

PROJECT: Vermont Erf 1486 Residential Development


RISK ASSESSMENT MATRIX for Section 21 (c) and (i) Water Use activities - Version 2.1.1

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Date of assessment: 23-May-25

Signature:



Risk to be scored for all relevant phases of the project (factoring in specified control measures). MUST BE COMPLETED BY SACNASP PROFESSIONAL MEMBER REGISTERED IN AN APPROPRIATE FIELD OF EXPERTISE.

Phase	Activity	Impact	Potentially affected watercourses			Overall Intensity (max = 10)	Spatial scale (max = 5)	Duration (max = 5)		Severity (max = 20)	Importance rating (max = 5)		Consequence (max = 100)		Likelihood (Probability) of impact		Significance (max = 100)	Risk Rating	Confidence level
			Name/s	PES	Overall Watercourse Importance														
CONSTRUCTION	<1> Preparation of site for the construction of the residential development i.e. clearing, preparation, and infill of foreign material (soil & concrete), within proximity of the UVBW; Construction of the residential dwellings within proximity of the UVBW; upgrade of the existing sewer pipeline.	<1a>Wetland Loss	UVBW	D	Moderate	8	1	5		14	3		42		100%		42	M	High
		<1a>Wetland Habitat disturbance	UVBW	D	Moderate	4	1	2		7	3		21		60%		12.6	L	High
		<1b>Alteration of flow	UVBW	D	Moderate	6	2	2		10	3		30		60%		18	L	High
		<1c>Water quality impairment	UVBW	D	Moderate	6	1	2		9	3		27		60%		16.2	L	High
OPERATIONAL	<2>Operation of the residential development and maintenance on the sewer pipeline.	<2a>Wetland Habitat disturbance	UVBW	D	Moderate	4	1	2		7	3		21		60%		12.6	L	High
		<2b>Alteration of flow	UVBW	D	Moderate	6	2	5		13	3		39		80%		31.2	M	High
		<2c>Water quality impairment	UVBW	D	Moderate	6	1	2		9	3		27		60%		16.2	L	High