APPLICATION

DA Form 1 – Development application details

Approved form (version 1.1 effective 22 JUNE 2018) made under section 282 of the Planning Act 2016.

This form **must** be used to make a development application **involving code assessment or impact assessment**, except when applying for development involving building work.

For a development application involving **building work only**, use *DA Form 2 – Building work details*.

For a development application involving **building work associated with any other type of assessable development** (i.e. material change of use, operational work or reconfiguring a lot), use this form (*DA Form 1*) and parts 4 to 6 of *DA Form 2 – Building work details*.

Unless stated otherwise, all parts of this form **must** be completed in full and all required supporting information **must** accompany the development application.

One or more additional pages may be attached as a schedule to this development application if there is insufficient space on the form to include all the necessary information.

This form and any other form relevant to the development application must be used to make a development application relating to strategic port land and Brisbane core port land under the *Transport Infrastructure Act 1994*, and airport land under the *Airport Assets (Restructuring and Disposal) Act 2008*. For the purpose of assessing a development application relating to strategic port land and Brisbane core port land, any reference to a planning scheme is taken to mean a land use plan for the strategic port land, Brisbane port land use plan for Brisbane core port land, or a land use plan for airport land.

Note: All terms used in this form have the meaning given under the Planning Act 2016, the Planning Regulation 2017, or the Development Assessment Rules (DA Rules).

PART 1 - APPLICANT DETAILS

1) Applicant details	
Applicant name(s) (individual or company full name)	Herbert River Improvement Trust
Contact name (only applicable for companies)	Leigh Carr, Trust Secretary
Postal address (P.O. Box or street address)	PO Box 366
Suburb	Ingham
State	Queensland
Postcode	4850
Country	Australia
Contact number	0408771678
Email address (non-mandatory)	herbertvalleyaccountingandtax@bigpond.com
Mobile number (non-mandatory)	0408771678
Fax number (non-mandatory)	
Applicant's reference number(s) (if applicable)	Modification of the Halifax Levee

2) Owner's consent
2.1) Is written consent of the owner required for this development application?
☐ Yes – the written consent of the owner(s) is attached to this development application
X No – proceed to 3)



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PART 2 - LOCATION DETAILS

Note: F		below and a t plans.	attach a site pla		3) as applicable) premises part of the developme	nt application. For further information, see <u>DA</u>	
				lots must be liste	od or		
Stı	eet address	AND lot	on plan for	an adjoining		e premises (appropriate for development in	
	Unit No.	Street N	No. Stree	et Name and	Туре	Suburb	
,			Exist	ing Flood Mit	igation Levee	Town of Halifax	
a)	Postcode	Lot No.	Plan	Type and Nu	ımber (e.g. RP, SP)	Local Government Area(s)	
			Loca	tion drawings	s see Engineers report	Hinchinbrook	
	Unit No.	Street N	No. Stree	et Name and	Туре	Suburb	
b)	Postcode	Lot No.	Plan	Type and Nu	ımber (e.g. RP, SP)	Local Government Area(s)	
3.2) C	coordinates of annel dredging is	of premis	es (appropriat	e for developme	nt in remote areas, over part of	a lot or in water not adjoining or adjacent to land	
_				te row. Only one	set of coordinates is required t	or this part.	
☐ Co	ordinates of	premise	s by longitu	de and latitud	le		
Longi	tude(s)		Latitude(s)		Datum	Local Government Area(s) (if applicable)	
☐ WGS84							
					☐ GDA94		
					Other:		
☐ Co	ordinates of	-		and northing)		
Eastir	ng(s)	North	ning(s)	Zone Ref.	Datum	Local Government Area(s) (if applicable)	
42454	10.00E	7944	105.00N	□ 54	☐ WGS84	Hinchinbrook	
to	7.00	to	C70 00N	X 55	X GDA94 ☐ Other:		
	97.00E		670.00N	□ 56	Uther:		
	dditional pre			Oran da calana	and and the Control that		
	laitional pren Iule to this ap			tnis developr	nent application and thei	r details have been attached in a	
	t required	spiroutio.	•				
	•						
4) Ide	ntify any of t	he follow	ing that app	ly to the prer	nises and provide any rel	evant details	
				<u> </u>	in or above an aquifer		
	•		•		•	Herbert River	
	Name of water body, watercourse or aquifer: On strategic port land under the <i>Transport Infrastructure Act 1994</i> Herbert River						
	n plan descrij			-			
	of port auth		• •				
	a tidal area						
		ernment	for the tidal	area (if applica	able):	Hinchinbrook	
Name of local government for the tidal area (if applicable): Hinchinbrook Name of port authority for tidal area (if applicable):							
☐ On airport land under the Airport Assets (Restructuring and Disposal) Act 2008							
	of airport:		,,,,,,,	(<i>J</i>		

Listed on the Environmental I	Management Register (EMR) (under the <i>Environmental Prote</i>	ection Act 1994
EMR site identification:	1.D. ' (OLD) 1 11	F :	1004
Listed on the Contaminated L	and Register (CLR) under the	Environmental Protection Act	1994
CLR site identification:			
5) Are there any existing easement uses vary throughout Q how they may affect the proposed development. Yes – All easement locations application No	ueensland and are to be identified co		
PART 3 – DEVELOPME	NT DETAILS		
Section 1 – Aspects of develo	onment		
6.1) Provide details about the first			
a) What is the type of developme			
☐ Material change of use		x Operational work	☐ Building work
b) What is the approval type? (tid	ck only one box)		
x Development permit	☐ Preliminary approval	☐ Preliminary approval th a variation approval	at includes
c) What is the level of assessme	nt?		
x Code assessment	☐ Impact assessment (requ	uires public notification)	
d) Provide a brief description of tots):	the proposal (e.g. 6 unit apartment	building defined as multi-unit dwelling	g, reconfiguration of 1 lot into 3
Modify the Halifax town levee by	raising the crest 200mm to pr	rovide improved protection aga	inst Herbert R floods
e) Relevant plans Note: Relevant plans are required to be Relevant plans.			ation, see <u>DA Forms guide:</u>
x Relevant plans of the proposed	•	the development application	
6.2) Provide details about the se	·		
a) What is the type of developme			
Material change of use	Reconfiguring a lot	Operational work	☐ Building work
b) What is the approval type? (tid	<u> </u>	□ Deall's de la company al de	ar Carlo dan ar ar daren
Development permit	☐ Preliminary approval	☐ Preliminary approval th approval	at includes a variation
c) What is the level of assessme	nt?		
☐ Code assessment	☐ Impact assessment (requ	uires public notification)	
d) Provide a brief description of tots):	the proposal (e.g. 6 unit apartment	building defined as multi-unit dwelling	g, reconfiguration of 1 lot into 3
e) Relevant plans Note: Relevant plans are required to be Relevant plans.			
☐ Relevant plans of the propose	ed development are attached t	to the development applicatior	

6.3) Additional aspects of develo	pment						
Additional aspects of develop that would be required under Par	ment are						
■ Not required							
Section 2 – Further developm	nent det	ails					
7) Does the proposed developme			e any of the follow	/ing?			
Material change of use	Yes –	complete d	ivision 1 if assessa	able agains	t a local	planning instru	ıment
Reconfiguring a lot							
Operational work X Yes – complete division 3							
Building work	Yes –	complete D	PA Form 2 – Buildi	ng work det	tails		
Division 1 – Material change of the Note: This division is only required to be consocal planning instrument. 8.1) Describe the proposed mate	mpleted if a erial chan		development applicatio	on involves a n			sable against a
Provide a general description of t proposed use	the		e planning scheme definition in a new row			er of dwelling if applicable)	Gross floor area (m²) (if applicable)
0.0) D							
8.2) Does the proposed use invo	ive the us	se of existin	g buildings on the	premises?			
☐ Yes							
Division 2 – Reconfiguring a lot							
Note: This division is only required to be con				n involves red	configuring	a lot.	
9.1) What is the total number of e	existing it	ns making (up the premises?				
9.2) What is the nature of the lot	reconfigu	ration? (tick	all applicable boxes)				
Subdivision (complete 10))	3		Dividing land in	nto parts by	agreen	nent (complete 11	'))
Boundary realignment (complete	te 12))		Creating or ch				
			from a constr	uction road	(complete	e 13))	
10) Subdivision10.1) For this development, how	many lot	e are being	created and what	is the inten	ded use	of those lots:	
Intended use of lots created	Resider		Commercial	Industrial	ueu use	Other, please	snecify:
interided use of lots created	residei	ltiai	Commercial	maasman		Otrici, picasc	эрсопу.
Number of lots created							
10.2) Will the subdivision be stag	red?						
☐ Yes – provide additional detai							
How many stages will the works	include?						
What stage(s) will this developme apply to?		cation					

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11) Dividing land in parts?	to parts by a	greement – hov	w mar	ny parts are	being (created and wha	t is the	intended use of the
Intended use of par	rts created	Residential		Commercia	ıl	Industrial	Ot	her, please specify:
on acc or par				maathai			a man, product op compr	
Number of parts cre	eated							
							·	
12) Boundary realig						46		
12.1) What are the	Current and Curre		s for e	ach lot com	orising		ropose	ad lot
Lot on plan descrip				Loto	n plan descriptio		Area (m²)	
Lot on plan descrip	tion -	Alea (III)			LOI U	n plan descriptio	11	Alea (III)
12.2) What is the re	eason for the	boundarv reali	ianme	nt?				
		, , , , , , , , , , , , , , , , , , , ,	<u> </u>					
13) What are the di (attach schedule if there	mensions an	d nature of any	y exist	ting easeme	nts bei	ing changed and	or any	proposed easement?
Existing or	Width (m)	Length (m)	Purp	oose of the e	aseme	ent? (e.g.	Identi	fy the land/lot(s)
proposed?	,			strian access)				fitted by the easement
Division 3 – Operati	onal work							
lote : This division is only i	required to be co			development a	pplicatio	on involves operation	al work.	
14.1) What is the n	ature of the o	perational wor	_					
Road work		L	_	mwater				
☐ Drainage work☐ Landscaping		<u> </u>		hworks nage	Sewage infrastructureClearing vegetation			
X Other – please s	necify:	Flood mitigat		_	and co			ise the levee and
A Other picase s	occity.					to strengthen the		ise the levee and
		1						
14.2) Is the operation	onal work ned	cessary to facil	litate t	he creation	of new	lots? (e.g. subdivis	sion)	
Yes – specify no	umber of new	lots:						
X No								
14.3) What is the m	nonetary valu	e of the propos	sed op	perational wo	ork? (in	clude GST, materials	s and lab	pour)
\$455,000								
PART 4 – ASSI	ECCIVIENI.	TMANAG	ED I					
AIX1 4 – A001	LOOMLIN			DE I AILO	1			
15) Identify the ass	essment mar	nager(s) who w	/ill be	assessing th	is dev	elopment applica	ation	
Hinchinbrook Shire	Council							
16) Has the local g	overnment aç	greed to apply	a sup	erseded plar	ning s	scheme for this d	evelop	ment application?
☐ Yes – a copy of	the decision	notice is attach	ned to	this develop	ment	application		
Local government is taken to have agreed to the superseded planning scheme request – relevant documents								
attached X No								
74 140								

PART 5 – REFERRAL DETAILS

17) Do any aspects of the proposed development require referral for any referral requirements? Note: A development application will require referral if prescribed by the Planning Regulation 2017.
 □ No, there are no referral requirements relevant to any development aspects identified in this development application – proceed to Part 6
Matters requiring referral to the Chief Executive of the Planning Regulation 2017:
☐ Clearing native vegetation
Contaminated land (unexploded ordnance)
Environmentally relevant activities (ERA) (only if the ERA have not been devolved to a local government)
Fisheries – aquaculture
Fisheries – declared fish habitat area
☐ Fisheries – marine plants
☐ Fisheries – waterway barrier works
Hazardous chemical facilities
Queensland heritage place (on or near a Queensland heritage place)
☐ Infrastructure – designated premises
Infrastructure – state transport infrastructure
Infrastructure – state transport corridors and future state transport corridors
Infrastructure – state-controlled transport tunnels and future state-controlled transport tunnels
Infrastructure – near a state-controlled road intersection
On Brisbane core port land near a State transport corridor or future State transport corridor
On Brisbane core port land – ERA
On Brisbane core port land – tidal works or work in a coastal management district
On Brisbane core port land – hazardous chemical facility
☐ On Brisbane core port land – taking or interfering with water☐ On Brisbane core port land – referable dams
☐ On Brisbane core port land – relerable dams
☐ Land within Port of Brisbane's port limits
SEQ development area
☐ SEQ regional landscape and rural production area or SEQ rural living area – tourist activity or sport and
recreation activity
SEQ regional landscape and rural production area or SEQ rural living area – community activity
SEQ regional landscape and rural production area or SEQ rural living area – indoor recreation
SEQ regional landscape and rural production area or SEQ rural living area – urban activity
☐ SEQ regional landscape and rural production area or SEQ rural living area – combined use
☐ Tidal works or works in a coastal management district
Reconfiguring a lot in a coastal management district or for a canal
Erosion prone area in a coastal management district
Urban design
Water-related development – taking or interfering with water
Water-related development – removing quarry material (from a watercourse or lake)
Water-related development – referable dams
X Water-related development – construction of new levees or modification of existing levees (category 3 levees only)
Wetland protection area
Matters requiring referral to the local government:
Airport land
Environmentally relevant activities (ERA) (only if the ERA have been devolved to local government)
☐ Local heritage places

Matters requiring referral to the chief executive of the distribution entity or transmission entity: Electricity infrastructure Matters requiring referral to: The Chief executive of the holder of the licence, if not an individual The holder of the licence, if the holder of the licence is an individual Oil and gas infrastructure Matters requiring referral to the Brisbane City Council: Brisbane core port land Matters requiring referral to the Minister under the Transport Infrastructure Act 1994:
 The Chief executive of the holder of the licence, if not an individual The holder of the licence, if the holder of the licence is an individual Oil and gas infrastructure Matters requiring referral to the Brisbane City Council: Brisbane core port land Matters requiring referral to the Minister under the Transport Infrastructure Act 1994:
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 ☐ Oil and gas infrastructure Matters requiring referral to the Brisbane City Council: ☐ Brisbane core port land Matters requiring referral to the Minister under the Transport Infrastructure Act 1994:
Matters requiring referral to the Brisbane City Council: Brisbane core port land Matters requiring referral to the Minister under the Transport Infrastructure Act 1994:
Brisbane core port land Matters requiring referral to the Minister under the Transport Infrastructure Act 1994:
Matters requiring referral to the Minister under the <i>Transport Infrastructure Act 1994</i> :
<u> </u>
Brisbane core port land (inconsistent with Brisbane port LUP for transport reasons)
Strategic port land
Matters requiring referral to the relevant port operator:
Land within Port of Brisbane's port limits (below high-water mark)
Matters requiring referral to the Chief Executive of the relevant port authority:
Land within limits of another port (below high-water mark)
Matters requiring referral to the Gold Coast Waterways Authority:
☐ Tidal works, or work in a coastal management district in Gold Coast waters
Matters requiring referral to the Queensland Fire and Emergency Service:
☐ Tidal works marina (more than six vessel berths)
18) Has any referral agency provided a referral response for this development application?
☐ Yes – referral response(s) received and listed below are attached to this development application
X No
Referral requirement Referral agency Date of referral response
Identify and describe any changes made to the proposed development application that was the subject of the
referral response and the development application the subject of this form, or include details in a schedule to this
development application (if applicable).

PART 6 – INFORMATION REQUEST

19) Information request under Part 3 of the DA Rules
X I agree to receive an information request if determined necessary for this development application
□ I do not agree to accept an information request for this development application
Note: By not agreeing to accept an information request I, the applicant, acknowledge:
 that this development application will be assessed and decided based on the information provided when making this development application and the assessment manager and any referral agencies relevant to the development application are not obligated under the DA Rules to accept any additional information provided by the applicant for the development application unless agreed to by the relevant parties
Part 3 of the DA Rules will still apply if the application is an application listed under section 11.3 of the DA Rules.
Further advice about information requests is contained in the <u>DA Forms Guide</u> .

PART 7 - FURTHER DETAILS

20) Are there any associated dev	velopment applications or currer	t approvals? (e.g. a preliminary ap	proval)			
☐ Yes – provide details below o X No	r include details in a schedule to	this development application				
List of approval/development application references	Reference number	Date	Assessment manager			
☐ Approval ☐ Development application						
☐ Approval☐ Development application						
21) Has the portable long service operational work)	e leave levy been paid? (only appl	icable to development applications inv	olving building work or			
	QLeave form is attached to this					
	de evidence that the portable lo					
assessment manager decides the a development approval only if I						
X Not applicable (e.g. building ar	· ·	•	been paid			
	Date paid (dd/mm/yy)	QLeave levy number				
\$	Sate paid (dd/ffiff/yy)	QLeave levy flumber				
Ψ						
22) Is this development application notice?	on in response to a show cause	notice or required as a result of	f an enforcement			
☐ Yes – show cause or enforce	ment notice is attached					
X No						
22) From the mile midelating mean improve	n10					
23) Further legislative requireme						
Environmentally relevant activ						
23.1) Is this development application Environmentally Relevant Acti	ation also taken to be an applica vitv (ERA) under section 115 of	tion for an environmental autho the <i>Environmental Protection</i>	ority for an Act 1994?			
☐ Yes – the required attachmen						
accompanies this development a			a damonty			
X No						
Note : Application for an environmental a requires an environmental authority to op			<u>.qld.gov.au</u> . An ERA			
Proposed ERA number:		Proposed ERA threshold:				
Proposed ERA name:						
Multiple ERAs are applicable to this development application and the details have been attached in a schedule to this development application.						
Hazardous chemical facilities						
23.2) Is this development applica	ation for a hazardous chemical	facility?				
☐ Yes – Form 69: Notification o application	f a facility exceeding 10% of sch	edule 15 threshold is attached	to this development			
X No						
Note: See www.business.qld.gov.au for	further information about hazardous che	mical notifications.				
Clearing native vegetation						

23.3) Does this development application involve clearing native vegetation that requires written confirmation that the chief executive of the <i>Vegetation Management Act 1999</i> is satisfied the clearing is for a relevant purpose under section 22A of the <i>Vegetation Management Act 1999</i> ?
☐ Yes – this development application includes written confirmation from the chief executive of the <i>Vegetation Management Act 1999</i> (s22A determination) X No
Note: 1. Where a development application for operational work or material change of use requires a s22A determination and this is not included, the development application is prohibited development. 2. See https://www.qld.gov.au/environment/land/vegetation/applying for further information on how to obtain a s22A determination.
Environmental effects
Environmental offsets 23.4) Is this development application taken to be a prescribed activity that may have a significant residual impact on a prescribed environmental matter under the Environmental Offsets Act 2014?
Yes – I acknowledge that an environmental offset must be provided for any prescribed activity assessed as having a significant residual impact on a prescribed environmental matter X No
Note : The environmental offset section of the Queensland Government's website can be accessed at www.qld.gov.au for further information on environmental offsets.
Koala conservation
23.5) Does this development application involve a material change of use, reconfiguring a lot or operational work within an assessable development area under Schedule 10, Part 10 of the Planning Regulation 2017?
Yes X No Note: See guidance materials at www.des.gld.gov.au for further information.
Water resources
23.6) Does this development application involve taking or interfering with underground water through an artesian or subartesian bore, taking or interfering with water in a watercourse, lake or spring, or taking
overland flow water under the Water Act 2000?
overland flow water under the <i>Water Act 2000</i> ? Yes – the relevant template is completed and attached to this development application and I acknowledge that a relevant authorisation or licence under the <i>Water Act 2000</i> may be required prior to commencing development
overland flow water under the Water Act 2000? ☐ Yes – the relevant template is completed and attached to this development application and I acknowledge that a relevant authorisation or licence under the Water Act 2000 may be required prior to commencing development X No
overland flow water under the Water Act 2000? Yes – the relevant template is completed and attached to this development application and I acknowledge that a relevant authorisation or licence under the Water Act 2000 may be required prior to commencing development X No Note: Contact the Department of Natural Resources, Mines and Energy at www.dnrme.qld.gov.au for further information.
overland flow water under the Water Act 2000? ☐ Yes – the relevant template is completed and attached to this development application and I acknowledge that a relevant authorisation or licence under the Water Act 2000 may be required prior to commencing development X No
overland flow water under the Water Act 2000? Yes – the relevant template is completed and attached to this development application and I acknowledge that a relevant authorisation or licence under the Water Act 2000 may be required prior to commencing development X No Note: Contact the Department of Natural Resources, Mines and Energy at www.dnrme.qld.gov.au for further information. DA templates are available from https://planning.dsdmip.qld.gov.au . If the development application involves: Taking or interfering with underground water through an artesian or subartesian bore: complete DA Form 1 Template 1 Taking or interfering with water in a watercourse, lake or spring: complete DA Form1 Template 2
overland flow water under the Water Act 2000? Yes – the relevant template is completed and attached to this development application and I acknowledge that a relevant authorisation or licence under the Water Act 2000 may be required prior to commencing development X No Note: Contact the Department of Natural Resources, Mines and Energy at https://planning.dsdmip.qld.gov.au/ . If the development application involves: Taking or interfering with underground water through an artesian or subartesian bore: complete DA Form 1 Template 1 Taking overland flow water: complete DA Form 1 Template 3.
overland flow water under the Water Act 2000? Yes – the relevant template is completed and attached to this development application and I acknowledge that a relevant authorisation or licence under the Water Act 2000 may be required prior to commencing development X No Note: Contact the Department of Natural Resources, Mines and Energy at www.dnrme.qld.gov.au for further information. DA templates are available from https://planning.dsdmip.qld.gov.au . If the development application involves: Taking or interfering with underground water through an artesian or subartesian bore: complete DA Form 1 Template 1 Taking or interfering with water in a watercourse, lake or spring: complete DA Form1 Template 2
overland flow water under the <i>Water Act 2000</i> ? ☐ Yes – the relevant template is completed and attached to this development application and I acknowledge that a relevant authorisation or licence under the <i>Water Act 2000</i> may be required prior to commencing development X No **No Note: Contact the Department of Natural Resources, Mines and Energy at www.dnrme.qld.gov.au for further information. **DA templates are available from https://planning.dsdmip.qld.gov.au/ . If the development application involves: • Taking or interfering with underground water through an artesian or subartesian bore: complete DA Form 1 Template 1 • Taking or interfering with water in a watercourse, lake or spring: complete DA Form1 Template 2 • Taking overland flow water: complete DA Form 1 Template 3. **Waterway barrier works** 23.7) Does this application involve waterway barrier works? ☐ Yes – the relevant template is completed and attached to this development application
overland flow water under the Water Act 2000? Yes – the relevant template is completed and attached to this development application and I acknowledge that a relevant authorisation or licence under the Water Act 2000 may be required prior to commencing development X No Note: Contact the Department of Natural Resources, Mines and Energy at www.dnrme.qld.gov.au for further information. DA templates are available from https://planning.dsdmip.qld.gov.au/ . If the development application involves: Taking or interfering with underground water through an artesian or subartesian bore: complete DA Form 1 Template 1 Taking or interfering with water in a watercourse, lake or spring: complete DA Form1 Template 2 Taking overland flow water: complete DA Form 1 Template 3. Waterway barrier works 23.7) Does this application involve waterway barrier works?
overland flow water under the Water Act 2000? ☐ Yes — the relevant template is completed and attached to this development application and I acknowledge that a relevant authorisation or licence under the Water Act 2000 may be required prior to commencing development X No Note: Contact the Department of Natural Resources, Mines and Energy at www.dnrme.qld.gov.au for further information. DA templates are available from https://planning.dsdmip.qld.gov.au/. If the development application involves: • Taking or interfering with underground water through an artesian or subartesian bore: complete DA Form 1 Template 1 • Taking or interfering with water in a watercourse, lake or spring: complete DA Form1 Template 2 • Taking overland flow water: complete DA Form 1 Template 3. Waterway barrier works 23.7) Does this application involve waterway barrier works? ☐ Yes — the relevant template is completed and attached to this development application involving waterway barrier works, complete
overland flow water under the Water Act 2000? ☐ Yes — the relevant template is completed and attached to this development application and I acknowledge that a relevant authorisation or licence under the Water Act 2000 may be required prior to commencing development X No Note: Contact the Department of Natural Resources, Mines and Energy at www.dnrme.qld.gov.au for further information. DA templates are available from https://planning.dsdmip.qld.gov.au/ . If the development application involves: • Taking or interfering with underground water through an artesian or subartesian bore: complete DA Form 1 Template 1 • Taking or interfering with water in a watercourse, lake or spring: complete DA Form1 Template 2 • Taking overland flow water: complete DA Form 1 Template 3. Waterway barrier works 23.7) Does this application involve waterway barrier works? ☐ Yes — the relevant template is completed and attached to this development application X No DA templates are available from https://planning.dsdmip.qld.gov.au/ . For a development application involving waterway barrier works, complete DA Form 1 Template 4.
overland flow water under the Water Act 2000? Yes – the relevant template is completed and attached to this development application and I acknowledge that a relevant authorisation or licence under the Water Act 2000 may be required prior to commencing development X No Note: Contact the Department of Natural Resources, Mines and Energy at www.dnrme.qld.gov.au for further information. DA templates are available from https://planning.dsc/mip.qld.gov.au . If the development application involves: Taking or interfering with underground water through an artesian or subartesian bore: complete DA Form 1 Template 1 Taking or interfering with water in a watercourse, lake or spring: complete DA Form1 Template 2 Taking overland flow water: complete DA Form 1 Template 3. Waterway barrier works 23.7) Does this application involve waterway barrier works? Yes – the relevant template is completed and attached to this development application X No DA templates are available from https://planning.dsc/mip.qld.gov.au/ . For a development application involving waterway barrier works, complete DA Form 1 Template 4. Marine activities 23.8) Does this development application involve aquaculture, works within a declared fish habitat area or removal, disturbance or destruction of marine plants? Yes – an associated resource allocation authority is attached to this development application, if required under the Fisheries Act 1994
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☐ Yes – I acknowledge that a quarry material allocation notice must I X No	be obtained prior to commend	cing development
Note : Contact the Department of Natural Resources, Mines and Energy at <a href="https://www.dnrme.new.new.new.new.new.new.new.new.new.ne</td><td>e.qld.gov.au and <u>www.business.qld.g</u></td><th>ov.au for further</th></tr><tr><td>Quarry materials from land under tidal waters</td><td></td><th></th></tr><tr><td>23.10) Does this development application involve the removal of qua under the <i>Coastal Protection and Management Act 1995?</i></td><td>arry materials from land und</td><th>der tidal water</th></tr><tr><td>Yes – I acknowledge that a quarry material allocation notice must I X No</td><td>be obtained prior to commend</td><th>cing development</th></tr><tr><td>Note: Contact the Department of Environment and Science at www.des.qld.gov.au for a</td><td>further information.</td><th></th></tr><tr><td>Referable dams</td><td></td><th></th></tr><tr><td>23.11) Does this development application involve a referable dam resection 343 of the <i>Water Supply (Safety and Reliability) Act 2008</i> (the</td><td></td><th>sessed under</th></tr><tr><td>Yes – the 'Notice Accepting a Failure Impact Assessment' from the Supply Act is attached to this development application X No</td><td>e chief executive administerin</td><th>g the Water</th></tr><tr><td>Note: See guidance materials at www.dnrme.qld.gov.au for further information.		
<u>Tidal work or development within a coastal management district</u>		
23.12) Does this development application involve tidal work or devel	lopment in a coastal manag	jement district?
X Yes – the following is included with this development application: X Evidence the proposal meets the code for assessable develop application involves prescribed tidal work) A certificate of title	pment that is prescribed tidal	WOTK (only required if
No Note: See guidance materials at www.des.qld.gov.au for further information.		
Queensland and local heritage places		
23.13) Does this development application propose development on or	r adjaining a place entered in	the Queencland
heritage register or on a place entered in a local government's Loca		ille Queelisialiu
Yes – details of the heritage place are provided in the table below X No		
Note: See guidance materials at www.des.qld.gov.au for information requirements regard	narding development of Queensland h	neritage places.
Name of the heritage place:	ice ID:	
<u>Brothels</u>		
23.14) Does this development application involve a material change	of use for a brothel?	
Yes – this development application demonstrates how the proposa		ppment
application for a brothel under Schedule 3 of the <i>Prostitution Regulation</i> X No	ion 2014	
Decision under section 62 of the <i>Transport Infrastructure Act</i> 199	001	
		42
23.15) Does this development application involve new or changed according Yes - this application will be taken to be an application for a decision		
Infrastructure Act 1994 (subject to the conditions in section 75 of the satisfied)		
X No		

PART 8 - CHECKLIST AND APPLICANT DECLARATION

24) Development application checklist		
I have identified the assessment manager in question 15 a requirement(s) in question 17 Note: See the Planning Regulation 2017 for referral requirements	and all relevant referral	X Yes
If building work is associated with the proposed development Building work details have been completed and attached to		☐ Yes
Supporting information addressing any applicable assessr		X Not applicable
development application Note: This is a mandatory requirement and includes any relevant templa and any technical reports required by the relevant categorising instrumer schemes, State Planning Policy, State Development Assessment Provisi Forms Guide: Planning Report Template.	nts (e.g. local government planning	X Yes
Relevant plans of the development are attached to this de	velopment application	
Note : Relevant plans are required to be submitted for all aspects of this information, see <u>DA Forms Guide</u> : Relevant plans.		X Yes
The portable long service leave levy for QLeave has been development permit is issued (see 21))	paid, or will be paid before a	☐ Yes X Not applicable
25) Applicant declaration		
X By making this development application, I declare that a correct	Il information in this development	application is true and
X Where an email address is provided in Part 1 of this form	n. I consent to receive future elect	tronic communications
from the assessment manager and any referral agency for		
required or permitted pursuant to sections 11 and 12 of the		1
Note: It is unlawful to intentionally provide false or misleading information		
Privacy – Personal information collected in this form will be assessment manager, any relevant referral agency and/or which may be engaged by those entities) while processing All information relating to this development application made published on the assessment manager's and/or referral agency Personal information will not be disclosed for a purpose unand the DA Rules except where:	building certifier (including any property, assessing and deciding the developed by be available for inspection and property's website.	ofessional advisers elopment application. ourchase, and/or
 such disclosure is in accordance with the provisions al Act 2016 and the Planning Regulation 2017, and the ac Regulation 2017; or 		
required by other legislation (including the Right to Info	rmation Act 2009); or	
otherwise required by law.		
This information may be stored in relevant databases. The <i>Public Records Act 2002.</i>	information collected will be retai	ned as required by the
PART 9 – FOR OFFICE USE ONLY		
Date received: Reference numb	er(s):	
Notification of engagement of alternative assessment man	ager	
Prescribed assessment manager		
Name of chosen assessment manager		
Date chosen assessment manager engaged		
Contact number of chosen assessment manager		

Relevant licence number(s) of chosen assessment manager	
QLeave notification and payment Note: For completion by assessment manager if applicable	
Description of the work	
QLeave project number	
Amount paid (\$)	
Date paid	
Date receipted form sighted by assessment manager	
Name of officer who sighted the form	

J T Smith and Associates Pty Ltd Consulting Engineers PO Box 1027 MALANDA, Q 4885

Telephone 0418725585 timsmithco@bigpond.com Contact: Tim Smith

18 November 2019

PROPOSED MODIFICATION OF THE HALIFAX LEVEE

Works required to regain the design flood immunity for the Town of Halifax

Background

The town levee was approved and funded as a Commonwealth, State, Local Government project under the Regional Flood Mitigation Project in 2004. The design was them finalised and levee was constructed by the Herbert River Improvement Trust in 2006. Responsibility for the ongoing operation of the levee to protect the people, businesses and infrastructure in the town of Halifax rests with the Herbert River Improvement Trust.

Since the levee was built, the town has not been flooded or suffered flood damage from floods in the Herbert River in 2009, 2011, 2014 and 2018. However, these floods have been lesser events than the 1% AEP flood event (1 in 100 flood event), the design criteria used to set the crest level of the levee in 2006. These floods have been assessed to be in the order of 5% to 10% Annual Exceedance Probability (AEP) events.

Therefore, the decision has been taken to raise the crest of the levee 200mm. Length of the levee is 2,200m. In this location raising the crest of the levee 200mm will restore it's design functionality and greatly improve the resilience the Halifax community needs in times of Herbert River flooding.

The work proposed on the sections of earth levee will also see the width of the crest increased to 1.2m to further strengthen the levee.

General Arrangement of the proposed works is attached as Attachment 1.

State Guidelines for the Construction and Modification of Category 2 and 3 Levees

The Guidelines identify the off property impacts that need to be addressed are

- that any off-property impacts are minimised and acceptable
- that the levee is a safe and stable structure
- that community safety is ensured in the event a Category 3 levee fails or overtops

The following table sets out the categories for assessment – category depends on level of impact. The Halifax Levee is a Category 3 levee.

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No off-property		
impact	Accepted development	Applicant
Off-property impact and affected population is less than 3	Assessable development - code	Local government
Off-property impact and affected	Assessable development	Local government with Queensland Government as
	and affected population is less than 3 Off-property impact	and affected development population is less than 3 Off-property impact and affected development population is - impact

Therefore the modification or raising of the Halifax Levee is assessable development.

The proposal will need to go through the development application process with Hinchinbrook Shire Council as the Assessment Manager. The State Assessment and Referral Agency (SARA) will assess the application through the Department of State Development, Manufacturing, Infrastructure and Planning and decide what concurrence or advisory agency input is required in this case of modification of an existing structure.

Approval Process in 2006

Hinchinbrook Shire Council advice is that in 2006 the State Government (the then Department of Natural Resources) and the Trust were exempt from any development approval process similar to we have today under the planning acts. The Department of Natural Resources was closely involved with the implementation of projects approved under the Commonwealth's Regional Flood Mitigation Program including the Halifax Levee. The Trust implemented the project and took responsibility for the operation and maintenance of the levee. The situation as far as approval of levees was concerned did not change until 2014.

Risk Assessment and Funding

The State Government's Queensland State Natural Hazard Risk Assessment 2017 defines level of risk a that determined through an assessment of the severity of exposure, vulnerability, the coping capabilities and capacities of the communities involved in the overall potential consequences. It goes on to describe the consequences as increased hardship due to financial pressures and short to long term displacement, and the impacts upon the emotional capacity of individuals (mental health and domestic cohesion).

This project was been assessed on that basis and funding was approved by the Queensland Reconstruction Authority (QRA) under the 2018/19 State Grants and Subsidies Program (80% QRA and 20% Herbert River Improvement Trust funding). A development approval is now sought for the project. Assessment Manager for the project will be the Hinchinbrook Shire Council

Project Plan

The project plan approved by QRA is attached as Attachment 2. Current activity is completing the flood impact assessment (hydraulic modelling) to understand any changes that might be caused by raising the levee in conjunction with other changes in the vicinity of Halifax and Cordelia that have happened since the levee was constructed in 2006, and the community consultation to secure ownership of the project by the community inside and outside the levee.

Flood Impact Assessment Report

The Halifax Levee Upgrade Flood Impact Assessment has been completed by Venant Solutions of Melbourne. In 2015, Venant Solutions and BMT WBM jointly prepared an updated flood model for the Hinchinbrook Shire Council, the outcomes of which were adopted in the Council's Planning Scheme. The model assessed both existing and future climate conditions. The future climate model allowed for climate change, induced sea level rise and increased rainfall activity.

For the purposes of the flood impact assessment needed for the proposal to modify the Halifax Levee, ie raise it by 200mm with the overflow spillway levels staying the same, the existing climate model was used as it was more relevant to understanding the effects of the proposal.

The Trust commissioned 2019 ground level survey. This survey provided updated level information for the river following the extensive bed reprofiling works carried out on the Castorina Island adjacent to Cordelia and on the four sand islands in the river below Halifax. The survey also picked up level information on the "private Levees" that had been constructed by the landowner between Skene and Musgrave Streets 10 years ago without the approval of the Trust.

Outcome of the modelling:

- The Flood Impact Assessment report completed by Venant Solutions confirmed that with flood events up to the 5% AEP (1 in 20 year ARI flood event), raising the levee has no impact on flood levels upstream, downstream and opposite the levee
- The minor increase of 10 to 40mm that shows up in Figures 3-16 and 3.17 of the modelling report with flood levels expected for the 1% AEP and 2% AEP flood events is in a localised area upstream area opposite the Halifax Washaway (immediately upstream and on the opposite side of the river from the southern end levee). The model interpretation is that this results from the restriction of bank overflows caused by the two Mahony levees.

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The report also acknowledges that the extensive bed reprofiling work and stream clearing on the Castorina Island (area 28ha) and the four sand islands below Halifax (total area 40ha) has resulted in more flood water being kept in the river and this has reduced flood levels over a wide area including Halifax, Cordelia and the area south of Four Mile Road. This work will complement the improved protection raising the levee will provide and further increase the Halifax community's resilience to the impacts of major floods in Herbert River.

Timing of the Works

The project plan sets out the proposed timing of the activities required to raise the crest of the levee 200mm.

State Interests

Code 19. Category 3 Levees

The proposed raising of the existing levee by 200mm will upgrade the system of flood mitigation protection for the Town of Halifax and improve the Halifax community's resilience to the impacts of major floods in Herbert River. The levee is regarded as essential infrastructure.

Detailed comment on the relevant Performance Outcomes (PO) are as follows.

PO 1. People and properties impacted by the Category 3 levee have been made aware of the benefits and impacts created by the development. The Flood Impact Assessment completed for the project by Venant Solutions confirmed that the proposed raising the levee with the benefits for the town of Halifax it will bring will have no adverse impacts for people and properties.

PO 2. The Hinchinbrook Shire emergency action plan in the Local Government's Local Disaster Management Plan is presently adequate to address an event of overtopping or failure of the levee. It will not need to be updated.

Code 11. Removal, Destruction or Damage to Marine Plants

There will be no removal or destruction of marine plants.

Code 8. Coastal Development and Tidal Works

The proposed raising of the existing levee by 200mm will upgrade the system of flood mitigation protection for the Town of Halifax and improve the level of resilience the Halifax community needs in times of major Herbert River flooding. The levee is regarded as essential community infrastructure. The levee was constructed in 2006. It is positioned on the top of the riverbank, out of the river, behind the business, residences and public infrastructure that services the town. The proposed work to raise the levee will be in the same location. The levee

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Document Set ID: 2330261 Version: 1, Version Date: 13/03/2020 cannot be relocated or abandoned. It was a approved and funded as a Commonwealth, State, Local Government Regional Flood Mitigation Project in 2004.

Detailed comment on the relevant Performance Outcomes (PO) are as follows.

- PO 1. The outcome of the proposed works will be the upgrading of *an existing permanent building or structure that cannot be relocated or abandoned.* The proposal is to raise the level of the existing levee while maintaining the same spillway levels. The spillways outfall to the sealed road formations and discharge flood water safely through to the area below the town. The spillways are capable of conveying the increased discharges from higher flood levels.
- PO 2. The outcome of the proposed works will be *avoids impacting on coastal processes*. There will be no impact. The levee is on top of the riverbank, well above HAT, not within the bed and banks of the river, and about 10km from the coast.
- PO 3. The outcome will be that the proposed works will be *located, designed and constructed to minimise the impacts from coastal erosion*. There will be no impact.
- PO 4. The outcome will be that the proposed works will *not significantly increase the risk or impacts to people and property from coastal erosion.* There will be no impact.
- PO 5. The outcome will be avoids directly or indirectly increasing the severity of coastal erosion either on or off the site. There will be no impact.
- PO 20. The outcome will be that *material disposed to tidal water is minimised*. There will be no material deposited in tidal water.
- PO 23. The outcome is that the standard of design is such that the works will withstand flood events. The levee, modified by raising it by 200mm, is designed and certified as such in relation to withstanding extreme flood events.

Design Details

The 2,200m long levee has earth sections and concrete blockwork sections – total length of the earth sections 1,550m, the concrete block sections 650m

Drawing No 1422 – CO1 Amdt A is attached. It shows typical crossections of the earth and concrete block sections with the levee raised 200mm. The drawing also includes specifications for the proposed works.

- Clearing and grubbing
- Removing trees and shrubs
- Removing stumps and roots
- Stripping and stockpiling topsoil
- Disposal of cleared materials
- Excavation
- Levee construction placing and compaction of additional fill
- Topsoiling and grassing

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- Block core fill concrete

- Reinforcement

- Construction joints

- Hold down bolts and embedments

Work Method

Earth levee sections: The existing levee will be stripped of topsoil and grass to allow additional earth fill to be placed and compacted to form the raised crossection. Any vegetation (saplings, weeds, etc) that has become established on the levee will be removed. Topsoil with grass will be replaced to re-establish the stable surface of the levee and prevent rutting under rainfall conditions.

Concrete block sections: A 200mm layer of concrete block will be added to the levee with reinforcement embedded in the existing block wall.

Factors of safety incorporated in the original design of the levee satisfy the need to ensure community safety in the event the levee fails or overtops.

Approvals Required

The modification or raising of the Halifax Levee falls into Levee Category 3 – assessable development.

The proposed modification of the levee will need to go through the development application process with Hinchinbrook Shire Council as the Assessment Manager.

Certification

The design drawing - Drawing No 1422 – CO1 Amdt A included with this report has certification by J T Smith, Registered Professional Engineer of Queensland No 2668.

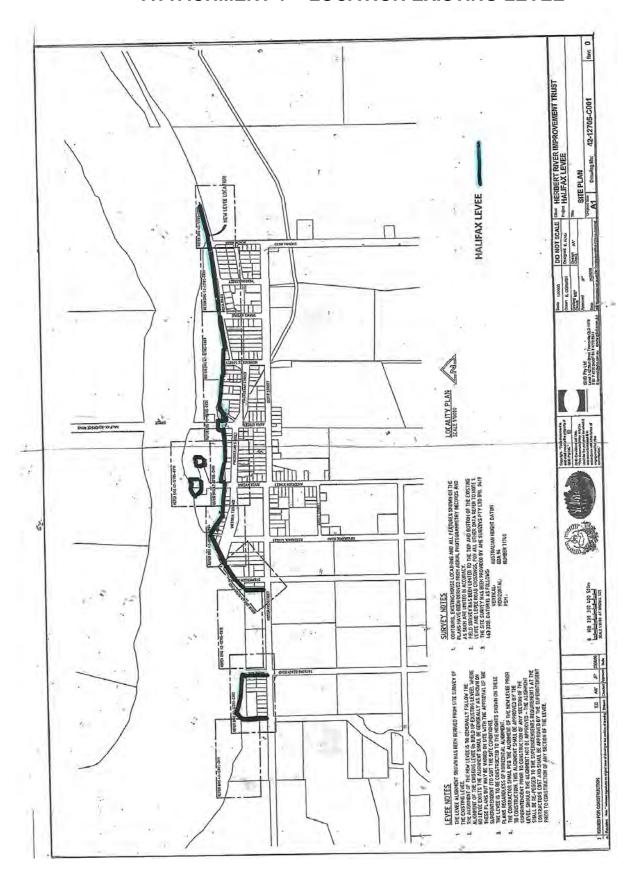
J T Smith

RPEQ No 2668

Limbund

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ATTACHMENT 1 - LOCATION EXISTING LEVEE



ATTACHMENT 2

HERBERT RIVER IMPROVEMENT TRUST MODIFICATION OF THE HALIFAX FLOOD MITIGATION LEVEE PROJECT UPDATED PROJECT PLAN (NOVEMBER 2019)

Item	Description	Time to Complete
1	Flood modelling to assess impacts on	July 2019 to December 2019
	flood levels upstream and downstream of the Halifax levee with capping of the	Flood modelling: 6 weeks Trust review / community
	levee by 200mm	consultation /adjustments to
	(BTM WBM model)	model
2	Final design, SPA development approval	January 2019 to March 2019
	(DA), survey control and preparation of	Note: This stage may take much
	tender documents	less time if DA assessed by
	Individual consultation with 40 properties	SARA as redevelopment of an
	regarding entry and construction program	existing levee (State
	Final design and setting out	Development Assessment
	(DA may take time as Tidal Works)	Provisions State Code 8 Tidal
		Works). May be able to call
		tenders and let contract earlier
		Nov/Dec 2019
3	Call tenders for the work	April, 2020
	Assess tenders	
	Let contract for the work	
4	Possession of site (after Wet Season)	1/5/2020
5	Construction	1/5/2020 to 31/8/2020
6	Complete construction	31/8/2020
7	Acquit project funding with QRA	ASAP September 2020

PROJECT BUDGET

Date	Item completed	Item	Expenditure to
Completed		Expenditure	Date
31/12/2019	1.Flood modelling	\$50,000	\$50,000
	Consultation/model adjustments		
31/3/2020	2. Final design, SPA development	\$20,000	\$70,000
	approval. Consultation on access and		
	timing of construction		
30/4/2020	3.Call and assess tenders	\$5,000	\$75,000
31/8/2020	4, 5, 6 Construction	\$413,475	\$488,475
	Progressive expenditure		
	End May	\$100,000	
	End June	\$150,000	
	End July	\$163,475	
30/9/2020	7. Acquit project	0	\$488,475
30/9/2020	FINAL COST		\$488,475

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ATTACHMENT 3 SITE PHOTOGRAPHS, EXISTING LEVEE



Halifax Levee. Concrete block section in the residential area

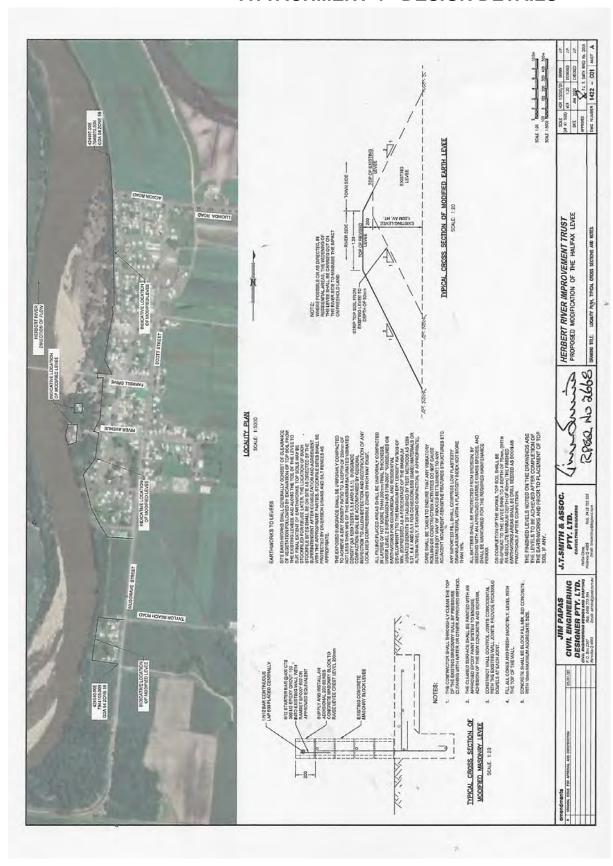


Halifax Levee. Earth section in the business area. Floodgate to clear local drainage



Halifax Levee. Earth section in the residential area

ATTACHMENT 4 - DESIGN DETAILS



Levee Sections Modification proposed

Chainage	Type of Levee	Proposed adjustment	Quantities
Section 1 Alice			
St/Skene Av			
section			
00m – 363m	<mark>Earth</mark>	Cap the crest	363m length
Section 2			
Musgrave			
St/Victoria			
Tce/Macrossan			
St/Mona Rd			
section			
00m – 108m	Concrete block	Add 1 block	108m length
<mark>108m – 700m</mark>	<mark>Earth</mark>	Cap the crest	592m length
700m – 1,027m	<mark>Earth</mark>	Cap the crest	327m length
<mark>1,049m- 1,296m</mark>	Earth Earth	Cap the crest	247m length
<mark>1,296m-1,558m</mark>	Concrete block	Add 1 block	262m length
<mark>1,558m- 1,590m</mark>	Earth	Cap the crest	32m length
1,590m-1,687m	Concrete Block	Add 1 block	97m length
1,687m-1,814m	Earth	Cap the crest	127m length
1,814m- 2,000m	Concrete Block	Add 1 block	186m length
2,000m-2,200m	Earth	Cap the crest	200m length
Spillways	Rock Rip-Rap	None	-
River Avenue	Road formation	Raised road	10m
Roadworks		formation to	
		level, bitumen	
		surfaced	
15, 17, 18 River	Block and earth	Block or earth to	50m block No15
<mark>Avenue</mark>	sections	match existing	/ 360m Nos 15,
		<mark>levees. Regrade</mark>	17 & 18 earth
		accesses to suit	including 3 x 5m
			accesses
Bemerside Rd	Levee to merge	None	7m
Crossing	at level		

Property Descriptions, properties adjacent to or impacted by the existing levee constructed in 2006

Section 1 Alice St/Skene Av section	Allice and Skene Street roads areas.
	Refer GHD Drawing C-002
Section 2 Musgrave St/Victoria St	40 Musgrave St
	Stephensen Av Road area
	10-12 Stephen Av
	29 Victoria Tce
	Refer GHD Drawing C-003
Victoria Tce section	Victoria Tce road area
	4, 6, 8, 10, 12,14,16,18, 20 Victoria Tce
	River Av road area

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	Refer GHD Drawings C-004 and 5
Macrossan St Section (southern end)	1-9, 11-13, 15, 17-23, 25-27, 29,31-33 , 37
	Macrossan St
	Halifax-Bemerside Rd area
	Refer GHD Drawings C-005 and C-006
Echidna St section	6-8 Echdna St
	Refer GHD Drawing C-006
Rupp St section	7, 8-10 Rupp St
	Rupp St road area
	Refer GHD Drawing C-006
Macrossan St Section (northern end)	59, 61 Macrossan St
	Hoffensetz St road area
	Refer GHD Drawing C-007
Mona Road section	1,3,9,13, 17, 19, Shaw St, 23, 25, 27, 20,
	31, 33, 35, 37, 39, 41, 43, 45 Mona Road
	Mona Road area
	Refer GHD Drawings C-007, C-008, C-009
River Avenue	15, 17, 18 River Avenue
	Refer GHD Drawing C-010

With the widening of the footprint to allow raising of the earth sections to be on the river side of the existing levee, the proposed earthworks or blockwork sections will not further impact on the developed areas of the properties adjacent to the levees.

On those properties where the existing levee does encroach on the freehold land, areas outside the levee are not developed eg 10-12 Stephen Av, 8-10 Victoria Tce, 17-23 Macrossan St, 6-8 Echdna St and the properties along Mona Road.

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Halifax Levee Upgrade Flood Impact Assessment Report

Reference: R.M00241.001.01

Date: 3 December 2019

Document Set ID: 2340740 Version: 1, Version Date: 19/05/2020

Document Control Sheet

Client	Herbert River Improvement Trust				
Client Contact	Tim Smith				
Project Manager	Mark Jemps	on			
Report Name	Halifax Leve	Halifax Levee Upgrade, Flood Impact Assessment, Report			
Report Reference	R.M00241.0	R.M00241.001.01			
Authors	Mark Jemps	Mark Jempson – Venant Solutions			
Issued to	Version Nun	Version Number			
	0	1	2	3	4
HRIT	8/10/2019	03/12/2019			

	Name	Signature	Version Number	Date
Joint Author	Richard Gale	Richard 1.B. Lucle		03/12/2019
Joint Author	Mark Jempson	m Japan	1	03/12/2019

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Document Set ID: 2340740 Version: 1, Version Date: 19/05/2020 Executive Summary

Executive Summary

The Halifax levee was constructed in 2006 to protect the community from Herbert River flooding. The levee was designed and constructed to provided 1 in 100 (1%) AEP (annual exceedance probability) immunity at the spillways with the main wall being about 200 mm higher than the spillways. It was on that basis that the levee was approved and funded as a Commonwealth/State/Herbert River Improvement Trust (HRIT) project.

Floods of 2009, 2011, 2014 and 2018 have resulted in minor spilling through the spillways. However none of these floods have been greater than a 1 in 15 (~6%) AEP at the Ingham Pump Station gauge indicating that the levee is too low. In 2013 the joint author of this report (Mark Jempson) prepared a report *Herbert River Levee Modelling Study* (BMT, 2013) for the HRIT which investigated the apparent relative increase in flood levels in the lower reaches of the Herbert River compared with levels further upstream at Ingham. The report found that the 2009 and 2011 flood levels at the Halifax gauge were higher than the 1% AEP flood level adopted in the Herbert River Flood Study (WBM, 2003). The design of the levee was based on the flood modelling and levees from the 2003 study.

An analysis of historical flood levels (gauge and surveyed flood marks) at Halifax, Cordelia and Ingham confirmed the belief that there was an upward trend in flood levels at Cordelia and Halifax. This indicated that the changes at Cordelia and Halifax were a result of changed in the hydraulic characteristics of the river system downstream of Ingham rather than natural variability. The report found that the most likely cause of the increase in levels was the uncontrolled construction of levees and to a lesser degree sediment accumulation on sand islands and sand bars and associated vegetation growth. The influence of the sand islands was found to be complex because they impacted upstream and downstream levels differently.

The issue of long-term management of levees along the system is still unresolved and, as an example, in recent years a private levee was constructed in the overflow area between Skene St and Musgrave St. The HRIT has in recent years undertaken some sand island reprofiling and associated vegetation removal in an attempt to improve the flow of water in the river during flood events.

In the event of a larger flood than those in recent years, or the construction of levees along the river continues, it is inevitable that the main wall of the Halifax Levee will be overtopped resulting in significant flooding in Halifax and possible the failure of the wall along sections where it is an earth wall. Therefore the HRIT is investigating raising of the Halifax Levee main wall. It is not proposed to raise the spillways.

The HRIT commissioned Venant Solutions to investigate the following four issues:

- 1. the potential impact on flood levels of the proposed raising of the Halifax Levee wall;
- the effects of the historical sand island reprofiling and vegetation removal on flood levels the five sand islands included Castorina Island and four islands downstream of the Halifax bridge
- 3. the effects of the construction of the private levee between Skene Street and Musgrave Street on flood levels:
- 4. the potential for a floodway channel running east from the area of the Washaway to reduce flood levels in the Halifax area.



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Executive Summary ii

In 2015 Venant Solutions and BMT WBM jointly prepared an updated calibrated two-dimension TUFLOW hydraulic flood model for Hinchinbrook Shire Council (Council), the outcomes of which were adopted in the Council's Planning Scheme. The model is considered best practice in flood modelling. The extent of the model is shonw in Figure ES-1. The upstream extent of the 2D model is at the Abergowrie Bridge and the downstream extent is approximately 5.5 km downstream of the Halifax bridge. To the north the model extends to the edge of the floodplain at the foothills of the Cardwell Ranges, and to the south it extends to about 3 km south of Helens Hill. This model was adopted for this assessment.

Each of the four issues was assessed individually and issues 1 to 3 were tested in a variety of combinations using the 20%, 10%, 5%, 2% and 1% AEP flood events. The combined effect of the HRIT's sand island works and their proposed raising of the Halifax Levee are shown in Figure ES-2 (5% AEP) and Figure ES-3 (1% AEP). These figures show the combined effect of raising the Halifax levee and the sand island works results in widespread reductions in flood level, typically in the 10 mm to 100 mm range in the 1 in 100 AEP event. A similar pattern of reductions was observed in the more frequent (smaller) events, although the reductions are larger in the more frequent events. In some areas of Cordelia there are reductions of more than 100 mm. The changes in flood level shown in these figures are predominantly a result of the sand island works. The individual effect of the sand island works and the raised Halifax Levee are provided in the body of this report.

The private levee between Skene St and Musgrave St was found to significantly increase flood levels over a wide area, including in Halifax. The floodway channel running east from the Washaway did not provide a significant benefit in reduction of flood levels. The results from these model assessment are provided in the main body of the report.



Executive Summary iii

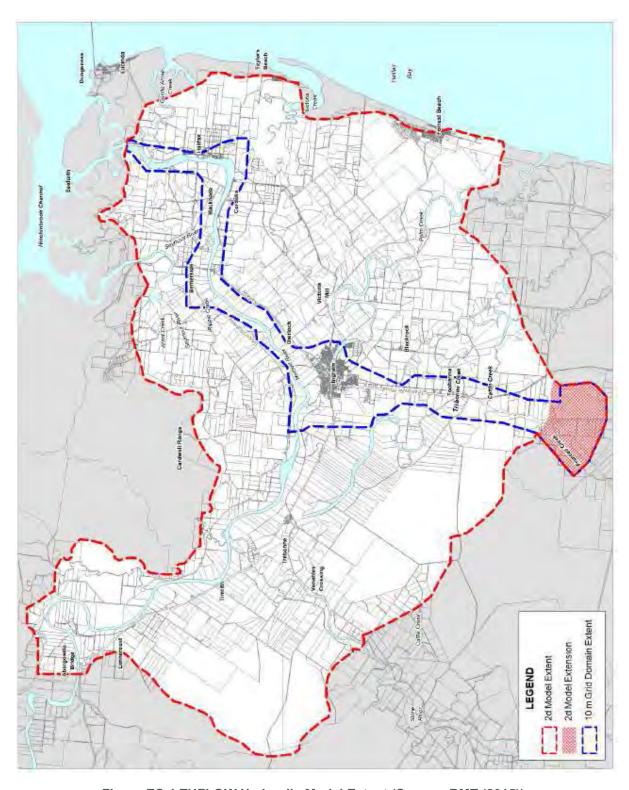
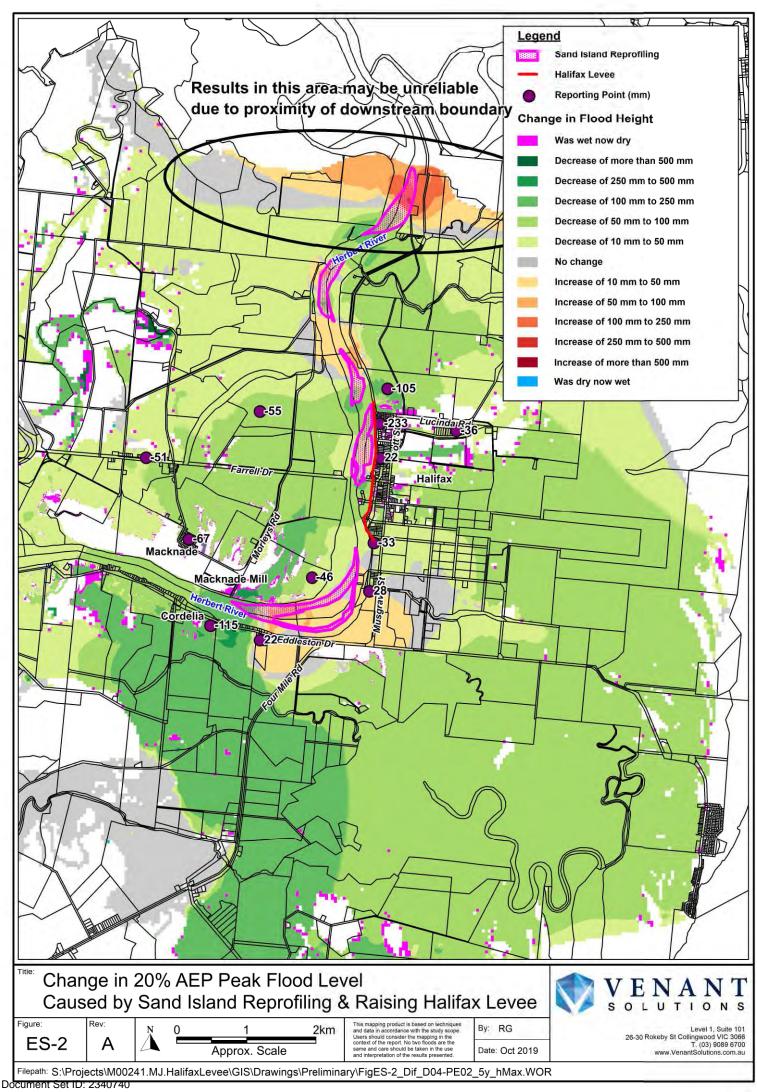
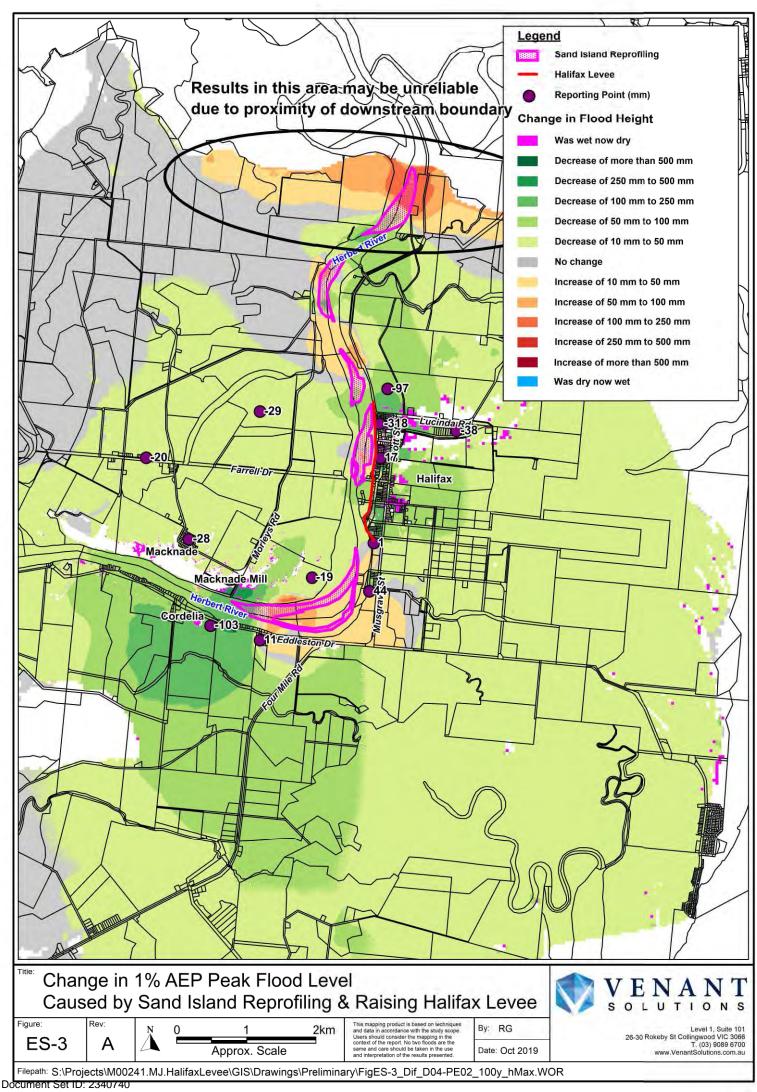


Figure ES-1 TUFLOW Hydraulic Model Extent (Source: BMT (2015))





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Introduction 1-1

1 Introduction

The Halifax levee was constructed in 2006 to protect the community from Herbert River flooding. The levee was designed and constructed to provided 1 in 100 (1%) AEP (annual exceedance probability) immunity at the spillways with the main wall being about 200 mm higher than the spillways. It was on that basis that the levee was approved and funded as a Commonwealth/State/Herbert River Improvement Trust (HRIT) project.

Floods of 2009, 2011, 2014 and 2018 have resulted in minor spilling through the spillways. However none of these floods have been greater than a 1 in 15 (~6%) AEP at the Ingham Pump Station gauge indicating that the levee is too low. In 2013 the joint author of this report (Mark Jempson) prepared a report *Herbert River Levee Modelling Study* (BMT, 2013) for the HRIT which investigated the apparent relative increase in flood levels in the lower reaches of the Herbert River compared with levels further upstream at Ingham. The report found that the 2009 and 2011 flood levels at the Halifax gauge were higher than the 1% AEP flood level adopted in the *Herbert River Flood Study* (WBM, 2003). The design of the levee was based on the flood modelling and levees from the 2003 study.

The reason for the increase in flood levels has been the subject of much discussion within the communities on the lower floodplain. The most common reasons proffered by the community included the construction of levees along or near the river bank, sediment accumulation in the river bed along the lower reaches, dredging of sand in the upper reaches and increased vegetation within the river channel.

An analysis of historical flood levels (gauge and surveyed flood marks) at Halifax, Cordelia and Ingham confirmed the belief that there was an upward trend in flood levels at Cordelia and Halifax. This indicated that the changes at Cordelia and Halifax were a result of changed in the hydraulic characteristics of the river system downstream of Ingham rather than natural variability. The report found that the most likely cause of the increase in levels was the uncontrolled construction of levees and to a lesser degree sediment accumulation on sand islands and sand bars and associated vegetation growth. The influence of the sand islands was found to be complex because they impacted upstream and downstream levels differently.

The issue of long-term management of levees along the system is still unresolved and, as an example, in recent years a private levee was constructed in the overflow area between Skene St and Musgrave St. Based on the findings in a report prepared in 2011 by Mark Jempson (BMT, 2011), the HRIT has in recent years undertaken some sand island reprofiling and associated vegetation removal in an attempt to improve the flow of water in the river during flood events.

In the event of a larger flood than those in recent years, or the construction of levees along the river continues, it is inevitable that the main wall of the Halifax Levee will be overtopped resulting in significant flooding in Halifax and possible the failure of the wall along sections where it is an earth wall. Therefore the HRIT is investigating raising of the Halifax Levee main wall. It is not proposed to raise the spillways.

1.1 Scope of Work

The HRIT commissioned Venant Solutions to investigate:

- the potential impact on flood levels of the raising of the Halifax Levee wall;
- the effects of the historical sand island reprofiling and vegetation removal on flood levels:



Introduction 1-2

 the five sand islands included Castorina Island and four islands downstream of the Halifax bridge

- the effects of the construction of the Private Levee between Skene St and Musgrave St on flood levels;
- the potential for a floodway channel running east from the area of the Washaway to reduce flood levels in the Halifax area.

In 2015 Venant Solutions and BMT WBM jointly prepared an updated flood model for Hinchinbrook Shire Council (Council), the outcomes of which were adopted in the Council's Planning Scheme. The model assessed both existing and future climate conditions; the future climate model allowed for climate change induced sea level rise and increased rainfall intensity. For the purposes of this assessment the existing climate model was used as it was more relevant to understanding the effects of the various changes under current climate conditions.

HRIT provided the following survey to assist in the assessment:

- detailed ground level survey of Castorina Island post reprofiling works
- detailed ground level survey of the private levee between Skene St and Musgrave St
- drone level survey of the Castorina Island plus the four islands downstream of the Halifax Bridge.



Hydraulic Modelling 2-1

2 Hydraulic Modelling

2.1 Description of Model

A calibrated fully two-dimensional (2D) TUFLOW hydraulic model of the Herbert River was used for the assessment. The model was originally developed for the 2003 flood study but has subsequently been updated on a number of occasions, the most recent being in 2015 to coincide with Council's new planning scheme. The model was updated to:

- include an additional 12 years of recorded flow date into the derivation of design flow rates;
- incorporate changes on the floodplain that have affected flooding;
- incorporate additional more accurate ground level data;
- extend the model further to the south;
- increase the model accuracy by the application of a finer resolution computational grid (10 m compared with 40 m used over the rest of the model), that covers the townships of Ingham and Halifax, the Herbert River and immediate floodplain downstream of Ingham and the Brice Highway south of Ingham,
- calibrate to an additional flood event, the 2009 event.

The upstream extent of the 2D model is at the Abergowrie Bridge and the downstream extent is approximately 5.5 km downstream of the Halifax bridge. To the north the model extends to the edge of the floodplain at the foothills of the Cardwell Ranges, and to the south it extends to about 3 km south of Helens Hill. The extent of the model is shown in Figure 2-1. The model is extended further than shows in this figure by a network of 1D channels. This 1D network conveys the flow from the 2D domain downstream to the Hinchinbrook Channel and Halifax Bay where a tidal boundary condition is applied.

The model is run using the TUFLOW Classic version of the model, build 2013-12-AD-iSP-w64.

2.2 Assessment Scenarios

Seven scenarios were run on the TUFLOW model as described in Table 2-1 across the range of design floods from the 1 in 5 (20%) AEP up to the 1 in 100 (1%) AEP. This range of scenarios was required to address the scope of works. The various elements assessed are shown in Figure 2-2 to Figure 2-4.

The descriptions in Table 2-1 are self-explanatory, but it might not be clear why both D03 and D04 were assessed. The only difference between these runs is the presence or otherwise of the Private Levee. This levee is currently in place but may be removed in the future and hence an assessment was undertaken for both to check if raising of the levee impacted differently with or without the Private Levee.



Hydraulic Modelling 2-2

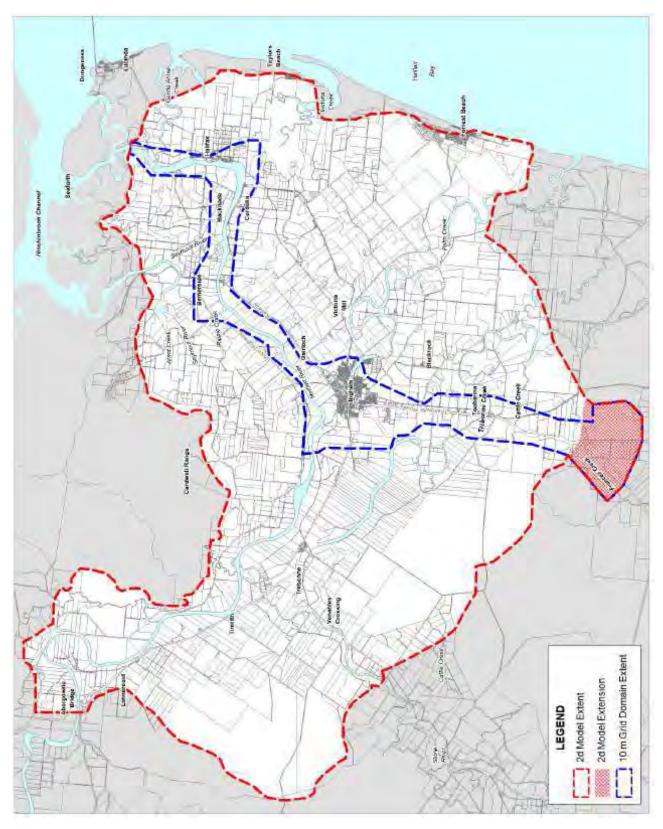
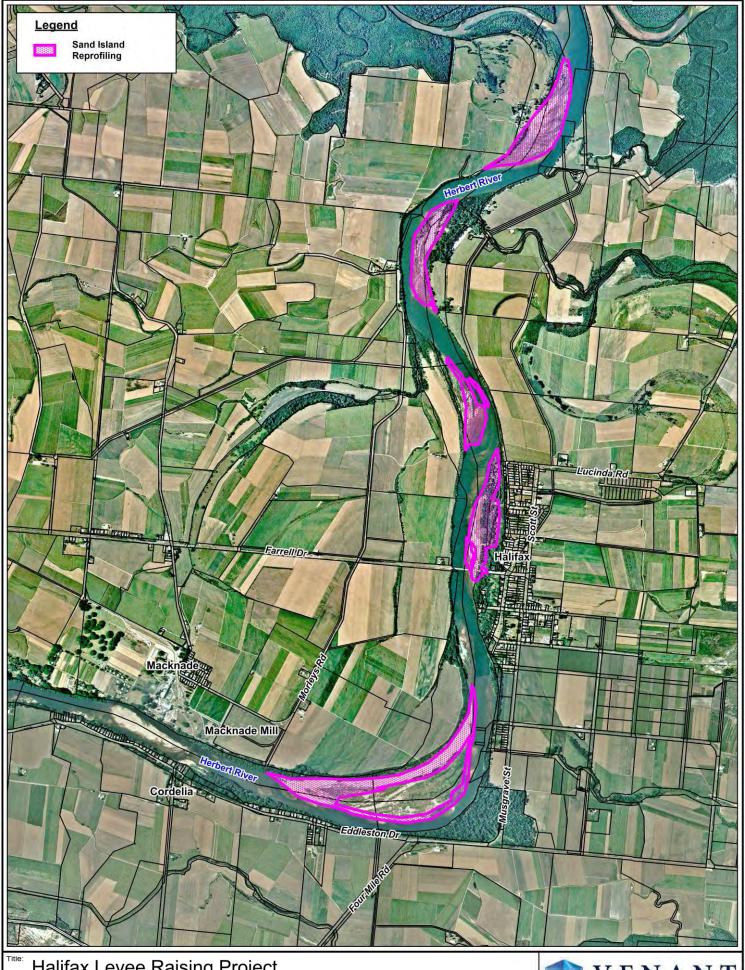


Figure 2-1 TUFLOW Hydraulic Model Extent (Source: BMT (2015))



Halifax Levee Raising Project Sand Island Reprofiling

Figure: 2-2

Α



0.75 1.5km Approx. Scale

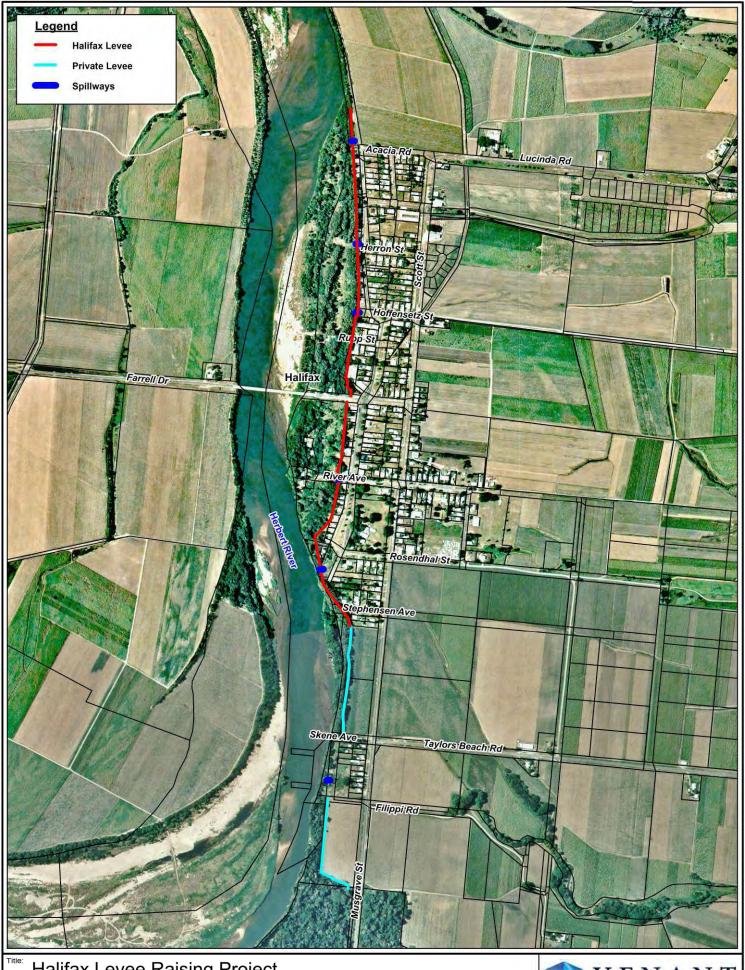
By: RG

Date: Oct 2019

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Halifax Levee Raising Project Levees

Figure: 2-3

Α



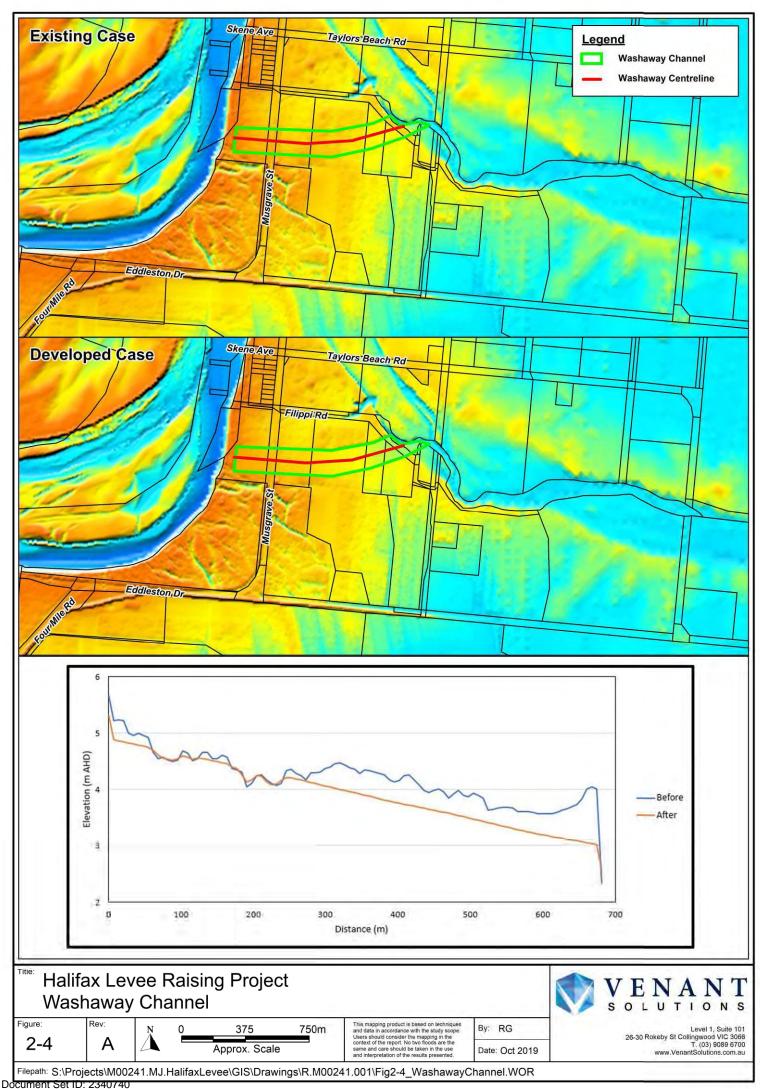
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Hydraulic Modelling 2-6

Table 2-1 Assessment Scenarios

	Table 2-1 Assessment Scenarios		
Name	Purpose	Model Description & Changes	
PE01	Pre-existing base case without Private Levee and no sand island reprofiling. Used as a base case for the assessment of the impact of the Private Levee and as a base case for the assessment of the impact of the sand island trimming.	No sand island reprofiling. No Private Levee. Castorina Island ground levels updated in areas where there was no reprofiling.	
PE02	Pre-existing base case with Private Levee and no sand island reprofiling. Used to assess the impact of the Private Levee by comparing with PE01.	No sand island reprofiling. Private Levee as surveyed. Castorina Island ground levels updated in areas where there was no reprofiling.	
E03	Existing conditions including sand island reprofiling but without private levee. Used to assess the impacts of the sand island reprofiling by comparing with PE01, Used as a base case in the assessment of the impacts of the raising of the Halifax levee and the Washaway Channel.	Current sand island levels from ground survey and drone survey. No Private Levee. Updated manning's 'n' to represent vegetation removal associated with sand island reprofiling.	
E04	Existing conditions including sand island reprofiling and with private levee. Used to assess the impacts of the sand island reprofiling by comparing with PE01, Used as a base case in the assessment of the impacts of the raising of the Halifax levee.	Current sand island levels from ground survey and drone survey. Private Levee as surveyed. Updated manning's 'n' to represent vegetation removal associated with sand island reprofiling.	
D03	Halifax levee raised and <u>no</u> Private Levee. Used to assess the impacts of raising the Halifax Levee assuming the Private Levee is removed by comparing with E03.	Current sand island levels from ground survey and drone survey. No Private Levee. Updated manning's 'n' to represent vegetation removal associated with sand island reprofiling. Halifax Levee raised by 200 mm.	
D04	Halifax levee raised and with Private Levee. Used to assess the impacts of raising the Halifax Levee assuming the Private Levee remains by comparing with E04.	Current sand island levels from ground survey and drone survey. Private Levee as surveyed. Updated manning's 'n' to represent vegetation removal associated with sand island reprofiling. Halifax Levee raised by 200 mm.	
D05	Washaway channel Used to assess benefits of Washaway Channel by comparing with E03.	Current sand island levels from ground survey and drone survey. No Private Levee. Updated manning's 'n' to represent vegetation removal associated with sand island reprofiling. 680m longs, 100 m wide Washaway Channel included, sloping from 4.9 m AHD to 3 m AHD.	



3 Impact Assessment

The flood level impact of the following scenarios is presented in this Chapter:

- The Private Levee:
- The sand island reprofiling;
- Raising the Halifax Levee by 200 mm assuming no Private Levee;
- Raising the Halifax Levee by 200 mm assuming the Private Levee remains;
- Combined sand island reprofiling and raising the Halifax Levee by 200 mm assuming the Private Levee remains;
- Construction of a channel at the Washaway.

3.1 Private Levee

To assess the impact of the Private Levee on flood levels, the flood levels from model run PE01 were subtracted from PE02. The changes in flood level caused by the construction of the Private Levee are presented in Figure 3-1 to Figure 3-5 for the 1% down to the 20% AEP flood events respectively. In these figures the change in flood level is mapped in colour ranges in accordance with the legend. The yellow colour indicates no change in flood level within a tolerance of ± 10mm. The brown/red shades indicate areas where there are increases in flood level and the green shades indicate areas where there are decreases in flood level. The pink shading indicates areas which would no longer be flooded with the levee in place, and the blue shade indicates areas that were not flooded previously but would now be flooded with the levee in place. The mapping presents ranges of changes in flood level, so to assist in understanding the changes at a finer resolution the figures include changes at spot point locations which provides an idea where the impacts are within the range.

The effect of Private Levee on flood levels is widespread with decreases in flood levels to the east of the Levee and increases to the north, west and south. The impacts caused by Private Levee are larger in the more frequent flood events and less in the large events; this is because levee becomes more deeply submerged as the size of the flood increases and hence has a smaller impact.

In the residential areas of Cordelia, Halifax and Macknade there are increases in flood level across the full range of events tested. The analysis clearly shows that this levee has reduced the level of protection afforded by the Halifax Levee. More widely in the farming areas the increase in flooding level is typically around 30 mm, but with up to 60 mm on the Castorina Farm.

The analysis presented here shows the changes in flood caused by the construction of the levee. The results can be used to understand how the flood levels would change if the levee were to be removed. The mapping would be reversed. For example, the increases in flood level would be reductions of the same magnitude and vice versa.

3.2 Sand Island Reprofiling

To assess the impact of the sand island reprofiling on flood levels, the flood levels from model run PE01 were subtracted from E03. The changes in flood level caused by the Private Levee are presented in Figure 3-6 to Figure 3-10 for the 1% down to the 20% AEP flood events respectively.



The sand island reprofiling has the general effect of reducing flood levels over a wide area. Generally the pattern of changes in flood levels is consistent across the range of events tested, although the magnitude of changes decreases as the size of the flood increases.

Decreases in flood level are particularly notable in the parts of Halifax, Cordelia, Macknade and south along Four Mile Rd. In Cordelia there are area with reductions in flood level of more than 100 mm.

There are some localised areas of increases. Although most of Cordelia benefits from a reduction in flood level, the modelling indicates localised increases of the order of 20 mm at the eastern end of Cordelia at Stephensens Rd. Consideration should be given the rectifying this. It is likely that this could be resolved by further reprofiling on Castorina Island.

There are also some increases at the houses south of Skenes Road (~20 mm) and in Halifax at and around the intersection of Mona Rd and Hoffensetz St (~44 mm). The houses in Halifax are near one of the spillways and the localised increase in water level at the river is pushing more water into Halifax at this location. It may be necessary to raise the spillway at this location to compensate for this increase in flood level.

There are some increases in flood level shown at the northern extent of the mapping. This is the location where the model transitions from the 2D domain into the 1D channels. Some impacts further downstream could be expected because the profiling work has kept more water in the river, hence the widespread reductions, but the impacts here may be influence by the transition across the domains and hence cannot be considered to be reliable.

3.3 Raising Halifax Levee

As noted earlier, raising of the Halifax Levee by 200 mm was tested without and with the Private Levee being in place. This was done to test whether the impact of Raising the Halifax Levee was sensitive to the presence or otherwise of the Private Levee. To be clear, when testing without the Private Levee there was no Private Levee in either the pre Halifax Levee raising model (E03) or the post Halifax Levee raising model (D03). Similarly, when testing with the Private Levee the Private Levee was in both the pre Halifax Levee raising model (E04) of the post Halifax Levee raising model (D04).

By keeping the Private Levee the same in both the pre and post Halifax Levee raising models the direct effects of the Private Levee were neutralised, but it allowed an investigation as to whether the Private Levee's presence or otherwise would indirectly affect the outcomes of raising Halifax Levee.

The change in flood levels presented in this section (Section 3.3) are for the effects of raising the Halifax Levee only. In some locations where increased levels are identified these area offset or partially offset by the sand island reprofiling. Given that both the sand island reprofiling works, which are completed) and the proposed raising of the Halifax Levee are both HRIT projects with the aim to manage the changing flood regime in this area, it is appropriate that the net change in flood level resulting from the combination of both projects is considered. The net effects are presented in Section 3.4.

3.3.1 Raised Halifax Levee without Private Levee

To assess the impact of raising the Halifax Levee on flood levels, assuming the Private Levee is removed prior to raising the Halifax Levee, the flood levels from model run EO3 were subtracted from D03. The changes in flood level caused by the Private Levee are presented in Figure 3-11 to Figure 3-15 for the 1% down to the 20% AEP flood events respectively.



As can be seen in these figures there would be no changes in flood level broadly across the floodplain. There are some small increases locally around the levee. There are no widespread increases in flood level because it is not proposed to raise the spillways, only the main wall. The localised impact showing in the maps occur along section of levee where the model is indicating the existing main levee wall would be overtopped. Raising the levee at these location therefore has the effect of increasing the flood level locally on the upstream side of the levee.

These localised increases occur in the river or in cane paddocks. The can paddocks where the increases occur are to the south of Stephensen Ave and south of the Skene Ave levee (opposite Fillippi Rd). The increase in flood level is up to ~20 mm in the cane paddocks south of Skene Ave and south of Stephensen Ave.

The depth of flooding at these two locations is about 1 m so the additional depth of inundation of 20 mm is not significant and is over a localised area of the cane paddocks.

3.3.2 Raised Halifax Levee with Private Levee

To assess the impact of raising the Halifax Levee on flood levels, assuming the Private Levee remains, the flood levels from model run EO4 were subtracted from D04. The changes in flood level caused by the Private Levee are presented in Figure 3-16 to Figure 3-20 for the 1% down to the 20% AEP flood events respectively.

In the 1% and 2% (1 in 50) AEP events the increase in flood level is more widespread with the Private Levee than without the Private Levee, the main difference being increases shown on the Castorina's farm. There is a larger effect because the presence of the Private Levee in the existing case causes deeper overtopping of the main wall of the Halifax Levee and hence more flow over the levee which is then blocked when the Halifax Levee wall is raised.

The increases in flood level on the Castorina's farm are relatively small at up to ~13 mm. In the 5% AEP and smaller the increases are less than 10 mm on the Castorina's Farm.

In the cane paddocks to the south of Skene and Stephensen Ave there is an increase in flood level of up to ~20 mm, as was the case *without Private Levee* case, but the effects extend further to the south. As noted previously the depth of flooding is about 1 m and hence an additional 20 mm is not significant.

3.4 Combined Halifax Levee Raising & Sand Island Reprofiling

Figure 3-21 to Figure 3-25 present the combined effect on flood levels (1% to 20% AEP) of the sand island reprofiling and the proposed raising of Halifax Levee. These results assume the Private Levee is in place as is currently the case.

As expected, the results presented in these figures are very similar to the sand island reprofiling results because of the limited impacts of the raising of the Halifax Levee Wall. A few points to note:

- There are widespread reductions in flood level across the range of floods tested;
- There are significant reductions in flood level across most of Cordelia, except at the eastern end around Stephensens Road where there are increases of about 20 mm;
- There are increases in flood level at some houses in Halifax around the corner of Mona Rd and Hoffensetz St caused by the sand reprofiling – it may be necessary to lift the spillway level at this location to mitigate these increase;
- There are reduction in the flood level on the Castorina's Farm.



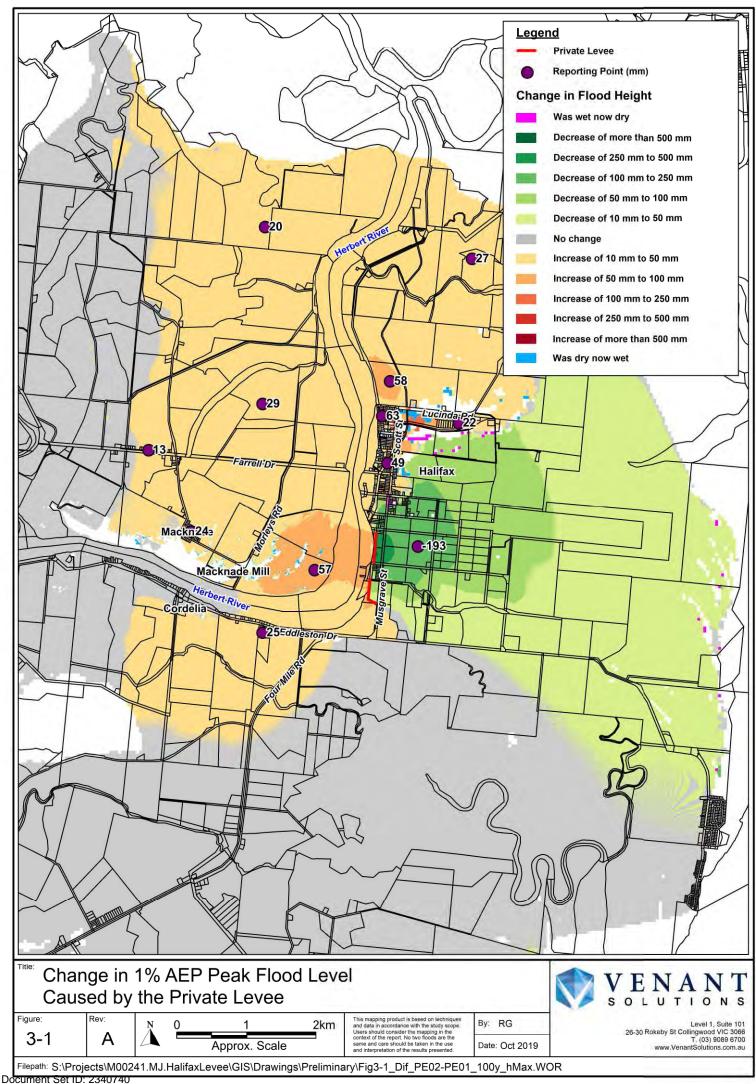
3.5 Washaway Channel

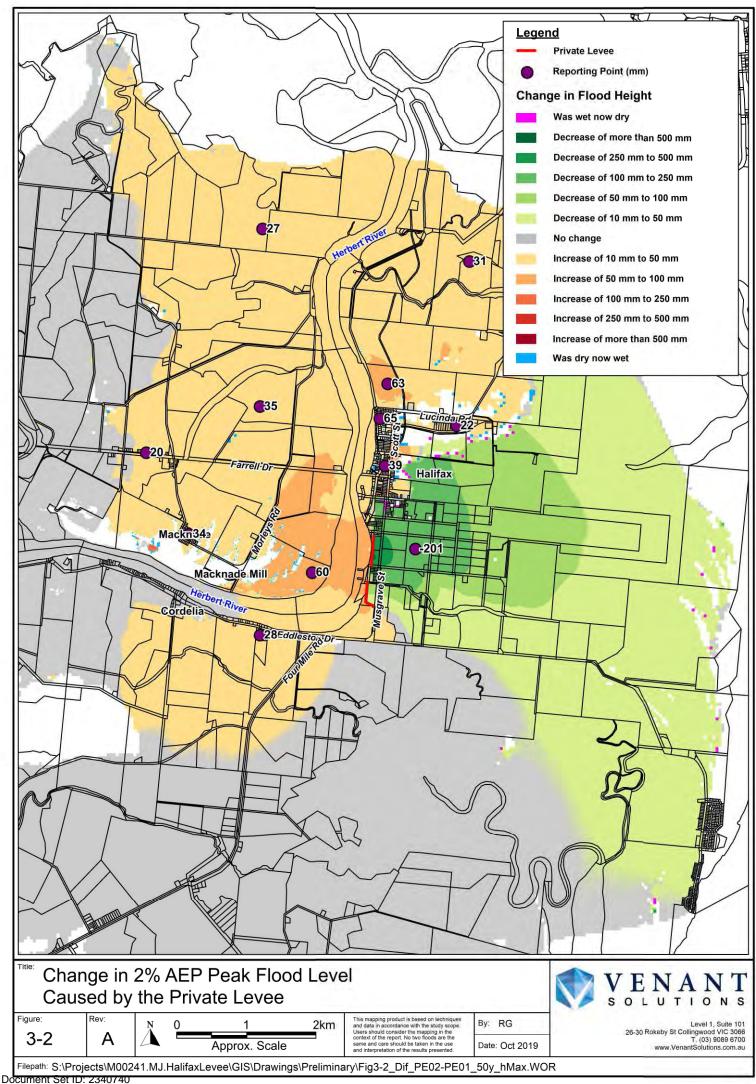
To assess the impact of the Washaway channel on flood levels, the flood levels from model run E03 were subtracted from D05. The changes in flood level caused by the Washaway channel are presented in Figure 3-26 to Figure 3-30 for the 1 in 100 down to the 1 in 5 AEP flood events respectively.

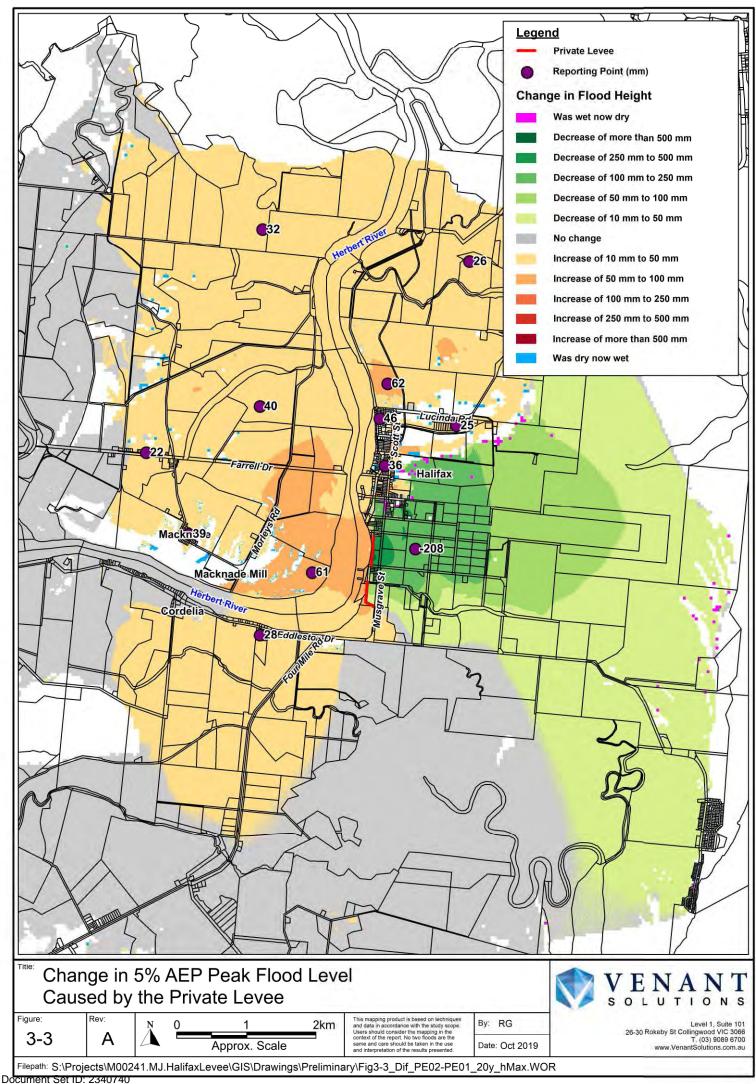
The changes in flood level impacts are quite similar between the different flood events, with large reductions in flood level in the area of the channel, smaller reductions to the north, south and west on the other side of the river. However, at the channel outlet there is an increase in flood levels which extends over a kilometre to the east and north-east.

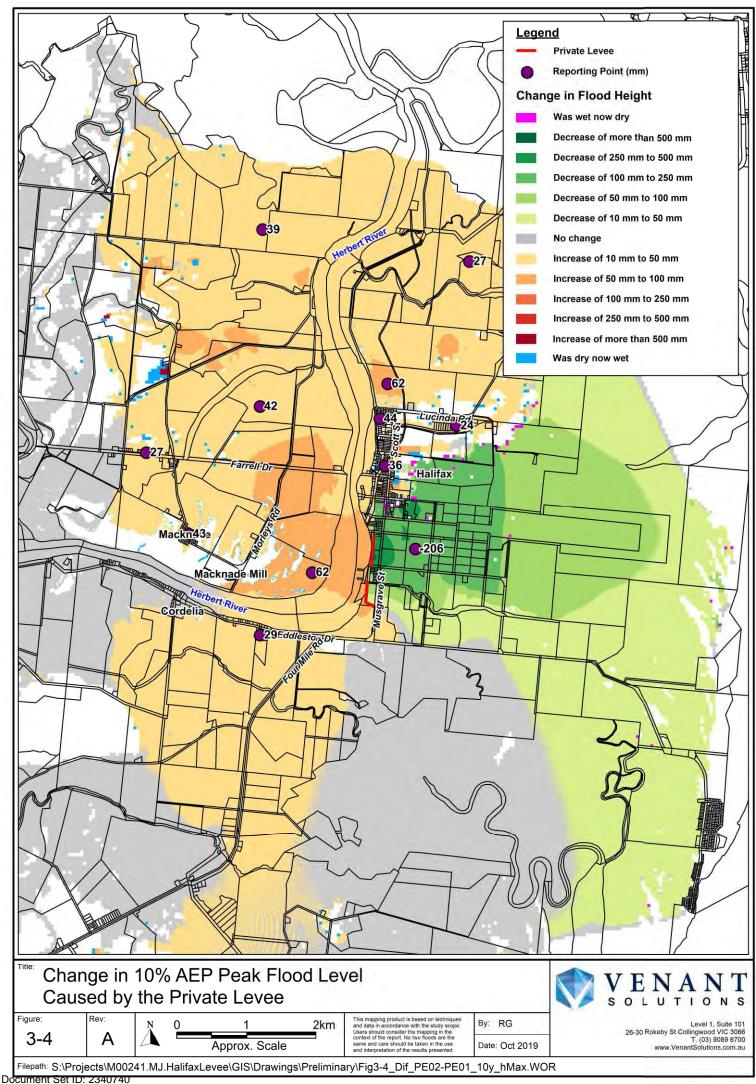
Given the relatively extensive works (680 m long 100 m wide), the changes are relatively localised and provide very little benefit to Halifax.

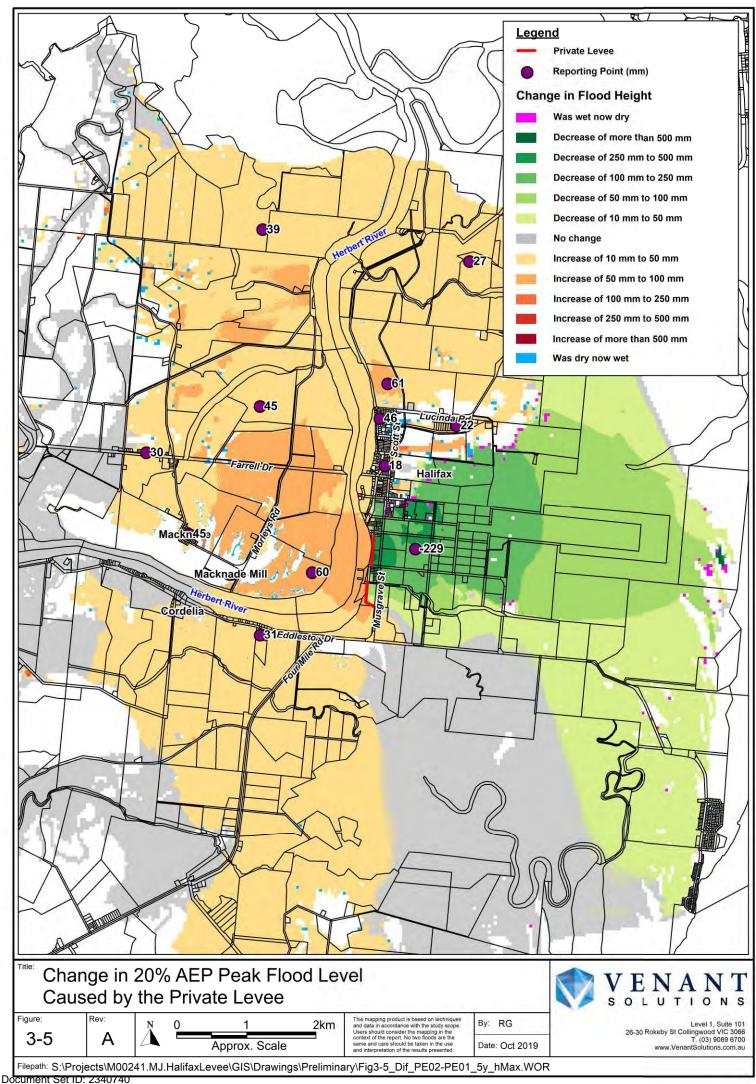


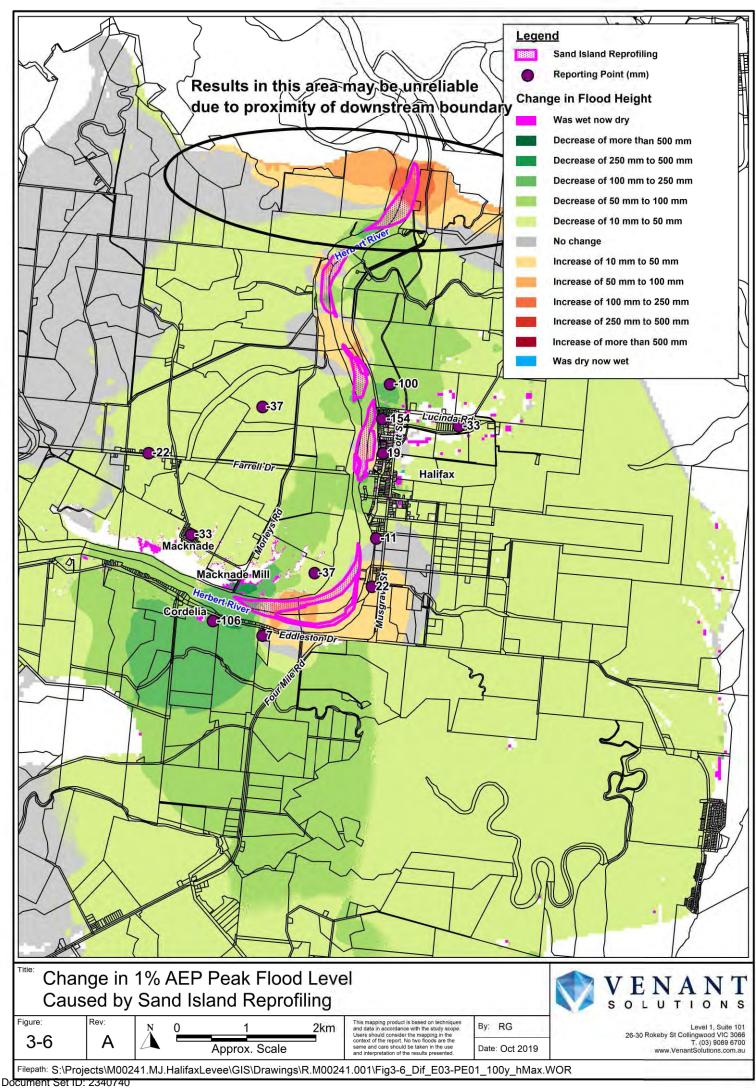


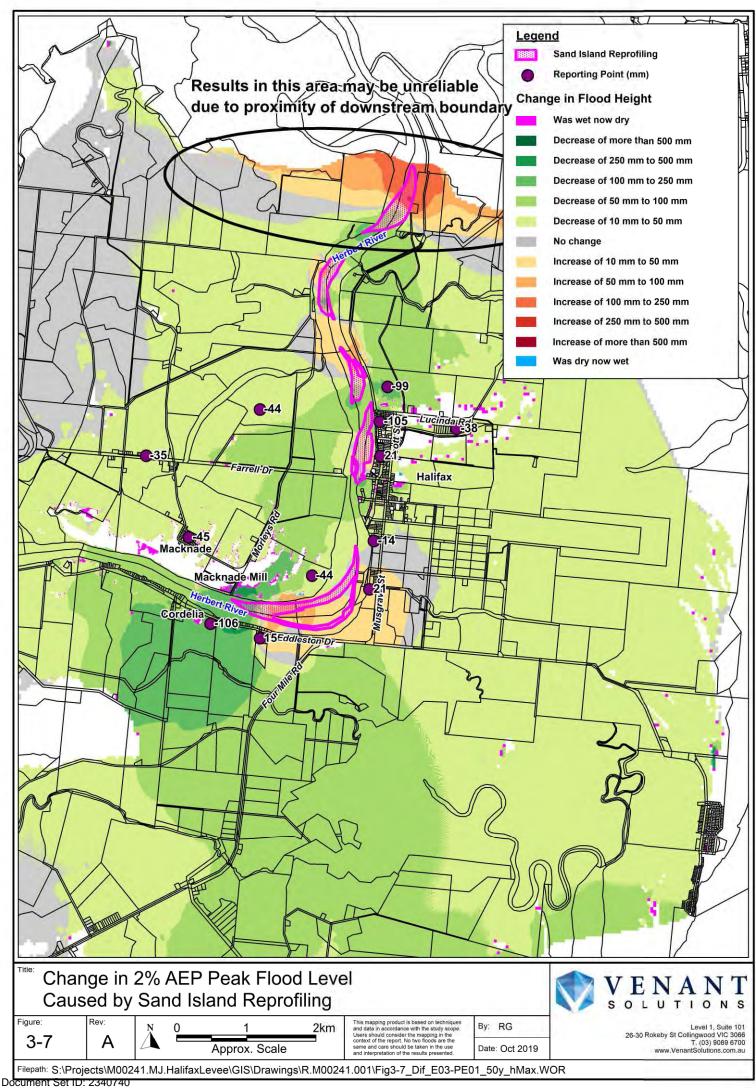


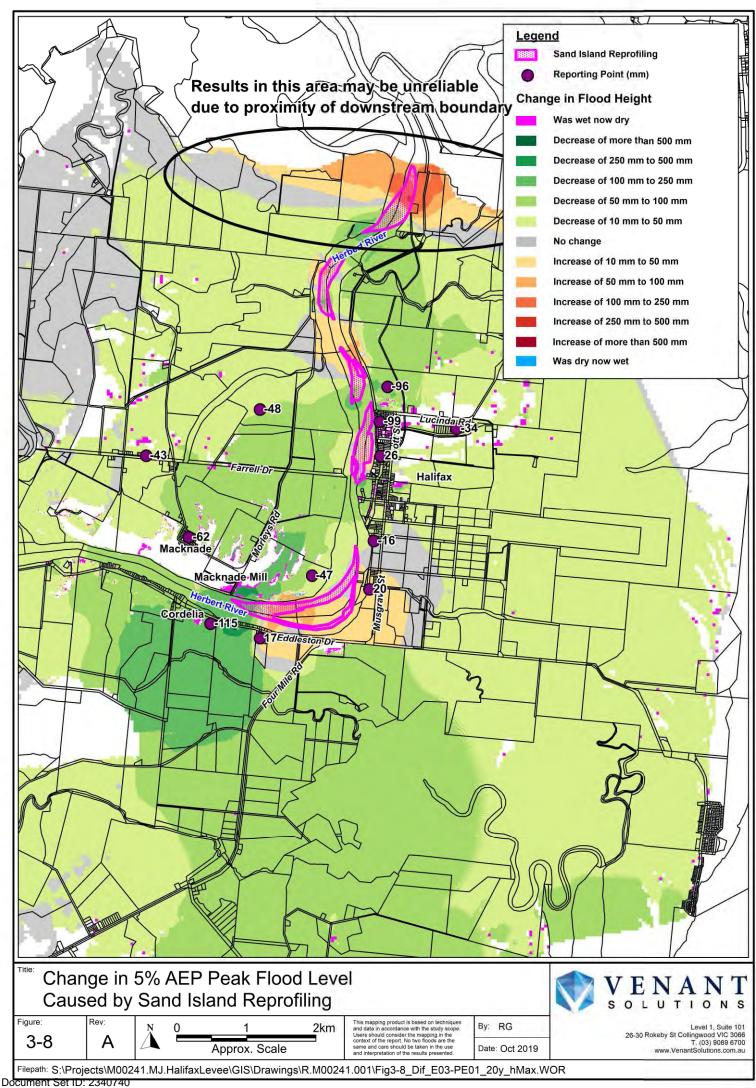


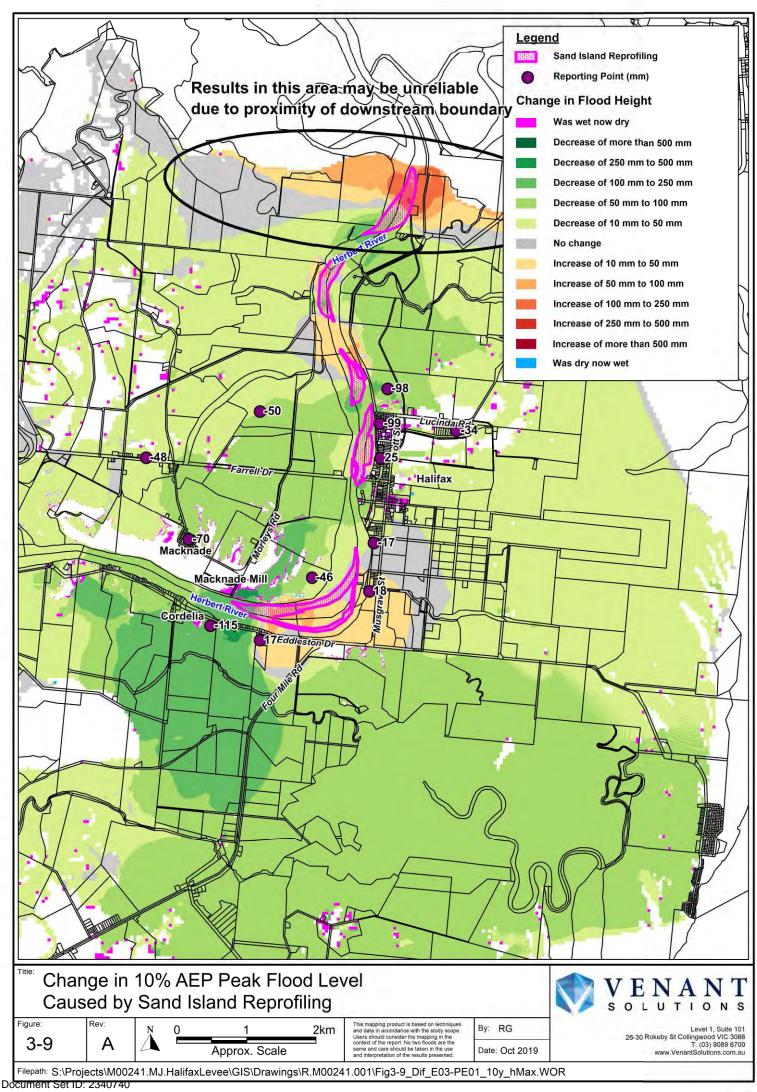


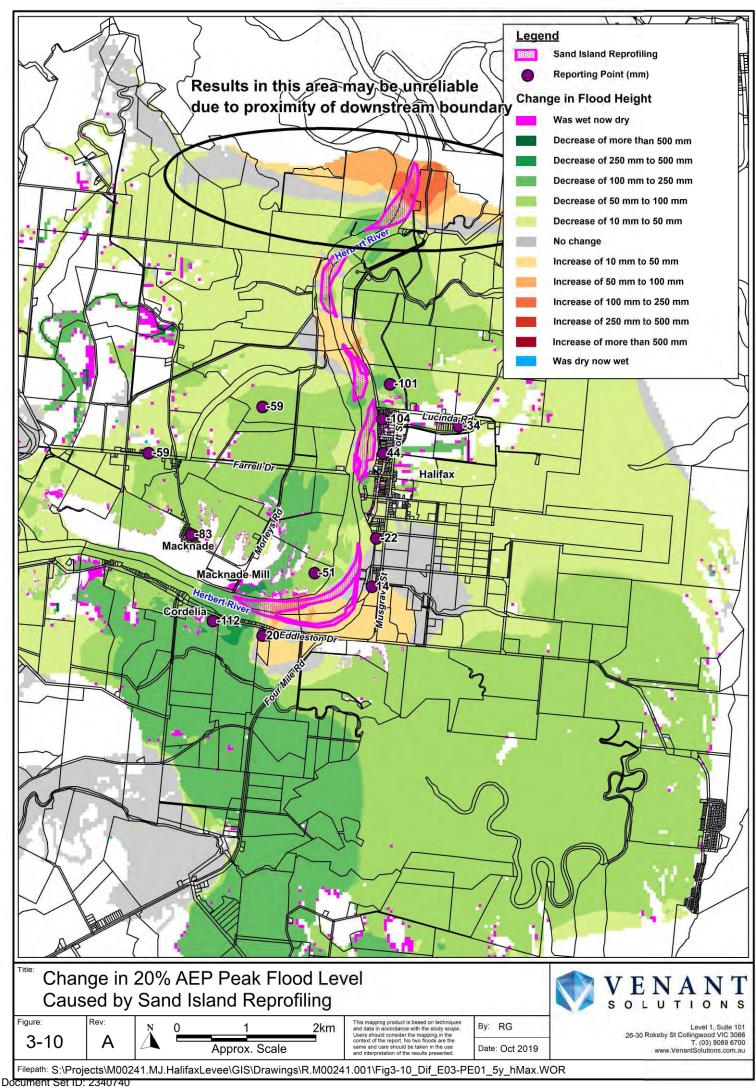


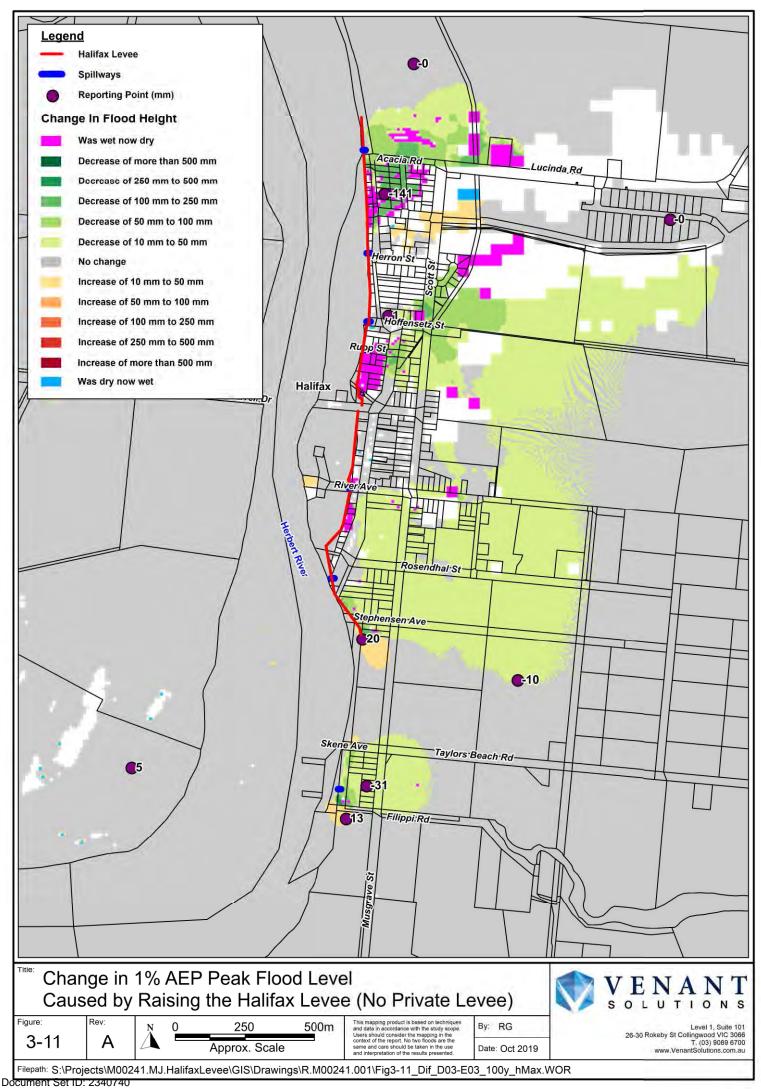


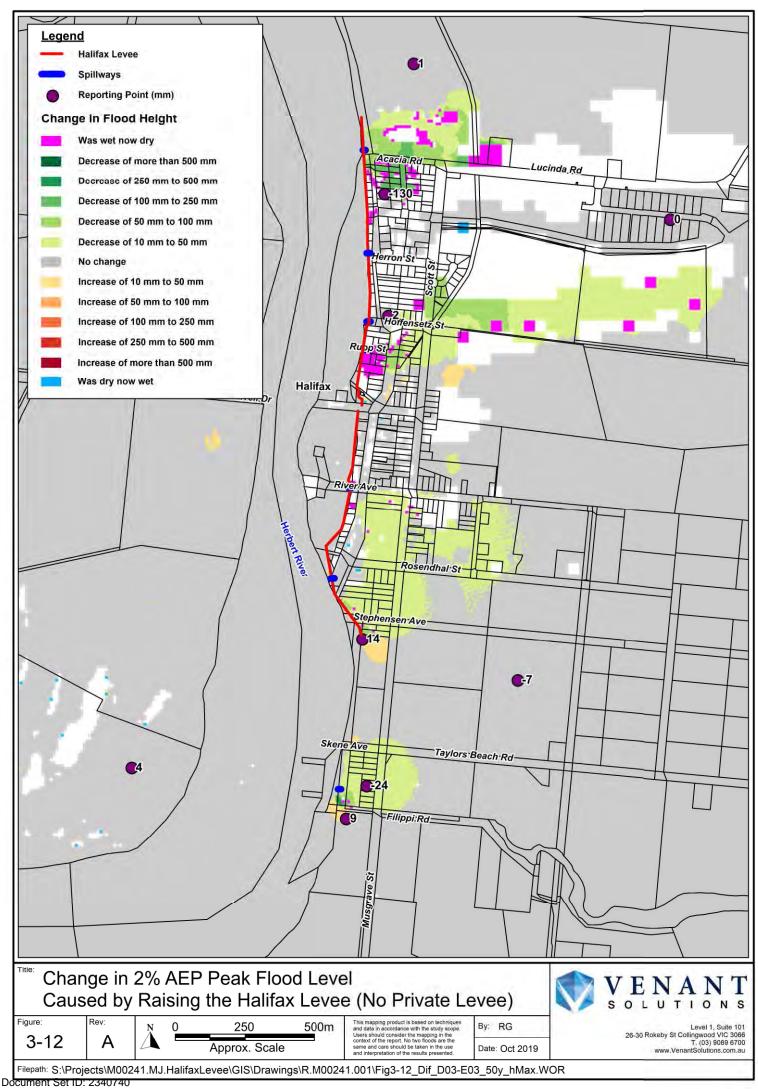


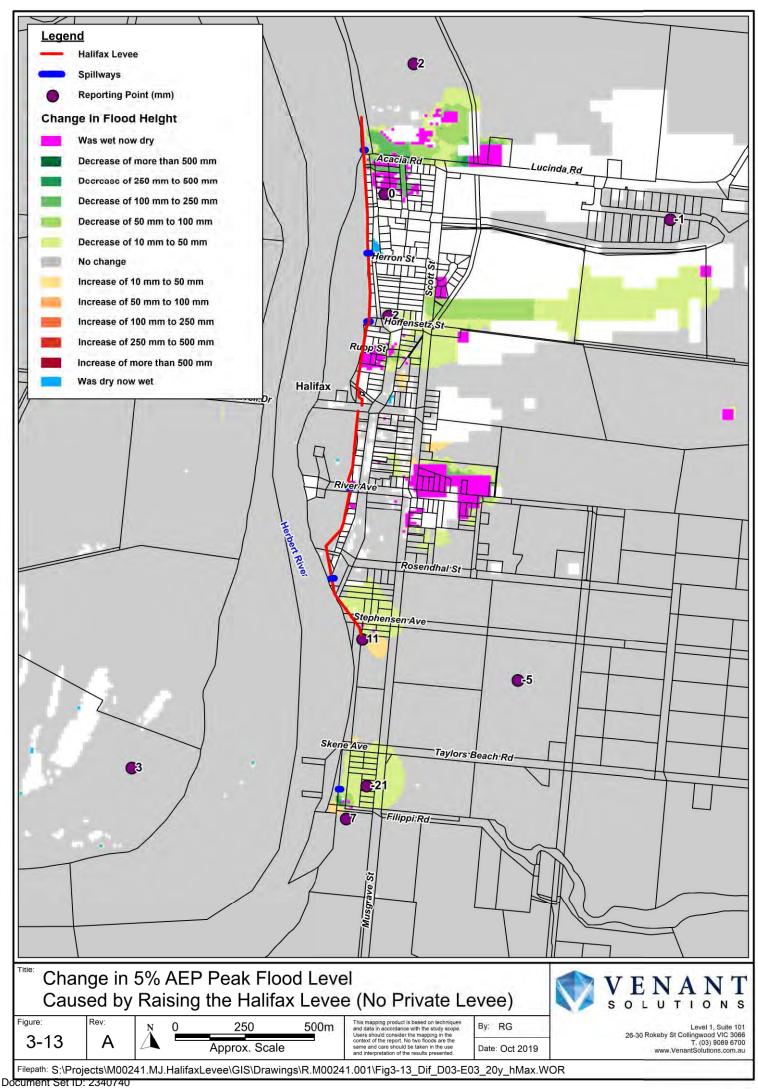


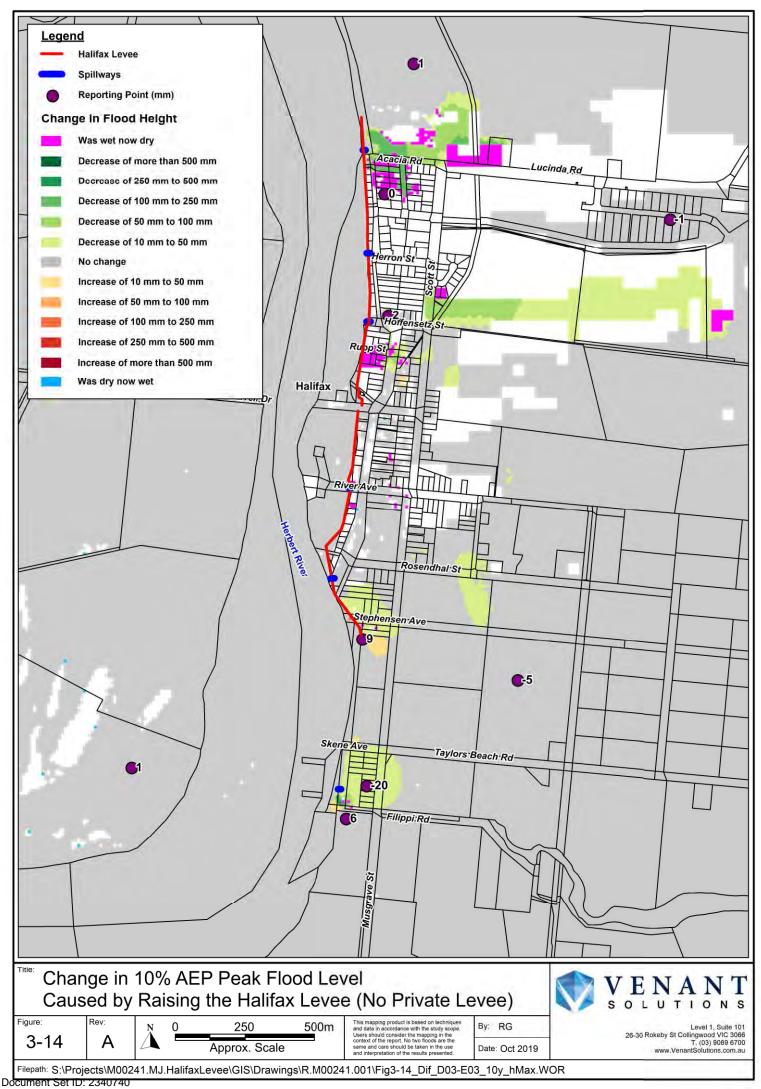


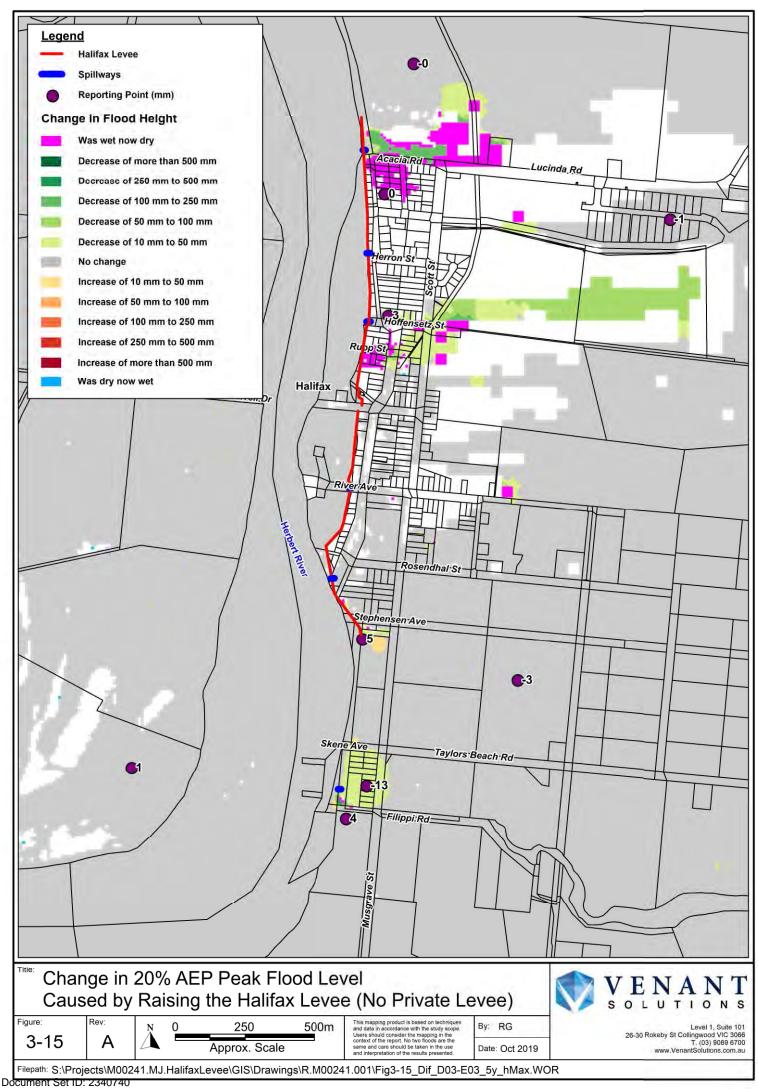


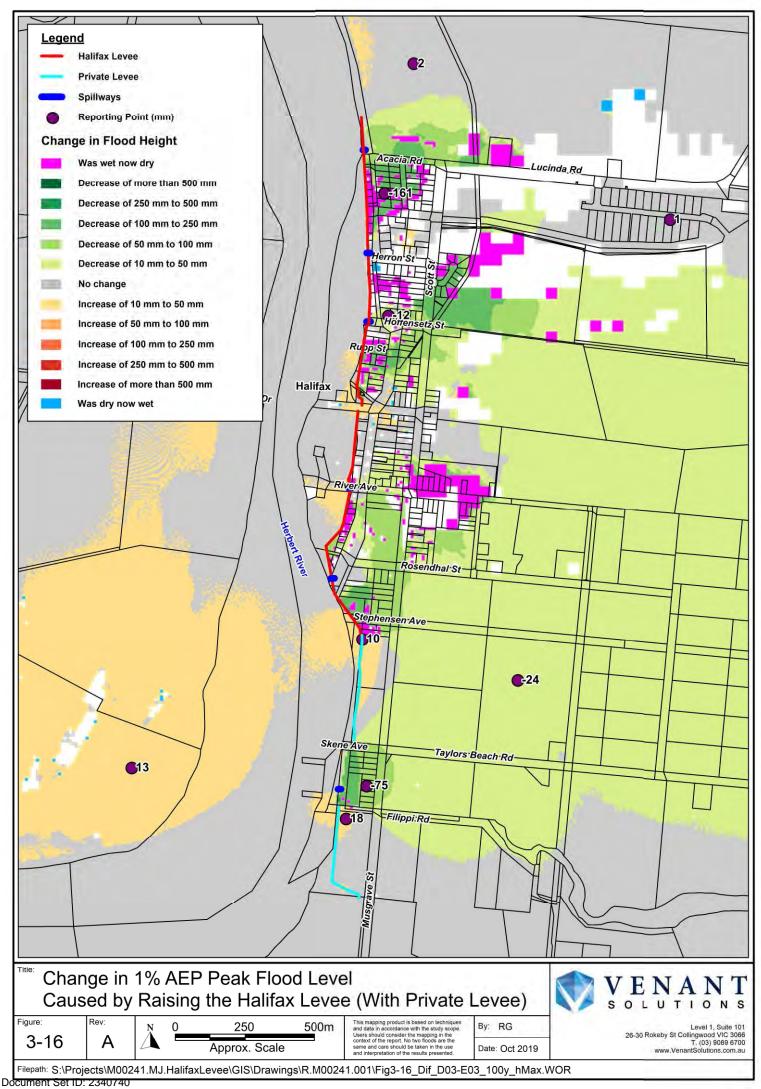


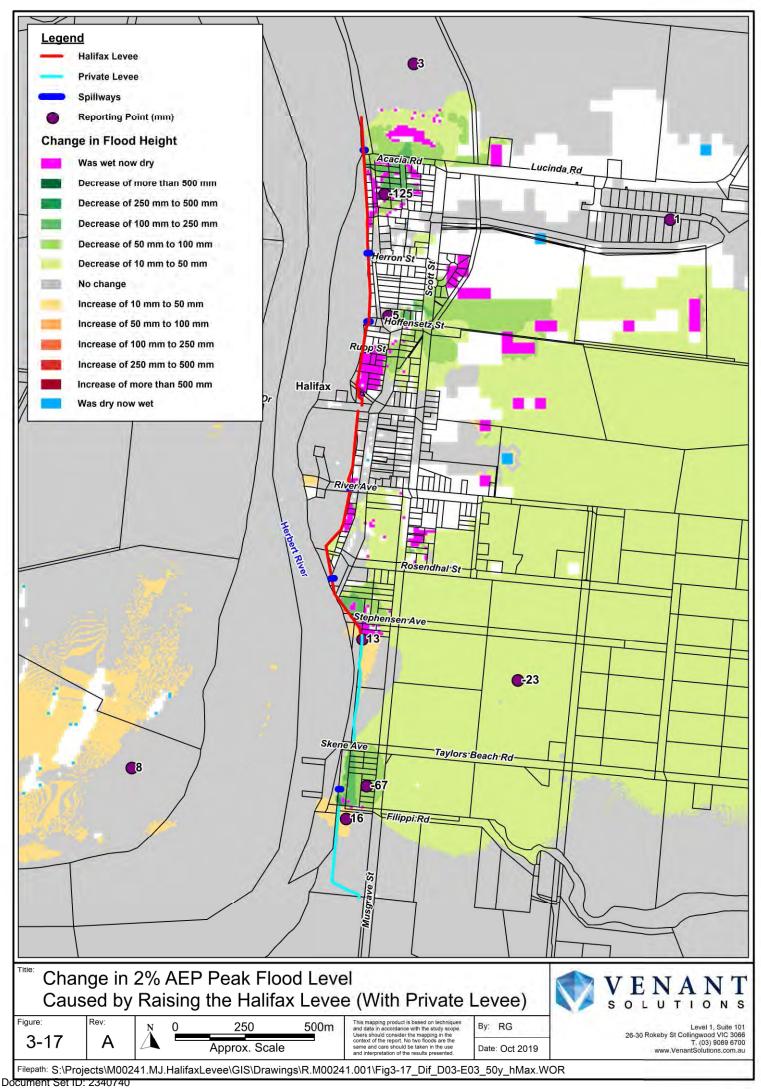


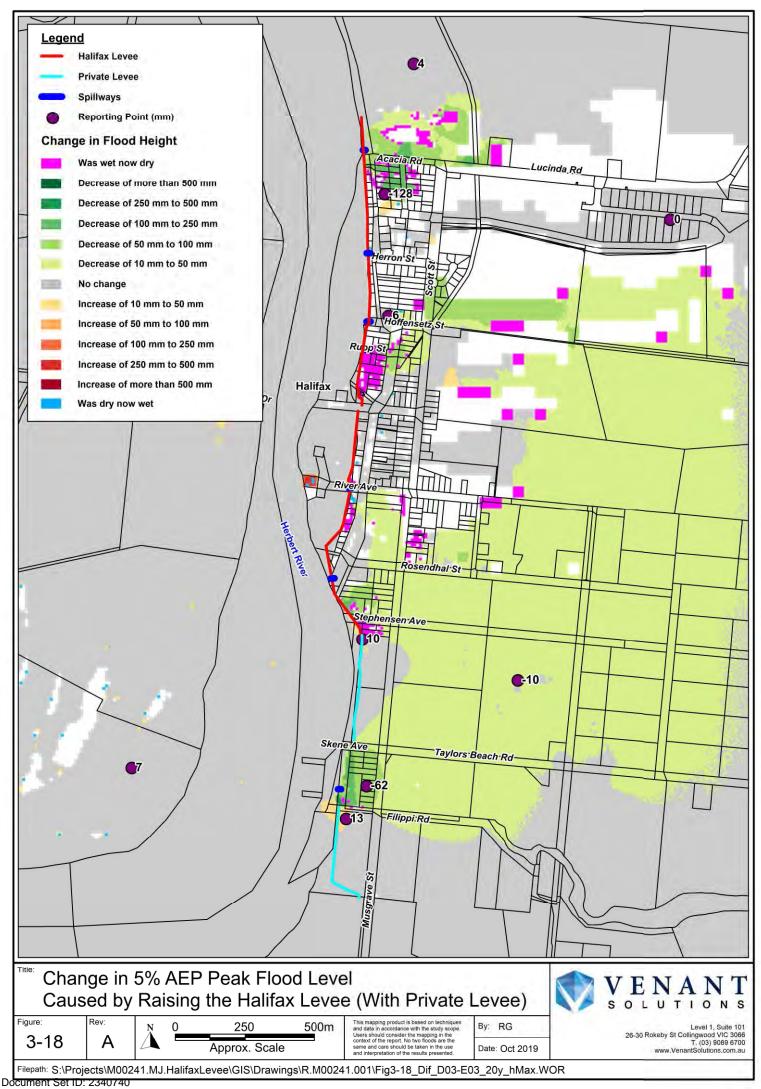


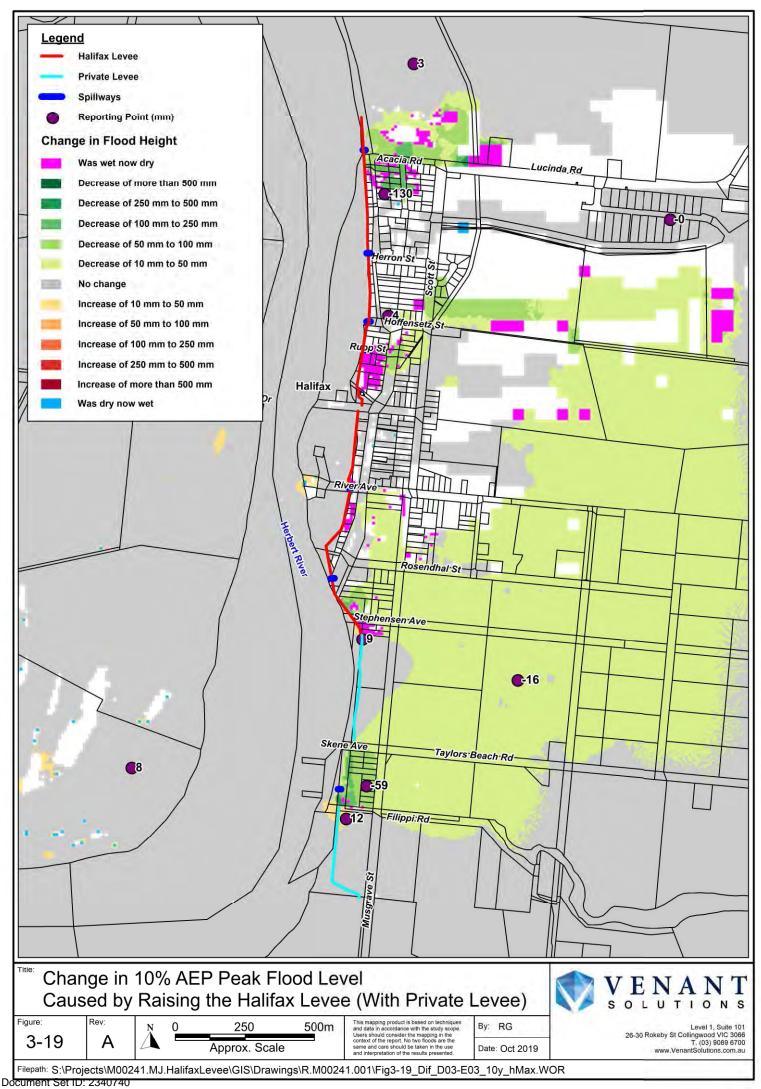


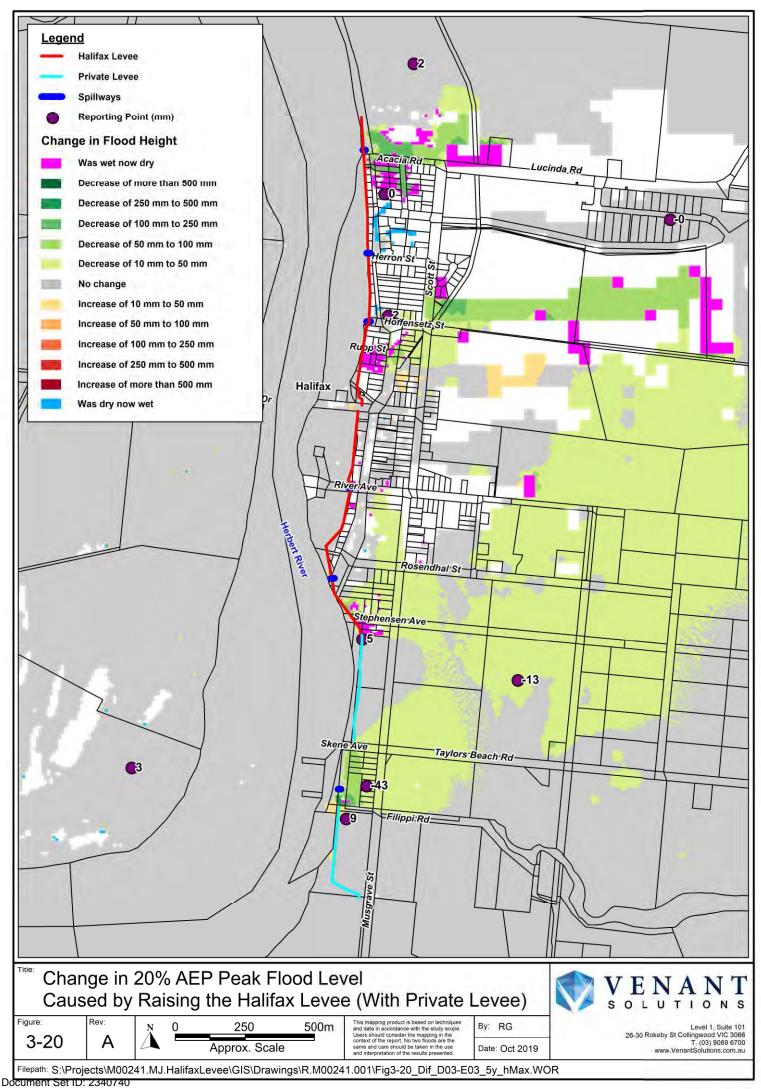


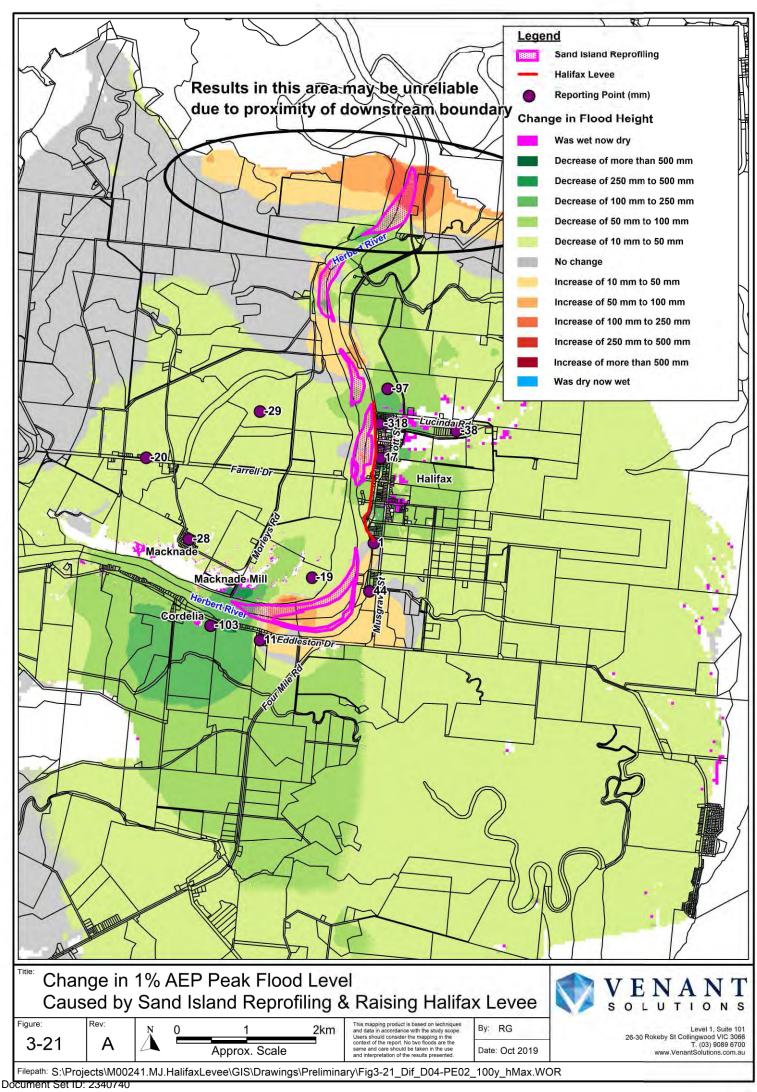


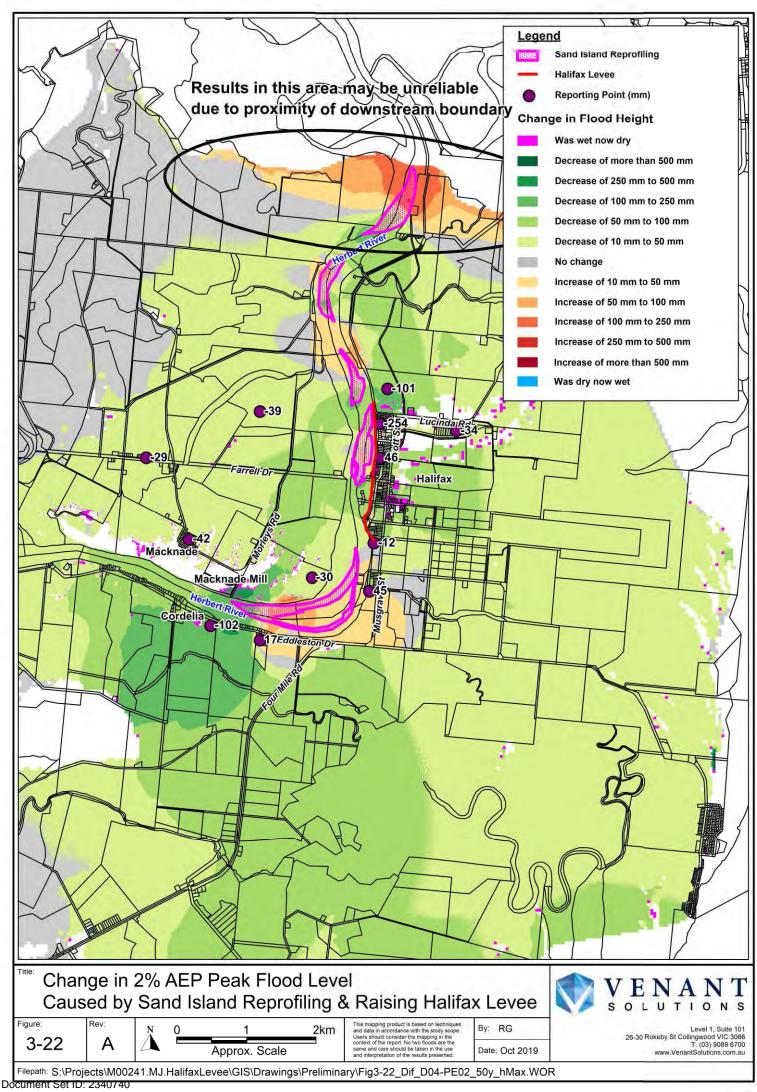


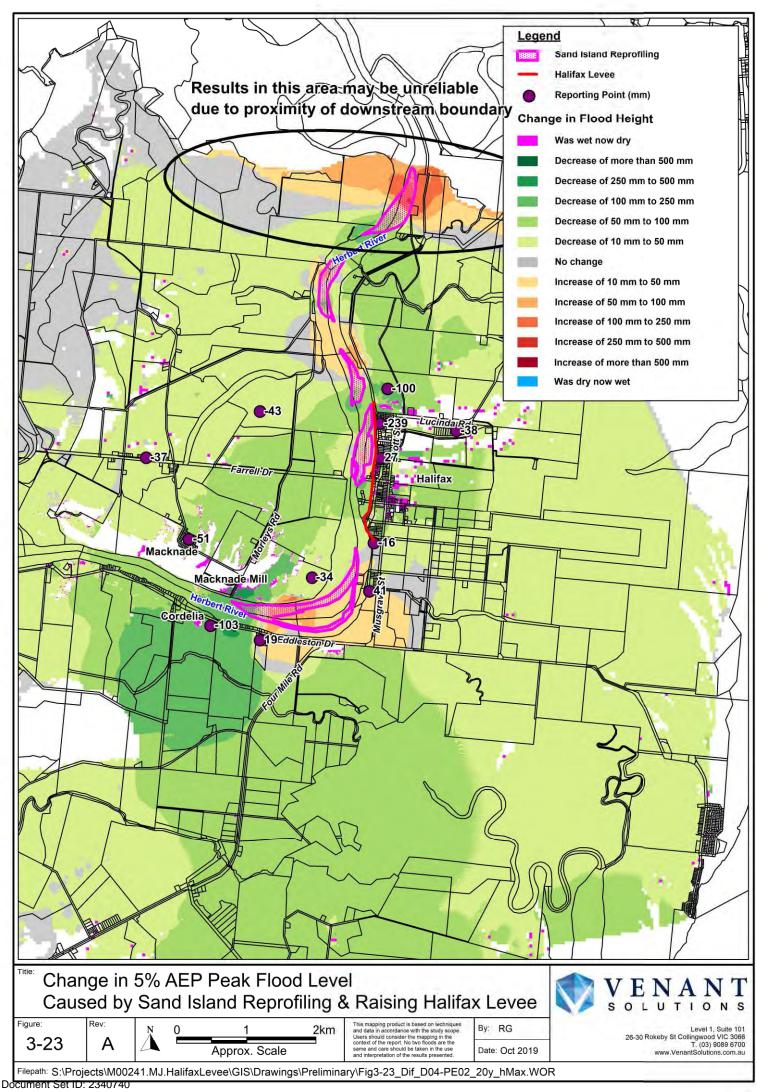


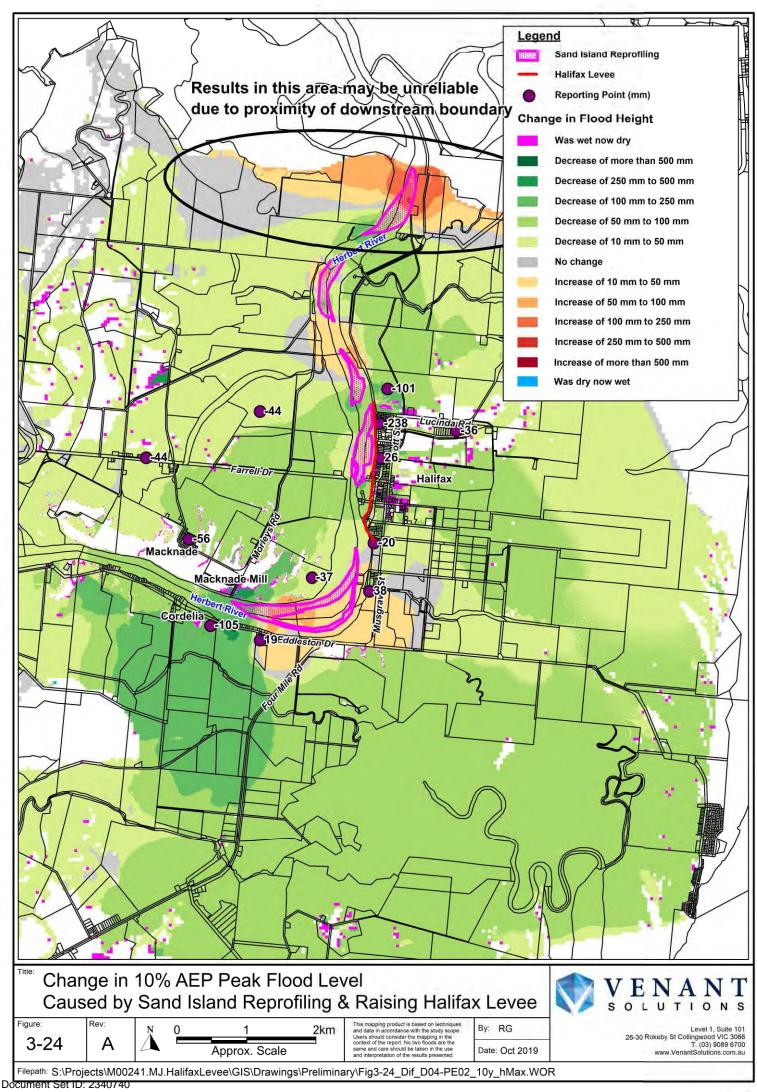


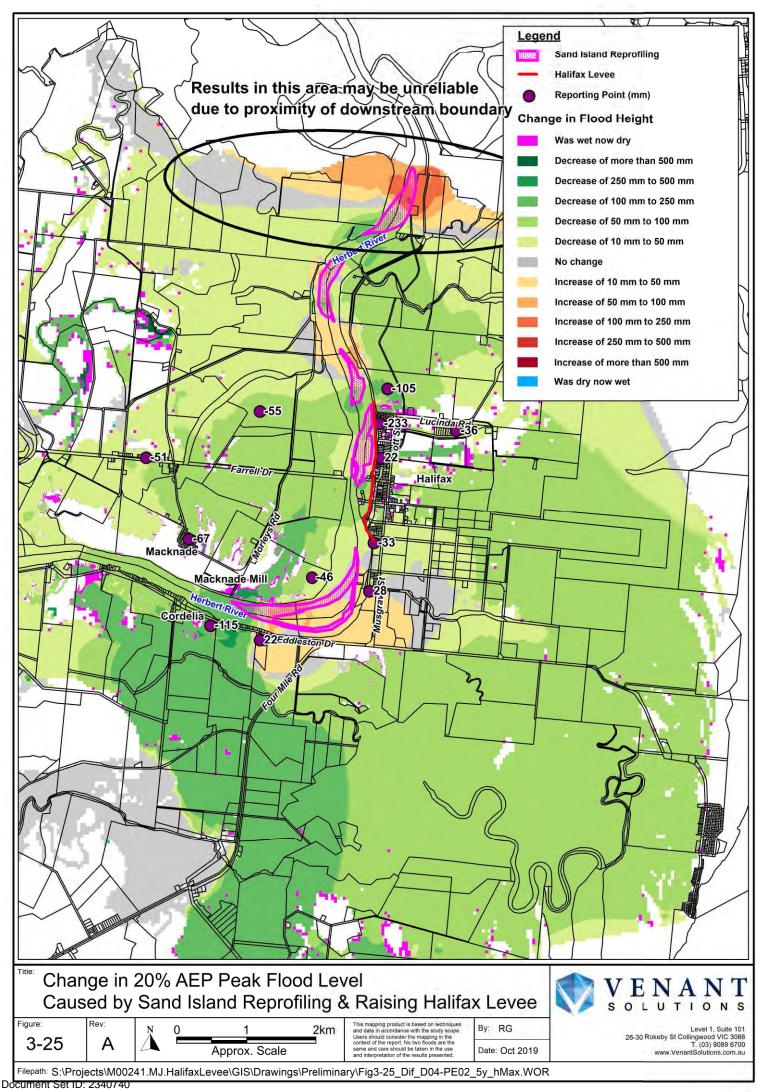




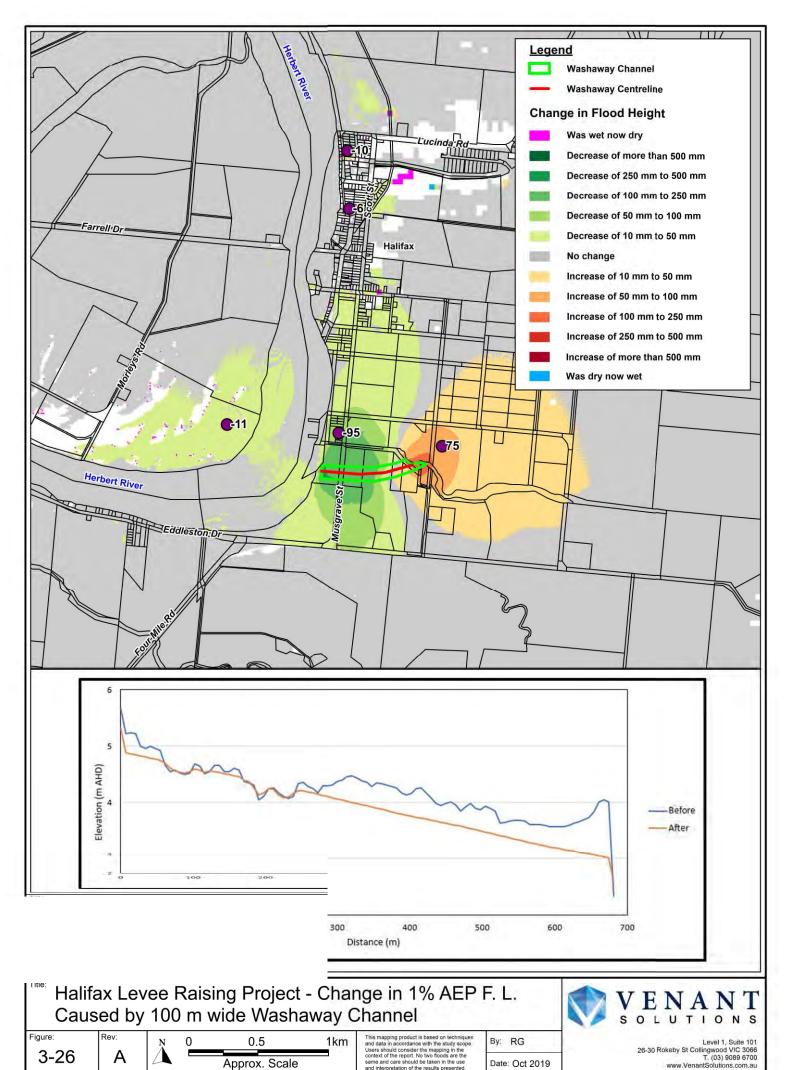






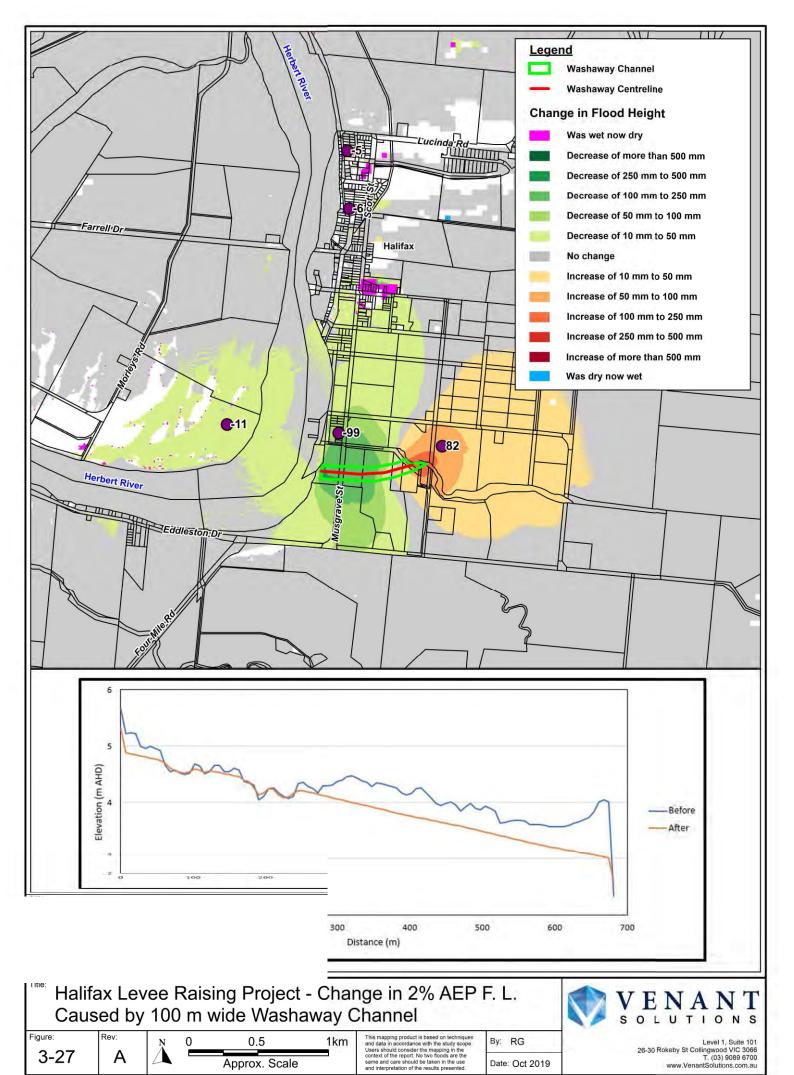


Version: 1, Version Date: 19/05/2020



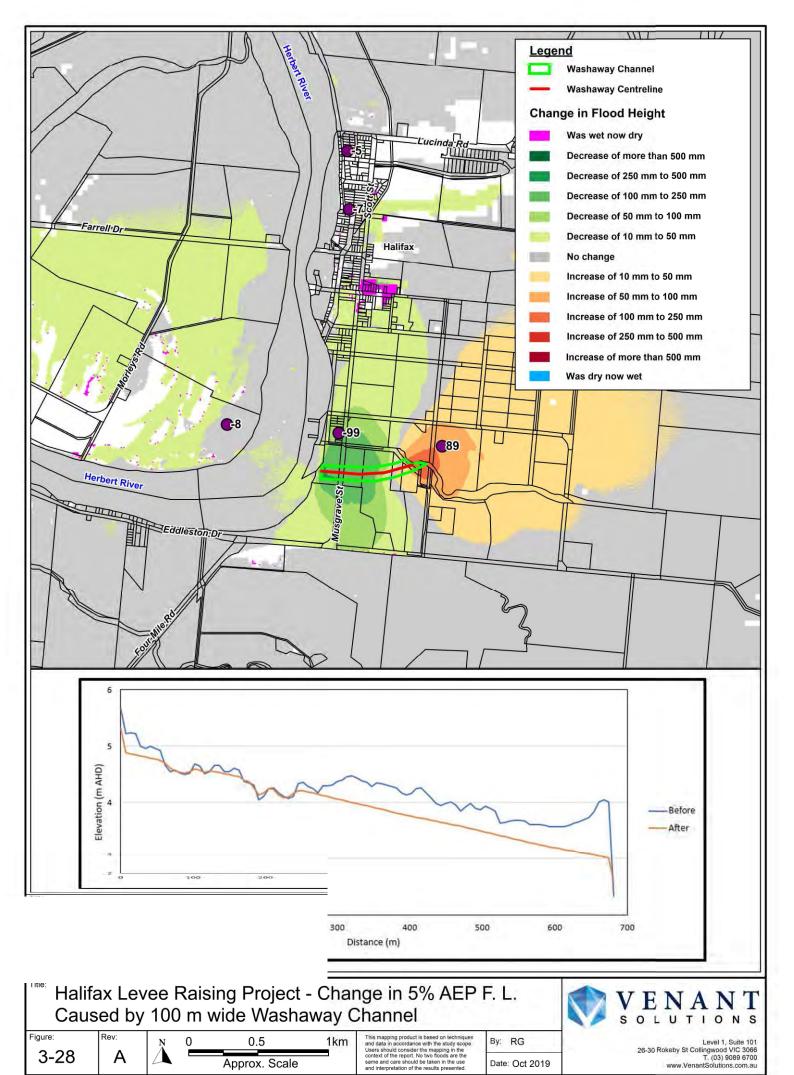
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Version: 1, Version Date: 19/05/2020



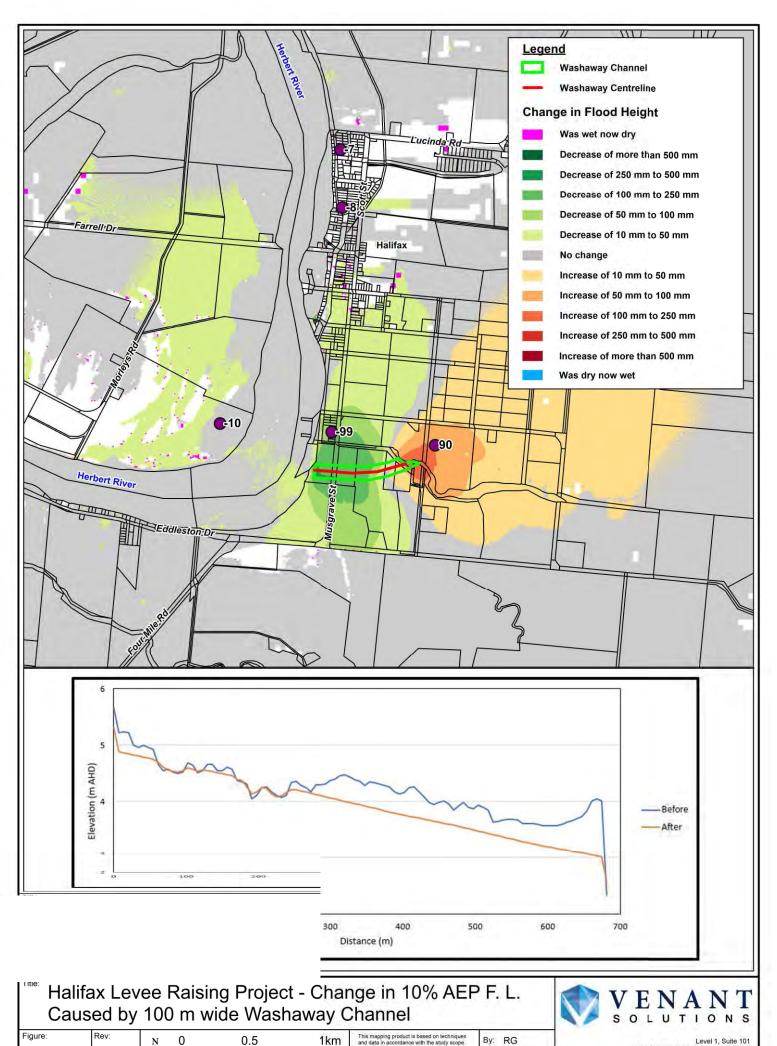
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Version: 1, Version Date: 19/05/2020



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Version: 1, Version Date: 19/05/2020



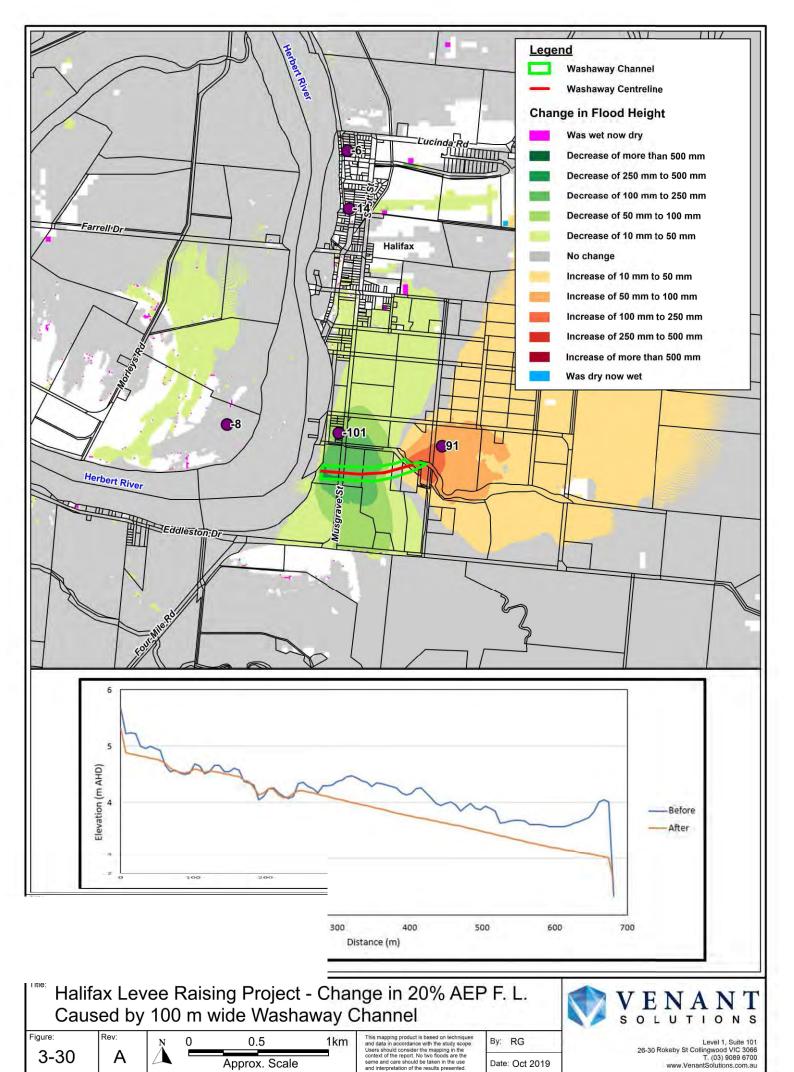
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Approx. Scale

Version: 1, Version Date: 19/05/2020

Α

3-29



Filepath: S:\Projects\M00241.MJ.HalifaxLevee\GIS\Drawings\Preliminary\Fig3-30_Dif_D05-E03_5y_hMax.WOR Document Set ID: 2340740

Summary 4-1

4 Summary

The HRIT is investigating an option to raise the main wall of the Halifax Levee in recognition of the changing flood regime in the Lower Herbert River which has seen a relative increase in flood level over the last few decades. The wall of the levee was originally designed to be above the 1 in 100 AEP event but recent flood events and modelling analysis has indicated that this is no longer the case. It is not proposed to raise the spillways which are at a lower level than the main wall.

Venant Solutions has completed an assessment of the proposed raising of the Halifax Levee wall using a calibrated 2D TUFLOW hydraulic model. The assessment considered the sand island reprofiling and vegetation removal work that the HRIT has undertaken in recent years at a number of locations from Cordelia downstream in order to reduce the impacts of flooding.

The combined effect of raising the Halifax levee and the sand island works results in widespread reductions in flood level, typically in the 10 mm to 100 mm range in the 1 in 100 AEP event. A similar pattern of reductions was observed in the more frequent (smaller) events, although the reductions are larger in the more frequent events. There are some localised small increases in flood level in the range

In addition to the analysis of the Halifax Levee wall raising the HRIT requested a number of other investigations be undertaken as follows:

- The impact on flood levels caused by a Private Levee;
- The benefits or otherwise of a new channel to take flows from the Washaway to the east.

The private levee between Skene St and Musgrave St was found to significantly increase flood levels over a wide area, including in Halifax. The floodway channel running east from the Washaway did not provide a significant benefit in reduction of flood levels.



Appendix A: References

WBM (2003), *Herbert River Flood Study*, Report prepared by WBM Oceanics Australia for the Herbert River Improvement Trust, Report Nos. R.B13309.002.01.Vol_1.doc and R.B13309.002.01.Vol_2.doc, June 2003

BMT (2013) *Herbert River Levee Modelling Study,* Report prepared by BMT WBM for the Herbert River Improvement Trust, Report No. R.M7779.001.02.Final.docx, February 2013

BMT (2015) *Herbert River Flood Mapping Update*, Report prepared by BMT WBM and Venant Solutions for the Hinchinbrook Shire Council, Report No. R.M20403.001.00, December 2015



CONFIRMATION NOTICE



Your Ref: Development Application Our Ref: OPW20\0002

7 April 2020

Leigh Carr **Trust Secretary** Herbert River Improvement Trust PO Box 366 INGHAM QLD 4850

herbertvalleyaccountingandtax@bigpond.com

Dear Leigh

Confirmation Notice - Operational Work - Modification of a Class 3 Levee Planning Act 2016

Receipt of your application on 13 March 2020 seeking a Development Permit for Operational Work to facilitate modification of the Halifax levee is acknowledged and its contents noted.

Please be advised that your submitted application has been reviewed by relevant staff and was considered to be a properly made application on 25 March 2020.

The enclosed Confirmation Notice has been prepared in accordance with the Development Assessment Rules under the Planning Act 2016 and contains information relevant to the processing and assessment of the application.

Should you require any further information or clarification concerning this matter, please contact Council's Built Environment Team Leader, Hayley Roy on 4776 4609 for the necessary assistance.

Yours singerely

Director of Corporate and Financial Services

Encl - Confirmation Notice









CONFIRMATION NOTICE

SECTION 63 OF PLANNING ACT 2016

APPLICATION DETAILS

Details of the development application are listed below:

105499 – 40 Musgrave Street, Halifax 104293 – 10-12 Stephenson Avenue, Halifax	
105244 – 10 Victoria Terrace, Halifax	
[
102940 - 25 - 27 Macrossan Street, Halifax	
100883 - 29 - 33 Macrossan Street, Halifax	
100883 - 29 - 33 Macrossan Street, Halifax	
100282 - 37 Macrossan Street, Halifax	
101554 - 3 Echidna Street, Halifax	
104797 - 39 Macrossan Street, Halifax	
102633 - 47 Macrossan Street, Halifax	
105752 - 7 Rupp Street, Halifax	
103763 - 6-8 Rupp Street, Halifax	
104348 - 59 Macrossan Street, Halifax	
102326 - 61 Macrossan Street, Halifax	
103821 - 1 Mona Road, Halifax	
105606 - 3 Mona Road, Halifax	
	100883 - 29 - 33 Macrossan Street, Halifax 100282 - 37 Macrossan Street, Halifax 101554 - 3 Echidna Street, Halifax 104797 - 39 Macrossan Street, Halifax 102633 - 47 Macrossan Street, Halifax 105752 - 7 Rupp Street, Halifax 103763 - 6-8 Rupp Street, Halifax 104348 - 59 Macrossan Street, Halifax 102326 - 61 Macrossan Street, Halifax

	102262 - 18 River Avenue, Halifax		
Applicant Details	Herbert River Improvement Trust PO Box 366, INGHAM QLD 4850		
Owner Details	Alexander Scott Buchanan – 40 Musgrave Street, Halifax Elaine Belinda and Leonard John Archer – 10-12 Stephenson Avenue, Halifax Catherine Isobel Abraham – 10 Victoria Terrace, Halifax H.A.I.H Co-Operative – 8 Victoria Terrace, Halifax Michael Charles Pawsey – 4 Victoria Terrace, Halifax Michael Charles Pawsey – 4 Victoria Terrace, Halifax Michael Charles Pawsey – 4 Victoria Terrace, Halifax James Frederick Stebbings – 13 River Avenue, Halifax HSC (As Trustee) – 17 Alma Street, Halifax Lan-Free Holdings Pty Ltd – 1 – 9 Macrossan Street, Halifax Cesare Reno Lancini – 11 – 13 Macrossan Street, Halifax HSC (As Trustee) – 15 Macrossan Street, Halifax Cesare Reno Lancini – 11 – 13 Macrossan Street, Halifax HSC (As Trustee) – 15 Macrossan Street, Halifax John George and Rayna Ann Edmonds – 25 – 27 Macrossan Street, Halifax John George and Rayna Ann Edmonds – 25 – 27 Macrossan Street, Halifax Stephen Salvatore Fantuz – 29 – 33 Macrossan Street, Halifax Stephen Salvatore Fantuz – 29 – 33 Macrossan Street, Halifax Marie Charlotte Bell and Shane Douglas Edgley – 3 Echidna Street, Halifax Marie Charlotte Bell and Shane Douglas Edgley – 3 Echidna Street, Halifax Brian John Rupp – 47 Macrossan Street, Halifax Brian John Rupp – 47 Macrossan Street, Halifax Leonardo and Antonina Carmela Zanghi – 6-8 Rupp Street, Halifax Leonardo and Antonina Carmela Zanghi – 6-8 Rupp Street, Halifax Leonardo and Antonina Carmela Zanghi – 61 Macrossan Street, Halifax Samuel Anthony and Michael Len Zanghi – 61 Macrossan Street, Halifax Natalie Michelle Cunningham – 3 Mona Road, Halifax Natalie Michelle Cunningham – 3 Mona Road, Halifax Leon Gordon Redman – 17 Mona Road, Halifax Leon Gordon Redman – 17 Mona Road, Halifax Leon Gordon Redman – 17 Mona Road, Halifax Neville David Jones – 35 Mona Road, Halifax Russell Neil Norris – 27 Mona Road, Halifax Neville David Jones – 35 Mona Road, Halifax Neville David Jones – 35 Mona Road, Halifax Neville David Jones – 39 Mona Road, Halifax Neville David Jones – 39 Mona Road, Halifax Neville David Jones – 3		
Property Description	Lot 2 on AP20187 Lot 1 on RP742977 – 40 Musgrave Street, Halifax Lot 1 on AP20187 Lot 1 on RP736452 – 10-12 Stephenson Avenue, Halifax		

	Lot 126 on AP15658			
	Lot 157 on AP3547			
	Lot 155 on AP3547			
	Lot 109 on USL39560			
	Lot 1 on RP709462 - 10 Victoria Terrace, Halifax			
	Lot 903 on H2848 – 8 Victoria Terrace, Halifax			
	Lot 2 on RP710098 - 6 Victoria Terrace, Halifax			
	Lot 1 on RP710098 - 4 Victoria Terrace, Halifax			
	Lot 901 on H2848 – 13 River Avenue, Halifax			
	Lot 1 on CP843301 - 17 Alma Street, Halifax			
	Lot 1 on RP739666 - 1 - 9 Macrossan Street, Halifax			
	Lot 15 on H2848 - 11 - 13 Macrossan Street, Halifax			
	Lot 4 on H2845 - 15 Macrossan Street, Halifax			
	Lot 3 on RP730769 - 17 - 23 Macrossan Street, Halifax			
	Lot 12 on H2848 - 25 - 27 Macrossan Street, Halifax			
	Lot 1 on RP717865 - 29 - 33 Macrossan Street, Halifax			
	Lot 2 on 717865 - 29 - 33 Macrossan Street, Halifax			
	Lot 70 on CWL3122 - 37 Macrossan Street, Halifax			
	Lot 1 on AP15939 - 3 Echidna Street, Halifax			
	Lot 8 on CWL1372 - 39 Macrossan Street, Halifax			
Lot 3 on RP707323 – 47 Macrossan Street, Halifax				
	Lot 1 on RP739033 - 7 Rupp Street, Halifax			
	Lot 1 on RP739396 - 6-8 Rupp Street, Halifax			
	Lot 2 on RP714082 - 59 Macrossan Street, Halifax			
	Lot 1 on RP703781 - 61 Macrossan Street, Halifax			
	Lot 272 on CP896003 – 1 Mona Road, Halifax			
	Lot 269 on CWL2656 – 3 Mona Road, Halifax			
	Lot 268 on CP898424 – 9 Mona Road, Halifax			
	Lot 267 on CP908277 – 13 Mona Road, Halifax			
	Lot 266 on SP105113 – 17 Mona Road, Halifax			
	Lot 255 on CWL3223 – 19 Mona Road, Halifax			
	Lot 264 on CWL3301 – 23 Mona Road, Halifax			
	Lot 263 on SP214755 – 25 Mona Road, Halifax Lot 262 on SP217211 – 27 Mona Road, Halifax			
Lot 261 on SP204143 - 29 Mona Road, Halifax Lot 260 on CWL2341 - 31 Mona Road, Halifax Lot 237 on CP864974 - 33 Mona Road, Halifax				
			Lot 236 on SP204142 – 35 Mona Road, Halifax Lot 259 on CWL3412 – 37 Mona Road, Halifax Lot 258 on CWL3410 – 39 Mona Road, Halifax	
	Lot 257 on CWL2535 – 41 Mona Road, Halifax			
	Lot 256 on CWL3038 – 45 Mona Road, Halifax			
	Lot 411 on CWL3447 – 15 River Avenue, Halifax			
	Lot 412 on CWL3447 – 17 River Avenue, Halifax			
	Lot 344 on CWL3434 – 18 River Avenue, Halifax			
Proposal	Operational Work – Modification of a Category 3 Levee			
Level of Assessment	Impact assessment			
	Hinchinbrook Shire Council Planning Scheme 2017; and			
Applicable	Code For Assessment of Development for Construction or Modification of			
Benchmarks	Particular Levees (Schedule 10 of Water Regulation 2016)			

SUPERSEDED PLANNING SCHEME Is the application for development under the Superseded Planning Scheme Yes No PUBLIC NOTIFICATION DETAILS Is Public Notification required? Yes No REFERRAL AGENCIES Is a Referral Agency required? Yes No

Based on the information accompanying the lodged application, referral is required to the following referral agencies:

Referral Agency and Address	Referral Trigger - Planning Regulation 2017
Department of State Development, Manufacturing, Infrastructure and Planning State Assessment and Referral Agency PO Box 5666 Townsville QLD 4810	 Schedule 10, Part 19, Division 4, Subdivision 3, Table 1 – Water related development – operational work for levees Schedule 10, Part 9, Division 4, Subdivision, Table 5 – Operational work on premises near a State transport corridor
Email: NQSARA@dsdmip.qld.gov.au	

This advice is provided for your information only. It is the Applicant's responsibility to identify any referral agencies for the application and give each referral agency a copy of the following:

- The application (including application forms and supporting material);
- The confirmation notice provided by the Assessment Manager; and
- Any applicable referral assessment fee.

The above material must be provided to all referral agencies within:

- Ten (10) business days after the Applicant receives the Confirmation Notice; or
- The further period agreed between the Assessment Manager and the Applicant.

In addition, the Applicant must within five (5) business days after the day the Applicant gives the application to each referral agency; give the Assessment Manager notice of the day the application was referred.

INFORMATION REQUEST

The applicant agrees to receive an Information Request if determined necessary for this development application.

□ Confirmed

Please Note: Regardless of this advice, any referral agency for the application may make an Information Request.

Should the Assessment Manager not make an Information Request within the timeframes specified in the Development Assessment Rules, the applicant can proceed to the next part of the development assessment process.

FURTHER INFORMATION

You are advised that the truth and accuracy of the information provided in the application forms and accompanying information is relied upon when assessing and deciding this application.

Should you require any further clarification or information concerning this matter, please contact Council's Built Environment Team Leader, Hayley Roy on 4776 4609, for the necessary assistance.

Explanatory Note

PLANNING ACT 2016 AND DEVELOPMENT ASSESSMENT RULES

INTRODUCTION

The purpose of this Explanatory Note is to provide guidance to applicants on the public notification requirements under Section 53 of the *Planning Act 2016* (the Act) and under the Development Assessment Rules (the Rules). The Act and the Rules, set out the requirements for the giving of public notice. These guidelines quote much of the material contained within the Act and the Rules.

If there is doubt about a particular public notification aspect, the applicant should refer to the Act and the Rules or have the public notice procedures undertaken by a consultant who is familiar with the public notice requirements.

Whilst every care has been taken in preparation of this explanatory note, ultimately it is the applicant's responsibility to ensure that the procedures are correctly followed. Council will not accept any responsibility for incorrect giving of public notice.

OVERVIEW OF PUBLIC NOTIFICATION PROCEDURES (PUBLIC NOTICE)

There are three distinct tasks to be undertaken when carrying out public notice:

- 1. Publishing a notice in a local newspaper;
- 2. Placing a notice or notices on the premises; and'
- 3. Giving notice to adjoining owners.

Prior to commencing public notification, the applicant must give notice to the assessment manager of the intended start date of public notification.

After the notification period has ended, the applicant must give the assessment manager notice of compliance with the public notice requirements.

One key aspect to note is that an application automatically lapses if public notification does not start within 20 business days of the completion of the relevant preceding part. Furthermore, the application also automatically lapses if applicant does not give the assessment manager the notice of intention to start public notification (17.2 of the Rules), and the notice of compliance with the public notice requirements within 10 business days from the day after the last day on which a submission may be made (18.1 of the Rules).

WHEN NOTIFICATION STARTS

The following is an extract from Part 4 of the Development Assessment Rules which outlines when public notification starts:

16. When this part starts

- 16.1 If there are no referral agencies for the application and part 3 does not apply because:
 - (a) the Applicant has advised that it does not wish to receive an Information request and it is not an application mentioned in section 11.3; or
 - (b) the Assessment Manager state in the confirmation notice that it does not intend to make an information request;



Public notification must start within 20 days of the day after the confirmation notice is given to the Applicant.

- 16.2 If -
 - (a) the Applicant has advised that it does not wish to receive an information request; and
 - (b) it is not an application mentioned in section 11.3; and
 - (c) there are referral agencies.

Public notification must start within 20 days after the day the last referral assessment period for ay referral agency has started.

- 16.3 If sections 16.1 and 16.2 do not apply public notification must start within 20 days the day after part 3 has ended.
- 16.4 For a changed application, where public notification is required to be undertaken again from its beginning, public notification must commence within 20 days -
 - (a) if both part 2 and part 4 are relevant to the application as a result of the changed application, the day after part 3 has ended;
 - (b) otherwise, the day after the day notice is given under section 26.2(a) or 26.2(c).

WHAT IS PUBLIC NOTICE

of

The following is extracted from Part 4 of the Development Assessment Rules:

17. Public notice requirements

- 17.1 The Applicant or the Assessment Manager acting under section 53(10) of the Act, must give public notice by -
 - (a) publishing a notice at least once in a newspaper circulating generally in the locality of the premises of the subject of the application; and
 - (b) placing notice on the premises the subject of the application that must remain on the premises for the period of time up to an including the stated day; and
 - (c) giving notice to the adjoining owners of all lots adjoining the premises the subject of the application.
- 17.2 The Applicant must give notice to the Assessment Manager of the intended start date of the public notification.
 - 17.3 Schedule 3 prescribes the way in which public notice must be given.
 - 17.4 All public notice requirements under section 17.1 and 17.2 must be undertaken within the period prescribed under section 16.

Notice of compliance

18.1 If the Applicant gives public notice, it must, within 10 days from the day after the last day on which a submission may be made, or a further period agreed between the Applicant and the Assessment Manager, give the Assessment Manager of compliance with the public notice requirements.

PUBLIC NOTIFICATION PERIOD

Section 53 of the Act states the required public notification period. The following is an extract from Section 53:

- 53(4) The notice must state that -
 - (a) a person may make a submission about the application to the Assessment Manager; and
 - (b) any submission must be made by a stated day that is at least -
 - (i) for an application that includes a variation request 30 business days after the notice is given; or
 - (ii) for an application of a type prescribed by regulation the period, of more than 15 business days after the notice is given, prescribed for the application; or
 - (iii) for any other application 15 business days after the notice is given.
- 53(5) However, if the development assessment rules require the notice to be given in more than 1 way, the period mentioned in subsection (4)(b) starts on the day after the day when the last notice is given.

Please ensure that all public notices that are published in the newspaper, placed on the land, and given to adjoining land owners clearly state that:

- (a) written submissions may be made electronically; and
- (b) electronic submissions are to be sent to council@hinchinbrook.qld.gov.au; and
- (c) all submissions, including individual submitter's particulars, will be published on council's website (www.hinchinbrook.qld.gov.au) and therefore will be accessible to internet search engines.

INFORMATION NOTICE



Your Ref: Information Notice Our Ref: MP:HJR OPW20/0002

23 April 2020

Leigh Carr **Trust Secretary** Herbert River Improvement Trust PO Box 366 INGHAM QLD 4850

herbertvalleyaccountingandtax@bigpond.com

Dear Leigh

Information Notice - Operational Work - Modification of a Class 3 Levee (Halifax Levee) Planning Act 2016

We refer to your development application deemed to be properly made on the 25 March 2020, seeking a Development Permit for Operational Work to facilitate modification of the Halifax levee is acknowledged and its contents noted.

Upon review of the abovementioned development application, further information is required for the Assessment Manager to undertake a satisfactory assessment. In accordance with Section 12 of Development Assessment Rules under the Planning Act 2016 the enclosed Information Request outlines the additional information that is requested from the Applicant.

Should you require any further information or clarification concerning this matter, please contact Council's Built Environment Team Leader, Hayley Roy on 4776 4609 for the necessary assistance.

Yours sincerely

Brett Exelby

Director of Corporate and Financial Services

Encl - Information Request









23 April 2020

INFORMATION REQUEST

SECTION 12 OF DEVELOPMENT ASSESSMENT RULES

APPLICATION DETAILS

Details of the development application are listed below:

Application Number	OPW20\0002		
Property ID Number	105977		
Applicant Details	105499 – 40 Musgrave Street, Halifax 104293 – 10-12 Stephenson Avenue, Halifax 105244 – 10 Victoria Terrace, Halifax 103248 – 8 Victoria Terrace, Halifax 101176 – 6 Victoria Terrace, Halifax 105103 – 4 Victoria Terrace, Halifax 105103 – 4 Victoria Terrace, Halifax 100412 – 13 River Avenue, Halifax 100426 – 17 Alma Street, Halifax 100224 – 1 – 9 Macrossan Street, Halifax 10029 – 15 Macrossan Street, Halifax 101029 – 15 Macrossan Street, Halifax 104948 – 17 – 23 Macrossan Street, Halifax 100404 – 17 – 23 Macrossan Street, Halifax 100883 – 29 – 33 Macrossan Street, Halifax 100883 – 29 – 33 Macrossan Street, Halifax 100883 – 29 – 33 Macrossan Street, Halifax 100863 – 3 Echidna Street, Halifax 104797 – 39 Macrossan Street, Halifax 104797 – 39 Macrossan Street, Halifax 105752 – 7 Rupp Street, Halifax 105752 – 7 Rupp Street, Halifax 103763 – 6-8 Rupp Street, Halifax 103763 – 6-8 Rupp Street, Halifax 103763 – 6 Macrossan Street, Halifax 103821 – 1 Mona Road, Halifax 103821 – 1 Mona Road, Halifax 103644 – 9 Mona Road, Halifax 1036454 – 17 Mona Road, Halifax 1036454 – 19 Mona Road, Halifax 103696 – 25 Mona Road, Halifax 103300 – 27 Mona Road, Halifax 103300 – 27 Mona Road, Halifax 105296 – 25 Mona Road, Halifax 105150 – 31 Mona Road, Halifax 105149 – 33 Mona Road, Halifax 105149 – 33 Mona Road, Halifax 105140 – 37 Mona Road, Halifax 105150 – 31 Mona Road, Halifax 105066 – 37 Mona Road, Halifax		

	104849 – 45 Mona Road, Halifax
	100370 – 15 River Avenue, Halifax
	104287 – 17 River Avenue, Halifax 102262 – 18 River Avenue, Halifax
	Alexander Scott Buchanan – 40 Musgrave Street, Halifax Elaine Belinda and Leonard John Archer – 10-12 Stephenson Avenue,
	Halifax
	Catherine Isobel Abraham – 10 Victoria Terrace, Halifax
	H.A.I.H Co-Operative – 8 Victoria Terrace, Halifax
	Cheryl Juanita Taylor - 6 Victoria Terrace, Halifax
	Michael Charles Pawsey - 4 Victoria Terrace, Halifax
	James Frederick Stebbings – 13 River Avenue, Halifax
- 1	HSC (As Trustee) – 17 Alma Street, Halifax
	Lan-Free Holdings Pty Ltd – 1 – 9 Macrossan Street, Halifax
	Cesare Reno Lancini - 11 - 13 Macrossan Street, Halifax
	HSC (As Trustee) – 15 Macrossan Street, Halifax
	Alan Leslie and Jennifer Maria Robino – 17 – 23 Macrossan Street,
	Halifax
	John George and Rayna Ann Edmonds – 25 – 27 Macrossan Street, Halifax
	Stephen Salvatore Fantuz – 29 – 33 Macrossan Street, Halifax
	Stephen Salvatore Fantuz – 29 – 33 Macrossan Street, Halifax
	HSC (As Trustee) – 37 Macrossan Street, Halifax
	Marie Charlotte Bell and Shane Douglas Edgley - 3 Echidna Street,
	Halifax
	John Joseph and Julie Ann Rupp – 39 Macrossan Street, Halifax
	Brian John Rupp - 47 Macrossan Street, Halifax
Owner Details	Kevin Patrick and Lucina Margaret Bunce – 7 Rupp Street, Halifax
Owner Details	Leonardo and Antonina Carmela Zanghi – 6-8 Rupp Street, Halifax
	Leonardo and Antonina Carmela Zanghi – 59 Macrossan Street,
	Halifax Samuel Anthony and Michael Lon Zonghi 61 Magragan Street
	Samuel Anthony and Michael Len Zanghi – 61 Macrossan Street, Halifax
	Kerry Charles Blue – 1 Mona Road, Halifax
	Natalie Michelle Cunningham – 3 Mona Road, Halifax
	Maurice John Gow and Lorna Baylon Beal – 9 Mona Road, Halifax
	James Marc Thompson - 13 Mona Road, Halifax
	Leon Gordon Redman – 17 Mona Road, Halifax
	Terence Wilton and Gwyneth Mary Bainbridge – 19 Mona Road,
	Halifax
	Jeffrey William Harper – 23 Mona Road, Halifax
	David Alan Clifford – 25 Mona Road, Halifax
	Russell Neil Norris – 27 Mona Road, Halifax
	Patrick John and Kerri Anne Barrett – 29 Mona Road, Halifax
	Robert Allan and Josephine Eva Barrett – 31 Mona Road, Halifax
	Michael Joseph Battle - 33 Mona Road, Halifax Neville David Jones - 35 Mona Road, Halifax
	Douglas William Bull and Adrianne Lesley Deeks – 37 Mona Road,
	Halifax
	David John Gode – 39 Mona Road, Halifax
	Michael Leslie Jansen and Toni Harding – 41 Mona Road, Halifax
	Susan Elizebeth Munro – 45 Mona Road, Halifax

	Rodney Keith and Jennifer Lynn Genrich – 15 River Avenue, Halifax Michael Joseph Battle – 17 River Avenue, Halifax
	Desmond Reginald Herd – 18 River Avenue, Halifax
Property Description	Michael Joseph Battle - 17 River Avenue, Halifax
	Lot 256 on CWL3038 – 45 Mona Road, Halifax Lot 411 on CWL3447 – 15 River Avenue, Halifax
	Lot 412 on CWL3447 – 17 River Avenue, Halifax Lot 344 on CWL3434 – 18 River Avenue, Halifax
Proposal	Operational Work – Modification of a Category 3 Levee

Level of Assessment	Impact assessment	
Applicable Benchmarks	Code For Assessment of Development for Construction or Modification of Particular Levees (Schedule 10 of Water Regulation 2016) Hinchinbrook Shire Council Planning Scheme 2017	

REQUESTED INFORMATION

Item 1 - Flood Impact Assessment & Ground Level Survey

The applicant makes reference to the Halifax Levee Upgrade Flood Impact Assessment completed by Venant Solutions and ground level surveys completed in the local area in 2019 within the development application.

It is requested the applicant provide a copy of the Halifax Levee Upgrade Flood Impact Assessment and any information relating to completed ground level surveys completed in the local area.

Reason

To ensure a full assessment can be undertaken against PO1 and AO1 of the code for assessment of development for construction or modification of particular levees and the relevant assessment benchmarks of the Hinchinbrook Shire Planning Scheme 2017.

END OF INFORMATION REQUEST PERIOD

Under the provisions of the Development Assessment Rules and *Planning Act 2016*, you have three (3) options available in response to this Information Request. You may give the Assessment Manager:

- (a) all of the information requested; or
- (b) part of the information requested; or
- (c) a notice stating that none of the information will be provided.

For any response given in accordance with option (b) or (c), you must also advise the Assessment Manager to proceed with its assessment of the development application.

Please be aware that under the Development Assessment Rules, the Applicant is to respond to any Information Request within three (3) months of the request. If you do not respond to the Information Request within this time period, or a further period agreed between the Applicant and Assessment Manager, it will be taken that you have decided not to provide a response. In the event of no response being received, assessment of the application without the information requested will continue.

Council prefers that all of the information requested be submitted as one package. If any additional matters arise as a result of the information submitted, or, as a result of public notification (where applicable), you will be advised accordingly. Should any Referral Agency make an Information Request, you are reminded of your obligation to provide Council with a copy of the information response provided to that Referral Agency.

FURTHER INFORMATION

You are advised that the truth and accuracy of the information provided in the application forms and accompanying information is relied upon when assessing and deciding this application.

Should you require any further clarification or information concerning this matter, please contact Council's Built Environment Team Leader, Hayley Roy on 4776 4609, for the necessary assistance.

Version: 1, Version Date: 24/04/2020

STATE DEVELOPMENT, MANUFACTURING, INFRASTRUCTURE AND PLANNING: ACTION NOTICE



Department of
State Development,
Manufacturing,
Infrastructure and Planning

Our reference: 2005-16709 SRA

Your reference: Modification of the Halifax Levee

18 May 2020

Herbert River Improvement Trust PO Box 366 INGHAM QLD 4850 herbertvalleyaccountingandtax@bigpond.com

Attention: Ms Leigh Carr

Dear Ms Carr

Action notice

(Given under section 8 of the Development Assessment Rules)

The Department of State Development, Manufacturing, Infrastructure and Planning (DSDMIP) received your referral agency material for the following premises on 8 May 2020.

Location details

Street address: 25-27 Macrossan Street, Halifax; 11-13 Macrossan Street, Halifax; 17

Alma Street, Halifax; 10 Victoria Terrace, Halifax; 4 Victoria Terrace, Halifax; 12 Stephensen Avenue, Halifax; 1-9 Macrossan Street, Halifax; 40 Musgrave Street, Halifax; 6 Victoria Terrace, Halifax; 17-21 Macrossan Street, Halifax; 15 Macrossan Street, Halifax; 13 River Avenue, Halifax; 8 Victoria Terrace, Halifax; 29-33 Macrossan Street, Halifax; 29-33 Macrossan Street, Halifax; 37 Macrossan Street, Halifax; 39 Macrossan Street, Halifax; 7 Rupp Street, Halifax; 6-8 Rupp Street, Halifax; 59 Macrossan Street, Halifax; 47 Macrossan Street, Halifax; 17 Mona Road, Halifax; 13 Mona Road, Halifax; 9 Mona Road, Halifax; 3 Mona Road, Halifax; 25 Mona Road, Halifax; 29 Mona Road, Halifax; 27 Mona Road, Halifax; 35 Mona Road, Halifax; 33 Mona Road, Halifax; 35 Mona Road, Halifax; 31 Mona Road, Halifax; 35 Mona Road, Halifax; 31 Mona Road, Halifax; 45 Mona Road, Halifax; 41 Mona Road, Halifax; 18 River Avenue, Halifax; 15 River Avenue, Halifax; 17 River Avenue, Halifax; 61 Macrossan

Street, Halifax

Real property description: 109USL39560; 126AP15658; 12H2848; 155AP3547; 157AP3547;

15H2848; 1AP20187; 1CP843301; 1RP709462; 1RP710098; 1RP736452; 1RP739666; 1RP742977; 2AP20187; 2RP710098; 3RP730769; 4H2845; 901H2848; 903H2848; 1AP15939; 1RP717865; 2RP717865; 70CWL3122; 8CWL1372; 1RP739033; 1RP739396; 2RP714082; 3RP707323; 266SP105113; 267CP908277;

Page 1 of 2

North and North West regional office Level 4, 445 Flinders Street, Townsville PO Box 5666, Townsville QLD 4810

Document Set ID: 2340653 Version: 1, Version Date: 18/05/2020

268CP898424;	269CWL2656;	272CP896003;	261SP204143;
262SP217211;	263SP214755;	264CWL3301;	265CWL3223;
236SP204142;	237CP864974;	258CWL3410;	259CWL3412;
260CWL2341;	256CWL3038;	257CWL2535;	344CWL3434;
411CWL3447; 412CWL3447; 1RP703781			

Local government area: Hinchinbrook Shire Council

Under the Planning Regulation 2017, the relevant referral requirements for the development application are as follows:

- 10.17.3.1.1 Tidal works or work in a coastal management district
- 10.19.4.3.1.1 Water-related development construction of new levees or modification of existing levees (category 2 or 3 levees only)
- 10.6.3.3.1.1 Fisheries marine plants
- 10.9.4.2.5.1 State transport corridors and future State transport corridors

The application does not meet the requirements for a properly referred application under section 54 of the *Planning Act 2016.* The reasons for this decision are:

- In accordance with section 5.1 of the Development Assessment Rules, a copy of the application was not given to DSDMIP within 10 days or a further period agreed between the applicant and Hinchinbrook Shire Council, starting the day after Hinchinbrook Shire Council gave the confirmation notice (7 April 2020).
- the correct fees have not been paid:
 - o The applicable fee for trigger 10.17.3.1.1 Tidal works or work in a coastal management district is \$3,313.00.
 - o The applicable fee for trigger 10.6.3.3.1.1 Fisheries marine plants is \$3,313.00.
 - o The total development application fee is \$16,564.00.
 - o You have advised the department that \$9,938.00 has been paid.

The application will not be accepted as properly referred until the following actions are taken:

- the total development application fee is paid to the department. Based on the information provided above, the department calculates that \$6,626.00 is currently outstanding.
- evidence of further period agreed between the applicant and Hinchinbrook Shire Council, to give a copy of the application to DSDMIP, is provided to the department.

The above actions must be completed within 20 business days of receiving this notice, or a further period agreed with the department, to avoid your application lapsing.

For further information please contact Mac Haque, Senior Planning Officer, on 47583414 or via email NQSARA@dsdmip.gld.gov.au who will be pleased to assist.

Yours sincerely

Graeme Kenna Manager (Planning)

grenna

cc Hinchinbrook Shire Council, council@hinchinbrook.qld.gov.au

Department of State Development, Manufacturing, Infrastructure and Planning

STATE DEVELOPMENT,
MANUFACTURING,
INFRASTRUCTURE AND
PLANNING: RESPONSE TO
REQUEST TO EXTEND THE
ACTION PERIOD



Queensland Treasury

Our reference: 2005-16709 SRA

Your reference: Modification of the Halifax Levee

16 June 2020

Herbert River Improvement Trust PO Box 366 INGHAM QLD 4850 herbertvalleyaccountingandtax@bigpond.com

Attention: Ms Leigh Carr

Dear Herbert River Improvement Trust

Response to request to extend the action period

(Related to section 8 of the Development Assessment Rules)

The State Assessment and Referral Agency received your request to extend the action period on 15 June 2020 for your development application described below.

Location details

Street address: 25-27 Macrossan Street, Halifax; 11-13 Macrossan Street, Halifax; 17

Alma Street, Halifax; 10 Victoria Terrace, Halifax; 4 Victoria Terrace, Halifax; 12 Stephensen Avenue, Halifax; 1-9 Macrossan Street, Halifax; 40 Musgrave Street, Halifax; 6 Victoria Terrace, Halifax; 17-21 Macrossan Street, Halifax; 15 Macrossan Street, Halifax; 13 River Avenue, Halifax; 8 Victoria Terrace, Halifax; 29-33 Macrossan Street, Halifax; 29-33 Macrossan Street, Halifax; 37 Macrossan Street, Halifax; 39 Macrossan Street, Halifax; 7 Rupp Street, Halifax; 6-8 Rupp Street, Halifax; 59 Macrossan Street, Halifax; 47 Macrossan Street, Halifax; 17 Mona Road, Halifax; 13 Mona Road, Halifax; 9 Mona Road, Halifax; 3 Mona Road, Halifax; 25 Mona Road, Halifax; 29 Mona Road, Halifax; 27 Mona Road, Halifax; 35 Mona Road, Halifax; 33 Mona Road, Halifax; 35 Mona Road, Halifax; 31 Mona Road, Halifax; 35 Mona Road, Halifax; 31 Mona Road, Halifax; 45 Mona Road, Halifax; 41 Mona Road, Halifax; 18 River Avenue, Halifax; 15 River Avenue, Halifax; 17 River Avenue, Halifax; 61 Macrossan

Street, Halifax

Real property description: 109USL39560; 126AP15658; 12H2848; 155AP3547; 157AP3547;

15H2848; 1AP20187; 1CP843301; 1RP709462; 1RP710098; 1RP736452; 1RP739666; 1RP742977; 2AP20187; 2RP710098; 3RP730769; 4H2845; 901H2848; 903H2848; 1AP15939; 1RP717865; 2RP717865; 70CWL3122; 8CWL1372; 1RP739033; 1RP739396;

North and North West regional office Level 4, 445 Flinders Street, Townsville PO Box 5666, Townsville QLD 4810 2RP714082; 3RP707323; 266SP105113; 267CP908277; 268CP898424; 269CWL2656; 272CP896003; 261SP204143; 262SP217211; 263SP214755; 264CWL3301; 265CWL3223; 236SP204142; 237CP864974; 258CWL3410; 259CWL3412; 260CWL2341; 256CWL3038; 257CWL2535; 344CWL3434;

411CWL3447; 412CWL3447; 1RP703781

Local government area: Hinchinbrook Shire Council

Application details

Development permit Operational Work - Modification of a Category 3 Levee

The department agrees to extend the action period until 29 June 2020.

For further information please contact Mac Haque, Senior Planning Officer, on 47583414 or via email NQSARA@dsdmip.qld.gov.au who will be pleased to assist.

Yours sincerely

Graeme Kenna

Manager (Planning)

gherma

cc Hinchinbrook Shire Council, council@hinchinbrook.qld.gov.au

QUEENSLAND TREASURY: REFERRAL CONFIRMATION NOTICE



Queensland Treasury

Our reference:

2005-16709 SRA

Your reference:

Modification of the Halifax Levee

8 July 2020

Herbert River Improvement Trust PO Box 366 INGHAM QLD 4850 herbertvalleyaccountingandtax@bigpond.com

Attention:

Ms Leigh Carr

Dear Ms Carr

Referral confirmation notice

(Given under section 8.2 of the Development Assessment Rules)

The development application described below is taken to be properly referred to the State Assessment and Referral Agency under Part 2: Referral of the Development Assessment Rules.

Location details

Street address:

25-27 Macrossan Street, Halifax; 11-13 Macrossan Street, Halifax; 17 Alma Street, Halifax; 10 Victoria Terrace, Halifax; 4 Victoria Terrace, Halifax; 12 Stephensen Avenue, Halifax; 1-9 Macrossan Street, Halifax; 40 Musgrave Street, Halifax; 6 Victoria Terrace, Halifax; 17-21 Macrossan Street, Halifax; 15 Macrossan Street, Halifax; 13 River Avenue, Halifax; 8 Victoria Terrace, Halifax; 29-33 Macrossan Street, Halifax; 29-33 Macrossan Street, Halifax; 37 Macrossan Street, Halifax; 39 Macrossan Street, Halifax; 7 Rupp Street, Halifax; 6-8 Rupp Street, Halifax; 59 Macrossan Street, Halifax; 47 Macrossan Street, Halifax; 17 Mona Road, Halifax; 13 Mona Road, Halifax; 9 Mona Road, Halifax; 3 Mona Road, Halifax; 1 Mona Road, Halifax; 29 Mona Road, Halifax; 27 Mona Road, Halifax; 25 Mona Road, Halifax; 23 Mona Road, Halifax; 19 Mona Road, Halifax; 35 Mona Road, Halifax; 33 Mona Road, Halifax; 39 Mona Road, Halifax; 37 Mona Road, Halifax; 31 Mona Road, Halifax; 45 Mona Road, Halifax; 41 Mona Road, Halifax; 18 River Avenue, Halifax; 15 River Avenue, Halifax; 17 River Avenue, Halifax; 61 Macrossan Street, Halifax

Real property description:

109USL39560; 126AP15658; 12H2848; 155AP3547; 157AP3547; 15H2848: 1AP20187: 1CP843301; 1RP709462: 1RP710098: 1RP736452; 1RP739666; 1RP742977; 2AP20187; 2RP710098; 3RP730769; 4H2845; 901H2848; 903H2848; 1AP15939; 1RP717865; 2RP717865; 70CWL3122; 8CWL1372; 1RP739033; 1RP739396; 2RP714082: 3RP707323: 266SP105113: 267CP908277: 268CP898424; 269CWL2656; 272CP896003: 261SP204143; 262SP217211; 263SP214755; 264CWL3301; 265CWL3223;

> North and North West regional office Level 4, 445 Flinders Street, Townsville PO Box 5666, Townsville QLD 4810

236SP204142; 237CP864974; 258CWL3410; 259CWL3412; 260CWL2341; 256CWL3038; 257CWL2535; 344CWL3434;

411CWL3447; 412CWL3447; 1RP703781

Local government area: Hinchinbrook Shire Council

Application details

Development permit Operational Work - Modification of a Category 3 Levee

The referral confirmation period ended on 18 May 2020. The department's assessment will be under the following provisions of the Planning Regulation 2017:

• 10.19.4.3.1.1 Water-related development - construction of new levees or modification of existing levees (category 2 or 3 levees only)

• 10.9.4.2.5.1 State transport corridors and future State transport corridors

For further information please contact Mac Haque, Senior Planning Officer, on 47583414 or via email NQSARA@dsdmip.qld.gov.au who will be pleased to assist.

Yours sincerely

Anthony Walsh Manager Planning

cc Hinchinbrook Shire Council, council@hinchinbrook.qld.gov.au

QUEENSLAND TREASURY: NOTIFICATION OF REMOVAL OF ASSESSMENT JURISDICTION



Queensland Treasury

Our reference: 2005-16709 SRA

Your reference: Modification of the Halifax Levee

9 July 2020

Herbert River Improvement Trust PO Box 366 INGHAM QLD 4850 herbertvalleyaccountingandtax@bigpond.com

Attention: Ms Leigh Carr

Dear Ms Carr

Notification of removal of assessment jurisdiction

(Related to section 49 of the Planning Act 2016)

Your development application for the following premises was properly referred to the State Assessment and Referral Agency (SARA) on 1 July 2020.

Location details

Street address: 25-27 Macrossan Street, Halifax; 11-13 Macrossan Street, Halifax; 17

Alma Street, Halifax; 10 Victoria Terrace, Halifax; 4 Victoria Terrace, Halifax; 12 Stephensen Avenue, Halifax; 1-9 Macrossan Street, Halifax; 40 Musgrave Street, Halifax; 6 Victoria Terrace, Halifax; 17-21 Macrossan Street, Halifax; 15 Macrossan Street, Halifax; 13 River Avenue, Halifax; 8 Victoria Terrace, Halifax; 29-33 Macrossan Street, Halifax; 29-33 Macrossan Street, Halifax; 37 Macrossan Street, Halifax; 39 Macrossan Street, Halifax; 7 Rupp Street, Halifax; 6-8 Rupp Street, Halifax; 59 Macrossan Street, Halifax; 47 Macrossan Street, Halifax; 17 Mona Road, Halifax; 13 Mona Road, Halifax; 9 Mona Road, Halifax; 3 Mona Road, Halifax; 1 Mona Road, Halifax; 29 Mona Road, Halifax; 27 Mona Road, Halifax; 25 Mona Road, Halifax; 23 Mona Road, Halifax; 39 Mona Road, Halifax; 35 Mona Road, Halifax; 31 Mona Road, Halifax; 39 Mona Road, Halifax; 37 Mona Road, Halifax; 31 Mona Road, Halifax; 45 Mona Road, Halifax; 41 Mona Road, Halifax; 18 River Avenue, Halifax; 15 River Avenue, Halifax; 17 River Avenue, Halifax; 61 Macrossan

Street, Halifax

Real property description: 109USL39560; 126AP15658; 12H2848; 155AP3547; 157AP3547;

1AP20187; 1CP843301; 15H2848; 1RP709462; 1RP710098; 1RP739666; 1RP736452; 1RP742977; 2AP20187; 2RP710098; 3RP730769; 4H2845; 901H2848; 903H2848; 1AP15939; 1RP717865; 2RP717865; 70CWL3122; 8CWL1372; 1RP739033; 1RP739396; 2RP714082; 3RP707323; 266SP105113: 267CP908277;

> North and North West regional office Level 4, 445 Flinders Street, Townsville PO Box 5666, Townsville QLD 4810

268CP898424;	269CWL2656;	272CP896003;	261SP204143;
262SP217211;	263SP214755;	264CWL3301;	265CWL3223;
236SP204142;	237CP864974;	258CWL3410;	259CWL3412;
260CWL2341;	256CWL3038;	257CWL2535;	344CWL3434;
411CWL3447; 412CWL3447; 1RP703781			

Local government area: Hinchinbrook Shire Council

The department has commenced assessment of your development application and has formed the view that the following jurisdiction(s) do not apply:

- Schedule 10, Part 17, Division 3, Table 1, Item 1 Tidal works or work in a coastal management district under the Planning Regulation 2017
- Schedule 10, Part 6, Division 3, Subdivision 3, Table 1, Item 1 Operational work that is the removal, destruction or damage of a marine plant under the Planning Regulation 2017

The reason(s) for this view are:

- The development proposal does not involve a tidal work as it is not considered in, on or above land under tidal water and is not designed to control erosion if the shoreline fluctuates.
- While some location may contain marine plants, it has been suggested in the submitted Marine Plant Survey Report that all proposed operational works involved in raising the Halifax Levee can be completed by adhering to the conditions set out in in accordance with the relevant <u>accepted</u> <u>development requirements</u> (ADR) and "<u>Accepted development requirements for operational work</u> that is the removal, destruction or damage of marine plants".

For further information please contact Mac Haque, Senior Planning Officer, on 47583414 or via email NQSARA@dsdmip.qld.gov.au who will be pleased to assist.

Yours sincerely

Anthony Walsh Manager Planning

cc Hinchinbrook Shire Council, council@hinchinbrook.qld.gov.au



Your Ref: Development Application Our Ref: BE: AG OPW20\0002

9 July 2020

Leigh Carr Trust Secretary Herbert River Improvement Trust PO Box 366 INGHAM OLD 4850

herbertvalleyaccountingandtax@bigpond.com

Dear Leigh

Amended Confirmation Notice - Operational Work - Modification of a Class 3 Levee Planning Act 2016

Receipt of your application on 13 March 2020 seeking a Development Permit for Operational Work to facilitate modification of the Halifax levee is acknowledged and its contents noted.

Please be advised that your submitted application has been reviewed by relevant staff and was considered to be a properly made application on 25 March 2020.

The enclosed Amended Confirmation Notice has been prepared in accordance with the Development Assessment Rules under the Planning Act 2016 and contains information relevant to the processing and assessment of the application.

Should you require any further information or clarification concerning this matter, please contact Council's Built Environment Support Officer, Aimee Godfrey on 4776 4658 for the necessary assistance.

Yours sincerely

Brett Exelby

Director of Corporate and Financial Services

Encl - Amended Confirmation Notice











OPW20\0002 PLANNING ACT 2016

9 July 2020

Application Number	OPW20\0002	
Property ID Number	105499 - 40 Musgrave Street, Halifax 104293 - 10-12 Stephenson Avenue, Halifax 105244 - 10 Victoria Terrace, Halifax 103248 - 8 Victoria Terrace, Halifax 101176 - 6 Victoria Terrace, Halifax 105103 - 4 Victoria Terrace, Halifax 105424 - 13 River Avenue, Halifax 100426 - 17 Alma Street, Halifax 100426 - 17 Alma Street, Halifax 100029 - 15 Macrossan Street, Halifax 101029 - 15 Macrossan Street, Halifax 104948 - 17 - 23 Macrossan Street, Halifax 104948 - 17 - 23 Macrossan Street, Halifax 100883 - 29 - 33 Macrossan Street, Halifax 100883 - 29 - 33 Macrossan Street, Halifax 100282 - 37 Macrossan Street, Halifax 100540 - 25 - 25 Macrossan Street, Halifax 100540 - 25 - 27 Macrossan Street, Halifax 100540 - 25 - 27 Macrossan Street, Halifax 100540 - 3 Macrossan Street, Halifax 100554 - 3 Echidna Street, Halifax 104797 - 39 Macrossan Street, Halifax 104797 - 39 Macrossan Street, Halifax 104348 - 59 Macrossan Street, Halifax 104348 - 59 Macrossan Street, Halifax 105752 - 7 Rupp Street, Halifax 104348 - 59 Macrossan Street, Halifax 10544 - 1 Mona Road, Halifax 10538 - 1 Mona Road, Halifax 105454 - 17 Mona Road, Halifax 105454 - 17 Mona Road, Halifax 105454 - 19 Mona Road, Halifax 105454 - 17 Mona Road, Halifax 105454 - 17 Mona Road, Halifax 105454 - 3 Mona Road, Halifax 10546 - 3 Mona Road, Halifax 10547 - 3 Mona Road, Halifax 10548 - 3 Mona Road, Halifax 10548 - 3 Mona Road, Halifax 10549 - 3 Mona Road, Halifax 10548 - 3 Mona Ro	



Version: 1, Version Date: 13/07/2020

AMENDED CONFIRMATION NOTICE

OPW20\0002 PLANNING ACT 2016

Applicant Details
Applicant Details Owner Details



OPW20\0002 PLANNING ACT 2016

Lot 2 on AP20187 Lot 1 on RP742977 - 40 Musgrave Street, Halifax Lot 1 on AP20187 Lot 1 on RP736452 - 10-12 Stephenson Avenue, Halifax Lot 126 on AP15658 Lot 157 on AP3547 Lot 155 on AP3547 Lot 109 on USL39560 Lot 233 on USL39558 Lot 1 on RP709462 - 10 Victoria Terrace, Halifax Lot 903 on H2848 - 8 Victoria Terrace, Halifax Lot 2 on RP710098 - 6 Victoria Terrace, Halifax Lot 1 on RP710098 - 4 Victoria Terrace, Halifax Lot 901 on H2848 - 13 River Avenue, Halifax Lot 1 on CP843301 - 17 Alma Street, Halifax Lot 1 on RP739666 - 1 - 9 Macrossan Street. Halifax Lot 15 on H2848 - 11 - 13 Macrossan Street, Halifax Lot 4 on H2845 - 15 Macrossan Street, Halifax Lot 3 on RP730769 - 17 - 23 Macrossan Street, Halifax Lot 12 on H2848 - 25 - 27 Macrossan Street, Halifax Lot 1 on RP717865 - 29 - 33 Macrossan Street, Halifax Lot 2 on 717865 - 29 - 33 Macrossan Street, Halifax

Lot 70 on CWL3122 - 37 Macrossan Street, Halifax Lot 1 on AP15939 - 3 Echidna Street, Halifax

Property Description

Lot 8 on CWL1372 - 39 Macrossan Street, Halifax Lot 3 on RP707323 - 47 Macrossan Street, Halifax Lot 1 on RP739033 - 7 Rupp Street, Halifax Lot 1 on RP739396 - 6-8 Rupp Street, Halifax Lot 2 on RP714082 - 59 Macrossan Street, Halifax Lot 1 on RP703781 - 61 Macrossan Street, Halifax Lot 272 on CP896003 - 1 Mona Road, Halifax Lot 269 on CWL2656 - 3 Mona Road, Halifax Lot 268 on CP898424 - 9 Mona Road, Halifax Lot 267 on CP908277 - 13 Mona Road, Halifax Lot 266 on SP105113 - 17 Mona Road, Halifax Lot 255 on CWL3223 - 19 Mona Road, Halifax Lot 264 on CWL3301 - 23 Mona Road, Halifax Lot 263 on SP214755 - 25 Mona Road, Halifax Lot 262 on SP217211 - 27 Mona Road, Halifax Lot 261 on SP204143 - 29 Mona Road, Halifax Lot 260 on CWL2341 - 31 Mona Road, Halifax Lot 237 on CP864974 - 33 Mona Road, Halifax Lot 236 on SP204142 - 35 Mona Road, Halifax Lot 259 on CWL3412 - 37 Mona Road, Halifax Lot 258 on CWL3410 - 39 Mona Road, Halifax Lot 257 on CWL2535 - 41 Mona Road, Halifax Lot 256 on CWL3038 - 45 Mona Road, Halifax Lot 411 on CWL3447 - 15 River Avenue, Halifax Lot 412 on CWL3447 - 17 River Avenue, Halifax

Lot 344 on CWL3434 - 18 River Avenue, Halifax



OPW20\0002 PLANNING ACT 2016

Proposal	Operational Work - Modification of a Category 3 Levee
Level of Assessment	Impact assessment
Applicable Benchmarks	Hinchinbrook Shire Council Planning Scheme 2017; and Code For Assessment of Development for Construction or Modification of Particular Levees (Schedule 10 of Water Regulation 2016)

SUPERSEDED PLANNING SCHEME Is the application for development under the Superseded Planning Scheme Yes No PUBLIC NOTIFICATION DETAILS Is Public Notification required? Yes No REFERRAL AGENCIES Is a Referral Agency required? Yes No

Based on the information accompanying the lodged application, referral is required to the following referral agencies:

Referral Agency and Address	Referral Trigger - Planning Regulation 2017
Department of State Development, Manufacturing, Infrastructure and Planning State Assessment and Referral Agency PO Box 5666 Townsville QLD 4810 Email: NQSARA@dsdmip.qld.gov.au	 Schedule 10, Part 19, Division 4, Subdivision 3, Table 1 - Water related development - operational work for levees Schedule 10, Part 9, Division 4, Subdivision, Table 5 - Operational work on premises near a State transport corridor

This advice is provided for your information only. It is the Applicant's responsibility to identify any referral agencies for the application and give each referral agency a copy of the following:

- The application (including application forms and supporting material);
- The confirmation notice provided by the Assessment Manager; and
- Any applicable referral assessment fee.

The above material must be provided to all referral agencies within:

- Ten (10) business days after the Applicant receives the Confirmation Notice; or
- The further period agreed between the Assessment Manager and the Applicant.

In addition, the Applicant must within five (5) business days after the day the Applicant gives the application to each referral agency; give the Assessment Manager notice of the day the application was referred.





OPW20\0002 PLANNING ACT 2016

INFORMATION REQUEST

The applicant agrees to receive an Information Request if determined necessary for this development application.

□ Confirmed

Please Note: Regardless of this advice, any referral agency for the application may make an Information Request.

Should the Assessment Manager not make an Information Request within the timeframes specified in the Development Assessment Rules, the applicant can proceed to the next part of the development assessment process.

FURTHER INFORMATION

You are advised that the truth and accuracy of the information provided in the application forms and accompanying information is relied upon when assessing and deciding this application.

Should you require any further clarification or information concerning this matter, please contact Council's Built Environment Support Officer, Aimee Godfrey on 4776 4658, for the necessary assistance.



OPW20\0002 PLANNING ACT 2016

EXPLANATORY NOTE

PLANNING ACT 2016 AND DEVELOPMENT ASSESSMENT RULES

INTRODUCTION

The purpose of this Explanatory Note is to provide guidance to applicants on the public notification requirements under Section 53 of the *Planning Act 2016* (the Act) and under the Development Assessment Rules (the Rules). The Act and the Rules, set out the requirements for the giving of public notice. These guidelines quote much of the material contained within the Act and the Rules.

If there is doubt about a particular public notification aspect, the applicant should refer to the Act and the Rules or have the public notice procedures undertaken by a consultant who is familiar with the public notice requirements.

Whilst every care has been taken in preparation of this explanatory note, ultimately it is the applicant's responsibility to ensure that the procedures are correctly followed. Council will not accept any responsibility for incorrect giving of public notice.

OVERVIEW OF PUBLIC NOTIFICATION PROCEDURES (PUBLIC NOTICE)

There are three distinct tasks to be undertaken when carrying out public notice:

- 1. Publishing a notice in a local newspaper;
- 2. Placing a notice or notices on the premises; and'
- 3. Giving notice to adjoining owners.

Prior to commencing public notification, the applicant must give notice to the assessment manager of the intended start date of public notification.

After the notification period has ended, the applicant must give the assessment manager notice of compliance with the public notice requirements.

One key aspect to note is that an application automatically lapses if public notification does not start within 20 business days of the completion of the relevant preceding part. Furthermore, the application also automatically lapses if applicant does not give the assessment manager the notice of intention to start public notification (17.2 of the Rules), and the notice of compliance with the public notice requirements within 10 business days from the day after the last day on which a submission may be made (18.1 of the Rules).

WHEN NOTIFICATION STARTS

The following is an extract from Part 4 of the Development Assessment Rules which outlines when public notification starts:

16. When this part starts

- 16.1 If there are no referral agencies for the application and part 3 does not apply because:
 - (a) the Applicant has advised that it does not wish to receive an Information request and it is not an application mentioned in section 11.3; or

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OPW20\0002 PLANNING ACT 2016

(b) the Assessment Manager state in the confirmation notice that it does not intend to make an information request;

Public notification must start within 20 days of the day after the confirmation notice is given to the Applicant.

- 16.2 If -
 - (a) the Applicant has advised that it does not wish to receive an information request; and
 - (b) it is not an application mentioned in section 11.3; and
 - (c) there are referral agencies.

Public notification must start within 20 days after the day the last referral assessment period for ay referral agency has started.

- 16.3 If sections 16.1 and 16.2 do not apply public notification must start within 20 days the day after part 3 has ended.
 - 16.4 For a changed application, where public notification is required to be undertaken again from its beginning, public notification must commence within 20 days -
 - (a) if both part 2 and part 4 are relevant to the application as a result of the changed application, the day after part 3 has ended;
 - (b) otherwise, the day after the day notice is given under section 26.2(a) or 26.2(c).

WHAT IS PUBLIC NOTICE

of

The following is extracted from Part 4 of the Development Assessment Rules:

17. Public notice requirements

- 17.1 The Applicant or the Assessment Manager acting under section 53(10) of the Act, must give public notice by -
 - (a) publishing a notice at least once in a newspaper circulating generally in the locality of the premises of the subject of the application; and
 - (b) placing notice on the premises the subject of the application that must remain on the premises for the period of time up to an including the stated day; and
 - (c) giving notice to the adjoining owners of all lots adjoining the premises the subject of the application.
- 17.2 The Applicant must give notice to the Assessment Manager of the intended start date of the public notification.
 - 17.3 Schedule 3 prescribes the way in which public notice must be given.
 - 17.4 All public notice requirements under section 17.1 and 17.2 must be undertaken within the period prescribed under section 16.

18. Notice of compliance

18.1 If the Applicant gives public notice, it must, within 10 days from the day after the last day on which a submission may be made, or a further period agreed between the Applicant and the Assessment Manager, give the Assessment Manager of compliance with the public notice requirements.

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OPW20\0002 PLANNING ACT 2016

PUBLIC NOTIFICATION PERIOD

Section 53 of the Act states the required public notification period. The following is an extract from Section 53:

53(4) The notice must state that -

- (a) a person may make a submission about the application to the Assessment Manager; and
- (b) any submission must be made by a stated day that is at least -
 - (i) for an application that includes a variation request 30 business days after the notice is given; or
 - (ii) for an application of a type prescribed by regulation the period, of more than 15 business days after the notice is given, prescribed for the application; or
 - (iii) for any other application 15 business days after the notice is given.
- 53(5) However, if the development assessment rules require the notice to be given in more than 1 way, the period mentioned in subsection (4)(b) starts on the day after the day when the last notice is given.

Please ensure that all public notices that are published in the newspaper, placed on the land, and given to adjoining land owners clearly state that:

- (a) written submissions may be made electronically; and
- (b) electronic submissions are to be sent to council@hinchinbrook.qld.gov.au; and
- (c) all submissions, including individual submitter's particulars, will be published on council's website (www.hinchinbrook.qld.gov.au) and therefore will be accessible to internet search engines.

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From: Mac Haque

Sent: Wed, 8 Jul 2020 15:45:38 +1000

To: Hayley Roy

Cc: Aimee Godfrey;Temp Planning;Graeme Kenna

Subject: RE: 2005-16709 SRA - Modification of the Halifax Town Levee

Good afternoon Hayley

Apologies for not replying earlier. Thank you very much for the additional information.

Upon review of the Marine Plan Survey Report, it is acknowledged that some location along the levee may contain marine plants. However the report has suggested design alternatives that will avoid impacts to any marine plant vegetation. If all the design changes, as suggested within the report, are made to avoid marine plant disturbance when raising the levee, the works will not trigger referral for the removal, destruction or damage of marine plants.

I have also reviewed the construction drawings of the Levee which formed part of the GHD tender documentation when the levee was originally built. I believe a part of the levee is built on Lot 233 USL39558, which was not included in the confirmation notice issued by the Council. If Council can issue an amended confirmation notice to include this lot, that would be appreciated. This should not affect the DA assessment process.

I noticed that additional payment has been made. I will proceed with the application assessment process and the applicant will received refund for relevant referral fees in due course.

Kind regards



Queensland Government Mahmudul (Mac) Haque Senior Planning Officer Planning Group Queensland Treasury

P 07 4758 3414 Level 4, 445 Flinders Street Townsville QLD 4810 PO Box 5666, Townsville QLD 4810 www.dsdmip.qld.gov.au

From: Hayley Roy < Hroy@hinchinbrook.qld.gov.au>

Sent: Monday, 29 June 2020 5:25 PM

To: Mac Haque <Mac.Haque@dsdmip.qld.gov.au>

Cc: Aimee Godfrey <AGodfrey2@hinchinbrook.qld.gov.au>; Temp Planning

<TPlanning@hinchinbrook.qld.gov.au>

Subject: RE: 2005-16709 SRA - Modification of the Halifax Town Levee

Attention: Mahmudul (Mac) Haque Senior Planning Officer

RE: 2005-16709 SRA – Modification of the Halifax Town Levee
OPW20\0002 – Application for Operational Work (Modification of a Class 3 Levee)

Good Afternoon Mac,

Thank you for your email and subsequent extension of time until 13 July 2020, for the Applicant to address the State's Action Notice. Please see the below Dropbox link which contains the additional information raised within the Action Notice:

https://www.dropbox.com/sh/fmwso58kg243tzw/AADLbtXyMks4E8OvGfla6G6pa?dl=0

Within this file link, you will find the construction drawings of the Levee which formed part of the GHD tender documentation when the levee was originally built. This provides the necessary detail in relation to the location of the levee and sections where the levee is earth mount, rockwall or blockwork. Council does have drone footage taken on 12 June 2020 by Officers which shows the current extent of the built Levee, however the file size is too large for email or even placement in our Dropbox. I will attempt another way to get this footage to your Department if it is needed.

We have also included further information about the fill volumes of the proposed works and haulage details. HRIT Engineer, Tim Smith, also provided the following advice:

"...After close inspection, I have revised my overall estimate up a bit to 1,505m3 (or 0.79m3/m, up from my earlier figure of 0.7m3/m. The increase in the footprint doesn't exceed 1.0m anywhere. I attach a summary of my revised assessment.

The earthworks sections that require the fill are expected to take 8 weeks to complete. It will be a slow process particularly working through the residential properties. If I distribute the supply of the 1,505m3 of fill over 8 weeks, 44 days working 5.5 days /week, I get 34m3/day or 55 tonnes/day. Using body trucks, that is 5 trucks loads /day. In other words, there will be one truck carting clay fill from the quarry – nothing compared to the overall traffic movements through Halifax."

A Marine Plant Survey was conducted by Michael Nash (Marine Biologist) and a report of the findings is also enclosed within the linked file.

Finally, I have also included the HRIT's Halifax Levee Upgrade Flood Impact Assessment Report, undertaken by Dr Mark Jempson of Venant Solutions Pty Ltd.

I hope this additional information is suitable to consider the application properly made (once fees are paid in full). Should you require any further information or clarification concerning the content of this email, please do not hesitate to contact Council's Regulatory Services – Built Environment Team on 4776 4609 for the necessary assistance.

Kindest regards,

HAYLEY ROY

Built Environment Team Leader

P 07 4776 4609

F 07 4776 3233

Hinchinbrook Shire Council E hroy@hinchinbrook.gld.gov.au





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Please consider the environment before printing this email. HSC_2020_V1

From: Mac Haque < Mac. Haque@dsdmip.qld.gov.au>

Sent: Friday, 26 June 2020 9:42 AM

To: Leigh Carr < herbertvalleyaccountingandtax@bigpond.com>

Cc: Hayley Roy < Hroy@hinchinbrook.qld.gov.au >; Tim Smith < timsmithco@bigpond.com >

Subject: 2005-16709 SRA - Modification of the Halifax Town Levee

Importance: High

Good morning Leigh

The department has previously agreed to extend the action period until Monday 29 June 2020. However, SARA hasn't received additional referral fees and additional application documents yet. Can you please advise whether you would need an additional extension to the action period?

Kind regards



Mahmudul (Mac) Haque Senior Planning Officer Planning Group Queensland Treasury

P 07 4758 3414 Level 4, 445 Flinders Street Townsville QLD 4810 PO Box 5666, Townsville QLD 4810 www.dsdmip.qld.gov.au

From: Tim Smith <timsmithco@bigpond.com>

Sent: Monday, 15 June 2020 4:18 PM

To: NQSARA < NQSARA@dsdmip.gld.gov.au>

Cc: hroy@hinchinbrook.qld.gov.au; Leigh Carr < herbertvalleyaccountingandtax@bigpond.com>

Subject: Development Application - Modification of the Halifax Town Levee

Reference: 2005-16709 SRA

I refer to the outcome of the meeting between State Government representatives and Members of the Herbert Trust on the 1st June 2020 and advise that the Trust has engaged expert resources to provide

the considerable amount of additional information requested – marine plants, traffic, likely fill quantities, footprints, impact at the Bemerside Road.

The Trust needs more time to allow those resources to complete their tasks, at least another 2 weeks. Tim Smith, Engineer, Herbert River Improvement Trust

Sent from Mail for Windows 10

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SARA INFORMATION REQUEST



Queensland Treasury

SARA reference: 2005-16709 SRA

Applicant reference: Modification of the Halifax Levee

Council reference: OPW20\0002

17 July 2020

Herbert River Improvement Trust PO Box 366 INGHAM QLD 4850 herbertvalleyaccountingandtax@bigpond.com

Attention: Ms Leigh Carr

Dear Ms Carr

SARA information request – Operational Work - Modification of a Category 3 Levee at Halifax

(Given under section 12 of the Development Assessment Rules)

This notice has been issued because the State Assessment and Referral Agency (SARA) has identified that information necessary to assess your application against the relevant provisions of the State Development Assessment Provisions has not been provided.

Categ	Category 3 levees		
Item	Information requested		
1.	Issue: The submitted application material including the Halifax Levee Upgrade Flood Impact Assessment Report does not sufficiently identify the benefits and impacts to people and property under pre and post modified category 3 levee conditions across a range of flood event scenarios. As such, it is considered that the proposed development does not demonstrate compliance with PO1 of SDAP State Code 19		
	Action: Please provide a qualitative assessment of the benefits and impacts for the proposed levee option. The qualitative assessment can demonstrate the benefits and impacts of the proposed option by providing the following tables that show for each flood mitigation option and at a number of different flood events: • occupied buildings, community infrastructure or environmental asset that do not flood with or without the modified levee.		
	occupied buildings, community infrastructure or environmental asset that are saved from		

North and North West regional office Level 4, 445 Flinders Street, Townsville PO Box 5666, Townsville QLD 4810

Categ	Category 3 levees	
Item	Information requested	
	flooding by the modified levee. cocupied buildings, community infrastructure or environmental asset that now flood due to the modified levee. cocupied buildings, community infrastructure or environmental asset that flood with or without the modified levee.	
	Please refer to Guidelines for the construction or modification of category 2 and 3 levees, prepared by Department of Natural Resources, Mines and Energy and available at https://www.dnrme.qld.gov.au/ data/assets/pdf_file/0019/163423/guidelines-category-2-3-levees.pdf	
2.	Issue: The submitted application material does not include an emergency action plan to reflect changes as a result of the modified category 3 levee. As such, it is considered that the proposed development does not demonstrate compliance with PO2 of SDAP State Code 19.	
	Action: Please provide additional information to describe the relevant disaster management procedures that are in place to maintain or enhance the resilience of the community in the event of levee failure or overtopping. A copy of the section of Hinchinbrook Shire Council's Local Disaster Management Plan relevant to the Halifax Levee can be provided to meet the above performance outcome.	

How to respond

You have three months to respond to this request and the due date to SARA is 20 October 2020.

You may respond by providing either: (a) all of the information requested; (b) part of the information requested; or (c) a notice that none of the information will be provided. Further guidance on responding to an information request is provided in section 13 of the Development Assessment Rules (DA Rules).

It is recommended that you provide all the information requested above. If you decide not to provide all the information requested, your application will be assessed and decided based on the information provided to date.

You are requested to upload your response and complete the relevant tasks in MyDAS2.

As SARA is a referral agency for this application, a copy of this information request will be provided to the assessment manager in accordance with section 12.4 of the DA Rules.

If you require further information or have any questions about the above, please contact Mac Haque, Senior Planning Officer, on 47583414 or via email NQSARA@dsdmip.qld.gov.au who will be pleased to assist.

State Assessment and Referral Agency

Yours sincerely

Graeme Kenna Manager (Planning)

cc Hinchinbrook Shire Council, council@hinchinbrook.qld.gov.au

Development details		
Description:	Development permit Operational Work - Modification of a Category 3 Levee	
SARA role:	Referral agency	
SARA trigger:	Schedule 10, Part 9, Division 4, Subdivision 2, Table 5 (Planning Regulation 2017) Operational work on premises near a State transport corridor Schedule 10, Part 19, Division 4, Subdivision 3, Table 1 (Planning Regulation 2017) Operational work for modification of existing category 3 levee	
SARA reference:	2005-16709 SRA	
Assessment criteria:	State code 1: Development in a state-controlled road environment State code 19: Category 3 levees	

INFORMATION REQUEST RESPONSE

From: Temp Planning

Sent: Thu, 30 Jul 2020 11:04:48 +1000 **To:** Hayley Roy; Aimee Godfrey

Cc: George Milford

Subject: OPW20/0002 - Update on Information Request

Hi Hayley & Aimee,

I've spoken with Mac and Tim Smith this morning regarding the Information Request for HRIT Halifax Levee Modifications.

Response to Information Request

Tim Smith is aware of the Information Request and has contacted Venant Solutions to provide a response to Item 1, which really just relates to summarising the findings of the FIA in the State's preferred format. I will contact Mark Jempsen from Venant to see where this is at.

There is nothing specific to the emergency action plan or evacuations procedures for the Halifax Levee in the event it overtops, in response to Item 2. It does include generic information in relation to flooding and the preparedness, response and recovery actions that should be applied. This is relevant but I expect they probably want an evacuation plan specific to the levee in the event it overtops. My thoughts in relation to this response would be to:

- Provide a copy of the HSC emergency action guide and state that a specific emergency action plan can be prepared as a condition output, if required.
- Provide a high level plan that identifies emergency action routes.

We can provide a preliminary response to the state to confirm they are comfortable with the response strategy prior to formally responding.

Public Notification

Once we have received the referral agency response from the State, we will need to enter public notification pronto. I imagine it will be quicker for Council to assist in facilitating this process.

In preparation for public notification, Aimee am I able to have you investigate the following:

- Identify all of the adjoining land owners for the lots listed on the confirmation notice; and
- Identify all of the roads that have a frontage to the lots listed on the confirmation notice.

We are still probably a few weeks off from receiving the referral agency response, but it will be great to have this ready to go immediately once we have received it given the funding time constraints on HRIT.

Thanks and please feel free to give me a call to discuss.

MILFORD PLANNING

Planning Consultant - Hinchinbrook Shire Council
P 07 4776 4609 F 07 4776 3233 E tplanning@hinchinbrook.qld.gov.au hinchinbrook.qld.gov.au | facebook

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