

RAA Sinking Pit Cover Assessment



Road being assessed:

Portrush Road from Payneham Road to Glen Osmond Road

Direction and number of lanes tested: Northbound and Southbound, all lanes.

Date of assessment: 24-3-2023

Total sites assessed: 237

Total sites exceeding comfort benchmark: 75

RAA digitally inspected all covers that exceeded our calculated comfort benchmark using dashcam footage and removed false readings and pit covers that we did not believe to be SA water assets from the list.

Below is the list of 77 sites we believe to be under the care of SA Water. 75 of these recorded a high G-Force reading with visual defects causing driver discomfort or danger. A further two were unable to be measured but were identified to be a high risk for motorcyclists.

RAA does not guarantee that this test has identified all defective plates/castings on Portrush Road.

Location Description	Latitude	Longitude	Direction/Lane	Comment
BUS STOP #14	-34.9505	138.6432	NB LH	sunken patch
PETROL STATION DRIVEWAY	-34.9499	138.6432	NB LH	
ADJACENT DAN MURPHY'S	-34.9494	138.6431	NB LH	
ADJACENT DOMINO'S	-34.9489	138.6431	NB LH	
ADJACENT GLENUNGA MEDICAL CENTRE	-34.9486	138.6431	NB LH	
PEDESTRIAN CROSSING	-34.9476	138.643	NB LH	motorcycle hazard
OPPOSITE HAY RD	-34.9474	138.643	NB LH	
#491 PORTRUSH RD	-34.9467	138.6429	NB LH	
#491 PORTRUSH RD DRIVEWAY	-34.9466	138.6429	NB LH	
OPPOSITE MARINER ST	-34.9464	138.6429	NB LH	
S OF BURNSIDE VILLAGE DRIVEWAY	-34.9415	138.6426	NB LH	
BUS STOP #11	-34.9404	138.6425	NB LH	
GREENHILL RD INTERSECTION	-34.9393	138.6424	NB LH	
OPPOSITE STANNINGTON AVE	-34.9321	138.6418	NB LH	
KENSINGTON RD INTERSECTION	-34.9269	138.6414	NB LH	
#315 PORTRUSH RD	-34.9258	138.6413	NB LH	sunken patch
S OF NORA ST	-34.9087	138.64	NB LH	
OPPOSITE TAYLOR AVE	-34.8996	138.6394	NB LH	
S OF PAYNEHAM RD	-34.8968	138.6392	SB LH	
MARIAN RD INTERSECTION	-34.9018	138.6396	SB LH	sunken patch, 2 covers
BUS STOP #9	-34.9088	138.6402	SB LH	
OPPOSITE CLIFTON ST	-34.9099	138.6402	SB LH	
#176 PORTRUSH RD	-34.9105	138.6403	SB LH	
ALBERMARLE AVE INTERSECTION	-34.9123	138.6404	SB LH	

Location Description	Latitude	Longitude	Direction/Lane	Comment
MAGILL RD INTERSECTION	-34.9149	138.6406	SB LH	
#230 PORTRUSH RD	-34.9164	138.6407	SB LH	3 covers
N OF THORNBURY ST	-34.9167	138.6407	SB LH	
N OF MATHILDA ST	-34.9186	138.6409	SB LH	
S OF MATHILDA ST	-34.9189	138.6409	SB LH	sunken patch
N OF GLYDE ST	-34.9193	138.6409	SB LH	
S OF GLYDE ST	-34.9195	138.6409	SB LH	
#272 PORTRUSH RD	-34.9198	138.641	SB LH	
BUS STOP #145	-34.9201	138.641	SB LH	
HIGH ST INTERSECTION	-34.9217	138.6411	SB LH	sunken patch
LORETO COLLEGE DRIVEWAY	-34.9279	138.6416	SB LH	
TALBOT GR INTERSECTION	-34.9289	138.6417	SB LH	
N OF STAFFORD GR	-34.9307	138.6418	SB LH	
S OF STAFFORD GR	-34.9309	138.6419	SB LH	
N OF GREENHILL RD	-34.939	138.6425	SB LH	
GREENHILL RD INTERSECTION	-34.9392	138.6425	SB LH	
CATOR ST INTERSECTION	-34.9423	138.6428	SB LH	
N OF HIGHFIELD AVE	-34.9486	138.6432	SB LH	2 covers
BRAE RD INTERSECTION	-34.9529	138.6435	SB LH	
N OF CRAIGHILL RD	-34.9537	138.6436	SB LH	
#536 PORTRUSH RD	-34.9547	138.6437	SB LH	motorcycle hazard
GILLES RD INTERSECTION	-34.9576	138.6439	SB LH	
#564 PORTRUSH RD	-34.959	138.644	SB LH	sunken patch
#570 PORTRUSH RD	-34.9599	138.6441	SB LH	
GLEBE RD INTERSECTION	-34.9613	138.6442	SB LH	
N OF GLEBE RD	-34.9614	138.6442	SB LH	
OPPOSITE GLEBE RD	-34.9612	138.6441	NB RH	
OPPOSITE GLEN OSMOND FIRE STATION	-34.9608	138.6441	NB RH	
#641 PORTRUSH RD	-34.9605	138.644	NB RH	
OPPOSITE DAY RD	-34.9587	138.6439	NB RH	
MYRONA AVE INTERSECTION	-34.9569	138.6438	NB RH	
#597 PORTRUSH RD	-34.9557	138.6437	NB RH	
#591 PORTRUSH RD	-34.955	138.6436	NB RH	
OPPOSITE AUSTIN CR	-34.9502	138.6432	NB RH	
PETROL STATION DRIVEWAY	-34.9497	138.6432	NB RH	
GREENHILL RD INTERSECTION	-34.9392	138.6424	NB RH	2 covers
OPPOSITE STAFFORD GR	-34.9308	138.6418	NB RH	
KENSINGTON RD INTERSECTION	-34.9269	138.6415	NB RH	
#54 PORTRUSH RD	-34.9007	138.6396	SB RH	
MARIAN RD INTERSECTION	-34.9017	138.6396	SB RH	sunken patch
OPPOSITE HENRY ST	-34.9197	138.641	SB RH	
N OF THE PARADE	-34.9207	138.641	SB RH	
#344 PORTRUSH RD	-34.9331	138.642	SB RH	
#358 PORTRUSH RD	-34.9347	138.6421	SB RH	
STURDEE ST INTERSECTION	-34.9454	138.643	SB RH	2 covers

Location Description	Latitude	Longitude	Direction/Lane	Comment
#474 PORTRUSH RD	-34.9468	138.6431	SB RH	
#490 PORTRUSH RD	-34.9485	138.6432	SB RH	

RAA have calculated a benchmark comfort G-Force of 0.045G in our test vehicle (2015 Subaru Forester) based on averaging the G-Force of multiple runs over a singular pit cover approximately 50mm deep that was perceived to be uncomfortable when crossed. Covers that exceed this benchmark G-Force are subsequently reviewed with false readings and non-SA Water assets removed from the final list. RAA does not guarantee that this test has identified all defective castings on Portrush Road and recommends these results be reviewed and verified by SA Water prior to scheduling works.