

Appendix C: Reports commissioned by 'Save Our Hills'

Hall₁: R J Hall & Associates Ltd, "Report: Pinehaven Stream ARI 100 Hydrological Assessment – Various Development Scenarios", 05 November 2019

Hall₂: R J Hall & Associates Ltd, Addendum A: At-A-Site Evaluation of Appropriate CN Numbers', 2019-9-27'

Hall₃: R J Hall & Associates Ltd – Letter 29 June 2020 to SOH

Hall₄: R J Hall & Associates Ltd – Report 27 July 2020, amended 3 August 2020, Pinehaven Stream Flood 8 December 2019 at Chatsworth Road Gauge Site and Its Implications for Flood Frequency Estimates in the Catchment,

Hall₅: R J Hall & Associates Ltd – Memorandum: The relevance of increased runoff from potential new development on Pinehaven hills to the Pinehaven Stream Improvements project because of incorrect baseline (predevelopment) hydrology rendering hydraulic neutrality provisions of UHCC Plan Change 42 ineffective, 02 December 2020

Hall₆: 2020, Figures 1, 2 and 3: Pinehaven Stream rating curve and Flood Frequency Curve

Hall₇: R.J. Hall & Associates - Figure 2, Flood Frequency Curve (updated 02 Dec 2020)

Horrell, G.: 27-7-2020: Review of "Pinehaven Stream flood 8 December 2019 at Chatsworth Road gauge site and its implications for flood frequency estimates in the catchment" by R J Hall & Associates Ltd, 27 July 2020.

Horrell, G.: Letter re 23 July 2009 flood, Revised 31-7-2020, Updated 27-11-2020

Horrell, G.: Letter to SOH re 1976 flood in Pinehaven_FINAL, 10 August 2018

Horrell, G.: Email to SOH, Clarification re 1976 flood, 11 August 2018

Keane Associates Ltd, Memorandum to SOH (3 July 2020), Pinehaven rainfall assessment for 08 December 2019 storm

Macky, G. - Macky Fluvial Consulting Ltd, 14 November 2019: Review of report by R J Hall and Associates Ltd – 'Pinehaven Stream: ARI 100 Hydrological Assessment – Various Development Scenarios, November 2019, including Addendum A: At-A-Site Evaluation of Appropriate CN Numbers', 2019-9-27'

Ross, A.K.: Pinehaven Road Culvert Inspection

Ross, A. K.: "Report on Infiltration Tests carried out on the Pinehaven Stream Catchment During July 2019"

SOH: Eye-witness accounts of 20 Dec 1976 flood

SOH: Eye-witness accounts of 8 Dec 2019 flood

SOH: Pinehaven Stream catchment – Time of Concentration

SOH: Save Our Hills (Upper Hutt) Inc. – Pinehaven Storm on 08 December 2019_18 Dec 2019, updated 7 Aug 2020, amend 1, 25 Nov 2020