

Community Risk Assessment



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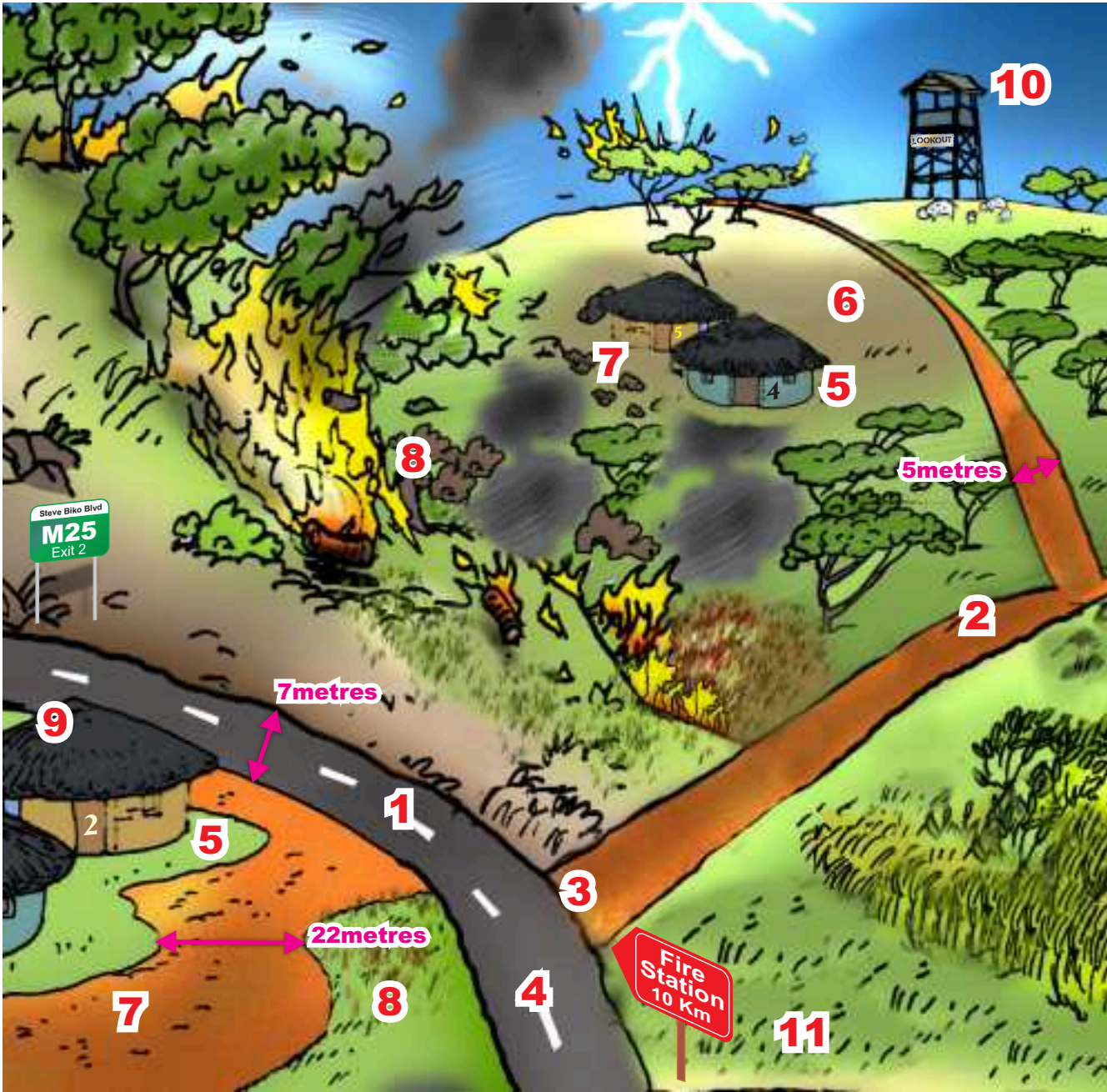
environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA



EXPANDED PUBLIC WORKS PROGRAMME

Workshop Activity: Community Wildfire Risk Assessment Form



Community Road Accessibility

1. Number of roads in and out of the community

a. Two or more roads	0	
b. One road in and out	5	

2. Average road quality in the community

a. Greater than 7 meters	0	
b. Less than 7 meters	3	
c. Less than 3 meters	5	

3. All Season road conditions

a. Tar road	0	
b. Gravel	3	
c. Other than all season road	5	

4. Accessibility by Fire Engines

a. Road access is wider than 92meters and able to turn around	0	
b. Road access is less than 92 meters and not able to turn around	5	

5. House and Road Signage

a. Clearly identified home numbers and street names	0	
b. Home numbers and street names unclear	5	

Fuel Types & Defensible Space

6. Vegetation close to homes

a. Scattered Vegetation – None, Lawn / Grass, Fireproof plants	0	
b. Medium spread vegetation – Combination of grass and short shrubs	5	
c. Dense or Fireprone vegetation – Invasive plants, Fynbos, Long grasses	7	

7. Defensible Space

a. More than 30 meters	0	
b. Between 22 and 30 meters	3	
c. Less than 10 meters from property	5	

8. Topographical features that could lead to the spread of wildfires (rate all that apply)

a. Slope aspect greater than 25%	0-5	
b. A history of high fire occurrence than other areas (heavy lightning, railway, arson, etc.)	0-5	
c. Periodically exposed to unusually severe fire weather and strong winds	0-5	
d. Adjacent land / structures that can contribute to the spread of wildfires	0-5	
e. Firebreaks in place and maintained	0-5	
f. Lookout	0-5	

Dominant Building Materials

9. Roof Type

a. Tile / Slate	0	
b. Corrugated Iron	3	
c. Asbestos	5	
d. Thatch	8	

Dominant Building Materials

a. Non-combustible materials (Brick / Slab / Clay)	0	
b. Combustible materials (Wooden structures)	5	

Available Fire Protection

10. Water Source

a. Pressurised water source	0	
b. Non-Pressurised water source	5	
c. Water unavailable	10	

11. Organised Fire Response

a. Fire Station less than 10km from structure	0	
b. Fire Station more than 10 km from structure	5	
c. Fire Station more than 25 km from structure	10	

Totals for Home or Community (total of all points)

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Hazard Assessment Total Points	Low <40	High 70-99
	Moderate 40-69	Extreme >100