



Landowner Risk Calculator

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Element	Points	Weighting
A. NVFFA 101 compliance		
1. Firebreaks -		
a. Firebreaks around 100% of landholding - with neighbour agreements	0	
b. Firebreaks but no agreements	3	
c. Firebreaks not complete	5	
2. Resources to fight fires - trained labour		
a. Adequate	0	
b. Inadequate	5	
3. Resources to fight fires - equipment		
a. Adequate	0	
b. Inadequate	5	
4. Paid up member of Local FPA		
a. Yes	0	
b. No	5	
5. Communications with neighbours and FPA		
a. Has adequate communications plan	0	
b. Not present	5	
B. Means of Access to Property Dwellings		
1. Ingress and egress roads		
a. Two or more roads in/out	0	
b. One road in/out	5	See mitigation?
2. Access road width		
a. 2 full lanes	0	
b. 1 lane	5	
3. Access road condition – all well maintained		
a. Tar / concrete / full gravel	0	
b. 2 x 4 access – 2 track	3	
c. 4 x 4 access – off road track	5	
4. Fire Services Access		
a. > 8 ton fire truck access with turnaround	0	
b. Tractor trailer unit / small truck with turnaround	3	
c. LDV with turnaround	5	
5. Road Signs		
a. Present and reflectorized (clearly visible)	0	
b. Not present	5	
C. Vegetation (Fuel Models)		
1. Characteristics of dominant vegetation adjacent to and on property.		
a. Light - (1hr fuels – grasses)	0	
b. Medium (10hr fuels - shrubs, plantation understory)	3	
c. Heavy (100hr fuels - tall grass, mature fynbos, dense woody alien plant invaders)	5	
2. Defensible space around structures		
a. More than 30m clear of vegetation	0	
b. 10 – 30m of clear of vegetation	3	
c. Less than 10m clear of vegetation	5	weighting?
D. Dominant Topography within 100m of structure/s		
1. Flat	0	
2. Moderate Slope	3	
3. Steep Slope	5	
E. Additional Rating Factors (rate all that apply)		
1. Topographical features that adversely affect veldfire behaviour - i.e. hot, dry northern slope aspects, gullies, kloofs	0-3-5	
2. Sources of possible ignition that occur within the area assessed. Rate severity on a scale of 0, 3 or 5:		
- Frequent lightning	0-3-5	
- Railways	0-3-5	
- Public roads	0-3-5	
- Powerlines	0-3-5	
- Public facilities / amenities	0-3-5	
- Occupants within property	0-3-5	
- Thoroughfares / tracks / foot paths	0-3-5	
- Other (Honey hunters, Mines, charcoal kilns, sawmills, mechanical operations etc)	0-3-5	
3. Neighbour participation and compliance to the Act 101	0-3-5	
F. Dominant Roofing Assembly		
1. Noncombustible (Tin on steel)	0	
2. Semi combustible (tin / tile on wood)	3	
3. Combustible – (thatch)	5	weighting?
G. Building Construction Type		
1. Materials – primary structure		
a. Noncombustible (steel / brick and mortar)	0	
b. Semi combustible (wooden attachments)	3	
c. Combustible (wood)	5	
2. Other structures – lapas, decks, sheds, outbuildings, etc		
a. Noncombustible	0	
b. Semi combustible	3	
c. Combustible	5	

