

## MAP 1, Q100, NOTES

	Take care that when these maps are converted into district plan (if ever) that flood extents are very accurate e.g. @ 126 [Pinehaven Road] house is shown as within flood extent, however is over 3m above top of stream banks ( don't think stream would reach this high!)
	114 [Pinehaven road] bank undercut
	122 Pinehaven road. Culvert too small stream jumps out onto Pinehaven Rd heads down to junction with Jocelyn Cres fills up hollow outside 39 Jocelyn and comes down drive. Also too much water between 39-37 Jocelyn comes out of grates & floods.
	113 Pinehaven Rd. water runs across W side of section . E channel of road inadequate gullies. Creek capc ok 76,81,89,98 & 2009.
	Council culverts empty onto private property affecting 94-74 Pinehaven Road. Culverts 39 Jocelyn Cres.
	19 Forest rd. Looking at increasing size of drain pipe which is currently 1m dia. Todd Gibbons Ph 9775839
	19 Forest Road. Flooded 2x in last 6 years – Floor levels breached 23 July. Insufficient culvert size. Flooded House
	11 Elmslie seems correct in line with 1976 flooding. Silt & debris deposited on 23rd July
	47 Elmslie Rd in natural choke point if large trees or branches block stormwater as happened in last downpour water up to top of stormwater pipes.
	Dec 1976. Large debris flow down Elmslie road stream upper catchment was stopped by culvert over stream at 99 Elmslie Rd. The debris came down as a pulse when a dam from logging debris burst from a side gully in the upper catchment, Logging debris needs better rules and enforcement in this catchment.
	33 Pinehaven rd. east side of section is permanently soft (underside of house is dry). Cut off ditch and stop bank at W end of reserve work ok but possibly flow into Birch Grove circle.
	11 & 12 Birch Grove – stream rises , floods and needs flood waters coming down the grove from pinehaven Road & Winchester Avenue.
	5 Birch Grove . Major flooding through garage and section as a result of the creek overtopping banks.
	35 Pinehaven Rd. Front & back section gets flooded. Council does not maintain the creek next door. drainage of section feeds into creek.
	10 Birch Grove. 3 Floods in 4 years. Nib wall on boundary between us and 10A has sunk about 10mm . water floods over nib wall under our house.
	P Zidich. 7 Birch Grove. Please look at the pipe backing onto our place and also run off pipes from 6 other properties into an open drain at the side of our section.
	1 Pinehaven Rd. Approx 300mm pipe through back of sections that runs into stream – sometimes blocks in heavy rain and overflows.
	Stormwater drain between 23 & 25 Pinehaven rd runs into stormwater drain out back boundary. 23 gets flooded on section and into garage from Wyndham road.
	Between 108-110 Pinehaven rd. The driveway 108A has continual water from the hillside behind. There is no drainage on the road to pick this water up. Therefore drains across footpath and road.
	5A Birch grove . Problem with SW coming off road down driveway they get flooding in driveway. 5282799.
	No23 Pinehaven rd has 12”” asbestos SW pipe running full length of property – county supplied the pipes, owner installed. Street sumps on pinehaven drain to manhole in berm then through the 12” pipe three property to open drain behind 5 or 5A birch grove. 971 6045.
	28 Blue Mountain Rd . July 2009 Water above knees in garden, Evacuated by fire brigade. Water to lip of door step, basement, conservatory, shed flooded.
	4 Sunbrae Drive. water from Sunbrae drive & Deller Grove flooding into property ( not actually flooding house) culvert over creek badly washed away, need for large culvert ?
	22 Blue Mountains Road. Concern bank will undermine and collapse. High side on outside but don't want it to lose any land (erosion effect) Richard and Lyn Baines. baines.family@clearnet.nz, 5283117
	5 Clinker Grove. Back flow on 23 July through drainage pipes. Section should be included in flood plan.
	Corner Whiteman's Road/ Dunn Street. Sumps tops block up v easily in medium/heavy rain
	56 Whiteman's (Culvert under section),15 Clinker house. No evidence of water entering house as seen from marks on piles under house. Houses on either side flooded. Very dependent on entrance to culvert being kept clear.
	4 Sunbrae Drive . Ponding from umbrae drive flows from road. Road drainage inadequate sumps road water ponds outside No4 Sunbrae Drive.
	1 tapestry Grove. I have a drain ( storm water?) on my property which prevents my backyard being flooded in heavy rain. Karyn Mills
	1 Deller grove 15 years, Have seen water pooled on road up to 400mm. House not threatened. water seems to back up from downstream rather than swamp upstream.
	34 Blue Mountain rd. July 2009. Approx 1metre deep water at deepest part. water surrounded entire house, but stopped approx 20cm below floor level. Front half of section, bottom of drive , carport and footbridge completely submerged, so couldn't access house.
	59 Blue Mountain road. Problem at rear with blocking dog fences which go down to stream bed and get blocked with debris at flood times.

### KEY

1	Information that will impact on the modelling work (calibration information or model refinement or extension)
2	Localised stormwater/maintenance issues (blocked sumps, seepage etc)
3	Upgrade/solutions (control of logging operations in the upper catchment etc)
Other	

**Category****MAP 2, Q100, NOTES**

Willow Park a constraint
1 Tapestry grove. Stream gets sometimes very full with heavy rain up to back fence. Been here 3.5 years approx
Concern with respect to retaining wall in church property
Can we put this plan in the library
Denuding the forest contribute to flooding
Flood water from Eccles Field comes out at 28 Blue Mountain rd
Dog fences across stream 61 Blue Mountain road contribute to flooding
Pipe water down to corner (No Suggestions) / Pinehaven
Flooding in 23 July
59 Blue Mountains road. Bank erosion where tree removed - needs groyne. (Jan Christianson)
Birch Grove floods 2-3 times a year (like the photo)
stormwater pipes make little difference in Birch grove
Flooding overtops wall at back of #10 running under house
Stream not cleared very often. Pipe under sized.
Water from Winchester contributes to the flooding in Birch Grove
2-300mm depth through property in 23 July. 3 Birch Grove
No 15 Pinehaven Road. Secondary creek problem with gravel and doesn't get away to main creek. Shaun 8311078
Runoff from stream scaring driveway and exposing pipes from stream shown in red (19A & 17) (road runoff) Properties now unbuildable.
Flood extent should extend more as shown in red (only rough)
23 July flood into basement. Large car racing tyre blocked culvert under bridge caused a dam to be formed 40cm of mud and slush
Control of logging key to protecting from blockage debris flow
Control logging slash thrown into gullies - hillside water channels to be kept clear, even minor ones
Have lived here over 60 years. The 1976 flood was the first experienced. Was it due to the felling of the trees on he hill at end of Pinehaven rd? Stream bed has risen.
Slip in 1976 flood went from face about here across road - tree went through garage at no51. Small creek runs through bush between 52 & 54A (see above)
54A Elmslie. 2004 flood slip came down against the back of house. Small Creek runs under NW corner of house.
1981 flood caused slip at rear of 123 Pinehaven road.
Dec 1976. Trees felled on the hill between Pinehaven + Elmslie Rds and left Caused slip affecting 143 Pinehaven Rd and another down the other side of the ridge with Elmslie Rd (41) Walkers House affecting the streams.
Stormwater wells up during heavy rain
More than ponds runs up Jocelyn and down through 39 Jocelyn and along 37 Jocelyn and down into back of 88 Pinehaven
water runs down pinehaven Road and ponds on the corner of Pinehaven And Jocelyn
124 ( at 122 in July 2009) Water spills onto road often , small bridge blocks up.
The road between 52 & 58 Jocelyn Cres is sinking and causing ponding
Road runoff into open channel causing problems in this area.
26Jocelyn crescent Ph 5288797. Open pipe leading into stream- looking to extend pipe al the way to stream Kent & Brenda Lawton
At turn around at top of Pinehaven road the main problem is the water running down the road and spilling over onto our driveway at 140 Pinehaven road. The berm is not high enough to divert the water down the road

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**MAP 2, Q100, WRITTEN ON MAPS**

-	Majority of drawing relates to above notes
	Flooding extent drawn on BM Rd for 23rd July event

Category MAP 3, Q100, NOTES  
37 Jocelyn Crescent. Our drain can't cope with volume of water that comes under Jocelyn Crescent @ 46/48  
A lot of flow and debris

MAP 3, Q100, WRITTEN ON MAPS

Wayne Harding 5 forest road 9778933 section got flooded out  
Under sized culvert  
water observed in Pinehaven reserve flowing trench alignment on July 23  
5 Jocelyn cresen tAccurate in Q100, Error in Q10. Just front year flooding (even in 1976)  
debris  
Potential flood/runoff risk  
Sometimes flows over if gutter blocked, did in 1976  
Problem culvert adjacent to 7 birch grove  
Flow over here when manor park golf course flooded  
Never any water in this pipe  
No flooding of this property in last 18 years  
debris at inlet to piped section of pinehaven stream  
Blocked sumps with recycling not picked up  
Who is responsible for the maintenance of waiteko reserve?  
The 100 year extent is not wide enough - the flooding hazards are worse than the maps show!  
My road isn't cleaned often enough - blocked sump x2  
BLOCKED SUMPS!

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Category MAP , Q10, NOTES

- residents board up Jocelyn Crescent creating downstream problems
- About 1m from 107 Pinehaven road stream bed in 23 July build up stream bed each flood. Just enters garage
- 5 Jocelyn Crescent . A lot of water run off after heavy rain onto our front section. Error with flood extents? Q10 extents worse than Q100

MAP 4, Q10, WRITTEN ON MAPS

- Top of Elmslie , trees cleared, lots of debris
- What happens with fallen trees?, who clears
- Private ownership of stream - what can I do in my property for erosion?
- Put these in library!
- Ownership - who is responsible for what? And where?

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