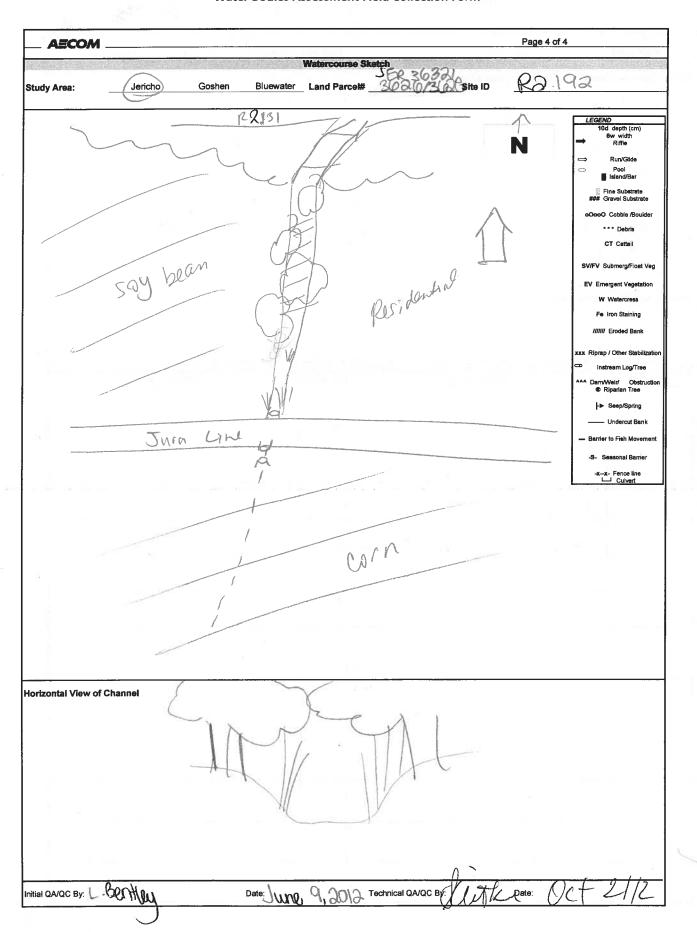




		Page 1 of 4
	General Infor	
Study Area.		#JER3632 Site ID: R2, 192
Date: May 29/12	Start time: /0:00	End Time: 10130
Veather Conditions:		Field Crew: C. Bons, A. Arserault
Movely 2	(200	Field Notes By: (1800)
	Site Locat	dion
	and the state of t	
Thru Line. 1	rest of Arlana	_
	UTM Co-ordinates (continue	
Easting: 0431669		
Easting: 0431750		
Easting:	Northing:	Description:
Easting:	Northing:	Description: Type of Watercourse
Residential 💆	Meadow 🔲	
Agriculture ☑ Forest ☐	Wetland □ Livestock □	Intermittent ☑ Channelized ☑ Permanent ☑ Natural Channel □
Other		Ephemeral
escription:	east side	Description:
A. A. A. DAK	rest + south side	Ma flow, dy in some locations
496) - 10000 C	2000	on north side
Yes describe:	on South Side	
Watercoms Emili		
100	3 1649 Northing - 4	4772600 Description Casal Side
PS Coordinate: Easting -		9772600 Description- Cond Side
PS Coordinate: Easting - 04 Description of Land T	opography Surrounding Water Bo	ody (rolling hills, sloping towards water body)
PS Coordinate: Easting - 04. Description of Land T	opography Surrounding Water Bo	The second secon
PS Coordinate: Easting - 04 Description of Land T	opography Surrounding Water Bo	Ground Water and Seepage Indicators Watercress Bank Seepage
PS Coordinate: Easting - 07 Description of Land T In-Situ Wa IT (°C): AT	opography Surrounding Water Bo	Ground Water and Seepage Indicators Watercress Bank Seepage
Description of Land T Description of Land T Descr	ter Quality (°C): 20°C and (s/cm):	Ground Water and Seepage Indicators Watercress
Description of Land T January J	Topography Surrounding Water Botter Quality (°C): 20°C	Ground Water and Seepage Indicators Watercress
Description of Land T In-Situ Water Clarity: Clear Water Colour:	ter Quality (°C): 20°C and (s/cm):	Ground Water and Seepage Indicators Watercress
Description of Land T In-Situ Water Clarity: Clear Water Colour:	ter Quality (°C): 20°C and (s/cm):	Ground Water and Seepage Indicators Watercress
PS Coordinate: Easting - 04. Description of Land T In-Situ Water Clarity: Clear Water Colour:	ter Quality (°C): 20°C and (s/cm):	Ground Water and Seepage Indicators Watercress
Description of Land T In-Situ War IT (°C): AT. Co. O. (mg/L) Water Clarity: Clear	ter Quality (°C): 20°C and (s/cm):	Ground Water and Seepage Indicators Watercress

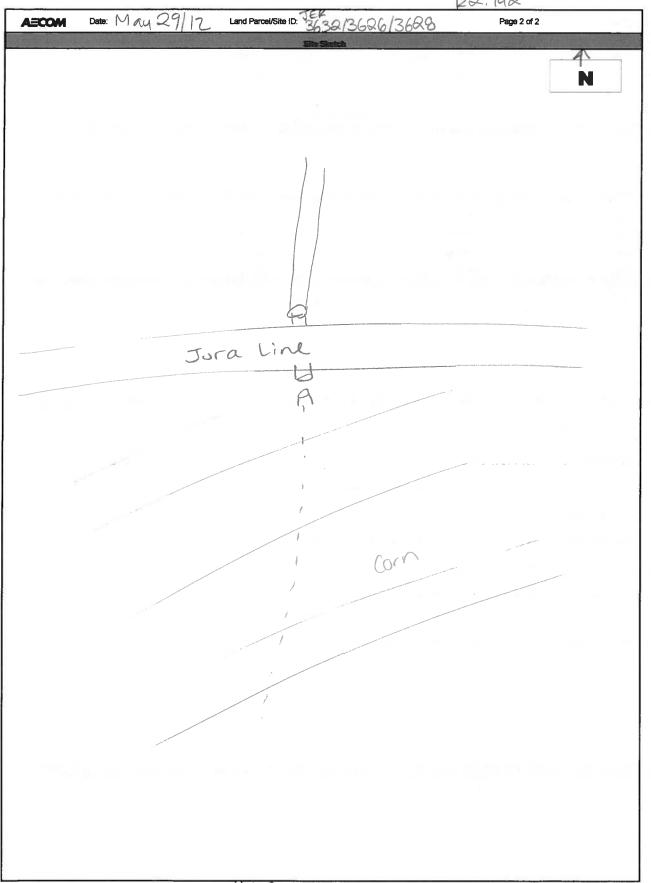
			S	tream Morph	ology		Treat the			PAN SHY
Site Length (m):	~ 30.	10			Bank Sta	bility:				
						Stable	Slightly	Moderately	Unstable	
Channel Dimens	sions				1		unstable	unstable	_	
Mean Wetted Width (m):		Mean Wetted	Depth (m):		Left Bank					
Mean Bankfull Width (m):	0.5	Mean Bankfu	ill Depth (m):	0.5	Right Bar					
Mean Top of Bank Width (m):	∞ I	Mean Top of	Bank Depth	1	Description	on:	res,	no eri	dence	10
Flow Description	n: (high or low		ons, stagnar	nt, etc)	J					
- 44020				ed ->	dry	Than	nnel	~ 50m	from	1 156
Substrate (< = >				Habitat		M	orphologic	al Structure	(%)	
Bo - Boulder Co - Cobble Gr - Gravel	Description				*	Pool	Riffle	Run	Flat 1:50	
Sa - Sand Si - Silt	Si, U	2,59			Notes:		10 6-1			
CI - Clay MK-Muck					244	aigh	tened			
Instream Cover	(%) 70									
Other	Woody Debris	Boulders	Cobble	Aquatic Vegetation*	None	Undercut	t Banks			
/	30	1	10	30	/	Average D	/	/		
*Aquatic Vegetation		ent (algae, su	iomorgani, or	inergent sto.,				2 22 1	(A) = (A) = (A)	
Canopy Cover (%	6 closed cover):		Types of Co	ver (% cov	er)				
100-90%		30-1%		Trees	511	Shrubs	577	Man-made structures		
90-60% 60-30%		0%		Grasses		Herbace	ous	Other		
Note: Low = 0 - 3	0%; Moderate	= 30 - 60%;	High = 60 - 1	100%						
Notes: (vegetation	on species, typ	es of structu	ıres)							
Willow	~ i msh,	dogs	wood							
				iparian Vegel			No. of Contract		is the	
Width and Description of riparian vegetation:	LB- /-/	5 Joses	4		RB - / ~	- 20	-60	Ist		
Overhanging Veg Description of Ove		ion:		% Overhangin	g Vegetation	n: 45-				0
do	gwood	+ Li	ullow	2000						
		4万字行为。	Obstru	ctions to Fis	h Passage) 上海 100000000000000000000000000000000000			
None Observed	飘	Man-Made		Natural		Low Flo	w Barrier	冥		
Description of B	arrier: dry	Stret	clos,	does not	flow	int	0 R2.1	31		
Height of Barrie		/			GPS Coor					

9			
AECOM	Date: May 29/12	Land Parc	el/Site ID: 3632/3626 (\$628 Page 3 of 4
	comments Regarding the Study Area:		
- Water	course build on JER 36	32 -	outlet pipe observed
- water	pooled at roadeide on j	ER 368	26 = 3628, Could not
	U entire way due to a		
	se Channel was dry. New		
	water was present in chan	mel b	ent was unot flowing
17	to R2.131		
Additional UTM	Coordinates:		
0 11	·		
2012 1176 1112213			Sign and the second sec
Picture #	Photo lo Description	g Picture #	Description
1 b	Looking (1) tensourds		=
2	Looking & from same spot, buried crepb		15
3-14	Looking worth		1
15-17	behind douse before Cower	zonce	anca
	- ¥		
25	e F		A I Fe II
E4			
			8
		n.	=



ASCOM						Page 1 of 2		
		新一种一种工作	Beneral Inform	nation	3083	20 10-	WEAT STEEL	
Study Area:	Jericho Goshen	92 S281 C				R2.192		
Weather Condi	429/10	Start time:	Field Crew:	1 Bor	ind Time:	Aisenaul+		
	Jdy 20°C							
Clo	July & C		Field Notes	By: (F	soros		1019 109	#A F (2.11)
		0	N -10 -	~				
Ju	ora line,	West of	HIKOV	W.				
			UTM Co-ordin	0.95				
Easting:		Northing:			escription:			
Easting:		Northing:			escription: escription:			
Easting:		Northing:			escription:		17.00	
Residential	Surrounding Lan	dise the second	Sandy Alvers	Grou	nd Water and S	ierpage indicators		
Agriculture	☑ Wetland	_		Watercress Iron Staining		Seepage		
Other	Livestock	_		Bubbling	None			
Description:			Details:					
	0260		ls:					
	Corn							
	The New Year of the	Automore (Well-	Feature Descr	ption		TO WEST TO BE	AND VALUE	
is the mapped v	water body any of the bei	ow:						
	taxit o							
1) a grassed w	aterway? Y / N							
2) Temporary of	channel for surface drains	age, that can be tilled or dr	iven through?	,	Y /N			
D. D		Y /(N)			U			
3) Rock chutes	or spilways ?	T I(N)						
4) Roadside dit	tches that are not connec	ted or do not contain a per	rmanent or int	termittent strear	n?	Y /(N)		
5) Temporariiv	ponded ares that are non	maily farmed?	Y (N)					
	100 to 101 to	•		_	23	10		
6) Artificial boo	iles of water intended for	storage, treatment for fare	ming purpose	87	Y			
8) Any other:								
Description: (i.e	e. length of change, if it re	sappears, if there is eviden	ce of water)	~	2000 Occionio VI			
Lundo.	CAUSO IS	burned per observ	SOUTH	of.	Jura (ine		
Ware	100000000000000000000000000000000000000	De absor	MA					
]	> outlet pi	THE OUTER	J CU					
								1
			Photo for			AND DESCRIPTION OF THE PARTY OF		
Picture #	Desc	cription	Picture #		Descr	iption		
		POSSESSED TO THE RESIDENCE OF THE PERSON OF			-11			
		200000000000000000000000000000000000000						

P2.192



Initial On/OC: Chentley Oct. 25/12 Sauther Oct 2/12

AECOM			Page 1 of 4
	100000000000000000000000000000000000000	General Info	
Study Area: Jericho	Goshen Bluewater	Land Parce	5 3626/3632 Site ID: R2. 186
ate: Man 29/1	Start tim	e: //:90	End Time: (1-30
eather Conditions:			Field Crew: C. Boros, A. Ars mant
Chords	, 25°C		Field Notes By: C. Boros
		Site Loca	
Jura	Cine, we	A of	Arkona
			on page 3 if necessary)
Easting: 0432	O7 Northing	: 4772	599 Description: R2.186 STAR
Easting: 0432 \			268) Description: R2.186 END
Easting:	Northing		Description:
Easting:			<u> </u>
Sui	Northing Tounding Landuse		Description: Type of Watercourse
Residential Agriculture	Meadow □ Wetland □		Intermittent 🖾 Channelized 🗖
Forest 💆	Livestock		Permanent Natural Channel
Other escription:			Ephemeral Description:
sport - deci	distan		flow dependent result of
forest - we	(((((((((((((((((((((((((((((((((((((((invivading landus
4040000			MIN Moding Cunches
Yes describe:	TER3632 wither		or ploughed through - could not
V - T,		11.0°	
PS Coordinate: Easting -		Northing -	Description-
Description of	Land Topography Surrour	iding water B	ody (rolling hills, sloping towards water body)
0.71/	10		
slightly n	owing		
in-	Situ Water Quality		Ground Water and Seepage Indicators
/T (°C):	AT(°C): 20°C		Watercress □ Bank Seepage □
н: /	Cond (s/cm):		Iron Staining None
.O. (mg/L)			Bubbling
Water Clarity: Clear			Other
Water Colour:			Details:
rrater volvur.			
	1 water La		
otes: Not a vous	h luwin ro		
otes: not ervour	5		4,000
Windang A	V		

			S	tream Morph	ology					
Site Length (m):	50 m				Bank St	ability:				
						Stable	Slightly	Moderately	Unstable	
Channel Dimens	sions						unstable	unstable	Clistable	
Mean Wetted Width (m):	/	Mean Wetted	Depth (m):	1.	Left Bank		Æ			
Mean Bankfull Width (m):	dim	Mean Bankful	il Depth (m):	0.5	Right Ba	ank 🗆				
Mean Top of	4	Mean Top of	Bank Depth	3	Descript	ion: Jvv	sion el	sidence		
Bank Width (m):	5	(m):	-							
Flow Description	n: (high or low	flow condition	ons, stagnai	nt, etc)						
ho	flow -	only.	podeo	1 woote	1					
				Habitat					刘智子 (4)	
Substrate (< = >)					Me	orphologic	al Structure	(%)	
Bo - Boulder	Description				X	Pool	Riffle	Run	Flat	
Co - Cobble					-	8	12		90	
Gr - Gravel						0	2		40	
Sa - Sand	Ci - 1	-CA \			Notes:				_	- T
Si - Silt Cl - Clay	S1= U	-sa)	Ø		l .			A	0 -	21
MK-Muck					10	ne Co	ase c	reater	In	all
DT-Detritus							mt/le	k		
Instream Cover	(%) 35 70	7	907/2 X-40		Services 4	7 2 30	- //	Ti-sums		200
Other	Woody Debris	Boulders	Cobble	Aquatic Vegetation*	None	Undercut	Banks	2507 2		
	6 50	W 60 House Hard St.		Vegetation		Average D	epth:			
	20		40	/0		(% Cover)				
Note: Low = 0 - 3	0% Moderate	= 30 - 75%	High = 75 -	100%					My Calladallia	-
*Aquatic Vegetation										
Addate togotate	on opocios i res	ont (algae, ea	Dinorgont, or	norgonic otc.,			48.04			- 1: -22
grasses)									
g										
Canopy Cover (%	% closed cover):		Types of Co	ver (% co	ver)				
100-90%		30-1%		Trees	80	Shrubs	10	Man-made structures		
90-60% 60-30%	5	0%		Grasses		Herbace		Other		
Note: Low = 0 - 3	0%; Moderate	= 30 - 60%;	High = 60 -	100%			- 1200-	3339-37		
Notes: (vegetation	on species, typ	es of structu	res)							
, , ,			•							
elms,	Law H	w, mor	Mow							l
PROPERTY WHEN A SAME	NU RANK TENNIS	a westen	В	parlan Veget	ation	PATRICIA PROVINCIA	C 400 THE RESIDENCE OF THE PARTY OF THE PART	SERVING RECEIVE	O PARISONAL PROPERTY.	Oliveria de
Width and Description of riparian	LB- Qnm	four		ipanan vege		5m.	forest			80%41hir(5)6704
vegetation: Overhanging Vege		②/ N		% Overhanging	g Vegetati	on: 10				
Description of Ove			9			, •				- 1
overha	ngin e	hamel								n
			Obstru	ctions to Fisl	n Passag	9				
None Observed		Man-Made		Natural		Low Flov	w Barrier	Ø		
Description of B	arrier: Mu	g solve	exches							
		1					/			
Height of Barrier	(m)	/			GPS Cod	ordinates:	/			

AECOM	Date: 194 29/12 Land	Parcel/Site ID: Page 3 of 4
Other General Co	comments Regarding the Study Area:	Parcel/Site ID: JERSIA (131032)
>(0) ~	part of channel R.a.	1860 littered with
garbo		
	1 little water win char	mel mostly standing
	`	1100 - 11000-1
	ant pools (very small).	
	nel headed @ then E	and connected with
R2.131		
7 (5) PC	art of channel Clooking	from Jura) is burter
Additional UTM (Coordinates:	

Picture #	Photo log Description Pictu	re# Description
(a	Looking (6) into channel	
16	R2.186 > 1045 of garbage	
	S in channel towards	9
7	Jura Line	
3-6	@ into channel-high eroded banks.	
7	5) into channed	- P
8	@ into channel	
a	(1) where Ra. 180	
l	meats R. 2131	
10	3 on Jura, worker-	Fig. 1
1	course Ra. 1840 buried	
		g= 1
· · · · · · · · · · · · · · · · · · ·		

_ AECO	M	Page 4 of 4
	Watercourse Sketch	
Study Area:	Jericho Goshen Bluewater Land Parcel# 16 3026/Site ID	R2.184
	50.79	LEGEND LEGEND
		10d depth (cm) → width Riffle
		⇒ Run/Glide
		leland/Bar
	RQ.131 ->	Fine Substrate ### Gravel Substrate
	Service of the servic	oOooO Cobble /Boulder
		CT Cattail
	Y SE	SV/FV Submerg/Float Veg
	X	EV Emergent Vegetation W Watercrees
		Fe Iron Staining
	29.18/2/CC X	IIIIIII Eroded Bank
		xxx Riprap / Other Stabilization :
	X HE X X	AAA Dam/Weir/ Obstruction S Riparian Tree
		→ Seep/Spring
	i GE X	— Undercut Bank Garbog — Barrier to Fish Movement
	XXXX	Barrier to Fish Movement - Seasonal Barrier
		X-X- Fence line
		X Moured
	V ETE / X	/ Ra. 186
		t-highly proded banks
	() () () () () () () () () ()	V- trees
	JURA	X TICCS
		////
/ /		
1.1		
Horizontal Vie	w of Channel	
THE THE	() () () () () ()	a -mbbles
		O-cobbles V-grasses P-trees.
		SJ-trees.
	ece James de	
38	The state of the s	
Initial QA/QC By:	Continue Date: June 9, 2003, Technical QA/QC By Huther	n Date: Oct 2/12
	OMIL HOMO	n go clie

AECOM			Page 1 of 2	
Study Area: Jericho Goshen	Bluewater Land Parce		632 Site ID: RQ.196	
Date: May 29/12	Start time: C	00	Boros, A. Arserault	
Weather Conditions:	r.	Field Crew: C. B	Boros, A. Arserault	
Cloudy, 20°		Field Notes By:	Baros	
		Site Location		
Jora Lie	ne, west		ona.	
Easting:	Northing:	UTM Co-ordinates	Description:	Physical Control of the Control of t
Easting:	Northing:		Description:	
Easting:	Northing:		Description:	
Easting:	Northing:		Description: Ground Water and Secretor inflicators	
Residential		Watercree iron Stain Bubbling Details:	ning None 🔟	
		Seature Description	CONTRACTOR CONTRACTOR OF THE STATE OF THE ST	- mark
is the mapped water body any of the belo	ow:	Andrew Stanford States Control of		
1) a grassed waterway? Y / (1)				
Temporary channel for surface draina	ge, that can be tilled or d	riven through?	(Y)N	
3) Rock chutes or spillways?	Y / (N)			
4) Roadside ditches that are not connect	ted or do not contain a pe	ermanent or Intermittent :	stream? Y / (N)	
5) Temporarily ponded ares that are nom	nally farmed?	Y 1 (v)		
6) Artificial bodies of water intended for	storage, treatment for far	ming purposes?	Carr	
8) Any other:				
Description: (i.e. length of change, if it re	appears, if there is evider	nce of water)	la en la constante	
South of Jura Wine the watercourse is buried				
ı				
	And States Lawy Section	Photo log		
	eription	Picture #	Description	
10 3 m Jura v	own con x			
		7,000		

RR. 186

Date: May	29/12 Land Pa	rcel/Site ID: JER 3626/30	23Q Page 2 of 2	Mily self or the
		SileStern		N
		·		
	Jyra	Line		and all
		(-	7
)		
agro	oltoral Freld			
	Theor	1	-/	
	/	,		
/		: /		

Initial OA/OC: L. Bentley Oct. 25/12 Shuther Oct 2/12

AECOM	lick ass	Page 1 of 4
	General in	nformation
Study Area: Jericho Gosho	en Bluewater Land Pa	rcel# BOR 2103 Site ID: R2.70
Date: June 12/12	Start time:	8:15 End Time: 18:45
Weather Conditions:		Field Crew: (. Boros, J. Epp
Sunny 20°		Field Notes By: J. Epp
	Site Lo	ocation
Flain field	Rd, east of	Artoneuro
Light 11		
Uaylara	UTM Co-ordinates (conti	
Easting: 434963	Northing: 47	77695 Description: [22.70 SERD]
Easting:	Northing:	Description:
Easting:	Northing:	Description:
Easting: Surrounding I	Northing: Landuse	Description: Type of Watercourse
Residentiai	eadow 🔲 etland 🗀	Intermittent
	estock	Permanent 🔎 Natural Channel 🖊
Description:		Ephemeral
Motore ded	Idvous forest	channels are seep fed
1 10		Chamas are set to
If Yes describe:	imin the of	
GPS Coordinate: Easting -	Northing	g - Description-
		r Body (rolling hills, sloping towards water body)
In a val	leg	
in-Situ Water	Quality	Ground Water and Seepage Indicators
WT (°C): 16.7 AT(°C): 20°(Watercress □ Bank Seepage □
pH: 8.03 Cond	(s/cm): 723	iron Staining None
D.O. (mg/L) 6.25 Water Clarity: Clear	Turbid 🗆	Bubbling Other Other
Oldai 50	, Juible 🗖	Details:
Water Colour USS		2000 Sounder Sounds
4		grand asset set
Notes: taken in small	peo (.	ground woder SERPS creating headwaters for woder course.
		worker course.